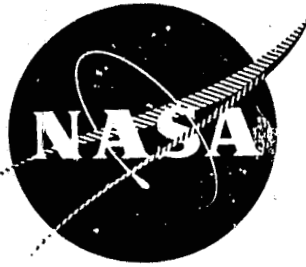


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NASA CR-135118

R77AEG229



**QUIET CLEAN SHORT-HAUL EXPERIMENTAL ENGINE
(QCSEE)**

**Acoustic Performance of a 50.8-cm (20-inch) Diameter
Variable-Pitch Fan and Inlet, Acoustic Data**

Volume II

by

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D.L. Stimpert

GENERAL ELECTRIC COMPANY

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Prepared For

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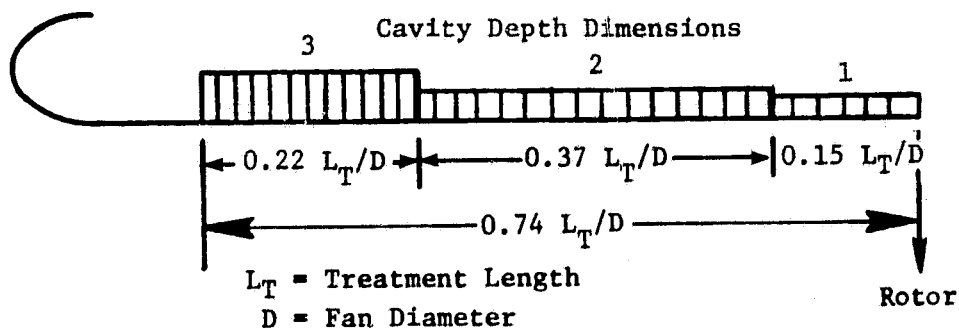
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DISCUSSION

This is the second of a two-volume final report presenting the results from acoustic tests on a 50.8 cm (20 inch) QCSEE Under-the-Wing (UTW) fan simulator. The tests were conducted at the General Electric Corporate Research and Development Center Anechoic Aero-Acoustic Facility. The details of test facility, test objectives, principal results, analysis and interpretation of data and conclusions therefrom are presented in Volume I of this report. This volume contains detailed tabulation of one-third octave band acoustic data. For each reading, model data on a 5.2 m (17 ft) and scaled data (scaled to full QCSEE fan size, 71:20) on a 152 m (500 ft) sideline are presented.

The design details of the accelerating inlet treatments are presented in Table I. Similar details are presented in Table II for the low Mach Inlet treatments. Table III contains a listing of all the runs. Table IV contains a description of symbols and abbreviations used in the one-third octave band acoustic data printout that follows.

Table IA. Accelerating Inlet Acoustic Treatment Designs.



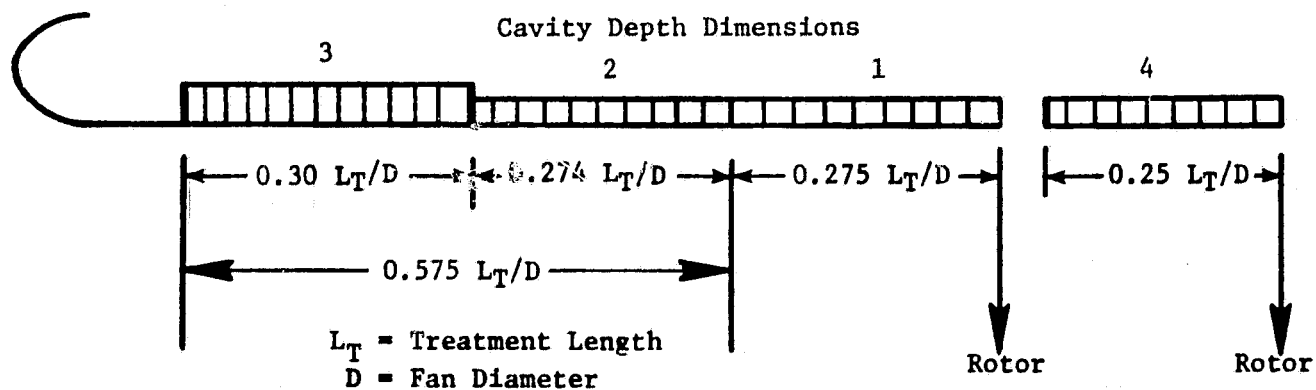
	Section	Cavity Depth		Porosity	Tuning Freq., Hz. Reverse Thrust	
		cm	in.		Full Scale	Scale Model
Treatment A	1	0.312	0.123	24	3150	11182
	2	0.57	0.225	24	2000	7100
	3	1.72	0.680	24	1000	3550
Treatment B	1	0.312	0.123	9.2	3150	11182
	2	0.57	0.225	9.2	2000	7100
	3	1.72	0.680	9.2	1000	3550
Treatment C	1	0.134	0.053	3.6	3150	11182
	2	0.325	0.128	3.6	2000	7100
	3	1.42	0.560	3.6	1000	3550
Treatment D	1	0.246	0.097	7.2	3150	11182
	2	0.744	0.293	14.4	2000	7100
	3	2.06	0.812	28	1000	3550

Table IB. Accelerating Inlet Acoustic Treatment Designs.

● Faceplate Definitions

Inlet	Hole Diameter		Porosity, %	Thickness	
	cm	in.		cm.	in.
A (All Sections)	0.06	0.024	24	0.081	0.032
B (All Sections)	0.11	0.045	9.2	0.0508	0.020
C (All Sections)	0.158	0.0625	3.6	0.0508	0.200
Inlet D					
1	0.083	0.033	7.2	0.0508	0.020
2	0.055	0.022	14.4	0.0508	0.020
3	0.114	0.045	28	0.0508	0.032

Table IIA. Low Mach Inlet Acoustic Treatment Designs.



	Section	Cavity Depth		Porosity	Tuning Freq., Hz.	
		cm	in.		Full Scale	Reverse Thrust Scale Model
Treatment A	2	0.381	0.15	10	2000	7100
	3	1.42	0.56	10	1000	3550
	4	0.147	0.058	10	3150	11182
Treatment B (Scottfelt)	1	1.27	0.50	28	Broadband Characteristics	
	2	1.27	0.50	28		
	3	1.27	0.50	28		
Treatment C	2	0.134	0.053	3.6	2800	9940
	3	0.393	0.155	3.6	1550	5500
	4	0.20	0.080	3.6	2253	8000

Table IIB. Low Mach Inlet Acoustic Treatment Designs.

• Faceplate Definitions

	Hole Diameter		Face Sheet Thickness		Porosity, %
	cm	in.	cm	in.	
Diffuser B	0.114	0.045	0.081	0.032	28
Diffuser A	0.158	0.0625	0.0508	0.020	10
Diffuser C	0.158	0.0625	0.0508	0.020	3.6

Table III. Tabulation of Acoustic Test Conditions.

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
2	Baseline Bellmouth	Forward 0°	6	7.7	70	
			7	7.7	78	
			8	7.7	90	
			9	7.7	95	
			10	7.7	98	
			11	7.7	102	
			12	7.7	105	
			13	7.4	102	
			14	7.4	95	
			15	7.4	90	
			16	7.4	78	
			17	7.9	78	
			18	7.9	90	
			19	7.9	95	
20	7.9	100				
21	7.9	102				
4	Accelerating Inlet, Hard Wall	Forward 0°	5	7.75	70	
			6	7.75	78	
			7	7.75	90	
			8	7.75	93.5	
			9	7.75	96	
			10	7.75	98.5	
			11	7.75	99.5	
			12	7.75	100.5	
			13	7.75	101.5	
			14	7.75	103	
			15	7.75	99	
			16	7.7	97.1	
			5	Accelerating Inlet, Treatment B	Forward 0°	
5	7.75	78				
6	7.75	90				
7	7.75	93.5				
8	7.75	96				
9	7.75	98.5				
10	7.75	99.5				
11	7.75	100.5				
12	7.75	101.5				
13	7.75	103				
14	7.75	99				
15	7.7	97.7				

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number			
12	Baseline Bellmouth	Forward +5°	4	7.40	83				
			5	7.78	90.5				
			6	7.65	91.5				
			7	7.5	92.5				
			8	7.9	95				
			9	7.65	95				
			10	7.4	95				
			11	7.78	98				
			12	7.4	98.5				
			13	7.78	105				
			14	7.4	105				
			15	7.4	110				
			16	7.78	110				
			17	7.9	100				
			18	7.5	100				
			19	7.9	80				
			20	7.78	80				
			13	Accelerating Inlet, Treatment B (Sound Separation Probe Run Only)	Forward +5°	4	7.78	90.5	1
						5	7.78	90.5	2
						6	7.78	90.5	3
7	7.78	90.5				4			
8	7.78	90.5				5			
9	7.4	110				1			
10	7.4	110				2			
11	7.4	110				3			
12	7.4	110				4			
13	7.4	110				5			
14	7.5	92.5				1			
15	7.5	92.5				2			
16	7.5	92.5				3			
17	7.5	92.5				4			
18	7.5	92.5				5			
19	7.78	98				1			
20	7.78	98				2			
21	7.78	98				3			
22	7.78	98				4			
23	7.78	98				5			

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
14	Accelerating Inlet, Treatment B	Forward +5°	4	7.4	83	
			5	7.78	90.5	
			6	7.65	91.5	
			7	7.5	92.5	
			8	7.9	95	
			9	7.65	95	
			10	7.4	95	
			11	7.78	98	
			12	7.4	98.5	
			13	7.78	105	
			14	7.4	105	
			15	7.4	110	
			16	7.4	110	
			17	7.78	110	
18	7.9	100				
19	7.5	100				
20	7.9	80				
21	7.78	80				
19	Accelerating Inlet, Treatment B, Flight Lip	Forward 0°	4	7.75	70	
			5	7.75	78	
			6	7.75	90	
			7	7.75	93.5	
			8	7.75	96	
			9	7.75	98.5	
			10	7.75	99	
			11	7.75	99.5	
			12	7.75	100.5	
			13	7.75	101.5	
14	7.75	103				
15	7.75	99				
16	7.75	78				
26	Accelerating Inlet, Treatment B	Reverse -100°	4	6.37	60	
			5	6.37	80	
			6	6.37	90	
			7	6.37	100	
			8	6.37	86	
			9	6.37	83	
10	6.37	75				

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
27	Accelerating Inlet, Hard Wall	Reverse -100°	1	6.37	60	
			2	6.37	80	
			3	6.37	90	
			4	6.37	100	
			5	6.37	86	
			6	6.37	83	
			7	6.37	75	
28	Accelerating Inlet, Treatment A	Reverse -100°	1	6.37	83	
			2	6.37	86	
			3	6.37	90	
			4	6.37	100	
			5	6.37	80	
			6	6.37	75	
			7	6.37	60	
29	Accelerating Inlet, Treatment C	Reverse -100°	4	6.37	83	
			5	6.37	86	
			6	6.37	90	
			7	6.37	100	
			8	6.37	80	
30	Accelerating Inlet, Treatment D	Reverse -100°	1	6.37	83	
			2	6.37	86	
			3	6.37	90	
			4	6.37	100	
			5	6.37	80	
			6	6.37	75	
			7	6.37	60	
31	Accelerating Inlet, Hard Wall	Reverse -95°	4	6.37	100	
			5	6.37	90	
			6	6.37	85	
			7	6.37	80	
			8	6.37	75	
			9	6.37	70	
			10	6.37	60	

Table VII. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
32	Accelerating Inlet, Treatment D	Reverse -95°	1	6.37	75	
			2	6.37	80	
			3	6.37	85	
			4	6.37	90	
			5	6.37	100	
			6	6.37	70	
			7	6.37	60	
33	Accelerating Inlet, Treatment D	Reverse -105°	1	6.37	60	
			2	6.37	70	
			3	6.37	75	
			4	6.37	80	
			5	6.37	85	
			6	6.37	90	
			7	6.37	100	
34	Accelerating Inlet, Hard Wall	Reverse -105°	4	6.37	60	
			5	6.37	70	
			6	6.37	75	
			7	6.37	80	
			8	6.37	85	
			9	6.37	90	
35	Accelerating Inlet, Treatment D	Forward 0°	1	7.75	70	
			2	7.75	78	
			3	7.75	90	
			4	7.75	93.5	
			5	7.75	96	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	100.5	
			9	7.75	101.5	
			10	7.75	103	
			11	7.75	99	
			12	7.7	97.1	
36	Baseline Bellmouth (Rerun)	Forward 0°	4	7.7	70	
			5	7.7	78	
			6	7.7	90	
			7	7.7	95	
			8	7.7	98	
			10	7.7	102	
11	7.7	105				

Table III. Tabulation of Acoustic Test Conditions. (Continued) ,

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
39	Low Mach Inlet, Treatment A	Forward 0°	4	7.75	60	
			5	7.75	70	
			6	7.75	80	
			7	7.75	90	
			8	7.75	95	
			9	7.75	98.5	
			10	7.75	99.5	
40	Low Mach Inlet B	Forward 0°	4	7.75	60	
			5	7.75	70	
			6	7.75	80	
			7	7.75	90	
			8	7.75	95	
			9	7.75	98.5	
			10	7.75	99.5	
41	Low Mach Inlet C	Forward 0°	1	7.75	60	
			2	7.75	70	
			3	7.75	80	
			4	7.75	90	
			5	7.75	95	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	103	
42	Low Mach Inlet Hard wall	Forward 0°	1	7.75	60	
			2	7.75	70	
			3	7.75	80	
			4	7.75	90	
			5	7.75	95	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	103	

Table III. Tabulation of Acoustic Test Conditions. (Concluded)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number			
43	Low Mach Inlet A	Reverse 100°	4	6.37	60				
			5	6.37	75				
			6	6.37	80				
			7	6.37	83				
			8	6.37	86				
			9	6.37	90				
			10	6.37	100				
			11	0.53	100				
			12	0.53	90				
			13	0.53	86				
			14	0.53	83				
			15	0.53	80				
			16	0.53	75				
			17	0.53	60				
44	Low Mach Inlet B	Reverse 100°	4	6.37	60				
			5	6.37	75				
			6	6.37	80				
			7	6.37	83				
			8*	6.37	83				
			9	6.37	86				
			10	6.37	90				
			11	6.37	100				
			*No acoustic data.						
			45	Low Mach Inlet C	Reverse -100°	1	6.37	60	
						2	6.37	75	
3	6.37	80							
4	6.37	83							
5	6.37	86							
6	6.37	90							
7	6.37	100							
46	Low Mach Inlet, Hard Wall	Reverse -100°	1	6.37	60				
			2	6.37	75				
			3	6.37	80				
			4	6.37	83				
			5	6.37	86				
			6	6.37	90				
			7	6.37	100				
			8	0.54	100				
			9	0.54	90				
			10	0.54	80				
			11	0.54	60				

Table IV. 1/3 Octave Band Printout Nomenclature.

<u>Symbol or Abbreviation</u>	<u>Definition</u>	<u>Units</u>
BAR	Barometric pressure	(N/m ²) in. Hg
CONFIG	Configuration	
DATE	Test Date	
HACT	Absolute humidity	g/m ³
LOC	Location of test	
NFA	Physical model fan speed	(rad/sec) rpm
NFD	Model design fan speed	(rad/sec) rpm
NFK	Corrected model fan speed	(rad/sec) rpm
OVERALL CALCULATED	Overall sound pressure level	dB
PNdB	Perceived noise level	PNdB
PWL	Sound power level re 10 ⁻¹³ watts	dB
RADIAL	Arc distance	(m) ft
RUN	Schenectady run number/reading number	
SIDELINE	Sideline distance	(m) ft
TAMB	Dry bulb temperature	(°K) ° F
TWET	Wet bulb temperature	(°K) ° F
VEHICLE	Test vehicle	

Run 2/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PMUC DATE - MONTH OF DAY 0 HR 0.5

MODEL SOUND PRESSURE LEVELS (dB, DEG, F, 70 PERCENT REL. HUM, DAY)

ANGLE FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PAL
	50	65.1	66.3	66.5	66.3	66.1	65.6	65.6	66.8	67.3	72.1	73.0						112.0
	63	70.0	69.0	70.3	72.3	73.8	72.3	70.0	69.0	72.0	72.5	73.3	70.0					109.2
RADIAL 17. FT.	80	62.1	63.1	66.9	63.1	63.1	67.1	71.0	73.4	73.1	73.1	75.9	70.0					106.3
(3. M)	100	59.9	70.1	67.8	69.7	65.1	66.1	68.4	70.4	71.1	71.1	74.9	70.0					104.3
VEHICLE	120	79.2	79.2	77.4	73.4	76.9	75.2	73.4	74.9	73.9	71.9	75.4	70.0					108.7
CHASSIS	160	73.1	77.1	76.4	77.1	78.1	76.0	74.9	74.4	72.6	70.6	74.9	70.0					105.4
LOC. SOUNDEXTADY	200	79.5	81.3	81.7	79.3	78.5	78.5	70.0	78.5	70.7	74.0	77.0	75.5					111.0
DATE 5-34-79	250	87.0	86.3	85.7	84.2	83.0	81.7	80.7	80.0	80.7	79.7	81.0	78.7					110.3
RUN 276	310	87.3	83.0	87.2	86.7	85.7	82.5	81.5	80.0	74.2	77.5	81.2	78.5					110.1
TEMP 400001	400	85.4	85.0	85.1	83.7	82.6	82.2	80.6	79.4	76.0	75.1	77.9	76.0					114.1
SPL 20.0	500	85.0	85.1	84.3	83.3	84.0	82.0	80.5	78.3	77.3	75.8	79.3	78.3					115.1
(20.0, 20.0)	630	89.4	89.9	89.4	88.7	88.0	86.0	83.4	82.2	79.7	76.7	75.5	78.7					115.0
TRM 50.0	800	91.8	91.5	91.7	89.8	89.3	87.6	86.0	83.0	81.0	78.5	80.8	79.5					119.4
(20.0, 20.0)	1000	88.2	88.9	89.2	89.1	88.2	85.8	83.7	82.1	79.4	77.0	80.0	78.7					114.0
TRM 100.0	1250	87.3	87.5	87.2	85.2	83.1	81.1	83.5	82.2	78.0	77.0	80.3	79.8					111.0
(20.0, 20.0)	1600	83.1	83.1	83.8	80.0	80.7	83.4	81.1	79.7	76.1	74.7	80.1	79.8					110.1
TRM 200.0	2000	86.9	88.4	88.2	86.9	85.6	80.0	84.4	81.1	78.0	70.5	80.7	79.2					117.0
(20.0, 20.0)	2500	95.4	93.1	92.4	92.1	95.0	90.0	90.8	92.0	89.2	85.0	88.9	83.4					121.4
NIA 2010.0	3150	84.4	84.4	85.9	85.9	85.6	85.0	83.6	83.0	78.4	74.0	80.2	78.5					110.1
(20.0, 20.0)	4100	86.5	87.5	87.1	87.9	85.1	87.5	87.3	83.9	79.7	77.0	80.4	78.9					118.0
NIA 2071.0	5000	92.1	94.3	94.3	95.4	95.3	95.3	94.8	93.0	86.1	82.5	86.4	82.4					120.0
(20.0, 20.0)	6300	90.3	90.0	95.4	95.9	95.1	93.0	91.9	89.0	83.3	80.6	83.1	82.2					120.0
NIA 1150.0	8000	84.3	84.3	84.4	87.5	87.5	87.0	84.7	81.4	80.2	82.5	84.7	83.0					121.0
(20.0, 20.0)	10000	91.9	93.1	95.9	97.8	98.9	97.4	96.5	93.1	87.1	83.4	85.4	83.5					121.0
NIA 1150.0	12000	90.1	91.4	92.5	94.5	95.7	95.5	95.1	91.0	86.0	81.5	83.6	81.1					120.0
FAN TIP SPEED	16000	87.3	89.1	91.3	91.3	92.8	92.6	91.1	88.8	81.0	76.5	82.3	79.5					121.0
7.0 FT/SEC	20000	86.4	87.6	89.5	91.7	92.2	93.5	93.5	84.5	79.7	73.6	79.6	70.0					122.0
	25000	85.0	86.3	83.9	91.5	90.1	89.4	87.5	84.1	76.2	70.8	76.9	78.9					121.0
	31000	84.0	86.0	87.4	87.0	88.6	85.1	85.0	81.7	74.3	70.1	73.5	77.5					120.0
	40000	82.1	85.0	87.1	85.0	86.1	84.9	83.1	81.2	73.0	70.5	73.5	74.4					120.0
OVERALL MEASURED		114.1	109.1	105.6	105.9	106.2	105.5	104.2	103.6	90.4	83.8	96.2	94.3					120.0
OVERALL CALCULATED		110.5	110.1	110.7	117.7	117.9	117.4	116.1	112.4	107.7	107.9	109.6	106.4					

ORIGINAL PAGE IS
OF POOR QUALITY

Run 2/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRUC, DATE - NOV 03 DAY 0 HR, 0.8

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	39.7	48.6	51.6	55.3	55.5	55.0	55.3	53.9	52.1	56.2	55.3						
	63	43.1	53.4	53.1	55.3	57.1	57.9	59.2	57.8	59.2	58.1	56.1						
SIDELINE 900. FT.	80	47.3	54.8	58.0	59.5	60.1	60.4	61.2	61.6	60.8	61.9	59.2						
(192.40 M)	100	49.4	55.8	60.1	62.0	60.6	60.9	63.2	59.0	58.4	61.0	58.7						
N/A 2250. RPM	125	45.3	53.2	56.6	58.6	60.0	59.8	59.4	57.2	55.8	58.4	56.9						
(236. RAD/SEC)	160	44.7	53.8	57.9	60.4	60.2	59.5	58.6	57.6	56.3	59.6	58.1						
N/A 2273. RPM	200	48.0	56.4	63.9	63.3	63.3	62.2	61.8	59.8	57.0	59.6	58.3						
(237. RAD/SEC)	250	43.7	57.1	61.5	64.2	64.6	64.5	63.1	60.6	58.6	60.7	58.9						
N/A 2244. RPM	315	45.2	55.0	63.3	62.8	62.5	61.9	61.2	59.1	56.8	59.6	58.1						
(340. RAD/SEC)	400	44.3	54.3	59.5	62.3	62.5	61.4	61.1	58.2	56.6	59.7	58.6						
AIRFLOW RATIO	500	42.7	52.6	57.2	60.4	62.2	62.1	59.7	57.2	55.9	59.9	58.5						
W/PM 12.60	630	51.2	63.0	67.1	71.5	73.8	74.2	70.4	69.1	68.1	67.8	61.8						
	800	35.1	43.7	53.1	58.5	60.4	60.6	58.9	55.1	52.8	58.8	57.5						
VEHICLE QIWSIM	1000	37.8	47.1	56.5	60.6	62.5	64.0	61.6	58.0	55.5	58.7	56.7						
CUMUL	1250	42.9	55.3	63.3	67.3	70.1	71.1	67.9	64.1	60.7	64.4	59.9						
LUC SCHEMECTADY	1600	41.9	55.2	63.0	66.4	67.9	67.8	65.7	60.9	58.4	60.7	59.1						
DATE 5-06-75	2000	43.2	54.9	63.8	68.4	70.5	70.0	68.0	63.4	59.9	62.1	60.1						
RUN 2/6	2500	34.5	52.7	63.1	68.9	70.4	71.5	69.2	64.0	60.5	62.3	60.0						
TAPE X00001	3150	28.7	47.7	58.5	64.8	67.8	69.4	67.1	62.3	58.0	59.5	56.7						
FAN TIP SPEED	4800	23.2	42.9	53.4	60.5	63.7	64.4	61.3	57.0	52.2	56.5	54.2						
7.0. FT/SEC	5800	19.5	40.3	53.0	59.3	61.5	62.6	59.7	55.0	49.1	54.9	53.0						
	6300	3.7	34.7	49.6	54.8	58.3	59.0	57.1	50.1	45.0	52.5	51.9						
	8000		25.5	40.7	49.7	54.0	54.7	52.9	46.2	42.3	48.8	48.3						
	10000		14.6	31.7	42.2	46.8	48.7	48.0	42.1	39.9	46.5	46.3						
OVERALL CALCULATED		53.0	63.1	73.8	77.8	79.6	80.1	77.6	74.6	72.5	74.3	71.6						
PND9		63.1	76.1	84.7	89.9	91.7	92.3	93.1	89.7	82.5	85.2	82.9						

Run 2/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PMOC DATE - NOV 15 DAY 8 HR. 0.8

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (59; DEG. F. 70 PERCENT REL. HUM. DAY)																PWL		
	ANGLES FROM INLET IN DEGREES (AND RADJANS)																		
	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.		0.	0.
	50	66.3	63.1	63.1	67.8	69.8	70.6	69.6	68.3	66.1	66.6	72.8	71.6						103.6
	63	71.3	71.3	71.3	73.3	74.5	73.5	71.8	69.8	73.0	72.5	75.3	76.3						108.7
RADIAL 17. FT.	80	83.3	83.6	83.4	83.1	84.1	87.4	71.6	73.6	73.1	73.6	77.4	76.9						107.2
(5. M)	100	71.1	71.1	71.1	67.4	66.4	66.6	66.9	71.1	71.6	71.9	75.6	74.1						109.5
VEHICLE UTWSM	125	79.4	77.7	77.7	73.4	76.9	75.4	73.9	74.9	73.9	72.7	75.7	75.7						109.0
CURTIS	160	78.6	77.6	77.5	77.9	78.9	77.1	75.6	75.1	74.1	71.6	75.4	75.1						109.6
LCC SCHENECTADY	200	80.5	82.3	81.2	79.3	79.5	79.2	78.2	79.3	78.9	75.0	77.2	76.2						112.0
DATE 5-05-79	250	87.3	87.3	85.7	84.7	83.7	81.7	81.7	81.5	81.0	80.0	81.5	79.2						115.0
RUN 2/7	315	88.5	88.8	87.7	87.2	86.5	84.0	82.2	81.0	79.2	78.2	80.2	78.5						115.6
TYPE X00001	400	86.4	85.9	85.6	85.2	84.1	83.2	81.6	81.6	78.4	76.4	78.6	77.1						115.2
BAR 29.6 MC	500	86.6	87.1	87.0	86.4	85.3	83.6	81.8	80.5	79.1	77.1	79.8	78.3						116.0
(Y9823, N/M2)	630	89.4	90.2	89.8	89.2	88.7	86.5	84.2	82.7	80.7	78.0	80.5	78.7						118.6
TANG 52. DEG F	800	90.5	91.0	91.2	90.8	90.3	88.3	86.5	84.8	81.5	79.3	80.8	78.8						123.0
(284, DEG K)	1000	87.9	89.2	90.4	90.5	89.7	87.3	85.2	83.3	81.2	78.2	81.5	78.7						117.3
TPOI 53, DEG F	1250	90.8	90.8	90.2	89.6	88.8	86.6	85.0	82.7	80.3	78.5	82.3	79.3						119.9
(283, DEG K)	1600	91.1	90.6	89.1	88.0	87.2	85.9	84.1	81.9	79.1	76.9	80.4	79.9						117.9
HACT 0, GM/M3	2000	85.2	87.7	86.9	85.9	85.1	83.8	82.4	80.1	78.5	74.5	79.0	75.0						115.3
(10743)	2500	99.4	100.4	101.4	100.8	97.5	99.2	97.0	94.5	90.9	86.7	89.4	85.2						127.6
NFA 9930, RPH	3150	90.2	91.7	92.1	92.4	89.8	90.5	89.1	86.8	82.7	80.5	82.4	80.2						121.2
(936, RAD/SEC)	4000	86.0	87.3	87.3	87.4	86.1	84.5	83.0	80.6	77.4	75.3	81.4	79.7						119.2
NFA 9995, RPH	5000	92.6	94.8	94.8	96.9	97.6	99.8	98.5	94.8	90.6	87.7	90.1	85.7						127.3
(940, RAD/SEC)	6300	92.5	93.5	93.5	93.9	93.6	93.4	92.2	89.3	84.3	80.9	83.6	81.7						124.1
NFA 11517, RPH	8000	94.3	96.3	96.9	98.1	96.5	97.3	96.2	93.2	87.7	84.5	86.2	84.9						124.2
(1206, RAD/SEC)	10000	93.6	95.1	96.5	97.3	98.4	97.9	96.5	94.1	89.4	84.4	85.4	84.5						121.4
NO. OF BLADES 18	12000	91.1	92.6	93.8	95.5	96.7	96.5	95.6	93.6	89.3	82.7	84.4	82.6						127.2
FAN TIP SPEED	16000	88.6	89.8	90.3	93.3	94.1	94.1	92.3	89.6	85.7	79.7	82.5	80.8						121.9
790, FT/SEC	20000	87.9	88.9	91.3	92.7	93.4	93.1	92.1	89.8	84.2	77.3	80.6	80.3						124.4
	25000	86.5	87.5	89.9	91.0	91.6	91.2	89.8	86.6	83.9	73.5	79.3	79.9						123.3
	31500	86.3	87.3	88.6	89.6	90.6	89.9	88.3	83.8	79.3	72.1	76.2	75.8						122.7
	40000	84.1	85.6	86.1	87.2	87.4	86.6	85.1	82.4	79.3	71.5	78.0	79.2						121.8
OVERALL MEASURED																			
OVERALL CALCULATED		104.3	106.8	106.7	106.8	106.8	106.9	105.6	102.7	98.4	95.5	97.3	95.2						137.7
PND8		118.6	119.6	120.1	119.8	118.1	118.9	117.7	114.7	111.0	109.2	110.8	107.6						

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OF POOR QUALITY

Run 2/Reading 7

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONIN 15 DAY 0 HR. 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DBG, F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.3)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.0)	0. (0.0)	0. (0.0)	0. (0.0)	0. (0.0)	
53	40.2	47.8	52.4	56.0	58.7	60.9	62.9	64.3	65.4	66.2	66.8	67.2	67.5	67.7	67.8	67.8	67.8	67.8
63	43.8	50.9	53.6	56.3	57.9	58.1	58.9	59.9	59.1	58.2	58.3	58.9	59.7	59.7	59.7	59.7	59.7	59.7
SIDELINE 500. FT. (192.40 M)	83	43.1	54.3	58.5	60.3	60.1	61.4	61.9	61.9	61.0	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7
NFA 2519, RPM	129	45.5	53.7	58.1	60.1	61.0	60.8	61.7	61.9	61.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
(263, RAD/SEC)	160	43.9	54.5	58.9	60.9	61.2	60.7	60.1	59.4	58.8	58.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
NFK 2534, RPM	200	48.2	56.9	61.4	64.0	63.6	62.9	62.3	61.8	61.3	60.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1
(265, RAD/SEC)	250	43.2	57.6	62.5	65.2	65.4	65.0	63.1	61.4	59.3	60.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1
NLD 3244, RPM	312	45.5	54.2	61.3	64.3	64.0	63.4	62.4	61.9	61.0	60.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5
(340, RAD/SEC)	430	46.0	55.3	63.4	63.0	63.0	62.9	61.6	59.7	58.1	59.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AIRFLOW RATIO	500	44.8	53.5	58.3	61.0	62.1	61.7	60.6	58.9	56.3	59.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5
WE/WM 12.60	630	41.6	50.8	55.7	58.6	59.7	59.7	58.4	56.0	54.0	57.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3
800	52.1	64.2	68.0	70.2	74.6	74.8	72.5	69.9	66.5	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
VEHICLE UTMSH 1000	41.9	54.1	58.7	62.3	65.5	65.7	64.5	61.0	57.3	53.3	63.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
CON 16 1250	33.8	43.3	55.3	60.0	63.1	64.3	63.0	59.4	57.2	55.4	59.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1
LUC SCHEMECTADY 1600	41.1	54.5	63.9	68.8	73.7	74.3	71.7	63.2	69.5	67.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
DATE 5-06-75 2000	37.4	52.3	60.0	64.2	66.8	67.4	65.2	61.4	58.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
RUN 2/7 2500	37.5	54.3	63.4	68.4	70.2	71.0	67.2	64.4	61.5	62.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
TAPE X00001 3150	33.2	51.5	61.1	67.3	70.0	70.6	69.4	64.4	60.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
FAN TIP SPEED 4000	23.4	45.7	57.3	64.1	67.3	68.6	67.9	63.2	58.1	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
700. FT/SEC 5000	17.2	42.4	53.9	63.7	64.4	65.4	63.8	60.9	54.8	57.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
6300	5.7	36.4	50.1	57.5	61.2	62.9	63.2	57.9	50.9	53.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
8000		27.1	44.0	51.7	46.2	57.8	56.5	51.9	44.8	50.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
10000		14.3	34.5	45.3	50.4	52.5	50.4	47.0	40.2	45.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
OVERALL CALCULATED		58.6	66.7	74.1	77.7	80.5	81.0	79.2	76.6	73.7	75.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
PN09		63.9	77.0	83.2	88.0	92.5	93.1	91.7	87.7	84.3	86.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7

Run 2/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (DB, DEG, F, 70 PERCENT REL. HUM. DAY)
 ANGLE FROM INLET IN DEGREES (AND RADIANS)

PMOC DATE - MONTH 23 DAY 0 HR. 0.0

SQL INPUT AT STD	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PHL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	67.3	65.6	67.8	66.1	69.8	70.6	70.1	63.3	67.8	67.3	72.3	71.1						173.4
	63	71.3	71.8	71.8	72.3	74.3	73.5	71.8	70.3	73.3	73.0	80.0	76.8						179.1
RADIAL 17. FT.	80	65.4	66.6	67.6	64.1	65.6	68.4	72.4	74.4	74.9	74.9	80.9	80.1						179.7
(5. M)	100	72.1	71.6	71.1	63.1	66.9	67.4	69.9	72.6	72.6	72.9	76.6	74.6						176.4
VEHICLE UTMSIM	125	80.4	80.4	79.9	76.9	78.2	76.7	74.7	75.9	75.2	73.2	76.7	76.4						110.0
CLAMP	160	79.6	78.4	77.9	78.4	79.4	77.9	76.1	76.1	75.4	73.1	77.4	76.4						113.5
LLC SCHEDULED	200	81.3	83.0	81.7	80.2	80.2	80.0	79.2	81.8	78.7	76.5	78.5	76.5						113.3
DATE 15-06-75	250	87.3	86.3	86.3	84.2	84.2	82.2	81.5	82.0	81.5	80.5	81.7	79.0						116.0
RUN 2/3	315	89.3	89.3	88.7	87.3	86.7	84.5	82.7	83.3	79.5	78.5	81.0	76.9						117.2
TAP:	400	87.9	87.6	86.9	86.2	85.6	84.2	83.1	82.1	80.1	78.4	80.1	76.1						116.0
SAR 49.6 M3	500	86.8	87.6	87.3	87.3	86.6	84.6	82.8	81.8	80.1	78.6	80.2	76.6						117.3
(49.20. M/M2)	630	85.2	87.2	89.2	89.2	88.2	86.5	83.9	82.9	80.7	77.7	80.2	77.9						113.3
TANK 50. DEG F	800	89.6	92.3	92.2	90.3	89.8	88.1	86.2	84.0	81.5	79.0	80.5	78.6						119.6
(234. 233 K)	1000	89.4	89.9	90.7	89.7	89.2	87.0	84.9	82.8	82.4	78.2	80.5	74.9						119.1
TRE 50. DEG F	1250	92.5	92.3	91.5	90.3	89.8	87.6	85.5	83.4	81.5	79.0	80.5	79.8						119.3
(231. 236 K)	1500	87.6	89.5	89.1	88.3	88.2	86.4	84.8	82.7	81.4	78.7	80.4	81.1						118.3
HACT 0. GM/M3	2000	86.2	87.9	88.7	87.1	86.3	87.8	87.1	83.6	80.5	77.3	80.7	79.5						119.7
(0. 0. M/M3)	2500	89.9	89.4	91.4	90.6	91.0	90.5	90.6	88.3	84.7	83.9	84.9	81.9						122.0
N/A 1 129. RPM	3150	94.2	100.4	101.1	101.6	102.8	103.8	102.6	101.1	96.9	95.5	94.2	92.2						113.0
(1177. RAD/SEC)	4000	87.5	89.3	89.3	89.9	90.1	90.5	91.0	89.4	85.2	82.5	83.4	81.2						121.3
N/A 1 364. RPM	5000	89.8	91.1	91.3	92.1	92.3	91.5	91.3	89.8	85.4	81.7	83.6	81.7						122.9
(1115. RAD/SEC)	6300	97.5	97.0	98.2	101.7	99.6	100.4	98.2	97.3	92.3	88.6	89.6	86.2						119.5
N/A 1 1217. RPM	8000	94.0	94.3	94.7	95.6	95.8	94.5	93.7	92.9	87.9	83.8	84.9	82.9						120.3
(1206. RAD/SEC)	10000	94.9	97.5	93.3	97.3	99.6	98.7	99.0	97.3	92.4	88.4	88.9	86.5						111.4
NO. OF BLADES 13	12500	93.1	93.9	94.8	96.2	98.2	98.0	96.8	94.6	90.5	85.5	85.6	83.9						123.5
FAN TIP SPEED	16000	90.1	93.5	92.9	94.5	95.1	95.4	94.3	91.3	86.3	82.2	84.0	81.8						126.1
875. FT/SEC	20000	89.4	90.1	91.8	93.7	94.9	94.3	93.6	91.0	87.7	80.8	82.6	81.5						120.9
	25000	88.3	88.8	90.9	92.8	93.3	92.7	91.3	89.6	85.2	77.8	80.6	81.1						125.0
	31200	88.1	88.6	89.1	91.1	92.3	91.9	90.3	89.2	83.8	76.4	79.2	80.9						124.6
	40700	85.6	86.6	89.1	88.7	89.4	88.4	87.6	83.9	82.0	73.7	78.5	79.9						123.5
OVERALL MEASURED																			
OVERALL CALCULATED		105.4	106.4	107.6	107.9	108.4	108.4	107.4	105.5	101.6	98.7	99.1	97.3						119.4
PHOB		118.7	120.2	121.7	121.0	121.6	121.8	120.7	113.7	119.9	113.9	113.3	111.7						

Run 2/Reading 8

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MON 23 DAY 0 HR; 0.8

SEL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DLO, F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	23.	30.	40.	51.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.)	(0.17)	(0.39)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.4)	(1.57)	(1.73)	(1.92)	(2.1)	(0.)	(0.)	(0.)	(0.)	(0.)
50	40.9	43.1	44.1	45.2	46.5	47.8	49.2	50.7	52.2	53.8	55.4	57.1	58.7	60.4	62.1	63.8	65.5	67.2
63	44.8	47.1	48.4	49.8	51.3	52.8	54.4	56.0	57.6	59.2	60.8	62.4	64.0	65.6	67.2	68.8	70.4	72.0
SIDELINE 590. FT, (192.40 M)	80	47.3	49.7	51.1	52.6	54.1	55.6	57.1	58.6	60.1	61.6	63.1	64.6	66.1	67.6	69.1	70.6	72.1
103	49.6	52.0	53.4	54.9	56.3	57.8	59.3	60.7	62.2	63.6	65.1	66.5	68.0	69.4	70.9	72.3	73.8	75.2
NEA 2899, RPM (333, RAD/SEC)	129	47.3	49.7	51.1	52.6	54.1	55.6	57.1	58.6	60.1	61.6	63.1	64.6	66.1	67.6	69.1	70.6	72.1
160	45.4	47.8	49.2	50.6	52.0	53.4	54.8	56.2	57.6	59.0	60.4	61.8	63.2	64.6	66.0	67.4	68.8	70.2
NEK 2919, RPM (306, RAD/SEC)	203	47.2	49.6	51.0	52.4	53.8	55.2	56.6	58.0	59.4	60.8	62.2	63.6	65.0	66.4	67.8	69.2	70.6
253	47.4	49.8	51.2	52.6	54.0	55.4	56.8	58.2	59.6	61.0	62.4	63.8	65.2	66.6	68.0	69.4	70.8	72.2
NEO 3244, RPM (340, RAD/SEC)	319	46.2	48.6	50.0	51.4	52.8	54.2	55.6	57.0	58.4	59.8	61.2	62.6	64.0	65.4	66.8	68.2	69.6
408	47.5	49.9	51.3	52.7	54.1	55.5	56.9	58.3	59.7	61.1	62.5	63.9	65.3	66.7	68.1	69.5	70.9	72.3
AIRFLOW RATIO WE/WH 12.69	503	43.9	46.3	47.7	49.1	50.5	51.9	53.3	54.7	56.1	57.5	58.9	60.3	61.7	63.1	64.5	65.9	67.3
803	43.0	45.4	46.8	48.2	49.6	51.0	52.4	53.8	55.2	56.6	58.0	59.4	60.8	62.2	63.6	65.0	66.4	67.8
VEHICLE UHSIN	1003	52.1	54.5	55.9	57.3	58.7	60.1	61.5	62.9	64.3	65.7	67.1	68.5	69.9	71.3	72.7	74.1	75.5
CONIC	1253	39.3	41.7	43.1	44.5	45.9	47.3	48.7	50.1	51.5	52.9	54.3	55.7	57.1	58.5	59.9	61.3	62.7
LCC SCHEMECTADY	1600	39.6	42.0	43.4	44.8	46.2	47.6	49.0	50.4	51.8	53.2	54.6	56.0	57.4	58.8	60.2	61.6	63.0
DATE 5-06-75	2800	43.7	46.1	47.5	48.9	50.3	51.7	53.1	54.5	55.9	57.3	58.7	60.1	61.5	62.9	64.3	65.7	67.1
RUN 2/8	2900	38.2	40.6	42.0	43.4	44.8	46.2	47.6	49.0	50.4	51.8	53.2	54.6	56.0	57.4	58.8	60.2	61.6
TAPE X00001	3150	39.3	41.7	43.1	44.5	45.9	47.3	48.7	50.1	51.5	52.9	54.3	55.7	57.1	58.5	59.9	61.3	62.7
FAN TIP SPEED	4000	31.2	33.6	35.0	36.4	37.8	39.2	40.6	42.0	43.4	44.8	46.2	47.6	49.0	50.4	51.8	53.2	54.6
8000	22.0	24.4	25.8	27.2	28.6	30.0	31.4	32.8	34.2	35.6	37.0	38.4	39.8	41.2	42.6	44.0	45.4	46.8
10000	19.0	21.4	22.8	24.2	25.6	27.0	28.4	29.8	31.2	32.6	34.0	35.4	36.8	38.2	39.6	41.0	42.4	43.8
OVERALL CALCULATED	6303	6.2	8.6	10.0	11.4	12.8	14.2	15.6	17.0	18.4	19.8	21.2	22.6	24.0	25.4	26.8	28.2	29.6
PNDS	8003	27.3	29.7	31.1	32.5	33.9	35.3	36.7	38.1	39.5	40.9	42.3	43.7	45.1	46.5	47.9	49.3	50.7
	10000	16.6	19.0	20.4	21.8	23.2	24.6	26.0	27.4	28.8	30.2	31.6	33.0	34.4	35.8	37.2	38.6	40.0
	PNDS	99.8	102.2	104.6	107.0	109.4	111.8	114.2	116.6	119.0	121.4	123.8	126.2	128.6	131.0	133.4	135.8	138.2
		64.2	66.6	69.0	71.4	73.8	76.2	78.6	81.0	83.4	85.8	88.2	90.6	93.0	95.4	97.8	100.2	102.6

Run 2/Reading 9

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MON 11 36 DAY 0 HR. 0.3

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADJANS)																
SPL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(HZ)	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	40.4	43.1	45.8	48.5	51.2	53.9	56.6	59.3	62.0	64.7	67.4	70.1	72.8	75.5	78.2	80.9	83.6
SIDELINE 500. FT.	80	44.1	46.8	49.5	52.2	54.9	57.6	60.3	63.0	65.7	68.4	71.1	73.8	76.5	79.2	81.9	84.6	87.3
(132.40 M)	100	47.8	50.5	53.2	55.9	58.6	61.3	64.0	66.7	69.4	72.1	74.8	77.5	80.2	82.9	85.6	88.3	91.0
N/A 3061. RPM	120	47.0	49.7	52.4	55.1	57.8	60.5	63.2	65.9	68.6	71.3	74.0	76.7	79.4	82.1	84.8	87.5	90.2
(320. RAD/SEC)	160	43.1	45.8	48.5	51.2	53.9	56.6	59.3	62.0	64.7	67.4	70.1	72.8	75.5	78.2	80.9	83.6	86.3
NPK 3093. RPM	200	46.0	48.7	51.4	54.1	56.8	59.5	62.2	64.9	67.6	70.3	73.0	75.7	78.4	81.1	83.8	86.5	89.2
(323. RAD/SEC)	250	43.4	46.1	48.8	51.5	54.2	56.9	59.6	62.3	65.0	67.7	70.4	73.1	75.8	78.5	81.2	83.9	86.6
N/D 3244. RPM	310	45.0	47.7	50.4	53.1	55.8	58.5	61.2	63.9	66.6	69.3	72.0	74.7	77.4	80.1	82.8	85.5	88.2
(340. RAD/SEC)	400	43.0	45.7	48.4	51.1	53.8	56.5	59.2	61.9	64.6	67.3	70.0	72.7	75.4	78.1	80.8	83.5	86.2
AIRFLOW RATIO	500	41.8	44.5	47.2	49.9	52.6	55.3	58.0	60.7	63.4	66.1	68.8	71.5	74.2	76.9	79.6	82.3	85.0
W/PM 12.00	630	38.3	41.0	43.7	46.4	49.1	51.8	54.5	57.2	59.9	62.6	65.3	68.0	70.7	73.4	76.1	78.8	81.5
	800	39.3	42.0	44.7	47.4	50.1	52.8	55.5	58.2	60.9	63.6	66.3	69.0	71.7	74.4	77.1	79.8	82.5
VEHICLE UTHSIM	1000	43.9	46.6	49.3	52.0	54.7	57.4	60.1	62.8	65.5	68.2	70.9	73.6	76.3	79.0	81.7	84.4	87.1
CUNTIQ	1250	37.5	40.2	42.9	45.6	48.3	51.0	53.7	56.4	59.1	61.8	64.5	67.2	69.9	72.6	75.3	78.0	80.7
LUC SCHEMECTADY	1600	35.6	38.3	41.0	43.7	46.4	49.1	51.8	54.5	57.2	59.9	62.6	65.3	68.0	70.7	73.4	76.1	78.8
DATE 15-06-75	2000	41.6	44.3	47.0	49.7	52.4	55.1	57.8	60.5	63.2	65.9	68.6	71.3	74.0	76.7	79.4	82.1	84.8
RUN 2/9	2500	33.4	36.1	38.8	41.5	44.2	46.9	49.6	52.3	55.0	57.7	60.4	63.1	65.8	68.5	71.2	73.9	76.6
YAPL X00001	3150	33.7	36.4	39.1	41.8	44.5	47.2	49.9	52.6	55.3	58.0	60.7	63.4	66.1	68.8	71.5	74.2	76.9
FAN TIP SPEED	4000	24.4	27.1	29.8	32.5	35.2	37.9	40.6	43.3	46.0	48.7	51.4	54.1	56.8	59.5	62.2	64.9	67.6
949. FT/SEC	5000	13.2	15.9	18.6	21.3	24.0	26.7	29.4	32.1	34.8	37.5	40.2	42.9	45.6	48.3	51.0	53.7	56.4
	6300	7.2	9.9	12.6	15.3	18.0	20.7	23.4	26.1	28.8	31.5	34.2	36.9	39.6	42.3	45.0	47.7	50.4
	8000		27.6	30.3	33.0	35.7	38.4	41.1	43.8	46.5	49.2	51.9	54.6	57.3	60.0	62.7	65.4	68.1
	10000		16.0	18.7	21.4	24.1	26.8	29.5	32.2	34.9	37.6	40.3	43.0	45.7	48.4	51.1	53.8	56.5
OVERALL CALCULATED		57.3	60.0	62.7	65.4	68.1	70.8	73.5	76.2	78.9	81.6	84.3	87.0	89.7	92.4	95.1	97.8	100.5
PNDB		62.3	65.0	67.7	70.4	73.1	75.8	78.5	81.2	83.9	86.6	89.3	92.0	94.7	97.4	100.1	102.8	105.5

Run 2/Reading 10

PART I FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (99, DEG, F, 70 PERCENT REL, HUM, DAY)														PROC. DATE - MONTH 42 DAY 0 HR, 0.8	
SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)														PHI	
	FREQ. (D.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	90.	
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(0.)	(0.)	
	50	66.8	69.1	63.1	67.3	68.6	68.8	68.3	67.1	66.8	66.8	66.8	71.6	73.6			102.4
	63	72.0	73.0	73.0	72.0	74.5	74.0	73.0	72.0	74.0	73.0	74.0	73.0	76.6			109.0
RADIAL 17. FT.	80	85.6	86.9	87.9	84.6	85.1	88.4	72.6	74.4	74.6	75.1	81.1	81.1	79.9			109.7
(5. M)	100	71.1	73.6	73.4	66.9	65.6	66.4	67.9	73.4	71.1	71.1	75.4	73.9				105.1
VEHICLE UTMSM	125	79.2	78.7	77.7	75.2	78.4	74.9	73.4	74.2	73.9	72.7	76.7	75.9				103.9
CONCIS	160	78.4	77.1	75.9	77.1	77.6	76.1	74.6	75.1	74.4	72.6	77.9	76.9				109.7
LUC SCHEMESTADY	200	72.5	82.0	51.7	80.3	79.5	79.2	79.2	79.1	77.7	74.7	77.5	75.0				112.1
DATE 15-05-75	250	84.8	84.5	83.5	82.2	81.2	79.7	76.0	79.5	79.0	78.0	76.7	77.1				113.6
RM 2/10	315	86.5	86.5	85.7	84.7	83.2	81.0	79.5	77.3	76.7	75.2	78.2	76.7				114.1
TYPE X00001	400	85.9	85.9	84.6	83.9	83.4	82.7	81.9	80.6	79.1	77.1	76.5	77.4				115.0
DAD 29.6 MG	500	84.6	85.8	87.0	86.8	86.3	85.3	82.3	83.3	78.8	76.8	80.3	78.4				116.0
(V9020, N/M2)	630	85.0	87.7	89.4	87.3	86.7	85.8	83.2	81.2	78.2	76.7	80.2	78.4				117.1
TAM 57. DEG F	800	86.0	87.3	87.7	88.0	88.3	86.6	84.7	82.3	80.8	78.3	81.6	78.8				118.0
(254. DEG K)	1000	85.9	86.7	88.4	87.7	86.7	85.0	82.9	81.6	78.9	77.0	80.2	77.9				117.1
TR 57. DEG F	1250	85.3	88.3	83.2	88.6	88.6	86.3	84.7	82.7	79.5	76.5	81.3	79.3				117.2
(237. DEG K)	1500	87.4	85.9	83.6	89.3	86.4	85.7	83.3	82.2	80.6	77.7	81.9	78.9				118.1
HACI 24/M3	2000	84.4	85.2	85.2	85.1	85.1	85.0	86.2	85.0	82.7	80.3	83.2	79.5				118.0
(7 AC/M3)	2500	88.6	88.1	87.4	86.8	88.8	89.2	87.8	85.3	81.7	79.2	82.1	79.7				119.3
N/A 11210. RPM	3150	102.4	102.2	102.4	102.1	105.1	106.5	106.3	104.8	101.4	95.8	99.2	94.7				125.3
(1174. RAD/SEC)	4000	92.0	91.3	92.0	92.1	94.3	95.3	95.8	93.4	89.4	86.0	88.4	83.7				125.1
N/A 11292. RPM	5000	87.8	83.6	83.3	87.4	93.0	93.5	89.8	88.1	84.6	81.7	82.4	80.4				121.3
(1147. RAD/SEC)	6300	94.3	95.0	96.7	97.9	97.6	97.7	98.9	98.0	94.3	88.6	89.4	87.2				125.3
N/A 11517. RPM	8000	90.5	91.5	91.7	93.1	92.8	93.0	91.2	93.4	88.2	83.0	84.4	82.4				123.0
(1166. RAD/SEC)	10000	94.4	95.6	95.8	96.3	96.6	97.2	96.3	94.3	89.1	86.4	87.2	84.5				128.3
AC. OF FLATS IN 12500	12500	91.4	92.4	92.8	94.3	95.7	95.5	93.6	91.6	88.0	83.5	84.4	82.4				124.3
FAN TIP SPEED 14.66	14660	93.3	93.3	91.3	92.5	93.6	93.9	92.6	88.3	86.7	81.5	83.8	82.3				124.6
979. FT/SEC	20000	86.9	87.1	91.0	92.5	93.4	92.5	91.8	87.5	86.2	80.1	81.8	81.5				124.6
	25000	86.5	87.3	90.9	92.3	92.6	91.9	90.0	87.8	84.2	78.0	80.3	81.6				124.2
	31500	88.1	88.1	87.1	93.3	91.3	90.6	89.0	85.4	82.3	76.9	78.7	80.3				123.7
	40000	85.8	85.6	88.6	88.7	88.1	87.4	86.6	82.7	81.3	75.2	77.7	80.7				122.7
OVERALL MEASURED																	
OVERALL CALCULATED		105.6	103.5	106.3	106.7	108.3	108.9	105.4	105.7	103.4	98.5	101.3	97.7				139.7
PND3		120.2	120.4	120.6	120.4	122.4	123.2	122.8	121.3	118.1	112.5	116.5	112.5				

Run 2/Reading 10

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PNDG, DATE - MONTH 42 DAY 8 HR. 0.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
50	(0.17)	37.7	47.2	51.6	54.8	55.0	54.7	56.0	55.7	54.1	55.2	57.8	
63	(0.35)	43.8	51.4	54.1	56.3	57.9	59.1	59.7	58.8	56.8	58.6	59.6	
SIDELINE 500. FT. (192.40 M)	100	46.9	54.3	57.3	59.5	59.1	56.9	58.0	57.5	56.1	59.0	57.4	
NPA 3150. RPM (331. RAD/SEC)	125	43.5	52.7	56.9	59.3	60.5	61.1	61.7	59.7	57.8	60.4	57.4	
NPK 3131. RPM (333. RAD/SEC)	200	44.6	54.5	59.4	61.9	62.9	61.2	61.1	59.1	57.3	60.6	58.6	
NPD 3244. RPM (343. RAD/SEC)	315	43.7	55.4	59.8	62.0	63.1	61.9	61.8	59.3	57.0	60.3	58.0	
AIRFLOW RATIO 900	630	44.4	54.1	59.0	63.2	63.6	63.2	61.0	60.6	58.3	60.9	58.1	
W/F/AH 12.60	800	43.3	54.2	59.3	61.3	61.3	61.1	63.7	58.6	55.8	59.9	57.1	
VEHICLE UTSIM 1303	800	43.5	53.3	59.4	62.8	62.8	62.7	62.6	58.9	56.1	60.9	57.9	
CUN 1250	1250	41.1	50.0	56.3	60.3	61.8	61.0	61.8	59.8	57.3	60.1	57.5	
LUC ECHENECTADY 1600	1600	38.3	48.7	54.9	58.5	61.6	61.2	64.1	61.6	55.4	62.1	57.6	
DATE 9-05-75	2000	39.6	50.2	56.3	61.7	64.6	64.8	63.3	60.5	56.3	60.8	57.7	
RUN 2/10	2500	52.4	64.3	70.7	77.5	81.5	83.1	82.5	79.7	74.2	77.5	71.9	
TAPE X00001	3150	43.3	53.8	60.0	66.3	70.3	72.1	71.7	68.4	64.2	66.4	61.1	
FAN TIP SPEED 4000	5000	34.9	49.3	55.4	61.6	64.5	65.5	64.9	62.2	55.5	60.9	57.3	
979. FT/SEC	6000	40.4	55.0	64.3	68.2	71.0	72.2	72.4	67.4	63.9	66.5	63.6	
OVERALL CALCULATED	8000	32.8	43.7	50.4	62.7	65.9	66.0	65.5	62.9	60.0	61.2	59.4	
PNDH	9000	32.7	50.8	60.6	67.5	69.2	70.4	69.7	66.2	62.7	63.3	59.9	
	10000	23.2	44.7	55.0	63.1	66.3	66.6	65.9	63.2	58.9	59.5	56.7	
		17.7	41.6	53.4	60.2	64.1	65.1	62.3	61.5	56.6	57.8	56.3	
		9.9	36.2	49.9	57.5	60.7	62.6	60.9	59.5	53.7	55.2	53.9	
			28.1	44.2	52.7	56.9	58.1	57.7	55.1	45.3	51.2	51.5	
			15.3	35.2	46.0	51.2	53.2	51.7	50.3	45.0	48.4	46.7	
		57.2	67.8	74.1	79.8	83.2	84.5	83.9	81.3	76.6	79.3	74.8	
		62.9	76.2	84.3	89.9	92.8	93.8	93.2	90.7	86.3	88.7	84.7	

ORIGINAL PAGE IS OF POOR QUALITY

Run 2/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PNDB, DATE - MONTH 51 DAY 0 HR. 0.0

SEL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (DB, DEG. F. 70 PERCENT REL. HUM. DAY)															PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	
	50	65.6	68.1	67.6	66.6	67.3	67.6	67.3	65.6	67.1	66.8	71.3	70.1				121.9
	63	71.3	72.5	71.9	71.3	74.0	74.3	74.3	73.3	74.5	73.0	79.0	76.8				123.8
RADIAL 17. FT.	85	64.1	66.1	66.4	62.8	64.6	68.1	72.4	73.9	73.9	74.4	72.6	76.6				127.6
(5. M)	100	69.4	69.4	68.6	66.1	64.6	65.1	67.4	69.4	68.9	69.6	73.8	72.4				133.6
VEHICLE UTWSTM	125	77.7	76.9	75.9	73.7	74.7	73.2	72.4	73.9	72.7	71.2	75.7	75.2				137.7
DRIVE	160	77.9	76.4	75.6	75.9	76.6	75.4	73.9	74.9	73.9	72.4	77.6	76.0				139.1
LEG SOME INSTADY	200	81.0	81.6	83.7	81.0	81.0	81.7	81.0	81.0	79.2	76.5	77.5	75.7				143.0
DATE 5-06-75	250	83.8	83.5	82.5	82.0	80.0	78.7	78.0	78.8	76.5	76.7	79.0	76.9				143.0
RUN 2/11	315	85.3	83.5	84.7	83.7	82.0	83.3	79.0	77.0	76.0	74.7	80.0	76.2				142.7
TAP Y03001	400	88.4	89.1	87.1	85.4	84.4	83.9	81.9	80.6	79.4	78.9	79.6	78.1				146.0
BAR 27.5 M3	500	85.6	86.3	86.3	86.1	84.8	83.3	81.0	79.0	78.1	76.3	75.6	77.3				145.9
(95-20) N/M2	630	88.4	88.4	85.7	85.5	88.2	87.8	86.2	84.2	81.2	78.7	81.7	79.2				145.6
TAP 57 DEG F	800	88.3	91.0	92.2	93.0	96.0	95.8	94.5	91.0	88.8	85.8	85.8	86.5				125.8
(234. DEG K)	1000	87.7	88.2	88.4	88.0	88.2	86.8	84.9	83.1	81.7	78.7	81.2	79.2				119.3
TAP 23. DEG F	1250	89.3	90.0	89.7	89.8	91.1	89.5	87.7	85.2	83.5	81.5	83.0	80.8				123.3
(233. DEG K)	1500	89.4	89.1	88.8	89.5	91.2	92.2	93.1	94.9	95.9	93.4	85.9	82.6				122.2
HACI 1. GM/M3	2000	86.9	87.7	88.2	88.9	91.6	93.8	94.1	92.8	90.0	87.8	87.5	85.5				124.5
(1. KG/M3)	2500	88.9	89.1	88.5	89.2	93.0	94.5	95.1	93.0	91.4	87.7	82.1	84.4				125.3
N/A 11475. RPM	3150	99.4	97.7	99.9	101.4	102.3	105.5	104.8	103.1	99.9	96.8	98.2	95.2				115.0
(1427. RAD/SEC)	4000	95.5	95.0	96.5	98.4	99.3	101.8	101.8	103.1	98.7	93.2	94.9	90.4				112.1
N/A 11740. RPM	5000	89.1	91.6	90.8	91.1	92.3	93.3	93.7	91.6	87.4	84.5	85.6	82.2				123.7
(1631. RAD/SEC)	6300	95.0	96.0	95.4	97.2	96.6	98.9	97.9	97.5	93.3	90.4	91.6	87.4				123.1
N/A 11517. RPM	8000	93.0	94.5	91.9	95.1	95.5	95.8	95.9	95.4	91.4	88.8	89.4	85.6				127.5
(1736. RAD/SEC)	10000	94.1	94.0	95.0	96.3	96.6	95.7	94.5	93.1	90.4	88.1	86.7	84.8				127.1
N/A 11700. RPM	12500	91.9	92.4	92.0	93.7	94.5	94.0	92.5	91.3	88.5	83.7	84.9	82.4				125.2
FAN TIP SPEED	15000	90.6	90.6	91.5	92.3	93.6	92.9	92.8	93.5	90.7	81.5	83.3	81.3				124.1
1019. FT/SEC	20000	89.6	89.4	91.3	92.2	92.9	92.1	90.8	86.8	86.2	76.8	82.4	81.3				123.9
	25000	88.0	88.5	90.4	91.9	91.8	90.7	89.0	86.3	83.9	77.8	80.0	81.6				123.3
	31500	88.3	88.0	88.9	89.8	90.3	89.4	87.5	83.9	82.1	76.6	78.9	80.3				122.7
	40000	85.6	86.0	85.4	88.0	87.4	86.6	85.1	81.0	74.5	77.7	80.2					122.0
OVERALL MEASURED																	
OVERALL CALCULATED		105.3	105.3	106.1	107.1	108.8	109.4	108.9	107.3	104.2	100.9	102.4	90.6				148.1
PNDB		119.2	118.6	119.8	121.8	121.7	123.8	123.2	121.7	118.7	115.6	117.2	115.0				

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Run 2/Reading 11

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROG. DATE - NOV 14 51 DAY 8 HR. 0.3

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 78 PERCENT REL. HUM. DAY)													
	FREQ. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.77)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)
50	39.9	45.8	51.4	53.8	54.3	54.0	55.0	55.2	55.8	56.9	57.5	58.6	59.9	61.4
63	45.6	51.4	57.1	57.8	60.4	60.9	62.4	63.3	63.7	64.8	65.9	67.1	68.4	69.8
SIDELINE 500. FT. (192.40 M)	44.6	51.6	54.7	56.5	57.1	57.6	59.2	59.4	59.8	60.8	61.9	63.1	64.4	65.8
100	46.1	53.3	57.1	58.5	58.4	58.4	57.2	56.7	55.8	54.8	53.8	52.8	51.8	50.8
NPA 3280 RPM (344. RAD/SEC)	48.2	55.2	59.4	60.3	61.8	62.1	63.7	63.9	63.6	62.2	60.8	59.4	58.0	56.6
125	45.6	54.0	58.6	60.4	60.9	60.5	59.6	58.4	56.8	54.8	52.8	50.8	48.8	46.8
NPK 3310 RPM (347. RAD/SEC)	46.5	55.7	60.6	63.5	63.1	64.9	63.8	61.3	58.3	54.3	49.3	44.3	39.3	34.3
200	48.2	58.6	64.8	71.0	72.9	73.0	73.4	64.6	63.8	63.7	63.6	63.5	63.4	63.3
NED 3244 RPM (340. RAD/SEC)	44.5	54.2	59.3	62.8	63.5	63.1	62.2	61.4	60.5	59.6	58.7	57.8	56.9	56.0
315	45.3	54.0	61.6	65.3	66.8	66.7	65.1	62.9	61.1	62.4	63.6	64.8	66.0	67.2
AIRFLOW RATIO M/PM 12.60	43.3	53.3	59.8	65.0	66.3	67.7	67.0	65.1	62.8	60.1	61.3	62.5	63.7	64.9
630	41.3	51.9	58.6	65.0	67.6	71.5	71.1	68.9	66.9	66.4	66.0	65.6	65.2	64.8
800	43.3	51.4	59.0	66.0	69.9	72.1	71.0	70.0	68.5	68.0	67.5	67.0	66.5	66.0
VEHICLE - UH51M CON 10	47.9	61.8	69.9	74.8	80.5	81.5	81.1	78.2	75.2	74.5	73.8	73.1	72.4	71.7
1250	43.5	57.5	68.3	71.3	76.3	78.1	77.5	74.0	71.4	72.9	74.4	75.9	77.4	78.9
LDC SCHEMECTADY DATE 5-25-75	36.9	51.5	58.1	63.6	67.2	68.8	68.4	64.9	62.2	63.1	64.0	64.9	65.8	66.7
2100	37.0	54.6	63.2	67.2	70.3	73.2	73.7	70.4	67.7	68.2	68.7	69.2	69.7	70.2
RUN 2/11	35.8	52.0	63.4	65.4	68.7	70.8	71.5	68.1	65.7	66.2	66.7	67.2	67.7	68.2
TAPE X00001	32.0	50.0	59.8	65.5	67.7	68.6	67.2	64.4	62.7	62.8	62.9	63.0	63.1	63.2
FAN TIP SPEED 3019. FT/SEC	23.2	44.0	55.9	61.8	64.0	65.3	65.7	63.7	61.1	62.0	62.9	63.8	64.7	65.6
6300	17.3	41.9	53.1	60.2	63.1	65.4	62.5	61.5	60.6	60.7	60.8	60.9	61.0	61.1
8000	4.2	35.4	49.6	57.0	60.2	61.6	62.2	62.5	62.8	63.1	63.4	63.7	64.0	64.3
10500		27.6	43.7	52.0	55.7	57.1	56.2	54.8	53.0	51.0	49.0	47.0	45.0	43.0
OVERALL CALCULATED	57.4	67.9	74.9	79.8	84.0	85.2	84.6	82.2	79.2	80.9	82.6	84.3	86.0	87.7
PND8	61.9	76.1	84.5	89.8	93.3	94.4	94.2	91.6	88.5	89.7	91.9	94.1	96.3	98.5

Run 2/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (DB, DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SYL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
	53	65.6	67.9	67.1	67.3	68.1	68.6	67.6	68.1	68.8	68.3	73.6	72.3						103.5
	63	68.8	73.3	73.3	72.3	74.5	75.8	75.8	74.3	75.0	74.5	79.0	77.3						107.5
RADIAL 17. FT.	80	63.6	65.4	65.9	62.3	64.9	67.9	72.6	74.1	74.1	74.6	77.6	75.6						107.4
(S. M)	100	68.9	68.6	65.1	65.4	63.9	64.9	66.4	64.6	69.6	69.9	73.4	71.9						103.3
VEHICLE (TMSIN)	125	76.9	76.4	75.7	73.4	73.9	73.2	71.9	73.9	73.4	71.2	75.4	75.4						107.6
160	77.1	75.9	75.6	75.4	76.4	75.1	73.4	73.9	73.4	72.9	77.9	76.9							109.3
LUG SCHEMECTADY	200	63.3	67.3	66.2	63.7	63.2	64.5	61.5	63.0	61.0	70.5	70.7	70.5						115.9
DATE 15-06-79	250	63.5	62.8	62.2	60.7	60.2	78.7	78.2	78.5	72.7	76.7	79.0	76.5						112.5
ROV 2/12	315	64.8	64.8	63.5	62.5	62.2	79.8	77.7	76.8	76.0	75.0	77.2	76.5						112.0
TAP	400	66.9	65.6	65.1	64.7	64.4	64.4	63.9	62.4	60.4	78.6	80.9	76.9						116.3
EAR 27.0 HG	500	65.3	67.6	67.3	65.3	65.6	62.8	61.5	72.6	77.6	76.6	79.6	77.8						115.3
(99025, N/M2)	630	69.7	71.2	69.9	69.7	69.7	68.0	66.7	65.4	62.2	60.2	62.2	60.4						120.0
TANK 52, DEG F	800	91.0	92.0	94.0	93.8	94.5	94.1	92.0	93.3	80.3	85.0	85.3	82.5						124.4
(284, DEG K)	1000	91.9	92.2	90.7	91.5	92.2	91.3	89.2	87.1	84.4	82.5	83.7	83.2						121.9
TANK 51, DEG F	1250	92.8	91.6	94.7	93.1	92.8	91.6	91.0	89.2	86.5	84.5	84.8	82.3						123.5
(283, DEG K)	1600	91.1	90.9	91.6	91.5	91.9	92.4	91.3	89.2	87.1	85.2	85.9	83.1						123.1
HAD1 G/M3	2000	89.2	93.4	93.4	91.4	92.8	94.8	94.9	94.1	90.2	89.3	89.5	86.2						125.7
(K/M3)	2500	89.6	90.4	90.4	91.3	92.0	92.7	93.8	93.0	89.9	89.0	86.9	84.4						124.7
N/A 10014, RPM	3150	90.2	93.4	94.1	94.1	100.1	99.0	97.8	96.1	92.7	90.3	93.7	88.2						127.0
(1458, RAD/SEC)	4000	100.5	101.0	101.8	102.1	102.8	102.3	100.8	98.0	95.2	93.5	93.4	90.9						132.9
N/A 12102, RPM	5000	90.8	91.6	91.6	92.1	92.8	93.0	93.3	92.3	88.6	89.5	85.4	83.4						124.4
(1257, RAD/SEC)	6300	93.3	93.3	94.7	94.4	95.6	95.9	94.9	94.3	90.1	87.6	87.9	84.9						125.5
N/A 11517, RPM	8000	95.0	94.3	93.9	93.1	96.5	97.8	96.2	95.2	91.2	87.8	82.4	80.9						124.1
(1406, RAD/SEC)	10000	94.4	94.9	94.0	94.0	96.4	95.2	94.8	93.3	87.9	87.4	87.2	80.0						126.9
NO. OF BLADES 10	12500	92.4	92.6	92.0	92.7	93.7	93.8	92.6	91.3	89.0	84.5	84.9	82.4						125.0
FAN TIP SPEED	15000	91.1	93.6	91.0	91.3	92.8	92.6	91.3	88.5	87.0	82.7	83.0	81.5						123.0
1009, FT/SEC	20000	89.9	89.6	86.3	91.5	92.2	91.3	90.1	85.0	80.2	82.1	82.4	82.0						123.4
	25000	88.3	88.0	89.9	91.0	90.8	89.7	84.8	85.6	83.9	80.8	80.5	82.4						122.9
	31500	88.3	88.1	88.6	89.1	89.1	88.6	86.3	83.7	82.1	80.4	78.9	80.8						122.1
	40000	86.3	85.6	88.1	87.7	86.1	85.4	84.4	81.9	81.5	81.2	78.2	81.2						121.6
OVERALL MEASURED																			
OVERALL CALCULATED		106.4	107.0	107.3	107.5	108.2	107.9	106.8	105.2	102.0	96.7	100.1	97.8						130.0
PNDB		120.3	121.0	121.4	121.5	122.2	121.8	120.7	119.0	115.0	113.9	114.3	111.8						

ORIGINAL PAGE IS
OF POOR QUALITY

Run 2/Reading 12

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONIN 63 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, Dec, F. 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.					
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
	50	38.4	45.8	49.9	53.5	54.0	53.5	54.0	54.7	54.3	59.2	57.0						
	63	49.1	55.9	57.9	60.1	63.1	61.4	63.7	62.1	60.7	59.8	59.1						
SIDELINE 500. FT:	80	43.0	51.3	54.5	56.6	57.1	57.9	58.7	58.6	57.8	59.9	56.9						
(192.40 M)	100	49.1	52.1	55.8	58.5	57.9	57.1	57.0	56.7	55.9	58.0	55.7						
N/A 3394, RPM	125	46.3	53.2	57.6	60.3	62.3	63.1	62.4	60.9	59.3	61.4	58.9						
(354, RAD/SEC)	160	40.4	54.8	58.9	61.2	60.4	60.5	59.4	58.1	57.0	59.9	57.6						
N/A 3409, RPM	200	49.2	57.9	61.7	65.0	65.3	65.4	65.9	62.3	60.5	62.3	60.3						
(357, RAD/SEC)	250	49.2	60.4	65.3	69.5	71.1	70.5	69.0	66.1	65.1	65.2	61.9						
N/A 3244, RPM	315	48.5	56.3	62.8	66.8	68.0	67.4	66.2	64.1	62.3	63.4	59.3						
(340, RAD/SEC)	400	50.0	59.8	63.9	67.0	68.0	68.7	68.1	65.7	64.1	64.2	60.9						
AIRFLOW RATIO	500	49.1	56.0	61.8	65.8	68.6	69.0	67.3	66.3	64.5	65.1	61.8						
W/WH 12.60	630	43.7	54.1	61.1	66.2	70.6	72.2	72.4	69.1	68.4	68.4	64.6						
	800	50.1	62.3	68.3	73.0	74.4	74.9	74.1	71.3	69.1	69.3	66.3						
VEHICLE UH51M	1000	51.3	61.8	70.7	75.3	77.3	77.5	75.4	73.5	72.3	71.7	68.7						
CON:10	1250	43.2	52.6	63.0	64.8	67.6	69.6	69.7	68.6	63.7	63.4	60.8						
LUC SCHENECTADY	1600	41.4	54.4	61.5	66.9	69.9	70.8	71.2	67.7	65.4	65.5	61.9						
DATE 15-06-75	2000	43.2	54.4	62.3	67.1	71.3	71.5	71.7	68.4	65.2	65.6	62.4						
RUN 2/12	2500	36.3	51.2	60.1	66.4	68.2	69.7	69.5	67.7	64.5	64.0	61.2						
TAPE Y00301	3150	23.9	47.2	56.8	62.8	66.0	66.9	66.9	65.3	61.0	61.2	57.9						
FAN TIP SPEED	4000	21.7	43.3	53.4	60.5	63.7	64.6	63.2	62.5	58.5	58.5	56.2						
1059. FT/SEC	5000	17.5	41.0	52.7	59.3	62.0	63.1	61.2	61.5	57.6	57.6	56.5						
	6300	9.4	35.7	43.1	55.6	58.5	60.2	59.6	57.9	55.0	54.5	55.4						
	8000		25.8	42.2	50.2	54.5	55.2	54.5	53.9	52.6	50.8	51.6						
	10000		15.6	34.0	42.2	47.3	50.0	49.8	50.4	50.7	47.3	49.0						
OVERALL CALCULATED		59.5	70.0	76.0	80.4	82.6	83.0	82.5	79.8	77.9	78.1	75.1						
PND8		64.3	77.3	84.6	89.9	92.5	93.1	92.8	90.7	88.0	88.0	85.3						

Run 2/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99, 100, 105, 110, 115, 120 PERCENT REC. AMPL, DAY)

PROC. DATE - MONTH 51 DAY 0 HR. 0:0

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PHL					
	0,	10,	20,	30,	40,	50,	60,	70,	80,	90,	100,	110,	0,	0,	0,	0,	0,	0,
FREQ, (0,	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0,	(0,	(0,	(0,	(0,	(0,	(0,
90	83.6	85.8	85.1	84.6	84.8	85.6	84.5	84.9	86.3	86.1	86.6	84.8						99.1
53	70.3	71.5	72.8	71.8	74.0	75.0	73.5	72.5	74.5	73.3	75.5	73.3						104.8
RADIAL 17, FT.	60	62.6	64.9	63.8	60.13	63.3	67.9	71.9	73.1	72.9	73.9	71.6	69.4					107.4
VEHICLE (5, 4)	180	62.7	62.7	62.7	61.7	59.7	61.9	63.4	64.4	55.4	64.9	64.4	63.7					104.8
CONFIS	125	70.7	70.9	71.2	68.7	68.7	68.7	69.2	70.9	70.4	69.7	69.2	69.4					107.4
LCC SCHEVEDTADY	150	73.4	72.1	71.9	71.6	72.1	70.9	69.6	70.1	70.9	70.6	71.6	71.4					103.4
DATE 65-04-75	250	75.3	78.5	78.7	76.2	75.3	75.0	73.2	73.3	72.0	70.7	69.7	70.0					104.7
BLN 2/13	250	77.0	77.3	76.5	74.7	74.2	72.7	72.0	72.3	72.0	72.0	71.2	69.2					106.4
YAFS X00010	315	78.0	78.3	77.5	76.7	76.0	74.3	72.5	70.8	69.5	69.5	65.0	66.7					106.5
BAR 29.6 HG	400	69.9	80.9	79.6	78.9	77.9	77.9	76.4	74.7	73.6	72.1	69.6	66.9					109.4
(99.33, 1/2)	500	80.8	81.6	81.0	79.8	79.6	77.6	76.5	74.6	73.1	72.8	70.1	67.1					109.9
YAFS 521 DEG F	630	83.7	85.2	85.4	84.7	84.7	83.8	83.4	80.9	79.0	75.0	74.5	71.2					115.3
(284, DEG K)	800	85.0	86.8	88.2	88.0	89.3	88.6	86.2	83.5	81.0	79.3	76.3	75.0					116.7
YMET 501 DEG F	1000	87.9	88.7	87.9	86.7	86.5	85.3	83.7	81.3	79.9	77.2	74.7	70.9					116.7
(283, DEG K)	1250	91.5	91.3	90.5	90.3	90.6	89.1	87.0	84.4	82.3	80.8	77.5	73.8					120.1
WACT 3. GM/H3	1600	89.1	89.4	89.1	89.2	89.7	90.2	89.1	86.9	84.9	82.2	79.9	76.4					120.6
(1, KG/H3)	2000	86.9	88.1	88.4	88.8	89.0	91.0	93.6	87.8	85.4	83.9	80.4	76.9					122.1
WFA 11684, RPM	2500	97.7	96.9	97.1	99.1	95.1	102.3	102.1	99.6	95.7	93.8	92.2	86.0					121.2
(1223, RAD/SEC)	3150	94.3	94.0	94.1	96.1	94.8	98.8	98.5	96.6	92.2	90.2	85.6	82.7					132.0
KFK 11769, RPM	4000	87.8	89.6	89.1	89.4	89.8	90.3	90.0	89.8	85.4	82.5	80.1	75.9					125.7
(1232, RAD/SEC)	5000	92.5	95.3	94.9	94.4	95.6	95.4	94.7	93.5	89.6	86.9	82.5	62.2					121.3
WFO 11517, RPM	6300	91.0	93.8	93.2	93.1	93.3	93.5	92.4	91.9	87.9	85.0	82.2	79.4					125.4
(1108, RAD/SEC)	8000	92.1	93.4	93.0	94.0	95.1	94.4	93.3	91.8	88.1	84.6	81.2	78.5					124.6
NO. OF BLADES 18	12500	90.9	91.1	90.3	91.2	92.7	92.3	91.1	88.8	86.3	81.9	78.6	75.6					125.4
FAN TIP SPEED	16000	89.1	89.3	89.5	89.6	91.1	91.1	89.1	85.8	84.5	79.7	76.3	73.3					123.2
1020. FT/SEC	20000	88.1	85.6	89.0	79.0	91.4	89.5	88.4	84.7	83.7	78.1	74.5	71.3					121.8
	25000	85.8	87.0	87.2	89.0	89.6	88.2	87.3	83.3	81.4	75.5	71.3	68.6					121.5
	31500	86.8	86.8	85.6	86.6	87.8	87.4	85.5	80.4	79.3	74.4	68.9	66.0					120.8
	40000	84.1	84.1	84.6	84.7	85.4	84.4	82.6	77.4	78.0	72.0	65.0	63.2					120.0
OVERALL MEASURED																		119.0
OVERALL CALCULATED																		137.0
PNR	103.5	104.2	104.0	104.9	105.0	106.6	106.5	103.9	100.4	97.9	95.9	91.3						
	117.2	117.4	117.4	118.5	118.1	120.7	120.3	118.1	114.7	112.8	110.7	105.8						

ORIGINAL PAGE IS
OF POOR QUALITY

Run 2/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 51 DAY 0 HR. 0:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT SITE	FREQ, (Hz)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
	50	34.7	42.1	46.1	49.3	49.8	49.7	51.0	52.3	52.1	52.9	52.3	52.3	52.3
	63	40.3	48.4	50.4	51.8	53.6	53.1	53.9	53.1	52.0	50.8	50.6	50.6	50.6
SIDELINE 500 FT	90	38.3	45.6	48.5	50.8	51.1	51.6	52.7	52.9	53.0	52.1	49.7	47.0	47.0
(152.40 M)	100	38.6	46.1	50.1	52.2	52.4	51.9	51.0	50.2	50.4	48.7	48.9	48.9	48.9
NFA 3291 RPM	125	40.5	47.7	51.9	53.8	53.8	53.6	54.9	54.2	52.8	50.2	48.9	48.9	48.9
(345, RAD/SEC)	150	40.4	45.5	52.4	55.2	55.2	55.5	54.4	53.4	53.3	50.4	46.9	46.9	46.9
NFK 3315 RPM	200	43.2	52.4	56.9	60.0	61.1	62.2	60.5	59.1	58.2	54.6	50.8	50.8	50.8
(347, RAD/SEC)	250	43.9	54.6	59.8	64.2	63.6	64.7	62.9	60.9	59.3	58.2	54.4	54.4	54.4
BFD 3244 RPM	315	45.0	53.7	58.0	61.1	62.0	61.9	60.4	59.6	57.0	54.4	50.1	50.1	50.1
(340, RAD/SEC)	350	46.3	55.6	61.1	64.8	65.5	64.9	63.3	61.7	60.4	56.9	52.6	52.6	52.6
AIRFLOW RATIO	500	43.6	53.5	59.5	63.5	66.3	66.7	65.5	64.1	61.5	59.1	55.0	55.0	55.0
WF/WH 12.60	630	41.5	52.1	59.4	64.2	67.6	68.7	67.6	65.6	63.9	59.9	56.3	56.3	56.3
	690	39.8	51.2	58.0	63.0	66.4	67.6	65.8	64.0	62.3	59.0	55.0	55.0	55.0
VEHICLE UTHS14	1000	47.2	59.1	67.7	73.5	77.3	78.7	77.3	74.0	72.2	70.5	63.7	63.7	63.7
CONFIG	1250	42.5	55.0	64.0	66.8	73.3	74.8	74.0	70.1	68.4	66.6	60.1	60.1	60.1
LOC SCHENECTADY	1600	35.9	43.7	56.4	61.1	64.2	65.8	65.7	62.9	60.2	57.6	52.8	52.8	52.8
DATE 05-06-75	2000	39.1	53.3	60.5	65.2	68.8	69.9	69.9	66.9	64.2	61.7	58.6	58.6	58.6
BLN 2/13	2500	55.0	50.2	58.4	63.2	66.4	67.3	68.0	64.6	62.0	58.9	55.4	55.4	55.4
TARE X00010	3150	30.7	48.0	57.8	64.0	66.5	67.4	67.2	64.2	61.0	57.3	53.9	53.9	53.9
FAN TIP SPEED	4000	21.9	42.2	53.0	60.1	63.0	64.1	63.2	61.4	58.9	53.8	50.0	50.0	50.0
3020, FT/SEC	5000	16.7	39.9	50.6	57.7	61.4	61.6	59.8	59.3	54.8	51.1	47.3	47.3	47.3
	6300	5.4	34.2	47.4	54.5	58.0	59.4	58.4	57.0	51.7	47.9	43.7	43.7	43.7
	8000		24.4	41.2	49.7	53.2	55.3	53.2	52.4	46.8	42.2	38.5	38.5	38.5
	10000		11.8	31.5	42.5	47.9	49.7	48.9	47.0	42.5	36.7	32.3	32.3	32.3
OVERALL CALCULATED		54.8	65.4	72.6	76.4	80.9	82.1	81.1	78.1	76.1	73.9	68.7	68.7	68.7
PNDB		60.4	74.2	82.0	87.4	90.4	91.8	90.7	88.2	85.5	82.9	78.8	78.8	78.8

Run 2/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 58 DAY 8 HR. 0:0

MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)																PWC	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	120.	0.	0.	0.	0.		0.
	50	83.6	57.1	65.8	66.1	66.1	66.3	66.3	65.3	66.3	67.1	66.6	65.3						99.8
	63	70.3	73.5	70.3	72.3	73.3	73.0	73.0	71.5	72.8	73.3	75.3	74.0						106.9
RADIAL 17, FT.	80	62.6	65.6	64.6	61.6	63.6	67.4	71.6	73.4	73.4	74.4	72.1	69.9						105.1
(5.4)	100	62.7	65.9	64.6	62.4	63.4	62.4	64.1	66.1	66.9	66.9	66.1	65.1						96.0
VEHICLE UTWSIN	125	70.7	72.7	72.2	69.2	69.9	68.9	69.4	70.9	69.9	69.9	68.9	68.7						103.5
CONFIG	160	73.4	72.6	71.9	71.6	72.1	71.1	70.1	73.9	70.6	69.9	71.1	70.4						104.6
LCC SCHENECTADY	200	75.3	74.3	74.0	72.2	72.0	72.0	72.5	72.1	71.2	69.5	67.0	65.0						104.7
DATE 05-06-75	250	77.0	77.5	77.0	75.5	74.5	73.5	72.7	73.3	72.7	72.5	71.5	69.7						107.0
RUN 2/14	315	78.0	78.5	78.2	77.2	76.5	75.0	74.2	72.5	70.0	68.7	66.7	66.0						107.1
TAPE X00010	400	80.9	80.4	81.1	80.2	81.1	79.2	78.6	76.9	73.9	72.4	69.1	68.4						120.7
BAR 29.6 HG	500	83.8	77.1	77.3	75.3	77.8	76.3	75.8	73.1	73.1	70.6	67.8	65.6						108.1
(9980) 4/42	630	83.7	77.9	78.9	79.2	79.5	77.3	76.7	75.9	73.7	72.2	70.2	67.7						109.6
TAPE 501 DEG F	800	85.0	78.5	80.5	81.8	82.8	81.3	79.2	77.5	75.5	74.8	71.8	69.0						112.1
(224) DEG K	1000	87.9	83.7	82.4	81.0	82.2	84.0	82.9	80.8	78.9	77.5	73.2	71.4						114.2
TMET 501 DEG F	1250	91.5	83.0	82.2	82.1	84.8	89.3	84.2	82.7	81.8	78.8	75.5	71.5						115.8
(253) DEG K	1600	89.1	83.1	84.1	82.5	83.4	83.2	83.1	81.9	80.9	78.4	75.4	72.1						114.9
WACT G. GM/H3	2000	85.4	83.7	83.7	83.1	84.3	83.8	82.9	81.6	78.2	76.8	72.7	70.0						114.6
() KG/H3	2500	86.9	86.1	85.4	85.3	86.3	87.2	88.1	85.0	82.4	80.5	78.1	72.9						119.6
SFA 10876 RPM	3150	97.7	97.7	98.9	99.4	101.3	100.3	99.1	96.6	92.9	89.5	86.7	84.5						130.7
(1139) RAD/SEC	4000	94.3	87.3	87.6	87.9	88.8	88.3	87.3	84.9	81.7	78.2	76.9	73.2						118.9
SFA 11692 RPM	5000	87.8	86.1	87.6	88.9	89.8	89.8	89.3	86.9	83.1	80.5	77.4	74.7						120.3
(1147) RAD/SEC	6300	92.5	95.0	95.2	95.9	96.6	96.2	95.9	94.0	90.1	87.6	84.4	81.4						127.2
SFD 1151 RPM	8000	91.0	93.3	92.4	94.4	92.8	92.8	92.2	90.2	85.2	82.3	79.9	78.1						123.9
(1206) RAD/SEC	10000	92.1	95.4	95.0	95.8	97.1	95.7	95.3	93.1	88.9	86.1	81.9	79.8						127.0
NO. OF BLADES 18	12500	91.9	93.6	93.3	94.7	96.2	94.8	93.6	91.3	88.3	83.5	81.4	77.9						126.0
FAN TIP SPEED	16000	89.1	90.6	91.3	92.3	94.1	93.6	91.8	88.0	86.0	81.2	78.3	75.5						124.2
950. FT/SEC	20000	83.1	89.4	90.0	92.0	92.9	91.8	91.6	87.0	85.2	79.8	76.1	72.6						123.7
	25000	86.8	87.0	86.9	90.3	91.1	93.4	89.3	86.1	83.4	77.0	72.8	70.4						122.6
	31500	86.8	86.8	86.9	87.8	89.6	88.9	87.5	83.2	81.6	75.6	69.4	67.3						121.7
	40000	84.1	84.1	84.9	85.2	87.1	85.6	84.6	79.4	80.3	73.2	66.0	64.2						120.3
OVERALL MEASURED																			
OVERALL CALCULATED		103.5	103.6	103.9	104.8	106.1	109.2	104.4	101.8	98.5	95.2	93.3	89.7						136.8
PNGD		117.2	116.5	117.1	117.6	119.0	118.3	117.3	115.0	111.8	108.9	107.8	103.7						

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OF POOR QUALITY

Run 2/Reading 14

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE 4 MONTH 58 MAY 8 HR. 0:9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)											
	FREQ. (0)	10	20	30	40	50	60	70	80	90	100	110
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
50	35.2	42.1	46.1	49.3	50.0	50.2	51.8	51.9	51.3	52.4	51.3	
63	36.1	43.7	46.4	48.8	50.6	52.4	52.7	52.3	49.7	48.1	45.6	
SIDELINE 500 FT; (152.40 M)	39.6	46.1	49.2	51.0	51.9	52.4	53.7	53.6	53.5	52.4	50.2	
BFA 3084, RPM	33.9	46.8	50.6	52.7	53.1	53.6	52.7	50.7	49.6	47.5	46.2	
(321, RAD/SEC)	45.0	49.2	53.1	56.1	57.0	57.8	56.9	54.4	53.1	49.7	48.4	
RFK 3086, RPM	35.9	44.8	50.9	53.4	53.9	54.7	52.9	53.4	51.0	49.1	45.4	
(323, RAD/SEC)	36.0	45.9	51.4	54.8	55.1	55.4	55.5	53.8	52.9	50.3	47.3	
RFD 3244, RPM	35.7	46.9	53.5	57.7	58.4	57.7	56.9	55.4	54.5	51.7	48.4	
(346, RAD/SEC)	47.0	48.2	52.3	56.8	60.3	61.1	59.9	58.6	57.3	52.9	50.6	
AIRFLCH RATIO	38.3	47.3	52.9	59.0	61.3	62.2	61.6	61.2	59.4	54.9	53.4	
WF/WM 12.60	37.3	48.5	52.8	57.3	57.3	63.7	60.6	63.1	57.6	54.6	50.8	
800	36.8	47.4	52.9	57.7	59.6	63.2	58.9	57.1	55.9	51.6	48.3	
VEHICLE UTHSIN	37.0	48.2	54.5	61.2	64.6	65.1	63.0	61.0	59.3	56.8	51.0	
1000	47.9	60.8	67.9	73.8	75.3	75.7	74.3	71.2	68.0	68.0	62.2	
GCNFIG	35.8	46.5	55.8	62.8	62.8	63.6	62.2	59.6	56.4	54.9	50.6	
LOC SCHENECTADY	34.4	47.2	55.9	61.1	63.7	65.0	63.7	60.7	58.2	54.9	51.6	
DATE 05-06-75	38.9	53.3	62.0	67.2	69.5	71.2	70.4	67.2	64.9	61.5	57.9	
SUN 2/14	34.5	49.5	59.6	62.7	65.7	67.0	66.2	61.9	59.5	56.7	54.1	
TAPE X00010	32.5	50.0	59.6	66.0	67.7	67.4	68.4	64.9	62.5	59.0	55.2	
RAN TIP SPEED	24.4	45.2	56.5	63.6	65.5	66.6	65.7	63.4	58.9	55.5	52.2	
950, FT/SEC	17.9	41.6	53.1	60.7	63.9	64.4	62.0	60.8	56.3	53.1	49.5	
6300	6.8	35.2	49.4	57.0	60.0	62.4	59.4	58.5	53.4	49.4	45.2	
8000		26.1	42.5	51.2	59.4	57.3	56.0	54.4	48.3	43.7	40.3	
10000		33.0	52.7	64.3	69.4	67.7	66.7	64.7	63.7	57.2	53.7	
OVERALL CALCULATED	52.0	63.9	71.2	76.7	78.7	79.0	78.3	75.6	72.8	70.9	66.5	
PNDB	58.8	73.2	82.0	88.0	90.1	91.4	90.3	87.5	84.7	81.2	77.7	

Run 2/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99.0 DB, F, 70 PERCENT REC. HUM, DAY)

PROC. DATE - MONTH 63 DAY 8 MR. 0:9

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.		
	30	86.6	85.3	87.1	87.8	88.6	89.8	89.3	87.3	87.1	87.3	86.1	86.1	86.1	86.1	86.1	104.1	
	63	72.0	73.0	71.5	72.8	74.0	73.0	73.5	71.5	62.8	73.8	75.0	73.8	73.8	73.8	73.8	106.5	
BARIAL 17, FT.	90	84.4	87.1	88.6	84.9	85.9	85.4	72.4	74.4	65.1	75.5	73.4	71.4	71.4	71.4	71.4	109.9	
(5, 4)	100	75.4	70.6	69.1	66.9	65.9	66.5	68.6	70.4	61.7	72.1	71.6	70.4	70.4	70.4	70.4	103.1	
VEHICLE	125	77.9	77.7	76.2	73.7	74.7	73.4	71.9	73.2	62.4	71.2	70.4	70.7	70.7	70.7	70.7	108.1	
UTWSIM	150	78.6	75.9	74.6	75.6	75.9	74.6	73.1	72.4	62.2	70.6	70.9	70.4	70.4	70.4	70.4	106.1	
SCAFIS	200	78.8	78.5	77.5	76.0	76.2	75.7	75.2	76.0	64.2	72.0	70.2	68.7	68.7	68.7	68.7	107.8	
LOC SCHENECTADY	250	81.8	80.8	80.5	79.5	79.5	77.0	76.5	77.0	66.5	75.0	73.5	71.2	71.2	71.2	71.2	109.9	
DATE 05-06-75	315	82.0	82.3	81.5	80.0	79.5	77.3	75.2	73.8	62.2	71.2	69.7	68.0	68.0	68.0	68.0	109.4	
RUN 2/15	450	79.9	80.1	79.4	78.4	77.6	77.4	76.4	75.4	63.9	72.4	73.1	67.9	67.9	67.9	67.9	108.8	
TYPE X00010	500	83.6	82.8	83.0	84.1	83.3	84.3	79.3	76.8	64.9	74.6	72.8	70.8	70.8	70.8	70.8	112.7	
BAR 29.6 KG	630	82.2	84.2	83.7	82.7	82.0	80.3	78.7	77.7	64.7	72.2	70.7	68.9	68.9	68.9	68.9	112.0	
199220, 1/42)	800	83.8	84.8	84.0	83.3	83.3	81.1	79.7	77.5	65.0	72.8	71.0	68.0	68.0	68.0	68.0	112.7	
TYPE 521 (284, 1000 F)	1080	84.7	85.9	85.7	84.0	83.2	81.5	79.7	77.5	65.9	73.8	70.7	66.9	66.9	66.9	66.9	113.3	
THEY 501 (283, 1000 F)	1250	84.0	85.0	85.2	84.1	83.6	82.3	81.7	79.9	67.5	75.0	72.8	69.3	69.3	69.3	69.3	114.8	
(283, 1000 F)	1500	82.6	83.9	82.8	82.7	82.2	81.7	81.1	79.2	66.1	74.4	71.1	68.1	68.1	68.1	68.1	112.8	
FACT 0, 04/43	2000	80.2	84.4	83.9	83.6	83.6	83.0	83.6	80.6	68.0	76.5	73.2	70.0	70.0	70.0	70.0	114.4	
1, 04/43)	2500	86.1	87.1	87.9	87.8	89.3	89.2	88.6	86.8	73.4	82.2	80.4	75.9	75.9	75.9	75.9	116.7	
WFA 12298, RPM	3150	97.2	99.4	100.1	95.1	100.6	102.3	101.3	100.1	86.4	94.8	91.9	89.2	89.2	89.2	89.2	122.1	
(1278, RAD/SEC)	4000	85.0	87.5	87.1	87.1	88.1	88.0	87.8	85.9	72.2	80.0	75.6	74.4	74.4	74.4	74.4	118.6	
SFK 20373, RPM	5000	87.6	90.1	89.6	90.1	91.3	91.5	91.3	88.6	74.6	81.7	79.1	76.4	76.4	76.4	76.4	122.7	
(1086, RAD/SEC)	6300	94.8	95.8	96.2	96.4	97.4	97.4	96.4	95.5	80.6	87.9	84.6	82.2	82.2	82.2	82.2	127.8	
KFD 115.7, RPM	8000	92.0	102.0	99.9	101.1	99.3	97.0	97.7	94.9	80.7	85.3	84.9	85.1	85.1	85.1	85.1	125.9	
(1200, RAD/SEC)	10000	95.1	98.9	99.3	100.0	100.9	99.7	97.8	95.8	80.4	86.4	84.4	82.8	82.8	82.8	82.8	130.4	
SC: CP BLADES 18	12500	93.1	95.1	95.5	97.7	98.0	98.3	96.3	93.8	79.5	86.0	82.1	80.1	80.1	80.1	80.1	129.3	
FAN TIP SPEEDS	16000	90.8	92.3	93.0	94.5	96.6	96.1	94.6	90.5	78.2	82.7	79.8	76.8	76.8	76.8	76.8	125.4	
899, FT/SEC	20000	89.9	91.4	92.3	94.2	95.2	93.8	93.1	88.8	76.7	80.8	77.9	74.5	74.5	74.5	74.5	125.4	
	25000	88.0	89.3	90.4	93.0	93.8	92.9	91.3	87.8	74.7	77.8	73.8	71.6	71.6	71.6	71.6	124.7	
	31500	87.3	88.8	88.6	90.1	91.8	91.1	89.6	84.9	72.8	76.1	70.2	68.3	68.3	68.3	68.3	123.6	
	40000	85.1	85.8	87.1	87.5	88.4	87.9	87.4	81.2	71.3	73.0	65.0	65.2	65.2	65.2	65.2	122.1	
OVERALL MEASURED																		
OVERALL CALCULATED		104.4	107.8	106.7	107.4	107.9	107.6	106.6	104.5	90.7	96.2	95.2	93.0	93.0	93.0	93.0	130.6	
PWB		106.7	108.8	109.0	107.9	109.3	120.0	119.2	117.7	104.2	112.4	109.6	107.1	107.1	107.1	107.1		

Run 2/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE = MONTH 63 DAY 3 HR. 0:0

SPL INPUT AT STG	FREQ, (Hz)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG, F, 20 PERCENT REL. HUM, DAY)												
		ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0° (0.17)	10° (0.35)	20° (0.52)	30° (0.70)	40° (0.87)	50° (1.05)	60° (1.22)	70° (1.40)	80° (1.57)	90° (1.75)	100° (1.92)	110° (2.09)	120° (2.26)
SIDELINE 5007 FT (152.40 M)	50	33.4	44.8	50.1	53.0	53.3	53.2	53.3	43.4	32.1	52.2	51.3	49.4	47.4
SFA 2901, RPM (304, RAD/SEC)	63	43.3	47.2	50.1	53.1	54.4	53.1	56.7	45.3	53.2	51.3	49.4	47.4	45.4
BFA 2922, RPM (306, RAD/SEC)	80	41.8	49.6	53.2	55.0	59.4	56.1	57.4	47.4	56.0	54.4	51.7	48.2	46.2
BFD 3244, RPM (340, RAD/SEC)	100	42.6	50.1	53.3	55.7	59.4	54.6	54.0	43.0	52.1	50.5	48.2	46.2	44.2
AIRFLOW RATIO WF/AM 12.03	125	39.8	47.5	51.4	53.6	55.3	55.6	55.4	44.4	53.1	50.7	47.9	45.9	43.9
VEHICLE UTHS1H CONF10	160	41.6	50.5	56.6	56.9	56.9	58.2	56.6	45.1	55.0	53.1	50.6	48.5	46.5
LCC SCHEMECTADY	200	42.2	50.7	54.9	57.3	57.6	57.4	57.3	44.8	52.9	50.8	48.5	46.5	44.5
DATE 65-05-75	250	41.9	50.4	55.0	58.2	58.1	58.2	56.9	44.9	52.8	50.9	47.4	45.4	43.4
RLN 2/15	315	42.2	51.5	55.3	57.8	58.3	57.9	56.9	45.6	52.8	50.4	46.1	44.1	42.1
TAPE X06010	400	41.3	50.3	54.9	57.8	59.3	59.7	58.8	45.9	55.6	52.2	48.1	46.1	44.1
FAN TIP SPEED 899, FT/SEC	500	38.1	47.3	53.0	56.0	57.6	58.7	57.3	45.3	53.8	50.3	45.8	43.8	41.8
OVERALL CALCULATED PNDB	630	40.2	51.5	57.6	63.0	65.0	65.9	65.1	52.3	61.3	57.3	54.3	52.3	50.3
	800	51.1	63.0	67.3	73.8	77.7	78.4	78.1	65.1	73.6	70.5	67.3	65.3	63.3
	1000	37.8	49.1	55.7	60.6	63.0	64.5	63.6	50.5	58.0	55.0	52.0	50.0	48.0
	1250	38.6	50.5	58.0	63.3	66.1	67.3	65.9	52.6	60.9	57.1	53.8	51.8	49.8
	1600	42.1	55.9	63.5	68.7	71.4	72.3	72.5	58.2	65.7	62.2	59.1	57.1	55.1
	2000	46.7	58.4	67.3	69.9	70.5	73.0	71.5	57.9	65.7	62.1	61.6	59.6	57.6
	2500	40.3	50.5	66.1	70.9	72.7	72.7	72.0	57.2	65.5	61.3	59.0	57.0	55.0
	3150	32.4	50.7	61.8	67.1	70.5	70.6	69.4	55.8	62.5	58.4	55.7	53.7	51.7
	4000	23.5	45.3	56.7	64.2	67.2	67.9	65.2	53.7	58.5	55.3	51.5	49.0	47.0
	5000	19.2	43.0	55.5	62.3	64.5	66.1	63.2	52.0	56.4	53.1	49.0	47.0	45.0
	6300	6.7	36.2	51.1	58.5	51.5	62.7	60.8	48.6	51.5	47.7	44.7	42.7	40.7
	8000		26.8	43.2	52.9	57.0	58.7	55.8	44.7	48.3	42.1	39.1	37.1	35.1
	10000		14.6	33.7	44.4	49.8	53.0	49.3	40.4	42.4	38.0	33.0	31.0	29.0
	OVERALL CALCULATED		55.7	67.0	73.8	78.7	81.4	82.2	81.5	68.3	76.3	73.1	70.3	68.3
	PNDB		64.1	77.1	86.0	91.0	92.2	93.7	92.6	78.9	86.5	82.6	80.3	78.3

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Run 2/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROJ. DATE - MONTH DD DAY @ HR: @: @

MODEL SOUND PRESSURE LEVELS (59, DEG. 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL					
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.		0.	0.	0.	0.	0.
	50	86.6	85.8	87.3	88.1	70.3	71.3	73.3	68.3	67.1	67.6	68.1	66.8						102.4
	63	71.0	71.9	70.3	72.0	74.0	73.0	71.8	70.9	72.0	72.8	73.0	73.3						106.4
RADIAL 17, FT.	80	64.1	66.9	66.4	65.4	65.6	67.9	72.1	74.1	74.9	75.6	73.4	71.6						106.3
(5, 4)	100	72.6	72.9	71.4	69.4	67.9	68.9	71.4	73.1	74.1	75.1	74.6	72.9						105.6
VEHICLE UTHSIM	125	75.9	79.9	78.2	75.9	75.9	75.4	73.7	74.2	73.4	72.4	71.7	71.7						105.2
CONFIG	160	78.9	78.1	76.6	77.9	78.6	77.6	75.4	74.9	74.1	72.6	71.6	70.6						109.8
LCC SCHEMECTADY	200	79.5	80.5	80.0	78.2	75.5	77.7	76.7	77.8	76.9	74.0	72.2	70.0						110.2
DATE 05/06-75	250	85.5	84.8	83.7	82.7	82.2	80.2	79.7	80.0	79.7	79.2	78.2	74.0						113.8
RLN 2/16	315	85.8	86.0	85.0	83.5	83.9	81.0	79.0	77.3	75.2	73.2	73.0	71.2						113.3
TAPE X00010	400	84.1	84.4	83.4	81.9	81.1	80.2	78.6	78.1	75.1	74.1	73.4	69.6						112.1
BAR 29.6 HG	500	84.3	85.8	85.0	84.6	84.1	81.8	80.0	78.5	76.8	76.1	73.6	71.1						114.0
(99820, N/42)	630	87.2	83.2	87.9	87.5	86.7	84.8	82.9	81.4	78.9	76.2	73.7	71.4						116.6
TAMB 521 DEG F	800	89.0	89.8	88.7	89.3	88.9	87.3	85.2	82.5	79.8	78.0	75.0	71.8						118.3
(294, DEG K)	1000	88.7	90.2	90.9	90.7	90.2	88.0	85.9	83.8	80.9	79.9	76.0	72.4						119.8
TNET 501 DEG F	1250	91.0	91.5	90.5	89.8	89.3	87.3	84.7	82.4	80.0	78.0	74.3	71.3						119.9
(283, DEG K)	1600	92.4	92.6	90.3	88.0	86.9	84.7	82.6	80.2	77.4	76.7	73.4	70.4						117.5
NACT 3. 04/M3	2000	85.4	87.9	86.4	85.6	85.3	84.0	82.1	79.6	76.2	74.3	72.0	69.2						115.3
(1, KG/M3)	2500	95.9	95.1	96.1	95.5	96.3	97.7	96.1	93.0	90.4	88.0	84.1	81.2						127.6
BFA 8927, RPM	3150	88.2	88.2	90.2	89.4	89.3	89.9	88.6	84.8	81.9	80.0	76.7	73.5						119.9
(935, RAD/SEC)	4000	85.8	87.0	87.6	87.6	88.6	89.3	88.8	85.6	81.7	79.7	76.4	73.9						119.4
BPK 8992, RPM	5000	94.8	94.1	94.1	95.1	95.6	98.5	97.5	93.1	88.2	86.2	83.9	80.4						127.4
(941, RAD/SEC)	6300	95.3	93.5	95.4	95.7	95.6	96.4	92.7	89.0	84.6	82.1	80.9	79.4						125.5
SFD 11517, RPM	8000	106.8	106.7	106.7	103.4	104.8	104.0	99.4	96.2	91.9	88.9	85.2	87.4						134.3
(1266, RAD/SEC)	10000	94.4	99.6	102.5	104.5	104.1	101.4	100.0	96.3	91.4	87.4	85.4	85.3						133.1
SC, CP BLADES 18	12500	93.6	95.1	96.3	93.5	99.2	95.3	98.3	95.1	93.5	85.0	82.9	81.1						129.7
FAN TIP SPEED	15000	92.1	93.3	94.3	95.8	97.8	97.4	96.3	92.3	88.5	82.7	80.5	78.3						126.6
779, FT/SEC	20000	89.9	91.9	93.5	95.0	96.9	96.1	95.3	91.0	86.0	81.3	78.9	75.5						127.5
	25000	87.5	89.5	90.9	93.9	94.6	93.7	92.3	88.8	83.9	76.3	73.0	71.6						125.5
	31500	87.3	88.8	89.4	90.6	92.3	92.1	90.3	85.4	81.6	74.4	69.4	67.8						124.3
	40000	84.6	86.6	87.4	88.0	89.4	88.6	88.1	81.9	79.8	76.7	65.5	64.4						122.9
OVERALL MEASURED																			
OVERALL CALCULATED		106.1	109.4	110.0	109.4	110.0	109.3	107.1	103.6	99.6	96.1	94.0	92.4						140.8
PND8		117.7	121.1	121.5	119.3	120.0	119.4	117.0	113.7	110.7	108.5	105.5	103.9						

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Run 2/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 69 DAY 0 HR. 0:9

SPL INPUT AT STD	FREQ. (0.1)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0)	(0)	(0)	(0)	(0)
50		40.7	40.8	42.4	45.8	46.5	45.5	45.8	45.4	44.1	42.9	41.5					
63		42.3	49.7	52.4	55.3	56.4	56.6	58.4	57.1	55.2	53.3	50.6					
SIDELINE 503 FT (152.40 M)	80	45.8	52.8	56.5	59.8	58.6	59.4	60.4	60.6	63.3	57.1	54.4					
NFA 2514 RPM (263 RAD/SEC)	125	46.4	53.6	56.8	59.7	59.1	58.4	57.5	56.0	56.1	53.7	51.5					
NFK 2533 RPM (265 RAD/SEC)	200	44.0	51.5	54.9	57.1	58.0	57.8	58.2	55.7	54.8	51.9	49.7					
NFD 3244 RPM (340 RAD/SEC)	315	48.6	52.5	57.4	59.7	59.4	59.0	58.4	57.1	56.5	53.9	51.9					
AIRFLOW RATIO LF/WM 12.60	490	46.2	54.9	59.6	62.0	62.1	61.7	61.0	58.6	56.5	53.8	51.0					
VEHICLE UTHSIN CONFIG	500	46.9	55.1	61.0	63.5	64.4	63.7	61.9	59.6	58.1	54.9	51.1					
LOC SCHENECTADY DATE 05-06-75	630	46.5	56.7	62.0	64.8	64.8	64.1	62.9	60.6	59.3	55.6	51.6					
RLN 2/16	800	46.8	55.6	60.6	63.5	63.8	62.7	61.3	59.4	57.6	53.7	50.1					
TAPE X00010 PAN TIP SPEED 779 FT/SEC	1000	43.6	52.0	55.7	58.7	59.8	59.5	57.9	55.1	53.7	50.9	47.6					
OVERALL CALCULATED PNDB	1200	46.0	60.9	66.0	69.2	73.1	73.1	71.0	69.0	66.8	62.8	59.2					
	1500	38.4	52.1	57.9	61.8	64.5	65.2	62.5	60.2	58.5	55.0	51.2					
	2000	35.5	48.5	55.5	60.5	63.8	63.1	63.0	59.6	57.9	54.4	51.3					
	2500	40.4	53.7	62.1	67.1	72.5	72.8	69.9	65.9	64.0	61.4	57.3					
	3150	42.4	56.8	61.7	67.2	69.8	67.9	63.4	61.7	59.4	58.0	55.9					
	4000	48.0	63.7	68.6	74.7	76.9	74.3	72.2	68.6	65.5	64.9	63.4					
	5000	36.7	57.5	68.3	73.0	73.5	74.1	71.7	67.4	63.7	61.5	60.7					
	6300	25.9	48.2	60.3	66.6	70.0	71.3	69.4	65.7	60.4	58.0	55.5					
	8000	20.7	44.9	56.6	64.5	67.6	65.9	66.3	63.3	57.8	55.3	52.3					
	10000	8.7	38.7	53.4	61.0	64.2	66.1	63.4	61.3	54.9	52.2	47.9					
	12000		26.1	45.7	54.7	58.7	60.3	58.7	54.9	47.5	44.0	41.5					
	15000		15.5	35.5	47.0	52.7	54.5	51.9	49.3	42.5	37.2	34.2					
	20000		57.6	69.0	75.1	79.7	82.0	81.6	79.5	76.4	73.7	71.2	68.8				
	25000		66.9	81.9	88.5	93.7	96.0	95.2	93.0	89.5	86.3	84.6	82.3				

Run 2/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 75 DAY 8 HR: 8:9

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (99. DEC. F. 75 PERCENT REL. HUM. DAY)																PWL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.		
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	
	50	66.6	68.6	67.6	66.3	70.6	71.6	70.9	69.3	67.3	68.1	66.8	67.8						142.8
	63	70.8	71.8	70.5	72.3	74.0	72.5	71.8	69.5	71.8	72.8	75.0	73.3						146.2
RADIAL 17. FT.	80	63.6	56.6	66.1	63.8	64.1	67.4	71.9	73.1	73.1	74.1	71.6	70.9						135.1
(3. 4)	100	73.4	73.1	71.4	68.9	67.4	63.1	70.1	71.6	72.6	72.9	73.1	71.4						135.1
VEHICLE UTHSIN	125	82.7	82.7	80.4	78.7	79.9	73.2	76.2	76.7	75.9	74.7	73.9	73.7						130.8
GENFIG	160	89.9	83.4	78.9	80.4	80.9	76.6	77.6	77.2	75.4	73.9	72.9	71.9						131.0
LCC SCHEVECTADY	200	82.8	84.3	83.0	81.7	81.5	81.0	83.5	80.8	79.3	77.0	74.5	72.7						133.4
DATE 25-06-75	250	85.3	88.8	87.5	86.2	85.5	83.7	82.7	82.5	82.7	81.3	79.3	76.5						128.9
BLA 2/17	315	93.6	91.0	89.7	83.2	87.7	85.0	83.0	81.5	80.5	79.5	77.2	75.5						127.8
TAPE X00030	450	87.9	86.4	87.1	86.9	85.9	84.7	83.1	81.6	79.4	78.4	75.6	73.1						126.9
EAR 29.6 HG	550	87.8	88.8	88.3	87.3	87.1	84.3	83.5	81.3	80.1	78.8	76.6	73.6						127.0
(99520: 1/42)	630	91.7	92.7	92.4	91.2	90.2	88.5	85.9	83.9	81.5	79.5	76.2	73.7						126.2
TAMB 521 DEG F	800	93.8	94.3	93.5	92.5	91.8	89.6	87.5	85.0	82.5	80.5	77.3	74.5						121.5
(234: DEG K)	1000	93.2	91.4	91.9	92.0	90.7	88.8	85.9	83.6	81.4	79.2	76.5	72.9						120.3
TNET 501 DEG F	1250	93.8	91.8	91.7	91.3	90.8	89.1	86.2	83.7	80.8	79.3	75.5	72.5						120.2
(283: DEG K)	1600	91.1	90.9	89.6	83.7	85.4	86.7	84.6	81.4	78.6	77.2	74.6	71.4						118.1
HACT 0. GM/MS	2000	88.9	90.2	89.2	88.1	83.1	86.8	84.1	81.3	77.7	76.3	73.7	71.5						117.7
(1: KG/MS)	2500	98.9	99.1	100.6	97.8	93.3	98.7	97.8	93.0	89.7	88.0	84.4	80.4						120.8
MFA 8925 RPM	3150	91.2	91.7	90.6	92.1	92.3	92.3	90.8	85.3	82.7	80.8	78.4	75.2						122.3
(934: RAD/SEC)	4000	88.8	90.3	89.3	90.4	91.6	91.5	90.5	87.1	83.2	81.0	78.1	76.2						121.6
SFK 2990 RPM	5000	93.3	95.3	94.8	95.4	97.1	97.3	93.8	94.3	90.6	86.5	85.9	82.4						128.2
(941: RAD/SEC)	6300	95.0	95.3	94.4	94.9	95.1	94.2	93.4	89.8	84.8	82.1	80.4	78.2						125.0
SFD 11517 RPM	8300	94.0	96.8	97.2	97.4	99.3	97.5	96.2	93.7	87.7	85.3	82.7	81.1						125.3
(1236: RAD/SEC)	10000	94.9	95.9	96.5	96.5	99.1	98.2	97.8	94.3	88.4	84.6	82.7	80.3						126.0
RC: CP BLADES 18	12500	92.9	93.9	94.3	96.2	97.7	97.5	96.8	93.8	88.0	83.2	81.4	79.4						126.0
FAN TIP SPEED	16000	93.3	92.1	93.3	94.0	95.8	96.1	94.3	89.5	84.7	80.0	78.3	76.0						126.1
779. FT/SEC	20000	93.6	91.6	92.5	94.2	95.7	94.6	93.6	87.5	83.0	78.8	75.4	73.3						125.8
	25000	93.0	93.8	91.7	93.8	95.1	93.9	91.8	87.1	80.2	73.0	71.0	70.1						125.5
	31500	90.3	91.6	91.1	92.1	93.8	92.6	90.5	84.2	76.3	71.6	67.7	67.0						125.1
	40000	89.1	90.1	90.4	90.7	91.6	90.6	88.9	81.7	77.0	68.5	64.0	64.2						124.7
OVERALL MEASURED																			
OVERALL CALCULATED		106.0	106.9	107.2	107.2	108.0	107.4	106.5	102.8	98.4	95.4	93.3	90.7						128.3
PNOB		129.1	119.7	120.2	118.8	119.2	118.9	118.3	114.8	111.2	108.8	106.5	103.6						

Run 2/Reading 17

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 75 DAY 0 HR: 0:0

SPL INPUT AT STU	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG. F, 20 PERCENT REL. HUM, DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0	10	20	30	40	50	60	70	80	90	100	110
		(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	90	42.9	49.1	54.9	58.0	59.3	57.7	55.0	56.7	55.3	54.2	52.8	
	63	46.1	52.7	55.9	55.3	59.6	60.4	51.4	60.6	53.2	55.8	53.4	
SIDELINE 500 FT	80	49.8	56.6	60.0	62.0	62.1	62.4	62.9	63.6	62.5	59.9	56.9	
(152.40 M)	100	51.4	58.3	61.6	64.0	63.1	62.4	61.7	61.2	60.4	55.0	55.7	
NFA 2514, RPM	125	49.0	55.2	59.9	61.8	62.3	62.3	61.7	59.9	59.1	56.2	53.2	
(263, RAD/SEC)	100	47.6	55.5	59.9	62.7	62.4	62.5	61.1	60.4	55.3	56.9	53.4	
NFK 2532, RPM	250	50.7	59.4	63.4	65.5	65.3	64.7	63.5	61.6	59.7	56.3	53.3	
(265, RAD/SEC)	250	51.4	59.9	64.3	66.7	66.6	66.0	64.4	62.4	60.6	57.2	53.9	
NFD 3244, RPM	315	47.7	57.7	63.3	65.3	65.5	64.1	62.7	61.1	59.0	56.1	52.1	
(340, RAD/SEC)	400	47.0	56.8	62.1	65.0	65.5	64.2	62.6	60.2	58.6	54.9	51.4	
AIRFLCN RATIO	500	45.1	54.0	59.0	62.8	62.8	62.2	60.1	57.8	56.5	53.3	50.0	
WF/PM 12.00	630	43.3	52.9	57.9	61.5	62.6	61.5	59.6	56.6	55.6	52.6	49.8	
	800	50.8	63.4	67.0	71.2	74.1	74.8	71.0	66.3	66.8	63.0	58.5	
VEHICLE UTHSIM	1000	41.9	54.6	60.7	64.8	67.3	67.5	63.5	61.0	59.2	56.7	52.9	
GCNFIG	1250	38.8	51.3	58.3	63.5	66.1	66.8	64.5	61.1	59.2	56.1	53.6	
LCC SCHENECTADY	1600	41.6	54.5	62.4	65.3	71.2	74.5	71.7	68.4	64.2	63.4	59.3	
DATE 05-08-75	2000	39.1	52.8	61.0	65.7	67.5	68.7	66.2	61.9	59.4	57.5	54.6	
RUN 2/17	2500	38.0	54.2	62.6	69.2	70.4	71.0	69.7	64.4	62.0	59.4	57.1	
TAPE X00010	3150	33.0	51.5	62.3	68.0	70.2	71.9	69.7	64.4	61.0	58.8	55.7	
MAX TIP SPEED	4000	24.7	46.2	58.0	65.1	68.3	69.8	68.2	63.2	58.6	56.5	53.7	
779, FT/SQC	5000	19.4	43.6	54.9	62.5	66.4	66.9	63.5	59.5	55.1	53.1	50.0	
	6300	8.4	37.7	51.6	59.8	62.7	64.4	60.2	56.3	50.4	48.7	45.7	
	8000		28.9	46.3	55.2	58.9	59.8	57.0	51.1	44.3	42.0	40.0	
	10000		17.3	37.0	48.5	53.2	54.7	50.7	46.0	39.7	35.4	33.5	
OVERALL CALCULATED		60.0	69.5	74.7	78.8	80.7	81.7	79.3	76.1	73.8	71.2	67.9	
PN28		84.3	77.6	85.7	91.1	93.2	94.3	92.0	87.8	84.6	82.2	79.2	

Run 2/Reading 18

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (90 PERCENT REL. NUM, DAY) PROC. DATE - MONTH 62 DAY 0 HR. 0:0

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PHL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.		120.
RADIAL 17. FT.	30	65.8	70.17	70.33	70.52	70.70	70.87	71.05	71.22	71.40	71.57	71.75	71.92	72.10	104.3
(9. 1)	63	72.0	73.3	72.5	73.3	74.5	73.8	72.3	71.5	73.0	73.9	75.3	73.8	73.8	107.1
VEHICLE UTRSIM	130	75.4	75.6	73.4	71.1	69.5	69.9	72.1	73.5	74.6	75.4	75.4	73.9	73.9	106.6
CONFIS	123	84.7	84.7	82.4	80.3	81.7	80.4	77.9	76.2	77.9	76.4	75.9	75.9	75.9	107.4
LCC SCHEVECTADY	150	82.6	81.6	80.9	81.6	82.4	80.9	79.1	78.4	77.6	75.6	74.9	73.9	73.9	112.7
DATE 05-26-75	200	83.8	85.5	84.5	82.7	82.7	82.5	82.0	82.2	81.2	78.5	76.2	74.5	74.5	112.9
SUN 2/18	250	90.5	90.5	89.2	87.7	87.0	85.2	84.7	84.8	84.2	83.5	82.2	78.5	78.5	114.5
TAPE X00010	315	93.0	93.5	92.0	91.2	90.2	88.0	86.5	84.5	82.6	81.6	80.0	76.2	76.2	116.7
BAR 27.6 KG	450	91.1	91.4	90.1	89.2	88.6	88.2	86.4	84.5	82.6	81.6	79.1	75.1	75.1	120.3
(99823) N/Y2)	500	90.3	90.6	91.3	90.6	89.6	87.1	85.5	83.1	81.6	81.1	78.6	75.3	75.3	120.9
YAMB 521 DEG F	600	91.9	92.7	91.9	91.7	91.0	89.3	86.9	85.4	82.7	80.5	75.2	75.7	75.7	115.5
(284) DEG K)	1000	90.9	91.7	91.9	91.7	91.0	88.8	86.4	83.8	81.3	81.0	76.5	75.5	75.5	120.7
YMET 801 DEG F	1250	93.5	93.8	93.0	91.8	91.1	89.3	87.0	84.2	81.8	80.3	76.5	73.8	73.8	121.9
(283) DEG K)	1500	91.4	91.9	90.1	89.2	88.7	86.7	84.6	81.7	78.9	77.7	74.6	71.9	71.9	120.0
MACT C. 6H/43	2000	87.9	89.7	89.9	88.1	87.8	86.3	85.1	82.3	78.5	76.9	74.2	71.2	71.2	115.5
1. KG/H3)	2500	90.1	90.9	91.9	90.6	90.8	89.7	89.3	86.5	83.2	81.0	76.4	74.4	74.4	117.9
RFA 10311 RPA	3150	101.7	103.4	105.1	103.6	107.6	105.3	104.1	100.8	97.9	95.5	92.7	88.2	88.2	121.5
(1079) RAD/SEC)	4000	83.8	89.3	90.3	90.4	90.8	91.5	91.0	88.4	84.9	82.5	79.4	75.7	75.7	119.9
BPK 10376 RPA	5300	90.1	92.1	91.6	91.6	92.8	92.8	91.3	88.3	83.4	81.7	79.1	76.4	76.4	121.0
(1026) RAD/SEC)	6200	93.8	96.8	100.4	97.9	101.9	100.4	97.2	97.3	91.3	90.4	85.4	86.2	86.2	122.6
NFD 11517 RPA	8000	93.3	95.5	94.9	95.4	95.0	95.3	94.2	90.7	85.9	83.0	81.0	79.1	79.1	121.0
(1000) RAD/SEC)	10000	95.4	98.1	99.0	99.5	101.9	99.7	99.7	95.6	91.1	87.4	85.9	85.0	85.0	123.9
SC: OF BLADES 13	12500	93.9	93.4	96.3	98.0	101.0	99.5	98.1	94.8	90.3	85.2	83.6	81.6	81.6	130.8
FAN TIP SPEED	15000	91.6	92.8	94.3	95.3	97.8	95.9	97.3	92.0	88.7	83.0	81.8	78.8	78.8	129.8
899 FT/SEC	20000	93.4	91.9	93.5	95.2	95.7	98.8	96.3	91.0	87.5	80.8	79.4	76.0	76.0	128.7
	25000	89.0	90.8	92.2	94.6	95.3	95.4	94.3	90.1	84.7	80.8	75.0	72.4	72.4	127.7
	31500	89.8	90.6	90.9	92.3	94.1	94.1	92.3	86.7	83.1	76.4	71.9	69.5	69.5	126.9
	40000	86.8	88.6	89.1	90.2	91.9	91.6	92.6	83.7	81.8	72.7	66.0	56.2	56.2	126.1
OVERALL MEASURED															125.4
OVERALL CALCULATED		107.3	108.5	109.3	109.0	111.1	109.9	108.9	105.4	101.7	99.1	96.7	93.8	93.8	148.7
PNB		121.3	122.6	123.5	122.3	125.0	123.1	122.0	119.0	116.0	113.8	111.2	107.7	107.7	

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Run 2/Reading 18

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 01 DAY 0 HR. 00

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°
	50	44.2	51.1	56.1	59.5	58.8	59.2	59.3	58.9	57.1	56.2	54.8								
SIDELINE 5000 FT	63	47.3	54.2	58.9	59.6	61.1	61.9	63.4	62.3	59.7	57.3	55.1								
(152.40 M)	80	51.5	58.3	61.5	63.5	63.6	64.4	65.2	65.1	64.5	62.1	58.9								
RFA 2901, RPM	100	53.9	60.6	64.6	66.9	66.1	65.9	64.7	63.7	63.1	60.7	58.5								
(364, RAD/SEC)	125	51.0	58.2	62.1	64.6	66.0	65.6	64.7	63.2	62.3	59.7	58.2								
RFA 2923, RPM	140	47.4	53.8	63.1	65.2	64.7	64.7	62.9	61.9	61.5	58.9	55.1								
(386, RAD/SEC)	200	50.7	58.9	63.9	66.3	66.1	65.7	65.0	62.8	60.7	58.3	55.3								
RFA 3244, RPM	250	50.7	58.9	64.5	67.2	67.6	67.0	65.1	63.2	61.1	58.4	54.9								
(346, RAD/SEC)	315	49.0	57.7	63.0	65.6	65.5	64.6	62.9	61.1	59.5	55.6	52.1								
AIRFLOW RATIO	400	49.0	58.1	62.6	65.3	65.8	64.9	63.1	61.2	59.9	55.9	52.6								
VF/VM 12.00	500	46.1	54.5	59.5	62.5	62.8	62.2	60.3	58.2	57.0	53.6	50.5								
	600	44.0	52.5	60.4	66.2	66.5	66.7	64.9	62.1	60.1	57.3	52.8								
	800	35.1	43.0	52.8	60.5	60.7	61.1	58.9	56.6	54.3	51.3	46.3								
VEHICLE UTRSH	1000	40.0	52.3	59.0	63.3	66.3	67.7	66.1	63.3	61.0	57.7	54.5								
CONFIG	1200	40.5	52.6	59.5	64.8	66.3	67.6	65.7	61.4	59.9	57.1	53.8								
LCC SCHEMECTADY	1400	45.1	60.2	67.0	72.2	74.4	75.0	74.2	68.9	62.2	66.0	63.1								
DATE 05-05-75	2000	39.5	50.4	61.5	65.6	68.5	69.5	67.2	63.1	60.4	55.4	51.6								
RUN 2/18	2500	39.5	56.2	64.9	70.9	72.7	75.0	71.7	68.0	65.0	62.8	61.2								
TAPE X00010	3150	32.7	51.5	62.0	69.1	72.0	72.4	70.4	66.3	61.8	59.9	57.2								
PAN TIP SPEED	4000	23.7	46.5	57.4	65.5	70.0	71.1	68.7	64.2	59.7	57.3	53.5								
899, FT/SEC	5000	19.7	44.3	56.5	63.8	67.5	69.3	65.5	62.7	58.4	54.6	50.5								
	6000	8.2	38.0	52.8	60.1	64.3	65.7	63.1	58.6	52.0	49.0	45.4								
	8000		29.0	45.4	55.2	60.0	61.2	57.5	54.6	48.6	43.8	40.3								
	10000		16.6	36.5	47.9	53.5	56.2	51.5	50.9	42.2	37.0	34.0								
OVERALL CALCULATED		61.8	72.0	77.3	83.1	84.1	84.7	82.6	79.8	77.7	75.0	71.3								
PND		66.8	80.0	87.2	93.0	95.1	96.3	93.6	90.8	87.2	84.7	82.1								

Run 2/Reading 19

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY)

PROC. DATE - MONTH 07 DAY 0 HR. 0:0

SPL INPUT AT STW

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	50	66.3	70.1	66.8	69.8	72.1	72.8	72.3	70.1	69.1	69.8	69.6	68.1	174.1
	63	72.5	73.8	72.8	73.8	73.3	74.9	73.0	72.5	73.3	74.0	73.0	74.0	167.5
RADIAL 17. FT.	80	85.4	86.6	86.9	85.8	84.2	88.9	78.6	74.1	75.1	76.1	73.9	72.1	106.7
(5, 4)	100	76.4	76.4	74.6	72.1	70.1	70.5	72.9	74.4	75.4	76.1	75.9	74.8	158.1
VEHICLE UTHSIM	125	85.9	86.2	83.4	82.2	82.9	81.4	79.4	79.4	79.2	77.7	77.2	77.4	114.8
GCNF13	160	83.6	82.9	81.5	82.5	83.4	82.1	80.4	79.6	78.6	76.6	76.4	75.4	113.7
LCC SCHEVECTADY	200	85.5	87.3	86.2	84.7	84.7	84.0	83.7	83.4	82.7	80.2	78.0	76.2	118.6
DATE 45-06-75	250	92.0	91.5	90.7	89.2	88.5	88.7	89.2	88.0	85.7	84.7	83.0	80.0	120.1
SLN 2/19	315	93.5	94.5	93.2	92.2	91.2	89.0	87.0	85.0	83.7	83.2	80.7	79.2	121.5
FARE X00010	400	92.4	92.9	91.4	90.4	90.1	89.7	87.9	86.4	84.8	83.4	79.9	77.9	120.9
BA3 29.6 RB	500	91.1	92.1	91.5	91.1	91.3	88.6	86.3	84.3	83.2	81.8	79.8	77.1	122.4
199820, N/42)	630	92.4	93.4	92.7	92.2	91.7	89.8	87.7	86.4	83.5	81.2	79.2	76.9	121.5
TMB 521 DEG F	800	93.8	93.3	93.5	93.3	92.5	91.1	88.7	86.3	83.8	81.5	79.0	75.8	122.3
(284, DEG K)	1000	91.4	92.7	92.7	92.2	91.2	89.0	86.7	84.3	81.9	79.0	76.7	73.4	120.8
TMET 501 DEG F	1250	94.5	94.3	93.5	92.1	91.6	89.3	87.2	84.9	82.3	80.3	77.5	73.6	121.3
(283, DEG K)	1600	91.6	91.4	90.3	89.5	88.7	86.9	85.1	81.7	79.6	78.2	74.6	72.1	118.6
MACT 0. GY/M3	2000	87.7	89.9	89.2	88.6	88.1	86.8	85.4	82.3	79.0	78.0	74.7	72.2	118.1
KG/M3)	2500	89.4	89.6	90.1	89.3	91.0	91.0	89.1	85.8	82.2	79.7	77.9	73.2	120.7
SFA 1078, RPM	3150	104.9	105.4	105.1	104.5	103.1	100.5	100.6	101.6	99.9	95.8	94.7	88.2	130.9
(1139, RAD/SEC)	4000	90.8	92.3	92.3	92.9	94.3	93.8	93.3	90.1	86.7	83.7	81.9	78.9	124.3
SFK 10955, RPM	5000	90.6	92.3	91.8	91.9	92.3	91.8	91.9	88.6	84.6	82.9	79.6	77.7	122.7
(1147, RAD/SEC)	6300	101.3	100.0	101.2	100.9	100.4	100.7	99.2	96.8	92.1	86.1	85.9	84.4	131.1
SFD 11517, RPM	8000	94.0	94.5	94.9	95.1	95.3	95.0	92.9	90.9	85.7	83.0	80.4	78.1	125.4
(1206, RAD/SEC)	10000	96.6	96.4	96.5	101.0	103.9	99.9	98.0	95.3	91.1	88.8	85.4	83.3	125.4
RC: CF BLADES 18	12500	93.9	95.6	95.5	97.2	99.0	97.3	97.8	94.1	90.0	85.2	83.1	81.1	129.2
PAN TIP SPEED	15000	92.1	92.8	93.8	95.5	97.8	97.9	96.1	91.3	88.5	83.0	80.8	78.3	127.9
950, FT/SEC	20000	91.4	92.1	93.5	95.7	96.9	96.6	95.8	90.0	87.2	81.3	79.1	75.3	127.6
	25000	89.8	91.0	92.4	95.0	95.6	95.4	94.0	89.8	86.2	79.0	76.3	73.1	127.8
	31500	89.8	91.3	91.1	92.8	94.8	94.6	93.8	87.7	84.8	77.9	72.9	70.5	128.8
	40000	87.8	89.1	89.9	90.5	92.1	91.6	90.9	84.2	83.0	74.7	69.2	66.9	125.7
OVERALL MEASURED														
OVERALL CALCULATED		108.9	109.5	109.5	109.8	111.3	110.4	109.2	105.6	102.9	99.9	97.5	93.7	141.1
PNDB		123.2	124.0	123.7	123.4	125.4	124.1	123.0	119.6	116.9	114.0	112.5	107.8	

Run 2/Reading 19

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 07 DAY 3 HR, 0:9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG, F, 70 PERCENT REL; NUM, DAY)											
	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ.	0	10	20	30	40	50	60	70	80	90	100	110
(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
50	45.4	51.5	57.1	60.5	61.0	60.5	61.5	59.9	58.1	57.7	56.5	
63	49.1	55.9	58.9	61.6	62.6	63.6	64.4	63.8	62.5	59.1	56.9	
80	52.6	59.5	63.0	65.0	65.1	65.9	66.4	66.6	65.8	63.9	60.4	
100 (152.43 M)	54.9	61.8	65.6	67.5	67.1	66.4	65.2	64.5	64.1	61.5	59.5	
MFA 3044, RPM	52.5	59.5	63.4	66.1	67.5	67.1	66.4	64.9	64.1	60.4	57.9	
(321, RAD/SEC)	50.9	59.0	63.6	65.9	66.2	65.7	64.1	63.4	62.3	60.1	56.9	
MFK 3000, RPM	51.5	59.7	64.4	67.0	67.1	66.4	65.0	63.6	61.5	59.3	56.5	
(323, RAD/SEC)	50.7	59.9	65.0	67.5	68.1	67.2	65.6	63.6	61.6	58.9	55.1	
SFD 3244, RPM	49.0	58.5	63.5	65.8	65.5	64.9	63.4	61.6	59.8	56.4	52.6	
(340, RAD/SEC)	49.5	58.8	62.9	65.8	65.8	65.2	63.8	61.7	59.9	56.9	52.6	
AIRFLW RATIO	45.8	54.8	59.4	62.5	63.1	62.7	60.3	58.8	57.5	53.8	50.8	
WF/AM 12.60	43.0	52.9	58.4	61.5	62.6	62.7	60.6	57.9	57.1	53.6	50.6	
	41.3	52.9	58.5	64.0	64.4	64.1	63.8	60.8	58.5	56.5	51.2	
VEHICLE UTHSIM	55.7	67.1	73.2	80.5	81.5	82.2	79.3	77.2	74.2	73.0	65.9	
CONFIG	40.8	53.3	60.5	66.3	68.3	69.6	67.5	64.6	61.9	59.9	56.3	
LCC SCHENECTADY	38.6	51.5	58.9	63.6	65.7	67.3	65.4	62.2	60.2	57.1	54.6	
DATE 05-09-75	43.9	59.5	67.0	70.9	74.0	74.4	73.2	69.2	67.4	63.0	60.9	
BUN 2/19	35.8	52.0	60.4	65.2	67.9	67.8	67.0	62.4	60.0	57.2	54.1	
TAPE X30010	35.5	53.5	64.8	69.6	72.0	72.1	70.7	67.2	63.0	61.5	56.7	
FAN TIP SPEED	28.4	47.5	59.0	66.3	70.0	70.8	68.4	65.2	60.6	58.3	55.5	
950, FT/SEC	20.2	44.1	56.4	64.5	68.1	68.6	65.3	63.3	58.1	55.6	52.3	
6300	6.9	38.7	53.1	61.0	64.7	66.6	62.4	60.3	54.9	52.4	48.7	
8000		29.6	47.2	55.7	60.4	62.1	59.7	57.1	50.3	47.2	43.0	
10000		17.3	37.7	49.5	55.2	57.0	54.2	52.3	48.0	40.7	37.0	
OVERALL CALCULATED	62.6	71.9	77.6	82.9	84.3	84.8	82.5	80.3	77.6	75.7	71.1	
PNBB	67.2	79.8	87.7	92.7	94.9	95.2	93.5	90.5	87.9	85.0	81.5	

Run 2/Reading 20

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 93 DAY 0 HR: 0:0

MODEL SOUND PRESSURE LEVELS (90, DEG. F., 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.		
	50	83.5	69.8	65.8	67.5	71.8	72.8	72.3	70.1	69.3	69.3	69.3	68.1				104.9	
	63	73.5	74.0	72.5	74.0	75.5	74.8	72.8	72.8	74.0	74.5	75.5	74.0				107.5	
SACIAL 17 FT.	80	65.9	67.9	57.6	66.4	66.9	68.9	72.9	74.6	75.4	76.6	74.4	72.1				107.1	
(9, 4)	100	77.1	76.9	75.1	72.9	75.1	71.4	73.6	75.1	75.6	76.6	76.4	75.4				106.6	
VEHICLE UTWSIM	125	86.7	85.4	84.4	82.4	85.7	82.2	79.9	80.4	79.7	78.4	78.2	78.2				114.6	
SCAFIG	150	84.1	83.6	82.6	82.9	83.9	82.4	80.4	79.9	79.1	77.4	76.4	75.6				114.1	
LCC SCHENECTADY	200	85.0	83.3	87.5	85.5	85.5	85.2	84.0	85.0	83.5	81.0	79.0	77.2				117.5	
DATE 05-06-75	250	83.0	82.8	81.5	80.5	89.2	87.7	87.0	86.8	86.7	86.5	85.0	80.2				121.0	
SCA 2/20	319	85.0	85.8	84.5	83.2	92.2	90.0	88.2	86.0	85.0	84.2	82.5	80.5				122.5	
TAPE XJ0020	400	83.9	84.4	83.1	82.2	91.6	91.2	89.1	86.1	86.1	84.9	82.4	79.9				122.5	
BAR 29.6 HG	500	82.3	83.6	83.0	82.3	91.6	89.5	88.5	86.9	84.8	84.1	82.4	80.1				122.3	
(99520, N/42)	630	83.9	84.4	83.7	83.6	93.2	91.5	90.2	89.2	86.5	85.2	84.0	81.9				123.4	
TAMB 521 DEG F	800	84.0	84.3	84.2	84.0	93.5	91.6	90.2	87.8	84.8	82.9	79.8	77.0				123.2	
(284, DEG K)	1000	81.7	82.9	82.9	82.7	91.5	89.5	88.9	84.6	82.2	80.9	77.5	74.2				121.2	
THET 501 DEG F	1250	84.0	84.3	83.5	82.3	92.1	90.3	89.2	86.2	83.3	82.0	78.8	74.8				121.9	
(283, DEG K)	1600	81.4	81.1	80.3	80.0	89.7	87.2	85.8	83.4	81.4	80.2	76.1	73.4				119.3	
WACT 0. GM/M3	2000	88.4	89.9	89.2	88.1	89.6	89.8	88.9	87.1	83.5	81.8	78.5	75.7				120.5	
(1, KG/M3)	2500	80.4	80.9	89.6	89.6	89.8	89.7	89.8	87.3	83.4	81.7	78.9	75.7				120.6	
NFA 11451, RPM	3150	105.2	104.2	105.4	105.4	105.8	104.8	105.6	102.1	100.4	96.5	96.7	91.0				136.4	
(1195, RAD/SEC)	4000	87.5	87.3	98.1	98.1	98.6	97.8	93.3	95.1	92.9	89.7	89.1	83.7				129.2	
NFK 11535, RPM	5000	91.3	92.1	92.3	92.6	93.1	92.3	93.3	91.1	87.6	84.7	81.6	79.4				124.0	
(1208, RAD/SEC)	6300	98.3	100.3	101.2	101.2	100.9	99.9	99.2	96.3	91.8	88.6	80.1	83.9				131.0	
NFD 11517, RPM	8000	95.3	96.3	96.9	97.4	97.0	96.5	95.2	92.9	88.4	85.3	82.9	81.1				127.4	
(1206, RAD/SEC)	10000	87.4	88.9	98.8	101.3	103.9	100.7	99.3	96.6	92.6	88.9	86.2	84.5				131.2	
SC, CF BLADES 18	12500	84.1	85.1	95.3	97.7	95.7	98.3	96.3	93.8	90.0	85.2	82.9	80.9				128.7	
FAN TIP SPEED	16000	82.6	83.1	94.3	96.0	97.6	97.1	95.3	91.0	88.9	83.2	80.5	78.3				127.6	
1000, FT/SBC	20000	81.4	82.9	93.8	95.7	97.2	96.6	94.6	89.5	88.2	81.3	78.9	76.3				127.5	
	25000	80.5	81.3	92.7	95.3	96.3	95.4	93.3	89.3	85.2	78.8	75.3	73.1				127.0	
	31500	83.3	81.8	91.4	93.1	95.3	94.6	92.5	86.7	84.1	77.4	72.7	70.3				126.7	
	40000	88.6	89.8	89.9	91.2	92.4	91.6	90.6	83.9	83.0	74.7	69.0	66.7				125.8	
OVERALL MEASURED																		
OVERALL CALCULATED		109.4	109.7	110.1	110.6	110.8	110.8	109.9	106.4	103.9	100.9	99.4	95.5				141.3	
PWB		124.0	123.8	124.3	124.3	124.5	123.5	123.6	120.7	118.8	115.4	114.6	110.2					

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OF POOR QUALITY

Run 2/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 93 DAY 3 HR. 0:0

SPL INPUT AT STD	FREQ, (0,)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY)										
		10, (0,17)	20, (0,33)	30, (0,52)	40, (0,70)	50, (0,87)	60, (1,05)	70, (1,22)	80, (1,40)	90, (1,57)	100, (1,75)	110, (1,92)
		ANGLES FROM INLET IN DEGREE (AND RADIANS)										
		0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)
50	46,2	52,8	57,4	61,0	61,3	66,5	60,8	60,4	58,8	57,7	56,5	
63	50,1	57,2	59,6	62,3	63,9	63,9	65,7	64,6	62,2	60,1	57,9	
SIDELINE 500 FT	53,8	60,6	64,2	65,8	66,1	66,6	67,2	67,6	67,0	63,9	60,7	
(152.43 M)	56,1	63,1	66,6	68,5	68,1	67,6	68,2	65,7	65,1	63,2	60,7	
NFA 3225, RPM	54,0	61,2	65,1	67,6	69,0	68,3	68,2	66,7	65,8	62,9	59,9	
(338, RAD/SEC)	52,4	60,5	65,1	67,2	67,4	67,5	66,6	65,1	64,5	62,9	59,9	
NFK 3249, RPM	52,5	60,7	65,1	68,5	68,8	68,9	68,6	66,6	65,5	64,1	61,5	
(340, RAD/SEC)	51,4	60,6	65,8	68,5	68,6	68,7	67,1	64,6	62,6	59,7	56,4	
KFD 3244, RPM	49,2	58,7	64,0	66,1	66,3	65,1	63,7	61,9	60,3	57,1	53,3	
(340, RAD/SEC)	49,3	58,6	63,1	66,3	68,8	66,2	65,1	62,7	61,6	58,2	53,6	
AIRFLOW RATIO	500	45,3	54,3	60,3	63,5	63,3	63,5	62,1	60,6	59,3	55,3	52,0
WF/KM 12.60	630	43,6	52,9	59,9	63,0	63,6	66,2	65,4	62,4	60,9	57,4	54,1
	890	42,6	52,4	58,7	62,7	63,1	66,8	65,5	62,0	60,9	57,5	53,7
VEHICLE UTHS1H	1050	54,4	67,3	73,9	75,3	78,8	82,2	79,8	78,7	75,0	75,0	65,7
CONFIG	1250	45,8	59,0	66,0	73,5	72,3	74,6	72,5	70,9	67,9	67,1	61,1
LCC SCHENECTADY	1600	38,4	52,0	59,6	64,3	66,2	69,0	67,9	65,2	62,5	59,1	56,3
DATE 03/08-73	2000	44,1	59,5	67,2	71,4	73,3	74,4	72,7	68,9	65,9	63,2	60,4
RUN 2/20	2500	37,5	54,0	62,6	66,9	69,4	70,5	69,0	65,1	62,2	59,7	57,1
TAPE X00010	3150	36,0	53,8	65,1	69,8	72,7	73,1	71,9	68,7	65,2	62,3	59,9
PAN TIP SPEED	4000	25,9	47,2	59,5	66,1	69,0	69,3	68,2	65,2	60,6	58,0	55,2
1000, FT/SEC	5000	20,4	44,6	56,9	64,2	67,4	67,9	65,0	63,3	58,3	55,3	52,5
	6300	9,2	36,9	53,1	61,3	64,7	65,4	61,9	61,9	54,9	52,2	48,7
	8000		29,9	47,2	56,5	60,4	61,3	59,2	56,1	50,8	46,2	43,0
	10000		17,5	38,6	50,0	55,2	56,2	53,2	51,8	45,5	40,4	36,7
OVERALL CALCULATED		63,3	72,7	78,5	82,3	83,9	85,3	83,5	81,8	79,0	77,7	73,1
PND8		67,2	80,3	86,4	93,1	95,4	96,1	94,7	92,0	88,7	86,7	82,9

Run 2/Reading 21

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 98 DAY 0 HR. 0:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)												
	FREQ. (Q)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
50	45.9	52.9	57.6	61.3	62.5	63.7	65.8	68.4	69.6	70.4	71.2	71.8	72.3
63	51.1	57.9	60.9	63.1	64.6	64.9	66.2	67.1	67.4	67.9	67.0	64.1	61.2
SIDELINE 500 FT (152.43 M)	53.8	61.3	64.5	63.8	66.4	67.1	67.4	67.9	68.5	65.7	65.4	63.7	61.0
NFA 3259 RPM	56.1	63.3	66.2	65.7	68.1	67.9	68.5	68.2	66.9	65.8	62.9	60.9	58.9
(344, RAD/SEC)	53.1	61.0	65.6	67.9	67.7	67.7	66.1	65.1	64.0	62.1	58.9	57.8	56.6
NFK 3313 RPM	53.5	61.9	66.1	69.0	69.8	69.2	67.8	65.6	63.2	60.3	57.8	55.9	54.6
(347, RAD/SEC)	51.7	60.6	65.5	68.7	69.4	69.5	67.1	64.9	62.3	59.9	56.6	53.6	51.6
NFD 3244 RPM	49.2	58.7	63.8	66.3	66.3	65.4	63.9	62.1	60.3	57.1	53.6	51.2	49.2
(340, RAD/SEC)	49.5	58.6	63.1	66.5	67.0	66.7	65.6	63.7	61.9	58.4	54.9	51.9	49.5
AIRFLOW RATIO	45.8	55.3	60.5	64.0	65.8	65.2	63.3	62.3	60.3	57.3	53.5	50.6	48.2
WE/WM 12.60	42.5	52.9	58.9	63.0	66.1	68.0	65.9	65.4	62.6	58.4	55.6	52.8	50.2
VEHICLE UTHSIM	41.8	52.2	59.0	62.2	64.6	66.3	64.5	63.1	60.8	57.8	53.2	50.2	47.8
CONFIG	53.2	66.3	73.9	76.5	73.3	80.7	80.8	77.2	74.0	71.2	66.2	62.6	59.2
LCC SCHENECTADY	48.3	61.8	69.8	72.5	74.8	77.8	77.0	73.6	70.2	67.6	62.6	59.2	56.2
DATE 05-06-75	38.6	52.2	59.6	64.1	66.5	69.0	67.7	64.7	61.7	58.4	55.3	52.3	49.8
RUN 2/21	43.6	57.8	65.7	70.4	72.0	72.4	71.9	68.4	65.4	62.7	60.6	57.6	55.2
TAPE X5001Q	36.0	53.3	63.3	69.5	72.0	72.4	71.4	67.4	64.2	61.0	55.9	53.4	51.4
PAN TIP SPEED	25.7	47.2	58.5	63.3	67.8	68.5	67.4	63.7	59.9	57.0	54.2	51.2	48.8
1019, FT/SEC	23.2	44.1	56.4	63.7	66.9	67.4	64.8	62.8	58.1	55.1	52.3	49.8	47.8
6300	9.4	38.9	53.1	61.2	63.7	64.9	61.7	60.8	54.4	51.7	48.4	45.8	43.8
8000		29.9	47.5	53.7	59.7	61.3	58.7	56.1	49.5	45.0	42.0	39.8	38.0
10000		17.5	37.7	49.5	54.4	55.5	52.7	51.3	45.2	39.0	36.0	34.0	32.5
OVERALL CALCULATED	63.5	72.9	78.8	82.0	83.6	85.0	84.4	81.5	78.8	76.1	72.5	69.8	67.5
PNDB	66.9	80.0	87.8	92.9	95.1	95.8	94.6	92.6	88.3	85.3	82.4	79.8	77.8

Run 4/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 0 HR. -1.0

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F, 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.63)
	50		37.7	44.6	51.1	53.3	53.3	52.2	52.5	51.7	51.1	50.2	49.8				
	60		39.8	47.9	51.1	53.3	55.4	55.9	54.9	55.1	53.5	50.3	48.6				
SIDELINE 5.7 FTG	80		44.5	52.1	55.5	57.3	58.4	59.6	57.4	61.4	59.8	57.1	54.4				
(152.40 M)	100		47.6	55.1	58.6	61.1	59.9	60.1	57.5	59.7	58.9	56.7	55.0				
NFA 2267. RPM	125		43.3	51.5	56.6	58.8	59.3	58.6	55.4	55.9	54.8	52.4	50.7				
(237. RAD/SEC)	160		43.1	51.8	56.9	58.4	58.4	58.7	55.1	57.4	56.3	53.4	50.6				
NFK 2271. RPM	200		47.2	56.2	61.9	62.8	63.1	62.7	59.8	59.6	58.5	56.3	52.5				
(238. RAD/SEC)	250		47.2	56.4	61.5	64.2	65.1	64.5	61.1	61.6	59.8	56.9	54.1				
NFD 3244. RPM	315		44.2	54.2	59.8	62.6	63.0	62.6	58.5	60.4	58.3	54.4	50.8				
(340. RAD/SEC)	400		42.8	53.3	59.6	62.3	63.3	62.7	58.9	61.2	58.6	54.4	50.4				
AIRFLOW RATIO	500		43.5	52.6	61.4	63.7	65.4	66.1	61.6	63.9	62.1	58.7	52.1				
WF/WM 12.6	630		53.5	62.3	72.4	76.1	77.5	79.2	74.1	75.8	75.1	71.8	64.8				
	800		39.4	51.5	57.9	61.1	62.7	63.4	60.4	60.6	58.8	55.5	51.0				
VEHICLE UTNSIM	1000		39.1	51.3	58.5	62.1	64.2	65.0	61.5	62.3	61.3	57.2	52.5				
CONFIG	1250		45.3	58.6	66.1	68.8	73.8	72.3	68.7	69.9	66.9	64.9	59.1				
LCC SCHENECTADY	1600		41.3	55.4	62.7	66.2	67.9	68.3	64.2	64.2	62.2	59.7	56.1				
DATE 5-28-75	2000		46.2	54.7	63.6	67.5	69.1	70.1	64.3	66.2	64.0	62.0	56.7				
RUN 4/5	2500		37.7	52.8	62.5	67.3	69.5	70.3	66.1	67.3	64.6	61.9	56.6				
TAPE X00.20	3150		29.9	48.1	58.3	63.6	66.5	67.9	63.4	65.1	62.8	59.2	53.7				
FAN TIP SPEED	4000		21.3	42.8	53.9	61.1	63.0	63.4	60.7	62.0	58.5	55.3	50.0				
7 3. FT/SEC	5000		16.8	40.1	52.9	58.2	60.9	62.0	60.4	59.7	55.6	52.8	46.9				
	6300		5.2	34.5	49.1	55.1	57.8	59.0	58.7	55.9	51.5	49.2	43.4				
	8000			25.8	42.4	49.9	54.3	55.2	55.7	52.7	49.3	45.3	39.1				
	10000			14.1	33.7	43.2	47.8	51.7	52.4	49.6	44.7	40.8	33.5				
OVERALL CALCULATED			57.9	67.8	75.8	79.2	80.9	82.1	77.7	79.0	77.5	74.5	68.9				
PND8			64.1	76.1	85.1	89.3	91.4	92.2	88.5	89.3	87.1	84.1	78.7				

Run 4/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 43 DAY 0 HR. -1.

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (..)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																		PNL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.		
	50	66.6	67.3	67.1	67.8	69.1	70.3	69.8	72.3	67.1	68.1	67.6	66.8						102.3	
	63	73.3	73.0	73.0	75.0	75.0	75.0	72.5	72.6	72.0	74.5	75.5	75.0						107.8	
RADIAL 7. FT.	80	66.6	67.9	66.6	69.1	70.4	70.6	70.6	77.9	77.9	80.1	77.4	76.1						110.1	
(5. M)	100	67.4	67.9	67.1	65.6	63.9	65.4	67.9	75.0	70.9	71.9	70.6	69.4						103.2	
VEHICLE UTMSIM	125	76.9	76.9	75.4	73.7	73.4	72.2	70.9	72.2	71.7	70.9	70.2	71.4						105.9	
CCNF1G	160	77.9	76.4	75.4	76.1	76.6	75.1	73.4	74.1	71.9	70.9	70.6	71.6						107.4	
LGC SCHENECTADY	200	76.5	78.7	78.5	77.2	76.7	77.2	76.2	77.0	75.0	72.7	70.2	69.0						109.1	
DATE 5-28-75	250	84.5	84.0	83.2	82.0	81.5	80.7	81.0	81.2	80.2	79.5	77.0	74.5						114.0	
RUN 4/6	315	88.0	88.0	87.5	86.7	85.0	82.8	81.7	80.7	79.7	79.2	77.0	75.5						116.0	
TAPE X-20	400	84.9	84.6	84.4	84.4	82.6	81.9	80.6	79.1	76.4	75.4	72.9	71.9						113.6	
BAR 29.6 HG	500	85.1	85.3	85.0	84.8	83.6	81.8	80.3	79.6	78.3	77.1	74.3	71.8						114.2	
(00698. N/12)	630	88.8	89.0	88.9	88.5	86.0	84.4	83.5	80.7	78.7	76.5	74.2							118.0	
TAMB 87. DEG F	800	90.3	90.0	90.2	90.3	89.5	88.6	87.2	85.0	82.8	81.0	78.0	75.0						119.8	
(287. DEG K)	1000	88.3	88.4	88.7	89.0	88.5	87.8	86.2	84.4	81.7	80.2	76.0	73.4						118.7	
THET 91. DEG F	1250	88.4	89.0	89.7	89.6	89.1	88.3	86.5	85.0	82.8	81.0	76.8	72.8						119.4	
(264. DEG K)	1600	88.5	88.6	88.1	88.5	87.7	86.4	84.6	83.6	81.1	79.9	76.4	72.4						117.9	
MACT 0. GM/M3	2000	86.8	86.8	87.2	87.1	85.6	86.0	84.6	83.4	81.2	80.0	76.0	72.5						117.2	
(1. KG/M3)	2500	99.0	102.2	101.4	100.1	99.5	100.2	99.1	97.6	95.7	93.7	89.6	87.4						131.2	
NFA 8969. RPM	3150	91.8	94.2	94.1	93.1	92.6	92.8	92.1	90.4	87.9	86.5	82.2	79.2						124.0	
(939. RAD/SEC)	4000	88.2	89.7	89.6	90.4	89.8	88.8	88.5	87.3	84.4	82.7	79.6	75.2						120.6	
NFK 8986. RPM	5000	95.2	95.7	97.3	97.6	97.3	96.5	96.0	94.3	92.1	89.7	87.6	83.4						128.0	
(941. RAD/SEC)	6300	92.5	94.2	95.2	95.4	94.4	93.4	91.9	90.8	88.3	85.6	83.6	79.4						129.8	
NFD 11517. RPM	8000	95.9	97.7	97.8	98.5	97.9	97.1	96.3	94.8	92.3	89.4	87.5	82.7						128.7	
(1206. RAD/SEC)	10000	95.5	97.3	97.1	97.9	98.5	96.5	96.4	94.4	91.9	89.2	87.0	81.9						128.7	
NO. OF BLADES 13	12500	93.5	94.8	95.0	96.7	96.5	96.3	95.3	92.8	91.5	89.0	86.1	80.9						127.6	
FAN TIP SPEED	16000	92.4	92.6	92.8	94.3	94.3	94.6	92.6	91.3	89.7	87.2	84.3	79.3						129.9	
783. FT/SEC	20000	91.4	91.4	91.9	94.2	93.9	92.8	91.8	91.4	87.9	84.8	82.3	77.2						125.3	
	25000	89.9	89.8	90.9	93.3	92.6	91.7	90.5	88.5	85.7	82.5	79.3	74.4						124.6	
	31500	88.9	88.4	89.6	91.8	92.1	91.1	89.3	88.1	84.8	81.9	78.4	73.3						124.6	
	40000	87.6	86.9	89.1	90.0	89.6	89.1	87.6	87.1	84.3	79.7	75.2	70.4						124.3	
OVERALL MEASURED																				
OVERALL CALCULATED		115.6	107.2	107.2	117.5	107.2	106.7	109.7	104.1	101.9	99.8	96.7	93.0						138.4	
PND8		118.5	120.6	120.3	119.7	119.1	119.1	118.6	116.7	114.6	112.8	109.3	106.5							

Run 4/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 43 DAY 0 HR. -1.1

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)														
	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
(0.0)	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)
50	38.9	45.6	51.6	57.8	64.0	70.5	77.2	83.2	89.5	96.0	102.7	109.6	116.7	124.0	131.5
63	41.6	48.2	54.4	60.6	66.9	73.4	79.9	86.6	93.4	100.3	107.4	114.6	121.9	129.3	136.8
SIDELINE 5.0 FT	45.7	52.3	58.7	65.1	71.6	78.1	84.7	91.4	98.1	104.9	111.7	118.6	125.5	132.5	139.5
(152.4 M)	48.4	56.1	63.1	69.6	76.1	82.7	89.3	96.0	102.7	109.5	116.3	123.2	130.1	137.0	144.0
NFA 2926. RPM	44.3	52.5	57.4	63.6	69.8	76.0	82.2	88.4	94.6	100.8	107.0	113.2	119.4	125.6	131.8
(265. RAD/SEC)	44.1	52.5	57.4	63.6	69.8	76.0	82.2	88.4	94.6	100.8	107.0	113.2	119.4	125.6	131.8
NFK 2531. RPM	47.7	55.9	60.6	66.8	73.0	79.2	85.4	91.6	97.8	104.0	110.2	116.4	122.6	128.8	135.0
(265. RAD/SEC)	47.2	56.6	62.1	68.5	74.9	81.3	87.7	94.1	100.5	106.9	113.3	119.7	126.1	132.5	138.9
NFD 3244. RPM	44.7	54.5	60.3	66.1	71.9	77.7	83.5	89.3	95.1	100.9	106.7	112.5	118.3	124.1	129.9
(34. RAD/SEC)	44.3	54.8	60.4	66.0	71.6	77.2	82.8	88.4	94.0	99.6	105.2	110.8	116.4	122.0	127.6
AIRFLOW RATIO	42.9	52.5	58.8	65.1	71.4	77.7	84.0	90.3	96.6	102.9	109.2	115.5	121.8	128.1	134.4
WF/WP 12.61	39.8	50.9	56.9	62.9	68.9	74.9	80.9	86.9	92.9	98.9	104.9	110.9	116.9	122.9	128.9
8.0	53.9	64.2	69.2	74.5	79.8	85.1	90.4	95.7	101.0	106.3	111.6	116.9	122.2	127.5	132.8
VEHICLE UTHSIM	44.5	56.1	61.7	67.3	72.9	78.5	84.1	89.7	95.3	100.9	106.5	112.1	117.7	123.3	128.9
CONFIG	38.3	51.5	58.3	65.1	71.9	78.7	85.5	92.3	99.1	105.9	112.7	119.5	126.3	133.1	139.9
LCC SCHENECTADY	42.7	57.0	64.6	72.2	79.8	87.4	95.0	102.6	110.2	117.8	125.4	133.0	140.6	148.2	155.8
DATE 5-28-75	38.1	53.5	61.5	69.5	77.5	85.5	93.5	101.5	109.5	117.5	125.5	133.5	141.5	149.5	157.5
RUR 4/6	39.0	54.8	63.7	72.6	81.5	90.4	99.3	108.2	117.1	126.0	134.9	143.8	152.7	161.6	170.5
TAPE XCC-20	34.4	52.1	61.7	71.4	81.1	90.8	100.5	110.2	119.9	129.6	139.3	149.0	158.7	168.4	178.1
FAN TIP SPEED	25.7	47.0	58.5	69.9	81.3	92.7	104.1	115.5	126.9	138.3	149.7	161.1	172.5	183.9	195.3
783. FT/SEC	2.0	43.1	55.1	67.1	79.1	91.1	103.1	115.1	127.1	139.1	151.1	163.1	175.1	187.1	199.1
63.0	8.2	37.1	51.6	66.1	80.6	95.1	109.6	124.1	138.6	153.1	167.6	182.1	196.6	211.1	225.6
87.0	28.1	45.5	62.7	79.9	97.1	114.3	131.5	148.7	165.9	183.1	200.3	217.5	234.7	251.9	269.1
100.0	15.8	36.7	56.8	76.9	97.0	117.1	137.2	157.3	177.4	197.5	217.6	237.7	257.8	277.9	298.0
OVERALL CALCULATED	58.3	68.6	74.6	80.6	86.6	92.6	98.6	104.6	110.6	116.6	122.6	128.6	134.6	140.6	146.6
PNOB	64.6	77.4	85.7	94.0	102.3	110.6	118.9	127.2	135.5	143.8	152.1	160.4	168.7	177.0	185.3

Run 4/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 58 DAY 0 HR. -1.

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (3.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.						
		(0.)	(0.17)	(0.35)	(.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	39.4	45.8	51.9	54.1	54.5	53.5	54.5	54.4	54.3	53.9	53.5							
	63	41.8	49.4	52.9	55.3	57.1	57.9	59.4	58.3	56.0	53.6	51.6							
SIDELINE 500. FT	80	46.3	53.3	57.1	58.8	60.1	61.4	62.2	61.9	61.5	58.9	55.9							
(152.4 M)	100	49.6	57.6	61.3	62.7	62.1	61.9	61.7	61.5	60.9	59.2	57.0							
NFA 2912. RPM	125	45.8	53.5	58.4	60.8	61.8	61.8	61.2	59.2	58.3	56.2	54.2							
(305. RAD/SEC)	160	44.9	53.3	58.6	59.7	60.9	60.7	60.4	60.1	59.0	55.6	52.9							
KFK 2918. RPM	200	46.2	54.9	60.1	62.3	63.3	62.9	63.1	60.8	60.2	57.8	54.0							
(306. RAD/SEC)	250	46.4	55.4	61.1	64.1	64.9	65.5	64.4	63.1	61.1	58.4	54.9							
NFD 3244. RPM	315	44.7	54.2	60.3	63.3	64.8	65.1	64.6	62.6	61.5	57.4	53.8							
(340. RAD/SEC)	400	45.3	55.1	61.1	64.1	66.0	66.4	68.4	65.9	64.1	59.4	54.1							
AIRFLOW RATIO	500	40.4	52.1	58.5	62.1	63.6	64.2	63.7	62.6	61.5	57.3	52.8							
WF/W 12.6	630	45.2	56.3	63.6	66.2	68.3	69.2	69.5	66.8	66.6	63.3	58.8							
	800	56.9	69.1	77.3	78.1	79.7	79.6	82.2	79.6	79.6	76.3	71.8							
VEHICLE UTHS1M	1000	42.7	55.1	62.1	64.6	66.8	67.5	68.3	67.0	66.3	62.7	58.0							
CCNFIG	1250	42.1	54.3	61.8	65.1	67.1	67.8	67.0	66.6	65.2	62.1	57.1							
LCC SCHENECTADY	1600	47.1	59.7	67.1	70.7	74.4	74.5	74.1	71.9	71.7	69.2	63.6							
DATE 5-28-75	2000	39.7	53.7	61.9	65.7	68.1	68.9	68.6	67.2	66.0	63.7	58.0							
RUN 4/7	2500	40.2	55.3	65.2	69.1	71.0	72.1	71.3	69.8	69.6	66.4	60.1							
TAPE XC1720	3150	33.9	51.5	61.5	66.1	68.8	69.4	69.1	68.1	66.5	64.7	58.7							
FAN TIP SPEED	4000	25.6	46.5	57.9	63.2	66.2	66.1	66.1	65.7	63.5	62.5	56.0							
9 3. FT/SEC	5000	22.1	44.7	57.4	62.7	64.9	65.0	65.6	65.2	62.6	61.8	55.2							
	6300	17.7	39.1	53.8	59.3	62.3	62.7	62.9	61.4	58.7	59.5	52.2							
	8000		30.1	46.9	54.4	59.0	59.7	60.7	59.4	56.6	56.3	49.1							
OVERALL CALCULATED	10000		18.8	38.2	48.2	52.0	54.7	55.6	55.4	52.2	51.6	44.3							
PND8		60.1	71.3	79.1	80.9	82.9	83.1	84.4	82.3	81.8	78.9	74.1							
		66.8	79.8	88.3	91.1	92.4	94.1	94.7	92.4	91.6	88.9	83.8							

Run 4/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 PROC. DATE - MONTH 71 DAY U HR. -1.7
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STN	0.	15.	27.	39.	49.	57.	64.	70.	75.	80.	85.	90.	95.	100.	110.	120.	135.	150.	PHL
FREQ. (..)	(.17)	(0.35)	(.52)	(.7)	(.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)	(2.8)	(2.97)	(3.14)	
53	66.6	67.6	67.6	68.1	69.3	70.6	69.3	67.3	66.1	67.1	67.6	67.1							101.7
63	74.3	74.3	74.5	76.3	76.3	76.5	73.8	72.8	73.3	74.8	76.3	75.3							108.6
80	67.9	69.6	68.4	71.1	71.9	71.9	76.4	78.4	78.9	81.1	78.9	76.9							111.1
RADIAL 7. FT.																			113.1
(5.4)																			103.6
VEHICLE UTNSIM	1.7	68.1	68.1	67.4	66.1	63.9	65.4	67.6	71.1	71.9	72.6	71.4	70.1						106.4
CCNFIC	125	76.7	77.2	75.7	74.2	73.9	72.4	71.2	71.2	72.2	71.9	71.9	73.2						108.2
LCC SCHENECTADY	160	77.6	76.9	76.4	76.9	76.4	75.4	74.8	73.9	72.9	72.9	73.1	73.4						111.5
DATE 5-28-75	200	79.7	81.7	80.2	79.2	79.2	79.5	79.2	79.5	77.5	75.7	73.5	71.5						114.9
RUA 4/8	250	85.2	84.7	84.2	83.7	82.7	82.7	82.7	82.7	81.5	81.5	81.5	78.7						115.9
TAPE X00020	315	88.7	88.5	87.5	86.5	84.5	82.3	81.7	81.7	79.7	79.5	77.2	75.7						115.9
BAR 29.5 HG	4.0	85.7	85.1	85.1	85.2	84.4	83.9	82.9	81.4	78.6	77.9	75.6	74.6						115.3
(CC698. M/M2)	500	84.9	85.8	85.3	85.3	83.0	83.1	81.8	81.8	79.6	78.3	76.1	72.8						119.0
TAMB 55. DEG F	630	86.8	87.5	87.2	87.7	86.7	85.5	83.7	82.7	80.0	79.7	76.7	74.2						116.7
(286. DEG K)	800	88.1	87.8	87.7	88.5	88.7	87.6	86.3	84.5	82.0	81.7	77.5	74.5						118.5
TWET 49. DEG F	1000	88.8	88.2	88.9	89.1	89.2	87.5	85.9	84.7	82.7	81.7	77.5	73.7						119.1
(283. DEG K)	1250	85.9	87.3	88.5	89.6	89.3	89.6	88.5	86.7	87.0	84.5	80.5	77.0						120.6
HACT 1. GM/M3	1600	86.2	86.9	86.8	86.7	85.2	84.7	83.6	82.8	81.9	81.7	77.9	72.9						116.7
(. KG/M3)	2500	86.3	87.8	89.9	91.4	91.1	88.6	86.9	85.2	84.2	81.8	77.7	73.2						120.1
NFA 1.727. RPM	3150	105.5	105.7	105.9	107.1	106.1	107.5	105.1	101.8	100.7	98.8	96.9	92.2						122.5
(1123. RAD/SEC)	4000	92.7	93.5	93.1	93.6	93.8	93.3	91.5	88.8	87.9	87.7	83.6	79.4						127.6
NFK 1.769. RPM	5000	92.0	93.7	92.8	93.6	92.8	91.5	89.7	87.6	86.7	83.9	78.9							124.0
(1127. RAD/SEC)	6300	99.0	99.7	99.4	99.4	98.4	96.9	97.7	96.3	94.3	92.9	90.1	85.9						123.5
NFD 11517. RPM	8000	93.4	94.2	93.5	94.5	93.6	92.6	91.3	89.1	88.0	87.1	84.5	80.4						129.0
(1266. RAD/SEC)	10000	97.5	98.1	97.9	98.4	98.1	96.7	94.9	93.6	91.4	91.7	88.7	83.6						126.5
NO. OF BLADES 18	12500	95.5	95.6	95.5	96.7	95.2	94.8	93.1	91.3	90.3	88.2	87.1	81.9						128.4
FAN TIP SPEED	16000	93.6	93.4	93.3	94.7	93.2	92.9	91.1	89.3	88.2	86.2	84.5	80.3						126.5
936. FT/SEC	20000	93.9	93.4	93.7	94.9	93.6	92.5	91.0	89.6	87.7	85.3	83.1	80.2						124.9
OVERALL MEASURED	25000	92.7	92.6	92.7	94.7	93.1	91.2	89.5	88.1	85.9	83.3	83.2	77.9						124.9
OVERALL CALCULATED	31500	91.4	91.6	91.4	92.1	92.1	90.6	88.8	86.6	85.6	82.9	81.7	76.3						124.7
	40000	89.7	89.1	90.6	91.7	91.1	89.1	87.1	85.3	84.5	81.0	81.0	74.9						124.6
		108.7	109.7	109.7	109.9	111.1	109.4	107.8	105.7	103.7	102.0	99.9	95.5						140.4
		122.9	123.3	123.3	124.3	124.6	123.9	122.0	119.3	116.2	116.6	114.4	110.2						

Run 4/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 71 DAY 0 HR. -1.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ. (0.17) (0.35) (0.52) (0.7) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.1) (2.28) (2.46) (2.64)	39.4	46.6	51.4	54.7	54.3	54.2	54.8	54.2	54.3	54.4	54.3	54.3	54.3	54.3
SIDELINE 500 FT: (152.43 M)	63	42.8	49.9	53.4	56.1	58.1	59.1	61.1	58.6	56.2	54.6	52.1	50.1	48.1
NFA 3021 RPM (316 RAD/SEC)	129	45.8	53.3	56.7	58.5	60.4	61.6	62.4	62.4	61.5	59.9	55.9	53.9	52.9
NFK 3133 RPM (318 RAD/SEC)	290	44.8	53.2	56.1	6.3	61.5	62.1	61.4	59.2	58.6	56.2	54.7	52.7	51.7
NFD 3244 RPM (341 RAD/SEC)	400	44.6	52.8	57.9	59.4	60.7	62.7	62.6	59.9	58.8	56.4	52.6	50.6	48.6
AIRFLOW RATIO WF/W 2.0	630	45.5	54.2	59.1	61.7	62.8	62.4	61.8	61.1	59.2	56.8	53.8	51.8	50.8
VEHICLE CONFIG LOC DATE RUN TAPE	1250	44.9	54.1	6.3	63.0	64.6	64.5	63.0	61.9	61.1	57.4	53.9	51.9	50.9
UTHSIM 1250	1600	44.5	54.7	61.3	63.8	64.3	64.1	63.8	62.4	61.8	57.1	52.8	50.8	49.8
SCHENECTADY 5-28-75	2500	42.5	53.6	61.4	63.5	66.1	66.4	65.4	66.4	64.1	59.9	55.9	53.9	52.9
4/8 2500	3150	41.1	51.3	57.7	59.7	60.8	61.2	61.5	61.1	61.1	57.1	53.5	51.5	50.5
X10020 4000	5000	41.8	53.6	61.1	63.5	64.6	64.2	63.5	63.1	62.9	56.6	51.6	49.6	48.6
936 FT/SEC 6300	10000	43.6	54.4	61.5	64.7	66.6	66.6	66.5	65.5	65.5	60.5	56.5	54.5	53.5
OVERALL CALCULATED	PNDR	59.1	56.7	54.7	55.7	56.5	57.3	56.7	65.9	65.2	61.6	56.8	52.8	50.8
		76.1	77.6	82.1	83.8	83.5	82.7	81.4	79.9	77.5	72.6	68.6	64.6	62.6
		78.7	86.9	91.2	93.2	93.2	92.5	91.5	91.2	87.5	82.5	78.5	74.5	72.5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM., DAY) PROC. DATE - MONTH 03 DAY 0 HR. -1.7

SPL INPUT AT BTU	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PNL	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.		0.
FREQ. (.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
90	67.1	67.8	67.3	67.6	69.3	70.3	69.3	67.1	66.1	67.1	67.3	67.1						101.6
63	74.3	73.8	74.3	75.8	75.8	76.5	74.0	73.3	73.8	75.0	75.5	75.3						100.5
RADIAL 17. FT.	80	68.6	69.6	68.6	70.1	71.9	71.9	76.4	78.1	78.6	80.9	78.4	77.1					110.9
(5. M)	100	67.1	66.6	66.4	64.6	63.2	64.6	67.1	69.4	70.3	71.6	70.6	69.4					102.6
VEHICLE UTNSIM	125	76.2	76.4	75.2	73.4	72.9	71.4	73.4	76.9	71.9	71.9	70.9	73.2					105.8
CONFIG	160	77.6	76.9	76.4	77.1	76.6	75.1	73.9	73.9	72.6	72.9	72.9	73.4					108.1
LOC SCHEMECTADY	200	80.0	81.7	82.5	81.2	81.2	80.2	80.5	80.5	80.0	75.2	72.7	71.5					112.4
DATE 5-28-75	250	84.7	84.7	83.7	82.5	81.5	81.2	81.5	81.7	80.7	79.7	77.5	75.0					114.4
RUN 4/9	315	86.3	86.2	85.2	85.1	82.7	81.3	80.2	80.0	78.5	78.2	75.7	74.7					114.3
TARE X00020	400	83.2	83.6	83.1	83.4	82.9	82.9	81.1	80.1	77.6	77.4	75.1	74.1					113.8
BAR 29.8 HG	500	82.9	83.3	83.3	83.6	83.1	82.1	81.0	80.6	78.3	76.6	74.1	71.3					113.0
(00698, N/M2)	630	82.7	82.5	82.7	82.7	82.2	81.5	79.9	79.2	77.0	75.2	72.7	70.4					112.9
TAMB 55. DEG F	800	80.6	80.0	80.2	81.5	81.6	80.6	79.5	80.9	78.0	75.8	71.5	70.3					112.3
(286, DEG K)	1000	80.8	81.2	80.7	82.0	81.5	81.3	80.9	79.7	77.7	78.5	74.0	71.9					113.0
THET 49. DEG F	1250	85.9	85.8	82.5	83.1	82.3	83.6	84.7	86.7	82.5	79.8	77.3	73.8					116.4
(283, DEG K)	1600	84.0	83.9	83.3	83.5	82.4	81.9	81.6	82.6	79.9	81.2	77.1	72.6					114.4
MACT 0. GM/M3	2000	87.6	88.3	88.2	86.6	84.8	83.3	83.1	82.7	82.7	81.8	78.0	74.5					116.9
(, KG/M3)	2500	89.7	90.4	91.6	91.6	88.8	87.2	86.6	87.1	84.7	84.5	80.9	76.9					120.5
NFA 11022. RPM	3150	101.8	104.5	102.1	101.9	101.6	98.3	98.8	98.4	96.4	95.5	91.9	88.7					131.9
(1154, RAD/SEC)	4000	91.7	93.7	92.6	91.9	91.6	90.0	90.5	88.3	86.9	85.5	82.9	78.9					122.6
NFK 11065. RPM	5000	93.2	93.5	92.3	91.4	91.1	89.3	88.5	86.5	85.1	83.7	81.6	76.7					120.8
(1158, RAD/SEC)	6300	95.7	96.5	95.9	95.7	95.1	94.4	91.9	90.8	89.1	88.4	86.4	81.4					120.8
NFD 11517. RPM	8000	91.4	91.7	91.5	91.5	91.9	89.9	88.3	87.6	84.8	84.1	82.5	78.2					121.7
(1206, RAD/SEC)	10000	94.2	94.8	93.9	94.4	93.5	92.3	90.9	88.6	87.4	86.5	85.0	80.6					124.3
NO. OF BLADES 18	12500	92.5	92.6	91.6	92.2	91.7	90.5	89.1	87.1	86.0	84.2	83.6	78.6					122.7
FAN TIP SPEED	16000	91.4	90.9	90.7	90.5	91.1	89.4	87.3	84.8	84.0	82.2	81.5	77.0					121.5
962. FT/SEC	20000	90.9	90.4	89.9	91.7	91.4	89.0	87.0	85.4	83.9	81.8	81.1	77.0					121.7
	25000	90.2	89.8	88.9	91.3	89.3	87.4	85.8	84.4	82.4	79.5	79.0	74.6					121.1
	31500	89.2	87.9	88.1	88.6	88.6	87.1	84.8	82.9	82.1	79.1	77.4	74.3					121.2
	40000	87.0	86.4	87.6	87.2	86.9	85.1	83.6	82.1	81.5	77.7	75.0	72.9					121.2
OVERALL MEASURED		105.6	107.7	105.6	105.6	104.6	103.1	102.5	101.6	99.9	98.8	96.2	92.7					136.8
OVERALL CALCULATED		119.8	121.6	120.1	119.9	118.7	117.7	117.0	116.4	114.6	113.7	110.6	107.4					

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OF POOR QUALITY

Run 4/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 03 DAY 0 HR. -1.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)													
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0.0)	(0.17)	(0.35)	(.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.28)
50		39.4	46.6	51.6	53.8	54.0	54.3	54.8	53.9	54.3	54.2	54.3		
63		43.6	52.2	55.4	57.1	58.9	60.4	63.6	59.1	56.5	58.8	52.1		
SIDELINE 500 FT (152.45 M)	1.0	46.6	53.8	58.3	59.9	59.6	61.1	62.2	61.6	61.8	58.4	55.4		
NFA 3125 RPM (325. RAD/SEC)	125	43.3	51.2	56.4	58.8	60.8	60.3	67.2	58.2	58.1	55.7	54.2		
NFK 3117 RPM (326. RAD/SEC)	250	42.1	50.8	56.1	58.7	59.7	60.0	60.4	58.6	57.0	54.4	51.1		
NFD 3244 RPM (340. RAD/SEC)	315	37.5	46.5	53.3	56.1	58.0	59.1	58.8	57.4	58.3	55.6	51.1		
AIRFLOW RATIO	500	38.1	47.8	53.8	56.3	58.1	59.2	59.5	59.1	59.5	56.3	51.3		
WF/KM 12.60	630	41.3	51.9	56.4	58.2	59.1	60.5	61.0	61.6	61.9	56.9	52.8		
800		42.1	54.4	61.7	61.7	62.6	63.6	65.1	63.3	63.3	59.5	55.0		
VEHICLE UTHSIM	1000	54.7	64.1	71.4	73.7	73.3	79.3	76.1	74.7	74.0	70.2	66.4		
CGNFIG	1250	42.3	53.5	59.8	63.5	64.6	66.8	65.7	64.9	63.7	60.9	56.3		
LOC SCHENECTADY	1600	36.8	50.0	57.4	61.3	63.2	63.8	63.4	62.7	61.5	59.1	53.6		
DATE 5-28-75	2000	40.4	54.3	61.7	65.7	67.6	67.2	67.2	66.2	65.7	63.5	57.9		
RLM 4/9	2500	33.0	48.6	56.7	61.8	62.8	63.1	63.6	61.5	61.1	59.3	54.2		
TAPE X0020	3150	31.9	48.9	58.2	62.4	64.3	65.0	64.7	63.5	62.8	61.1	58.0		
FAN TIP SPEED	4000	23.4	43.7	54.0	59.1	61.3	62.1	61.4	61.2	59.6	58.8	53.0		
962. FT/SBC	5000	18.3	40.4	51.4	56.7	59.6	59.9	58.8	58.8	57.3	56.3	51.0		
6300		7.2	35.1	48.1	54.5	57.2	57.8	57.8	57.2	55.4	54.4	49.4		
8000			26.1	42.5	49.5	52.4	53.1	54.3	53.4	50.8	50.0	44.5		
10000			14.3	33.5	43.3	47.7	49.0	49.4	49.8	47.2	45.2	40.7		
OVERALL CALCULATED		57.3	67.0	73.2	76.0	77.1	78.5	78.9	77.6	76.8	73.7	69.7		
PND8		63.4	75.2	82.5	86.0	88.0	88.6	88.8	87.6	86.7	84.4	79.6		

Run 4/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH OR DAY G HR. -1.

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)										ANGLES FROM INLET IN DEGREES (AND RADIANS)					PNL		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.		0.	0.
	50	65.8	66.3	66.6	66.3	66.6	68.1	66.6	65.6	65.1	66.3	67.1	66.8						100.1
	63	74.3	73.5	74.5	76.5	75.5	75.5	73.3	72.3	73.2	74.8	73.8	75.0						106.2
RADIAL 17. FT.	80	66.9	69.1	67.9	71.1	71.6	71.9	79.6	77.6	77.6	81.4	78.4	77.1						110.9
(5. M)	100	65.6	65.6	64.9	63.4	61.4	63.2	64.1	67.6	66.1	69.6	68.4	67.6						100.7
VEHICLE UTHSIM	125	74.7	74.9	73.9	72.7	71.4	70.2	69.9	69.7	71.2	71.4	70.9	72.9						105.0
CONFIG	160	76.9	76.1	75.4	76.1	75.9	74.4	73.4	73.9	72.1	72.1	73.4	73.6						107.6
LOC SCHENECTADY	200	80.0	81.7	83.2	81.5	81.1	80.5	81.5	87.2	77.0	74.5	71.5	70.0						112.6
DATE 09-28-75	250	81.2	80.7	80.2	79.7	78.2	77.7	77.7	78.7	77.2	76.7	74.7	72.5						111.1
RUN 4/1	315	82.3	82.2	82.0	81.0	79.7	77.5	77.5	76.7	75.2	74.5	72.7	72.0						110.7
TAPE X00 20	400	79.4	83.4	79.4	81.2	78.4	78.2	76.9	75.4	73.1	72.1	71.4	70.1						109.7
BAR 29.8 HG	500	74.9	74.8	74.0	73.8	72.1	72.1	71.5	75.8	70.6	69.1	66.6	65.6						104.5
(00698. N/M2)	630	71.5	72.5	71.9	72.1	71.5	72.8	71.9	71.7	71.0	69.7	66.7	65.9						104.3
TAMB 55. DEG F	800	72.3	73.5	72.7	76.8	75.5	77.6	76.7	79.5	78.8	77.3	72.8	71.0						110.4
(286. DEG K)	1000	80.3	81.4	82.9	81.7	81.2	81.9	81.7	78.9	76.4	75.5	73.7	70.4						112.7
TWET 48. DEG F	1250	84.4	84.8	85.7	85.1	84.3	85.1	84.0	81.7	79.3	78.1	75.0	71.3						115.7
(202. DEG K)	1600	83.2	84.1	83.6	82.2	81.9	80.2	79.6	80.8	78.9	77.9	73.4	70.9						113.3
HACT 1. GM/M3	2000	84.1	84.3	83.9	81.6	81.8	79.5	80.1	76.2	77.7	77.5	73.2	70.5						112.8
(1. KG/M3)	2500	86.7	89.9	87.1	87.3	85.5	85.2	84.1	84.3	82.2	81.5	77.6	73.7						117.4
NFA 11306 RPM	3150	97.8	98.7	98.6	98.6	96.3	95.3	93.8	92.4	93.2	91.5	88.2	84.5						120.0
(1184. RAD/SEC)	4000	91.5	91.2	91.1	91.4	89.3	87.0	86.3	85.3	84.7	83.7	80.6	76.2						119.9
NFK 1135 RPM	5000	87.2	88.5	86.1	86.4	85.6	84.8	82.5	81.3	80.1	78.7	77.4	72.4						116.4
(1188. RAD/SEC)	6300	91.5	92.5	90.4	91.4	91.4	89.4	86.9	85.6	84.8	83.4	81.6	77.9						120.9
NFD 11517 RPM	8000	88.4	88.9	87.5	88.7	87.1	86.1	84.3	82.7	80.8	81.4	78.5	74.2						117.9
(1206. RAD/SEC)	11000	91.5	91.8	89.1	89.9	89.7	87.5	86.4	84.4	82.9	82.3	80.5	76.1						119.8
NO. OF BLADES 18	12500	89.1	88.6	86.5	87.5	87.1	86.7	83.8	82.3	80.5	79.7	78.9	74.4						117.9
FAN TIP SPEED	16000	87.6	86.4	85.5	85.5	85.6	84.6	82.6	81.0	79.0	78.2	76.5	73.0						116.7
987. FT/SEC	20000	87.1	86.2	84.9	86.4	85.1	83.8	82.5	80.9	79.2	76.5	76.1	72.7						116.9
	25000	85.4	85.1	84.4	86.7	84.1	82.7	81.7	79.4	77.2	74.5	73.5	70.6						116.4
	31500	84.7	83.6	83.4	84.6	83.8	82.1	79.8	78.6	77.3	74.1	72.9	69.5						116.5
	40000	83.2	81.6	82.4	83.0	81.9	80.1	78.9	77.6	76.8	72.5	71.0	68.4						116.4
OVERALL MEASURED																			
OVERALL CALCULATED		111.9	102.2	101.8	112.1	101.4	99.5	98.1	96.9	96.4	94.6	92.5	89.3						132.0
PNDB		116.2	116.6	116.6	116.6	116.7	113.9	112.6	111.5	111.4	109.4	107.1	103.7						

Run 4/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 00 DAY 0 HR. -1.0

SPL INPUT AT STD	FREQ. (C.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89° DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50		38.7	45.6	50.6	53.0	53.3	53.5	54.8	53.4	53.6	54.7	54.5					
	63		43.6	52.9	55.6	56.8	59.1	61.4	67.9	58.1	55.7	52.6	50.6					
SIDELINE 500. FT	80		41.8	49.3	53.9	54.0	56.1	57.4	58.7	58.1	57.8	55.6	52.9					
(152.4 M)	100		42.6	50.6	54.3	55.2	55.6	56.4	56.2	56.0	55.4	53.5	52.2					
NFA 3185. RPM	125		43.2	47.5	53.1	54.3	56.2	58.1	55.4	53.7	52.8	51.9	50.2					
(333. RAD/SEC)	160		33.6	41.5	46.4	47.7	49.7	50.5	52.6	50.9	49.5	46.9	45.4					
KFK 3197. RPM	200		35.5	38.9	44.1	46.8	50.1	50.7	51.7	51.1	49.2	46.8	45.5					
(335. RAD/SEC)	250		30.7	39.1	48.5	51.5	54.6	55.2	58.9	58.6	57.3	52.7	50.4					
NFD 3244. RPM	315		37.7	48.7	53.7	54.8	58.5	59.9	58.1	56.1	55.3	52.6	49.6					
(340. RAD/SEC)	400		41.2	50.8	55.9	58.5	61.5	61.9	60.6	58.4	57.6	54.4	50.1					
AIRFLOW RATIO	500		38.4	48.7	52.5	55.8	56.3	57.2	59.5	58.1	57.3	52.6	49.5					
WF/W 12.60	630		37.3	47.6	51.4	54.2	55.3	57.5	57.5	56.6	56.6	52.1	48.8					
	800		41.6	49.9	56.5	58.5	60.6	61.1	62.4	60.8	59.3	56.3	51.7					
VEHICLE UTNSIM	1000		48.2	60.6	67.2	71.8	70.3	70.9	70.1	71.5	69.0	66.5	62.2					
CCNFIG	1250		38.8	51.0	58.3	61.3	61.6	62.6	62.7	62.6	61.2	58.6	53.6					
LCC SCHENECTADY	1600		34.8	45.7	53.4	57.1	58.7	58.3	58.2	57.7	56.5	54.9	49.3					
DATE 5-28-75	2000		36.4	48.8	56.5	61.9	62.8	62.2	62.2	61.9	61.7	58.7	54.4					
RUN 4/1	2500		31.2	44.6	53.2	57.7	59.0	59.1	58.3	57.5	57.3	55.3	50.2					
TAPE X80020	3150		27.9	44.1	53.7	57.9	59.6	60.5	59.7	59.0	58.3	56.6	51.5					
FAN TIP SPEED	4000		19.4	38.5	49.3	54.3	56.8	58.8	56.7	55.7	55.1	54.0	48.7					
987. FT/SEC	5000		13.8	35.9	46.4	52.2	54.9	59.1	55.0	53.8	53.3	51.3	47.0					
	6300		3.0	30.1	43.8	49.2	51.9	52.8	53.3	52.5	50.1	49.4	45.1					
	8000			21.6	38.2	44.2	47.7	49.1	49.3	48.1	45.8	44.5	40.5					
	10000			9.5	29.5	36.5	42.7	44.0	45.1	45.0	42.2	40.7	36.0					
OVERALL CALCULATED			53.1	63.8	69.9	73.2	73.8	74.3	74.2	74.3	72.5	70.1	66.2					
PND8			58.5	71.4	76.8	82.6	83.7	84.3	84.1	83.9	82.3	80.2	75.6					

Run 4/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 15 DAY 0 HR. -1.

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANIS)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANIS)										O.	O.	O.	O.	O.	PHL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.							100.
	30	65.8	66.3	66.1	66.3	65.8	67.6	66.1	65.1	64.8	65.8	67.1	66.8					99.9
	63	74.5	74.	74.8	76.3	75.5	75.3	73.0	72.3	72.8	74.5	75.5	75.0					100.1
RADIAL 17. FT. (5. 4)	80	67.1	68.6	67.4	69.4	71.6	71.9	76.1	78.4	78.4	80.6	78.1	77.4					110.8
VEHICLE UTMSIM	100	64.9	64.9	64.1	62.7	61.9	62.9	64.4	66.5	67.9	68.6	67.6	67.1					100.0
CONFIG	125	74.2	74.7	73.9	72.4	71.9	69.9	69.7	69.7	70.9	71.2	71.4	72.9					104.9
LCC SCHENECTADY	160	76.6	75.6	75.1	75.6	74.9	73.6	72.6	73.1	71.9	72.4	73.1	73.4					107.1
DATE 5-28-75	200	79.2	80.7	82.1	80.5	79.2	79.7	83.2	79.7	75.7	73.2	70.7	70.0					111.6
RUN 4/11	250	80.5	79.5	78.7	78.0	76.7	76.2	76.2	76.7	76.2	75.0	73.5	71.7					109.6
TAPE X20.20	315	80.5	80.7	80.	79.5	77.2	76.0	75.2	74.7	73.2	73.0	71.2	70.5					109.1
BAR 29.8 HG	400	77.9	78.6	77.4	77.7	76.6	76.4	74.9	73.4	72.4	71.6	69.9	69.6					108.0
(00698, N/42)	500	73.9	73.6	73.	72.3	71.6	69.8	69.8	70.3	69.8	68.8	66.6	65.3					103.4
TAMB 55. DEG F	630	71.8	71.0	69.9	69.5	69.7	70.3	70.7	72.2	70.0	68.2	67.0	66.4					103.4
(286. DEG K)	800	74.1	73.	71.2	74.8	76.5	79.6	79.2	85.3	77.8	75.8	72.6	71.0					110.8
THET 49. DEG F	1000	77.3	78.2	79.4	80.5	81.0	80.0	79.2	78.4	76.7	75.1	70.7	68.2					111.3
(283. DEG K)	1250	80.9	82.3	82.2	82.8	82.1	80.3	79.2	79.5	78.0	77.3	72.5	68.0					112.0
HACT GM/H3	1600	83.0	82.4	81.1	81.7	81.4	79.4	76.3	78.3	76.4	73.9	69.6	66.6					111.5
(120. KG/M3)	2000	83.6	83.	82.7	81.1	81.6	77.8	78.1	76.9	75.0	74.5	71.0	68.5					111.2
NFA 11417. RPM	2500	85.7	87.4	85.1	84.8	82.5	82.7	82.8	81.1	79.9	78.5	74.4	71.4					119.1
(1195. RAD/SEC)	3150	95.3	97.0	93.4	95.4	94.6	89.3	90.6	91.9	89.7	88.5	84.9	80.0					124.7
NFK 11461. RPM	4000	89.2	90.2	87.6	88.4	87.8	84.3	84.0	84.3	82.7	81.5	78.6	73.7					118.1
(1200. RAD/SEC)	5000	85.3	85.7	83.6	83.9	82.8	82.0	79.5	79.5	78.1	76.3	74.6	69.9					113.7
NFD 11517. RPM	6300	88.2	89.7	87.9	87.4	86.4	83.7	84.2	82.3	80.8	80.1	79.1	73.9					117.8
(1206. RAD/SEC)	8000	86.6	87.2	85.3	85.5	84.6	83.6	82.1	81.1	78.8	77.6	76.0	72.2					115.5
NO. OF BLADES 18	10000	88.5	88.3	86.9	86.9	85.7	84.0	83.6	81.4	80.2	79.2	78.3	73.9					116.9
FAN TIP SPEED 16000	12500	87.3	86.8	84.5	85.2	84.5	83.8	81.6	79.5	78.3	77.2	75.9	72.1					113.6
997. FT/SBC	25000	85.4	84.4	83.3	83.0	82.6	82.1	80.1	78.5	76.5	75.5	74.8	71.3					114.3
	31500	85.4	83.9	82.9	83.7	82.9	81.0	80.0	78.6	76.4	74.0	73.8	70.5					114.5
	40000	83.9	82.8	82.4	83.3	81.8	80.4	78.5	77.4	75.4	72.3	71.8	68.6					114.2
	50000	82.7	81.4	81.1	81.6	81.1	79.9	77.3	77.1	74.6	71.9	69.9	67.8					114.1
	63000	81.0	79.9	80.1	81.2	78.9	77.9	76.6	76.1	74.3	70.0	68.2	66.7					114.8
OVERALL MEASURED																		
OVERALL CALCULATED		99.8	100.7	98.4	99.2	95.4	95.9	95.5	95.5	93.7	92.6	90.2	87.0					
PNDB		114.1	115.3	112.7	113.8	113.0	109.6	109.9	110.4	108.6	107.4	104.4	100.4					129.4

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OF POOR QUALITY

Run 4/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE -- MONTH 10 DAY 0 NR. -1.0

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F; 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)
	90	38.2	45.3	50.1	52.7	52.5	52.7	54.6	53.2	53.8	54.4	54.3					
	83	42.6	51.7	54.6	56.1	58.4	60.1	60.4	56.8	54.5	51.8	50.6					
SIDELINE 500 FT	80	47.5	47.8	51.7	53.3	54.6	55.9	57.2	57.1	56.0	54.4	52.2					
(152.40 M)	100	41.1	48.6	52.8	53.5	54.1	54.6	55.0	54.0	53.9	52.0	50.7					
RFA 3216. RPM	125	38.3	45.5	50.6	52.6	54.3	54.1	53.4	52.9	52.3	50.4	49.7					
(337. RAD/SEC)	100	32.4	40.5	44.9	46.2	47.4	48.7	50.1	50.1	49.3	46.9	45.1					
RFR 3228. RPM	200	29.1	36.9	41.6	43.0	48.1	49.4	51.8	50.1	48.5	47.1	46.0					
(338. RAD/SEC)	250	30.2	37.6	46.5	51.5	56.6	57.7	59.6	57.6	55.8	52.7	50.4					
NFD 3244. RPM	315	34.5	45.2	51.8	54.6	56.8	57.4	57.6	56.4	54.8	50.4	47.3					
(340. RAD/SEC)	400	37.5	47.3	53.6	56.3	56.8	57.2	58.4	57.4	56.9	51.9	46.9					
AIRFLOW RATIO	500	36.6	45.5	52.0	55.3	55.6	54.0	57.0	55.6	53.3	48.8	45.3					
WF/W 12.60	630	36.1	46.4	49.9	54.2	53.6	55.5	55.3	53.9	53.6	49.9	46.8					
	800	39.1	47.9	54.0	55.5	58.1	59.8	59.1	58.5	57.3	50.0	49.5					
VEHICLE UTNSIM	1000	47.2	55.3	63.9	67.0	64.3	67.2	69.6	68.0	67.0	63.2	57.7					
CONFIG	1250	38.8	48.5	56.3	59.8	58.9	60.3	61.7	60.6	59.7	56.6	51.1					
LOC SCHENECTADY	1600	32.0	43.2	50.9	54.1	56.0	59.3	55.9	55.7	53.7	52.1	46.8					
DATE 5-28-75	2000	33.6	46.3	53.5	56.9	59.0	59.4	58.7	57.9	57.4	56.2	50.4					
RUN 4/11	2500	28.5	42.3	51.7	54.5	56.5	56.9	56.1	55.5	54.6	52.8	48.2					
TAPE X00020	3150	25.4	41.9	51.7	54.6	56.1	57.7	56.7	56.3	55.6	54.4	49.3					
FAN TIP SPEED	4000	17.7	36.5	47.0	51.8	54.5	54.6	54.2	53.4	52.6	51.0	46.5					
997. FT/SEC	5000	11.8	33.6	43.9	49.5	52.4	52.6	52.5	51.3	50.6	49.6	45.3					
	6300	7.7	28.1	41.1	47.0	49.2	50.8	51.1	49.7	47.6	47.1	42.9					
	8000		19.6	35.5	42.0	45.4	46.6	47.3	46.4	43.5	42.7	38.5					
	10000		7.3	26.5	35.8	40.4	41.5	43.6	42.3	40.0	37.7	34.2					
OVERALL CALCULATED		51.7	60.5	67.3	70.3	70.2	71.7	72.9	71.6	70.6	67.6	63.7					
PND8		56.8	67.8	76.1	79.6	80.6	81.7	82.4	81.2	80.1	77.9	73.2					

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 39 DAY 0 HR. -1.

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD

		0.	11.	21.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PHI
	FREQ.	(0.)	(0.17)	(0.35)	(.52)	(0.7)	(1.07)	(1.65)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	65.3	65.6	65.8	65.8	66.0	66.8	65.6	64.8	64.8	66.2	66.8	66.3						99.6
	63	74.3	73.3	74.3	75.8	75.3	75.3	73.3	72.8	73.3	75.0	75.8	75.0						108.2
RADIAL 17. FT.	80	67.4	69.1	67.1	69.4	72.1	72.4	76.4	78.6	78.1	81.1	77.9	76.9						110.6
(5. M)	100	64.6	64.4	63.9	62.2	61.7	62.7	64.6	66.6	67.1	67.9	66.9	66.4						99.3
VEHICLE UTMSIM	125	74.2	74.2	73.2	71.4	71.7	69.7	69.2	69.4	71.2	69.9	70.9	72.2						104.5
CONFIG	160	75.9	74.6	74.1	74.9	74.6	72.9	72.4	72.4	71.6	72.1	72.9	73.1						106.7
LOC SCHENECTADY	200	77.7	79.0	80.2	79.0	78.5	79.0	79.2	78.5	74.5	72.5	70.7	69.7						110.5
DATE 5-28-75	250	79.0	78.2	77.2	76.7	75.7	75.0	75.5	75.7	74.5	74.7	73.0	71.5						108.6
RUN 4/12	315	78.8	79.2	78.5	78.1	75.0	74.3	74.0	73.5	72.0	72.0	70.7	69.5						107.8
TAPE X00020	400	76.7	76.1	75.4	74.9	74.9	74.2	73.1	72.6	71.6	71.6	69.4	68.9						106.3
BAR 29.8 HG	500	72.6	72.6	71.8	71.6	69.8	69.3	69.5	70.3	69.3	68.8	66.3	64.6						102.8
(00698, N/M2)	630	72.3	71.5	69.7	69.2	71.0	70.5	70.7	71.5	69.7	68.0	66.5	66.7						103.1
TAMB 54. DEG F	800	74.8	76.0	71.7	75.3	76.0	79.3	79.5	78.0	77.5	76.8	72.8	72.5						110.4
(285, DEG K)	1000	76.5	78.4	79.2	81.7	81.5	80.3	78.9	77.9	75.9	74.5	71.0	68.7						111.2
TMET 48. DEG F	1250	78.9	81.3	80.5	80.1	79.3	79.1	79.5	79.2	77.8	75.5	72.0	68.3						111.9
(282, DEG K)	1600	84.5	84.6	83.3	82.5	79.9	77.9	80.1	77.8	75.7	72.4	68.4							112.3
HACT 0. GM/M3	2100	83.8	84.8	82.7	82.1	82.8	83.0	79.6	77.2	75.7	73.5	70.5	67.7						112.9
(1, KG/M3)	2500	83.5	86.4	84.6	83.6	81.5	82.2	81.3	79.8	78.7	77.2	73.6	70.4						114.0
NFA 11519. RPM	3150	93.8	94.2	91.1	93.6	93.6	90.5	88.6	88.4	87.9	87.0	85.2	79.0						123.2
(1276, RAD/SEC)	4000	88.5	89.2	86.3	88.1	88.1	85.3	83.5	83.1	81.9	81.2	79.4	73.9						117.8
NFK 11575. RPM	5000	84.0	85.2	82.8	82.9	82.3	81.5	78.5	78.3	76.6	75.7	73.6	69.2						113.0
(1212, RAD/SEC)	6300	87.0	87.7	86.4	86.4	84.4	84.7	81.9	80.8	79.6	78.4	76.9	72.4						116.8
NFD 11517. RPM	8000	85.1	85.7	84.5	85.2	83.9	82.6	81.3	78.6	77.5	76.4	75.0	71.4						114.6
(1206, RAD/SEC)	10000	86.7	86.6	84.9	85.6	85.0	83.3	82.6	79.9	78.2	77.2	76.8	71.9						119.6
NO. OF BLADES 18	12500	85.5	85.1	83.8	84.2	83.5	82.8	80.3	78.8	76.5	75.5	74.4	70.9						114.5
FAN TIP SPEED	16000	84.1	82.9	82.0	82.3	81.8	81.4	79.1	77.3	75.2	74.0	73.3	69.5						113.2
1006. FT/SEC	20000	83.6	81.7	81.4	82.7	81.6	80.3	79.5	77.1	74.7	72.3	72.1	69.0						113.2
	25000	82.2	81.1	80.4	82.0	81.6	79.7	77.3	76.1	73.9	73.3	69.8	67.9						112.9
	31500	80.9	79.6	79.4	81.3	81.1	78.9	76.5	75.6	73.6	71.1	68.7	66.5						112.8
	40000	79.5	77.4	78.6	78.7	78.1	76.6	74.6	73.6	72.0	69.0	66.7	65.7						112.4
OVERALL MEASURED																			
OVERALL CALCULATED		98.5	98.9	97.0	98.1	97.5	95.9	94.4	93.5	92.4	91.5	89.8	86.3						120.3
PNDB		112.8	113.5	111.1	112.5	112.1	110.2	108.6	108.0	107.3	106.3	104.4	99.7						

Run 4/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 39 DAY 0 HR. -1.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. FT. 70 PERCENT REL. HUM. DAY)												
	FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.17)	(0.35)	(.52)	(0.71)	(.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	(0.17)	(0.35)	(.52)	(0.71)	(.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
50	37.2	44.3	49.4	51.8	51.8	52.5	53.3	52.9	53.6	54.2	54.0		
63	40.8	49.9	53.1	55.3	57.6	59.1	59.1	55.6	53.7	51.8	50.4		
80	39.3	46.3	51.5	52.3	53.4	55.1	56.2	55.4	55.8	53.9	51.9		
SIDELINE 500 FT (152.42 M)	100	39.6	47.1	51.3	52.2	52.4	53.4	53.7	52.7	52.9	51.5	49.7	
NFA 3245 RPM (34. RAD/SEC)	100	35.8	43.5	47.9	51.8	52.0	52.3	52.7	52.2	51.3	49.9	48.9	
NFK 326 RPM (34.1 RAD/SEC)	200	29.5	36.7	41.4	45.3	47.8	49.4	51.1	49.8	48.2	46.6	46.3	
NFD 3244 RPM (34. RAD/SEC)	319	33.2	38.1	47.7	51.1	56.4	58.0	57.4	57.4	56.8	52.7	49.9	
AIRFLOW RATIO WF/WM = 2.63	633	34.7	45.0	52.3	55.1	57.0	57.1	57.1	55.6	54.3	50.6	47.8	
VEHICLE UTNSIM	1000	36.5	45.6	50.9	53.5	55.5	57.4	58.1	57.2	55.1	51.4	47.3	
CONFIG	1250	38.9	47.8	52.8	53.8	54.1	57.7	56.5	56.8	55.0	51.6	47.0	
LOC SCHENECTADY	1600	37.8	46.4	51.9	56.2	58.8	57.7	55.5	54.6	52.6	49.4	46.1	
DATE 5-28-75	2000	38.1	47.4	52.7	54.5	57.6	58.3	57.9	57.3	56.0	52.3	48.5	
RUN 4/12	2500	44.5	53.1	62.2	65.0	65.5	65.2	66.1	66.2	65.5	63.5	56.7	
TAPE X00020	3150	37.8	47.3	56.0	61.0	59.8	59.8	60.4	59.9	59.4	57.4	51.3	
FAN TIP SPEED	4000	31.5	42.5	49.9	53.6	55.5	54.3	55.2	54.2	53.5	51.1	46.1	
106 FT/SBC	5000	31.6	44.8	52.5	54.9	58.0	57.2	57.2	56.7	55.7	54.1	48.9	
6300	27.0	41.6	50.5	53.8	55.5	56.1	54.6	54.2	53.3	51.8	47.5		
8000	23.7	39.9	49.4	53.9	55.3	56.7	55.0	54.3	53.6	52.9	47.3		
10000	15.9	35.7	46.0	51.8	53.5	53.3	53.2	51.7	51.9	49.5	45.2		
OVERALL CALCULATED	1.000	17.3	32.4	43.1	48.5	51.6	51.6	51.3	50.0	49.1	48.1	43.5	
PNDB	50.3	59.1	66.1	69.5	70.4	70.4	70.9	70.4	69.5	67.4	63.1		
	55.1	66.3	74.9	79.7	80.1	80.9	81.3	79.8	78.8	76.8	72.0		

Run 4/Reading 13

09

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM. DAY) PROC. DATE - MONTH 55 DAY 0 HR. -1.

SPL INPUT AT 8TD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)											PWL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		110.
	50	65.6	65.8	65.3	66.1	66.6	67.1	65.6	64.8	65.6	66.3	67.6	67.3	99.9
	63	73.8	73.3	74.	75.5	75.7	75.5	73.3	72.3	73.0	75.3	76.3	75.5	108.3
RADIAL 7. FT.	80	67.1	69.4	67.6	69.6	72.1	72.1	76.1	78.6	77.9	80.1	77.6	77.1	110.5
(5. 4)	100	64.1	64.6	63.9	61.9	60.7	62.4	64.6	66.9	67.6	68.1	67.6	66.6	99.8
VEHICLE UTMSIM	125	73.4	74.2	73.2	71.9	70.7	69.4	69.2	69.7	71.2	70.4	70.9	72.7	104.7
CCNF IG	160	76.1	74.6	74.1	74.9	74.6	73.1	71.9	72.9	72.1	72.1	73.6	73.9	106.9
LCC SCHENECTADY	200	77.7	78.5	80.2	79.2	78.7	79.7	79.5	79.7	74.5	73.2	71.2	71.5	110.9
DATE 05-28-75	250	78.2	77.5	76.7	76.7	74.7	74.3	74.5	74.7	74.2	74.0	72.5	71.2	107.9
RUN 4/13	315	77.8	78.	77.7	76.7	75.1	73.6	73.0	73.0	71.7	71.5	70.1	69.0	107.0
TAPE X0. 20	400	75.2	74.1	73.4	73.2	72.6	72.7	72.4	72.4	70.9	69.9	68.9	68.4	105.2
BAR 29.8 HG	500	71.4	72.1	71.	69.8	69.1	68.3	69.7	70.1	69.6	68.3	66.3	64.6	102.4
(00698. N/M2)	630	73.0	73.2	70.7	69.7	70.5	72.3	72.9	72.5	71.7	69.5	66.7	66.4	104.5
TAMB 54. DEG F	800	78.1	80.8	74.7	78.3	80.2	84.3	86.7	84.3	83.8	81.5	74.5	70.5	116.8
(289. DEG K)	1000	75.5	77.7	79.7	79.	80.2	80.2	79.2	78.4	78.2	75.7	72.5	68.4	111.4
TNET 49. DEG F	1250	79.4	80.3	79.7	78.8	79.3	79.8	79.5	79.5	77.0	74.3	72.3	68.0	111.3
(283. DEG K)	1600	82.7	82.8	80.8	79.7	79.2	76.7	78.1	78.1	75.6	73.4	70.9	66.1	110.6
HACT J. GH/M3	2000	82.8	82.5	80.9	81.1	79.6	79.3	77.1	76.2	76.5	73.3	70.5	66.0	110.9
(1. KG/M3)	2500	83.2	84.9	84.1	83.3	80.8	80.7	79.8	79.8	78.4	77.0	73.4	70.2	113.3
MFA 11639. RPM	3150	90.8	93.5	89.9	93.1	89.6	88.5	88.6	85.1	84.9	83.8	79.9	75.7	121.1
(1219. RAD/SEC)	4000	87.2	90.7	86.6	89.4	86.3	85.5	84.5	81.8	80.9	79.7	76.1	72.2	117.6
NFK 11696. RPM	5000	84.0	84.2	82.1	82.1	82.1	80.3	78.7	77.7	76.4	75.0	73.1	68.2	112.3
(1225. RAD/SEC)	6300	86.0	85.7	84.9	84.7	83.6	83.4	81.2	79.5	77.6	76.4	74.9	70.7	114.6
NFD 11517. RPM	8000	84.9	84.9	84.	84.5	83.4	82.4	80.3	78.1	77.0	75.9	74.3	70.7	114.8
(1206. RAD/SEC)	10000	85.2	85.6	83.9	84.6	83.5	82.0	81.4	78.9	76.9	76.2	75.0	70.6	114.4
NO. OF BLADES 18	12500	84.5	84.1	82.5	83.2	81.1	82.0	79.8	77.8	75.8	74.2	73.4	69.6	113.6
FAN TIP SPEED	16000	82.6	81.6	81.3	81.8	81.6	80.6	77.8	76.8	74.7	72.7	71.8	68.8	112.5
1516. FT/SEC	20000	82.1	80.9	80.2	81.4	80.6	79.3	77.5	76.1	74.2	71.8	71.1	67.7	112.1
	25000	80.7	80.1	79.9	81.1	79.6	78.7	75.8	75.1	72.7	69.8	68.8	66.1	111.9
	31500	79.4	78.6	78.6	79.6	79.1	78.1	74.8	74.6	72.3	69.6	68.4	65.8	111.9
	40000	77.7	76.6	77.9	77.7	77.1	75.4	73.9	73.8	71.5	67.5	66.5	64.9	111.6
OVERALL MEASURED		97.0	98.2	96.1	97.6	95.7	95.1	94.6	92.8	91.8	91.5	88.7	85.6	127.5
OVERALL CALCULATED		110.9	112.7	110.1	112.0	109.6	108.9	108.5	106.3	105.7	104.4	101.3	97.8	

Run 4/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 55 DAY 0 HR. -0.0

SPL INPLT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89° DEG. F, 70 PERCENT REL. HUM. DAY)															
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)	(2.8)
53	37.2	44.3	49.4	51.8	52.0	52.3	53.8	53.4	53.6	54.9	54.8					
SIDELINE 5.1 FT:	47.3	49.9	53.4	55.6	58.4	59.4	59.6	59.6	59.6	54.5	52.3	52.1				
(152.4 M)	38.4	45.8	49.7	51.3	52.4	54.1	55.2	55.1	55.1	53.4	51.7					
NFA 3270 RPM	33.8	41.5	46.1	48.8	51.9	52.4	53.2	52.5	52.4	50.7	49.2					
(343. RAD/SEC)	31.9	38.5	42.4	44.7	45.9	48.3	49.9	49.9	48.8	46.6	44.4					
NFK 3254 RPM	31.2	37.7	41.9	45.8	49.6	51.7	52.1	51.8	49.7	46.8	45.7					
(345. RAD/SEC)	37.9	41.1	51.3	55.1	61.4	65.2	63.6	63.6	61.6	54.4	49.9					
NFC 3244 RPM	34.1	44.5	51.3	54.8	56.5	57.4	57.6	57.9	55.5	52.1	47.8					
(341. RAD/SEC)	35.9	44.1	49.6	53.5	56.3	57.4	58.4	56.4	53.9	51.7	46.9					
AIRFLOW PATIO	36.9	45.3	51.0	53.1	52.8	55.7	56.7	54.8	52.8	50.1	44.8					
KF/M 12.6	35.6	44.8	51.9	53.1	55.1	54.5	54.5	55.4	52.4	49.4	44.3					
6.1	36.6	46.9	52.5	53.7	56.1	58.8	57.4	57.0	55.8	52.1	48.2					
VEHICLE UTNSIM	43.7	51.8	61.7	62.1	63.5	65.2	62.8	63.2	62.2	58.2	53.4					
CCNF1G	38.5	47.5	57.3	58.3	61.1	60.8	59.2	58.9	57.9	54.1	49.6					
LCC SCHEMECTADY	31.9	41.7	49.1	53.3	54.2	58.8	53.9	53.9	52.7	50.6	45.1					
DATE 5-28-75	29.6	43.3	51.7	54.2	56.8	56.4	55.9	54.7	53.7	52.1	47.1					
RLN 4/13	26.2	41.1	49.7	53.8	55.3	55.1	54.1	53.7	52.8	51.0	46.7					
TAPF X0020	22.7	35.9	45.4	52.4	54.1	55.5	54.2	53.0	52.6	51.1	46.0					
FAN TIP SPEED	14.9	34.5	45.1	51.3	52.8	52.8	52.2	50.9	49.6	46.5	44.0					
1716. FT/SEC	9.0	31.6	42.6	48.5	50.9	50.4	50.8	49.5	47.8	46.6	42.8					
63.0		25.4	38.8	44.7	47.4	48.3	48.6	47.5	45.4	44.4	40.1					
8.0		17.1	33.2	41.1	43.7	43.8	45.1	43.6	41.1	39.7	36.0					
OVERALL CALCULATED	49.7	58.3	65.7	67.6	69.8	71.4	70.5	70.1	68.7	65.5	62.3					
PNOB	54.2	65.2	74.2	77.3	79.3	80.3	79.7	78.8	77.6	75.4	72.8					

Run 4/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 75 PERCENT REL. HUM. DAY)

PFOC. DATE - MONTH 02 DAY 4 HR. -1.1

SPL INPUT AT BTU

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														PWL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.		140.
	50	66.3	66.6	66.1	66.8	67.8	68.6	66.3	65.6	66.6	66.8	67.6	68.1				100.7
	63	74.0	73.5	74.3	75.5	75.3	75.5	73.5	72.3	72.8	74.3	76.3	75.5				100.2
RADIAL 17. FT.	80	66.9	68.6	66.6	68.9	71.6	71.9	75.9	78.1	77.9	80.1	77.9	76.9				110.4
(5. 4)	100	64.4	64.6	63.9	62.7	61.7	62.9	69.1	66.6	67.4	68.4	67.6	66.9				99.9
VEHICLE UTMSIM	125	73.7	74.2	73.4	71.7	71.9	69.9	69.4	69.9	71.9	70.4	71.2	72.9				104.9
CONFIG	160	75.6	74.4	73.6	74.1	74.6	73.1	71.9	72.9	71.9	72.4	73.1	73.4				106.7
LOC SCHENECTADY	200	77.2	78.0	80.2	79.5	79.7	80.5	81.0	80.0	75.7	73.7	72.0	73.0				111.0
DATE 5-28-75	250	76.7	76.0	75.2	74.7	73.7	73.2	74.0	73.7	72.7	72.7	71.7	71.0				106.9
RUA 4/14	315	76.0	76.2	75.2	74.7	73.5	72.8	71.7	71.5	70.2	71.2	69.0	68.2				105.3
TAPE X30P20	400	74.9	74.1	71.9	72.9	73.1	73.7	72.9	72.6	71.4	69.9	69.1	68.6				105.4
DAB 29.8 HG	500	71.6	71.8	70.5	69.8	69.1	68.6	69.0	71.1	69.8	68.6	66.8	64.8				102.7
(JG698. N/M2)	630	75.5	74.7	72.2	71.2	71.7	73.3	73.9	75.0	72.2	70.7	68.5	66.2				109.0
TAMB 54. DEG F	800	81.8	80.0	74.7	78.3	81.1	84.8	87.0	85.5	82.5	79.8	72.3	71.0				116.1
(285. DEG K)	1000	74.8	77.2	76.4	78.5	81.7	79.3	77.7	76.4	75.9	75.0	71.5	68.7				110.5
THET 48. DEG F	1250	80.4	79.8	78.7	79.6	78.8	77.8	77.7	77.2	75.0	73.8	72.5	67.8				110.1
(282. DEG K)	1600	83.2	81.9	78.6	78.5	78.7	78.7	79.3	77.3	75.4	74.4	69.6	65.1				110.5
HACT 0. GM/M3	2000	82.3	82.3	79.9	81.1	79.1	77.5	77.6	76.9	76.7	74.5	70.5	66.7				110.8
(. KG/M3)	2500	82.2	83.4	82.6	83.3	81.3	79.5	79.1	79.1	77.9	76.0	72.6	69.7				112.6
NFA 11814. RPM	3150	89.8	89.5	87.4	88.6	86.1	85.3	85.1	83.9	81.2	80.5	77.9	74.2				117.0
(1237. RAD/SEC)	4000	87.5	87.5	86.1	87.1	85.3	84.0	84.3	82.1	80.7	79.5	76.9	73.2				116.6
NFK 11871. RPM	5000	83.7	83.2	81.1	81.4	81.8	80.0	77.5	76.5	75.1	74.0	71.9	67.9				111.3
(1243. RAD/SEC)	6300	84.2	83.7	83.4	83.2	81.9	81.4	79.2	77.3	75.1	74.6	73.4	68.9				112.8
NFD 11517. RPM	8000	83.4	83.4	83.3	83.0	82.9	80.6	79.1	76.8	75.3	73.9	72.5	69.7				112.0
(1206. RAD/SEC)	10000	84.0	83.6	82.1	83.4	82.5	80.3	79.1	76.9	74.9	74.0	72.5	68.9				112.7
NO. OF BLADES 18	12500	83.5	82.6	81.3	82.2	81.5	80.8	77.8	75.8	74.3	72.2	71.9	67.6				112.2
FAN TIP SPEED	16000	81.6	79.6	79.5	81.0	81.1	78.6	79.8	74.5	72.7	70.7	69.8	66.8				110.6
1031. FT/SEC	20000	81.6	79.7	78.4	79.7	79.6	78.0	79.3	74.1	72.4	70.0	69.3	66.0				110.5
	25000	79.4	78.6	78.2	79.5	79.1	77.2	73.8	72.9	71.2	67.8	67.0	65.1				110.2
	31500	78.2	76.9	76.6	78.1	77.6	77.1	73.3	72.6	70.3	67.4	65.7	64.3				110.3
	40000	76.5	75.1	76.1	76.2	75.9	74.4	72.6	72.1	70.3	68.0	64.5	63.7				110.2
OVERALL MEASURED																	
OVERALL CALCULATED		96.3	96.0	94.7	95.4	94.4	93.8	93.5	92.4	93.4	93.3	87.2	85.2				120.1
PWDB		117.3	117.1	106.3	119.1	117.6	106.9	106.6	105.6	103.4	102.5	100.1	97.0				

Run 4/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 02 DAY 0 HR. -1.0

SPL INPUT AT STD	FREQ. (C.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89. DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50		36.9	43.8	48.6	51.8	52.0	52.0	53.9	53.2	53.8	54.4	54.3					
SIDELINE 5000 FT:	63		39.8	49.9	53.6	56.6	59.1	60.9	65.4	56.8	55.0	58.1	53.6					
(152.40 M)	80		37.7	44.3	48.5	51.3	51.6	53.6	54.2	53.6	53.8	52.6	51.4					
NFA 3328. RPM	125		36.6	43.8	48.1	49.7	50.9	51.1	51.7	51.0	51.1	49.7	48.5					
(348. RAD/SEC)	160		33.8	40.0	45.9	49.1	51.5	52.1	52.7	51.9	51.6	49.7	48.7					
NFK 3344. RPM	200		37.6	38.0	42.4	44.7	46.2	48.0	50.9	50.1	49.0	47.1	44.6					
(351. RAD/SEC)	250		32.7	39.2	43.4	47.1	50.6	52.7	54.6	52.3	51.0	48.6	45.8					
NFD 3244. RPM	315		37.2	41.1	50.0	56.1	61.9	69.5	64.9	62.4	59.8	52.2	50.4					
(341. RAD/SEC)	400		33.5	44.2	49.8	55.3	56.0	55.9	55.6	55.6	54.8	51.1	47.8					
AIRFLOW RATIO	500		35.1	43.8	51.4	53.7	54.3	53.7	56.1	54.4	53.4	51.9	46.6					
WF/WP 12.6	630		36.1	43.0	48.8	52.5	54.8	57.1	56.1	54.6	53.8	48.8	43.8					
	800		35.3	43.6	49.9	52.5	53.3	55.0	57.3	55.6	53.6	49.4	45.1					
			35.1	45.4	52.5	54.2	54.9	58.1	57.1	56.5	54.8	51.3	47.7					
VEHICLE UTWSIM	1000		39.7	49.3	57.2	58.5	60.3	61.7	61.6	59.5	59.0	56.2	51.9					
CONFIG	1250		36.7	47.0	55.1	57.3	58.6	61.3	59.4	58.6	57.7	54.9	50.6					
LCC SCHENECTADY	1600		29.5	40.7	47.4	52.1	54.0	58.3	53.4	52.7	51.7	49.4	44.8					
DATE 5-28-75	2000		27.6	41.8	49.2	52.4	54.8	54.4	53.7	52.2	51.9	50.5	45.4					
RUN 4/14	2500		24.7	40.3	48.2	52.6	53.5	58.9	52.8	52.0	50.8	49.3	45.7					
TAPE X20020	3150		20.7	37.1	47.2	51.4	52.3	53.2	52.0	51.0	50.3	48.6	44.3					
FAN TIP SPEED	4000		13.4	33.2	44.1	48.8	51.5	50.8	51.2	49.4	47.6	47.0	42.0					
1031. FT/SEC	5000		7.0	29.9	40.9	46.7	48.9	48.4	48.5	47.5	45.8	44.6	40.8					
	6300			23.6	37.1	43.7	46.2	46.1	46.6	45.7	43.6	42.6	38.4					
	8000			15.4	31.7	38.2	42.2	41.8	42.8	42.1	39.8	38.7	35.0					
	10000			2.8	23.7	32.3	37.7	37.5	39.1	38.0	35.5	33.4	30.7					
OVERALL CALCULATED			48.2	57.2	63.6	66.6	68.8	70.6	72.4	68.7	67.4	64.6	62.1					
PNDB			51.5	63.9	72.1	76.3	77.9	78.7	78.4	77.2	76.1	73.8	69.9					

Run 4/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 05 DAY 3 HR. -1.

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)														PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
	50	65.8	66.3	65.8	66.3	67.3	68.1	67.1	65.6	64.8	65.8	66.8	66.3					100.8
RADIAL 17. FT.	63	74.5	73.8	74.0	75.8	75.5	75.3	73.3	72.1	72.8	74.5	75.8	75.5					108.2
(5. 4)	60	67.4	69.4	67.4	69.1	71.9	72.6	76.4	78.6	78.1	80.1	77.6	76.4					113.9
VEHICLE UTHS:M	125	65.4	65.9	65.1	63.7	61.9	63.4	69.4	67.4	68.1	69.4	68.1	67.6					100.6
CONFIG	160	75.2	75.2	74.2	72.4	72.2	70.4	71.2	69.9	71.7	71.7	70.9	72.7					109.2
LOC SCHENECTADY	240	77.4	78.1	76.1	76.6	75.9	74.6	73.6	73.4	72.4	72.1	72.9	73.1					107.6
DATE 9-28-75	250	81.2	82.5	84.7	82.5	81.2	81.7	82.2	81.2	77.5	75.2	72.2	70.7					113.5
RUN 4/15	315	81.2	81.1	80.2	79.1	78.2	77.5	78.1	78.1	77.0	76.7	74.7	73.0					111.0
TAPE X0020	400	81.0	82.1	81.7	81.5	78.7	77.7	76.0	75.5	74.5	73.7	72.5	71.0					110.1
BAR 29.8 HG	500	78.7	79.9	78.9	78.9	77.9	77.4	76.1	74.9	73.1	72.1	70.9	69.9					109.1
(00698, V/42)	630	74.9	75.3	73.8	73.3	72.3	70.8	70.8	71.3	70.3	69.3	67.6	65.3					104.4
TAMB 54. DEG F	800	72.3	72.1	70.9	71.1	71.5	72.0	71.7	72.2	71.0	68.5	66.7	65.9					104.0
(285. DEG K)	1000	74.1	74.8	73.1	72.7	72.5	70.8	70.5	69.2	68.2	67.5	66.2	65.2					111.5
TWBT 48. DEG F	1250	79.3	81.7	81.7	81.7	81.7	81.7	80.7	78.9	76.9	76.5	72.7	69.4					112.3
(282. DEG K)	1600	84.1	85.3	85.5	85.1	84.8	83.6	82.2	81.5	79.3	79.2	75.3	70.8					119.2
HACT 0. GH/M3	2000	83.7	84.1	82.6	82.1	81.9	80.9	79.6	79.6	77.1	75.7	71.4	68.8					112.7
(. KG/M3)	2500	84.3	84.1	83.7	81.9	79.2	78.8	78.9	78.2	77.0	76.5	72.5	69.2					112.1
NFA 11352. RPM	3150	86.5	89.9	87.1	87.3	84.5	83.5	84.3	84.8	82.9	82.7	78.1	73.9					117.4
(1189. RAD/SEC)	4000	98.1	97.5	97.4	98.1	97.6	92.5	91.8	91.4	91.4	90.3	87.2	83.0					126.9
NFK 1147. RPM	5000	97.5	89.7	89.8	91.4	89.8	85.5	85.3	84.6	83.7	82.7	78.9	74.9					119.4
(1194. RAD/SEC)	6300	86.6	87.2	84.8	85.1	84.1	83.0	81.2	81.5	79.1	77.5	75.9	71.2					115.0
KFD 11517. RPM	8000	89.2	91.1	89.7	88.9	88.4	87.7	85.4	83.2	82.3	81.6	79.1	74.9					119.1
(1206. RAD/SEC)	10000	86.6	87.9	86.3	86.6	85.6	84.9	82.3	81.8	79.3	78.6	77.2	72.7					116.4
NO. OF BLADES 18	12500	89.5	89.3	87.9	87.9	87.2	85.8	84.9	82.4	80.2	79.5	78.5	73.9					118.0
FAN TIP SPEED	16000	87.5	87.2	85.8	86.5	85.2	84.8	82.3	81.1	79.0	77.7	76.9	72.6					116.5
991. FT/SEC	20000	85.6	84.6	83.5	84.8	83.8	82.9	80.3	79.3	77.2	76.2	75.5	71.3					115.0
OVERALL MEASURED	25000	85.4	83.9	83.4	84.9	83.9	82.0	80.3	79.1	76.9	74.8	74.3	70.7					119.2
OVERALL CALCULATED	31500	84.4	83.3	82.7	84.1	82.6	81.2	79.3	77.9	75.4	72.6	72.1	68.6					114.7
	40000	83.2	82.1	81.6	82.3	82.2	80.6	77.8	77.1	74.6	72.1	71.7	67.8					114.7
	50000	81.2	80.1	80.4	81.5	81.6	78.6	76.6	75.1	74.0	72.7	68.7	66.4					114.5
		111.4	111.5	109.8	111.2	110.6	97.7	86.6	94.0	95.0	93.9	91.4	88.1					130.9
		116.1	116.1	115.6	116.7	115.5	111.9	111.2	110.6	110.0	109.0	106.1	102.4					

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OF POOR QUALITY

Run 4/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 05 DAY 0 HR. -1.7

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 70 PERCENT REL. HUM. DAY)														
	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	(0.17)	(0.35)	(0.52)	(0.71)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
90	38.7	46.3	51.1	53.7	53.5	53.7	54.3	53.7	53.6	54.2	54.0				
63	44.3	53.7	56.6	58.1	60.4	62.1	61.9	58.6	56.2	53.1	51.4				
SIDELINE 500. FTG (152.43 M)	42.4	49.3	52.7	54.2	55.9	57.6	58.4	57.9	57.8	55.6	53.4				
NFA 3198. RPM (335. RAD/SEC)	39.5	47.7	51.9	53.8	55.3	55.3	54.9	53.7	52.8	51.4	49.9				
NFR 3213. RPM (336. RAD/SEC)	34.1	41.3	45.9	47.9	48.4	49.7	51.1	50.6	49.8	47.9	45.1				
NFC 3244. RPM (341. RAD/SEC)	31.9	37.9	40.1	45.8	49.3	50.4	51.1	51.1	48.7	46.8	45.5				
AIRFLOW RATIO WF/WM 12.60	37.1	39.4	48.8	52.5	56.9	58.8	61.4	59.4	58.1	51.9	49.9				
800	37.1	47.4	51.6	53.2	54.6	56.2	56.5	55.9	55.6	51.4	47.6				
VEHICLE UTMSIM 1250	41.6	49.9	56.5	57.5	58.9	61.3	62.9	61.5	60.8	56.8	52.0				
CONFIG 1250	47.7	59.3	66.7	71.3	67.5	68.5	69.1	69.7	68.7	65.5	60.7				
LCC SCHENECTADY 1600	38.3	50.8	58.3	61.8	60.1	61.3	61.9	61.6	62.9	56.9	52.3				
DATE 5-28-75 2000	33.5	44.5	52.1	55.3	57.2	58.8	57.4	56.7	55.2	53.4	48.1				
RUN 4/15 2500	34.9	48.7	55.0	58.9	61.0	60.7	60.2	59.4	57.9	56.2	51.4				
TAPE X30020 3150	29.2	43.3	51.5	55.5	57.8	57.1	56.8	56.0	55.6	53.8	48.7				
FAN TIP SPEED 4000	26.4	42.9	51.7	56.1	57.8	59.7	57.7	56.3	55.8	54.6	49.3				
991. FT/SEC 5000	18.2	37.7	48.3	52.6	55.5	55.3	55.4	54.2	53.1	52.0	47.0				
63.0	12.7	33.9	45.6	51.5	53.1	52.9	53.3	52.0	51.3	50.3	45.3				
80.0		28.6	42.3	48.0	50.2	51.1	51.6	50.2	48.4	47.6	43.2				
100.0		19.9	36.2	42.7	46.2	47.3	47.8	46.4	44.7	43.1	38.5				
OVERALL CALCULATED	52.9	63.1	69.5	72.7	72.2	73.3	73.5	73.1	72.1	69.1	65.1				
PND8	58.7	70.4	78.1	81.8	82.2	82.9	82.9	82.5	81.4	78.7	74.0				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 0 HR. -1.

SPL INPUT AT STD

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

FREQ. (.)	C. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. (C. 0. 0. 0. 0. 0. PNL)													PNL
	(.17)	(0.35)	(.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	
50	66.1	66.3	66.1	66.6	67.3	68.3	67.1	65.6	64.8	65.8	66.8	66.6	66.6	100.1
63	74.6	73.8	74.0	75.3	75.0	74.8	72.8	71.8	72.5	74.3	75.8	75.5	75.5	107.9
RADIAL 17. FT. (5. M)	80	67.1	69.1	67.1	68.6	71.9	72.4	76.1	78.6	77.4	79.4	76.6	75.9	110.0
VEHICLE UTHSIM	100	66.6	66.6	65.9	64.6	62.4	64.1	66.1	66.4	69.4	69.6	89.1	68.1	101.4
CONFIG	125	75.2	75.9	74.4	72.9	72.4	70.7	76.2	75.4	72.2	76.7	70.7	72.9	105.5
LOC SCHENECTADY	160	77.1	76.1	76.1	76.9	76.6	74.6	73.9	73.6	71.9	71.9	72.6	72.9	107.7
DATE 5-28-75	200	78.7	81.5	81.2	79.7	79.0	79.2	79.5	78.7	75.2	73.2	71.0	68.7	111.0
RELN 4/16	250	82.0	81.0	80.2	79.5	78.5	78.0	78.3	78.2	77.5	77.2	74.7	72.7	111.3
TYPE X00020	310	81.5	82.2	81.7	81.7	79.2	77.8	77.0	76.0	75.0	75.0	73.2	72.0	110.8
BAR 29.8 HG	400	79.2	75.1	79.1	79.4	77.9	77.7	76.4	75.4	73.4	72.9	71.6	70.1	109.4
(100698. N/M2)	500	75.9	75.8	74.5	74.6	73.1	72.1	72.0	71.8	71.3	70.1	68.3	66.1	105.3
TAMB 53. DEG F	600	73.5	73.2	71.9	72.1	71.5	71.5	71.2	72.0	70.5	68.5	66.7	65.7	104.0
(285. DEG K)	800	73.3	73.8	72.7	74.5	76.1	77.1	76.7	77.3	74.8	73.8	69.8	68.0	108.5
TWET 48. DEG F	1000	79.0	79.2	81.4	81.7	81.1	80.3	79.7	78.9	77.7	75.5	71.5	69.2	112.1
(202. DEG K)	1200	84.6	82.5	83.2	85.8	83.3	84.8	82.0	82.2	80.8	78.0	74.0	69.0	115.2
HACT 25. GM/M3	1600	83.7	83.6	82.1	82.7	81.2	81.2	79.6	80.3	79.1	77.7	73.6	68.9	113.1
(1. KG/M3)	2000	84.6	84.3	83.3	81.9	81.1	79.8	80.1	79.4	78.5	76.8	73.7	68.7	112.7
NFA 11124. RPM	2500	87.5	89.9	87.1	87.6	85.5	84.5	84.1	84.1	82.4	81.2	77.9	73.7	117.4
(1165. RAD/SEC)	3150	97.5	97.5	98.6	96.1	93.3	94.5	91.6	91.4	90.9	89.3	87.7	83.2	128.2
NFK 11189. RPM	4000	89.5	89.7	88.6	88.1	86.6	85.8	85.5	83.6	82.2	81.0	78.9	74.2	127.8
(1171. RAD/SEC)	5100	86.5	87.5	84.8	85.1	84.3	83.5	81.5	82.8	79.1	78.2	76.1	71.7	115.2
NFD 11517. RPM	6300	91.5	91.7	89.4	88.9	88.4	88.2	85.7	84.8	82.8	81.6	80.6	76.7	119.5
(1206. RAD/SEC)	8000	86.9	88.2	86.3	86.7	85.6	84.6	82.6	82.3	79.5	78.1	77.3	72.9	116.4
NC. OF BLADES 18	10000	89.7	89.8	88.4	88.4	87.7	86.0	85.1	82.4	80.7	80.3	79.3	74.6	118.4
PAN TIP SPEED 971. FT/SEC	12500	88.0	87.6	85.8	86.7	86.2	84.3	83.1	82.9	79.3	77.7	77.4	73.4	116.8
(25000	16000	85.6	84.9	84.3	84.5	84.3	83.6	80.8	79.2	77.7	76.5	75.5	71.5	115.4
(31500	21000	85.9	84.4	84.2	84.9	84.1	82.3	80.0	79.6	77.2	74.8	74.8	71.0	115.4
(40000	25000	84.4	84.1	82.9	84.5	82.8	81.7	79.3	78.4	75.4	72.8	72.3	69.1	115.1
OVERALL MEASURED	31500	83.4	82.4	81.9	82.3	82.3	80.4	78.5	77.4	74.8	72.4	70.9	67.8	114.8
OVERALL CALCULATED	40000	81.7	81.1	80.9	81.5	81.1	80.6	77.1	76.1	74.8	73.2	69.2	66.9	114.6
PNDB	101.4	101.5	101.3	101.3	98.7	98.5	96.5	95.9	94.8	93.4	91.7	88.2	85.2	130.6
	115.9	116.1	116.2	114.8	112.7	113.1	110.9	110.6	109.8	108.3	106.5	102.6		

Run 4/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 6 HR. -1.7

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 90 PERCENT REL. HUM, DAY)											ANGLES FROM INLET IN DEGREES (AND RADIAN)					
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	38.7	46.3	51.4	53.8	53.5	54.3	54.5	53.2	53.3	53.9	53.8						
63	42.3	50.9	53.9	55.8	57.9	59.4	59.4	56.3	54.5	52.1	49.4						
SIDELINE 500. FTS (152.40 M)	80	42.7	49.3	53.2	55.1	56.4	58.1	58.7	58.4	58.3	55.6	53.2					
130	42.6	50.3	54.3	55.5	55.9	56.4	56.2	55.7	55.9	54.0	52.2						
NFA 3133. RPM (328. RAD/SEC)	125	38.8	47.2	52.4	53.8	55.5	55.6	55.4	53.9	53.6	52.2	50.2					
165	34.6	42.7	47.1	46.7	49.7	51.3	51.6	51.6	51.6	50.5	48.6	45.9					
NFK 3132. RPM (331. RAD/SEC)	250	31.2	38.9	44.1	46.8	48.8	49.9	51.6	50.6	48.7	46.8	45.3					
250	31.9	39.1	46.3	51.1	54.1	55.2	56.6	54.6	53.8	49.7	47.4						
NFD 3244. RPM (340. RAD/SEC)	315	35.5	47.2	53.3	55.6	57.0	57.9	58.1	57.4	55.3	51.1	48.3					
400	37.8	48.3	56.6	57.5	61.3	59.9	61.1	60.2	57.6	53.4	47.9						
AIRFLOW RATIO	500	37.9	46.5	52.3	55.1	57.3	57.2	59.7	58.3	57.0	52.8	47.5					
WF/HM 12.60	630	37.3	47.1	51.6	53.5	55.6	57.5	57.4	55.9	51.9	47.1						
800	41.6	49.9	56.7	58.5	59.9	61.1	62.1	61.0	60.0	56.5	51.7						
VEHICLE UTHSIM	1000	47.7	60.6	64.7	65.8	69.5	68.2	69.1	69.2	67.7	66.0	60.9					
CONFIG	1250	37.5	49.5	56.0	58.5	59.6	59.8	60.9	60.1	59.2	56.9	51.6					
LCC SCHENECTADY	1600	33.8	44.5	52.1	55.6	57.5	56.8	57.7	56.7	56.0	53.6	48.6					
DATE 5-28-75	2000	35.6	47.8	55.0	58.9	61.5	60.9	61.2	59.9	58.9	57.7	53.1					
RUN 4/16	2500	29.5	43.3	52.0	55.5	57.5	57.4	56.3	56.2	55.1	54.0	49.0					
TAPE X99020	3150	26.9	43.4	52.2	56.6	58.1	59.2	57.7	56.8	56.8	55.4	50.0					
FAN TIP SPEED	4000	18.4	37.7	48.5	53.6	55.0	56.1	55.2	54.4	53.1	52.5	47.7					
971. FT/SEC	5000	12.3	34.6	45.4	51.0	53.9	53.4	53.6	52.5	51.6	50.3	45.5					
6300	1.2	29.4	42.3	48.2	50.4	50.8	52.1	50.5	48.4	48.1	43.4						
8000		20.1	36.7	43.1	46.7	47.3	48.3	46.4	44.0	43.2	39.0						
10000		8.1	27.2	37.1	40.9	42.7	43.6	42.5	40.5	38.7	34.2						
OVERALL CALCULATED		52.5	63.3	68.4	71.4	73.0	72.7	73.3	72.0	71.5	69.4	65.2					
PNDB		57.0	70.9	77.2	81.4	82.6	83.0	82.9	82.3	81.7	79.2	74.3					

Run 5/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (90, DEG. F. 70 PERCENT REL. HUM., DAVI)
 PROC. RATE - MONTH 7 DAY 23 HR. 13.3
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. Hz	ANGLE														
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	
30															
43															
50															
RADIAL 17. FT.	100	69.3	67.5	67.3	67.1	64.1	65.3	68.0	70.8	70.9	71.1	71.1	69.9		103.2
(50. M)	125	77.3	76.8	75.0	74.4	73.8	72.3	71.5	71.6	71.2	71.6	71.6	72.1		106.2
VEHICLE UTNSTM	160	77.6	76.0	74.0	74.6	76.3	75.0	73.0	74.8	72.9	70.9	71.3	71.4		107.5
CONFIG C02	250	76.8	79.0	79.0	78.5	77.8	78.3	77.0	78.0	75.2	72.8	71.0	69.4		109.9
LUG. SEMIULTARY	250	85.0	84.0	83.5	82.9	81.8	81.0	81.2	82.0	81.4	79.6	77.5	75.1		114.5
DATE 5/12/75	315	88.1	88.3	87.8	87.4	85.1	83.0	81.5	82.0	80.4	79.6	77.5	76.4		116.4
RUN 5/5	400	85.1	84.8	84.8	85.1	83.8	82.8	80.3	79.8	78.7	75.4	73.3	72.1		114.2
TAPE	500	83.0	84.0	83.6	83.6	81.3	80.0	78.8	78.6	76.4	74.6	72.8	69.1		112.6
BAR 29.7 HG	630	87.1	86.8	87.1	87.9	86.6	85.3	83.0	82.3	81.3	78.2	76.6	74.6		118.8
(10189. H/2)	800	87.1	87.3	87.1	87.9	86.6	85.3	83.0	82.0	79.7	76.9	74.3	71.4		116.8
TANK 60. DEG F	1000	87.1	85.3	84.3	83.9	81.1	81.0	78.7	79.1	76.2	73.4	70.0	67.6		116.0
(289. DEG K)	1250	81.1	82.1	82.6	84.7	79.3	77.8	76.2	76.1	73.5	71.4	67.3	64.4		111.2
TOT 56. DEG F	1600	78.9	79.3	78.8	80.7	77.4	76.0	74.0	73.1	70.8	69.2	66.0	62.4		108.2
(288. DEG K)	2000	80.1	80.1	80.6	84.2	79.9	77.0	75.2	74.6	71.8	69.5	67.0	63.4		110.2
HACT 11.20 GY/3	2500	96.8	96.1	99.0	96.2	94.3	92.7	92.9	90.6	87.5	84.5	80.7	78.9		125.6
(.01100 KG/3)	3150	88.6	89.1	91.2	88.2	86.1	84.7	84.1	82.6	79.5	76.0	73.0	71.1		117.6
NFA 9003. RFN	4000	84.5	84.2	84.9	84.1	80.7	79.1	78.6	75.8	73.0	70.5	68.4	65.6		112.0
(943. RMP/SEC)	5000	92.7	93.4	92.1	91.8	90.2	89.7	86.0	84.7	81.4	79.4	77.8	73.5		120.8
NEK A924. RFN	6300	89.9	91.2	91.9	90.0	88.1	87.0	83.9	82.9	79.8	77.3	75.2	72.5		119.8
(942. RMP/SEC)	8000	93.2	94.6	94.3	94.1	92.4	91.7	88.6	88.3	84.9	82.2	79.7	76.6		123.3
NFC 11517. RFN	10000	93.6	95.6	95.3	95.1	94.0	91.6	89.6	88.8	86.1	83.2	79.9	76.4		124.2
(1200. RMP/SEC)	12500	91.8	93.9	94.2	95.1	94.1	93.1	91.4	91.3	87.7	84.3	81.3	76.9		125.1
NO. OF BLADES 14	16000	90.8	91.5	93.0	93.6	92.8	92.3	90.8	90.9	85.5	84.1	81.1	75.2		124.5
FAN TIP SPEED	20000	89.2	90.6	91.4	92.0	91.6	90.8	89.9	89.4	86.9	82.9	79.6	73.4		123.6
780. FT/SEC	25000	87.8	88.2	88.6	89.7	90.1	89.0	87.6	87.3	85.1	81.5	77.1	71.0		122.2
	31500	85.5	86.4	86.6	87.4	87.3	86.6	85.2	84.8	81.9	78.6	73.6	67.4		120.6
	40000	81.4	82.7	83.0	83.8	83.8	82.8	81.4	80.9	79.0	74.5	69.4	62.9		118.2
	50000	75.5	78.5	78.7	79.1	78.5	77.0	77.2	77.1	75.2	69.4	65.2	58.8		115.5
	63000	71.0	73.1	72.4	73.3	71.5	70.9	71.7	73.0	68.1	62.5	61.9	57.7		112.5
	80000	71.2	71.9	70.8	72.0	71.0	71.6	71.8	73.0	62.8	59.9	61.9	60.4		115.9
OVERALL MEASURED		103.1	104.0	104.8	104.1	102.8	101.7	100.1	98.5	96.7	93.6	90.6	87.3		104.3
OVERALL CALCULATED		115.0	115.8	117.4	115.7	113.7	112.3	111.4	110.0	107.1	104.4	101.4	99.2		

Run 5/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
FREQ. (Hz)	10	17	25	35	50	70	100	140	200	280	400	560
50	38.5	44.9	51.1	53.5	53.9	53.1	55.6	54.2	52.3	52.6	52.2	52.2
63	40.9	48.7	52.7	54.4	56.7	56.9	58.7	56.3	54.1	52.1	50.6	50.6
SIDELINE 500. FT. (152.40 M)	80	45.1	52.6	56.6	58.3	59.4	60.9	62.5	62.3	60.6	58.4	55.5
NFA 2536. RPM (266. RAD/SEC)	125	44.4	52.9	58.1	59.8	60.7	59.4	59.8	57.2	56.0	53.8	52.1
NFK 2533. RPM (265. RAD/SEC)	160	42.9	51.1	56.2	56.9	57.6	57.7	58.4	56.7	55.1	52.3	48.9
NFP 3244. RPM (340. RAD/SEC)	200	44.6	54.0	59.3	60.9	61.4	61.0	60.9	58.3	56.9	54.7	52.0
AIRFLOW RATIO 12:50	250	44.5	53.5	59.6	61.5	62.4	61.5	62.2	59.8	58.9	54.2	50.7
VEHICLE CONFIG	315	42.6	50.1	55.2	55.7	57.8	56.9	58.2	55.9	53.2	49.7	46.7
LOC SCHEMATICALLY	400	37.3	47.7	55.5	53.6	54.2	54.2	55.0	52.9	51.0	46.7	43.3
DATE 5/12/75	500	32.6	43.2	51.0	51.2	52.2	51.6	51.8	50.0	48.6	45.2	41.0
RUN 5/5	630	33.1	44.2	54.0	52.3	52.8	52.6	53.0	50.7	48.6	45.9	41.8
TAPE	800	47.7	61.9	65.4	67.3	68.1	69.9	68.7	66.1	63.3	59.4	56.9
FAN TIP SPEED 786. FT/SEC	1000	39.3	51.2	56.7	58.5	59.7	60.8	60.3	57.6	54.5	51.3	48.9
OVERALL CALCULATED	1250	32.8	45.9	52.0	52.7	53.6	53.0	53.1	50.9	48.6	46.3	42.9
PND8	1600	39.7	62.0	58.8	61.4	63.7	61.7	61.6	58.8	57.2	55.3	50.4
	2000	35.1	50.2	56.0	58.7	60.4	59.2	59.3	56.8	54.6	52.3	49.0
	2500	35.9	52.0	59.3	62.4	64.6	63.5	64.3	61.6	59.1	56.4	52.7
	3150	32.7	50.3	58.2	62.9	63.5	63.7	64.1	62.2	59.5	55.9	51.7
	4000	34.7	46.1	56.9	61.4	63.9	64.3	65.7	62.8	59.7	56.5	51.3
	5000	18.9	43.4	54.4	59.4	62.5	63.4	64.9	63.3	59.2	55.9	49.3
	6300	7.4	36.8	49.4	55.7	59.0	60.7	61.8	60.2	56.5	52.9	45.8
	8000		25.8	41.9	50.2	53.9	55.6	57.2	56.0	52.7	48.0	40.9
	10000		12.7	32.3	42.0	47.1	49.4	51.3	49.8	46.7	41.3	33.8
OVERALL CALCULATED		55.4	66.1	71.3	73.5	74.9	75.2	75.5	73.4	70.9	68.0	64.9
PND8		58.9	74.5	82.1	85.4	87.8	87.2	88.1	85.7	82.8	79.6	75.1

50	49.0	54.7	60.1	62.1	62.3	61.4	63.9	62.4	60.5	60.8	60.5	60.5
63	51.5	58.8	62.0	63.2	65.2	65.3	67.1	64.6	62.4	60.5	58.4	58.4
SIDELINE 200. FT. (60.96 M)	80	56.1	63.0	66.0	67.3	68.1	69.5	71.0	70.8	69.1	66.9	64.0
125	56.0	63.8	68.0	69.1	69.7	68.3	68.6	65.9	64.7	62.8	60.9	60.9
160	54.8	62.4	66.4	66.5	66.8	66.7	67.3	65.6	63.9	61.2	57.8	57.8
200	57.1	65.6	69.7	70.6	70.8	70.1	70.0	67.3	65.8	63.6	61.0	61.0
250	57.1	65.4	70.3	71.5	71.9	70.8	71.4	69.7	68.0	63.3	59.9	59.9
315	55.6	62.4	66.1	65.9	67.5	66.4	67.6	65.1	62.4	58.9	56.1	56.1
400	50.8	60.3	66.7	64.0	64.2	63.8	64.5	62.3	60.4	56.1	52.8	52.8
500	46.5	56.3	62.5	61.9	62.3	61.5	61.4	59.5	58.1	54.8	50.7	50.7
630	47.7	57.7	65.8	63.2	63.2	62.6	62.8	60.4	58.3	55.7	51.6	51.6
800	63.0	75.9	77.6	78.5	78.7	80.2	78.7	76.1	73.2	69.3	67.0	67.0
1000	55.2	67.7	69.4	70.1	70.6	71.3	70.6	68.0	64.6	61.4	59.1	59.1
1250	49.6	61.0	65.0	64.5	64.8	63.8	63.6	61.3	59.0	56.7	53.4	53.4
1600	57.8	67.9	72.4	73.7	75.3	72.8	72.4	69.6	67.8	66.0	61.2	61.2
2000	54.5	66.9	70.2	71.4	72.4	70.6	70.8	67.8	66.5	63.2	60.1	60.1
2500	56.9	69.5	74.1	75.6	76.9	75.2	75.7	72.8	70.3	67.8	64.1	64.1
3150	56.3	69.2	74.6	76.8	76.5	75.9	76.0	73.9	71.1	67.6	63.6	63.6
4000	52.2	66.9	73.9	76.4	77.7	77.4	78.3	75.2	72.1	68.9	63.9	63.9
5000	46.7	65.4	72.2	75.1	76.8	76.9	77.9	76.1	71.9	68.7	62.3	62.3
6300	43.8	62.0	69.6	73.1	74.8	75.5	76.1	74.2	70.3	66.9	60.1	60.1
8000	35.3	56.3	65.5	70.4	72.0	72.5	73.4	71.8	68.4	63.8	57.1	57.1
10000	24.9	50.5	60.9	65.9	68.4	69.1	70.0	67.9	64.8	59.5	52.8	52.8
OVERALL CALCULATED		69.2	80.3	84.3	85.9	87.7	86.6	86.8	84.5	81.7	78.6	75.0
PND8		79.3	91.9	97.3	99.1	100.1	99.7	100.3	97.6	94.7	91.5	87.0

ORIGINAL PAGE IS OF POOR QUALITY

Run 5/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM: MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT REL. HUM. DAY) PROC. DATE - MONTH 7 DAY 23 HR. 13.3

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0°	1.5°	2.0°	3.0°	4.0°	5.0°	6.0°	7.0°	8.0°	9.0°	10.0°	11.0°	0°	0°	0°	0°	0°	PWL	
FREQ. (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	
RADIAL 17. FT.	50																		103.0
VEHICLE (5. M)	100	70.3	67.8	67.5	65.9	64.6	65.0	68.5	71.5	72.0	72.1	71.8	70.4						107.3
CONFIG (UTASIM)	125	78.1	77.5	76.3	75.1	74.6	73.5	71.5	72.8	72.8	72.1	73.1	74.1						108.5
LUG SCHEMECTADY	200	79.3	80.8	80.5	80.1	79.3	79.5	78.8	80.5	78.3	75.0	73.5	72.1						111.9
DATE 5/12/75	250	86.0	85.0	84.3	83.9	83.1	82.5	82.2	83.5	82.0	80.0	78.5	76.6						115.6
TAPE 5/6	315	89.3	89.0	88.8	87.9	85.8	83.8	82.2	83.0	81.0	80.0	78.8	77.6						117.2
BAR 29.7 HG	400	85.8	85.0	85.3	85.9	84.6	83.3	81.5	80.8	78.3	76.8	74.8	73.6						115.9
TAMB 60. DEG F	500	84.1	83.8	83.8	83.6	82.1	80.3	79.3	79.8	78.0	76.6	74.8	72.4						113.3
INLET 56. DEG F	630	84.1	84.3	84.6	84.4	83.1	82.3	80.5	80.6	77.8	75.3	72.8	70.6						113.9
MACT 11.80 GH/M3	800	86.6	85.0	83.6	84.1	83.1	82.3	80.5	80.6	77.8	75.3	72.8	70.6						112.1
NFA 10389. RPM	1000	87.3	84.0	81.1	79.9	81.1	80.3	79.5	79.3	76.8	74.8	72.0	68.6						112.1
NFD 11517. RPM	1250	78.3	81.1	82.3	83.4	81.6	80.0	78.7	78.4	76.1	73.1	70.3	65.9						110.3
NO. OF BLADES 18	1600	82.1	82.6	81.6	81.2	79.9	78.0	76.7	75.4	73.1	70.0	67.0	63.9						111.8
FAN TIP SPEED 927. FT/SEC	2000	84.6	84.8	83.8	81.2	80.1	77.8	76.7	75.4	73.1	70.0	67.0	63.9						115.6
OVERALL MEASURED	2500	86.8	87.6	86.8	86.2	84.8	84.0	81.9	80.1	77.1	75.5	71.7	68.9						126.4
OVERALL CALCULATED	3150	101.6	98.6	97.2	96.7	94.8	93.7	94.4	92.1	88.9	86.5	84.7	80.8						114.9
PNDB	4000	86.5	86.5	86.2	86.4	84.2	82.3	80.5	79.8	77.6	75.4	73.1	69.6						117.4
	5000	87.7	87.2	86.6	86.0	87.7	84.7	83.2	82.7	80.5	77.4	75.8	71.5						125.7
	6300	94.4	95.4	97.6	96.0	95.4	93.0	92.4	91.2	87.6	84.5	83.2	81.0						122.1
	8000	91.4	92.6	93.4	92.9	90.9	89.9	88.4	87.8	84.7	81.9	79.7	76.4						126.7
	10000	97.4	96.6	96.8	97.3	96.0	94.4	92.8	92.3	89.4	87.1	84.4	79.9						126.2
	12500	94.6	95.2	95.9	95.9	95.4	93.9	92.1	92.1	89.7	86.8	84.6	79.2						125.8
	16000	93.8	93.5	94.3	94.6	93.5	93.5	91.3	91.1	89.5	86.1	84.1	79.2						125.8
	20000	92.9	93.6	93.4	94.0	93.3	92.8	90.9	90.4	89.5	85.3	83.3	78.4						124.2
	25000	91.8	91.5	91.4	92.0	91.6	90.5	89.1	89.3	86.9	83.4	81.8	76.5						124.2
	31500	89.7	89.7	89.4	90.2	90.0	88.8	86.7	87.0	85.0	81.5	78.8	73.4						120.7
	40000	85.4	85.9	85.5	86.3	85.3	84.6	83.6	83.4	81.8	77.2	74.9	69.2						117.9
	50000	80.3	81.3	81.4	82.1	80.2	79.0	79.5	79.1	78.1	72.3	70.4	63.6						114.6
	63000	73.7	75.1	74.1	75.3	73.2	72.9	73.2	74.0	72.4	67.2	64.4	59.0						117.2
	80000	71.2	73.9	70.6	72.3	71.0	71.6	71.8	73.5	72.1	69.1	61.9	62.9						118.7

Run 5/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DATA)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. (CPS)	ANGLE											ANGLE					
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
50	39.3	45.2	51.9	54.5	54.7	53.6	55.9	54.8	54.0	55.1	54.5						
63	42.5	50.2	54.2	56.2	58.2	58.6	61.2	59.4	56.3	54.8	52.8						
SIDELINE 500. FT. (152.40 M)	46.1	53.4	57.6	59.6	60.9	61.9	64.0	62.9	61.1	59.4	57.0						
NFA 2926. RPM (306. RAD/SEC)	44.7	53.4	58.9	60.5	61.2	60.7	60.8	58.8	57.5	55.3	53.6						
NFK 2023. RPM (300. RAD/SEC)	42.3	51.5	56.5	58.4	59.9	59.2	59.7	56.9	55.3	53.9	51.2						
NFD 3244. RPM (340. RAD/SEC)	42.2	50.0	55.9	58.0	59.4	59.0	60.0	57.7	55.4	52.7	50.0						
AIRFLOW RATIO																	
N/W/M 12:50	36.8	46.0	51.5	53.7	54.2	54.4	54.0	51.5	49.8	46.5	42.3						
VEHICLE UTMSIM 1000	49.8	60.5	66.0	68.3	69.3	68.5	66.0	63.5	60.3	56.3	51.7						
CONFIC G02 1250	50.3	60.1	65.9	67.8	69.1	71.4	70.2	67.5	63.3	58.7	53.8						
LOC SCHEMECTARY 1800	35.7	48.1	54.9	56.7	57.4	57.2	57.5	55.9	54.0	51.5	47.3						
DATE 5/12/75	35.7	49.6	55.9	59.6	59.3	59.5	60.1	58.5	55.6	53.8	48.9						
RUM 5/9 2500	41.8	57.4	63.0	66.7	67.1	68.2	68.1	65.2	62.3	60.8	58.0						
TAPE 3150	36.6	51.9	59.0	61.6	63.4	63.7	64.3	61.9	59.3	56.8	52.9						
FAN TIP SPEED 4000	38.1	54.0	62.7	66.0	67.4	67.8	68.4	66.3	64.2	61.2	56.0						
907. FT/SLC 5000	32.5	51.1	59.9	64.4	66.1	66.4	67.6	66.0	63.3	60.9	54.8						
6300	24.7	46.5	56.7	61.2	64.6	64.6	65.8	65.0	61.8	59.5	53.8						
8000	21.4	44.2	55.3	60.4	63.5	63.9	64.8	64.7	60.8	58.6	52.9						
10000	17.2	37.2	50.0	56.3	59.3	60.5	62.8	60.8	57.8	55.8	49.6						
OVERALL CALCULATED PNDP	66.1	72.1	74.9	76.3	77.1	77.5	75.6	73.2	71.1	67.3							
	61.5	75.7	81.8	87.3	88.9	89.3	80.2	88.5	85.8	83.4	78.2						

50	49.7	56.0	60.9	63.1	63.1	61.9	64.1	63.0	62.2	63.3	62.7						
63	53.3	60.3	63.5	65.0	66.7	67.1	69.6	67.7	64.6	63.0	61.1						
SIDELINE 200. FT. (60.96 M)	57.1	63.8	67.0	68.6	69.6	70.5	72.5	71.4	69.5	67.9	65.5						
125	60.7	68.1	70.9	71.2	70.8	70.4	71.9	70.3	69.5	68.1	68.5						
160	56.2	64.3	68.8	69.9	70.2	69.6	69.6	67.5	66.2	64.0	62.4						
200	54.5	62.6	66.4	67.2	67.1	67.2	68.5	67.2	65.9	63.9	61.1						
250	54.6	63.1	67.0	68.1	69.3	68.4	68.7	65.9	64.3	62.9	60.3						
315	54.8	61.9	66.5	68.0	68.9	68.3	69.1	66.8	64.5	61.8	59.2						
400	53.3	59.1	62.1	65.9	66.8	67.2	67.8	65.7	63.9	60.9	57.1						
500	49.8	60.1	65.5	66.2	66.4	66.3	66.7	64.9	62.1	59.1	54.3						
630	50.8	59.1	63.0	64.4	64.3	64.2	63.7	61.1	59.3	56.0	51.9						
800	55.2	64.0	67.9	69.2	70.2	69.3	68.3	65.8	64.3	60.4	57.1						
1000	65.5	74.1	78.1	79.0	79.7	81.7	80.2	77.4	75.2	73.3	68.7						
1250	52.7	62.7	67.6	68.3	68.2	67.7	67.8	66.0	64.1	61.9	57.8						
1600	52.6	64.7	69.0	71.5	70.5	70.3	70.6	68.9	65.9	64.1	59.4						
2000	59.9	73.3	76.6	79.0	78.6	79.3	78.9	75.8	72.9	71.4	68.8						
2500	56.0	68.6	73.2	74.4	75.4	75.2	75.4	72.9	70.2	67.8	64.0						
3150	59.1	71.5	77.4	79.3	79.7	79.5	79.9	77.5	75.4	72.5	67.5						
4000	56.1	70.0	75.6	78.4	79.0	78.7	79.6	77.7	75.0	72.6	66.7						
5000	52.2	67.4	73.7	76.2	78.4	77.7	78.5	77.4	74.1	71.9	66.6						
6300	51.2	66.2	73.1	76.0	77.8	77.4	77.9	77.5	73.5	71.4	65.9						
8000	45.3	62.5	70.1	73.7	75.1	75.4	76.6	74.8	71.5	69.7	63.8						
10000	37.6	53.0	66.9	71.2	72.8	72.5	74.0	72.6	69.3	66.5	60.4						
OVERALL CALCULATED PNR	70.4	80.8	85.5	87.4	88.2	88.4	86.6	86.7	84.0	81.9	77.7						
	80.6	93.0	98.8	100.7	101.5	101.3	102.0	100.1	97.4	95.0	90.0						

Run 5/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVEL (59. LEG. F. 70 PERCENT REL. H.H. DAY)												PHOC. DATE - MONTH 7 DAY 23 HR. 13.4		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)														
		FREQ. (0. 10. 16.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.59) (1.78) (1.92) (2. 3. 4. 5. 6. 7. 8. 9. 10.)														
		RADIAL 17. FT.														
		VEHICLE UTWSIM														
		CONFIC 605														
		LOC SCHENECTADY														
		DATE 5/12/75														
		RUN 5/7														
		TAFE														
		FAR 29.7 HG														
		(100189. N/M2)														
		TAMB 59. DEG F														
		(288. DEG K)														
		TREF 57. DEG F														
		(287. DEG K)														
		HACT 11.38 GM/H3														
		(1.01138 KG/H3)														
		NFA 10790. RPM														
		(1130. RAD/SEC)														
		NFK 10790. RPM														
		(1130. RAD/SEC)														
		NFD 11917. RPM														
		(1206. RAD/SEC)														
		NO. OF BLADES 18														
		FAN TIP SPEED														
		942. FT/SEC														
	100	68.6	67.3	67.0	65.8	69.8	65.5	68.0	71.5	71.3	71.6	71.1	69.8	103.8		
	125	77.1	77.0	75.8	75.1	74.3	73.0	71.0	72.8	73.3	72.6	72.8	74.8	107.8		
	150	77.6	76.3	75.8	77.4	77.1	75.5	73.8	74.8	74.0	72.8	74.3	73.9	106.5		
	200	78.8	81.0	80.8	80.1	79.8	79.8	79.0	80.3	79.3	75.8	73.8	71.9	102.8		
	250	85.8	84.3	84.5	83.6	83.3	82.0	81.7	82.8	81.7	80.3	78.0	76.3	105.3		
	315	88.1	88.3	87.3	87.1	84.8	82.5	81.7	82.0	80.5	79.3	77.8	76.8	110.2		
	400	85.3	84.8	85.0	85.6	83.8	83.5	81.5	81.6	77.8	78.9	74.3	74.1	114.0		
	500	81.8	82.5	82.8	82.8	80.8	80.0	78.8	79.8	77.8	76.8	74.5	71.9	112.8		
	630	81.8	81.8	82.3	82.7	81.8	80.6	78.5	78.6	75.8	74.1	72.3	70.4	112.2		
	800	83.1	82.5	82.8	83.8	82.8	82.5	81.5	80.8	77.5	74.8	72.5	70.8	113.7		
	1000	84.1	83.3	81.3	81.9	83.8	83.5	82.7	81.1	77.5	75.3	74.0	70.9	114.1		
	1250	83.3	82.8	82.3	82.2	81.8	79.8	78.5	77.4	74.3	71.9	69.0	65.9	111.7		
	1600	81.9	81.1	80.6	79.9	79.9	78.3	76.0	75.1	72.4	70.4	67.0	63.7	109.7		
	2000	82.1	81.3	80.5	80.2	79.8	78.5	77.7	76.4	73.6	71.4	68.5	65.7	110.3		
	2500	84.3	86.8	85.8	85.4	85.3	83.2	80.9	80.9	77.4	76.7	73.2	69.4	115.1		
	3150	89.1	87.8	87.7	87.2	86.3	86.2	83.6	85.1	81.1	81.5	88.5	80.8	127.7		
	4000	86.3	86.5	86.7	86.4	85.5	84.8	82.3	82.8	79.8	78.9	75.8	70.8	110.3		
	5000	87.9	88.2	87.1	86.5	85.7	83.7	83.2	83.2	80.5	77.8	76.0	71.8	110.8		
	6300	96.1	95.9	95.8	96.5	94.4	94.3	91.7	91.7	88.8	87.0	85.2	82.0	125.7		
	8000	90.4	91.8	91.2	91.1	89.4	88.4	86.4	86.8	84.0	82.8	80.4	75.8	120.7		
	10000	95.8	96.8	95.5	96.3	94.7	93.1	91.8	91.8	88.7	87.4	85.1	80.4	125.8		
	12500	94.1	94.9	94.7	94.8	93.4	92.1	90.9	90.1	89.0	86.8	84.1	79.5	124.9		
	16000	92.8	93.5	93.6	93.3	92.0	91.3	89.3	89.4	88.1	84.3	83.3	78.3	124.0		
	20000	92.5	92.1	92.7	93.0	91.6	90.8	89.1	88.9	87.3	83.8	82.6	77.4	123.8		
	25000	91.1	91.0	90.9	91.2	90.4	88.8	87.4	87.3	85.2	82.2	81.1	75.0	122.0		
	31500	89.0	89.5	88.9	89.0	88.3	86.9	85.0	85.3	83.8	80.8	78.4	71.9	121.9		
	40000	85.4	86.0	85.3	85.1	84.1	82.9	81.7	81.5	80.7	76.3	73.9	68.2	119.4		
	50000	79.8	80.8	80.5	81.1	79.3	77.8	77.5	77.9	76.9	71.4	70.0	63.4	119.8		
	63000	72.8	76.4	74.0	74.1	72.3	71.2	71.6	75.1	71.5	67.3	64.0	59.1	114.8		
	80000	71.4	77.5	70.8	72.2	71.1	71.7	71.9	74.8	72.2	69.2	62.0	62.8	117.8		
OVERALL MEASURED																
OVERALL CALCULATED		104.8	104.8	104.4	104.8	103.3	102.4	100.8	100.9	98.3	96.7	94.5	89.8	128.1		
PND8		117.6	117.0	116.7	116.4	115.5	114.9	112.8	113.7	110.2	109.8	107.1	101.5			

Run 5/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM NOISE DATA (59. DEC. P. 70 PERCENT REL. HUM. DAY)														
FREQ. (0. 10. 12. 15. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 150. 180. 200.)	ANGLES FROM INFLY IN DEGREES (AND RADIANS)													
	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 150. 180. 200.													
50	38.8	45.9	51.9	54.2	54.4	53.8	55.6	55.3	54.2	55.6	54.7			
63	42.9	50.4	54.2	56.7	58.4	58.9	60.9	59.4	58.1	58.9	52.5			
SIDELINE 500. FT.	80	45.3	53.6	57.3	59.8	60.4	61.4	63.2	62.6	61.3	58.9	56.8		
(152.40 M)	100	48.6	55.2	60.5	60.8	60.7	61.2	62.3	61.2	60.2	58.5	58.8		
NFA 3039. RPM	125	44.4	53.1	58.6	59.8	61.4	60.7	61.6	58.3	57.5	54.6	54.1		
(318. RAD/SEC)	160	41.4	50.1	55.2	58.4	57.6	57.7	59.6	58.1	57.0	54.8	51.7		
NFA 3039. RPM	200	39.8	49.3	54.8	57.1	57.9	57.2	58.2	55.9	54.3	52.4	50.0		
(318. RAD/SEC)	250	37.7	49.2	55.1	57.8	59.6	60.6	60.2	57.4	54.6	52.4	50.0		
NFD 3244. RPM	315	39.6	47.1	53.2	58.4	60.3	60.9	60.2	57.2	55.2	53.7	50.0		
(340. RAD/SEC)	400	34.1	47.4	53.0	56.1	56.2	56.4	56.2	53.7	51.5	48.5	44.8		
AIRFLOW RATIO	500	35.3	45.0	50.3	53.7	54.4	53.6	53.8	51.5	49.8	46.2	42.3		
WFZHM 12.60	630	34.4	44.2	50.0	53.3	54.1	55.1	54.7	52.5	50.5	47.4	44.0		
VEHICLE UTASIM	800	38.5	48.6	54.6	58.3	58.6	57.9	58.9	56.0	55.5	51.9	47.4		
CONFIG G02	1000	45.0	59.7	65.7	68.8	71.2	70.3	72.0	69.4	70.0	68.8	58.4		
LOC SCHEMECTADY	1250	35.0	47.6	54.2	57.4	59.1	58.6	60.1	57.8	57.1	53.6	48.2		
DATE 5/12/75	1600	34.5	46.8	53.5	56.9	57.7	59.0	60.1	58.0	55.4	53.8	48.7		
RUN 5/7	2000	39.8	54.0	62.5	64.9	67.7	66.9	68.1	65.8	64.3	62.3	58.5		
TAPE	2500	33.1	48.2	56.3	59.4	61.3	61.2	62.8	60.7	59.6	57.1	51.7		
FAN TIP SPEED	3150	33.7	50.6	60.2	63.6	65.2	65.9	67.1	64.8	63.7	61.2	55.7		
942. FT/SEC	4000	25.7	46.6	55.4	60.7	62.9	63.8	64.5	64.2	62.2	59.2	53.8		
5000	5000	20.9	43.9	54.2	58.7	61.6	61.9	63.4	62.9	59.4	58.1	52.3		
6300	6300	8.9	37.9	50.5	55.7	59.0	59.9	61.3	60.6	57.2	55.9	49.8		
8000	8000		28.1	43.4	50.5	53.7	55.4	57.3	56.1	53.5	52.1	45.0		
10000	10000		15.0	33.8	43.0	47.4	49.2	51.8	51.5	48.7	46.1	38.4		
OVERALL CALCULATED		54.9	64.8	71.1	74.0	75.9	78.7	77.3	75.1	74.1	71.6	66.9		
PNDB		59.7	73.9	82.3	85.9	87.7	88.1	89.4	87.3	85.8	83.4	78.3		
50	49.2	55.7	60.9	62.8	62.8	62.1	63.9	63.5	62.4	63.8	63.0			
63	53.5	60.5	63.5	65.5	67.0	67.3	69.3	67.7	64.8	63.2	60.9			
SIDELINE 200. FT.	80	56.3	64.0	66.8	68.8	69.1	70.8	71.7	71.1	69.8	67.4	65.3		
(60.96 M)	100	59.9	68.9	70.2	70.0	69.6	69.9	70.9	69.8	68.7	67.1	65.5		
125	56.0	64.1	68.5	69.1	70.5	69.6	70.3	67.0	66.2	63.5	62.9			
160	53.3	61.4	65.4	66.0	66.9	66.7	68.5	66.9	65.9	63.7	60.6			
200	52.1	60.9	65.2	66.9	67.3	68.4	67.2	64.9	63.3	61.4	59.0			
250	52.3	61.1	65.8	67.8	69.2	69.3	69.4	66.5	63.7	61.5	59.2			
315	52.6	59.4	64.1	66.6	70.0	70.4	69.6	66.4	64.4	62.9	59.3			
400	51.5	60.1	64.2	66.5	66.2	66.1	65.7	63.1	60.9	57.9	54.3			
500	49.3	58.1	61.8	64.4	64.6	63.5	63.4	61.1	59.3	55.8	51.9			
630	48.9	57.7	61.8	64.2	64.7	65.1	64.6	62.3	60.2	57.2	53.9			
800	53.7	62.6	66.9	68.5	69.2	68.2	68.0	65.9	65.4	61.8	57.5			
1000	64.0	74.2	78.4	80.3	82.1	80.8	83.1	79.8	80.1	76.9	68.6			
1250	61.9	62.7	67.3	69.3	70.3	69.3	70.6	68.1	67.4	64.0	58.7			
1600	62.5	62.7	67.1	69.2	69.3	70.0	70.9	68.7	68.0	64.2	58.8			
2000	59.2	70.7	76.7	77.7	79.6	78.4	79.2	76.9	75.2	73.2	69.6			
2500	54.1	65.8	71.1	72.5	73.6	73.0	74.2	71.9	70.5	68.4	63.1			
3150	57.4	69.4	75.8	77.5	78.1	78.2	79.1	76.5	75.3	72.9	67.6			
4000	53.3	67.5	73.5	75.7	76.7	76.9	77.1	75.5	74.5	71.8	66.5			
5000	50.7	65.9	72.0	74.3	75.8	75.4	76.4	75.7	72.1	70.9	65.3			
6300	45.3	63.2	70.6	73.1	74.8	74.8	75.6	74.5	71.0	69.9	64.1			
8000	34.1	54.6	67.1	70.6	71.8	72.3	73.4	71.9	69.1	67.8	61.1			
10000	22.0	52.8	62.4	67.9	68.7	68.9	70.6	69.7	66.7	64.3	57.2			
OVERALL CALCULATED		67.2	79.4	84.5	86.3	87.6	87.1	86.3	86.1	84.8	82.4	77.4		
PNDB		79.7	91.7	97.6	99.6	100.4	100.3	101.2	99.0	97.4	95.1	90.0		

Run 5/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PHCC DATE - MONTH 7 DAY 23 HR. 13.4
 MODEL SOUND PRESSURE LEVELS (59. DEC. F. 79 PERCENT REL. HUM. DAY)
 ANGLES FROM INFLY IN DEGREES (AND RADIANS)

		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PML
	FREQ	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																			
	63																			
	80																			
RADIAL 17. FT.																				
VEHICLE 5. M	100	65.1	63.5	63.3	61.3	60.6	62.0	65.4	66.0	67.7	67.9	67.3	66.4							99.0
CONFIG UT-SIM	125	73.6	73.3	73.8	72.1	71.1	69.1	69.2	70.3	72.2	71.6	72.3	73.2							100.4
LOC SCHEMECTADY	160	75.3	74.0	73.6	74.6	74.1	72.9	71.2	73.5	71.9	71.6	73.3	73.4							100.0
DATE 5/12/75	200	77.3	78.0	80.3	79.3	78.6	79.4	78.7	79.3	75.2	72.1	69.5	68.4							110.7
RUN 5/9	250	79.0	78.0	77.6	77.3	76.3	75.9	75.4	76.0	74.9	74.3	73.0	71.6							109.0
TAPE	315	79.6	80.5	79.6	78.8	77.1	76.1	74.7	75.5	73.9	72.6	71.3	70.6							109.0
BAR 29.7 HG	400	76.1	76.3	76.1	76.3	75.8	75.6	73.7	74.3	72.2	70.4	69.5	69.1							107.2
(00189. N/112)	500	73.1	72.5	72.1	70.8	70.1	69.9	69.9	70.6	69.7	68.9	68.8	67.9							103.5
TAMB 59. DEG F	630	74.3	73.6	73.1	72.3	73.6	73.0	72.7	73.1	72.2	71.4	72.3	71.9							106.3
(268. DEG K)	800	89.8	88.3	87.8	82.8	85.1	87.1	86.2	85.8	82.2	79.4	77.5	75.6							117.5
TMET 57. DEG F	1000	86.3	86.0	86.6	86.6	87.3	86.9	85.4	85.3	83.0	80.4	77.8	75.0							110.1
(267. DEG K)	1250	77.8	78.3	79.4	79.4	78.8	82.9	83.8	81.1	78.5	77.4	75.5	71.6							113.8
HACT 11.38 GR/M3	1600	63.1	64.3	64.1	63.6	63.1	63.6	63.6	62.9	60.0	78.7	76.0	71.7							118.3
(.01138 KG/M3)	2000	60.1	69.8	90.3	91.1	90.3	89.1	89.1	89.8	88.0	83.7	81.0	77.4							121.3
NFA 11356. RPM	2500	84.3	87.1	85.6	85.1	82.8	82.8	81.6	82.6	80.0	79.0	75.5	71.2							119.3
(1189. RAD/SEC)	3150	93.3	91.5	91.5	96.9	90.3	92.5	87.5	87.8	87.5	83.5	81.7	77.8							122.8
NFK 11356. RPM	4000	87.5	87.5	86.5	87.3	85.5	85.7	82.7	82.8	82.0	78.7	76.1	72.6							116.9
(1189. RAD/SEC)	5000	83.4	83.7	83.1	83.0	81.9	80.8	79.4	80.0	77.7	75.7	73.0	68.3							113.1
NFD 11517. RPM	6300	67.4	67.9	66.9	66.5	65.9	65.1	63.3	62.2	79.8	77.8	76.7	72.8							110.7
(1206. RAD/SEC)	8000	64.9	65.8	64.5	64.3	63.7	62.8	60.3	60.0	77.6	75.7	73.7	69.9							114.8
NO. OF BLADES 18	10000	86.9	87.4	86.8	85.5	84.5	83.2	82.3	81.8	79.4	77.7	75.8	71.6							115.0
FAN TIP SPEED 992. FT/SEC	12500	85.9	85.9	85.5	84.8	83.6	82.7	80.8	80.1	78.7	76.1	74.8	70.2							119.2
	16000	84.1	83.3	83.4	82.8	82.3	81.4	79.0	78.9	76.7	73.9	72.8	68.5							113.7
	20000	83.2	83.4	82.5	81.7	81.8	80.6	78.6	78.1	75.9	73.1	71.9	66.9							113.8
	25000	80.8	81.3	79.7	79.9	78.8	78.9	76.1	75.8	73.9	71.7	69.8	65.5							111.0
	31500	78.8	78.5	78.0	77.6	76.1	77.0	74.4	74.6	72.4	69.1	67.6	62.8							111.1
	40000	74.9	75.0	74.1	74.1	73.1	72.5	70.6	70.7	69.6	65.3	63.6	59.5							108.5
	50000	70.6	70.8	69.3	69.8	67.8	67.7	66.7	67.4	66.3	61.5	61.5	57.7							109.1
	63000	67.3	67.7	63.5	64.3	62.1	62.8	62.8	65.9	62.7	59.1	60.2	57.3							105.1
	80000	71.4	70.3	61.1	63.1	61.4	62.6	62.0	65.6	62.4	59.5	62.0	60.8							109.4
OVERALL MEASURED																				
OVERALL CALCULATED		99.5	99.2	98.5	98.3	97.7	98.0	96.1	95.9	93.8	91.4	89.4	86.5							100.4
PMSB		113.2	112.4	112.1	111.6	111.0	112.1	109.0	109.1	107.8	104.9	103.0	99.7							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ. (Hz)		100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300
SIDELINE 500 FT.	50	36.5	44.0	49.1	51.2	51.8	51.2	54.4	53.2	52.0	54.6	54.2			
(1152.40 M)	100	40.6	50.0	53.8	55.4	58.0	58.5	59.9	58.3	53.3	58.8	49.0			
NFA 3199 RPM	125	39.1	46.7	51.0	52.8	54.2	55.0	57.2	55.8	55.4	53.9	52.0	50.8		
(.335 RAD/SEC)	150	40.9	48.2	52.2	53.3	54.3	54.1	55.8	54.8	53.7	51.0	50.1	49.1		
NFK 3199 RPM	200	35.9	44.2	49.3	51.7	53.5	52.9	54.3	52.7	51.0	50.1	49.1	47.7		
(.335 RAD/SEC)	250	31.3	39.6	43.4	45.7	47.5	48.9	50.4	50.0	49.3	49.1	47.7	47.7		
NFL 3244 RPM	315	31.1	40.1	44.5	48.9	51.0	51.4	52.7	52.3	51.6	52.4	51.5	51.5		
(.340 RAD/SEC)	400	45.5	50.0	54.6	58.0	64.2	64.6	65.2	62.1	59.4	57.4	55.0	55.0		
AIRFLOW RATIO	500	44.3	52.4	57.9	61.9	63.6	63.6	64.5	62.6	60.2	57.4	55.0	50.5		
WZ/M 12:00	600	33.6	44.5	50.4	53.1	59.3	61.6	60.0	57.9	57.0	55.0	50.3	50.3		
VEHICLE UTASIM	800	38.5	46.5	53.9	56.9	59.8	61.3	61.5	59.2	58.1	55.2	50.3	50.3		
CONFIG C02	1000	42.9	54.0	60.9	63.8	64.9	66.5	67.0	64.9	62.8	59.9	55.8	53.4		
LOC SCHEMECTADY	1250	39.5	51.2	58.3	61.3	62.5	64.1	64.6	62.6	60.5	57.8	53.4	53.4		
DATE 5/12/75	1500	41.8	53.5	59.4	62.8	67.2	64.2	65.8	65.8	62.0	60.0	55.6	50.9		
RUN 5/9	2000	36.0	47.4	55.2	57.4	60.2	59.3	60.1	59.9	56.9	54.1	49.9	49.9		
TAPE	2500	30.0	42.8	50.0	53.5	58.0	58.8	57.4	55.5	53.4	50.8	46.2	46.2		
FAN TIP SPEED	3150	31.8	45.3	52.7	56.4	58.5	58.6	58.6	56.8	55.1	53.8	49.2	49.2		
991. FT/SEC	4000	27.1	41.5	49.5	53.6	55.7	55.1	56.0	54.3	52.6	50.4	45.8	45.8		
	5000	24.5	41.6	49.3	53.4	55.2	56.3	56.4	55.4	54.0	51.7	47.0	47.0		
	6300	18.7	37.4	46.6	50.9	53.5	53.8	54.4	53.8	51.5	50.0	44.8	44.8		
	8000	10.7	33.7	43.6	48.9	51.6	51.5	52.9	51.6	49.0	47.6	42.5	42.5		
	10000	8.2	32.7	39.1	46.0	49.8	49.3	50.4	49.2	46.7	45.2	39.3	39.3		
OVERALL CALCULATED			16.9	32.1	39.0	43.6	44.1	45.7	44.8	43.0	40.8	35.5	35.5		
PHOC			4.1	22.5	32.8	37.2	38.6	41.0	40.2	37.2	35.3	29.4	29.4		
		52.2	61.5	67.9	70.8	73.5	73.6	74.2	72.6	70.3	68.2	64.0	64.0		
		55.5	68.0	75.3	79.0	81.9	82.1	82.6	81.3	79.3	77.2	73.8	73.8		

SIDELINE 200 FT.	50	47.0	53.6	58.1	59.8	60.2	59.5	62.6	61.4	61.0	62.8	62.5			
(60.96 M)	63	51.3	60.1	62.8	64.2	66.6	67.0	68.3	64.6	61.7	59.0	57.4			
	80	50.1	57.1	60.8	61.8	63.0	63.6	65.7	64.3	63.8	62.4	60.5			
	100	52.2	58.9	61.8	62.5	63.1	62.8	64.4	63.2	62.3	60.8	53.5			
	125	47.5	55.1	59.2	61.1	62.5	61.7	63.1	61.4	59.7	58.8	57.9			
	150	43.3	50.9	53.5	55.2	56.7	57.9	59.3	58.8	58.2	57.9	58.6			
	200	43.3	51.7	54.9	58.6	60.4	60.5	61.7	61.3	60.6	61.4	60.5			
	250	58.1	61.9	65.2	70.0	73.8	73.9	74.4	71.2	68.5	66.5	64.2			
	315	57.3	64.7	68.8	72.1	73.4	73.1	73.8	71.9	69.4	66.7	64.3			
	400	47.0	57.1	61.6	63.5	69.3	71.2	69.5	67.3	66.4	64.4	59.0			
	500	52.5	61.6	65.5	67.6	69.9	71.1	71.2	68.8	67.6	64.8	59.9			
	630	57.4	67.5	72.8	74.7	75.3	76.5	76.8	74.7	72.5	69.7	65.6			
	800	54.7	65.2	70.5	72.5	73.1	74.4	74.7	72.6	70.4	67.5	63.5			
	1000	57.7	68.0	72.0	74.3	78.4	74.7	75.8	76.0	72.1	70.1	65.8			
	1250	62.9	62.5	68.2	69.3	71.4	70.1	70.8	70.3	67.2	64.5	60.4			
	1500	48.0	58.7	63.6	65.8	68.5	67.9	68.2	66.1	64.0	61.2	57.8			
	2000	51.2	62.0	66.9	69.2	70.4	70.0	69.7	67.8	66.0	64.7	60.3			
	2500	48.1	59.1	64.3	68.8	68.0	66.8	67.5	65.8	63.8	61.6	57.3			
	3150	46.1	60.5	65.0	67.3	68.1	68.6	68.3	67.2	65.6	63.4	58.9			
	4000	44.2	58.3	63.6	65.9	67.3	66.8	67.1	66.2	63.8	62.4	57.2			
	5000	40.4	55.7	61.4	64.5	65.9	65.1	65.9	64.3	61.7	60.4	55.6			
	6300	36.6	53.0	59.3	63.3	64.6	64.2	64.8	63.2	60.8	59.1	53.8			
	8000	28.3	47.4	55.7	59.1	61.7	61.0	61.9	60.6	58.7	56.6	51.6			
	10000	18.0	41.8	51.1	59.7	58.8	58.3	59.8	58.4	55.3	53.8	48.2			
OVERALL CALCULATED		66.0	75.1	79.7	82.8	84.1	83.8	84.2	82.6	80.2	78.0	74.6			
PHOC		73.5	85.0	89.9	92.3	93.8	93.9	94.0	92.8	90.8	88.8	84.4			

Run 5/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 23 HR. 13.6													
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0.)													
		50 63 80													
RADIAL 17. FT.															
1 5. M)															
VEHICLE UTWSIM		100	64.5	63.5	62.8	61.1	60.6	62.1	65.2	67.3	67.4	67.8	67.1	65.6	91.5
CONFIG G02		125	73.0	72.5	73.1	71.6	70.3	68.9	69.2	70.3	71.9	72.4	72.3	74.8	105.8
LOC SCHENECTADY		160	75.2	73.8	73.3	73.8	73.8	72.4	70.9	73.0	72.4	71.9	72.8	73.6	106.5
DATE 5/12/75		200	77.7	79.0	80.8	79.1	78.3	78.6	79.2	79.8	75.4	71.3	69.3	88.1	110.7
RUN 5/10		250	77.7	77.3	76.6	75.5	74.8	74.4	74.2	75.0	73.7	73.3	72.0	70.8	107.7
TAPE		315	78.0	78.8	78.3	77.3	75.6	74.6	73.4	74.3	72.7	72.1	70.5	70.1	107.2
BAR 29.7 HG		400	74.7	75.0	74.3	74.1	73.6	73.1	72.4	73.5	71.7	69.8	69.0	68.9	105.8
(00189. N/M2)		500	71.7	71.3	70.9	69.6	68.3	68.1	67.9	70.1	68.2	67.4	66.8	65.6	102.8
TAMB 59. DEG F		630	72.8	72.0	70.9	71.1	71.8	71.6	70.7	72.3	70.0	69.4	70.1	70.4	104.8
(286. DEG K)		800	87.2	86.3	82.1	83.1	85.8	86.6	85.7	85.3	82.2	79.9	77.5	75.6	117.2
TMT 57. DEG F		1000	86.8	85.5	85.4	86.1	86.8	86.4	84.1	84.1	81.5	79.6	76.5	74.9	117.1
(287. DEG K)		1250	76.0	76.5	76.1	79.1	77.3	82.9	81.9	78.6	77.5	76.2	73.3	70.1	112.2
MACT11.36 GM/M3		1600	85.0	86.3	87.9	87.6	87.3	87.4	86.4	85.4	83.3	82.2	78.5	74.9	110.6
(01136 KG/M3)		2000	90.5	89.3	90.3	92.1	90.8	89.3	88.6	89.1	86.0	83.5	80.3	77.2	121.5
NFA 11480. RPM		2500	83.3	86.1	85.1	83.9	84.3	84.1	83.1	84.4	81.8	81.0	77.0	72.9	116.2
(1202. RAD/SEC)		3150	91.7	91.5	88.5	93.6	90.0	89.5	85.5	87.1	84.5	83.5	82.7	74.4	121.2
NFK 11460. RPM		4000	87.2	87.7	86.2	89.0	86.2	84.9	81.9	82.8	80.5	79.7	78.1	71.1	117.1
(1202. RAD/SEC)		5000	82.4	82.2	82.4	82.0	81.1	79.8	78.9	78.7	77.2	75.2	72.8	68.0	112.3
NFD 11517. RPM		6300	85.3	86.4	85.2	84.9	84.1	83.6	80.8	79.9	77.8	76.5	74.7	70.3	114.9
(1206. RAD/SEC)		8000	83.4	83.6	83.5	83.3	82.2	81.5	78.6	78.8	78.4	74.7	72.4	68.9	113.1
NO. OF BLADES 18		10000	85.5	85.4	84.8	84.5	83.9	81.5	80.5	79.3	77.4	76.2	74.4	69.9	114.4
FAH TIP SPEED 18		12500	84.8	84.4	83.7	82.8	82.1	81.7	78.3	78.3	76.2	74.1	72.8	68.5	113.4
IC02. FT/SEC		16000	82.5	81.5	81.4	81.3	81.0	79.9	76.7	76.9	75.2	72.4	70.6	67.0	112.1
		20000	81.9	81.4	80.8	80.2	80.8	79.1	76.3	76.1	74.7	71.8	69.6	65.7	111.9
		25000	79.5	79.0	78.5	78.4	78.1	77.1	74.1	73.8	72.4	69.7	67.8	63.8	110.3
		31500	76.9	77.2	76.5	76.6	76.8	75.2	72.4	72.8	70.9	67.6	65.6	61.4	109.8
		40000	73.1	73.5	72.1	72.6	71.9	71.2	68.3	68.7	67.8	63.8	62.2	58.7	108.8
		50000	67.8	69.3	67.5	69.3	68.8	65.9	65.2	66.2	65.1	60.7	60.5	57.4	105.8
		63000	62.3	67.9	62.5	65.1	61.6	61.8	61.7	66.9	62.7	59.4	60.7	57.8	105.3
		80000	61.5	70.5	61.1	62.8	61.4	62.3	62.0	66.1	62.4	59.5	62.0	60.3	109.4
OVERALL MEASURED															
OVERALL CALCULATED			98.4	98.3	97.6	99.0	97.7	97.2	95.4	95.6	93.1	91.5	89.3	85.8	129.8
PNDR			111.9	112.0	110.3	113.0	110.8	110.4	107.8	108.5	106.2	104.9	103.4	97.9	

Run 5/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 MR. 1964

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ. (0)	ANGLES FROM INLET IN DEGREES (AND RADIAN)											0																																																																																																																																																																																																																																																																			
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SIDELINE 500. FT. (152.40 M)	50	36.3	43.5	48.3	50.9	51.3	51.0	53.9	53.7	53.3	54.1	54.5	63	49.8	50.5	53.2	55.2	57.3	59.0	60.4	58.5	52.8	50.4	48.8																																																																																																																																																																																																																																																								
NFA 3234. RPM (339. RAD/SEC)	100	38.3	45.7	49.3	51.3	52.7	53.8	55.5	54.6	54.4	52.9	51.3	125	34.7	42.4	47.0	49.5	51.0	51.6	53.6	52.2	50.3	49.6	48.9	160	30.1	38.4	42.1	43.9	45.7	46.9	49.9	48.5	47.8	47.1	45.4	200	30.1	37.8	43.2	47.1	49.0	49.4	51.9	50.1	49.6	50.2	50.0	250	43.2	46.5	54.8	60.8	63.7	64.1	64.7	62.1	59.9	57.4	55.0	NFD 3244. RPM (340. RAD/SEC)	315	41.8	51.1	57.4	61.4	63.1	62.4	63.2	61.1	59.5	56.2	54.0	400	31.8	43.2	49.9	51.9	59.3	59.8	57.5	58.9	55.8	52.7	49.0	AIRFLOW RATIO	500	40.5	52.3	57.9	61.2	63.5	64.0	64.0	62.5	61.6	57.7	53.5	NEZWH 12x60	630	42.4	54.0	61.9	64.3	65.1	66.0	67.5	64.9	62.6	59.2	55.8	800	39.0	51.2	59.3	61.8	62.7	63.6	65.1	62.6	60.3	56.9	53.2	VEHICLE UTBSH CONFIG CO2	1250	41.8	50.5	62.2	62.5	64.5	62.2	64.8	62.8	62.0	61.0	59.1	1600	36.2	47.2	56.9	58.2	59.5	58.8	60.4	58.4	57.9	56.1	48.4	LOC SCHEMECTADY	2000	38.5	42.1	51.0	54.0	55.2	56.3	57.9	55.5	53.1	50.3	46.0	DATE 5/12/75	2500	30.3	43.5	50.9	54.6	57.0	56.1	56.3	54.8	53.8	51.8	46.7	RUN 5/10	3150	24.9	40.5	49.5	52.1	54.4	53.4	54.8	53.1	51.8	49.1	44.9	TAPE	4000	22.5	39.6	48.3	52.4	53.5	54.6	54.6	53.4	52.5	50.4	45.2	FAN TIP SPEED	5000	15.2	35.7	44.6	49.4	52.5	51.3	52.7	51.3	49.5	48.0	42.8	1002. FT/SEC	6300	5.9	31.7	42.1	47.7	50.1	49.3	50.9	50.1	47.5	45.4	41.0	8000-	35.9	45.9	57.6	65.0	67.3	67.1	68.6	68.0	65.2	62.9	58.1	10000-	2.6	21.5	31.5	35.7	36.6	39.0	38.7	35.7	33.3	27.8	OVERALL CALCULATED PNDR	51.1	61.0	68.5	71.0	72.9	72.9	74.1	72.0	70.4	68.0	64.3	64.5	67.4	75.7	78.7	80.6	80.8	82.1	80.1	78.6	74.2	71.5

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OF POOR QUALITY

Run 5/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. 70 PERCENT REL. HUM. DAY)														PROC. DATE - MONTH 7 DAY 23 HR. 13.8				
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																		
FREQ.		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	0°	0°	0°	0°	0°	PWL
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
RADIAL 17. FT.	50																			
	63																			
	80																			
VEHICLE (5. M)	100	63.7	62.8	62.8	60.6	62.3	61.6	64.9	67.8	67.2	67.4	66.6	65.4							99.4
CON.FIG UTHSIM	125	72.5	71.8	72.6	70.8	69.6	67.9	68.9	70.5	71.7	72.4	72.6	73.9							100.1
LOC SCHENECTAAY	160	75.0	73.0	72.6	73.1	73.1	71.9	70.7	73.3	72.2	71.9	73.6	73.6							100.3
DATE 5/12/75	200	76.7	77.3	79.6	78.3	78.1	78.6	78.9	79.5	74.7	71.6	69.0	68.4							100.4
RUN 5/11	250	76.0	75.3	74.8	74.3	73.0	72.4	72.7	73.8	72.2	71.8	71.3	70.3							100.3
TAPE	315	76.2	76.8	76.1	75.3	74.1	73.1	71.7	73.3	71.4	71.1	69.5	69.1							100.2
EAR 29.7 HG	400	73.7	73.5	72.6	72.3	72.6	72.4	71.7	72.8	71.2	69.6	68.5	68.1							100.9
100189. H/M2)	500	70.2	70.0	69.6	68.1	67.6	67.1	67.7	70.1	67.7	66.6	65.3	64.1							101.2
TAMB 59. DEG F	600	72.8	72.3	71.1	70.6	71.8	72.1	70.9	74.8	70.5	68.6	67.8	67.6							104.8
(266. DEG K)	800	87.0	87.0	84.1	80.6	83.6	86.1	84.9	86.1	83.0	81.1	78.5	75.6							112.1
INLET 57. DEG F	1000	82.7	82.8	82.1	81.8	84.6	84.9	82.9	84.1	81.2	78.1	73.3	71.4							118.4
(207. DEG K)	1250	74.3	75.5	76.9	79.9	77.3	79.9	78.1	78.1	77.7	74.9	73.0	68.8							118.7
HACT 11.38 GM/M3	1500	83.5	86.6	91.4	91.6	89.6	89.4	68.9	88.1	85.3	84.0	80.0	74.7							121.1
1.01138 KG/M3)	2000	87.5	85.8	87.6	88.4	86.1	84.3	83.4	83.4	81.3	78.2	76.8	73.2							117.0
NFA 11603. RPM	2500	84.0	85.6	83.8	81.6	83.3	83.6	82.6	83.6	81.3	80.0	76.5	72.2							115.4
(1215. RAD/SEC)	3150	89.5	88.8	86.3	88.1	85.5	83.0	84.0	82.6	82.5	79.5	78.8	71.9							117.9
NFF 11603. RPM	4000	86.2	86.2	84.7	86.0	83.7	81.7	81.7	81.0	79.7	77.7	74.6	70.1							115.0
(1215. RAD/SEC)	5000	81.4	80.4	79.1	79.0	78.9	77.3	75.9	76.0	74.9	72.4	70.8	65.5							109.7
NFD 11517. RPM	6300	83.8	83.7	83.7	82.9	82.4	79.9	77.8	77.7	75.5	74.3	73.2	68.0							112.8
(1200. RAD/SEC)	8000	82.4	82.6	82.5	82.0	81.7	80.0	76.6	76.3	73.6	72.9	70.4	66.9							111.7
NO. OF BLADES 18	10000	83.5	83.9	83.3	82.7	81.7	79.7	78.3	77.3	75.4	73.7	72.1	67.6							112.8
FAN TIP SPEED 18	12500	82.8	83.2	82.2	82.1	81.3	81.0	77.0	76.3	74.4	72.6	70.3	66.0							110.7
1013. FT/SEC	16000	80.7	80.0	80.1	80.0	79.8	78.6	75.7	75.6	73.0	70.4	68.6	65.3							110.4
	20000	80.6	79.6	79.0	78.5	78.8	78.1	75.3	74.6	72.9	69.9	67.9	63.7							100.0
	25000	77.7	78.0	77.0	76.9	76.8	75.6	72.8	72.6	70.4	67.2	65.8	61.3							100.0
	31500	75.9	75.7	75.2	75.1	75.8	74.7	71.1	72.6	69.4	66.1	64.4	59.9							100.0
	40000	71.3	72.0	70.8	71.3	70.9	70.0	67.6	69.9	66.1	62.6	61.2	57.5							100.0
	50000	66.8	67.6	66.8	67.3	65.5	65.2	64.5	71.9	64.3	60.0	60.0	56.9							100.0
	63000	62.0	63.7	62.0	63.1	61.3	61.8	61.2	72.1	61.7	58.9	60.2	57.3							107.2
	80000	61.5	64.8	61.1	62.6	61.4	62.3	62.0	71.6	62.4	59.5	62.0	64.3							111.4
OVERALL MEASURED																				
OVERALL CALCULATED		96.6	96.6	96.8	96.9	95.8	95.3	94.3	94.4	92.1	90.1	87.5	84.6							127.0
PND8		110.1	109.9	108.8	109.4	107.9	105.9	106.3	106.1	104.7	102.4	99.7	96.1							

Run 5/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.0

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAT)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (G.)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
	(0)	(.17)	(.35)	(.52)	(.70)	(.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0)	(.10)	(.20)	(.30)	(.40)
50	35.5	42.7	47.6	50.2	50.8	50.7	54.1	53.5	53.3	54.0	54.5	49.0					
63	36.1	42.2	46.4	48.9	50.3	50.9	52.8	55.2	52.8	50.1	49.0						
SIDELINE 500. FT. (152.46 M)	80	36.3	43.9	48.0	49.6	50.7	52.3	54.2	53.1	52.9	52.2	50.8					
NFA 3268. RPM (342. RAD/SEC)	100	37.1	44.7	48.7	50.3	51.1	51.1	53.5	52.1	52.0	50.2	49.3					
NFA 3268. RPM (342. RAD/SEC)	125	33.2	40.7	45.3	48.5	50.3	50.9	52.8	51.7	50.3	49.1	48.1					
NFA 3268. RPM (342. RAD/SEC)	150	28.8	37.1	40.6	43.2	44.7	46.6	49.9	48.0	47.1	45.6	43.9					
NFA 3268. RPM (342. RAD/SEC)	200	30.3	38.1	42.7	47.1	49.5	49.6	54.4	50.6	48.9	47.9	47.2					
NFA 3268. RPM (342. RAD/SEC)	250	44.2	50.5	52.3	58.5	63.2	63.4	65.5	62.8	61.2	58.4	56.0					
NFA 3244. RPM (340. RAD/SEC)	315	39.1	47.9	53.1	59.2	61.6	61.1	63.2	60.9	58.0	52.9	50.5					
NFA 3244. RPM (340. RAD/SEC)	400	30.8	42.0	50.7	51.6	58.1	56.1	57.0	57.2	54.5	52.5	47.8					
AIRFLOW RATIO	500	40.6	55.8	61.9	63.4	65.5	66.5	66.8	64.5	63.3	59.2	53.3					
AIRFLOW RATIO	630	38.9	51.3	58.2	59.5	60.1	60.7	61.7	60.2	57.3	55.4	51.5					
VEHICLE UTASIN	800	37.2	46.7	54.3	56.3	59.0	59.6	61.6	59.9	58.8	55.1	50.2					
VEHICLE UTASIN	1000	39.0	48.2	56.7	58.0	58.0	60.7	60.3	60.8	58.0	54.8	49.6					
CONFIG CO2	1250	34.7	45.7	53.9	55.7	58.2	58.0	58.4	57.7	55.9	52.6	47.4					
LOC SCHENECTADY	1500	36.7	38.8	45.9	50.1	51.3	51.6	52.8	52.5	50.2	48.1	42.4					
DATE 5/12/75	2000	27.6	42.0	48.9	52.9	53.3	53.1	54.1	52.6	51.6	49.3	44.5					
RUN 5/11	2500	23.9	39.5	47.3	51.9	52.9	51.4	52.3	50.3	49.9	47.1	42.9					
TAPE	3150	21.0	38.4	46.6	50.6	51.7	52.3	52.6	51.4	50.0	48.2	43.0					
FAH TIP SPEED	4000	14.0	34.2	43.9	48.7	51.7	50.0	50.7	49.6	48.9	45.5	40.3					
1013. FT/SEC	5000	7.4	30.4	40.8	46.4	48.9	48.3	49.6	47.8	45.5	43.4	39.3					
	6300		24.2	39.9	43.0	46.3	46.1	47.1	46.2	43.5	41.2	38.1					
	8000		14.2	29.1	37.0	40.6	40.8	42.5	41.3	38.5	36.8	31.2					
	10000		1.3	20.0	30.5	35.2	35.3	39.0	37.2	34.2	32.1	28.4					
OVERALL CALCULATED		49.9	60.3	68.4	68.8	71.0	71.6	72.8	70.9	69.2	66.3	63.0					
PNDP		52.7	67.1	74.2	77.1	79.2	79.7	80.7	78.9	77.2	74.1	69.4					

50	46.0	52.5	56.6	58.8	59.2	59.0	62.4	61.7	61.5	63.1	62.7						
63	48.8	59.3	61.6	63.7	65.8	67.2	68.5	64.1	61.2	58.5	57.4						
SIDELINE 200. FT. (60.96 M)	80	47.3	54.3	57.5	58.6	59.5	60.9	62.7	61.5	61.3	60.6	59.3					
	100	48.4	55.4	58.3	59.5	60.1	59.8	62.2	60.7	60.5	58.8	58.0					
	125	44.7	51.6	55.2	57.8	59.3	59.7	61.6	60.4	59.0	57.8	56.9					
	150	40.8	48.4	50.8	52.7	54.0	55.6	58.8	56.8	55.9	54.4	52.8					
	200	42.6	49.7	53.1	56.9	58.9	58.8	63.5	59.3	57.8	56.9	56.3					
	250	56.8	62.4	63.0	68.5	72.8	72.7	74.6	71.8	70.3	67.5	65.2					
	315	52.1	60.2	64.1	69.3	71.4	70.6	72.6	70.1	67.2	62.2	59.8					
	400	44.3	54.6	61.9	62.0	66.3	65.7	66.5	66.6	63.9	61.9	57.3					
	500	54.8	68.9	73.5	74.1	75.7	76.4	76.4	74.0	72.9	68.8	62.9					
	630	53.4	64.8	70.0	70.4	70.5	70.8	71.6	69.9	67.0	65.2	61.4					
	800	52.5	60.7	66.5	67.5	69.6	69.9	71.7	69.8	68.7	65.0	60.2					
	1000	55.0	62.8	69.3	69.6	68.9	71.2	70.6	71.0	68.1	64.9	59.9					
	1250	51.6	60.8	67.0	67.5	67.4	68.7	68.9	68.1	66.2	63.0	57.9					
	1500	44.8	54.7	59.8	62.5	62.9	62.7	63.7	63.1	60.8	58.7	53.2					
	2000	47.0	58.7	63.2	65.7	65.2	64.5	65.2	63.6	62.5	60.2	55.6					
	2500	44.9	57.1	62.0	64.8	65.2	63.1	63.7	61.8	61.1	58.4	54.3					
	3150	44.6	57.2	62.3	64.5	64.6	64.6	64.5	63.2	61.6	59.9	54.9					
	4000	41.5	55.0	60.9	63.7	65.5	63.1	63.3	62.0	60.3	57.9	53.0					
	5000	37.2	52.4	58.7	62.0	63.2	61.8	62.7	60.6	58.2	56.2	52.3					
	6300	32.8	49.5	56.0	60.3	62.1	60.9	61.3	60.2	57.3	55.1	50.4					
	8000	25.0	44.7	52.7	57.1	58.7	57.7	58.6	57.1	54.2	52.6	47.4					
	10000	14.2	39.1	48.6	54.5	56.6	55.1	57.8	55.4	52.3	50.3	45.2					
OVERALL CALCULATED		63.6	73.6	78.4	79.9	81.3	81.6	82.5	80.6	78.8	75.9	72.4					
PNDP		70.4	82.5	87.6	89.8	91.0	90.7	91.4	89.5	87.9	85.4	81.0					

Run 5/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELs (59. DEF. FC 70 DEF. CEM. EL. MUN. BAY)													PROC. DATE - MONTH 7 DAY 23 HR. 13.5					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	0°	0°	0°	0°	0°	0°
		FREQ. (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	PNL
RADIAL 17. FT.	50																			
	63																			
	80																			
VEHICLE (5. H)	100	63.5	62.3	62.3	60.8	60.1	61.9	64.4	67.0	66.7	67.1	66.7	66.0							99.1
CON.FIG 602	125	72.2	72.0	72.8	71.1	69.6	68.4	68.9	70.5	72.2	72.9	73.4	75.0							109.7
LOC SCHENECTADY	160	74.7	73.3	72.6	73.3	73.1	71.6	69.9	73.3	72.2	72.1	73.9	74.5							100.8
DATE 5/12/75	200	76.2	77.0	79.8	79.1	78.6	79.4	79.2	80.0	74.9	71.8	69.7	70.0							100.8
RUN 5/12	250	75.2	75.0	74.6	74.0	72.8	72.1	71.9	73.3	72.2	71.6	71.9	71.3							100.2
TAPE	315	74.7	75.5	75.1	74.3	73.1	72.4	70.7	72.3	70.9	70.3	69.4	69.3							100.4
BAR 29.7 HG	400	73.7	73.3	72.3	72.1	72.1	72.1	71.9	72.5	71.2	69.9	69.9	69.5							100.0
(00189. N/M2)	500	69.7	69.8	69.4	67.8	67.1	67.4	67.4	69.8	68.2	68.9	65.9	64.8							101.3
TANG 59. DEG F	630	73.0	72.8	71.1	70.8	71.8	72.1	70.4	73.3	71.2	68.9	68.4	68.3							104.6
(286. DEG K)	800	85.7	86.3	83.6	80.8	82.8	84.9	83.7	84.8	81.5	80.4	78.4	76.0							104.6
THE 57. DEG F	1000	82.0	83.5	83.6	81.6	85.1	85.4	83.6	84.3	80.7	78.1	74.2	70.5							110.1
(287. DEG K)	1250	73.6	74.5	76.1	80.1	77.8	79.6	77.4	76.9	76.0	73.7	73.2	69.3							115.0
HACT 11.38 GH/H3	1600	81.5	85.3	89.4	80.9	87.1	86.6	85.6	85.6	83.0	81.2	78.4	73.8							118.2
(0.1138 KG/H3)	2000	85.5	84.8	86.3	85.9	83.1	81.1	79.1	79.9	77.8	75.7	74.6	71.1							118.6
NFA 11712. RPM	2500	83.0	84.6	83.1	80.9	80.8	80.3	79.3	81.6	78.8	77.5	74.9	70.3							114.3
(1226. RAD/SEC)	3150	86.0	86.2	85.5	88.4	85.3	83.0	82.3	81.6	81.5	78.8	75.8	72.3							113.2
NFT 11712. RPM	4000	86.4	86.2	85.2	87.8	84.7	82.2	81.9	81.0	80.5	77.5	75.2	71.2							116.4
(1226. RAD/SEC)	5000	80.4	78.4	76.6	77.5	77.9	76.3	74.9	75.0	72.9	71.2	69.9	64.4							115.7
NFD 11517. RPP	6300	82.8	82.4	81.9	81.1	81.4	80.1	77.1	77.2	74.3	73.3	72.1	67.2							109.5
(1206. RAD/SEC)	8000	81.4	81.3	82.0	81.3	81.2	79.5	76.8	76.3	73.4	72.4	71.0	67.6							111.0
NO. OF BLADES 1A	10000	82.8	82.6	82.1	82.5	81.0	78.7	77.5	76.5	74.1	72.7	71.2	67.5							111.3
FAN TIP SPEED 16000	12500	83.0	82.2	81.5	81.3	80.6	80.5	76.3	75.3	73.4	71.4	70.0	66.4							111.7
1022. FT/SEC	16000	80.5	79.3	79.4	79.0	79.5	78.1	74.7	74.6	72.7	70.1	68.9	65.4							111.5
	20000	79.4	78.9	78.5	78.5	79.1	77.9	74.6	73.6	71.9	69.6	67.5	64.6							110.1
	35000	77.0	77.0	76.2	76.9	76.3	75.1	71.8	70.8	69.9	67.0	65.5	61.7							112.0
	31500	75.7	75.5	74.7	75.1	74.8	73.7	70.9	70.3	68.7	65.9	64.2	59.6							106.2
	40000	71.3	71.2	70.8	71.1	70.4	69.7	67.1	66.9	65.3	62.1	60.6	57.2							107.8
	50000	66.8	67.1	66.5	67.6	66.0	64.9	64.0	65.2	63.8	59.7	59.4	56.1							105.2
	63000	61.5	65.9	62.0	64.1	61.3	61.3	61.0	65.9	62.2	59.1	57.8	56.2							103.8
	80000	61.5	67.5	61.1	62.3	61.4	62.1	62.0	66.1	62.4	59.5	56.6	61.2							104.4
OVERALL MEASURED																				
OVERALL CALCULATED		95.6	95.7	95.9	96.0	94.8	94.2	92.7	93.1	90.8	88.9	87.0	84.6							120.4
PNR		109.0	108.4	109.0	109.2	107.3	105.9	104.8	104.9	103.6	101.4	99.3	96.1							

Run 5/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.5

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F @ 70 PERCENT REL. HUM. DATA)															
	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	50	35.8	42.7	47.5	50.2	50.5	50.0	54.1	53.5	53.5	55.2	55.4				
	63	38.8	42.5	47.2	52.4	58.0	59.0	60.7	58.0	53.1	50.8	50.7				
SIDELINE 500 Ft.	80	36.1	43.7	47.8	49.3	50.5	51.5	53.7	53.1	52.6	52.8	51.7				
(152.40 M)	100	35.2	43.2	47.7	49.3	50.5	50.1	52.5	51.6	51.2	50.1	49.5				
NFA 3299 RPM	125	32.9	40.4	45.0	48.0	50.0	51.1	52.6	51.7	50.5	50.4	49.6				
(345. RAD/SEC)	160	28.6	36.2	40.1	42.7	45.0	46.4	49.6	48.5	47.3	46.2	44.6				
NFK 3299 RPM	200	30.8	38.1	43.0	47.1	49.5	49.1	52.9	51.3	49.1	48.5	47.9				
(345. RAD/SEC)	250	43.5	50.0	52.6	57.8	61.9	62.1	64.2	61.3	60.4	58.3	55.4				
NFD 3244 RPM	315	39.8	49.4	52.9	59.7	62.1	61.9	63.5	60.4	58.0	53.8	49.7				
(340. RAD/SEC)	400	29.8	41.2	50.9	52.1	58.1	55.3	55.7	55.4	53.3	52.6	48.2				
AIRFLOW RATIO	500	39.5	53.8	59.2	60.9	62.8	63.3	64.3	62.2	60.6	57.6	52.5				
ME/WH 12.60	630	37.9	50.0	55.7	56.5	56.9	56.5	58.2	56.7	54.8	53.6	49.4				
	800	36.2	48.2	52.0	53.8	55.7	56.3	59.6	57.4	56.3	53.5	48.4				
VEHICLE UTHS IN	1000	36.8	47.5	56.9	57.8	58.0	58.9	59.6	59.8	57.3	54.1	50.0				
CONFIG G02	1250	34.7	46.2	55.7	56.7	56.7	58.2	58.4	58.4	55.6	53.2	48.6				
LCC SCHEMECTADY	1600	34.7	38.3	44.4	49.1	50.3	50.6	51.8	50.5	48.9	47.4	41.3				
DATE 5/12/75	2000	26.3	40.3	47.2	51.9	53.5	52.3	53.6	51.3	50.6	49.2	43.6				
RUN 5/12	2500	22.6	39.0	46.5	51.1	52.4	51.6	52.3	50.1	49.4	47.7	43.6				
TAPE	3150	19.7	37.1	46.3	49.9	50.7	51.6	51.9	50.2	49.0	47.3	42.9				
FAN TIP SPEED	4000	13.0	33.4	43.1	47.9	51.2	49.3	49.7	48.6	48.8	45.1	40.7				
1022. FT/SEC	5000	6.4	29.7	39.8	46.2	48.4	47.3	46.6	47.6	45.2	43.8	39.4				
	6300		33.7	35.9	43.2	48.1	45.3	48.1	45.2	43.2	40.8	37.0				
	8000		13.4	29.1	36.5	40.1	39.8	40.7	40.8	38.3	36.4	31.6				
	10000		0.8	20.0	29.5	34.2	35.1	36.8	36.4	34.0	32.0	28.1				
OVERALL CALCULATED		49.3	59.5	65.3	67.8	69.8	70.0	71.6	69.6	67.9	65.9	63.0				
PNDP		51.6	63.9	72.7	75.8	77.7	77.9	79.1	77.4	75.7	73.8	69.3				

	50	46.2	52.5	56.8	58.8	58.9	58.3	62.4	61.7	61.7	63.4	63.6				
	63	49.5	59.6	62.4	64.2	66.6	67.5	69.0	64.4	61.4	59.1	59.0				
SIDELINE 200 Ft.	80	47.1	54.1	57.2	58.3	59.2	60.1	62.2	61.5	61.1	61.3	60.2				
(60.96 M)	100	47.2	54.4	57.3	59.5	59.4	58.8	61.2	60.2	59.8	59.7	58.1				
	125	44.5	51.4	55.0	57.3	59.0	60.0	61.3	60.4	59.2	59.1	58.3				
	160	40.5	48.2	50.3	52.2	54.2	55.4	56.5	57.3	58.2	55.1	53.5				
	200	43.1	49.7	53.4	56.9	58.9	58.3	62.0	60.9	58.1	57.5	56.9				
	250	58.1	61.9	63.2	67.7	71.5	71.4	73.4	70.4	69.5	67.4	64.6				
	315	52.8	61.7	63.8	69.8	71.9	71.3	72.8	69.6	67.2	63.1	59.0				
	400	43.3	53.9	62.1	62.5	66.0	65.0	65.2	64.8	62.7	62.0	57.7				
	500	53.5	66.9	70.7	71.6	72.9	73.1	73.9	71.8	70.1	67.1	62.1				
	630	52.4	63.5	67.5	67.4	67.3	66.5	68.1	66.4	64.5	63.3	59.3				
	800	51.5	60.2	64.3	65.0	66.3	66.6	69.7	67.3	66.2	63.4	58.4				
	1000	52.7	62.0	69.5	69.3	68.9	69.4	69.8	70.0	67.4	64.3	60.3				
	1250	51.6	61.3	68.7	68.5	67.9	69.0	68.9	68.8	68.0	63.6	59.1				
	1600	42.6	54.2	58.1	61.5	61.9	61.7	62.7	61.1	59.8	58.1	52.1				
	2000	45.7	57.0	61.4	64.7	65.4	63.8	64.7	62.3	61.5	60.1	54.8				
	2500	43.6	56.6	61.3	64.3	64.7	63.4	63.7	61.3	60.6	59.0	55.0				
	3150	43.3	56.0	62.0	63.8	63.6	63.9	63.8	61.9	60.6	59.0	54.8				
	4000	40.5	54.3	60.1	62.9	65.0	62.3	62.3	61.0	59.1	57.5	53.4				
	5000	36.2	51.7	57.7	61.8	62.7	60.8	61.7	60.3	57.9	56.6	52.5				
	6300	32.1	49.0	56.0	60.6	61.9	60.2	60.3	59.2	57.1	54.8	51.3				
	8000	24.0	43.9	52.7	55.6	58.2	56.7	56.9	56.6	53.9	52.2	47.8				
	10000	14.0	38.6	48.6	53.5	55.6	54.8	55.6	54.7	52.0	50.2	44.8				
OVERALL CALCULATED		62.8	72.7	77.3	78.9	80.1	80.0	81.2	79.3	77.5	75.5	72.4				
PNDP		69.3	81.4	86.2	89.1	90.3	89.5	90.1	88.4	86.8	85.0	80.9				

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAVI)													
		ANGLES FROM INLET IN DEGREES (AND RADIAN)													
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ.	IN.	10	15	20	25	30	35	40	45	50	55	60	65	70	75
SIDELINE 500. FT.	50	35.3	42.7	47.3	49.4	50.0	50.7	53.9	53.5	53.0	55.5	54.9			
	63	38.1	42.2	52.4	55.7	58.3	59.8	62.2	58.3	53.8	50.8	51.9			
	80	34.6	42.9	46.3	48.3	49.7	51.0	52.7	51.8	52.1	52.6	51.0			
NFA (152.40 M)	100	34.6	42.4	46.2	48.3	50.0	49.8	51.8	51.1	50.5	50.4	48.0			
(351. RAD/SEC)	125	31.4	39.2	44.0	46.7	49.0	50.9	52.6	51.0	50.3	49.9	48.8			
NFK (351. RAD/SEC)	160	28.6	36.9	40.1	42.4	44.5	46.4	49.1	48.2	47.1	46.2	44.1			
	200	30.6	38.6	43.0	46.4	48.0	51.1	52.2	50.6	48.4	48.3	46.9			
	250	32.7	42.8	51.1	55.5	57.7	59.1	60.0	57.6	55.9	54.3	51.9			
NFD (324. RPM)	315	39.1	48.6	52.1	57.9	60.6	60.6	61.5	57.6	56.5	52.6	48.7			
(340. RAD/SEC)	400	29.8	41.2	30.2	52.8	53.8	54.3	53.0	52.7	51.0	51.1	45.9			
AIRFLOW RATIO	500	35.5	48.0	53.7	55.7	56.8	57.0	58.3	56.2	54.8	53.1	48.7			
NF/WM 12.60	630	38.1	47.8	52.2	54.3	53.8	53.2	55.7	55.4	53.8	51.6	47.2			
	800	36.7	46.1	50.3	59.3	55.9	59.8	59.9	56.4	54.3	52.7	47.4			
VEHICLE CONFIG	1000	37.2	48.7	57.6	60.7	57.5	61.4	61.5	57.6	55.3	54.3	49.5			
LOC SCHEME CTADY	1250	26.8	39.2	44.9	48.6	50.9	50.2	51.3	49.7	47.9	45.7	40.8			
DATE 5/12/75	1600	27.8	41.4	47.7	51.4	52.1	51.8	51.1	50.8	49.1	47.9	43.0			
RUN 5/13	2000	26.6	41.2	48.7	51.6	53.0	52.4	51.8	50.8	49.8	47.5	44.1			
TAPE	2500	24.3	38.8	47.1	50.8	51.7	52.0	51.9	49.7	48.5	47.3	42.7			
FAN TIP SPEED	3150	19.0	36.7	45.4	49.9	52.2	50.1	50.9	48.7	47.4	46.0	41.4			
1036. FT/SEC	4000	9.7	31.9	41.4	47.4	49.5	48.3	48.8	47.5	45.4	43.8	38.6			
	5000	6.5	29.1	39.5	46.2	48.8	47.8	47.8	47.7	44.2	42.5	37.8			
	6300		21.8	34.7	41.8	43.9	43.0	43.6	43.1	40.7	39.4	34.0			
	8000		12.6	28.2	38.4	39.6	39.6	40.9	40.3	37.3	35.6	29.9			
	10000			18.8	28.4	31.6	33.1	34.8	33.9	31.1	29.1	24.2			
OVERALL CALCULATED		47.5	57.5	63.9	67.2	67.6	68.9	69.8	67.0	65.4	64.3	61.7			
PNR		49.6	63.5	71.4	75.3	76.0	76.7	77.2	75.2	73.5	72.1	67.0			

ORIGINAL PAGE IS OF POOR QUALITY

Run 5/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PHCC DATE - MONTH 7 DAY 23 HR. 13.8																		
		HOTEL SOUND PRESSURE LEVELS (99. DEC. F. 70 PERCENT REL. HUM. DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	Pm
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. 0.)		(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. 0.)																		
RADIAL 17. FT.	50																			89.5
	63																			109.4
	80																			106.5
VEHICLE UTMSIM	100	64.7	64.3	63.6	61.6	60.3	62.4	65.4	67.3	67.2	67.4	66.8	65.9							109.4
CONFIG G02	125	73.5	73.0	73.3	71.3	70.3	68.9	68.9	70.3	71.9	72.1	72.9	74.4							106.5
LOC SCHEMECTARY	100	75.2	73.8	73.6	73.8	74.1	72.4	71.2	73.3	72.4	71.9	73.1	72.9							111.1
DATE 5/12/75	200	78.2	78.8	81.3	79.8	78.8	79.1	79.7	79.8	75.4	71.9	69.5	68.4							108.6
RUN 5/14	250	78.5	78.0	77.6	76.5	75.8	74.9	74.9	76.3	74.7	73.8	72.5	71.6							108.3
TAPE	315	79.0	79.3	78.8	78.1	76.3	75.1	74.2	75.3	72.9	72.1	71.0	70.4							106.9
BAR 29.7 HG	400	76.0	76.0	75.1	75.3	75.6	74.6	73.7	74.3	72.2	70.4	69.8	68.0							102.9
(00169. N/M2)	500	72.5	71.8	71.4	70.3	69.1	68.9	70.4	69.6	68.4	67.4	66.8	68.4							105.4
TAMB 59. DEG F	630	73.5	72.8	72.9	72.3	72.6	72.9	73.2	72.1	70.7	69.9	70.6	70.6							117.1
(286. DEG K)	800	88.2	86.5	81.9	82.3	85.1	86.6	85.9	85.3	82.0	79.6	72.8	75.6							117.5
T-ET 57. DEG F	1000	87.0	86.5	86.1	85.6	87.3	86.6	85.4	84.1	82.0	80.1	77.5	75.1							113.3
(287. DEG K)	1200	77.3	77.3	78.4	79.6	77.6	83.4	83.9	80.6	77.7	76.4	74.8	71.1							116.1
HACT 11.38 GM/M3	1600	83.5	84.9	85.1	84.6	83.6	84.1	84.6	83.1	81.5	80.0	77.8	72.4							121.8
(.01138 KG/M3)	2000	91.3	89.8	90.8	91.6	90.8	89.6	89.1	89.4	88.3	84.5	81.0	72.2							115.1
NFA 11426. RPM	2500	84.3	86.6	85.1	84.1	82.8	82.8	81.6	82.4	80.3	79.5	75.7	71.4							122.3
(1196. RAD/SEC)	3150	92.5	91.5	89.3	93.1	91.0	92.6	87.3	87.8	87.0	84.3	83.2	72.1							117.2
NFK 11426. RPM	4000	87.7	87.5	85.5	88.0	86.2	86.4	82.7	82.8	82.2	79.2	77.6	72.1							112.8
(1196. RAD/SEC)	5000	83.1	82.7	82.4	82.0	81.9	81.1	79.6	79.5	77.7	75.4	73.3	67.5							116.1
NFD 11517. RPM	6300	87.0	87.9	86.2	86.4	84.9	84.4	82.1	82.2	78.8	77.5	75.4	71.0							113.7
(1208. RAD/SEC)	8000	84.6	84.8	84.0	84.3	82.4	81.8	79.3	79.3	78.6	78.7	73.7	69.1							118.0
NO. OF GLADES 18	10000	86.0	86.1	85.3	84.7	83.5	82.2	81.3	80.5	78.4	76.7	75.1	70.4							114.4
FAN TIP SPEED 997. FT/SEC	12500	85.0	85.2	84.5	83.8	83.1	82.5	79.5	79.6	77.7	75.1	73.6	69.0							113.0
	16000	83.5	82.5	82.9	82.3	81.5	80.9	77.7	77.6	76.2	72.9	71.8	67.5							112.7
	20000	82.6	82.1	81.5	81.7	81.1	79.9	77.1	77.1	75.2	72.6	71.1	66.4							111.1
	25000	80.5	80.3	78.7	79.2	78.6	77.8	75.3	74.6	73.1	70.7	68.8	64.3							110.5
	31500	78.2	79.0	77.5	77.4	77.3	76.7	73.9	73.6	71.7	68.6	66.4	61.7							107.6
	40000	74.1	74.0	73.1	73.6	72.6	71.2	69.6	69.4	68.6	64.6	62.7	58.7							105.8
	50000	69.5	70.3	69.0	69.8	67.3	66.4	66.0	66.4	65.6	61.0	60.7	57.7							108.0
	63000	63.0	63.0	63.0	63.6	62.1	62.1	61.5	64.9	62.4	58.9	60.5	57.8							108.2
	80000	61.5	71.3	61.1	63.1	61.4	62.3	62.0	64.1	62.4	59.5	62.0	62.9							129.3
OVERALL MEASURED		99.1	98.7	97.8	98.7	97.8	97.9	95.9	95.7	93.6	91.6	89.6	84.8							129.3
OVERALL CALCULATED		112.7	112.2	110.7	112.7	111.3	112.0	108.8	109.0	107.5	105.3	103.7	99.1							

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F @ 70 PERCENT REL. HUM. DAT)											
	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
FREQ. (0.110.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
SIDELINE 500. FT.	50	36.3	43.7	48.3	51.2	51.3	51.2	54.1	53.7	53.3	54.3	53.7
(152.40 M)	63	40.6	51.0	53.2	55.7	57.8	59.5	60.4	58.5	53.1	50.8	49.0
NFA 3218. RPM	80	39.8	45.7	50.3	52.3	53.2	54.5	56.7	55.6	54.9	53.4	52.8
(337. RAD/SEC)	125	39.8	47.4	51.4	52.5	53.1	53.6	55.5	53.8	53.0	51.7	50.6
NFR 3218. RPM	150	35.7	43.2	48.3	51.5	52.5	52.9	54.3	52.7	51.0	50.3	48.9
(337. RAD/SEC)	200	30.6	38.9	42.9	44.7	45.5	49.4	49.4	48.7	47.8	47.1	46.2
NFD 3244. RPM	250	30.8	39.8	44.5	47.9	50.2	51.9	51.7	50.8	50.1	50.7	50.2
(340. RAD/SEC)	315	43.7	48.3	54.1	62.0	63.7	64.4	64.7	61.8	59.7	57.7	55.0
AIRFLOW RATIO	400	42.8	51.9	56.9	61.9	63.4	63.6	63.2	61.6	60.0	57.2	54.2
WE/WH 12.60	500	32.6	43.5	50.4	51.8	59.8	61.8	59.5	57.2	56.0	54.2	50.0
VEHICLE UTILITY	600	39.0	49.5	54.9	57.4	60.3	62.3	61.8	60.7	59.3	56.2	51.0
CONFIG CO2	800	42.9	54.5	61.4	64.3	65.4	68.5	67.7	65.2	63.6	58.8	56.6
LOC SCHENEGADY	1000	39.5	51.7	58.8	61.8	63.0	64.1	65.4	62.9	61.3	57.6	53.2
DATE 5/12/75	1250	41.8	51.2	61.7	63.5	67.5	63.9	65.6	65.3	62.8	61.5	54.8
RUN 5/14	1500	38.0	46.4	55.9	58.2	61.0	59.3	60.7	60.2	57.4	55.6	49.4
TAPE	2000	31.8	44.5	52.4	55.4	55.5	56.8	58.2	55.7	54.1	50.8	46.0
FAN TIP SPEED	2500	26.1	41.0	49.5	52.3	54.7	54.1	55.3	53.3	52.8	52.5	47.5
997. FT/SEC	3150	23.2	40.4	48.6	52.4	54.2	55.3	55.9	54.4	53.0	51.2	45.7
OVERALL CALCULATED	4000	16.0	38.4	45.6	50.4	53.2	52.5	53.9	52.8	50.5	48.7	43.3
PNDB	5000	9.9	33.2	43.1	48.2	51.1	50.3	51.6	51.1	48.0	46.6	41.5
	6300	28.7	39.1	45.2	48.1	47.8	49.6	48.5	48.2	44.4	38.8	
	8000	15.9	31.3	38.7	42.8	43.3	44.5	44.1	42.0	39.8	34.2	
	10000	3.8	22.3	32.0	37.2	38.1	42.0	39.4	36.7	34.1	28.1	
		51.5	61.2	68.0	71.0	73.5	73.5	74.3	72.5	70.7	68.4	64.5
		55.1	67.8	75.5	78.9	81.7	81.5	82.6	80.7	78.9	76.8	71.8

SIDELINE 200. FT.	50	46.7	53.5	57.3	59.8	59.7	59.5	62.4	61.9	61.5	62.6	62.0
(60.96 M)	63	51.3	61.1	63.1	64.4	66.3	68.0	68.8	64.9	61.4	59.0	57.4
	80	50.1	57.1	59.7	61.3	62.0	63.1	65.2	64.0	63.3	61.9	60.5
	100	50.9	58.1	61.1	61.7	62.1	62.3	64.2	62.2	61.5	60.3	59.2
	125	47.2	54.1	58.2	60.8	61.9	61.7	63.1	61.4	59.7	59.0	57.6
	150	42.5	50.2	53.0	54.2	55.7	58.4	58.3	57.6	56.7	55.9	54.1
	200	43.1	51.4	54.9	57.6	59.6	61.0	60.7	59.8	59.1	59.6	59.3
	250	52.3	60.2	64.7	70.0	73.3	73.7	73.9	70.9	68.8	66.8	64.2
	315	55.8	64.2	67.8	72.1	73.1	73.1	72.8	70.9	69.2	66.4	63.6
	400	48.0	56.1	61.6	62.2	69.8	71.5	69.0	68.6	65.4	63.8	59.5
	500	53.0	62.6	66.5	68.1	70.4	72.1	71.4	70.3	68.9	65.8	60.7
	630	57.4	68.0	73.3	75.2	75.8	76.5	77.6	74.9	73.3	69.7	65.4
	800	54.7	65.7	71.0	73.0	73.6	74.4	75.4	72.8	71.2	67.5	63.2
	1000	57.7	65.8	74.3	75.1	78.4	74.4	75.8	75.5	72.9	71.6	65.1
	1250	52.9	61.5	69.0	70.0	72.2	70.1	71.2	70.6	67.7	66.0	59.9
	1500	47.0	58.3	64.1	68.3	67.0	67.9	69.0	66.4	64.7	61.5	56.8
	2000	51.2	61.2	66.7	68.2	69.7	68.8	69.7	66.8	65.7	63.5	58.6
	2500	47.1	58.6	64.3	65.6	67.0	65.9	66.7	64.6	63.8	61.6	56.6
	3150	46.8	59.2	64.3	66.3	67.1	67.4	67.8	66.2	64.6	62.9	57.6
	4000	43.5	57.3	62.6	65.4	67.0	65.6	66.6	65.2	62.8	61.1	56.0
	5000	39.7	55.2	60.9	63.6	65.4	63.8	64.7	63.8	60.7	59.4	54.6
	6300	35.3	52.0	59.3	62.6	63.9	62.7	63.8	62.5	60.1	58.4	53.1
	8000	27.3	46.4	55.0	58.9	60.9	60.2	60.6	59.8	57.7	55.6	50.4
OVERALL CALCULATED	10000	18.5	41.3	50.8	56.0	58.6	57.8	58.8	57.7	54.8	52.3	46.6
PNDB		65.4	74.6	80.3	82.2	84.1	83.6	84.3	82.4	80.5	78.2	74.1
		73.0	84.1	89.6	91.8	93.5	93.2	93.7	92.0	90.2	88.2	83.5

Run 5/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

PROC. DATE - MONTH 7 DAY 23 HR. 13.8

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ	0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
RADIAL 17. FT.	50																			
	63																			
	80																			
VEHICLE (5. H)	100	63.7	62.5	62.8	60.8	59.6	61.0	64.2	65.8	65.9	65.9	65.3	64.6							88.1
CONFIC (60)	125	72.5	71.8	72.6	70.3	69.1	67.9	69.2	69.5	71.4	71.9	72.1	73.1							104.7
LGC SCHEENECTADY	100	74.2	72.8	72.1	72.8	72.6	71.1	70.2	72.3	71.4	71.4	72.8	73.1							105.7
DATE 5/12/75	250	74.7	75.3	76.6	75.3	75.3	75.0	75.4	75.3	71.9	69.1	67.3	65.8							107.2
RUN 5/15	250	76.7	76.0	75.6	74.8	73.8	73.1	72.9	74.3	72.7	72.1	71.0	69.8							106.7
TAPE 5/15	315	76.7	77.3	76.3	75.8	74.6	73.9	72.2	73.8	71.9	71.1	69.8	69.1							109.7
TAPE	400	74.0	72.8	72.6	72.3	72.6	72.1	71.4	72.8	70.7	69.4	68.5	67.9							104.0
BAP 29.7 HG	500	71.2	70.8	70.9	69.3	68.8	68.9	71.2	72.1	72.9	72.9	72.8	72.8							105.4
(00109. H/M2)	630	74.5	73.0	72.6	70.8	72.3	72.9	74.7	75.3	76.0	75.9	76.1	76.1							108.6
TANB 60. DEG F	800	87.7	86.3	82.1	84.3	88.3	87.9	86.9	86.6	82.5	80.4	78.3	75.9							110.1
(28. DEG K)	1000	86.7	86.3	86.1	86.3	87.1	86.4	84.4	85.1	82.7	80.4	77.3	75.4							117.0
TANET 50. DEG F	1250	76.3	75.8	76.9	77.6	77.8	81.6	81.6	78.1	77.2	75.7	73.5	70.9							111.7
(288. DEG K)	1600	85.0	86.3	86.8	87.1	86.6	86.6	86.1	84.6	82.0	81.2	77.8	74.2							117.9
NACT 11.60 GM/M3	2000	90.8	90.3	91.4	92.4	91.3	90.1	89.1	89.4	86.5	84.5	81.0	77.9							122.1
(0.1180 KG/M3)	2500	83.8	86.3	84.8	84.1	83.6	83.6	82.8	83.9	81.5	80.5	76.5	71.9							115.9
NFA 11200. RPM	3150	93.0	89.5	89.0	92.4	90.5	87.6	86.3	88.1	85.8	83.5	82.2	78.4							121.8
(1121. RAD/SEC)	4000	86.7	86.2	85.2	86.5	85.0	81.9	81.2	82.0	80.0	78.2	75.9	71.1							115.5
NFY 11269. RPM	5000	82.6	82.4	82.4	82.2	81.6	80.3	79.9	79.2	77.7	75.4	73.0	67.8							112.7
(1180. RAD/SEC)	6300	86.5	86.7	85.2	85.8	84.4	83.4	81.1	80.9	77.5	76.5	74.7	70.5							115.2
NFI 11517. RPM	8000	82.6	83.3	83.0	82.3	81.7	80.8	78.8	78.2	75.9	73.9	72.4	68.6							112.0
(1206. RAD/SEC)	10000	85.0	85.1	84.3	84.5	83.5	81.7	80.5	79.0	77.6	75.9	73.9	69.9							114.3
NO. OF BLADES 10	12500	84.3	84.7	83.0	83.5	82.8	82.0	79.3	78.6	76.7	74.6	73.3	68.4							113.6
FAL TIP SPEED 16000	16000	82.5	81.8	81.8	80.8	81.5	79.6	76.7	77.1	74.7	72.1	71.1	66.7							112.1
985. FT/SEC	20000	81.1	81.3	80.2	79.9	80.1	78.9	76.3	76.1	74.2	70.9	70.1	65.4							111.0
	25000	79.5	79.0	78.4	78.1	77.6	76.8	74.3	73.6	72.1	69.2	67.6	63.8							116.1
	31500	77.1	77.2	76.2	76.6	76.3	74.9	72.3	72.3	71.1	67.5	65.8	61.1							109.4
	40000	72.0	72.9	72.3	72.5	71.1	70.4	68.8	68.4	67.5	63.3	62.4	57.7							106.5
	50000	67.7	69.0	67.5	69.2	65.9	65.8	65.1	65.0	64.7	60.4	60.4	57.8							104.7
	63000	62.2	68.1	61.9	64.5	61.5	61.5	61.6	64.3	62.6	59.0	60.1	58.0							104.5
	80000	61.4	69.7	60.9	63.0	61.2	62.0	61.9	64.0	62.3	59.4	61.9	64.2							109.2
OVERALL MEASURED																				
OVERALL CALCULATED		98.7	98.0	97.5	98.8	97.8	96.8	95.7	95.8	93.3	91.8	89.4	88.4							120.9
PND8		112.6	110.9	110.4	112.2	110.9	109.3	108.1	109.0	106.8	104.9	103.2	98.9							

FREQ. (Hz)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. P. 70 PERCENT OGL. NUM. DAT)											
	ANGLES FROM INLET IN DEGREES (AND RADIAN)											
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
50	35.3	42.2	47.3	49.7	50.0	50.2	53.1	52.7	52.8	54.1	54.0	
63	37.1	46.2	49.4	52.2	54.3	55.3	55.9	53.0	50.3	48.4	48.3	
SIDELINE 500. FT. (152.40 M)	80	37.1	44.7	48.5	50.3	51.5	52.5	54.7	53.6	53.1	51.9	50.3
NFA 3177. RPM (333. RAD/SEC)	100	37.6	44.9	49.2	50.8	52.0	51.6	54.0	52.6	52.0	50.5	49.3
NFK 3174. RPM (332. RAD/SEC)	150	32.4	40.7	45.3	48.5	50.0	50.6	52.8	51.2	53.0	49.1	47.9
NFD 3244. RPM (340. RAD/SEC)	200	22.6	32.4	41.2	44.4	46.5	50.1	51.9	53.2	53.3	53.1	52.4
AIRFLOW RATIO	250	31.1	39.6	43.0	47.6	50.2	53.4	54.9	56.1	56.1	56.2	55.7
WE/WC 12.90	315	43.5	48.5	56.1	61.3	64.9	65.4	66.0	62.3	60.4	58.2	55.2
VEHICLE CONFIG	400	42.6	51.9	57.6	61.7	63.1	62.6	64.2	62.4	60.2	56.9	54.5
LOC SCHENECTADY	500	31.1	42.0	48.4	52.1	56.1	59.6	57.0	56.7	55.3	53.0	49.8
DATE 5/12/75	630	40.5	51.0	57.4	60.4	62.6	63.8	63.3	61.2	60.6	57.0	52.8
RUN 5/15	800	43.4	55.0	62.2	64.9	65.9	66.5	67.7	65.4	63.6	59.9	56.3
TAPE	1000	40.0	52.2	59.5	62.3	63.5	64.1	65.4	63.1	61.3	57.6	53.9
FAN TIP SPEED	1250	39.8	51.0	61.9	63.0	62.8	62.9	65.8	64.1	62.0	60.5	54.1
905. FT/SEC	1500	34.7	46.2	54.4	57.2	58.6	59.3	60.7	58.4	56.6	53.8	49.2
OVERALL CALCULATED	2000	28.7	42.9	51.2	54.5	56.0	56.8	58.2	58.0	54.1	50.8	46.7
PNB	2500	30.6	43.5	51.7	54.9	56.7	56.3	57.3	54.6	53.8	51.8	47.0
	3150	24.6	40.0	47.7	51.6	53.7	53.6	54.3	52.8	50.9	49.1	44.7
	4000	22.2	39.3	46.3	52.3	53.7	54.6	54.4	53.7	52.2	49.9	45.2
	5000	15.5	34.9	45.3	50.2	52.7	52.2	52.9	51.8	50.0	48.5	42.8
	6300	9.2	32.2	41.6	48.2	49.9	49.3	51.1	49.5	47.2	45.9	40.8
	8000		35.4	37.4	44.2	47.1	47.1	49.5	47.5	44.5	43.4	37.8
	10000		15.6	30.3	37.7	41.0	42.3	43.5	43.0	40.5	38.5	33.7
	12500		2.3	21.5	31.0	35.4	36.5	39.7	38.9	35.7	33.3	27.6
	15000	50.9	60.9	69.1	71.2	72.6	73.3	74.4	72.3	70.7	68.2	65.1
	PNB	54.8	67.6	75.5	78.9	80.7	81.2	82.3	80.4	78.7	76.2	73.0

50	45.7	52.0	56.3	58.3	58.4	58.5	61.4	60.8	61.0	62.3	62.2	
63	47.8	56.3	58.6	60.9	62.8	63.7	64.3	61.4	58.7	58.7	58.8	
SIDELINE 200. FT. (60.96 M)	80	48.1	55.1	58.0	59.3	60.2	61.1	63.2	62.0	61.6	60.4	58.8
100	48.9	55.6	58.8	60.8	60.9	60.3	62.7	61.2	60.5	59.1	58.0	
125	44.0	51.6	55.2	57.6	59.0	59.5	61.6	59.9	58.7	57.8	56.6	
150	41.5	49.7	52.3	54.0	55.7	59.1	60.3	62.1	62.2	61.9	61.3	
200	43.3	51.2	53.4	57.4	59.6	62.5	64.0	65.0	65.1	65.1	64.8	
250	56.1	60.4	66.7	71.2	74.5	74.7	75.1	71.4	69.5	67.3	64.4	
315	55.6	64.2	68.6	71.8	72.9	72.1	73.6	71.6	69.4	68.2	63.8	
400	44.5	54.6	59.6	62.5	68.6	69.2	66.5	66.1	64.7	62.4	59.3	
500	54.5	64.1	69.0	71.1	72.9	73.6	72.9	70.8	70.1	66.5	62.4	
630	57.9	68.5	74.0	75.7	76.3	76.5	77.6	75.2	73.3	69.7	66.1	
800	55.2	66.2	71.8	73.5	74.1	74.4	75.4	73.1	71.2	67.5	64.0	
1000	55.7	65.5	73.5	74.6	73.7	73.4	76.1	74.2	72.1	70.8	64.4	
1250	51.6	61.4	67.5	69.1	69.8	70.1	71.2	68.8	66.9	64.2	59.7	
1500	46.8	58.8	64.9	68.8	67.5	67.9	69.8	68.6	64.7	61.2	57.5	
2000	50.0	60.2	65.9	67.7	68.7	67.8	68.5	65.6	64.7	62.7	58.1	
2500	45.6	57.6	62.5	64.8	65.0	65.4	65.7	63.8	62.1	60.4	56.1	
3150	45.8	58.2	64.0	66.3	66.6	66.9	66.3	65.4	63.9	61.6	57.1	
4000	43.0	55.7	62.4	65.1	66.5	65.3	65.6	64.2	62.3	60.9	55.4	
5000	38.9	54.2	59.4	63.7	64.2	62.8	64.2	62.3	59.9	58.7	53.8	
6300	34.5	50.8	57.5	61.6	62.6	61.9	62.6	61.4	58.3	57.4	52.1	
8000	26.0	46.1	54.0	57.8	59.9	59.2	59.6	58.8	56.1	54.3	49.8	
10000	15.7	40.0	50.0	54.9	56.8	56.3	57.5	57.1	53.8	51.5	46.4	
OVERALL CALCULATED	12500	64.9	74.5	80.3	82.3	83.3	83.4	84.3	82.1	80.4	76.0	74.7
PNB	72.1	83.4	89.2	91.7	92.9	92.6	93.1	91.5	89.9	87.8	83.5	

ORIGINAL PAGE IS
OF POOR QUALITY

Run 12, Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 56 DAY 8 HR. 8.8

MODEL SOUND PRESSURE LEVELS (50, DEG. F., 75 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (50, DEG. F., 75 PERCENT REL. HUM., DAY)													PWL					
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.	
	FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	56.1	60.9	66.1	66.8	68.3	69.3	68.8	67.3	66.8	67.3	66.1	64.8	64.8						101.0
63	71.0	72.3	73.0	75.5	75.5	75.0	72.3	73.0	74.5	76.0	73.3	74.0	74.0						108.0
80	63.0	67.1	66.1	66.1	67.6	67.4	71.9	73.9	73.9	76.4	73.6	71.1	71.1						104.3
100	63.9	65.4	67.6	66.6	64.6	65.9	67.6	69.6	70.9	71.6	71.1	69.4	69.4						103.1
125	70.9	70.2	75.2	74.2	73.4	72.2	71.7	71.4	70.7	69.7	69.6	69.4	69.4						105.5
160	73.1	74.1	73.4	75.4	75.1	73.4	72.4	71.9	71.6	69.9	68.9	66.9	66.9						105.5
200	77.8	78.3	77.7	77.2	76.5	75.5	75.7	75.3	74.5	71.7	69.2	67.7	67.7						104.5
250	85.0	83.8	83.2	82.7	81.5	79.5	79.5	79.5	79.5	78.5	75.2	72.7	72.7						111.3
315	86.3	85.5	85.2	85.2	84.0	81.0	80.8	79.0	76.7	75.5	73.5	72.0	72.0						114.3
400	84.4	83.6	83.9	83.7	82.4	81.7	80.4	78.6	76.1	74.4	71.6	69.9	69.9						113.7
500	83.8	84.1	84.3	85.3	83.3	81.5	80.5	79.3	77.1	75.3	72.6	69.8	69.8						113.9
630	81.9	87.4	87.7	88.0	87.2	84.8	83.2	81.9	79.0	75.2	73.2	71.2	71.2						112.4
800	80.0	89.0	89.7	90.5	89.5	86.1	86.2	83.5	81.3	78.5	75.3	72.5	72.5						112.2
1000	87.7	87.7	88.4	89.2	87.7	85.5	83.4	81.5	78.7	76.5	72.5	70.2	70.2						117.4
1250	89.5	89.3	88.7	89.1	87.6	85.5	83.2	80.9	78.5	76.3	72.6	69.5	69.5						117.4
1500	89.6	89.6	87.6	87.2	85.2	83.6	81.3	78.7	76.4	74.9	70.6	66.6	66.6						115.4
2000	85.9	84.2	84.2	84.4	83.1	82.0	80.4	77.6	74.5	73.3	68.7	66.5	66.5						115.3
2500	85.9	88.4	87.9	88.8	90.5	90.2	88.8	85.5	82.2	80.5	75.0	72.9	72.9						120.2
3150	95.2	93.7	94.1	94.1	97.3	97.3	95.1	92.5	88.0	87.5	82.7	80.0	80.0						126.5
4000	85.5	86.0	85.8	86.6	85.1	83.3	83.6	84.9	81.9	79.0	75.4	72.9	72.9						117.5
5000	91.1	90.6	91.3	93.9	93.1	92.5	91.5	88.6	84.6	81.5	76.9	75.4	75.4						121.5
6300	97.6	99.0	99.4	98.4	98.1	97.4	95.4	93.6	88.1	83.9	83.6	80.2	80.2						121.3
8000	102.5	105.8	107.7	107.4	105.8	105.5	101.9	103.4	99.2	96.5	90.9	87.9	87.9						135.2
10000	95.4	98.9	100.6	105.3	104.9	102.2	103.0	95.6	92.6	87.9	86.9	84.8	84.8						133.4
12500	93.4	94.6	95.8	98.7	99.7	99.5	93.3	95.3	90.3	86.5	83.6	81.1	81.1						125.9
16000	92.1	94.8	95.3	96.8	95.3	95.1	95.8	92.0	88.2	82.7	80.8	79.3	79.3						124.4
20000	86.6	90.1	92.8	94.7	96.7	96.1	95.1	95.5	86.7	80.6	77.9	75.8	75.8						127.3
25000	86.8	88.0	90.4	94.3	94.6	93.4	92.0	83.1	83.4	76.0	72.8	71.1	71.1						125.5
31500	85.6	86.3	88.1	90.8	92.6	92.1	93.3	84.7	81.1	74.1	68.9	67.0	67.0						124.3
40000	83.1	83.8	85.6	88.2	89.1	88.6	87.4	81.2	79.5	71.0	65.5	64.4	64.4						122.5
OVERALL MEASURED																			
OVERALL CALCULATED	105.4	110.2	111.2	111.1	110.6	109.7	107.3	104.6	100.2	96.2	94.8	92.2	92.2						149.6
PNCB	118.2	121.6	122.3	121.4	120.5	119.9	117.2	115.3	111.0	108.4	106.3	103.5	103.5						

Run 12/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PMOC; DATE - MONTH 56 DAY 8 HR, 8.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50. DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (1.92)	110. (2.0)	120. (2.09)
50		39.7	43.6	49.9	52.3	52.3	52.5	52.6	52.9	51.3	53.2	49.8		
63		40.1	47.4	51.4	53.3	53.1	55.6	55.9	55.6	53.0	53.3	48.4		
SIDELINE 500 FT, (152.40 M)	80	44.8	52.3	56.5	58.0	57.9	59.1	60.2	60.4	59.5	56.8	53.2		
NFA 2730 RPM (285. RAD/SEC)	100	45.9	53.8	58.6	60.2	59.1	59.4	53.2	57.5	56.4	54.2	52.2		
NFA 2730 RPM	125	45.3	52.0	56.6	58.3	58.5	59.6	55.7	56.7	55.1	52.2	49.9		
NFA 2699 RPM (283. RAD/SEC)	160	42.9	51.8	57.9	58.9	57.2	57.5	57.1	57.4	55.8	52.9	49.6		
NFA 2699 RPM	200	42.5	54.7	60.1	62.5	62.1	61.9	61.5	59.1	56.5	53.3	50.8		
NFA 3244 RPM (341. RAD/SEC)	250	40.2	50.1	62.3	64.5	65.1	64.7	62.9	61.1	58.3	55.2	51.9		
NFA 3244 RPM	315	44.0	54.2	60.5	62.3	62.3	61.6	61.7	58.4	56.3	52.1	49.3		
NFA 3244 RPM	400	44.5	53.8	59.9	61.8	62.3	61.2	57.5	57.9	55.9	51.4	48.1		
AIRFLOW RATIO	500	42.8	52.0	57.5	59.0	59.5	57.0	57.3	55.6	54.3	49.8	47.3		
AIRFLOW RATIO	630	41.5	51.5	58.6	64.0	66.0	66.2	63.9	61.1	59.6	54.8	51.3		
AIRFLOW RATIO	800	45.4	57.0	63.3	70.3	72.7	72.1	70.8	67.6	66.3	61.3	56.0		
VEHICLE UTWSIM	1000	35.3	42.8	57.2	61.6	64.3	64.7	62.6	60.3	57.5	53.7	50.7		
CONFIG	1250	39.1	52.3	61.3	65.0	67.1	67.8	65.7	62.6	57.7	50.9	52.6		
LCC SCHEMECTADY	1600	42.4	57.2	65.5	69.4	71.4	71.3	70.3	65.7	61.7	61.2	57.1		
DATE 05-27-75	2000	52.7	68.2	73.5	76.4	79.0	77.3	77.0	72.4	67.9	68.1	64.4		
NUM 12/4	2500	35.3	57.2	70.6	74.9	75.2	75.0	72.7	69.5	65.0	63.8	61.0		
TAPE X00040	3150	31.9	51.0	62.6	68.8	71.8	72.6	70.9	66.6	62.5	59.9	55.7		
FAN TIP SPEED	4000	20.0	47.5	58.9	66.0	69.2	69.1	65.7	63.7	58.5	56.3	54.0		
FAN TIP SPEED	5000	18.0	43.5	58.0	63.8	66.7	66.1	64.2	62.0	56.1	53.1	50.2		
	5300	9.4	36.2	52.3	59.3	62.3	63.5	61.1	57.4	50.2	46.7	44.2		
	6000		26.3	43.9	53.7	58.3	57.2	55.5	52.9	46.3	40.8	37.8		
	10000		13.1	34.5	45.2	50.5	53.0	49.3	43.6	40.4	34.5	32.3		
OVERALL CALCULATED		57.5	70.4	77.3	81.1	83.0	82.5	81.1	77.5	74.0	72.2	68.6		
PNOB		67.9	83.0	90.2	94.2	96.2	95.5	94.3	90.5	86.4	85.0	81.6		

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Run 12/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM., DAY)

PHGC DATE - MONTH 64 DAY 8 HR. 3.8
 DEG. F, 70 PERCENT REL. HUM., DAY

SPL INPUT AT STD	FREQ. (0.17)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
50	67.6	67.8	66.8	68.3	69.0	70.0	70.1	69.3	67.8	68.1	67.1	65.8						102.2
63	72.8	73.0	74.9	76.8	77.3	78.3	73.0	75.3	75.3	76.5	74.3	75.0						105.6
80	64.1	67.1	66.4	66.4	68.1	67.4	72.1	74.4	74.6	76.4	73.9	71.6						106.4
100	71.1	70.6	69.6	68.4	66.4	66.4	68.9	70.6	72.1	72.4	71.6	70.9						109.4
125	81.2	80.4	79.2	78.2	77.7	78.9	75.2	75.2	74.7	73.4	72.9	72.1						109.1
140	79.6	77.6	76.9	78.6	79.1	77.1	75.4	74.6	74.6	72.9	73.5	72.0						112.1
200	81.0	82.3	82.0	81.7	80.3	81.0	80.5	82.3	78.7	75.7	73.5	72.0						114.4
250	80.3	87.0	86.5	86.0	84.7	82.7	82.7	82.8	82.5	81.0	73.7	76.9						115.5
315	90.8	90.8	90.8	90.0	88.0	85.3	84.2	82.5	81.2	79.7	77.7	76.2						117.5
400	86.6	87.9	87.9	87.9	85.6	85.2	83.6	82.1	79.9	77.9	75.4	73.6						115.9
500	84.6	86.3	87.0	87.3	85.6	85.3	82.3	80.5	79.8	77.6	75.1	72.1						113.3
630	84.9	88.7	89.2	90.2	86.2	80.5	84.4	82.7	79.7	77.2	74.7	72.4						120.7
800	91.3	91.0	91.0	92.3	90.3	89.3	87.5	85.0	82.8	80.5	76.6	74.8						118.4
1000	89.2	88.9	89.9	90.7	89.2	88.5	84.4	82.3	79.9	77.7	73.7	70.9						119.5
1250	91.5	91.0	91.0	91.1	89.5	87.6	85.7	82.9	80.8	78.5	74.5	71.3						117.7
1600	89.9	89.1	88.8	88.7	86.9	85.2	83.1	79.9	77.6	75.7	72.4	69.4						115.6
2000	85.9	87.2	86.2	86.9	85.6	84.0	82.1	79.8	76.0	74.3	70.7	68.0						117.6
2500	87.4	87.4	87.6	87.8	87.3	87.0	85.8	82.5	79.2	76.7	74.1	70.7						132.1
3150	96.3	97.7	101.1	100.4	100.6	102.0	101.8	93.3	91.9	92.6	87.7	86.0						129.5
4000	80.5	87.3	88.3	85.9	89.6	89.5	85.4	82.9	80.7	77.4	73.9	70.7						120.9
5000	87.3	88.1	88.3	90.4	91.1	90.5	89.5	86.6	83.1	79.5	76.4	73.4						130.1
6300	94.8	93.5	96.4	96.9	99.9	99.4	95.5	92.3	88.4	86.4	82.7	78.6						124.4
8000	93.3	92.0	93.2	94.9	94.8	94.3	92.2	87.7	84.4	81.5	76.9	73.0						130.7
10000	96.6	95.9	93.5	100.8	101.1	100.2	98.0	95.1	90.9	87.1	84.7	81.6						128.9
12500	92.1	92.6	94.8	98.6	99.0	98.3	96.8	94.1	89.5	84.0	82.1	79.6						125.9
16000	86.1	89.6	90.3	93.3	94.6	94.9	93.3	89.5	85.5	80.2	77.3	75.0						124.8
20000	80.9	87.9	90.0	93.5	93.9	93.3	92.6	87.3	84.2	77.6	75.1	72.5						123.7
25000	85.8	86.3	88.2	92.5	92.6	91.9	90.3	85.6	81.9	74.3	73.8	69.1						122.3
31500	83.3	85.1	87.1	89.8	91.3	90.6	88.0	82.9	79.8	72.6	67.7	65.3						121.6
40000	83.6	85.8	85.1	87.5	88.4	87.6	86.4	79.7	78.3	69.7	64.9	63.8						134.5
OVERALL MEASURED										96.6	94.2	91.4						
OVERALL CALCULATED	104.5	104.8	106.4	107.8	106.0	107.9	106.8	103.6	100.0	96.6	94.2	91.4						
PNDB	117.7	118.2	120.2	120.3	120.2	120.6	119.9	115.8	113.7	110.9	100.4	105.2						

Run 12/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PMGC; DATE - MONTH 64 DAY 0 NR. 0,0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0	10	20	30	40	50	60	70	80	90	100	110	120
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
50	40.2	47.1	53.1	56.3	59.0	55.2	55.3	55.9	54.3	53.7	53.0		
63	44.1	51.7	55.9	57.3	59.5	60.4	60.9	59.8	57.0	54.6	52.6		
SIDELINE 500 FT, (152.40 M)	80	48.1	55.6	59.7	61.3	61.1	62.4	63.2	63.4	62.0	59.8	56.4	
100	51.1	58.6	63.3	64.2	63.4	63.6	62.7	62.0	60.6	58.5	56.5		
NFA 2978 RPM	125	47.5	56.0	60.9	62.6	63.0	62.8	62.2	60.4	58.6	55.9	53.7	
(312, RAD/SEC)	150	45.1	54.5	59.9	61.2	60.9	61.2	63.4	60.1	57.0	53.4	51.9	
NFA 2945 RPM	200	46.7	55.2	62.4	63.5	63.5	63.2	62.3	59.8	57.5	54.8	52.0	
(306, RAD/SEC)	250	46.2	57.4	64.0	65.5	66.4	66.0	64.4	62.6	60.6	56.7	54.1	
NFA 3244 RPM	315	45.2	55.7	62.0	63.8	63.5	62.8	61.4	59.6	57.5	53.4	50.1	
(340, RAD/SEC)	400	46.3	56.1	61.9	64.0	64.0	63.7	61.3	60.2	58.1	53.9	50.1	
AIRFLOW RATIO	500	43.3	53.3	59.0	60.8	61.3	60.7	59.0	56.8	55.0	51.6	48.0	
WF/WH 12.60	630	40.3	49.9	56.6	59.0	59.0	59.5	57.1	54.9	53.4	49.6	46.3	
800	39.1	50.4	57.0	60.2	62.4	62.8	62.5	60.5	57.8	55.5	52.8	48.7	
VEHICLE UTWSTM	1000	47.9	63.1	66.9	73.0	77.0	78.5	75.0	73.2	70.5	66.0	63.7	
CONFIC	1250	35.8	49.3	57.6	61.5	62.1	62.8	63.7	60.9	58.9	55.4	51.5	
LCC SCHEMECTADY	2000	34.4	43.0	57.4	62.3	64.5	65.3	63.4	60.7	57.2	53.9	50.3	
DATE 05-29-75	2500	39.4	54.6	65.0	70.4	73.5	74.7	71.9	69.4	65.7	63.5	59.1	
RUN 12/5	2500	33.3	50.2	60.1	64.7	67.2	67.0	65.7	61.1	58.2	55.7	52.6	
TAPE X00040	3150	34.0	53.5	64.6	70.0	72.2	72.1	71.4	66.9	63.5	60.8	56.4	
FAN TIP SPEED	4000	23.4	46.7	59.0	66.3	69.3	69.6	68.4	64.7	59.4	57.3	54.0	
923, FT/SEC	5000	15.9	40.6	54.1	61.2	65.1	65.9	62.8	60.3	55.3	52.1	49.0	
6300	4.7	35.2	50.9	58.0	61.5	63.4	63.7	61.7	57.5	51.4	48.4	44.9	
7000		25.4	44.7	52.7	59.9	66.3	66.5	65.5	62.9	45.5	41.7	39.0	
10000			13.3	34.7	46.0	51.2	52.2	49.4	47.5	40.7	35.4	31.7	
OVERALL CALCULATED		58.0	68.4	75.1	78.6	81.4	82.2	80.3	77.5	74.6	72.0	68.5	
PNUB		61.6	76.7	86.6	91.4	93.7	93.9	92.6	89.1	85.6	82.7	79.7	

Run 12/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (59, DEC, F, 70 PERCENT RFL, NUM, DAY) PLOC: DATE - MONTH 72 DAY 0 HR. 0.8
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 0, 0, 0, 0, 0, 0)	PWL															
		(0, 17)	(0, 35)	(0, 52)	(0, 70)	(0, 87)	(1, 05)	(1, 22)	(1, 40)	(1, 57)	(1, 75)	(1, 92)	(0,)	(0,)	(0,)	(0,)	
RADIAL 17. FT.	50	56.6	60.6	66.1	67.8	68.8	69.1	68.6	67.1	67.1	67.3	65.8	65.1				101.0
	63	72.8	72.8	74.3	76.5	77.0	76.3	72.8	73.5	75.3	76.8	74.5	74.5				103.9
	80	64.6	67.1	66.4	66.6	68.1	67.4	72.1	74.1	74.1	76.1	73.9	71.4				106.4
VEHICLE UTWSIM	100	70.6	69.6	68.9	67.6	65.6	65.9	68.6	69.9	71.1	71.6	70.9	69.9				103.4
CONFIS	125	79.4	78.7	77.9	76.9	76.4	74.7	73.7	73.7	73.4	72.4	71.7	71.7				108.8
LOC SCHEMECTADY	160	78.4	78.6	75.6	77.4	77.6	75.9	74.4	74.6	73.6	72.1	71.1	71.1				109.2
DATE 05-29-75	200	79.5	80.8	80.5	80.0	79.2	78.7	76.7	75.5	77.0	74.2	72.0	70.5				111.1
RUN 12/6	250	87.3	88.5	85.0	84.7	83.5	82.0	81.2	81.5	81.5	80.5	77.7	74.5				115.5
TAPE X00040	315	89.0	88.3	88.0	87.7	86.2	83.5	82.5	80.8	79.5	78.0	75.7	74.5				116.5
SAW 29.9 HG	400	86.4	86.4	86.1	86.9	85.6	84.2	83.1	81.6	79.1	76.9	74.4	72.9				114.3
(00963, N/M2)	500	84.6	84.6	85.3	86.6	84.6	82.6	81.8	80.1	78.6	77.6	74.3	71.6				115.7
TAMS 71. DEG F	630	85.4	86.4	87.2	87.7	86.5	84.6	83.4	81.4	79.7	76.7	74.0	71.7				115.5
(299, DEG K)	800	89.8	87.3	89.7	90.3	89.8	88.5	87.0	84.3	81.5	78.8	75.5	73.0				119.4
TLET 59. DEG F	1000	88.9	88.2	88.9	89.7	88.5	86.8	83.9	82.1	79.2	76.7	73.9	70.7				115.0
(26, DEG K)	1250	91.0	90.5	89.7	89.6	88.3	86.8	84.2	82.2	80.0	77.3	73.5	70.3				110.4
MACT 0. GM/M3	1600	87.9	87.1	87.1	87.7	86.4	85.2	82.3	79.9	76.9	75.4	71.6	69.1				116.2
(, KG/M3)	2000	83.4	84.7	84.7	85.1	85.1	84.5	83.4	80.8	78.5	75.0	72.2	69.7				115.3
NFA 10697. RPM	2500	85.1	86.4	85.9	87.1	87.5	85.7	83.3	82.5	79.9	77.0	74.4	75.7				117.3
(1129, RAD/SEC)	3150	97.2	96.9	97.4	100.1	101.1	98.8	98.6	95.6	93.4	89.5	86.4	82.5				130.3
NFK 10576. RPM	4000	86.0	86.8	87.8	89.1	89.3	89.0	85.5	85.6	82.4	79.5	76.1	73.4				119.7
(1107, RAD/SEC)	5000	86.1	87.6	88.3	89.4	90.1	89.8	88.3	85.6	82.4	79.3	76.4	73.7				123.1
NFD 11517. RPM	6300	95.3	93.5	94.2	99.2	98.4	98.7	97.2	94.3	89.3	85.4	83.9	81.7				128.7
(1204, RAD/SEC)	8000	90.0	92.0	93.7	94.9	94.8	94.5	91.9	90.2	85.2	81.3	78.9	76.9				124.7
FAN TIP SPEED	10000	92.6	97.9	99.0	101.5	101.6	100.2	99.0	95.6	91.6	87.9	85.2	83.0				131.2
934, FT/SEC	12500	91.6	92.9	93.5	97.0	98.2	98.3	97.1	93.1	89.5	85.5	82.4	79.1				129.4
NO. OF BLADES 18	17000	87.5	87.6	89.8	92.5	93.8	93.4	92.8	85.8	85.2	79.7	77.5	74.6				124.5
	20000	86.6	86.9	89.3	92.5	93.4	93.1	91.8	85.8	84.5	77.6	74.6	72.3				124.0
	25000	85.8	85.8	87.9	91.3	92.1	90.9	90.0	83.5	82.2	74.3	70.3	69.0				123.0
	31500	85.1	85.6	86.1	86.6	87.3	89.9	88.0	82.4	79.8	72.1	67.2	65.8				122.1
	40000	83.1	83.1	84.6	86.7	87.9	87.1	85.9	79.7	78.5	69.7	63.5	64.2				121.1
OVERALL MEASURED																	
OVERALL CALCULATED		104.0	104.2	103.2	107.5	107.7	106.6	109.7	102.8	99.1	95.4	93.3	90.1				137.7
PNDB		117.4	117.3	117.8	119.8	120.1	118.9	117.8	115.6	112.5	109.2	107.4	103.2				

Run 12/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PHOC, DATE - MONTH 72 DAY 8 HR. 0:8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM NOVEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°
FREQ. (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
50	37.2	45.8	51.9	54.8	54.8	54.5	55.5	54.9	53.6	52.4	52.0	51.1	51.1
63	42.6	50.2	54.1	56.1	57.4	58.6	59.2	58.1	55.5	53.1	51.1	51.1	51.1
80	48.6	54.1	58.5	60.0	60.4	60.9	61.9	62.4	61.5	58.6	54.9	51.1	51.1
100	49.1	56.6	61.1	62.5	61.6	61.9	61.0	60.2	58.9	56.5	54.7	51.1	51.1
125	48.0	54.2	59.9	61.6	62.0	62.3	61.7	59.7	57.6	54.9	52.9	51.1	51.1
160	43.4	52.8	59.1	60.2	60.2	60.7	59.9	58.9	58.0	54.6	51.4	51.1	51.1
200	44.5	54.2	59.9	61.3	62.1	62.2	61.0	58.8	57.6	54.1	51.3	51.1	51.1
250	46.4	56.1	62.0	64.7	65.1	65.5	63.6	62.4	58.6	55.4	52.4	51.1	51.1
315	44.5	54.7	61.0	63.1	63.5	62.1	61.2	58.9	56.5	52.6	49.5	51.1	51.1
400	49.8	54.8	66.4	65.0	63.3	62.2	61.1	59.4	56.9	52.9	49.1	51.1	51.1
500	41.3	51.5	58.0	60.3	61.3	60.0	58.6	56.1	54.8	50.8	47.6	51.1	51.1
630	37.8	48.4	54.9	56.5	60.3	60.7	59.1	57.4	54.9	51.1	46.1	51.1	51.1
800	38.1	48.7	56.2	60.5	62.1	62.3	60.5	58.5	55.6	53.0	46.7	51.1	51.1
1000	47.2	59.3	66.7	73.5	73.3	73.2	74.3	71.7	68.0	66.7	65.2	51.1	51.1
1250	39.3	48.8	57.0	61.3	63.6	64.8	63.6	60.4	57.7	54.1	50.6	51.1	51.1
1600	39.9	43.0	56.4	61.3	63.7	64.5	62.4	59.9	56.7	53.9	50.6	51.1	51.1
2000	37.4	54.5	65.2	65.9	72.0	72.4	70.7	66.4	62.7	61.0	58.1	51.1	51.1
2500	33.3	50.7	60.1	64.7	67.4	66.8	66.2	61.9	56.2	55.7	52.9	51.1	51.1
3150	39.0	54.0	65.3	70.5	72.2	73.1	71.9	67.7	64.2	61.3	56.4	51.1	51.1
4000	23.7	45.5	58.8	65.6	69.0	70.1	67.4	64.7	59.9	57.5	53.5	51.1	51.1
5000	14.9	49.1	53.4	60.5	64.6	65.4	62.3	60.0	54.8	52.3	48.8	51.1	51.1
6300	3.7	34.4	49.0	57.5	61.2	62.6	59.2	57.8	51.2	47.9	44.7	51.1	51.1
8000		25.1	43.5	52.2	59.9	60.1	55.5	53.1	45.5	41.2	38.8	51.1	51.1
10000			12.3	33.7	45.0	50.4	52.2	43.9	40.2	34.9	32.2	51.1	51.1
OVERALL CALCULATED		56.5	66.6	74.4	73.5	79.9	80.7	79.3	78.5	73.2	71.0	67.0	67.0
PND8		60.5	76.2	86.4	91.3	93.2	93.9	92.5	89.0	85.4	82.5	79.3	79.3

Run 12/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH PD DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (50, DEC. F, 70 PERCENT REL. HUM, DAY)

ANGLS FROM INLET IN DEGREES (AND RADIANSS)

SPL INPUT AT STD	FREQ.	ANGLS FROM INLET IN DEGREES (AND RADIANSS)														PWL		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.		140.	150.
	50	66.1	66.3	65.6	67.3	66.1	64.6	68.1	65.3	66.6	67.3	65.6	65.1					100.7
	63	72.3	72.8	74.0	76.5	76.8	73.0	72.8	73.5	75.3	77.0	74.3	74.5					105.9
RADIAL 17. FT.	80	64.9	67.1	65.9	65.9	67.9	67.1	71.9	67.6	73.6	73.6	75.9	73.6					106.1
(5. M)	100	67.9	60.6	66.1	65.1	63.4	64.4	66.1	67.6	68.9	69.6	65.6	67.1					101.1
VEHICLE UTMSTM	125	78.7	79.7	74.7	73.9	73.4	71.7	71.7	71.4	71.2	75.2	69.2	69.4					105.4
CONFIG	160	75.4	73.1	72.4	73.0	74.4	72.9	71.4	72.1	71.4	70.1	69.6	69.1					105.4
LOG SCHEMATIC	200	77.0	78.0	77.2	77.0	76.0	76.0	75.2	75.5	74.0	71.5	69.2	68.0					103.1
DATE 05-29-75	250	84.0	82.8	82.0	81.7	80.5	79.0	79.0	77.8	75.7	77.7	75.0	72.2					112.5
RUN 12/7	315	86.5	86.5	85.2	85.5	84.0	81.5	82.5	75.0	76.7	75.2	73.5	72.2					114.2
TAPE X00040	400	85.1	84.6	85.1	84.5	84.4	83.2	82.1	80.4	77.9	75.1	72.9	71.1					114.7
SAR 29.9 FT	500	82.1	82.1	82.8	84.1	82.6	81.1	80.3	78.6	77.4	75.5	72.8	69.6					113.1
(10965, A/M2)	630	84.4	84.4	84.7	85.2	84.2	83.0	81.4	79.9	77.0	75.0	72.0	70.2					114.4
TANG 71, DEG F	800	86.0	86.0	87.5	89.3	88.0	86.0	85.5	82.6	80.3	77.5	74.5	72.0					117.9
(295, DEG K)	1000	83.4	87.9	87.9	86.5	88.5	88.0	83.4	82.3	80.2	76.7	74.2	70.7					117.5
TLET 59, DEG F	1250	87.3	89.0	89.0	89.6	87.8	85.6	83.2	80.4	78.5	75.3	71.8	69.3					117.5
(265, DEG K)	1600	87.4	86.4	85.6	86.0	84.4	83.2	81.3	78.7	76.6	74.9	71.6	68.1					114.7
MACT 0, GM/3	2000	82.7	83.4	84.2	85.4	84.3	83.6	82.6	80.1	77.5	75.0	71.0	68.7					114.7
(, KG/M3)	2500	83.9	85.1	85.1	86.3	86.5	86.7	85.1	82.0	78.7	77.0	74.1	71.2					116.7
NFA 10011, RPM	3150	95.7	93.9	97.1	97.4	100.1	101.5	100.6	95.3	93.7	88.6	87.7	83.7					133.7
(1132, RAD/SEC)	4000	85.0	85.5	85.6	88.4	88.1	88.5	88.3	85.1	81.9	77.0	74.9	72.2					119.1
NFK 10648, RPM	5000	86.5	88.3	89.3	90.4	90.1	90.5	88.2	85.6	82.6	79.0	75.6	73.2					120.5
(1119, RAD/SEC)	6300	96.5	94.8	94.2	96.7	95.9	95.2	97.7	93.6	90.6	86.9	84.4	79.9					127.5
NFD 11517, RPM	8000	96.0	95.8	102.9	103.6	105.0	103.3	101.9	97.7	93.2	88.8	86.4	83.6					133.4
(1206, RAD/SEC)	10000	95.1	97.1	98.5	102.0	102.4	101.4	98.8	95.8	91.6	88.6	85.9	83.8					131.5
NO. OF BLADES 18	12500	95.1	94.4	95.5	99.7	100.0	100.0	98.8	94.3	91.0	86.5	83.5	80.9					129.9
FAN TIP SPEED	16000	89.6	90.3	93.0	94.2	96.1	95.6	93.6	89.5	87.5	81.7	79.3	76.0					126.1
944, FT/SEC	20000	87.6	89.1	91.5	94.7	95.2	94.6	92.6	87.8	85.7	78.0	76.4	74.5					125.6
	25000	85.5	87.0	88.9	92.8	93.3	92.4	91.0	87.1	83.4	75.8	71.8	70.0					124.3
	31500	85.0	86.1	86.9	89.6	91.3	89.9	88.3	83.2	81.1	73.9	68.4	66.5					122.7
	40000	82.8	83.3	84.9	86.7	88.1	87.1	86.1	79.7	79.0	70.7	64.7	64.7					121.3
OVERALL MEASURED																		
OVERALL CALCULATED		104.8	104.7	106.9	108.7	109.5	104.3	107.4	103.7	100.3	96.2	93.9	91.7					139.2
PNDB		116.6	113.7	118.0	119.0	119.7	120.0	119.2	115.5	112.8	108.9	107.8	103.8					

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OF POOR QUALITY

Run 12/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 80 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEC, F, 70 PERCENT WEL, NUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	35.7	42.6	46.1	51.5	51.0	51.5	55.0	52.7	51.6	50.9	50.0						
63	39.8	46.9	51.1	52.3	54.0	50.1	55.2	55.1	52.7	50.3	46.6						
SIDELINE 500, FT. (152.40 M)	43.8	51.1	55.5	57.0	57.4	58.6	57.4	59.6	58.6	55.9	52.7						
100	48.9	53.8	58.8	60.2	59.6	59.9	53.2	57.5	56.1	54.2	52.5						
NFA 3045, RPM (319, RAD/SEC)	44.3	53.2	57.9	60.3	61.0	61.3	61.4	58.4	55.8	53.4	51.2						
125	40.9	50.3	56.6	58.2	50.7	59.2	53.4	57.9	56.3	53.1	49.4						
NFK 3011, RPM (315, RAD/SEC)	42.5	51.7	57.4	59.5	60.3	60.2	59.5	57.1	55.2	52.1	49.8						
200	43.2	53.9	61.0	63.0	63.6	64.0	62.1	60.1	57.6	54.4	51.4						
NFD 3244, RPM (340, RAD/SEC)	44.2	53.7	59.8	63.1	62.0	61.6	61.4	59.9	56.5	52.9	49.8						
400	44.3	54.1	60.4	62.0	62.0	61.2	57.3	57.9	54.9	51.2	48.1						
AIRFLOW RATIO	40.6	50.0	56.3	53.3	59.3	59.0	57.3	55.3	54.3	50.8	46.8						
WF/WH 12.60	630	38.5	47.9	55.1	57.7	57.6	60.0	53.4	56.4	54.1	49.9						
850	38.8	47.9	55.5	59.5	62.1	62.1	63.0	57.3	55.6	52.8	49.2						
VEHICLE UTMSH	1000	44.2	59.1	65.9	72.5	70.5	77.2	74.0	72.0	67.2	60.0						
CONFIG	1250	34.0	47.8	56.3	60.0	63.3	64.6	62.5	59.9	57.2	52.9						
LOC SCHEMECTADY	1600	34.6	49.0	57.4	61.3	64.5	64.5	62.4	60.2	56.7	53.1						
DATE 05-29-75	2000	38.8	52.5	62.7	66.4	63.5	72.9	70.2	67.7	64.2	61.5						
RUN 12/7	2500	40.0	60.0	68.9	74.9	73.2	76.8	73.7	69.9	65.7	63.2						
TAPE X00040	3150	34.2	53.5	65.8	71.3	73.5	72.9	71.2	67.7	65.0	62.0						
FAN TIP SPEED	4000	25.2	47.5	61.5	67.3	70.8	69.8	63.7	66.2	61.9	56.8						
944, FT/SEC	5000	17.7	43.4	55.6	62.7	62.9	66.1	63.5	62.3	56.6	54.1						
6300	9.9	36.7	52.1	59.3	62.7	63.4	60.2	59.0	52.4	49.7	46.9						
8000		28.1	45.0	53.5	57.4	59.1	57.0	54.4	47.0	42.7	40.5						
10000		13.0	34.5	46.0	50.4	52.5	49.7	48.8	42.0	36.2	33.0						
OVERALL CALCULATED		54.6	66.3	74.4	79.5	81.3	82.5	79.9	77.3	73.6	71.1						
PNDB		61.2	78.6	87.9	93.3	94.2	95.7	93.1	90.1	86.3	83.3						

Run 12/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY @ HR. @ @

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT PPL, HUM, DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)											PWL					
	(0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
50	67.8	68.3	67.6	69.3	71.1	71.8	71.3	67.6	68.6	68.6	67.8	67.1					103.2
63	72.4	73.0	74.3	77.3	77.5	76.8	73.3	73.5	75.0	76.8	74.8	75.3					109.2
RADIAL 17. FT. (3. M)	80	85.4	88.1	87.4	83.1	87.1	71.6	73.6	74.1	76.1	74.1	71.4					106.4
VEHICLE UTMSIM CONFIG	100	73.1	72.8	71.1	69.9	67.9	67.6	72.4	73.6	74.4	73.9	72.6					106.3
LCC SCHEMECTADY	125	83.9	83.2	81.9	80.7	81.2	79.4	77.9	77.7	77.4	76.2	75.7					112.2
DATE 05-29-75	180	81.9	80.4	79.4	80.9	81.1	79.6	77.9	77.6	76.9	74.9	74.4					111.6
HUM 12/3	200	84.0	85.0	84.5	83.5	83.2	82.7	82.2	82.6	81.0	78.0	75.7					115.3
TAPE Y00040	250	91.0	87.8	89.2	85.7	87.0	85.2	85.0	84.8	83.0	83.5	81.2					114.9
RAV 29.9 MS	315	93.0	93.5	92.5	92.5	90.5	80.3	86.7	84.8	83.7	82.7	80.7					121.1
(33959. N/MZ)	400	90.6	90.6	90.4	90.4	89.1	88.4	87.1	85.1	82.6	83.9	77.6					119.8
TAM 72. DEG F	500	87.6	89.3	90.0	90.3	86.8	80.3	85.8	83.3	82.1	80.6	70.1					119.5
(295. DEG K)	630	92.7	92.2	91.9	92.0	90.7	80.5	86.9	84.9	82.5	79.7	77.0					120.6
TWST 59. DEG F	800	93.5	92.8	93.0	94.3	93.0	91.8	90.0	87.8	84.8	82.3	79.0					122.9
(259. DEG K)	1000	93.7	90.4	91.7	92.5	91.2	88.7	86.4	84.1	81.7	79.2	75.2					120.5
MACT 0. CM/MS	1250	92.5	92.3	92.5	92.8	91.8	89.6	87.2	85.2	82.5	80.3	76.8					121.3
(CM/MS)	1500	90.6	90.4	89.8	89.5	88.4	86.9	84.3	81.7	79.1	76.9	73.6					118.4
NFA 11105. RPM	2000	86.9	87.7	87.7	87.9	87.3	85.8	84.9	81.8	78.7	77.5	73.0					117.2
(1124. RAD/SEC)	2500	88.1	87.6	87.9	88.6	86.5	83.0	80.1	83.3	79.4	77.5	74.4					113.3
NFA 10958. RPM	3150	101.4	99.9	100.6	104.9	104.1	103.5	104.3	100.8	98.9	93.0	91.9					134.7
(1147. RAD/SEC)	4000	90.3	90.0	91.1	93.6	93.6	93.0	93.3	93.4	87.2	83.2	80.9					124.8
NFA 11517. RPM	5000	89.6	89.8	90.1	91.4	92.1	91.6	91.3	88.3	84.4	81.5	77.9					122.3
(1206. RAD/SEC)	6300	90.5	99.3	98.4	102.2	102.1	101.7	99.4	97.0	91.8	90.6	85.9					131.7
NFA 1206. RPM	8000	92.5	93.5	94.4	96.6	96.3	95.3	93.7	93.8	85.7	82.8	79.7					126.3
(1206. RAD/SEC)	10000	93.9	90.1	99.5	103.5	101.7	101.5	98.5	95.6	90.9	80.9	80.2					131.3
NO. OF BLADES 18	12500	92.9	93.9	95.5	97.5	99.7	99.6	93.1	94.8	89.5	84.7	82.4					129.3
FAN TIP SPEED 969. FT/SEC	14000	89.3	90.3	91.5	94.8	96.6	97.4	95.1	93.5	86.7	81.5	79.0					127.0
20000	87.3	87.8	89.9	94.3	94.3	94.4	94.4	92.5	83.1	83.4	76.3	73.0					125.3
31500	87.6	87.6	88.6	91.6	93.1	93.1	90.5	85.4	81.3	74.1	69.7	67.3					124.9
40000	84.6	85.6	86.6	89.5	90.9	90.1	86.4	82.2	79.8	71.7	66.8	64.9					123.8
OVERALL MEASURED																	
OVERALL CALCULATED	100.9	100.9	107.4	110.4	110.0	109.5	106.5	105.2	102.1	98.0	95.7	93.3					140.3
PNDP	121.0	120.3	120.7	123.7	123.0	122.2	122.1	119.1	116.7	112.3	110.4	107.5					

Run 12/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PHGC; DATE - MONTH DD DAY 0 HR, 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.17)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	
50	42.9	49.6	55.4	60.3	65.2	70.1	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0
63	46.8	54.2	57.6	60.1	61.4	62.1	63.4	62.1	63.4	62.1	59.2	56.8	54.8	52.8
SIDELINE 500 FT, 50	59.8	58.3	62.5	63.5	63.6	64.6	65.2	65.9	64.5	64.5	64.5	62.1	58.7	56.7
(152.40 M) 100	53.9	61.1	65.8	66.7	66.4	66.1	65.0	64.5	63.6	61.5	59.2	56.7	54.8	52.8
NFA 3128 RPM 125	50.3	58.5	63.4	65.1	66.3	66.3	65.2	63.2	61.6	58.2	56.2	54.1	52.1	50.1
(327 RAD/SEC) 160	48.1	57.5	62.9	64.4	63.9	64.7	63.1	62.4	61.3	56.4	54.1	52.1	50.1	48.1
NFK 3659 RPM 200	50.2	58.9	64.1	66.0	67.6	65.7	64.5	62.6	60.0	57.1	54.8	52.8	50.8	48.8
(324 RAD/SEC) 250	49.9	59.4	66.0	65.0	66.9	66.5	67.1	64.6	62.3	58.9	55.6	52.6	50.6	48.6
NFD 3244 RPM 315	45.7	57.5	63.8	65.8	67.3	64.6	63.2	61.4	59.8	54.9	52.1	50.1	48.1	46.1
(340 RAD/SEC) 400	47.5	57.6	65.6	66.0	66.4	65.2	64.1	61.9	59.9	56.2	52.6	50.6	48.6	46.6
AIRFLOW RATIO 500	44.6	54.3	59.8	62.3	65.1	62.5	60.3	58.3	56.3	52.8	49.8	47.8	45.8	43.8
HF/WH 12.00 630	40.9	51.4	57.6	60.7	61.0	62.2	60.1	57.6	56.6	51.9	48.6	46.6	44.6	42.6
800	39.3	50.7	57.7	61.5	63.4	63.1	61.3	58.0	56.3	53.0	49.5	47.5	45.5	43.5
VEHICLE UTWSIM 1000	58.2	62.6	73.4	76.5	78.3	81.0	73.5	77.2	71.5	70.2	66.2	64.2	62.2	60.2
CONFIG 1250	38.5	52.0	61.5	65.5	67.6	69.6	67.7	65.1	61.4	58.9	54.5	52.5	50.5	48.5
LRC SCHEVECTADY 1600	38.1	49.7	58.4	63.3	67.7	67.0	65.2	61.9	59.2	55.4	51.6	49.6	47.6	45.6
DATE 05-29-75 2000	43.1	56.8	68.2	72.7	75.0	74.7	73.4	68.9	67.9	63.0	61.1	59.1	57.1	55.1
RUN 12/8 2500	34.8	51.5	61.9	66.2	68.2	69.5	67.0	62.4	59.7	56.4	54.4	52.4	50.4	48.4
TAPE X00040 3150	35.2	54.5	67.3	70.9	73.3	72.6	71.2	66.9	63.2	61.3	59.4	57.4	55.4	53.4
FAN TIP SPEED 4000	24.7	47.5	59.3	67.1	69.6	71.1	69.2	64.7	60.1	57.5	54.2	52.2	50.2	48.2
969 FT/SEC 5000	17.7	41.9	55.6	63.2	67.6	67.6	64.5	61.5	56.6	53.8	50.5	48.5	46.5	44.5
6300	9.9	36.4	52.1	60.0	63.7	64.9	60.7	58.8	52.9	50.2	46.4	44.4	42.4	40.4
2000		27.1	46.5	55.0	59.4	60.8	58.0	54.4	47.3	44.0	40.5	38.5	36.5	34.5
12000		14.8	36.5	47.8	53.7	56.7	51.9	49.0	42.2	37.4	33.7	31.7	29.7	27.7
OVERALL CALCULATED	60.4	70.0	78.0	81.2	83.0	84.1	82.2	80.0	76.3	73.6	70.7	68.7	66.7	64.7
PND8	62.2	78.1	88.9	92.9	95.2	95.2	93.5	90.0	87.1	83.8	81.2	79.2	77.2	75.2

Run 12/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)	MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)												PHL
		ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		01	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	50	66.6	66.6	66.3	67.6	69.3	69.6	68.8	67.1	67.1	66.1	65.3		101.2
	63	72.5	73.0	74.3	77.0	77.3	78.5	73.3	73.5	75.0	76.5	74.5		109.0
RADIAL 17. FT.	80	65.0	66.1	67.1	66.6	66.1	66.9	71.4	73.6	75.6	75.9	74.1		106.2
(5. M)	100	69.9	69.1	68.6	67.4	64.9	65.1	67.9	67.4	70.9	71.2	70.9		103.3
VEHICLE UTWSIM	125	79.4	78.4	77.2	76.2	76.2	74.4	73.4	73.4	73.2	71.9	71.7		107.7
CONFIG	160	77.6	75.9	75.1	76.6	76.6	75.4	73.9	73.6	73.1	71.9	71.1		107.6
LOC SCHEMECTADY	200	79.3	80.5	80.0	79.5	78.7	78.5	74.2	75.3	77.2	74.5	72.0		110.3
DATE 05-29-75	250	86.3	85.0	84.0	84.0	82.7	81.2	81.0	80.3	80.5	79.5	76.5		114.5
RUN 12/9	315	87.8	87.8	87.0	87.5	85.0	83.0	82.0	80.3	78.7	77.5	74.7		119.8
TAPE X03040	400	80.6	86.1	85.1	86.9	85.6	84.7	83.9	81.9	78.9	77.6	73.9		116.2
BAR 20.9 HG	500	84.1	84.5	84.5	86.6	84.1	82.1	81.5	80.3	78.3	76.3	73.3		114.5
(00966, L/M2)	630	86.2	87.9	87.9	87.5	85.0	83.3	82.9	80.9	78.2	75.7	73.2		117.7
TACH 72. DEG F	800	86.5	85.0	83.0	86.0	83.9	87.0	86.0	83.5	80.5	78.5	75.5		114.7
(292, DEG K)	1000	88.9	88.7	88.7	89.2	89.2	87.0	85.7	82.0	80.9	78.0	74.0		119.5
THET 59. DEG F	1250	89.5	89.8	89.2	90.3	90.3	87.3	86.5	84.2	81.5	78.5	75.3		119.6
(282, DEG K)	1600	86.1	87.4	85.3	87.0	86.7	84.4	83.6	80.4	77.6	75.9	73.1		116.2
MACT 0. GM/M3	2000	81.9	82.9	83.9	86.9	87.1	86.4	83.9	81.0	78.7	77.5	72.2		115.5
(. KG/M3)	2500	83.1	82.9	83.9	86.3	87.3	87.0	85.3	81.9	78.7	76.7	73.4		116.4
NFA 11100, RPM	3150	91.2	94.9	97.6	95.6	100.9	102.8	101.5	95.6	93.9	90.3	85.9		121.0
(1163, RAD/SEC)	4000	87.5	86.5	87.8	89.1	90.3	91.3	90.5	85.9	83.2	80.2	76.6		121.0
NFK 12971, RPM	5000	86.3	85.3	80.6	86.4	83.8	80.3	87.8	84.6	81.4	78.2	74.9		119.7
(1149, RAD/SEC)	6300	97.3	95.4	95.7	97.7	97.6	97.9	97.2	95.5	93.6	87.6	84.9		125.5
NFD 11517, RPM	8000	93.0	92.5	93.7	94.9	94.8	94.3	92.7	90.2	85.4	81.8	77.7		124.4
(1205, RAD/SEC)	10000	96.4	97.4	95.3	101.0	101.0	100.4	96.5	95.3	90.9	87.1	84.9		131.5
NO. OF BLADES 18	12500	92.4	92.6	93.3	96.2	97.5	97.3	96.3	93.1	89.0	83.7	81.6		127.7
FAN TIP SPEED	15000	87.8	88.1	89.8	92.8	94.1	94.4	92.6	88.3	85.7	77.7	77.5		124.9
970. FT/SEC	20000	87.1	86.6	89.3	92.2	93.4	92.8	91.6	86.5	84.5	77.6	74.9		125.0
	25000	84.0	86.0	87.4	91.5	91.8	90.7	89.8	85.5	82.2	75.0	73.8		129.1
	31500	85.8	85.8	85.9	89.1	89.8	89.4	87.5	82.2	79.8	72.9	67.7		121.3
	40000	83.3	83.3	83.9	85.7	87.1	86.4	85.1	78.9	74.3	70.2	65.0		120.4
OVERALL MEASURED														
OVERALL CALCULATED		104.6	103.9	104.8	106.8	107.5	107.6	106.3	102.9	99.3	95.7	92.7	90.5	
PND8		119.0	118.2	117.6	118.8	120.0	120.8	119.6	115.7	112.8	109.7	106.1	104.0	137.8

Run 12/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PNOC; DATE = MONTH 96 DAY 8 MR. 88

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAV)

ANGLES FROM INLET IN DEGREES (AND) RADIANS

SPL INPUT AT STD	FREQ. (0.8)	10 (0.17)	20 (0.35)	30 (0.52)	40 (0.70)	50 (0.87)	60 (1.05)	70 (1.22)	80 (1.40)	90 (1.57)	100 (1.75)	110 (1.92)	(0.8)	(0.8)	(0.8)	(0.8)	(0.8)
50	38.4	45.3	51.1	53.6	54.3	54.0	54.5	54.4	53.3	52.4	51.6						
63	42.3	49.7	53.6	55.6	57.1	58.1	53.7	53.3	55.7	53.1	50.6						
SIDELINE 500 FT. (152.40 M)	80	45.1	53.1	57.7	59.3	59.6	60.6	61.2	61.4	60.5	57.4	54.4					
100	48.1	55.6	60.8	61.2	61.1	61.4	60.5	59.5	58.3	55.4	52.2						
NFA 3120 RPM (323 RAD/SEC)	125	49.8	54.2	59.9	61.6	62.5	63.1	61.9	59.4	58.3	54.4	52.9					
160	43.4	52.0	58.1	59.7	59.7	60.5	60.1	58.6	56.8	53.6	50.1						
NFR 3090 RPM (324 RAD/SEC)	200	46.0	54.9	59.6	61.3	61.6	61.7	60.5	59.3	56.0	53.3	51.3					
250	49.2	55.4	61.6	63.7	64.6	64.5	62.9	65.4	58.3	55.4	52.1						
NFD 3244 RPM (340 RAD/SEC)	313	49.0	54.5	60.5	63.8	63.8	63.9	61.7	60.6	57.8	53.6	50.1					
400	49.0	55.3	61.1	64.5	64.5	64.4	63.1	60.9	58.1	54.7	53.1						
AIRFLOW RATIO	500	41.5	50.3	57.3	63.5	60.6	61.2	59.1	56.8	55.3	52.3	47.8					
WF/W4 12.50	630	36.0	47.6	56.6	60.5	61.8	61.2	59.9	57.6	56.6	51.1	49.6					
800	34.6	46.7	55.5	60.2	62.4	62.3	59.5	57.3	55.5	52.0	48.5						
VEHICLE UTWSIM	1000	49.2	59.6	67.2	73.3	77.2	73.2	74.3	72.2	63.7	64.2	62.7					
1250	39.0	48.8	57.0	62.3	65.2	66.8	64.2	61.1	58.4	54.6	51.6						
CONFIG SCHEMECTADY	1600	32.6	46.2	55.4	60.1	62.7	63.5	61.4	58.9	56.0	52.4	49.1					
LCC	2000	39.6	54.0	63.7	68.2	71.3	72.4	71.9	67.7	64.9	62.0	57.1					
DATE 05-29-75	2500	33.8	50.7	60.1	64.7	66.9	67.5	65.2	62.1	58.7	56.4	53.1					
RUN 12/9	3150	34.5	53.3	64.6	70.5	72.5	72.6	71.2	66.9	63.5	61.0	57.9					
TAPE X60040	4000	23.4	45.2	58.0	64.6	66.7	65.3	67.4	64.2	59.1	56.8	53.2					
FAN TIP SPEED	5000	19.4	40.1	53.6	60.7	64.0	65.1	62.3	60.5	54.6	52.3	49.0					
970 FT/SEC	6350	9.4	34.4	49.6	57.5	61.8	62.4	53.9	57.8	51.4	48.2	44.9					
8000	24.6	43.7	52.0	57.7	59.8	55.5	53.1	46.3	41.7	36.0							
10000	12.0	34.0	44.5	49.9	51.7	43.7	47.5	41.0	35.4	32.5							
OVERALL CALCULATED		50.0	66.3	73.7	78.3	81.2	81.8	79.4	76.7	73.6	70.2	67.6					
PNDB		60.4	75.7	85.9	91.2	93.4	93.9	92.2	88.8	85.3	82.4	79.2					

Run 12/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY)

PROC. DATE - MONTH 03 DAY 0 HR. 00

ANGLE FROM INLET IN DEGREES (AND RADIAN) 0. 30. 60. 90. 120. 150. 180. 210. 240. 270. 300. 330. 360.

SPL INPUT AT STD FREQ. (0.1)(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.1)(2.3)(2.5)(2.8)(3.1)(3.5)(4.0)

STANDARD	0.	30.	60.	90.	120.	150.	180.	210.	240.	270.	300.	330.	360.	PHL
RADIAL 17. FT.	50	65.1	64.8	66.8	67.6	69.1	68.1	65.8	66.1	66.6	65.3	64.6	64.6	107.2
(3. M)	63	72.0	74.3	77.0	77.3	76.8	75.8	74.0	75.0	75.5	74.5	74.3	74.3	117.4
VEHICLE UTMSIN	80	64.9	67.1	65.6	67.2	69.0	68.6	73.1	73.4	75.4	75.6	72.1	72.1	117.5
CONFIG	100	66.6	65.6	65.1	64.4	62.2	62.4	65.6	67.9	67.9	67.4	66.1	66.1	97.7
LOC SCHWARTZ ADY	125	74.4	74.2	73.2	72.4	70.8	69.9	69.9	71.4	69.9	56.9	66.2	67.9	103.9
DATE 05-27-75	150	73.4	71.4	70.1	72.1	72.1	70.5	70.5	70.9	70.6	69.6	68.9	68.6	114.1
REV 12/10	200	75.0	76.0	75.7	75.0	74.2	73.7	74.0	72.5	75.0	67.7	68.5	68.5	116.4
TARE 1000.0	250	81.8	80.0	79.7	79.2	78.0	76.2	76.2	76.3	76.5	75.0	72.2	70.7	110.0
BAR 20.9	315	82.8	82.3	81.5	82.0	80.0	77.5	77.8	74.5	72.5	72.0	70.0	65.7	110.6
(1078. R/MS)	400	83.2	82.4	83.1	83.4	81.9	81.4	79.4	75.9	74.6	70.4	70.4	70.4	113.1
(1078. R/MS)	500	82.1	81.1	80.8	81.6	80.3	78.3	75.6	75.6	75.1	70.1	67.0	67.0	117.0
TARE 72.0	630	83.3	84.9	84.7	84.0	82.2	80.3	77.4	74.7	73.2	70.2	66.7	66.7	112.9
(295. DEG F)	800	83.3	83.0	84.2	85.5	84.3	82.6	82.6	79.5	76.5	74.5	72.5	69.3	114.4
(295. DEG K)	1000	80.9	80.9	85.4	85.2	84.2	82.3	82.0	78.1	76.2	74.3	70.2	66.9	114.4
TARE 59.0	1250	87.8	87.0	88.0	89.1	90.1	87.6	87.5	84.7	81.0	76.5	73.3	74.5	114.4
(281. DEG K)	1500	84.1	84.1	83.6	82.7	83.9	82.4	82.4	75.7	73.4	73.7	70.9	67.1	116.0
HACT 0.0	2000	81.4	82.2	82.7	83.9	84.6	83.0	82.0	82.5	79.2	77.3	73.5	71.2	111.7
(1.00/MS)	2500	82.5	82.5	83.1	84.1	85.0	83.7	83.7	80.7	81.0	78.2	76.0	72.4	110.4
NFA 11117.0	3150	90.4	90.4	97.4	100.9	99.3	97.3	97.3	92.3	89.4	87.3	83.4	82.0	119.5
(1024. RAD/SEC)	4000	88.8	87.3	88.3	89.6	89.1	87.5	87.5	83.6	80.7	77.7	74.2	72.2	117.7
NFA 10760.0	5000	80.1	80.1	89.3	89.9	91.6	89.3	88.3	85.1	82.1	77.7	73.6	72.2	119.0
(1150. RAD/SEC)	6300	93.0	92.3	92.9	94.7	94.6	94.9	94.9	91.3	88.3	83.6	80.1	77.9	120.1
NFA 12517.0	8000	98.0	101.8	101.7	100.9	100.8	105.3	103.5	94.9	90.4	85.5	81.9	81.9	120.4
(1200. RAD/SEC)	10000	94.4	95.1	97.5	99.8	100.4	101.2	101.2	94.8	90.4	86.6	83.4	82.3	120.6
NO. OF BLADES 10	12500	91.9	92.1	94.3	100.0	100.5	102.3	102.3	95.6	90.5	85.5	81.4	81.4	121.1
FAN TIP SPEED	14000	90.1	90.8	92.8	98.5	96.6	96.6	96.6	95.6	88.7	81.7	81.3	76.5	120.3
971. FT/SEC	20000	88.1	88.9	91.3	94.5	95.4	94.6	94.6	87.7	85.5	76.0	75.9	74.0	121.5
	25000	86.8	87.0	89.9	93.5	94.1	92.7	92.7	87.1	83.9	76.5	72.8	70.9	121.5
	31500	80.1	85.3	87.4	90.3	91.3	90.7	90.9	83.9	81.3	74.1	68.4	68.5	121.1
	40000	83.3	83.9	85.4	87.5	88.6	87.6	87.6	79.7	79.5	71.0	65.2	64.7	123.7
OVERALL MEASURED														
OVERALL CALCULATED	104.7	105.5	106.2	108.0	108.0	108.8	108.8	102.3	98.5	95.0	92.8	91.7	91.7	130.1
PNDB	118.0	118.6	117.2	119.5	118.6	118.0	118.0	112.8	109.7	107.5	104.0	102.9	102.9	

Run 12/Reading 10

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PHOC. DATE - MONTH 03 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAV)

ANGLES FROM INLET IN DEGREES (AND RADIAN'S)

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)																					
		(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120.)											
STDELINE 500 FT. 63	33.9	40.3	46.6	49.3	49.3	53.7	51.5	51.9	51.1	50.2	49.9												
(152.40 M) 80	37.3	45.4	47.1	51.1	52.2	53.6	54.7	53.6	51.2	48.8	47.1												
NFA 3131 RPM 100	41.1	45.8	53.0	54.5	55.5	55.9	56.7	57.4	56.0	53.1	51.2												
(328. RAD/SEC) 125	42.6	50.1	55.3	56.2	55.9	57.2	55.0	53.2	52.9	50.7	49.0												
NFK 3373 RPM 160	42.0	51.2	56.4	57.8	57.3	58.5	57.4	56.4	55.3	50.9	50.4												
(324. RAD/SEC) 200	38.9	48.3	54.1	55.9	55.9	57.3	55.4	55.9	53.5	50.4	47.6												
NFO 3244 RPM 250	43.0	51.7	56.1	57.5	57.6	59.3	57.0	54.8	53.5	50.1	48.3												
(340. RAD/SEC) 315	40.2	50.6	57.3	59.2	59.0	61.3	58.9	56.4	54.6	51.4	48.6												
ATM/LOC RATIO 300	42.2	51.2	56.5	58.3	58.0	60.2	57.2	55.9	53.8	49.9	46.1												
WF/WM 12.50 650	42.3	53.1	59.9	64.3	64.3	65.8	63.6	60.4	58.1	54.7	53.4												
VEHICLE UTMSTM 800	38.3	47.3	54.0	57.3	57.6	60.1	57.3	54.6	53.0	50.1	45.8												
CONFIG 1000	40.7	49.9	53.2	58.0	61.1	62.7	59.6	56.8	54.6	51.9	49.0												
LOC SCHEMECTADY 1250	35.8	43.3	49.4	71.8	72.3	73.9	70.0	67.7	65.7	61.7	57.7												
DATE 05-27-75 1600	34.4	49.0	56.9	62.3	62.2	64.0	61.9	58.6	55.9	52.1	49.0												
NUM 12/10 2000	38.1	51.3	60.7	65.2	63.3	70.2	67.7	63.4	60.9	57.2	54.4												
TAPE X00040 2500	43.0	50.7	66.1	76.7	76.4	76.3	71.0	67.1	65.5	61.7	62.9												
FAN TIP SPEED 4000	34.2	54.5	63.6	67.3	73.2	75.3	73.2	68.4	63.0	61.5	58.7												
970. FT/SEC 5000	25.9	43.2	61.8	67.2	73.0	75.3	69.9	65.7	60.9	61.5	58.5												
4300	15.2	43.1	57.4	63.2	66.9	69.2	64.3	58.5	56.6	50.1	50.5												
6000	3.7	36.4	51.9	59.5	62.7	65.3	59.4	53.8	52.2	49.2	46.4												
10000	27.1	45.7	54.2	57.7	60.7	63.3	57.4	50.8	47.6	43.7	40.9												
OVERALL CALCULATED	53.4	65.2	73.8	77.6	81.4	83.1	80.4	75.0	72.3	67.2	63.0												
PHOC	62.1	77.5	86.1	90.8	93.0	97.0	91.5	88.3	85.4	82.6	81.4												

Run 12/Reading 11

SPL INPUT AT STD	FULL SCALE DATA REDUCTION PROGRAM													PNDB DATE - MONTH 11 DAY 8 HR. 0.8			
	MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)																
	ANULES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.		
50	67.1	67.8	67.1	66.3	65.8	65.0	64.0	63.3	62.6	62.5	62.8	63.3	63.8	64.3	64.8		
53	73.0	73.8	73.0	72.8	72.3	71.8	71.3	70.8	70.3	70.2	70.5	71.0	71.5	72.0	72.5		
56	84.9	87.4	87.1	86.9	86.4	85.4	84.6	83.9	83.4	83.3	83.6	84.1	84.6	85.1	85.6		
100	71.4	70.6	69.6	68.6	68.1	67.4	66.9	66.4	65.9	65.8	66.1	66.6	67.1	67.6	68.1		
125	81.7	80.9	79.7	78.4	78.4	77.9	77.4	76.9	76.4	76.3	76.6	77.1	77.6	78.1	78.6		
150	79.6	77.4	76.9	76.6	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4		
200	81.8	82.5	81.5	81.2	80.5	80.2	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4		
250	80.8	87.5	86.7	86.2	85.0	82.7	83.0	83.0	82.7	81.7	79.2	78.2	78.2	78.2	78.2		
315	90.8	90.8	90.2	90.0	87.7	85.3	84.2	82.3	81.2	80.0	77.7	75.7	74.7	74.7	74.7		
400	83.4	89.4	87.9	88.4	86.6	86.4	85.1	83.8	82.6	81.6	79.9	78.1	76.4	74.4	72.4		
500	86.6	88.8	87.3	88.1	85.3	85.0	83.0	81.8	80.3	79.3	75.8	72.8	71.8	71.8	71.8		
630	80.4	80.2	88.4	88.0	87.2	86.0	84.2	82.4	80.0	77.7	75.0	73.2	71.4	69.4	67.4		
800	89.5	89.5	90.7	92.3	91.3	88.9	87.5	85.8	83.8	82.3	77.8	75.0	73.0	71.0	69.0		
1000	89.9	89.7	89.9	91.2	89.2	87.5	85.2	83.3	81.2	77.7	73.7	71.9	69.9	67.9	65.9		
1250	91.8	91.3	91.2	91.6	89.6	85.6	86.0	84.2	81.0	79.8	74.2	71.2	69.2	67.2	65.2		
1500	87.9	87.9	88.6	90.0	88.7	87.2	85.1	82.9	81.4	77.4	73.6	71.1	69.1	67.1	65.1		
2000	84.7	80.7	85.7	86.6	85.3	83.3	81.4	81.3	77.7	75.3	72.2	69.2	67.2	65.2	63.2		
2500	87.4	85.6	86.9	87.8	87.8	86.2	87.6	85.5	82.2	79.7	76.1	72.4	69.4	67.4	65.4		
3150	90.9	90.7	90.9	101.1	103.3	102.8	101.6	100.3	96.2	95.3	90.9	86.5	82.1	78.1	74.1		
4000	91.9	90.5	92.3	94.4	96.1	95.9	94.5	93.9	88.9	87.5	83.1	79.4	75.4	71.4	67.4		
5000	87.6	87.8	88.6	89.6	91.3	90.5	90.0	89.1	84.4	81.2	77.9	74.4	70.4	66.4	62.4		
6300	99.0	98.0	99.2	101.2	105.8	99.9	95.7	95.8	91.1	87.6	82.1	78.4	74.4	70.4	66.4		
8000	93.3	93.5	95.4	95.9	95.5	95.6	94.4	92.4	86.7	83.3	80.7	76.4	72.4	68.4	64.4		
10000	94.0	90.9	98.0	101.0	101.4	108.2	100.0	97.1	90.4	87.4	84.7	82.5	78.5	74.5	70.5		
12500	91.4	92.4	93.6	95.5	97.5	97.5	95.6	94.6	88.5	84.0	81.6	78.0	74.0	70.0	66.0		
15000	89.1	89.6	91.3	94.5	95.5	92.8	94.1	92.3	87.8	81.5	78.8	76.0	72.0	68.0	64.0		
20000	85.1	88.1	90.3	93.7	95.2	94.6	93.1	91.8	85.7	79.3	76.4	73.3	69.3	65.3	61.3		
25000	87.0	87.3	89.7	92.8	94.1	93.2	91.5	89.9	83.9	78.5	72.8	69.9	65.9	61.9	57.9		
31500	86.8	86.3	87.6	90.6	92.8	91.9	89.3	87.2	81.8	75.9	69.2	67.0	62.0	58.0	54.0		
40000	84.1	84.6	85.1	88.2	89.4	88.6	87.4	85.9	80.8	73.7	65.7	65.9	61.9	57.9	53.9		
OVERALL MEASURED																	
OVERALL CALCULATED	109.6	109.2	106.4	106.5	109.1	106.4	107.3	105.5	100.7	98.5	95.8	92.1	88.4	84.7	81.0		
PNDB	119.2	116.0	119.3	121.1	122.2	121.4	120.3	118.8	114.9	113.4	109.6	109.2	105.4	101.6	97.8		

Run 12/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PHOC; DATE - MONTH 11 DAY 0 HR. 0.0
 (59. DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)											
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
SIDELINE 500 FT. (152.40 M)	50	39.9	47.1	53.1	56.3	59.3	55.5	55.5	56.4	55.3	54.2	54.0	54.0
NFA 3229 RPM (338. RAD/SEC)	63	44.3	51.2	55.4	57.3	59.1	59.6	60.7	59.6	57.0	54.6	52.6	52.6
NFM 3189 RPM (334. RAD/SEC)	80	48.6	55.8	60.0	61.5	61.1	62.6	63.4	63.6	62.5	60.9	58.5	57.0
NFD 3244 RPM (340. RAD/SEC)	100	48.0	56.0	61.4	62.5	64.3	64.3	63.7	61.2	59.6	56.7	54.4	54.4
AIRFLOW RATIO	125	45.6	54.8	60.6	61.4	61.2	62.0	61.6	60.6	53.8	55.6	52.6	52.6
WF/WH 12.60	150	46.2	55.4	61.1	62.5	63.3	62.9	62.0	60.1	58.0	55.1	52.0	52.0
VEHICLE UTWSTM 1000	200	46.7	57.1	64.0	66.2	65.9	66.0	65.4	62.9	60.3	56.9	54.4	54.4
CONFIG 1250	250	46.0	55.7	62.5	63.8	64.3	63.4	62.4	59.9	57.5	53.4	51.1	51.1
LOC SCHECTADY 1600	300	45.1	53.0	60.3	62.5	63.3	62.7	63.1	60.4	58.6	54.2	50.6	50.6
DATE 05-29-75	350	39.9	49.4	56.4	59.7	61.1	60.7	59.5	59.6	56.8	52.8	49.8	49.8
RUY 12/11	400	37.3	49.7	57.0	60.7	63.6	64.6	63.5	60.8	58.5	54.8	50.5	50.5
TAPE X00040	450	46.9	60.8	69.7	75.8	77.8	78.2	75.0	74.5	73.7	69.2	64.2	64.2
FAN TIP SPEED 4000	500	34.3	48.2	56.6	62.6	64.3	70.1	70.6	71.2	66.9	62.7	51.1	56.2
1001 FT/SEC	550	41.9	57.5	67.2	71.2	73.3	73.9	65.9	61.9	59.0	55.4	51.3	51.3
OVERALL CALCULATED	600	34.3	52.5	62.1	66.4	68.7	69.3	63.5	63.4	60.2	57.4	55.4	55.4
PNPD	650	34.0	53.0	64.8	70.3	72.2	74.1	72.4	66.4	63.7	60.8	57.9	57.9
	700	28.2	45.7	58.3	64.8	68.3	68.6	63.9	63.7	59.4	56.8	53.0	53.0
	750	18.9	41.6	55.4	62.5	66.1	66.6	65.3	61.8	58.6	56.8	53.0	53.0
	800	4.9	35.4	51.1	59.3	62.7	63.9	63.2	59.0	52.9	49.7	45.7	45.7
	850		26.9	45.0	54.2	58.2	59.6	61.5	54.9	47.3	43.7	40.8	40.8
	900		13.8	35.5	47.3	52.4	53.5	55.7	49.5	44.0	36.9	33.5	33.5
	950	58.0	63.2	75.8	80.1	82.0	82.6	82.1	78.3	76.7	72.9	69.3	69.3
	1000	62.3	77.3	87.1	92.0	94.1	95.2	94.2	89.4	85.5	83.3	80.1	80.1

ORIGINAL PAGE IS
OF POOR QUALITY

Run 12/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 01 DAY 0 HR, 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, 5AV7)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.1)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		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
90	32.9	40.3	45.1	48.3	49.3	49.2	52.0	51.7	50.8	50.4	49.5			
63	36.6	44.7	47.1	49.1	51.4	53.1	54.4	52.1	49.7	47.6	46.4			
SIDELINE 500. FT, (152.40 M)	80	39.6	47.6	51.2	52.3	52.6	53.6	54.9	55.4	54.8	52.4	50.4		
NFA 3249, RPM (340, RAD/SEC)	125	40.9	48.6	52.6	53.7	53.9	53.4	53.0	51.7	51.6	49.2	48.0		
NFM 3205, RPM (336, RAD/SEC)	200	41.3	48.2	53.9	55.1	57.3	57.3	55.9	54.7	53.8	51.7	49.4		
NFD 3249, RPM (340, RAD/SEC)	180	37.4	47.5	52.4	53.9	54.9	55.2	54.9	53.4	52.0	50.4	48.4		
200	37.7	46.2	52.9	54.8	57.1	57.2	56.8	54.1	52.5	52.6	51.5			
250	38.2	49.9	55.5	56.2	59.1	58.7	57.1	55.4	53.6	50.4	48.1			
315	42.0	51.2	55.5	56.8	57.5	56.6	55.9	54.6	52.3	48.6	46.1			
430	43.0	53.3	56.9	56.8	59.6	59.4	58.6	56.8	54.6	50.7	46.4			
AIRFLOW RATIO	530	37.8	49.0	53.3	57.8	60.6	61.0	59.1	57.8	54.8	51.6	48.0		
MF/LM 12.60	630	36.3	47.1	55.6	60.7	63.1	64.0	62.4	59.4	56.6	52.9	47.1		
500	36.1	47.7	54.7	59.2	61.6	61.6	59.1	58.8	55.5	52.5	49.0			
VEHICLE UTHSIN 1060	46.9	60.1	63.2	70.3	72.3	72.5	71.8	68.5	67.0	61.0	59.2			
CONFIG 1230	39.5	53.9	61.0	64.3	66.3	66.5	65.5	62.4	60.4	55.6	52.6			
LOC SCHENECTADY 1630	34.6	48.6	56.6	62.1	62.2	61.5	60.9	57.7	56.0	51.4	51.1			
DATE 05-29-75 2000	34.6	50.3	59.2	65.2	67.0	67.4	65.7	63.4	60.2	56.7	53.4			
RUN 12/12 2500	37.8	55.0	66.1	69.4	70.7	72.0	71.7	66.4	62.5	59.2	57.1			
TAPE XC0040 3150	32.5	50.5	61.3	67.3	69.0	69.4	65.2	64.9	61.2	58.5	55.7			
FAN TIP SPEED 4000	25.2	47.7	60.8	68.3	68.8	69.8	67.2	64.7	61.1	57.5	56.0			
1000. FT/SEC 5000	17.4	42.1	55.4	63.2	67.6	66.6	63.8	62.5	57.3	54.8	50.5			
6300	5.2	35.7	50.4	59.0	63.0	63.9	60.2	59.5	53.9	50.7	46.4			
8000		29.9	44.0	52.7	57.2	58.3	55.7	53.9	47.8	43.5	40.0			
10000		12.8	33.7	45.5	51.2	52.0	49.2	48.8	42.7	36.9	33.0			
OVERALL CALCULATED		52.6	64.7	72.9	76.9	76.6	79.0	77.9	74.8	72.0	68.1	65.7		
PNDB		59.4	75.5	85.5	89.8	91.6	92.3	91.3	87.6	84.0	80.7	78.1		

Run 12/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC DATE - MONTH 78 DAY 0 HR, 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.1)	10 (0.17)	20 (0.35)	30 (0.52)	40 (0.70)	50 (0.87)	60 (1.05)	70 (1.22)	80 (1.40)	90 (1.57)	100 (1.75)	110 (1.92)	120 (2.10)
50		39.4	45.6	51.9	54.5	55.0	54.2	55.3	55.4	54.8	54.9	53.5	53.5
SIDELINE 500 FT, (192.40 M)	63	43.3	51.4	54.6	56.6	55.6	58.1	57.7	59.1	56.5	53.5	53.1	53.7
NFA (382. RAD/SEC)	80	48.8	53.8	58.0	59.8	59.9	60.4	61.7	62.4	61.0	58.1	55.7	55.7
NEK (341.3 RPM)	100	50.6	57.8	62.1	62.7	62.6	62.4	62.0	61.0	60.1	57.7	56.5	56.5
NFA (382. RAD/SEC)	129	51.0	57.5	62.4	64.9	65.3	64.3	63.9	63.7	61.6	57.4	55.9	55.9
NEK (357.7 RPM)	160	49.1	54.8	59.4	60.7	60.9	61.0	60.5	60.1	58.5	54.9	51.6	51.6
NFA (340. RAD/SEC)	200	49.2	54.4	59.1	61.3	62.3	61.9	61.0	59.1	57.2	54.6	52.0	52.0
NEK (357.7 RPM)	290	49.9	56.4	61.6	64.2	65.2	65.0	63.4	61.1	58.8	55.9	52.6	52.6
NFA (340. RAD/SEC)	319	49.0	55.2	60.6	63.3	64.3	63.1	61.9	60.6	59.0	54.4	51.3	51.3
NEK (340. RAD/SEC)	400	49.5	55.8	61.1	62.5	63.5	63.7	63.1	60.2	58.4	54.9	52.1	52.1
AIRFLOW RATIO	500	42.8	53.3	58.3	61.0	62.6	62.2	60.6	59.3	57.5	52.6	51.8	51.8
NFA (340. RAD/SEC)	630	39.5	49.9	56.4	60.5	63.8	63.7	62.1	60.4	58.6	53.9	50.8	50.8
VEHICLE UTHSIM	800	44.4	57.2	64.1	70.3	74.7	75.6	74.1	71.8	70.3	65.8	61.8	61.8
CONFIG	1000	50.3	63.8	70.0	77.3	82.0	83.0	81.4	79.3	78.0	73.0	69.0	69.0
LCC SCHENECTADY	1250	36.6	50.1	57.5	62.8	65.1	67.3	66.4	64.1	61.4	57.1	53.1	53.1
DATE 05-29-75	1500	37.9	53.2	61.0	65.7	69.4	70.5	69.0	66.2	63.2	60.5	53.9	53.9
REV 12/13	2000	40.5	57.6	65.8	70.6	74.0	75.8	75.0	71.9	68.4	65.9	53.9	53.9
TAPE X00040	2500	35.3	52.2	61.9	67.4	69.9	69.5	68.7	65.2	61.5	58.8	55.2	55.2
FAN TIP SPEED	3150	30.2	48.5	59.3	65.3	68.0	67.6	66.4	63.6	59.8	56.2	52.7	52.7
1073 FT/SEC	4000	22.0	44.0	55.9	63.0	66.5	66.1	63.0	62.2	57.2	54.0	50.5	50.5
OVERALL CALCULATED	5000	17.2	42.0	55.0	61.8	64.5	64.6	61.0	60.2	54.6	50.9	48.0	48.0
PNOB	6300	4.9	35.2	50.3	57.3	60.8	61.5	55.9	56.4	50.5	45.5	43.2	43.2
	8000		26.3	42.9	52.7	56.8	56.7	53.8	53.2	46.6	40.8	37.3	37.3
	10000		14.1	33.7	44.9	50.3	51.7	47.5	48.6	41.4	34.8	33.0	33.0
			58.3	75.1	80.5	84.4	85.2	83.9	81.6	79.9	75.5	71.5	71.5
			62.7	77.4	85.6	80.7	84.9	94.7	93.4	90.9	88.4	84.4	84.4

Run 12/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 79 DAY 0 HR 0.0

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (50% DEGA F, 70% PERCENT REL, HUM, DAY)														PWL			
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	0°	30°	60°	90°	120°
RADIAL 17, FT.	50	66.2	65.6	65.2	67.3	69.3	69.6	66.8	65.3	67.1	67.3	68.6	69.3						101.6
	63	73.5	73.3	74.8	77.5	78.3	78.0	74.3	73.0	75.3	76.5	74.9	75.3						105.6
	80	65.9	65.4	65.6	64.9	67.9	66.9	71.4	72.6	71.6	74.6	73.1	76.6						105.1
VEHICLE (5, M)	100	65.6	63.4	64.1	61.4	61.4	60.9	62.7	64.6	64.4	64.9	63.7	62.8						97.1
SCAFIS	125	71.4	70.4	70.9	69.2	67.4	66.9	63.7	63.7	68.7	68.4	67.4	67.4						102.1
LOC SC-ENECTADY	250	70.5	71.5	72.7	70.7	70.2	68.5	69.5	73.5	70.2	65.2	65.2	66.2						103.3
DATE 05-29-75	250	75.3	74.0	73.5	72.7	71.5	70.0	69.7	73.3	70.5	70.0	69.2	68.0						104.2
REV 12/14	315	76.0	76.0	75.2	74.2	72.7	71.3	69.5	69.5	67.5	67.0	65.5	65.0						104.0
TAPS X00040	400	78.1	78.4	77.4	76.4	76.1	76.4	75.4	73.9	73.1	71.9	68.6	68.1						107.9
BAR 39.9 KG	500	77.3	77.1	77.0	76.8	75.3	73.8	73.3	72.1	71.3	69.3	67.6	64.6						105.5
(0.958, N/M2)	630	80.4	80.7	82.2	81.5	80.2	79.5	79.2	77.4	74.2	72.5	71.2	67.9						111.3
TAPS 73 DEG F	800	81.0	83.3	85.7	85.3	83.8	82.3	81.2	75.3	75.8	73.5	70.5	68.8						114.9
(296, DEG K)	1000	87.7	88.9	84.9	84.0	83.2	81.5	80.2	77.3	75.4	73.2	72.0	68.7						115.6
TRET 60 DEG F	1250	86.8	89.5	88.7	86.8	85.3	84.6	82.5	82.7	78.5	76.3	76.0	68.5						115.3
(289, DEG K)	1400	82.9	83.6	85.3	85.5	84.4	83.4	82.8	81.4	78.6	76.4	71.9	70.4						115.0
HACT 0 GM/M3	2000	82.2	83.7	86.2	86.6	84.3	83.8	82.9	80.8	78.2	76.3	71.7	71.0						115.4
(, KG/M3)	2500	83.4	86.1	88.9	88.8	88.5	87.5	85.6	84.3	81.4	79.0	75.6	72.2						115.2
VEA 12090 RPM	3150	91.4	90.9	93.1	92.4	92.8	94.3	93.8	91.3	87.7	85.0	81.2	79.0						124.4
(1287, RAD/SEC)	4000	97.6	96.3	99.8	99.2	99.3	101.3	101.3	97.4	94.4	92.0	85.6	85.9						131.3
VEA 12027 RPM	5000	85.3	87.3	87.8	88.9	88.8	87.8	87.3	84.8	82.4	78.5	75.9	72.9						119.0
(1270, RAD/SEC)	6300	86.8	87.8	89.7	93.4	92.9	91.2	90.4	89.0	84.8	81.9	78.9	74.9						121.9
VEA 11507 RPM	8000	92.5	93.8	96.2	96.6	97.3	98.8	95.7	95.2	91.7	86.5	85.4	82.4						127.9
(1206, RAD/SEC)	10000	90.9	92.4	92.5	93.5	94.4	93.7	91.5	89.3	85.9	82.4	79.7	76.3						124.3
NO. OF BLADES 10	12500	90.9	92.9	92.0	93.5	94.5	93.8	91.8	89.3	86.3	81.7	79.1	75.9						124.5
FAN TIP SPEED 14000	15000	86.6	89.1	90.3	91.5	92.6	92.4	90.6	86.3	85.2	81.2	76.8	74.0						123.0
1373, FT/SEC	20000	87.1	87.4	89.0	91.0	91.4	90.6	89.1	84.0	83.2	78.9	73.6	71.5						122.0
	25000	86.0	85.0	87.2	89.8	89.5	88.7	86.5	83.1	80.7	73.8	69.3	68.1						120.8
	31500	85.6	85.1	85.9	87.3	88.1	87.6	84.9	80.2	78.8	72.4	66.9	65.3						120.1
	40000	83.6	83.3	84.4	85.2	85.5	84.1	82.9	76.9	77.8	75.5	63.7	64.4						117.0
OVERALL MEASURED																			
OVERALL CALCULATED		102.4	102.6	104.3	104.5	104.9	105.2	104.5	101.7	98.7	95.6	91.9	89.6						136.8
PNDB		116.2	115.9	118.1	117.7	117.8	118.6	116.4	113.4	112.5	110.1	105.8	104.2						

Run 12/Reading 14

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 79 DAY 8 HR, 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
FREQ, (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	32.2	35.1	43.4	46.5	46.8	47.2	50.3	50.7	50.8	50.7	50.0						
63	33.3	40.4	44.9	47.1	47.1	49.4	54.2	51.3	46.5	46.3	46.9						
80	39.1	42.6	46.5	46.0	48.4	49.4	55.7	51.4	51.0	50.1	45.4						
SIDELINE 500 FT, (152.40 M)	100	36.4	43.8	47.6	49.0	49.4	46.9	47.7	48.2	47.9	45.2	45.2					
NFA 3482 RPM (362. RAD/SEC)	125	36.0	45.5	49.4	52.1	54.3	54.6	53.9	53.7	52.6	49.2	48.2					
160	35.9	44.5	49.4	50.9	51.4	52.2	51.9	51.6	49.8	47.9	44.4						
NFK 3416 RPM (358. RAD/SEC)	200	38.7	49.2	53.6	55.5	58.8	57.8	57.0	54.3	52.7	51.3	47.5					
250	40.4	52.1	57.0	58.7	59.4	59.7	57.6	55.8	53.6	50.4	45.1						
NFD 3244 RPM (340. RAD/SEC)	315	43.2	50.7	55.3	57.8	58.3	58.4	56.4	56.1	53.0	50.4	44.8					
400	43.8	53.8	57.3	59.5	61.0	60.4	57.6	57.8	55.9	51.4	47.4						
AIRFLOW RATIO	500	37.8	49.8	55.8	58.3	59.0	60.5	59.1	57.8	55.8	51.1	49.0					
WF/W 12.66	630	36.8	49.9	56.4	57.7	59.6	60.2	58.1	57.1	55.4	50.5	49.3					
800	42.5	56.0	61.6	65.8	69.7	70.9	68.9	66.3	63.8	59.2	57.0						
VEHICLE UT45IM	1000	47.8	61.9	67.7	71.5	76.0	78.0	75.1	72.8	70.5	65.0	63.7					
CONF 13	1250	35.9	48.8	55.8	63.8	62.3	63.6	62.2	60.4	56.7	53.9	50.3					
LDC SCHEMECTADY	1600	34.1	49.4	57.5	62.2	65.2	66.3	65.0	62.4	59.7	56.5	51.9					
DATE 05-29-75	2000	37.3	54.6	62.8	67.9	73.3	71.0	71.7	68.9	65.9	62.6	58.9					
RUN 12/14	2500	33.8	47.7	58.9	64.4	66.7	66.5	66.0	62.7	59.5	56.5	52.5					
TAPE XG0040	3150	30.2	47.2	57.5	63.6	66.0	66.1	64.9	62.6	58.3	55.4	51.4					
FAN TIP SPEED	4000	20.2	42.3	53.7	60.2	63.5	63.9	61.0	60.7	56.0	52.3	48.7					
1073. FT/SEC	5000	15.2	39.3	52.2	58.5	61.2	62.1	58.5	58.5	52.4	46.9	46.0					
6300	3.4	33.0	47.6	54.3	57.5	58.0	56.1	54.6	48.0	43.2	41.2						
8000		24.0	40.4	49.2	53.9	53.5	51.0	50.7	44.6	38.8	38.1						
10000			11.8	31.5	41.7	46.0	48.9	44.8	46.9	39.9	32.8	32.3					
OVERALL CALCULATED		52.6	65.4	71.7	76.0	79.2	80.6	78.6	76.4	73.7	69.5	66.8					
PNDB		58.9	74.1	82.3	87.1	89.7	90.4	89.8	87.5	84.3	80.7	76.3					

Run 12/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (dB)															PHL
		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.28)	(2.45)	
RADIAL 17 FT.	50	88.1	86.3	85.3	85.6	86.3	87.0	87.8	88.3	88.8	89.1	89.6	89.8	90.1	90.4	90.6	101.4
(3 M)	63	73.0	73.3	75.3	77.5	78.5	79.0	79.3	79.6	79.9	80.1	80.3	80.4	80.5	80.6	80.7	105.8
VEHICLE UYMSIM	100	65.6	62.9	62.7	62.4	59.7	60.2	62.4	65.4	68.7	69.4	69.7	69.2	68.2	66.2	64.2	105.0
COARFIS	125	71.4	70.4	70.7	69.7	67.2	66.9	68.7	69.4	69.7	69.4	69.7	69.2	68.2	66.2	64.2	106.4
LCC SCHECTADY	160	72.4	69.6	69.4	69.1	68.7	68.1	67.6	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	102.4
DATE 05-29-75	200	70.3	59.0	70.0	73.7	74.0	69.5	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	105.3
TIME 12/13	250	73.5	72.5	72.5	72.0	70.5	68.5	66.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	103.5
MODE X60040	315	73.5	73.0	73.0	72.2	70.7	69.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	102.3
SAR 39.9 LG	400	77.1	77.1	75.6	74.7	73.6	74.7	74.1	73.4	72.4	71.2	69.6	68.6	68.6	68.6	68.6	105.7
(10365) N/M2)	500	76.1	75.1	73.5	75.1	74.1	72.6	71.3	71.3	70.6	69.6	68.6	67.1	65.1	63.1	61.1	105.1
YAMB 75 DEG F	600	84.4	84.2	83.4	81.3	80.8	78.6	77.4	75.4	74.0	73.0	71.5	69.2	67.2	65.2	63.2	105.3
(296) DEG K)	800	83.0	81.3	82.7	82.8	83.3	82.2	81.2	79.3	74.5	71.3	70.3	68.0	66.0	64.0	62.0	103.3
WET 59 DEG F	1000	85.4	83.4	84.4	83.3	83.5	82.3	80.7	79.3	77.9	75.5	71.7	68.7	66.7	64.7	62.7	103.3
(258) DEG K)	1250	83.3	88.5	87.7	85.6	84.6	81.0	81.0	81.0	77.5	74.8	71.0	67.8	65.8	63.8	61.8	103.3
RACY 0. GM/43	1600	85.4	85.7	85.2	85.9	85.1	85.3	84.1	82.3	79.7	77.5	74.0	71.0	69.0	67.0	65.0	103.3
(1) GM/43)	2000	85.4	85.9	86.6	86.8	86.3	87.2	85.8	83.8	80.9	76.7	74.9	71.9	69.9	67.9	65.9	103.3
VFA (2380) RPM	2500	91.7	91.2	91.4	90.6	90.8	91.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	107.4
(1347) RAD/SEC)	3150	104.0	103.8	103.6	101.4	102.1	104.3	103.8	100.1	95.4	92.2	87.6	87.2	85.2	83.2	81.2	122.2
WFX (2599) RPM	4000	87.2	88.3	88.1	88.4	88.6	86.5	87.5	84.8	81.4	78.2	74.9	72.4	70.4	68.4	66.4	105.1
(1333) RAD/SEC)	5000	86.3	89.0	89.4	90.2	90.4	90.7	91.7	90.3	86.6	82.9	78.6	75.7	73.7	71.7	69.7	105.1
WFO (1117) RPM	6000	98.0	96.3	97.7	95.1	97.3	95.8	101.2	101.2	95.9	92.5	87.4	86.4	84.4	82.4	80.4	122.3
(1205) RAD/SEC)	8000	91.4	91.9	92.0	92.8	93.1	93.4	92.8	92.5	89.1	85.9	82.2	78.0	76.0	74.0	72.0	105.0
NO. OF BLADES 18	12500	94.1	94.9	94.3	95.5	96.2	95.3	95.1	95.1	92.3	87.5	84.6	79.9	77.9	75.9	73.9	124.9
MAX TIP SPEED 18000	20000	91.6	90.1	91.0	91.5	92.5	91.1	91.5	89.5	85.7	82.2	78.3	75.3	73.3	71.3	69.3	127.7
(122) FT/SEC)	25000	89.4	88.9	89.5	91.5	91.4	90.9	90.1	89.3	84.2	80.3	77.1	73.0	71.0	69.0	67.0	124.0
	31500	87.5	87.3	87.9	90.9	90.1	89.2	88.3	85.6	81.9	77.5	73.3	69.1	67.1	65.1	63.1	122.9
	40000	87.6	87.3	85.6	87.8	89.1	88.1	86.3	82.2	81.6	76.1	70.7	66.5	64.5	62.5	60.5	122.0
		85.3	85.3	85.4	86.2	86.9	89.9	84.4	78.9	80.5	73.0	66.7	64.9	62.9	60.9	58.9	121.2
OVERALL MEASURED																	120.5
OVERALL CALCULATED		106.5	106.2	106.2	105.8	105.9	107.1	107.1	105.2	101.2	97.5	94.1	91.6	89.6	87.6	85.6	108.1
PNDB		120.5	120.3	120.3	118.9	119.2	120.7	120.3	117.5	113.4	110.4	106.6	103.2	101.2	99.2	97.2	

Run 12/Reading 15

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 87 DAY 8 HR, 0.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, MM, DAY)													
	FREQ, (0.1)	30	20	30	40	50	60	70	80	90	100	110	120	130
	(0.1)	(0.33)	(0.33)	(0.70)	(0.5)	(1.05)	(1.22)	(1.40)	(1.55)	(1.75)	(1.92)	(2.1)	(2.3)	(2.5)
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°
50	32.2	39.6	43.6	46.0	47.0	47.7	51.5	51.2	51.3	51.7	51.0			
63	32.6	39.7	47.9	50.8	48.1	53.9	54.7	51.6	47.5	48.6	48.4			
SIDELINE 500 FT, (152.40 M)	80	33.6	41.6	45.7	47.0	46.9	49.1	50.2	50.6	50.8	49.6	48.2		
NFA 3625 RPM (383 RAD/SEC)	129	35.8	43.7	47.6	49.6	52.5	53.3	53.4	52.9	51.8	50.2	48.7		
NEK 3577 RPM (374 RAD/SEC)	200	33.9	43.0	47.6	49.7	50.2	50.2	51.1	49.9	49.0	47.4	44.9		
NFC 3248 RPM (346 RAD/SEC)	430	42.2	50.4	53.6	55.3	56.1	55.2	56.0	54.1	53.2	51.6	48.8		
AIRFLOW RATIO MF/MM 12.60	630	36.4	49.2	54.5	58.2	59.9	56.7	57.6	54.4	51.3	50.2	47.4		
VEHICLE UT+SIN 1000	500	41.7	50.2	54.8	58.1	59.0	58.9	53.4	57.6	55.3	51.4	47.6		
CONFIG 1250	500	43.5	52.8	56.4	58.3	59.5	58.9	59.8	56.9	54.4	56.4	46.5		
LOC SCHEMECTADY 1600	500	40.9	51.5	56.8	59.5	60.8	60.5	59.6	58.3	55.5	52.8	48.0		
DATE 85-29-75	2000	38.8	48.9	55.6	58.5	61.1	61.5	59.6	58.6	56.6	52.9	49.3		
RUN 12/15	2500	42.9	54.2	59.8	63.8	63.9	68.4	65.9	63.8	60.8	57.3	53.5		
TAPE X00040	3150	34.0	65.6	70.0	74.6	79.3	83.5	77.9	73.8	70.8	66.0	65.0		
FAN TIP SPEED 4000	5000	36.9	49.1	56.3	60.5	63.1	63.6	62.2	59.4	56.4	52.9	49.8		
1123 FT/SEC	6000	35.4	49.2	57.2	61.7	64.7	67.5	67.2	64.2	60.7	58.2	52.6		
8000	30.2	55.1	64.3	68.4	72.3	76.5	77.7	72.1	69.9	66.6	62.9			
10000	33.3	45.2	55.1	63.2	66.4	67.7	59.0	65.0	63.0	59.3	54.2			
OVERALL CALCULATED	32.2	49.5	59.5	65.3	68.5	69.4	70.6	68.6	64.0	60.9	55.4			
PND9	21.2	43.3	53.7	60.2	64.2	64.6	63.2	64.2	59.0	55.8	50.5			
	16.7	40.3	52.7	58.5	61.9	63.1	62.7	61.5	55.9	52.4	47.5			
	4.7	33.7	48.8	54.8	58.0	59.7	55.6	57.9	51.7	47.2	42.2			
		24.8	40.9	50.2	54.0	55.2	53.0	53.4	48.3	42.6	37.3			
		12.8	32.5	42.9	47.8	50.0	46.9	49.6	42.4	35.8	32.8			
		67.4	72.8	77.2	81.3	83.0	82.1	78.4	75.2	71.5	68.5			
		62.6	75.7	83.0	87.5	90.9	93.6	93.9	90.6	87.1	83.7	79.8		

Run 12/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEC, F. 70 PERCENT REL. HUM, DAY) PROC. DATE - MONTH 15 DAY 6 HR. 0:0

SPL INPUT AT STN	FREQ	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	PWL
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	
	50	71.1	67.1	66.1	69.3	71.3	71.6	67.3	67.1	66.6	66.8	67.6	66.1
	63	74.0	74.3	75.5	78.3	77.0	78.3	74.8	74.0	75.0	77.0	75.5	75.3
SADIAL 17. FT.	80	87.9	86.1	85.6	86.1	85.1	86.4	70.6	72.6	71.6	74.1	72.9	70.9
VEHICLE	150	89.9	85.9	85.4	83.9	81.9	82.7	84.4	85.5	87.4	87.6	87.1	86.4
VEHICLE JTHSEM	125	76.7	75.9	75.2	73.9	73.2	71.7	71.4	71.7	72.2	70.9	71.2	71.4
VEHICLE	180	76.6	73.6	72.9	74.4	74.6	73.1	71.4	72.9	72.6	72.1	72.1	71.9
VEHICLE	250	80.7	82.7	81.7	81.5	81.2	79.5	76.5	77.2	77.2	74.7	71.0	74.0
VEHICLE	250	84.0	83.5	83.0	82.2	80.7	79.5	78.7	78.7	78.5	77.5	75.2	73.7
VEHICLE	315	85.8	87.0	86.2	85.7	84.0	81.5	80.2	78.5	77.2	76.5	74.2	73.2
VEHICLE	400	86.7	87.4	86.6	85.7	85.6	83.4	83.6	82.6	80.9	79.8	78.1	74.9
VEHICLE	500	85.4	85.6	85.5	85.1	83.3	81.5	81.3	79.2	77.6	75.8	73.1	70.8
VEHICLE	630	90.3	89.7	88.9	88.0	86.5	84.3	83.2	81.2	78.7	76.7	74.2	73.2
VEHICLE	800	89.2	89.3	89.5	91.3	91.5	89.3	87.5	85.3	82.0	79.5	76.0	74.3
VEHICLE	1000	90.5	89.4	89.7	90.2	90.0	88.3	87.2	84.9	83.4	80.5	76.0	74.9
VEHICLE	1250	90.1	89.3	89.0	91.6	91.3	89.1	87.7	85.0	82.8	80.5	76.6	75.5
VEHICLE	1500	89.2	87.9	88.3	89.2	89.4	88.8	86.6	84.1	81.9	78.6	74.4	74.4
VEHICLE	2000	85.5	85.5	86.2	87.4	87.6	85.5	84.4	84.0	82.3	77.5	74.5	73.9
VEHICLE	2500	88.5	85.2	87.1	88.1	89.5	91.5	90.6	88.6	85.4	83.5	78.9	76.2
VEHICLE	3150	91.0	91.7	91.6	92.1	91.8	92.5	92.3	90.6	87.4	83.5	81.2	79.0
VEHICLE	4000	101.0	103.5	102.1	102.9	102.8	102.3	103.0	101.1	96.7	92.2	89.6	80.9
VEHICLE	5000	98.0	97.0	98.1	98.9	98.8	92.5	92.0	89.6	84.6	81.5	79.1	76.4
VEHICLE	6300	91.0	90.7	91.2	92.4	92.6	92.4	92.2	90.0	86.1	81.9	79.6	75.9
VEHICLE	8000	98.6	98.4	99.0	99.5	101.4	101.6	99.6	96.8	95.0	90.4	87.5	84.2
VEHICLE	10000	93.2	92.6	93.1	94.9	94.7	93.8	93.1	93.4	89.2	85.2	82.3	78.9
VEHICLE	12500	95.5	95.3	95.0	96.5	96.9	96.0	95.1	94.1	91.0	87.2	83.8	79.9
VEHICLE	15000	94.1	91.1	91.5	92.8	93.8	93.0	92.1	90.8	87.2	81.3	78.5	75.5
VEHICLE	20000	94.4	90.2	90.9	93.2	93.1	92.0	90.8	88.6	85.7	79.3	75.1	73.2
VEHICLE	25000	94.2	89.6	89.2	91.8	91.8	90.7	89.0	87.1	83.2	76.0	72.0	69.9
VEHICLE	31500	92.7	87.1	88.1	89.3	89.3	89.1	85.8	84.9	81.8	74.9	69.2	66.0
VEHICLE	40000	92.0	84.4	86.9	88.0	85.4	87.1	85.4	83.6	80.8	72.5	65.5	64.7
OVERALL MEASURED													
OVERALL CALCULATED		106.8	106.6	107.5	107.7	107.6	107.0	105.4	101.7	97.8	94.8	93.8	138.7
PND		119.9	121.3	120.5	121.2	121.3	121.0	121.0	119.3	115.5	111.8	109.0	106.8

Run 12/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 15 MAY 0 HR. 0.9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 79 PERCENT REL. HUM, DAY)											
	FREQ. (9)	10	20	30	40	50	60	70	80	90	100	110
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
	(0.35)	(0.71)	(1.06)	(1.41)	(1.76)	(2.11)	(2.46)	(2.81)	(3.16)	(3.51)	(3.86)	(4.21)
20	36.2	43.1	48.9	51.8	52.3	51.5	53.3	53.9	53.8	53.4	52.8	
63	44.6	51.4	55.6	58.1	58.1	56.4	57.9	58.3	58.3	58.3	58.1	54.6
SIDELINE 500 FT (152.4 M)	44.5	52.1	56.0	57.3	57.9	58.4	59.2	59.2	58.2	58.3	58.1	54.2
199	47.4	54.5	59.1	61.2	59.6	59.6	59.7	58.0	57.4	55.3	53.5	
SFA 3627 RPM (380 RAD/SEC)	47.9	54.7	58.3	61.6	63.3	62.5	62.7	61.8	60.3	56.7	54.9	
125	44.4	53.0	57.6	59.9	59.2	59.2	58.9	57.9	56.3	53.4	50.4	
RFA 3572 RPM (375 RAD/SEC)	47.7	55.9	60.1	61.8	61.5	61.9	60.3	58.8	57.0	54.3	52.6	
250	46.4	57.9	63.3	65.5	66.4	66.3	64.6	61.9	59.1	55.9	53.6	
RFD 3244 RPM (340 RAD/SEC)	45.7	55.5	61.3	64.6	65.5	65.4	64.1	63.1	60.3	55.6	54.1	
400	46.5	56.1	62.4	67.5	69.5	69.7	68.9	67.2	65.1	60.2	57.4	
AIRFLCH RATIO (WF/PM 12.8)	530	42.1	52.8	59.5	64.3	65.6	66.5	65.2	63.3	61.3	57.5	53.0
630	39.6	49.9	57.1	62.0	65.3	65.7	64.8	62.9	61.4	56.4	53.8	
850	43.4	54.5	61.3	64.2	67.9	69.4	68.7	66.1	62.3	59.5	57.0	
VEHICLE UTRM-M 1030	53.7	64.1	71.5	75.3	77.3	79.7	78.2	75.0	71.5	63.0	65.7	
1250	38.5	51.1	58.8	62.8	67.1	68.3	67.2	62.6	59.7	57.1	53.8	
LCC SCHENECTADY 1690	37.1	50.9	59.3	63.9	66.4	68.3	67.0	63.7	59.7	57.2	52.9	
DATE 05-29-75 2000	42.4	57.5	65.6	71.0	75.1	74.9	75.3	72.2	67.8	64.7	60.7	
RLA 12/16 2500	34.3	50.3	60.2	64.8	66.9	68.1	69.5	66.1	62.3	59.1	55.1	
TAPE X00040 3150	32.6	50.2	60.5	65.6	65.3	69.4	69.6	67.3	63.8	59.9	55.4	
PAN TIP SPEED 4000	22.3	43.8	54.9	61.5	64.7	65.4	65.0	62.7	57.2	54.0	50.2	
1124 FT/SEC 5000	18.0	41.7	54.4	61.2	62.7	63.2	63.1	60.9	54.3	51.3	47.7	
6300	6.0	35.0	49.8	56.6	59.5	60.5	60.2	57.1	50.2	46.0	42.9	
8000		26.3	42.4	51.4	55.0	55.7	55.7	53.7	47.1	41.1	36.8	
10000		24.3	34.2	44.4	49.3	51.0	51.4	49.9	41.9	34.5	32.5	
OVERALL CALCULATED	58.4	68.5	75.4	79.4	81.8	83.8	82.5	79.4	75.8	72.6	71.3	
PNDR	64.3	77.1	85.4	90.4	93.5	93.9	93.9	91.2	87.0	83.7	80.3	

Run 12/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROG: DATE - MON4 23 DAY 8 NR. 0:9

MODEL SOUND PRESSURE LEVELS (90. DEC. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
RADIAL 17, FT.	50	73.6	63.1	58.8	69.8	71.6	72.1	71.6	71.1	65.1	69.3	65.6	67.6					103.8
	63	74.5	74.0	75.8	78.9	79.0	78.3	74.9	74.5	75.9	77.3	75.8	76.0					110.3
	80	69.6	67.1	67.6	67.1	65.6	67.1	71.1	74.4	73.1	75.1	73.8	71.6					106.0
VEHICLE (9, 4)	100	74.4	72.9	72.4	73.4	67.6	67.9	70.4	73.1	73.4	74.4	73.6	73.1					106.2
SCAFIS	125	83.9	83.7	81.9	81.2	80.4	79.2	77.4	77.9	77.7	76.9	76.2	76.2					112.3
LCC SCHEDULED	180	81.6	80.1	79.6	80.9	81.1	79.6	77.4	77.9	77.1	75.1	74.4	74.4					111.7
DATE 05-29-75	200	83.7	85.7	85.0	84.0	83.5	83.2	82.0	83.0	81.5	78.7	76.2	75.3					115.4
FLN 12/17	250	90.7	90.0	89.2	88.9	87.5	85.2	85.2	85.0	85.0	84.5	81.7	79.2					119.2
TAP 12/17	315	93.8	94.7	93.7	93.0	91.8	88.8	87.2	85.7	84.9	83.2	81.7	80.7					121.8
SPR 29.9	400	91.2	91.6	91.1	91.4	89.9	89.2	87.6	86.1	83.6	81.9	79.4	77.9					120.7
(107.4, 1/2)	500	93.6	90.3	91.0	91.6	89.6	87.6	86.5	85.1	83.3	81.3	78.2	76.1					120.1
TANK 75, DEG F	630	91.8	92.0	91.9	92.2	91.7	89.3	87.2	85.7	82.2	81.2	79.5	75.7					120.3
TANK (297, DEG F)	800	93.1	93.0	93.5	94.0	93.8	92.1	90.2	88.0	85.0	82.8	79.5	77.3					123.2
TANK (297, DEG F)	1000	91.0	91.2	92.4	93.0	91.5	89.3	86.4	84.7	81.9	79.7	76.0	73.2					121.9
TANK (297, DEG F)	1250	92.6	93.0	93.6	93.1	91.8	89.3	87.5	85.5	83.5	81.5	77.0	73.5					121.7
TANK (297, DEG F)	1600	93.7	93.4	89.6	90.2	87.4	87.2	84.9	82.8	80.2	77.9	73.6	71.6					118.9
BACT 3. (4)	2000	87.1	87.6	85.2	87.9	87.3	85.3	83.6	82.4	78.7	76.8	73.2	70.5					118.9
(4)	2500	88.7	86.9	87.6	88.1	88.5	88.5	85.8	84.3	80.4	77.7	74.1	70.9					116.3
SFA 11714, RPM	3150	103.5	98.2	99.9	102.1	103.5	105.0	102.0	100.4	97.2	93.9	93.2	86.7					116.3
(1220, RAD/SEC)	4000	98.0	95.7	97.3	99.9	101.3	102.3	100.5	97.5	94.2	90.5	89.9	83.9					114.2
SFA 11537, RPM	5000	89.7	89.3	90.3	91.9	92.1	92.0	91.5	89.3	84.8	81.7	75.9	75.4					121.9
(1020, RAD/SEC)	6300	88.7	88.2	100.2	100.9	99.8	98.9	98.2	95.5	91.1	86.9	85.1	83.4					122.8
SFD 11517, RPM	8000	96.4	95.9	98.0	99.5	98.9	97.1	96.8	94.3	89.5	84.4	84.0	82.2					116.3
(1000, RAD/SEC)	10000	95.2	97.3	98.6	101.9	101.5	101.0	99.4	95.9	91.7	87.5	84.5	83.4					129.3
NO. OF BLADES 88	12510	93.5	92.6	94.5	97.8	97.2	97.8	95.3	93.1	87.6	83.2	81.1	78.6					130.4
SPN 11P SPEED	15000	93.4	91.1	93.5	95.5	95.8	97.1	94.8	93.5	87.6	82.0	79.5	77.0					127.7
1023, F/SEC	20000	93.4	89.4	92.9	95.7	96.1	95.5	93.5	93.9	85.7	79.8	77.3	75.0					127.1
	25000	92.9	88.8	92.9	96.0	95.1	94.4	93.0	93.1	84.2	78.8	73.9	71.6					127.1
	31500	91.7	87.4	91.6	94.1	93.8	93.1	91.6	92.6	82.1	74.8	70.9	67.5					125.6
OVERALL MEASURED	40000	93.5	89.1	91.1	92.7	91.4	91.1	89.4	92.3	81.8	72.2	67.0	64.9					126.6
OVERALL CALCULATED		107.9	137.0	108.4	110.1	110.2	110.4	108.4	106.4	102.1	95.8	97.2	93.4					146.8
PWB		121.1	119.9	121.0	122.6	123.3	123.7	121.7	119.4	116.8	113.0	111.8	107.1					

Run 12/Reading 17

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROP. DATE - MONTH 23 DAY 8 HR: 8:8
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ, Hz	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEC. F. 70 PERCENT REL. HUM. DAY)															
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°
SIDELINE 500 FT	33	42.7	47.6	51.0	55.1	59.3	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3
(152.43 M)	83	47.6	51.0	55.1	59.3	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3
RFA 3299, RPM	130	51.0	55.1	59.3	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3
(345, RAD/SEC)	125	55.1	59.3	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3
SFK 3250, RPM	160	59.3	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3
(340, RAD/SEC)	230	63.3	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3
NFD 3244, RPM	315	67.3	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3
(340, RAD/SEC)	400	71.3	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3
AIRFLOW RATIO	500	75.3	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3
W/P 12.60	630	79.3	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3
VEHICLE UTMSM	800	83.3	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3
GC/FIG	1000	87.3	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3
LCC SCHEVECTADY	1250	91.3	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3
DATE 05-27-75	1500	95.3	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3
BLN 12/17	2000	99.3	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3
YARE X00040	2500	103.3	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3
PAN TIP SPEED	3000	107.3	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3
3223, FT/SEC	3500	111.3	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3
	4000	115.3	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3
	4500	119.3	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3
	5000	123.3	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3
	5500	127.3	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3
	6000	131.3	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3
	6500	135.3	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3
	7000	139.3	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3
	7500	143.3	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3
	8000	147.3	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3
	8500	151.3	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3
	9000	155.3	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3	215.3
	9500	159.3	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3	215.3	219.3
	10000	163.3	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3	215.3	219.3	223.3
OVERALL CALCULATED	10500	167.3	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3	215.3	219.3	223.3	227.3
PNR	11000	171.3	175.3	179.3	183.3	187.3	191.3	195.3	199.3	203.3	207.3	211.3	215.3	219.3	223.3	227.3	231.3

Run 12/Reading 18

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (SP, DEG. F. 70 PERCENT REL. HUM, DAY)

PROC. DATE - MONTH 32 DAY 0 PM. 0:0

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STQ	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	30.	60.	90.	
	30	72.1	85.3	55.6	72.1	70.1	70.8	69.1	69.1	71.8	69.5	66.8	56.8					103.1
	63	74.8	75.5	75.0	78.3	77.0	79.0	74.8	74.8	75.6	77.9	75.5	75.5					113.2
FACE 17. FT.	83	71.9	65.5	65.1	69.4	68.6	67.1	71.1	72.9	71.4	73.9	72.1	70.1					104.6
VEHICLE (S. 4)	100	73.1	64.4	64.1	63.7	61.9	62.4	64.6	66.1	65.9	66.4	67.4	64.1					85.7
VEHICLE UTHSIN	125	75.2	72.7	72.4	70.4	69.7	69.7	69.7	69.7	70.4	69.4	68.2	67.9					103.3
CONFIG	150	75.4	73.9	70.1	71.6	71.9	69.9	68.9	70.4	70.9	70.1	69.4	69.4					104.1
LOC SCHEMECTADY	200	77.0	75.2	74.5	72.5	72.7	72.5	72.7	75.5	74.0	71.5	67.0	66.0					104.2
DATE 15-29-75	250	77.2	77.7	76.0	77.2	75.0	74.5	74.5	74.7	76.0	73.5	71.5	72.2					105.5
PLAN 12/18	315	81.6	81.0	80.7	80.3	78.7	78.5	74.7	73.0	71.5	71.0	69.0	69.5					109.1
WAVE X30000	400	82.7	81.6	81.6	81.2	81.1	79.7	77.9	76.6	74.6	73.1	70.9	69.9					111.1
BAR 20.9 LG	500	82.5	79.1	82.0	81.1	79.1	77.6	76.8	75.1	73.3	71.8	69.3	67.6					109.7
YAW 17.2	630	82.5	80.0	81.7	81.7	80.7	80.8	79.4	78.0	75.0	73.0	71.7	70.2					114.9
YAW 7.1 DEG F	800	83.6	81.8	83.5	84.8	84.8	82.8	81.5	78.5	75.8	74.0	71.5	69.6					113.8
(27.6 DEG K)	1000	87.5	85.4	85.2	84.7	83.2	81.8	81.7	77.4	75.2	73.7	75.2	67.4					113.9
YAW 6.1 DEG F	1250	88.6	86.8	85.2	85.1	84.1	83.1	81.5	79.5	76.0	74.6	70.0	67.5					114.6
(26.9 DEG K)	1500	85.5	83.4	83.3	83.9	83.7	82.7	82.3	79.9	77.6	75.4	71.9	68.4					114.8
FACT 1.0	2000	85.5	82.8	82.4	84.4	84.5	85.0	83.1	79.7	76.5	75.8	72.0	68.2					114.5
(1.0 KG/3)	2500	88.5	84.2	84.1	84.8	84.8	85.0	83.1	81.5	77.7	76.2	71.6	68.7					115.2
WAVE 17.2	3150	89.0	84.7	84.6	84.6	84.6	84.3	85.8	83.4	80.4	80.5	81.4	80.2					121.3
(17.2 DEG/SEC)	4000	85.7	82.4	84.1	84.4	84.6	83.5	82.8	80.3	80.7	84.7	83.6	77.7					124.7
SW 1.001 RPM	5000	83.0	83.2	88.13	90.19	85.1	87.3	87.3	83.5	80.4	77.0	73.6	72.2					116.5
(1.001 RAC/SEC)	6300	81.5	89.0	91.12	92.9	92.0	93.4	91.7	88.5	84.0	81.1	76.9	76.2					123.2
SW 1.0017 RPM	8000	84.4	92.4	95.0	95.12	95.9	95.1	95.1	94.3	90.0	87.1	81.5	83.4					123.4
(1.0017 RAC/SEC)	10000	84.2	93.8	95.4	96.9	95.7	96.0	94.4	91.4	87.4	84.5	81.5	79.4					120.7
NO. OF BLADES 13	12500	85.0	93.3	94.0	97.2	99.0	96.5	95.8	91.3	87.8	83.5	80.9	78.5					127.8
MAX TIP SPEED	15000	84.4	88.9	91.0	93.3	94.1	95.9	92.8	89.3	87.0	82.1	78.5	76.5					123.9
(122.3 FT/SEC)	20000	84.1	87.2	89.14	92.2	93.9	93.5	92.3	88.9	85.2	78.3	75.5	73.5					124.5
	25000	83.4	85.8	87.7	90.8	91.3	90.7	89.3	86.4	82.2	75.5	72.3	68.9					122.7
	31500	82.4	83.4	84.1	86.1	86.3	89.6	87.5	83.9	80.6	73.8	68.4	65.5					122.0
	40000	83.0	81.1	84.1	85.7	87.1	86.9	84.0	81.6	78.0	70.7	55.0	63.7					123.8
OVERALL MEASURED																		135.3
OVERALL CALCULATED		105.8	102.3	104.6	106.3	103.9	105.0	103.8	101.1	97.8	94.4	92.1	89.3					
PNOB		118.4	114.9	116.6	117.1	116.5	118.1	115.3	113.0	110.1	107.5	105.8	101.4					

Run 12/Reading 18

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 32 DAY 8 HR. 0:0

SPL INPUT AT STD	FREQ. (0.0)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 20 PERCENT REL; HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
	50	35.4	40.3	46.1	49.0	49.0	49.0	49.0	51.5	52.2	51.6	50.9	52.3				
	63	37.1	44.2	46.5	49.6	51.1	52.6	50.1	55.1	51.7	48.1	48.8					
SIDELINE 5007 FT	80	38.8	47.1	51.0	52.5	52.9	53.6	55.2	56.9	54.5	52.4	52.7					
(152.43 M)	100	41.4	49.3	53.3	55.0	54.6	54.1	53.2	52.2	51.9	49.7	48.7					
NFA 3300, RPM	125	41.3	49.7	54.1	56.1	57.5	57.1	56.7	55.2	53.8	51.4	49.9					
(345, RAD/SEC)	160	37.9	49.5	52.6	54.7	55.2	55.7	54.9	53.6	52.3	49.6	47.4					
NFK 3254, RPM	200	38.0	48.7	53.9	55.0	58.1	58.2	57.6	55.1	53.2	51.8	49.8					
(341, RAD/SEC)	250	38.9	49.9	56.5	59.0	59.7	60.0	57.9	55.8	54.1	51.4	49.1					
KFD 3244, RPM	315	41.7	51.0	56.0	57.8	58.5	59.9	56.6	54.9	53.5	54.9	46.6					
(340, RAD/SEC)	400	42.0	51.3	55.9	59.3	59.5	59.4	58.4	55.4	53.6	49.4	45.4					
AIRFLOW RATIO	500	37.6	47.8	53.3	57.5	59.1	60.0	58.5	56.8	54.8	51.1	47.0					
W/WH 12.67	630	35.8	46.1	54.1	58.0	60.8	60.5	58.0	55.4	54.9	50.9	47.6					
VEHICLE WTHSIN	800	35.9	46.9	54.0	57.7	60.4	60.1	58.6	56.3	54.8	50.3	46.7					
CCAFIS	1000	45.0	58.6	55.2	69.0	71.3	72.5	71.1	68.7	66.0	64.7	57.9					
LCC SCHENECTADY	1250	41.0	55.0	62.3	66.5	68.3	69.1	67.7	65.6	62.9	61.6	55.1					
DATE 65-29-75	1600	34.5	45.0	57.9	59.3	61.2	62.8	60.4	57.7	54.7	51.1	49.1					
RUN 12/18	2000	32.9	49.5	59.0	63.2	66.3	68.9	64.9	61.9	59.4	56.0	52.6					
TAPE X00040	2500	33.7	56.1	66.5	65.8	68.0	69.9	70.3	66.7	64.1	60.3	59.5					
PAN TIP SPEED	3150	30.9	50.4	60.7	65.6	68.1	68.5	66.7	63.5	60.8	57.6	54.8					
1023, FT/SEC	4000	24.7	46.0	59.0	66.3	67.3	68.8	65.7	62.9	58.9	56.5	53.3					
6300	5000	16.3	41.4	54.1	62.7	66.1	65.4	63.3	61.8	57.1	53.3	50.5					
8000	6300	4.0	34.6	49.6	58.0	61.4	63.1	61.3	58.5	52.1	49.1	45.9					
10000	8000		24.9	43.0	51.5	55.7	57.3	56.3	53.1	46.8	42.2	35.8					
OVERALL CALCULATED	10000		12.3	33.0	45.0	50.2	51.7	55.4	48.3	41.7	36.2	32.0					
PNUS		52.0	64.3	72.1	75.6	77.7	78.5	77.2	74.6	71.8	69.6	65.7					
		57.7	75.7	85.4	88.3	90.4	91.1	93.4	87.4	84.4	81.1	75.8					

Run 12/Reading 19

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70 PERCENT REL. HUM, DAYS)										PROC. DATE - MONTH 39 DAY 8 HR. 00			
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.		100.		
SACIAL 17, FT.	50	73.1	66.6	67.1	76.6	75.8	71.6	70.3	68.6	67.6	67.6	65.3	67.1	66.6	103.7
(5, 4)	63	74.8	72.6	74.5	77.8	75.5	78.3	74.0	74.0	75.3	77.0	74.3	74.3	75.3	103.9
VEHICLE UTHSIN	80	74.9	65.1	65.1	73.9	67.9	68.1	69.9	72.4	71.0	74.1	72.6	70.4	103.2	
CONFIG	100	75.9	76.6	69.6	70.1	65.6	68.4	68.4	70.9	71.4	72.9	72.4	71.4	103.5	
LCC SCHNECTADY	125	81.9	80.9	80.2	78.4	78.4	77.4	75.2	75.7	75.7	74.4	73.4	73.9	104.3	
DATE 65-29-75	150	81.9	82.7	83.0	80.7	81.2	81.3	80.2	81.0	74.9	72.9	71.9	72.1	103.1	
BLK 12/19	200	81.5	87.2	87.0	85.7	84.2	83.5	82.5	83.2	82.5	81.2	79.0	72.0	109.5	
WAVE X00040	315	89.5	90.0	89.5	88.7	87.7	84.8	83.2	81.7	83.5	79.7	77.5	76.2	113.1	
PAZ 29.9 Hz	400	87.2	87.1	86.6	85.9	85.6	84.4	83.2	81.7	83.5	79.7	77.5	76.2	113.1	
20529 N/42	500	87.4	86.8	87.5	86.3	85.9	84.4	83.2	81.7	83.5	79.7	77.5	76.2	113.1	
YARE 73 DEG F	630	92.0	91.2	90.9	90.0	89.7	87.8	85.7	84.9	80.7	77.9	74.8	72.1	115.3	
(290) DEG K	800	92.3	92.0	92.0	91.3	91.8	89.1	87.5	85.0	80.7	78.7	76.5	74.7	116.0	
YARE 60 DEG F	1000	88.8	88.7	89.9	89.2	89.5	87.3	84.2	81.9	79.2	77.0	73.2	71.2	120.6	
(287) DEG K	1250	89.1	88.8	89.7	89.3	89.3	86.8	84.0	81.2	78.8	76.8	72.8	70.0	115.6	
MACT 0.5 M/MS	1600	89.2	87.9	87.3	86.7	85.9	83.9	81.6	78.3	75.9	74.4	71.1	68.9	115.2	
(1. KG/MS)	2000	87.1	87.0	86.4	84.9	84.6	83.5	80.8	77.2	74.2	73.3	69.7	67.5	115.5	
BFA 9371.0 RPM	2500	92.7	93.2	93.4	94.3	94.3	93.5	90.6	89.3	85.9	83.7	81.6	77.2	124.5	
(9E11 RAD/SEC)	4000	93.5	92.7	93.4	94.6	94.6	93.0	90.9	85.9	83.3	82.2	78.2	73.2	123.7	
SFK 9247.0 RPM	5000	91.0	85.7	87.1	87.9	88.1	88.0	86.8	83.6	79.9	78.2	74.9	72.4	123.0	
(9E8 RAD/SEC)	6300	93.5	91.5	91.6	92.4	93.3	94.3	91.5	87.3	82.6	75.2	77.9	75.2	115.3	
NFD 11517.0 RPM	8000	91.9	91.2	93.0	95.7	95.1	95.1	91.9	87.3	82.8	79.6	78.4	77.7	123.2	
(1E5 RAD/SEC)	10000	91.2	91.1	92.6	95.4	95.9	94.0	92.3	89.1	83.5	80.6	79.5	77.4	124.2	
SCF OF BLADES 10	12500	92.5	89.8	91.3	94.7	95.5	95.0	93.3	85.4	83.2	79.2	78.0	76.9	123.3	
FAN TIP SPEED 15000	15000	92.4	86.4	88.5	93.3	92.6	92.9	91.3	85.8	83.0	79.3	75.1	75.4	123.3	
818. FT/SEC	20000	92.6	85.2	87.9	93.4	91.9	92.0	90.0	84.4	80.7	76.0	74.0	72.0	125.2	
	25000	92.9	84.8	85.7	93.8	91.5	92.0	88.8	84.4	77.9	72.3	71.1	70.0	123.1	
	31500	91.7	82.6	85.1	92.1	89.3	88.4	87.5	82.4	75.2	68.5	65.0	65.9	122.3	
OVERALL MEASURED	40000	91.0	81.1	84.6	90.2	87.1	85.9	84.1	78.6	72.0	65.5	60.7	53.5	121.0	
OVERALL CALCULATED	105.0	103.0	105.3	105.8	105.4	105.1	103.3	96.2	85.2	82.9	80.9	80.7	82.7	121.0	
	106.8	115.7	118.9	117.1	117.0	117.4	115.8	111.5	108.2	106.1	104.1	101.3	103.7	139.7	

Run 12/Reading 19

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE - MONTH 39 DAY 8 HR. 3:8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F. 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.09)	130. (2.27)	140. (2.44)	150. (2.62)
50	40.9	48.1	53.4	56.8	58.8	59.7	58.8	56.2	54.3	53.2	53.0					
63	44.6	52.7	54.9	58.1	60.1	60.1	61.6	59.8	57.0	53.8	52.6					
SIDELINE 5000 FT; (152.40 M)	60	48.3	56.1	59.5	61.8	61.9	62.1	63.7	63.4	62.3	59.9	56.7				
KFA 2640. RPM	100	53.4	58.1	62.1	64.0	62.9	62.6	62.0	61.2	63.8	58.2	56.5				
(274. RAD/SEC)	125	46.8	54.7	58.9	61.6	62.3	61.6	60.9	58.7	57.6	54.2	52.4				
NFK 2635. RPM	160	45.6	55.0	59.4	61.4	61.4	61.2	60.4	59.4	55.3	55.1	51.9				
(273. RAD/SEC)	200	49.2	57.9	62.1	65.0	65.1	64.4	63.5	60.8	59.0	56.6	54.3				
NFD 3244. RPM	250	49.2	58.4	63.0	65.7	66.1	66.0	64.4	61.9	60.1	56.7	54.1				
(340. RAD/SEC)	315	45.0	55.7	61.5	64.1	64.0	62.4	61.1	58.9	56.8	52.9	50.3				
AIRFLOW RATIO	400	44.0	54.8	60.1	63.5	63.3	61.9	60.1	58.2	56.4	52.2	48.9				
WF/WH 12.00	500	42.1	51.8	57.0	59.8	60.1	59.2	57.0	55.1	53.8	50.3	47.5				
VEHICLE UTMSIN	600	46.3	62.0	64.1	67.7	71.3	71.9	68.2	64.8	62.8	60.6	56.5				
CONFIG	800	44.4	61.2	63.8	67.5	71.4	71.9	67.9	64.6	62.6	60.8	56.3				
LCC SCHENECTADY	1000	36.0	49.1	56.5	61.6	63.0	63.5	61.3	58.3	56.8	53.2	50.2				
DATE 05-29-75	1250	38.5	52.6	60.3	65.3	68.8	67.8	64.4	61.6	57.4	55.9	53.6				
BLN 12/19	1600	37.8	53.2	61.5	65.9	68.7	67.8	64.0	60.4	57.4	56.0	54.6				
TAPE X30000	2000	39.2	51.5	61.9	66.7	68.6	68.6	65.6	60.7	58.0	56.7	54.0				
EAN TIP SPEED	2500	32.5	49.8	60.7	65.8	67.8	67.8	64.5	60.1	57.8	55.1	53.1				
810. FT/SEC	3190	27.1	46.5	58.8	64.6	67.3	67.6	64.4	59.3	56.8	54.4	50.9				
OVERALL CALCULATED	4000	17.6	40.8	55.4	62.2	64.0	64.1	61.0	56.2	51.7	49.8	47.2				
PNOB	5000	13.0	38.7	54.7	59.0	60.9	61.8	58.9	53.2	47.8	46.3	44.4				
	6000	2.2	32.5	51.8	55.3	58.0	59.3	55.4	49.1	42.7	40.7	39.9				
	8000		23.3	45.2	51.4	54.3	54.5	51.7	44.9	39.1	35.1	34.3				
	10000		12.1	36.5	43.2	47.8	49.7	46.4	41.1	34.9	29.8	30.5				
		58.0	68.9	73.7	77.3	79.5	79.4	76.7	73.7	71.7	69.4	66.5				
		60.6	75.7	84.1	88.6	90.9	91.6	88.1	83.8	80.9	78.6	76.0				

Run 12/Reading 20

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 47 DAY 8 MR. 8:7

MODEL SOUND PRESSURE LEVELS (90. DEG. F., 70 PERCENT REL. HUM., DAY) ANGLES FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (90. DEG. F., 70 PERCENT REL. HUM., DAY)														PHL			
	ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	65.1	65.8	66.1	68.1	69.8	70.3	69.1	57.8	67.1	67.6	66.6	65.8						101.6
63	73.3	73.0	74.8	77.9	79.0	78.3	74.0	73.8	75.3	77.9	75.8	76.0						110.0
RADIAL 17. FT.	80	83.3	85.1	84.9	85.4	87.9	88.4	70.4	72.4	71.9	74.1	72.4						104.7
(8. M)	100	70.1	89.4	88.4	86.9	85.1	85.1	67.9	70.1	76.8	71.6	71.1						103.3
VEHICLE UTHSIM	125	86.4	79.7	78.4	76.7	76.7	75.4	73.9	74.2	74.2	72.7	71.7						108.5
CONFIG	150	79.1	77.1	76.9	78.1	78.4	76.6	74.6	75.1	73.6	72.1	70.9						109.7
LCC SCHENECTADY	200	80.0	81.5	81.7	80.2	79.7	80.0	79.8	79.7	77.7	75.8	72.2						111.0
DATE 65-29-75	250	87.7	86.7	85.7	85.0	84.0	82.2	81.7	82.0	81.2	80.0	78.0						115.0
BLN 12/20	315	89.8	89.2	89.2	88.5	85.7	84.0	82.5	81.2	80.0	78.7	76.7						117.2
TAPE X00040	400	85.7	85.9	85.9	85.9	85.1	83.9	82.1	80.1	77.6	75.9	73.1						115.3
EAR 27.9 HG	500	85.6	85.3	86.0	86.1	84.8	82.6	81.6	79.5	77.8	76.6	73.0						114.1
(03988, N/42)	630	90.8	89.7	89.9	89.7	88.0	86.5	84.2	82.2	79.5	77.0	74.2						115.2
TAME 741 DEG F	800	91.3	90.8	91.0	91.0	90.0	88.1	86.5	83.3	81.3	78.6	75.8						116.6
(296, DEG K)	1000	87.8	87.7	89.4	89.7	89.0	88.9	83.9	81.2	78.9	76.5	73.2						113.1
TWET 801 DEG F	1200	88.9	88.3	89.5	89.5	88.1	86.3	84.5	81.0	79.0	76.5	72.8						117.9
(289, DEG K)	1600	88.5	87.6	87.1	85.7	85.7	83.9	81.1	78.1	75.6	74.2	71.4						115.4
WACT 0. GH/M3	2000	85.1	85.8	85.4	84.6	83.8	82.0	80.4	76.9	73.7	72.5	68.7						113.7
(1 KG/M3)	2500	94.2	93.9	96.1	93.3	93.5	94.2	93.8	92.1	85.7	83.5	80.9						124.7
SFA 9375, RPM	3100	94.8	94.2	96.6	93.6	93.8	94.0	94.1	90.1	85.9	83.5	81.2						124.0
(982, RAD/SEC)	4000	84.7	85.7	85.8	85.9	87.8	87.3	85.5	83.3	79.2	77.2	73.6						117.6
SFK 9242, RPM	5000	89.0	90.2	91.8	91.9	92.8	93.8	92.0	87.6	82.9	80.0	77.1						123.1
(969, RAD/SEC)	6300	92.2	92.5	93.7	93.9	94.1	95.2	92.7	88.5	83.3	80.6	76.9						124.5
SFD 11517, RPM	8000	91.4	92.8	94.0	96.5	97.6	95.9	94.3	93.3	84.8	81.1	79.5						126.3
(1200, RAD/SEC)	10000	90.2	90.8	92.9	95.6	96.0	95.0	93.4	89.3	83.9	80.7	79.0						125.4
NO. OF BLADES 15	12500	89.5	89.1	91.3	94.5	95.5	95.3	94.1	89.8	84.0	80.5	78.9						125.4
FAN TIP SPEED 18000	15000	86.4	85.9	88.0	90.8	92.8	92.6	90.8	88.1	81.9	76.7	74.5						122.9
812, FT/SEC	20000	84.9	84.7	87.4	90.4	91.6	96.8	89.0	87.4	79.2	72.8	75.8						122.0
	25000	83.7	83.8	86.2	90.0	89.8	85.9	87.5	85.1	75.7	68.5	68.3						121.0
	31500	81.9	81.4	84.1	87.1	86.3	87.6	85.5	82.1	73.6	67.4	63.2						117.9
	40000	79.7	79.4	82.6	84.5	85.6	84.6	82.9	80.3	72.3	65.7	60.5						118.8
OVERALL MEASURED																		135.4
OVERALL CALCULATED		103.1	103.0	104.5	104.9	105.3	104.8	103.4	99.9	95.2	92.7	88.4	88.2					
PNR08		116.4	116.2	117.8	116.5	116.9	116.2	115.4	111.9	108.1	105.8	103.4	100.1					

Run 12/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 47 DAY 9 HR: 0:0
99. DEG. F. TO PERCENT REL. HUM. DATA

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F. TO PERCENT REL. HUM. DATA)

SPL INPUT AT ST2	FREQ. (C.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		0	10	20	30	40	50	60	70	80	90	100
SIDELINE 5007 FT7	50	39.7	47.1	52.6	55.5	55.5	54.7	56.0	54.9	53.6	52.2	52.0
(152.43 M)	63	43.3	51.4	54.4	56.6	58.6	58.9	60.4	58.8	56.2	53.3	52.9
RFA 2641 RPM	100	47.6	54.8	58.7	61.5	60.6	61.4	62.4	62.1	61.0	58.9	55.7
(276.1 RAD/SEC)	125	49.6	57.8	61.8	63.0	62.1	61.9	61.5	60.7	59.8	57.5	55.7
NFA 2603 RPM	160	45.5	54.0	58.9	61.1	61.8	61.3	60.2	58.2	56.6	53.7	51.4
(273.1 RAD/SEC)	200	44.1	53.5	58.6	60.4	60.2	60.0	59.6	58.1	57.0	54.1	50.9
NFD 3244 RPM	250	47.7	56.9	61.9	63.3	63.5	62.9	61.9	59.6	57.2	54.3	52.5
(340.1 RAD/SEC)	315	47.9	57.4	62.8	63.0	63.1	63.0	63.1	61.1	58.8	55.7	52.9
(340.1 RAD/SEC)	400	44.0	55.2	61.0	63.6	63.3	62.1	60.3	58.6	56.3	52.6	49.3
A:RFLCN RATIO	500	43.5	54.6	60.5	62.3	62.8	61.9	59.9	58.4	56.2	52.2	48.6
WE/WH 12.60	630	41.9	51.5	57.0	59.5	60.1	53.7	56.7	54.8	53.5	49.6	46.8
	800	47.0	59.8	63.1	67.0	70.0	71.2	68.5	64.6	62.6	59.8	54.3
VEHICLE UTHSIM	1000	45.9	59.5	62.8	66.8	69.4	71.1	68.2	64.6	62.3	59.8	54.3
CCNF1G	1250	36.0	47.3	55.5	60.3	62.3	63.5	61.1	57.9	55.0	52.1	49.3
LCC SCHENECTADY	1600	38.8	52.8	59.8	64.8	68.3	68.3	65.2	60.9	58.2	55.1	53.6
DATE 05-29-75	2000	38.8	53.4	61.0	65.4	69.2	68.5	65.5	60.9	58.2	55.1	53.6
BLN 12/20	2500	36.2	52.5	62.6	68.2	69.4	68.6	65.8	62.7	59.3	56.7	54.6
TAPE X00040	3150	32.2	50.1	61.0	68.0	68.0	68.3	66.0	62.8	59.3	56.7	54.5
PAN TIP SPEED	4000	26.4	46.5	58.5	64.6	67.5	68.4	65.4	60.8	57.8	55.9	53.1
818. FT/SEC	5000	17.1	40.3	52.9	60.5	63.7	64.1	62.7	57.0	52.9	50.0	47.2
	6300	12.5	38.2	51.7	58.7	61.4	62.0	61.9	54.4	48.3	46.1	44.2
	8000	1.2	32.0	48.1	54.6	57.8	59.0	58.2	49.6	42.7	40.2	39.9
OVERALL CALCULATED	10000		22.3	40.2	49.4	53.5	54.0	53.0	45.4	39.6	35.1	34.1
PND8		37.4	67.8	73.7	77.0	78.9	77.1	73.6	71.3	68.7	65.8	65.8
		60.6	74.7	83.7	88.6	90.8	91.3	84.3	81.1	78.7	75.8	75.8

ORIGINAL PAGE IS
OF POOR QUALITY

Run 14/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 50 DAY 0 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
50		34.4	41.6	46.6	49.5	49.8	50.3	51.3	50.2	48.3	49.7	49.0		
63		33.1	45.4	48.4	51.3	52.6	53.4	55.2	52.1	51.0	50.6	47.1		
SIDELINE 500 FT. (152.40 M)	50	42.1	49.6	53.2	55.8	56.9	58.4	59.7	57.4	56.3	56.6	52.7		
NFA 2704 RPM (283 RAD/SEC)	100	46.1	51.6	56.6	58.7	57.9	58.4	58.2	57.5	57.4	56.6	53.5		
NFA 2704 RPM (283 RAD/SEC)	125	43.4	50.0	54.1	56.6	57.3	57.1	57.2	54.7	53.1	52.4	49.7		
NFA 2696 RPM (282 RAD/SEC)	160	40.9	47.3	53.4	54.7	55.7	56.5	57.9	55.4	53.8	52.1	48.4		
NFA 2696 RPM (282 RAD/SEC)	200	42.5	51.9	55.4	58.0	59.1	59.2	59.8	55.6	54.7	53.1	49.5		
NFA 2696 RPM (282 RAD/SEC)	250	42.9	51.4	56.0	59.0	60.4	60.5	60.1	56.9	54.8	52.7	49.4		
NFA 3244 RPM (346 RAD/SEC)	315	41.2	47.0	51.0	54.1	56.0	56.4	56.2	54.1	52.3	48.4	45.6		
NFA 3244 RPM (346 RAD/SEC)	400	35.8	46.6	50.9	52.5	54.6	53.7	54.6	52.4	50.9	47.4	42.6		
AIRFLOW RATIO	500	32.3	44.5	50.0	51.8	52.8	52.7	52.3	51.1	49.3	46.6	41.8		
W/F/M 12.60	630	45.5	55.0	57.4	60.0	62.5	63.4	64.6	57.6	56.1	56.1	51.3		
VEHICLE UTMSIM 1500	900	49.1	57.7	62.1	65.0	67.2	63.4	69.6	63.8	62.3	61.0	55.3		
CONFID 1250	1500	36.3	47.6	52.7	54.1	54.0	55.3	54.4	51.8	50.5	48.7	44.0		
LUC SCHEMECTADY 1600	2000	30.7	47.3	55.8	58.5	59.1	59.1	58.4	56.4	54.7	52.9	47.8		
DATE 56-02-75	2500	40.7	54.4	60.7	63.2	63.9	65.5	62.5	60.2	58.7	57.0	52.4		
RUN 14/4	3000	44.2	59.1	64.3	69.1	69.5	69.0	69.0	60.1	63.9	62.6	57.9		
TAPE X00060	3150	39.0	55.0	61.9	66.4	67.4	67.3	66.7	64.7	62.2	60.8	55.2		
FAN TIP SPEED 4000	3500	31.7	51.2	58.3	64.6	66.3	66.9	66.4	64.6	62.5	60.2	53.4		
830 FT/SEC	5000	23.5	45.3	53.4	62.2	65.2	65.6	64.7	64.7	62.2	59.3	52.2		
OVERALL CALCULATED	6300	17.3	42.8	54.2	65.5	63.7	64.9	62.2	62.5	59.6	58.1	51.0		
PNDG	8000	6.7	36.3	50.1	57.1	60.0	61.5	61.1	59.4	56.5	53.7	47.9		
	10000		26.5	41.9	50.9	55.3	58.2	54.9	54.9	52.1	48.3	41.8		
	10000		13.6	32.5	43.4	47.8	50.7	48.3	50.6	48.9	42.3	36.3		
	OVERALL CALCULATED	53.1	66.9	70.8	74.8	76.2	76.5	76.4	73.9	71.9	70.1	65.1		
	PNDG	62.5	77.0	83.1	87.7	89.0	89.3	88.9	87.0	84.8	82.7	77.2		

Run 14/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 58 DAY 0 HR: 0.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (56. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.73)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)
50	37.9	45.1	53.1	52.8	53.5	52.5	53.5	52.9	51.9	52.7	51.5						
63	42.6	50.2	52.0	55.8	57.4	58.1	59.2	57.8	55.2	54.3	51.1						
SIDELINE 500. FT.	46.1	53.6	56.5	59.0	60.6	61.9	62.7	62.6	61.5	60.1	56.2						
(192.40 M)	49.6	57.3	61.1	62.5	62.1	62.1	62.7	61.5	61.4	60.2	57.0						
NEA 2940. RPM	45.3	53.5	58.6	60.8	61.0	61.3	60.9	58.9	57.6	55.9	53.2						
(308. RAD/SEC)	42.6	51.8	55.1	57.2	57.7	58.7	58.5	57.4	56.3	53.9	49.4						
NEK 2940. RPM	44.5	53.4	57.4	59.8	61.3	60.7	61.0	58.1	56.9	54.6	50.0						
(308. RAD/SEC)	43.9	53.4	57.8	60.7	61.6	61.7	60.9	58.4	56.3	54.9	50.4						
NEJ 3244. RPM	42.7	43.7	51.8	55.6	57.3	57.9	57.9	55.9	53.8	50.9	46.6						
(340. RAD/SEC)	37.3	48.6	52.6	53.8	53.3	54.7	55.3	53.4	51.6	49.4	44.4						
AIRFLOW RATIO	33.3	45.3	50.0	51.8	53.1	53.0	53.3	51.3	50.5	47.6	42.3						
WF/WH 12.60	43.5	51.8	54.4	55.7	57.5	58.9	58.0	56.6	55.6	51.6	46.3						
800	51.6	61.0	67.1	67.5	67.4	68.4	65.6	65.6	63.6	61.0	56.0						
VEHICLE UTWSIM	37.0	43.3	53.5	56.1	56.5	56.9	55.1	53.0	52.0	49.5	45.2						
1250	37.1	48.6	54.0	56.3	57.3	57.8	56.7	54.5	53.2	51.4	46.3						
LCC SCHENECTADY	41.6	54.7	60.5	63.4	65.9	65.3	64.0	62.9	60.4	60.2	54.4						
DATE 16-02-75	36.5	51.6	57.0	62.1	62.8	62.5	62.2	59.9	57.7	56.1	51.4						
RUN 14/9	38.5	55.0	62.4	67.7	68.7	67.7	68.0	66.0	63.7	62.5	56.5						
TAPE X00060	32.2	51.0	59.5	64.8	67.3	67.6	66.9	65.3	62.5	60.4	54.2						
FAN TIP SPEED	24.2	46.3	55.9	62.5	65.5	66.1	64.7	64.5	62.0	60.0	52.9						
5000	19.7	44.3	55.2	61.9	64.0	65.6	63.0	63.5	60.4	58.1	51.9						
914. FT/SEC	6300	7.7	37.5	51.3	58.3	61.0	62.5	61.6	60.1	57.2	55.0	45.4					
8000			23.0	43.7	52.4	56.3	57.0	55.5	55.7	53.1	49.8	42.6					
10000			15.6	34.5	44.7	49.5	51.5	49.3	51.4	47.7	43.3	37.3					
OVERALL CALCULATED																	
PMSB	56.9	66.4	72.0	75.0	76.3	76.8	75.8	74.6	72.5	70.8	65.8						
	62.4	76.2	83.4	88.0	89.5	89.7	88.9	87.6	85.1	83.2	77.5						

Run 14/Reading 6

Page 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 66 DAY 0 HRT. 0.8

MODEL SOUND PRESSURE LEVELS (99, DEG. F, 70 PERCENT REL. HUMID. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (C.)	ANGLE FROM INLET IN DEGREES (AND RADIANS)												PND
		0.	10.	20.	30.	40.	5.	60.	70.	80.	90.	100.	110.	
	50	75.3	67.1	65.6	65.8	67.6	68.8	68.3	67.3	65.1	67.6	66.6	63.6	100.6
	63	76.8	71.5	71.5	70.8	71.3	72.8	73.5	72.3	71.3	77.5	74.5	75.5	106.8
RADIAL 17. FT.	80	74.4	65.9	66.4	65.1	67.6	68.9	73.1	74.9	74.6	76.6	75.6	72.9	107.3
(5. M)	100	75.6	67.1	66.1	64.4	62.4	63.4	66.4	68.4	69.6	69.4	69.9	67.9	101.4
VEHICLE UTMSIN	125	76.2	75.9	75.2	72.9	72.2	71.4	71.7	70.7	73.7	70.2	71.2	72.4	109.5
CONFID	160	75.4	73.5	73.1	73.4	74.4	72.6	75.9	71.4	69.6	69.4	70.6	69.4	115.2
LCC SCHEJECTADY	200	77.0	73.3	78.2	75.2	76.7	77.0	76.2	77.9	75.3	72.5	71.5	68.7	117.0
DATE 06-02-75	250	83.3	82.8	82.2	81.2	80.5	80.2	80.8	80.5	79.7	78.5	77.5	74.0	115.3
RVA 14/6	315	87.3	87.5	87.0	85.7	84.2	82.3	81.2	80.8	79.2	78.0	77.5	74.5	115.4
T-PRE	400	84.6	84.1	84.4	84.4	83.9	82.2	81.1	79.6	78.9	78.6	74.4	71.9	114.1
B-P 29.7 KC	500	82.1	82.8	82.5	81.3	80.1	78.8	78.5	77.3	75.3	74.1	72.3	68.2	111.5
(80292. R/M2)	630	83.7	84.2	83.9	83.5	82.7	81.5	80.2	78.7	75.5	74.5	73.2	69.9	113.2
TAMM 82. DEG F	800	85.0	84.8	84.5	83.5	83.0	82.1	80.7	79.8	78.6	75.6	74.3	70.8	113.7
(293. DEG K)	1000	83.7	82.7	82.4	79.7	80.0	79.5	78.9	78.0	75.2	73.3	71.2	67.9	111.2
T-RET 63. DEG F	1250	77.3	81.3	81.2	81.1	79.8	78.1	76.7	76.9	75.3	72.8	69.5	64.8	117.9
(289. DEG K)	1600	80.4	80.1	81.5	80.7	79.2	78.7	78.1	75.7	73.6	71.2	68.4	64.6	115.1
HACT 1. GM/M3	2000	81.9	81.7	81.2	80.9	80.3	78.3	76.1	75.8	71.5	70.3	68.0	63.5	110.6
(1. KG/M3)	2500	85.0	84.6	84.9	83.8	82.0	81.0	79.1	77.8	73.9	73.0	71.6	67.2	113.4
NFA 1.583. RPM	3150	97.9	96.9	99.4	97.9	92.6	90.8	88.8	86.6	83.7	83.8	82.2	77.0	125.0
(1108. RAD/SEC)	4000	87.8	87.5	86.3	84.4	83.1	82.6	79.5	78.1	75.2	73.7	72.1	67.7	124.1
NFK 1.553. RPM	5000	89.1	87.8	87.8	85.4	83.8	83.0	80.5	79.3	76.7	74.7	73.4	69.4	115.1
(1165. RAD/SEC)	6300	95.8	94.9	94.4	92.7	92.9	90.4	87.7	86.8	83.6	81.6	80.1	76.9	122.3
NFD 1.517. RPM	8000	90.0	91.5	92.9	91.6	91.8	89.8	87.7	86.2	83.2	81.3	79.5	75.4	121.7
(1206. RAD/SEC)	10000	96.1	97.1	98.3	97.5	97.6	96.2	93.3	92.6	89.1	87.9	85.9	80.5	127.8
NO. OF BLADES 18	12000	95.6	94.7	95.3	95.2	95.7	94.5	93.1	91.8	89.3	88.2	86.5	80.6	126.2
FAI TIP SPEED	15000	93.6	93.1	93.3	93.3	94.6	94.4	93.1	91.3	89.5	87.5	85.5	78.2	125.9
924. FT/SEC	20000	92.1	92.4	91.9	94.5	94.7	93.1	92.3	88.5	86.5	84.5	82.5	76.5	125.7
	25000	90.5	90.8	91.2	93.0	93.3	91.7	90.3	88.3	86.2	84.3	82.5	76.4	124.8
	31500	89.8	89.3	89.9	90.3	91.3	90.6	88.3	84.7	84.1	81.1	79.4	73.0	123.3
	40000	86.8	87.3	88.4	88.2	88.6	87.4	86.1	82.2	82.5	78.5	75.5	71.2	122.0
OVERALL MEASURED		114.7	104.4	105.4	104.8	104.3	103.0	101.3	99.2	97.5	95.3	93.2	88.9	135.3
OVERALL CALCULATED		117.1	116.4	117.9	116.4	113.3	111.7	109.9	108.4	105.6	104.0	103.3	98.9	

Run 14/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 66 DAY 0 HR: C.A

SPL INPUT AT STG	FREQ. (C)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, 64, F, 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIAN'S)															
		0.	10.	25.	35.	40.	5.	09.	75.	80.	85.	100.	110.	0.	0.	0.	0.
		(0.17)	(0.35)	(0.52)	(0.70)	(0.7)	(1.05)	(1.22)	(1.4)	(1.57)	(1.75)	(1.92)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)
50		36.2	43.3	47.9	51.5	51.5	51.0	52.3	50.9	56.8	51.6	57.3					
63		43.1	47.9	50.4	53.6	55.6	56.1	57.7	56.1	56.1	53.7	52.6	49.4				
SIDELINE 500. FT. (152.43 M)	80	43.8	51.3	55.3	57.6	58.6	59.6	60.9	60.6	56.5	58.4	56.4	54.4				
NEA 2951. RPM	100	47.8	55.6	59.1	60.5	60.4	60.6	60.2	60.0	58.9	58.2	56.7					
(312. RAD/SEC)	125	43.8	52.5	57.4	59.8	60.0	60.3	59.7	57.4	56.8	54.6	51.9					
MK 2972. RPM	160	41.6	50.3	53.9	55.7	56.4	57.5	57.6	55.6	54.5	52.6	49.6					
(311. RAD/SEC)	200	42.2	50.9	55.6	58.0	58.4	58.9	58.3	55.6	54.7	53.3	49.5					
NFD 3214. RPM	250	41.9	51.9	55.3	58.0	59.1	59.2	59.1	56.6	55.1	54.2	51.1					
(346. RAD/SEC)	315	37.3	46.2	51.3	54.6	56.3	57.1	57.7	54.9	52.8	50.9	47.1					
AIRFLOW RATIO	400	35.5	47.3	51.9	54.0	54.5	54.9	55.5	54.4	52.4	49.4	41.6					
W/FAN 12.60	500	35.3	46.0	51.0	53.0	54.0	53.7	54.3	52.8	50.5	47.8	43.4					
VEHICLE GTXSIN	600	35.8	46.9	53.0	53.7	54.1	53.5	57.1	50.4	46.4	46.9	41.8					
CLVFIG	800	33.3	49.7	53.3	55.0	56.4	56.1	55.0	52.5	51.3	49.3	45.2					
LOC SCHEMEDIADY	1000	47.2	61.3	66.4	65.0	65.3	65.5	64.3	62.0	62.2	60.5	54.7					
DATE 08-02-79	1250	39.8	47.3	52.3	55.3	56.6	55.8	55.5	53.1	51.9	50.1	45.1					
RUN 14/6	1600	34.1	47.5	52.4	55.1	57.0	56.3	56.2	54.4	52.5	50.9	46.3					
TAPE X00060	2000	37.9	52.8	52.7	43.4	63.8	62.9	63.2	60.7	58.9	57.2	51.4					
FAN TIP SPEED	2500	32.3	50.0	59.9	61.7	62.9	62.5	62.2	59.9	58.2	56.7	51.4					
924. FT/SEC	3150	34.2	53.3	61.3	66.5	68.2	67.9	67.9	65.2	64.2	62.3	55.9					
OVERALL CALCULATED	4000	25.7	47.2	57.0	63.1	65.3	66.1	65.2	64.4	61.6	60.0	53.2					
PNDB	5000	20.4	43.6	54.6	61.2	64.6	65.6	64.3	62.1	59.8	52.8						
	6300	9.2	33.2	51.9	58.8	61.2	63.1	63.9	61.0	59.4	52.2	53.9					
	8000		20.4	45.2	53.5	56.7	58.3	59.2	57.1	54.5	53.0	46.3					
	10000		14.0	35.2	46.0	51.2	52.5	51.2	51.6	46.2	47.3	39.5					
			54.2	65.3	73.7	73.5	74.9	75.1	74.7	73.3	71.6	69.9	64.2				
			59.2	75.1	82.6	87.3	89.0	88.8	87.2	85.3	83.3	77.4					

Run 14/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 73 DAY 0 HR: 0.8

MODEL SOUND PRESSURE LEVELS (59; DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLE FROM INLET IN DEGREES (AND RADIANS)										PWL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.		
50	64.8	66.1	64.6	64.3	65.8	67.3	66.3	65.3	63.8	66.8	65.6	63.1	67.2
63	69.8	72.0	71.3	71.5	71.5	72.3	70.5	71.5	71.8	77.0	74.5	71.3	107.7
80	63.1	65.0	65.9	65.4	68.1	68.9	73.1	74.4	74.4	76.4	75.4	72.9	107.1
100	65.1	64.6	64.4	62.7	60.2	61.7	64.4	66.6	66.4	67.1	67.6	65.6	79.3
125	73.2	72.9	73.2	70.9	68.9	68.2	70.7	61.4	69.4	69.2	70.4	71.7	103.9
160	72.9	70.6	70.1	70.9	71.4	70.1	65.4	67.9	62.6	67.9	69.6	60.1	101.2
200	74.2	76.3	75.7	74.5	74.5	74.7	73.5	74.8	73.0	76.7	69.7	67.7	100.9
250	81.0	80.3	79.7	79.7	78.5	78.2	78.9	78.5	77.5	78.5	75.0	72.2	111.1
315	85.3	85.3	85.0	83.7	82.5	83.3	79.7	78.5	76.9	75.9	75.0	72.3	111.4
400	83.6	83.1	83.9	83.4	82.6	81.2	80.4	79.4	75.1	74.4	73.6	70.9	110.2
500	79.8	80.6	80.3	79.3	78.1	77.6	76.3	76.6	71.6	73.1	71.0	68.1	107.7
630	81.2	81.2	81.4	80.5	80.0	79.5	78.2	79.7	73.5	72.2	71.6	67.7	111.4
800	82.0	81.5	81.5	80.0	80.8	80.3	79.0	78.3	75.6	73.8	72.3	69.3	111.5
1000	82.4	81.7	81.2	79.5	78.2	76.5	77.7	76.1	74.9	73.8	71.2	66.9	111.0
1250	74.8	78.8	81.3	79.8	78.8	77.1	76.0	75.4	73.0	71.7	68.5	63.3	107.5
1600	81.6	82.0	81.6	81.5	80.4	77.4	76.6	73.7	74.4	70.9	67.6	65.1	111.7
2000	81.9	82.4	82.7	79.6	79.3	77.5	75.4	76.8	72.0	72.0	69.7	64.2	110.1
2500	85.4	86.4	87.4	84.1	82.8	81.5	83.1	78.8	74.4	73.7	71.1	66.9	111.3
3150	99.9	97.2	97.4	95.1	95.8	93.8	90.1	90.1	87.4	86.8	83.9	79.7	120.5
4000	87.5	86.5	86.1	85.1	84.3	83.9	86.5	78.9	76.4	74.7	73.1	68.2	114.6
5000	87.5	87.3	86.3	85.4	84.3	82.8	81.3	77.1	77.1	75.7	72.9	68.9	111.3
6300	93.3	93.3	94.4	92.4	93.2	91.9	88.7	87.3	85.1	83.4	81.0	76.9	107.8
8000	92.5	94.3	95.2	95.0	94.6	92.0	89.9	81.9	80.4	84.3	82.6	76.1	104.5
10000	93.6	97.6	98.3	98.3	97.1	96.4	94.8	93.1	89.9	88.4	86.7	81.0	108.0
12500	94.1	94.6	94.2	93.2	95.0	94.5	92.6	91.8	88.8	87.3	84.6	78.9	105.9
15000	92.3	92.9	93.3	91.5	94.6	93.9	91.8	89.5	86.7	87.3	85.8	79.9	104.4
20000	92.4	92.1	92.8	93.7	94.4	93.0	92.1	89.0	88.0	85.3	84.9	79.3	100.9
25000	90.3	90.0	91.4	93.0	92.6	91.4	90.0	87.0	85.7	82.5	82.0	75.6	104.4
31500	89.3	89.3	89.4	90.3	90.8	89.9	87.3	84.2	83.6	81.1	79.4	73.8	103.2
40000	86.1	86.8	87.6	87.5	88.1	86.9	85.1	80.7	82.0	77.7	76.0	71.7	102.0
OVERALL MEASURED													
OVERALL CALCULATED	105.1	104.5	104.9	104.6	104.5	103.3	101.3	99.5	87.5	85.8	84.1	80.2	105.4
PND8	117.9	116.4	116.6	114.6	115.0	113.2	110.9	110.1	107.5	106.5	104.2	100.2	

Run 14/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE - MONTH 73 DAY 8 HR: 8.9

SPL INPUT AT STD	FREQ. (C)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 79 PERCENT REL. HUM. DAY)																
		ANGLE FROM INLET IN DEGREES (AND RADIANS)																
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
50		33.2	40.3	45.4	48.9	49.0	48.5	50.0	49.9	49.3	50.9	49.0						
63		35.1	45.4	48.6	51.3	53.4	53.4	55.4	54.1	52.0	50.8	48.4						
SIDELINE 500 FT.	80	41.3	45.8	52.5	55.0	56.6	57.6	58.9	58.4	57.5	55.0	52.7						
(192.40 M)	100	45.6	53.6	57.1	58.7	58.4	59.1	58.7	57.2	56.4	55.7	52.7						
NEA 3012 RPM	125	42.1	52.0	55.4	58.6	59.0	59.6	59.4	56.7	55.1	54.4	50.9						
(315. RAD/SEC)	150	37.4	47.3	52.4	53.7	55.2	55.7	56.4	54.9	52.5	52.1	47.9						
NEK 3084 RPM	200	39.2	48.4	52.6	55.3	56.8	56.9	56.3	53.6	52.5	51.1	47.3						
(314. RAD/SEC)	250	33.7	45.9	51.8	55.7	57.4	57.5	57.6	55.6	53.8	52.2	48.4						
NED 3244 RPM	315	38.2	44.0	47.8	52.8	55.3	55.9	57.2	54.0	52.6	50.9	46.1						
(340. RAD/SEC)	400	34.0	46.1	51.5	53.0	53.5	53.9	55.3	52.4	50.6	47.0	42.6						
AIRFLOW RATIO	500	36.8	48.0	51.0	54.3	53.6	54.2	54.3	51.6	50.3	46.8	43.8						
WF/W 12.60	630	35.5	46.4	49.4	52.7	53.3	52.7	55.1	50.9	51.1	48.6	42.0						
	800	35.1	50.2	53.2	55.7	55.0	57.1	56.0	53.0	52.5	48.6	45.3						
VEHICLE UTMSH	1000	47.4	59.3	63.7	68.3	68.8	66.7	67.3	65.7	65.2	62.2	57.4						
CG, FIG	1250	35.0	47.0	53.3	56.3	57.6	56.8	58.2	54.4	52.9	51.1	45.6						
LUC SCHENECTADY	1600	33.6	46.5	52.4	55.6	56.7	57.0	55.9	54.7	53.5	51.4	45.8						
DATE 06-02-75	2000	37.6	52.8	55.5	63.7	64.3	63.9	63.7	62.2	60.7	58.2	53.4						
RUN 14/7	2500	36.0	52.2	61.9	64.7	64.9	64.9	65.0	63.1	61.2	59.7	54.1						
TAPE X00060	3150	34.7	53.3	61.8	66.0	66.5	68.0	68.4	65.9	64.7	62.8	56.4						
FAN TIP SPEED	4000	29.4	46.7	57.0	62.3	65.3	65.6	65.2	63.9	62.4	59.8	53.2						
934. FT/SEC	5000	29.2	43.6	54.4	61.2	64.1	64.4	63.5	63.5	62.1	59.6	53.6						
	6000	8.9	37.9	51.1	58.5	61.7	62.9	60.4	61.3	58.9	58.2	51.7						
	8000		28.6	45.2	52.7	56.4	58.1	57.5	56.6	53.8	51.0	46.5						
	10000		15.5	35.2	45.5	50.4	51.5	50.7	51.3	46.2	47.2	40.2						
OVERALL CALCULATED		53.0	64.1	69.8	74.0	75.4	75.3	75.2	73.5	72.2	70.2	64.9						
PNDB		59.0	74.8	82.7	87.1	89.2	89.4	89.1	87.2	85.8	83.8	77.8						

Run 14/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH & DAY @ AM; 8.4

MODEL SOUND PRESSURE LEVELS (90, DEG. F, 70 PERCENT REL. HUMIDITY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (90, DEG. F, 70 PERCENT REL. HUMIDITY)																	
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	30.	60.	90.	120.	
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.3)	(0.6)	(0.9)	(1.2)	(1.5)	
50	67.6	63.8	67.6	67.6	69.6	71.3	73.0	63.8	66.6	68.1	67.6	65.3						122.3
83	70.0	72.5	72.3	71.5	71.0	72.8	72.3	71.8	77.0	74.3	71.3	71.3						126.9
RADIAL 17. FT. (5. M)	83	64.4	66.6	66.1	68.4	69.6	73.1	74.0	75.4	76.9	76.1	73.4						127.7
VEHICLE UTMSIM	125	70.4	73.1	69.6	66.9	64.9	66.1	66.6	71.9	72.1	72.9	73.4						124.7
CONFIG	163	80.7	80.4	78.9	76.7	76.9	75.7	74.4	74.2	74.7	74.7	75.2						129.4
LOC SCHEMECTADY	223	78.9	77.4	76.9	77.6	78.1	76.9	74.4	74.4	73.6	72.1	72.6						128.7
DATE 10-02-75	253	80.8	83.3	82.5	81.2	81.2	81.2	85.7	81.7	78.7	77.3	75.7						113.3
RUN 14/8	315	88.0	92.3	91.7	89.3	88.5	86.8	85.7	85.3	83.5	82.8	81.5						119.4
TAMP Y00050	433	88.1	88.4	88.4	83.2	87.4	80.7	85.1	83.4	81.1	79.6	78.1						118.9
BPR 79.7 HS	591	86.8	87.1	87.3	85.6	84.6	82.6	82.3	81.3	83.1	78.3	77.3						115.7
(0.492 N/M2)	630	89.2	89.4	89.4	87.7	87.7	86.0	84.7	83.4	80.5	79.3	77.7						118.0
TANM 61 DEG F	690	88.5	83.5	88.5	87.3	87.5	86.6	85.3	83.5	81.0	79.6	77.3						117.9
(200. DEG K)	1060	87.4	85.7	84.4	82.7	83.2	82.8	81.9	81.6	79.4	76.5	73.2						114.5
TNET 59 DEG F	1250	88.0	83.3	83.3	83.3	81.1	80.1	79.3	78.5	76.5	74.5	71.5						112.0
(485. DEG K)	1800	80.1	83.1	81.1	83.5	79.4	76.4	77.3	78.7	73.4	72.2	68.9						119.6
HACT L. G/M3	2500	81.4	82.2	81.2	82.1	80.3	78.6	78.1	76.8	73.5	71.0	68.7						121.3
(1.993 K/M3)	2500	85.1	86.1	85.9	83.3	82.8	80.0	80.1	77.8	74.9	73.0	71.1						115.5
N/A 1.993 RPM	3150	87.4	102.2	101.1	96.2	99.3	98.0	94.6	89.0	84.9	87.5	86.4						118.3
(1151. RAD/SEC)	4000	87.8	93.5	89.6	86.4	86.6	83.0	82.8	79.4	77.4	76.0	74.1						117.3
N/A 1.977 RPM	5000	89.8	87.3	87.3	87.9	84.1	84.5	82.3	80.3	77.6	76.0	74.4						115.9
(1149. RAD/SEC)	6300	96.5	97.0	99.2	95.4	95.6	93.9	91.2	90.3	86.6	84.4	85.1						120.9
N/A 1.917 RPM	8100	71.3	93.3	93.7	92.4	91.5	90.0	87.4	86.2	82.9	85.3	75.4						121.7
(1206. RAD/SEC)	10000	95.9	98.9	93.8	98.8	98.4	97.4	94.5	93.0	90.1	87.9	86.7						121.8
NO. OF BLADES 10	12000	94.4	96.6	96.8	95.5	96.2	96.3	94.3	92.0	81.0	87.5	85.1						127.6
FAN TIP SPEED	16000	73.3	94.1	94.8	94.8	95.8	95.9	94.1	91.0	80.9	87.5	85.0						127.0
900. FT/SEC	20000	92.6	92.6	94.3	94.7	95.4	94.6	93.1	87.3	84.8	85.3	83.9						129.5
	25000	91.3	91.5	93.7	95.3	95.1	93.7	92.3	87.6	88.2	84.5	82.0						126.6
	31500	90.3	90.8	91.6	91.3	93.1	92.4	90.0	86.2	85.1	82.6	79.2						129.3
	40000	88.1	88.6	88.9	89.5	90.6	89.4	88.1	82.9	85.0	81.3	76.0						124.4
OVERALL MEASURED																		
OVERALL CALCULATED	105.2	107.2	107.5	105.9	106.4	105.4	103.3	100.9	99.2	96.8	95.2	90.5						137.2
PRDS	117.5	120.9	120.3	116.9	118.0	116.7	114.0	111.0	109.3	107.9	106.6	101.6						

ORIGINAL PAGE IS
OF POOR QUALITY

Run 14/Reading 8

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 01 DAY 0 HR: 0.8

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM; DAY)														
		ANGLES FROM INLET IN DEGREES (AND RADIANS)														
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.			
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
50		37.9	47.1	52.1	55.3	55.8	54.5	50.5	44.9	38.6	33.9	32.3	31.9	32.5		
63		44.3	52.2	55.4	58.1	59.9	60.6	61.7	57.6	52.2	46.8	43.6	43.6	44.3		
SIDELINE 500. FT.	80	48.6	56.1	59.0	61.3	62.4	63.9	64.7	64.4	63.8	62.4	60.4	58.4	58.4		
(152.40 M)	100	52.6	60.3	63.3	64.7	64.9	65.1	65.2	64.2	63.9	62.2	59.7	57.9	57.9		
NEA 3098. RPM	125	48.8	56.5	59.1	63.3	64.5	64.3	63.4	61.7	60.3	58.7	55.9	53.9	53.9		
(324. RAD/SEC)	150	45.9	54.8	58.2	62.2	60.4	61.2	61.1	60.4	58.8	57.6	53.6	51.6	51.6		
NFK 3092. RPM	200	47.5	56.4	59.8	65.0	63.3	63.4	63.0	60.6	59.2	57.8	53.5	51.5	51.5		
(324. RAD/SEC)	250	45.7	54.9	59.5	62.5	63.6	63.9	62.9	60.9	59.1	57.2	52.9	50.9	50.9		
NFD 3244. RPM	315	43.2	50.2	54.3	57.8	59.5	60.1	61.7	59.1	56.3	52.9	48.3	46.3	46.3		
(340. RAD/SEC)	400	33.5	50.1	54.1	55.3	56.5	56.9	57.3	55.9	54.1	50.9	46.1	44.1	44.1		
AIRFLOW RATIO	500	34.3	45.5	51.8	53.3	54.6	55.0	57.3	52.6	51.5	48.1	43.5	41.5	41.5		
WF/MM 12.00	630	35.3	44.9	51.9	53.7	54.6	55.5	55.1	52.4	50.1	47.6	46.6	46.6			
	800	37.8	45.7	52.5	55.7	57.4	57.1	55.8	53.5	51.8	49.8	45.7	45.7			
VEHICLE UTWSIX	1000	52.4	63.1	64.7	71.8	73.0	71.2	67.3	67.2	66.2	64.7	57.4	57.4			
CONF1	1250	39.0	50.5	54.3	58.5	60.3	59.1	56.7	55.4	54.2	52.1	46.3	46.3			
LUC SCHENECTADY	1500	36.1	49.0	54.0	57.3	58.5	58.3	57.7	55.2	53.7	51.9	47.3	47.3			
DATE 06-02-75	2000	40.9	57.5	61.5	66.2	67.3	66.4	66.7	63.7	61.7	62.2	56.1	56.1			
RUM 14/8	2500	34.3	50.7	57.6	61.4	62.9	62.3	62.2	59.6	57.0	56.2	51.4	51.4			
TYPE X33059	3150	36.0	51.8	62.6	67.3	69.5	68.6	68.9	66.2	64.2	62.8	57.2	57.2			
FAN TIP SPEED	4000	27.4	48.7	58.3	63.6	67.0	67.8	67.2	66.2	62.9	60.3	53.7	53.7			
900. FT/SEC	5000	21.4	45.1	55.6	62.5	66.1	66.6	65.3	65.3	62.6	59.8	52.8	52.8			
	6300	9.4	39.4	52.1	59.5	62.7	63.9	61.7	62.3	58.9	57.2	50.2	50.2			
	8000		35.9	47.2	55.2	58.7	60.3	59.5	59.1	55.8	53.0	46.5	46.5			
	10000		17.8	36.7	47.8	52.9	54.2	52.7	52.8	50.7	46.9	39.5	39.5			
OVERALL CALCULATED		55.7	63.4	72.3	76.7	78.3	77.8	77.3	75.7	73.9	72.3	67.5	67.5			
PNDB		63.3	77.2	84.2	88.8	91.0	90.6	90.3	88.4	86.2	84.5	79.0	79.0			

Run 14/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY @ HR: O.S

MODEL SOUND PRESSURE LEVELS (99; DEG. F, 70 PERCENT REL. HUM; DAY)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		(0.)	(3.17)	(6.33)	(9.52)	(12.70)	(15.87)	(19.05)	(22.22)	(25.40)	(28.57)	(31.75)	(34.92)	(38.10)	(41.27)	(44.45)		
	50	65.3	66.6	66.6	64.8	66.6	68.1	67.3	66.3	65.1	66.8	66.1	63.8				103.0	
	63	69.0	73.3	73.8	72.3	73.5	74.8	73.5	73.8	73.3	70.2	74.5	72.3				107.3	
RADIAL 17. FT.	80	64.6	66.4	65.4	65.6	67.6	69.1	73.1	74.6	74.6	76.4	75.4	72.6				107.1	
(5. M)	100	66.4	66.4	65.9	63.9	61.7	62.7	65.4	66.9	63.1	66.6	69.4	67.1				103.0	
VEHICLE UTMSIN	125	75.2	75.2	74.7	72.2	71.4	70.4	70.7	69.4	71.4	70.9	72.2	73.2				103.4	
CONFID	160	74.4	73.1	72.4	72.9	73.4	71.9	70.1	70.9	69.9	65.4	70.9	69.6				104.6	
L/C SCHECTADY	200	76.0	73.3	77.5	76.3	76.2	75.2	75.5	70.5	74.5	72.2	71.5	69.7				100.5	
DATE 06-02-75	250	83.0	82.0	82.0	83.5	80.0	79.5	79.7	80.0	79.0	77.7	76.5	73.7				112.7	
RUN 14/9	315	85.8	86.0	85.0	84.0	82.2	80.8	79.7	78.5	77.2	77.0	76.0	73.7				113.7	
TAPE X00060	400	83.4	83.6	83.9	82.9	82.4	81.9	81.6	79.9	76.1	75.6	73.1	72.1				113.5	
BAR 29.7 HG	500	81.1	81.0	81.5	80.6	78.8	77.6	77.3	75.8	75.1	74.3	74.1	71.8				110.6	
(0292. N/M2)	630	83.2	83.2	83.4	82.3	81.2	80.3	78.9	77.7	75.0	73.5	72.5	70.2				112.1	
TAMS 62. DEG F	800	83.0	82.5	81.7	80.8	81.3	80.8	80.3	79.8	77.3	76.5	75.0	70.8				112.6	
(290. DEG K)	1000	83.2	81.9	78.7	76.7	79.5	79.2	78.8	76.7	72.5	71.0	66.9	55.3				110.9	
T-ET 59. DEG F	1250	76.0	79.3	81.2	79.0	78.6	79.1	77.0	75.9	74.8	73.8	71.3	65.3				110.2	
(285. DEG K)	1600	81.4	81.9	81.8	80.7	78.2	77.2	75.6	73.9	71.9	70.4	67.9	64.1				107.3	
HACT 1. GH/M3	2000	82.4	81.9	81.4	79.9	78.6	77.0	75.9	73.8	71.5	69.3	67.5	63.3				107.3	
(KG/M3)	2500	83.6	85.1	85.1	82.1	81.8	81.2	79.3	77.5	73.9	72.5	69.6	65.9				112.6	
MFA 10993. RPM	3150	98.7	96.9	96.4	93.1	96.1	93.8	91.6	89.6	89.4	87.8	84.7	85.7				120.4	
(1151. RAD/SEC)	4000	88.0	87.3	86.8	84.9	85.1	83.0	81.3	79.6	77.7	76.2	73.9	69.7				115.2	
NIX 10966. RPM	5000	86.8	86.8	86.8	85.4	84.6	83.0	81.0	79.3	77.4	75.7	73.6	68.7				115.0	
(1148. RAD/SEC)	5300	94.0	93.3	93.9	93.4	93.6	91.2	89.7	88.5	87.1	84.4	83.4	77.4				123.7	
NED 11517. RPM	6000	90.5	91.0	91.9	91.6	91.0	89.3	87.4	85.7	83.2	81.0	79.9	74.9				121.1	
(1206. RAD/SEC)	10000	96.9	97.9	97.3	97.3	97.4	95.9	94.3	92.4	91.1	87.9	86.7	80.3				127.7	
NO. OF BLADES 18	12500	93.9	94.6	94.3	95.2	95.5	94.3	92.8	91.1	89.5	87.2	85.6	78.9				126.1	
FAL. TIP SPEED	16500	92.6	92.3	93.5	93.8	94.3	93.5	91.8	89.3	89.3	86.2	84.3	78.8				125.4	
900. FT/SEC	20500	92.4	92.4	93.3	94.0	93.9	93.3	91.6	89.5	88.5	85.6	84.6	78.5				125.5	
	25000	90.6	90.5	91.7	93.3	92.8	91.9	90.0	87.8	86.2	83.3	82.3	76.4				124.7	
	31500	90.1	90.3	89.9	90.3	91.1	90.6	87.8	84.7	83.8	81.1	79.7	73.8				123.6	
	40000	87.8	87.8	87.9	88.3	88.4	87.4	85.6	81.2	82.5	78.2	76.5	72.2				122.4	
OVERALL MEASURED																		
OVERALL CALCULATED		104.5	104.3	104.5	104.3	104.4	103.1	101.5	99.4	98.1	95.9	94.5	89.3				135.3	
PND9		117.1	116.2	116.0	113.6	115.0	113.2	111.4	109.7	108.8	107.2	104.8	100.8					

Run 14/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 90 DAY 0 HR. 0.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DRY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)
	50	35.7	42.6	47.4	50.5	50.8	50.2	51.6	51.2	51.8	52.2	53.5
	63	39.8	47.2	50.1	53.1	54.9	55.4	57.2	55.6	53.5	52.6	49.4
SIDELINE 500. FT. (152.40 M)	80	43.1	51.1	54.2	56.5	57.9	59.4	61.4	59.9	58.8	57.4	54.2
	100	46.4	53.6	57.3	58.5	58.9	59.1	58.7	58.0	57.9	56.7	54.0
NFA 3098. RPM (324. RAD/SEC)	125	43.3	52.3	55.9	58.3	59.8	60.8	59.9	56.7	56.3	53.7	52.2
	160	40.4	49.0	53.1	54.4	55.4	56.0	55.6	55.4	54.8	54.4	51.6
NFK 3089. RPM (323. RAD/SEC)	200	41.2	50.4	54.1	56.5	57.6	57.7	57.3	55.1	53.7	53.6	49.6
	253	39.7	48.1	52.5	56.2	57.9	58.5	59.1	57.1	56.6	54.9	50.1
NED 3244. RPM (340. RAD/SEC)	315	34.2	44.5	48.3	54.1	56.3	57.4	57.9	56.4	53.3	50.6	46.1
	400	34.5	46.3	50.6	52.8	55.5	54.9	54.8	54.2	53.4	50.7	44.1
AIRFLOW RATIO WE/PM 12.00	500	36.1	46.3	50.3	52.0	53.3	53.2	52.5	51.1	49.8	47.1	42.8
	630	35.3	45.1	49.6	52.0	52.8	53.2	52.1	50.4	48.4	46.4	41.3
	800	36.9	47.9	51.2	54.7	56.6	56.3	55.3	52.5	51.3	48.3	44.0
VEHICLE UTMSIN 1000		47.2	53.3	61.7	68.5	68.8	68.2	67.3	67.7	66.2	63.0	58.4
CONFIG 1253		35.8	47.8	52.8	57.0	57.6	57.6	57.0	55.6	54.4	51.9	47.1
LUC SCHEMECTADY 1600		33.1	46.5	52.4	55.8	57.0	56.8	55.2	54.9	53.5	51.1	45.6
DATE 06-02-75 2900		37.1	54.3	59.5	64.2	64.5	64.9	64.9	64.2	61.7	60.3	53.9
RUN 14/9 2500		32.3	49.0	56.9	60.9	62.2	62.3	61.7	59.9	58.0	56.7	50.9
TAPE X00060 3150		35.0	52.3	61.1	66.3	66.0	65.9	67.2	66.2	64.2	62.6	56.2
FAN TIP SPEED 4000		25.4	45.2	57.0	62.8	65.0	65.8	65.4	64.7	62.6	60.8	53.2
900. FT/SEC 5000		20.2	43.9	54.6	61.0	63.9	64.4	63.3	63.8	61.3	60.6	52.6
	6300	9.2	38.4	51.4	58.0	61.5	62.4	60.9	61.6	59.2	57.9	50.9
	8000		23.9	45.5	53.0	56.9	58.1	57.7	57.1	54.5	53.2	46.3
	10000		19.8	35.2	45.8	51.2	52.0	51.2	51.5	49.2	47.4	40.2
OVERALL CALCULATED		53.5	63.8	69.0	73.9	75.2	75.6	75.8	74.3	72.5	70.7	65.4
PND3		58.8	74.3	82.1	87.1	88.9	89.5	88.8	87.5	85.6	84.0	77.7

Run 14/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE - MONTH 99 DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (99; DEG. F., 70 PERCENT REL. HUM.; DAY)

ANGLES FROM INLET IN DEGREES (AND RADIAN(S))

SPL INPUT AT STD	FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	PdL
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
RADIAL 17. FT. (5. M)	53	64.8	65.8	64.8	64.6	66.1	67.1	66.3	65.1	64.1	66.1	65.6	63.8	99.1
	63	69.0	73.0	73.0	73.0	74.0	75.0	73.0	73.5	73.3	76.6	74.5	73.0	107.0
	80	64.6	66.6	66.1	65.6	67.9	68.6	72.6	73.9	71.1	75.1	75.1	72.4	106.0
VEHICLE UTWSIM	100	64.4	63.7	63.4	61.4	59.2	60.9	53.7	64.9	65.6	66.1	66.9	65.4	98.4
	125	71.9	71.9	72.7	70.4	68.2	66.9	69.9	57.4	70.2	69.7	71.2	72.9	104.0
CONFIG	160	71.6	73.1	69.9	69.4	70.1	65.9	67.6	69.4	67.9	67.6	69.1	67.9	102.4
LCC SCHEMECTADY	200	73.5	75.3	74.5	73.2	73.5	73.7	72.5	73.8	71.5	69.5	69.0	66.2	105.7
DATE 06-02-75	250	79.3	73.5	78.2	76.5	76.5	75.7	76.2	77.0	75.7	74.5	73.5	70.2	109.3
RUN 14/10	315	81.8	82.0	81.5	80.5	78.7	77.3	76.7	76.0	73.5	73.0	72.0	70.0	113.2
TARE	400	82.9	82.5	83.9	83.7	81.6	81.7	81.4	79.0	75.6	75.1	71.6	71.1	113.3
BAR 29.7 H3	500	77.8	73.1	73.3	77.1	75.6	75.6	75.5	75.6	74.8	74.3	73.8	73.3	103.8
(00292. M/M2)	630	79.7	79.7	77.2	77.5	75.5	77.3	76.2	75.4	72.5	72.2	71.7	68.2	103.1
TAMP 62. DEG F	800	80.8	79.3	78.7	79.8	80.8	80.1	78.7	78.3	74.3	75.0	73.8	69.3	111.1
(290. DEG K)	1000	81.4	79.2	77.2	78.2	79.0	78.3	77.4	76.6	74.2	72.2	69.7	65.4	107.4
TMET 59. DEG F	1250	77.8	79.0	80.5	78.6	78.1	77.8	75.7	77.9	74.0	71.3	68.5	63.3	109.6
(288. DEG K)	1600	81.6	82.1	82.6	80.9	77.7	76.4	75.1	73.2	71.6	68.4	66.4	64.1	102.2
MACT 0. GM/M3	2000	81.7	81.2	80.7	79.6	78.3	76.8	74.6	73.1	71.5	68.5	66.5	62.7	104.3
(1. KG/M3)	2500	82.9	83.4	82.6	81.3	80.8	80.5	78.8	77.3	74.2	72.7	70.4	65.9	111.7
NEA 1098. RPM	3150	96.4	97.7	97.9	97.1	95.1	94.5	92.3	94.3	91.2	90.0	87.2	82.5	127.1
(1150. RAD/SEC)	4000	85.8	88.0	86.6	86.9	86.3	84.0	82.3	81.9	78.2	76.2	75.4	70.9	116.3
NEK 10950. RPM	5000	84.6	85.6	85.8	85.4	84.8	83.0	81.5	81.1	78.1	76.2	74.1	69.4	115.6
(1147. RAD/SEC)	6300	91.8	93.3	93.4	92.9	92.1	90.9	88.7	87.3	84.1	82.9	81.4	75.7	122.4
NEB 1007. RPM	8000	92.3	93.8	94.4	94.1	93.5	92.5	90.2	89.2	86.2	84.0	83.4	77.4	124.1
(1005. RAD/SEC)	10000	97.9	96.4	95.8	96.8	96.4	95.9	93.5	92.6	89.4	88.1	86.7	81.0	127.1
NO. OF BLADES 18	12500	94.1	95.4	94.8	94.3	93.5	94.5	92.6	91.1	89.0	87.0	85.9	79.6	126.0
FAN TIP SPEED	10000	92.1	92.3	92.8	93.1	94.1	93.6	91.3	89.8	88.5	85.7	85.0	78.5	124.9
599. FT/SEC	20000	92.1	92.6	92.3	93.2	93.2	92.6	90.6	87.5	87.5	84.6	84.6	78.9	124.7
	25000	90.5	90.3	93.9	92.3	92.1	91.2	89.3	87.1	85.7	82.0	81.8	77.4	124.0
	31500	89.8	90.1	87.4	89.3	89.8	89.1	86.5	83.2	83.1	80.6	78.9	74.0	122.5
	40000	87.1	87.6	87.4	87.2	87.6	86.4	84.6	79.7	81.0	77.2	76.2	71.9	121.6
OVERALL MEASURED														
OVERALL CALCULATED		103.9	103.0	104.4	104.2	103.9	103.1	101.0	100.0	97.9	96.1	94.7	89.5	135.1
PNDN		115.3	117.5	116.3	115.6	114.2	113.5	111.6	112.3	109.5	108.3	106.0	101.5	

Run 14/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 99 DAY 0 HR: 0.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.
	(0.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	32.7	40.1	43.9	47.3	47.0	47.7	50.3	49.2	49.1	53.4	48.6							
	63	37.1	44.2	47.4	50.3	52.4	52.4	54.4	52.6	50.7	55.1	46.9							
SIDELINE 500. FT.	80	39.6	47.3	50.2	53.0	54.1	55.9	57.4	56.6	55.5	54.4	50.7							
(152.40 M)	100	42.4	50.1	53.8	55.0	55.4	56.1	56.2	54.2	52.9	52.7	50.2							
NFA 3095. RPM	125	42.3	52.8	56.6	57.6	59.5	60.6	57.7	56.2	53.8	52.2	51.2							
(324. RAD/SEC)	160	36.9	45.8	49.6	51.2	53.2	54.5	55.4	55.1	54.8	54.1	50.1							
NEK 3086. RPM	200	37.7	46.2	49.6	53.8	54.6	54.9	55.0	52.6	52.5	51.8	47.8							
(323. RAD/SEC)	250	36.7	45.1	50.8	55.7	57.1	57.2	57.6	54.9	55.1	53.7	48.9							
NFD 3244. RPM	315	35.5	43.9	47.5	53.6	54.8	55.6	55.7	53.9	52.0	49.4	44.6							
(340. RAD/SEC)	400	34.3	40.6	49.4	52.3	54.3	53.7	55.8	53.4	51.4	47.9	42.1							
AIRFLOW RATIO	500	34.3	47.3	50.3	51.5	52.6	52.7	51.8	49.8	47.8	45.6	42.3							
WF/WM 12.60	630	34.3	44.4	49.4	51.7	52.6	52.3	51.4	50.4	47.6	45.4	41.1							
	800	35.1	45.4	50.5	53.7	55.9	55.3	55.3	52.8	51.9	49.0	44.0							
VEHICLE UTWSIM	1000	49.9	59.8	65.7	67.5	69.5	69.9	72.9	69.5	66.5	65.5	60.2							
CONFIG	1250	56.5	47.5	54.8	58.3	58.6	58.6	59.2	57.1	56.4	53.4	48.3							
LOC SCHENECTADY	1600	31.9	45.9	52.4	56.1	57.0	57.3	56.9	55.7	54.0	51.6	46.3							
DATE 06-02-75	2000	37.1	51.8	59.9	62.7	64.3	63.9	63.4	61.2	60.2	58.5	52.1							
RUN 14/10	2500	37.0	51.5	59.4	63.4	65.4	65.0	65.2	62.9	61.9	60.2	53.4							
TAPE X00000	3150	33.5	51.9	60.6	65.3	68.0	67.6	67.9	65.4	64.5	62.8	56.4							
FAN TIP SPEED	4000	26.2	46.7	56.3	62.8	65.3	65.6	65.4	64.2	62.4	61.6	54.0							
999. FT/SEC	5000	19.7	43.1	53.9	60.7	63.9	63.9	62.9	63.3	60.8	59.8	52.5							
	6300	9.4	37.7	50.6	57.3	60.7	61.4	59.9	60.6	58.2	57.9	51.2							
	8000		23.1	44.5	52.2	56.2	57.3	57.0	56.6	53.3	52.7	47.3							
	10000		15.5	34.2	44.5	49.7	50.7	49.7	50.8	48.7	46.7	43.5							
OVERALL CALCULATED		53.0	63.4	69.7	73.2	75.3	75.2	76.1	74.2	72.8	70.9	65.3							
PND8		59.7	73.6	81.8	86.4	88.8	88.7	88.9	87.6	85.6	84.0	77.8							

Run 14/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 08 DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (ARC RADIANS)

SPL INPUT AT STD

	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	PWL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
	50	66.6	68.1	67.1	67.1	69.1	70.3	69.6	68.1	66.3	67.6	67.3	65.3		101.6
	63	69.0	73.8	74.3	73.8	74.5	75.3	73.8	74.5	73.8	77.3	75.0	72.8		102.4
RADIAL 17. FT.	80	64.4	66.9	66.9	66.4	68.1	68.9	72.9	74.4	74.4	74.4	75.4	72.6		107.0
(5. M)	100	67.9	67.4	66.9	64.9	62.9	64.4	56.9	69.1	69.9	70.9	71.4	69.4		102.6
VEHICLE UTHSIM	125	77.7	77.4	76.2	74.2	74.2	72.7	72.2	71.9	72.9	72.2	73.4	74.2		107.1
CONFIG	160	76.9	75.4	74.9	75.4	75.9	74.4	72.4	72.9	71.6	70.6	72.4	70.9		106.9
LUC SCHEMECTADY	200	78.8	80.5	80.2	78.5	78.7	79.8	76.2	79.7	77.0	74.7	73.7	71.2		111.1
DATE 08-02-75	250	85.5	84.8	84.2	82.7	82.7	82.8	81.7	82.3	81.5	80.5	79.2	75.7		113.1
RUN 14/11	315	89.8	89.5	88.5	87.5	85.7	83.5	83.0	81.8	80.7	80.5	79.2	77.0		117.0
TYPE X00340	400	89.4	89.9	89.6	89.7	84.9	84.4	82.9	81.4	80.4	77.4	75.6	74.6		113.6
BAR 29.7 HG	500	81.8	84.1	83.8	82.6	81.6	80.3	79.5	75.9	77.1	75.8	74.1	70.6		112.8
(00292. N/H2)	630	84.4	84.4	84.9	84.0	83.2	82.5	80.9	79.7	76.5	75.2	74.5	71.2		114.5
TAHO 82. DEG F	800	86.0	85.3	84.5	84.0	83.8	83.3	81.7	80.3	79.3	77.5	77.8	74.8		114.8
(290. DEG K)	1000	84.4	83.9	80.4	79.5	81.7	82.0	81.2	79.8	77.4	74.0	72.5	68.9		113.7
TAET 59. DEG F	1250	77.3	82.8	83.5	82.1	80.3	82.1	80.2	79.2	78.3	77.0	74.0	69.8		113.0
(288. DEG K)	1500	81.1	81.6	82.6	82.3	79.9	79.2	78.3	75.7	73.9	72.4	69.6	65.9		111.2
WACT 5. GM/H3	2000	83.2	83.2	82.7	81.9	80.6	79.8	77.1	74.9	72.2	70.3	68.5	65.5		113.9
(1. KG/H3)	2500	81.6	80.5	79.1	86.6	85.0	83.7	81.6	80.0	74.7	74.0	71.6	68.2		116.1
NPA 11337. RPM	3150	101.4	93.9	101.1	97.1	100.8	95.0	92.8	92.1	88.7	86.5	85.7	80.7		128.4
(1187. RAD/SEC)	4000	92.3	91.0	92.1	88.6	91.1	87.0	84.8	83.1	80.4	78.5	77.4	72.4		119.0
NPK 11394. PPM	5000	89.8	88.8	89.3	86.6	86.3	84.5	82.5	80.8	75.1	76.7	75.1	70.2		119.6
(1184. RAD/SEC)	8300	97.3	95.8	98.2	95.9	96.9	95.4	92.7	91.5	88.3	86.4	84.9	80.4		125.6
MED 11517. RPM	8000	91.5	91.8	93.2	92.4	92.5	91.0	86.7	87.2	84.2	82.3	80.7	76.4		122.4
(1205. RAD/SEC)	10000	95.9	96.6	97.0	98.0	97.1	96.2	93.5	92.3	89.1	87.4	85.2	80.3		127.5
NO. OF BLADES 18	12000	95.4	95.4	94.5	96.0	95.2	95.0	93.1	91.1	89.3	86.7	84.9	79.4		126.3
PAN TIP SPEED	16000	93.3	93.3	93.3	94.8	95.3	95.1	93.3	93.3	89.7	87.2	85.5	79.5		126.4
990. FT/SEC	20000	93.1	93.4	93.5	95.0	95.4	93.8	92.6	89.0	89.7	86.3	85.4	79.3		126.3
	25000	91.5	91.5	93.4	94.0	94.6	92.9	91.8	89.3	87.2	84.8	83.0	78.1		125.2
	31500	91.1	91.6	91.1	92.1	93.1	91.9	89.0	85.9	85.3	82.9	80.7	74.8		125.1
	40000	88.6	88.8	89.4	90.0	90.1	89.1	87.1	82.7	84.0	75.7	77.7	73.2		124.1
OVERALL MEASURED															
OVERALL CALCULATED		106.7	105.6	106.5	105.7	106.4	104.5	102.5	100.6	98.6	96.5	95.0	90.3		136.7
PWDB		119.9	118.2	119.6	118.8	118.8	115.0	113.0	112.0	109.1	107.2	106.1	101.8		

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OF POOR QUALITY

Run 14/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 06 DAY 8 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 76 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (ARC RADIUS)

SPL INPUT AT STD	FREQ. (C)	ANGLES FROM INLET IN DEGREES (ARC RADIUS)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
50		37.9	45.1	47.9	53.0	53.3	52.5	53.8	52.9	52.1	53.7	51.8	
63		42.3	49.9	52.6	55.0	57.6	58.1	59.7	58.1	56.3	54.8	51.9	
SIDELINE 590. FT. (152.40 M)	80	45.8	53.3	56.5	59.3	60.4	61.4	62.7	62.4	61.5	60.1	56.2	
100		49.9	57.1	60.8	62.0	61.6	62.4	62.0	61.5	61.4	60.0	57.2	
NFA 3193. RPM (334. RAD/SEC)	125	45.5	53.7	58.6	60.8	62.3	62.1	61.4	59.9	56.1	56.2	54.7	
160		42.9	51.3	55.1	57.2	57.9	58.5	58.6	57.4	56.3	54.4	50.4	
NFK 3134. RPM (333. RAD/SEC)	200	42.5	51.9	56.1	58.5	59.8	59.7	59.3	58.6	55.5	54.6	50.8	
250		42.4	51.9	55.3	58.7	60.4	60.2	59.6	59.1	57.6	57.7	53.4	
NFD 3244. RPM (340. RAD/SEC)	315	43.2	48.2	50.8	56.3	58.8	59.4	59.9	57.1	52.8	52.1	48.1	
400		39.0	48.6	52.9	54.5	58.5	58.2	58.1	57.7	56.6	53.4	42.6	
AIRFLOW RATIO WF/WH 12.60	500	35.8	47.0	52.3	53.8	55.3	58.0	54.5	53.1	51.8	48.8	44.5	
630		36.3	46.4	51.6	54.0	54.8	54.9	53.1	51.1	49.4	47.4	43.8	
800		43.3	52.9	55.7	58.0	59.1	58.6	58.3	53.3	52.8	50.3	46.2	
VEHICLE BTWSM 1000		47.2	63.1	65.7	73.3	70.0	69.5	69.8	67.0	65.0	64.0	58.4	
CONFIS 1250		32.5	53.9	56.5	63.0	61.6	61.1	60.5	58.4	56.7	55.4	49.8	
LOC SCHENECTADY 1600		35.1	43.0	53.6	57.6	58.5	58.3	57.7	56.7	54.5	52.6	47.1	
DATE 06-02-75 2000		41.6	56.5	62.0	67.4	58.8	67.9	67.7	65.4	63.7	62.0	56.9	
RUN 14/11 2500		33.0	50.2	57.6	62.4	63.9	63.5	63.2	61.9	59.2	57.4	52.4	
TAPE X00060 3150		33.7	52.0	61.8	66.0	68.2	67.6	67.7	65.2	63.7	61.3	55.7	
FAN TIP SPEED 4000		26.2	46.5	57.8	62.6	65.3	66.1	65.4	64.4	62.1	60.6	53.7	
5000		28.7	44.1	55.6	62.0	65.4	65.0	64.3	64.5	62.3	60.3	53.5	
900. FT/SEC 6300		13.2	38.7	52.4	59.5	62.0	63.4	61.4	62.3	59.9	58.7	51.7	
8000			30.6	47.3	54.7	57.9	59.8	59.2	58.1	56.9	54.6	48.0	
10000			17.3	37.0	47.8	52.4	53.2	52.4	53.0	51.0	48.4	41.2	
OVERALL CALCULATED		56.0	67.0	71.5	76.8	76.9	76.3	76.5	74.8	73.2	71.6	66.8	
PN03		61.0	76.3	83.6	88.2	90.0	89.8	89.5	87.7	86.0	83.9	78.4	

Run 14/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE - MONTH 19 DAY 8 HR: 0.8

MODEL SOUND PRESSURE LEVELS (99, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	0.	10.	20.	30.	40.	5-	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	P4L
FREQ. (9.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	64.8	65.6	64.8	64.3	65.8	67.1	65.1	65.6	64.3	66.1	66.6	63.8						93.2
63	69.5	73.3	73.5	73.8	74.0	75.8	73.8	74.9	73.5	76.0	75.3	72.8						103.3
RADIAL 17. FT.	80	64.4	66.1	65.9	66.9	67.0	68.6	72.6	73.6	73.4	75.4	74.7						100.3
(5. M)	100	63.4	62.2	62.9	61.2	58.4	59.9	62.7	65.4	63.9	64.6	65.6						97.4
VEHICLE UTMSIM	125	70.7	70.9	71.9	69.7	67.4	66.4	69.0	67.7	69.4	70.2	71.7						103.7
CONFID	160	71.9	67.9	69.1	68.6	69.6	68.4	67.4	71.6	65.9	68.1	70.6						102.9
LOC SCHENECTADY	200	71.5	73.0	73.0	71.2	71.7	72.2	72.0	72.0	70.2	67.5	68.0						104.4
DATE 8-22-75	250	77.5	76.3	76.2	75.2	74.7	74.7	74.7	75.5	73.5	73.0	72.5						107.7
RAW 14/12	315	78.3	76.8	77.7	77.3	75.2	73.8	72.7	75.5	71.1	70.7	70.5						107.1
TYPE X00060	400	77.4	77.1	77.4	76.7	76.1	76.2	74.9	74.9	71.9	70.1	69.6						107.7
BAR 29.7 HG	500	76.1	75.9	75.5	74.6	73.3	73.3	72.1	72.0	71.3	69.0	68.6						105.7
(10222. N/M2)	630	74.9	74.7	75.2	74.5	74.2	74.8	73.7	73.9	71.2	70.2	69.7						105.4
YARD 62. DEG F	800	75.8	77.0	76.2	76.3	77.3	77.0	77.5	76.5	72.0	72.0	73.3						107.1
(220. DEG K)	1000	80.4	79.7	78.2	77.2	78.5	77.0	76.9	76.3	73.4	73.0	72.2						109.3
THEY 56. DEG F	1250	79.0	78.5	77.3	78.6	78.8	78.1	77.0	74.2	71.8	70.3	69.3						101.8
(288. DEG K)	1600	50.1	75.4	79.3	77.0	77.2	79.9	75.1	70.4	70.9	69.9	67.6						103.2
FACT C. 60/M3	2500	80.7	79.4	79.2	79.9	78.3	78.3	76.6	78.1	73.7	71.3	68.7						107.7
(1. KG/M3)	2500	84.1	83.1	83.9	86.1	84.8	83.0	81.1	77.9	76.4	77.2	74.1						111.7
N/A 11402. RPM	3150	96.9	97.4	97.4	98.1	99.1	97.3	95.1	93.3	91.7	88.5	87.7						121.3
(1194. RAD/SEC)	4000	88.5	89.3	90.3	89.1	91.3	89.3	87.3	85.1	83.9	81.0	79.9						121.4
N/A 11369. RPM	500	86.1	86.3	85.6	85.1	84.1	83.0	82.0	81.8	79.4	77.3	75.4						115.3
(1190. RAD/SEC)	6300	91.8	91.8	91.9	92.4	91.6	89.7	87.7	87.5	85.6	83.9	82.1						121.3
N/A 11517. RPM	8000	92.3	92.3	91.9	93.6	93.5	90.5	87.4	87.4	84.7	83.0	81.2						121.9
(1405. RAD/SEC)	10000	94.9	95.9	95.3	95.5	94.9	93.7	92.3	91.6	88.5	87.1	85.7						123.7
N/A OF PLATES 12	12500	93.9	94.4	93.3	94.2	93.7	93.3	91.3	89.8	88.3	86.0	84.6						124.9
FAN TIP SPEED 16000	20000	92.1	92.3	92.3	92.5	92.8	92.4	90.3	88.3	87.5	85.3	84.5						124.0
975. FT/SEC	25000	91.1	91.6	91.8	92.2	92.4	91.3	89.3	86.3	86.5	83.6	82.6						123.7
31500	89.8	89.0	89.7	91.8	90.8	89.4	87.9	85.6	84.4	81.3	81.0	78.4						122.9
40000	86.8	87.1	86.6	86.5	86.6	84.9	82.9	79.2	80.8	77.0	75.0	71.9						120.6
OVERALL MEASURED		103.2	103.7	103.3	103.3	103.9	102.7	100.7	99.1	97.6	95.3	94.3						134.5
OVERALL CALCULATED		115.4	115.8	115.7	114.7	116.4	115.0	113.0	111.8	109.9	107.5	106.4						

Run 14/Resulting 12

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROG. DATA - NORTH AVENUE 2 1975 218

FULL SCALE SOURCE PARAMETERS	CALCULATED FROM SOURCE DATA (SEE LISTING FOR PERCENT REL. DIFF. DATA)									
	20	30	40	50	60	70	80	90	100	110
DPL INPUT AT STD	30.4	37.0	42.3	46.8	50.7	54.2	57.3	60.0	62.4	64.5
SCHECTADY 500. FT.	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
W/A 2000. RPM	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
(337. RAD/SEC)	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
W/K 2000. RPM	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
(337. RAD/SEC)	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
W/D 2244. RPM	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
(367. RAD/SEC)	34.9	42.7	47.4	51.9	55.8	59.3	62.4	65.1	67.5	69.6
AIRFLOW RATE	32.6	42.0	47.3	51.7	55.6	59.1	62.2	64.7	66.9	68.8
W/KA 12.00	32.6	42.0	47.3	51.7	55.6	59.1	62.2	64.7	66.9	68.8
VEHICLE UTMSH 1000	47.7	57.3	64.7	71.9	77.7	82.1	85.3	88.0	90.3	92.1
CONF 1000	30.3	36.3	41.0	44.3	47.0	49.3	51.2	52.8	54.2	55.4
LOC SCHECTADY 1000	33.1	43.2	48.1	52.3	55.8	58.8	61.4	63.7	65.7	67.4
DATE 06-02-75 2000	35.6	45.3	50.2	54.2	57.6	60.5	63.0	65.1	66.9	68.4
REV 14/12 2000	33.9	43.3	48.2	52.4	55.9	58.9	61.5	63.8	65.8	67.5
TAPT X00060 3100	33.0	42.3	47.2	51.4	54.9	57.9	60.5	62.8	64.8	66.5
PAN TIP SPEED 4000	25.2	45.7	50.0	54.1	57.6	60.6	63.2	65.5	67.5	69.2
925. FT/SEC 5000	19.7	42.6	46.4	50.5	54.0	57.0	59.6	61.9	63.9	65.6
6300	8.4	36.9	40.6	44.6	48.0	50.9	53.4	55.6	57.5	59.2
8000		27.9	44.0	48.0	51.4	54.3	56.8	58.9	60.7	62.3
10000		15.0	33.7	37.3	40.3	42.7	44.6	46.1	47.4	48.5
OVERALL CALCULATED	51.0	62.9	68.7	74.3	78.6	82.4	85.7	88.6	91.1	93.2
PHDB	57.9	72.3	80.7	89.4	97.4	104.7	111.4	117.5	123.0	128.0

Run 14/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 99 DAY 0 HR: 0.0

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)											PNL		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		110.	120.
50	66.1	67.3	68.8	66.8	68.8	70.1	68.1	67.3	67.3	66.1	69.2	68.6	102.0		
63	70.0	73.0	74.3	74.3	75.5	76.3	74.5	74.5	74.0	76.8	75.3	73.2	103.7		
RADIAL 17. FT. (3. M)	80	65.4	68.6	66.1	65.9	67.6	68.9	72.6	74.1	74.1	75.6	75.4	72.4	106.7	
VEHICLE UTWSIM	100	66.6	65.1	65.5	63.2	61.4	63.2	64.9	66.6	67.6	68.1	65.6	67.1	108.2	
CONFID	125	75.4	75.4	74.7	72.7	71.9	70.7	71.2	69.7	71.9	71.5	73.2	74.2	109.1	
SCHEMECTADY	150	75.4	73.9	73.4	73.6	73.6	71.9	70.6	71.6	70.6	71.6	72.6	71.4	105.6	
DATE 10-02-75	200	78.3	80.3	80.2	78.1	77.7	78.2	77.2	79.5	75.5	73.7	72.2	73.0	111.5	
RUN 14/13	250	83.8	83.3	85.0	81.2	80.7	80.2	80.2	80.5	80.3	78.7	77.5	74.5	113.5	
TYPE X00050	315	86.5	87.5	86.0	84.5	83.0	81.3	80.2	79.8	78.7	78.0	77.2	74.7	114.6	
BAR 29.7 HG	400	83.9	83.9	83.6	83.2	83.4	83.4	81.4	79.9	75.1	76.4	75.6	74.1	114.2	
(80292. N/M2)	500	81.3	82.1	81.8	80.8	79.1	78.1	77.3	77.1	75.6	73.3	72.3	68.3	110.8	
TARE 62. DEG F	630	83.7	83.7	81.2	79.7	79.7	79.3	78.4	77.7	74.5	73.0	72.2	64.4	111.9	
(270. DEG K)	800	82.3	81.8	80.7	80.3	80.6	81.1	80.0	79.3	77.0	74.3	73.5	70.8	112.1	
(1250. DEG F)	1000	86.2	85.2	85.4	81.2	82.7	83.0	81.7	81.6	77.7	77.7	77.5	69.7	114.4	
(288. DEG K)	1250	81.5	82.5	84.5	82.8	83.3	81.1	79.7	79.2	76.0	75.3	75.5	72.3	113.3	
MACT 3. G0/M3	1500	82.9	82.4	82.6	80.7	79.7	78.9	76.6	77.9	76.4	75.4	75.4	71.6	111.9	
(1272. RAD/SEC)	2000	81.7	81.4	80.9	79.6	80.6	80.5	78.1	77.3	74.5	73.8	71.2	66.5	111.1	
NEA 12140. RPM	2500	82.9	85.4	84.6	84.8	85.5	82.5	82.1	80.5	77.4	76.0	72.9	67.9	114.9	
(1208. RAD/SEC)	3150	93.7	93.4	93.9	94.4	94.8	91.3	91.3	89.6	87.7	87.3	82.7	79.5	102.9	
NEK 12111. RPM	4000	97.8	97.8	101.1	98.9	101.8	95.3	96.0	94.4	92.4	92.2	88.1	84.7	109.7	
(1208. RAD/SEC)	5000	87.6	87.8	87.1	85.9	85.8	84.3	83.1	82.8	81.4	78.7	76.4	70.5	116.6	
NEF 11517. RPM	6300	91.5	93.0	91.4	90.9	90.4	90.9	89.2	87.3	84.8	82.9	81.9	75.7	121.8	
(1208. RAD/SEC)	8000	94.8	95.4	94.6	95.0	95.8	93.2	93.2	91.7	82.7	87.5	83.7	80.1	119.1	
NO. OF BLADES 18	10000	94.9	95.0	94.5	94.5	94.4	92.7	91.0	91.1	86.4	86.1	85.2	79.3	115.1	
FAN TIP SPEED	12000	94.6	94.6	94.0	94.7	94.4	93.3	91.8	90.3	89.0	88.0	84.6	78.6	125.2	
1000. FT/SEC	15000	93.6	93.8	94.3	93.8	94.3	93.6	91.3	89.3	89.0	86.0	86.0	79.5	125.4	
25000	92.9	93.4	93.5	94.2	93.9	92.6	91.3	89.0	88.0	85.1	85.4	76.5	125.3		
31500	92.3	92.3	92.2	93.5	92.8	91.2	89.5	87.1	85.4	82.3	82.5	77.9	124.5		
40000	91.3	91.3	90.0	90.6	91.3	90.1	87.5	83.9	84.3	81.6	80.2	75.3	121.8		
OVERALL MEASURED	86.8	89.1	89.4	88.5	88.6	87.1	85.4	81.2	82.3	79.0	77.0	73.4	122.8		
OVERALL CALCULATED	104.7	103.3	105.9	105.0	106.1	103.6	102.4	100.5	98.9	97.4	95.6	91.0	130.2		
PN08	117.8	117.3	119.1	117.4	119.3	114.9	114.8	113.4	111.4	110.8	107.8	104.1			

Run 14/Reading 13

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 29 DAY 8 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (56. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		0. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)
50		36.4	43.6	48.1	50.8	50.8	50.7	52.5	51.9	52.1	53.9	52.3
63		42.6	49.9	52.1	54.6	56.9	57.1	59.9	57.6	55.0	53.3	50.6
SIDELINE 500. FT. (152.40 M)	83	44.3	52.1	55.0	57.3	53.6	59.9	63.9	60.9	59.8	58.4	54.9
NEA 3421. RPM (359. RAD/SEC)	100	47.9	54.6	57.8	59.2	59.4	59.6	63.0	59.5	58.9	58.0	55.0
NEA 3411. RPM (357. RAD/SEC)	125	43.5	51.7	56.1	59.3	61.3	60.6	59.9	50.7	57.1	56.2	54.2
NEA 3411. RPM (357. RAD/SEC)	150	43.9	49.3	53.4	54.7	55.7	56.2	56.9	55.9	53.8	52.6	48.6
NEA 3411. RPM (357. RAD/SEC)	200	39.6	48.2	51.9	55.0	56.6	57.2	57.3	54.6	53.2	52.3	48.0
NEA 3411. RPM (357. RAD/SEC)	250	38.9	47.1	52.0	55.7	58.1	56.5	54.6	56.9	54.3	53.4	50.1
NEA 3244. RPM (340. RAD/SEC)	315	42.5	51.2	52.5	57.3	59.8	59.9	59.7	57.4	57.5	57.1	49.8
NEA 340. RPM (340. RAD/SEC)	400	37.1	49.6	53.4	57.5	57.5	57.7	53.1	55.4	54.9	54.9	51.1
AIRFLOW RATIO WF/M 12.63	500	35.6	47.1	51.0	53.5	55.1	54.2	56.6	55.6	54.3	54.6	50.3
	600	34.5	44.6	49.4	54.0	56.3	55.5	55.6	53.4	52.9	50.1	44.8
VEHICLE UTWSIM 1800	800	45.1	58.7	63.6	69.3	66.7	68.4	67.6	66.3	66.1	61.3	57.5
VEHICLE UTWSIM 1250	1000	45.8	63.1	67.5	74.3	70.3	72.7	72.1	70.8	70.3	66.5	62.5
VEHICLE UTWSIM 1250	1250	36.4	45.1	53.8	57.3	53.8	59.3	63.2	59.4	56.9	54.4	48.3
LVC SCHEMECTADY 1600	1600	32.4	51.2	58.3	61.7	64.9	65.3	64.2	62.4	60.7	59.5	52.6
DATE 16-02-75	2000	41.0	53.9	60.8	65.6	63.5	68.5	67.2	65.9	64.7	62.6	56.8
RUN 14/13	2500	37.0	51.7	60.1	64.4	65.7	66.7	67.2	65.2	63.2	62.0	55.2
TAPE X00800	3150	31.9	47.2	58.3	63.1	65.5	66.1	65.9	64.3	62.5	61.2	54.4
FAN TIP SPEED 4000	4000	25.0	46.3	55.9	62.0	64.7	64.6	64.3	64.5	61.7	61.5	54.2
FAN TIP SPEED 1000. FT/SEC	5000	21.2	44.3	55.5	61.0	63.2	64.3	62.5	63.2	60.6	60.6	54.0
	6000	9.4	38.0	51.3	57.6	60.0	61.0	61.1	59.4	56.5	56.5	50.9
	8000		29.3	43.7	52.4	56.8	56.5	54.8	56.2	53.3	52.1	46.1
	10000		16.8	34.7	44.7	49.8	51.0	49.0	51.9	48.4	46.0	41.3
OVERALL CALCULATED		55.1	66.8	71.9	77.5	76.9	77.8	77.3	76.2	75.1	72.8	67.8
PNSR		63.8	75.2	82.3	87.1	89.2	89.4	89.1	87.9	86.1	84.8	78.6

Run 14/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 30 DAY 0 HR: 0.0
MODEL SOUND PRESSURE LEVEL (DB, DEG. F, 70 PERCENT REL. HUMID. DAY)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVEL (DB, DEG. F, 70 PERCENT REL. HUMID. DAY)														
	ANGLE FROM INLET IN DEGREE (AND RADIAN)														
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
FREQ.	(0.1)	(0.17)	(0.25)	(0.35)	(0.52)	(0.70)	(1.0)	(1.41)	(1.9)	(2.6)	(3.6)	(5.0)	(7.0)	(10.0)	(14.1)
RADIAL 17. FT.	59	63.8	65.3	65.6	64.8	66.3	67.6	65.3	65.6	66.3	66.6	68.6	67.8		100.4
(5. M)	63	69.8	73.8	74.8	74.5	75.5	76.8	74.5	74.8	75.6	76.8	75.6	75.0		105.8
VEHICLE (UTMSIM)	80	64.4	66.1	65.9	64.9	66.8	68.6	72.1	73.4	75.6	75.4	74.4	74.4		116.2
CONFID	100	61.9	61.7	63.2	60.7	58.4	59.9	61.9	63.2	63.2	63.7	64.4	63.4		95.4
LOC NONRECTASY	125	69.7	69.4	71.2	69.2	65.9	65.4	69.2	66.2	69.4	68.9	71.9	73.2		133.6
DATE 10-22-75	160	71.4	69.4	69.9	67.6	68.9	67.9	66.6	69.4	68.6	68.4	70.6	68.1		142.6
RUN 14/14	200	72.0	73.8	75.5	74.5	75.5	77.0	77.7	74.5	75.5	75.3	76.6	69.2		153.6
TYPE X80050	250	73.0	72.3	72.5	71.3	70.5	70.2	70.2	70.4	69.5	69.5	69.2	66.7		161.7
BAY 29.7 HG	315	73.5	74.3	73.5	72.3	71.2	70.5	69.3	69.5	68.5	67.2	66.7	65.3		168.4
(0292. N/H2)	400	76.6	76.6	75.6	74.2	74.4	74.7	74.6	72.6	70.9	70.1	69.1	68.4		173.4
TANK 62. DEG F	500	73.6	73.3	72.5	70.6	70.1	69.6	69.8	71.5	68.6	66.8	66.6	64.1		162.8
(293. DEG K)	630	73.7	73.7	73.4	72.3	72.2	72.0	71.2	71.7	69.7	67.2	67.2	65.2		174.1
TWET 59. DEG F	800	73.0	73.5	74.0	73.3	73.8	74.6	73.2	73.9	70.5	69.6	68.6	65.3		179.7
(238. DEG K)	1000	81.2	81.4	81.7	79.5	80.7	77.0	79.2	81.1	76.2	75.7	73.7	66.7		191.6
HACT 3. CM/H3	1250	78.3	77.8	77.2	77.5	77.3	77.1	76.2	77.4	73.8	74.5	72.3	67.3		197.3
(KT/H3)	1500	78.4	75.9	75.3	73.5	73.2	73.2	73.2	73.4	72.4	72.2	71.1	67.4		193.5
NO. OF BLADES 18	2000	79.4	77.2	77.4	77.6	79.6	76.3	76.1	75.3	72.8	70.5	69.6	64.2		199.9
FAW TIP SPEED	2500	81.4	81.6	82.4	82.3	82.3	81.2	79.1	77.8	76.4	75.0	72.6	66.9		191.5
1000. FT/SEC	3150	93.2	94.9	93.6	92.4	89.3	87.3	88.3	87.3	85.4	86.8	82.4	76.3		221.3
	4000	95.3	99.5	93.6	97.1	93.6	90.5	92.8	91.4	89.7	90.5	87.1	80.4		229.3
	5000	84.8	85.6	85.3	84.4	84.1	82.3	82.3	81.1	79.6	77.7	75.9	69.7		185.1
	6300	87.3	89.8	88.9	83.2	88.4	87.9	84.7	84.3	82.1	81.1	80.1	73.7		198.9
	8000	91.5	93.3	93.2	91.7	92.3	92.6	88.9	88.2	85.7	84.5	83.5	77.9		192.0
	10000	92.1	92.4	92.0	92.3	91.9	90.9	89.3	88.3	85.6	84.4	83.7	77.8		192.7
	12500	91.6	92.4	91.5	91.5	91.2	90.5	88.3	85.8	85.0	83.5	83.1	76.9		192.3
	15000	90.8	91.3	91.0	91.2	91.6	90.6	88.6	85.5	85.7	82.3	83.5	77.5		192.5
	20000	90.4	91.1	91.3	91.5	90.9	89.6	86.1	84.3	83.0	81.8	82.7	77.3		192.3
	25000	89.8	89.0	87.4	91.5	89.8	88.4	86.0	83.6	82.4	81.5	79.8	76.1		192.6
	31500	88.6	88.3	87.9	87.3	86.1	84.9	84.3	81.2	81.1	78.4	77.9	74.8		193.8
	40000	85.6	85.6	85.9	85.2	85.1	84.1	82.1	77.7	79.5	74.5	74.5	72.2		189.5
OVERALL MEASURED															189.1
OVERALL CALCULATED	102.8	103.8	103.2	102.5	101.5	100.2	99.1	97.5	96.0	93.2	93.7	88.3			133.1
PNO3	115.7	116.8	116.1	114.9	112.7	110.6	111.5	110.4	108.5	108.7	106.1	106.4			

ORIGINAL PAGE IS
OF POOR QUALITY

Run 14/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE - MONTH 39 DAY 9 HR: 0.8

SPL INPUT AT STD	FREQ. (0.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
		ANGLES FROM INLET (IN DEGREES (AND RADIANS))											
		0.	15.	30.	45.	60.	75.	90.	105.	120.	135.	150.	180.
50		32.2	41.1	42.1	46.0	46.8	46.7	51.3	49.0	49.8	51.9	53.0	
60		35.6	45.2	46.6	52.3	55.6	57.6	59.2	54.6	51.2	49.1	46.9	
SIDELINE 900. FT. (152.43 M)	100	34.4	42.1	45.3	47.5	48.6	48.4	49.7	49.2	46.1	47.5	45.2	
NEA 3418. RPM (359. RAD/SEC)	125	34.3	43.7	47.1	50.3	52.5	53.1	52.7	51.4	50.8	49.7	48.4	
NEA 3438. RPM (357. RAD/SEC)	200	32.1	40.0	43.1	45.7	47.2	48.7	51.4	45.9	47.3	46.9	43.9	
NEA 3244. RPM (340. RAD/SEC)	400	31.7	40.4	44.6	47.5	49.3	49.9	51.3	45.8	47.5	47.0	44.5	
NEA 3244. RPM (340. RAD/SEC)	250	30.7	40.4	44.6	48.7	51.6	51.7	53.1	51.4	49.1	47.9	44.6	
NEA 3244. RPM (340. RAD/SEC)	315	37.7	47.5	50.3	55.3	53.6	57.4	59.2	55.9	55.5	52.4	49.2	
AIRFLOW RATIO M/WM 12.60	500	35.0	44.3	48.4	51.5	53.5	56.2	56.3	53.2	54.1	51.4	48.5	
	639	33.1	40.8	45.3	52.0	52.1	55.0	54.1	51.0	51.5	51.3	46.1	
	800	30.3	41.1	47.4	53.0	54.1	53.5	54.1	50.9	49.9	47.9	42.6	
VEHICLE UTWSIM	1000	48.6	56.5	61.6	62.3	62.7	65.4	65.4	64.1	64.8	61.0	54.0	
CONFIG	1250	49.6	61.6	63.7	66.1	65.5	67.5	67.1	64.3	65.0	65.5	63.2	
LCC SCHENECTADY	1600	34.1	46.3	52.3	56.0	57.3	58.1	51.4	57.0	55.9	53.9	47.1	
DATE 09-02-75	2000	35.4	46.7	52.2	59.7	61.9	68.5	61.2	59.7	58.9	57.7	50.6	
RUN 14/14	2500	37.0	51.6	55.0	62.9	65.5	64.3	64.7	62.9	61.9	61.1	54.4	
TYPE X0J060	3150	33.2	49.2	57.6	61.9	63.9	64.2	64.5	62.5	61.5	60.5	54.2	
FAN TIP SPEED	4000	29.7	46.7	55.5	60.3	62.8	62.6	62.4	61.3	60.0	59.4	52.4	
1000. FT/SEC	5000	22.5	43.3	53.2	59.5	61.7	61.9	60.2	61.2	58.2	56.3	52.0	
	6300	19.0	41.8	52.7	58.0	60.2	61.1	59.3	60.2	57.4	57.8	52.2	
	8000	6.4	35.2	48.6	54.6	57.3	57.5	56.6	56.4	52.7	53.7	49.2	
	10000		26.3	43.4	49.2	52.8	53.0	52.0	52.9	50.6	46.8	44.8	
OVERALL CALCULATED	10500		13.3	31.5	41.2	46.0	47.7	45.5	46.6	44.9	43.5	40.0	
	PH05	52.7	63.5	69.2	71.8	73.2	74.4	74.3	73.1	72.9	70.8	64.5	
		53.9	71.0	79.2	82.6	85.5	86.1	86.0	84.7	83.5	82.5	76.2	

Run 14/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 47 DAY 8 HR: 0.0

MODEL SOUND PRESSURE LEVELS (99; DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (ASC RELATIVE)

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)																PWL		
	(0.)	(10.17)	(20.35)	(30.52)	(40.70)	(50.87)	(60.05)	(70.22)	(80.40)	(90.57)	(100.75)	(110.92)	(0.)	(10.)	(20.)	(30.)		(40.)	(50.)
50	67.1	66.1	65.1	65.9	66.6	67.3	66.8	65.6	65.3	65.8	66.3	71.1							102.4
63	70.5	74.3	74.5	74.8	76.0	76.3	74.5	74.5	74.3	76.5	74.5	75.5							103.7
RADIAL 17. FT.	83	54.6	65.4	65.4	64.9	67.4	68.4	72.4	73.6	73.1	75.1	74.4							100.1
(S. M)	100	62.9	61.7	62.2	60.7	58.9	60.2	61.9	64.4	63.2	63.2	63.9	68.1						97.4
VEHICLE UTMSIN	125	70.4	70.2	71.2	68.9	66.9	66.2	68.9	67.2	70.2	70.2	71.6	73.2						103.8
CUNPIC	160	72.1	69.9	67.1	60.4	69.1	58.1	67.4	70.4	69.1	69.1	71.4	73.4						103.2
LCC SCHEMESTADY	200	72.3	74.5	73.5	77.0	77.7	77.5	79.7	81.4	78.5	72.9	74.3	74.3						111.4
DATE 20-11-75	250	72.8	72.3	72.2	71.7	71.2	70.5	71.2	72.0	72.7	66.5	70.2	68.7						104.6
RLN 14755	315	73.0	73.9	72.5	73.5	70.7	49.8	66.5	67.3	67.7	67.0	67.0	66.6						102.7
TAPR	400	75.6	74.1	73.4	72.2	72.4	72.7	71.1	71.9	70.4	69.4	66.6	66.4						104.0
BR 27.7 HS	500	73.3	72.3	71.6	73.3	69.3	69.3	49.3	70.1	67.2	66.8	67.1	65.3						102.4
(0022. N/H2)	630	75.7	74.2	72.2	71.5	72.7	72.3	70.9	71.9	69.5	67.3	65.7	63.9						103.9
TAMP 02. DEG F	800	72.3	73.5	71.2	75.8	71.8	74.8	74.2	74.8	71.3	70.8	66.6	67.0						105.9
(290. DEG K)	1000	75.7	76.7	79.4	77.3	80.0	77.8	76.2	76.3	73.7	73.7	73.3	66.9						107.6
T-ET 53. DEG F	1250	75.8	75.3	75.5	75.8	76.6	78.1	77.7	75.2	74.5	74.3	70.5	65.6						109.9
(788. DEG K)	1600	76.4	74.1	77.8	73.2	77.7	71.9	79.6	75.4	75.1	79.4	75.9	67.9						111.7
MACT 0. GM/H3	2000	78.7	78.4	77.2	77.9	75.8	76.3	77.1	77.3	74.2	70.3	65.2	68.7						108.9
(1 KG/H3)	2500	81.1	82.1	82.9	81.1	79.8	78.7	79.1	78.8	75.2	74.7	71.1	66.2						111.6
MPA 12734. RPH	3150	86.4	87.2	87.6	86.4	86.1	85.0	83.3	83.6	81.4	80.8	78.7	72.5						117.1
(1333. RAD/SEC)	4000	93.5	97.0	97.6	95.1	96.1	95.3	92.8	93.4	85.7	86.5	86.6	79.7						125.9
MPK 12497. RPH	5000	83.1	83.3	83.3	82.4	83.4	81.8	79.8	73.6	77.6	76.0	74.4	62.7						113.4
(1329. RAD/SEC)	6300	86.5	87.9	86.7	85.4	85.1	84.2	81.9	81.5	79.8	78.6	77.4	71.9						119.0
MPD 11517. RPH	8000	92.3	92.3	92.2	93.6	93.3	90.5	87.2	86.9	83.2	84.3	84.2	78.1						121.7
(1206. RAD/SEC)	10000	90.6	93.4	89.5	89.1	88.6	87.7	86.0	84.8	83.4	82.4	81.4	76.3						117.3
NO. OF PLAGES 10	12000	91.1	91.6	89.8	89.7	89.7	88.8	87.1	86.1	84.8	83.2	82.6	76.6						121.9
FAN TIP SPEED	15000	89.6	89.8	89.0	88.5	89.1	88.4	85.8	81.8	83.2	81.2	81.5	76.5						120.2
1112. FT/SEC	20000	89.1	87.4	88.8	85.3	88.7	87.6	85.8	82.2	82.2	80.6	81.4	76.3						124.3
	25000	98.8	87.5	88.2	88.3	87.6	86.2	84.3	81.6	82.7	82.0	75.5	75.4						114.6
	31500	87.3	87.3	86.1	86.1	85.8	85.1	82.0	78.8	79.8	76.6	76.4	73.5						119.0
	40000	84.8	84.5	84.4	83.2	83.4	81.9	80.1	75.9	72.3	74.2	73.2	71.4						127.7
OVERALL MEASURED																			
OVERALL CALCULATED																			
PMDR	108.5	101.6	100.7	100.2	100.4	99.6	97.3	96.3	94.6	93.7	92.7	87.8							131.5
	112.2	114.3	113.5	112.8	113.4	112.7	110.4	109.4	107.6	107.1	105.5	100.8							

Run 14/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 07 DAY 0 HR: 0.0

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F, 70 PERCENT REL. HUM. DAY)											
		ANGLES FROM INLET (A DEGREES (AND RADIANS))											
SPL INPUT AT STD		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
FREQ. (C.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)
	50	32.4	39.3	42.9	46.3	47.0	47.5	51.3	50.4	50.6	52.7	51.3	
	63	36.3	43.2	51.1	54.6	56.1	59.6	62.4	59.6	54.7	55.6	54.6	
SIDELINE	500. FT.	33.3	41.3	45.5	47.8	48.9	49.9	53.2	51.6	50.5	51.1	49.2	
	(152.40 M)	100	33.4	41.1	44.8	47.0	47.9	47.9	49.5	48.5	47.8	47.7	46.2
NFA	3587. RPM	125	33.9	41.5	45.1	48.3	50.9	50.3	51.9	50.9	49.8	49.2	48.4
	(376. RAD/SEC)	160	31.1	38.5	42.9	44.9	46.9	48.2	49.9	48.1	47.3	47.4	45.1
NFK	3576. RPM	200	32.2	39.2	43.6	48.0	49.6	49.7	51.5	48.6	47.2	45.8	43.5
	(374. RAD/SEC)	250	27.7	37.6	42.5	46.7	51.9	52.7	54.1	51.6	50.8	48.7	46.4
NFD	3244. RPM	315	33.0	44.2	48.3	54.6	54.5	54.4	55.4	53.4	53.5	53.1	46.1
	(340. RAD/SEC)	400	38.5	40.6	46.6	50.8	54.5	55.7	54.1	53.9	51.9	49.9	44.6
AIRFLOW RATIO	500	28.3	42.3	43.5	51.5	58.1	57.2	57.1	55.3	58.8	55.1	46.5	
	MF/HM 12:60	630	31.5	40.9	47.6	49.2	52.1	54.9	56.1	53.1	49.9	47.1	47.1
	800	38.9	50.5	55.6	59.0	60.4	60.4	61.6	60.1	59.6	57.3	50.5	
VEHICLE	UTWSM	1000	47.3	57.6	63.7	68.6	70.0	68.7	68.1	67.0	67.6	65.0	57.5
CONFID	1250	31.9	44.3	50.3	55.8	56.3	56.1	55.9	55.6	54.2	52.4	46.1	
LUC	SCHENECTADY	1600	33.4	46.4	52.5	56.4	58.2	57.8	58.5	57.4	56.4	55.0	48.9
DATE	86-02-75	2000	36.5	50.6	56.8	60.9	64.8	62.5	63.5	62.4	61.7	61.4	54.6
RUN	14/15	2500	31.8	45.7	54.4	58.7	60.7	61.0	60.7	60.2	58.9	58.3	52.2
TYPE	X00060	3150	28.9	45.0	53.8	58.8	61.0	61.4	61.6	61.1	59.8	58.9	52.2
FAN TIP SPEED	4000	21.0	41.3	50.7	56.7	59.5	59.1	58.5	58.7	57.8	57.8	50.7	
	1112. FT/SEC	5000	17.2	38.9	50.2	55.9	58.2	58.8	57.8	57.7	56.1	56.6	51.0
	6300	4.9	34.3	46.3	52.3	55.0	55.5	54.6	54.6	52.2	52.5	48.4	
	8000		24.3	37.2	46.9	51.0	51.0	49.8	51.4	48.8	48.3	43.8	
	10000		11.8	29.5	39.4	43.8	45.7	43.8	47.1	43.7	42.3	39.3	
OVERALL CALCULATED		49.7	60.9	68.8	71.4	73.4	72.8	73.8	71.9	71.3	69.9	64.2	
	PNdB	56.2	69.7	76.7	81.7	84.1	84.2	84.4	83.7	82.6	81.6	79.9	

Run 14/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 94 DAY 8 HR. 0:0

MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD	A'GLES FROM I'LET IN DEGREES (AND RADIANS)																PWL	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.		0.
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(9)	(10)	(11)	(12)	(13)	
NACIAL 17, FT.	50	66.3	65.8	64.3	65.1	65.1	68.3	66.8	65.3	65.3	65.8	67.8	68.3	100.6				
(S, W)	63	69.3	73.8	74.0	74.3	75.3	76.0	74.0	74.2	73.8	76.3	74.8	73.8	103.4				
VEHICLE 125	80	63.6	63.6	64.9	64.5	67.1	68.1	71.6	73.5	73.1	75.1	74.1	71.6	105.9				
UTHSIM	150	60.9	63.7	61.2	59.2	58.9	59.2	61.4	62.2	63.2	63.7	63.9	63.2	95.5				
CONFIG	180	89.4	89.9	70.9	69.2	66.4	65.7	68.4	66.4	69.4	70.2	71.4	73.2	103.3				
LCC SCHEMECTADY	200	71.1	59.1	62.1	67.6	68.6	67.6	66.9	69.5	68.6	68.6	69.9	68.6	102.3				
DATE 06-02-75	250	71.0	73.5	72.5	76.2	77.0	76.2	79.2	81.5	78.2	73.0	73.7	73.5	113.0				
BLA 14/15	315	72.7	73.0	71.7	70.5	70.7	70.0	71.2	72.2	73.5	69.7	69.2	68.0	109.2				
TAPE XJ0000	400	72.5	73.2	72.2	71.2	70.2	69.8	68.0	69.2	68.0	67.0	68.2	65.5	102.5				
SAR 29.7 40	500	75.7	73.9	72.9	71.4	71.9	72.4	71.4	71.6	70.9	69.6	68.4	66.4	104.6				
(00292, 1/12)	630	72.1	72.3	71.0	69.3	68.8	68.1	68.5	69.6	69.1	67.1	66.3	64.3	101.6				
TAPB 621 DEG F	800	74.3	72.7	71.2	70.5	71.5	71.5	69.9	69.0	66.2	66.7	64.7	63.2	102.7				
(291 DEG K)	1000	71.1	73.0	70.7	70.3	71.3	73.8	73.5	73.0	71.5	70.0	67.6	65.8	104.9				
TWET 981 DEG F	1250	75.3	76.2	77.7	77.0	81.0	76.5	75.7	75.4	73.4	74.5	73.5	66.7	109.2				
(288 DEG K)	1500	75.4	74.8	75.2	75.6	76.6	78.1	77.6	74.2	73.8	73.8	70.3	64.3	102.4				
FACT 0, 01/43	2000	76.0	74.1	77.6	73.9	77.7	61.4	78.8	77.1	76.1	79.2	75.1	54.1	111.1				
(1, 02/43)	2500	78.8	79.0	76.9	77.9	75.3	76.0	76.9	74.4	74.0	70.3	67.7	64.7	105.2				
RFA 12741 RPM	3150	81.0	82.7	82.9	80.8	79.3	78.2	78.8	77.1	75.4	75.0	70.9	65.9	111.3				
(1334 RPM/SEC)	4000	86.0	87.2	87.4	86.1	85.8	84.8	83.6	82.9	81.4	80.5	75.2	71.7	116.9				
RFA 12744 RPM	5000	93.5	96.7	96.1	95.4	96.6	95.0	92.3	91.1	89.2	88.7	86.9	79.9	125.2				
(1335 RPM/SEC)	6300	82.5	83.7	83.1	82.1	82.6	81.3	79.8	78.5	76.9	75.7	73.9	68.9	113.8				
RFA 11517 RPM	8000	85.5	87.0	85.4	85.2	84.9	83.9	81.7	81.5	79.6	73.4	77.1	72.2	115.5				
(1234 RPM/SEC)	10000	92.1	92.9	92.0	90.5	89.9	90.4	87.6	86.6	84.5	84.1	83.5	76.2	121.6				
NOT OF BLADES 18	12500	90.5	90.8	89.9	89.4	89.0	87.6	86.1	84.4	82.9	82.2	81.5	76.4	119.6				
PAR TIP SPEED 1112 FT/SEC	15000	91.3	91.6	91.3	91.0	89.7	88.5	86.6	85.1	84.3	83.0	82.6	77.1	120.9				
	20000	90.1	89.6	89.5	88.8	87.9	87.9	86.2	84.3	83.0	81.2	81.8	76.0	120.2				
	25000	88.1	87.2	88.9	88.9	88.9	87.0	85.3	84.4	82.4	79.5	81.6	76.5	123.3				
	31500	88.4	87.8	87.7	88.5	87.6	85.7	84.3	82.9	80.9	77.8	79.6	75.1	119.7				
	40000	86.7	86.1	85.6	85.8	85.8	84.6	82.0	80.9	79.1	76.6	77.7	72.8	116.7				
		84.6	83.1	84.4	84.0	83.1	81.6	80.1	78.1	77.5	73.7	74.7	70.9	117.8				
OVERALL MEASURED																		
OVERALL CALCULATED		100.6	101.5	100.9	100.3	100.5	99.4	97.3	96.2	94.5	93.6	92.8	87.7	131.5				
PWB		102.1	114.2	113.7	112.9	113.6	112.3	110.5	109.4	107.7	107.2	105.4	99.7					

ORIGINAL PAGE IS
OF POOR QUALITY

Run 14/Reading 16

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 54 DAY 0 HR. 0.0

SPL INPUT AT STR	FREQ. (Q.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. TO PERCENT REL. HUM. DATA)											ANGLES FROM INLET IN DEGREES (AND RADIANS)					
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
50	31.7	38.3	42.1	45.6	46.5	47.6	50.5	49.9	50.1	51.2	49.5							
63	35.3	42.2	50.4	53.8	54.9	59.1	62.1	59.3	54.2	54.8	54.1							
SIDELINE 5000 FT?	34.0	40.8	44.2	47.3	48.4	50.9	52.7	51.4	50.8	50.1	48.4							
(152.40 M)	33.6	40.8	44.6	46.5	47.9	47.4	49.5	48.7	47.9	47.0	45.7							
RFA 3589, RPM	33.5	41.0	44.4	47.8	50.3	50.6	51.7	51.4	50.3	48.9	48.4							
(376, RAD/SEC)	31.1	38.5	41.9	44.4	45.7	47.5	49.4	48.4	47.5	46.6	44.1							
DFK 3575, RPM	30.7	38.2	42.6	46.8	48.3	48.7	48.6	48.3	47.0	44.8	42.8							
(375, RAD/SEC)	27.2	37.1	42.0	46.2	50.6	52.0	52.4	54.4	50.1	47.7	45.1							
KFD 3244, RPM	32.5	43.5	45.3	54.6	53.3	53.9	54.6	53.1	54.3	53.1	45.8							
(340, RAD/SEC)	30.0	40.3	46.4	50.9	54.5	54.9	52.9	53.2	53.4	49.7	43.1							
AIRFLOW RATIO	28.4	42.0	43.3	51.5	57.6	56.5	55.7	55.3	58.5	54.3	42.8							
W/F/AH 12.60	32.1	40.6	47.6	48.7	51.3	54.2	52.5	52.9	49.4	46.6	43.1							
800	33.9	50.2	55.3	58.8	60.2	60.6	60.9	50.1	59.3	56.8	49.8							
VEHICLE UTHSIN	47.0	58.1	64.0	69.1	70.0	69.0	68.8	67.5	67.3	65.2	57.7							
DCONFIG	32.3	44.1	50.0	54.5	55.8	56.1	55.9	54.9	53.9	51.9	46.3							
LCC SCHEMECTADY	33.3	46.2	52.2	56.2	57.9	57.5	58.5	57.2	56.2	54.7	49.1							
DATE 06-02-75	36.9	50.5	56.6	60.5	63.9	62.9	63.1	62.0	61.5	60.7	54.7							
RLN 14/16	32.2	47.1	54.7	59.0	60.8	61.1	60.5	59.8	59.3	58.4	52.6							
TAPE X00050	28.9	45.5	54.0	58.8	60.8	60.9	60.6	60.6	59.5	58.9	52.7							
EAA TIP SPEED	21.8	41.5	50.9	56.5	59.0	59.4	59.0	58.5	57.0	57.3	50.7							
5000	17.0	39.7	50.2	56.0	57.7	58.3	58.9	57.7	55.3	56.8	50.9							
1112, FT/SEC	5.2	33.5	46.6	52.3	54.5	55.7	55.9	54.9	52.0	53.7	46.2							
6000		23.8	38.9	46.9	50.5	51.0	51.7	50.9	48.8	49.6	43.6							
10000		11.8	30.2	39.2	43.5	43.7	45.9	46.6	43.2	43.8	38.8							
OVERALL CALCULATED		49.5	60.7	66.9	71.6	73.2	72.8	73.0	71.9	71.2	64.0							
PNDB		56.1	69.6	76.7	81.6	83.8	84.5	84.0	83.4	82.4	73.5							

Run 14/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 62 DAY 8 HR. 0.8

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (99, DEG. F.; 70 PERCENT REL. HUM., DAY)																	PWL	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.	
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	
RADIAL 17, FT.	50	68.3	67.3	66.1	67.3	69.6	70.6	68.3	66.8	66.1	66.3	69.3	68.8	101.8						
(9, 4)	63	70.5	74.0	75.0	75.3	76.3	77.3	75.3	75.0	73.8	76.3	74.8	74.0	109.0						
VEHICLE	80	85.6	66.1	85.1	65.4	67.4	68.6	71.9	73.9	73.6	75.6	74.4	72.1	108.3						
UTHSIM	100	66.4	64.1	63.4	63.4	59.9	61.2	62.9	65.1	65.6	65.9	67.4	65.6	78.5						
DCNF1G	125	73.2	73.7	73.4	71.4	70.4	68.9	69.7	68.9	71.2	71.2	72.7	74.2	105.2						
LCC SCHEMESTADY	150	73.9	72.6	72.1	72.4	72.9	70.6	69.4	71.1	70.1	69.9	72.1	71.4	104.9						
DATE 06-02-75	200	75.5	75.7	78.5	78.2	79.6	78.0	78.5	79.7	75.7	72.5	72.5	72.5	110.7						
RUN 14/17	250	81.2	81.5	81.2	79.5	79.5	78.7	78.7	79.7	78.2	77.0	75.2	73.0	112.0						
TAPE	315	83.8	85.2	83.7	82.5	81.0	79.5	78.2	78.2	77.2	76.2	75.2	73.2	112.7						
XJ00000	450	82.9	82.9	82.9	81.7	81.9	81.9	79.9	79.1	75.9	76.4	75.1	73.9	113.0						
EAR 29.7 HG	500	80.6	80.8	81.0	79.1	77.8	77.1	76.8	76.3	74.1	72.8	72.1	68.6	109.8						
(00222, N/M2)	630	83.3	81.2	81.4	79.5	79.2	78.8	77.9	77.7	73.7	71.2	71.5	68.4	110.5						
TAPE 021 DEG F	800	79.1	78.8	78.5	79.3	79.3	78.6	78.7	78.3	75.0	73.3	72.8	69.3	110.7						
(290, DEG K)	1000	84.0	84.2	83.2	82.0	82.7	79.5	78.2	77.9	75.4	74.2	74.7	70.4	112.4						
TAPE 581 DEG F	1250	79.4	79.8	80.2	81.6	80.6	80.8	80.7	80.3	77.0	76.8	75.0	68.5	112.6						
(263, DEG K)	1600	80.7	80.9	81.6	79.5	83.2	84.4	83.3	82.3	79.6	82.4	78.4	66.9	115.2						
WACT 0. GM/H3	2000	82.1	81.0	79.7	80.1	81.1	78.5	79.9	78.7	77.5	73.3	71.7	65.7	111.6						
(1	2500	85.2	84.2	84.4	83.6	83.6	82.2	82.6	80.3	76.7	77.7	75.1	66.9	114.4						
RFA 12732 RPM	3150	90.3	92.7	91.4	91.4	88.3	89.0	87.1	87.1	85.2	84.8	82.2	76.5	121.0						
(1333, RAD/SEC)	4000	97.5	99.7	99.3	98.9	95.8	94.3	94.8	95.6	94.2	93.5	91.1	87.7	128.8						
RFA 12675 RPM	5000	88.5	88.0	87.3	87.1	86.1	84.8	84.5	84.0	81.9	79.7	78.9	72.4	117.4						
(1329, RAD/SEC)	6300	90.0	90.0	89.4	89.2	89.4	87.9	85.9	86.5	82.8	81.9	81.4	75.2	119.6						
SFD 11517 RPM	8000	93.9	95.2	95.0	95.0	95.1	92.9	91.6	91.3	89.3	87.4	86.0	81.4	125.4						
(1206, RAD/SEC)	10000	93.8	93.3	92.4	92.6	92.2	90.8	89.4	89.4	85.9	85.0	84.3	78.1	123.1						
NO. OF BLADES 25	12500	94.5	94.3	93.5	94.0	93.0	92.8	92.6	89.6	87.3	85.7	85.5	79.6	124.5						
FAN TIP SPEED	16000	94.4	92.5	92.3	93.5	92.3	91.9	89.8	90.3	86.7	84.7	86.5	76.3	124.3						
2112, FT/SEC	20000	94.6	92.2	92.2	94.4	92.4	90.8	89.8	90.4	86.4	84.0	87.1	79.5	124.7						
25000	94.4	91.1	91.4	91.8	91.6	89.7	88.0	89.1	84.4	82.8	86.5	77.1	125.1							
31200	92.7	89.4	89.9	95.8	93.1	88.6	85.8	88.1	82.8	81.1	84.7	75.8	124.7							
40000	91.7	86.1	88.1	94.5	87.1	85.9	83.6	85.8	81.5	79.2	84.5	73.9	124.4							
OVERALL MEASURED																				
OVERALL CALCULATED		104.7	104.6	104.3	103.6	103.2	102.0	100.8	101.2	98.6	97.5	97.1	91.6	135.5						
PWDE		108.3	117.8	127.3	116.9	119.0	113.9	113.7	114.3	112.2	111.4	109.5	105.5							

Run 14/Reading 17

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE - MONTH 62 MAY 3 HR, 0:9

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F, 70 PERCENT REL. HUM, DRY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT 8TH	FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50		35.2	42.3	48.9	50.0	49.5	49.5	52.0	51.4	51.3	53.4	52.3					
	63		40.6	48.2	52.4	55.8	56.6	58.4	60.4	56.8	53.7	53.6	53.1					
SIDELINE 500 FT	80		42.5	50.3	53.2	56.0	57.1	58.4	60.2	59.1	58.0	56.1	53.4					
(152.43 M)	100		45.6	52.3	55.8	57.2	57.6	57.6	58.5	58.0	57.1	56.0	53.5					
NFA 3586 RPM	125		42.5	51.0	54.6	57.8	59.8	59.1	59.2	56.4	57.1	55.7	53.9					
(375. RAD/SEC)	150		39.6	48.5	51.6	53.4	54.7	55.7	56.1	54.4	53.3	52.4	48.4					
NFK 3570 RPM	200		39.2	48.4	51.6	54.5	56.1	56.7	57.3	53.8	51.5	51.6	46.0					
(374. RAD/SEC)	250		35.9	44.9	51.0	54.2	56.9	57.2	57.6	54.9	53.3	52.7	46.6					
NFD 3244 RPM	315		40.5	49.0	53.3	57.3	56.3	56.4	57.1	55.1	54.0	54.4	49.6					
(340. RAD/SEC)	400		35.0	45.3	52.4	55.0	57.3	58.7	58.9	56.4	56.4	54.4	47.4					
AIRFLCH RATIO	500		35.1	46.0	49.8	57.0	60.6	61.0	61.0	58.8	61.8	57.6	45.5					
WF/AM 12.00	630		34.8	43.4	49.9	54.5	54.3	57.2	57.0	56.4	52.4	50.6	44.1					
	800		44.4	54.2	60.6	61.3	64.4	64.1	65.2	63.8	63.6	62.8	54.5					
VEHICLE UTHSIM	1000		50.0	61.3	67.5	68.3	69.5	71.5	73.3	72.5	72.0	69.5	65.5					
SCAFIG	1250		36.5	46.3	55.0	58.0	59.3	60.8	61.4	59.9	57.9	56.9	49.8					
LCC SCHENECTADY	1600		36.3	49.2	56.2	60.7	61.9	61.8	63.5	60.4	59.7	59.0	52.1					
DATE 06-02-75	2000		39.2	53.5	61.1	65.7	66.4	66.9	67.8	66.5	64.8	63.2	57.0					
BLN 14/17	2500		34.7	49.6	58.0	62.3	63.3	64.3	65.5	62.8	62.1	61.1	54.3					
TAPE X08000	3150		31.6	48.7	58.0	62.1	63.0	64.9	65.4	63.6	62.3	62.2	55.2					
FAN TIP SPEED	4000		23.8	44.5	55.7	61.0	63.0	63.1	65.0	62.2	60.5	62.0	53.0					
1111. FT/SEC	5000		20.0	43.0	55.7	59.5	61.4	62.5	64.9	61.7	59.6	62.3	53.9					
	6300		8.5	37.2	54.8	56.3	53.5	59.5	62.2	58.4	57.0	60.5	50.2					
	8000			29.0	48.9	51.2	54.5	54.7	59.0	54.7	53.3	56.6	46.6					
	10000			15.6	40.7	43.2	47.8	49.2	54.6	50.6	48.7	53.5	41.8					
OVERALL CALCULATED			54.4	64.8	71.2	73.8	73.4	76.3	77.7	76.1	75.3	74.0	68.6					
PNUB			60.4	73.5	81.8	85.7	87.7	88.1	89.2	87.0	85.8	85.7	78.6					

Run 14/Reading 18

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99.0 DEC, F; 70 PERCENT REL. HUM, DAY)
 PROC: DATE 4 MONTH 69 DAY 0 HR. 0.0

SPL INPUT AT STN	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)											PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	
50	86.6	88.1	88.3	88.1	87.6	70.8	73.1	68.8	67.6	67.6	67.3	66.3	102.2
83	71.3	73.5	75.0	75.0	75.3	76.8	74.3	75.3	74.0	76.3	75.9	74.3	105.9
RADIAL 17, FT.	80	63.8	66.6	67.9	67.6	67.6	68.6	71.9	74.4	74.1	75.9	74.9	105.7
(5. 4)	100	69.4	69.4	69.4	67.6	64.6	66.4	68.6	71.1	71.9	72.9	73.1	104.5
VEHICLE UTMSH	125	80.2	80.2	79.2	76.9	76.9	79.4	73.9	74.2	74.7	74.4	74.9	109.3
GCNFIG	160	76.6	77.4	77.4	77.4	77.6	76.1	74.4	74.4	73.1	72.1	73.1	108.5
LCC SCHEMECTADY	200	80.7	83.2	82.7	81.2	81.5	81.7	80.7	81.5	79.2	76.7	75.5	113.6
DATE 16-02-75	250	88.5	87.5	87.0	85.7	85.0	84.5	84.5	85.2	84.2	83.2	83.2	117.6
BLK 14/18	315	92.5	92.7	92.5	90.7	89.2	87.3	86.5	85.7	84.2	84.3	82.5	120.6
TAPE X00000	400	98.2	88.9	88.6	88.2	87.9	86.9	84.9	84.1	81.6	79.9	78.4	115.3
BAR 29.7 HG	500	87.4	87.6	87.8	86.1	84.6	83.8	82.5	82.1	80.3	78.6	76.3	119.2
(00292) (1/2)	630	89.5	88.2	87.7	86.7	86.5	85.3	83.9	83.0	79.5	78.5	77.0	117.8
TAMS 621 DEG F	800	88.3	88.3	87.5	86.8	86.3	85.8	84.2	83.3	80.3	78.5	77.3	117.1
(290.1 DEG K)	1000	86.5	86.2	82.9	82.0	82.5	83.0	82.4	80.9	77.9	76.5	73.2	114.1
TWET 531 DEG F	1250	79.4	82.8	85.0	83.8	81.6	82.3	80.5	79.0	77.0	75.5	73.3	113.5
(288.1 DEG K)	1600	82.5	81.9	82.1	81.7	80.2	79.7	78.1	76.3	74.9	73.4	70.4	111.2
WACT C. GM/H3	2000	83.3	83.3	82.7	82.1	81.1	79.0	78.1	76.4	73.5	71.8	69.7	111.4
(1) KG/H3	2500	88.0	87.7	87.6	85.1	83.5	82.0	80.6	78.5	75.7	74.2	71.6	114.6
SFA 11582 RPM	3150	102.5	99.5	100.9	98.4	100.6	95.8	92.3	90.1	86.9	85.0	86.2	125.3
(12.1 RAD/SEC)	4000	97.2	95.0	95.3	93.6	94.8	91.0	87.8	85.3	82.4	80.7	80.9	121.2
WFK 11540 RPM	5000	91.2	91.0	89.8	88.4	86.3	85.3	83.3	81.5	79.6	78.2	75.9	117.5
(12.0 RAD/SEC)	6300	96.7	98.2	95.2	96.2	97.9	95.7	93.2	90.3	88.1	85.9	85.1	127.0
SFD 11527 RPM	8000	93.1	94.9	95.0	94.2	95.1	93.1	90.3	88.3	85.5	83.6	82.3	124.4
(12.0 RAD/SEC)	10000	99.2	97.8	98.9	96.9	97.7	96.3	93.6	92.1	90.2	87.5	85.5	127.8
NO. OF BLADES 10	12500	96.0	94.8	95.8	95.7	96.0	93.5	93.1	90.8	88.8	86.5	84.4	125.5
FAN TIP SPEED 16000	16000	95.1	94.4	95.5	96.5	96.1	93.4	93.6	92.0	90.5	88.2	86.3	127.5
1011. FT/SEC	20000	94.9	93.6	95.7	97.2	96.1	95.0	93.5	91.6	89.9	86.8	85.6	127.6
	25000	93.9	93.6	95.2	98.3	95.6	94.2	92.8	90.6	88.2	85.0	83.8	127.9
	31500	92.2	91.1	93.9	97.3	94.1	92.9	90.5	88.4	86.8	83.9	81.4	127.3
	40000	89.2	88.4	92.9	98.2	91.4	90.6	88.6	86.6	85.3	82.0	79.0	127.7
OVERALL MEASURED													
OVERALL CALCULATED		107.9	106.9	107.7	107.7	107.3	105.5	103.2	101.3	99.3	97.1	95.7	91.4
PNSB		121.1	119.4	120.1	118.2	119.3	116.0	113.4	111.6	108.9	107.2	107.0	102.0

Run 14/Reading 18

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 69 DAY 0 HR. 0:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F. TO PERCENT REL. HUM, DAYS)

ANGLES FROM INLET IN DEGREES (AND RADIAN(S))

SPL INPUT AT BTQ	FREQ.	0°	10°	20°	30°	45°	90°	60°	75°	80°	90°	130°	110°	0°	0°	0°	0°	0°	0°
50			39.9	47.6	51.9	54.8	59.0	54.5	55.7	54.4	53.8	54.4	53.0						
63			45.1	52.4	55.4	58.3	60.4	60.6	62.1	63.3	63.0	66.6	53.9						
SIDELINE 500 FT (152.40 M)	80		48.5	56.1	59.5	61.5	62.9	64.1	65.7	65.1	64.3	62.1	58.7						
SFA 3262 RPM	100		53.1	61.1	64.1	65.5	65.4	63.4	66.0	65.0	64.9	63.2	60.5						
(342 RAD/SEC)	125		48.5	56.7	61.1	63.8	64.8	64.1	64.2	62.2	60.6	58.9	56.9						
SFK 3253 RPM	150		46.4	55.3	58.6	61.4	61.4	61.5	61.9	60.6	57.3	56.6	52.6						
(341 RAD/SEC)	200		46.2	54.7	58.9	61.3	62.6	62.7	62.6	59.6	58.7	57.1	53.5						
NFD 3244 RPM	250		45.4	53.9	58.5	61.2	62.9	62.7	62.6	60.1	58.4	57.2	52.6						
(340 RAD/SEC)	315		42.5	48.7	53.3	57.1	59.8	60.6	60.1	57.6	56.3	52.9	49.3						
AIRFLCH RATIO	400		36.0	50.1	54.6	56.0	58.8	58.4	57.9	56.4	55.1	52.7	46.1						
W/P/M 12.60	500		30.1	46.5	52.0	54.0	55.8	55.7	55.3	54.1	52.8	49.6	44.3						
VEHICLE UTHS:M	600		36.3	46.4	51.9	54.5	54.8	55.5	54.8	52.4	50.9	48.6	44.6						
GCNFIG	800		39.4	50.4	54.2	56.5	57.4	57.6	56.9	54.3	53.0	50.3	45.5						
LCC SCHEMECTADY	1000		49.7	62.8	66.9	73.8	70.8	69.0	67.8	63.2	63.5	64.5	57.7						
DATE 08-02-75	1250		43.5	56.3	61.5	66.6	65.6	64.1	62.7	61.4	58.7	55.9	52.6						
RLN 14/16	1600		36.3	49.5	55.4	57.6	59.0	59.0	58.4	57.2	56.0	53.4	48.3						
TAPE X00060	2000		42.1	56.5	62.2	68.4	69.0	68.4	66.7	65.2	63.2	62.2	55.8						
EAM TIP SPEED	2500		36.2	52.1	59.5	65.0	66.0	65.1	64.3	62.2	60.6	59.0	53.2						
3011. FT/SEC	3150		34.9	53.9	60.7	66.6	68.3	67.7	67.5	66.3	63.8	61.6	56.3						
OVERALL CALCULATED	4000		25.7	47.7	57.5	63.3	66.3	66.1	65.2	63.9	61.9	59.5	53.7						
PNEB	5000		21.8	45.9	57.4	62.7	66.6	66.1	66.0	65.3	63.3	61.1	54.3						
	6000		10.7	40.9	54.6	60.2	63.2	64.3	64.1	63.2	60.4	58.9	52.9						
	8000			32.4	53.5	55.7	59.2	60.8	60.5	59.1	56.8	54.7	50.3						
	10000			20.0	42.2	48.8	53.4	54.7	54.9	54.5	52.0	49.2	44.2						
				58.4	68.5	73.1	77.8	78.1	77.6	77.2	75.7	74.1	72.7						
				62.6	77.1	84.0	89.2	90.8	90.4	90.0	88.6	86.5	84.6						

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OF POOR QUALITY

Run 14/Reading 19

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 76 DAY 3 HR. 0:9

SPL INPUT AT STU	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90, DEG, F, 70 PERCENT REL, HUM, DAY)															
	ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ. (0.)	0.)	10.)	20.)	30.)	40.)	50.)	60.)	70.)	80.)	90.)	100.)	110.)	120.)	130.)	140.)	150.)
50	32.7	39.3	42.9	46.5	47.3	47.5	50.5	49.9	49.8	51.4	51.3					
63	35.5	43.4	46.4	48.8	51.1	52.5	53.9	51.8	49.9	48.3	45.4					
SIDELINE 500, FT	38.0	46.1	49.2	51.5	53.4	54.9	55.9	54.9	54.0	53.1	50.4					
(192.40 M)	40.4	47.6	50.8	52.2	52.4	52.9	53.2	52.5	52.4	51.0	48.5					
BFA 3282, RPM	37.5	45.5	50.6	53.1	54.8	54.8	55.4	53.2	52.1	50.7	49.7					
(342, RAD/SEC)	34.9	43.3	47.1	49.4	50.7	52.3	53.1	51.6	49.8	48.6	45.4					
BPK 3250, RPM	33.0	42.2	46.9	50.5	52.8	52.9	53.1	50.3	49.7	48.6	46.0					
(340, RAD/SEC)	32.7	42.1	46.8	50.7	52.6	54.6	54.4	52.1	51.3	48.7	46.1					
BFD 3244, RPM	36.7	44.2	49.3	54.1	55.5	55.9	55.6	53.6	51.8	49.6	44.3					
(340, RAD/SEC)	34.0	44.1	49.4	52.6	54.0	53.4	53.9	51.4	49.1	46.4	42.5					
AIRPLCN RATIO	31.4	41.0	46.5	50.3	51.3	51.7	51.2	51.1	49.8	45.3	40.5					
W/F/M 12.60	32.1	41.4	47.4	51.0	53.1	54.7	53.3	51.1	50.1	48.6	42.3					
890	36.9	47.9	52.2	56.5	56.9	56.8	57.4	55.0	54.5	50.3	45.5					
VEHICLE UTKSIM	44.7	60.3	64.4	69.3	69.3	71.0	70.1	65.9	70.5	65.2	58.4					
CCNF1G	38.0	54.0	58.6	63.8	64.3	65.6	64.9	63.6	64.9	59.9	53.1					
LCC SCHENECTADY	33.0	45.2	51.9	55.8	57.7	58.3	58.4	57.2	55.5	53.1	46.8					
DATE 16-02-75	36.1	50.0	56.2	60.9	64.8	63.9	63.2	62.2	61.7	60.2	52.6					
RLN 14/19	33.2	48.6	57.0	60.3	63.5	62.6	63.1	61.5	60.1	58.5	52.5					
YAPE X09060	32.4	49.9	56.9	62.9	64.8	65.2	64.7	64.3	62.6	61.1	55.0					
EAN TIP SPEED	24.4	45.2	55.5	60.1	63.0	63.1	62.2	62.2	60.4	59.3	53.5					
1031, FT/SRC	19.3	42.4	54.6	59.0	61.9	62.1	61.5	61.5	59.3	59.1	53.3					
6300	8.0	36.6	52.6	56.0	58.7	59.8	60.1	59.0	56.4	56.9	52.1					
8000		27.4	47.0	50.5	54.4	55.3	55.5	54.9	52.5	52.2	48.8					
10000		14.5	37.0	43.5	48.4	49.2	49.9	49.5	47.5	46.7	43.0					
OVERALL CALCULATED	49.8	63.1	68.7	73.0	74.4	75.1	74.6	73.5	73.7	70.5	64.7					
PND8	56.3	72.1	80.7	84.7	86.8	87.2	86.9	86.1	84.7	83.0	77.2					

Run 14/Reading 20

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 82 DAY 0 HR. 00

MODEL SOUND PRESSURE LEVELS (59, DEG. F. 70 PERCENT RH, NUM. DAY)

SPL INPUT AT STD	FREQ. (C)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										PWL	
		0	10	20	30	40	50	60	70	80	90		100
50	66.1	66.6	66.1	66.8	67.3	70.1	66.8	66.1	66.1	67.3	66.3	65.1	101.3
63	71.0	72.8	73.5	74.8	75.0	74.8	72.5	73.5	73.5	76.5	75.5	74.0	105.2
RADIAL 17 FT.	60	63.3	66.1	64.9	65.6	67.9	67.9	71.9	73.4	73.4	75.1	74.4	106.1
VEHICLE (S, 4)	100	68.4	68.4	67.4	64.9	64.4	64.4	67.4	70.1	70.6	71.6	71.9	103.2
UTHSIM	129	78.2	77.9	76.9	74.4	74.9	73.2	72.4	72.2	72.4	71.9	73.2	107.3
CCNF1G	160	76.9	75.8	75.6	75.9	75.9	74.6	72.4	73.1	71.4	69.6	71.1	106.8
LCC SCHENECTADY	250	73.2	80.5	80.5	79.0	78.5	78.5	78.0	78.5	78.0	73.5	72.0	100.7
DATE 14-02-75	250	85.2	84.2	83.7	82.3	82.0	81.5	81.7	82.2	80.7	79.7	78.5	104.0
SLA 14/20	319	69.0	69.5	68.7	67.0	65.7	63.5	62.7	62.5	61.2	60.5	79.5	107.2
TYPE X00000	400	84.7	84.9	84.9	84.2	83.6	82.4	80.9	79.5	78.6	75.4	73.6	102.1
BAR 29.7 HG	500	84.9	85.3	84.3	83.5	82.3	80.3	78.5	78.3	77.1	75.3	73.6	103.1
100092 (1/2)	630	89.8	89.7	89.2	88.0	87.0	85.5	83.7	83.0	79.5	77.7	76.2	107.5
YMS 63 DEG F	800	88.6	88.0	88.0	87.5	87.5	85.6	83.7	81.3	79.3	77.0	75.0	107.1
(290) DEG K	1000	86.3	86.2	85.2	83.5	82.7	81.3	79.9	78.4	75.9	74.0	71.5	103.4
YMET 50 DEG F	2250	82.4	83.3	83.0	81.1	81.3	78.1	74.5	75.0	73.0	73.8	67.8	108.6
(288) DEG K	1600	79.0	78.6	79.1	77.2	76.7	74.2	72.6	71.3	69.1	68.4	64.6	105.8
FACT 0 GM/M3	2000	79.6	81.3	81.7	80.4	78.3	76.5	74.6	73.2	71.3	68.5	66.0	106.0
GM/M3	2000	94.5	93.9	93.6	92.1	91.6	90.2	89.1	87.3	84.2	82.2	75.1	102.1
1. XG/M3	3150	92.8	92.2	92.6	91.6	91.3	89.3	86.8	85.1	81.9	80.3	77.2	100.3
RFA 7.7 RPM	4000	84.7	84.0	84.1	82.6	82.1	79.9	77.0	74.8	71.7	70.5	65.6	104.7
1 9.11 RAD/SEC	5000	90.0	91.7	89.3	88.6	85.1	86.0	83.3	80.3	77.6	75.5	73.9	100.2
NFK 5216 RPM	6300	93.0	92.5	91.2	89.9	86.6	87.2	84.2	81.3	77.8	75.9	74.9	101.7
(927) RAD/SEC	8000	91.6	91.4	91.8	92.0	91.6	90.6	88.3	85.1	81.8	78.6	77.5	104.7
BFD 11517 RPM	10000	91.0	92.1	92.4	92.6	92.2	91.0	88.6	85.4	82.4	79.5	78.0	104.4
(1206) RAD/SEC	12500	91.3	91.3	91.8	92.7	93.2	92.5	90.3	88.1	85.3	81.5	79.4	102.2
NO. OF BLADES 10	15000	89.9	89.1	90.3	91.3	92.3	92.1	90.3	87.8	85.7	81.5	79.0	104.0
FAN TIP SPEED	20000	88.9	88.4	89.4	91.2	90.9	90.3	88.5	86.4	83.9	78.0	76.6	102.0
ES9. FT/SEC	25000	87.2	87.1	88.2	90.8	91.1	89.2	87.0	84.9	82.2	76.3	73.6	101.6
	31500	84.9	84.9	86.4	88.8	87.6	87.1	84.5	82.4	79.3	74.1	71.2	100.3
	40000	83.5	82.1	84.4	88.0	85.9	84.4	82.6	80.6	78.3	71.5	69.0	100.9
OVERALL MEASURED													
OVERALL CALCULATED		102.6	102.5	102.8	102.8	102.3	101.2	99.3	97.3	94.6	91.8	86.9	103.8
PNDB		114.9	114.8	115.0	113.2	112.8	111.2	109.7	108.1	105.2	103.4	101.1	97.9

Run 14/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 52 DAY 0 HR: 0:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F., 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	0°	10°	20°	30°	40°	50°	53°	70°	80°	90°	100°	120°	150°	180°
FREQ. (Hz)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
30	33.2	45.5	50.4	53.0	53.5	52.5	54.0	52.7	51.1	52.4	51.0			
63	42.3	50.2	53.1	55.3	57.1	57.9	59.1	57.1	54.7	53.1	53.4			
SIDELINE 500 FT (192.43 M)	45.3	52.8	56.2	56.5	59.9	61.4	62.7	61.6	60.8	59.4	55.4			
NFA (273.0 RPM)	49.9	57.3	60.3	62.0	61.6	62.1	62.7	62.0	61.4	63.2	57.5			
(273.0 RAD/SEC)	44.5	53.0	57.1	59.0	60.3	60.1	59.7	57.2	56.1	54.2	52.2			
150	44.1	51.8	56.1	57.9	57.9	58.5	58.1	57.4	55.8	53.9	49.9			
230	47.7	50.2	50.1	62.3	62.8	62.4	62.8	59.6	58.0	56.3	52.8			
DFK 2602 RPM (272.0 RAD/SEC)	45.2	54.4	59.3	62.5	62.6	62.2	61.1	59.1	57.1	54.9	50.6			
NFD 3244 RPM (340.0 RAD/SEC)	42.5	51.0	54.8	57.3	58.0	58.1	57.5	55.6	53.8	51.1	49.8			
450	38.5	48.1	51.9	54.5	54.5	54.4	53.9	52.4	53.4	47.2	42.1			
AIRFLOW RATIO	32.9	43.5	47.5	50.5	50.5	50.5	50.5	48.3	47.5	43.3	40.0			
WF/AM 12.60	630	33.3	45.4	50.1	51.7	52.3	52.3	51.5	49.9	47.6	44.9	41.6		
800	45.0	57.4	61.2	64.7	65.6	66.1	65.4	62.8	61.0	57.8	53.7			
VEHICLE UTHSIN 1000	42.5	54.6	58.2	62.6	63.3	63.5	62.8	60.2	58.7	55.5	51.2			
CONFIG 1200	32.5	45.0	50.5	54.0	54.1	53.3	52.2	49.6	48.7	46.6	42.1			
LCC SCHEMECTADY 1600	37.8	49.0	55.5	59.3	60.0	59.0	57.4	55.2	53.2	51.4	47.1			
DATE 06-22-75 2000	34.4	48.5	56.0	59.2	60.5	59.4	57.9	54.9	53.2	52.0	48.1			
RUN 14/23 2500	32.7	48.8	57.2	61.5	63.5	63.1	62.1	58.5	55.6	54.3	50.7			
TAPE X00000 3150	29.2	47.4	56.4	61.1	63.1	62.7	61.7	58.5	55.8	54.1	49.8			
RAN TIP SPEED 4000	22.2	43.7	54.5	60.6	63.3	63.3	62.4	60.4	56.9	54.5	49.0			
809. FT/SEC 5000	16.5	40.6	52.1	59.0	62.4	62.9	61.8	60.5	56.6	53.8	49.0			
6300	5.2	34.6	48.6	55.0	58.4	59.3	58.8	57.2	51.6	49.9	44.4			
8000		25.4	43.0	50.2	54.2	55.1	54.8	53.1	47.5	44.7	39.5			
10000		12.5	33.7	42.3	47.7	48.7	48.9	47.0	42.2	38.9	32.0			
OVERALL CALCULATED		56.0	65.3	69.5	73.2	74.3	74.4	73.9	71.9	69.9	68.3	64.3		
PN20		58.9	72.6	80.2	84.6	86.5	89.7	83.9	80.5	78.2	73.6			

Run 14/Reading 21

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (90 DEG. F, 70 PERCENT REL. HUM., DAY)																PROC. DATE - MONTH YEAR DAY HOUR MIN. SEC.	
SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (ANG RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	PWL
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.63)	(2.80)	(0.0)
BADIAL 19, FT.	50	86.3	87.1	86.1	86.3	88.0	89.8	89.1	87.6	86.1	87.3	86.3	85.1						121.1
(5, 4)	60	70.5	72.9	73.8	74.5	75.3	75.0	72.5	73.3	73.8	76.5	74.8	73.8						125.1
VEHICLE UTMSM	190	87.1	87.1	86.1	84.5	87.4	88.1	71.9	73.9	73.9	75.4	74.4	71.9						126.2
CCNF10	125	76.4	76.9	75.2	73.9	73.4	71.7	71.7	70.7	71.4	70.9	72.4	71.1						127.3
LCC SCHEMECTADY	230	77.5	79.5	79.5	77.7	75.0	78.0	77.0	78.0	75.5	72.7	71.2	69.4						129.9
DATE 66402-75	250	84.2	84.0	83.2	81.7	81.5	80.7	80.7	81.5	80.0	79.2	78.0	74.5						129.9
BLK 14/21	325	86.0	88.2	87.7	86.2	84.5	82.5	81.5	81.5	79.7	79.5	78.0	76.2						124.8
TAPE X00000	400	83.4	83.6	83.9	83.2	83.1	81.7	80.1	81.9	78.4	74.6	73.1	71.1						126.0
BAR 29.7 HG	530	83.6	83.6	83.5	82.1	81.3	79.6	78.3	77.6	75.6	74.3	72.6	69.3						123.3
(0.292, N/2)	630	87.5	87.7	87.7	85.7	85.7	84.0	82.2	81.2	78.2	76.5	75.2	71.9						122.0
YAMS 631 DEG F	800	86.3	86.5	86.7	86.3	85.5	84.6	82.5	81.0	78.8	76.5	74.3	70.5						123.9
(290, DEG K)	1000	85.5	85.4	83.7	82.2	81.5	80.3	79.2	77.9	75.9	73.0	70.5	66.7						125.6
TMET 58, DEG F	1250	81.6	82.0	82.2	80.1	79.1	77.6	75.5	75.0	72.5	70.5	66.5	62.8						122.4
(288, DEG K)	1800	78.7	78.4	79.3	77.5	76.2	74.4	73.1	71.6	70.1	65.2	65.1	61.6						128.0
HAFT C. GM/M3	2000	79.3	79.8	81.2	80.9	79.6	78.0	75.1	73.2	71.2	69.3	66.5	63.2						128.9
(1, KG/M3)	2500	94.5	93.7	94.5	93.6	92.0	89.7	92.1	89.3	86.2	84.7	80.9	76.7						129.3
AFA 9276, RPM	3150	92.8	92.2	92.6	91.6	90.1	88.3	90.1	87.4	83.7	82.0	78.9	75.0						123.3
(971, RAD/SEC)	4000	83.7	84.0	84.1	82.4	81.3	79.8	78.0	75.1	72.4	70.7	66.6	64.7						121.4
BFX 9240, RPM	5000	90.5	90.2	85.6	88.9	87.8	86.0	83.3	81.3	78.9	76.0	74.1	69.9						121.6
(967, RAD/SEC)	6300	91.2	90.5	90.4	89.9	89.1	87.2	84.2	82.0	78.6	76.6	75.1	71.4						127.5
BFD 1151, RPM	8000	92.1	92.7	92.3	92.7	92.4	91.6	86.3	86.5	82.5	80.1	78.6	74.9						128.7
(1238, RAD/SEC)	10000	91.7	92.8	92.9	92.6	92.7	91.0	89.1	86.6	82.9	80.5	78.0	74.4						122.3
NO. OF BLADES 10	12500	91.3	91.6	91.8	92.2	93.2	92.3	90.3	87.6	85.8	82.0	79.4	74.9						122.5
PAN TIP SPEED 16000	20000	90.6	89.9	90.3	91.3	92.6	92.1	90.8	88.0	86.4	82.2	79.5	74.8						123.3
810, FT/SEC	25000	89.5	88.7	88.7	90.7	91.1	90.3	88.8	86.4	84.4	79.5	76.6	72.5						122.3
	31500	88.4	87.6	87.9	89.8	90.1	88.9	87.3	85.1	82.2	77.3	74.0	70.1						121.5
	40000	85.7	84.1	85.6	86.6	87.6	86.6	84.3	82.1	79.1	74.9	70.2	65.8						121.8
OVERALL MEASURED	60000	83.7	81.6	83.6	84.0	84.9	84.1	82.4	79.8	78.3	72.5	67.5	63.9						120.7
OVERALL CALCULATED		102.5	102.5	102.6	102.4	102.2	101.8	99.9	97.7	95.1	92.5	90.1	86.8						120.7
PWB		114.8	114.4	114.8	113.9	112.7	110.9	111.2	109.2	106.2	104.7	101.8	98.2						123.8

Run 14/Reading 21

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 90 DAY 0 HR. 00

SPL INPUT AT STD	FREQ. (0.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
50	37.2	44.6	49.4	52.3	52.3	51.5	53.3	51.9	50.8	51.7	50.3	49.9	49.9
SIDELINE 5000 FT	60	41.3	49.2	51.9	54.8	56.6	58.9	58.5	55.6	54.0	52.3	49.9	49.9
(152.43 M)	100	45.0	52.3	55.5	58.0	59.1	60.4	61.9	60.9	60.3	58.9	54.9	54.9
RFA 2433 RPM	125	43.3	52.0	56.1	59.1	59.5	60.9	61.7	60.5	60.4	58.7	56.5	56.5
(274.1 RAD/SEC)	150	42.4	51.0	54.6	56.9	57.2	57.2	57.4	55.9	54.8	52.6	49.1	49.1
WFK 2803 RPM	200	45.7	54.7	57.9	61.0	61.3	60.8	60.3	58.3	56.7	55.3	51.5	51.5
(273.1 RAD/SEC)	250	43.7	53.1	58.0	60.5	61.6	61.0	60.4	58.6	56.6	54.2	49.9	49.9
RFD 3244 RPM	315	41.7	49.5	53.5	56.1	57.0	57.4	57.1	55.6	52.6	50.1	45.8	45.8
(340.8 RAD/SEC)	400	37.3	47.3	50.9	53.3	54.0	53.4	53.9	51.9	51.1	45.9	41.6	41.6
AIRFLW RATIO	500	32.6	43.8	47.8	51.0	50.6	50.7	50.2	46.3	47.3	44.3	40.3	40.3
W/WP 12.90	600	32.8	44.9	50.6	52.0	51.8	52.5	51.5	50.2	48.4	45.4	41.6	41.6
VEHICLE UTHSIN	800	45.4	57.4	62.7	65.7	65.1	69.1	67.4	64.8	63.5	59.5	54.7	54.7
GCNFIS	1000	42.5	54.6	60.2	62.5	63.3	66.7	65.2	62.0	60.5	57.2	52.7	52.7
LCC SCHEVECTADY	1250	32.5	45.0	50.3	53.3	54.3	53.1	52.4	50.4	48.9	45.6	42.1	42.1
DATE 05-02-75	1600	36.5	49.2	55.9	59.1	60.0	59.0	58.2	56.4	53.7	51.6	48.8	48.8
BLN 14/21	2000	34.4	46.6	56.0	58.7	60.5	59.4	58.4	55.7	53.9	52.2	47.9	47.9
TAPE X00060	2500	34.0	49.3	58.0	62.3	64.5	63.1	62.8	59.2	57.1	55.5	51.0	51.0
FAN TIP SPEED	3150	29.9	47.9	56.4	61.6	63.1	63.2	62.0	59.0	56.3	54.1	49.8	49.8
210. FT/SEC	4000	22.4	43.7	54.0	60.6	63.0	63.3	61.9	60.9	57.4	54.5	49.2	49.2
OVERALL CALCULATED	5000	17.3	40.6	52.1	59.2	62.4	63.1	62.0	61.5	57.3	54.3	48.8	48.8
PND8	5300	5.3	33.9	48.1	55.2	58.4	59.6	58.8	57.7	53.1	49.9	44.9	44.9
	6000		25.1	42.0	50.2	53.9	53.3	55.0	53.1	48.5	45.0	41.0	41.0
	8000		11.8	31.5	42.3	47.2	48.5	48.6	46.8	43.2	37.9	32.2	32.2
			34.9	64.6	89.7	72.8	74.3	75.1	74.3	72.2	70.3	67.9	64.0
			38.5	72.6	80.3	84.7	86.4	86.6	85.7	84.0	81.1	78.3	73.7

ORIGINAL PAGE IS
OF POOR QUALITY

Run 19/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = NOV- 51 DAY 3 HR: 22:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50' DIST. F. 70 PERCENT REL. HUM. DAY)														
	FREQ. (0.1)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
SIDELINE 500' FT. (132.43 M)	50	34.9	44.3	49.9	53.0	53.0	52.0	52.3	51.9	50.8	49.7	49.5	49.5	49.5	49.5
NFA 2272 RPM (233 RAD/SEC)	60	41.1	49.4	52.6	54.8	56.6	56.9	57.4	56.1	53.2	51.3	50.1	50.1	50.1	50.1
NFK 2270 RPM (233 RAD/SEC)	100	47.6	55.3	58.6	60.0	59.9	59.6	61.5	61.7	60.9	58.7	57.0	57.0	57.0	57.0
NFD 3244 RPM (340 RAD/SEC)	125	42.3	51.2	56.1	58.8	59.5	58.5	57.9	56.2	55.1	52.4	51.4	51.4	51.4	51.4
AIRFLOW 141G (12.60)	150	41.1	49.6	54.6	56.4	57.7	58.5	57.6	57.1	55.0	52.9	50.4	50.4	50.4	50.4
VEHICLE UTASIN	200	43.9	53.7	58.4	60.8	62.1	62.4	62.6	61.3	59.2	56.3	54.8	54.8	54.8	54.8
CONVIS	250	43.9	53.9	58.3	61.2	61.9	62.0	61.6	61.1	58.6	55.4	52.9	52.9	52.9	52.9
LOC SCHENECTADY	315	42.0	50.0	54.5	56.6	57.0	57.6	57.6	57.4	55.3	52.1	49.1	49.1	49.1	49.1
DATE 3-9-73	500	37.5	46.0	51.9	52.0	55.0	54.4	54.1	53.7	51.9	47.9	44.9	44.9	44.9	44.9
RUN 19/4	630	44.0	51.5	57.1	65.5	68.3	70.2	68.2	67.6	65.1	61.8	58.3	58.3	58.3	58.3
TAPE X03070	600	34.4	46.0	51.6	53.0	54.4	53.9	52.7	51.3	50.6	46.0	42.3	42.3	42.3	42.3
FAN TIP SPEED 704. FT/SEC	1000	34.2	46.3	52.5	53.8	55.3	54.5	53.3	52.0	51.3	47.7	44.0	44.0	44.0	44.0
OVERALL CALCULATED	1250	41.1	51.6	61.3	62.5	62.3	61.6	61.2	59.9	58.4	54.9	50.4	50.4	50.4	50.4
PND8	1500	35.4	50.5	59.7	59.7	60.9	60.0	59.2	58.4	56.4	52.2	47.4	47.4	47.4	47.4
	2000	34.5	49.6	58.7	63.5	64.5	65.1	63.5	62.6	60.6	56.9	52.3	52.3	52.3	52.3
	3150	27.1	45.2	55.8	61.3	63.3	63.4	61.1	61.3	59.5	57.4	51.4	51.4	51.4	51.4
	4000	16.5	41.8	52.2	59.0	62.0	62.4	60.7	60.0	57.5	55.5	50.1	50.1	50.1	50.1
	5000	14.1	38.7	51.7	57.0	59.4	59.8	59.1	57.9	54.3	52.6	45.9	45.9	45.9	45.9
	6300	3.2	32.2	47.3	53.1	56.5	57.2	56.4	54.6	51.5	50.0	45.2	45.2	45.2	45.2
	8000		23.3	39.7	43.4	52.0	52.5	51.7	50.7	47.3	45.4	41.4	41.4	41.4	41.4
	10000		11.8	32.0	41.4	46.5	48.2	47.6	47.1	43.2	40.3	37.8	37.8	37.8	37.8
		24.8	65.5	74.3	73.1	74.8	75.3	74.2	73.4	71.5	68.6	65.7	65.7	65.7	65.7
		59.5	73.5	81.1	85.1	88.8	87.0	85.8	84.8	82.7	80.5	78.9	78.9	78.9	78.9

Run 19/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND

PRESSURE LEVELS (59) ANGLES FROM INLET IN DEGREES (AND RADIANS)

PROC. DATE = MONTH 61 DAY 0 HR: 01:0

SEC 70 PERCENT REL. HUM. DAY

SPL INPUT AT STD	FREQ.	ANGLE (DEG)												PWL
		0	10	20	30	40	50	60	70	80	90	100	110	
50	67.8	66.1	67.4	68.6	70.1	70.6	69.8	67.8	66.6	68.1	67.3	65.6	103.5	
63	73.5	71.8	72.8	75.0	75.8	74.5	70.8	71.3	72.3	76.5	74.0	72.3	107.4	
RADIAL 17. FT. (5.9 M)	80	64.6	68.1	67.4	67.4	67.4	66.9	71.4	72.6	73.1	75.1	73.1	105.6	
VEHICLE UTHSIM	100	67.4	67.1	65.1	64.9	63.4	64.9	67.6	69.9	71.8	72.1	71.8	103.4	
CONFIG	125	77.7	77.4	75.9	74.7	74.4	72.9	71.2	71.2	71.7	71.4	72.2	106.5	
LCC SCHEMESTADY	160	77.6	75.9	75.1	76.1	76.4	75.1	72.6	72.4	72.1	71.1	70.9	107.8	
DATE 06-09-75	200	77.7	79.7	80.8	78.5	78.5	76.5	77.5	77.5	75.7	73.0	71.2	115.2	
RUN 19/3	250	64.5	53.5	83.2	83.0	82.5	82.5	82.5	82.5	81.7	80.2	76.2	115.1	
TAPE X00070	315	89.0	89.0	89.0	87.0	86.0	83.8	82.7	83.2	82.5	81.2	79.2	117.2	
BAR 29.0 HG	400	85.4	84.1	84.6	84.9	84.6	83.2	81.4	79.9	77.6	76.4	74.4	114.5	
(00630) N/M2	500	83.6	83.3	83.0	82.8	81.3	81.1	81.0	79.3	77.5	75.6	73.1	111.1	
TAYS 57 DEG F	600	87.5	87.2	86.9	86.2	85.7	85.0	84.2	83.2	81.2	79.5	76.7	114.8	
(267) DEG K	800	87.5	86.2	83.9	82.2	81.5	80.5	79.9	79.4	78.9	78.0	76.0	116.7	
THET 501 DEG F	1000	82.4	82.1	82.5	81.3	80.3	79.6	77.0	76.5	75.5	73.5	69.8	113.2	
(281) DEG K	1250	79.2	77.9	75.1	79.0	77.9	76.4	74.8	72.8	72.1	71.2	67.4	111.0	
NACT 6 GM/M3	1600	79.8	79.3	79.9	80.1	79.3	77.8	76.1	74.2	72.7	71.5	68.2	108.1	
() KG/M3	2000	95.7	95.7	96.4	93.6	93.0	93.0	91.3	88.8	87.9	86.7	84.6	109.4	
NFA 890 RPM	2500	89.0	86.7	86.4	87.1	85.6	85.3	83.8	81.4	80.4	79.0	74.7	124.3	
(941) RAD/SEC	3150	85.5	84.2	84.1	83.1	81.1	79.3	77.3	75.1	74.7	73.2	73.9	117.5	
NFA 900 RPM	4000	94.0	92.7	91.1	91.9	90.1	89.9	85.8	84.0	83.6	83.0	83.1	111.5	
(943) RAD/SEC	5000	90.7	90.2	90.2	89.9	86.4	84.4	83.4	81.8	80.8	79.9	78.4	124.8	
NFD 1150 RPM	5300	93.4	93.2	94.3	93.7	93.6	91.6	85.3	86.5	85.3	84.4	82.5	116.7	
(1204) RAD/SEC	8000	93.7	93.3	93.9	94.4	93.5	91.8	89.6	87.1	85.2	83.7	83.3	123.5	
NC OF BLADES 10	10000	91.5	91.0	92.0	94.0	93.5	92.8	91.1	87.6	84.3	84.0	82.9	123.5	
FAN TIP SPEED 20000	12500	98.4	97.1	91.0	92.0	92.8	92.5	90.8	87.5	86.2	83.9	82.0	124.0	
734. FT/SEC	25000	90.1	89.2	88.9	92.2	91.9	91.3	89.5	87.6	85.7	81.5	80.6	123.7	
	31500	85.7	85.4	86.9	89.1	89.6	88.6	86.3	83.9	82.1	78.9	75.7	121.5	
	40000	85.7	84.4	86.9	87.7	88.1	86.9	84.9	82.8	81.3	78.0	74.0	121.0	
OVERALL MEASURED		103.5	103.0	103.3	103.4	102.9	102.0	100.1	97.9	96.6	94.7	92.5	89.2	
OVERALL CALCULATED		115.8	115.4	115.7	114.2	113.3	112.7	110.9	109.0	108.0	106.8	103.2	99.8	

Run 19/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 61 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (0.)	0. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
50	35.4	45.3	50.6	53.5	54.0	52.7	53.3	53.4	52.6	52.2	51.3						
63	41.6	49.7	52.6	55.3	57.1	57.4	58.1	56.8	54.2	52.3	50.9						
SIDELINE 500' FT. (152.40 M)	44.5	52.3	56.7	59.0	60.9	62.1	62.9	62.6	61.3	59.1	56.4						
NFA 253 RPM (205 RAD/SEC)	49.4	55.6	60.3	62.2	61.9	62.1	63.5	63.2	62.1	60.0	58.5						
NFK 253 RPM (205 RAD/SEC)	43.8	52.7	57.9	60.6	61.0	60.6	59.9	58.2	57.1	54.9	53.4						
NFD 3244 RPM (340 RAD/SEC)	45.2	53.9	58.4	61.0	62.3	62.9	62.8	61.3	59.7	56.8	54.5						
AIRFLOW 1ATIC WF/W4 12.60	44.4	53.1	58.5	60.7	62.1	62.5	62.4	61.4	59.6	56.2	52.9						
800	42.5	49.7	53.5	56.1	57.5	58.1	58.6	56.8	55.8	51.6	48.8						
VEHICLE UTNSIM CONFIG	37.3	47.6	52.1	54.5	55.0	54.9	55.4	54.9	53.1	49.2	45.1						
1200	32.1	42.5	47.3	51.8	52.6	52.5	51.5	51.3	50.5	45.8	42.3						
1250	32.3	43.6	47.9	52.7	53.6	53.5	52.5	51.6	50.6	47.1	42.8						
LDC SCHNECTADY DATE 06-09-75	47.4	59.2	63.0	66.0	68.4	68.3	66.9	66.5	65.5	60.3	56.0						
2000	39.0	51.3	55.7	58.0	60.3	60.5	59.1	58.7	57.5	51.0	48.4						
2500	32.0	43.0	51.0	53.0	53.8	53.6	52.4	52.6	51.4	43.9	44.1						
RUN 19/2	39.0	50.7	53.9	61.3	63.7	61.5	60.9	61.2	60.7	57.6	52.3						
TAPE X01070	34.1	43.5	52.0	58.9	59.8	53.7	58.2	57.9	57.2	55.5	50.1						
FAN TIP SPEED 784 FT/SEC	34.5	51.3	57.0	63.5	64.5	63.1	62.6	62.0	61.3	59.3	54.0						
5000	30.4	46.9	58.2	62.4	63.8	63.7	62.5	61.3	60.1	59.4	53.8						
5300	22.7	44.0	55.8	60.8	63.5	64.1	61.9	61.4	59.4	56.6	53.0						
8000	17.5	41.4	52.9	57.5	62.9	63.4	61.5	61.0	58.6	56.8	52.3						
10000	6.0	35.1	49.6	56.0	59.4	60.3	60.1	59.0	55.1	53.9	49.6						
OVERALL CALCULATED	55.4	65.0	70.2	73.4	75.1	75.1	74.4	73.8	72.4	69.7	66.2						
PNDB	56.6	73.5	81.3	85.4	87.1	87.2	86.1	85.3	83.8	81.9	77.0						

Run 19/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99.0 DB, 70 PERCENT REL. HUM, DAY)

PROC. DATE - 04-14-68 DAY 0 HR: 01:00

ANGLES FROM INLET IN DEGREES (AND RAD/ANS)

SPL INPUT AT STD	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	PHL				
FREQ. (C.)	(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	85.1	87.6	87.3	86.6	78.1	70.8	69.8	67.5	66.6	67.6	66.8	65.6	101.78				
63	73.5	72.5	74.0	75.3	76.5	75.5	72.8	71.3	72.0	75.3	74.3	72.3	107.29				
RADIAL 17. FT. (5. M)	80	65.6	68.4	67.6	67.9	57.6	67.1	71.9	72.9	73.4	75.1	73.4	105.73				
VEHICLE UTMSIM	100	67.9	67.4	66.6	64.6	63.4	65.4	67.9	70.1	71.6	72.4	71.9	103.6				
CONFIG	125	77.7	77.4	75.9	74.4	74.4	72.7	71.4	70.7	71.7	72.4	72.4	105.5				
LCC SCHNECTADY	160	77.4	75.6	74.9	76.4	76.9	75.1	73.4	72.4	72.4	73.9	70.1	107.1				
DATE 06-19-75	200	73.7	80.5	81.5	79.5	79.2	73.7	78.5	77.2	74.2	72.7	75.7	111.2				
RUN 19/2	250	55.0	84.2	84.0	83.2	83.5	83.7	83.0	83.2	82.7	81.0	73.5	115.9				
TAPE X80070	315	90.0	90.0	89.0	85.2	86.5	84.5	83.7	83.2	82.5	82.0	80.0	119.0				
BAR 29.8 HG	400	85.9	85.9	85.1	85.7	86.1	85.2	83.6	82.1	80.1	78.4	76.4	116.3				
(0.6301 N/42)	500	84.5	84.1	84.5	84.3	82.8	82.3	82.5	80.8	79.5	77.3	74.6	114.5				
TAMB 57.1 DEG F	630	84.5	84.2	84.4	84.2	84.2	83.5	82.9	81.7	80.2	78.2	75.7	115.2				
(287.1 DEG K)	800	85.4	85.3	84.9	84.3	83.3	82.8	82.0	81.3	80.0	78.8	76.0	114.8				
TWET 50.1 DEG F	1000	84.3	82.7	82.2	80.3	80.2	80.0	79.4	75.7	75.2	76.2	72.7	111.9				
(293.1 DEG K)	1250	74.9	75.3	82.2	82.2	81.1	80.1	79.5	77.5	77.3	75.3	71.8	111.9				
MACT 0. GM/43	1600	82.0	81.6	84.3	81.2	79.4	78.7	77.1	74.3	73.4	71.7	66.6	110.1				
(. KG/M3)	2000	84.3	84.0	83.2	80.3	79.3	77.3	75.6	73.2	72.2	71.8	66.5	113.2				
NFA 10371. RPM	2500	86.2	87.2	85.6	86.3	84.0	82.5	80.3	77.8	76.9	76.2	72.5	114.7				
(1088.1 RAC/SEC)	3150	98.5	99.0	97.4	97.4	96.1	93.9	92.8	90.6	90.2	88.3	86.2	125.0				
NFK 10391. RPM	4000	86.5	86.5	85.6	84.4	83.6	81.5	79.0	77.6	76.7	76.7	74.1	125.0				
(1088.1 RAC/SEC)	5000	84.2	88.0	88.1	86.4	85.8	83.8	81.0	78.5	78.0	78.5	75.9	116.0				
NFD 11517. RPM	6300	97.0	95.5	96.7	95.7	94.4	92.4	89.7	87.3	85.8	85.6	84.6	124.6				
(12001 RAC/SEC)	8000	93.6	91.4	92.0	92.5	90.6	89.9	87.8	84.8	82.8	80.6	79.9	121.1				
NO. OF BLADES 18	10000	94.2	98.5	95.1	95.9	95.5	94.6	92.9	90.5	87.7	85.5	85.8	126.1				
FAN TIP SPEED 15000	12500	93.3	93.3	93.0	94.7	94.7	94.0	91.8	89.1	86.5	84.7	82.6	125.1				
905. FT/SEC	15000	92.1	90.9	92.0	93.0	94.1	93.9	92.1	89.0	85.7	85.7	83.8	125.0				
25000	20000	92.4	91.2	92.2	94.4	93.8	93.3	91.8	90.1	89.2	85.8	83.8	125.0				
31500	25000	96.9	90.6	91.4	94.5	93.3	92.4	90.5	85.9	87.7	84.5	83.5	125.4				
40000	31500	83.9	85.6	89.6	91.8	92.1	91.4	88.8	86.6	85.6	82.9	82.4	124.6				
OVERALL MEASURED	40000	87.7	86.1	88.4	89.7	89.6	89.1	87.6	85.1	84.3	80.5	80.9	124.2				
OVERALL CALCULATED		104.8	104.7	104.4	105.2	104.4	103.4	101.6	99.5	98.4	96.3	94.4	60.5				
PNDB		117.8	117.9	116.9	115.7	115.5	113.7	112.4	110.4	109.7	108.7	106.1	102.1				

Run 19/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 68 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' RES. F. 70 PERCENT REL. HUM. DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
50	38.2	45.1	50.9	54.0	54.0	53.5	53.3	53.7	52.3	51.4	51.3	51.3					
63	42.3	50.2	53.6	56.1	57.9	58.6	59.1	58.3	55.5	53.8	53.4	53.4					
SIDELINE 500. FT. (122.40 M)	45.3	53.1	57.0	60.0	62.1	62.6	63.7	63.6	62.0	59.4	57.4	57.4					
NFA 292. RPM (305. RAD/SEC)	45.4	57.6	61.6	62.7	62.6	63.1	63.5	63.2	62.9	60.7	59.3	59.3					
NFK 292. RPM (306. RAD/SEC)	45.3	54.2	59.6	62.1	63.0	62.8	62.2	60.7	59.1	56.9	55.4	55.4					
NFD 292. RPM (306. RAD/SEC)	42.2	51.4	56.4	59.5	60.8	61.7	61.3	60.3	58.5	55.8	53.8	53.8					
NFD 324. RPM (340. RAD/SEC)	42.4	50.4	56.0	58.2	59.9	60.5	60.6	59.9	58.8	55.9	52.9	52.9					
AIRFLOW RATIO 4F/4M 12.00	39.3	46.0	51.3	54.8	56.5	57.6	57.8	57.9	56.0	52.4	49.6	49.6					
800	34.0	47.3	53.4	59.3	56.3	56.4	56.4	56.7	54.9	50.4	45.9	45.9					
VEHICLE UTHSIN	35.9	44.8	51.5	53.3	54.8	54.7	53.0	52.6	51.0	47.8	43.3	43.3					
CONFIG 125C	40.3	50.3	56.1	57.5	58.3	57.7	56.2	55.8	53.3	51.8	47.8	47.8					
LCC SCHNECCYADY	50.7	60.2	66.6	69.0	69.2	69.9	66.7	66.8	66.2	64.9	59.8	59.8					
DATE 06-19-75	36.7	47.6	52.3	56.3	56.5	55.7	55.6	55.0	53.3	52.5	47.2	47.2					
RUN 19/2	36.5	49.1	54.3	57.8	58.3	57.3	55.9	56.6	56.7	53.9	45.8	45.8					
TAPE X00070	41.3	56.4	62.7	65.7	66.4	65.5	64.2	63.4	63.4	62.2	55.9	55.9					
FAN TIP SPEED 905. FT/SEC	35.4	50.5	56.6	61.2	63.4	63.4	61.3	59.2	58.0	57.0	52.3	52.3					
8000	33.2	52.3	62.2	65.3	67.3	67.8	65.6	64.6	62.6	60.6	57.1	57.1					
10000	30.6	43.2	50.8	63.6	66.3	66.1	64.6	64.0	61.3	59.2	54.2	54.2					
OVERALL CALCULATED	22.1	44.3	55.2	61.7	65.0	65.4	63.7	64.2	61.3	58.5	53.2	53.2					
PNDB	19.0	43.0	55.7	61.0	63.9	64.8	64.5	64.4	61.3	59.1	53.4	53.4					
	8.0	37.2	52.3	58.1	61.3	62.0	61.9	61.6	58.7	57.5	51.4	51.4					
		27.8	44.9	53.2	57.3	57.7	57.5	57.4	55.1	54.3	47.3	47.3					
		15.6	36.0	45.7	51.0	53.2	52.9	53.4	49.9	49.5	42.5	42.5					
		56.4	65.9	72.1	75.1	76.6	76.8	76.0	73.8	71.8	57.9	57.9					
		61.4	74.6	83.5	87.2	89.3	89.4	88.5	87.8	85.5	83.3	83.3					

Run 19/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEC. 76 DAY 0 HR: 00.0
 ANGLES FROM INLET IN DEGREES (AND RADIAN))

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (59. DEC. 76 DAY 0 HR: 00.0 ANGLES FROM INLET IN DEGREES (AND RADIAN))																	
	FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	
50	58.6	68.3	67.6	69.1	71.1	71.8	70.3	67.8	67.1	67.8	67.3	65.1						102.4
63	73.8	74.3	74.5	76.3	77.5	77.8	75.8	72.5	74.3	75.3	74.0	73.3						109.0
RADIAL (17. FT. / 5. M)	80	67.1	68.9	68.1	68.1	67.9	67.4	74.5	73.4	73.6	75.6	73.4	71.6					103.0
VEHICLE UTHSIM	100	65.9	67.1	66.4	64.9	63.2	64.6	67.6	70.1	71.9	72.1	71.9	76.6					103.6
CONFIG	125	77.9	77.4	74.4	75.2	74.9	73.4	71.7	70.9	71.9	71.9	72.7	73.4					106.9
LDC SCHEMECTADY	160	78.1	76.1	75.6	76.6	76.9	75.6	73.9	72.9	72.4	71.6	70.9	70.9					107.5
DATE 05-09-75	200	79.2	80.7	81.0	83.2	79.7	80.0	79.2	79.2	77.7	75.0	73.5	72.5					111.9
RUN 1977	250	85.7	84.7	84.2	83.7	83.7	84.6	83.7	83.5	83.6	81.5	79.5	77.5					116.3
TAPE X00070	315	90.3	90.2	89.0	86.0	86.2	84.5	83.7	83.7	83.5	82.5	80.2	79.5					119.1
BAR 29.3 HG	400	87.2	85.9	86.9	87.4	86.4	85.4	84.1	82.9	80.4	79.1	77.1	75.9					117.0
(00830) M/M2	500	84.6	84.1	83.8	84.1	82.6	82.3	82.0	80.6	79.6	77.6	74.3	72.8					114.3
TAMB 57.1 DEG F	630	83.0	82.7	82.4	82.5	82.7	82.6	82.2	80.7	79.2	77.5	75.0	73.2					114.0
(237) DEG K	600	84.3	83.5	82.7	82.8	83.3	82.2	83.5	82.0	80.3	79.5	76.5	73.3					114.9
TNET 501 DEG F	1000	83.8	82.4	83.9	80.7	81.6	80.3	79.9	79.4	77.7	79.4	73.5	76.4					122.7
(231) DEG K	1250	82.9	81.3	83.0	83.3	81.6	79.9	78.0	76.0	75.3	73.6	69.8	66.5					112.8
HACT C. G/M3	1600	84.8	82.9	81.8	80.7	76.4	76.2	76.1	73.8	74.1	72.2	69.4	65.4					111.2
(, KR/M3)	2000	82.8	82.0	81.2	80.4	79.3	78.3	76.1	74.9	73.5	72.6	69.5	65.0					116.3
NFA 10784 RPM	2500	84.5	85.2	84.1	84.6	83.0	81.5	80.3	76.3	77.4	76.0	72.9	69.4					113.7
(1129) RAD/SEC	3150	101.8	101.5	96.4	100.4	97.1	94.3	92.6	92.1	86.9	89.3	87.4	81.9					122.9
NFK 10573 RPM	4000	88.7	89.0	87.1	85.9	84.3	82.0	80.5	78.5	77.9	77.7	74.9	78.2					115.4
(1131) RAD/SEC	5000	87.0	87.7	87.5	87.1	84.8	83.5	82.0	76.3	75.1	77.2	74.6	76.4					115.3
NFD 11577 RPM	6300	95.0	96.2	97.2	96.2	94.1	94.9	92.2	88.8	86.6	84.4	83.6	79.4					125.5
(1206) RAD/SEC	8000	91.1	91.3	90.8	91.0	90.0	89.6	86.8	84.3	82.3	79.6	78.3	74.7					123.5
NO. OF BLADES 12	10000	95.0	95.0	95.1	95.0	93.5	94.3	92.1	90.1	88.4	85.5	83.5	79.9					125.7
FAN TIP SPEED 941. FT/SEC	12500	94.5	93.3	91.0	94.9	93.7	93.5	91.3	89.1	88.9	85.2	82.4	77.9					124.6
	15000	93.4	92.1	91.8	93.8	93.6	92.9	91.1	88.6	88.2	85.2	82.8	78.3					124.5
	20000	93.4	91.9	93.4	93.8	93.4	92.0	90.8	89.4	87.4	84.8	83.5	79.0					124.9
	25000	91.9	90.8	91.2	93.6	93.1	91.7	90.0	88.1	86.2	83.0	82.3	78.9					124.8
	31500	89.9	86.1	89.4	92.1	92.1	90.1	88.3	86.1	84.6	82.4	80.4	77.0					124.2
	40000	88.5	87.1	88.6	90.0	89.4	87.9	86.4	84.1	83.9	80.2	77.7	75.7					123.5
OVERALL MEASURED																		
OVERALL CALCULATED	105.9	105.6	104.6	105.6	104.3	103.2	101.3	99.6	98.0	96.1	94.2	90.6	139.5					
PNDB	119.5	119.3	117.3	116.4	114.0	114.1	112.5	111.4	109.2	108.7	106.7	102.2						

Run 19/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 76 DAY 0 HR: 31:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)														
	FREQ. (0.0)	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	120.0	140.0	160.0	180.0
	(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
50	39.7	43.8	51.1	54.0	54.5	54.0	53.8	53.7	53.1	52.2	51.6				
63	42.6	50.7	54.3	56.6	58.6	59.1	59.9	59.8	58.2	54.6	53.1				
SIDELINE 500 FT. (122.40 M)	45.8	53.3	57.5	60.3	62.4	63.4	63.9	63.9	62.5	59.9	57.9				
100	50.6	57.6	61.3	62.5	62.6	63.1	64.0	64.2	63.4	61.8	59.7				
NFA 303 RPM (319 RAD/SEC)	125	45.3	55.0	60.4	62.3	63.3	62.9	60.9	59.8	57.7	56.9				
160	42.9	51.3	56.6	58.2	59.9	61.0	60.4	60.1	58.0	54.6	52.6				
NFK 304 RPM (319 RAD/SEC)	200	40.7	49.4	54.6	58.0	60.1	60.9	60.3	59.3	57.7	55.1	52.8			
250	40.7	49.1	54.5	58.2	59.9	62.0	61.4	60.4	59.6	56.4	52.6				
NFD 324 RPM (340 RAD/SEC)	315	38.7	46.7	52.0	55.6	57.0	58.1	58.8	59.1	57.5	53.1	49.6			
400	36.5	45.1	54.1	55.8	56.3	55.9	54.9	54.7	53.4	49.2	43.4				
AIRFLOW RATIO	500	37.1	46.3	51.0	53.3	54.3	53.7	52.5	53.3	51.5	47.6	44.0			
WF/AN 12.60	630	35.1	44.9	50.1	52.7	54.1	53.5	53.3	52.4	51.1	48.4	44.3			
800	36.9	45.9	53.7	56.0	56.9	57.3	56.4	56.0	54.8	51.5	47.5				
VEHICLE UTHSIN	1000	51.7	60.3	68.9	69.5	69.3	69.2	69.8	67.2	67.7	65.7	59.2			
CONFIS	1250	37.5	45.0	54.8	56.3	56.6	56.8	56.2	55.9	55.9	52.9	47.6			
LOC SCHEDULED	1500	34.1	47.2	54.1	56.1	57.5	57.8	58.2	55.7	55.0	52.4	47.3			
DATE 06-19-75	2000	40.1	55.5	62.2	64.7	65.3	67.4	65.2	63.7	61.7	60.7	55.9			
RUN 19/7	2500	32.7	47.8	56.2	60.0	62.5	61.6	60.3	59.0	55.6	55.0	50.7			
TAPE XG007C	3150	32.9	51.1	59.4	64.4	66.3	66.2	65.7	64.5	61.8	59.6	53.3			
FAN TIP SPEED	4000	24.2	45.0	55.4	61.1	64.3	64.3	63.4	63.7	60.6	57.5	52.2			
941 FT/SEC	5000	19.5	42.1	53.9	60.2	63.1	63.6	62.8	63.0	60.3	57.6	52.3			
6300	8.7	37.6	51.3	57.5	60.2	61.6	61.6	60.7	58.4	57.1	51.4				
8000		23.4	46.0	53.2	56.7	58.1	58.0	57.1	54.3	53.2	48.8				
10000		15.5	37.0	48.8	50.7	52.5	52.6	52.5	50.5	48.2	43.5				
OVERALL CALCULATED		56.6	65.5	72.4	74.5	75.0	76.2	75.9	74.8	73.5	71.2	67.4			
PNDB		61.6	74.5	82.3	86.5	88.5	88.6	88.1	87.2	84.9	82.6	78.1			

Run 19/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, 70, 80, 90, 100, 110, 120) DEGREE F, 70 PERCENT REL. HUM., DAY

SPL INPUT AT STD

	FREQ.	59	70	80	90	100	110	120	PWL
RADIAL 17 FT	50	72.8	69.8	74.3	70.8	75.8	72.3	71.6	88.8
(5. H)	63	75.0	75.0	76.0	76.0	79.3	78.3	76.5	72.8
VEHICLE UTNSIM	100	67.9	69.1	65.1	68.6	68.4	67.9	71.6	73.6
COFFIS	125	76.9	76.9	76.2	75.2	74.7	73.4	71.9	73.9
LCC SCH-NECTADY	150	77.1	76.1	74.9	76.1	76.6	75.1	72.9	72.4
DATE 08-19-75	200	79.7	81.7	81.5	80.2	80.2	80.0	79.5	79.5
RCA 1972	250	85.2	84.5	84.2	83.5	83.2	83.2	83.2	83.5
TAPE X00070	315	89.5	89.5	88.2	87.3	85.0	83.8	83.5	83.5
BAR 29.2 HG	400	87.7	87.1	88.1	89.4	87.6	86.7	85.6	84.1
(0.520, N/42)	500	82.1	82.3	82.6	82.7	81.8	81.1	80.5	79.5
TAMB 59 DEG F	630	80.8	80.7	81.7	79.7	82.5	79.8	77.5	76.9
(25.8, DEG K)	800	83.1	82.3	81.5	81.8	82.3	81.1	82.2	80.0
TMET 50 DEG F	1000	85.5	84.4	83.7	83.5	83.5	81.0	79.7	77.7
(25.1, DEG K)	1250	83.6	83.3	81.0	83.1	83.6	81.1	80.0	75.7
WACT C. 50/MS	1500	82.6	82.1	75.6	78.7	77.9	77.3	75.1	75.1
(1.1, KG/MS)	2000	80.3	80.3	80.4	79.6	78.6	79.3	75.1	74.2
AFA 11074, RPM	2500	84.0	85.4	84.4	85.7	86.0	86.7	79.1	77.1
(1159, RAD/SEC)	3150	83.0	90.7	89.1	90.7	91.1	93.3	92.3	89.7
AFA 11074, RPM	4000	91.7	90.2	89.6	88.9	86.3	84.5	83.0	80.3
(1159, RAD/SEC)	5000	83.2	87.0	85.6	86.1	84.0	83.3	81.5	79.3
AFA 1159, RPM	6300	83.9	86.7	85.4	84.0	82.9	82.2	80.9	77.6
(1159, RAD/SEC)	8000	85.9	91.1	90.3	91.0	89.9	87.6	85.3	82.3
AFA 1159, RPM	10000	84.7	83.9	83.9	84.6	82.2	82.8	80.9	79.4
(1159, RAD/SEC)	12500	83.5	83.1	82.3	82.7	82.5	81.0	80.1	80.8
NO. OF BLADES 12	15000	81.9	81.9	81.5	81.5	81.6	81.1	80.8	80.8
FAN TIP SPEED	20000	91.9	90.4	90.9	92.7	92.1	90.0	88.5	86.4
967. FT/SEC	25000	90.9	89.2	89.4	92.5	91.1	89.7	87.5	85.4
	31500	88.9	88.1	88.6	90.1	89.8	88.4	85.8	84.4
	40000	87.0	87.6	89.9	87.6	86.4	85.4	82.0	82.0
OVERALL MEASURED									
OVERALL CALCULATED		106.2	104.7	104.4	104.1	103.4	101.6	100.1	98.0
PNDB		120.2	118.3	117.6	116.3	115.5	113.3	112.2	110.1

Run 19/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 22 DAY 0 HR; 21:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MOREL DATA (59° DEG. F, 70 PERCENT REL. HUM. JAV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (G.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	(3.14)	
30			38.7	45.1	50.6	53.8	54.0	53.0	53.3	53.4	52.1	51.9	52.0	51.8	51.4	51.0	50.6	50.2	49.8	49.4	
63			43.6	51.2	54.4	57.1	58.6	59.4	60.1	59.3	58.5	58.8	58.4	57.9	57.4	56.9	56.5	56.1	55.7	55.3	54.9
SIDELINE 500 FT:			45.5	53.3	57.2	59.8	61.6	62.9	63.9	63.4	62.0	60.2	59.2	58.2	57.2	56.2	55.2	54.2	53.2	52.2	51.2
(132.40 M)			49.9	58.8	62.8	61.2	61.9	62.9	63.7	63.7	62.6	60.2	59.2	58.2	57.2	56.2	55.2	54.2	53.2	52.2	51.2
NFA 3119 RPM			46.9	56.2	62.4	63.6	64.5	64.8	64.2	61.9	61.3	58.7	57.9	57.0	56.0	55.0	54.0	53.0	52.0	51.0	50.0
(327.1 RAD/SEC)			41.1	51.3	54.6	57.4	58.7	59.5	59.4	58.6	57.3	54.1	51.9	51.0	50.0	49.0	48.0	47.0	46.0	45.0	44.0
NFK 3119 RPM			38.7	47.7	51.9	57.9	57.1	57.9	57.1	56.6	55.7	52.8	51.0	50.0	49.0	48.0	47.0	46.0	45.0	44.0	43.0
(327.1 RAD/SEC)			39.4	47.9	53.5	57.2	55.1	60.7	59.4	58.4	59.8	57.7	54.9	53.0	52.0	51.0	50.0	49.0	48.0	47.0	46.0
NFD 3248 RPM			40.7	49.5	54.8	58.1	57.8	57.9	56.8	57.1	54.8	51.4	47.6	44.9	44.0	43.0	42.0	41.0	40.0	39.0	38.0
(340.1 RAD/SEC)			35.5	48.1	53.9	53.8	57.5	57.9	54.6	54.9	53.1	48.9	45.6	45.0	44.0	43.0	42.0	41.0	40.0	39.0	38.0
AIRFLOW RATIO			36.4	43.0	49.0	51.0	54.1	55.0	53.7	54.3	53.0	49.6	45.3	45.0	44.0	43.0	42.0	41.0	40.0	39.0	38.0
AF/AH 12.60			33.6	44.1	49.4	52.0	55.1	53.5	52.5	52.4	50.9	47.4	44.3	44.0	43.0	42.0	41.0	40.0	39.0	38.0	37.0
800			37.1	47.2	54.5	58.0	56.1	56.1	55.1	55.0	54.3	50.9	47.4	44.3	44.0	43.0	42.0	41.0	40.0	39.0	38.0
VEHICLE UTXSM			35.1	61.1	65.4	68.3	69.0	67.6	67.6	67.0	67.7	65.7	62.4	59.4	58.4	57.4	56.4	55.4	54.4	53.4	52.4
CONFIG			38.1	50.5	54.8	58.3	59.1	59.3	57.7	57.1	57.4	54.6	51.4	48.4	47.4	46.4	45.4	44.4	43.4	42.4	41.4
LOC SCHENECTADY			33.3	45.2	53.1	56.1	57.7	57.3	56.2	55.2	53.0	50.9	48.4	45.4	44.4	43.4	42.4	41.4	40.4	39.4	38.4
DATE 06-19-75			43.1	55.0	51.5	55.4	65.5	66.2	64.7	64.2	61.4	58.5	54.8	51.7	50.7	49.7	48.7	47.7	46.7	45.7	44.7
RUN 19/8			32.1	47.3	53.2	59.8	60.5	62.9	60.3	59.7	56.3	54.8	51.9	49.4	48.4	47.4	46.4	45.4	44.4	43.4	42.4
TAPE X00070			32.2	46.6	56.4	63.1	64.6	65.0	64.7	64.0	62.3	58.9	54.8	51.9	50.9	49.9	48.9	47.9	46.9	45.9	44.9
FAN TIP SPEED			23.3	44.2	54.5	56.8	61.8	62.1	61.2	62.2	60.1	56.8	51.5	48.4	47.4	46.4	45.4	44.4	43.4	42.4	41.4
967 FT/SEC			18.4	41.9	52.4	56.2	61.4	61.4	59.8	60.6	58.3	54.3	51.3	48.4	47.4	46.4	45.4	44.4	43.4	42.4	41.4
6300			7.2	36.1	50.1	56.2	58.2	59.3	58.8	59.0	56.4	56.1	50.4	46.4	45.4	44.4	43.4	42.4	41.4	40.4	39.4
8000				27.6	44.7	51.2	54.7	55.6	55.3	55.1	52.3	52.0	47.3	43.4	42.4	41.4	40.4	39.4	38.4	37.4	36.4
10000				14.8	35.0	44.5	48.9	50.0	50.3	50.3	48.2	46.7	42.4	38.4	37.4	36.4	35.4	34.4	33.4	32.4	31.4
OVERALL CALCULATED			55.9	65.7	71.0	74.1	74.9	75.4	74.7	74.3	73.2	71.0	67.3	63.4	62.4	61.4	60.4	59.4	58.4	57.4	56.4
PNDB			60.6	74.1	81.4	85.6	87.2	87.5	86.9	86.5	84.8	82.0	77.3	73.4	72.4	71.4	70.4	69.4	68.4	67.4	66.4

Run 19/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (50% DEC. F. 75 PERCENT REL. HUM. DAY)																FREQ. DAY - 10.00 PM DAY 0 HR. 51.0	
SPL INPUT AT STD		ANGLES FROM INLET IS DEGREES (AND RADIAN'S)																	
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	PWC	
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)		
	50	67.6	67.0	67.6	68.8	70.3	71.1	69.3	67.1	67.1	67.3	66.6	66.6					104.79	
	63	74.3	74.5	76.0	76.0	79.3	78.5	75.0	73.3	74.8	74.8	74.9	74.3					107.9	
RADIAL 17. FT.	80	64.9	66.0	66.6	66.6	66.9	70.6	76.4	78.1	78.9	76.6	77.4	75.6					107.6	
(5. M)	100	66.9	66.1	64.9	63.4	61.4	63.4	66.4	68.6	70.1	70.9	70.6	65.9					102.1	
VEHICLE UTHSIN	125	75.7	75.4	74.9	75.4	72.4	71.2	69.9	69.7	70.9	70.9	71.7	73.2					105.5	
CONFIG	160	76.4	75.1	75.4	75.6	75.6	73.9	72.6	72.1	71.9	70.6	70.6	70.9					106.6	
LCC SCHEDULE	200	80.7	82.2	82.7	81.5	80.5	80.2	80.5	80.0	78.0	77.7	72.7	72.5					102.5	
DAY 04-29-75	250	84.0	82.7	82.5	82.2	82.5	82.0	82.5	82.2	81.5	80.0	78.2	76.0					114.8	
ROT 19/2	315	87.5	87.5	86.2	85.2	83.2	81.5	82.3	82.0	81.5	80.2	78.5	77.2					105.7	
TAPE X30070	400	84.2	85.4	85.6	86.7	86.6	85.9	83.9	82.6	80.9	79.1	78.6	77.4					105.9	
BAR 29.0 HS	500	78.9	78.1	78.5	78.5	77.8	77.6	77.3	76.3	75.1	73.5	70.3	67.3					109.5	
(00000 N/M2)	630	75.0	74.5	74.7	75.2	74.7	75.0	74.7	73.5	73.0	70.5	69.2	65.4					106.8	
TABS 521 DEG F	600	77.8	76.5	76.0	76.3	80.3	80.3	76.3	77.0	75.3	73.5	72.3	71.0					105.5	
(250 DEG K)	1000	78.3	77.7	80.2	81.2	83.5	79.3	76.4	75.9	76.2	74.5	70.5	65.4					111.4	
TWET 501 DEG F	1250	79.9	79.5	83.5	83.6	80.3	79.3	79.7	78.0	76.5	75.5	72.9	67.8					111.3	
(283 DEG K)	1600	79.2	78.6	77.8	76.2	75.7	76.7	75.5	74.3	74.1	71.7	66.4	64.9					105.7	
HADY 0. GM/M3	2000	83.6	81.3	81.2	80.6	80.1	77.8	77.4	74.7	73.5	72.0	68.7	65.0					113.2	
(KG/M3)	2500	84.2	84.7	84.6	83.6	81.5	81.2	80.3	78.6	77.4	76.2	72.6	65.7					103.5	
NFA 11354 RPM	3150	95.0	96.2	95.6	94.1	93.6	92.0	92.6	90.6	89.4	86.0	82.4	77.0					125.2	
(1199 RAD/SEC)	4000	88.2	87.0	88.6	87.1	87.1	87.0	85.0	82.3	81.2	79.0	75.6	71.2					117.5	
NFK 11762 RPM	5000	84.0	82.7	82.8	81.1	82.1	81.5	79.5	78.3	76.0	74.0	72.6	67.7					112.5	
(1191 RAD/SEC)	6300	90.0	92.5	92.4	89.7	89.4	87.9	85.4	84.5	83.3	81.4	79.1	74.7					119.9	
NFD 11517 RPM	8000	87.9	87.9	87.3	86.0	87.4	85.9	84.3	82.6	81.5	79.1	77.0	73.7					117.3	
(1201 RAD/SEC)	10000	90.7	90.6	90.1	89.0	90.2	88.5	86.9	85.9	83.2	81.7	80.5	75.6					120.8	
NO. OF BLADES 18	12500	89.8	88.8	86.0	89.0	86.5	88.0	85.8	83.8	83.3	82.0	79.6	75.4					109.6	
FAN TIP SPEED	16000	88.4	87.4	87.3	85.2	87.1	87.4	85.1	82.8	82.0	80.5	80.0	75.3					119.5	
991. FT/SEC	20000	85.6	85.9	87.4	85.2	87.0	86.3	85.3	83.4	82.9	79.3	77.8	76.0					115.7	
	25000	57.7	86.3	85.2	89.5	87.6	85.7	84.3	82.6	80.9	78.0	77.8	75.6					119.7	
	31500	86.4	84.6	84.9	87.6	86.1	85.1	82.5	81.1	81.1	77.6	76.2	74.0					119.2	
	40000	85.0	82.4	84.1	86.0	83.9	82.8	81.1	78.8	79.3	75.5	73.7	72.9					108.8	
OVERALL MEASURED																			
OVERALL CALCULATED		101.0	101.3	100.0	100.9	100.2	99.8	98.0	98.4	95.4	93.3	91.3	88.3					101.6	
PNOB		114.3	115.1	114.5	113.7	113.2	113.6	111.7	110.8	108.9	106.3	103.4	99.2						

Run 19/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 1 MONTH 08 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50' DIST. F. 70 PERCENT REL. HUM. DAY)											
	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)											
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)	(0.47)	(0.35)	(0.52)	(0.70)	(0.37)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.)
50	37.7	45.6	50.1	52.8	52.8	52.7	53.0	53.2	52.1	51.9	51.8	
63	44.1	52.4	55.6	57.3	58.9	60.4	60.6	60.1	59.0	58.8	58.1	
SIDELINE 530' FT. (1122.40 M)	43.8	51.6	55.0	59.0	60.4	62.1	62.7	62.4	61.0	59.1	58.4	
NFA 3193 RPM (335 RAD/SEC)	47.9	54.8	58.6	59.5	59.9	61.4	62.2	62.2	61.1	59.2	57.5	
125	45.5	53.7	57.6	62.6	63.8	63.1	62.7	61.4	59.6	59.3	57.4	
160	35.9	46.0	51.1	53.4	55.2	56.2	55.1	55.4	54.3	51.1	49.2	
NFK 320 RPM (335 RAD/SEC)	32.5	41.7	47.4	50.0	52.3	53.4	53.1	53.1	50.7	49.3	46.5	
250	33.7	42.4	50.0	55.2	57.9	56.5	56.4	55.1	53.6	52.2	50.4	
NFD 324 RPM (340 RAD/SEC)	34.5	46.0	52.5	58.1	56.0	54.6	55.1	55.9	54.3	50.1	47.6	
400	34.2	45.0	51.4	54.5	55.8	57.7	56.9	55.9	55.1	52.2	46.6	
AIRFLOW RATIO	32.9	42.3	48.5	52.5	52.8	53.2	53.0	53.3	51.0	47.6	43.5	
WF/AM 12.60	34.3	44.9	50.4	53.5	53.6	54.7	53.0	52.4	51.1	47.6	43.3	
600	36.4	47.4	52.7	54.9	56.6	57.3	56.6	56.0	55.0	51.3	45.7	
VEHICLE UTWSIM	46.5	57.6	62.7	66.0	70.0	69.2	68.3	67.7	64.5	60.7	54.7	
1250	37.5	47.5	55.0	59.0	61.6	61.3	62.2	59.2	57.2	53.6	43.6	
CONFIG	29.0	42.5	50.1	53.3	55.5	55.3	55.2	54.2	51.7	50.1	44.6	
LOG SCHEDULE	36.4	45.8	55.7	59.9	61.3	61.7	62.9	61.4	58.7	56.2	51.1	
DATE 06-19-75	23.2	44.3	53.2	57.3	58.5	59.1	58.6	58.2	56.1	53.8	48.9	
RUN 19/9	27.7	45.1	54.4	59.1	63.6	61.0	61.2	61.3	60.1	56.6	51.5	
TAPE X00070	19.7	40.0	50.5	55.8	58.6	53.8	58.2	53.4	57.4	54.8	47.7	
FAN TIP SPEED	14.6	37.6	48.9	54.7	57.6	57.6	56.8	55.8	55.6	54.8	49.5	
991 FT/SEC	3.7	32.6	46.6	52.0	54.9	56.1	55.6	56.2	52.9	53.6	48.4	
8000		23.4	41.7	47.7	50.9	52.3	52.5	51.9	49.3	48.7	45.5	
10000		11.0	32.7	40.8	45.7	46.7	47.6	47.5	45.7	43.9	40.5	
OVERALL CALCULATED		53.6	63.0	68.4	71.7	74.0	74.0	73.6	73.1	71.0	68.7	
PN03		56.9	70.0	75.0	82.4	84.2	84.6	84.4	82.6	79.8	74.9	

Run 19/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (dB) REF. DATE - MONTH DAY @ HR: MIN: SEC
 ANGLES FROM INLET IN DEGREES (AND RADYANS) 70 PERCENT REC. NUM. DAYS

SPL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	PWL
	(Hz)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.63)	(2.81)	
	50	67.9	67.1	65.9	65.6	69.8	70.3	69.6	68.6	68.9	67.3	66.6	66.3					105.4
	63	74.3	74.3	76.0	76.3	79.3	78.5	75.0	73.3	75.0	76.6	74.3	74.0					105.8
RADIAL (3. FT.)	80	65.1	65.4	66.1	66.6	69.4	70.9	76.9	78.4	77.1	73.6	77.4	75.4					105.9
VEHICLE (3. FT.)	100	65.1	64.6	64.4	63.2	60.9	62.7	65.9	67.9	69.4	69.9	69.4	68.4					105.3
UTMSIM	125	74.4	74.7	73.9	72.4	71.9	73.7	69.7	68.9	70.4	73.7	71.9	72.9					105.1
CONFIS	160	75.8	74.4	74.9	75.9	75.4	73.9	72.6	72.1	71.4	70.4	69.9	70.4					106.4
LIC SCHEDULED	200	80.7	82.2	83.7	82.5	81.0	81.2	81.5	81.0	82.0	74.7	72.7	72.0					113.3
DATE 08-09-75	250	83.2	82.0	81.7	81.5	81.5	81.2	81.7	81.5	81.0	79.2	77.2	75.7					114.1
REV 19/10	300	84.0	85.7	84.7	84.0	81.7	80.5	80.2	80.5	79.7	76.7	76.7	75.7					114.2
TARE X00070	400	82.7	82.1	83.4	82.2	84.1	84.2	81.9	80.4	78.6	77.1	76.4	75.4					114.9
SLR 29.0 KG	500	79.6	79.1	78.0	79.1	73.8	73.6	73.8	73.3	72.1	70.8	68.3	67.6					115.3
(100000 1/42)	630	70.8	69.2	69.4	71.0	70.5	71.3	71.4	71.7	71.9	69.7	63.0	67.7					115.8
TARE 39.1 DEG F	800	75.3	73.3	74.0	76.8	76.5	79.6	77.7	76.5	75.9	73.8	71.3	70.5					116.8
(2881 DEG K)	1000	79.3	78.4	80.2	81.5	84.5	81.5	78.9	75.9	75.2	73.2	70.9	68.2					117.1
TARE 58.1 DEG F	1200	79.4	79.3	81.5	80.6	79.6	80.3	80.5	78.2	74.3	76.0	73.8	69.3					117.5
(2831 DEG K)	1600	79.2	78.9	76.1	75.7	75.9	77.9	76.6	74.0	73.1	71.9	69.4	65.4					117.8
TARE 61.0 GM/13	2000	82.6	82.0	80.9	80.4	78.3	78.0	75.9	75.4	73.9	71.5	68.7	64.7					118.2
(11451 KG/13)	2500	82.2	81.7	81.4	81.1	80.3	79.7	79.1	77.8	76.2	75.2	71.6	69.2					118.6
TARE 62.0 RPM	3000	85.8	84.5	81.6	81.3	80.3	81.3	81.3	81.6	81.7	84.5	83.4	75.7					119.1
(11951 RAD/SEC)	4000	84.0	87.0	85.3	87.6	83.3	85.0	84.5	81.6	80.7	73.5	76.4	70.2					119.2
TARE 64.2 RPM	5000	82.7	81.3	81.3	81.9	80.8	80.3	76.0	77.1	75.9	73.2	71.4	65.7					119.7
(11941 RAD/SEC)	6300	80.5	86.5	86.7	88.2	87.9	86.4	85.2	83.8	82.1	78.9	77.6	73.2					119.8
TARE 65.1 RPM	8000	85.9	87.2	86.0	86.7	86.1	84.9	82.8	81.6	80.3	77.9	76.3	72.2					119.6
(12081 RAD/SEC)	10000	87.3	89.3	88.8	89.4	88.7	87.5	86.4	84.1	83.7	82.0	79.8	74.9					119.6
NO. OF BLADES 12 12500	12000	88.3	87.3	85.3	87.5	87.0	86.3	84.3	81.8	82.0	80.2	79.1	73.9					119.8
TARE 710 SPEED	14000	87.1	86.1	85.5	85.1	86.8	85.9	83.3	81.5	81.2	79.0	79.3	74.3					117.7
997. FT/SEC	20000	87.4	85.7	84.7	87.7	85.6	85.0	83.5	81.6	81.2	77.5	79.1	73.2					115.2
	25000	86.4	84.8	84.7	86.3	85.5	84.4	82.5	80.6	79.7	76.3	77.3	74.4					115.4
	31500	84.7	83.1	83.4	87.1	84.6	83.4	80.8	79.1	78.1	75.9	76.2	72.8					117.8
	40000	84.0	80.9	82.4	85.7	82.4	81.1	79.6	77.1	77.3	73.7	73.7	71.9					117.5
OVERALL MEASURED		99.0	99.6	98.4	100.2	99.9	98.0	87.0	95.0	94.1	92.0	90.6	87.6					118.5
OVERALL CALCULATED		111.3	113.4	111.1	114.5	113.8	111.5	110.9	108.6	107.5	105.1	103.5	98.3					

ORIGINAL PAGE IS
OF POOR QUALITY

Run 19/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PFCC: DATE 6 MONTH 94 DAY 0 HR: 00:00

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM., DAY)									
		ANGLES FROM INLET IN DEGREES (ASC. RADIAN)									
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)
	50	35.9	45.1	50.4	52.5	52.9	52.7	53.0	52.7	51.8	51.2
	63	44.1	53.4	56.5	57.8	59.9	61.4	61.6	59.1	56.0	53.8
SIDELINE 500 FT.	80	43.1	51.8	55.2	55.0	56.5	61.4	61.9	61.9	61.3	58.8
(122.40 M)	100	46.1	53.3	57.3	58.0	58.6	59.6	60.7	60.5	59.6	57.3
NFA 321 RPM	125	42.8	51.5	55.1	60.1	62.0	61.1	60.4	59.2	57.8	56.0
(337 RAD/SEC)	150	33.9	42.5	47.8	49.4	51.4	52.7	53.1	52.4	51.3	49.1
NFK 321 RPM	200	27.2	36.4	43.1	45.8	48.6	50.2	51.3	51.6	50.0	48.1
(337 RAD/SEC)	250	30.4	40.4	46.5	54.5	56.5	56.2	55.9	55.4	53.8	51.2
NFD 324 RPM	315	34.7	46.0	52.9	56.1	58.3	55.1	55.1	54.9	53.0	50.1
(340 RAD/SEC)	400	34.5	45.6	51.4	53.8	56.8	55.4	57.1	55.7	53.6	51.2
AIRFLOW RATIO	500	43.1	42.5	49.0	52.5	54.1	54.5	53.5	52.3	51.3	48.6
AP/AV 12.80	630	43.1	44.6	50.1	51.7	53.9	53.2	53.2	51.4	51.4	47.6
	800	34.4	44.2	50.2	51.2	53.1	53.1	53.9	54.0	53.0	50.3
VEHICLE UTNSIM	1000	44.7	52.6	63.2	67.8	66.8	65.5	66.5	65.0	63.7	61.7
CONFIG	1250	35.5	44.3	55.5	60.3	59.6	60.8	58.9	58.6	56.7	54.4
LCC SCHEMECTADY	1600	27.9	41.0	48.9	52.1	54.2	54.8	54.2	53.4	51.0	48.9
DATE 05-09-75	2000	32.2	47.0	54.2	58.4	59.8	60.4	59.2	59.2	56.2	54.7
RUN 19/10	2500	28.3	42.1	52.0	55.0	57.6	57.6	57.6	57.2	54.8	53.0
TAPE X00070	3150	26.4	43.6	53.0	57.6	59.6	60.5	59.5	59.5	53.3	51.4
FAN TIP SPEED	4000	18.1	33.2	49.0	54.3	57.1	57.3	56.2	57.2	53.6	51.0
997. FT/SEC	5000	13.6	32.1	47.1	53.5	55.1	55.9	55.5	56.0	54.1	51.1
	6300	2.5	30.9	45.1	50.7	53.2	54.3	54.1	54.5	51.4	52.4
	8000		21.9	40.0	46.0	49.4	50.6	50.5	50.6	47.5	48.7
	10000		9.5	32.0	39.5	43.9	45.0	45.6	45.8	44.0	43.9
OVERALL CALCULATED		52.2	61.0	67.6	71.7	72.2	73.1	72.3	71.8	69.8	68.1
PND8		55.1	69.8	76.9	81.2	85.0	83.9	83.0	82.9	81.1	79.2

Run 19/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, DEG. F. 70 PERCENT REL. HUM. DAY)										PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIALS)												
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)
	50	65.8	65.3	66.6	65.1	66.6	70.3	68.3	66.1	66.6	67.3	66.6	66.1	101.3
	63	74.3	74.0	75.9	76.0	79.3	78.5	75.3	73.3	74.8	76.5	74.8	74.5	109.3
RADIAL 17. FT.	50	64.1	68.4	65.1	66.9	69.6	71.4	75.9	78.4	77.1	78.4	77.4	75.1	109.7
(5. M)	100	64.1	63.9	63.7	62.4	60.2	62.2	65.4	67.4	69.1	69.6	68.9	67.9	108.7
VEHICLE UTKSIM	125	74.4	74.2	74.2	72.4	71.9	70.4	69.7	68.4	70.7	71.9	71.9	72.7	105.1
CONFIG	150	76.4	75.1	74.9	75.4	75.6	74.4	73.1	73.1	71.9	70.6	70.4	74.1	105.7
ECC SCHEDULED	200	82.0	81.2	81.2	84.2	82.0	82.9	82.7	82.2	78.0	78.0	73.0	72.0	114.5
DATE 05-9-73	250	83.0	81.7	81.5	81.5	81.0	81.2	81.2	81.5	81.5	79.5	77.5	75.0	113.7
RUN 19/11	315	84.8	84.7	84.2	82.7	81.0	80.3	79.2	79.5	78.2	77.7	75.7	75.0	113.4
TYPE X00070	400	81.7	82.1	82.4	84.2	83.6	83.2	80.6	78.6	77.8	75.6	74.4	73.4	113.2
SAB 29.5 MS	500	72.4	72.1	71.8	72.1	71.8	71.3	71.5	71.6	71.8	71.3	68.6	67.9	104.4
(0.530) (1/2)	630	63.3	67.7	66.7	70.0	70.0	71.0	72.2	72.5	72.0	71.5	70.5	69.9	104.5
TAB 50 DEG F	800	75.1	73.5	74.5	75.5	76.5	76.8	76.7	76.3	77.3	75.5	71.5	70.5	111.3
(288) DEG K)	1000	79.0	78.2	79.9	81.2	84.7	82.3	76.9	76.7	75.4	75.7	70.7	68.2	112.4
TAB 50 DEG F	1250	79.1	79.8	80.7	80.8	80.3	81.1	81.7	79.2	77.3	75.5	74.5	69.9	112.5
(253) DEG K)	1600	79.2	76.9	76.5	76.5	79.2	78.4	77.3	74.8	73.6	72.4	69.9	65.9	109.3
HACT 0. GM/3	2000	81.5	81.0	82.2	78.0	78.1	77.5	76.6	74.9	73.9	72.0	66.2	64.5	109.3
(. . . KG/3)	2500	81.5	81.7	79.9	80.3	79.8	79.2	76.3	77.3	75.4	75.0	71.1	67.2	111.0
NFA 11483 RPM	3150	80.0	84.7	84.9	83.4	85.0	80.3	80.6	87.9	84.4	85.8	82.2	75.2	113.3
(2002) RAD/SEC)	4000	83.2	88.0	85.1	87.6	86.6	85.0	84.5	82.3	78.2	75.2	76.4	76.7	117.3
NFA 11483 RPM	5000	82.0	81.5	81.1	81.1	80.1	80.0	79.0	77.0	75.6	73.0	70.6	66.9	111.4
(2002) RAD/SEC)	6300	87.0	87.2	87.7	87.7	86.0	85.7	84.7	83.0	81.3	73.9	76.6	72.4	117.5
NFA 11517 RPM	8000	86.1	86.2	86.0	86.2	85.6	84.6	82.8	82.1	80.3	77.6	75.5	73.9	114.1
(2005) RAD/SEC)	10000	83.2	86.3	87.9	85.4	88.5	86.8	85.4	83.4	82.7	81.2	78.5	73.9	112.5
NO. OF BLADES 18	12500	87.3	86.6	85.0	85.7	86.5	85.8	81.8	81.6	81.0	79.5	76.1	73.1	117.4
FAN TIP SPEED	14000	85.9	85.1	85.0	86.0	85.8	84.9	82.6	81.0	80.8	77.7	77.8	73.5	115.9
1002. FT/SEC	20000	85.1	84.9	85.2	86.4	85.4	84.5	82.9	80.9	79.9	77.0	77.6	74.3	117.2
	25000	84.7	84.1	83.7	86.0	85.1	84.4	81.3	79.4	78.7	75.3	75.3	73.4	115.9
	31500	83.4	82.6	82.9	83.5	84.1	82.6	80.0	78.6	77.5	74.9	73.9	72.5	115.6
	40000	81.2	80.1	81.6	82.0	81.9	80.6	76.9	76.6	76.5	72.5	72.0	70.9	116.2
OVERALL MEASURED														
OVERALL CALCULATED		97.8	99.3	99.8	99.2	99.7	97.4	95.4	94.7	93.1	92.1	90.0	86.9	129.8
PNSB		109.6	113.3	110.0	112.0	113.8	110.4	110.2	108.1	105.7	105.0	102.7	97.9	

Run 19/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 2 MONTH 99 DAY 0 HR: 22:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39 DEG. F, 70 PERCENT REL. HUM, DAY)																
	FREQ. (0.0)	(0.1)	(0.35)	(0.52)	(0.70)	(0.85)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)
SIDELINE 500 FT. (122.40 M)	50	37.7	45.1	49.9	52.8	53.3	53.2	54.0	53.2	52.1	51.7	52.0					
NFA 323 RPM (339 RAD/SEC)	83	44.5	54.9	55.1	56.3	61.1	62.6	62.9	60.1	57.2	54.1	52.6					
NFK 323 RPM (339 RAD/SEC)	100	45.1	52.2	55.1	57.2	55.1	55.5	59.7	60.0	58.6	56.5	55.2					
NFD 324 RPM (340 RAD/SEC)	125	41.8	50.5	57.1	59.5	61.0	59.3	58.7	58.2	56.3	54.9	53.4					
AIRFLOW RATIO (AF/AM=12.0)	150	33.9	33.3	44.4	47.4	48.9	50.5	51.4	51.1	50.3	48.9	47.6					
VEHICLE UTHSIN	200	25.7	35.7	42.1	45.3	49.3	49.9	52.1	52.1	51.7	50.6	49.5					
CONFIG	250	30.7	40.9	47.0	53.5	55.9	57.2	57.6	57.1	55.6	51.4	50.1					
LOC SCH=VECTADV	315	34.5	45.7	52.5	59.3	59.0	55.1	56.1	55.1	55.5	50.4	47.3					
DATE 06-19-75	400	35.0	45.8	51.5	54.5	57.5	59.7	58.1	56.7	56.1	53.9	48.6					
RUN 19/11	500	35.1	42.6	48.3	53.0	54.6	55.0	53.5	52.6	51.8	49.1	44.5					
TAPE X00070	600	34.1	43.9	48.6	51.5	53.3	54.0	53.5	52.4	51.1	47.1	42.0					
FAN TIP SPEED 1002 FT/SEC	800	33.4	42.7	49.5	52.7	54.6	55.3	55.4	54.0	53.8	49.8	45.2					
OVERALL CALCULATED	1000	25.7	35.7	42.1	45.3	49.3	49.9	52.1	52.1	51.7	50.6	49.5					
PADB	1250	36.5	46.0	53.5	60.5	59.6	61.1	59.7	57.1	57.4	54.4	48.1					
	1500	27.8	40.7	48.1	51.3	54.0	54.6	53.9	53.2	50.7	48.1	43.0					
	2000	31.1	45.0	53.7	57.2	59.0	59.9	59.4	58.4	56.2	53.7	48.9					
	2500	27.5	43.1	51.5	55.5	57.5	57.6	58.1	57.0	54.6	52.3	47.0					
	3150	25.4	42.9	52.2	57.4	58.3	59.5	58.7	58.8	57.6	54.5	49.3					
	4000	17.4	35.0	45.5	53.6	56.5	56.8	55.9	56.2	54.9	53.3	47.5					
	5000	12.5	35.4	48.9	52.5	55.1	55.1	55.0	54.8	52.8	52.6	47.9					
	6000	8.7	30.4	43.8	49.5	52.7	53.5	53.3	53.2	53.6	50.9	45.4					
	8000		20.9	38.2	45.2	48.4	49.3	49.3	49.6	47.0	46.2	43.3					
	10000		9.0	28.7	35.8	43.2	44.2	45.1	45.5	43.0	41.7	39.0					
		55.0	60.7	67.3	71.6	71.7	72.6	72.1	70.8	70.0	67.3	63.8					
		54.9	67.1	76.0	80.9	82.4	83.1	82.5	82.1	80.8	78.2	73.4					

Run 19/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 1 MONTH 15 DAY 0 HR: 11:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99.25% F, 70 PERCENT REL. HUM, DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.73)	(1.92)	(2.09)	(2.26)
50	36.7	45.3	49.9	52.5	53.0	53.2	53.8	52.9	52.1	51.7	51.5	51.5	51.5	51.5
63	46.6	56.2	59.4	60.3	62.9	64.1	64.5	61.1	58.7	54.3	52.4	52.4	52.4	52.4
SIDELINE 500. FT.	50	41.3	49.1	53.3	55.8	56.1	59.4	59.7	58.3	56.4	54.7	54.7	54.7	54.7
(122.43 M)	100	42.9	52.3	54.1	55.2	55.5	56.5	57.2	57.5	55.6	54.2	53.2	53.2	53.2
NFA 3260. RPM	125	38.8	47.0	54.1	56.3	57.5	55.1	54.4	54.9	53.1	51.2	50.7	50.7	50.7
(3421. RAD/SEC)	160	28.5	37.3	42.4	45.7	46.9	49.0	50.1	49.4	50.0	48.9	47.1	47.1	47.1
NFK 3260. RPM	200	25.2	35.4	42.9	45.3	48.6	50.2	52.1	51.6	52.7	52.1	50.8	50.8	50.8
(3421. RAD/SEC)	250	32.7	42.1	47.0	54.2	57.1	59.2	58.4	57.6	55.3	52.2	49.9	49.9	49.9
NFD 3244. RPM	315	36.0	45.5	51.5	52.8	58.5	55.4	55.8	55.6	53.5	50.6	48.3	48.3	48.3
(3401. RAD/SEC)	400	35.3	44.1	51.1	54.0	58.9	58.9	57.9	56.7	55.6	52.9	47.9	47.9	47.9
AIRFLOW RATIO	500	34.9	44.0	53.0	53.3	54.8	55.7	54.7	53.8	53.3	50.1	44.3	44.3	44.3
WF/W 12.00	600	32.6	42.6	48.4	51.0	52.3	53.2	53.0	51.9	49.9	46.9	43.8	43.8	43.8
800	32.6	42.7	49.0	52.5	54.4	55.1	54.1	53.3	52.3	49.0	45.2	45.2	45.2	45.2
VEHICLE UTNSIM	1000	42.5	52.1	59.9	66.0	66.8	67.7	63.6	63.2	62.0	58.7	51.9	51.9	51.9
CONFIG	1250	36.8	47.8	55.3	60.5	61.8	62.1	58.4	58.4	57.4	54.4	48.3	48.3	48.3
LOC SCHENECTADY	1600	27.3	40.7	47.6	50.8	54.0	54.3	53.4	52.4	50.5	47.9	43.1	43.1	43.1
DATE 06-19-75	2000	30.1	44.5	52.5	56.4	58.0	59.9	58.7	57.8	55.4	53.0	47.9	47.9	47.9
RUN 19/12	2500	27.3	42.1	51.2	55.3	56.9	57.4	57.3	57.0	54.8	52.3	47.3	47.3	47.3
TAPE X00070	3150	24.9	42.4	51.4	55.9	57.6	58.7	57.7	57.8	56.8	53.9	48.8	48.8	48.8
FAN TIP SPEED	4000	16.7	37.0	47.5	52.8	55.3	55.6	54.7	54.9	53.6	52.5	46.5	46.5	46.5
1011. FT/SEC	5000	11.5	34.4	45.9	51.2	54.4	54.4	53.5	54.0	52.3	51.8	45.3	45.3	45.3
6000	1.0	29.1	42.8	46.7	51.9	52.1	52.3	52.3	52.3	49.4	49.9	45.4	45.4	45.4
3000		25.1	36.7	44.2	47.4	48.6	48.6	46.3	46.1	45.3	45.0	42.3	42.3	42.3
10000		8.3	27.7	38.0	42.2	43.2	43.2	43.6	44.5	43.7	40.2	38.0	38.0	38.0
OVERALL CALCULATED		51.2	60.6	66.3	70.3	71.9	72.7	71.3	70.4	69.0	66.4	63.0	63.0	63.0
PND8		53.4	66.6	75.1	79.6	81.7	82.6	81.6	81.8	80.0	77.5	72.8	72.8	72.8

Run 19/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (99.0% DATE MONTH DAY 0.HRS MIN SEC)																PNL
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (C.)	0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.92)	110. (0.)	130. (0.)	150. (0.)	170. (0.)	190. (0.)	210. (0.)	
50	66.3	65.6	66.3	67.8	68.8	69.3	67.3	65.3	66.1	66.6	66.1	66.6	66.1	66.6	66.1	66.6	105.0
63	74.0	74.0	75.5	78.0	79.0	78.5	74.5	73.0	74.8	76.5	74.3	74.8	76.5	74.3	74.8	76.5	107.0
RADIAL 17. FT. (5. M)	80	64.6	68.1	64.9	65.6	69.9	71.1	77.1	76.4	77.4	78.6	75.1	78.6	75.1	78.6	75.1	110.0
VEHICLE W/HSIM	100	63.7	63.2	63.2	61.4	59.9	61.7	64.4	65.1	67.6	68.1	66.1	68.1	66.1	68.1	66.1	99.7
CONF 125	72.7	73.2	72.9	71.2	70.4	69.4	69.2	68.2	69.9	70.2	70.2	72.7	70.2	72.7	70.2	72.7	104.7
LCC 300	75.4	73.6	73.4	74.6	74.4	73.6	72.1	72.4	71.1	73.1	73.1	70.4	73.1	70.4	73.1	70.4	106.0
DATE 08-19-75	250	80.0	78.7	78.5	78.5	78.0	78.0	78.5	77.7	77.2	74.2	73.5	77.2	73.5	77.2	73.5	105.8
RUN 19/13	315	83.5	80.2	79.5	78.7	76.2	75.3	75.5	75.5	74.5	73.5	72.7	74.5	73.5	72.7	73.5	110.3
TAMP X00070	400	75.4	77.4	76.1	78.7	77.6	77.4	76.4	74.6	73.6	73.1	70.9	73.6	73.1	70.9	73.6	109.0
BAR 29.5 HG	500	76.4	69.3	69.0	69.6	69.8	69.6	69.8	69.8	69.1	68.3	66.8	69.1	68.3	66.8	69.1	102.0
(00030) M/K2	630	68.0	67.7	69.4	70.7	71.5	71.5	70.9	71.2	70.5	70.5	69.4	70.5	69.4	70.5	69.4	104.4
TAMP 50 DEG F	800	77.6	78.0	75.7	76.8	80.3	81.1	80.0	78.5	76.5	74.3	70.8	76.5	74.3	70.8	76.5	101.2
(258) DEG K	1000	81.0	80.4	79.7	80.7	84.5	83.0	78.9	77.2	75.9	73.5	69.4	75.9	73.5	69.4	75.9	112.7
TWET 50 DEG F	1250	78.4	79.5	79.2	79.6	79.8	81.6	79.5	78.7	77.5	75.5	67.8	77.5	75.5	67.8	77.5	111.2
(253) DEG K	1600	97.2	85.9	84.6	84.2	82.4	83.2	82.3	80.1	78.4	77.4	70.1	78.4	77.4	70.1	78.4	114.3
MACT 3. GV/3	2000	81.1	79.8	78.2	75.4	77.3	76.8	75.4	75.4	73.2	73.5	65.7	73.2	73.5	65.7	73.2	103.7
() KG/M3	2500	85.7	81.2	79.9	80.3	80.0	78.7	77.8	76.3	73.9	72.7	66.2	73.9	72.7	66.2	73.9	100.5
NFA 1170Y RPM	3150	85.5	91.7	90.1	90.9	90.6	88.8	87.6	82.9	82.2	81.3	73.7	82.2	81.3	73.7	82.2	120.2
(1225) RAD/SEC	4000	86.2	85.2	87.8	87.6	87.1	86.8	84.6	81.1	80.4	79.2	71.9	80.4	79.2	71.9	80.4	117.6
NFK 1170Y RPM	5000	81.7	81.5	83.8	81.1	79.8	79.3	78.8	77.0	75.9	73.0	66.2	75.9	73.0	66.2	75.9	111.2
(1225) RAD/SEC	6300	83.5	85.3	84.7	85.2	84.6	83.2	82.2	81.0	79.3	78.1	70.4	79.3	78.1	70.4	79.3	115.2
NFD 1151Y RPM	8000	85.1	85.2	84.6	85.7	84.0	83.6	81.6	80.5	78.5	76.4	70.2	78.5	76.4	70.2	78.5	115.6
(1205) RAD/SEC	10000	86.2	86.6	83.1	85.6	86.5	84.8	83.1	81.4	80.4	79.2	71.9	80.4	79.2	71.9	80.4	115.9
NO. OF BLADES 18	12500	83.3	85.1	84.3	85.5	84.7	83.5	81.3	79.3	79.0	77.3	71.4	79.0	77.3	71.4	79.0	115.5
FAN TIP SPEED 15000	20000	83.9	83.8	83.3	83.5	84.3	83.1	80.3	78.5	78.0	75.5	71.3	78.0	75.5	71.3	78.0	114.6
1022. FT/SEC	25000	84.1	82.4	82.9	84.4	81.9	82.0	80.5	78.6	77.9	74.5	72.3	77.9	74.5	72.3	77.9	115.1
	30000	82.9	82.3	83.2	83.5	83.1	81.2	79.5	78.6	75.9	72.3	71.6	75.9	72.3	71.6	75.9	114.8
	35000	81.7	80.4	81.9	82.1	82.6	80.6	78.8	76.4	74.8	72.1	70.5	74.8	72.1	70.5	74.8	114.7
	40000	79.2	78.6	79.9	80.5	80.8	78.9	76.4	74.3	70.5	69.6	69.6	74.3	70.5	69.6	74.3	114.4
OVERALL MEASURED		97.2	97.8	97.1	97.7	97.4	96.4	94.9	93.0	91.7	90.2	85.7	91.7	90.2	85.7	91.7	126.3
OVERALL CALCULATED		109.9	111.3	110.4	110.9	110.8	109.3	108.3	105.4	104.3	103.1	96.8	104.3	103.1	96.8	104.3	

Run 19/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

FREQ. DATE MONTH 29 DAY 0-HR: 21:0

SPL INPT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	110.	135.	180.	225.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.74)	(1.92)	(2.10)	(2.27)
50	36.2	43.6	49.1	51.5	52.9	52.2	53.3	52.4	51.5	51.3				
63	45.8	55.4	59.1	60.1	63.1	63.4	64.4	60.1	58.5	57.9				
80	39.2	47.6	52.2	54.9	55.4	56.1	58.2	58.1	57.3	53.9				
100	45.6	48.1	52.1	52.5	53.9	54.9	55.7	55.2	54.4	52.0				
NFA 3293 RPM	37.0	44.2	51.6	53.6	55.3	55.6	54.7	54.2	53.8	50.9				
(345 RAD/SEC)	25.1	35.5	42.1	45.4	47.2	48.7	49.6	46.4	49.3	46.4				
NFK 3273 RPM	25.7	35.4	42.9	46.8	42.3	49.7	50.8	50.6	50.7	49.0				
(345 RAD/SEC)	33.2	42.1	48.5	55.2	58.1	56.5	57.9	58.4	54.3	49.4				
NFD 3244 RPM	36.7	45.5	52.0	59.1	59.8	57.1	56.3	55.6	53.3	48.6				
(340 RAD/SEC)	45.0	44.3	50.4	54.0	58.0	57.4	57.6	56.9	55.1	46.6				
AIRFLOW 1410	45.4	49.0	54.5	56.3	59.3	50.0	55.7	57.6	55.8	48.8				
WPM 12.66	32.6	41.9	48.1	50.7	51.8	52.7	53.8	52.1	51.6	44.1				
800	32.9	42.7	49.5	53.0	54.1	54.8	54.4	52.9	51.5	44.2				
VEHICLE UTHSIN 1000	45.1	52.1	59.4	63.0	63.8	64.2	60.0	60.5	59.7	51.4				
CONFIG 1250	37.7	46.8	55.5	59.0	61.3	61.1	58.4	58.4	57.4	49.3				
LOC SCHENECTADY 1600	27.6	40.5	48.1	51.1	53.2	54.5	53.9	53.4	50.7	43.1				
DATE 06-09-75 2000	26.9	43.0	51.2	55.2	56.5	57.4	57.4	56.4	53.4	46.9				
RUN 19/13 2500	26.5	41.8	51.0	54.6	56.5	56.4	56.8	56.2	53.3	46.2				
TAPE X0007C 3150	25.7	41.1	50.4	55.4	56.3	57.2	56.7	56.5	55.6	47.3				
FAN TIP SPEED 4000	15.9	36.2	47.3	52.1	54.3	54.3	53.7	54.2	52.9	45.7				
1022 FT/SEC 5000	10.8	33.6	44.6	51.0	53.4	52.9	52.5	52.6	50.6	45.3				
6300		28.1	41.8	48.0	50.2	51.3	51.1	51.2	48.1	44.4				
9000		19.4	36.0	43.2	46.2	47.6	46.5	46.9	44.0	41.5				
10000		7.0	27.0	37.3	41.2	42.2	42.9	42.9	40.2	37.0				
OVERALL CALCULATED	50.7	60.1	66.0	69.2	71.1	71.3	70.6	69.5	68.1	62.8				
PNDB	53.2	63.9	74.0	79.2	81.3	81.4	80.9	80.3	79.0	72.7				

Run 19/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROP. DATE = 12 DAY 5 HR: 11:0													NUM. DAY		
SPL INPUT AT STD	FREQ.	ANGLER FROM INLET IN DEGREES (AND RADIANS)													PWL		
		(0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)		(0.0)	(0.0)
	50	65.3	65.6	65.8	67.0	69.8	68.0	66.3	64.5	66.5	67.3	67.1	67.1				100.7
	63	74.3	74.3	75.8	76.3	79.5	78.8	75.0	73.3	75.0	76.5	74.9	74.5				101.0
RADIAL (27. FT.)	80	84.9	84.4	85.4	86.0	89.9	71.4	76.9	78.6	77.6	78.9	77.4	75.4				101.0
CONV. (5. H)	100	83.7	82.7	82.4	81.2	59.9	81.2	83.9	85.4	85.8	86.9	86.9	85.9				95.8
VELOCITY (UT4SIN)	125	71.9	72.2	72.4	70.9	70.2	68.7	68.9	67.7	70.2	70.2	71.2	72.7				104.2
COND. F	150	74.4	72.6	72.6	73.9	73.6	72.4	70.9	71.4	70.9	69.9	70.4	70.6				103.9
LOC. CONNECTION	200	80.0	81.9	82.7	82.5	80.7	81.5	80.5	81.0	76.7	73.2	73.0	73.7				103.7
DATE 16-7-75	250	75.0	76.7	76.5	76.2	76.2	76.5	76.2	76.0	75.2	73.7	73.0	72.0				103.9
RNA 19/24	315	78.3	78.5	77.7	77.3	75.2	74.5	74.5	73.7	73.2	72.2	71.0	70.2				103.7
TAPE X00070	400	74.9	74.1	74.4	77.4	78.1	78.9	76.9	73.6	77.9	77.1	75.5	75.1				101.1
BAR 29.5 HG	500	70.4	69.3	69.0	69.8	73.1	69.6	70.0	71.1	69.8	69.1	67.6	66.8				101.1
1004331 (11/77)	630	70.5	69.0	70.7	71.7	72.5	72.0	71.9	72.7	71.2	71.7	69.7	69.4				101.1
T. VE 801 (288) DEG F	800	77.3	75.5	76.0	77.5	80.3	80.3	79.2	78.3	76.5	71.5	72.8	71.5				103.1
(288) DEG K	1010	82.3	81.9	81.9	81.2	83.5	81.5	81.2	80.9	78.2	76.2	73.7	72.7				101.4
T. VE 501 (288) DEG F	1250	78.6	80.0	80.5	83.4	86.8	81.1	78.7	77.0	75.4	74.6	72.6	69.8				101.9
(288) DEG K	1640	82.5	82.5	79.8	80.8	79.7	78.4	76.3	76.1	74.6	73.9	71.0	66.4				101.3
HAUT C. (288) GM/MS	2000	90.8	78.8	76.7	76.5	76.1	77.0	75.6	75.9	74.2	74.5	71.2	67.5				101.3
(288) KG/MS	2500	81.2	80.2	79.9	80.8	80.0	78.5	78.8	75.1	72.9	71.5	68.4	65.7				101.3
NPA 11371 (1143) RPM	3150	85.8	84.7	84.1	87.4	86.8	89.3	88.6	84.4	84.7	83.3	76.2	73.0				101.0
(1143) RAD/SEC	4000	84.8	84.8	84.6	87.4	89.1	90.0	88.8	84.5	85.2	80.7	76.1	72.9				101.0
NPA 11371 (1143) RPM	5000	81.2	81.2	81.1	81.9	79.6	79.5	78.5	76.3	75.1	72.2	70.5	66.4				101.0
(1143) RAD/SEC	8000	83.7	83.7	83.9	84.4	83.4	81.7	80.2	79.5	77.3	74.9	72.8	68.9				111.3
NO. OF POINTS 10	10000	84.4	83.2	84.5	85.7	84.6	83.4	82.8	80.3	79.0	76.1	74.0	70.2				111.3
(10000) RPM	12000	85.5	85.3	84.9	85.6	85.0	83.5	82.4	79.4	78.9	77.5	75.3	71.9				111.3
(12000) RAD/SEC	15000	84.5	83.5	83.3	84.0	84.2	82.6	80.3	78.1	77.5	76.0	74.6	70.6				111.3
FAN TIP SPEED 1036 FT/SEC	20000	82.9	81.9	81.8	82.3	82.1	81.9	79.6	78.6	78.7	74.2	74.0	68.8				111.3
	25000	83.1	81.9	81.4	82.8	82.1	81.0	79.3	76.9	76.2	73.3	73.0	68.2				111.7
	31500	81.4	81.1	80.4	82.8	81.8	79.9	78.0	75.9	74.4	72.0	72.0	69.9				111.7
	40000	80.2	79.4	79.9	80.8	81.1	79.1	76.5	74.4	73.3	71.1	69.9	68.0				109.2
		78.6	76.9	78.6	79.0	78.9	77.6	75.4	72.6	73.0	69.2	63.5	67.9				109.0
OVERALL MEASURED		96.0	96.4	96.5	96.9	96.6	96.3	95.0	92.8	92.1	89.9	87.7	85.6				127.7
OVERALL CALCULATED		108.6	109.0	109.9	109.0	109.7	109.9	109.8	106.0	105.7	102.8	99.9	96.6				

Run 19/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - NOV 12 DAY 0 HR: 11:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)															
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
	(0.)	(10.)	(20.)	(30.)	(40.)	(50.)	(60.)	(70.)	(80.)	(90.)	(100.)	(110.)	(120.)	(130.)	(140.)	(150.)
50	35.2	42.8	48.4	50.8	51.3	51.3	52.3	52.3	52.2	51.3	51.7	51.5				
63	43.3	52.4	56.6	57.6	60.1	60.4	61.6	61.6	61.8	61.5	61.1	60.4				
SIDELINE 900' FT.	37.3	45.6	50.0	52.8	54.9	55.9	57.4	57.4	56.1	54.8	53.9	52.4				
(122.48 M)	38.9	46.3	50.3	51.5	52.6	53.9	54.9	54.9	54.0	53.1	51.7	50.5				
NFA 3344 RPM	33.6	42.5	48.4	54.1	56.3	56.1	58.7	58.4	56.4	57.8	56.2	55.2				
(350.1 RAD/SEC)	27.1	36.5	42.4	45.7	47.2	49.0	51.9	51.9	50.1	49.5	47.9	45.6				
NFA 3344 RPM	27.1	37.7	43.9	47.8	49.3	51.7	54.3	54.3	51.6	52.6	49.8	49.3				
(350.1 RAD/SEC)	32.7	42.4	49.3	55.2	57.4	57.7	57.6	58.4	54.8	54.8	52.7	50.9				
NFA 3241 RPM	32.2	47.7	52.5	58.1	58.3	59.4	60.1	60.1	57.9	53.0	53.4	51.8				
(340.1 RAD/SEC)	35.5	45.6	50.9	55.1	57.5	58.7	59.9	59.2	55.2	54.4	52.2	45.5				
AIRFLOW 4410	35.9	44.3	50.3	53.3	56.6	57.0	57.7	58.8	55.8	55.3	51.1	45.3				
AF/AM 22.60	31.5	42.4	48.4	51.5	52.6	53.9	54.9	54.9	53.1	51.7	50.5	49.3				
300	40.4	52.0	56.5	61.8	64.7	65.6	62.4	63.6	59.1	58.0	51.0	45.7				
VEHICLE UTWSIN 1000	39.2	51.6	56.3	61.6	65.0	65.5	62.3	63.5	59.3	58.3	51.5	45.8				
CONFIG 1250	29.5	42.1	47.6	51.5	54.1	54.8	52.7	53.1	51.4	43.6	45.0	45.0				
LOC SCHNECTADY 1600	35.1	46.7	51.5	54.7	55.7	55.0	55.5	55.0	52.7	55.5	55.5	45.0				
DATE 06-09-75	29.2	43.2	50.0	55.2	56.9	56.1	57.8	57.8	54.8	53.8	51.2	46.7				
RUN 19/14	26.7	42.1	48.3	53.0	55.5	55.5	54.8	54.8	52.3	50.9	49.3	45.5				
TAPE X00073	25.9	33.3	40.3	46.6	49.0	49.0	49.0	49.0	46.6	46.6	43.5	44.1				
FAN TIP SPEED 4000	15.1	34.5	40.2	45.7	51.7	52.0	51.4	51.4	48.0	49.1	44.7	44.7				
5000	9.8	32.5	44.1	49.2	51.7	52.0	51.4	51.4	48.0	46.2	42.0	42.0				
1036 FT/SEC		25.2	40.1	46.3	49.8	49.5	49.5	49.5	45.2	43.3	41.8	39.5				
3000		18.0	32.6	42.3	45.0	45.5	45.2	45.2	41.2	43.3	41.8	39.5				
10000		6.1	25.2	34.9	39.5	41.0	40.4	42.1	35.7	37.3	35.3	33.3				
OVERALL CALCULATED	49.1	59.3	64.9	68.6	71.1	71.7	70.6	70.6	66.1	65.4	62.8	62.8				
200	51.4	65.6	74.0	76.4	80.5	80.6	79.0	79.0	73.7	73.7	71.5	71.5				

Run 19/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, 70, 70 PERCENT REL. HUM. DAY)
 FROM DATE = 04-17 DAY 0 HR: 1:0
 TOW, F, 70 PERCENT REL. HUM. DAY
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	0°	15°	30°	45°	60°	75°	90°	105°	120°	0°	0°	0°	0°	0°	PWL
	(0.)	(0.27)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	66.8	65.3	67.1	68.3	70.1	69.8	68.3	65.1	66.9	67.1	66.5	66.1	66.1	66.1	109.73
	63	74.5	74.3	73.9	73.9	76.0	76.8	74.8	73.3	75.0	76.5	74.5	74.5	74.5	74.5	109.73
RADIAL 17. FT. (5. M)	80	65.6	66.9	65.6	67.9	70.4	71.9	77.1	78.9	76.1	79.4	77.9	75.4	75.4	75.4	109.73
VEHICLE UTKSIM	100	64.9	64.4	63.9	62.7	60.9	62.2	65.9	67.6	69.9	69.4	65.9	66.1	66.1	66.1	109.73
CONFIG	125	74.9	74.4	74.2	72.7	71.7	70.7	69.9	69.2	70.7	70.9	71.7	73.2	73.2	73.2	105.72
LOC SCHENECTADY	160	75.4	75.1	75.1	75.9	75.4	73.9	73.1	72.4	71.4	70.6	70.4	70.4	70.4	70.4	105.72
DATE 06-09-75	250	81.2	83.0	84.0	82.5	81.2	82.5	82.0	81.0	78.0	75.2	73.2	72.0	72.0	72.0	113.5
RUN 19/15	315	83.5	82.0	81.7	82.0	81.5	81.2	81.5	81.5	81.0	79.2	77.2	75.7	75.7	75.7	114.1
TAKE 29.3 HG	400	82.9	83.1	83.4	85.2	84.6	84.2	81.9	80.4	78.9	77.1	76.4	75.4	75.4	75.4	115.3
BAR (DE432) M/SEC	500	75.6	74.9	75.3	74.6	74.1	73.6	73.5	73.1	72.1	70.3	68.3	67.6	67.6	67.6	104.0
TAKE 58.1 DEG F (268.1 DEG K)	600	74.8	73.5	74.0	77.3	79.0	80.1	78.2	76.5	75.3	74.0	71.5	70.8	70.8	70.8	110.0
TEMP 50.1 DEG F (122.3 DEG K)	1000	79.3	78.4	79.9	81.0	84.0	86.8	76.4	75.9	74.7	74.5	76.5	68.2	68.2	68.2	111.6
HACT 0.00 M/3 (. KG/M3)	1250	79.6	79.5	80.2	80.3	79.1	79.8	80.5	78.2	75.1	75.5	73.5	69.8	69.8	69.8	111.5
NFA 1141.7 RPM (1195.1 RAD/SEC)	1600	73.7	75.6	77.8	78.5	78.9	77.7	76.6	75.3	73.1	71.9	69.6	65.4	65.4	65.4	109.1
NFA 1142.1 RPM (1197.1 RAD/SEC)	2000	82.1	82.3	81.2	79.9	78.6	77.8	76.1	74.9	73.2	71.8	68.5	65.0	65.0	65.0	109.3
NFA 1151.7 RPM (1206.1 RAD/SEC)	2500	82.0	82.4	81.4	81.3	80.5	79.2	78.6	77.6	75.4	73.5	71.9	67.9	67.9	67.9	111.0
NFA 1151.7 RPM (1206.1 RAD/SEC)	3150	92.3	84.7	91.1	94.4	93.1	91.2	81.3	85.6	87.4	84.5	83.2	76.2	76.2	76.2	123.9
NFA 1151.7 RPM (1206.1 RAD/SEC)	4000	83.5	87.1	84.6	87.9	88.3	83.5	84.3	81.6	80.4	78.2	76.1	70.4	70.4	70.4	117.3
NFA 1142.1 RPM (1197.1 RAD/SEC)	5000	82.7	81.7	81.3	81.4	81.1	80.3	79.3	77.5	75.6	73.2	70.9	66.7	66.7	66.7	111.7
NFA 1151.7 RPM (1206.1 RAD/SEC)	6300	83.2	85.7	88.4	88.2	87.6	85.9	84.9	83.5	82.1	76.9	77.4	72.9	72.9	72.9	118.1
NFA 1151.7 RPM (1206.1 RAD/SEC)	8000	86.1	84.7	85.6	85.2	85.9	84.9	83.3	82.3	80.5	77.6	75.5	71.7	71.7	71.7	116.5
NFA 1151.7 RPM (1206.1 RAD/SEC)	10000	89.0	89.3	88.9	89.1	88.5	87.3	85.9	83.9	83.9	82.2	79.3	74.4	74.4	74.4	119.4
NO. OF PLACES 16	12500	83.0	87.1	86.5	87.0	87.0	86.5	84.3	82.1	81.8	80.2	78.6	73.9	73.9	73.9	119.3
FAA TIP SPEED 997. FT/SEC	15000	86.6	85.6	86.0	86.5	86.6	85.9	83.8	81.5	80.7	79.0	76.8	73.3	73.3	73.3	117.7
	20000	87.1	85.7	85.4	86.9	86.4	85.0	83.5	81.6	81.2	77.3	78.3	75.2	75.2	75.2	118.0
	25000	85.9	84.6	84.9	85.3	85.6	84.4	82.3	80.4	79.7	75.3	74.0	74.1	74.1	74.1	117.5
	31500	85.2	83.1	83.6	84.3	84.6	83.6	81.0	79.1	78.3	75.9	74.2	73.3	73.3	73.3	117.3
	40000	83.5	81.1	82.6	83.0	82.9	81.6	79.9	77.8	77.5	73.2	72.7	71.9	71.9	71.9	117.2
OVERALL MEASURED		96.8	99.7	98.5	99.7	99.8	98.0	96.9	95.1	94.1	92.1	90.5	87.4	87.4	87.4	139.3
OVERALL CALCULATED		96.8	99.7	98.5	99.7	99.8	98.0	96.9	95.1	94.1	92.1	90.5	87.4	87.4	87.4	139.3
PND8		111.0	113.6	111.3	113.3	113.6	111.3	110.6	108.6	107.3	105.1	103.3	98.5	98.5	98.5	

Run 19/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 2 MONTH 17 DAY 9 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90% RED. F. 70 PERCENT REL. HUM. DAY)													
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	120.	150.	200.
	(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(2.02)	(2.29)	(2.56)
50	37.7	45.3	50.4	52.5	52.6	52.2	53.3	52.7	52.1	52.7	52.3	52.3	52.3	52.3
63	44.3	53.7	56.6	56.1	56.1	61.9	61.6	59.1	56.5	54.3	53.5	53.5	53.5	53.5
SIDELINE 500' FT. (132.40 M)	80	43.0	50.8	55.7	56.0	59.6	61.1	61.9	61.9	60.3	58.1	56.2	56.2	56.2
NFA 3215 RPM (337 RAD/SEC)	100	46.1	53.1	57.3	53.5	58.6	59.9	60.7	61.0	66.1	57.7	56.2	56.2	56.2
NFK 3215 RPM (337 RAD/SEC)	125	42.6	51.5	56.1	60.6	62.0	61.1	63.4	59.4	57.8	56.9	53.4	53.4	53.4
NFD 3241 RPM (344 RAD/SEC)	160	33.6	42.8	47.4	49.7	51.2	52.7	52.9	52.4	50.8	48.6	47.4	47.4	47.4
AIRFLOW RATIO AF/AM 2.63	200	27.2	36.9	43.1	46.3	49.1	50.7	51.1	51.1	48.7	47.5	46.8	46.8	46.8
VEHICLE UTSIM	250	30.7	40.4	49.0	34.0	57.1	56.7	55.9	55.1	54.1	51.4	50.1	50.1	50.1
COAFIG	315	34.7	45.7	52.3	56.6	57.3	54.6	55.1	54.4	54.3	50.1	47.2	47.2	47.2
LDC SCH=ECTADY	400	34.3	45.3	51.1	33.3	56.3	56.4	57.1	54.9	53.1	52.3	46.6	46.6	46.6
DATE 06-29-75	500	32.9	42.3	48.6	32.8	53.8	54.2	54.0	52.3	51.3	48.6	44.0	44.0	44.0
RUN 19/15	630	35.3	44.9	49.6	32.2	53.6	53.5	53.3	52.1	50.9	47.4	43.4	43.4	43.4
TAPE Y00070	800	34.1	44.2	50.5	53.5	54.6	55.6	55.9	54.0	54.3	50.3	46.2	46.2	46.2
FAN TIP SPEED 997 FT/SEC	1000	45.3	53.1	62.9	67.5	66.8	66.0	66.3	65.7	62.0	61.5	53.9	53.9	53.9
OVERALL CALCULATED	1250	35.5	45.5	55.8	60.5	60.1	60.6	63.9	58.4	53.4	54.1	47.8	47.8	47.8
PND3	1600	28.0	41.0	48.4	52.3	55.2	55.0	54.4	53.2	51.0	48.4	45.6	45.6	45.6
	2000	32.6	46.8	54.2	55.2	59.3	63.2	62.9	59.2	58.2	54.5	47.4	47.4	47.4
	2500	28.0	42.8	51.5	55.8	57.8	58.1	58.3	57.2	54.6	52.3	47.7	47.7	47.7
	3150	26.4	43.9	52.9	57.4	59.3	60.0	59.0	60.0	58.6	55.4	45.8	45.8	45.8
	4000	17.9	33.5	46.8	54.3	57.3	57.3	56.4	56.9	55.6	53.8	45.2	45.2	45.2
	5000	13.6	34.4	47.4	53.2	56.1	56.4	55.5	55.5	54.1	53.6	47.0	47.0	47.0
	6300	2.5	30.6	44.3	50.5	53.2	54.3	54.3	54.3	51.4	51.6	47.4	47.4	47.4
	8000		22.1	39.5	45.7	49.4	50.3	50.3	50.6	47.5	47.8	44.0	44.0	44.0
	10000		9.6	29.2	39.3	44.2	45.2	45.6	46.0	44.0	41.9	39.7	39.7	39.7
			52.4	61.0	67.8	71.6	72.2	72.9	72.3	71.7	69.9	67.9	67.9	67.9
			55.2	63.8	76.6	81.1	82.9	83.5	82.9	82.9	82.2	78.7	78.7	78.7

Run 19/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (99. FREQ. F. 70 PERCENT REL. HUM. DAY)

PRG. DATE - 10/14/75 DAY 6 HR. 21:0
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										PWL		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.			
RADIAL 17. FT.	50	67.3	68.1	67.3	66.1	70.2	71.6	70.6	69.3	67.6	65.1	67.1	66.1	123.5
(5. M)	53	74.0	73.5	74.6	77.0	76.3	71.5	73.5	72.3	74.0	76.5	74.5	74.5	127.7
VELOCITY 17.5 M/S	50	62.4	67.9	65.9	66.9	67.1	67.1	71.6	73.1	73.1	75.1	72.6	72.6	123.5
COS ² Θ	100	67.1	66.4	65.6	64.6	63.2	65.0	67.9	69.4	71.4	71.4	71.4	70.4	123.5
VELOCITY 17.5 M/S	125	77.4	77.2	75.9	74.7	74.7	72.9	70.7	70.7	71.7	71.4	71.7	72.2	123.5
COS ² Θ	150	77.4	75.1	74.9	75.1	76.1	75.1	72.4	72.6	71.9	73.9	73.6	76.9	123.5
LOC. SCHEDULED	200	78.0	79.7	79.7	79.0	76.5	78.5	77.5	77.2	75.7	72.7	71.7	70.5	123.5
DATE 10-19-75	250	84.0	83.2	83.2	82.5	82.5	82.7	82.2	82.2	81.7	80.7	75.2	76.0	123.5
SEA 19/16	315	89.3	89.0	88.0	87.0	85.5	83.0	83.0	83.0	82.2	81.5	79.0	77.7	123.5
TARE 100070	400	85.4	84.6	84.6	83.7	84.6	83.2	81.4	79.9	77.6	75.4	73.4	73.4	123.5
SEA 29.0 M/S	500	83.6	85.6	85.3	82.6	81.8	81.1	80.3	79.3	77.6	75.3	73.3	71.6	123.5
(COS ² Θ)	630	87.3	87.5	84.7	86.2	86.0	85.0	84.2	82.7	81.0	79.2	76.7	74.9	123.5
TARE 100000	800	87.6	86.5	87.0	87.0	86.3	85.1	84.2	83.3	81.3	79.5	75.6	73.8	123.5
(COS ² Θ)	1000	87.0	85.7	83.7	81.7	81.2	80.0	79.9	79.7	78.7	75.7	72.2	69.7	123.5
TARE 100000	1200	82.0	82.5	82.5	81.3	80.3	79.1	77.0	76.7	75.0	73.5	70.0	65.5	123.5
(COS ² Θ)	1500	79.0	77.4	75.6	73.2	77.7	75.9	74.6	75.1	72.1	70.9	67.0	53.9	123.5
TARE 100000	2000	79.6	79.3	79.7	79.9	79.3	78.0	75.9	74.2	72.7	71.5	68.2	64.0	123.5
(COS ² Θ)	2500	95.7	95.7	95.4	94.3	93.0	94.0	91.3	88.1	87.7	86.7	85.1	77.7	123.5
SEA 9300	3150	89.8	89.7	89.4	87.6	86.3	85.4	84.1	80.9	80.9	79.8	74.7	71.0	123.5
(COS ² Θ)	4000	84.7	84.0	84.1	83.4	81.3	79.3	77.5	75.1	74.4	73.0	70.6	55.2	123.5
TARE 100000	5000	93.7	92.7	90.3	91.4	89.6	89.8	85.5	83.8	83.9	82.7	80.6	75.4	123.5
(COS ² Θ)	6300	90.5	90.5	90.4	89.2	88.4	86.4	83.2	81.8	80.6	79.6	76.6	73.7	123.5
SEA 12500	8000	90.6	92.9	91.8	93.7	91.4	91.6	88.6	86.6	83.3	84.5	83.0	87.7	123.5
(COS ² Θ)	10000	91.0	93.6	93.9	93.6	93.5	91.5	89.6	87.4	85.2	84.0	83.0	78.1	123.5
TARE 100000	12500	91.6	91.5	91.8	91.0	93.5	90.3	87.6	85.4	84.2	82.6	82.6	77.9	123.5
(COS ² Θ)	16000	92.1	92.2	92.0	91.6	92.3	92.9	91.8	85.0	82.2	81.3	81.8	77.5	123.5
SEA 20000	20000	84.5	83.7	89.4	91.9	91.9	91.3	89.5	87.1	85.7	81.5	81.1	76.7	123.5
(COS ² Θ)	25000	87.9	87.8	88.7	90.8	91.1	89.9	83.5	86.1	84.2	80.3	77.5	74.9	123.5
TARE 100000	31500	85.7	85.6	86.9	85.6	89.8	88.6	85.6	83.6	81.6	75.4	75.4	73.0	123.5
(COS ² Θ)	40000	85.5	84.4	85.6	87.5	87.6	86.9	85.1	81.6	81.5	77.5	75.3	71.4	123.5
OVERALL MEASURED														
OVERALL CALCULATED		103.2	102.9	103.1	103.2	102.9	102.2	100.0	97.8	94.5	94.8	92.4	89.0	133.8
PNOB		115.6	115.4	115.6	114.4	113.3	113.3	110.9	105.0	107.9	106.9	103.0	99.7	

Run 19/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 03 DAY 0 HR: 21:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% RES. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% RES. F, 70 PERCENT REL. HUM, DAY)											
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.00)	(0.07)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0.)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	37.7	45.1	50.6	53.3	54.0	52.5	53.5	53.2	52.3	51.9	51.3	51.3
63	41.5	49.4	55.1	58.3	57.1	57.4	57.9	56.8	56.3	52.3	51.1	51.1
SIDELINE 540. FT. (192.40 M)	44.3	52.3	55.2	59.0	61.1	61.9	62.7	62.6	61.8	59.1	55.4	55.4
NFA 250. RPM (192.40 M)	49.4	55.5	61.5	61.7	61.1	62.4	63.2	63.0	62.4	59.7	55.0	55.0
NFA 250. RPM (265. RAD/SEC)	49.3	52.7	58.6	60.5	61.3	60.6	59.9	58.2	57.1	54.4	53.4	53.4
NFA 250. RPM (265. RAD/SEC)	49.1	50.8	55.1	57.4	58.7	59.2	59.1	58.1	56.8	53.5	51.4	51.4
NFA 324. RPM (349. RAD/SEC)	45.3	53.7	58.4	61.3	62.3	62.9	62.3	61.6	59.6	55.3	54.5	54.5
NFA 324. RPM (349. RAD/SEC)	45.9	53.4	58.8	61.2	62.1	62.7	62.5	61.1	59.6	55.7	53.1	53.1
AIRFLOW 14110 (770M 12.60)	42.3	49.5	52.0	55.8	57.5	58.1	58.8	58.4	55.3	51.3	48.6	48.6
VEHICLE UTASIM 12000	37.6	47.6	52.1	54.5	55.5	54.9	55.5	54.9	54.4	49.4	45.4	45.4
CONFIG 12000	37.1	43.0	45.5	51.5	52.1	52.2	51.7	51.3	50.3	46.4	42.5	42.5
LOC SCHENECTADY 1600	37.6	43.4	49.4	52.7	53.8	53.2	52.5	51.6	50.5	47.1	43.3	43.3
DATE 06-09-75 2500	47.4	59.2	63.5	66.0	69.4	68.3	66.1	65.3	63.5	59.8	55.9	55.9
RUN 19/16 2500	35.9	51.3	54.2	58.8	61.0	61.7	62.6	62.2	61.0	57.1	53.1	53.1
TAPE 3130	35.9	49.0	51.5	53.5	53.3	53.8	53.4	52.4	51.2	48.0	43.5	43.5
FAN TIP SPEED 4000	39.0	50.0	56.4	60.8	63.7	61.3	60.7	51.8	60.5	55.4	52.0	52.0
786. FT/SEC 5000	34.4	48.8	55.2	58.9	59.8	58.4	58.2	57.9	56.9	55.7	53.1	53.1
5000	34.2	50.6	56.0	63.1	64.5	63.4	62.0	62.0	61.6	59.8	57.4	57.4
2000	39.7	48.9	57.4	62.4	63.5	63.7	62.7	61.6	60.3	59.4	57.5	57.5
10000	28.4	43.7	54.8	60.8	63.3	63.3	62.9	63.9	62.6	57.8	52.2	52.2
OVERALL CALCULATED	33.9	40.4	52.6	59.5	63.1	63.4	62.0	61.0	58.1	55.6	51.3	51.3
PAUS	33.9	34.6	40.3	46.0	59.4	60.3	59.6	58.0	55.1	53.4	49.1	49.1
	33.9	43.3	41.2	54.9	56.6	56.6	56.0	55.1	51.5	48.5	44.8	44.8
	33.9	43.0	44.3	49.2	50.0	50.0	50.1	49.5	46.3	43.2	39.5	39.5
	33.9	46.9	70.3	72.3	75.3	75.0	74.3	74.7	72.5	68.6	56.0	56.0
	33.9	73.2	81.0	83.5	87.1	87.0	86.2	85.2	81.0	76.6	68.8	68.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT OEL. NUM. DAT)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SIDELINE 500. FT. (152.40 M)	50	59.4	63.4	67.5	68.4	67.6	67.9	70.1	68.7	69.3	68.9								80	59.4	62.8	66.2	68.2	70.9	70.9	69.9	67.0	65.6	64.0								100	60.1	65.2	66.6	66.4	66.9	69.3	70.7	70.4	68.7	67.8							NFA 1985. RPM	125	54.3	59.1	63.5	65.2	65.2	65.3	64.3	64.2	63.1	62.8							(208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9						
	80	59.4	62.8	66.2	68.2	70.9	70.9	69.9	67.0	65.6	64.0								100	60.1	65.2	66.6	66.4	66.9	69.3	70.7	70.4	68.7	67.8							NFA 1985. RPM	125	54.3	59.1	63.5	65.2	65.2	65.3	64.3	64.2	63.1	62.8							(208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																								
	100	60.1	65.2	66.6	66.4	66.9	69.3	70.7	70.4	68.7	67.8							NFA 1985. RPM	125	54.3	59.1	63.5	65.2	65.2	65.3	64.3	64.2	63.1	62.8							(208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																										
NFA 1985. RPM	125	54.3	59.1	63.5	65.2	65.2	65.3	64.3	64.2	63.1	62.8							(208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																												
(208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																														
NFK 3248. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																
(204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																		
NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																				
(340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																						
AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																								
WF/WF 12:00	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7								800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																										
	800	49.4	59.9	64.3	70.4	69.2	68.2	65.0	62.5	58.4	54.4							VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																												
VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																														
CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																
LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																		
DATE 8/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																				
RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																						
TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																								
FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																										
615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.8	62.8	57.1	53.8	48.9								6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																												
	6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0								8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																																														
	8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7								10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																																																																
	10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																																																																																		
OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																																																																																																				
PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9																																																																																																																																																																																																																																																																																																																																																																																																																																																						

	50	69.2	72.4	76.1	76.8	75.9	76.1	78.3	76.9	77.5	77.2								80	69.5	72.0	75.0	76.7	79.3	79.3	78.2	75.4	74.0	72.3							SIDELINE 200. FT. (60.96 M)	100	73.0	74.8	74.6	75.4	77.5	80.2	80.9	80.0	78.6	75.7								125	70.8	74.9	75.7	75.3	75.6	77.9	79.3	79.0	77.3	76.4								160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6								200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5						
	80	69.5	72.0	75.0	76.7	79.3	79.3	78.2	75.4	74.0	72.3							SIDELINE 200. FT. (60.96 M)	100	73.0	74.8	74.6	75.4	77.5	80.2	80.9	80.0	78.6	75.7								125	70.8	74.9	75.7	75.3	75.6	77.9	79.3	79.0	77.3	76.4								160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6								200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																								
SIDELINE 200. FT. (60.96 M)	100	73.0	74.8	74.6	75.4	77.5	80.2	80.9	80.0	78.6	75.7								125	70.8	74.9	75.7	75.3	75.6	77.9	79.3	79.0	77.3	76.4								160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6								200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																										
	125	70.8	74.9	75.7	75.3	75.6	77.9	79.3	79.0	77.3	76.4								160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6								200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																												
	160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6								200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																														
	200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8								250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																
	250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7								315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																		
	315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4								400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																				
	400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3								500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																						
	500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7								630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																								
	630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2								800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																										
	800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6								1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																												
	1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5								1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																														
	1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8								1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																
	1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2								2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																		
	2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7								2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																				
	2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6								3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																						
	3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6								4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																								
	4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9								5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																										
	5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5								6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																												
	6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9								8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																														
	8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3								10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																																																
	10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																																																																		
OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																				
PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6									85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Run 26/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)											PROC. DATE - MONTH 7 DAY 22 HR. 0.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL 17. FT.	50																	
	63																	
	80																	
VEHICLE (5. M)	100	95.5	89.8	81.8	83.3	85.0	85.5	88.0	88.3	87.5	86.1							121.5
CONFIG G02	125	95.8	91.8	91.8	91.0	90.5	91.3	92.0	91.1	90.5	90.1							129.9
LOC SCHENECTADY	160	97.5	97.8	98.5	98.0	95.5	97.5	98.0	97.1	96.5	94.8							138.7
DATE 6/30/75	200	98.0	95.7	95.5	95.0	94.7	94.0	92.7	90.5	88.8	87.3							127.1
RUN 26/5	250	101.0	99.0	98.0	96.2	96.5	96.7	97.2	95.5	94.5	91.8							138.2
TAPE	315	99.0	98.7	98.5	97.5	97.0	96.8	97.2	96.5	95.0	94.1							130.5
BAR 30.0 HG	400	95.3	93.8	96.0	96.2	95.2	94.3	92.5	92.3	90.8	89.1							127.4
(G1438. N/M2)	500	91.8	90.3	91.0	90.3	89.7	88.8	88.5	86.8	85.3	83.1							122.3
TAMB 82. DEG F	630	91.8	91.3	92.3	92.0	91.2	89.8	89.3	87.6	85.8	83.6							123.4
(301. DEG K)	800	89.8	89.8	92.8	93.3	92.5	90.8	89.8	87.8	86.3	83.3							123.6
T-FT 66. DEG F	1000	88.3	88.0	92.5	92.5	92.5	90.6	89.3	86.8	84.5	82.1							123.3
(292. DEG K)	1250	86.8	87.5	92.8	93.7	92.7	91.1	89.3	86.6	83.8	81.6							123.6
HACT 11.42 GM/H3	1500	85.5	87.3	92.5	94.8	93.5	90.6	89.6	87.2	84.0	80.8							124.0
(G1142 KG/H3)	2000	86.3	88.1	91.8	95.5	93.2	91.4	89.1	86.7	83.5	80.1							124.1
NFA 9417. RPM	2500	90.5	93.8	96.3	99.7	97.9	96.4	93.4	90.2	86.3	82.6							126.8
(936. RAD/SEC)	3150	92.7	95.6	98.5	101.7	100.6	98.3	95.4	92.2	88.5	83.9							130.8
NFK 6215. RPM	4000	93.1	95.3	97.9	100.8	99.6	96.8	93.3	90.2	87.1	83.1							129.7
(965. RAD/SEC)	5000	92.3	95.5	97.9	100.7	100.7	97.2	93.6	90.4	87.1	83.5							130.1
NFD 11517. RPM	6300	94.1	96.6	99.1	100.8	100.7	97.2	93.1	90.0	87.2	84.3							130.4
(1206. RAD/SEC)	8000	93.2	95.8	98.4	100.2	99.2	98.0	94.5	91.2	87.5	84.4							130.1
NG. OF BLADES 18	10000	94.1	97.8	100.8	101.2	100.9	99.1	96.5	93.0	88.7	85.7							131.8
FAN TIP SPEED	12500	94.5	97.1	99.9	100.7	99.7	97.9	96.6	92.2	88.2	85.5							131.3
822. FT/SEC	16000	96.5	95.9	97.9	98.7	98.8	97.5	96.5	91.8	88.0	85.7							130.6
	20000	96.0	95.7	98.1	98.8	98.7	97.8	96.8	92.9	88.9	86.4							131.2
	25000	93.0	95.0	97.7	98.4	98.3	97.2	96.6	93.1	89.0	87.2							131.4
	31500	91.7	94.2	97.1	97.9	97.3	97.4	96.4	92.9	88.5	86.5							131.9
	40000	90.8	91.3	95.2	95.4	95.0	94.3	94.2	90.4	86.3	84.0							130.8
	50000	90.4	88.2	90.7	91.2	93.0	91.1	91.8	85.6	83.4	79.5							128.5
	63000	88.9	83.2	84.7	84.4	87.0	86.0	85.9	78.3	79.4	73.2							128.7
	80000	86.1	83.2	83.2	83.6	84.0	83.7	84.6	74.4	74.7	72.6							128.7
OVERALL MEASURED																		
OVERALL CALCULATED		109.1	109.2	111.2	112.3	111.7	110.2	108.8	106.2	103.9	101.8							143.8
PWDB		118.2	119.7	122.1	124.3	123.4	121.4	119.8	116.3	113.4	110.0							

Run 26/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 20 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F = 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
SIDELINE 500. FT. (152.40 M)	50 67.7	72.2	75.6	76.9	75.6	78.4	79.3	78.5	77.8	75.7
NFA 2652. RPM (278. RAD/SEC)	63 67.7	69.9	72.3	73.6	74.6	74.7	73.9	71.8	69.9	68.0
NFK 2596. RPM (272. RAD/SEC)	80 70.1	72.7	74.5	74.6	76.1	77.2	78.1	76.6	75.4	72.2
NFD 3244. RPM (340. RAD/SEC)	100 67.6	72.1	74.7	75.6	76.4	77.0	78.0	77.4	75.7	74.3
AIRFLOW RATIO WF/WH 12:60	125 63.3	66.7	71.9	74.1	74.4	74.3	73.0	73.0	71.3	69.1
VEHICLE UTHS IM CONFIG G02	160 59.3	62.8	66.6	67.9	68.7	68.6	68.8	67.3	65.6	62.9
LCC SCHENECTADY	200 58.7	63.4	67.6	69.4	70.0	69.4	69.4	67.8	65.9	63.2
DATE 6/30/75	250 56.2	61.5	67.7	70.3	71.0	70.2	69.7	67.9	66.2	62.7
RUN 26/5	315 54.0	59.3	67.1	69.3	70.7	69.7	68.9	66.7	64.2	61.2
TAPE	400 51.9	58.4	67.0	70.2	70.7	70.0	68.7	66.2	63.2	60.5
FAN TIP SPEED 822. FT/SEC	500 50.0	57.6	66.4	70.9	71.1	69.2	68.8	66.5	63.2	59.2
	630 54.2	63.6	69.7	75.5	75.3	74.7	72.3	69.3	65.2	61.0
	800 55.6	64.8	71.5	77.1	77.7	76.4	74.0	71.1	67.1	61.9
	1000 55.1	63.8	70.4	75.9	76.2	74.5	71.7	68.7	65.5	60.8
	1250 53.3	63.3	69.8	75.3	77.0	74.6	71.8	68.6	65.1	60.9
	1600 53.9	63.7	70.4	74.8	76.5	74.1	70.7	67.8	64.6	61.2
	2000 51.6	61.9	69.1	73.7	74.6	74.6	71.7	68.6	64.7	60.9
	2500 51.3	63.1	70.6	74.2	75.9	75.3	73.4	70.0	65.5	61.8
	3150 49.8	61.2	69.0	73.0	74.0	73.5	72.9	68.7	64.5	61.1
	4000 48.7	58.0	65.6	69.8	72.1	72.3	72.0	67.5	63.5	60.4
	5000 46.8	57.0	65.2	69.5	71.7	72.1	72.1	68.4	64.2	60.9
	6300 38.8	53.1	62.4	67.2	69.7	70.3	70.5	67.3	62.9	60.2
	8000 29.8	47.3	58.2	63.8	66.2	68.2	68.2	65.1	60.3	57.3
	10000 18.3	37.6	51.2	57.3	60.6	62.1	63.3	59.9	55.4	51.9
OVERALL CALCULATED	75.3	79.6	84.0	87.0	87.9	87.6	87.0	85.1	83.2	80.7
PND8	77.4	86.9	94.1	97.9	99.3	98.8	97.7	94.4	90.7	87.3

	50 77.5	81.2	84.2	85.3	83.9	86.6	87.5	86.7	86.0	83.9
SIDELINE 200. FT. (60.96 M)	63 77.7	79.1	81.1	82.2	83.0	83.0	82.2	80.1	78.2	76.3
	80 80.5	82.2	83.5	83.3	84.7	85.7	86.6	85.0	83.9	80.7
	100 78.3	81.8	83.9	84.5	85.1	85.6	86.5	86.0	84.3	82.9
	125 74.3	76.6	81.3	83.2	83.3	83.1	81.7	81.7	80.0	77.9
	160 79.6	73.0	76.2	77.1	77.7	77.5	77.7	76.1	74.4	71.8
	200 70.3	73.8	77.3	78.7	79.1	78.4	78.4	76.8	74.9	72.2
	250 68.1	72.2	77.7	79.9	80.3	79.4	78.8	77.0	75.3	71.9
	315 66.3	70.3	77.3	79.0	80.2	79.0	78.2	75.9	73.4	70.5
	400 64.6	69.6	77.4	80.2	80.3	79.5	78.1	75.6	72.6	70.0
	500 63.0	69.2	77.0	81.0	81.0	78.9	78.3	76.1	72.8	68.9
	630 67.7	75.5	80.6	85.9	85.3	84.6	82.0	79.1	74.9	70.8
	800 69.6	77.0	82.7	87.7	87.9	86.4	83.9	81.0	77.0	72.0
	1000 69.7	76.5	82.8	86.7	86.7	84.8	81.8	78.8	75.6	71.1
	1250 68.4	76.4	81.7	86.5	87.8	85.1	82.1	78.9	75.4	71.4
	1600 69.8	77.3	82.7	86.4	87.5	84.9	81.4	78.4	75.5	72.0
	2000 68.4	76.2	81.9	85.7	86.0	85.7	82.7	79.5	75.6	72.1
	2500 68.8	77.9	84.0	86.5	87.6	86.7	84.6	81.2	76.8	73.3
	3150 68.6	76.9	82.9	85.9	86.3	85.4	84.6	80.4	76.2	73.0
	4000 69.6	75.1	80.6	83.6	85.1	84.9	84.4	79.8	75.9	73.0
	5000 68.7	74.8	80.7	83.8	85.2	85.1	84.8	81.1	76.9	73.9
	6300 64.2	73.2	79.8	83.0	84.6	84.5	84.5	81.2	76.9	74.5
	8000 60.4	70.9	78.3	81.9	83.1	84.4	84.0	80.7	76.1	73.4
	10000 56.0	66.2	75.2	78.6	80.3	80.9	81.6	78.0	73.6	70.6
OVERALL CALCULATED	86.5	90.6	95.0	97.9	98.5	97.9	97.0	94.7	92.4	89.9
PND8	94.7	101.5	107.3	110.3	111.1	110.3	109.2	105.8	102.2	99.0

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. SAT)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. 0.															
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	70.9	76.2	78.6	79.9	80.6	75.6	76.0	76.7	76.0	74.4					
(152.40 M)	63	71.9	76.1	78.3	79.4	80.6	77.9	77.1	75.7	74.9	72.4					
NFA 2983. RPM	80	72.6	75.7	78.0	78.6	79.4	80.4	80.1	78.3	77.9	74.7					
(312. PAD/SEC)	100	70.9	75.8	78.7	79.9	79.9	80.7	81.0	80.8	78.4	77.0					
NFK 2911. RPM	125	66.8	70.7	74.9	76.6	77.2	77.3	76.3	75.9	74.5	72.0					
(340. RAD/SEC)	160	63.3	66.8	70.1	71.4	71.9	72.1	72.1	71.2	69.0	66.1					
NFD 3244. RPM	200	62.7	66.7	70.6	72.4	73.0	73.7	72.9	71.0	69.4	66.9					
(340. RAD/SEC)	250	60.2	64.3	70.0	72.6	73.2	73.7	72.4	71.1	69.4	66.1					
AIRFLOW RATIO	315	57.3	62.1	68.9	71.8	72.7	74.5	71.7	69.6	67.4	64.4					
WF/WH 12:50	400	56.1	61.1	68.5	72.5	73.2	75.7	72.2	70.2	66.9	63.7					
VEHICLE CONFIG	500	53.2	59.9	67.1	72.1	73.1	73.7	71.0	69.0	65.9	62.7					
UTSIM G02	630	53.5	60.1	66.5	72.8	73.3	73.0	70.3	68.5	65.9	61.9					
LOC SCHENECTADY	800	55.1	61.8	68.7	74.1	74.4	73.6	71.5	69.2	65.8	62.1					
DATE 6/30/75	1250	58.4	66.6	73.4	77.6	79.3	77.9	75.1	71.6	68.8	64.1					
RUN 26/6	1600	57.0	65.4	72.1	76.0	78.5	76.9	74.6	71.4	68.6	64.1					
TAPE	2000	60.5	69.7	76.1	80.7	82.0	80.1	77.7	73.8	70.3	66.9					
FAN TIP SPEED	2500	54.0	65.0	71.1	74.9	76.3	76.3	75.0	71.3	67.9	63.9					
924. FT/SEC	3150	52.4	65.1	72.2	75.7	77.8	78.2	76.9	73.5	69.3	65.7					
OVERALL CALCULATED	4000	49.7	62.7	70.0	74.0	76.0	75.6	75.3	71.6	67.6	64.4					
PND8	5000	47.1	60.0	67.9	72.2	74.1	73.8	74.9	71.1	68.1	63.4					
	6300	40.4	56.4	65.2	70.5	72.3	73.4	73.9	70.5	67.0	63.0					
	8000	33.1	50.5	60.9	66.7	69.6	70.2	71.4	68.4	64.7	61.0					
	10000	21.9	42.6	55.1	61.8	64.9	67.5	68.2	65.0	61.0	57.5					
		78.7	83.4	87.2	89.8	90.9	90.3	89.2	87.3	85.4	82.8					
		82.0	90.7	97.1	101.2	102.6	102.2	101.0	98.0	94.6	91.1					

SIDELINE 200. FT.	50	80.7	85.2	87.3	88.3	88.9	83.8	84.3	84.9	84.3	82.6					
(60.96 M)	63	82.0	85.3	87.1	88.0	89.0	86.3	85.4	84.1	83.2	80.8					
	80	83.0	85.2	87.0	87.3	87.9	86.9	86.6	86.7	86.3	83.2					
	100	81.5	85.5	87.9	88.8	88.6	89.4	89.5	89.2	87.0	85.6					
	125	77.8	80.6	84.3	85.7	86.0	86.1	85.0	84.6	83.2	80.8					
	160	74.6	77.0	79.7	80.6	81.0	81.0	80.9	80.1	77.9	75.0					
	200	74.3	77.1	80.3	81.7	82.1	82.7	81.9	80.0	78.3	75.9					
	250	72.1	74.9	79.9	82.1	82.5	82.9	81.5	80.2	78.5	75.3					
	315	69.6	73.0	79.0	81.5	82.2	83.8	80.9	78.8	76.7	73.7					
	400	68.0	72.3	78.9	82.4	82.8	85.2	81.6	79.6	76.3	73.2					
	500	66.3	71.4	77.8	82.3	83.0	83.4	80.6	78.5	75.5	72.3					
	630	67.0	72.0	77.4	83.1	83.4	82.8	80.0	78.2	75.6	71.8					
	800	69.1	74.0	80.0	84.7	84.7	83.7	81.4	79.1	75.8	72.2					
	1000	73.7	79.5	85.0	89.3	89.8	88.6	85.8	82.5	79.9	75.8					
	1250	73.5	79.7	85.3	88.8	90.1	88.4	85.4	81.9	79.2	74.6					
	1600	72.9	79.1	84.4	87.5	89.6	87.7	85.2	82.0	79.2	74.9					
	2000	77.2	83.9	88.9	92.6	93.4	91.2	88.7	84.7	81.3	78.0					
	2500	71.6	79.8	84.3	87.2	88.0	87.8	86.2	82.5	79.2	75.3					
	3150	71.2	80.8	86.1	88.6	90.1	90.1	88.6	85.1	81.0	77.6					
	4000	70.6	79.7	85.0	87.8	89.1	88.2	87.7	83.9	80.0	77.0					
	5000	69.1	77.8	83.4	86.5	87.6	86.9	87.7	83.8	80.9	76.4					
	6300	65.8	76.5	82.6	86.3	87.1	87.6	87.9	84.3	80.9	78.1					
	8000	63.6	74.2	81.0	84.8	86.5	86.3	87.1	84.0	80.5	78.0					
	10000	59.7	71.2	79.1	83.1	84.6	86.2	86.4	83.1	79.2	76.2					
OVERALL CALCULATED		89.8	94.3	98.1	100.7	101.5	100.8	99.7	97.3	95.0	92.3					
PND8		98.4	105.0	110.1	113.3	114.2	113.8	112.5	109.4	106.1	102.8					

Run 26/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)											PROC. DATE = MONTH 7 DAY 22 HR. 8.6						
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL 17. FT.	80																		
VEHICLE 5. M	100	99.3	97.5	87.5	85.8	87.3	88.8	90.3	90.5	90.0	88.3								
VEHICLE UTHSIM	125	99.5	98.3	92.5	92.0	92.0	93.3	93.3	92.5	92.0	91.5							129.1	
CONFIG CO2	160	99.3	98.8	97.3	96.3	94.5	93.8	94.3	92.5	92.3	91.3							128.0	
LCC SCHENECTADY	200	104.5	104.0	105.5	104.7	104.5	102.7	100.5	98.7	96.0	95.5							135.0	
DATE 6/30/75	250	104.7	104.2	104.0	102.5	102.5	102.0	101.2	99.7	98.0	95.2							135.2	
RUN 26/7	315	102.5	103.7	104.0	103.2	102.0	102.3	102.0	101.0	99.5	98.5							135.5	
TAPE	400	99.3	99.8	101.5	102.0	101.0	100.3	98.8	98.5	96.0	94.7							133.1	
BAR 30.0 HG	500	98.5	96.3	95.8	96.8	95.7	95.0	94.3	92.8	91.0	88.8							128.2	
101436. N/M2)	630	96.5	96.5	97.3	98.0	96.7	96.1	95.0	93.8	92.0	90.0							129.1	
TAMB 89. DEG F	800	95.0	94.8	96.5	98.5	97.2	96.1	95.0	93.5	91.5	89.5							128.0	
(305. DEG K)	1000	92.0	93.0	95.8	97.3	96.2	95.1	93.8	92.0	89.2	87.3							127.6	
TMET 68. DEG F	1250	91.5	92.1	95.8	98.3	97.5	96.1	95.1	92.8	89.8	86.8							128.4	
(293. DEG K)	1600	90.3	91.3	94.5	97.8	97.0	95.4	93.9	91.6	89.0	86.6							127.7	
HACT11.06 GM/M3	2000	91.3	92.1	94.5	98.5	97.7	96.1	93.9	91.9	89.5	86.1							128.2	
(.01106 KG/M3)	2500	93.8	94.1	96.0	99.0	98.7	96.4	94.4	92.2	89.2	85.6							128.9	
NFA 11767. RPM	3150	98.5	98.8	100.0	102.4	103.2	100.3	98.1	95.2	91.4	87.8							132.8	
(1232. RAD/SEC)	4000	101.4	102.0	102.7	104.8	105.3	102.8	99.6	96.9	93.6	89.5							135.2	
NFK 11441. RPM	5000	100.8	101.2	102.9	104.3	104.7	102.0	99.3	95.9	93.0	89.2							134.7	
(1198. RAD/SEC)	6330	102.4	103.7	104.6	106.1	106.0	103.9	101.1	97.5	94.2	91.0							136.5	
NFD 11517. RPM	8000	102.2	103.1	104.5	105.3	104.7	103.8	100.8	97.7	94.2	91.1							136.0	
(1206. RAD/SEC)	10030	99.9	103.1	105.1	105.7	105.7	105.4	103.8	100.5	96.5	93.4							137.3	
NO. OF BLADES 18	12530	99.6	102.9	104.2	105.0	105.1	104.2	102.7	99.7	95.7	92.5							136.7	
FAN TIP SPEED	16000	98.3	101.5	102.8	103.6	103.6	103.1	102.6	98.6	95.3	92.9							136.0	
1027. FT/SEC	20000	96.4	101.3	103.2	104.2	103.6	103.5	102.9	100.0	96.2	94.2							136.8	
	25000	98.0	101.0	102.9	103.6	103.8	103.4	103.1	100.3	96.7	95.1							137.4	
	31530	94.5	100.5	102.9	103.5	102.9	103.4	103.2	99.9	96.7	94.7							138.1	
	40000	88.8	98.0	101.1	101.1	101.4	101.4	101.9	98.0	94.7	92.9							137.8	
	50000	84.2	96.0	97.5	97.6	99.6	98.7	99.7	94.4	92.2	89.4							136.7	
	63000	81.7	89.8	91.5	91.9	94.1	93.1	93.7	88.0	86.9	83.7							133.6	
	80000	84.0	86.3	86.5	86.9	87.9	87.8	87.7	83.4	85.2	82.7							132.7	
OVERALL MEASURED																			
OVERALL CALCULATED		113.7	114.9	116.0	116.8	116.6	115.6	114.4	111.7	108.9	106.8							149.1	
PND		124.8	125.3	126.2	127.9	127.9	126.0	123.8	121.2	118.4	115.3								

Run 26/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 8.3

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DAT)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	69.4	73.2	74.4	75.1	74.6	74.6	75.5	73.9	73.5	72.1						
	63	74.2	78.1	82.3	83.4	84.4	83.4	81.6	80.0	77.1	76.2						
	80	73.8	78.0	80.5	80.9	82.1	82.4	82.1	80.8	78.9	75.7						
(192.40 M)	100	71.1	77.1	80.2	81.4	81.4	82.5	82.7	81.9	80.2	78.7						
NFA 3314. RPM	125	67.3	72.7	77.4	79.9	80.2	80.3	79.3	79.2	76.5	74.8						
(347. RAD/SEC)	160	64.0	68.8	72.4	74.4	74.7	74.8	74.6	73.2	71.3	68.6						
NFK 3223. RPM	200	63.5	68.7	72.6	75.4	75.5	75.7	75.1	74.1	72.1	69.6						
(337. RAD/SEC)	250	61.4	66.5	71.5	75.6	75.7	75.4	74.9	73.6	71.4	68.9						
NFD 3244. RPM	315	57.8	64.3	70.4	74.0	74.4	74.2	73.4	71.9	68.9	66.4						
(340. RAD/SEC)	400	56.6	62.9	70.0	74.7	75.4	75.0	74.5	72.4	69.2	65.7						
AIRFLOW RATIO	500	54.7	61.6	68.4	73.9	74.6	74.0	73.0	71.0	68.2	65.2						
WF/WM 12.60	630	55.0	61.9	68.0	74.3	75.1	74.5	72.8	71.0	68.4	64.4						
	800	56.6	63.3	69.0	74.4	75.7	74.4	73.0	71.0	67.8	63.6						
VEHICLE UTHS IN	1000	60.4	67.4	72.5	77.4	79.8	78.1	76.4	73.7	69.7	65.5						
CONFIG CO2	1250	62.4	69.9	74.6	79.4	81.1	80.1	77.6	75.1	71.6	66.9						
LOC SCHENECTADY	1600	60.5	68.2	74.1	78.2	80.5	78.9	76.8	73.6	70.6	66.1						
DATE 6/30/75	2000	60.8	69.7	75.2	79.4	81.2	80.4	78.2	74.8	71.3	67.4						
RUN 26/7	2500	59.3	68.3	74.4	78.1	79.6	79.9	77.5	74.6	70.9	67.2						
TAPE	3150	54.9	66.9	73.9	77.8	79.8	80.8	79.9	76.8	72.5	68.8						
FAN TIP SPEED	4000	51.5	64.7	71.6	75.8	78.0	78.6	77.8	75.1	70.9	66.9						
1027. FT/SEC	5000	48.7	62.3	69.4	73.8	76.2	77.2	77.4	73.7	70.2	67.0						
	6300	41.5	58.8	67.3	72.4	74.4	76.0	76.3	73.6	69.6	66.7						
	8000	33.2	53.2	63.1	68.6	71.8	73.3	74.0	71.6	67.6	65.0						
	10000	29.6	45.3	57.6	64.0	67.1	69.9	70.9	68.0	64.4	61.2						
OVERALL CALCULATED		79.6	84.7	88.8	91.3	92.5	92.3	91.4	89.6	87.0	84.6						
PNDP		83.4	92.2	98.4	102.3	104.1	104.4	103.5	100.8	97.2	93.7						

SIDELINE 200. FT.	50	79.2	82.2	83.0	83.6	82.9	82.8	83.8	82.1	81.8	80.3						
	63	84.2	87.3	91.1	92.0	92.8	91.8	89.9	88.3	85.4	84.5						
	80	84.2	87.4	89.5	89.8	90.7	90.9	90.8	89.2	87.3	84.2						
(60.96 M)	100	81.8	86.8	89.4	90.3	90.1	91.1	91.3	90.4	88.8	87.4						
	125	78.3	82.6	86.8	88.9	89.0	89.1	88.0	87.9	85.2	83.5						
	160	75.3	79.0	81.9	83.6	83.7	83.8	83.4	82.1	80.1	77.5						
	200	75.1	79.1	82.3	84.7	84.6	84.7	84.1	83.0	81.1	78.7						
	250	73.4	77.2	81.4	85.1	85.0	84.6	84.0	82.7	80.5	78.1						
	315	70.1	75.3	80.5	83.8	83.9	83.5	82.7	81.1	78.2	75.7						
	400	69.3	74.1	80.4	84.7	85.1	84.5	83.9	81.8	78.6	75.2						
	500	67.8	73.2	79.0	84.0	84.5	83.6	82.6	80.5	77.7	74.8						
	630	68.5	73.7	78.9	84.6	85.1	84.3	82.5	80.7	78.1	74.3						
	800	70.6	75.5	80.2	85.0	86.0	84.4	82.9	80.9	77.8	73.7						
	1000	75.0	80.0	84.0	88.3	90.3	88.3	86.6	83.8	79.9	75.8						
	1250	77.5	83.0	86.5	90.6	92.3	90.7	87.9	85.4	81.9	77.4						
	1600	76.4	81.8	86.4	89.8	91.6	89.7	87.5	84.2	81.2	76.9						
	2000	77.5	83.9	87.9	91.4	92.7	91.5	89.2	85.7	82.3	78.6						
	2500	76.8	83.1	87.6	90.4	91.3	91.3	88.8	85.8	82.2	78.6						
	3150	73.8	82.6	87.9	90.7	92.1	92.7	91.6	88.4	84.3	80.7						
	4000	72.4	81.8	86.5	89.6	91.1	91.3	90.2	87.4	83.3	79.6						
	5000	70.6	80.2	85.0	88.1	89.7	90.2	90.2	86.4	82.9	80.0						
	6300	66.9	78.9	84.7	88.2	89.2	90.2	90.2	87.4	83.5	80.9						
	8000	63.7	76.8	83.2	86.7	88.7	89.5	89.8	87.2	83.4	81.1						
	10000	58.4	73.9	81.5	85.3	86.8	88.7	89.1	86.1	82.7	79.9						
OVERALL CALCULATED		91.0	95.8	99.6	102.1	103.2	102.9	101.9	99.7	96.8	94.3						
PNDP		100.1	106.9	111.7	114.7	115.0	116.1	115.0	112.2	108.7	105.4						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M.)	50	69.7	76.5	78.6	80.4	80.3	76.1	76.0	75.2	74.6	73.4			
	63	69.2	73.1	74.8	76.4	76.9	76.7	75.1	73.2	71.6	69.5			
	80	71.6	75.0	76.8	77.1	78.1	78.9	79.1	78.0	76.7	73.7			
NFA 2851. RPM (298. RAD/SEC)	100	70.1	74.8	77.5	78.4	78.6	79.0	80.2	79.4	78.0	76.0			
	125	66.1	69.2	73.4	75.9	76.2	76.6	75.3	74.4	73.6	70.8			
NFK 2779. RPM (291. RAD/SEC)	160	62.5	65.1	68.6	69.9	70.4	70.8	70.3	69.0	67.1	64.9			
	200	61.5	65.2	69.3	71.1	71.7	71.7	70.9	70.0	68.4	66.2			
NFD 3244. RPM (340. RAD/SEC)	250	58.9	63.3	69.0	71.8	72.2	72.2	71.7	69.6	67.9	65.2			
	315	57.0	61.1	68.1	71.0	71.7	71.5	70.4	68.1	65.7	63.0			
AIRFLOW RATIO	400	54.1	59.9	68.0	71.7	72.4	72.0	70.5	68.7	65.7	62.2			
WFWH 12.60	500	51.7	58.9	66.4	71.4	72.1	71.5	69.8	67.7	64.5	61.0			
	630	54.5	62.1	69.0	74.3	74.6	73.7	71.6	68.8	65.7	61.0			
	800	58.3	66.3	73.0	77.8	79.2	77.1	76.3	72.5	70.1	63.9			
VEHICLE UTMSIM	1000	57.1	65.6	72.4	76.9	78.7	76.8	73.9	70.9	68.0	63.3			
CONFIG G02	1250	56.3	64.9	71.1	75.6	77.8	75.9	74.0	70.6	67.3	63.4			
LOC SCHENECTADY	1600	58.1	67.2	74.2	78.8	80.0	78.6	75.2	71.3	68.8	64.7			
DATE 6/30/75	2000	53.1	63.7	70.6	74.0	75.8	75.6	73.7	70.3	66.7	63.2			
RUN 26/8	2500	52.8	64.9	72.1	75.4	77.4	77.5	75.4	72.5	68.1	64.3			
TAPE	3150	50.8	62.7	70.0	73.7	75.8	75.8	74.7	71.4	67.3	63.6			
FALL TIP SPEED	4000	46.2	59.3	67.8	71.8	74.1	73.8	74.2	69.5	66.5	62.6			
883. FT/SEC	5000	43.5	58.7	66.9	71.2	73.9	73.9	74.5	70.3	66.6	63.5			
	6300	37.8	54.8	64.4	68.9	72.0	72.0	72.3	69.5	65.7	62.7			
	8000	28.3	49.3	60.7	65.6	69.0	70.5	70.2	67.3	63.1	59.5			
	10000	12.1	39.9	52.5	58.8	63.4	64.4	65.8	62.1	58.9	54.6			
OVERALL CALCULATED		77.3	82.4	86.1	88.8	89.9	89.1	88.3	86.2	84.3	81.7			
PND8		79.4	88.8	95.7	99.3	101.1	100.8	99.6	96.5	93.1	89.6			

ORIGINAL PAGE IS OF POOR QUALITY

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)
SIDELINE 200. FT. (60.96 M.)	50	79.5	85.5	87.3	88.8	88.6	84.3	84.3	83.4	82.8	81.7			
	63	79.2	82.3	83.6	85.0	85.3	85.0	83.4	81.6	80.0	77.8			
	80	82.0	84.4	85.8	85.8	86.7	87.4	87.6	86.5	85.1	82.2			
	100	80.8	84.5	86.7	87.3	87.4	87.6	88.8	87.9	86.6	84.7			
	125	77.1	79.1	82.8	84.9	85.0	85.3	84.0	83.1	82.3	79.6			
	160	73.8	75.2	78.2	79.1	79.5	79.7	79.2	77.8	75.9	73.8			
	200	73.1	75.6	79.1	80.5	80.9	80.7	79.9	79.0	77.4	75.2			
	250	70.9	73.9	78.9	81.4	81.5	81.4	80.8	78.7	77.0	74.4			
	315	69.3	72.0	78.3	80.8	81.2	80.8	79.7	77.3	74.9	72.3			
	400	66.8	71.1	78.4	81.7	82.1	81.5	79.9	78.1	75.1	71.7			
	500	64.8	70.4	77.0	81.5	82.0	81.1	79.3	77.3	74.0	70.7			
	630	68.0	74.0	79.9	84.6	84.6	83.6	81.3	78.5	75.4	70.8			
	800	72.3	78.5	84.2	88.5	89.4	87.2	86.2	82.4	80.0	74.0			
	1000	71.7	78.2	84.0	87.7	89.2	87.0	84.1	81.0	78.1	73.6			
	1250	71.4	77.9	83.0	86.8	88.5	86.4	84.4	80.9	77.7	73.9			
	1600	74.0	80.8	86.5	90.4	91.1	89.4	85.9	81.9	79.5	75.5			
	2000	69.9	77.9	83.4	85.9	87.2	86.7	84.7	81.2	77.6	74.3			
	2500	70.3	79.7	85.3	87.8	89.1	88.9	86.8	83.7	79.3	75.8			
	3150	69.6	78.4	83.9	86.6	88.1	87.7	86.4	83.1	79.0	75.5			
	4000	67.1	76.3	82.8	85.6	87.1	86.4	86.6	81.8	78.9	75.2			
	5000	65.5	76.5	82.5	85.5	87.4	86.9	87.3	83.0	79.4	76.7			
	6300	63.2	74.9	81.8	84.7	86.8	86.3	86.2	83.4	79.6	77.0			
	8000	58.9	72.9	80.8	83.7	85.9	86.6	86.0	82.9	78.8	75.7			
	10000	49.8	68.4	76.5	80.2	83.1	83.1	84.1	80.2	77.1	73.4			
OVERALL CALCULATED		88.4	93.0	96.9	99.5	100.5	99.6	98.7	96.1	93.8	91.1			
PND8		95.5	103.3	108.8	111.6	112.9	112.3	111.2	107.9	104.6	101.3			

Run 26/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)													PROC. DATE - MONTH 7 DAY 22 HR. 8.0			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.	50																	
	63																	
	80																	
VEHICLE 5. M	100	96.8	90.8	82.8	83.8	85.5	87.0	88.5	89.1	88.3	86.6							122.3
CONFIG UTHSIM	125	97.0	92.8	91.3	90.8	90.8	92.0	92.0	91.3	91.0	90.3							123.4
LOC SCHENECTADY	160	98.5	98.8	98.8	99.5	97.3	96.5	96.5	95.8	95.0	94.3							130.7
DATE 6/30/75	200	99.0	96.5	96.2	96.0	95.2	94.7	92.7	90.5	89.0	88.1							127.8
RUN 26/9	250	101.7	99.7	98.5	97.0	97.2	97.2	97.5	95.8	94.5	92.0							130.8
TAPE	315	99.5	100.0	100.2	98.7	98.0	97.8	98.5	97.3	95.8	95.1							131.8
BAR 30.0 HG	400	96.0	95.0	96.5	97.0	96.0	95.3	93.8	93.3	92.0	89.8							128.3
(01438. N/M2)	500	93.5	91.0	92.0	91.3	90.7	89.8	89.5	88.3	86.3	84.1							123.4
TAMP 84. DEG F	630	93.0	91.8	92.8	93.0	92.0	91.1	90.3	88.8	87.0	84.6							124.3
(302. DEG K)	800	91.5	90.5	93.5	93.8	92.7	92.1	90.5	88.8	87.0	84.6							124.8
TRET 67. DEG F	1000	89.0	89.0	93.2	93.5	93.2	92.1	90.3	87.8	85.0	82.3							124.3
(293. DEG K)	1250	87.3	88.6	94.3	95.5	94.0	92.3	90.6	88.4	85.0	83.1							129.1
MACT 11.66 GM/M3	1600	86.5	87.8	92.5	95.0	94.2	92.4	91.1	87.9	84.8	82.1							124.7
(.01166 KG/M3)	2000	86.0	88.8	92.0	95.5	94.2	91.6	89.9	87.5	84.8	80.9							124.6
NFA 5758. RPM	2500	90.5	92.8	96.3	99.0	96.7	95.1	92.6	90.0	86.5	82.9							127.8
(1021. RAD/SEC)	3150	93.2	98.6	99.3	102.7	101.1	98.6	95.9	92.5	97.2	86.1							131.8
NFK 5529. RPM	4000	93.9	96.5	99.2	101.8	101.1	97.5	94.8	91.5	86.1	84.8							130.9
(998. RAD/SEC)	5000	93.1	95.7	98.9	100.5	100.5	97.7	94.8	91.2	87.8	85.5							130.4
NFD 11517. RPM	6300	96.1	98.4	101.6	103.5	102.2	99.2	95.6	92.0	89.2	87.3							132.8
(1206. RAD/SEC)	8000	93.2	98.6	99.2	100.5	99.5	98.8	95.8	92.5	88.5	85.7							130.7
NO. OF BLADES 18	10000	94.1	98.5	101.3	102.2	101.7	100.6	98.3	94.0	89.7	87.4							132.8
FAN TIP SPEED	12500	94.3	97.4	100.7	101.2	101.2	98.9	97.9	93.7	89.5	87.0							132.2
852. FT/SEC	16000	92.7	96.8	99.2	100.0	99.3	98.3	97.5	93.3	89.0	86.9							131.4
	20000	91.0	96.9	99.1	99.5	99.4	98.4	98.3	94.4	89.9	87.9							132.0
	25000	90.5	96.0	98.4	98.9	99.1	98.2	98.3	94.4	90.2	88.4							132.4
	31500	88.7	94.7	98.1	98.7	98.3	98.1	97.9	94.4	90.5	87.2							132.9
	40000	82.9	93.1	95.7	95.9	96.3	95.5	96.0	90.9	87.5	85.3							131.9
	50000	79.7	89.7	91.9	92.3	94.0	92.6	93.6	87.2	85.0	81.6							130.7
	63000	79.6	84.5	86.2	86.2	88.3	87.1	87.5	80.3	78.9	74.8							127.8
	80000	82.9	83.7	83.3	83.7	84.1	84.3	84.7	75.2	75.0	73.0							128.7
OVERALL MEASURED																		
OVERALL CALCULATED		109.3	110.1	112.1	113.1	112.4	111.0	109.8	106.9	105.1	102.6							144.7
PND8		119.1	120.6	123.1	125.1	124.0	121.9	119.8	116.9	117.6	111.6							

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 8.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 76 PERCENT REL. HUM. 5AV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDELINE 500. FT. (152.40 M.)	50	68.7	73.2	75.9	78.4	77.3	77.4	77.8	77.2	76.3	75.2
NFA 2748. RPM (128. RAD/SEC)	63	68.7	70.6	73.1	74.8	75.1	75.4	73.9	71.8	70.1	68.7
NFK 2684. RPM (121. RAD/SEC)	80	70.8	73.5	75.0	75.4	78.9	77.7	78.4	76.8	75.4	72.5
NFD 3244. RPM (140. RAD/SEC)	100	68.1	73.3	76.5	76.9	77.4	78.0	79.2	78.2	76.5	75.3
AIRFLOW RATIO	125	64.1	68.0	72.4	74.9	75.2	75.3	74.3	74.0	72.6	69.8
WF/WH 12.60	160	61.0	63.6	67.6	68.9	69.7	69.6	69.8	68.8	66.6	63.9
VEHICLE CONFIG	200	60.0	63.9	68.1	70.4	70.7	70.7	70.4	69.1	67.1	64.2
LCC SCHEDULE	250	57.9	62.3	68.5	70.8	71.2	71.4	70.4	68.9	66.9	63.9
DATE 6/30/75	315	54.8	60.3	67.9	70.3	71.4	71.2	69.9	67.7	64.7	61.5
RUN 26/9	400	52.4	59.4	68.5	72.0	71.9	71.2	70.0	68.0	64.5	62.0
TAPE	500	51.0	58.1	66.4	71.1	71.9	71.0	70.3	67.3	64.0	60.7
FAN TIP SPEED	630	54.2	62.6	69.7	74.8	74.1	73.5	71.6	69.1	65.4	61.2
852. FT/SEC	800	56.1	65.8	72.2	78.1	78.2	76.6	74.5	71.3	67.9	64.2
OVERALL CALCULATED	1000	55.9	65.1	71.7	76.9	77.7	75.3	73.2	70.0	66.5	62.6
PNDB	1250	54.1	63.6	70.8	75.1	76.8	75.1	72.8	69.4	65.8	62.9
	1600	55.9	65.4	72.9	77.6	78.0	76.1	73.2	69.8	66.2	64.2
	2000	51.6	62.7	69.8	74.0	74.8	75.3	73.0	69.9	65.7	62.2
	2500	51.3	63.9	71.3	75.2	76.6	76.8	75.1	71.0	66.6	63.6
	3150	49.5	61.4	69.8	73.5	75.5	74.5	74.2	70.2	65.8	62.6
	4000	45.0	59.0	66.8	71.1	72.6	73.0	73.0	69.0	64.5	61.6
	5000	41.8	58.2	66.2	70.2	72.4	72.9	73.5	69.9	65.1	62.4
	6300	36.3	54.1	63.2	67.7	70.5	71.3	72.3	68.6	64.2	61.4
	8000	26.8	47.8	59.2	64.6	67.3	69.0	69.7	66.6	62.3	58.0
	10000	10.3	39.4	51.7	57.8	61.8	63.4	65.1	60.4	56.6	53.1
	OVERALL CALCULATED	76.2	80.8	84.9	88.0	88.6	88.2	87.6	85.6	84.0	81.3
	PNDB	77.7	87.7	94.9	98.8	100.1	99.9	98.9	95.6	92.0	88.7

SIDELINE 200. FT. (60.96 M.)	50	78.5	82.2	84.5	86.8	85.6	85.6	86.0	85.4	84.5	83.4
	63	78.7	79.8	81.9	83.2	83.5	83.8	82.2	80.1	78.5	77.1
	80	81.2	82.9	84.0	84.1	85.4	86.2	86.8	85.3	83.9	81.0
	100	78.8	83.0	85.7	85.8	86.1	86.6	87.8	86.7	85.1	83.9
	125	75.1	77.9	81.8	83.9	84.0	84.1	83.0	82.7	81.3	78.6
	160	72.3	73.7	77.2	78.1	78.7	78.5	78.7	77.6	75.4	72.8
	200	71.6	74.3	77.8	79.7	79.9	79.7	79.4	78.0	76.1	73.2
	250	69.9	72.9	78.4	80.4	80.5	80.6	79.5	78.0	76.0	73.1
	315	67.1	71.3	78.0	80.0	80.9	80.5	79.2	76.9	73.9	70.8
	400	65.1	70.6	78.9	81.9	81.6	80.7	79.4	77.4	73.9	71.5
	500	64.0	67.7	77.0	81.3	81.7	80.6	79.8	76.8	73.5	70.4
	630	67.7	74.5	80.7	85.1	84.1	83.3	81.3	78.8	75.2	71.1
	800	70.1	78.0	83.5	88.7	88.4	86.7	84.4	81.2	85.8	74.2
	1000	70.4	77.7	83.2	87.7	88.2	85.5	83.3	80.1	76.6	72.8
	1250	69.2	76.7	82.7	86.3	87.5	85.6	83.1	79.7	76.2	73.4
	1600	71.8	79.0	85.2	89.1	89.1	86.9	83.9	80.4	77.5	75.0
	2000	68.4	76.9	82.6	85.9	88.2	86.4	83.9	80.8	76.6	73.3
	2500	68.8	78.7	84.5	87.5	88.4	88.2	86.4	82.2	77.8	75.0
	3150	68.4	77.1	83.7	86.4	87.8	86.4	85.9	81.9	77.5	74.5
	4000	65.8	76.1	81.8	84.8	85.6	85.6	85.4	81.3	76.9	74.2
	5000	63.7	76.0	81.7	84.5	85.9	85.9	86.3	82.6	77.9	75.4
	6300	61.7	74.2	80.6	83.5	85.3	85.5	86.2	82.5	78.2	75.7
	8000	57.4	71.4	79.3	82.7	84.1	85.1	85.5	82.2	78.1	74.2
	10000	46.1	67.9	75.7	79.2	81.6	82.1	83.3	78.5	74.9	71.9
	OVERALL CALCULATED	87.1	91.5	95.9	98.8	99.3	98.7	98.0	95.4	93.5	90.6
	PNDB	94.1	102.3	108.1	111.1	112.0	111.4	110.4	107.0	103.5	100.3

Run 26/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 0.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. P. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
	50																	
	63																	
RADIAL	17. FT.	80																
	(5. M)	100	92.8	86.8	81.3	82.5	85.0	86.3	87.5	87.8	87.0	85.6						128.3
VEHICLE	UTMSIM	125	94.3	90.8	91.5	90.8	90.3	92.3	93.3	92.6	92.0	91.8						125.6
CONFIG	CO2	160	96.0	96.0	97.5	96.3	94.8	97.3	98.5	97.3	97.5	97.1						138.7
LOC	SCHENECTADY	200	94.7	93.2	93.0	93.0	92.7	92.7	90.5	88.3	87.0	85.6						125.8
DATE	6/30/75	250	99.0	97.7	96.2	94.5	95.0	95.2	95.7	94.3	93.0	90.3						128.7
RUN	26/10	315	97.0	97.5	96.7	95.7	94.2	95.0	95.3	94.8	93.3	92.3						128.7
TAPE		400	92.8	91.8	94.0	93.5	93.2	92.0	90.5	90.1	88.5	87.1						125.1
BAR	30.0 HG	500	89.5	88.0	89.0	88.0	87.0	86.5	86.3	84.8	83.3	81.1						120.1
	(01438. N/M2)	630	88.3	89.3	90.5	90.5	89.5	88.3	87.3	86.1	83.5	81.8						121.5
TAN	82. DEG F	800	86.8	86.0	91.3	91.5	90.5	89.8	87.8	85.6	83.8	81.6						122.1
	(301. DEG F)	1000	84.5	86.8	91.0	91.5	90.7	89.3	87.5	84.8	82.3	79.8						121.7
TAN	67. DEG F	1250	84.0	86.0	91.8	93.2	91.7	89.8	88.3	85.4	82.3	79.3						122.6
	(293. DEG K)	1600	82.0	85.8	92.0	94.0	92.5	89.6	87.9	84.9	82.3	79.1						122.8
HACT	12.24 GH/M3	2000	82.5	87.1	91.3	94.0	92.5	90.1	87.4	85.0	82.0	78.1						122.9
	(.01224 KG/M3)	2500	89.0	93.3	97.5	101.5	97.9	97.1	95.1	91.7	88.0	82.4						129.6
NFA	8827. RPM	3150	89.0	93.3	97.0	100.7	98.4	95.3	92.9	89.7	86.2	81.9						128.8
	(924. PAD/SEC)	4000	89.4	93.0	96.7	99.1	97.5	94.3	91.6	87.9	85.1	81.5						127.8
NFK	8638. RPM	5030	92.8	97.4	101.6	102.2	104.0	98.7	96.8	93.7	90.3	85.0						132.7
	(904. RAD/SEC)	6300	89.6	94.1	97.3	98.8	98.0	94.7	91.6	88.0	85.0	81.8						128.1
NFD	11517. RPM	8000	88.4	94.3	98.9	98.5	97.7	96.0	92.8	88.9	85.7	82.1						128.3
	(1206. RAD/SEC)	10000	89.6	95.8	98.5	99.1	99.2	97.1	94.5	90.4	86.2	83.1						129.7
NO. OF BLADES	18	12500	88.5	94.8	97.4	97.9	97.9	96.1	94.1	89.4	85.7	82.2						128.8
FAN TIP SPEED		16000	87.4	93.6	95.9	96.9	96.7	95.2	94.2	89.5	85.2	82.3						128.3
	771. FT/SEC	20000	86.4	93.1	96.0	96.7	97.1	96.1	95.0	90.5	86.3	83.3						129.1
		25000	85.9	92.4	95.8	96.0	96.2	95.3	94.7	90.2	86.4	83.8						129.2
		31500	83.8	91.5	95.2	95.5	95.1	95.0	93.9	89.7	86.0	82.3						129.4
		40000	78.4	89.4	92.2	92.7	92.8	92.0	91.8	86.4	83.3	80.3						128.1
		50000	76.3	86.1	88.4	88.7	90.4	88.3	88.8	82.1	80.4	76.5						126.8
		63000	77.7	81.8	82.3	82.7	84.8	83.9	82.8	75.4	75.7	70.8						123.8
		86000	82.3	82.7	82.7	83.1	83.5	83.2	75.9	73.3	73.9	71.9						127.8
OVERALL MEASURED																		
OVERALL CALCULATED			105.9	107.6	110.0	111.1	110.6	108.7	107.6	104.9	103.1	101.4						142.3
PND8			115.9	119.1	122.4	123.5	123.7	120.4	118.6	115.8	113.0	109.3						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. 5AV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	0.	0.	0.	0.	0.	0.
	50	66.2	70.5	74.6	75.1	74.8	78.1	79.8	78.7	78.8	77.9						
	63	64.4	67.4	69.8	71.6	72.6	73.4	71.6	69.5	68.1	66.2						
SIDELINE 500. FT.	80	68.1	71.5	72.8	72.9	74.6	75.7	76.6	75.3	73.9	70.7						
(152.40 M)	100	65.6	70.8	73.0	73.9	73.6	75.2	76.0	75.7	74.0	72.5						
NFA 2486. RPM	125	60.8	64.7	69.9	71.4	72.4	72.1	71.0	70.7	69.1	67.1						
(260. RAD/SEC)	160	57.0	60.6	64.6	65.6	65.9	66.3	66.6	65.3	63.6	60.9						
NFK 2433. RPM	200	55.2	61.4	65.8	67.9	68.2	67.9	67.4	66.3	63.6	61.4						
(255. RAD/SEC)	250	53.2	59.8	66.2	68.6	69.0	69.2	67.7	65.6	63.7	60.9						
NFD 3244. RPM	315	50.3	59.1	65.6	68.3	68.9	68.5	67.2	64.7	61.9	59.0						
(340. RAD/SEC)	400	49.1	58.9	66.0	69.7	69.7	68.7	67.8	65.0	61.7	58.2						
AIRFLOW RATIO	500	46.5	56.1	65.9	70.1	70.1	68.2	67.0	64.3	61.5	57.7						
WF/WM 12.60	630	46.2	56.9	64.7	69.8	69.8	68.5	66.3	64.1	60.9	56.5						
	800	51.8	62.5	70.5	76.9	74.9	75.1	73.7	70.5	66.6	60.4						
VEHICLE UTMS/M	1000	50.9	61.9	69.5	75.7	75.0	73.0	71.2	68.2	64.5	59.6						
CONFIG G02	1250	50.4	60.9	68.6	73.6	73.8	71.6	69.6	65.1	63.1	58.9						
LOC SCHENECTADY	1600	52.5	64.4	72.9	76.2	79.7	75.6	74.3	71.4	67.8	61.9						
DATE 6/30/75	2000	48.0	60.2	67.9	72.2	73.2	71.1	68.7	65.3	62.1	58.2						
RUN 26/10	2500	45.5	59.5	66.8	71.3	72.5	72.1	69.5	65.9	62.6	58.2						
TAPE	3150	44.6	59.6	67.4	71.2	73.2	72.4	70.6	66.8	63.5	58.5						
FAN TIP SPEED	4000	40.4	56.6	64.7	68.7	70.9	70.5	69.2	64.8	61.6	56.6						
771. FT/SEC	5000	37.7	54.4	62.5	67.2	69.3	69.2	66.0	64.5	60.0	56.4						
	6300	31.6	50.5	60.1	64.9	67.9	68.9	66.3	64.1	59.6	55.7						
	8000	23.1	44.6	56.0	61.0	64.2	65.2	65.7	61.5	57.3	53.7						
	10000	9.9	36.4	49.9	56.0	59.3	61.4	61.6	57.8	53.7	48.7						
OVERALL CALCULATED		73.1	77.9	82.6	85.7	86.5	86.0	85.7	83.9	82.5	80.6						
PNDB		73.6	84.7	92.4	96.1	98.1	96.9	95.6	92.3	88.8	84.8						

ORIGINAL PAGE IS OF POOR QUALITY

	50	76.0	79.5	83.2	83.6	83.1	86.3	88.0	86.9	87.0	86.2						
	63	74.5	78.6	80.2	81.0	81.8	79.9	77.9	76.5	74.6							
SIDELINE 200. FT.	80	78.5	80.9	81.8	81.6	83.2	84.2	85.1	83.8	82.4	79.2						
(60.96 M)	100	76.3	80.5	82.2	82.8	82.4	83.9	84.5	84.2	82.6	81.2						
	125	71.8	74.6	79.3	80.4	81.3	80.8	79.7	79.4	77.8	75.9						
	160	68.3	70.7	74.2	74.6	75.0	75.2	75.4	74.1	72.4	69.8						
	200	66.8	71.8	75.6	77.2	77.4	76.9	76.4	75.3	72.6	70.5						
	250	65.1	70.4	76.2	78.1	78.3	78.4	76.8	74.7	72.8	70.1						
	315	62.6	69.0	75.8	78.0	78.4	77.8	76.5	73.9	71.2	68.3						
	400	61.8	68.1	76.4	79.7	79.3	78.2	77.2	74.4	71.1	67.7						
	500	59.5	67.7	76.5	80.3	80.0	77.9	76.6	73.8	71.0	67.4						
	630	59.7	68.7	75.6	80.1	79.9	78.3	76.0	73.8	70.7	66.3						
	800	65.8	74.7	81.7	87.5	85.2	85.2	83.7	80.4	76.6	70.5						
	1000	65.5	74.5	81.0	86.5	85.5	83.3	81.3	78.3	74.7	69.8						
	1250	65.5	73.9	80.5	84.8	84.6	82.1	79.9	76.4	73.5	69.4						
	1600	68.4	78.0	85.2	87.8	90.8	86.4	85.0	82.0	78.5	72.7						
	2000	64.7	74.4	80.7	84.1	84.6	82.2	79.7	76.2	73.0	69.3						
	2500	63.0	74.3	80.0	83.6	84.3	83.5	80.7	77.1	73.7	69.6						
	3150	63.4	75.3	81.3	84.1	85.5	84.3	82.3	78.4	74.0	70.4						
	4000	61.3	73.7	79.7	82.5	84.0	83.1	81.6	77.1	73.2	69.3						
	5000	59.7	72.2	78.1	81.4	82.8	82.3	81.8	77.3	72.8	69.4						
	6300	56.9	70.6	77.5	80.7	82.7	82.7	82.2	78.0	73.6	70.0						
	8000	53.6	68.2	76.1	79.1	81.1	81.4	81.4	77.1	73.1	69.8						
	10000	47.6	64.9	73.8	77.3	79.1	80.2	79.9	75.9	72.0	67.5						
OVERALL CALCULATED		83.9	88.8	93.6	96.5	97.2	96.3	95.6	93.3	91.5	89.4						
PNDB		89.5	99.5	105.6	108.6	109.7	108.6	107.1	103.7	100.1	96.4						

Run 27/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM., DAY)

PROC. DATE = MONTH 7 DAY 26 NR. 0.1

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)											PWL						
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)		0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
50																		
63																		
80																		
RADIAL 17. FT. (5. M)	100	87.5	81.6	78.8	81.2	84.5	86.8	88.0	86.3	88.5	87.8							128.3
VEHICLE UTMSIM	125	90.8	88.1	86.8	87.3	89.3	89.3	92.0	94.0	93.3	94.8							128.1
COM.FIG GO4	160	88.8	85.1	90.1	89.3	87.3	87.0	88.3	87.6	88.8	88.3							128.9
LOC SCHEMECTADY	200	89.5	88.9	88.8	89.8	93.5	90.3	88.0	86.0	84.5	83.3							121.0
DATE 6/30/75	250	93.8	92.4	89.3	88.8	89.7	91.0	91.5	90.5	89.5	87.0							124.1
RUN 27/1	315	93.0	93.1	91.3	88.8	88.2	90.0	90.5	90.3	88.3	87.8							123.7
TAPE	400	85.8	86.6	88.3	88.8	86.0	85.8	84.5	83.8	83.0	81.3							119.1
BAP 30.0 HG	500	82.8	83.9	82.8	81.5	80.4	80.3	79.8	78.3	77.3	75.1							114.0
(3)279. N/M2	630	83.8	85.9	86.3	86.3	84.5	83.0	81.8	80.1	78.2	76.1							118.0
TAPB 83. DEG F	800	87.6	85.9	87.8	87.5	86.2	84.6	83.0	80.8	78.3	75.9							117.0
(301. DEG F)	1000	80.3	85.9	88.4	87.5	87.2	85.8	83.3	80.3	77.0	74.6							118.0
T.C.T 88. DEG F	1250	83.8	85.2	90.1	90.3	88.7	86.0	85.3	83.1	78.3	75.6							120.0
(293. DEG F)	1600	82.8	85.0	90.1	91.3	89.0	87.4	84.9	83.4	78.6	75.6							120.4
HACT 12.80 CM/MS	2000	86.6	92.0	96.9	97.3	96.0	94.1	91.9	90.0	85.0	80.6							120.0
(.0)1290 KG/MS	2500	88.0	93.5	97.4	98.7	97.2	95.9	93.1	90.2	86.5	81.4							120.8
NFA 7077. RPM	3150	87.5	91.7	94.6	96.7	95.9	94.0	91.1	88.5	84.0	80.1							128.4
(741. KAS/SEC)	4000	92.2	97.6	102.3	104.6	105.3	99.1	97.1	94.5	88.4	87.6							133.0
NFK 6010. RPM	5000	89.6	95.6	98.2	100.3	99.5	96.0	93.3	89.0	85.8	82.7							129.0
(724. RAD/SEC)	6300	88.4	94.0	96.7	99.0	99.5	98.7	96.4	91.0	89.0	83.9							130.8
NFD 11.17. RPM	8000	88.5	94.4	96.7	98.0	96.9	96.3	93.0	88.2	84.7	80.9							128.1
(1286. FAS/SEC)	10000	83.1	95.1	97.5	97.9	96.9	96.3	93.5	89.2	84.9	80.9							128.9
NO. OF BLADES 1A	12500	87.8	93.5	95.7	96.7	95.9	94.9	93.3	88.1	82.9	79.5							128.5
FAN TIP SPEED	16000	85.4	90.7	93.4	94.2	93.2	92.2	90.7	84.0	80.4	77.3							127.5
618. FT/SEC	20000	82.9	89.7	92.0	93.0	92.3	90.8	89.7	84.0	79.0	75.5							124.4
	25000	81.6	88.0	90.1	90.5	90.1	88.3	87.2	82.9	77.3	74.5							122.0
	31500	78.3	86.0	88.9	89.2	88.1	86.9	85.4	81.1	76.2	72.7							122.2
	40000	72.0	82.9	85.6	85.1	85.4	83.7	83.4	78.5	73.4	70.7							120.9
	50000	68.5	79.8	81.5	81.3	82.3	80.2	80.0	74.4	71.5	68.4							118.0
	63000	68.1	74.5	75.2	75.6	76.4	75.8	75.1	69.4	69.8	67.4							110.3
	80000	72.2	73.3	72.5	73.4	73.3	73.5	73.0	70.9	73.4	70.9							119.3
OVERALL MEASURED																		
OVERALL CALCULATED		102.3	105.7	108.6	109.9	109.7	107.3	105.4	102.5	100.3	98.9							148.6
PMCP		114.6	119.0	122.5	124.1	124.1	120.5	118.4	115.8	111.5	109.5							

Run 27/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 24 HR. 0.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F. 70 PERCENT REL. HUM. DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RAD) (ANS)															
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	10.35	(0.52)	(0.73)	(0.87)	(1.05)	(1.22)	(1.43)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
SIDELINE 500. FT. (152.40 M)	50	58.9	62.6	67.2	68.2	67.3	67.9	69.6	69.0	69.3	69.2					
NFA 1993. RPM (239. RAD/SEC)	63	59.2	63.0	65.7	68.4	70.4	70.9	69.1	67.3	65.6	64.0					
NFK 1349. RPM (224. RAD/SEC)	80	62.9	66.1	65.8	67.2	69.4	72.0	72.4	71.6	70.4	67.5					
NFD 3241. RPM (340. RAD/SEC)	100	61.6	66.5	67.6	66.9	67.7	70.3	71.2	71.2	69.0	67.5					
AIRFLOW RATIO	125	53.9	59.6	64.3	65.2	65.2	65.6	65.0	64.5	63.4	61.3					
HP/HM 12-60	160	50.3	56.4	58.4	59.1	59.7	60.1	60.1	58.8	57.6	54.9					
VEHICLE CONFIG	200	50.8	53.1	61.5	63.5	63.2	63.2	61.9	60.3	58.1	55.7					
LCC SCHEMECTADY	250	47.0	57.6	62.3	62.5	64.7	64.3	62.9	60.6	58.2	55.2					
DATE 6/30/75	315	46.1	57.2	63.4	65.5	65.5	64.7	63.0	60.2	56.7	53.7					
FAN TIP SPEED	400	43.9	56.0	64.3	66.7	66.7	65.6	64.8	62.7	57.7	54.5					
618. FT/SEC	500	47.3	55.3	64.3	67.4	66.6	66.0	64.0	62.3	58.0	54.2					
OVERALL CALCULATED	630	50.2	61.7	70.3	73.1	73.3	72.5	70.8	69.1	63.9	59.0					
	800	50.9	62.6	70.3	73.4	74.2	73.0	71.7	69.0	65.1	59.4					
	1000	49.5	60.3	67.1	71.7	72.6	72.3	69.4	67.0	62.3	57.8					
	1250	53.1	65.5	74.2	79.2	81.6	76.7	75.1	72.6	66.4	64.9					
	1600	49.3	62.5	70.2	74.2	75.2	72.9	70.8	67.6	63.3	59.6					
	2000	45.6	60.0	67.2	73.2	74.7	75.1	73.5	68.3	66.1	59.9					
	2500	45.5	59.5	66.9	70.9	71.8	72.3	69.7	65.1	61.4	56.9					
	3150	43.1	59.0	66.4	70.0	71.0	71.7	69.6	65.5	61.0	56.3					
	4000	39.7	55.3	63.0	67.5	68.9	69.3	68.5	63.5	58.1	53.9					
	5000	35.3	51.5	60.1	64.4	65.7	66.3	65.5	60.0	55.2	51.3					
	6300	28.1	47.1	56.1	61.1	63.1	63.2	63.0	57.6	52.3	47.9					
	8000	18.8	40.1	50.2	55.4	58.1	58.2	58.1	54.2	48.3	44.4					
	10000	4.4	30.9	43.6	49.7	52.3	53.4	53.1	49.2	43.9	39.2					
	PR22	68.1	74.6	80.6	84.3	85.7	84.3	82.9	80.6	77.7	75.3					
		70.8	83.5	90.7	94.6	96.1	95.7	94.2	90.3	86.7	82.1					

	50	68.7	71.6	75.8	76.6	75.6	76.1	77.8	77.2	77.5	77.4					
SIDELINE 200. FT. (60.96 M)	63	69.3	72.2	74.5	77.0	78.8	79.3	77.4	75.6	74.0	72.3					
	80	73.3	75.6	74.8	75.9	78.0	80.5	80.9	80.0	78.9	76.0					
	100	72.3	76.2	76.7	75.8	78.4	78.9	79.8	79.7	77.6	76.4					
	125	64.9	59.5	73.6	75.5	74.1	74.4	73.7	73.2	72.3	70.1					
	160	61.6	66.6	68.0	68.4	68.7	69.0	68.9	67.6	66.4	63.8					
	200	62.4	66.5	71.4	73.0	72.4	72.2	70.9	69.3	67.1	64.7					
	250	58.9	68.3	72.8	74.2	74.0	73.2	72.0	70.0	67.3	64.4					
	315	58.4	68.1	73.6	75.3	74.9	74.1	72.2	69.4	65.9	63.0					
	400	61.6	67.2	74.8	76.7	76.3	75.0	74.2	72.1	67.1	64.0					
	500	60.3	66.9	74.6	77.6	76.5	75.7	73.6	72.3	67.5	63.9					
	630	63.6	73.6	81.2	83.4	83.4	82.3	80.5	78.8	73.7	68.6					
	800	64.9	74.9	81.5	84.0	84.5	84.0	81.7	78.9	75.1	69.5					
	1000	64.0	72.9	78.6	82.6	83.1	82.6	79.6	77.1	72.4	68.1					
	1250	68.3	78.6	86.1	90.3	92.3	87.2	85.4	82.9	76.7	75.4					
	1600	65.2	76.2	82.5	85.8	86.3	83.7	81.5	78.2	74.0	70.4					
	2000	63.5	74.3	80.3	85.1	86.1	86.3	84.4	79.2	77.0	71.1					
	2500	63.1	74.4	79.9	83.2	83.5	83.6	81.0	76.3	72.7	65.3					
	3150	62.0	74.7	80.4	82.9	83.3	83.6	81.3	77.1	72.7	66.2					
	4000	60.5	72.3	78.0	81.3	82.0	81.9	80.9	75.9	70.5	66.5					
	5000	57.7	69.3	75.8	78.7	79.3	79.3	78.3	72.7	68.0	64.4					
	6300	53.4	67.2	73.5	76.9	77.9	77.5	76.9	71.5	66.3	62.2					
	8000	49.3	63.9	70.4	73.6	75.0	74.4	73.9	69.6	64.8	60.5					
	10000	42.1	59.5	67.6	71.9	72.0	72.2	71.3	67.3	62.2	57.9					
	PR22	79.6	86.6	92.2	95.5	95.5	94.9	93.2	90.4	87.2	84.6					
		87.4	98.3	104.0	106.9	107.5	107.1	105.3	101.6	97.9	93.4					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT WGL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500 FT. (152.40 M)	50	66.2	71.7	75.1	76.9	75.6	79.5	77.9	77.5	75.9						
NFA 2661 RPM (279. RAD/SEC)	63	65.9	69.9	72.3	74.4	74.6	73.9	71.2	70.4	67.9						
NFK 2597 RPM (272. RAD/SEC)	80	69.8	73.5	75.3	75.1	76.6	77.9	77.0	75.4	72.2						
NFD 3244 RPM (340. RAD/SEC)	100	67.1	73.1	75.5	76.4	77.1	78.5	77.4	75.9	74.0						
AIRFLOW RATIO NFA/NH 12:60	125	62.1	67.5	72.2	74.6	74.9	74.3	73.2	71.8	69.5						
VEHICLE CONFIG LOC SCHENECTADY DATE 6/30/75 RUN 27/2 TAPE	160	58.3	63.1	67.1	68.6	69.2	69.1	67.5	65.5	63.3						
FAN TIP SPEED 825 FT/SEC	200	57.5	63.7	68.3	70.9	71.2	70.4	69.0	66.9	64.6						
OVERALL CALCULATED	250	54.7	62.0	68.0	71.3	71.7	70.9	68.8	66.9	63.6						
	315	52.3	59.8	67.6	70.5	71.7	70.4	68.1	64.9	61.9						
	400	50.6	59.4	67.5	71.7	72.7	70.5	68.4	65.2	61.2						
	500	49.2	58.9	67.6	72.6	73.1	71.5	69.5	65.2	61.4						
	630	55.0	64.9	71.5	78.0	79.3	77.3	75.3	70.4	64.4						
	800	56.3	67.3	74.5	80.3	82.2	81.3	78.0	73.8	66.9						
	1000	55.4	66.1	73.4	79.1	80.7	78.4	75.7	70.9	65.2						
	1250	55.3	66.6	74.3	78.6	81.3	79.0	75.1	71.0	66.3						
	1600	56.1	67.4	74.9	79.3	81.0	79.0	75.3	71.5	67.2						
	2000	52.4	65.9	73.1	78.0	78.8	78.9	75.0	71.4	66.1						
	2500	51.6	66.9	74.5	78.4	80.1	80.4	76.5	71.5	66.5						
	3150	50.0	64.7	73.0	76.7	78.8	79.7	75.6	70.7	65.5						
	4000	45.2	60.0	69.1	73.5	76.0	76.7	72.2	67.7	63.0						
	5000	41.0	55.7	67.9	72.7	74.1	75.5	71.0	66.6	62.8						
	6300	35.5	54.5	63.6	68.9	71.7	72.2	68.7	63.8	61.1						
	8000	25.2	47.7	58.8	64.7	67.2	69.1	65.7	61.2	57.1						
	10000	8.2	37.5	51.1	57.2	51.0	64.2	59.4	55.2	51.4						
	OVERALL CALCULATED	74.6	80.7	85.8	89.5	91.0	90.6	87.8	84.9	81.6						
	PNDB	77.1	89.6	97.0	101.2	102.8	102.9	99.3	95.1	90.5						

SIDELINE 200 FT. (60.96 M)	50	76.0	80.7	83.8	85.3	83.9	87.8	86.1	85.8	84.1						
	63	76.0	79.1	81.1	83.0	83.0	82.2	79.6	78.7	76.3						
	80	80.2	82.9	84.3	83.8	85.2	86.3	85.5	83.8	80.7						
	100	77.8	82.8	84.7	85.3	85.9	87.0	85.9	84.5	82.8						
	125	73.1	77.4	81.5	83.7	83.8	83.0	81.9	80.5	78.3						
	160	69.6	73.2	75.7	77.8	78.2	77.9	76.3	74.4	72.2						
	200	69.1	74.1	78.1	80.2	80.4	79.4	78.0	75.8	73.7						
	250	66.6	72.7	77.9	80.9	81.0	80.0	77.9	76.0	72.8						
	315	64.6	70.8	77.8	80.3	81.2	79.7	77.3	74.2	71.2						
	400	63.3	70.6	77.9	81.7	82.3	79.9	77.8	74.6	70.7						
	500	62.3	70.4	78.3	82.8	83.0	81.1	79.0	74.7	71.1						
	630	68.5	76.7	82.4	88.4	89.3	87.0	85.0	80.1	74.3						
	800	70.3	79.5	85.7	91.0	92.4	91.2	87.9	83.7	76.9						
	1000	69.9	78.7	85.0	90.0	91.2	88.6	85.8	81.1	75.5						
	1250	70.4	79.7	86.2	89.7	92.0	89.4	85.4	81.4	76.8						
	1600	72.0	81.0	87.2	90.9	92.1	89.6	85.9	82.2	78.0						
	2000	69.1	80.2	85.9	89.9	90.2	89.9	86.0	82.3	77.2						
	2500	69.3	81.7	87.8	90.7	91.9	91.6	87.7	82.7	77.9						
	3150	66.8	80.3	86.9	89.6	91.0	91.4	87.3	82.4	77.4						
	4000	66.0	77.0	84.0	87.3	89.1	89.1	84.5	80.1	75.6						
	5000	62.9	76.5	83.4	87.0	87.6	88.3	83.8	79.4	75.8						
	6300	60.9	74.6	81.0	84.7	86.5	86.2	82.6	77.8	73.3						
	8000	55.8	71.3	79.0	82.8	84.0	84.9	81.3	77.1	73.3						
	10000	45.9	66.1	75.1	78.5	80.7	82.5	77.5	73.5	70.2						
	OVERALL CALCULATED	85.8	92.2	97.3	100.7	101.9	101.1	97.9	94.6	91.1						

ORIGINAL FILE IS ON PAPER QUALITY

Run 27/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 24 YEAR 9.1

MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														PWL		
	20	30	40	50	60	70	80	90	100	110	0	0	0	0		0	0
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.)
50																	
63																	
RADIAL 17. FT.																	
1 S.M)	100	98.8	93.8	85.5	84.3	86.3	87.8	89.3	89.8	89.3	87.8						123.8
VEHICLE UTHSIM	125	96.5	94.8	92.0	91.5	91.3	92.5	93.3	92.0	91.8	91.5						126.5
CONFIG CO4	150	99.5	100.5	100.8	100.5	100.3	94.3	95.3	95.0	94.8	93.5						131.4
LSC SCHEMECTACY	200	101.2	101.2	101.0	101.0	100.5	97.5	96.2	94.7	93.5	91.7						132.0
DATE 6/30/75	250	103.0	101.7	101.5	100.2	99.7	100.0	99.7	98.2	96.7	94.0						133.2
RUN 27/3	315	101.7	102.7	102.5	101.2	100.5	100.8	101.0	99.7	98.0	97.0						134.1
TAPE	400	98.5	97.5	99.2	100.2	98.7	97.8	97.0	96.5	95.2	93.2						131.2
BAR 30.0 HG	500	94.3	93.5	94.5	95.0	93.7	92.8	92.0	90.8	88.7	87.0						126.1
(01279. L/M2)	670	94.8	94.5	95.8	96.5	95.5	94.3	93.5	92.3	90.8	88.0						127.5
TANH 89. DEG F	800	93.5	92.8	95.8	96.8	96.2	95.6	94.3	92.3	90.2	87.8						127.8
(305. DEG K)	1000	91.3	91.0	94.5	95.8	96.0	94.8	93.8	91.5	88.7	86.0						126.9
TNET 69. DEG F	1250	91.3	90.3	95.3	97.0	96.7	95.3	94.1	92.1	88.5	85.8						127.5
(294. DEG K)	1600	89.3	90.1	93.8	97.0	97.2	96.1	94.1	92.1	88.2	85.6						127.6
MACT 11.92 GH/M3	2000	89.5	91.3	95.0	98.5	98.5	97.1	95.1	93.4	89.2	85.1						126.8
(.01192 KG/M3)	2500	93.3	93.8	97.5	100.2	100.7	99.6	97.6	95.2	91.0	86.6						131.0
NFA 10511. RPM	3150	90.0	100.1	103.3	105.4	107.4	105.8	104.4	102.0	98.2	93.3						137.3
(1101. RAD/SEC)	4000	99.2	100.0	102.7	105.3	106.8	105.8	104.1	100.4	96.4	90.8						136.9
NFK 10220. RPM	5000	99.3	100.0	102.6	104.5	105.7	104.5	102.8	99.9	95.8	90.5						136.0
(1070. RAD/SEC)	6300	104.7	106.1	108.6	110.0	109.7	107.7	106.6	102.5	99.2	94.7						140.5
NFD 11517. RPM	8000	99.2	102.1	104.2	105.7	105.7	104.0	103.3	100.4	96.9	92.6						136.9
(1206. RAD/SEC)	10000	99.4	104.1	106.5	106.7	107.5	107.1	106.5	102.9	98.9	94.6						139.1
NO. CF BLADES 18	12500	99.6	102.9	105.7	106.7	106.8	106.0	105.9	102.4	98.0	93.8						136.6
FAN TIP SPEED	15000	98.0	101.2	103.7	104.5	104.8	104.1	104.3	100.3	96.5	93.1						137.0
918. FT/SEC	20000	95.5	101.2	103.4	104.1	104.0	103.4	103.8	99.9	95.9	92.9						136.9
	25000	95.1	99.8	102.7	103.2	102.9	102.5	102.4	98.9	95.5	93.2						136.6
	31500	92.6	98.5	101.7	102.3	101.9	101.7	101.9	97.9	94.5	92.0						136.6
	40000	88.5	96.0	99.1	99.3	100.4	98.9	99.4	95.5	92.1	89.9						139.9
	50000	81.9	93.9	95.1	95.7	97.2	96.3	97.6	91.6	89.6	86.5						134.4
	63000	80.2	89.0	89.0	89.5	91.8	90.4	91.5	86.3	84.4	81.0						131.4
	80000	83.4	86.2	84.7	85.6	86.0	85.7	86.1	82.6	84.6	82.1						131.3
OVERALL MEASURED																	
OVERALL CALCULATED	112.8	114.3	116.3	117.3	117.6	118.5	115.8	112.7	109.5	106.3							149.5
PNDR	124.6	129.7	127.9	129.3	129.4	128.0	126.8	124.2	120.9	116.8							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. @ 70 PERCENT OF LUM. GAV)															
FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN _S)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.)
50	69.7	75.0	77.9	79.4	80.3	75.1	76.5	76.4	76.0	74.4					
63	70.9	75.4	77.8	79.6	80.4	78.2	77.4	76.0	74.8	72.4					
SIDELINE 500. FT. (152.40 M)	80	72.1	75.5	78.0	78.6	79.4	80.4	80.6	79.3	77.6	74.4				
NFA 2901. RPM (310. RAD/SEC)	100	70.4	76.1	78.7	79.4	79.9	81.0	81.7	80.6	78.7	77.2				
NFA 2901. RPM (310. RAD/SEC)	125	66.6	70.5	75.2	78.1	77.9	77.8	77.5	77.2	75.8	73.3				
NFA 2879. RPM (301. RAD/SEC)	160	61.6	66.1	70.1	72.6	72.7	72.6	72.3	71.2	69.0	66.8				
NFA 2879. RPM (301. RAD/SEC)	200	61.7	66.7	71.1	73.9	74.2	73.9	73.6	72.6	70.1	67.6				
NFA 3244. RPM (340. RAD/SEC)	250	59.9	64.5	70.7	73.8	74.7	74.9	74.2	72.3	70.1	67.1				
NFA 3244. RPM (340. RAD/SEC)	315	57.0	62.3	69.1	72.5	74.2	74.0	73.4	71.4	68.4	65.1				
NFA 3244. RPM (340. RAD/SEC)	400	56.1	61.1	69.5	73.5	74.7	74.2	73.5	71.7	67.9	64.7				
AIRFLOW RATIO W/FWH 12.60	500	53.7	60.4	67.6	73.1	74.9	74.7	73.3	71.5	67.4	64.2				
AIRFLOW RATIO W/FWH 12.60	630	57.0	63.6	71.0	76.0	78.1	78.0	76.6	74.3	69.9	64.9				
AIRFLOW RATIO W/FWH 12.60	800	61.8	69.3	76.3	80.8	84.4	83.9	83.0	80.8	76.8	71.4				
VEHICLE CONFIG UTS/SH 604	1000	61.1	68.6	75.2	80.4	83.5	83.5	82.4	78.9	74.7	68.5				
VEHICLE CONFIG UTS/SH 604	1250	60.3	67.9	74.6	79.1	82.0	81.9	80.8	78.1	73.8	67.8				
LOC SCHENECTADY DATE 6/30/75	1600	64.4	73.2	79.9	84.1	85.5	84.6	84.2	80.3	76.8	71.7				
LOC SCHENECTADY DATE 6/30/75	2000	57.7	68.2	74.8	79.2	81.1	81.3	80.5	77.8	74.1	69.1				
LOC SCHENECTADY DATE 6/30/75	2500	56.6	69.4	76.6	79.7	82.4	83.3	83.4	80.0	75.8	70.8				
LOC SCHENECTADY DATE 6/30/75	3150	54.3	67.0	74.8	79.0	81.0	81.5	82.2	78.9	74.2	69.3				
LOC SCHENECTADY DATE 6/30/75	4000	50.3	63.3	71.4	75.6	78.1	78.8	79.8	76.0	72.0	67.8				
LOC SCHENECTADY DATE 6/30/75	5000	46.3	62.5	70.5	74.8	77.0	77.9	79.1	75.4	71.2	67.3				
LOC SCHENECTADY DATE 6/30/75	6300	47.9	57.9	67.5	72.0	74.3	75.6	76.3	73.1	69.5	66.2				
LOC SCHENECTADY DATE 6/30/75	8000	36.7	51.6	62.8	68.1	70.8	72.6	73.8	70.1	66.4	62.8				
LOC SCHENECTADY DATE 6/30/75	10000	14.0	42.2	55.1	61.2	66.0	66.7	68.5	65.0	61.2	57.7				
LOC SCHENECTADY DATE 6/30/75	OVERALL CALCULATED	78.3	63.8	68.5	91.7	93.6	93.5	93.2	90.7	87.6	84.2				
LOC SCHENECTADY DATE 6/30/75	PN2B	83.2	92.4	99.4	103.2	105.3	105.7	105.7	102.7	98.9	94.4				
SIDELINE 200. FT. (60.96 M)	30	79.5	84.0	86.5	87.4	88.6	83.3	84.8	84.6	84.3	82.6				
SIDELINE 200. FT. (60.96 M)	63	81.0	84.6	86.6	88.2	88.8	86.5	85.7	84.3	82.9	80.8				
SIDELINE 200. FT. (60.96 M)	80	82.5	84.9	87.0	87.3	87.9	88.9	89.1	87.7	86.1	82.9				
SIDELINE 200. FT. (60.96 M)	100	81.0	85.8	87.9	88.3	88.6	89.6	90.3	89.2	87.3	85.9				
SIDELINE 200. FT. (60.96 M)	125	77.6	80.4	84.5	87.2	86.8	86.6	86.2	85.9	84.5	82.0				
SIDELINE 200. FT. (60.96 M)	160	73.1	76.2	79.7	81.8	81.7	81.5	81.2	80.1	77.9	75.7				
SIDELINE 200. FT. (60.96 M)	200	73.3	77.1	80.8	83.2	83.4	82.9	82.6	81.5	79.1	76.7				
SIDELINE 200. FT. (60.96 M)	250	71.9	75.2	80.7	83.4	84.0	84.1	83.3	81.4	79.2	76.3				
SIDELINE 200. FT. (60.96 M)	315	69.3	73.3	79.3	82.3	83.7	83.3	82.7	80.6	77.7	74.5				
SIDELINE 200. FT. (60.96 M)	400	68.8	72.3	79.9	83.4	84.3	83.7	82.9	81.1	77.3	74.2				
SIDELINE 200. FT. (60.96 M)	500	66.8	71.9	78.3	83.3	84.7	84.4	82.9	81.0	77.0	73.8				
SIDELINE 200. FT. (60.96 M)	630	70.5	75.5	81.9	86.4	88.1	87.8	86.3	84.0	79.6	74.8				
SIDELINE 200. FT. (60.96 M)	800	75.8	81.5	87.5	91.5	94.7	94.0	93.0	90.7	86.8	81.4				
SIDELINE 200. FT. (60.96 M)	1000	75.7	81.2	86.7	91.2	94.0	93.8	92.6	89.0	84.8	78.8				
SIDELINE 200. FT. (60.96 M)	1250	75.4	80.9	86.5	90.3	92.8	92.4	91.2	88.4	84.1	78.3				
SIDELINE 200. FT. (60.96 M)	1600	80.3	86.8	92.2	95.6	96.6	95.4	94.9	90.9	87.5	82.5				
SIDELINE 200. FT. (60.96 M)	2000	74.4	82.4	87.6	91.2	92.5	92.5	91.4	88.7	85.1	80.3				
SIDELINE 200. FT. (60.96 M)	2500	74.1	84.2	89.8	92.0	94.2	94.7	94.6	91.2	87.0	82.2				
SIDELINE 200. FT. (60.96 M)	3150	73.6	82.6	88.7	91.9	93.3	93.4	93.9	90.6	86.0	81.2				
SIDELINE 200. FT. (60.96 M)	4000	71.1	80.4	86.3	89.4	91.2	91.4	92.2	88.3	84.4	80.5				
SIDELINE 200. FT. (60.96 M)	5000	68.3	80.3	86.0	89.1	90.5	90.9	91.9	88.1	83.9	80.4				
SIDELINE 200. FT. (60.96 M)	6300	66.3	78.0	84.9	87.8	89.1	89.8	90.3	87.0	83.4	80.5				
SIDELINE 200. FT. (60.96 M)	8000	61.2	75.2	82.9	86.3	87.7	88.7	89.6	85.8	82.1	79.0				
SIDELINE 200. FT. (60.96 M)	10000	51.7	70.8	79.1	82.5	85.7	85.5	86.7	83.1	79.5	76.5				
SIDELINE 200. FT. (60.96 M)	OVERALL CALCULATED	69.9	95.3	99.9	102.9	104.5	104.2	104.0	101.1	97.8	94.1				
SIDELINE 200. FT. (60.96 M)	PN04	99.3	106.9	112.5	115.5	117.1	117.2	117.2	114.1	110.2	105.9				

Run 27/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)													PROC. DATE = MONTH 7 DAY 24 HR. 9.1			
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
	50																	
	63																	
	80																	
RADIAL	17. FT.																	
	(5. M.)	100	100.3	99.0	91.8	85.0	86.8	88.3	89.0	89.8	89.0	87.3						
VEHICLE	UTNSIM	125	100.0	99.3	93.8	92.5	92.3	93.0	93.0	92.0	91.8	91.8						125.7
CONFIG	CO4	160	98.5	99.0	97.3	96.3	94.8	94.3	95.3	93.0	93.0	92.0						127.7
LCC	SCHENECTADY	200	103.7	104.0	104.7	104.5	104.5	102.5	101.0	98.5	95.5	95.2						128.9
DATE	6/30/75	250	104.7	104.2	103.7	103.0	102.7	102.5	101.7	100.0	98.7	95.7						135.7
RJN	27/4	315	102.7	104.5	104.2	103.5	103.0	102.6	102.7	101.5	100.0	98.0						135.5
TAPE		400	99.8	100.5	102.5	102.2	101.5	100.8	99.8	98.8	97.0	95.0						136.0
BAR	30.0 HG	500	95.8	96.3	97.5	97.0	96.5	95.3	94.8	93.0	91.0	89.3						133.7
	(0.1279. N/H2)	630	96.5	97.3	98.3	98.5	97.5	96.6	95.8	94.0	92.3	90.5						128.0
TAMP	92. DEG F	800	95.5	95.3	97.5	97.3	98.5	97.0	96.3	94.5	92.5	90.3						128.7
	(306. DEG K)	1000	93.0	94.0	96.0	97.0	97.0	97.1	95.5	93.5	90.5	88.5						128.8
T-ET	69. DEG F	1250	91.5	92.8	96.5	99.0	98.7	97.6	96.1	93.6	91.0	87.8						128.8
	(29. DEG K)	1650	90.5	92.6	95.0	98.0	99.0	97.1	95.9	93.6	90.2	87.1						129.5
HACT	11.06 GR/H3	2030	91.8	93.3	98.0	99.2	100.5	98.4	97.4	94.4	91.0	86.8						129.1
	(.01106. KG/M3)	2500	94.0	95.9	97.5	100.5	101.7	100.4	98.4	95.7	92.2	87.8						130.3
NFA	11801. RPM	3150	98.7	100.1	102.3	104.7	107.9	107.1	104.6	103.0	98.9	93.3						131.7
	(1236. RAD/SEC)	4000	101.7	103.0	104.9	107.3	109.8	109.0	107.3	104.7	100.6	94.3						137.7
NFK	11443. RPM	5000	101.3	103.2	104.9	106.3	108.0	106.7	104.6	101.1	97.5	92.2						140.0
	(1196. RAD/SEC)	6300	103.7	105.4	106.4	108.6	109.2	108.0	106.4	103.5	99.5	94.3						138.1
NFD	11617. RPM	8000	104.0	105.8	107.2	108.8	109.0	108.1	106.3	103.4	99.5	94.9						139.8
	(1286. RAD/SEC)	11000	101.4	105.9	107.8	109.0	109.3	109.2	108.6	105.8	101.5	96.7						140.1
NO. OF BLADES	18	12500	101.9	105.5	107.8	108.6	109.1	108.3	108.0	104.7	100.8	96.6						141.0
FAN TIP SPEED	16000	100.4	104.1	105.9	107.1	107.4	106.7	107.4	103.1	99.1	96.0							140.8
	1030. FT/SEC	20000	98.2	103.4	105.5	106.0	107.1	106.3	106.7	102.8	99.0	97.0						139.7
		25000	97.0	102.1	104.2	105.4	106.3	105.3	105.6	102.1	98.5	96.4						139.7
		31500	95.1	102.1	104.0	105.1	105.2	105.3	105.0	101.7	98.1	95.3						138.4
		40000	89.7	98.9	102.2	102.8	103.3	102.6	103.1	99.2	95.8	93.8						139.8
		50000	84.9	96.5	98.7	99.0	100.5	99.4	101.1	95.8	93.2	90.6						139.0
		63000	83.2	91.8	92.5	93.2	95.8	94.9	95.5	89.3	88.2	84.7						137.9
		80000	84.6	87.7	87.7	88.1	89.3	88.2	88.8	84.3	85.8	83.1						135.3
	OVERALL PFAUSEN																	133.8
	OVERALL CALCULATED	114.3	116.4	117.7	118.8	119.6	118.8	118.0	115.0	111.7	108.3							
	PND8	125.2	126.7	128.0	129.8	131.3	130.4	128.9	126.4	122.9	118.1							131.7

Run 27/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 24. MR. 0.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.
50	68.7	73.5	74.4	75.1	74.8	75.1	76.5	74.4	74.3	72.9						
63	73.4	78.1	81.6	83.1	84.4	83.2	82.1	79.7	76.6	75.9						
SIDE LINE 500. FT. (152.40 M)	80	73.8	78.0	80.3	81.4	82.4	82.9	82.6	81.0	79.6	76.2					
NFA 3324 RPM (348. RAD/SEC)	100	71.4	77.8	80.5	81.6	82.4	83.0	83.5	82.4	80.7	78.2					
NFK 3223 RPM (337. RAD/SEC)	125	62.8	73.5	78.4	80.1	83.7	80.8	80.3	79.4	77.5	75.0					
NFD 3244 RPM (340. RAD/SEC)	160	63.3	69.3	73.1	74.6	75.4	75.1	75.1	73.5	71.3	69.1					
AIRFLOW RATIO	200	63.5	69.4	73.6	75.9	75.2	76.2	75.9	74.3	72.4	70.1					
WF/WH 12:00	250	61.9	67.0	72.5	75.3	77.0	76.9	76.2	74.6	72.4	69.6					
VEHICLE UTASIH CONFIG 604	315	58.8	65.3	70.6	73.8	75.2	76.2	75.2	73.4	70.2	67.6					
LOC SCHENECTADY	400	56.6	63.6	70.8	75.5	76.7	76.5	75.5	73.2	70.4	66.7					
DATE 6/30/75	500	55.3	62.9	68.9	74.1	76.6	75.7	75.0	73.0	69.4	65.7					
ROLL 27/4	630	55.5	63.1	69.5	75.0	77.8	76.7	76.3	73.5	69.9	65.2					
TAPE	800	56.8	64.4	70.5	75.9	78.7	78.4	77.0	74.5	70.8	65.9					
FAN TIP SPEED 1030 FT/SEC	1000	60.7	68.6	74.7	79.7	84.6	84.8	82.9	81.5	77.2	71.0					
OVERALL CALCULATED	1250	62.6	70.9	76.9	81.9	86.1	86.4	85.3	82.8	78.6	71.6					
PHNR	1600	61.0	70.2	76.1	80.2	83.8	83.0	82.1	78.9	75.1	69.1					
	2000	62.0	71.5	76.9	82.0	84.5	84.4	83.5	80.8	76.6	70.7					
	2500	61.1	71.1	77.1	81.5	83.8	84.1	83.0	80.4	76.2	70.9					
	3150	56.4	69.7	76.7	81.0	83.3	84.5	84.7	81.3	77.6	72.0					
	4000	53.8	67.3	75.1	79.3	82.1	82.6	83.1	80.1	75.9	70.9					
	5000	50.7	64.9	72.5	77.4	80.0	80.7	82.2	78.2	73.9	70.0					
	6300	43.3	60.6	69.6	74.2	77.9	78.3	80.1	76.4	72.4	69.5					
	8000	34.8	54.2	64.4	70.4	74.4	75.2	76.6	73.4	69.4	66.3					
	10000	21.2	46.9	58.7	65.6	69.4	71.8	72.7	69.9	65.8	61.8					
OVERALL CALCULATED		79.5	85.4	89.6	92.7	95.0	95.2	94.7	92.3	89.2	85.6					
PHNR		84.4	94.1	100.5	104.7	107.2	107.8	107.7	104.8	101.1	96.3					

50	78.5	82.5	83.0	83.5	83.1	83.3	84.8	82.6	82.5	81.1						
63	83.5	87.3	90.4	91.7	92.8	91.5	90.4	88.1	84.9	84.3						
SIDE LINE 200. FT. (60.96 M)	80	84.2	87.4	89.3	90.1	90.9	91.4	91.1	89.5	88.1	84.7					
100	82.0	87.5	89.7	90.5	91.1	91.6	92.0	90.9	89.3	86.9						
125	71.8	83.4	87.8	89.2	89.5	89.6	89.0	88.1	86.2	83.8						
160	74.6	79.5	82.7	83.8	84.5	84.0	83.9	82.3	80.1	78.0						
200	75.1	79.8	83.3	85.2	85.4	85.2	84.9	83.3	81.3	79.2						
250	73.9	77.7	82.4	84.9	86.3	86.1	85.3	83.7	81.5	78.8						
315	71.1	76.3	80.8	83.5	84.7	85.5	84.4	82.6	79.4	77.0						
400	69.3	74.8	81.2	85.4	86.3	86.0	84.9	82.6	79.8	76.2						
500	68.0	74.4	79.6	84.3	86.5	85.4	84.6	82.5	79.0	75.4						
630	69.0	75.0	80.4	85.4	87.9	86.6	86.0	83.2	79.6	75.0						
800	70.9	77.0	81.7	86.5	89.0	88.4	86.9	84.4	80.8	75.9						
1000	75.2	81.3	86.3	90.6	95.1	95.1	93.1	91.6	87.4	81.3						
1250	77.8	84.0	88.8	93.1	96.8	96.9	95.7	93.2	89.0	82.1						
1600	76.9	83.8	88.5	91.5	94.8	94.4	92.7	89.5	85.7	79.9						
2000	78.7	85.7	89.7	93.9	95.9	95.5	94.5	91.7	87.5	81.8						
2500	78.6	85.6	90.4	94.0	95.6	95.5	94.3	91.6	87.4	82.3						
3150	75.3	85.4	90.6	93.9	95.6	96.4	96.4	92.9	89.3	83.9						
4000	74.6	84.3	90.1	93.1	95.1	95.3	95.5	92.5	88.3	83.6						
5000	72.7	82.7	88.0	91.6	93.5	93.7	95.0	90.9	86.7	83.0						
6300	68.7	80.9	87.0	90.0	92.7	93.0	94.0	90.2	86.3	81.7						
8000	65.3	77.9	84.5	88.5	91.2	91.3	92.3	89.0	85.2	82.4						
10000	59.0	75.5	82.5	86.9	89.1	90.5	91.0	87.9	84.0	80.5						
OVERALL CALCULATED		91.2	96.3	101.0	104.9	106.1	106.2	105.7	103.0	99.6	95.7					
PHNR		101.2	108.9	113.9	117.2	119.1	119.5	119.3	116.2	112.6	108.0					

Run 27/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 24 HR. 9.2																
		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(1.0.)	(1.0.)	(1.0.)	(1.0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	5. MI	100	95.5	96.0	85.3	84.0	86.0	87.5	89.0	89.0	88.8	87.1						123.2
VEHICLE	UTHSIM	125	96.0	95.8	91.5	91.0	91.0	91.8	92.5	91.5	91.5	91.1						125.8
CONFIG	G04	100	94.5	101.5	101.0	101.5	100.3	95.3	95.0	94.3	93.3	92.6						131.6
LOC	SCHENECTADY	200	99.2	99.0	98.0	98.0	97.5	96.5	94.5	92.2	90.8	89.3						120.5
DATE	6/30/75	250	102.2	101.2	100.5	98.5	99.2	98.7	98.7	97.2	96.0	93.3						132.2
RUN	27/5	315	103.7	101.5	101.2	100.2	99.0	98.8	99.7	98.5	97.3	95.6						132.9
TAPE		450	95.8	95.3	98.2	94.7	97.5	96.5	95.0	94.5	93.5	91.8						120.7
BAR	30.0 HG	530	93.3	92.3	93.5	93.5	92.0	91.0	90.8	89.0	87.5	85.3						124.6
	(91279. M/HZ)	630	93.3	93.3	94.0	95.0	94.5	93.8	92.3	90.5	88.5	87.1						126.2
TAMP	87. DEG F	800	91.0	92.3	94.5	95.8	95.0	93.5	92.8	91.0	89.0	86.6						126.5
	(304. DEG K)	1000	92.3	90.3	94.0	95.2	95.0	93.8	92.8	90.0	87.0	84.6						120.0
T-ET	68. DEG F	1250	88.3	89.3	94.3	96.3	96.0	93.8	93.1	91.1	87.3	84.1						128.5
	(203. DEG K)	1500	87.3	89.3	94.3	96.8	96.7	95.1	94.1	91.1	87.0	83.9						127.1
HACT	11.04 G/HZ	2000	83.0	89.8	94.3	97.5	98.0	96.4	94.1	92.4	88.3	84.6						126.0
	(201164 KG/HZ)	2500	71.5	93.5	97.0	100.5	100.9	99.6	97.6	95.2	91.3	86.1						131.1
NFA	16157. RPM	3150	95.2	93.8	102.8	105.7	107.7	107.1	105.4	103.0	99.5	93.1						137.8
	(1863. RAD/SEC)	4000	95.9	94.3	102.4	104.6	106.1	106.3	102.3	98.9	94.9	89.3						136.9
NFK	9893. RPM	5000	96.6	99.0	102.4	104.0	105.0	103.5	101.8	97.9	94.3	89.3						135.1
	(1036. RA/SEC)	6300	100.7	101.9	105.4	107.0	107.7	106.7	104.1	99.7	96.5	91.8						138.0
NFD	11517. RPM	8000	96.5	100.3	103.2	104.5	104.7	104.3	102.5	99.4	95.7	90.9						135.9
	(1266. RAD/SEC)	10000	92.6	102.3	105.5	106.2	105.5	106.1	104.3	100.7	97.0	92.7						137.8
NO. OF BLADES	18	12400	97.6	101.7	104.9	105.7	106.3	105.5	104.7	100.9	97.0	92.6						137.7
FAH T/P SPEED	16000	15000	98.2	99.7	102.9	103.7	103.8	103.3	103.0	98.3	94.5	90.4						135.8
	857. FT/SEC	20000	93.5	99.5	102.1	103.1	103.0	102.9	102.1	98.1	94.4	91.0						135.7
		25000	92.9	98.6	101.3	101.7	102.1	101.3	100.4	97.1	93.3	91.2						135.1
		31500	99.8	97.5	100.7	100.8	100.4	100.7	99.4	95.9	92.3	89.6						139.1
		40000	84.0	95.0	97.6	97.3	98.4	97.9	97.6	93.7	90.2	87.2						133.0
		50000	80.4	92.9	93.9	93.7	96.2	95.1	95.8	89.8	87.2	84.0						132.8
		63000	79.9	88.5	87.7	83.4	90.3	89.6	89.2	83.5	81.2	78.0						129.8
		80000	83.3	85.6	84.1	84.5	85.5	85.7	85.6	82.0	76.4	75.3						138.1
OVERALL MEASURED																		148.4
OVERALL CALCULATED		119.7	112.8	115.1	116.2	116.7	116.3	114.5	111.3	108.2	104.8							
PWR		121.8	123.2	126.0	127.8	129.9	128.8	126.4	123.9	120.7	115.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. SAT)

	ANGLES FROM INLET IN DEGREES (AND RADIANs)														
	FREQ. (0.35) (0.52) (0.70) (1.00) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	
	50	63.7	78.0	78.1	80.4	80.3	76.1	76.3	75.7	74.6	73.4				
	63	68.9	73.1	74.8	76.6	77.4	77.2	75.6	73.5	71.9	70.0				
SIDELINE 500. FT. (152.40 M)	60	71.3	75.0	77.0	76.2	78.9	79.2	79.6	78.3	76.9	73.7				
NFA 2861. RPM (300. RAD/SEC)	100	69.4	74.8	77.5	78.4	78.4	79.0	80.5	79.4	78.0	75.9				
NFK 2787. RPM (292. RAD/SEC)	125	64.8	69.2	74.2	76.5	76.7	76.6	75.5	75.2	74.1	71.8				
NFD 3244. RPM (340. RAD/SEC)	160	61.3	64.8	69.1	70.6	70.9	70.8	71.1	69.5	67.8	65.1				
	200	60.2	65.4	69.3	72.4	73.2	73.2	72.4	70.8	68.6	66.7				
AIRFLOW RATIO W/FW 12.60	250	57.4	64.0	69.5	72.8	73.5	73.2	72.7	71.1	68.9	65.9				
	315	56.0	61.6	68.6	72.0	73.2	73.0	72.4	69.9	66.7	63.7				
	400	53.4	60.1	68.5	72.7	73.9	72.7	72.5	70.7	66.7	63.0				
	500	51.7	59.6	68.1	72.9	74.4	73.7	73.3	70.5	66.2	62.5				
	630	55.2	63.4	70.5	76.3	78.3	78.0	76.6	74.3	70.2	64.5				
	800	59.1	68.0	75.7	81.1	84.7	85.1	84.0	81.8	78.1	71.2				
VEHICLE CONFIG UTS:IN G02	1000	58.9	66.9	74.9	79.6	82.7	86.0	80.7	77.4	73.2	67.1				
LOC SCHENECTADY	1250	57.6	66.9	74.3	78.6	81.3	80.9	79.8	76.1	72.3	66.6				
DATE 6/30/75	1600	60.4	68.9	76.7	81.1	83.5	83.6	81.7	77.5	74.1	68.7				
RUN 27/5	2000	54.9	66.5	73.8	78.0	81.1	80.8	79.7	76.8	72.9	67.4				
TAPE	2500	54.8	67.7	75.6	79.2	81.4	82.3	81.1	77.7	73.8	68.9				
FAN TIP SPEED 887. FT/SEC	3150	52.3	65.7	74.0	78.0	80.5	81.0	80.9	77.4	73.3	68.1				
	4000	48.5	61.8	70.6	74.8	77.1	78.0	78.5	74.0	70.0	65.1				
	5000	44.3	60.7	69.2	73.8	76.0	77.4	77.3	73.6	69.7	65.4				
	6300	38.7	56.6	66.0	70.5	73.5	74.3	74.3	71.4	67.3	64.3				
	8000	28.9	50.6	61.8	66.7	67.3	71.6	71.3	68.1	64.2	60.4				
	10000	11.5	41.2	53.6	59.2	64.0	65.7	66.7	63.2	59.3	55.0				
OVERALL CALCULATED PNdB		76.9	82.7	87.3	90.7	92.7	93.3	92.8	89.4	86.5	82.8				
		80.5	90.8	98.3	102.1	104.4	105.0	104.3	101.2	97.4	92.7				
SIDELINE 200. FT. (60.96 M)	50	78.5	85.0	86.8	88.8	88.6	84.3	84.5	83.9	82.8	81.7				
	63	79.0	82.3	83.6	85.2	85.8	85.5	83.9	81.8	80.2	78.3				
	60	81.7	84.4	86.0	85.6	87.4	87.7	88.1	86.7	85.4	82.2				
	100	80.0	84.5	86.7	87.3	87.1	87.6	89.0	87.9	86.6	84.4				
	125	75.8	79.1	83.5	85.7	85.5	85.3	84.2	83.9	82.6	80.6				
	160	72.6	75.0	78.7	79.8	80.0	79.7	79.9	78.3	76.7	74.0				
	200	71.8	75.8	79.1	81.7	82.4	82.2	81.4	79.7	77.6	75.7				
	250	69.4	74.7	79.4	82.4	82.8	82.4	81.8	80.2	78.0	75.1				
	315	68.3	72.5	78.8	81.8	82.7	82.3	81.7	79.1	75.9	73.0				
	400	66.1	71.3	78.9	82.7	83.6	82.2	81.9	80.1	76.1	72.5				
	500	64.6	71.2	78.8	83.0	84.2	83.4	82.8	80.0	75.8	72.2				
	630	63.7	75.2	81.4	86.6	88.3	87.8	86.3	84.0	79.9	74.3				
	800	73.1	80.3	87.0	91.7	94.9	95.2	94.0	91.7	88.0	81.2				
	1000	73.4	79.5	86.5	90.5	93.2	96.3	90.8	87.5	83.4	77.3				
	1250	72.7	79.9	86.2	89.8	92.0	91.4	90.2	86.4	82.7	77.1				
	1600	76.3	82.6	89.0	92.6	94.6	94.4	92.4	88.1	84.7	79.6				
	2000	71.6	80.7	86.6	89.9	91.5	92.0	90.7	87.7	83.9	78.6				
	2500	72.4	82.4	88.8	91.5	93.2	93.7	92.4	88.9	85.1	80.3				
	3150	71.6	81.4	88.0	90.9	92.8	92.9	92.7	89.1	85.0	80.0				
	4000	69.3	78.9	85.6	88.6	90.2	90.7	90.9	86.3	82.4	77.8				
	5000	66.3	78.6	84.8	88.1	89.5	90.4	90.1	86.3	82.5	78.5				
	6300	64.0	76.8	83.4	86.3	88.4	88.6	88.3	85.2	81.2	74.5				
	8000	59.5	74.3	81.9	84.8	86.2	87.7	87.1	83.8	79.9	76.5				
	10000	49.2	69.8	77.6	80.5	83.7	84.5	85.0	81.3	77.5	73.8				
OVERALL CALCULATED PNdB		83.2	93.9	98.7	101.5	103.6	104.0	102.7	99.7	96.6	92.6				
		96.6	105.3	111.5	114.5	115.3	116.5	115.8	112.5	108.8	104.4				

ORIGINAL PAGE IS OF POOR QUALITY

Run 27/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 24 HR. 5.3																
		MODEL SOUND PRESSURE LEVELS (99. DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
		50																
		63																
		80																
RADIAL 17. FT.																		
L 5. MI.		100	97.3	91.8	82.8	83.0	85.5	87.5	88.8	89.0	88.8	86.8	86.8					
VEHICLE UTM31H		125	96.8	93.0	90.8	90.8	90.0	91.5	92.0	90.8	90.5	89.8	89.8					122.7
CONFIG G04		160	98.3	98.0	98.8	98.8	97.0	95.8	96.5	95.3	95.0	94.1	94.1					125.1
LOC SCHEMECTADY		230	99.9	96.7	96.5	96.2	96.2	95.0	93.5	90.7	89.3	88.1	88.1					130.3
DATE 6/30/75		250	101.7	99.7	99.0	97.5	98.0	97.7	98.2	96.2	95.3	92.3	92.3					130.2
RUN 27/A		315	100.0	100.2	100.0	99.0	98.2	98.3	98.7	97.5	96.5	95.1	95.1					131.2
TAPE		400	96.0	94.5	97.5	97.2	96.0	95.0	94.3	93.5	92.3	90.6	90.6					131.0
BAP 30.0 MG		500	93.3	91.3	92.0	91.4	91.2	90.5	89.8	88.5	86.8	85.1	85.1					128.5
101279. (M/H2)		630	92.8	92.3	93.8	94.3	93.7	92.8	91.3	89.3	88.3	86.1	86.1					123.8
TAMB 87. DEG F		800	91.0	90.5	93.8	94.8	93.7	93.8	92.0	89.8	88.0	85.6	85.6					125.2
(304. DEG K)		1000	89.5	88.3	93.2	95.2	94.2	93.3	91.8	89.3	86.3	83.6	83.6					125.6
T.ET 68. DEG F		1250	88.3	88.6	94.5	96.0	95.7	94.6	91.8	90.1	86.3	83.3	83.3					125.4
(293. DEG K)		1600	86.5	85.6	93.8	96.3	96.2	94.9	93.1	90.8	87.0	83.4	83.4					126.3
HACT 11.64 GM/M3		2000	85.5	89.3	94.0	97.5	97.5	95.9	94.1	92.2	88.3	83.9	83.9					126.8
(0.01164 KG/M3)		2500	80.3	93.8	97.8	101.8	100.9	100.4	97.9	95.2	91.3	86.8	86.8					127.7
NFA 5789. RPM		3150	95.0	97.6	102.5	105.4	105.9	105.3	103.4	100.7	97.0	90.9	90.9					131.4
(1025. PA./SEC)		4000	94.9	97.8	101.7	104.3	104.8	104.0	101.8	98.4	94.4	88.1	88.1					130.4
MPK 5535. RPM		5000	94.3	97.7	101.9	103.8	104.5	103.2	101.3	97.9	94.3	89.0	89.0					135.1
(998. RAD/SEC)		6300	97.2	100.4	104.9	107.0	106.5	105.9	103.4	99.0	95.7	93.3	93.3					134.7
NFC 11517. RPM		8000	95.0	98.8	102.7	104.5	104.5	104.8	102.8	98.2	94.7	90.2	90.2					137.3
(1200. RA./SEC)		10000	95.6	101.3	104.8	105.9	105.7	105.4	103.8	100.2	95.7	91.2	91.2					135.7
NO. OF BLADES 1A 12500		12500	95.8	101.2	104.4	106.0	106.3	104.7	103.9	100.2	96.0	91.6	91.6					137.1
FAI. T:IP SPED		16000	94.2	98.7	101.7	103.2	102.8	102.3	102.3	97.3	93.3	89.4	89.4					137.3
855. FT/SEC		20000	92.0	98.2	101.4	102.1	102.2	101.7	100.6	96.8	93.4	89.7	89.7					135.8
		25000	90.9	97.3	100.3	100.7	101.1	99.6	99.2	96.8	92.1	90.0	90.0					134.6
		31500	88.3	96.3	99.4	100.3	99.7	99.5	98.4	95.4	91.0	88.8	88.8					134.0
		40000	82.5	94.2	95.1	96.8	96.7	96.4	96.8	92.5	88.2	86.7	86.7					134.1
		50000	78.6	92.7	91.9	92.9	94.5	93.1	93.8	89.3	85.4	84.5	84.5					132.8
		63000	79.4	87.3	86.2	87.2	89.1	88.4	88.0	84.5	80.0	80.5	80.5					131.4
		80000	83.3	85.1	83.6	84.5	84.7	85.7	85.1	82.5	75.6	76.8	76.8					129.9
OVERALL MEASURED																		
OVERALL CALCULATED		109.7	111.4	114.3	115.8	115.8	115.1	113.7	110.4	107.3	104.2							147.8
PNDB		119.8	121.9	125.3	127.5	127.7	127.0	125.3	122.5	119.3	114.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. EAV)															
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.			
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	69.4	72.5	75.9	77.6	77.1	76.6	77.8	76.7	76.3	74.9				
	63	63.7	70.9	73.3	74.9	76.1	75.7	74.6	72.0	70.4	68.7				
NFA 2757. RPM (289. RAD/SEC)	80	79.8	73.5	75.5	75.9	77.6	78.2	79.1	77.3	76.2	72.7				
	100	64.6	73.6	76.2	77.1	77.6	78.5	79.5	78.4	77.2	75.3				
NFK 2486. RPM (261. RA./SEC)	125	64.1	67.5	73.4	75.1	75.2	75.1	74.6	74.2	72.8	70.6				
	160	60.9	63.8	67.6	69.4	73.2	70.3	70.1	69.0	67.1	64.9				
NFD 3244. RPM (340. RAD/SEC)	200	59.7	64.4	69.1	71.6	72.5	72.4	71.4	69.5	68.4	65.7				
	250	57.4	62.3	68.7	71.8	72.2	73.2	71.9	69.8	67.9	64.9				
AIRFLOW RATIO HF/HM 12.60	315	55.3	60.1	67.9	72.0	72.4	72.5	71.4	69.1	65.9	62.7				
	400	53.4	59.4	66.8	72.5	73.7	73.5	71.2	69.7	65.7	62.2				
VEHICLE CONFIG UTS/M 604	500	51.0	58.9	67.6	72.4	73.9	73.5	72.3	70.0	66.2	62.0				
	630	54.0	63.6	71.2	76.8	78.3	78.7	76.8	74.3	70.2	65.0				
LCC SCHENECTADY DATE 6/30/75	800	57.8	66.8	75.5	80.8	82.9	83.4	82.0	79.5	75.6	68.9				
	1000	56.9	66.4	74.2	79.4	81.5	81.8	80.2	76.9	72.7	65.8				
RUN. 27/6	1250	55.3	65.6	73.8	78.3	80.8	80.6	79.3	76.1	72.3	66.4				
TAPE	1600	56.9	67.4	75.2	81.1	82.3	82.9	81.0	76.8	73.3	70.2				
FAN TIP SPEED 855. FT/SEC	2000	53.4	65.0	73.3	78.0	79.8	81.3	80.0	75.6	71.9	66.7				
	2500	52.3	66.7	74.8	79.0	81.6	81.5	80.6	77.2	72.6	67.4				
	3150	51.0	65.2	73.5	78.2	80.5	80.3	80.2	76.7	72.3	67.1				
	4000	46.5	60.8	69.4	74.3	76.1	77.0	77.8	73.0	68.8	64.1				
	5000	42.8	59.5	68.5	72.8	75.2	76.1	75.8	72.1	68.7	64.2				
	6300	36.7	55.4	65.0	69.5	72.5	72.8	73.1	70.9	66.0	63.0				
	8000	26.4	49.3	60.5	65.2	68.8	70.3	70.3	67.6	62.9	59.6				
	10000	10.0	40.5	52.1	55.7	62.2	64.2	65.7	62.0	57.3	54.5				
OVERALL CALCULATED		76.3	80.9	86.4	90.1	91.7	92.1	91.3	88.5	85.7	82.3				
PNDR		78.5	89.6	97.5	101.8	103.8	104.1	103.6	100.3	96.4	91.9				
SIDELINE 200. FT. (60.96 M)	50	78.2	81.5	84.5	86.1	85.4	84.8	86.0	84.9	84.5	83.2				
	63	78.7	80.1	82.1	83.5	84.5	84.0	82.9	80.3	78.7	77.1				
	80	81.2	82.9	84.5	84.6	86.2	86.7	87.6	85.7	84.6	81.2				
	100	79.3	83.3	85.4	86.0	86.4	87.1	88.0	86.9	85.8	83.9				
	125	75.1	77.4	82.8	84.2	84.0	83.8	83.5	82.9	81.5	79.4				
	160	72.1	74.0	77.2	78.6	79.2	79.2	78.9	77.8	75.9	73.8				
	200	71.3	74.8	78.8	81.0	81.6	81.4	80.4	78.5	77.4	74.7				
	250	69.4	72.9	78.7	81.4	81.5	82.4	81.0	78.9	77.0	74.1				
	315	67.6	71.0	78.0	81.8	81.9	81.8	80.7	78.3	75.2	72.0				
	400	66.1	70.6	79.2	82.4	83.3	83.0	80.7	79.1	75.1	71.7				
	500	64.0	70.4	78.3	82.5	83.7	83.1	81.8	79.5	75.8	71.7				
	630	67.5	75.5	82.2	87.1	88.3	88.6	86.5	84.0	79.9	74.8				
	800	71.8	79.0	86.7	91.5	93.2	93.4	92.0	89.4	85.5	79.0				
	1000	71.4	79.0	85.7	90.2	92.0	92.0	90.3	87.0	82.9	76.1				
	1250	70.4	78.7	85.7	89.5	91.5	91.1	89.7	86.4	82.7	76.9				
	1600	72.8	81.1	88.5	92.6	93.4	93.7	91.6	87.4	84.0	81.1				
	2000	70.1	79.2	86.1	89.9	91.3	92.5	90.9	86.5	82.9	77.8				
	2500	70.4	81.4	88.0	91.3	92.4	92.9	91.9	88.4	83.8	78.8				
	3150	69.9	80.9	87.5	91.1	92.8	92.2	91.9	88.3	84.0	79.0				
	4000	67.3	77.9	84.3	88.1	89.2	89.7	90.2	85.3	81.2	76.8				
	5000	64.8	77.3	84.0	87.1	88.7	89.2	88.6	84.8	81.5	77.2				
	6300	62.0	75.5	82.4	85.3	87.4	87.1	87.1	84.7	80.0	77.3				
	8000	57.0	73.0	80.6	84.3	85.5	86.5	86.1	83.3	78.7	75.8				
	10000	47.7	69.1	76.1	80.0	82.0	83.0	84.0	80.1	75.5	73.3				
OVERALL CALCULATED		87.4	92.4	97.9	101.3	102.6	102.6	101.9	98.8	95.7	92.1				
PNDR		95.1	104.3	110.8	114.3	115.7	115.7	115.1	111.7	107.0	103.5				

Run 27/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 24 HR. 0.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT OPL. HUM. 0.4)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
	50	65.7	70.7	74.4	75.6	74.6	77.9	79.3	78.2	78.1	77.2						
SIDELINE 500. FT. (152.40 M)	63	64.7	67.9	70.3	72.4	73.4	73.7	72.4	70.3	68.6	67.2						
	80	66.3	71.5	73.3	73.9	75.1	76.2	77.1	75.6	74.7	71.2						
NFA 2494. RPM (261. RAD/SEC)	100	65.9	71.3	73.5	74.6	74.4	76.0	77.2	76.2	74.5	73.3						
	125	59.3	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						
NFK 2429. RPM (254. RAD/SEC)	160	55.8	61.3	65.6	66.5	66.7	67.3	68.8	65.5	64.3	61.4						
	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						
NFD 3244. RPM (340. RAD/SEC)	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						
	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						
AIRFLOW RATIO M/WH 12.60	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7						
	500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7						
	630	47.0	60.1	66.7	71.5	72.8	72.2	70.8	69.1	64.7	59.7						
	800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2						
VEHICLE CONFIG UTS/IM 604	1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8						
LOC SCHEMECTADY	1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9						
EATE 6/30/75	1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2						
RUN 27/7	2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5						
TAPE	2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7						
FAN TIP SPEED 773. FT/SEC	3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6						
	4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4						
	5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5						
	6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9						
	8000	23.3	51.3	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1						
	10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						
OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2						
		75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7						

	50	75.5	79.7	83.0	84.1	82.9	86.1	87.5	86.5	86.3	89.4						
SIDELINE 200. FT. (60.96 M)	63	74.7	77.1	79.1	81.0	81.8	82.0	83.7	78.6	77.0	75.5						
	80	76.7	80.9	82.3	82.6	83.7	84.7	85.6	84.0	83.1	79.7						
	100	76.5	81.0	82.7	83.5	83.1	84.8	85.8	84.7	83.1	81.9						
	125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4						
	160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3						
	200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2						
	250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9						
	315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5						
	400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2						
	500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4						
	630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6						
	800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2						
	1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1						
	1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4						
	1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0						
	2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6						
	2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1						
	3150	65.5	81.1	85.1	88.4	89.8	89.6	88.6	84.4	80.3	75.5						
	4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1						
	5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5						
	6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1						
	8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3						
	10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						
OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4						
		91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2						

ORIGINAL PAGE IS OF POOR QUALITY

Run 28/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 28 HR. 0.0											
		MODEL SOUND PRESSURE LEVELS (50, DEG. F., 70 PERCENT REL. HUM. DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIAN)											
		20	30	40	50	60	70	80	90	100	110	120	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.28)
50													
63													
80													
RADIAL 17. FT.													
(5. M)													
VEHICLE	UTMSIM	125	96.0	91.5	91.0	90.5	90.5	91.5	91.5	90.6	89.8	89.6	124.7
CONFIG	GC1	160	97.3	97.5	98.0	98.5	95.8	96.0	96.3	94.8	94.3	93.8	120.8
LCC	SCHENECTADY	200	97.7	95.7	95.2	94.7	94.5	94.0	92.2	89.8	88.3	86.8	120.8
DATE	7/1/75	250	100.2	99.0	98.2	96.5	97.0	97.0	96.7	95.0	93.8	91.0	130.1
RUN	28/1	315	98.7	99.7	99.2	98.0	97.2	97.0	98.0	96.8	95.0	94.3	130.0
TAPE		400	94.3	93.8	96.0	96.0	95.2	94.3	92.8	91.8	91.0	89.3	127.2
BAR	30.1 HG	500	91.8	91.0	91.8	90.8	90.0	89.3	88.5	86.8	85.5	83.3	122.0
	(31518. N/M2)	630	90.8	91.3	93.0	92.3	91.2	90.1	89.5	87.8	86.3	84.3	123.6
TAMB	78. DEG F	800	89.8	90.0	93.3	93.8	92.7	91.8	90.5	88.3	86.5	84.1	124.4
	(299. DEG K)	1000	88.3	89.3	93.2	94.2	93.2	91.8	90.3	87.8	85.0	82.1	124.3
TRT	64. DEG F	1250	87.3	89.0	94.8	96.0	94.5	92.3	90.8	88.9	85.3	82.3	123.4
	(291. DEG K)	1600	85.3	88.6	93.5	96.0	94.7	93.3	91.8	89.4	85.8	82.1	123.0
MACT	10.97 CM/MS	2000	86.3	89.3	92.8	96.5	94.2	92.4	90.6	89.0	85.3	81.6	123.2
	(0.01097 M/G/M3)	2500	90.5	93.3	96.5	98.7	97.4	95.1	92.9	90.2	86.5	82.6	127.0
NFA	9719. RPM	3150	94.0	97.1	100.0	102.9	101.9	100.1	98.1	94.2	90.0	84.9	132.1
	(1018. RAD/SEC)	4000	94.1	97.2	99.9	102.1	100.8	99.5	96.8	93.4	89.9	85.3	131.6
NFK	9548. RPM	5000	94.1	97.4	99.9	102.7	102.2	100.7	98.0	94.4	91.1	86.2	132.5
	(999. RAD/SEC)	6300	95.9	98.6	101.8	104.0	101.7	99.2	96.4	92.8	89.2	87.0	132.7
NFD	11517. RPM	8000	93.4	97.8	100.4	101.5	101.0	99.5	98.0	93.9	90.2	86.6	132.0
	(1208. RAD/SEC)	10000	94.3	100.0	102.8	102.9	102.2	101.3	99.5	95.5	91.2	87.7	133.6
NO. OF BLADES	18	12500	95.0	99.1	101.4	102.2	101.7	100.4	99.1	94.9	91.0	87.3	133.2
FAN TIP SPEED	16000	16000	93.0	97.7	99.7	101.0	100.5	99.3	98.8	94.0	90.5	87.7	132.4
	848. FT/SEC	20000	91.5	97.2	99.3	100.5	99.9	99.6	98.8	94.4	90.9	88.2	132.7
		25000	93.8	96.0	98.7	99.6	99.3	98.7	97.6	94.4	89.5	87.9	132.5
		31500	88.0	95.4	97.8	98.9	97.8	97.9	96.8	93.4	89.2	86.9	132.5
		40000	82.3	92.3	94.6	95.1	95.2	95.0	95.0	89.9	86.7	84.8	130.8
		50000	77.8	88.9	90.4	90.9	92.4	91.3	92.5	85.8	83.4	81.0	129.4
		63000	78.0	84.1	84.6	84.8	87.1	85.9	86.3	79.7	77.8	75.9	128.4
		80000	82.7	83.2	83.0	83.4	83.8	84.0	84.4	76.4	74.7	72.9	128.4
OVERALL MEASURED													
OVERALL CALCULATED		108.5	110.4	112.3	113.6	112.7	111.6	110.2	107.1	104.4	102.2		144.8
PNDB		118.8	121.0	123.4	125.5	124.4	122.9	120.8	118.0	114.7	111.1		

Run 28/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 22 HR. 0.0														
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DATA)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)														
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.
FREQ.		(0.35)	(0.52)	(0.79)	(1.07)	(1.55)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	
	50	67.4	72.0	75.1	77.4	75.8	75.9	77.5	76.2	75.6	74.4					
	63	67.4	69.9	72.1	73.4	74.4	74.7	73.4	71.0	69.4	67.5					
SIDELINE 500. FT.	80	69.3	72.7	74.8	74.9	76.6	77.4	77.6	76.1	74.7	71.5					
(192.40 M)	100	67.4	73.1	75.5	76.1	76.6	77.2	78.7	77.7	75.7	74.5					
NFA 2736. RPM	125	62.3	66.7	71.9	73.9	74.4	74.3	73.3	72.5	71.6	69.3					
(287. RAD/SEC)	160	59.3	63.6	67.4	68.4	68.9	69.1	68.8	67.3	65.8	63.1					
NFA 2689. RPM	200	57.7	63.4	68.3	69.6	70.0	69.7	69.6	68.1	66.4	63.9					
(284. RAD/SEC)	250	58.2	61.7	68.2	70.8	71.2	71.2	70.4	68.4	66.4	63.4					
NFD 3244. RPM	315	54.0	60.6	67.9	71.0	71.4	70.9	69.9	67.7	64.7	61.2					
(340. RAD/SEC)	400	52.4	59.8	69.0	72.5	72.4	71.2	70.2	68.5	64.7	61.2					
AIRFLOW RATIO	500	49.5	58.9	67.4	72.1	72.4	72.0	71.0	68.8	65.0	60.7					
NFA/M 12-00	630	54.2	63.1	70.0	74.5	74.8	73.5	71.8	69.3	65.4	61.0					
	800	56.8	66.3	73.0	78.3	78.9	78.1	74.8	73.1	68.6	62.9					
VEHICLE UTHS:K	1000	56.1	65.8	72.4	77.1	77.5	77.3	74.9	72.0	68.2	63.0					
CONFIG GO1	1250	55.1	65.3	71.8	77.3	78.5	78.1	76.0	72.6	69.1	63.6					
LCC SCHEMECTADY	1600	55.6	65.7	73.2	78.1	77.5	76.1	74.0	70.6	66.8	64.0					
DATE 7/1/75	2000	51.9	63.9	71.1	75.0	76.3	76.1	75.2	71.3	67.4	63.2					
RUN 28/1	2500	51.6	65.4	72.1	75.9	77.1	77.5	76.4	72.5	68.0	63.8					
TAPE	3150	50.3	63.2	70.5	74.5	76.0	76.0	75.4	71.5	67.3	62.9					
FAN TIP SPEED	4000	45.2	59.8	67.3	72.1	73.8	74.0	74.2	69.8	66.0	62.4					
648. FT/SEC	5000	42.3	58.5	66.4	71.2	72.9	74.1	74.0	69.9	66.1	62.6					
	6300	36.6	54.1	63.4	68.4	70.7	71.8	71.5	68.6	63.4	60.9					
	8000	28.1	48.5	58.9	64.8	66.7	68.7	68.7	65.6	61.1	57.8					
	10000	9.5	38.6	50.7	57.0	60.8	62.8	64.0	59.3	55.9	52.6					
OVERALL CALCULATED	75.0	80.2	84.8	88.1	88.8	88.7	87.9	85.6	83.2	80.7						
PMDB	77.2	88.5	95.4	99.4	100.4	100.6	99.7	96.3	92.5	88.8						

	50	77.2	81.0	83.7	85.8	84.1	85.1	85.8	84.4	83.8	82.7				
	63	77.5	79.1	80.9	82.0	82.8	83.0	81.7	79.4	77.7	75.8				
SIDELINE 200. FT.	80	79.7	82.2	83.8	83.6	85.2	85.9	86.1	84.5	83.1	80.0				
(60.96 M)	100	78.0	82.8	84.6	85.0	85.4	85.9	87.3	86.2	84.3	83.2				
	125	73.3	78.6	81.3	82.9	83.3	83.1	82.0	81.2	80.3	78.1				
	160	70.6	73.7	76.9	77.6	78.0	78.0	77.7	76.1	74.7	72.0				
	200	69.3	73.8	78.1	79.0	79.1	78.7	78.6	77.0	75.4	73.0				
	250	68.1	72.4	78.2	80.4	80.5	80.4	79.5	77.5	75.6	72.6				
	315	66.3	71.5	78.0	80.8	80.9	80.3	79.2	76.9	73.9	70.5				
	400	65.1	71.1	79.4	82.4	82.1	80.7	79.6	77.9	74.1	70.7				
	500	62.5	70.4	78.0	82.3	82.2	81.6	80.6	78.3	74.5	70.4				
	630	67.7	75.0	80.9	84.9	84.3	83.3	81.5	79.0	75.2	70.8				
	800	70.8	78.5	84.2	89.0	89.2	88.2	84.7	83.0	78.5	73.0				
	1000	70.7	78.5	84.0	88.0	88.0	87.5	85.1	82.1	78.4	73.3				
	1250	70.2	78.4	83.7	88.5	89.3	88.6	86.4	82.9	79.4	74.1				
	1600	71.5	79.3	85.5	89.6	88.6	86.9	84.8	81.2	77.5	74.8				
	2000	68.6	78.2	83.9	86.9	87.7	87.2	86.2	82.3	78.4	70.3				
	2500	69.1	80.2	85.7	88.2	88.9	88.9	87.8	83.7	79.3	75.3				
	3150	69.1	78.9	84.4	87.4	88.3	87.9	87.1	83.1	79.0	74.8				
	4000	66.1	76.8	82.3	85.8	86.9	86.6	86.6	82.1	78.4	75.0				
	5000	64.2	76.3	82.0	85.5	86.4	87.1	86.8	82.6	78.9	75.7				
	6300	61.9	74.2	80.8	84.2	85.6	86.0	85.5	82.4	77.4	75.2				
	8000	56.6	72.1	79.0	82.9	83.6	84.9	84.5	81.2	76.8	73.9				
	10000	47.5	67.1	74.7	78.4	80.5	81.6	82.3	77.4	74.1	71.4				
OVERALL CALCULATED	86.1	91.5	96.1	99.2	99.6	99.3	96.4	95.6	92.7	90.1					
PMDB	94.1	103.1	108.5	111.7	112.3	112.1	111.2	107.7	104.0	100.4					

Run 28/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM											PROC. DATE - MONTH 7 DAY 22 HR. 0.7							
MODEL SOUND PRESSURE LEVELS (90. DBE, F. 70 PERCENT REL. HUM. ENV)																		
ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	PNL
	FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL 17. FT.	50																	
(5. M)	63																	
VEHICLE UT-SIM	80																	122.4
CONFIG GO1	100	95.8	91.8	86.0	83.5	85.5	87.5	88.8	89.0	88.5	87.1							125.2
LOC SCHENECTADY	125	95.8	92.5	91.8	90.8	90.8	91.8	92.5	91.0	90.8	90.1							126.5
DATE 7/1/75	160	97.0	98.6	99.0	98.8	98.3	93.8	93.5	92.3	92.0	92.1							128.1
RUN 28/2	200	99.0	97.5	96.7	96.2	95.7	94.7	93.2	90.5	88.8	88.1							131.0
TAPE	250	100.7	100.2	99.0	97.5	98.0	97.7	97.5	96.0	94.8	92.0							131.7
EAR 30.1 HG	315	99.2	100.5	100.2	98.7	98.0	98.3	98.2	97.2	96.3	94.8							128.1
(01518. N/M2)	400	95.5	95.3	96.7	96.7	96.0	94.8	93.8	93.0	91.5	90.1							123.8
TAMP 79. DEG F	500	92.3	91.5	93.0	91.8	91.0	90.0	89.5	88.3	86.3	84.1							124.4
(299. DEG K)	630	91.5	92.0	93.5	93.5	92.0	91.3	90.3	88.5	87.0	85.3							125.0
T. ET 85. DEG F	800	89.8	91.0	93.8	94.3	93.5	92.3	91.3	89.3	87.0	85.1							124.8
(291. DEG K)	1000	88.0	89.8	93.7	94.0	93.7	92.6	91.0	88.8	85.5	82.8							125.5
HACT 11.48 GM/M3	1250	87.5	88.5	94.3	95.2	95.0	93.1	91.6	89.1	85.8	83.3							127.7
(.01148 KG/M3)	1600	85.8	88.8	93.3	95.8	95.0	93.1	91.9	89.1	86.0	82.4							125.6
NFA 10076. RPM	2000	86.8	89.6	93.3	96.2	95.0	93.1	91.4	88.9	85.3	82.1							131.9
(1055. RAD/SEC)	2500	91.0	93.3	96.3	98.5	96.9	94.9	92.9	89.7	86.8	82.9							132.5
NFK 9887. RPM	3150	95.7	97.1	100.5	102.7	101.4	99.1	96.9	93.7	90.0	85.4							133.4
(1035. RAD/SEC)	4000	95.1	97.5	100.4	102.3	102.5	100.5	97.8	94.1	91.1	86.3							134.8
NFD 11517. RPM	5000	96.1	97.9	101.1	103.0	103.2	101.5	99.3	95.4	92.1	87.5							132.3
(1206. RAD/SEC)	6300	98.9	100.9	103.3	105.8	104.5	101.4	98.9	94.7	91.7	86.0							134.6
NO. OF BLADES 18	8000	94.9	98.3	100.7	101.7	100.9	100.5	98.0	94.1	90.7	86.4							133.8
FAN TIP SPEED 880. FT/SEC	10000	96.6	100.3	103.0	102.9	103.4	102.3	100.5	96.4	92.4	88.8							134.4
(12000. FT/SEC)	12500	95.8	99.4	102.4	101.9	102.7	101.4	100.1	96.1	92.2	88.3							130.7
25000	16000	94.7	98.4	101.1	101.2	101.7	100.0	100.0	95.2	91.7	86.9							133.7
31500	20000	92.2	98.1	101.0	101.5	101.6	100.8	99.7	96.0	91.8	89.9							132.8
40000	25000	92.2	97.4	100.6	100.6	100.5	99.9	99.0	95.2	91.7	89.6							133.7
50000	31500	89.6	96.6	99.2	99.5	97.7	96.8	96.3	94.7	90.9	86.1							132.8
63000	40000	83.2	93.7	96.3	95.8	96.4	95.6	96.1	91.4	87.9	85.9							130.7
80000	50000	78.7	90.5	92.0	92.0	93.8	92.6	93.6	87.1	84.7	82.6							127.8
OVERALL MEASURED	63000	78.8	87.2	85.2	85.6	88.0	87.3	86.9	81.4	78.4	76.4							128.9
OVERALL CALCULATED	80000	82.5	85.5	82.8	83.2	84.1	84.1	84.2	81.2	74.8	73.5							145.7
		109.6	111.3	113.3	114.1	113.8	112.4	111.1	107.8	105.2	102.8							
PNDR		120.5	122.0	124.4	126.0	125.2	123.4	121.5	118.3	115.5	111.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. LAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)
	50	67.2	73.2	76.1	77.6	78.3	74.0	74.8	73.7	73.3	72.9						
	63	68.7	71.6	73.6	74.9	75.6	75.4	74.4	71.7	69.9	68.7						
SIDELINE 500. FT.	80	69.8	74.0	75.5	75.9	77.6	78.2	78.4	77.0	75.7	72.5						
(152.40 M)	100	67.9	73.8	76.5	76.9	77.4	78.5	79.0	78.1	77.0	75.0						
NFA 2838. RPM	125	63.6	68.2	72.7	74.6	75.2	74.8	74.3	73.7	72.1	70.1						
(297. RAD/SEC)	160	59.8	64.1	68.6	69.4	69.9	69.8	69.8	68.7	66.8	63.9						
NFK 2785. RPM	200	58.5	64.2	68.8	70.9	70.7	70.9	70.4	68.8	67.1	64.9						
(292. RAD/SEC)	250	56.2	62.7	68.7	71.3	72.0	71.7	71.2	69.3	66.9	64.4						
NFD 3244. RPM	315	53.8	61.1	68.4	70.8	71.9	71.7	70.7	68.6	65.2	61.9						
(340. RAD/SEC)	400	52.6	59.4	68.5	71.7	72.9	72.0	71.0	68.7	65.2	62.2						
AIRFLOW RATIO	500	50.2	59.1	67.1	71.9	72.6	71.7	71.0	68.5	65.2	61.0						
NF/MH 12.6G	630	54.7	63.1	69.7	74.3	74.3	73.2	71.8	68.8	65.4	61.2						
	600	55.6	66.3	73.5	78.1	78.4	77.1	75.5	72.5	68.8	63.4						
VEHICLE UTMSIM	1000	53.1	66.1	72.9	77.4	79.2	78.3	76.2	72.7	69.5	64.0						
CONFIG GD	1250	57.1	65.8	73.1	77.6	79.5	78.8	77.3	73.6	70.1	64.9						
LCC SCMECTADY	1600	58.6	67.9	74.7	79.8	80.3	78.4	76.5	72.5	69.3	65.0						
DATE 7/1/75	2000	53.4	64.4	71.3	75.2	76.3	77.1	75.7	71.5	67.9	62.9						
RUN 28/2	2500	53.8	65.6	73.0	75.9	78.4	78.5	77.4	73.5	69.3	64.8						
TAPE	3150	51.0	63.4	71.5	74.2	77.0	77.0	76.4	72.6	68.5	63.8						
FAN TIP SPEED	4000	46.9	60.5	68.8	72.3	75.0	74.7	75.5	70.9	67.2	63.6						
880. FT/SEC	5000	43.7	59.4	68.1	72.2	74.6	75.3	75.0	71.5	67.1	64.3						
	6300	38.0	55.5	65.4	69.4	71.9	72.9	73.0	69.5	65.6	62.6						
	8000	27.7	49.7	60.3	65.5	68.6	69.6	70.1	67.0	62.7	58.9						
	10000	10.7	43.0	52.3	57.7	61.9	63.5	65.2	60.9	57.0	53.7						
OVERALL CALCULATED		75.7	81.2	85.7	88.6	89.8	89.4	88.6	86.1	83.7	81.0						
PNEB		79.8	89.1	96.3	99.6	101.5	101.8	100.6	97.2	93.6	89.8						

	50	77.0	82.2	84.7	86.1	86.6	82.8	83.0	81.9	81.5	81.2						
	63	78.7	80.8	82.4	83.5	84.0	83.8	82.7	80.1	78.2	77.1						
SIDELINE 200. FT.	80	80.2	83.4	84.5	84.6	86.2	86.7	86.8	85.5	84.1	81.0						
(60.96 M)	100	78.5	83.5	85.7	85.8	86.1	87.1	87.5	86.7	85.6	83.7						
	125	74.6	78.1	82.0	83.7	84.0	83.6	83.0	82.4	80.8	78.9						
	160	71.1	74.2	77.2	78.6	79.0	78.7	78.7	77.6	75.4	72.8						
	200	70.1	74.6	78.6	80.2	79.9	79.9	79.4	77.7	76.1	74.0						
	250	68.1	73.4	78.7	80.9	81.3	80.9	80.3	78.4	76.0	73.6						
	315	66.1	72.0	78.5	80.5	81.4	81.0	79.9	77.8	74.4	71.3						
	400	65.3	70.6	78.9	81.6	82.6	81.5	80.4	78.1	74.8	71.7						
	500	63.3	70.7	77.8	82.0	82.5	81.4	80.6	78.0	74.8	70.7						
	630	68.2	75.0	80.6	84.6	84.3	83.1	81.5	78.5	75.2	71.1						
	800	72.6	78.5	84.7	88.7	88.7	87.2	85.4	82.4	78.5	73.5						
	1000	72.7	78.7	84.5	88.2	89.7	88.5	86.3	82.8	79.6	74.3						
	1250	72.2	78.9	85.0	88.7	90.3	89.3	87.6	83.9	80.4	75.4						
	1600	74.5	81.5	87.0	91.4	91.4	89.2	87.1	83.1	80.0	75.8						
	2000	70.1	78.7	84.1	87.1	87.7	88.2	86.2	82.5	78.9	74.0						
	2500	71.3	80.4	86.3	88.2	90.1	89.9	88.6	84.7	80.5	76.2						
	3150	69.8	79.1	85.4	87.1	89.3	88.9	88.1	84.3	80.2	75.7						
	4000	67.8	77.5	83.8	86.1	88.1	87.3	87.8	83.2	79.6	76.2						
	5000	65.7	77.2	83.7	86.5	88.1	88.3	87.8	84.3	79.9	77.4						
	6300	63.4	75.6	82.7	85.2	86.7	87.2	86.9	83.3	79.6	76.9						
	8000	58.3	73.3	80.4	83.6	85.5	85.8	85.9	82.6	78.5	75.1						
	10000	48.4	68.5	76.3	79.0	81.7	82.2	83.4	79.0	75.2	72.5						
OVERALL CALCULATED		87.0	92.4	97.0	99.7	100.7	100.1	99.2	96.2	93.5	90.6						
PNEB		95.4	103.7	109.5	111.9	113.4	113.0	112.2	108.7	105.1	101.5						

ORIGINAL PAGE IS OF POOR QUALITY

Run 28/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 9.7														
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	68.9	74.5	77.4	78.1	79.1	75.1	76.0	75.7	75.5	73.6					
(152.40 M.)	63	69.7	74.9	76.8	77.6	78.9	77.2	75.9	74.2	73.1	71.2					
NFA (2972. RPM)	80	72.1	75.2	77.5	77.4	78.6	79.4	79.4	78.0	76.6	73.4					
(311. RAD/SEC)	100	69.6	75.1	78.2	78.6	78.9	79.2	80.0	79.1	77.7	75.7					
NFA (2911. RPM)	125	65.8	69.2	73.9	75.6	76.2	76.3	75.5	74.9	73.5	71.3					
(305. RAD/SEC)	150	61.0	65.9	69.6	71.4	72.5	72.4	71.9	70.5	68.9	66.4					
NFA (3244. RPM)	200	58.4	64.0	69.7	72.6	73.0	73.2	72.4	70.8	68.9	65.4					
(340. RAD/SEC)	250	56.3	62.3	68.4	71.8	72.9	73.0	71.9	69.4	66.7	63.6					
AIRFLOW RATIO	315	54.6	61.1	69.0	72.5	73.7	73.0	72.2	70.2	66.7	63.4					
WF/HM 12.60	400	52.2	59.9	67.4	72.4	73.4	72.7	71.5	69.5	65.9	62.2					
	630	52.2	61.1	67.2	73.3	73.3	72.7	71.3	69.3	65.6	61.7					
VEHICLE CONFIG	800	54.6	62.5	68.5	74.1	73.7	72.9	71.5	69.5	65.8	62.1					
UTRNSIM	1000	58.7	67.1	73.5	78.2	79.3	78.3	75.7	73.7	69.0	64.8					
GO1	1250	58.9	66.6	73.1	77.9	79.3	78.4	76.6	74.1	69.8	64.6					
LOC SCHENECTADY	1630	57.0	65.9	73.1	77.7	79.7	79.1	77.8	74.6	70.8	65.3					
DATE 7/1/75	2030	60.2	69.7	76.4	80.9	81.2	80.1	77.7	74.0	70.5	66.4					
RUN 28/3	2500	54.3	64.5	71.4	75.4	76.8	77.3	75.7	72.1	68.7	64.4					
TAPE	3150	52.4	65.4	72.7	76.2	78.3	79.2	78.1	74.7	70.0	66.0					
FAN TIP SPEED	4000	49.7	62.9	70.8	74.0	76.5	76.6	76.1	72.6	68.9	64.6					
921. FT/SEC	5000	46.6	60.3	68.6	73.2	74.9	75.8	75.4	71.8	68.1	64.4					
	6300	39.7	57.2	65.7	71.0	73.0	74.6	74.7	70.5	66.7	63.3					
	8000	31.3	50.8	61.4	66.4	69.9	70.7	71.4	68.4	64.5	61.3					
OVERALL CALCULATED	10000	17.4	42.6	55.4	61.3	64.6	67.2	67.4	64.5	60.7	56.7					
PNTB		77.4	82.6	86.8	89.4	90.5	90.1	89.3	87.2	84.6	82.0					
		61.3	66.6	69.2	70.3	70.7	70.7	70.7	68.2	64.9	61.0					

SIDELINE 200. FT.	50	78.7	83.5	86.0	86.6	87.4	83.3	84.3	83.9	83.8	81.8					
(60.96 M.)	63	79.7	84.1	86.6	86.2	87.3	85.5	84.2	82.9	81.4	79.5					
	80	82.5	84.7	86.5	86.1	87.2	87.9	87.8	86.5	85.1	81.9					
	100	80.3	84.8	87.4	87.5	87.6	87.9	86.5	87.7	86.3	84.4					
	125	76.8	79.1	83.3	84.7	85.0	85.1	84.2	83.6	82.2	80.0					
	160	73.1	75.7	78.9	80.1	80.5	80.2	80.7	79.1	77.1	74.5					
	200	72.6	76.3	79.3	80.7	81.6	81.4	80.9	79.5	77.8	75.4					
	250	70.4	74.7	79.7	82.1	82.3	82.4	81.5	79.9	78.0	74.6					
	315	68.6	73.3	78.5	81.5	82.4	82.3	81.2	78.6	75.9	73.0					
	400	67.3	72.3	79.4	82.4	83.3	82.5	81.6	79.6	76.1	72.9					
	500	65.3	71.4	78.0	82.5	83.2	82.4	81.1	79.0	75.5	71.8					
	630	65.7	73.0	78.1	83.6	83.4	82.5	81.0	79.0	75.4	71.5					
	800	68.6	74.7	79.7	84.7	84.0	82.9	81.4	79.4	75.8	72.1					
	1000	73.2	79.8	85.3	89.0	89.8	88.6	85.8	83.8	79.1	75.0					
	1250	74.0	79.7	85.0	89.1	90.1	88.9	86.9	84.4	80.2	75.1					
	1600	72.9	79.5	85.4	89.3	90.8	89.9	88.5	85.2	81.5	76.1					
	2000	77.0	83.9	89.2	92.9	92.6	91.2	88.7	84.9	81.5	77.5					
	2500	71.8	79.3	84.6	87.7	88.5	88.8	87.0	83.3	79.9	75.8					
	3150	71.2	81.1	86.6	89.1	90.6	91.1	89.8	86.4	81.7	77.9					
	4000	70.6	80.0	85.8	87.5	89.6	89.2	85.4	84.9	81.2	77.3					
	5000	68.6	78.1	84.2	87.5	88.4	88.6	88.2	84.6	80.9	77.4					
	6300	65.0	77.3	83.1	86.8	87.8	88.9	88.6	84.3	80.7	77.6					
	8000	61.8	74.4	81.5	84.5	86.8	86.8	87.1	84.0	80.2	77.5					
OVERALL CALCULATED	10000	55.1	71.2	79.3	82.6	84.3	86.0	85.7	82.6	79.0	75.5					
PNTB		68.7	73.7	77.9	80.6	81.4	81.0	80.0	77.4	74.7	71.7					
		97.8	105.6	110.4	113.5	114.3	114.4	113.2	110.1	106.4	102.7					

Run 28/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 9.7																
		MODEL SOUND PRESSURE LEVELS (50. DFC, F. 70 PERCENT, REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.67)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.																		
(5. F)																		
VEHICLE UTMSIM	100	99.8	94.0	88.5	85.3	87.3	88.8	89.8	89.8	89.3	87.5							124.4
CONFIG GO1	125	98.3	94.5	92.3	91.4	91.3	92.3	92.3	91.3	91.0	90.8							126.1
LCC SCHENECTADY	160	99.0	96.5	96.3	95.5	93.8	93.5	93.8	92.8	91.8	90.8							127.9
DATE 7/1/75	200	102.7	102.2	103.5	103.0	103.2	101.0	99.2	97.0	94.7	94.2							134.3
RUN 28/4	250	103.5	103.2	102.5	101.5	101.0	101.0	100.2	98.7	97.0	94.0							134.0
TAPE	315	101.2	103.0	103.2	102.5	101.2	101.0	101.0	100.0	98.0	96.7							134.5
BAR 30.1 HG	400	98.3	98.8	101.0	100.5	99.5	98.5	98.3	96.5	95.5	93.5							131.9
(01516 N/M2)	500	95.0	95.5	96.5	96.0	94.7	94.0	93.3	91.5	89.7	87.8							127.3
TANS 86. DEG F	630	94.8	95.8	96.8	96.8	95.7	95.3	94.0	92.3	90.5	89.0							128.0
(303. DEG K)	800	93.0	94.3	97.3	97.5	96.7	95.8	95.0	92.3	90.7	88.3							128.4
T-ET 67. DEG F	1000	90.3	93.3	96.0	96.7	96.2	95.3	94.0	91.8	89.0	86.7							127.6
(293. DEG K)	1250	90.0	92.1	96.0	96.0	97.0	96.1	94.8	92.3	89.8	86.5							128.2
HACT11.08 GM/M3	1600	88.8	91.8	94.8	97.8	97.2	95.6	93.9	91.6	88.5	86.1							127.7
(.01108 KG/M3)	2000	89.8	93.1	95.0	99.0	97.5	95.4	93.9	91.4	88.7	85.3							128.1
NFA 11712. RPM	2500	92.5	94.6	96.5	99.2	98.2	95.9	94.4	92.2	89.0	85.3							128.8
(1226. RAD/SEC)	3150	95.7	99.8	101.3	103.9	103.1	100.6	97.9	94.4	91.4	87.3							133.3
NFK 11419. RPM	4000	100.2	102.5	103.7	105.6	105.6	103.3	101.1	97.7	93.9	89.3							135.8
(1196. RAD/SEC)	5000	100.1	102.2	104.1	105.8	106.2	104.2	102.8	98.9	95.5	90.5							136.5
NFD 11517. RPM	6300	101.4	103.6	104.6	106.3	106.2	104.2	101.1	97.7	94.7	91.0							136.8
(1206. RAD/SEC)	8000	100.0	103.3	104.7	105.7	105.2	104.1	101.8	98.7	95.0	91.1							136.4
NO. OF BLADES 18	10000	98.9	103.6	105.8	106.5	106.2	105.9	104.6	100.9	96.9	93.4							137.9
FAN TIP SPEED	12500	99.3	103.7	105.0	106.0	105.8	105.0	104.4	100.4	96.5	93.2							137.6
1022. FT/SEC	16000	98.0	102.2	104.2	104.5	104.1	104.1	103.8	99.5	96.0	93.2							136.9
	20000	96.1	102.3	104.4	104.9	104.3	104.2	103.9	100.7	96.7	94.4							137.8
	25000	96.2	101.4	104.1	103.2	104.5	103.6	103.7	100.5	96.6	95.0							138.1
	31500	94.2	100.6	103.3	103.6	103.0	103.3	103.6	99.5	96.4	94.4							137.1
	40000	87.1	98.6	100.7	101.2	101.1	100.6	101.5	96.9	93.8	92.0							135.8
	50000	82.3	96.6	96.8	96.6	98.6	97.5	98.7	92.7	91.3	88.4							133.0
	63000	80.4	93.0	90.7	90.6	93.3	92.6	92.7	86.7	85.4	82.9							132.3
	80000	83.5	91.1	85.6	85.9	86.7	87.4	86.3	83.3	84.8	82.3							
OVERALL MEASURED																		149.8
OVERALL CALCULATED		112.6	114.8	116.3	117.0	116.8	115.7	116.8	111.6	108.7	106.2							
PNCB		123.5	125.4	126.8	128.2	127.9	126.2	124.6	121.5	118.8	114.9							

Run 28/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 22 HR. 9.7												
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. 54V)														
ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	69.2	71.0	73.4	74.4	73.8	74.4	75.0	74.2	73.0	71.6			
NFA 3299. RPM (345. RAD/SEC)	63	72.4	76.4	80.3	81.6	83.1	81.7	80.4	78.2	75.9	74.9			
NFK 3216. RPM (337. RAD/SEC)	80	72.6	77.0	79.0	79.9	80.6	81.4	81.1	79.8	77.9	74.4			
NFD 3244. RPM (340. RAD/SEC)	100	69.9	76.3	79.5	80.6	80.6	81.2	81.7	80.9	78.7	77.0			
AIRFLOW RATIO WF/RH 12-60	125	66.3	71.7	76.9	78.4	78.7	78.6	78.8	77.2	76.0	73.5			
VEHICLE CONFIG LOC SCHENECTADY DATE 7/1/75 RUP. 28/4 TAPE FAH TIP SPEED 1022. FT/SEC	100	62.5	68.1	72.1	73.6	73.7	73.8	73.6	72.0	70.0	67.6			
	200	61.7	67.9	72.1	74.1	74.5	74.9	74.1	72.5	70.6	68.6			
	250	59.4	66.0	72.2	74.6	75.2	75.2	74.9	72.3	70.6	67.6			
	315	56.0	64.6	70.6	73.5	74.4	74.5	73.7	71.8	68.7	65.9			
	400	55.1	62.9	70.3	74.5	74.9	75.0	74.2	71.9	69.2	65.4			
	500	53.2	62.1	68.6	73.9	74.9	74.2	73.0	71.0	67.7	64.7			
	630	53.5	62.9	68.5	74.8	74.8	73.7	72.8	70.5	67.6	63.7			
	800	55.3	63.8	69.5	74.6	75.2	73.9	73.0	71.0	67.6	63.4			
	1000	54.7	68.4	73.7	78.9	79.0	78.3	76.2	72.9	69.7	65.0			
	1250	61.1	70.4	75.6	80.1	81.8	80.6	79.1	75.8	71.8	66.6			
	1600	59.8	69.2	75.4	79.7	82.0	81.1	80.3	76.6	73.1	67.3			
	2000	59.7	69.7	75.2	79.7	81.5	80.6	78.2	75.0	71.8	67.4			
	2500	57.0	66.5	74.6	78.6	80.0	80.1	78.5	75.6	71.7	67.1			
	3150	53.9	67.4	74.7	78.5	80.3	81.2	80.6	77.3	73.0	68.8			
	4000	51.3	65.5	72.3	76.9	78.8	79.4	79.6	75.8	71.6	67.2			
	5000	48.4	63.1	70.9	74.8	76.6	78.1	78.6	74.6	70.9	67.2			
	6300	41.2	59.7	68.5	73.1	75.1	76.7	77.2	74.3	70.0	66.9			
	8000	33.4	53.6	64.2	68.7	72.5	73.5	74.7	71.7	67.6	64.9			
	10000	20.3	45.5	58.0	64.2	67.2	69.8	71.3	67.7	64.1	60.8			
OVERALL CALCULATED		78.3	83.9	88.2	91.1	92.3	92.1	91.5	89.1	86.4	83.6			
PNDB		62.0	92.3	96.9	102.7	104.3	104.7	104.1	101.1	97.4	93.5			

SIDELINE 200. FT. (60.96 M)	50	79.0	80.0	82.0	82.8	82.1	82.6	83.3	82.4	81.3	79.8			
	63	82.5	85.6	89.1	90.2	91.5	90.0	88.7	86.6	84.2	83.3			
	80	83.0	86.4	88.0	88.6	89.2	89.9	89.6	88.2	86.3	82.9			
	100	80.5	86.0	88.7	89.5	89.4	89.9	90.3	89.4	87.3	85.6			
	125	77.3	81.6	86.3	87.4	87.5	87.3	87.5	85.9	84.7	82.3			
	160	73.8	78.2	81.7	82.8	82.7	82.7	82.4	80.8	78.9	76.5			
	200	73.3	78.3	81.8	83.5	83.6	83.9	83.1	81.5	79.6	77.7			
	250	71.4	76.7	82.2	84.1	84.5	84.4	84.0	81.4	79.7	76.8			
	315	68.3	75.5	80.8	83.3	83.9	83.8	82.9	80.8	77.9	75.2			
	400	67.8	74.1	80.7	84.4	84.6	84.5	83.7	81.3	78.6	74.9			
	500	66.3	73.7	79.3	84.0	84.7	83.9	82.6	80.5	77.2	74.3			
	630	67.0	74.7	79.4	85.1	84.9	83.5	82.5	80.2	77.4	73.5			
	800	69.3	76.0	80.7	85.2	85.5	83.9	82.9	80.9	77.5	73.4			
	1000	73.2	81.0	85.3	89.8	90.3	88.6	86.3	83.0	79.9	75.3			
	1250	76.2	83.5	87.5	91.3	92.6	91.1	89.4	86.2	82.2	77.1			
	1600	75.7	82.8	87.7	91.3	93.1	91.9	91.0	87.2	83.7	78.1			
	2000	76.5	83.9	87.9	91.5	92.9	91.7	89.2	85.9	82.8	78.5			
	2500	74.6	83.3	87.8	90.9	91.8	91.5	89.7	86.8	82.9	78.6			
	3150	72.7	83.1	88.6	91.4	92.6	93.1	92.4	88.9	84.7	80.7			
	4000	72.1	82.5	87.3	90.6	91.8	92.0	92.0	88.2	84.0	80.3			
	5000	70.4	80.9	86.5	89.1	90.2	91.2	91.4	87.3	83.7	80.2			
	6300	66.6	79.8	85.9	88.9	89.9	90.9	91.2	88.1	84.0	81.1			
	8000	63.9	77.2	84.4	86.8	89.3	89.7	90.4	87.4	83.3	81.0			
	10000	54.0	74.1	81.9	85.5	86.9	88.6	89.5	85.7	82.3	79.6			
OVERALL CALCULATED		89.7	95.4	99.5	102.2	103.2	103.0	102.4	99.6	96.5	93.6			
PNDB		98.5	107.2	112.3	115.2	116.3	116.4	115.7	112.6	108.9	105.2			

Run 28/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 9.7																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	
	50																		
	63																		
RADIAL	17. FT.	80																	
	(5. M)	100	93.8	91.3	88.3	90.3	90.3	92.3	91.8	88.3	88.0	86.1							
VEHICLE	UTHSIM	125	94.8	92.0	92.5	91.8	92.3	92.8	92.0	91.1	90.5	90.3						123.8	
CONFIG	601	160	96.0	96.3	97.0	96.5	95.0	96.3	96.3	95.3	94.8	93.1						125.9	
LOC	SCHENECTADY	200	96.5	95.0	94.7	94.0	94.0	92.7	91.0	89.0	87.3	85.8						128.2	
DATE	7/1/75	250	99.5	98.2	97.7	95.7	95.7	95.7	96.2	94.3	93.3	90.0						128.8	
RUN	28/5	315	98.2	98.7	98.5	97.5	96.7	96.3	96.7	95.5	94.3	92.8						129.3	
TAPE		400	95.3	94.8	96.2	95.7	95.0	93.5	93.0	90.8	89.5	88.3						130.1	
BAR	30.1 HG	500	91.0	93.8	93.5	91.0	89.5	89.0	87.5	84.6	84.0	85.6						127.1	
	(01516 N/M2)	630	91.3	91.0	92.8	91.5	90.7	89.8	88.5	86.8	85.3	84.6						123.1	
TANG	80. DEG F	800	88.8	89.5	93.0	92.8	92.0	91.1	89.3	86.6	85.5	83.3						123.5	
	(300. DEG K)	1000	87.8	90.3	92.7	93.0	96.2	91.3	89.8	87.1	87.0	83.3						124.8	
T-ET	66. DEG F	1250	86.0	91.0	93.5	94.2	94.5	92.1	90.1	87.4	85.8	82.8						124.7	
	(292. DEG K)	1600	83.8	87.3	92.8	94.8	94.0	93.0	90.4	87.7	86.3	81.1						124.8	
MACT	12.00 GM/M3	2000	84.0	85.6	92.5	95.5	94.0	91.9	89.6	86.7	83.8	79.9						124.4	
	(.01200 KG/M3)	2500	89.8	93.6	96.5	99.7	98.2	97.1	93.9	91.5	87.3	82.8						128.9	
NFA	9389. RPM	3150	91.7	96.1	98.8	101.7	100.4	98.8	95.9	93.0	89.0	84.4						130.9	
	(983. RAD/SEC)	4000	92.4	96.2	98.4	101.1	100.5	98.5	95.8	92.4	88.6	84.5						130.7	
NFK	9205. RPM	5000	91.8	96.7	99.9	102.0	102.0	99.2	97.5	93.7	90.3	85.5						131.9	
	(964. RAD/SEC)	6300	93.4	96.4	99.8	101.3	100.2	97.9	95.4	91.0	88.0	84.5						130.8	
NFD	11517. RPM	8000	92.2	96.8	99.9	101.0	100.2	99.5	96.5	92.9	89.0	85.1						131.3	
	(1206. RAD/SEC)	10000	92.8	98.5	101.5	101.9	101.4	100.6	98.2	93.7	89.7	86.6						132.7	
NO. OF BLADES	18	12500	92.5	98.8	100.1	100.9	100.9	100.1	98.3	93.1	89.2	86.7						132.3	
FAN TIP SPEED		16000	95.9	98.3	98.8	99.4	99.2	98.7	97.7	92.5	88.4	86.3						131.4	
	820. FT/SEC	20000	89.1	98.6	98.7	99.5	99.1	98.8	97.2	93.3	88.8	87.8						131.8	
		25000	89.2	97.6	97.8	98.2	97.9	98.1	96.2	92.7	88.4	88.8						131.9	
		31500	86.5	96.2	96.2	97.0	96.4	95.7	95.2	91.7	86.8	88.3						131.1	
		40000	80.3	93.3	93.2	93.4	93.8	93.3	92.7	89.4	84.3	86.5						129.8	
		50000	77.1	91.4	88.6	89.4	90.9	90.5	90.3	87.5	81.6	86.2						128.8	
		63000	77.7	88.3	83.2	83.4	85.3	86.3	85.0	86.6	76.7	83.0						127.1	
		80000	82.3	86.3	82.6	83.0	83.4	84.9	84.0	86.3	74.1	81.8						130.8	
OVERALL MEASURED																			
OVERALL CALCULATED			107.4	110.1	111.5	112.5	112.0	111.0	109.3	106.2	103.6	101.8							144.1
PNDW			117.3	120.3	122.7	124.5	123.8	122.1	120.0	117.0	114.0	110.4							

Run 28/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 0.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)
SIDELINE 500. FT. (152.40 M)	50	66.2	70.7	74.1	75.4	75.1	77.1	77.5	76.7	76.1	73.9						
	63	66.2	69.1	71.6	72.6	73.9	73.4	72.1	70.3	68.4	66.5						
NFA 2645. RPM (1277. RAD/SEC)	80	68.6	72.0	74.3	74.1	75.4	76.2	77.1	75.3	74.2	70.5						
	100	66.9	72.1	74.7	75.6	76.1	76.5	77.5	76.4	75.0	73.0						
NFK 2593. RPM (1271. RAD/SEC)	125	63.3	67.7	72.2	73.6	74.2	73.6	73.5	71.5	70.1	68.3						
	160	58.5	65.3	69.1	68.6	68.4	68.8	67.8	67.0	64.3	65.4						
NFD 3244. RPM (1340. RAD/SEC)	200	58.2	63.2	68.1	68.9	69.5	69.4	68.6	67.1	65.4	64.2						
	250	55.2	61.2	65.0	65.8	65.5	70.4	69.2	66.6	65.4	62.7						
AIRFLOW RATIO 12-60	315	53.5	61.6	67.4	69.3	74.4	70.5	69.4	66.9	66.7	62.5						
	400	51.1	61.9	67.8	70.7	72.4	71.0	69.5	67.0	65.2	61.7						
VEHICLE CONFIG LOC SCHEMECTADY DATE 7/1/75 RUN 28/5 TAPE	500	48.2	57.6	66.6	70.9	71.6	72.2	69.5	67.0	65.5	59.7						
	630	53.5	63.4	70.0	75.5	75.5	75.5	72.8	70.6	68.2	61.0						
FAN TIP SPEED 820. FT/SEC	800	54.6	65.3	71.7	77.1	77.4	76.9	74.5	71.8	67.6	62.4						
	1000	54.4	64.8	70.9	76.1	77.2	76.3	74.2	71.0	67.0	62.3						
OVERALL CALCULATED	1250	52.8	64.6	71.8	76.6	75.3	76.6	75.5	71.9	66.3	62.9						
PND8	1600	53.1	63.4	71.1	75.3	76.0	74.9	73.0	68.8	65.6	61.5						
	2000	50.6	62.9	70.6	74.4	75.5	76.1	73.7	70.3	66.1	61.7						
	2500	50.0	63.9	71.5	74.9	76.4	76.7	75.1	70.8	66.5	62.8						
	3150	47.7	62.9	69.2	73.2	75.2	75.7	74.6	69.7	65.5	62.3						
	4000	43.2	60.5	66.5	70.5	72.5	73.4	73.2	68.2	63.9	61.0						
	5000	39.9	59.9	65.8	70.1	72.1	73.3	72.5	68.8	64.1	62.3						
	6300	35.0	55.7	62.5	67.1	69.3	71.1	70.1	67.0	62.3	61.8						
	8000	24.7	49.3	57.2	62.9	65.3	67.5	67.0	63.9	58.6	59.1						
	10000	7.8	39.6	49.2	55.3	59.3	61.1	61.8	58.9	53.4	54.4						
OVERALL CALCULATED	74.2	79.6	84.2	87.1	89.2	88.1	87.2	84.7	82.6	79.9							
PND8	75.8	82.2	84.7	88.3	89.7	89.9	88.7	84.9	81.2	80.1							

SIDELINE 200. FT. (60.96 M)	50	76.0	79.7	82.7	83.8	83.4	85.3	85.8	84.9	84.3	82.2						
	63	76.2	78.3	80.4	81.2	82.3	81.8	80.4	78.6	76.7	74.8						
	80	79.0	81.4	83.3	82.8	83.9	84.7	85.6	83.8	82.6	79.0						
	100	77.5	81.8	83.9	84.5	84.9	85.1	86.0	85.0	83.6	81.7						
	125	74.3	77.6	81.5	82.7	83.0	82.3	82.2	80.2	78.8	77.1						
	160	69.8	76.5	78.7	77.8	77.5	77.7	76.7	75.9	73.2	74.3						
	200	69.8	73.6	77.8	78.2	78.6	78.4	77.6	76.0	74.4	73.2						
	250	67.1	71.9	77.9	79.4	79.8	79.6	78.3	75.7	74.5	71.9						
	315	65.8	72.5	77.5	79.5	83.9	79.8	78.7	76.1	75.9	71.8						
	400	63.8	73.1	78.2	80.6	82.1	80.5	78.9	76.4	74.6	71.2						
	500	61.3	69.2	77.3	81.0	81.5	81.9	79.1	76.6	75.0	69.4						
	630	67.0	75.2	80.9	85.9	85.6	85.3	82.5	80.3	75.9	70.8						
	800	68.6	77.5	83.0	87.7	87.7	86.9	84.4	81.7	77.5	72.5						
	1000	68.9	77.5	82.5	87.0	87.7	86.5	84.3	81.1	77.1	72.6						
	1250	67.9	77.7	83.7	87.7	89.0	87.1	85.9	82.2	78.7	73.4						
	1600	69.0	77.0	83.5	86.9	87.1	85.7	83.6	79.4	76.2	72.3						
	2000	67.3	77.1	83.3	86.4	87.0	87.2	84.6	81.2	77.1	72.8						
	2500	67.6	78.6	84.8	87.2	88.1	88.2	86.4	81.9	77.8	74.2						
	3150	66.6	78.6	83.1	86.1	87.5	87.5	86.3	81.3	77.2	74.2						
	4000	64.0	77.5	81.5	84.3	85.6	86.1	85.6	80.5	76.3	73.7						
	5000	61.9	77.7	81.4	84.4	85.6	86.3	85.2	81.5	76.8	75.3						
	6300	67.3	75.8	79.9	82.9	84.2	85.4	84.1	80.8	76.3	76.1						
	8000	55.2	73.0	77.4	81.0	82.2	83.7	82.8	79.5	74.4	75.3						
	10000	45.5	68.2	73.2	76.6	79.1	79.9	80.1	77.0	71.6	73.1						
OVERALL CALCULATED	85.2	91.0	95.3	98.1	98.9	98.6	97.5	94.6	92.0	89.5							
PND8	92.3	102.8	107.8	110.5	111.6	111.6	110.3	106.3	102.6	99.9							

ORIGINAL PAGE IS OF POOR QUALITY

Run 28/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)											PROC. DATE - MONTH 7 DAY 22 HR. 9.7					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL	17. FT.	100	91.8	86.8	81.0	82.0	84.3	86.3	87.3	87.3	87.0	85.3						120.0
VEHICLE	(S. H)	125	93.8	90.3	91.0	90.8	90.3	92.0	92.3	91.6	91.0	90.8						125.0
CONFIG	UTMSIM	160	95.3	95.5	97.0	96.0	94.3	96.5	97.8	96.6	96.0	95.6						129.8
LOC	GO	200	94.7	93.0	92.2	92.5	92.2	91.5	89.5	87.3	85.8	84.8						124.3
LOC	SCHENECTADY	250	98.5	97.0	96.2	94.5	94.5	94.5	94.7	93.0	92.3	89.3						128.0
DATE	7/1/75	315	96.2	97.0	96.5	95.5	94.0	92.5	92.3	90.0	89.3	86.0	86.3					128.4
RUM	28/6	400	91.0	91.5	93.5	94.0	92.5	92.3	90.0	89.3	86.0	86.3						124.8
TAPE		500	87.8	88.0	88.8	87.8	87.2	87.5	85.0	84.1	82.3	80.3						119.7
EAR	30.1 MG	630	87.8	89.0	90.3	90.3	88.7	87.6	86.5	84.8	83.0	80.8						121.0
	(01518. N/M2)	800	86.0	87.8	91.0	91.8	90.2	89.8	87.8	85.6	83.5	81.3						122.0
TAMP	80. DEG F	1000	84.3	86.5	90.7	91.7	91.0	89.3	87.8	84.8	81.8	79.6						121.8
	(300. DEG K)	1250	83.8	86.5	92.5	93.7	92.2	90.8	88.6	85.9	82.1	79.3						123.2
INLET	65. DEG F	1600	82.3	86.6	92.3	94.3	92.7	90.9	89.4	86.2	82.8	79.4						121.5
	(291. DEG K)	2000	82.5	87.6	92.5	94.7	93.0	90.6	88.1	85.5	82.5	78.6						130.4
MACT	11.19 GM/M3	2500	89.3	95.1	98.5	101.7	98.2	98.4	96.6	93.2	88.8	83.9						126.0
	(.01119 KG/M3)	3150	89.2	94.6	97.8	100.2	99.1	96.3	93.9	90.7	86.7	82.4						129.1
NFA	8811. RPH	4000	89.4	94.5	97.2	99.3	98.8	97.0	94.1	91.2	87.4	82.6						133.8
	(923. RAD/SEC)	5000	94.3	98.5	102.4	103.5	104.2	100.5	99.5	95.7	92.3	86.5						129.0
NFK	8638. RPM	6300	89.9	94.9	97.8	100.0	98.2	95.4	93.4	89.5	86.2	82.3						129.9
	(904. RAD/SEC)	8000	89.9	95.5	98.4	100.0	99.0	97.8	94.8	91.2	87.2	83.1						130.8
NFD	11517. RPM	10000	90.3	96.8	99.3	99.9	100.2	98.8	95.8	92.0	87.4	83.9						130.2
	(1206. RAD/SEC)	12500	90.0	96.1	98.4	99.2	99.2	97.4	95.6	91.2	86.7	83.6						129.4
NO. OF BLADES	18	16000	83.5	95.9	96.9	98.0	97.5	96.0	95.5	90.3	86.3	83.4						129.7
FAN TIP SPEED	769. FT/SEC	20000	87.2	95.7	96.8	97.8	97.2	96.1	95.5	90.6	86.1	83.4						128.9
		25000	86.3	94.5	95.2	96.1	95.8	94.7	94.1	90.1	85.2	84.2						128.8
		31500	83.7	92.7	94.3	95.2	94.8	94.1	92.9	88.6	84.4	83.0						126.9
		40000	78.1	89.3	90.9	91.2	91.5	90.8	90.0	85.9	81.5	80.8						125.7
		50000	76.4	86.9	86.9	87.2	89.2	87.8	87.6	82.8	78.7	79.3						123.8
		63000	78.3	83.7	81.9	82.1	84.2	83.7	81.4	79.5	74.6	75.7						127.6
		80000	82.8	84.1	83.1	83.5	83.9	83.6	76.0	77.3	74.1	74.3						
OVERALL MEASURED																		142.7
OVERALL CALCULATED		105.6	108.3	110.4	111.6	110.9	109.4	108.2	105.2	102.7	100.8							
PHDB		116.4	119.9	123.0	124.3	123.9	121.6	120.2	117.0	114.0	109.8							

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50	65.4	70.0	74.1	74.9	74.3	77.4	79.1	78.0	77.3	76.4						
	63	64.4	67.1	69.1	71.1	72.1	72.2	70.6	68.5	66.9	65.5						
NFA (2482. RPM)	80	67.6	70.7	72.8	72.9	74.1	74.9	75.6	74.1	73.2	69.7						
	100	64.9	70.3	72.7	73.6	73.9	75.2	76.2	74.9	73.2	71.6						
NFK (2433. RPM)	125	59.1	64.5	69.4	71.9	71.7	72.3	70.5	70.0	68.6	66.3						
	160	55.3	60.6	64.4	65.4	66.2	67.3	65.3	64.5	62.6	60.1						
NFE (3244. RPM)	200	54.7	61.2	65.6	67.6	67.5	67.2	66.6	65.1	63.1	60.4						
	250	52.4	59.5	65.0	68.8	68.7	69.2	67.7	65.6	63.4	60.7						
AIRFLOW RATIO NF/WH 12.60	315	50.0	57.8	65.4	68.5	69.2	68.5	67.5	64.7	61.4	58.7						
	400	48.9	57.4	66.8	70.2	70.2	69.7	68.0	65.5	61.7	58.2						
	500	46.7	56.9	66.1	70.4	70.4	69.5	68.5	65.5	62.0	58.0						
	630	46.2	57.4	66.0	70.5	70.3	69.0	67.0	64.6	61.4	57.0						
	800	52.1	64.3	71.5	77.1	75.2	76.4	75.2	72.0	67.4	61.9						
VEHICLE CONFIG G01	1000	51.2	63.1	70.2	75.2	74.8	74.0	72.2	69.2	65.0	60.1						
LOC SCHENECTADY	1250	50.4	62.4	69.1	73.9	75.1	74.4	72.1	69.4	65.4	59.9						
DATE 7/1/75	1600	54.0	65.4	73.6	77.5	80.0	77.4	77.1	73.4	69.8	63.4						
RUN 28/6	2000	48.2	60.9	68.4	73.4	73.5	71.9	70.5	66.8	63.3	58.7						
TAPE	2500	47.0	60.8	68.3	72.8	73.8	73.8	71.5	68.1	63.9	59.2						
FAN TIP SPEED 769. FT/SEC	3150	45.4	60.6	68.1	72.0	74.3	74.2	71.9	68.3	63.5	59.3						
	4000	42.0	57.9	65.8	70.0	72.2	71.8	70.8	66.6	61.9	58.2						
	5000	38.8	56.7	63.6	68.2	70.1	70.1	70.3	65.4	61.1	57.4						
	6300	32.4	53.1	60.9	66.0	68.0	68.6	68.9	64.2	59.5	55.8						
	8000	23.5	46.7	55.3	61.1	63.8	64.6	65.0	61.4	56.2	54.1						
	10000	9.8	37.5	49.0	55.7	59.0	60.0	60.6	58.7	52.2	49.4						
OVERALL CALCULATED PNDB	72.5	77.8	82.8	86.0	86.7	86.6	86.2	83.9	81.8	79.6							
	74.1	85.6	93.0	97.0	98.5	98.1	96.7	93.3	89.7	85.3							

	50	75.2	79.0	82.7	83.3	82.6	85.6	87.3	86.2	85.5	84.7					
SIDELINE 200. FT. (60.96 M)	63	74.5	78.3	77.9	79.7	80.5	80.5	78.9	76.9	75.2	73.8					
	80	78.0	80.2	81.8	81.6	82.7	83.4	84.1	82.5	81.6	78.2					
	100	75.5	80.0	81.9	82.5	82.6	83.9	84.8	83.5	81.8	80.4					
	125	70.1	74.4	78.8	80.9	80.5	81.1	79.2	78.7	77.3	75.1					
	160	66.6	70.7	73.9	74.6	75.2	76.2	74.2	73.4	71.4	69.0					
	200	66.3	71.6	75.3	77.0	76.6	76.2	75.6	74.0	72.1	69.5					
	250	64.4	70.2	75.9	78.4	78.0	78.4	76.8	74.7	72.5	69.9					
	315	62.3	68.8	75.5	78.3	78.7	77.8	76.7	73.9	70.7	68.0					
	400	61.6	68.6	77.2	80.1	79.8	79.2	77.4	74.9	71.1	67.7					
	500	59.8	68.4	76.8	80.5	80.2	79.1	78.1	75.1	71.5	67.7					
	630	59.7	69.2	76.9	80.9	80.4	78.8	76.8	74.3	71.2	68.8					
	800	66.1	76.5	82.7	87.7	85.5	86.4	85.2	81.9	77.3	72.0					
	1000	65.7	75.8	81.8	86.0	85.3	84.3	82.3	79.3	75.2	70.3					
	1250	65.5	75.4	81.0	85.1	85.8	84.9	82.4	79.7	75.7	70.4					
	1500	69.9	79.0	85.9	89.0	91.1	88.2	87.7	84.0	80.5	74.2					
	2000	64.9	75.1	81.2	85.4	84.9	83.0	81.4	77.7	74.3	69.8					
	2500	64.6	75.5	81.6	85.2	85.5	85.2	82.7	79.3	75.2	70.6					
	3150	64.2	76.3	82.1	84.9	86.5	86.1	83.6	79.9	75.2	71.2					
	4000	62.8	75.0	80.7	83.8	85.3	84.4	83.2	78.9	74.3	70.8					
	5000	60.8	74.6	79.2	82.5	83.6	83.1	83.1	78.1	73.9	70.5					
	6300	57.7	73.2	78.3	81.6	82.8	82.8	82.8	78.1	73.4	70.1					
	8000	54.0	70.3	75.5	79.2	80.7	80.8	80.8	77.0	72.0	70.2					
	10000	47.5	66.1	73.0	77.0	78.7	79.4	78.8	74.8	70.4	68.2					
OVERALL CALCULATED PNDB	83.4	89.2	94.0	97.1	97.8	97.0	96.2	93.5	91.0	88.6						
	90.2	100.5	106.2	109.3	110.2	109.8	108.2	104.7	100.8	96.9						

Run 28/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVEL (59. DBE, 70 PERCENT REL. HUM. FAY)										PROC. DATE = MONTH 7 DAY 22 HR. 9.0						
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
VEHICLE	UTMSIM	125	89.3	86.4	85.8	85.8	86.0	86.8	88.3	87.8	88.5	87.6	93.0	93.6				120.1
CONFIG	CO	160	88.3	87.1	89.3	88.8	86.8	86.3	87.8	86.6	87.0	87.6						124.7
LCC	SCHEMECTADY	200	88.8	87.1	87.6	88.5	89.3	89.0	87.3	84.5	83.5	82.8						121.1
DATE	7/1/75	250	92.3	90.6	88.3	88.0	88.7	90.5	90.5	89.5	88.3	86.0						120.7
RLN	28/7	315	91.0	91.6	89.3	87.5	87.2	88.8	89.8	89.3	87.8	86.8						122.0
TAPE		400	85.3	85.4	86.8	86.3	86.3	84.1	83.0	83.3	81.8	80.8						122.4
BAR	30.1 HG	500	82.8	82.4	82.6	82.0	80.3	81.1	79.8	83.6	77.3	76.8						118.0
	(G1518. N/M2)	630	82.3	85.2	85.3	85.6	84.3	87.3	80.8	80.6	77.0	83.1						116.7
TAMB	78. DEG F	800	30.1	85.9	87.8	87.3	85.7	85.6	82.5	80.1	78.8	82.8						117.4
	(299. DEG K)	1000	79.3	84.9	88.1	88.0	86.7	84.0	82.8	79.3	79.3	85.6						118.1
TINT	65. DEG F	1250	83.3	85.4	89.3	89.0	88.0	85.9	84.3	81.6	79.5	87.3						118.2
	(291. DEG K)	1600	79.1	85.7	89.4	89.0	88.0	85.9	83.6	80.7	83.0	86.4						119.8
HACT	11.77 GM/M3	2000	85.1	90.5	96.6	96.3	92.7	91.4	89.1	86.2	83.5	81.6						119.7
	(0.01177 KG/M3)	2500	86.3	92.2	95.9	95.5	93.4	91.6	88.6	85.5	81.5	78.1						125.2
NFA	7055. RPM	3150	85.5	90.4	92.8	93.0	91.7	88.9	86.1	82.5	82.5	75.6						124.0
	(739. RAD/SEC)	4000	90.7	95.9	98.2	100.4	100.1	95.0	92.8	89.7	85.6	82.5						122.0
NFK	6929. RPM	5000	87.1	92.8	95.4	97.0	95.5	91.5	88.8	85.2	83.1	78.5						129.5
	(725. RAD/SEC)	6300	86.4	91.7	93.7	94.8	93.2	90.7	87.1	83.2	82.7	77.3						125.0
NFD	11517. RPM	8000	36.2	91.9	94.2	94.7	93.9	91.8	87.7	83.4	81.4	77.1						124.1
	(1206. RAD/SEC)	10000	85.9	92.6	95.1	94.9	94.2	92.3	89.3	84.2	81.9	77.4						124.8
NO. OF BLADES	18	12500	85.0	91.2	93.7	93.5	93.2	90.9	88.6	83.1	80.2	77.0						125.3
FAN TIP SPEED	16000	16000	84.2	90.0	91.7	92.7	91.5	89.5	88.4	82.2	78.4	75.8						124.3
	616. FT/SEC	20000	81.4	88.7	90.6	91.2	90.6	89.1	87.2	81.8	76.5	76.1						123.3
		25000	80.4	87.5	88.9	89.5	89.4	87.1	85.7	80.5	75.6	77.0						122.7
		31500	77.3	86.1	87.2	87.5	86.6	86.5	84.7	79.2	74.8	76.3						121.8
		40000	71.6	83.0	84.2	84.2	84.0	82.6	82.5	76.4	72.5	73.5						121.1
		50000	68.1	80.7	80.4	80.9	81.6	80.3	79.7	73.5	71.1	71.0						119.4
		63000	68.6	76.6	75.0	74.2	76.3	75.3	74.7	69.5	69.9	68.2						118.5
		80000	72.2	74.1	72.6	73.2	73.3	73.6	74.0	70.9	73.5	70.9						118.1
																		119.3
OVERALL MEASURED																		
OVERALL CALCULATED		100.8	104.1	106.3	106.9	105.9	103.9	102.1	99.8	98.7	98.6							137.6
PNDB		113.0	117.3	119.6	120.8	120.0	117.1	114.6	111.9	109.3	107.6							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. 8A7)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.
SIDELINE 500. FT.	50	58.4	61.6	66.5	67.7	66.8	67.1	69.1	68.0	68.3	68.4			
(152.40 M)	63	58.4	61.3	64.4	67.2	69.1	69.7	68.4	65.8	64.6	63.5			
NFA 1987. RPM	80	61.9	64.3	64.8	66.4	68.4	71.0	71.4	70.6	69.2	68.5			
(208. RAD/SEC)	100	59.6	65.0	65.6	65.7	66.7	69.0	70.5	70.2	68.5	67.0			
NFK 1952. RPM	125	53.4	58.4	62.8	64.2	65.4	64.1	63.5	64.0	62.3	60.8			
(204. RAD/SEC)	150	50.3	54.9	58.2	59.6	59.2	60.9	60.1	64.0	57.6	56.6			
NFD 3244. RPM	200	49.3	57.3	60.6	62.9	63.0	66.9	60.9	60.8	57.1	62.7			
(340. RAD/SEC)	250	46.5	57.6	62.8	64.4	64.2	65.0	62.4	60.1	58.7	62.2			
AIFLOW RATIO	315	45.1	56.2	62.7	64.8	65.0	64.0	62.5	59.2	58.9	64.7			
NFA/NM 12.60	400	45.4	56.2	63.6	65.5	65.9	64.8	63.7	61.2	59.0	66.2			
VEHICLE CONFIG	500	43.5	56.0	63.2	65.2	65.6	64.5	62.8	60.0	62.2	65.0			
LOC SCHENECTADY	630	43.7	60.2	70.0	72.1	70.1	69.7	68.0	65.3	62.4	61.7			
DATE 7/1/75	800	49.1	61.4	68.8	70.9	70.4	69.7	67.2	64.3	60.1	59.3			
TAPE 28/7	1000	47.5	59.0	65.3	67.9	68.3	66.8	64.4	61.0	60.8	57.0			
FAH TIP SPEED	1250	51.6	63.7	70.2	74.9	76.3	72.9	70.6	67.9	63.6	59.9			
616. FT/SEC	1600	46.8	59.8	66.7	71.0	71.2	68.4	66.3	62.9	60.6	55.4			
OVERALL CALCULATED	2000	44.8	57.8	64.2	68.2	68.5	67.1	64.2	60.6	59.8	53.7			
PAGE	2500	43.3	57.1	64.2	67.6	68.8	67.8	64.5	60.4	58.2	53.2			
	3150	40.9	56.5	63.9	67.0	68.2	67.7	65.3	60.5	58.0	52.8			
	4000	37.7	53.0	61.0	64.2	66.2	65.3	63.7	58.5	55.3	51.4			
	5000	34.5	50.3	58.3	62.9	64.0	63.5	63.3	57.3	53.3	49.9			
	6300	26.6	46.2	54.7	59.4	61.4	61.5	60.5	55.4	49.9	48.5			
	8000	17.6	39.7	49.0	54.5	57.4	57.0	56.7	51.8	46.6	46.9			
	10000	3.4	31.6	41.9	48.0	50.8	53.0	52.4	47.3	42.5	42.7			
	OVERALL CALCULATED	66.9	73.1	78.6	81.4	82.0	81.1	79.9	78.0	76.3	75.9			
	PAGE	68.0	81.6	88.6	91.7	92.7	92.1	90.1	86.3	83.7	82.0			

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT.	50	68.2	70.6	75.1	76.1	75.1	75.4	77.3	76.2	76.5	76.7			
(60.96 M)	63	68.5	70.5	73.2	75.7	77.6	78.1	76.7	74.1	73.0	71.8			
	80	72.3	73.8	73.8	75.1	77.0	79.5	79.9	79.0	77.6	75.0			
	100	70.3	74.7	74.7	74.6	75.4	77.7	79.0	78.7	77.1	75.7			
	125	64.4	68.3	72.1	73.2	74.3	72.9	72.2	72.7	71.0	69.6			
	160	61.6	65.1	67.8	68.9	68.2	69.8	68.9	72.9	66.4	65.5			
	200	60.9	67.7	70.4	72.3	72.1	78.0	69.9	69.8	66.1	71.7			
	250	58.4	68.3	72.8	73.9	73.5	74.2	71.5	69.2	67.8	71.4			
	315	57.4	67.1	72.9	74.6	74.4	73.3	71.7	68.4	68.2	74.0			
	400	58.1	67.5	74.0	75.4	75.6	74.2	73.2	70.6	68.4	75.7			
	500	56.6	67.6	73.9	75.3	75.5	74.2	72.4	69.6	71.8	74.7			
	630	62.3	72.1	81.0	82.4	80.1	79.6	77.8	75.0	72.2	71.5			
	800	63.1	73.6	80.0	81.5	80.7	79.7	77.2	74.2	70.0	69.4			
	1000	62.0	71.6	76.8	76.8	78.8	76.8	74.6	71.1	70.9	67.3			
	1250	66.8	76.8	82.1	86.1	87.1	83.4	81.2	78.2	74.0	70.4			
	1600	62.7	73.4	79.0	82.5	82.3	79.2	77.0	73.5	71.2	68.2			
	2000	61.5	72.0	77.0	80.1	79.9	78.3	75.2	71.5	70.8	64.8			
	2500	60.8	71.9	77.4	79.9	80.5	79.3	75.7	71.6	69.4	64.6			
	3150	59.7	72.2	77.9	79.9	80.5	79.6	77.1	72.1	69.7	64.7			
	4000	58.5	70.0	76.0	78.0	75.2	77.9	76.1	70.9	67.7	64.0			
	5000	56.5	68.6	73.9	77.2	77.5	76.0	76.1	70.0	66.1	62.9			
	6300	51.9	66.3	72.0	75.2	76.2	75.0	74.5	69.2	63.8	62.7			
	8000	46.2	63.3	69.2	72.6	74.3	73.3	72.4	67.4	62.3	63.1			
	10000	41.2	59.6	65.9	69.4	70.6	71.7	70.4	65.4	60.7	61.9			
	OVERALL CALCULATED	73.2	84.9	90.0	92.5	92.7	91.4	89.8	87.4	85.5	85.1			
	PAGE	65.5	86.4	91.9	94.2	94.6	93.7	91.8	89.6	85.0	82.8			

Run 29/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM												MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. FAV)		PROC. DATE - MONTH 7 DAY 22 HR. 10.2															
												ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.												20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL	
												(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.												50	63	80															
VEHICLE (S. H)	100	96.5	92.3	87.8	86.8	89.8	91.3	91.3	89.8	88.8	87.3																124.0		
CONFIG UTHSIM	125	96.3	93.0	92.0	91.3	92.3	92.8	93.5	91.0	91.0	90.0																125.0		
LCC SCHEMECTADY	200	97.3	98.0	99.0	99.5	97.5	96.3	96.5	95.5	94.3	93.6																130.4		
DATE 7/1/75	250	99.0	98.5	98.2	98.5	98.0	95.2	94.0	91.2	89.3	87.8																120.1		
RUN 29/4	315	100.0	101.0	100.7	99.2	98.5	99.3	99.0	97.5	96.0	92.3																131.1		
TYPE	400	97.5	98.0	97.7	98.0	97.5	98.0	97.8	94.5	91.8	90.8																132.2		
BAR 3C.0 HG	500	94.5	93.3	92.8	92.5	93.5	92.5	93.0	90.0	87.8	89.6																130.1		
(01355. N/M2)	630	95.8	94.3	94.0	96.0	96.7	95.0	90.8	90.3	89.0	87.3																129.0		
TAMB 84. DEG F	800	97.3	92.5	95.8	99.8	96.7	94.6	91.0	89.0	87.3	86.1																127.3		
(302. DEG K)	1000	89.3	92.8	95.0	97.2	96.2	93.1	90.5	88.0	86.5	84.8																128.1		
T.ET 65. DEG F	1250	89.3	93.3	94.5	97.5	96.2	93.8	90.8	88.6	85.3	86.0																126.5		
(291. DEG K)	1600	84.0	91.8	93.5	97.0	95.2	95.8	91.4	89.1	85.8	88.0																128.7		
MACT10.34 GH/M3	2000	91.5	94.6	93.5	96.7	95.7	95.4	91.4	89.4	86.0	85.6																120.0		
(.01004 KG/M3)	2500	91.8	93.8	97.5	100.5	100.4	98.4	95.1	92.7	88.5	88.1																120.0		
NFA 9801. RPM	3150	94.0	98.1	102.0	105.2	104.4	103.1	100.4	97.2	92.5	88.9																130.3		
(1026. RAD/SEC)	4000	93.9	96.8	101.2	103.3	103.6	101.0	97.8	94.7	90.9	86.1																134.7		
NFK 5573. RPM	5000	93.1	97.2	100.4	102.0	103.0	101.2	98.3	94.9	91.1	86.8																133.2		
(1002. RAD/SEC)	6300	95.9	100.2	103.4	105.6	104.0	103.2	99.4	95.7	92.0	88.0																132.0		
NFD 11517. RPM	8000	93.5	97.8	100.7	102.5	102.3	102.1	98.8	95.2	91.5	87.4																135.0		
(1206. RAD/SEC)	10000	93.9	99.1	102.8	103.7	103.3	102.7	100.3	96.7	92.3	88.2																133.2		
NO. OF BLADES 18	12500	94.1	99.0	102.0	102.8	102.8	101.5	100.0	95.7	91.3	87.0																134.5		
FAN TIP SPEEDS	16000	92.1	96.8	99.6	100.6	100.2	99.2	98.9	93.4	89.9	86.6																134.0		
856. FT/SEC	20000	92.4	96.2	99.5	100.3	100.6	99.1	99.0	94.8	90.6	87.0																132.2		
	25000	90.3	95.8	99.0	100.4	100.1	99.0	98.1	95.1	90.8	88.0																132.7		
	31500	89.1	95.6	99.5	100.1	99.7	99.1	98.3	95.0	90.9	88.1																133.1		
	40000	83.9	93.9	97.5	97.0	97.8	97.1	97.1	92.4	88.8	86.3																133.0		
	50000	80.4	91.4	94.1	93.9	95.7	94.3	94.8	88.8	86.2	83.3																133.2		
	63000	80.3	86.6	88.4	88.5	90.4	89.2	89.6	83.6	80.8	78.9																132.4		
	80000	84.0	85.3	84.9	85.5	88.4	85.9	85.6	82.7	76.3	74.0																129.0		
OVERALL MEASURED																											131.0		
OVERALL CALCULATED		109.5	111.1	113.4	114.8	114.4	113.4	111.5	108.4	105.4	103.4																140.3		
PNSB		119.5	122.2	124.9	127.2	126.6	125.5	122.9	120.0	116.3	113.0																		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. @ 70 PERCENT REL. HUM. WAVE)															
ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.	20° (0.35)	30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	0° (0.00)	0° (0.00)	0° (0.00)	0° (0.00)	0° (0.00)
50	68.4	75.0	77.9	79.9	80.1	76.1	75.5	74.7	74.0	72.9					
63	68.9	72.4	74.3	76.4	77.4	76.2	74.9	72.7	71.4	69.2					
SIDELINE 500. FT. (152.40 M)	80	71.1	75.0	76.8	77.1	76.6	78.9	79.4	78.0	76.4					
NFA 2060. RPM	100	69.6	74.8	77.5	78.6	78.9	79.5	80.0	79.1	77.7					
(299. RAD/SEC)	125	64.8	69.0	73.9	76.1	76.9	76.6	75.5	74.7	73.3					
NFK 2793. RPM	160	61.0	65.3	69.4	70.4	71.2	70.8	70.6	69.5	67.3					
(292. RAD/SEC)	200	59.7	65.4	69.6	72.1	72.7	72.2	71.4	70.3	68.1					
NFD 3244. RPM	250	57.9	63.5	69.2	72.1	72.5	72.7	71.7	69.8	67.6					
(340. RAD/SEC)	315	54.5	61.1	68.4	71.8	72.2	72.0	70.9	69.1	65.4					
AIRFLOW RATIO	400	53.4	59.9	68.0	72.2	72.9	72.2	71.2	69.2	65.4					
WF/HM 12:00	500	51.0	58.9	67.4	72.4	73.4	72.5	71.3	69.0	65.2					
VEHICLE UTRSIM	600	54.0	63.4	69.7	75.5	76.8	76.2	74.1	72.0	67.4					
CONFIG G03	800	58.3	67.5	74.5	80.8	82.4	82.6	80.8	78.8	73.3					
LOC SCHENECTADY	1000	57.9	67.4	74.2	79.1	81.3	80.3	77.4	74.5	70.2					
DATE 7/1/75	1250	57.1	65.9	72.6	77.6	79.5	78.6	76.5	73.3	69.0					
RUN 29/5	1600	59.2	68.2	74.9	80.1	81.6	80.9	78.0	74.3	70.3					
TAPE	2000	53.9	64.5	71.9	76.3	78.1	78.1	76.5	73.6	68.9					
FAN TIP SPEED	2500	52.9	66.2	73.6	77.8	79.2	79.3	78.4	75.0	69.8					
886. FT/SEC	3150	51.1	63.8	71.1	75.6	77.9	78.4	78.0	73.8	69.1					
OVERALL CALCULATED	4000	45.4	60.2	68.0	73.0	75.0	74.9	74.9	71.6	66.9					
PNDR	5000	42.7	59.4	67.1	72.0	74.9	74.6	75.5	71.6	67.1					
	6300	37.9	55.6	65.2	70.0	73.0	73.1	73.6	70.8	65.7					
	8000	28.5	50.4	61.1	67.0	69.9	71.4	71.4	68.5	64.2					
	10000	12.9	41.9	54.3	60.6	64.6	66.4	67.6	63.9	59.4					
		76.7	82.2	86.5	89.9	91.3	90.9	89.8	87.6	84.6					
		79.5	89.7	96.7	101.0	102.6	102.6	101.9	98.7	94.3					

50	78.2	84.0	86.5	88.3	88.4	84.3	83.8	82.9	82.3	81.1					
63	79.0	81.6	83.1	85.0	85.8	84.5	83.2	81.1	79.7	77.5					
SIDELINE 200. FT. (60.96 M)	80	61.5	64.4	65.8	65.8	67.2	67.4	67.8	66.5	64.8					
100	60.3	64.5	66.7	67.5	67.6	68.1	68.5	67.7	66.3	64.1					
125	75.8	78.9	83.3	85.2	85.8	85.3	84.2	83.4	82.0	79.8					
160	72.3	75.5	78.9	79.6	80.2	79.7	79.4	78.3	76.1	73.7					
200	71.3	75.8	79.3	81.5	81.9	81.2	80.4	79.2	77.1	74.9					
250	69.9	74.2	79.2	81.6	81.8	81.9	80.8	78.9	76.7	73.8					
315	66.8	72.0	78.5	81.5	81.7	81.3	80.2	78.3	74.7	71.7					
400	66.1	71.1	78.4	82.2	82.6	81.7	80.6	78.6	74.8	71.2					
500	64.0	70.4	78.0	82.5	83.2	82.1	80.8	78.5	74.7	71.1					
630	67.5	75.2	80.7	85.9	85.8	86.1	83.8	81.6	77.1	72.3					
800	72.3	79.8	85.7	91.5	92.7	92.7	90.7	88.7	83.3	77.4					
1000	72.4	80.0	85.7	90.0	91.8	90.6	87.8	84.6	80.3	74.8					
1250	72.2	78.9	84.5	88.8	90.3	89.1	86.9	83.7	79.4	74.3					
1600	75.1	81.8	87.3	91.6	92.6	91.7	88.6	84.9	81.0	76.3					
2000	70.7	78.7	84.7	88.2	89.5	89.2	87.5	84.5	79.9	75.5					
2500	70.4	81.0	86.8	90.1	91.0	90.7	89.7	86.2	81.1	77.0					
3150	70.0	79.5	85.0	88.5	90.2	90.3	89.7	85.4	80.8	76.3					
4000	67.2	77.2	83.0	86.8	88.0	87.5	87.3	83.9	79.3	75.1					
5000	64.7	77.2	82.7	86.3	88.4	87.9	86.3	84.3	79.9	76.8					
6300	63.2	75.7	82.6	85.4	87.9	87.3	87.5	84.7	79.7	77.2					
8000	59.0	74.1	81.2	85.1	86.8	87.5	87.1	84.1	80.0	76.5					
10000	50.6	70.5	78.2	82.0	84.4	85.2	85.9	82.0	77.6	74.9					
OVERALL CALCULATED		87.9	93.2	97.6	100.9	102.1	101.6	100.4	97.8	94.4					
PNDR		95.5	104.3	109.9	113.3	114.5	114.2	113.4	110.0	105.8					

ORIGINAL PAGE IS OF POOR QUALITY

Run 29/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 10.3																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(10.)
		50																
		63																
		80																
RADIAL 17. FT.																		
(5. M)		100	92.8	94.8	84.8	84.0	86.0	87.0	88.8	89.3	88.5	87.0						122.5
VEHICLE UTRSIM		125	92.0	94.8	92.0	91.8	92.3	92.5	92.5	91.8	91.0	91.3						125.8
CONFIG G03		160	93.5	99.0	100.3	100.3	100.0	94.5	94.5	94.8	93.8	93.0						130.7
LOC SCHENECTADY		200	95.2	100.7	100.7	100.7	101.0	97.2	95.2	94.2	92.5	91.2						131.5
DATE 7/1/75		250	96.7	101.5	101.5	99.7	100.5	100.0	99.2	98.5	96.2	93.7						132.8
RUM 29/6		315	95.7	102.0	102.5	101.2	100.7	100.3	100.2	99.5	97.5	96.2						133.6
TAPE		400	91.8	96.8	99.7	99.7	98.5	97.8	96.3	95.8	93.5	92.2						130.6
BAR 30.0 HG		500	89.3	93.0	95.0	94.0	93.5	92.8	91.3	90.5	88.5	86.3						125.0
(01335. N/M2)		630	88.8	93.3	95.5	95.8	95.2	93.8	93.0	91.5	89.8	87.8						126.7
TAMB 87. DEG F		800	87.3	91.5	95.3	96.0	95.5	94.8	93.0	91.5	89.7	87.0						126.9
(304. DEG K)		1000	85.3	90.0	94.5	95.5	95.0	94.3	92.5	90.3	87.5	85.0						126.1
TREF 66. DEG F		1250	84.0	89.3	94.3	96.5	95.7	94.1	92.6	91.3	87.5	84.5						126.5
(292. DEG K)		1600	82.5	88.8	94.0	96.5	96.7	94.4	92.1	90.6	87.0	83.8						126.8
MACT 9.99 GH/M3		2000	83.3	89.6	94.0	98.0	97.2	95.4	92.9	90.9	87.7	84.1						127.4
(00999 KG/M3)		2500	86.0	92.3	96.5	99.7	99.4	97.4	94.9	93.2	88.7	85.3						129.4
NFA 10006. RPM		3150	91.0	98.1	101.8	104.9	105.9	103.3	101.8	98.7	94.9	89.8						135.4
(1110. RAD/SEC)		4000	92.2	98.3	101.7	104.8	105.3	103.5	100.3	97.4	93.6	88.0						135.0
NFK 10331. RPM		5000	91.6	98.0	101.4	104.0	104.3	102.0	99.3	95.9	92.8	88.7						134.0
(1082. RAD/SEC)		6300	96.4	103.7	107.1	108.6	108.7	106.0	103.4	100.0	96.5	91.8						138.6
MFD 11517. RPM		8000	91.3	98.9	102.0	103.3	103.3	102.3	99.8	97.0	93.0	89.6						134.1
(1206. RAD/SEC)		10000	91.2	100.6	104.3	105.3	105.8	104.4	103.1	100.0	95.5	91.2						136.6
NO. OF BLADES 18		12500	91.4	100.5	103.5	104.1	104.4	103.1	102.5	98.3	94.1	90.6						135.7
FAN TIP SPEED		16000	90.2	98.4	101.6	102.7	103.0	101.2	101.0	96.7	93.4	90.0						134.5
926. FT/SEC		20000	87.7	98.2	101.3	102.1	102.4	101.9	100.8	97.6	93.9	91.1						134.8
		25000	88.2	97.7	101.3	102.5	102.7	101.4	101.0	97.7	94.1	91.5						135.5
		31500	86.5	97.7	101.6	101.9	102.1	101.9	100.9	97.6	94.2	91.7						136.3
		40000	81.3	95.5	99.6	100.4	100.5	99.5	100.0	96.1	92.7	90.2						136.0
		50000	77.8	93.2	96.6	96.9	98.9	97.3	98.3	92.5	90.8	87.5						135.5
		63000	77.8	88.9	90.9	91.4	94.0	92.0	92.2	86.7	85.6	82.1						132.8
		80000	84.5	85.8	86.6	86.9	87.9	87.9	87.6	83.2	85.5	82.9						132.5
OVERALL MEASURED																		
OVERALL CALCULATED			105.9	112.5	115.1	116.2	116.5	114.8	113.4	110.6	107.6	104.9						146.1
PND8			117.2	123.7	126.8	126.3	128.4	126.2	124.1	121.7	118.4	114.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	
SIDELINE 500 FT. (152.40 M)	50	63.7	73.5	77.4	79.1	80.1	75.4	75.8	76.2	75.0	73.9						
NFA 2987. RPM (313. RAD/SEC)	63	64.2	74.9	77.5	79.4	80.9	77.9	76.4	75.5	73.6	71.9						
NFK 2910. RPM (305. RAD/SEC)	80	65.8	75.2	78.0	78.1	80.1	80.4	80.1	79.5	77.1	74.2						
NFD 3244. RPM (340. RAD/SEC)	100	64.4	75.3	78.7	79.4	80.1	80.5	81.0	80.4	78.2	76.5						
AIRFLOW RATIO NF/WH 12.60	125	59.8	69.7	75.7	77.6	77.7	77.6	76.8	76.4	74.0	72.3						
VEHICLE CONFIG UTHSIN 603	160	56.8	65.6	70.6	71.6	72.4	72.6	71.6	71.8	69.9	67.4						
LGC SCHENECTADY	200	55.7	65.4	70.8	72.4	74.0	73.4	73.1	71.8	69.9	66.4						
DATE 7/1/75	250	53.7	63.3	70.2	73.1	74.0	74.2	72.9	71.6	69.6	66.4						
RUN 29/6	315	51.0	61.3	69.1	72.3	73.2	73.5	72.2	70.1	67.2	64.1						
TAPE	400	49.1	60.1	68.5	73.0	73.7	73.0	72.0	70.9	66.9	63.4						
FAP. TIP SPEED 926. FT/SEC	500	47.0	59.1	67.9	72.5	74.4	73.0	71.3	70.0	66.2	62.4						
OVERALL CALCULATED	600	48.8	61.5	69.5	75.1	76.4	75.4	73.5	72.0	67.3	63.4						
PNEB	800	48.8	61.5	69.5	75.1	76.4	75.4	73.5	72.0	67.3	63.4						
	1000	52.9	66.6	74.2	79.9	82.6	81.1	79.9	77.2	73.2	67.5						
	1250	53.1	66.1	73.6	79.4	81.6	80.9	78.3	75.6	71.6	65.4						
	1600	51.3	65.0	72.6	78.0	80.0	78.9	76.8	73.6	70.3	65.6						
	2000	54.8	63.7	77.7	82.0	84.0	82.4	80.5	77.3	73.6	68.2						
	2500	48.3	64.1	71.9	76.2	78.1	78.4	76.5	73.9	69.7	65.7						
	3150	46.2	64.5	73.2	77.3	79.9	79.8	79.2	76.3	71.6	66.6						
	4000	43.3	62.3	70.9	74.9	77.3	77.4	77.7	73.7	69.2	65.0						
	5000	40.5	59.2	66.3	72.9	75.5	75.3	75.8	71.8	68.2	64.1						
	6300	32.9	55.6	65.5	70.3	73.2	74.3	74.1	71.2	67.2	63.5						
	8000	25.4	49.8	61.5	67.5	70.7	71.3	71.9	69.3	65.0	61.4						
	10000	12.6	42.6	56.3	62.5	66.3	68.4	68.6	65.7	61.9	58.2						
OVERALL CALCULATED	71.9	82.4	87.4	90.5	92.2	91.4	90.4	88.6	85.6	82.8							
PNEB	75.5	90.2	98.0	102.2	104.2	103.5	102.7	100.1	96.1	91.7							

SIDELINE 200 FT. (60.96 M)	50	73.5	82.5	86.0	87.6	88.4	83.6	84.0	84.4	83.3	82.1						
	63	75.0	84.1	86.4	89.0	89.3	86.3	84.7	83.8	81.9	80.3						
	80	76.2	84.7	87.0	86.8	88.7	88.9	88.6	88.0	85.8	82.7						
	100	75.0	85.0	87.9	88.3	88.9	89.1	89.5	88.9	86.8	85.1						
	125	70.8	79.6	85.0	86.7	86.5	86.6	85.5	85.1	82.7	81.0						
	160	68.1	75.7	80.2	80.8	81.5	81.5	80.4	79.8	77.6	75.0						
	200	67.3	75.8	80.6	81.7	83.1	82.4	82.1	80.7	78.8	76.4						
	250	65.6	73.9	80.2	82.6	83.3	83.4	82.0	80.7	78.7	75.6						
	315	63.3	72.3	79.3	82.0	82.7	82.8	81.4	79.3	76.4	73.5						
	400	61.8	71.3	78.9	82.9	83.3	82.5	81.4	80.3	76.3	72.9						
	500	60.0	70.7	78.5	82.8	84.2	82.6	80.8	79.5	75.7	72.1						
	630	60.5	71.2	78.4	84.1	84.6	83.0	81.5	79.7	76.4	72.3						
	800	62.8	73.8	80.7	85.7	86.7	85.4	83.4	81.9	77.3	73.4						
	1000	67.5	79.3	85.8	90.8	93.1	91.3	90.1	87.3	83.4	77.8						
	1250	68.3	79.2	85.5	90.6	92.3	91.4	88.7	85.9	82.0	75.9						
	1600	67.2	78.6	85.0	89.5	91.1	89.7	87.5	84.2	81.0	76.4						
	2000	71.5	83.9	90.5	93.9	95.4	93.5	91.5	88.2	84.5	79.3						
	2500	65.9	78.8	85.1	88.5	89.8	89.8	87.8	85.1	81.0	77.1						
	3150	65.1	80.2	87.1	90.2	92.1	91.7	90.9	88.0	83.3	78.5						
	4000	64.2	79.3	85.9	88.6	90.4	90.1	90.1	86.0	81.6	77.6						
	5000	62.5	77.0	83.8	87.2	89.0	88.3	88.6	84.5	81.0	77.1						
	6300	58.3	75.8	82.8	86.1	88.1	88.6	88.1	85.1	81.2	77.8						
	8000	55.9	73.5	81.6	85.6	87.6	87.4	87.7	84.6	80.8	77.5						
	10000	50.3	71.2	80.3	83.8	86.0	87.2	86.8	83.8	80.2	76.9						
OVERALL CALCULATED	83.2	93.4	98.5	101.5	103.0	102.1	101.0	98.7	95.5	92.4							
PNEB	92.0	104.6	111.0	114.4	115.9	115.2	114.2	111.5	107.5	103.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)

	Freq.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	69.7	72.7	73.9	75.1	75.3	74.9	75.5	74.4	73.5	71.9						
	63	73.7	78.1	81.8	83.4	84.4	82.9	81.1	79.5	76.6	75.7						
SIDELINE 500. FT.	80	73.9	78.0	80.3	80.6	82.4	82.4	82.4	81.0	78.9	75.7						
(192.40 M)	100	71.4	77.8	81.0	81.9	82.1	82.2	82.7	81.6	79.7	77.7						
NFA 3324. RPM	125	68.3	73.2	78.4	79.9	80.7	80.3	79.8	79.2	77.0	74.8						
(348. RAD/SEC)	160	63.5	66.3	73.1	75.1	75.2	75.1	74.1	73.0	70.2	68.3						
NFK 3232. RPM	200	63.2	68.9	72.8	75.6	76.5	75.9	75.4	74.1	71.9	69.4						
(338. RAD/SEC)	250	60.9	67.3	72.7	75.6	76.5	75.2	75.2	73.8	71.9	68.6						
NFD 3244. RPM	315	58.0	64.6	70.9	73.5	75.2	74.7	74.2	72.4	68.9	66.4						
(340. RAD/SEC)	400	56.4	62.9	70.5	75.0	75.4	75.2	74.0	72.7	68.9	65.9						
AIRFLOW RATIO	500	54.2	61.6	68.9	73.6	75.6	74.7	73.3	72.0	68.2	65.2						
WE/HH 12.60	630	54.0	62.1	69.0	75.0	76.6	75.5	74.0	72.5	68.7	64.7						
	800	54.8	63.3	69.7	75.6	77.4	76.4	75.0	72.7	68.8	64.4						
VEHICLE	1000	59.4	62.4	74.2	79.2	82.1	81.6	79.9	77.0	73.0	67.0						
CONFIC	1250	62.1	70.2	76.2	81.4	84.4	83.9	82.1	78.9	74.1	68.6						
LOC SCHEMECTADY	1600	59.8	68.7	75.2	79.8	82.0	81.4	79.6	76.1	72.3	67.6						
DATE 7/1/75	2000	60.5	70.2	76.4	81.2	83.5	82.9	80.8	77.8	73.3	69.0						
RUN 29/7	2500	59.1	69.6	76.2	80.4	82.4	81.2	80.3	77.2	73.0	68.7						
TAPE	3150	54.7	68.3	75.0	79.1	81.4	82.6	81.7	79.4	73.9	70.4						
FAN TIP SPEED	4000	51.7	65.6	73.2	77.2	79.4	80.8	80.7	77.5	73.3	68.6						
1030. FT/SEC	5000	48.4	63.3	70.4	74.8	77.6	78.4	79.1	75.3	71.1	67.4						
	6300	41.3	59.0	67.8	72.9	75.1	76.7	78.0	74.3	70.3	67.7						
	8000	33.3	53.5	63.9	69.4	72.9	74.2	75.4	72.7	68.5	65.6						
	10000	21.4	46.6	58.8	65.0	68.5	71.1	72.1	69.7	65.7	62.4						
OVERALL CALCULATED		79.6	85.0	89.3	92.1	93.8	93.6	92.8	90.6	87.4	84.6						
PNDR		83.1	93.0	99.4	103.6	105.6	106.0	105.3	102.8	98.3	94.7						

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	50	79.5	81.7	82.5	83.6	83.6	83.1	83.8	82.6	81.8	80.1						
	63	83.7	87.3	90.6	92.0	92.8	91.3	89.4	87.8	84.9	84.0						
SIDELINE 200. FT.	80	84.2	87.4	89.3	89.3	90.9	90.9	90.8	89.5	87.3	84.2						
(60.96 M)	100	82.0	87.5	90.2	90.8	90.9	90.9	91.3	90.2	88.3	86.4						
	125	79.3	83.1	87.8	88.9	89.5	89.1	86.5	87.9	85.7	83.5						
	160	74.8	79.0	82.7	84.3	84.2	84.0	82.9	81.8	79.6	77.2						
	200	74.8	79.3	82.6	85.0	85.6	84.9	84.4	83.0	80.8	78.4						
	250	72.9	77.9	82.7	85.1	85.8	85.4	84.3	82.9	81.0	77.8						
	315	70.3	75.5	81.0	83.3	84.7	84.0	83.4	81.6	78.2	75.7						
	400	69.1	74.1	80.9	84.9	85.1	84.7	83.4	82.1	78.3	75.4						
	500	67.3	73.2	79.5	83.8	85.5	84.4	82.9	81.5	77.7	74.8						
	630	67.5	74.0	79.9	85.4	86.6	85.3	83.8	82.2	78.4	74.5						
	800	60.9	75.5	81.0	86.2	87.7	86.4	84.9	82.6	78.8	74.4						
	1000	74.0	80.0	85.5	90.1	92.6	91.8	88.1	87.1	83.1	77.3						
	1250	77.3	83.2	88.0	92.6	95.1	94.4	92.4	89.2	84.5	79.1						
	1600	75.7	82.3	87.5	91.3	93.1	92.2	90.3	86.7	83.0	78.4						
	2000	77.3	84.5	89.2	93.2	94.9	94.0	91.7	88.7	84.3	80.1						
	2500	76.6	84.4	89.4	92.7	94.1	92.6	91.6	88.4	84.2	80.1						
	3150	73.6	83.9	88.9	92.0	93.7	94.5	93.5	91.0	85.6	82.3						
	4000	72.5	82.7	88.2	91.0	92.5	93.4	93.1	89.8	85.7	81.2						
	5000	70.3	81.1	85.9	89.1	91.1	91.4	91.9	86.1	83.9	80.4						
	6300	66.7	79.2	85.2	88.7	90.0	91.0	92.0	88.2	84.3	81.9						
	8000	63.0	77.2	84.0	87.5	89.8	90.3	91.1	88.3	84.2	81.7						
	10000	59.1	75.2	82.8	86.3	88.3	89.9	90.3	87.8	83.9	81.2						
OVERALL CALCULATED		90.9	96.2	100.3	103.1	104.7	104.4	103.6	101.0	97.6	94.6						
PNDR		99.8	107.7	112.7	115.9	117.5	117.7	116.6	114.2	109.9	106.5						

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANs)																
	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	1.0.	1.0.	1.0.	1.0.	1.0.	1.0.)
	50	66.2	70.5	74.6	75.6	74.6	77.4	77.8	77.5	76.3	74.2						
	63	66.2	69.6	71.6	73.1	74.6	74.4	72.9	71.0	68.4	67.2						
SIDELINE 500. Ft.	80	68.8	72.7	74.0	74.6	76.1	76.9	76.9	75.8	74.7	71.0						
(152.40 M)	100	66.9	72.6	75.5	75.9	76.4	77.5	78.0	76.9	75.5	73.6						
NFA 2656. RPM	125	61.8	67.0	71.9	74.1	74.9	74.6	73.3	72.5	70.6	68.6						
(278. RAD/SEC)	160	57.8	63.3	67.1	68.4	68.9	68.6	68.6	67.3	65.3	62.4						
NFK 2569. RPM	200	57.5	63.4	67.6	69.9	70.2	70.2	68.6	67.8	66.1	63.7						
(271. RAD/SEC)	250	54.9	60.8	67.5	70.1	70.7	70.9	69.2	67.9	65.4	62.7						
NFD 3244. RPM	315	54.3	59.3	66.9	69.8	70.4	72.0	68.9	66.7	63.4	60.2						
(340. RAD/SEC)	400	50.4	57.9	67.3	71.0	71.7	70.7	69.0	66.7	63.5	59.7						
AIRFLOW RATIO	500	48.5	57.9	66.9	71.1	71.9	72.0	69.3	67.3	63.0	59.5						
MF/MH 12:6C	630	53.5	63.6	71.7	77.3	78.1	77.2	75.1	71.8	67.4	62.0						
	800	55.3	65.8	73.0	79.8	80.7	79.4	77.3	74.3	69.6	63.9						
VEHICLE WTKS/M	1000	53.6	64.4	72.5	77.9	79.3	78.0	75.2	72.0	67.5	62.3						
CONFIG G03	1250	53.1	64.9	71.9	77.1	79.5	78.4	75.6	71.9	68.3	62.9						
LOC SCHENECTADY	1600	53.7	64.9	72.7	76.8	79.3	78.7	74.7	70.8	68.1	63.0						
DATE 7/1/75	2000	49.9	63.0	70.9	75.3	77.1	76.1	75.2	71.4	67.2	62.2						
RUN 29/8	2500	49.1	63.7	71.4	75.3	76.9	77.3	75.7	71.8	67.6	62.7						
TAPE	3150	47.4	62.5	69.6	73.6	75.9	75.9	75.0	71.3	66.4	61.5						
FAH TIP SPEED	4000	42.4	57.9	65.7	71.0	72.7	72.7	72.6	68.2	63.4	59.5						
823. FT/SEC	5000	39.2	56.4	65.1	69.7	71.9	72.3	72.8	68.9	64.4	60.6						
	6300	34.4	53.4	62.2	67.7	70.3	70.3	71.1	67.6	62.7	59.3						
	8000	25.3	47.7	58.6	64.0	67.2	68.4	68.4	65.5	60.2	56.7						
	10000	9.7	38.7	51.8	58.2	62.2	63.2	64.6	60.4	55.9	51.7						
OVERALL CALCULATED	74.1	79.7	84.5	88.0	89.4	89.2	87.8	85.6	83.0	80.1							
PNBR	75.5	82.4	94.8	98.8	100.6	100.6	99.4	96.0	91.9	87.6							
	50	76.0	79.5	83.3	84.1	82.9	85.6	86.0	85.7	84.5	82.4						
	63	76.2	78.8	80.4	81.7	83.0	82.8	81.2	79.4	76.7	75.6						
SIDELINE 200. Ft.	80	79.2	82.2	83.0	83.3	84.7	85.4	85.3	84.3	83.1	79.5						
(60.96 M)	100	77.5	82.3	84.7	84.9	85.1	86.1	86.5	85.5	84.1	82.4						
	125	72.8	76.9	81.3	83.2	83.8	83.3	82.0	81.2	79.5	77.4						
	160	69.1	73.5	76.7	77.6	78.0	77.7	77.4	76.1	74.2	71.3						
	200	69.1	73.8	77.3	79.2	79.4	79.2	77.6	76.8	75.1	72.7						
	250	66.9	71.4	77.4	79.6	80.0	80.1	78.3	77.0	74.5	71.9						
	315	66.6	70.3	77.0	79.5	79.9	81.3	78.2	75.9	72.7	69.5						
	400	63.1	69.1	77.7	80.9	81.3	80.2	78.4	76.1	72.9	69.2						
	500	61.5	69.4	77.5	81.3	81.7	81.6	78.8	76.8	72.5	69.2						
	630	67.0	75.5	82.7	87.6	88.1	87.1	84.8	81.6	77.2	71.8						
	800	69.3	78.0	84.2	90.2	90.9	89.4	87.2	84.2	79.5	74.0						
	1000	68.2	77.0	84.0	88.8	89.8	88.3	85.3	82.1	77.6	72.6						
	1250	68.2	77.9	83.7	88.3	90.3	88.9	85.9	82.2	78.7	73.4						
	1600	63.6	78.6	85.0	88.4	90.4	89.5	85.4	81.4	78.8	73.8						
	2000	66.7	77.2	83.7	87.2	88.5	87.2	86.2	82.3	78.2	73.4						
	2500	66.7	78.5	84.6	87.6	88.7	88.7	86.9	83.0	78.9	74.1						
	3150	66.2	78.2	83.5	86.5	88.1	87.8	86.7	83.0	78.1	73.4						
	4000	63.2	75.0	80.7	83.8	85.8	85.3	85.0	80.5	75.8	72.1						
	5000	61.2	74.2	80.7	84.0	85.4	85.4	85.6	81.6	77.2	73.6						
	6300	59.7	73.5	79.6	83.5	85.1	84.0	85.0	81.5	76.7	73.5						
	8000	55.8	71.3	78.7	82.1	84.0	84.5	84.1	81.1	76.0	72.9						
	10000	47.4	67.2	75.8	79.5	81.9	81.0	82.9	78.5	74.2	70.5						
OVERALL CALCULATED	85.1	90.3	95.7	99.3	100.2	99.6	98.2	95.5	92.5	89.4							
PNBR	92.0	102.2	107.9	111.1	112.5	112.1	110.9	107.5	103.3	99.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. & 70 PERCENT REL. HUM. DAT)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)
											(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	65.9	70.0	74.4	75.4	74.6	77.4	78.6	78.0	77.3	76.2	
	63	64.9	62.4	69.8	71.9	73.6	72.9	71.4	69.5	67.6	65.5	
NFA 2497. RPM (261. RAD/SEC)	80	68.3	71.7	73.3	73.6	74.9	76.2	76.4	75.3	74.2	70.5	
	125	59.8	64.7	70.4	72.6	72.9	72.6	71.5	71.0	69.1	66.8	
NFK 2436. RPM (255. RAD/SEC)	160	55.8	60.8	64.6	66.1	66.9	66.6	66.6	65.3	63.3	60.9	
	200	55.7	61.9	66.3	68.1	68.7	68.2	67.6	65.8	63.9	61.7	
NFD 3244. RPM (340. RAD/SEC)	250	52.7	60.3	66.2	68.8	69.2	68.7	67.7	66.1	64.2	61.2	
	315	50.5	57.8	65.4	68.3	69.4	68.7	67.5	65.4	61.2	58.2	
AIRFLOW RATIO WF/M 12.60	400	48.4	57.4	66.5	70.2	70.4	69.0	67.5	65.5	61.5	58.2	
	500	46.7	57.1	66.4	70.1	70.6	69.5	68.3	65.8	61.7	58.2	
	630	45.2	57.6	65.7	71.0	71.6	70.2	68.0	65.8	61.9	57.2	
	800	52.3	64.3	72.0	77.9	78.2	76.6	76.5	73.5	68.1	61.9	
VEHICLE CONFIG UTMSH G03	1000	51.4	63.6	70.7	76.9	78.3	77.1	74.7	71.7	67.0	62.1	
	1250	50.9	62.9	69.9	75.6	77.8	75.1	72.8	69.6	65.6	60.7	
LOC SCHENECTADY DATE 7/1/75	1400	53.5	66.2	74.9	76.7	81.8	79.4	76.6	74.7	70.6	64.2	
	2000	48.8	62.5	70.4	74.2	76.0	74.1	72.2	68.1	64.3	60.3	
RUN 29/9	2500	46.3	60.5	68.9	73.1	75.0	74.9	73.0	68.9	64.7	60.2	
	3150	44.4	60.7	68.9	72.8	75.1	74.6	73.2	68.8	63.6	59.3	
FAN TIP SPEED 774. FT/SEC	4000	41.0	57.7	65.8	70.1	72.5	72.4	71.6	67.4	61.9	58.0	
	5000	37.7	55.3	63.2	67.6	69.9	69.9	69.7	64.7	60.7	56.3	
	6300	31.1	51.3	61.3	65.6	68.4	68.7	68.5	64.4	59.6	55.5	
	8000	23.2	45.7	56.3	61.8	65.5	65.6	65.0	62.4	57.4	54.3	
	10000	10.9	30.1	50.6	57.8	60.6	61.7	62.1	58.3	54.0	49.2	
OVERALL CALCULATED PNSH	73.1	78.3	83.4	86.9	86.4	87.7	86.9	86.4	84.7	82.3	79.9	
	74.0	85.9	93.8	97.5	100.0	98.9	97.8	94.3	90.3	85.6		
SIDELINE 200. FT. (60.96 M)	50	75.7	79.0	83.0	83.8	82.9	85.6	86.8	86.2	85.5	84.4	
	63	75.0	76.6	78.6	80.5	82.0	81.3	79.7	77.9	76.0	73.8	
	80	78.7	81.2	82.3	82.3	83.4	84.7	84.9	83.8	82.6	79.0	
	100	76.3	80.3	82.4	83.3	83.9	84.4	85.0	84.2	82.6	81.2	
	125	70.8	74.6	79.8	81.7	81.8	81.3	80.2	79.7	77.8	75.6	
	160	67.1	71.0	74.2	75.3	76.0	75.5	75.4	74.1	72.2	69.8	
	200	67.3	72.3	76.1	77.5	77.9	77.2	76.6	74.8	72.9	70.7	
	250	64.6	70.9	76.2	78.4	78.5	77.9	76.8	75.2	73.3	70.4	
	315	62.0	68.8	75.5	78.0	78.9	78.0	76.7	74.6	70.4	67.5	
	400	61.1	68.6	76.9	80.2	80.1	78.5	76.9	74.9	70.9	67.7	
	500	59.8	68.7	77.0	80.3	80.5	79.1	77.9	75.3	71.3	67.9	
	630	59.7	69.5	76.6	81.4	81.6	80.0	77.8	75.5	71.7	67.1	
	800	66.3	76.5	83.2	84.5	88.5	88.7	86.4	83.4	78.1	72.0	
	1000	66.0	76.3	82.3	87.8	88.8	87.3	84.8	81.8	77.2	72.3	
	1250	66.0	76.0	81.8	86.8	88.6	85.8	83.2	80.0	76.0	71.2	
	1600	69.4	79.8	87.2	90.3	92.8	90.2	89.2	85.3	81.3	75.0	
	2000	65.5	76.7	83.2	86.1	87.4	85.3	83.2	79.0	75.3	71.6	
	2500	63.6	75.3	82.1	85.4	86.8	85.3	84.3	80.1	76.0	71.6	
	3150	63.3	76.4	82.9	85.7	87.3	86.7	84.9	80.5	75.3	71.2	
	4000	61.9	74.8	80.8	83.4	85.6	85.0	84.0	79.7	74.3	70.5	
	5000	59.7	73.2	78.8	81.9	83.4	83.0	82.5	77.4	73.5	69.3	
	6300	56.4	71.4	78.7	81.4	83.2	83.0	82.5	78.2	73.6	69.7	
	8000	53.7	69.3	76.4	79.9	82.4	81.7	81.8	78.0	73.2	70.4	
OVERALL CALCULATED PNSH	10000	48.6	66.7	74.5	78.3	80.3	80.4	80.4	76.4	72.2	68.0	
	84.0	89.5	94.7	97.9	99.2	98.2	97.1	94.3	91.6	88.9		
	90.0	100.6	106.9	109.9	111.5	110.5	109.1	105.4	101.4	97.2		

ORIGINAL PAGE IS
OF POOR QUALITY

Run 30/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (99. DEC. P. 70 PERCENT REL. HUM. EAW)											PROC. DATE = MONTH 7 DAY 22 HR. 11.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	50	63	80														
VEHICLE	(5. H)	100	95.8	89.3	82.5	84.5	85.5	86.8	87.8	88.8	87.3	85.8						121.6
COEFFIC	UTHSIM	125	95.0	91.5	91.0	90.8	90.8	91.0	91.8	89.8	89.8	89.1						124.5
LOC	SCHENECTADY	200	97.0	95.0	94.5	94.7	94.2	93.0	91.5	89.3	87.0	86.3						120.2
DATE	7/1/75	250	100.2	93.5	97.5	96.5	97.0	96.7	96.0	94.8	93.5	90.8						126.3
RUN	30/1	315	98.7	99.7	99.2	98.2	97.5	97.0	97.5	96.3	95.0	94.1						120.0
BAR	30.0 HG	400	94.5	94.0	95.7	96.5	95.5	94.3	92.8	91.6	90.8	88.8						130.9
	(01305. H/H2)	500	90.3	91.3	92.3	91.8	90.5	89.5	88.8	87.3	85.5	83.6						127.4
TAMP	88. DEG F	630	90.5	91.5	93.0	92.8	92.0	90.6	89.3	87.8	86.3	84.6						123.0
	(304. DEG K)	800	89.5	90.5	93.0	93.5	93.0	92.1	90.3	88.8	86.5	83.8						124.4
TACT	65. DEG F	1000	87.5	88.5	93.0	93.5	92.7	91.0	89.8	87.6	84.3	81.8						123.6
	(291. DEG K)	1250	86.5	87.2	92.8	94.8	94.0	92.1	90.1	88.4	84.3	81.6						124.5
HACT	8.91 GM/H3	1500	84.5	87.8	92.3	94.8	94.0	91.9	89.9	87.9	84.0	80.9						124.3
	(.00291 KG/H3)	2000	84.5	87.8	92.3	94.8	94.0	91.9	89.9	87.9	84.0	80.9						123.6
NFA	9819. RPM	2500	89.0	91.8	93.8	97.2	95.7	93.6	90.4	88.7	85.0	80.9						126.2
	(1028. RAD/SEC)	3150	92.5	95.8	98.0	100.7	100.4	97.6	94.2	91.8	88.0	84.1						135.2
NFK	9556. RPM	4000	93.2	96.3	98.0	100.9	101.6	99.1	96.1	92.5	89.4	84.3						131.1
	(11000. RAD/SEC)	5000	92.4	95.7	98.7	100.8	102.0	99.0	96.8	93.2	89.4	84.8						131.4
NFD	11517. RPM	6300	94.2	97.5	100.2	103.1	102.0	99.9	96.0	91.6	88.3	85.6						132.2
	(1206. RAD/SEC)	8000	92.3	95.9	98.8	99.3	100.3	98.6	96.1	92.8	88.6	85.0						130.6
NG	CF BLADES	10000	92.8	97.2	99.9	100.6	101.3	99.7	96.9	93.4	88.8	85.8						131.8
FAN	TIP SPEED	12500	93.3	97.1	99.4	100.0	101.0	98.9	97.1	93.2	88.7	85.8						131.6
	(857. FT/SEC)	16000	91.3	95.8	98.0	98.6	99.4	98.1	97.1	92.6	88.1	85.3						130.8
		20000	89.7	95.2	97.8	98.8	98.4	97.9	97.3	93.4	88.6	86.2						131.1
		25000	89.7	94.9	97.9	98.1	98.2	97.6	97.0	93.3	88.9	86.6						131.5
		31500	88.1	94.6	97.5	98.1	98.0	97.3	96.3	93.1	89.4	86.4						132.1
		40000	83.6	92.8	95.6	96.2	97.7	96.0	96.0	91.9	88.5	85.5						132.4
		50000	80.7	91.3	93.3	93.6	96.1	94.4	95.2	89.0	86.3	83.4						132.4
		63000	81.1	87.2	88.7	88.8	91.5	90.3	89.5	83.0	82.2	78.5						130.3
		80000	85.5	86.8	86.0	86.4	87.9	87.6	82.5	78.7	78.0	76.2						131.1
OVERALL MEASURED																		144.4
OVERALL CALCULATED		107.9	109.4	111.1	112.3	112.4	110.7	109.2	106.3	103.6	101.4							
PWB		117.8	120.0	121.9	124.0	124.1	122.0	119.5	116.7	113.8	110.2							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. ϕ 70 PERCENT REL. HUM. DAT)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	66.9	71.5	74.6	76.6	75.8	75.9	76.6	76.0	74.8	73.4						
63	66.7	69.1	71.3	73.4	74.1	73.7	72.6	70.5	68.1	67.0						
SIDELINE 500. FT. (152.40 M)	60	69.3	72.2	74.0	74.9	76.6	77.2	76.9	75.8	74.4						
NFA 2766. RPM	100	67.4	73.1	75.5	76.4	76.9	77.2	76.2	77.2	75.7						
(290. RAD/SEC)	125	62.6	67.0	71.7	74.4	74.7	74.3	73.3	72.2	71.3						
NFK 2692. RPM	160	57.8	63.8	67.9	69.4	69.4	69.3	69.1	67.8	65.8						
(282. RAD/SEC)	200	57.5	63.7	68.3	70.1	70.7	70.2	69.4	68.1	66.4						
NFD 3244. RPM	250	55.9	62.3	66.0	70.6	71.5	71.4	70.2	68.9	66.4						
(340. RAD/SEC)	315	53.3	59.8	67.6	70.3	70.9	71.0	69.5	67.4	63.9						
AIRFLOW RATIO	400	51.6	58.6	67.0	71.2	71.9	71.0	69.5	68.0	63.7						
NF/NM 12.60	500	49.0	58.1	66.1	70.9	71.6	70.5	69.0	67.3	63.2						
800	52.7	61.6	67.2	73.0	73.1	72.0	69.3	67.9	63.9	59.3						
1000	55.4	64.8	71.0	76.1	77.4	75.7	72.8	70.6	66.6	62.2						
VEHICLE UTHS IN	1250	55.2	64.9	70.5	75.9	76.3	76.8	74.5	71.0	67.8						
CONFIG G05	1600	53.4	63.6	70.6	75.4	76.3	76.4	74.8	71.4	67.4						
LOC SCHEMECTADY	2000	54.0	64.5	71.5	77.1	77.9	76.4	73.5	69.4	65.9						
DATE 7/1/75	2500	50.7	62.1	69.4	72.8	75.7	75.2	73.3	70.2	65.8						
RUN 30/L	3150	50.0	62.5	70.0	73.6	76.3	75.9	73.8	70.4	65.5						
TAPE	4000	48.5	61.2	68.5	72.2	75.3	74.5	73.4	69.7	65.0						
FAL TIP SPEED	5000	43.6	57.9	65.7	69.7	72.7	72.9	72.6	68.4	63.6						
857. FT/SEC	6300	40.5	56.5	64.9	69.5	71.4	72.4	72.6	68.9	63.9						
8000	35.5	53.0	62.6	66.9	69.7	70.7	71.0	67.5	62.9	59.6						
10000	26.3	47.7	58.6	64.0	66.9	68.1	68.2	65.3	61.2	57.2						
OVERALL CALCULATED	74.6	79.6	83.8	87.0	88.4	87.8	86.9	84.8	82.5	80.0						
PNR	76.0	86.8	93.8	97.7	99.8	99.8	98.2	95.1	91.0	87.4						

50	76.7	80.5	83.3	85.1	84.1	84.1	84.8	84.2	83.0	81.7						
63	76.7	78.3	80.1	82.0	82.5	82.0	80.9	78.9	76.5	75.3						
SIDELINE 200. FT. (60.96 M)	80	79.7	81.7	83.0	83.6	85.2	85.7	85.4	84.3	82.9						
100	78.0	82.8	84.7	85.3	85.6	85.9	86.8	85.7	84.3	82.9						
125	73.6	76.9	81.0	83.4	83.5	83.1	82.0	80.9	80.0	77.6						
160	69.1	74.0	77.4	78.6	78.5	78.2	77.9	76.6	74.7	72.3						
200	69.1	74.1	78.1	79.5	79.9	79.2	78.4	77.0	75.4	73.2						
250	67.9	72.9	77.9	80.1	80.8	80.6	79.3	78.0	75.5	72.4						
315	65.5	70.8	77.8	80.0	80.4	80.3	78.7	76.7	73.2	70.3						
400	64.3	69.8	77.4	81.2	81.6	80.5	78.9	77.4	73.1	70.0						
500	62.0	69.7	76.8	81.0	81.5	80.1	78.6	76.8	72.8	69.2						
630	66.2	73.5	78.2	83.4	83.1	81.8	79.1	77.6	73.7	69.1						
800	69.4	77.0	82.2	86.7	87.7	85.7	82.7	80.5	76.6	72.2						
1000	69.7	77.5	82.0	86.8	86.8	87.1	84.6	81.1	77.9	72.4						
1250	68.5	75.7	82.5	86.5	89.1	86.9	85.2	81.7	77.7	72.7						
1600	69.9	78.1	83.8	88.7	88.9	87.3	84.2	80.0	76.5	73.4						
2000	67.5	76.3	82.2	84.5	87.1	86.3	84.3	81.1	76.7	72.7						
2500	67.5	77.3	83.2	85.9	88.0	87.3	85.0	81.6	76.7	73.4						
3150	67.4	76.8	82.4	85.1	87.5	86.4	85.1	81.3	76.7	73.3						
4000	64.4	74.7	80.7	83.5	85.7	85.5	85.0	80.7	76.0	72.6						
5000	62.5	74.3	80.5	83.5	84.9	85.4	85.3	81.6	76.7	73.7						
6300	60.9	73.1	80.0	82.7	84.5	85.0	84.9	81.4	76.8	73.9						
8000	56.8	71.3	78.7	82.1	83.8	84.3	83.9	80.9	77.0	73.4						
10000	48.8	67.7	75.7	79.4	83.0	82.6	83.3	79.4	75.8	72.1						
OVERALL CALCULATED	85.6	90.6	94.9	97.9	99.2	98.4	97.3	94.7	92.0	89.3						
PNR	92.8	101.5	107.0	111.0	111.8	111.0	109.8	105.5	102.5	99.1						

Run 30/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.4																
		MODEL 80, RD PRESSURE LEVELS (59. DFG, P. 70 PERCENT REL. H ₂ O, CAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PmL
		(0.35)	(0.52)	(0.73)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	50	63	80														
VEHICLE	(5. MI)	100	94.3	90.3	83.3	83.5	85.3	87.0	88.3	88.8	88.0	86.5						121.0
COEFIC	UTHSIM	125	95.3	92.5	92.0	91.0	90.8	91.3	91.3	90.5	89.8	89.3						124.0
LOC	GC5	160	96.3	98.5	99.3	99.8	98.8	94.3	93.3	92.8	91.3	90.8						129.0
DATE	SCHECTADY	200	97.7	96.3	96.2	96.0	95.7	94.0	92.0	90.2	88.2	87.0						127.5
DATE	7/1/75	250	101.0	99.7	99.0	97.2	97.5	97.0	96.7	95.2	94.0	91.2						130.6
RPM	33/2	315	99.5	100.7	100.2	99.0	98.7	97.3	98.5	97.0	95.2	94.7						131.0
TYPE		400	95.0	95.5	97.0	97.5	96.5	95.3	93.8	93.0	91.5	89.7						128.4
BAR	30.0 HG	500	91.3	92.3	93.3	92.3	91.5	90.5	89.8	88.5	86.5	84.5						124.0
	(01305. K/M2)	630	91.5	93.0	93.3	93.3	92.7	91.8	90.3	89.5	87.3	85.3						124.0
TAMB	88. DEG F	800	90.0	90.8	93.8	94.5	93.5	92.6	91.0	89.5	87.2	84.5						125.1
	(304. DEG K)	1000	87.5	89.0	93.0	94.2	93.5	92.3	90.3	88.3	85.0	82.7						124.5
T-ET	85. DEG F	1250	87.0	88.6	93.0	94.3	94.2	92.6	91.3	89.1	85.3	82.3						125.2
	(291. DEG K)	1600	85.3	88.3	92.0	95.5	94.5	92.4	90.4	88.6	85.0	81.8						124.0
HACT	8.91 GM/M3	2000	85.2	84.6	91.0	95.7	92.7	91.4	89.4	87.7	84.5	81.1						124.4
	(.00891 KG/M3)	2500	90.0	92.3	94.0	97.0	95.2	93.4	90.6	88.7	85.0	81.8						126.1
NFA	10169. RPM	3150	93.7	96.6	98.0	100.7	100.4	97.4	94.9	92.0	88.2	84.3						130.3
	(1065. RAD/SEC)	4000	94.7	97.5	99.2	101.1	102.1	99.6	96.9	93.9	89.9	85.0						131.7
NFK	9896. RPM	5000	94.9	97.0	98.9	101.5	102.0	100.0	97.8	94.7	90.6	86.0						132.0
	(1036. RAD/SEC)	6300	94.5	100.5	102.2	103.3	103.8	101.5	97.4	93.8	90.9	87.0						133.0
NFD	11517. RPM	8000	93.8	97.2	99.0	100.3	100.3	99.1	96.4	93.5	89.3	85.2						131.1
	(1206. RAD/SEC)	10000	94.5	98.7	100.9	101.6	101.6	100.7	98.7	94.8	90.1	86.5						132.0
NO. OF BLADES	18	12500	94.5	98.1	100.2	101.0	101.2	99.2	97.9	94.4	90.4	87.0						132.3
FAN TIP SPEED	16000	20000	92.8	97.3	99.0	99.3	100.4	98.6	97.9	93.3	89.2	86.7						131.7
	888. FT/SEC	25000	91.5	96.9	98.8	99.3	99.4	98.9	98.0	94.3	90.3	87.8						132.0
		31500	91.0	96.7	98.6	98.3	99.2	98.4	97.5	94.5	90.1	88.3						132.4
		40000	89.4	96.1	98.3	98.8	98.7	98.1	97.3	94.5	90.6	88.1						133.0
		50000	84.6	94.8	96.6	97.4	98.2	97.0	97.2	92.8	89.5	87.2						133.4
		63000	81.7	93.0	94.5	94.9	96.8	95.2	96.4	90.7	88.0	85.1						133.5
		80000	81.1	89.2	89.5	89.3	92.5	91.1	91.2	85.7	85.1	81.7						131.7
			85.5	87.3	86.8	86.0	87.9	87.5	87.0	84.2	86.5	83.9						132.0
OVERALL MEASURED																		
OVERALL CALCULATED																		
PND9		108.9	110.8	112.1	113.1	113.1	111.9	110.0	107.2	104.4	102.1							149.3
		119.8	121.6	123.1	124.7	124.6	122.5	120.3	117.8	114.4	110.9							

Run 30/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.9																
		MOREL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
	80																	
RADIAL 17. FT.																		
(5. M)	100	94.8	92.8	84.0	83.5	86.3	87.5	88.0	89.3	89.0	87.3							122.5
VEHICLE UTMSIM	125	96.3	93.5	92.0	91.3	91.0	91.8	91.5	90.8	90.8	90.0							125.3
CONFIG GOS	150	97.0	98.3	98.8	98.8	99.0	94.3	94.5	94.0	93.3	92.0							129.0
LCC SCHENECTADY	200	99.0	99.2	99.7	99.0	99.2	95.7	94.0	93.0	91.2	90.0							130.3
DATE 7/1/75	250	102.0	101.2	100.2	98.7	99.0	98.5	98.0	96.5	95.0	92.7							131.9
RUN 30/3	315	100.2	101.7	101.5	100.5	99.5	98.8	99.0	97.7	96.5	95.0							132.7
TAPE	400	96.5	96.8	98.2	98.0	97.5	96.8	95.0	95.0	93.0	91.0							129.0
BAR 3000 HG	500	92.0	92.8	94.3	93.5	92.7	92.3	90.8	90.0	88.0	85.8							125.2
(01305. N/M2)	630	92.8	94.0	94.5	94.5	94.0	94.3	91.8	90.3	88.5	86.8							126.2
TAMB 90. DEG F	800	91.0	92.3	94.8	95.0	95.0	94.1	92.3	90.5	88.5	86.3							124.3
(305. DEG K)	1000	89.0	90.5	94.0	94.8	95.0	94.0	91.3	89.5	86.7	84.3							125.8
T-ET 65. DEG F	1250	88.3	89.3	93.8	95.0	95.2	93.3	91.8	89.8	86.8	84.0							129.7
(291. DEG K)	1600	86.5	89.3	92.3	95.0	95.0	92.9	90.9	89.4	86.0	83.3							125.2
HACT 8.35 GM/M3	2000	87.5	90.1	92.0	95.5	95.0	92.4	90.4	88.7	86.0	82.1							125.1
(.00635 KG/M3)	2500	91.3	92.3	94.3	96.5	95.2	93.4	90.9	89.2	86.0	82.3							128.1
NFA 10622. RPM	3150	96.5	97.6	98.8	101.2	101.4	98.0	95.7	92.2	90.0	85.1							131.2
(1112. RAD/SEC)	4000	96.9	98.6	100.5	101.4	102.9	100.3	98.1	94.5	90.9	86.5							132.6
NFK 10318. RPM	5000	97.1	98.8	100.7	102.1	103.3	101.3	98.8	95.4	92.3	87.5							133.2
(1060. RAD/SEC)	6300	101.5	103.0	104.2	105.4	106.6	103.5	99.7	96.3	92.8	88.8							136.1
NFD 11517. RPM	8000	96.1	97.9	100.6	101.1	101.4	100.4	97.2	94.3	90.8	86.7							132.2
(1200. RAD/SEC)	10000	95.8	99.8	101.7	101.0	102.9	101.8	99.5	96.1	91.9	88.3							133.7
NO. OF BLADES 18	12500	96.1	99.2	101.5	101.5	102.1	100.7	99.2	95.7	91.7	88.5							133.4
FAN TIP SPEED	16000	94.9	98.6	99.6	100.7	101.2	99.5	99.5	94.7	91.2	88.3							132.9
927. FT/SEC	20000	92.6	98.1	100.2	100.2	100.8	99.0	99.4	95.7	92.3	89.5							133.3
	25000	92.9	96.9	100.6	100.3	100.5	99.1	99.5	96.2	92.6	90.2							133.8
	31500	91.9	97.6	100.5	100.4	100.8	100.0	99.3	96.0	93.4	90.6							135.1
	40000	87.2	96.2	99.0	98.8	99.6	98.9	99.6	95.2	92.3	90.1							135.3
	50000	83.7	94.8	97.0	96.5	98.8	97.1	98.2	93.1	91.7	87.6							135.6
	63000	82.8	90.6	92.1	92.0	94.9	93.2	93.8	87.9	87.5	83.6							134.0
	80000	85.7	87.8	88.0	87.9	88.9	87.8	88.0	85.2	86.7	84.2							133.6
OVERALL MEASURED																		
OVERALL CALCULATED		110.4	112.1	113.5	113.9	114.5	112.8	111.4	108.6	106.1	103.5							140.7
PWDR		122.6	123.3	124.6	125.6	126.3	124.0	121.4	118.7	115.9	112.3							

Run 30/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.8																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT, REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																		
63																		
80																		
RADIAL 17. FT.																		
(5. H)		100	99.5	96.3	87.3	84.5	86.8	88.3	89.3	89.5	88.8	87.3						124.5
VEHICLE UTMSIM		125	98.3	97.0	93.3	91.8	91.5	92.3	92.5	91.0	90.5	90.5						126.5
CONFIG 605		160	98.0	97.5	96.0	95.5	94.3	94.3	94.5	92.8	92.3	91.3						126.2
LOC SCHENECTARY		200	102.5	103.2	103.7	103.0	103.0	101.0	98.7	96.5	93.5	93.0						134.3
DATE 7/1/75		250	103.5	103.7	102.5	101.2	100.7	100.5	99.2	98.2	96.2	93.5						133.8
RUN 30/4		315	102.0	103.7	104.2	103.2	102.2	101.0	101.0	100.0	98.0	96.0						135.0
TAPE		400	98.8	99.8	101.5	101.0	100.0	99.5	97.5	96.8	95.0	93.7						132.3
BAR 30.0 HG		500	94.5	96.0	96.8	96.5	95.7	94.8	93.8	92.3	90.0	88.3						127.9
(01305. T/M2)		630	94.8	96.5	97.3	97.0	96.2	95.6	94.3	93.0	90.8	89.0						128.5
TAMB 92. DEG F		800	93.8	95.0	97.3	97.8	97.0	95.8	94.3	93.3	91.0	88.5						128.6
(306. DEG K)		1000	91.0	93.0	95.3	96.0	96.2	95.1	93.8	91.8	89.2	86.5						127.3
TMEY 66. DEG F		1250	90.3	92.1	95.5	97.3	97.2	96.1	94.6	92.8	89.5	86.5						128.1
(292. DEG K)		1600	88.5	92.3	94.0	96.0	96.7	95.1	93.6	91.6	88.2	85.3						127.1
MACT 8.58 GM/H3		2000	89.5	93.1	94.0	97.2	97.2	94.9	92.6	91.2	88.0	84.8						127.3
(1.00858 KG/M3)		2500	91.3	94.3	95.5	97.2	96.7	95.1	92.6	91.2	88.0	84.6						127.5
NFA 11635. RPM		3150	96.0	98.6	100.0	100.4	101.4	98.6	96.4	93.2	90.2	86.3						131.4
(1239. RAD/SEC)		4000	99.4	102.3	102.7	102.9	104.9	102.8	100.1	97.0	93.4	88.5						134.8
NFK 11476. RPM		5000	99.6	102.0	103.4	104.1	105.5	103.5	101.3	98.4	94.3	89.5						135.8
(1201. RAD/SEC)		6300	101.0	103.7	104.9	105.4	105.6	103.8	100.5	97.6	93.8	90.1						136.2
NFD 11517. RPM		8000	100.8	103.9	104.8	105.1	105.6	103.7	101.2	97.5	93.8	90.5						136.3
(1206. RAD/SEC)		10000	97.6	102.5	104.0	104.1	104.4	104.0	102.5	98.6	94.9	91.1						136.0
NO. CF BLADES 18		12500	98.1	101.9	103.7	103.8	104.1	103.5	101.9	98.5	94.7	92.0						135.8
FAN TIP SPEED		16000	96.9	101.4	102.6	102.9	103.0	103.0	102.5	98.4	94.4	91.1						135.6
1033. FT/SEC		20000	95.1	100.3	103.0	103.4	102.8	102.5	102.4	99.0	95.2	93.0						136.1
		25000	95.4	100.7	103.3	103.0	103.7	102.6	102.5	99.2	95.8	93.7						136.9
		31500	94.2	100.6	103.3	103.4	103.0	103.6	102.8	100.0	96.4	94.1						138.1
		40000	89.5	99.5	102.5	102.3	102.4	102.4	103.1	98.9	95.8	93.8						138.7
		50000	85.7	98.0	100.3	100.3	101.8	100.9	102.2	96.9	94.2	91.4						139.1
		63000	84.3	93.9	95.4	95.3	98.0	96.5	96.4	91.4	90.6	86.6						137.1
		80000	86.1	89.9	90.4	90.8	91.5	89.9	90.6	87.0	87.6	84.8						135.8
OVERALL MEASURED																		
OVERALL CALCULATED		112.4	114.8	116.0	116.0	116.3	115.3	114.1	111.2	108.2	105.7							140.2
PNDB		123.1	125.5	126.2	126.6	127.4	125.7	123.6	121.1	117.8	114.2							

Run 30/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 22 HR. 11.3																
		MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.
FREQ. (0.35)		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	PWL
50																		
63																		
80																		
RADIAL 17. FT.																		
(5. M)																		
VEHICLE	UTHSIM	100	92.5	87.0	81.3	82.3	84.5	85.8	87.3	87.6	87.0	84.3					120.1	
CONFIG	GD5	125	94.3	90.3	90.5	90.3	90.0	91.0	91.0	90.3	89.0	89.6					124.1	
LGC	SCHEMECTADY	150	95.0	95.8	96.5	96.5	93.8	96.3	96.0	95.6	94.0	92.3					128.9	
DATE	7/1/75	200	95.7	94.0	93.2	93.0	93.0	92.5	90.5	88.8	86.5	85.3					125.2	
RUN	30/5	250	99.7	97.7	96.7	95.0	95.2	95.7	95.5	94.3	92.8	90.0					128.9	
TAPE		315	98.5	98.7	98.5	97.0	96.7	96.3	96.7	95.8	94.3	93.1					130.1	
BAR	30.0 HG	400	94.5	93.0	95.5	95.2	94.5	93.5	91.8	91.3	89.8	87.8					126.8	
		500	90.8	90.0	91.0	89.8	89.2	88.8	87.8	86.1	84.5	82.1					121.9	
	(0.1305 N/M ²)	630	89.8	90.8	91.5	91.8	90.5	89.3	88.5	87.1	85.3	83.3					122.8	
TAMP	88. DEG F	800	87.8	89.0	92.3	93.0	92.2	91.1	89.3	87.3	85.0	82.3					123.5	
	(304. DEG K)	1000	85.8	87.3	91.5	91.7	91.7	90.8	88.5	86.8	83.5	80.8					122.7	
T-MET	66. DEG F	1250	84.6	86.8	92.0	93.0	93.0	91.1	89.1	86.4	83.3	79.8					123.3	
	(292. DEG K)	1600	83.5	86.1	91.3	93.5	93.0	90.9	89.1	86.4	83.3	79.9					123.3	
HACT	9.71 GM/M ³	2000	83.3	86.8	90.3	93.5	92.2	89.9	87.6	85.7	82.8	78.6					122.8	
	(1.00971 KG/M ³)	2500	85.3	91.6	94.3	97.2	96.2	94.9	91.1	89.0	85.0	81.1					126.6	
NFA	9467. RPM	3150	92.0	94.1	96.5	99.4	99.4	97.6	93.9	91.5	87.0	82.6					129.3	
	(991. RAD/SEC)	4000	91.4	94.5	96.7	99.3	100.6	97.8	95.1	91.5	87.0	83.1					129.8	
NFK	9213. RPM	5000	92.1	94.5	97.9	100.5	101.0	98.2	95.6	91.7	87.8	83.8					130.5	
	(925. RAD/SEC)	6300	93.2	95.9	97.6	100.6	100.3	96.5	93.2	89.3	86.5	83.6					126.9	
NFD	11517. RPM	8000	98.6	94.9	97.0	98.8	99.0	96.1	94.8	91.3	87.0	83.2					129.8	
	(1206. RAD/SEC)	10000	91.2	96.1	98.9	99.0	99.8	98.4	95.4	91.3	87.1	84.0					130.4	
NO. OF BLADES	18	12500	91.2	95.8	97.8	98.6	98.9	97.1	95.8	91.4	87.4	84.0					129.9	
FAN TIP SPEED		16000	90.0	94.4	96.7	97.5	97.8	96.0	96.0	90.8	86.3	83.4					129.3	
	826. FT/SEC	20000	89.1	93.8	96.4	97.4	97.0	96.2	95.6	91.7	87.0	84.0					129.6	
		25000	87.8	93.5	95.9	96.6	96.8	95.9	94.6	91.6	87.0	84.4					129.7	
		31500	86.1	93.1	95.0	95.8	96.0	95.5	95.0	91.0	87.1	84.1					130.2	
		40000	81.5	91.5	94.3	94.6	94.9	94.2	93.9	90.0	86.2	83.4					130.4	
		50000	78.8	90.1	91.1	91.6	93.7	92.5	93.3	87.0	84.4	80.7					130.4	
		63000	80.1	86.0	86.5	87.1	89.0	88.6	88.7	81.3	79.9	76.0					128.6	
		80000	84.6	85.6	85.2	85.8	86.2	86.2	86.4	76.6	76.9	74.6					130.6	
OVERALL MEASURED																		
OVERALL CALCULATED		106.9	108.1	109.8	111.0	111.0	109.6	108.1	105.3	102.7	100.4					143.1		
PNDR		116.8	118.6	120.8	122.7	123.0	121.0	118.6	115.8	112.6	109.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. LAVI)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	
SIDELINE 500. FT. (152.40 M)	50	65.2	70.2	73.6	75.4	73.8	77.1	77.3	77.0	75.3	73.2					
NFA (2667. RPM)	63	65.4	68.1	70.1	71.6	72.9	73.2	71.8	70.0	67.6	66.0					
(279. RAD/SEC)	80	68.8	71.5	73.3	73.4	74.9	76.2	76.4	75.3	73.7	70.5					
NFK (2595. RPM)	100	67.1	72.1	74.7	75.1	76.1	76.5	77.5	76.7	75.0	73.3					
(272. RAD/SEC)	125	62.6	66.0	71.4	73.1	73.7	73.6	72.3	72.0	70.3	67.8					
NFD (3244. RPM)	160	58.3	62.6	66.6	67.4	68.2	68.6	68.1	66.5	64.8	61.9					
(340. RAD/SEC)	200	56.7	62.9	66.8	69.1	69.2	68.9	68.6	67.3	65.4	62.9					
AIRFLOW RATIO	250	54.2	60.8	67.2	70.1	70.7	70.4	69.2	67.4	64.9	61.7					
NF/W 12:00	315	51.5	58.6	66.1	68.5	69.9	70.0	68.2	66.7	63.2	60.0					
VEHICLE CONFIG	400	49.9	57.6	66.3	69.5	70.9	70.0	68.5	66.0	62.7	58.7					
LOC SCHEMECTADY	500	48.0	56.4	65.1	69.6	70.6	69.5	68.3	65.8	62.5	58.5					
DATE 7/1/75	630	52.5	61.4	67.7	73.0	73.6	73.2	70.1	68.1	63.9	59.5					
RUN 30/5	800	54.8	63.3	69.5	74.8	76.4	75.7	72.5	70.3	65.6	60.7					
TAPE	1000	53.4	63.1	69.2	74.4	77.3	75.5	73.4	70.0	66.3	60.8					
FAN TIP SPEED	1250	53.1	62.4	69.9	75.1	77.3	75.6	73.6	69.9	65.8	61.2					
826. FT/SEC	1600	52.9	63.0	69.0	74.6	76.1	73.4	70.8	67.1	64.1	60.5					
OVERALL CALCULATED	2000	49.2	61.0	67.6	73.3	74.4	74.6	72.0	68.7	64.2	59.8					
PNDP	2500	48.4	61.5	68.9	72.1	74.7	74.6	72.2	68.4	63.9	60.2					
	3150	46.4	59.8	66.9	70.9	73.2	72.7	72.1	67.9	63.7	59.5					
	4000	42.2	58.5	64.3	68.6	71.1	70.7	71.5	66.5	61.7	58.1					
	5000	38.9	55.1	63.5	68.1	70.0	70.7	70.9	67.2	62.2	58.5					
	6300	33.6	51.6	60.7	65.4	68.2	69.0	68.5	65.8	60.9	57.4					
	8000	24.2	46.2	56.1	61.7	64.9	66.4	66.9	63.3	59.0	54.9					
	10000	9.0	37.7	50.4	56.5	60.5	62.0	63.0	59.5	55.2	51.3					
	PNDR	73.9	78.6	82.8	85.8	87.2	87.0	86.0	84.2	81.8	79.1					
		74.9	85.6	92.6	96.3	98.4	98.2	96.9	93.6	89.7	85.8					

SIDELINE 200. FT. (60.96 M)	50	75.0	79.2	82.3	83.8	82.1	85.3	85.5	85.2	83.5	81.4					
	63	75.5	77.3	78.9	80.2	81.3	81.5	79.9	78.4	76.0	74.3					
	80	79.2	80.9	82.3	82.1	83.4	84.7	84.8	83.8	82.1	79.0					
	100	77.9	81.8	83.9	84.0	84.9	85.1	86.0	85.2	83.6	81.9					
	125	73.6	75.9	80.8	82.2	82.5	82.3	81.0	80.7	79.0	76.6					
	160	69.6	72.7	76.2	76.6	77.2	77.5	76.9	75.4	73.7	70.8					
	200	68.3	73.3	76.6	78.5	78.4	77.9	77.6	76.3	74.4	72.0					
	250	66.1	71.4	77.2	79.6	80.0	79.6	78.3	76.5	74.0	70.9					
	315	63.8	69.5	76.3	78.3	79.4	79.3	77.4	75.9	72.4	69.3					
	400	62.6	68.8	76.7	79.4	80.6	79.5	77.9	75.4	72.1	68.2					
	500	61.0	67.9	75.8	79.8	80.5	79.1	77.8	75.3	72.0	68.2					
	630	66.0	73.3	78.7	83.4	83.6	83.1	79.8	77.8	73.7	69.3					
	800	68.9	75.5	80.7	85.5	86.7	85.7	82.5	80.2	75.5	70.7					
	1000	67.9	75.8	80.7	85.3	87.8	85.8	83.6	80.1	76.4	71.1					
	1250	68.2	75.4	81.7	86.3	88.1	86.1	83.9	80.2	76.2	71.7					
	1600	68.8	76.6	81.3	86.2	87.2	84.2	81.4	77.7	74.8	71.3					
	2000	65.9	75.2	80.4	84.2	85.8	85.8	83.0	79.6	75.2	70.9					
	2500	66.0	76.3	82.1	84.4	86.5	86.0	83.5	79.6	75.2	71.6					
	3150	65.3	75.5	80.8	83.8	85.5	84.6	83.8	79.5	75.4	71.4					
	4000	63.1	73.6	79.3	82.3	84.1	83.4	83.9	78.8	74.1	70.7					
	5000	60.8	72.9	79.1	82.4	83.5	83.7	83.7	79.9	75.0	71.5					
	6300	58.9	71.7	79.0	81.2	83.0	83.3	82.5	79.7	74.9	71.7					
	8000	54.8	69.8	76.2	79.8	81.8	82.5	82.6	78.9	74.7	71.1					
	10000	46.7	66.3	74.3	77.8	80.2	80.8	81.2	77.6	73.5	70.0					
OVERALL CALCULATED	PNDR	84.9	89.3	93.7	96.8	97.9	97.3	98.2	93.8	91.1	88.3					
		91.3	100.2	105.7	108.7	110.2	109.7	108.5	105.0	101.1	97.4					

Run 30/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 11.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DAY)														
FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. Fy.	80	66.8	70.5	71.8	72.6	73.9	74.9	75.1	74.3	72.7	69.2			
(152.40 M)	100	64.9	70.3	73.0	73.1	74.4	75.0	75.2	75.2	73.2	71.0			
NFA 2501. RPM	125	58.6	64.5	69.7	71.9	72.4	71.8	71.3	70.5	68.3	66.1			
(762. RAD/SEC)	160	54.8	60.6	64.4	65.9	66.4	66.3	66.3	65.3	62.8	60.4			
NFA 2436. RPM	200	53.7	61.2	65.6	67.4	68.0	67.7	67.1	65.1	63.1	60.9			
(1255. RAD/SEC)	250	51.9	59.8	65.7	68.3	69.0	68.2	67.2	65.6	63.4	59.7			
NFA 3244. RPM	315	48.5	57.1	64.6	67.5	68.9	68.5	67.0	64.7	61.2	58.0			
(1340. RAD/SEC)	400	47.4	56.1	65.3	69.5	69.9	69.0	67.3	65.0	60.7	58.0			
AIRFLOW RATIO	500	46.0	55.6	64.6	68.9	69.9	68.2	66.5	64.5	61.0	56.7			
WE/WM 12-60	630	45.0	55.6	63.2	68.5	68.8	67.0	65.0	63.6	59.9	55.2			
VEHICLE	800	51.1	61.3	69.0	74.6	73.9	75.9	73.3	70.3	65.4	58.7			
UTMSLM	1000	49.7	60.9	67.2	72.7	74.1	72.8	70.2	67.3	63.3	58.6			
CONFIG 605	1250	49.4	60.1	67.1	73.2	75.3	73.4	71.1	67.6	63.6	59.2			
LCC SCHEMECTADY	1600	52.3	63.5	70.4	76.2	76.5	75.1	73.6	70.2	65.4	61.2			
DATE 7/1/75	2000	47.3	59.0	64.7	71.7	73.0	70.6	68.0	64.9	61.6	57.7			
RUN 30/6	2500	45.3	58.1	66.9	70.9	73.1	72.6	70.5	66.9	62.7	58.0			
TAPE	3150	43.4	58.0	65.7	69.8	72.6	71.8	69.7	65.6	61.1	57.4			
FAI TIP SPEED	4000	39.8	55.1	63.4	67.9	70.8	69.4	68.9	64.7	59.7	55.8			
775. FT/SEC	5000	37.3	52.7	61.3	66.2	68.5	68.5	68.0	63.1	58.8	54.4			
	6300	29.9	48.6	58.5	63.8	66.5	66.3	66.9	62.3	57.2	53.6			
	8000	22.1	42.8	53.7	59.5	63.2	63.5	63.4	59.5	54.8	51.5			
	10000	9.1	35.1	47.8	54.2	58.3	59.4	59.9	56.0	51.2	47.2			
OVERALL CALCULATED		71.9	77.1	81.5	84.8	86.1	85.6	84.7	82.9	80.7	78.7			
PNDB		72.7	83.6	90.9	95.6	97.5	96.4	94.9	91.6	87.6	83.0			

	50	75.0	78.5	82.8	83.1	82.4	84.8	85.8	84.7	84.0	83.2			
	63	73.5	75.6	77.9	79.5	80.3	80.0	78.4	76.9	75.0	73.3			
SIDELINE 200. Fy.	80	77.2	79.9	80.8	81.3	82.4	83.4	83.6	82.8	81.1	77.7			
(60.96 M)	100	75.5	80.0	82.2	82.0	83.1	83.6	83.8	83.7	81.8	80.4			
	125	69.6	74.4	79.0	80.9	81.3	80.0	80.0	79.2	77.0	74.9			
	160	66.1	70.7	73.9	75.1	75.5	75.2	75.2	74.1	71.7	69.3			
	200	65.3	71.6	75.3	76.7	77.1	76.7	76.1	74.0	72.1	70.0			
	250	63.9	70.4	75.7	77.9	78.3	77.4	76.3	74.7	72.5	68.9			
	315	60.8	68.0	74.8	77.3	78.4	77.8	76.2	73.9	70.4	67.3			
	400	60.1	67.3	75.7	79.4	79.6	78.5	76.7	74.4	70.1	67.5			
	500	59.0	67.2	75.3	79.0	79.7	77.9	76.1	74.1	70.5	66.4			
	630	58.5	67.5	74.1	78.9	78.9	76.8	74.8	73.3	69.7	65.1			
	800	65.1	73.5	79.2	85.2	84.2	85.9	83.2	80.2	75.3	68.7			
	1000	64.2	73.5	78.8	83.6	84.6	83.1	80.3	77.4	73.4	68.9			
	1250	64.5	73.2	79.0	84.3	86.1	83.9	81.4	78.0	74.0	69.7			
	1600	68.2	77.1	82.7	87.8	89.6	85.9	84.3	80.8	76.0	72.0			
	2000	64.0	73.2	79.5	83.7	84.4	81.8	79.0	75.8	72.6	68.9			
	2500	62.9	72.8	80.1	83.2	84.8	84.1	81.8	78.1	74.0	69.4			
	3150	62.3	73.7	79.6	82.7	84.9	83.7	81.4	77.3	72.8	69.3			
	4000	60.7	72.1	78.4	81.8	83.9	82.1	81.3	77.0	72.1	68.4			
	5000	59.2	70.5	76.8	80.5	82.0	81.5	80.8	75.8	71.6	67.4			
	6300	55.3	68.8	75.8	79.6	81.3	80.6	80.9	76.1	71.2	67.9			
	8000	52.6	66.5	73.9	77.6	83.1	79.7	79.2	75.2	70.6	67.6			
	10000	46.8	63.7	71.8	75.5	78.0	78.2	78.1	74.1	69.4	66.0			
OVERALL CALCULATED		82.0	87.9	92.4	95.6	96.8	95.8	94.6	92.3	89.8	87.5			
PNDB		83.7	96.2	104.2	107.6	109.1	108.0	106.4	102.9	98.9	95.3			

Run 30/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM															PROC. DATE = MONTH 7 DAY 22 HR. 11.7				
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																			
ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
	FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	PWL
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.		
	50																		
RADIAL	63																		
	80																		
	100	86.8	79.1	77.8	80.8	84.0	86.3	87.8	88.8	88.0	87.1								119.9
VEHICLE	125	89.8	86.9	86.6	86.5	89.0	91.5	92.5	92.6	93.0	93.8								125.8
CONFIG	160	88.5	88.4	90.1	89.3	87.5	87.0	87.8	87.3	87.5	87.8								121.7
LDC	200	89.5	87.4	88.1	88.0	90.0	88.8	87.5	84.8	83.0	82.6								128.9
DATE	250	92.5	90.9	88.3	88.0	89.5	91.3	91.2	90.3	88.8	86.3								123.5
RUN	315	91.0	91.6	89.8	87.5	87.5	89.0	90.0	89.3	88.0	87.1								122.7
TAPE	400	84.0	85.6	87.6	86.5	85.3	84.3	83.3	83.6	82.0	80.6								118.1
BAR	500	81.1	82.6	81.6	80.8	80.3	79.6	79.3	77.8	76.3	74.1								113.1
	630	81.8	84.4	84.8	84.1	82.8	81.3	80.3	78.8	76.0	75.1								115.1
TANG	800	79.8	85.9	87.6	87.3	85.7	83.8	81.8	82.1	77.3	74.1								117.5
	1000	77.8	84.1	87.8	87.5	86.0	83.8	81.8	80.8	74.8	73.1								117.3
T-ET	1250	79.1	83.4	87.6	88.0	86.7	84.9	82.8	80.6	76.0	72.8								117.0
	1600	78.3	82.2	87.4	88.0	86.2	83.6	81.6	79.2	74.8	71.9								117.2
HACT	2000	83.6	88.7	93.1	93.8	90.5	88.4	85.6	83.2	79.0	76.4								122.4
	2500	85.5	90.0	93.1	93.7	91.2	89.1	85.9	83.5	79.0	75.4								122.7
NFA	3150	84.5	88.2	90.6	92.7	90.4	86.9	83.4	81.0	77.0	74.4								121.1
	4000	88.7	94.1	96.5	98.4	99.6	95.1	92.1	88.5	83.4	80.1								128.4
NFK	5000	86.4	90.8	93.7	96.3	94.8	90.3	87.1	83.4	79.8	77.0								124.7
	6300	85.5	89.0	91.4	94.1	92.5	88.5	84.9	81.3	78.8	76.1								122.7
NFD	8000	85.3	89.7	92.3	93.5	93.3	90.4	85.8	81.7	78.5	76.2								123.3
	10000	84.4	90.0	92.1	92.8	92.0	89.7	85.8	81.8	78.0	82.7								122.9
NO. OF BLADES	12500	84.4	89.3	91.1	92.1	91.3	88.5	86.5	81.5	76.8	74.6								123.3
FAN TIP SPEED	16000	82.4	87.4	88.9	90.9	90.1	87.9	86.4	80.1	75.4	77.3								121.5
	20000	80.2	86.7	88.6	89.7	88.8	87.3	85.7	79.8	75.0	78.6								121.1
	25000	79.5	85.6	87.5	88.1	88.0	85.5	83.8	79.6	74.0	73.6								120.3
	31500	77.6	84.8	87.0	87.3	86.9	86.0	83.9	79.2	74.0	72.0								120.7
	40000	72.6	83.1	85.4	85.6	85.4	83.7	83.2	78.3	73.4	73.7								120.6
	50000	69.5	81.1	82.5	82.8	83.8	82.4	81.9	75.7	72.5	75.1								120.5
	63000	70.1	77.3	77.5	78.4	80.0	78.1	77.2	71.7	71.6	71.7								119.6
	80000	73.8	78.0	74.7	75.1	75.7	75.4	75.3	72.5	74.8	72.3								121.1
OVERALL MEASURED																			
OVERALL CALCULATED		100.3	102.6	104.5	105.6	105.1	102.8	101.2	99.4	97.9	97.4								136.8
PN3B		111.7	115.7	118.0	119.3	119.3	116.0	113.5	110.7	107.0	104.7								

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.7													
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)															
ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	58.7	62.9	67.2	68.2	67.6	67.9	69.1	68.7	68.8	68.7				
NFA 2003. KPH (210. RAD/SEC)	63	59.2	61.5	64.9	66.7	69.9	69.4	68.4	66.0	64.1	63.2				
NFK 1955. RPM (205. RAD/SEC)	80	61.6	64.6	64.8	66.4	69.1	71.7	72.1	71.3	69.7	66.7				
NFD 3244. KPH (340. PAD/SEC)	100	59.6	65.0	66.1	65.7	66.9	69.3	70.7	70.2	68.7	67.3				
AIRFLOW RATIO	125	52.1	58.6	63.5	64.4	64.4	64.3	63.8	64.2	62.6	60.6				
NFA/M 12-60	160	48.6	55.2	57.2	58.4	59.2	59.4	59.6	58.3	56.6	53.9				
VEHICLE	200	48.8	56.6	59.9	61.4	61.5	60.9	60.4	59.1	56.1	54.7				
CONFIG	250	46.2	57.6	62.6	64.4	64.2	63.2	61.7	62.1	57.2	53.4				
LOC	315	43.6	55.4	62.4	64.3	64.2	63.0	61.5	60.7	54.4	52.2				
DATE	400	44.2	54.2	61.8	64.5	64.7	63.8	62.3	60.2	55.5	51.7				
RUN	500	42.8	52.5	61.2	64.2	63.9	62.3	60.8	58.5	54.0	50.5				
TAPE	630	47.2	58.5	66.6	69.6	67.8	66.7	64.5	62.3	57.9	54.7				
FAN TIP SPEED	800	48.4	59.1	66.1	69.1	68.2	67.2	64.5	62.3	57.6	53.4				
621. FT/SEC	1000	46.5	56.8	63.1	67.7	67.1	64.6	61.7	59.5	55.3	52.1				
OVERALL CALCULATED	1250	49.7	62.0	68.5	72.9	75.8	72.4	70.1	66.6	61.4	57.4				
PNDP	1600	46.1	57.8	65.0	70.3	70.5	67.2	64.6	61.2	57.4	53.9				
	2000	43.8	55.1	62.0	67.5	67.7	64.9	62.0	58.6	55.8	52.5				
	2500	42.3	54.9	62.2	66.4	68.1	66.4	62.5	58.7	55.2	52.2				
	3150	39.4	53.8	61.0	64.8	66.1	65.0	61.9	58.1	54.1	50.1				
	4000	36.3	51.1	58.4	62.8	64.3	62.9	61.6	56.9	51.9	49.0				
	5000	32.7	48.2	55.5	61.1	62.7	62.0	61.2	55.2	50.2	51.3				
	6300	25.3	44.2	52.7	57.9	59.6	59.8	59.0	53.4	48.4	51.0				
	8000	16.7	37.8	47.6	53.1	56.1	55.4	54.8	50.9	44.9	43.5				
	10000	3.7	29.7	41.7	47.8	51.1	52.5	51.6	47.3	41.7	38.5				
	OVERALL CALCULATED	66.7	72.4	77.2	80.2	81.3	80.1	79.2	77.6	75.5	73.9				
	PNDP	67.8	79.6	86.5	90.4	91.6	90.2	87.9	84.6	80.6	80.8				

ORIGINAL PAGE IS OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVEL, (59. DEC. F. 76 PERCENT REL. HUM. DAY)

PROC. DATE = MONTH 7 DAY 17 HR. 16.0

ANGLES FROM INLET IN DEGREES (AND RADIAN)

	FREQ.											PWL
	20	30	40	50	60	70	80	90	100	110	120	
	100	102.9	95.3	88.1	88.3	89.4	90.1	89.6	88.6	87.8	86.5	120.8
RADIAL 17. FT.	125	103.1	98.5	97.1	97.6	97.2	97.1	96.4	93.9	92.5	91.8	130.4
VEHICLE 5. M)	160	101.1	99.0	99.6	99.6	97.4	97.8	97.4	95.6	93.8	93.3	131.2
CONFIG G04	200	103.6	104.5	104.9	104.1	103.4	101.3	99.4	97.6	95.5	94.7	135.2
LOC SCHENECTADY	250	106.8	106.8	107.1	105.6	104.7	103.5	102.4	100.6	98.7	96.0	137.4
DATE 7/7/75	315	105.6	108.0	106.6	107.8	106.7	105.8	104.1	102.4	100.5	99.7	139.1
RUN 31/4	400	99.1	101.8	103.6	103.8	103.7	102.8	100.4	98.9	96.5	95.2	139.0
TAPE	500	96.1	98.1	99.1	98.8	98.4	97.1	95.4	93.9	91.5	89.8	138.1
BAR 29.6 HG	630	95.6	98.1	98.9	99.8	99.4	97.9	96.4	94.7	92.0	90.0	130.8
(100.22. N/M2)	800	94.1	95.8	97.6	99.1	98.4	97.1	95.4	93.9	92.0	90.0	129.7
TAMB 86. DEG F	1000	93.1	94.8	97.4	98.1	97.9	97.6	96.1	93.9	91.2	89.2	129.5
(303. DEG K)	1250	91.1	94.3	98.4	100.8	101.2	99.9	97.4	95.5	92.5	90.3	131.5
TRET 71. DEG F	1600	91.4	94.9	96.7	99.6	100.6	99.9	98.0	96.0	92.7	90.1	131.1
(1295. DEG K)	2000	92.6	96.6	97.7	100.8	102.1	101.2	99.0	97.0	93.5	89.8	132.4
MACT 14.58 GM/M3	2500	94.9	98.1	99.9	102.8	103.1	102.7	100.5	97.8	94.7	90.8	133.8
(1.01458 KG/M3)	3150	99.1	102.4	104.4	105.7	108.3	107.9	106.7	105.3	101.7	94.8	139.1
NFA 1123. RPM	4000	101.0	105.5	106.1	107.7	110.0	110.1	107.9	106.3	102.6	96.2	140.8
(1227. RAD/SEC)	5000	101.9	105.5	106.5	107.6	108.9	107.8	105.6	102.0	98.5	94.7	139.3
NFK 11429. RPM	6300	102.2	106.2	107.7	108.6	109.1	104.7	107.0	103.3	100.7	96.7	140.3
(1197. RAD/SEC)	8000	103.8	107.6	108.8	110.0	109.8	109.3	107.6	104.5	101.6	97.6	141.3
NFD 11517. RPM	10000	102.9	108.3	110.3	110.4	110.8	111.1	109.3	106.7	103.8	99.3	142.8
(1206. RAD/SEC)	12500	102.3	108.1	110.0	110.5	110.8	110.6	109.9	106.2	103.3	99.9	142.8
NO. OF BLADES 18	16000	101.4	106.3	108.4	108.6	108.8	108.9	109.0	104.4	101.8	99.4	141.6
FAN TIP SPEED	20000	98.8	105.0	108.0	108.6	108.3	108.2	108.2	104.5	102.1	100.1	141.6
1023. FT/SEC	25000	98.5	105.2	107.0	107.6	107.9	107.2	107.1	103.8	101.6	100.2	141.4
	31500	96.6	103.7	106.2	106.7	106.5	106.9	106.5	103.2	100.9	99.4	141.6
	40000	91.0	101.0	103.6	104.6	104.3	104.4	104.4	100.8	98.3	96.8	140.8
	50000	86.1	97.6	99.7	100.2	102.0	101.3	101.8	96.3	94.8	92.4	139.1
	63000	86.1	91.4	93.2	93.1	95.8	95.2	94.9	89.5	87.5	84.0	135.2
	80000	91.3	91.6	91.4	92.0	92.5	92.4	92.9	90.0	82.5	80.4	137.3
OVERALL MEASURED												
OVERALL CALCULATED	115.3	118.4	119.8	120.4	120.7	120.4	119.3	116.3	113.5	110.7		183.2
PND8	125.3	128.6	129.5	130.7	132.0	131.7	129.8	127.7	124.5	119.9		

Run 31/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 17 YEAR 1960																
		MODEL SOUND PRESSURE LEVELS (99. DEC. F. 70 PERCENT REL. HUM. 84%)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
RADIAL	17. FT.																	
	(5. M)																	
VEHICLE	UTMSIM	100	100.0	93.8	87.8	86.8	88.0	86.5	88.3	88.3	87.3	89.5						124.1
CONFIG	CO4	125	101.0	96.5	96.3	96.3	95.5	96.0	95.3	93.0	91.0	90.8						129.8
LOC	SCHENECTADY	160	101.3	101.5	102.0	101.8	101.8	99.0	98.3	97.3	95.8	94.5						133.2
DATE	7/7/75	200	101.2	101.2	100.2	100.2	100.7	98.7	96.7	95.2	93.5	92.2						132.1
RUN	31/5	250	105.0	105.2	104.2	103.0	102.5	102.0	101.2	99.5	97.7	95.2						135.5
TAPE		315	104.0	106.0	106.0	105.2	103.7	103.0	102.2	101.0	98.7	98.2						136.7
BAR	29.6 HG	400	98.3	99.8	101.5	102.2	101.0	99.5	98.0	96.5	95.0	93.2						132.7
	100122. N/M21	500	94.3	95.5	96.5	96.5	95.2	94.5	93.0	91.0	89.0	87.3						127.5
TAMB	86. DEG F	630	93.8	96.5	97.0	98.0	96.7	95.6	94.0	92.0	89.8	88.0						128.5
	(303. DEG K)	800	92.3	94.3	97.0	97.5	97.0	95.8	94.3	92.8	90.2	88.5						128.4
T-MET	71. DEG F	1000	92.0	93.5	97.2	98.5	97.7	97.1	95.0	92.8	89.7	87.5						128.0
	(195. DEG K)	1250	91.3	93.3	98.0	101.3	101.0	99.3	97.3	94.8	91.3	88.5						131.2
HACT	14.58 GM/H3	1500	90.0	93.6	96.5	99.5	99.7	98.9	97.4	95.4	91.2	88.3						130.4
	(0.1458 KG/H3)	2000	92.0	95.3	97.3	101.2	101.7	100.6	98.1	96.2	92.5	88.3						131.9
NFA	10556. RPM	2500	94.8	98.1	100.5	103.2	103.7	103.1	99.9	98.4	94.0	89.6						134.1
	(1105. RAD/SEC)	3150	101.2	103.6	105.3	109.2	109.1	109.6	107.9	104.7	100.4	95.8						140.3
NFK	10292. RPM	4000	99.9	103.8	105.7	107.8	108.8	108.3	105.8	102.4	98.3	93.2						139.2
	(1078. RAD/SEC)	5000	101.1	104.2	105.9	107.7	107.7	106.7	104.5	101.6	97.5	92.9						138.5
NFD	11517. RPM	6300	103.6	106.6	108.8	110.8	110.2	109.2	106.9	103.7	100.4	96.2						141.2
	(1206. RAD/SEC)	8000	101.7	105.8	107.8	108.7	108.7	108.8	106.7	104.1	99.1	95.8						140.2
NO. OF BLADES	18	10000	102.0	107.0	109.4	109.9	110.4	110.3	109.0	105.8	100.8	97.5						142.0
FAN TIP SPEED	922. FT/SEC	12500	101.7	106.5	109.1	109.8	109.4	109.3	108.8	105.0	101.1	97.4						141.6
		16000	99.6	105.0	106.8	107.8	107.6	107.4	107.3	103.3	99.1	96.9						140.2
		20000	98.0	104.9	106.6	107.6	107.4	107.7	106.8	103.3	99.4	97.6						140.5
		25000	97.9	103.2	105.8	106.5	107.0	106.1	105.5	103.0	98.9	97.7						140.2
		31500	95.5	102.4	104.8	105.9	105.3	105.4	105.1	101.8	97.9	96.9						140.2
		40000	89.2	99.7	102.0	102.8	103.1	102.8	103.1	99.2	95.6	94.3						139.0
		50000	83.0	96.1	97.5	98.6	100.4	99.2	100.0	94.2	91.5	89.4						137.2
		63000	79.0	88.8	90.8	90.8	93.4	92.4	92.6	86.4	85.0	81.8						132.7
		80000	81.5	82.5	83.8	84.2	85.4	84.6	84.5	80.4	82.5	80.4						128.8
OVERALL MEASURED																		
OVERALL CALCULATED		114.1	117.1	118.8	120.0	119.9	119.9	118.2	115.2	111.4	108.8							192.1
PND8		125.0	127.6	129.4	131.3	131.3	131.1	129.2	126.5	122.7	118.9							

Run 31/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 16.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.78)	(1.05)	(1.22)	(1.48)	(1.57)	(1.75)	(1.92)	(0.	(0.	(10.	(10.	(10.	(10.	(10.	(10.)
RADIAL	17. FT.	50																
	(3. H)	63																
	80																	
VEHICLE	UTMSH	100	98.3	92.5	85.8	86.5	88.0	88.5	88.8	89.0	88.0	86.8						123.4
CONFIG	GO4	125	98.5	96.8	96.0	95.0	95.5	96.0	95.3	93.5	92.0	91.8						128.7
LOC	SCHENECTADY	160	103.8	107.5	107.3	108.0	105.8	100.5	98.5	96.8	96.8	97.3						137.3
DATE	7/7/75	200	100.2	101.0	100.0	99.7	98.7	98.2	96.5	93.7	92.2	91.2						131.3
RUN	31/6	250	104.2	104.0	103.2	102.0	102.0	101.5	101.2	99.7	97.7	95.5						134.9
TAPE		315	103.0	105.0	104.7	103.7	102.5	102.0	101.2	100.5	98.5	97.5						135.7
BAR	29.6 HG	400	97.0	98.0	100.5	101.5	99.7	98.8	96.8	95.5	93.7	92.5						131.7
	(100.122. N/M2)	500	93.5	94.5	95.5	95.0	93.7	93.3	91.5	90.3	88.0	86.0						128.2
TAMB	83. DEG F	630	93.3	95.3	96.5	96.0	96.0	95.1	92.8	91.3	88.8	87.3						127.6
	(301. DEG K)	800	92.0	94.0	97.0	97.3	96.5	95.6	93.0	91.3	89.5	87.5						127.9
THET	71. DEG F	1000	91.3	93.0	97.0	98.0	97.2	96.6	94.0	92.0	89.2	87.0						128.4
	(295. DEG K)	1250	90.0	92.8	98.3	100.5	100.2	95.8	96.1	93.8	90.5	88.0						130.5
HACT	15.45 GM/M3	1600	89.0	92.8	96.3	98.5	99.2	98.4	96.1	94.1	90.0	87.1						129.6
	(1.01345 KG/M3)	2000	91.0	94.8	97.0	101.0	100.5	99.4	97.1	95.2	91.2	87.3						131.0
NFA	9980. RPM	2500	95.0	98.3	100.8	104.2	103.9	102.9	99.9	97.7	93.7	89.8						134.3
	(1045. RAD/SEC)	3150	98.7	102.8	104.8	108.2	108.1	107.1	105.1	103.2	98.4	94.8						138.7
NFK	9757. RPM	4000	99.6	103.0	104.9	107.6	107.8	106.8	104.8	101.6	97.6	93.0						138.3
	(1022. RAD/SEC)	5000	100.1	103.9	105.1	107.2	107.5	105.7	104.0	101.1	97.0	92.9						137.9
NFD	11517. RPM	6300	102.6	106.1	107.8	110.0	110.2	108.6	106.8	103.2	98.9	95.7						140.7
	(1206. RAD/SEC)	8000	100.1	104.7	107.1	107.9	107.7	107.0	105.5	103.3	98.6	94.8						139.2
NO. OF BLADES	18	10000	101.3	106.9	108.4	109.3	109.1	108.7	106.9	104.8	99.8	96.5						140.8
FAN TIP SPEED	871. FT/SEC	12500	101.2	105.7	108.0	108.8	108.8	108.0	107.0	104.3	99.5	96.3						140.5
		16000	99.5	104.4	105.7	107.2	108.5	105.6	105.8	101.8	98.0	95.9						139.0
		20000	98.4	103.9	105.2	106.7	105.6	105.6	105.7	101.5	97.8	96.0						139.0
		25000	98.3	102.8	104.7	105.6	105.3	104.7	104.1	101.3	97.6	96.4						138.9
		31500	96.0	101.2	103.7	104.2	103.6	103.7	102.9	100.4	96.2	94.7						138.5
		40000	91.1	98.4	100.5	101.5	101.6	100.8	100.5	96.4	93.5	91.6						137.1
		50000	87.6	94.7	96.2	96.7	98.0	96.6	97.3	92.1	89.6	87.3						135.0
		63000	89.2	86.8	88.8	89.0	91.1	89.7	89.5	83.8	83.0	79.5						130.5
		80000	85.7	81.8	82.3	82.5	83.7	83.3	83.0	79.4	81.8	79.7						128.8
OVERALL MEASURED																		
OVERALL CALCULATED		113.5	116.8	118.2	119.5	119.1	118.2	116.9	114.2	110.4	108.1							151.1
PND8		124.0	127.1	128.8	130.7	130.6	129.5	127.5	125.4	121.4	118.3							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. ϕ 70 PERCENT REL. HUM. LAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SIDELINE 500. FT. (152.40 M)	50	70.9	78.0	81.6	83.9	82.1	84.1	84.3	82.7	81.8	80.1								63	68.9	72.4	74.8	76.6	78.1	78.7	76.6	75.0	72.6	71.2								80	72.8	76.2	77.8	78.6	79.9	81.9	81.6	80.3	78.4	75.7							NFA (2645. RPM)	100	70.6	76.3	78.5	79.1	79.1	79.7	80.0	80.1	77.7	76.7								125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0							(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9						
	63	68.9	72.4	74.8	76.6	78.1	78.7	76.6	75.0	72.6	71.2								80	72.8	76.2	77.8	78.6	79.9	81.9	81.6	80.3	78.4	75.7							NFA (2645. RPM)	100	70.6	76.3	78.5	79.1	79.1	79.7	80.0	80.1	77.7	76.7								125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0							(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																								
	80	72.8	76.2	77.8	78.6	79.9	81.9	81.6	80.3	78.4	75.7							NFA (2645. RPM)	100	70.6	76.3	78.5	79.1	79.1	79.7	80.0	80.1	77.7	76.7								125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0							(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																										
NFA (2645. RPM)	100	70.6	76.3	78.5	79.1	79.1	79.7	80.0	80.1	77.7	76.7								125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0							(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																												
	125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0							(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																														
(277. RAD/SEC)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8							NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																
NFK (2588. RPM)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4								250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																		
	250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6							(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																				
(271. RAD/SEC)	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9							NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																						
NFD (3244. RPM)	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4								500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																								
	500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2							(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																										
(340. RAD/SEC)	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7							AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																												
AIRFLOW RATIO NF/WM 12.60	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1							VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																														
VEHICLE CONFIG UTMSH CO4	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5							LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																
LOC SCHENECTADY	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6							DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																		
DATE 7/7/75	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4							RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																				
RUN 31/7	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3							TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																						
TAPE	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4							FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																								
FAN TIP SPEED 820. FT/SEC	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2								4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																										
	4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4								5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																												
	5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5								6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																														
	6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2								8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																																																
	8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4								10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																																																																		
	10000	15.6	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9							OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																																																																																				
OVERALL CALCULATED		78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3							PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																																																																																																						
PND8		82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

SIDELINE 200. FT. (60.96 M)	50	80.7	87.0	90.2	92.3	90.4	92.3	92.5	90.9	90.0	88.3								63	79.0	81.6	83.6	85.2	86.5	87.0	84.9	83.3	80.9	79.5								80	83.2	85.7	86.8	87.3	88.4	90.4	90.1	88.7	86.8	84.2								100	81.3	86.0	87.7	88.0	87.9	86.4	86.5	88.7	86.3	85.4								125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3								160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9						
	63	79.0	81.6	83.6	85.2	86.5	87.0	84.9	83.3	80.9	79.5								80	83.2	85.7	86.8	87.3	88.4	90.4	90.1	88.7	86.8	84.2								100	81.3	86.0	87.7	88.0	87.9	86.4	86.5	88.7	86.3	85.4								125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3								160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																								
	80	83.2	85.7	86.8	87.3	88.4	90.4	90.1	88.7	86.8	84.2								100	81.3	86.0	87.7	88.0	87.9	86.4	86.5	88.7	86.3	85.4								125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3								160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																										
	100	81.3	86.0	87.7	88.0	87.9	86.4	86.5	88.7	86.3	85.4								125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3								160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																												
	125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3								160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																														
	160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7								200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																
	200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4								250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																		
	250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8								315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																				
	315	68.1	74.5	80.8	84.0	84.4	84.0	82.4	80.3	76.7	74.2								400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																						
	400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9								500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																								
	500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8								630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																										
	630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5								800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																												
	800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2								1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																														
	1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8								1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																
	1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1								1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																		
	1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2								2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																				
	2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4								2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																						
	2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9								3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																								
	3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1								4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																										
	4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0								5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																												
	5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5								6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																														
	6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5								8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																																																
	8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5								10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																																																																		
	10000	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7							OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																																																																																				
OVERALL CALCULATED		89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	98.0	95.0							PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																																																																																																						
PND8		94.9	102.7	108.1	112.8	115.1	115.6	114.4	110.7	106.7	102.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

ORIGINAL PAGE VS
OF FLOOR QUALITY

Run: 31/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 9 DAY 17 HR. 17.0																	
		MODEL SOUND PRESSURE LEVELS (69. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	
	50																		
	63																		
	80																		
RADIAL	17. FT.	100	96.3	89.5	83.3	84.5	86.3	88.5	88.0	88.5	87.8	86.8							122.1
VEHICLE	UTMSIM	125	97.3	94.5	95.3	95.0	94.3	96.6	95.5	94.5	94.0	93.5							128.7
CONFIG	604	160	99.8	101.3	102.8	103.0	100.5	102.3	101.5	99.8	98.6	98.5							134.6
LOC	SCHENECTADY	200	97.7	96.7	96.2	96.7	96.5	97.0	94.2	92.0	90.2	89.2							128.7
DATE	7/7/75	250	102.5	101.2	99.7	98.2	98.7	99.2	99.2	97.5	96.2	94.0							132.3
RUN	31/8	315	101.0	101.2	100.5	98.7	98.0	98.0	98.0	97.0	95.5	94.5							131.8
TAPE		400	94.5	95.3	97.2	97.5	95.7	95.0	92.5	92.3	90.5	89.5							128.1
BAR	29.6 HG	500	92.5	91.0	91.3	90.3	89.5	89.0	87.5	86.0	84.0	82.3							122.3
	(100.22 N/M2)	630	92.0	92.8	93.3	94.0	92.5	90.8	88.8	87.0	85.3	83.5							124.3
TAMB	80. DEG F	800	90.8	91.5	94.8	95.3	94.2	92.6	90.3	88.8	86.2	84.3							125.5
	(300. DEG K)	1000	89.5	91.0	95.0	96.5	95.7	94.3	92.0	89.5	86.2	84.2							128.5
TRET	69. DEG F	1250	89.3	91.3	96.5	97.7	97.2	95.8	93.6	91.6	87.7	85.3							127.9
	(294. DEG K)	1600	88.0	91.6	96.3	97.3	97.2	95.6	93.6	91.1	87.7	84.6							127.6
HACT	14.57 GM/M3	2000	89.5	93.3	97.3	99.7	99.2	97.8	95.1	92.4	88.7	85.1							129.5
	(1.0457 KG/M3)	2500	95.5	99.1	102.3	105.2	104.9	105.6	102.6	100.4	96.0	91.1							136.1
NFA	8605. RPM	3150	95.5	99.1	102.8	105.7	105.9	104.3	101.6	98.9	94.4	90.3							135.9
	(922. RAD/SEC)	4000	96.4	100.2	103.4	105.8	105.8	104.3	101.3	97.9	94.3	89.7							135.9
NFK	8632. RPM	5000	100.8	104.4	107.3	108.0	108.2	106.9	105.8	102.3	98.6	93.7							139.1
	(904. RAD/SEC)	6300	98.1	101.6	104.1	105.8	105.2	104.1	102.3	98.9	94.4	90.4							138.2
NFD	11517. RPM	8000	97.1	102.0	104.9	105.9	106.2	105.5	103.7	99.8	95.4	92.0							137.1
	(1206. RAD/SEC)	10000	97.8	103.5	105.7	106.6	106.9	105.8	103.9	100.6	95.3	92.3							137.9
NG. OF BLADES	18	12500	97.7	102.5	105.3	105.1	105.9	105.1	104.0	99.8	95.6	92.1							137.5
FAN TIP SPEED	769. FT/SEC	16000	96.3	100.5	103.0	104.0	103.6	103.1	102.3	97.5	93.8	90.6							135.8
		20000	94.7	99.4	102.3	103.5	103.1	102.1	101.2	97.5	93.3	91.0							135.5
		25000	94.1	98.3	101.5	102.4	102.1	101.0	99.9	96.9	92.0	90.4							135.1
		31500	91.8	97.3	100.2	100.8	100.9	100.0	98.7	95.0	91.3	88.8							134.6
		40000	85.7	93.7	96.5	97.6	97.1	96.6	96.4	92.0	87.9	86.4							132.8
		50000	79.5	89.8	91.5	92.1	94.1	92.2	92.4	86.7	84.5	81.9							130.4
		63000	77.6	83.2	84.4	84.8	86.7	85.8	85.4	79.4	79.6	76.6							126.2
		80000	80.9	81.2	81.0	81.6	82.0	82.0	82.4	79.6	81.9	79.8							127.8
OVERALL MEASURED																			
OVERALL CALCULATED		111.0	113.5	115.8	117.0	116.8	116.0	114.4	111.3	108.0	105.5								148.5
PND8		122.4	125.3	127.9	129.0	128.9	127.9	126.3	123.4	119.9	116.1								

Run 31/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 YR. 1980										
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ.	20	30	40	50	60	70	80	90	100	110	120	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)
	50	60	70	80	90	100	110	120	130	140	150	160
RADIAL 17. FT.	100	96.8	90.0	84.5	86.0	87.5	89.0	89.5	90.0	89.5	88.0	123.2
VEHICLE (5: M) UTKSIM	125	104.0	103.3	104.3	103.5	101.0	102.3	101.3	97.8	96.3	96.8	139.0
CONFIG 604	160	101.8	102.0	103.8	102.5	100.8	102.0	100.8	98.3	96.5	96.6	134.4
LOC SCHENECTADY	200	97.5	95.0	95.0	95.5	95.7	95.5	93.7	91.5	89.5	88.6	127.7
DATE 7/7/75	250	101.5	98.5	97.2	96.7	97.2	98.0	97.7	96.7	95.3	93.3	130.8
RUN 31/9	315	99.2	98.2	97.5	95.7	95.0	95.8	95.5	95.0	93.8	93.3	129.4
TAPE	400	96.3	92.5	94.2	94.5	92.5	91.5	90.0	89.3	87.3	86.8	125.4
BAR 29.6 HG	500	92.5	89.3	89.5	86.3	87.5	87.0	85.5	84.0	82.0	80.3	124.6
(100122. N/M2)	630	92.5	92.0	93.3	93.3	92.0	91.1	88.8	86.8	84.3	82.0	124.0
TAMB 80. DEG F	800	90.8	91.5	93.8	95.0	94.2	93.1	90.5	88.5	86.3	84.1	129.3
(1300. DEG K)	1000	89.0	90.5	93.7	95.0	94.5	93.8	91.3	88.8	85.3	82.6	129.5
TWET 69. DEG F	1250	89.8	90.5	95.0	96.5	96.5	95.6	93.1	91.1	86.5	83.8	127.1
(294. DEG K)	1600	88.3	91.3	95.3	96.8	97.2	96.1	94.1	91.9	87.3	84.6	127.7
HACT 14.57 GM/M3	2000	89.3	93.1	97.5	98.5	98.2	97.4	95.1	92.9	88.5	84.9	129.0
(1.01457 KG/M3)	2500	93.3	98.1	101.8	103.2	104.2	103.6	101.4	98.7	94.5	90.1	134.6
NFA 8214. RPM	3150	93.7	97.6	101.5	103.7	103.4	103.3	100.1	96.9	93.5	89.1	134.2
(800. RAD/SEC)	4000	94.4	98.5	102.2	103.8	103.8	103.3	100.3	97.4	93.6	88.8	134.5
NFK 8053. RPM	5000	100.6	104.4	108.1	108.0	108.5	109.7	106.0	102.3	97.5	92.7	134.8
(843. RAD/SEC)	6300	95.9	99.9	102.8	104.3	103.7	103.1	100.3	96.7	92.7	89.0	134.7
NFD 11517. RPM	8000	95.9	100.7	103.8	105.2	104.7	104.7	103.0	98.8	94.2	90.1	136.1
(1206. RAD/SEC)	10000	95.0	101.7	104.2	104.6	104.6	104.0	102.2	97.8	93.9	90.6	135.9
NO. OF BLADES 18	12500	95.4	100.8	103.3	103.6	103.9	103.1	102.0	97.8	93.3	89.9	135.4
FAN TIP SPEED	16000	93.5	98.2	101.2	102.0	101.3	100.8	100.3	95.5	91.6	88.4	133.7
71.7. FT/SEC	20000	91.7	97.6	100.5	101.2	100.6	100.1	99.7	95.3	90.8	88.9	133.5
	25000	90.8	96.6	99.7	99.7	99.6	98.0	97.9	94.1	89.8	88.0	132.7
	31500	88.6	95.0	98.0	98.5	98.2	97.5	96.2	92.5	88.8	86.3	132.3
	40000	82.0	91.5	94.8	94.6	94.9	93.9	93.6	89.2	85.4	83.4	130.3
	50000	77.0	87.5	89.8	89.6	91.3	89.7	89.9	83.7	81.5	78.7	127.8
	63000	76.1	80.9	81.9	82.3	84.5	83.3	83.4	77.7	74.1	70.9	123.7
	80000	80.9	81.2	81.0	81.6	82.0	82.0	82.4	79.6	71.9	70.4	126.8
OVERALL MEASURED												
OVERALL CALCULATED	110.9	112.6	115.2	115.7	115.5	115.6	113.5	110.1	106.7	104.5		147.4
PNDB	122.0	124.8	127.9	128.3	128.4	128.6	125.9	122.8	118.8	115.1		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	
SIDELINE 500. FT. (152.40 M)	50	71.9	76.5	80.9	81.4	80.8	82.9	82.0	79.7	77.8	77.4
NFA 2314. RPM (242. RAD/SEC)	63	67.2	69.1	71.8	74.1	75.6	76.2	74.9	72.7	70.6	69.2
NFK 2288. RPM (237. RAD/SEC)	80	70.6	72.2	73.8	75.1	76.9	78.4	78.6	77.8	76.2	73.7
NFD 3244. RPM (340. RAD/SEC)	100	67.9	71.6	73.7	73.9	74.4	76.0	76.2	75.9	74.5	73.5
AIRFLOW RATIO	125	64.3	65.5	70.2	72.4	71.7	71.6	70.5	69.9	67.8	66.8
WF/WH 12:60	160	60.0	61.8	65.1	65.9	66.4	66.8	65.8	64.5	62.3	60.1
VEHICLE CONFIG	200	59.5	64.2	68.6	70.6	70.7	70.7	68.9	67.0	64.4	62.4
LOC SCHENECTADY	250	57.2	63.2	68.7	72.1	72.7	72.4	70.4	68.6	66.2	63.4
DATE 7/7/75	315	54.8	61.8	68.4	71.8	72.7	73.0	70.9	68.6	64.9	61.7
RUN 31/9	400	54.9	61.4	69.3	73.0	74.4	74.5	72.5	70.7	66.0	62.7
TAPE	500	53.7	63.4	71.4	74.6	75.9	76.0	74.3	72.3	67.7	63.5
FAN TIP SPEED 71.7. FT/SEC	630	57.0	67.9	75.2	79.0	81.5	82.0	80.3	77.8	73.4	68.5
OVERALL CALCULATED	800	56.6	66.8	74.5	79.1	80.4	81.4	78.8	75.8	72.1	67.2
PNDP	1000	56.4	67.1	74.7	78.8	80.5	81.0	78.7	75.9	72.0	66.5
	1250	61.5	72.3	80.1	82.6	84.8	87.1	84.0	80.5	75.5	70.1
	1600	55.6	66.9	74.1	78.3	79.5	80.1	77.9	74.5	70.3	66.0
	2000	54.3	66.9	74.3	78.7	80.0	81.3	80.1	76.2	71.4	66.6
	2500	52.2	67.1	74.2	77.6	79.5	80.2	79.0	74.9	70.7	66.8
	3150	50.6	64.8	72.4	75.8	78.1	78.6	78.3	74.3	69.6	65.5
	4000	45.8	60.3	68.9	73.1	74.6	75.5	75.8	71.3	67.0	63.2
	5000	42.4	58.9	67.6	71.9	73.6	74.5	75.0	70.8	66.1	63.3
	6300	38.6	54.6	64.5	68.5	71.0	71.1	71.8	68.3	63.7	61.0
	8000	26.7	48.1	59.0	64.4	67.1	68.3	68.1	64.7	60.7	57.2
	10000	9.5	37.7	50.9	56.5	60.5	61.7	62.7	58.7	54.5	51.2
	OVERALL CALCULATED	76.8	81.8	87.4	90.1	91.6	92.8	91.2	88.4	85.0	82.4
	PNDP	78.9	90.2	97.4	100.9	102.6	103.4	102.3	98.9	94.6	90.8

SIDELINE 200. FT. (60.96 M)	50	81.7	85.5	89.5	89.8	89.1	91.1	90.3	87.9	86.0	85.7
	63	77.2	78.3	80.6	82.7	84.0	84.5	83.2	81.1	79.0	77.6
	80	81.0	81.7	82.8	83.8	85.4	86.9	87.1	86.2	84.6	82.2
	100	75.5	81.3	82.9	82.8	83.1	84.6	84.8	84.4	83.1	82.2
	125	75.3	75.4	79.5	81.4	80.5	80.3	79.2	78.6	76.5	75.6
	160	71.3	72.0	74.7	75.1	75.5	75.7	74.7	73.3	71.2	69.0
	200	71.1	74.6	78.3	80.0	79.9	79.7	77.9	76.0	73.4	71.5
	250	69.1	73.9	78.7	81.6	82.0	81.6	79.5	77.7	75.3	72.6
	315	67.1	72.8	78.5	81.5	82.2	82.3	80.2	77.8	74.2	71.0
	400	67.6	72.6	79.7	82.9	84.1	84.0	81.9	80.1	75.4	72.2
	500	66.8	74.9	82.1	84.8	85.7	85.7	83.9	81.8	77.3	73.2
	630	70.5	79.7	86.1	89.4	91.6	91.8	90.0	87.5	83.2	78.3
	800	70.6	79.0	85.7	89.7	90.7	91.4	88.7	85.7	82.0	77.2
	1000	70.9	79.7	86.2	89.7	91.0	91.3	88.8	86.0	82.1	76.8
	1250	76.7	85.4	91.9	93.7	95.5	97.6	94.4	90.9	85.9	80.6
	1600	71.5	80.5	86.4	89.8	90.6	90.9	88.6	85.1	80.9	76.8
	2000	71.1	81.1	87.1	90.8	91.4	92.4	91.1	87.2	82.3	77.8
	2500	69.8	81.8	87.4	89.9	91.3	91.6	90.3	86.1	82.0	78.2
	3150	69.5	80.5	86.3	88.7	90.4	90.5	90.0	85.9	81.3	77.4
	4000	66.6	77.4	83.9	86.9	87.7	88.2	88.2	83.8	79.4	75.8
	5000	64.4	76.7	83.2	86.2	87.1	87.6	87.8	83.5	78.9	76.4
	6300	62.0	74.8	81.9	84.3	85.9	85.3	85.8	82.2	77.7	75.3
	8000	57.2	71.8	79.2	82.5	84.0	84.5	83.9	80.3	76.5	73.3
	10000	47.2	66.3	74.8	77.8	80.2	80.5	81.0	76.8	72.7	70.0
	OVERALL CALCULATED	87.9	93.3	98.7	101.1	102.3	103.2	101.5	98.4	94.8	91.9
	PNDP	95.2	104.7	110.5	113.1	114.4	114.8	113.8	110.2	106.0	102.4

ORIGINAL PAGE IS OF POOR QUALITY

Run 31/Reading 10

PAGE 1	FULL SCALE DATA REDUCTION PROGRAM	PROC. DATE = MONTH 7 DAY 17 HR. 17.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLE FROM INLET IN DEGREES (AND RADIAN)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
	50																	
	63																	
RADIAL	17. FT.																	
	(5. M)	100	91.8	87.3	81.5	83.5	85.0	86.5	87.3	87.3	87.8	86.8						
VEHICLE	UTMSIM	125	96.5	94.8	95.0	95.8	93.8	94.3	93.3	92.1	91.0	92.3						
CONFIG	GO4	160	93.8	93.5	94.3	94.5	92.5	93.0	92.0	90.6	89.3	89.1						
LOC	SCHENECTADY	200	93.5	90.2	90.2	90.7	91.5	90.5	88.5	86.0	84.5	83.1						
DATE	7/7/75	250	96.7	94.0	92.7	91.0	91.0	92.0	91.7	90.3	88.8	86.8						
RUN	31/10	315	95.0	93.7	92.2	91.0	89.5	89.8	89.0	88.8	86.8	86.6						
TAPE		400	89.8	87.5	89.2	89.2	87.2	86.3	84.0	83.1	81.3	79.8						
BAR	29.6 HG	500	87.3	85.5	84.8	83.8	83.0	82.3	80.8	78.8	77.3	75.1						
	(100.22. N/M2)	630	88.3	89.0	89.5	89.5	88.2	87.1	84.5	82.8	80.5	78.3						
TAMB	80. DEG F	800	86.5	89.3	90.8	91.3	90.2	88.8	86.5	84.3	81.5	79.3						
	(300. DEG K)	1000	85.3	87.8	90.0	91.0	90.0	89.1	86.8	83.8	80.3	77.8						
TNET	69. DEG F	1250	85.0	88.0	92.5	93.7	92.5	90.8	89.3	86.6	82.5	79.1						
	(294. DEG K)	1600	85.0	89.3	93.3	94.3	93.2	92.1	89.9	87.7	83.3	79.9						
HACT	14.57 GM/M3	2000	89.3	93.8	98.8	99.5	98.5	97.4	94.9	92.7	88.8	83.6						
	(0.457 KG/M3)	2500	91.0	94.6	99.0	100.7	99.7	98.4	95.9	93.2	88.8	84.4						
NFA	7061. RPM	3150	90.7	94.1	97.3	100.4	99.1	97.8	94.9	92.7	88.0	83.9						
	(739. RAD/SEC)	4000	97.1	100.0	104.9	106.6	107.0	104.6	99.8	96.7	91.1	90.8						
NFK	8922. RPM	5000	94.6	98.2	101.6	102.5	101.7	100.2	96.5	93.4	89.0	86.0						
	(725. RAD/SEC)	6300	92.9	95.9	100.1	101.5	100.4	99.6	97.1	93.2	89.2	85.8						
NFD	11517. RPM	8000	92.9	97.2	100.4	100.9	100.2	99.5	96.5	92.1	88.2	85.1						
	(1206. RAD/SEC)	10000	92.3	97.5	100.7	101.3	100.6	99.3	97.2	93.1	88.1	85.1						
NO. OF BLADES	18	12500	92.2	96.5	99.5	100.1	99.9	98.8	97.3	92.3	87.3	84.2						
FAN TIP SPEED	16000	20000	90.3	94.2	97.0	98.0	96.8	96.1	95.6	89.6	85.1	82.2						
	616. FT/SEC	25000	88.4	93.4	96.3	96.5	96.1	95.3	94.5	89.1	84.6	81.1						
		31500	87.1	92.1	94.2	95.2	94.9	94.0	92.4	88.2	83.1	80.2						
		40000	84.6	90.5	93.2	93.8	93.4	92.8	91.0	86.8	82.1	78.8						
		50000	78.5	87.5	89.5	90.3	89.6	89.1	88.1	83.0	78.7	75.9						
		63000	74.7	83.0	85.3	85.8	86.8	84.9	84.7	78.5	74.8	71.9						
		80000	75.6	78.7	78.9	79.1	80.7	80.5	77.2	70.7	70.1	66.7						
			80.9	81.2	81.0	81.6	82.0	82.0	72.4	69.6	71.9	69.9						
OVERALL MEASURED																		
OVERALL CALCULATED			106.4	108.4	111.5	112.6	112.1	110.8	108.2	104.9	101.2	99.4					143.3	
	PND8		118.9	121.3	125.1	126.5	126.3	124.6	121.0	118.1	113.7	112.0						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
SIDELINE 900. FT. (152.40 M)NPA 1989. RPM (208. RAD/SEC)	50	63.9	68.0	71.4	73.4	72.6	73.9	73.3	72.0	70.6	69.9
	63	63.2	64.4	67.1	69.4	71.4	71.2	69.6	67.3	65.6	63.7
	80	65.8	67.7	69.3	69.4	70.6	72.4	72.6	71.3	69.7	67.2
	100	63.6	67.1	68.5	69.1	68.9	70.0	69.7	69.7	67.5	66.8
	125	57.8	60.5	65.2	67.1	66.4	66.3	64.5	63.7	61.8	59.8
	160	54.8	58.1	60.4	61.4	61.9	62.1	61.1	59.3	57.6	54.9
NPK 1950. RPM (204. RAD/SEC)	200	55.2	61.2	64.8	66.9	67.0	66.7	64.6	63.1	60.6	57.9
	250	52.9	61.0	65.7	68.3	68.7	68.2	66.4	64.4	61.4	58.7
NFD 3244. RPM (340. RAD/SEC)	315	51.0	59.1	64.6	67.8	68.2	68.2	66.5	63.7	59.9	57.0
	400	50.1	58.9	66.8	70.2	70.4	69.7	68.8	66.2	62.0	58.0
AIRFLOW RATIO WF/WH 12.60	500	49.5	59.6	67.1	70.4	70.9	70.7	69.0	67.0	62.5	58.5
	630	53.0	63.6	72.2	75.3	75.8	75.7	73.8	71.8	67.7	62.0
	800	53.8	63.8	72.0	76.1	76.7	76.4	74.5	72.0	67.4	62.4
VEHICLE CONFIG UTS:IM GO4	1000	52.7	62.6	69.7	75.4	75.8	75.5	73.2	71.2	66.3	61.6
LOC SCHENECTADY DATE 7/7/75	1250	58.1	67.9	76.9	81.1	83.3	82.1	77.8	74.9	69.1	68.2
	1600	54.2	65.2	72.9	76.5	77.5	77.1	74.1	71.1	66.6	62.9
RUN 31/10	2000	51.2	61.9	70.6	74.9	75.7	76.1	74.2	70.5	66.3	62.2
TAPE	2500	50.0	62.5	70.3	73.8	75.0	75.5	73.2	69.1	64.9	61.1
FAN TIP SPEED 616. FT/SEC	3150	47.3	61.3	69.6	73.4	74.7	74.6	73.3	69.4	64.2	60.5
	4000	44.1	58.3	66.9	70.9	72.6	73.2	72.4	67.7	62.5	58.5
	5000	40.6	55.0	63.6	68.3	69.4	70.1	70.4	64.6	59.9	56.2
	6300	33.6	50.8	60.4	64.7	66.9	67.8	67.8	62.7	57.9	53.5
	8000	24.3	44.2	54.4	60.2	62.9	63.9	63.4	58.5	54.0	50.1
	10000	10.7	35.4	47.9	54.3	57.6	59.2	58.7	54.9	49.8	45.3
OVERALL CALCULATED PNDB	71.5	76.9	83.2	86.8	88.0	87.7	85.5	82.8	79.1	76.8	
	75.2	86.0	93.8	97.5	98.7	98.8	97.2	93.8	89.1	85.4	
SIDELINE 200. FT. (60.96 M)	50	73.7	77.0	80.0	81.8	80.9	82.1	81.5	80.2	78.6	78.2
	63	73.2	73.6	75.9	78.0	79.8	79.5	77.9	75.6	74.0	72.1
	80	76.2	77.2	78.3	78.1	79.2	80.9	81.1	79.6	78.1	75.7
	100	74.3	76.8	77.7	78.0	77.6	78.6	78.3	78.2	76.1	75.4
	125	68.8	70.4	74.5	76.2	75.3	75.1	73.2	72.4	70.5	68.6
	160	66.1	68.2	69.9	70.6	71.0	71.0	69.9	68.1	66.4	63.8
	200	66.8	71.6	74.6	76.2	76.1	75.7	73.6	72.0	69.6	67.0
	250	64.9	71.7	75.7	77.9	78.0	77.4	75.5	73.5	70.5	67.9
	315	63.3	70.0	74.8	77.5	77.7	77.5	75.7	72.9	69.2	66.3
	400	62.8	70.1	77.2	80.1	80.1	79.2	78.2	75.6	71.4	67.5
	500	62.5	71.2	77.8	80.5	80.7	80.4	78.6	76.6	72.0	68.2
	630	66.5	75.5	83.1	85.6	85.9	85.5	83.5	81.5	77.4	71.8
	800	67.8	76.0	83.2	86.7	87.0	86.4	84.4	81.9	77.3	72.5
	1000	67.2	75.3	81.3	86.3	86.3	85.8	83.3	81.3	76.4	71.8
	1250	73.2	80.9	88.7	92.3	94.1	92.6	88.2	85.2	79.5	78.7
	1600	70.1	78.8	85.2	88.0	88.6	87.9	84.7	81.7	77.2	73.7
	2000	67.9	76.1	83.4	86.8	87.1	87.2	85.2	81.4	77.3	73.3
	2500	67.5	77.2	83.5	86.1	86.7	86.9	84.4	80.3	76.1	72.6
	3150	66.1	77.0	83.5	86.3	87.0	86.5	85.0	81.1	75.9	72.4
	4000	64.9	75.3	81.9	84.6	85.9	85.8	84.8	80.0	74.9	71.2
	5000	62.6	72.9	79.2	82.6	82.9	83.1	83.2	77.4	72.7	69.3
	6300	58.9	70.9	77.7	80.5	81.7	82.0	81.8	76.5	71.9	67.8
	8000	54.8	67.9	74.5	78.3	79.8	80.1	79.1	75.1	69.8	66.3
	10000	48.4	64.0	71.9	75.6	77.4	78.0	76.9	73.0	68.0	64.1
OVERALL CALCULATED PNDB	83.2	88.9	95.0	98.0	98.9	98.4	96.1	93.0	89.0	86.3	
	91.8	100.8	107.1	110.0	110.7	110.4	108.7	105.1	100.8	97.0	

Run 32/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 14.7													
		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM. DAY)													
		ANGLES FROM INLET IN DEGREES (AND RADIAN)													
		PWL													
FREQ.		10.35	10.52	10.70	10.87	11.05	11.22	11.40	11.57	11.75	11.92	12.10	12.28	12.45	12.63
50															
63															
80															
100		95.5	89.8	83.3	84.5	86.0	87.8	88.3	88.5	88.0	86.6				122.0
125		96.0	93.5	94.3	93.5	92.5	94.8	94.3	92.8	92.8	92.8				127.3
150		99.8	100.3	102.5	101.8	99.5	101.5	100.8	99.0	98.3	97.8				133.9
175		97.5	95.7	95.5	95.5	95.0	95.0	92.7	90.7	88.5	87.6				127.4
200		101.7	99.7	97.7	96.7	97.7	98.5	98.0	96.7	95.5	93.3				131.2
250		100.0	100.2	99.5	98.0	97.2	97.5	97.5	96.7	95.0	94.6				131.2
315		95.5	94.3	96.2	96.2	94.7	94.0	92.3	91.8	90.3	88.6				127.3
400		92.0	90.8	90.8	89.5	89.0	88.0	87.5	86.0	84.0	81.6				121.9
500		92.3	91.8	92.8	92.3	91.2	89.8	88.5	87.0	84.8	83.1				123.5
630		91.3	91.8	94.0	94.3	93.0	92.1	89.5	88.0	85.3	83.6				124.8
800		89.3	90.5	94.2	94.5	94.2	92.8	90.8	88.5	85.0	82.6				125.2
1000		88.8	90.8	94.8	95.8	95.2	94.1	91.8	89.3	85.8	82.8				128.1
1250		86.8	89.6	93.0	94.5	94.5	92.9	90.6	88.6	84.8	81.9				125.0
1500		88.3	91.8	94.5	96.0	94.7	92.6	90.4	87.9	84.8	81.6				125.6
1750		93.5	96.3	99.0	101.2	99.2	99.4	96.4	92.9	88.8	84.1				130.8
2000		94.2	97.3	98.3	100.7	100.2	97.3	94.4	92.0	87.7	84.4				130.9
2500		94.9	98.3	99.4	101.1	101.6	98.3	95.3	92.2	88.6	85.1				131.3
3150		98.6	101.2	102.6	103.5	104.2	100.7	97.8	94.1	90.8	87.3				134.0
4000		96.1	98.1	100.1	101.3	100.4	97.9	94.9	91.4	88.0	85.3				131.1
5000		95.2	98.5	100.9	101.9	101.4	100.3	97.5	93.4	89.4	86.6				132.4
6300		95.0	99.5	101.4	101.6	101.6	99.8	97.5	93.6	89.4	86.4				132.6
8000		94.9	98.5	100.8	100.9	101.1	99.1	97.3	93.3	89.1	86.4				132.3
10000		93.1	97.0	99.3	99.3	99.1	98.4	97.3	92.8	88.6	86.2				131.4
12500		92.0	96.4	98.8	99.6	98.9	98.4	97.3	92.8	88.6	86.9				131.7
15000		91.2	95.7	97.8	98.5	98.7	97.6	96.5	93.2	88.6	87.1				131.7
17500		88.5	94.4	96.6	97.4	97.3	96.6	95.6	92.1	87.5	85.7				131.4
20000		82.4	91.4	93.7	94.5	94.3	94.1	93.3	89.4	85.3	83.1				130.1
25000		77.8	87.8	89.5	89.9	91.4	89.7	90.5	85.0	81.8	79.2				128.1
31500		78.5	81.9	82.8	82.8	84.9	84.2	84.1	78.6	75.3	72.1				124.5
40000		81.5	81.8	81.6	82.2	82.7	82.6	83.0	80.2	72.6	72.0				127.5
OVERALL MEASURED															
OVERALL CALCULATED		109.7	111.0	112.6	113.1	112.8	111.5	109.8	107.1	104.7	103.2				144.8
PNDB		120.9	122.8	124.3	125.1	125.1	122.9	120.4	117.5	114.5	111.6				

Run 32/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE = MONTH ? DAY 17 MR. 1967

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. 5AV)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
SIDELINE	500. Ft.	69.9	74.7	79.6	80.6	79.6	82.4	82.0	80.4	79.6	78.7								(152.40 M)	67.2	69.9	72.3	74.1	74.9	75.7	73.9	72.0	69.6	68.2							NFA	2500. RPM	70.8	73.5	74.3	75.1	77.4	78.9	78.9	77.8	76.4	73.7								(262. RAD/SEC)	68.6	73.6	75.7	76.1	76.6	77.7	78.2	77.6	75.7	74.8							NFK	2433. RPM	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5						
	(152.40 M)	67.2	69.9	72.3	74.1	74.9	75.7	73.9	72.0	69.6	68.2							NFA	2500. RPM	70.8	73.5	74.3	75.1	77.4	78.9	78.9	77.8	76.4	73.7								(262. RAD/SEC)	68.6	73.6	75.7	76.1	76.6	77.7	78.2	77.6	75.7	74.8							NFK	2433. RPM	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																								
NFA	2500. RPM	70.8	73.5	74.3	75.1	77.4	78.9	78.9	77.8	76.4	73.7								(262. RAD/SEC)	68.6	73.6	75.7	76.1	76.6	77.7	78.2	77.6	75.7	74.8							NFK	2433. RPM	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																										
	(262. RAD/SEC)	68.6	73.6	75.7	76.1	76.6	77.7	78.2	77.6	75.7	74.8							NFK	2433. RPM	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																												
NFK	2433. RPM	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																														
	(255. RAD/SEC)	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4							NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																
NFD	3244. RPM	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																		
	(340. RAD/SEC)	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9							AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																				
AIRFLOW RATIO	5.0	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7							WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																						
WF/WM	12.60	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7							VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																								
VEHICLE CONFIG	UTS/M	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																										
	604	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0							LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																												
LOC	SCHENECTADY	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2							DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																														
DATE	7/7/75	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1							RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																
RUN	32/1	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4							TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																		
TAPE		58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1							FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																				
FAN TIP SPEED	775. FT/SEC	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																						
	5000	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																								
	6300	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																										
	8000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																												
	10000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3							OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																														
OVERALL CALCULATED		37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																
	PND8	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0									14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																		
		14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2									76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																				
		76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2									78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9							SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SIDELINE	200. Ft.	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	(60.96 M)	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	100	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	125	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	150	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	200	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	250	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	315	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	400	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	500	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	630	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	800	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	1000	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	1250	70.7	78.5	82.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	1600	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	2000	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	2500	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	3150	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	4000	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	5000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	6300	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	8000	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	10000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1							OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
OVERALL CALCULATED		52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	PND8	87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2									84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		84.8	90.2	94.4	97.0	97.1	97.4	96.0	94.8	92.7	90.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

ORIGINAL PAGE IS OF POOR QUALITY

Run 32/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 17 NR. 16.0																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	120	0.	0.	0.	0.	0.	0.	PdL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
RADIAL	17. FT.	50																	
	(5. M)	60																	
VEHICLE	UTMSIM	100	97.8	93.8	85.3	85.3	86.8	88.0	88.8	89.3	88.5	86.8							123.4
CONFIG	604	125	98.3	96.0	93.5	93.3	93.0	94.5	93.8	92.5	92.5	92.3							127.5
LOC	SCHENECTADY	180	100.8	102.3	103.3	103.8	101.3	102.5	101.8	100.0	99.3	97.6							139.1
DATE	7/7/75	230	99.2	97.7	96.7	96.7	97.0	96.5	94.0	92.2	90.3	89.3							129.0
RUN	32/2	250	103.2	101.2	99.5	98.5	99.0	99.7	99.2	97.7	96.3	94.3							132.8
TAPE		315	101.7	102.2	101.2	99.7	98.7	99.5	99.2	99.0	96.8	96.3							133.1
BAR	29.6 HG	400	97.0	95.8	97.5	98.2	96.5	95.3	94.3	93.5	91.8	90.3							128.9
	(99856. N/M2)	530	93.8	93.0	92.8	91.5	91.0	90.5	89.0	87.8	86.0	84.3							123.9
TAMB	88. DEG F	630	93.8	93.5	94.3	94.0	93.0	92.1	90.3	88.8	86.8	85.3							125.3
		800	92.5	93.0	95.5	95.5	94.7	93.6	91.5	89.5	87.3	85.8							126.3
	(304. DEG K)	1000	90.5	92.0	95.5	96.0	95.5	93.8	91.8	89.5	86.8	84.6							126.4
TaET	72. DEG F	1250	89.8	91.3	96.3	98.3	97.0	95.6	93.8	91.1	87.3	84.6							127.9
	(295. DEG K)	1600	87.5	90.6	93.8	96.0	96.0	94.4	92.6	90.4	86.8	83.9							126.5
HACT	14.92 CM/M3	2000	89.0	92.6	94.8	97.7	95.7	93.9	91.8	89.2	86.0	83.4							126.8
	(1.01492 KG/M3)	2500	93.3	96.6	98.3	100.7	98.7	96.9	94.1	91.2	87.8	84.4							127.8
NFA	9470. RPM	3150	95.5	98.3	100.0	102.2	101.7	99.3	96.1	93.5	89.5	85.6							127.8
	(992. RAD/SEC)	4000	96.6	99.8	100.7	102.8	102.6	100.3	97.1	94.2	90.9	86.6							131.0
NFK	9216. RPM	5000	97.6	101.0	102.4	104.2	103.2	101.7	98.5	95.4	91.8	88.0							132.0
	(965. RAD/SEC)	6300	99.4	101.6	102.8	104.8	103.2	101.4	98.6	95.2	91.7	88.8							134.1
NFD	11517. RPM	8000	96.9	100.8	101.6	102.9	102.4	102.0	98.5	95.6	91.9	88.4							134.4
	(1206. RAD/SEC)	10000	96.3	101.3	102.7	103.4	103.4	102.0	99.5	96.3	91.9	89.4							133.6
NO. OF BLADES	18	12500	96.9	101.3	102.6	103.1	102.6	101.8	99.5	96.3	92.1	89.4							134.5
FAN TYP SPEED		16000	95.6	99.5	100.8	101.8	101.1	99.9	99.1	95.3	91.9	89.2							134.4
	(82. FT/SEC)	20000	93.5	98.9	100.8	101.3	100.9	100.2	99.0	95.8	91.9	89.9							133.4
		25000	92.9	98.4	99.6	100.5	100.5	99.1	98.5	95.7	91.9	90.3							133.7
		31500	91.0	96.7	98.8	99.7	99.3	99.1	97.6	94.8	91.0	89.2							133.7
		40000	84.4	93.7	95.7	96.0	96.3	95.8	96.1	91.7	88.8	86.6							132.2
		50000	79.8	90.3	91.8	92.4	93.1	92.5	93.0	88.0	85.1	82.7							138.8
		63000	77.5	84.1	84.8	85.3	87.4	86.2	86.6	80.9	77.8	75.1							126.8
		80000	81.5	81.8	81.6	82.2	82.7	82.8	83.0	80.2	72.8	71.3							127.5
OVERALL MEASURED																			
OVERALL CALCULATED			111.2	112.6	113.8	114.8	114.1	113.1	111.4	108.9	108.4	104.5							148.4
PND8			121.6	123.7	124.9	126.4	125.6	124.1	121.6	118.9	115.9	112.9							

Run 32/Reading 3

PAGE 1 PULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (50, DEC. P. 70 PERCENT REL. HUM. DAY)													PROC. DATE - MONTH 7 DAY 17 MR. 1968				
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PHL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL	17. FT.																		
	1 5. M)	100	98.8	95.8	88.8	85.3	86.8	88.0	88.3	88.8	87.8	86.3							124.0
VEHICLE	UTMSIM	125	89.0	97.3	95.0	94.5	93.5	94.0	93.0	91.8	91.0	91.0							127.8
CONFIG	CO4	160	101.8	105.0	104.5	105.0	103.0	98.5	95.8	94.8	93.8	94.0							134.8
LOC	SCHENECTADY	200	99.5	100.0	98.7	98.7	98.2	97.2	95.0	93.0	91.0	90.0							130.3
DATE	7/7/75	250	103.7	102.7	101.2	100.2	100.2	100.2	100.0	98.5	96.2	94.0							133.5
RUN	32/3	315	102.7	104.2	104.0	102.2	101.2	100.8	100.7	99.5	98.2	97.0							134.8
TAPE		400	97.8	97.8	99.5	99.7	98.5	97.5	95.5	94.8	92.5	91.2							130.8
BAR	29.6 HG	530	94.8	95.0	94.8	94.0	93.2	92.5	90.5	89.5	87.2	85.5							125.8
	(99.556. N/M2)	630	94.3	95.3	96.0	95.8	95.0	93.8	92.0	90.5	88.0	86.5							127.0
TAMB	91. DEG F	800	94.0	94.0	96.3	97.3	96.0	94.8	92.5	90.8	88.5	87.0							127.8
	(306. DEG K)	1000	91.5	92.8	95.8	97.3	96.2	95.1	92.8	90.5	88.0	85.5							127.4
T-ET	73. DEG F	1250	90.8	91.8	97.3	99.5	98.7	97.1	94.3	92.1	88.8	86.0							129.2
	(296. DEG K)	1600	88.8	92.1	94.3	97.3	96.5	95.4	93.4	91.9	87.7	84.8							127.4
HACT	14.97 GM/MS	2000	91.3	93.3	94.5	98.5	96.7	95.1	92.4	90.7	87.0	84.1							127.8
	(1.01497 KG/MS)	2500	94.3	96.8	97.0	100.7	98.7	96.4	93.9	91.4	88.2	85.1							129.8
NFA	10046. RPM	3150	97.7	100.1	101.0	103.4	102.9	100.3	97.1	95.0	90.9	87.3							133.2
	(1052. RAD/SEC)	4000	98.7	101.3	101.9	104.1	104.1	101.8	98.6	95.4	91.9	87.8							134.2
NFK	9750. RPM	5000	99.1	102.0	102.6	104.7	104.2	102.2	99.0	96.1	93.3	88.9							134.8
	(1021. RAD/SEC)	6300	101.4	103.9	104.6	107.0	106.7	104.4	99.8	96.2	93.7	91.2							136.9
NFD	11517. RPM	8000	98.2	101.8	103.4	103.7	103.7	103.0	101.0	97.4	93.9	90.1							135.1
	(1206. RAD/SEC)	10000	98.8	103.0	104.5	104.6	104.6	104.3	102.2	98.9	94.9	91.3							136.3
NO. OF BLADES	18	12500	98.5	102.6	103.6	103.9	103.7	102.9	101.8	97.1	93.9	91.2							135.8
FAN TIP SPEED		16000	97.6	101.0	102.8	103.3	102.4	101.7	101.4	97.1	93.6	91.0							139.1
	87. FT/SEC	20000	94.5	100.2	102.4	102.8	101.7	101.9	101.3	97.4	93.9	91.8							139.3
		25000	94.7	99.5	101.9	102.3	102.0	101.2	100.5	97.5	93.6	92.0							139.5
		31500	92.5	98.0	101.2	101.2	100.4	100.7	99.7	96.7	92.7	91.2							135.4
		40000	86.8	95.3	98.1	98.8	98.7	97.7	97.9	93.5	90.9	88.9							134.4
		50000	81.2	92.2	93.9	94.5	95.5	94.6	95.4	89.6	87.7	85.0							132.8
		63000	77.9	85.0	86.5	87.0	88.3	88.1	88.0	82.3	81.9	78.7							128.4
		80000	81.8	82.1	81.9	82.8	82.9	83.1	83.3	80.5	82.8	80.7							128.8
	OVERALL MEASURED																		
	OVERALL CALCULATED	112.4	114.5	115.3	116.2	115.6	114.3	112.6	109.7	106.9	104.9								147.8
	PND8	123.2	125.3	126.0	127.8	127.3	125.4	122.5	119.9	116.9	114.2								

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F = 70 PERCENT REL. HUM. LAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)
SIDELINE 500. FT. (152.40 M)	50	71.9	79.5	81.8	83.9	83.1	79.4	77.9	76.2	75.0	74.9						
	63	69.2	74.1	75.6	77.4	78.1	77.9	76.1	74.2	72.1	70.7						
	80	72.8	76.5	77.8	78.6	79.9	80.7	80.9	79.5	77.1	74.4						
NFA 2830. RPM	100	71.4	77.6	80.2	80.4	80.6	81.0	81.5	80.4	78.9	77.2						
(296. RAD/SEC)	125	65.3	70.7	75.4	77.6	77.7	77.6	76.0	75.4	73.0	71.3						
NFK 2746. RPM	160	62.3	67.6	70.4	71.6	72.2	72.3	70.8	70.0	67.5	65.3						
(288. RAD/SEC)	200	61.2	67.4	71.3	73.1	73.7	73.4	72.1	70.8	68.1	66.1						
NFD 3244. RPH	250	60.4	65.8	71.2	74.3	74.5	74.2	72.4	70.8	68.4	66.4						
(340. RAD/SEC)	315	57.3	64.1	70.4	74.0	74.4	74.2	72.4	70.4	67.7	64.6						
AIRFLOW RATIO	400	55.9	62.6	71.5	76.0	76.7	76.0	73.7	71.7	68.2	64.9						
WF/W 12.60	500	53.2	62.4	68.1	73.4	74.1	74.0	72.5	71.2	66.9	63.4						
	630	58.0	66.6	70.5	76.5	76.1	74.7	72.8	70.6	67.2	63.4						
	800	60.6	69.3	74.0	78.8	79.9	78.4	75.8	73.8	69.6	65.4						
VEHICLE CONFIG	1000	60.6	69.9	74.5	79.1	80.8	79.5	76.9	74.0	70.2	65.5						
LOC SCHENECTADY	1250	60.1	69.9	74.6	79.3	80.5	79.6	77.0	74.3	71.3	66.3						
DATE 7/7/75	1600	61.1	70.9	75.9	81.1	82.5	81.4	77.2	74.0	71.3	68.2						
RUN 32/3	2000	56.6	67.9	74.0	77.2	79.0	79.5	78.2	74.8	71.1	66.6						
TAPE	2500	58.0	68.3	74.5	77.6	79.6	80.5	79.1	75.9	71.7	67.5						
FAN TIP SPEED	3150	53.7	66.6	72.7	76.1	77.9	78.4	77.8	73.6	70.1	66.7						
877. FT/SEC	4000	49.8	63.2	70.4	74.4	75.7	76.4	76.9	72.8	69.1	65.7						
	5000	45.3	61.5	69.5	73.5	74.7	76.4	76.6	72.9	69.2	66.1						
	6300	40.5	57.5	66.6	71.1	73.4	74.2	74.5	71.7	67.6	65.1						
	8000	30.7	51.1	62.2	67.1	69.3	71.5	71.5	68.9	64.6	62.0						
	10000	14.2	41.5	54.1	60.7	64.2	65.5	67.0	63.0	60.0	56.7						
OVERALL CALCULATED		78.6	85.0	88.3	91.2	92.0	91.5	90.2	88.1	85.4	83.1						
PND8		81.8	92.2	98.1	101.7	103.2	103.5	102.2	99.3	95.6	92.1						

ORIGINAL PAGE IS OF POOR QUALITY

FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70. PERCENT REL. HUM. DAY)																					
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.					
SIDELINE 500. FT. (152.40 M)	63	69.4	75.2	77.1	79.1	80.6	78.6	78.0	76.9	74.8	73.6	83	69.9	74.9	76.6	77.9	80.4	79.2	77.6	76.5	74.1	72.4
NFA (2998 RPM)	100	72.4	78.3	81.2	81.9	81.6	82.2	82.2	81.4	79.2	78.0	125	65.6	71.7	76.4	78.9	78.9	78.8	77.8	76.7	74.5	72.5
NFK (2902 RPM)	160	61.3	68.3	71.9	73.1	73.4	73.6	72.3	71.0	69.0	66.6	200	60.7	68.2	71.8	73.6	74.2	74.4	73.6	72.1	69.1	67.1
NFD (304 RAD/SEC)	250	58.4	66.0	71.7	74.6	74.7	74.9	72.7	71.6	69.4	67.4	315	58.3	64.8	71.1	74.5	74.9	75.0	73.7	71.9	68.7	65.6
AIRFLOW RATIO	400	55.6	63.6	71.8	76.2	76.9	76.5	74.7	72.9	68.9	65.9	500	54.2	63.2	69.1	73.9	75.6	75.0	73.3	72.0	68.4	64.9
NF/WM 12.60	630	54.2	64.4	68.2	74.3	74.8	74.2	72.3	71.0	67.7	63.9	800	56.8	66.5	70.5	75.1	75.7	74.9	73.0	71.0	67.3	63.6
VEHICLE CONFIG	1000	60.4	70.4	74.3	78.7	80.6	78.8	75.9	73.7	69.7	66.3	1250	60.9	70.4	74.6	78.6	81.1	80.4	77.3	74.3	70.8	66.9
LOC SCHENECTADY	1600	60.3	70.2	75.1	78.5	81.0	79.6	78.3	74.9	71.3	66.8	2000	60.0	70.2	75.6	79.9	82.0	80.6	78.7	74.8	71.5	67.9
DATE 7/7/75	2500	56.5	69.0	73.6	77.6	79.0	79.8	78.2	74.8	70.9	66.9	3150	54.6	68.1	74.1	77.4	79.2	79.9	79.1	76.2	71.2	68.2
RUN TAPE	4000	51.6	65.9	72.2	75.7	78.2	78.7	77.5	74.7	70.0	67.0	5000	48.4	62.9	70.6	74.1	76.0	76.9	75.5	72.9	69.4	66.7
FAN TIP SPEED	6300	41.5	58.9	67.2	71.8	74.0	75.6	76.4	72.2	68.5	65.8	8000	33.2	52.9	62.6	68.1	70.8	72.4	72.8	70.1	66.4	64.2
929. FT/SEC	10000	20.0	44.7	56.2	62.8	65.6	68.7	68.9	66.3	62.2	59.5	OVERALL CALCULATED	78.5	84.8	88.3	90.8	92.2	91.9	90.8	88.8	86.0	83.6
	PND8	82.3	92.9	98.5	102.1	103.7	104.0	103.0	100.2	96.2	93.1											

50	79.2	84.2	85.8	87.6	88.9	88.8	86.3	85.1	83.0	81.0
63	80.0	84.1	85.4	86.5	88.8	87.5	85.9	84.8	82.4	80.8
80	83.7	88.9	88.5	88.6	89.4	90.2	89.6	88.5	86.3	83.2
100	83.0	88.0	90.4	90.8	90.4	90.9	90.8	89.9	87.8	86.6
125	76.6	81.6	85.8	87.9	87.8	87.6	86.5	85.4	83.2	81.3
160	72.6	78.5	81.4	82.3	82.5	82.5	81.2	79.8	77.9	75.5
200	72.3	78.6	81.6	83.0	83.4	83.4	82.6	81.0	78.1	76.2
250	70.4	76.7	81.7	84.1	84.0	84.1	81.8	80.7	78.5	76.6
315	70.6	75.8	81.3	84.3	84.4	84.3	82.9	81.1	77.9	75.0
400	68.3	74.9	82.2	86.2	86.6	86.0	84.2	82.3	78.3	75.4
500	67.3	74.7	79.8	84.0	85.5	84.7	82.9	81.5	78.0	74.6
630	67.7	76.2	79.2	84.7	84.9	84.1	82.0	80.7	77.4	73.8
800	70.9	78.8	81.7	85.7	86.0	85.0	82.9	80.9	77.3	73.7
1000	75.0	83.0	85.8	89.6	91.1	89.1	86.1	83.8	79.9	76.5
1250	76.0	83.5	86.5	89.8	91.8	90.9	87.7	84.7	81.2	77.4
1600	76.2	83.8	87.4	90.0	92.1	90.4	89.0	85.5	82.0	77.7
2000	76.7	84.4	88.4	91.9	93.4	91.7	89.7	85.7	82.5	79.0
2500	74.0	83.8	86.8	89.9	90.8	91.2	89.5	86.0	82.1	78.3
3150	73.4	83.6	88.0	90.3	91.5	91.6	91.6	90.8	87.8	82.9
4000	72.5	82.9	87.2	89.5	91.2	91.4	89.9	87.0	82.4	79.7
5000	70.4	80.7	85.5	88.4	89.5	90.0	90.3	85.7	82.2	79.8
6300	66.8	79.1	84.6	87.6	88.9	89.9	90.4	86.1	82.4	80.1
8000	63.7	76.6	82.7	86.2	87.7	88.5	88.5	85.7	82.2	80.4
10000	57.7	73.3	80.1	84.1	85.4	87.5	87.2	84.4	80.5	78.3
OVERALL CALCULATED	90.0	96.1	99.4	101.8	102.9	102.6	101.5	99.0	95.8	93.4
PND8	94.7	107.7	111.9	114.5	115.7	115.7	114.5	111.7	107.7	104.4

Run 32/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 16.9																
		MODEL SOUND PRESSURE LEVELS (99. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	(5. M)	100	102.0	94.8	87.8	86.5	87.5	88.3	87.8	87.8	86.3	85.0						
VEHICLE	UTMSIM	125	101.5	97.3	96.3	96.5	96.3	96.3	94.8	92.5	90.0	89.8					129.2	
CONFIG	GO4	160	101.0	98.3	98.5	98.5	98.8	97.5	97.0	94.8	93.0	92.0					130.6	
LOC	SCHENECTADY	200	103.0	103.7	104.5	103.2	103.0	100.7	99.0	96.5	94.5	93.5					134.7	
DATE	7/7/75	250	106.0	106.0	105.7	104.5	103.5	102.2	101.7	99.7	97.2	95.2					136.4	
RUN	32/5	315	105.0	107.2	107.7	107.2	105.5	104.3	103.0	101.5	99.5	98.					138.2	
TAPE		400	99.3	101.5	103.0	103.2	102.7	101.8	99.3	98.3	95.7	94.0					134.3	
BAR	29.6 HG	500	95.3	97.8	99.0	98.3	97.2	96.5	94.8	93.0	90.5	88.5					129.5	
	(99.56. N/M2)	630	95.3	97.5	99.0	99.0	98.5	97.3	95.5	93.0	91.0	89.0					130.0	
TAMB	99. DEG F	800	93.5	95.5	97.3	98.0	97.0	96.3	94.5	93.0	90.8	89.3					128.9	
	(310. DEG K)	1000	92.3	94.5	97.3	98.5	97.5	97.1	94.8	92.8	89.5	88.5					129.0	
TRET	75. DEG F	1250	92.3	95.1	98.0	100.5	99.5	97.8	96.6	94.3	90.8	88.3					130.5	
	(297. DEG K)	1600	90.8	95.1	96.0	97.5	98.5	97.4	95.9	93.4	90.0	88.3					129.2	
HACT	14.57 GH/M3	2000	92.0	96.6	95.8	98.7	98.5	97.4	95.1	93.4	90.0	87.3					129.4	
	(0.01457 KG/M3)	2500	94.0	98.1	98.0	99.7	99.2	97.4	95.4	93.2	89.7	87.1					130.2	
NFA	1835. RPM	3150	98.5	102.1	102.5	102.4	103.4	101.6	98.1	95.5	91.7	89.1					133.9	
	(1239. RAD/SEC)	4000	101.7	104.5	104.2	104.3	106.1	104.0	101.1	97.7	93.9	90.5					136.2	
NFK	1403. RPM	5000	101.8	105.0	105.1	105.3	107.0	105.0	102.1	98.6	95.3	91.2					137.1	
	(1194. RAD/SEC)	6300	101.7	105.1	105.4	105.3	106.0	104.2	101.4	98.0	94.7	92.0					136.8	
NFD	1517. RPM	8000	102.0	106.1	106.4	106.2	108.7	105.5	103.5	99.4	95.4	93.1					137.8	
	(1206. RAD/SEC)	10000	100.8	105.8	107.0	106.9	106.4	106.3	104.8	101.2	96.7	94.4					138.6	
NG. OF BLADES	18	12500	101.3	105.4	107.2	106.7	106.2	105.9	104.9	101.1	96.9	95.2					138.7	
FAN TIP SPEED		16000	99.7	103.9	105.1	105.2	105.0	104.7	104.2	100.2	96.7	95.3					137.8	
	1033. FT/SEC	20000	97.4	103.1	105.0	105.2	104.3	104.6	104.2	100.7	96.8	95.8					138.0	
		25000	96.9	102.6	104.3	104.8	104.4	103.8	104.0	100.7	96.8	96.2					138.3	
		31500	95.1	101.3	103.7	103.3	103.4	103.7	102.9	100.2	96.5	95.7					138.4	
		40000	89.2	99.2	101.2	101.2	101.1	101.3	101.8	97.4	94.0	93.5					137.6	
		50000	83.5	95.5	97.0	97.5	99.1	98.2	99.4	93.9	91.2	89.8					136.4	
		63000	80.0	89.3	90.3	90.2	92.4	91.9	92.6	85.8	85.0	82.5					132.3	
		80000	82.9	84.2	84.7	85.1	85.6	85.5	85.7	81.6	83.9	81.9					130.9	
OVERALL MEASURED																		
OVERALL CALCULATED		114.4	116.9	117.7	117.7	117.5	116.7	115.4	112.2	109.0	107.4							150.1
PWDB		125.1	127.7	127.9	128.1	128.8	127.3	124.9	122.0	118.7	116.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
SIDELINE 500. FT. (152.40 M)	63	72.7	77.9	81.3	81.9	82.9	81.4	80.1	77.7	75.6	74.2
NFA (3334. RPM)	80	75.1	79.7	82.3	82.9	83.1	82.7	82.6	80.8	78.1	75.7
(349. RAD/SEC)	100	73.6	80.6	84.0	85.4	84.9	84.5	83.7	82.4	80.2	79.0
NFK (212. RPM)	125	67.3	74.5	78.9	81.1	81.9	81.8	79.8	78.9	75.5	74.0
(336. RAD/SEC)	150	62.8	70.3	74.6	75.9	76.2	76.3	75.1	73.5	70.8	68.3
NFD (3244. RPM)	200	62.2	69.7	74.3	76.4	77.2	76.9	75.6	73.3	71.1	68.6
(340. RAD/SEC)	250	59.9	67.3	72.2	75.1	75.5	75.7	74.4	73.1	70.6	68.6
AIRFLOW RATIO	315	58.1	65.8	71.9	75.3	75.7	76.2	74.5	72.6	69.2	67.6
(340. RAD/SEC)	400	57.4	65.9	72.3	77.0	77.4	76.7	76.0	73.9	70.2	67.2
W/F/W 12-60	500	55.2	65.4	69.9	73.7	76.1	76.0	75.0	72.8	69.2	66.9
VEHICLE CONFIG	630	55.7	66.4	69.2	74.5	75.8	75.7	74.0	72.5	68.9	65.7
LOC SCHENECTADY	800	56.9	67.3	71.0	75.1	76.2	75.4	74.0	72.0	68.3	65.1
DATE 7/7/75	1000	60.4	70.6	75.0	77.4	80.1	79.3	76.5	74.0	70.0	66.8
RUN 32/5	1250	62.6	72.4	76.1	78.9	82.3	81.4	79.1	75.9	71.8	67.9
TAPE	1600	61.5	71.9	76.4	79.2	82.8	81.9	79.6	76.4	72.8	68.1
FAN TIP SPEED	2000	60.0	71.2	75.9	78.7	81.2	80.6	78.5	75.3	71.8	68.4
1033. FT/SEC	2500	59.0	71.3	76.3	79.1	80.5	81.6	80.2	76.3	72.2	69.1
OVERALL CALCULATED	3150	55.9	69.6	75.9	79.0	80.5	81.7	80.9	77.5	72.7	69.7
PND8	4000	53.2	67.2	74.5	77.5	79.2	80.3	80.0	76.5	72.1	69.6
	5000	50.0	64.7	71.8	75.4	77.5	78.8	79.0	75.3	71.5	69.3
	6300	42.8	60.5	69.1	73.4	75.1	77.0	77.5	74.3	70.1	68.2
	8000	34.1	54.8	64.3	69.7	72.5	73.8	74.9	72.0	67.8	66.1
	10000	21.2	46.1	58.4	63.8	67.6	70.2	70.6	66.3	64.2	62.2
	12500	10.3	36.6	50.4	52.4	53.6	53.4	52.4	50.0	46.9	44.8
		83.6	94.8	100.3	103.3	105.0	105.6	104.6	101.6	97.5	94.8
SIDELINE 200. FT. (60.96 M)	50	81.0	81.7	84.3	85.8	85.1	86.6	86.5	84.4	82.5	81.1
	63	82.7	87.1	90.1	90.5	91.3	89.8	88.4	86.1	83.9	82.5
	80	85.3	89.2	91.3	91.6	91.7	91.2	91.1	89.2	86.6	84.2
	100	84.3	90.3	93.2	94.3	93.6	93.1	92.3	90.9	88.8	87.6
	125	78.3	84.4	88.3	90.2	90.8	90.6	88.5	87.6	84.2	82.8
	150	74.1	80.5	84.2	85.1	85.2	85.3	83.9	82.3	79.6	77.2
	200	73.9	80.1	84.1	85.7	86.4	85.9	84.6	82.3	80.1	77.7
	250	71.9	77.9	82.2	84.6	84.8	84.9	83.5	82.2	79.7	77.8
	315	70.3	76.8	82.0	85.0	85.2	85.5	83.7	81.9	78.4	77.0
	400	70.1	77.1	82.7	86.9	87.1	86.2	85.4	83.3	79.6	76.7
	500	68.3	76.9	80.6	83.8	86.0	85.7	84.6	82.3	78.7	76.6
	630	69.2	78.2	80.2	84.9	85.9	85.6	83.8	82.2	78.6	75.5
	800	70.9	79.5	82.2	85.7	86.5	85.5	83.9	81.9	78.3	75.2
	1000	75.0	83.3	86.5	88.3	90.6	89.6	86.6	84.1	80.1	77.1
	1250	77.8	85.3	88.0	90.1	93.1	91.9	89.4	86.2	82.2	78.4
	1600	77.4	85.6	88.7	90.8	93.8	92.7	90.2	87.0	83.5	78.9
	2000	76.7	85.4	88.7	90.6	92.7	91.7	89.4	86.2	82.8	79.5
	2500	76.6	86.0	89.6	91.4	92.3	93.0	91.5	87.5	83.4	80.6
	3150	74.7	85.3	89.8	91.9	92.8	93.6	92.6	89.1	84.5	81.6
	4000	74.0	84.2	89.5	91.3	92.3	92.9	92.4	88.8	84.5	82.2
	5000	72.0	82.5	87.4	89.7	91.0	91.8	91.8	88.0	84.3	82.4
	6300	67.9	80.7	86.5	89.2	90.0	91.3	91.5	88.2	84.0	82.5
	8000	64.6	78.5	84.6	87.8	89.3	89.9	90.7	87.6	83.5	82.3
	10000	58.9	74.7	82.3	85.1	87.3	89.0	88.9	86.4	82.5	81.0
OVERALL CALCULATED		91.6	97.8	101.3	103.1	104.2	104.1	103.0	100.3	96.9	94.9

ORIGINAL PAGE IS OF POOR QUALITY

Run 32/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)													PROC. DATE = MONTH 7 DAY 17 HR. 18.0			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50																		
63																		
RADIAL 17. FT.																		
(5. M)		100	97.3	87.8	81.5	83.8	86.0	87.8	88.5	89.0	88.5	87.6					122.5	
VEHICLE UTMSIM		125	102.5	99.8	101.5	101.0	98.5	99.5	98.5	95.0	93.5	94.6					132.4	
CONFIG GO4		160	101.5	100.0	102.0	101.3	98.8	99.5	98.8	96.0	94.8	94.6					132.6	
LOC SCHENECTADY		200	97.5	93.7	93.7	94.2	94.5	94.5	92.5	90.2	88.0	87.3					126.6	
DATE 7/7/75		250	101.2	97.5	95.7	95.5	96.0	97.7	97.0	96.0	94.5	92.5					130.1	
RUN 32/6		315	99.5	97.7	97.0	95.5	94.7	95.8	96.0	95.2	93.8	93.3					129.4	
TAPE		400	96.0	92.5	94.2	94.0	92.5	92.0	90.0	89.8	88.0	86.3					125.4	
BAR 29.6 HG		500	92.3	88.5	88.3	87.8	86.7	86.5	85.5	84.3	82.0	80.3					120.2	
(99.56. N/M2)		630	92.5	90.8	91.3	91.0	89.7	88.8	87.3	85.3	83.3	81.8					122.3	
TAMB 89. DEG F		800	91.3	91.0	92.8	93.5	92.0	90.8	88.8	86.5	84.3	82.3					123.8	
(305. DEG K)		1000	89.8	89.8	91.8	93.0	92.7	91.3	89.5	87.0	83.0	80.8					123.7	
T-ET 74. DEG F		1250	89.3	89.6	93.3	94.3	94.0	93.1	91.1	88.3	84.0	81.6					124.9	
(296. DEG K)		1600	86.8	88.3	92.5	94.3	93.2	92.1	90.9	88.4	83.8	81.1					124.4	
HACT 16.48 GM/M3		2000	87.5	90.8	94.0	95.5	93.0	91.6	89.1	87.2	84.0	79.9					124.7	
(1.01648 KG/M3)		2500	92.3	95.6	98.8	99.7	97.2	96.1	94.4	91.9	87.3	83.1					129.2	
NFA 8297. RPM		3150	92.0	95.1	96.8	99.7	98.2	96.1	92.9	90.0	86.2	82.6					128.8	
(869. RAD/SEC)		4000	92.4	95.5	97.7	100.1	99.1	96.5	94.6	91.2	87.6	84.1					129.8	
NFK 8067. RPM		5000	98.1	102.5	103.9	105.0	104.0	101.5	97.3	93.9	92.1	87.3					134.8	
(845. RAD/SEC)		6300	92.6	95.9	97.8	100.3	98.2	95.9	93.4	89.4	86.5	83.5					129.3	
NFD 11517. RPH		8000	93.2	96.8	98.9	100.2	99.2	98.7	96.2	91.9	87.4	84.9					130.6	
(1286. RAD/SEC)		10000	92.3	97.7	99.4	100.1	99.9	98.3	95.7	91.8	86.9	84.6					130.9	
NO. OF BLADES 18		12500	92.4	96.5	98.3	98.8	98.9	97.1	95.5	91.5	87.3	84.4					130.1	
FAN TIP SPEED		16000	91.3	95.5	97.2	97.8	97.1	96.6	95.3	90.8	86.8	84.2					129.5	
724. FT/SEC		20000	88.6	94.9	96.5	97.5	96.8	96.3	95.2	91.0	86.6	84.3					129.6	
		25000	88.1	93.0	95.2	96.4	96.1	95.0	94.1	90.3	85.3	83.9					129.1	
		31500	85.8	91.7	94.2	94.7	94.1	94.0	93.2	89.2	84.8	82.5					128.7	
		40000	79.6	88.6	91.2	91.5	91.3	90.8	90.5	86.1	82.3	79.8					127.1	
		50000	75.4	85.0	86.4	87.0	88.2	87.3	87.8	82.1	78.4	75.6					125.2	
		63000	76.0	79.3	79.8	80.3	82.4	81.7	81.6	76.6	72.3	69.1					122.8	
		80000	80.8	81.1	80.9	81.6	82.0	81.9	82.4	79.5	71.9	69.9					126.8	
OVERALL MEASURED																		
OVERALL CALCULATED		109.9	110.0	111.6	112.4	111.3	110.3	108.6	105.7	103.2	101.9						143.5	
PNDB		120.3	122.6	124.2	125.3	124.1	122.4	119.6	116.7	114.1	110.8							

Run 32/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 17 HR. 16.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
	50	71.2	74.5	79.1	80.1	78.8	80.4	80.0	77.4	76.1	75.4
	63	67.2	67.9	70.6	72.9	74.4	75.2	73.6	71.5	69.1	68.0
SIDELINE 500. FT. (152.40 M)	80	70.3	71.2	72.3	73.9	75.6	78.2	77.9	77.0	75.4	73.0
NFA (2337. RPM)	100	68.1	71.1	73.2	73.6	74.1	78.0	76.7	76.1	74.5	73.5
(245. RAD/SEC)	125	64.1	65.5	70.2	71.9	71.7	72.1	70.5	70.4	68.6	66.3
NFK (2272. RPM)	160	59.8	61.1	63.9	65.4	65.7	66.3	65.8	64.7	62.3	60.1
(238. RAD/SEC)	200	59.5	62.9	68.6	68.4	68.5	69.4	67.4	65.6	63.4	61.4
NFD (3244. RPM)	250	57.7	62.8	67.7	70.6	70.5	70.2	68.7	66.6	64.2	61.7
(340. RAD/SEC)	315	55.5	61.1	66.4	69.8	70.9	70.5	69.2	66.9	62.7	59.7
AIRFLOW RATIO	400	54.4	60.4	67.5	70.7	71.9	72.0	70.5	67.9	63.5	60.5
WF/WB 12.60	500	52.0	61.2	67.9	71.6	70.9	70.7	70.0	67.7	63.2	59.7
	630	56.0	65.4	72.2	75.5	74.6	74.5	73.3	71.1	66.2	61.5
	800	54.8	64.3	69.8	75.1	75.2	74.2	71.5	68.8	64.9	60.7
VEHICLE UTHS1M	1000	54.4	64.1	70.2	75.1	75.7	74.3	72.9	69.7	66.0	61.8
CONFIG GO4	1250	59.1	70.3	75.8	79.6	80.3	78.9	75.3	72.1	70.1	64.6
LOC SCHENECTADY	1600	52.4	62.9	68.9	74.3	74.0	72.9	71.0	67.2	64.1	60.5
DATE 7/7/75	2000	51.6	62.9	69.5	73.7	74.5	75.3	73.4	69.3	64.6	61.4
RUN 32/6	2500	49.5	63.1	69.5	73.1	74.8	74.4	72.6	68.9	63.7	60.8
TAPE	3150	47.6	60.6	67.4	71.1	73.1	72.6	71.8	68.0	63.6	60.0
FAH TIP SPEED	4000	43.5	57.6	64.9	68.9	70.4	71.3	70.8	66.5	62.3	58.9
724. FT/SEC	5000	39.4	56.1	63.6	68.2	69.9	70.8	70.5	66.5	61.8	58.9
	6300	33.9	51.1	60.0	65.2	67.5	68.0	68.1	64.6	59.2	57.0
	8000	23.9	44.8	55.2	60.6	63.1	64.8	65.0	61.4	56.6	53.4
	10000	7.1	34.9	47.3	53.4	56.9	58.6	59.6	55.6	51.4	47.7
OVERALL CALCULATED		76.6	80.0	84.5	87.3	87.6	87.9	86.8	84.6	82.2	80.4
PND8		77.2	87.1	93.4	97.1	98.3	98.2	96.9	93.6	89.6	86.3
	50	81.5	83.5	87.8	88.6	87.1	88.6	88.3	85.6	84.3	83.7
	63	77.2	77.1	79.4	81.5	82.8	83.5	81.9	79.8	77.5	76.3
SIDELINE 200. FT. (60.96 M)	80	80.7	80.7	81.3	82.6	84.2	86.7	86.3	85.5	83.9	81.5
	100	78.8	80.8	82.4	82.5	82.9	84.6	85.3	84.7	83.1	82.2
	125	75.1	75.4	79.5	80.9	80.5	80.8	79.2	79.1	77.3	75.1
	160	71.1	71.2	73.4	74.6	74.7	75.3	74.7	73.8	71.2	69.0
	200	71.1	73.3	78.3	77.7	77.6	77.4	76.4	74.5	72.4	70.5
	250	69.6	73.4	77.7	80.1	79.8	79.4	77.8	75.7	73.3	70.9
	315	67.8	72.0	76.5	79.5	80.4	79.8	78.4	76.1	71.9	69.0
	400	67.1	71.6	77.9	80.7	81.6	81.5	79.9	77.3	72.9	70.0
	500	65.0	72.7	78.6	81.8	80.7	80.4	79.6	77.3	72.8	69.4
	630	69.5	77.3	83.2	85.9	84.6	84.3	83.0	80.8	75.9	71.3
	800	68.8	76.5	81.0	85.7	85.4	84.2	81.5	78.7	74.8	70.7
	1000	68.9	76.7	81.7	86.0	86.2	84.5	83.1	79.8	76.1	72.1
	1250	74.2	83.4	87.7	90.8	91.0	89.4	85.6	82.4	80.4	75.1
	1600	68.3	76.5	81.2	85.9	85.1	83.7	81.6	77.9	74.7	71.3
	2000	68.3	77.1	82.3	85.6	85.9	86.4	84.4	80.2	75.6	72.5
	2500	67.0	77.8	82.7	85.4	86.6	85.9	83.8	80.1	75.0	72.2
	3150	66.5	76.2	81.3	84.0	85.4	84.5	83.5	79.7	75.3	71.9
	4000	64.3	74.8	79.9	82.6	83.4	83.9	83.2	78.8	74.7	71.5
	5000	61.4	74.0	79.2	82.5	83.4	83.8	83.3	79.2	74.6	71.8
	6300	59.2	71.2	77.3	81.0	82.3	82.3	82.0	78.4	73.2	71.2
	8000	54.4	68.5	75.4	78.7	79.9	80.9	80.8	77.0	72.4	69.5
	10000	44.8	63.5	71.2	74.7	76.6	77.4	77.9	73.7	69.7	66.4
OVERALL CALCULATED		87.4	91.1	95.3	97.9	98.1	97.9	96.6	94.1	91.4	89.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. @ 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
SIDELINE 500. FT. (152.40 M)	50	65.0	67.6	71.2	72.7	72.1	73.9	73.8	71.5	69.8	68.9	
	63	64.2	64.0	65.4	67.4	69.6	69.4	68.1	66.0	63.9	62.5	
	80	65.4	67.3	68.1	68.9	70.1	71.2	71.6	70.6	68.7	65.7	
NFA (2000. RPM)	100	64.4	67.0	68.1	68.7	68.7	69.8	69.7	68.7	66.7	65.8	
(209. RAD/SEC)	125	59.4	60.4	63.8	65.7	65.4	65.6	63.8	62.7	60.8	59.1	
NFK (1944. RPM)	160	55.8	57.7	59.7	60.9	61.4	61.6	60.6	59.5	57.1	54.4	
(204. RAD/SEC)	200	56.0	60.3	63.4	65.1	65.2	64.7	63.1	61.4	59.1	57.2	
NFD (3244. RPM)	250	54.0	61.1	65.1	67.6	67.5	66.7	65.4	63.6	60.4	57.4	
(340. RAD/SEC)	315	50.8	58.9	64.2	66.3	66.7	66.7	64.5	62.2	58.9	55.2	
AIRFLOW RATIO	400	50.2	58.5	65.6	68.2	68.7	67.8	66.3	63.7	59.5	56.0	
WF/WH 12:60	500	48.8	57.8	65.0	67.4	68.1	66.8	65.3	62.5	58.5	55.0	
VEHICLE UTMSM	630	51.5	61.7	68.6	71.1	71.1	69.7	67.3	65.1	61.4	57.0	
CONFIG 604	800	51.6	61.9	68.6	71.1	70.7	70.4	67.5	65.0	60.9	56.9	
LOC SCHENECTADY	1000	51.2	60.5	66.3	70.5	70.6	68.6	66.0	62.8	59.8	55.8	
DATE 7/7/75	1250	53.4	64.3	71.0	73.2	75.1	72.4	69.8	66.6	64.1	60.9	
RUN 32/7	1600	50.5	61.3	67.4	71.5	72.0	69.6	66.6	63.1	60.1	56.6	
TAPE	2000	49.0	59.5	66.0	70.4	70.5	68.9	66.7	62.8	60.3	56.2	
FAN TIP SPEED	2500	47.3	58.9	65.6	68.9	70.2	70.3	66.2	62.8	58.4	55.4	
620. FT/SEC	3150	44.3	57.9	64.9	68.4	69.2	69.2	66.3	62.0	57.5	54.7	
OVERALL CALCULATED	4000	41.1	55.2	62.5	66.7	67.9	67.2	65.4	61.2	56.8	53.3	
PND8	5000	37.9	52.9	60.2	64.8	66.2	66.4	65.7	60.2	55.7	52.0	
	6300	30.4	48.7	57.2	62.0	63.7	64.1	63.3	58.7	53.7	50.1	
	8000	22.1	41.9	52.0	57.5	59.9	60.5	59.7	56.0	49.8	46.7	
	10000	8.3	32.9	45.3	51.7	54.7	56.3	55.8	51.4	46.1	42.4	
	OVERALL CALCULATED	71.8	75.6	79.9	82.5	83.1	82.5	81.0	78.6	76.1	74.0	
	PND8	73.3	83.4	89.9	93.3	94.1	93.7	91.4	87.8	83.8	80.7	
SIDELINE 200. FT. (60.96 M)	50	74.7	76.6	79.8	81.1	80.4	82.1	82.0	79.7	78.0	77.2	
	63	74.3	73.2	74.2	76.0	78.1	77.8	76.4	74.4	72.2	70.8	
	80	75.8	76.8	77.1	77.6	78.7	79.7	80.1	79.0	77.1	74.2	
	100	75.1	76.7	77.2	77.6	77.4	78.4	78.3	77.2	75.3	74.4	
	125	70.4	70.3	73.1	74.7	74.3	74.4	72.5	71.4	69.5	67.9	
	160	67.1	67.9	69.3	70.1	70.5	70.5	69.4	68.4	65.9	63.3	
	200	67.6	70.7	73.1	74.5	74.4	73.7	72.1	70.3	68.1	66.2	
	250	65.9	71.8	75.0	77.2	76.8	75.9	74.5	72.7	69.5	66.6	
	315	63.1	69.9	74.4	76.1	76.2	76.1	73.7	71.4	68.2	64.5	
	400	62.9	69.7	76.0	78.2	78.3	77.3	75.7	73.1	68.9	65.5	
	500	61.8	69.3	75.6	77.6	78.0	76.4	74.9	72.1	68.0	64.7	
	630	65.0	73.6	79.5	81.4	81.1	79.6	77.0	74.8	71.2	68.8	
	800	65.6	74.1	79.8	81.8	81.0	80.5	77.4	74.9	70.8	67.0	
	1000	65.8	73.1	77.9	81.3	81.1	78.9	76.1	72.9	69.9	66.1	
	1250	68.5	77.3	82.8	84.4	85.8	82.9	80.2	77.6	74.5	71.4	
	1600	66.4	74.9	79.8	83.1	83.1	80.5	77.2	73.8	70.7	67.5	
	2000	65.7	73.8	78.7	82.4	81.9	80.0	77.7	73.7	71.3	67.3	
	2500	64.8	73.6	78.9	81.2	82.0	81.8	77.4	74.0	69.6	66.8	
	3150	63.2	73.6	78.8	81.3	81.5	81.1	78.0	73.6	69.2	66.6	
	4000	62.0	72.2	77.5	80.5	80.9	79.9	77.8	73.6	69.2	65.9	
	5000	59.9	70.8	75.8	79.1	79.7	79.5	78.5	72.9	68.5	65.0	
	6300	55.8	68.8	74.6	77.8	78.5	78.4	77.3	72.6	67.6	64.3	
	8000	52.6	65.6	72.2	75.6	76.6	76.7	75.4	71.6	65.6	62.8	
	10000	48.0	61.4	69.3	73.0	74.4	75.1	74.0	69.5	64.4	61.1	
	OVERALL CALCULATED	82.8	87.0	91.2	93.5	93.8	92.8	91.0	88.2	85.4	83.1	
	PND8	89.8	98.2	103.2	105.8	106.0	105.3	102.9	99.2	95.2	92.3	

ORIGINAL PAGE IS OF POOR QUALITY

Run 33/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F, 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RAD/ANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	50	57.7	62.1	65.5	66.5	65.3	66.9	68.1	67.2	67.3	67.7						
SIDELINE 300. FT.	63	55.9	59.0	62.4	65.8	68.1	69.4	67.6	65.5	63.9	63.3						
(152.40 M)	80	59.9	62.6	62.8	65.8	67.4	69.7	70.9	70.1	68.9	66.5						
NFA (199. RPM)	100	58.6	64.2	64.6	64.2	64.9	67.5	68.7	69.2	68.0	66.8						
(199. RAD/SEC)	125	51.1	57.4	61.8	63.4	62.7	63.3	62.3	62.2	61.8	59.9						
NFK (195. RPM)	160	46.8	53.2	54.9	55.8	56.9	57.9	57.8	56.8	55.3	52.9						
(205. RAD/SEC)	200	47.8	55.6	56.6	60.4	60.0	59.4	57.9	57.3	55.2	53.2						
NFD (340. RPM)	250	44.5	56.4	60.8	62.4	61.7	60.7	58.7	56.9	54.2	51.5						
(340. RAD/SEC)	315	39.3	52.2	57.7	59.8	59.7	59.0	56.7	54.9	51.2	49.0						
AIRFLOW RATIO	400	40.4	52.2	59.1	61.5	60.9	60.3	58.0	56.2	51.5	48.3						
Wf/Wb 12.60	500	40.0	51.0	60.0	61.2	60.6	59.5	57.8	55.8	51.5	48.5						
	630	44.5	58.0	67.0	67.1	66.3	65.7	63.3	61.3	56.5	52.8						
	800	44.4	56.9	66.3	67.1	65.7	64.9	62.2	60.0	56.1	52.2						
VEHICLE CONFIG	1000	40.2	52.5	60.8	63.9	63.1	60.8	57.7	55.2	52.3	48.9						
UTMSH GOS	1250	45.6	56.2	64.2	68.4	69.3	67.7	64.5	60.6	56.1	54.0						
LOC SCHENECTADY	1600	40.8	54.5	62.7	67.2	66.2	63.1	60.1	57.1	53.8	51.7						
DATE 7/8/75	2000	38.0	52.8	60.9	65.4	63.9	62.4	58.7	55.3	53.0	50.2						
RUN 33/1	2500	36.2	51.6	59.9	63.8	64.2	63.0	58.9	55.1	51.9	49.4						
TAPE	3150	33.5	50.4	59.4	62.4	63.2	62.1	58.3	54.7	50.9	48.5						
FAN TIP SPEED	4000	30.8	47.9	55.9	60.4	61.8	60.7	58.4	53.9	49.5	47.3						
618. FT/SEC	5000	28.3	45.6	54.4	59.0	59.8	60.3	58.6	52.8	48.3	45.7						
	6300	21.0	42.3	51.1	56.1	57.0	58.2	56.2	51.3	46.0	42.9						
	8000	12.4	35.2	43.8	51.0	53.0	54.3	52.2	48.0	42.6	39.2						
	10000		26.8	39.2	45.8	48.4	49.7	48.4	44.1	38.5	34.6						
OVERALL CALCULATED		64.9	70.6	75.5	77.7	77.8	77.8	77.0	75.8	74.4	73.1						
PNDB		63.7	76.7	84.6	87.8	88.0	87.3	84.6	81.4	77.9	75.3						

	50	67.5	71.1	74.1	75.3	73.6	75.1	76.3	75.4	75.6	76.0						
SIDELINE 200. FT.	63	66.0	68.2	71.2	74.0	76.6	77.8	75.9	73.9	72.2	71.6						
(60.96 M)	80	70.3	72.1	71.8	74.1	76.0	78.2	79.4	78.5	77.4	75.0						
	100	69.3	73.9	73.7	73.1	73.6	76.2	77.3	77.7	76.6	75.5						
	125	62.1	67.3	71.1	72.5	71.6	72.1	71.0	70.9	70.5	68.7						
	160	57.9	63.4	64.5	64.9	66.0	68.8	66.4	65.6	64.2	61.8						
	200	59.4	66.0	68.4	69.8	69.1	68.5	68.9	66.3	64.1	62.3						
	250	56.4	67.1	70.8	71.9	71.0	69.9	67.8	66.0	63.3	60.7						
	315	51.6	63.1	67.9	69.6	69.2	68.3	66.0	64.1	60.5	58.3						
	400	53.1	63.5	69.5	71.4	70.6	69.7	67.4	65.6	60.9	57.8						
	500	53.1	62.6	70.6	71.3	70.5	69.2	67.4	65.3	61.0	58.2						
	630	58.0	69.9	78.0	77.4	76.4	75.6	73.0	71.0	66.4	62.8						
	800	58.4	69.1	77.5	77.8	76.0	75.0	72.2	69.9	66.1	62.3						
	1000	54.7	65.1	72.3	74.8	73.5	71.1	67.8	65.3	62.4	59.1						
	1250	60.8	69.3	76.1	79.6	80.1	78.2	74.9	70.8	66.5	64.3						
	1600	56.7	68.2	75.0	78.8	77.3	73.9	70.7	67.7	64.5	62.3						
	2000	54.7	67.0	73.7	77.4	75.4	73.5	69.7	66.2	64.0	61.4						
	2500	53.8	66.3	73.1	76.1	76.0	74.5	70.2	66.3	63.1	60.8						
	3150	52.4	66.1	73.3	75.3	75.4	74.0	70.0	66.3	62.6	60.4						
	4000	51.7	64.9	70.9	74.1	74.9	73.3	70.8	66.2	61.8	59.9						
	5000	50.3	63.4	69.9	73.3	73.3	73.4	71.3	65.5	61.1	58.7						
	6300	46.4	62.4	68.5	71.9	71.9	72.4	70.1	65.2	60.0	57.2						
	8000	42.9	58.8	65.9	69.1	69.8	70.4	67.9	63.6	58.3	55.4						
	10000	36.7	55.4	63.2	67.2	68.1	68.5	66.7	62.2	56.8	53.3						
OVERALL CALCULATED		75.7	81.5	86.5	88.5	88.2	87.7	86.3	84.7	83.1	81.8						
PNDB		79.8	91.4	97.8	100.1	100.0	99.0	96.2	92.7	89.3	86.9						

Run 33/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 21 HR. 9.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. 2AV)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL	17. FT.	50																
	(5. M)	63																
		80																
VEHICLE	UTMSIM	100	85.5	80.4	77.8	79.5	82.0	84.5	85.5	86.3	85.5	84.8						117.0
CONFIG	GOS	125	93.3	92.6	93.6	92.0	89.3	92.3	92.5	91.6	92.0	92.6						125.0
LOC	SCHENECTADY	150	91.0	91.4	92.3	91.5	88.3	90.3	90.8	89.6	89.0	89.8						124.0
DATE	7/8/75	200	88.5	87.9	88.1	88.8	89.8	90.3	87.8	85.3	84.0	83.3						121.4
RUN	33/2	250	93.8	93.1	90.8	90.3	91.2	92.5	92.5	91.3	90.3	88.3						125.1
TAPE		315	92.8	94.1	92.3	91.0	90.2	91.6	91.5	91.3	90.3	89.6						125.1
BAR	29.6 HG	400	85.3	88.1	89.6	89.8	88.3	87.6	86.3	85.8	84.5	83.6						120.9
	(99.830. N/H2)	500	81.6	87.6	83.3	82.8	82.0	82.1	81.8	80.6	79.0	77.6						115.2
TAMB	80. DEG F	630	82.6	85.7	85.8	85.6	84.5	83.3	81.8	80.6	79.3	78.1						116.6
	(300. DEG K)	800	79.6	85.6	87.8	88.0	86.0	85.1	82.8	81.1	78.5	77.1						118.0
THET	71. DEG F	1000	76.3	84.1	87.6	87.5	85.7	84.3	81.8	79.3	75.8	74.1						117.3
	(1295. DEG K)	1250	78.3	82.9	87.3	88.3	86.5	84.9	82.6	80.4	76.6	73.6						117.7
HACT	18.34 CM/H3	1600	75.6	81.5	87.4	88.0	86.2	84.1	81.6	79.9	75.5	73.4						117.3
	(1.01634 KG/M3)	2000	72.6	84.2	89.9	89.8	87.5	85.1	81.6	80.2	76.3	73.9						116.6
NFA	8262. RPM	2500	85.0	90.7	95.9	95.2	93.2	91.4	87.1	85.2	81.5	78.1						124.7
	(865. RAD/SEC)	3150	83.5	88.9	93.1	92.7	91.9	89.4	85.6	83.2	79.7	76.9						123.1
NFK	8100. RPM	4000	82.7	88.1	92.7	95.1	93.3	92.1	87.8	84.9	81.6	77.8						124.1
	(848. RAD/SEC)	5000	88.1	93.6	97.8	101.8	99.2	95.2	90.3	86.1	85.3	81.5						129.1
NFD	11517. RPM	6300	82.6	88.7	92.9	95.0	92.4	89.4	85.3	82.5	79.4	77.5						123.4
	(1206. RAD/SEC)	8000	82.7	89.4	93.4	95.4	94.2	92.0	88.0	84.1	80.2	77.6						124.7
NO. OF BLADES	18	10000	82.8	91.1	93.7	94.9	94.3	92.0	87.7	83.6	79.6	77.6						124.6
FAN TIP SPEED	16000	12500	82.2	89.6	92.8	93.8	93.3	91.1	86.5	84.3	79.8	77.4						124.2
	(721. FT/SEC)	16000	81.0	88.5	91.5	92.7	91.8	90.8	88.7	83.5	78.7	76.6						123.6
		20000	79.6	88.2	91.2	92.4	91.3	90.5	88.6	83.2	78.7	76.8						123.7
		25000	78.5	87.1	90.4	90.8	90.5	89.4	87.0	83.0	77.2	76.3						123.2
		31500	76.4	85.7	89.3	89.9	89.0	88.3	86.0	81.8	77.1	74.9						123.0
		40000	70.4	82.8	85.8	86.0	86.1	84.9	84.1	78.9	74.6	72.6						121.2
		50000	68.1	78.5	80.9	81.4	82.4	80.5	80.8	74.3	71.8	68.5						118.9
		63000	66.0	72.2	73.1	73.3	74.9	73.7	73.3	68.4	67.8	65.6						114.9
		80000	70.1	71.0	70.2	70.8	71.3	71.2	71.6	68.8	71.1	69.1						117.1
OVERALL MEASURED																		
OVERALL CALCULATED			100.9	103.5	106.0	107.1	105.7	104.3	102.1	100.0	98.6	97.9						137.6
PWdB			110.6	115.2	116.8	120.5	118.9	116.4	112.7	109.9	108.1	105.5						

Run 33/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 21 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SIDELINE 500. FT. (152.40 M)	50	61.2	65.9	69.5	73.4	68.3	71.1	72.1	71.0	70.3	70.7							NFA (327. RPM (244. RAD/SEC)	53	58.2	62.0	64.9	67.4	69.6	70.9	68.9	66.5	65.1	64.0							NFK (2281. RPM (239. RAD/SEC)	80	62.9	66.8	67.3	68.7	70.9	73.0	73.4	72.3	71.2	68.7							NFD (3244. RPM (340. RAD/SEC)	100	61.4	67.5	68.6	69.2	69.7	72.0	72.2	72.2	71.0	69.8							AIRFLOW RATIO W/FWH 12.60	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6							VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8						
NFA (327. RPM (244. RAD/SEC)	53	58.2	62.0	64.9	67.4	69.6	70.9	68.9	66.5	65.1	64.0							NFK (2281. RPM (239. RAD/SEC)	80	62.9	66.8	67.3	68.7	70.9	73.0	73.4	72.3	71.2	68.7							NFD (3244. RPM (340. RAD/SEC)	100	61.4	67.5	68.6	69.2	69.7	72.0	72.2	72.2	71.0	69.8							AIRFLOW RATIO W/FWH 12.60	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6							VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																								
NFK (2281. RPM (239. RAD/SEC)	80	62.9	66.8	67.3	68.7	70.9	73.0	73.4	72.3	71.2	68.7							NFD (3244. RPM (340. RAD/SEC)	100	61.4	67.5	68.6	69.2	69.7	72.0	72.2	72.2	71.0	69.8							AIRFLOW RATIO W/FWH 12.60	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6							VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																										
NFD (3244. RPM (340. RAD/SEC)	100	61.4	67.5	68.6	69.2	69.7	72.0	72.2	72.2	71.0	69.8							AIRFLOW RATIO W/FWH 12.60	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6							VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																												
AIRFLOW RATIO W/FWH 12.60	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6							VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																														
VEHICLE UTHSIM CONFIG G05	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6							LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																
LOC SCHENECTADY	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7							DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																		
DATE 7/8/75	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4							RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																				
RUN 33/2	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2							TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																						
TAPE	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7							FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																								
FAN TIP SPEED 721. FT/SEC	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5							OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																										
OVERALL CALCULATED PNDB	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																												
	800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																														
	1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																
	1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																		
	1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																				
	2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																						
	2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																								
	3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																										
	4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																												
	5000	30.4	49.4	56.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																														
	6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																																																
	8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																																																																		
	10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																																																																																				
	OVERALL CALCULATED PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9									66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.6	79.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. (60.96 M)	50	71.0	74.9	78.1	78.8	76.6	79.4	80.3	79.2	78.5	78.9								63	68.3	71.2	73.7	76.0	78.1	79.3	77.2	74.9	73.5	72.3								80	73.3	76.3	76.3	77.4	79.5	81.5	81.9	80.8	79.6	77.2								100	72.1	77.2	77.7	78.1	78.4	80.7	80.8	80.7	79.6	78.4								125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3							
	63	68.3	71.2	73.7	76.0	78.1	79.3	77.2	74.9	73.5	72.3								80	73.3	76.3	76.3	77.4	79.5	81.5	81.9	80.8	79.6	77.2								100	72.1	77.2	77.7	78.1	78.4	80.7	80.8	80.7	79.6	78.4								125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																									
	80	73.3	76.3	76.3	77.4	79.5	81.5	81.9	80.8	79.6	77.2								100	72.1	77.2	77.7	78.1	78.4	80.7	80.8	80.7	79.6	78.4								125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																											
	100	72.1	77.2	77.7	78.1	78.4	80.7	80.8	80.7	79.6	78.4								125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																													
	125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																															
	150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																	
	200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																			
	250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																					
	315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																							
	400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																									
	500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																											
	630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																													
	800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																															
	1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																	
	1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																			
	1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																					
	2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																							
	2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																									
	3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																											
	4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																													
	5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																															
	6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																																																	
	8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																																																																			
	10000	35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9	59.2							OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																																																																																					
OVERALL CALCULATED PNDB	78.6	84.8	89.7	92.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.27)	140. (2.44)	150. (2.62)
SIDELINE 500 Ft. (152.40 M)	50	64.2	68.6	73.0	74.2	72.6	75.9	76.8	75.7	74.3	73.4				
	63	59.7	64.0	66.7	68.9	70.6	71.4	69.6	67.8	65.6	64.2				
	80	64.6	68.3	69.1	69.9	71.9	73.7	74.1	73.1	71.9	69.2				
	100	63.1	69.0	70.6	71.2	71.7	73.3	74.2	73.7	72.0	70.5				
NFA 2498 RPM (262. RAD/SEC)	125	55.9	62.6	67.8	70.2	70.2	70.3	68.8	68.5	67.1	65.6				
	160	51.1	58.7	61.9	62.6	63.4	64.6	64.3	63.5	61.6	59.6				
NFK 2449 RPM (256. RAD/SEC)	200	52.0	59.1	62.4	64.4	65.2	65.4	64.4	63.6	62.1	60.2				
	250	48.7	58.6	63.8	65.9	66.0	66.2	64.7	63.1	60.7	57.9				
NFD 3244 RPM (340. RAD/SEC)	315	46.6	55.4	63.2	65.8	65.7	64.7	62.7	61.2	57.7	55.0				
	400	45.2	54.7	62.8	65.7	65.9	65.0	63.8	61.2	57.2	54.2				
AIRFLOW RATIO Wf/Wm 12.60	500	41.5	52.5	62.0	64.7	64.9	63.8	61.8	60.0	56.7	53.5				
	630	41.7	53.7	63.0	66.6	64.8	63.7	61.8	60.1	56.4	53.0				
	800	48.1	59.9	68.8	71.6	70.9	71.9	67.7	66.5	61.9	57.7				
VEHICLE UTM31H CONFIG G05	1000	47.0	59.0	67.6	71.9	71.3	70.3	66.7	64.2	60.5	56.8				
	1250	44.4	57.2	65.9	71.2	71.6	70.4	68.1	65.1	61.1	57.2				
LOC SCHENECTADY	1600	47.0	60.3	68.2	74.0	75.5	71.6	70.3	67.9	62.3	59.4				
DATE 7/8/75	2000	42.5	56.8	65.4	70.7	70.4	68.4	64.7	62.0	58.8	56.2				
RUN 33/3	2500	40.7	56.1	64.6	69.8	70.2	69.5	66.4	62.8	58.9	55.8				
TAPE	3150	38.0	55.9	64.4	68.4	69.7	69.1	66.3	62.2	57.9	54.9				
FAN TIP SPEED 774. FT/SEC	4000	35.1	53.1	62.2	66.3	68.0	67.2	65.6	61.7	57.2	53.7				
	5000	32.6	51.1	59.9	65.0	66.3	66.3	65.5	60.8	56.3	52.9				
	6300	25.5	47.1	57.3	62.3	64.5	65.2	64.4	59.5	54.8	51.6				
	8000	17.6	41.2	52.3	58.0	60.7	61.5	60.6	56.2	51.5	49.2				
	10000	4.2	32.0	45.9	52.3	55.6	56.7	56.4	52.8	47.5	44.2				
OVERALL CALCULATED		69.8	75.4	80.0	83.0	83.3	83.4	82.6	81.2	79.2	77.5				
PND8		66.5	81.3	89.3	93.5	94.5	93.7	91.6	88.7	84.8	81.6				
SIDELINE 200 Ft. (60.96 M)	50	74.0	77.6	81.6	82.6	80.9	84.1	85.0	83.9	82.5	81.7				
	63	69.8	73.2	75.5	77.5	79.1	79.8	77.9	76.1	74.0	72.6				
	80	75.0	77.8	78.1	78.6	80.5	82.2	82.6	81.5	80.4	77.7				
	100	73.8	78.7	79.7	80.1	80.4	81.9	82.8	82.2	80.6	79.2				
	125	66.9	72.5	77.1	79.2	79.1	79.1	77.5	77.2	75.8	74.4				
	160	62.4	68.9	71.5	71.9	72.5	73.5	73.2	72.4	70.4	68.5				
	200	63.6	69.5	72.1	73.8	74.4	74.5	73.4	72.5	71.1	69.2				
	250	60.6	69.3	73.8	75.4	75.3	75.4	73.8	72.2	69.8	67.1				
	315	58.9	66.4	73.4	75.6	75.2	74.1	72.0	70.4	66.9	64.3				
	400	57.9	66.0	73.3	75.7	75.6	74.5	73.2	70.6	66.6	63.7				
	500	54.6	64.1	72.6	74.8	74.7	73.4	71.4	69.6	66.3	63.2				
	630	55.3	65.6	74.0	76.9	74.9	73.6	71.5	69.6	66.2	62.8				
	800	62.1	72.1	80.0	82.3	81.2	82.0	77.7	76.4	71.8	67.7				
	1000	61.5	71.6	79.1	82.8	81.8	80.6	76.8	74.3	70.7	67.1				
	1250	59.5	70.3	77.8	82.3	82.3	80.9	78.4	75.4	71.5	67.7				
	1600	62.9	73.9	80.5	85.5	86.6	82.4	81.0	78.5	73.0	70.2				
	2000	59.2	71.0	78.2	82.6	81.9	79.5	75.7	72.9	69.8	67.3				
	2500	58.3	70.9	77.8	82.1	82.0	81.0	77.7	74.0	70.1	67.0				
	3150	56.9	71.6	78.3	81.3	81.9	81.0	78.0	73.8	69.6	66.8				
	4000	55.9	70.2	77.1	80.1	81.1	79.8	78.0	74.0	69.6	66.4				
	5000	54.5	68.9	75.4	79.3	79.3	79.3	78.3	73.5	69.1	65.9				
	6300	50.8	67.2	74.7	78.1	79.4	79.4	78.4	73.4	68.7	65.9				
	8000	48.1	64.8	72.4	76.1	77.6	77.7	76.4	71.9	67.3	65.3				
	10000	41.9	60.6	69.9	73.6	75.3	75.5	74.6	70.9	65.7	63.0				
OVERALL CALCULATED		80.5	86.1	90.9	93.8	94.0	93.5	92.2	90.4	88.1	86.3				
PND8		84.4	96.1	102.7	105.8	106.2	105.4	103.2	99.9	96.0	93.2				

ORIGINAL PAGE IS
OF POOR QUALITY

Run 33/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVEL (50. DEC. F. 78 PERCENT REL. HUM. DAY)											PROC. DATE = MONTH 7 DAY 21 HR. 10.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.78)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	50																
	(5. M)	63																
VEHICLE	UTHSIM	100	88.3	85.6	79.6	80.8	82.3	84.5	85.8	86.1	85.8	85.3						110.5
CONFIG	COE	125	91.5	89.9	89.6	88.5	88.8	90.3	90.8	89.8	89.8	89.6						123.5
LOC	SCHENECTADY	160	92.8	94.4	94.6	94.3	92.0	92.3	92.5	90.8	89.5	90.1						126.0
DATE	7/8/75	200	92.3	91.9	91.6	91.5	91.8	92.0	89.3	87.3	85.5	85.1						123.8
RUN	33/4	250	96.8	96.4	94.6	93.5	93.7	94.8	94.7	93.0	91.8	90.0						127.6
TAPE		315	95.5	96.9	96.1	95.0	94.2	95.0	95.3	94.3	92.8	92.3						128.4
BAR	29.6 HG	400	89.0	91.9	93.3	93.8	93.0	92.3	90.0	89.3	87.8	87.1						124.9
	(99.830. N/M2)	500	84.8	87.4	88.1	87.5	85.5	86.8	85.5	84.3	82.8	81.3						119.4
TAMB	82. DEG F	630	86.1	88.9	89.1	89.3	88.0	88.1	86.0	85.3	83.8	81.8						128.7
	(301. DEG K)	800	83.3	87.6	89.8	90.8	89.2	89.1	86.3	84.8	82.5	80.6						121.1
TNET	72. DEG F	1000	80.1	84.9	88.8	89.5	88.5	86.6	84.8	83.1	79.8	78.1						119.5
	(295. DEG K)	1250	80.8	85.2	90.6	91.3	90.2	88.1	85.8	83.9	79.8	77.3						121.0
HACT	16.66 GM/M3	1600	77.8	83.0	89.1	90.8	88.7	86.6	84.1	82.9	79.5	76.4						119.8
	(0.1666 KG/M3)	2000	78.1	84.2	89.6	91.8	89.0	86.6	83.6	82.2	78.8	76.4						120.2
NFA	9449. RPM	2500	84.8	89.7	94.6	96.7	94.2	91.6	87.6	85.2	82.0	79.1						125.1
	(969. RAD/SEC)	3150	86.8	91.9	96.3	98.5	97.2	94.1	90.4	87.5	84.2	80.8						127.3
NFK	9246. RPM	4000	85.9	91.4	95.2	98.6	97.6	95.3	92.1	88.7	84.9	80.5						127.7
	(968. RAD/SEC)	5000	85.4	91.8	95.2	98.8	97.7	94.5	91.0	87.4	83.8	81.0						127.5
NFD	11517. RPM	6300	86.7	92.7	96.9	99.3	98.4	94.2	90.1	86.2	83.7	81.5						128.1
	(1206. RAD/SEC)	8000	85.2	92.1	95.2	97.7	96.9	95.3	91.5	87.4	83.9	81.1						127.3
NO. OF BLADES	18	10000	85.5	93.6	96.5	97.9	97.1	95.5	92.4	87.9	83.8	81.8						128.0
FAN TIP SPEED	16000	12500	85.4	93.1	96.6	97.6	97.1	95.1	92.7	88.5	84.1	81.6						128.1
	825. FT/SEC	16000	85.0	92.5	95.2	96.2	96.0	94.6	93.3	88.0	83.8	81.4						127.6
		20000	83.1	92.2	95.0	96.2	95.8	95.0	93.1	88.2	84.2	82.3						128.0
		25000	83.0	90.8	94.9	95.3	95.2	93.7	92.3	87.8	82.9	82.1						127.8
		31500	80.2	90.2	93.3	93.9	93.0	92.8	91.0	86.5	82.4	80.8						127.3
		40000	75.4	88.5	90.1	90.3	90.6	89.6	88.8	84.4	79.8	77.8						125.8
		50000	70.1	82.7	84.8	85.9	88.9	85.3	85.5	79.3	76.8	73.5						123.4
		63000	69.3	76.2	76.9	77.5	79.1	78.0	77.8	71.2	71.0	67.9						118.5
		80000	70.2	71.8	70.5	71.6	72.3	72.0	71.9	68.9	71.2	69.1						117.5
OVERALL MEASURED																		
OVERALL CALCULATED		103.0	105.9	108.1	109.5	108.6	107.1	105.2	102.5	100.2	99.1							108.3
PNDB		111.9	116.3	119.6	121.5	120.3	118.4	115.6	112.9	109.9	107.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLE FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	10. (0.)	20. (0.)	30. (0.)	40. (0.)	
SIDELINE 900. FT. (152.40 M)	50	62.9	68.9	71.7	73.2	72.1	73.1	73.8	72.2	70.8	70.9						
NFA (262. RPM)	80	61.9	66.0	68.4	70.2	71.6	72.7	70.4	68.5	66.6	65.7						
(279. RAD/SEC)	100	64.1	70.2	72.3	73.2	73.7	75.3	76.0	75.2	73.5	72.5						
NFK (264. RPM)	125	57.1	64.9	69.3	71.7	72.2	72.3	70.5	70.0	68.3	67.1						
(273. RAD/SEC)	160	52.3	59.9	63.7	65.1	65.4	66.6	65.8	64.8	63.1	61.1						
NPD (340. RPM)	200	53.0	61.1	64.4	66.6	66.7	67.7	66.1	65.6	63.9	61.4						
(324.4. RPM)	250	49.7	59.4	64.8	67.9	67.7	68.5	66.2	64.9	62.4	59.9						
(340. RAD/SEC)	315	45.8	56.2	63.2	66.3	66.7	65.7	64.5	62.9	59.4	57.2						
AIRFLOW RATIO	400	45.9	56.0	64.8	67.7	68.2	67.0	65.3	63.5	59.2	56.2						
W/FWM 12.60	500	42.3	53.3	63.0	66.9	66.4	65.3	63.3	62.3	58.7	55.0						
VEHICLE CONFIG	630	48.5	59.5	68.1	72.6	71.8	70.0	66.6	64.3	60.9	57.5						
UTMSH GOS	800	49.6	61.1	69.3	73.9	74.2	72.2	69.0	66.3	62.9	58.7						
LOC SCHENECTADY	1000	47.9	60.0	67.8	73.6	74.2	73.1	70.4	67.2	63.2	58.3						
DATE 7/8/75	1250	46.3	59.7	67.2	73.4	74.0	71.9	69.0	65.6	61.8	58.4						
RUN TAPE 33/4	1600	46.4	59.8	68.2	73.3	74.3	71.1	67.7	64.0	61.3	58.5						
FAN TIP SPEED 825. FT/SEC	2000	43.6	58.3	65.8	71.2	72.3	71.8	68.6	64.8	61.1	57.6						
	2500	42.7	58.9	66.5	70.9	72.0	71.7	69.3	64.9	60.7	58.0						
	3150	40.6	57.1	65.7	69.8	71.4	70.6	69.0	65.1	60.4	57.2						
	4000	37.2	54.7	62.9	67.3	69.3	69.3	68.7	63.7	59.2	56.1						
	5000	33.9	53.4	62.1	66.9	68.8	69.5	68.4	63.7	59.5	56.7						
	6300	28.8	48.9	59.7	64.1	66.6	66.7	66.2	62.0	56.9	55.1						
	8000	18.3	43.3	54.4	59.7	61.9	63.7	62.9	58.8	54.2	51.4						
OVERALL CALCULATED	10000	2.9	32.8	46.1	52.2	56.2	57.4	57.9	53.9	48.9	45.7						
PND8	70.6	76.7	81.0	84.3	84.9	84.7	83.5	81.6	79.4	77.9							
	69.7	83.1	90.6	94.9	96.0	95.6	93.8	90.4	86.5	83.6							

SIDELINE 200. FT. (60.96 M)	50	72.7	77.9	80.3	81.6	80.4	81.4	82.0	80.4	79.0	79.2					
	63	72.0	75.2	77.2	78.7	80.1	81.1	78.7	76.9	75.0	74.1					
	80	76.3	79.6	80.1	80.6	82.0	83.7	84.1	82.5	81.1	79.0					
	100	74.8	79.9	81.5	82.1	82.4	83.9	84.5	83.7	82.1	81.2					
	125	68.1	74.8	78.6	80.7	81.1	81.1	79.2	78.7	77.0	75.9					
	160	63.8	70.1	73.3	74.4	74.5	75.5	74.7	73.6	71.9	70.0					
	200	64.6	71.5	74.1	76.0	75.9	76.7	75.1	74.5	72.9	70.5					
	250	61.6	70.1	74.8	77.4	77.0	77.7	75.3	74.0	71.5	69.1					
	315	58.1	67.1	73.4	76.1	76.2	75.1	73.7	72.1	68.7	66.5					
	400	58.6	67.2	75.3	77.7	77.8	76.5	74.7	72.9	68.6	65.7					
	500	55.3	64.8	73.6	77.1	76.2	74.9	72.9	71.8	68.3	64.7					
	630	62.0	71.4	79.0	82.9	81.6	79.9	76.3	74.1	70.7	67.3					
	800	63.6	73.4	80.5	84.5	84.4	82.2	79.0	76.2	72.8	68.7					
	1000	62.4	72.6	79.3	84.5	84.7	83.3	80.6	77.3	73.4	68.6					
	1250	61.5	72.8	79.0	84.5	84.8	82.4	79.4	75.9	72.2	68.9					
	1600	62.3	73.4	80.5	84.9	85.3	81.9	78.4	74.6	72.0	69.3					
	2000	60.3	72.5	78.6	83.1	83.7	82.9	79.6	75.7	72.1	68.7					
	2500	60.3	73.7	79.8	83.2	83.8	83.1	80.5	76.1	71.9	69.4					
	3150	59.5	72.8	79.6	82.7	83.6	82.5	80.7	76.7	72.1	69.1					
	4000	58.1	71.7	77.9	81.1	82.4	81.9	81.1	76.1	71.6	68.7					
	5000	55.9	71.3	77.7	81.2	82.3	82.5	81.2	76.5	72.3	69.8					
	6300	54.1	69.0	77.0	79.9	81.5	81.0	80.2	75.9	70.8	69.4					
	8000	48.8	66.9	74.5	77.9	78.8	79.8	78.6	74.4	70.0	67.6					
OVERALL CALCULATED	10000	40.6	61.4	70.1	73.5	75.9	76.2	76.1	72.0	67.2	64.4					
PND8	81.3	87.5	92.0	95.2	95.6	94.9	93.5	91.0	88.5	86.9						
	85.9	97.7	104.0	107.3	108.0	107.2	105.5	101.8	97.9	95.2						

Run 33/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM	PROC. DATE = MONTH 7 DAY 21 HR. 10.1												
	MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70. PERCENT REL. HUM., EAV)												
	ANGLES FROM INLET IN DEGREES (AND RADIANs)												
	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)	
	50												
	63												
RADIAL 17. FT.	80												
VEHICLE 5. M)	100	89.8	88.4	86.1	84.5	83.0	83.0	86.5	87.3	87.0	85.8		119.4
VEHICLE UWSIM	125	92.8	90.6	89.8	87.3	88.9	90.3	90.3	89.6	89.5	89.3		123.5
CONFIG 605	160	92.3	94.4	95.1	95.0	93.3	91.5	91.5	91.3	90.8	90.1		126.3
LOC SCHENECTADY	200	93.8	93.8	92.6	93.0	93.3	93.0	91.0	88.8	86.8	85.6		125.1
DATE 7/8/75	250	98.0	97.9	95.6	94.3	94.7	95.3	95.2	94.0	92.8	90.5		128.5
RUN 33/5	315	96.3	98.4	97.3	96.0	95.5	96.0	96.3	95.5	94.0	93.3		129.5
TAPE	400	90.3	93.1	94.8	95.0	94.3	93.6	92.0	91.1	89.8	89.1		126.3
BAR 29.6 HG	500	86.8	89.4	90.3	89.0	88.0	88.1	87.3	86.1	84.5	82.8		121.1
(99.830. N/M2)	630	88.3	90.7	90.6	91.1	89.8	89.3	88.0	87.3	85.5	84.3		122.4
TAMB 41. DEG F	800	85.6	89.1	91.1	91.3	90.2	89.8	88.5	86.3	84.8	82.8		122.3
(300. DEG K)	1000	82.1	85.6	89.1	90.3	89.2	88.1	86.5	84.3	81.8	79.6		120.5
TACT 72. DEG F	1250	82.1	86.2	91.3	92.3	91.0	89.4	86.6	84.9	81.5	79.1		121.0
(295. DEG K)	1600	79.6	84.7	89.9	91.5	89.7	88.1	86.1	84.2	80.8	78.1		120.0
HACT 18.96 GM/M3	2000	79.6	85.2	89.6	92.0	89.7	87.9	85.6	83.5	80.0	77.4		120.9
(1.01696 KG/M3)	2500	84.5	89.5	93.6	95.2	93.2	90.9	87.6	85.5	82.0	79.1		124.1
NFA 1025. RPM	3150	88.3	93.2	96.6	99.7	97.7	95.4	91.0	89.7	85.7	81.9		128.3
(1050. RAD/SEC)	4000	88.2	93.1	96.5	99.8	99.3	97.3	93.6	90.4	86.6	83.0		129.2
NFK 949. RPM	5000	86.1	92.1	96.2	98.8	98.0	95.5	92.5	89.7	86.1	82.5		128.1
(1028. RAD/SEC)	6300	88.9	94.5	98.1	100.0	99.0	97.9	93.1	89.0	86.7	84.3		129.8
NFD 1151. RPM	8000	86.9	93.4	96.7	98.7	97.7	95.3	93.0	89.9	85.7	83.1		128.5
(1206. RAD/SEC)	10000	87.5	95.3	98.2	99.1	99.3	97.3	94.7	90.6	86.3	84.1		129.8
NO. OF BLADES 18	12500	88.2	94.6	97.3	98.3	98.8	97.0	95.0	91.3	86.5	83.9		129.6
FAN TIP SPEED	16000	87.0	93.5	96.5	97.5	97.2	96.3	95.2	90.2	86.2	83.6		129.1
875. FT/SEC	20000	85.3	93.4	96.2	97.4	97.0	96.8	94.9	90.7	86.5	84.5		129.5
	25000	85.2	93.0	95.6	96.5	96.4	96.1	94.5	90.7	86.6	84.0		129.6
	31500	82.6	91.9	94.3	95.6	94.9	95.3	93.7	90.0	86.1	83.3		129.4
	40000	76.3	89.2	91.5	92.2	92.8	91.8	91.2	86.9	83.3	80.8		127.9
	50000	70.5	84.6	86.5	87.1	89.0	87.4	87.4	81.7	79.2	76.4		125.4
	63000	67.9	77.3	78.3	78.9	81.5	79.3	79.9	73.5	72.9	69.0		120.3
	80000	70.0	72.1	71.6	71.9	73.1	72.6	71.9	68.7	71.0	68.9		117.8
OVERALL MEASURED													
OVERALL CALCULATED	PNCB	104.2	107.2	109.1	110.4	109.8	108.6	106.7	104.2	101.6	100.2		141.6
		113.3	117.5	120.2	122.3	121.6	119.9	117.0	114.5	111.5	98.8		

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. DAY)									
		ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
SIDELINE 500. FT. (152.40 M)	50	62.4	68.9	72.2	73.9	73.3	72.4	72.8	72.7	72.1	70.9
	63	63.4	67.8	69.4	71.7	73.1	73.7	72.1	70.3	67.9	66.2
	80	67.1	71.6	72.1	72.7	74.4	75.7	76.1	75.1	73.7	71.0
	100	64.9	71.7	73.6	74.2	74.9	76.3	77.0	76.4	74.7	73.5
NFA 824. RPM (296. RAD/SEC)	125	58.4	66.1	70.8	72.9	73.4	73.6	72.5	71.7	70.3	69.1
	160	54.3	61.9	65.9	66.6	66.9	67.9	67.6	66.5	64.8	62.6
NFK 2766. RPM (290. RAD/SEC)	200	55.3	62.8	65.9	68.4	68.5	68.9	68.1	67.6	65.6	63.9
	250	52.0	60.9	66.0	68.4	68.7	69.2	68.4	66.4	64.7	61.9
NPD 3244. RPM (340. RAD/SEC)	315	47.8	56.9	63.7	67.1	67.5	67.2	66.2	64.2	61.4	58.7
	400	47.2	57.0	65.6	68.7	68.9	68.3	66.0	64.5	61.0	58.0
AIRFLOW RATIO	500	44.0	55.0	63.7	67.7	67.4	66.8	65.3	63.5	60.0	56.7
WF/WH 12.60	630	48.2	59.3	67.1	71.1	70.8	69.3	66.6	64.6	60.9	57.5
	800	51.1	62.4	69.6	75.1	74.7	73.4	70.5	68.6	64.3	59.9
VEHICLE CONFIG	1000	50.2	61.7	69.0	74.6	76.0	75.1	71.9	69.0	65.0	60.8
UTMSIM G05	1250	47.1	60.0	68.2	73.4	74.3	72.9	70.5	67.8	64.0	59.9
LOC SCHENECTADY	1600	48.7	61.5	69.5	74.1	75.8	74.9	70.7	66.8	64.3	61.2
DATE 7/8/75	2000	45.4	59.5	67.3	72.2	73.0	72.8	70.1	67.3	62.8	59.6
RUN 33/5	2500	44.7	60.7	68.3	72.1	74.3	73.4	71.5	67.7	63.2	60.2
TAPE	3150	43.4	58.6	66.4	70.6	73.1	72.6	71.3	67.8	62.8	59.4
FAN TIP SPEED	4000	39.2	55.6	64.1	68.6	70.6	71.0	70.7	66.0	61.7	58.3
875. FT/SEC	5000	36.1	54.7	63.3	68.1	70.0	71.2	70.1	66.2	61.7	58.9
	6300	31.0	51.1	60.4	65.4	67.9	69.2	68.4	65.0	60.6	57.1
	8000	20.7	45.0	55.4	61.4	63.9	66.1	65.6	62.2	57.9	54.1
	10000	3.6	35.3	47.5	54.1	58.3	59.6	60.3	56.3	52.3	48.6
OVERALL CALCULATED		71.6	78.0	81.9	85.1	86.1	86.0	84.8	83.0	80.9	78.9
PND8		71.3	84.6	91.9	95.9	97.5	97.3	95.8	92.8	88.8	85.6

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	50	72.2	77.9	80.8	82.3	81.6	80.6	81.0	80.9	80.3	79.2
	63	73.5	77.0	78.2	80.2	81.6	82.1	80.4	78.4	76.2	74.6
SIDELINE 200. FT. (60.96 M)	80	77.5	81.1	81.1	81.4	83.0	84.2	84.6	83.5	82.1	79.5
	100	75.6	81.4	82.7	83.1	83.6	84.9	85.5	85.0	83.3	82.2
	125	69.4	76.0	80.1	82.0	82.3	82.4	81.2	80.4	79.0	77.9
	160	65.6	72.1	75.5	75.9	76.0	76.8	76.4	75.4	73.7	71.5
	200	66.9	73.2	75.6	77.8	77.6	78.0	77.1	76.5	74.6	73.0
	250	63.9	71.6	76.0	77.9	78.0	78.4	77.5	75.5	73.8	71.1
	315	60.1	67.9	73.9	76.8	76.9	76.6	75.5	73.4	70.7	68.0
	400	59.9	68.2	76.0	78.7	78.6	77.8	75.4	73.9	70.4	67.5
	500	57.1	66.6	74.4	77.8	77.2	76.4	74.9	73.1	69.5	66.4
	630	61.8	71.1	78.0	81.4	80.6	79.1	76.3	74.3	70.7	67.3
	800	65.1	74.6	80.8	85.7	84.9	83.5	80.5	78.5	74.3	70.0
	1000	64.7	74.4	80.5	85.5	86.5	85.3	82.1	79.1	75.1	71.1
	1250	62.2	73.0	80.0	84.5	85.0	83.4	80.9	78.2	74.4	70.4
	1600	64.5	75.1	81.0	85.6	86.8	85.7	81.4	77.4	75.0	72.0
	2000	62.1	73.7	80.1	84.1	84.4	83.9	81.1	78.2	73.8	70.7
	2500	62.3	75.4	81.5	84.4	86.0	84.9	82.8	78.9	74.4	71.7
	3150	62.2	74.3	80.3	83.5	85.4	84.5	83.0	79.4	74.5	71.3
	4000	60.1	72.7	79.1	82.4	83.6	83.6	83.1	78.3	74.1	71.0
	5000	58.1	72.5	78.9	82.4	83.5	84.3	82.9	78.9	74.5	72.0
	6300	56.4	71.2	77.8	81.2	82.7	83.4	82.4	78.8	74.5	71.3
	8000	51.2	68.6	75.5	79.6	80.7	82.3	81.3	77.8	73.7	70.3
	10000	41.3	64.0	71.5	75.4	78.1	78.4	78.6	74.4	70.6	67.4
OVERALL CALCULATED		82.4	88.8	93.0	96.0	96.8	96.4	95.0	92.7	90.2	88.1
PND8		88.0	99.2	105.0	108.2	109.4	109.0	107.4	104.2	100.2	97.2

Run 33/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (90 DEC. F. 70 PERCENT REL. HUM. FAV)												PROC. DATE - MONTH 7 DAY 21 HR. 10.2					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50		92.8	87.9	80.3	81.5	83.3	85.8	87.0	87.6	86.8	86.6							120.3	
63		94.0	91.4	89.8	89.5	89.3	91.3	91.3	90.8	90.8	90.8							124.5	
80		96.5	96.9	96.3	96.3	96.5	95.0	93.3	90.8	89.3	88.3							127.8	
100		98.8	98.6	96.3	95.5	96.0	97.0	96.7	95.5	94.0	92.0							128.0	
125		98.3	99.6	98.8	97.3	96.7	97.0	97.5	96.8	95.3	94.6							128.0	
150		93.5	94.4	96.8	96.5	95.8	94.8	93.5	93.3	91.8	90.6							127.7	
175		89.1	90.9	91.1	91.0	89.5	89.6	89.0	87.8	86.3	84.8							124.0	
200		90.8	92.2	92.1	92.3	91.3	91.1	89.5	89.3	87.0	85.8							124.1	
250		88.1	90.4	92.1	93.0	92.2	91.8	89.8	88.6	87.0	84.8							122.0	
300		85.6	87.1	90.1	91.3	90.5	89.6	88.3	86.3	83.5	81.6							123.2	
350		84.6	87.2	92.1	93.8	91.7	90.6	88.3	86.4	83.3	80.6							122.3	
400		82.3	85.5	91.1	92.8	91.5	89.4	87.6	85.9	82.3	79.9							121.7	
450		82.6	86.0	89.6	92.0	91.2	89.1	86.9	84.7	81.8	78.9							123.9	
500		85.5	89.2	91.9	95.2	93.2	90.6	87.9	86.2	82.8	79.6							129.4	
550		91.8	94.9	97.1	100.5	99.2	96.4	93.4	90.0	87.5	84.1							130.5	
600		91.4	94.6	98.0	101.1	100.3	98.6	95.1	92.2	88.6	85.0							129.6	
650		89.1	93.8	96.9	100.0	99.7	97.2	94.3	91.2	87.6	84.2							131.0	
700		93.7	96.0	98.4	101.0	101.2	98.9	95.1	91.2	88.0	85.5							129.5	
750		90.2	94.9	97.2	99.2	98.7	97.5	94.5	91.4	87.7	84.3							131.2	
800		90.8	96.6	99.5	100.4	99.8	99.5	96.4	92.9	88.3	85.6							131.2	
850		90.9	96.3	99.1	100.1	100.1	98.3	96.7	92.8	88.8	86.4							130.6	
900		90.0	95.0	97.5	98.7	98.8	98.1	97.0	92.5	88.5	85.9							131.3	
950		88.1	95.4	98.0	99.2	98.3	98.3	97.4	93.2	89.0	87.3							131.5	
1000		88.0	95.1	97.4	98.3	98.2	97.7	96.8	93.0	88.9	87.3							131.4	
1050		85.7	93.7	96.6	97.1	97.0	97.1	95.8	92.8	88.6	86.1							130.0	
1100		79.8	91.0	93.1	93.8	94.6	93.9	93.6	89.4	86.1	83.6							127.7	
1150		72.8	86.5	88.1	89.4	91.1	89.5	90.3	84.8	82.3	79.2							122.3	
1200		69.0	79.0	80.4	80.8	82.9	82.0	82.1	75.9	75.3	71.4							119.2	
1250		70.4	73.1	73.0	73.6	74.8	74.0	73.6	70.1	71.4	69.1							149.2	
OVERALL MEASURED																			
OVERALL CALCULATED		106.5	106.8	110.3	111.6	111.2	110.1	108.5	105.9	103.4	101.8								
PNDB		116.3	118.9	121.2	123.5	122.7	121.2	118.5	116.1	113.2	110.5								

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT)												
		ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		20	30	40	50	60	70	80	90	100	110	120	130	140
		FREQ. (10.35)	(10.52)	(10.70)	(10.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)	(2.43)
SIDELINE	500. FT.	50	64.9	70.9	73.7	75.4	76.1	73.4	74.1	73.5	72.6	71.4	69.0	67.5
	(152.40 M)	63	66.2	71.0	73.2	74.9	76.4	75.7	74.4	72.0	70.4	69.0	67.5	66.0
NFA	989. RPM	80	67.9	72.3	72.8	73.9	75.6	77.5	77.6	76.8	74.9	72.5	70.6	69.0
	(313. RAD/SEC)	100	66.9	73.0	74.8	75.4	76.2	77.3	78.2	77.7	76.0	74.8	72.3	70.6
NFK	2925. RPM	125	61.6	67.4	67.8	74.4	74.9	74.8	74.0	74.0	72.3	70.6	69.0	67.5
	(306. RAD/SEC)	160	56.6	63.4	66.7	68.6	68.4	69.4	69.3	68.3	66.6	64.6	63.0	61.5
NFD	3244. RPM	200	57.8	64.3	67.4	69.6	70.0	70.7	69.6	69.6	67.1	65.4	63.8	62.2
	(340. RAD/SEC)	250	54.5	62.1	67.0	70.1	70.7	71.2	69.7	68.6	66.9	64.2	62.6	61.0
AIRFLOW RATIO		315	51.3	53.4	64.7	68.1	68.7	68.7	68.0	66.2	63.2	60.7	59.1	57.5
	Wf/WH 12.60	400	49.7	58.0	66.3	70.2	69.7	69.5	67.8	66.0	62.7	59.5	57.9	56.3
VEHICLE	UTM 1H	500	46.8	55.8	65.0	68.9	69.1	68.0	66.8	65.3	61.5	58.5	56.9	55.3
CONFIG	G05	630	46.2	55.7	63.0	67.8	68.6	67.5	65.8	63.8	60.7	57.2	55.6	54.0
LOC	SCHENECTADY	800	48.4	58.4	64.8	70.6	70.2	68.7	66.5	65.0	61.4	57.7	56.1	54.5
DATE	7/8/75	1000	53.7	63.5	69.6	75.5	75.8	74.1	71.7	68.5	65.8	61.8	59.2	57.6
RUN	33/6	1250	52.4	62.5	69.9	75.7	76.6	75.9	73.1	70.4	66.6	62.4	60.8	59.2
TAPE		1600	48.8	60.8	68.2	74.0	75.5	74.1	71.8	68.9	65.1	61.1	59.5	57.9
FAN TIP SPEED		2000	52.0	62.0	68.9	74.4	76.4	75.4	72.2	68.5	65.0	61.9	59.3	57.7
	926. FT/SEC	2500	47.2	60.1	67.1	72.1	73.5	73.5	71.2	68.3	64.4	60.4	58.8	57.2
OVERALL CALCULATED		3150	45.8	60.4	68.4	72.4	73.9	74.9	72.5	69.2	64.4	61.2	59.6	58.0
PND8		4000	42.8	58.1	66.4	70.9	73.1	72.7	71.9	68.2	64.0	60.8	59.2	57.6
		5000	40.3	55.9	64.1	69.0	71.3	72.1	71.8	67.6	63.3	59.9	58.3	56.7
		6300	33.3	52.8	62.1	67.4	69.1	70.7	70.7	66.8	62.3	59.7	58.1	56.5
		8000	25.2	47.2	57.6	63.3	68.2	67.8	67.7	64.3	59.9	57.2	55.6	54.0
		10000	11.8	38.6	51.3	57.6	61.2	63.5	63.5	60.9	56.3	52.6	51.0	49.4
		OVERALL CALCULATED	73.5	79.4	83.0	86.1	87.2	87.0	86.1	84.4	82.2	80.3	78.4	76.5
		PND8	74.7	85.6	92.8	97.1	98.4	98.8	97.1	94.2	90.3	87.2	85.3	83.4

SIDELINE	200. FT.	50	74.7	79.9	82.3	83.8	84.4	81.6	82.3	81.7	80.8	79.7	78.6	77.5
	(60.96 M)	63	76.3	80.2	82.0	83.5	84.8	84.1	82.7	80.4	78.7	77.3	76.2	75.1
		80	78.3	81.8	81.8	82.6	84.2	85.0	86.1	85.0	83.4	81.0	79.4	77.8
		100	77.6	82.7	84.0	84.3	84.9	85.9	86.8	86.2	84.6	83.4	82.2	81.0
		125	72.6	77.3	82.1	83.5	83.8	83.6	82.7	82.7	81.0	79.4	77.8	76.2
		160	67.9	73.6	78.3	77.9	77.5	78.3	78.2	77.1	75.4	73.5	71.9	70.3
		200	69.4	74.7	77.1	79.0	79.1	79.7	78.6	78.5	76.1	74.5	72.9	71.3
		250	66.4	72.8	77.0	79.7	80.0	80.4	78.8	77.7	76.0	73.4	71.8	70.2
		315	63.6	69.4	74.9	77.8	78.2	78.1	77.2	75.4	72.4	70.0	68.4	66.8
		400	62.4	69.2	76.6	80.2	79.3	79.0	77.2	75.4	72.1	69.0	67.4	65.8
		500	59.8	67.3	75.6	79.1	79.0	77.7	76.4	74.8	71.0	68.2	66.6	65.0
		530	59.8	67.6	74.0	78.2	78.6	77.3	75.5	73.5	70.4	67.1	65.5	63.9
		800	62.4	70.6	76.0	81.3	80.5	78.7	76.4	74.9	71.3	67.7	66.1	64.5
		1000	66.2	76.1	81.1	86.3	86.3	84.3	81.8	78.6	75.9	72.1	70.5	68.9
		1250	67.5	75.6	81.8	86.8	87.3	85.4	83.4	80.7	77.0	72.9	71.3	69.7
		1600	64.7	74.4	80.5	85.5	86.6	84.9	82.5	79.5	75.7	71.9	70.3	68.7
		2000	68.7	76.2	81.7	86.4	87.9	86.5	83.2	79.4	76.0	73.1	71.5	69.9
		2500	64.8	74.9	80.3	84.4	85.2	85.0	82.4	79.5	75.6	71.8	70.2	68.6
		3150	64.7	76.1	82.3	85.3	86.2	86.8	84.2	80.8	76.1	73.1	71.5	69.9
		4000	63.7	75.2	81.4	84.6	86.1	85.3	84.3	80.5	76.4	73.4	71.8	70.2
		5000	62.3	73.7	79.7	83.3	84.8	85.1	84.6	80.3	76.1	72.9	71.3	69.7
		6300	58.6	73.0	79.5	83.2	83.9	85.0	84.7	80.7	76.3	73.9	72.3	70.7
		8000	55.7	70.9	77.7	81.4	83.1	83.7	83.5	79.9	75.6	73.4	71.8	70.2
		10000	49.5	67.2	75.2	79.0	80.9	82.3	81.7	79.0	74.6	71.3	69.7	68.1
OVERALL CALCULATED		84.4	90.1	93.9	97.0	97.9	97.5	96.3	94.2	91.6	89.5	87.4	85.3	83.2
PND8		91.0	100.5	106.2	109.6	110.5	110.5	108.6	105.7	101.9	99.0	97.4	95.3	93.2

Run 33/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY) PROC. DATE = MONTH 7 DAY 21 HR. 10.2

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	0	0
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	(0.	(0.
RADIAL 17. FT. (5. M)	50																		
VEHICLE UTMSIM	100	93.0	90.3	84.0	83.5	84.8	86.0	86.5	87.0	86.3	85.3								120.5
CONFIG G05	125	95.3	93.0	92.3	92.5	91.5	92.3	91.5	90.0	89.0	89.3								125.2
LOC SCHENECTADY	160	94.3	93.5	94.5	94.3	92.3	92.8	92.5	90.5	89.0	89.1								120.0
DATE 7/8/75	200	100.2	101.0	101.5	101.2	99.7	98.5	95.5	94.5	92.3	92.1								131.9
RUN 33/7	250	101.2	101.2	100.7	99.0	98.0	97.2	96.0	94.7	93.0	90.8								131.2
TAPE	315	99.2	101.7	102.2	101.7	100.2	99.0	98.0	96.7	95.0	94.1								132.0
BAR 29.6 HG	400	95.0	97.0	99.0	99.7	98.7	98.0	96.3	95.0	93.0	92.3								130.6
(99830. N/M2)	500	90.5	93.0	95.0	94.5	93.5	92.8	90.5	89.8	87.0	85.6								125.5
TAMB 86. DEG F	630	91.3	93.8	95.0	95.0	94.5	93.1	91.8	90.5	88.0	86.6								120.2
(303. DEG K)	800	89.5	90.8	93.5	94.8	93.7	93.1	91.5	89.8	88.0	86.3								125.5
TNET 73. DEG F	1000	86.0	88.5	92.2	94.2	93.0	91.8	90.3	88.0	85.8	83.1								124.2
(296. DEG K)	1250	85.8	87.6	92.3	95.0	94.2	92.3	90.8	88.8	85.8	82.6								124.8
MACT 16.41 GM/M3	1600	84.0	87.3	91.3	94.3	94.0	92.1	90.1	88.1	84.8	82.4								124.3
(0.1641 KG/M3)	2000	85.8	87.6	89.8	94.0	93.0	91.6	88.9	87.4	84.3	81.4								123.6
NFA 11798. RPM	2500	87.8	89.8	92.0	95.2	93.9	92.6	89.6	87.4	84.3	81.9								124.7
(1235. RAD/SEC)	3150	93.7	96.1	97.8	100.2	99.4	97.1	93.4	91.4	88.0	84.1								129.7
NFK 11502. RPM	4000	97.1	98.3	100.7	102.3	103.6	101.3	98.1	94.9	91.1	87.1								132.2
(1204. RAD/SEC)	5000	95.6	97.2	98.9	101.5	102.2	100.7	97.8	93.9	91.1	86.7								132.2
NFD 11517. RPM	6300	98.1	99.6	101.1	102.8	102.9	100.9	97.4	93.9	91.0	87.8								133.2
(1206. RAD/SEC)	8000	97.4	100.0	100.9	102.7	102.7	101.2	97.5	94.1	90.9	88.1								133.3
NC. OF BLADES 18	10000	95.8	99.4	101.2	102.3	102.8	102.0	98.9	95.6	92.1	89.3								133.7
PAN TIP SPEED 1030. FT/SEC	12500	96.2	99.5	101.3	102.3	102.4	101.8	100.0	96.3	92.6	90.2								134.0
	16000	95.7	98.2	101.2	101.5	102.0	101.6	100.3	95.7	92.3	90.2								134.0
	20000	93.6	98.2	101.0	102.0	101.8	101.6	100.7	96.5	93.0	92.1								134.0
	25000	93.3	98.0	100.4	101.4	101.8	101.2	100.3	96.5	93.2	91.4								134.9
	31500	90.7	96.7	99.6	100.7	100.8	100.2	99.1	96.1	92.7	91.0								134.9
	40000	87.6	93.3	96.4	96.9	97.5	97.5	97.7	92.8	90.0	88.3								133.4
	50000	84.3	89.8	92.0	93.1	94.6	93.2	94.2	88.7	87.1	84.0								131.5
	63000	84.1	82.9	84.7	85.1	87.5	86.0	86.7	80.4	79.9	75.4								120.9
	80000	80.6	80.9	80.7	81.3	82.0	81.7	82.1	79.3	73.9	65.6								120.6
OVERALL MEASURED																			149.9
OVERALL CALCULATED		109.6	111.5	113.0	114.0	113.9	112.8	111.0	107.9	105.1	103.4								
PND8		120.2	121.7	123.5	125.1	125.4	123.9	120.8	118.2	115.1	112.2								

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. LAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANs)

	FREQ.	ANGLE															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.78)	(1.07)	(1.45)	(1.82)	(2.20)	(2.57)	(2.95)	(3.32)	(3.70)	(4.08)	(4.45)	(4.83)	(5.21)	
	50	64.4	68.0	71.6	75.1	78.3	81.6	84.9	88.1	91.2	94.3	97.4	100.5	103.6	106.7	109.8	
SIDELINE 500. FT.	63	69.9	75.1	78.3	79.9	79.6	79.2	76.6	75.7	73.4	72.7	71.2	70.3	69.9	69.9	69.9	
(192.40 M)	80	70.3	75.0	77.3	77.4	77.6	77.7	76.9	75.8	73.9	71.2	71.2	71.2	71.2	71.2	71.2	
NFA (323. RPM)	100	67.9	75.1	78.5	79.9	79.6	79.2	78.7	77.6	75.7	74.3	74.3	74.3	74.3	74.3	74.3	
(348. RAD/SEC)	125	63.1	70.0	74.9	77.6	77.9	78.1	76.8	75.7	73.6	72.3	72.3	72.3	72.3	72.3	72.3	
NFK (240. RPM)	160	58.0	65.6	70.6	72.1	72.4	72.6	70.8	70.2	67.3	65.4	65.4	65.4	65.4	65.4	65.4	
(339. RAD/SEC)	200	58.2	65.9	70.3	72.4	73.2	72.7	71.9	70.8	68.1	66.2	66.2	66.2	66.2	66.2	66.2	
NFD (324. RPM)	250	55.9	62.5	68.3	71.8	72.2	72.4	71.4	69.8	67.9	65.7	65.7	65.7	65.7	65.7	65.7	
(340. RAD/SEC)	315	51.8	59.8	66.9	71.0	71.2	71.0	69.9	67.9	65.4	62.2	62.2	62.2	62.2	62.2	62.2	
AIRFLOW RATIO	400	50.9	58.4	66.5	71.5	72.2	71.2	70.2	68.4	64.5	61.5	61.5	61.5	61.5	61.5	61.5	
WF/WM 12:60	500	48.5	57.6	65.1	70.4	71.6	70.7	69.3	67.5	64.0	61.0	61.0	61.0	61.0	61.0	61.0	
	630	49.3	57.4	63.2	69.8	70.3	70.0	67.8	66.5	63.2	59.7	59.7	59.7	59.7	59.7	59.7	
	800	50.6	59.0	65.0	70.6	70.9	70.6	68.2	66.2	63.1	59.9	59.9	59.9	59.9	59.9	59.9	
VEHICLE CONFIG	1000	55.7	64.6	70.2	75.2	76.1	74.8	71.7	69.9	66.3	61.8	61.8	61.8	61.8	61.8	61.8	
UTS/WM	1250	58.1	66.1	72.6	76.9	79.8	78.6	76.1	73.1	69.1	64.4	64.4	64.4	64.4	64.4	64.4	
GOB	1600	55.3	64.2	70.1	75.5	78.0	77.6	75.3	71.6	68.6	63.8	63.8	63.8	63.8	63.8	63.8	
LCC SCHEDULE	2000	56.5	65.7	71.6	76.2	78.2	77.3	74.4	71.2	68.1	64.2	64.2	64.2	64.2	64.2	64.2	
DATE 7/8/75	2500	54.5	65.2	70.8	75.5	77.5	77.3	74.2	71.0	67.6	64.1	64.1	64.1	64.1	64.1	64.1	
RUN 33/7	3150	50.8	63.3	70.1	74.4	78.9	77.4	75.0	71.9	68.2	64.7	64.7	64.7	64.7	64.7	64.7	
TAPE	4000	48.1	61.3	68.6	73.1	75.3	76.2	75.1	71.7	67.7	64.5	64.5	64.5	64.5	64.5	64.5	
FAN TIP SPEED	5000	46.1	59.0	67.8	71.7	74.6	75.6	75.1	70.8	67.1	64.2	64.2	64.2	64.2	64.2	64.2	
1030. FT/SEC	6300	38.8	56.3	65.1	70.1	72.6	74.0	74.0	70.1	66.4	64.5	64.5	64.5	64.5	64.5	64.5	
	8000	30.5	50.2	60.6	66.3	69.8	71.1	71.3	67.8	64.2	61.3	61.3	61.3	61.3	61.3	61.3	
	10000	16.9	41.6	54.3	61.2	65.0	66.6	66.8	64.2	60.4	57.4	57.4	57.4	57.4	57.4	57.4	
OVERALL CALCULATED		75.6	81.7	85.8	88.5	89.6	89.4	87.8	85.8	83.1	81.1	81.1	81.1	81.1	81.1	81.1	
PND8		78.6	88.7	95.0	99.3	101.2	101.4	99.6	96.7	93.3	90.1	90.1	90.1	90.1	90.1	90.1	

ORIGINAL PAGE IS OF POOR QUALITY

	50	74.2	77.0	80.3	81.6	80.6	81.8	82.0	80.1	78.5	78.2	78.2	78.2	78.2	78.2	78.2
SIDELINE 200. FT.	63	80.0	84.3	87.1	88.5	88.0	87.5	84.9	84.1	81.7	81.1	81.1	81.1	81.1	81.1	81.1
(60.96 M)	80	80.7	84.4	86.3	86.1	86.2	86.2	85.3	84.2	82.4	79.7	79.7	79.7	79.7	79.7	79.7
	100	78.5	84.8	87.7	88.8	88.4	87.9	87.3	86.2	84.3	82.9	82.9	82.9	82.9	82.9	82.9
	125	74.1	79.9	84.3	86.7	86.8	86.8	85.5	84.4	82.3	81.1	81.1	81.1	81.1	81.1	81.1
	150	69.3	75.7	80.2	81.3	81.5	81.5	79.7	79.1	76.2	74.3	74.3	74.3	74.3	74.3	74.3
	200	69.8	76.3	80.1	81.7	82.4	81.7	80.9	79.7	77.1	75.2	75.2	75.2	75.2	75.2	75.2
	250	67.9	73.2	78.4	81.4	81.5	81.6	80.5	78.9	77.0	74.9	74.9	74.9	74.9	74.9	74.9
	315	64.1	70.8	77.0	80.8	80.7	80.3	79.2	77.1	74.7	71.5	71.5	71.5	71.5	71.5	71.5
	400	63.6	69.6	76.9	81.4	81.8	80.7	79.7	77.8	73.9	71.0	71.0	71.0	71.0	71.0	71.0
	500	61.5	69.2	75.8	80.5	81.5	80.4	78.8	77.0	73.5	70.7	70.7	70.7	70.7	70.7	70.7
	630	63.0	69.2	74.1	80.1	80.4	79.8	77.5	76.2	72.9	69.6	69.6	69.6	69.6	69.6	69.6
	800	64.6	71.3	76.2	81.2	81.2	80.7	78.2	76.1	73.1	70.0	70.0	70.0	70.0	70.0	70.0
	1000	70.2	77.3	81.8	86.0	86.5	85.1	81.8	80.0	76.4	72.1	72.1	72.1	72.1	72.1	72.1
	1250	73.2	79.2	84.5	88.1	90.6	89.1	86.4	83.4	79.5	74.9	74.9	74.9	74.9	74.9	74.9
	1600	71.1	77.8	82.4	87.0	89.1	88.4	86.0	82.2	79.2	74.4	74.4	74.4	74.4	74.4	74.4
	2000	73.2	78.9	84.4	88.1	89.6	88.5	85.4	82.2	79.0	75.3	75.3	75.3	75.3	75.3	75.3
	2500	72.0	80.0	84.0	87.9	89.2	88.7	85.4	82.2	78.9	75.6	75.6	75.6	75.6	75.6	75.6
	3150	69.6	79.0	84.0	87.3	89.2	89.3	86.7	83.5	79.9	76.6	76.6	76.6	76.6	76.6	76.6
	4000	68.9	78.3	83.6	86.9	88.4	88.8	87.5	84.0	80.1	77.2	77.2	77.2	77.2	77.2	77.2
	5000	68.1	76.8	83.4	86.0	88.1	88.6	87.9	83.5	79.9	77.2	77.2	77.2	77.2	77.2	77.2
	6300	64.1	76.4	82.5	85.9	87.4	88.2	88.6	83.9	80.3	78.7	78.7	78.7	78.7	78.7	78.7
	8000	61.0	73.8	80.7	84.4	86.7	87.3	87.0	83.5	79.9	77.5	77.5	77.5	77.5	77.5	77.5
	10000	54.6	70.1	78.3	82.5	84.7	85.4	85.1	82.3	78.7	76.2	76.2	76.2	76.2	76.2	76.2
OVERALL CALCULATED		86.9	92.6	96.6	99.3	100.4	100.2	98.6	96.0	93.1	90.9	90.9	90.9	90.9	90.9	90.9
PND8		95.4	103.4	108.4	111.7	113.2	113.1	111.4	108.3	104.9	102.0	102.0	102.0	102.0	102.0	102.0

Run 34/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PRCC. DATE = MONTH 7 DAY 21. NR. 17.1															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																	
63																	
RADIAL 17. FT.																	
(5. M)		100	84.0	81.1	80.3	80.5	83.0	85.4	86.5	86.8	87.1	87.4					119.1
VEHICLE UTMSIM		125	92.8	91.6	90.6	90.5	91.0	93.0	93.8	93.3	94.3	95.1					126.6
CONFIG GOA		160	86.3	87.1	89.3	88.8	86.0	86.3	87.5	85.8	86.3	87.1					120.8
LOC SCHENECTADY		200	85.0	85.4	86.8	87.5	88.8	89.5	87.5	84.8	83.3	82.6					128.4
DATE 7/8/75		250	91.3	90.1	88.1	87.8	88.7	90.5	90.2	89.0	88.0	86.3					122.7
RUN 34/4		315	90.5	92.1	90.1	87.5	87.0	88.3	89.0	88.8	87.8	87.4					122.5
TAP		400	82.5	86.1	87.8	87.5	85.3	84.1	82.8	82.6	82.0	81.1					118.2
BAR 29.5 HG		500	79.1	82.1	82.1	80.0	79.8	79.8	78.8	77.1	75.3	74.1					117.8
(99.803. N/M2)		630	80.8	84.7	85.1	84.1	82.8	81.8	79.8	77.8	78.3	74.9					115.2
TAMB 84. DEG F		800	78.1	85.4	86.3	85.8	83.7	82.1	79.5	76.8	75.0	73.1					115.8
(302. DEG K)		1000	73.8	82.4	84.3	84.0	82.2	80.8	78.8	75.1	72.5	70.9					114.1
TNET 73. DEG F		1250	75.8	83.4	85.9	86.0	84.7	82.6	80.8	77.9	74.3	71.8					110.1
(296. DEG K)		1600	76.3	83.2	88.1	87.8	86.5	84.1	81.9	79.4	75.5	72.4					117.5
HACT 17.00 GM/M3		2000	83.6	93.0	95.6	95.3	94.0	92.4	89.4	86.5	82.3	78.9					125.3
(0.1700 KG/M3)		2500	83.3	91.5	95.6	96.2	94.9	92.9	89.9	86.7	83.3	78.9					123.7
NFA 7128. RPM		3150	80.8	87.7	92.1	93.7	92.2	89.6	86.8	83.5	79.7	76.4					122.7
(746. RAD/SEC)		4000	86.4	92.4	96.0	100.6	100.3	95.8	92.6	88.5	83.9	84.4					129.3
NFK 8962. RPM		5000	83.9	91.3	95.4	97.5	95.7	93.0	89.5	85.2	82.1	79.8					126.3
(729. RAD/SEC)		6300	82.9	90.5	94.9	97.0	94.4	92.9	90.1	85.0	83.2	79.3					125.8
NFD 11517. RPM		8000	82.4	89.9	93.0	94.2	92.9	92.0	88.5	83.8	80.2	77.6					124.1
(1206. RAD/SEC)		10000	81.5	91.1	94.0	94.1	93.6	92.5	88.7	83.9	79.6	77.6					124.7
NO. OF BLADES 18		12500	80.9	89.8	93.1	92.8	92.3	91.3	88.7	83.0	78.8	76.4					123.8
FAN TIP SPEED		16000	80.0	88.3	90.0	91.2	90.0	89.1	86.8	80.3	76.3	73.9					123.8
622. FT/SEC		20000	78.4	86.4	89.0	89.4	88.3	87.5	85.4	79.2	75.5	72.3					126.0
		25000	77.0	84.6	87.2	87.8	87.0	85.4	83.5	77.8	74.7	70.8					128.0
		31500	73.7	83.2	85.3	85.9	85.0	84.3	82.0	76.5	74.1	68.7					128.0
		40000	68.9	78.8	81.3	81.5	81.6	80.4	79.1	72.9	70.8	65.4					128.8
		50000	65.1	75.5	76.7	76.7	78.2	76.3	75.8	68.8	71.1	61.8					114.8
		63000	67.6	69.2	69.9	69.8	71.4	70.2	70.4	64.7	72.1	58.2					112.1
		80000	69.9	71.3	70.6	71.2	71.8	71.3	71.9	68.6	68.2	59.5					116.8
OVERALL MEASURED																	
OVERALL CALCULATED		99.1	103.0	105.6	106.9	105.9	104.2	102.0	99.5	98.4	98.2						237.3
PNDB		109.6	115.3	118.4	120.9	120.1	117.2	114.5	111.1	107.9	106.9						

FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT WGL HUM. 44%)																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)																																																																																																																																																																																																																																																																																																																																																																																																																																									
SIDELINE 500. FT. (152.40 M)	50	56.4	61.6	66.5	67.7	66.1	67.1	68.8	67.2	67.6	68.0						NFA (200. RPM)	63	54.7	59.5	63.7	66.2	68.6	70.2	68.6	66.0	64.4	63.3						NFK (1961. RPM)	80	60.4	63.8	64.6	66.2	68.4	71.0	71.1	70.1	68.9	68.8						NPD (340. RAD/SEC)	100	59.1	65.5	66.3	65.7	66.4	68.5	69.7	69.7	68.5	67.6						NPD (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1						NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0						
NFA (200. RPM)	63	54.7	59.5	63.7	66.2	68.6	70.2	68.6	66.0	64.4	63.3						NFK (1961. RPM)	80	60.4	63.8	64.6	66.2	68.4	71.0	71.1	70.1	68.9	68.8						NPD (340. RAD/SEC)	100	59.1	65.5	66.3	65.7	66.4	68.5	69.7	69.7	68.5	67.6						NPD (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1						NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																							
NFK (1961. RPM)	80	60.4	63.8	64.6	66.2	68.4	71.0	71.1	70.1	68.9	68.8						NPD (340. RAD/SEC)	100	59.1	65.5	66.3	65.7	66.4	68.5	69.7	69.7	68.5	67.6						NPD (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1						NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																								
NPD (340. RAD/SEC)	100	59.1	65.5	66.3	65.7	66.4	68.5	69.7	69.7	68.5	67.6						NPD (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1						NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																									
NPD (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1						NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																										
NPD (344. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9						NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																											
NPD (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5						NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																												
NPD (340. RAD/SEC)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5						AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																													
AIRFLOW RATIO	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0						WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																														
WF/M 12:00	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5						VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																															
VEHICLE UTHSIN	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0						CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																
CONFIG CO4	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3						LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																	
LOC SCHENECTADY	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0						DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																		
DATE 7/8/75	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1						RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																			
RUN 34/4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7						TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																				
TAPE	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7						FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																					
FAN TIP SPEED	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7						62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																						
62. FT/SEC	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7						OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																							
OVERALL CALCULATED	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0						PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																								
PND8	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8							5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																									
	5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0							6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																										
	6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7							8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																																											
	8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5							10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																																																												
	10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1						OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																																																																													
OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1	79.0							65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																																																																																														
	65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0																																																																																																																																																																																																																																																																																																																																																																																																																																															

SIDELINE 200. FT. (60.96 M)	50	66.2	70.6	75.1	75.1	74.4	75.4	77.0	75.4	75.8	76.2							63	64.8	68.7	72.5	74.7	77.1	78.6	76.9	74.4	72.7	71.6							80	70.8	73.3	73.6	74.9	77.0	79.5	79.6	78.5	77.4	75.3							100	69.8	75.2	75.5	74.6	75.1	77.2	78.3	78.2	77.1	76.2							125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9							160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0						
	63	64.8	68.7	72.5	74.7	77.1	78.6	76.9	74.4	72.7	71.6							80	70.8	73.3	73.6	74.9	77.0	79.5	79.6	78.5	77.4	75.3							100	69.8	75.2	75.5	74.6	75.1	77.2	78.3	78.2	77.1	76.2							125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9							160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																							
	80	70.8	73.3	73.6	74.9	77.0	79.5	79.6	78.5	77.4	75.3							100	69.8	75.2	75.5	74.6	75.1	77.2	78.3	78.2	77.1	76.2							125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9							160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																								
	100	69.8	75.2	75.5	74.6	75.1	77.2	78.3	78.2	77.1	76.2							125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9							160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																									
	125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9							160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																										
	160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8							200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																											
	200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5							250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																												
	250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7							315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																													
	315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3							400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																														
	400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0							500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																															
	500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7							630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																
	630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1							800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																	
	800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0							1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																		
	1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4							1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																			
	1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2							1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																				
	1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5							2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																					
	2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9							2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																						
	2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1							3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																							
	3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9							4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																								
	4000	53.7	68.7	75.4	77.4	76.4	78.3	76.3	70.7	66.4	63.4							5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																									
	5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0							6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																																										
	6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0							8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																																																											
	8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7							10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																																																																												
	10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9						OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																																																																																													
OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0																																																																																																																																																																																																																																																																																																																																																																																																																														

Run 34/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONYH 7 DAY 21 HR. 17.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
	50																	
	63																	
RADIAL	17. FT.																	
	(5. M)	100	85.8	81.4	78.8	80.0	82.0	84.0	85.3	85.8	86.1	85.4						118.0
VEHICLE	UTMSH	125	94.5	93.4	94.3	93.8	91.5	93.5	94.5	91.8	92.6	93.1						127.8
CONFIG	GO4	160	91.5	92.1	93.8	93.5	90.5	91.8	92.3	90.6	90.6	91.1						125.5
LOC	SCHENECTADY	200	88.3	89.1	89.3	90.5	91.5	91.8	89.8	86.5	85.8	85.1						123.0
DATE	7/8/75	250	94.3	94.1	91.8	91.8	92.2	93.8	93.5	92.0	91.3	89.3						125.1
RUN	J4/5	315	93.0	95.1	93.3	91.5	91.0	92.3	92.8	92.0	90.5	90.4						125.8
TAPE		400	85.5	89.6	91.8	92.0	90.5	89.1	87.3	86.6	86.0	84.9						122.6
BAR	29.5 HG	500	82.3	85.4	84.8	84.3	84.0	83.5	83.0	81.8	80.0	78.6						116.7
	(99.83 N/H2)	620	83.8	87.2	87.1	87.3	86.5	85.3	84.0	82.3	80.8	79.4						118.5
TAMB	86. DEG F	800	80.1	86.9	88.6	88.5	87.0	85.6	84.3	81.8	79.8	77.9						118.9
	(303. DEG K)	1000	77.6	85.6	88.3	88.5	87.0	85.3	83.5	81.1	77.5	75.0						118.5
THET	73. DEG F	1250	79.1	84.9	88.9	90.0	88.7	87.1	85.1	82.1	78.1	75.6						119.7
	(296. DEG K)	1600	78.1	84.7	89.4	90.5	90.0	88.1	86.4	83.7	80.5	77.7						120.6
HACT	16.42 CH/H3	2000	80.3	87.2	91.9	93.5	92.0	89.9	87.4	84.5	81.3	77.2						122.7
	(10.642 KG/H3)	2500	87.6	93.2	98.1	99.8	100.2	97.4	94.6	91.5	87.8	83.4						124.8
NFA	8301. RPM	3150	86.3	92.4	96.1	98.7	98.2	95.9	93.1	89.7	86.0	82.4						128.2
	(869. RAD/SEC)	4000	84.7	91.1	95.0	97.6	95.6	94.8	92.1	87.7	85.1	80.6						127.0
NFK	8093. RPM	5000	89.9	96.3	99.7	102.3	105.0	104.2	99.0	93.2	90.8	84.5						134.1
	(847. RAD/SEC)	6300	85.4	92.5	96.4	98.1	97.2	95.2	92.1	88.2	85.0	81.6						127.7
NFD	11517. RPM	8000	85.7	93.6	97.5	98.2	97.9	97.3	94.2	89.9	85.9	82.4						128.9
	(1200. RAD/SEC)	10000	85.0	94.3	97.2	98.6	98.4	96.8	93.7	89.1	85.1	82.4						129.0
NO. OF BLADES	18	12500	85.2	93.4	96.6	97.4	97.4	96.1	94.0	88.8	84.6	81.5						128.5
FAN TIP SPEED	16000	16000	83.8	91.8	94.0	95.5	95.3	93.6	92.0	86.3	82.5	79.2						126.8
	725. FT/SEC	20000	82.2	90.7	93.8	94.5	94.1	92.6	91.2	85.8	81.8	78.6						126.2
		25000	81.3	88.6	92.0	92.7	92.3	91.0	89.6	84.3	80.7	77.7						125.1
		31500	80.3	87.1	90.7	91.0	91.1	89.9	88.1	82.9	79.5	75.8						124.6
		40000	73.9	83.4	86.2	86.7	87.2	86.0	85.0	79.6	76.5	72.6						122.1
		50000	72.1	79.7	81.9	81.6	83.6	81.3	81.2	74.3	76.8	68.0						119.9
		63000	69.6	72.8	74.0	74.4	76.5	74.6	74.4	67.7	74.9	61.2						116.1
		80000	70.9	71.8	71.0	71.6	72.0	71.7	72.4	69.1	74.9	60.9						118.1
	OVERALL MEASURED																	
	OVERALL CALCULATED	101.9	105.7	109.3	109.7	110.0	108.9	106.2	102.6	100.7	99.2							148.0
	PND8	112.2	117.6	120.8	122.6	123.7	122.7	119.0	114.7	112.3	108.3							

Run 34/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 21, HR. 17.1

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT REL. HUM. DAT)									
		ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
	50	61.7	66.6	71.0	72.4	70.6	72.6	73.6	72.0	71.8	72.0
SIDELINE 500. FT.	63	57.9	63.3	66.2	69.2	71.4	72.4	70.9	67.8	66.9	65.8
(152.40 M)	80	63.4	67.8	68.3	70.2	71.9	74.2	74.4	73.1	72.2	69.8
NFA 2338. RPM	100	61.6	68.5	69.6	69.7	70.4	72.5	73.5	72.9	71.2	70.6
(245. RAD/SEC)	125	53.6	62.6	67.8	69.9	69.2	69.1	67.8	67.2	66.6	64.9
NFK 2280. RPM	160	49.8	57.9	60.4	61.9	62.9	63.4	63.3	62.3	60.3	58.4
(239. RAD/SEC)	200	50.8	59.3	62.4	64.6	65.2	64.9	64.1	62.6	60.9	59.0
NFD 3244. RPM	250	46.5	58.6	63.6	65.6	65.5	65.0	64.2	61.9	59.7	57.2
(340. RAD/SEC)	315	43.3	56.9	62.9	65.3	65.2	64.5	63.2	60.9	57.2	54.2
AIRFLOW RATIO	400	44.2	55.7	63.1	66.5	66.7	66.0	64.5	61.7	57.5	54.5
NF/WH 12-60	500	44.8	57.5	65.7	69.7	69.6	68.5	66.6	63.8	60.5	56.3
	630	51.2	63.0	71.6	75.6	77.6	75.8	73.6	70.6	66.7	61.8
VEHICLE	800	49.1	61.7	69.1	74.1	75.2	73.9	71.8	68.6	64.6	60.5
UTMSIM	1000	46.7	59.7	67.5	72.6	73.3	72.6	70.4	66.2	63.5	58.4
CONFIG	1250	50.9	64.2	71.7	76.9	81.3	81.6	77.0	71.4	68.8	61.9
GO4	1600	45.2	59.5	67.7	72.1	73.0	72.2	69.7	66.0	62.6	58.5
LOC SCHENECTADY	2000	44.1	59.8	68.1	71.7	73.3	73.8	71.4	67.3	63.1	58.9
DATE 7/8/75	2500	42.3	59.7	67.3	71.6	73.3	73.0	70.6	66.2	62.0	58.5
RUN 34/5	3150	40.4	57.4	65.7	69.6	71.6	71.7	70.3	65.3	60.9	57.0
TAPE	4000	36.0	53.9	61.7	66.6	68.6	68.3	66.3	62.0	58.0	53.9
FAN TIP SPEED	5000	32.9	52.0	60.9	65.2	67.1	67.0	66.5	61.3	57.1	53.1
725. FT/SEC	6300	27.1	46.7	56.7	61.5	63.7	64.0	63.5	58.6	54.7	50.7
	8000	19.4	40.1	51.8	56.9	60.0	60.8	60.0	55.1	51.3	46.6
	10000	1.3	29.7	42.3	48.6	52.8	53.9	54.0	49.1	45.6	40.4
OVERALL CALCULATED		68.3	75.6	80.8	84.4	86.3	86.3	84.3	81.3	79.3	77.4
PND8		68.7	83.3	90.7	94.3	96.5	96.6	94.7	90.4	86.7	83.1
	50	71.5	75.6	79.6	80.8	78.9	80.9	81.8	80.2	80.1	80.2
SIDELINE 200. FT.	63	68.0	72.5	75.0	77.7	79.8	80.8	79.2	76.1	75.2	74.1
(60.96 M)	80	73.8	77.3	77.3	78.9	80.5	82.7	82.9	81.5	80.6	78.3
	100	72.3	78.2	78.7	78.6	79.1	81.2	82.0	81.5	79.8	79.2
	125	64.6	72.5	77.1	79.0	78.6	77.9	76.5	75.9	75.3	73.7
	160	61.1	68.1	70.0	71.1	72.0	72.3	72.2	71.1	69.2	67.3
	200	62.4	69.7	72.1	74.0	74.4	74.0	73.1	71.5	69.9	68.0
	250	58.4	69.3	73.5	75.2	74.8	74.2	73.3	71.0	68.8	66.4
	315	55.6	67.9	73.1	75.1	74.7	73.8	72.5	70.1	66.5	64.1
	400	56.9	67.0	73.6	76.4	76.3	75.5	73.9	71.1	66.9	64.0
	500	57.8	69.1	76.4	79.8	79.5	78.2	76.1	73.4	70.0	66.0
	630	64.8	74.9	82.5	85.9	87.6	85.6	83.3	80.3	76.4	71.6
	800	63.1	73.9	80.3	84.8	85.5	84.0	81.7	78.5	74.6	70.5
	1000	61.2	72.4	79.1	83.5	83.7	82.8	80.6	76.3	73.6	68.6
	1250	66.0	77.3	83.5	88.0	92.0	92.1	87.4	81.7	79.2	72.4
	1600	61.1	73.2	80.0	83.6	84.1	83.0	80.4	76.6	73.2	69.3
	2000	60.8	74.0	80.9	83.6	84.7	84.9	82.4	78.2	74.1	70.1
	2500	59.8	74.5	80.5	84.0	85.1	84.4	81.8	77.4	73.2	70.0
	3150	59.3	73.1	79.6	82.5	83.9	83.6	82.0	77.0	72.6	68.9
	4000	56.9	71.0	76.7	80.4	81.7	80.9	80.7	74.4	70.4	66.6
	5000	54.9	69.8	76.5	79.5	80.6	80.1	79.3	74.0	69.9	66.1
	6300	52.5	66.8	74.1	77.3	78.6	78.3	77.5	72.4	68.6	65.0
	8000	48.9	63.8	71.9	75.0	76.9	76.9	75.8	70.7	67.1	62.8
	10000	39.1	58.3	66.2	69.9	72.5	72.6	72.3	67.2	63.8	59.2
OVERALL CALCULATED		79.3	86.9	92.0	95.3	96.9	96.7	94.3	90.9	88.6	86.4

ORIGINAL PAGE IS OF POOR QUALITY

Run 34/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 17.1															
		MODEL SOUND PRESSURE LEVELS (5% DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.)
	50																
	63																
RADIAL	17. FT.	80															
	(5. M)	100	87.3	83.4	79.6	80.0	82.3	84.0	85.3	85.6	85.5	84.3					117.0
VEHICLE	UTMSIM	125	91.5	90.9	90.6	90.0	89.0	90.8	91.0	90.1	89.5	90.1					124.0
CONFIG	GO4	160	93.5	94.6	96.6	95.5	93.3	95.0	96.5	94.3	94.3	94.1					128.6
LOC	SCHENECTADY	200	90.0	90.9	90.8	91.5	92.0	92.3	89.8	87.0	85.3	85.1					123.6
DATE	7/8/75	250	95.0	95.9	93.8	93.3	93.2	94.5	94.5	93.3	92.0	90.0					127.3
RUN	34/6	315	95.0	96.4	95.6	94.5	93.7	94.3	94.5	93.8	92.5	91.8					127.8
TAPE		400	87.5	91.1	93.3	93.8	92.3	91.1	89.3	88.6	87.0	86.6					124.3
BAR	29.5 HG	500	83.8	87.4	87.1	86.5	86.0	85.3	84.8	83.3	82.0	80.3					118.6
	(996.83 N/M2)	630	85.8	85.4	89.1	89.3	88.3	87.6	86.3	84.8	83.0	81.6					120.5
TAMB	87. DEG F	800	82.3	87.1	89.3	89.5	88.5	87.6	86.3	84.1	82.0	80.1					120.3
	(304. DEG K)	1000	79.3	86.1	89.8	89.8	88.2	86.3	85.3	82.1	79.0	77.1					119.7
T-ET	74. DEG F	1250	80.1	85.4	90.6	91.5	90.0	87.9	85.6	83.4	79.8	77.1					120.9
	(296. DEG K)	1600	78.1	84.2	90.1	91.5	90.0	88.6	86.4	83.7	80.0	77.1					121.0
HACT	17.07 CM/M3	2000	79.8	87.0	91.9	93.8	92.5	90.4	88.1	85.0	81.0	77.9					123.0
	(.01707 KG/M3)	2500	87.8	94.2	98.6	101.0	100.5	100.4	97.4	93.2	90.5	84.1					131.2
NFA	8917. RPM	3450	87.3	94.5	98.3	101.2	100.9	99.4	95.9	92.8	88.7	84.4					131.0
	(934. RAD/SEC)	4000	85.4	92.4	98.8	99.4	98.3	96.8	93.1	90.0	86.6	82.1					128.7
NFK	8686. RPM	5000	89.4	97.3	102.2	103.5	105.7	101.5	98.8	93.7	90.3	85.6					134.3
	(909. RAD/SEC)	6300	86.7	95.0	98.7	101.3	100.5	97.7	95.1	90.5	87.2	83.5					130.6
NFD	11517. RPM	8000	86.7	95.4	98.5	100.5	100.4	98.8	95.7	91.9	88.9	84.4					130.8
	(1206. RAD/SEC)	10000	86.0	96.3	99.7	100.1	100.1	99.3	96.7	91.9	87.6	84.1					131.2
NO. OF BLADES	18	12500	86.7	94.9	98.4	99.6	99.1	98.3	96.5	91.5	86.6	83.9					130.5
FAN TIP SPEED		16000	86.0	93.6	98.3	97.5	96.8	95.1	95.0	89.3	83.5	81.9					128.8
	778. FT/SEC	20000	84.4	93.2	96.0	96.7	96.3	95.1	93.9	88.8	85.0	81.8					128.6
		25000	83.3	91.4	94.2	95.1	95.0	93.5	92.3	87.3	84.2	80.9					127.7
		31500	83.0	89.8	92.4	93.7	93.3	92.1	90.8	86.1	82.7	78.7					127.0
		40000	79.3	85.9	89.1	89.6	89.4	87.9	87.6	82.3	78.9	75.9					124.6
		50000	78.2	81.9	83.8	84.5	85.8	83.9	83.9	76.9	76.5	71.6					122.2
		63000	78.0	74.7	76.1	76.5	78.1	76.2	76.5	69.8	73.7	66.5					117.9
		80000	72.7	71.6	71.0	71.4	72.6	71.5	72.2	68.9	71.9	69.4					117.8
OVERALL MEASURED																	
OVERALL CALCULATED		102.9	107.2	110.1	111.5	111.5	109.8	107.9	104.4	102.1	100.1						142.4
PND8		112.6	118.9	122.7	124.1	124.8	122.2	119.8	116.3	113.1	109.5						

PULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159 DEC. 9, 70 PERCENT REL. HUM. DATA
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	20	33	45	55	65	75	85	90	95	100	110	120
FREQ	(0.31)	(0.52)	(0.79)	(1.05)	(1.38)	(1.72)	(2.15)	(2.69)	(3.35)	(4.13)	(5.03)	(6.06)
SIDELINE 300 FT. (152.46 M)	50 63.7	65.1	73.7	74.4	73.3	75.9	77.8	75.7	75.4	74.9		
MPA (2512 RPM)	63 59.7	65.0	67.7	70.2	71.9	72.9	70.9	68.3	66.4	65.7		
MPX (2445 RPM)	100 63.8	69.7	71.0	72.7	73.2	74.5	75.2	74.7	73.2	72.0		
NFB (3244 RPM)	125 55.5	64.1	69.3	71.7	71.4	71.1	69.8	69.2	67.8	66.0		
MPX (2445 RPM)	160 51.3	59.9	62.7	64.1	64.9	65.1	65.1	63.8	62.3	60.1		
NFB (3244 RPM)	200 52.8	60.6	64.4	66.6	67.0	67.2	66.4	65.1	63.1	61.2		
MPX (2445 RPM)	250 48.7	58.9	64.3	66.6	67.0	67.0	66.2	64.1	61.9	59.4		
NFB (3244 RPM)	315 45.1	57.4	64.4	66.6	66.6	65.5	65.0	61.9	58.7	56.2		
MPX (2445 RPM)	400 45.2	56.2	64.0	66.6	67.9	68.0	66.0	63.0	59.2	56.0		
AIRFLOW PATIO	500 42.5	54.5	64.0	67.7	67.6	67.3	65.5	63.6	59.2	55.7		
W/F/M 12.65	630 43.5	56.7	65.3	69.6	69.8	68.7	67.0	64.1	59.8	56.2		
VEHICLE UTRM	800 50.6	63.4	71.6	76.4	77.5	75.4	75.0	72.0	69.1	62.2		
COMPIC 604	1000 49.2	63.0	70.8	76.2	77.6	77.1	74.2	71.3	67.0	62.1		
LCC SCHENECTADY	1250 46.4	60.3	68.7	73.9	74.6	73.9	71.1	68.1	64.6	59.4		
DATE 7/8/75	1600 49.0	64.3	73.4	77.5	78.4	76.3	71.4	67.0	62.0			
RUM 3415	2000 45.0	61.0	69.2	74.7	75.7	74.1	72.2	67.8	64.3	59.9		
TAPE	2500 43.8	60.0	68.4	73.3	75.2	74.8	72.4	68.8	65.6	60.4		
FAN TIP SPEED	3150 41.1	60.2	68.6	72.2	74.2	74.7	72.8	68.2	63.7	59.4		
770 FT/SEC	4000 38.6	56.7	65.7	70.4	72.1	72.7	71.6	66.9	61.7	58.3		
6300	29.6	50.6	60.1	64.9	67.1	67.5	67.2	62.4	58.3	54.2		
8000	20.5	43.5	54.4	60.1	63.0	63.4	63.3	58.6	55.2	50.8		
10000	9.1	34.6	47.1	54.2	57.5	58.6	58.5	54.2	50.4	45.1		
OVERALL CALCULATED	70.1	76.9	82.3	85.8	87.3	87.0	85.8	83.1	81.1	79.1		
PND8	70.2	84.7	92.7	96.8	99.1	98.3	96.8	92.8	89.3	85.0		
SIDELINE 200 FT. (60.96 M)	50 73.5	78.1	82.3	82.8	81.6	84.1	86.0	83.9	83.8	83.2		
63 69.8	74.2	76.5	78.7	80.3	81.3	79.2	76.6	74.7	74.1			
80 75.5	79.1	79.3	80.4	81.5	83.5	83.9	82.8	81.4	79.0			
100 74.3	79.4	81.0	81.6	81.9	83.2	83.8	83.2	81.8	80.7			
125 66.6	74.0	78.6	80.7	80.3	79.9	78.5	77.9	76.3	75.4			
160 62.6	70.1	72.3	73.4	74.0	74.0	73.9	72.6	71.2	69.0			
200 64.4	71.0	74.1	76.0	76.1	76.2	75.4	74.0	72.1	70.2			
250 60.6	69.6	74.3	76.2	76.3	76.2	75.3	73.2	71.0	68.6			
315 57.4	60.4	74.6	76.3	75.9	74.8	74.2	71.1	67.9	65.5			
400 57.9	67.5	75.3	77.9	77.6	76.3	74.4	72.4	68.6	65.5			
500 55.6	66.1	74.6	77.8	77.5	76.9	75.1	72.6	68.8	65.4			
630 57.0	68.6	76.2	79.9	79.9	78.6	76.8	73.8	69.7	65.1			
800 64.6	75.6	82.8	87.0	87.7	88.5	85.9	81.9	79.1	72.2			
1000 63.8	75.6	82.4	87.1	88.1	87.4	84.3	81.3	77.2	72.3			
1250 61.5	73.3	80.6	85.1	85.3	84.4	81.4	76.5	75.0	69.9			
1600 64.9	77.9	85.8	89.1	92.6	89.2	87.0	82.0	78.5	73.4			
2000 61.7	75.3	82.0	86.6	87.1	85.3	83.2	78.7	75.3	71.1			
2500 61.3	75.4	81.6	85.6	87.0	86.2	83.7	80.0	76.9	71.8			
3150 59.9	75.9	82.6	85.1	86.5	86.6	84.5	79.8	75.4	71.4			
4000 59.4	73.7	80.7	84.2	85.1	85.3	84.0	79.3	74.1	70.9			
5000 58.3	72.2	78.5	82.1	82.9	83.2	82.6	77.1	73.1	69.0			
6300 54.9	70.7	77.5	80.7	81.9	81.8	81.2	76.2	72.3	68.5			
8000 51.0	67.2	74.5	78.2	79.9	79.5	79.0	74.2	70.9	66.9			
10000 46.8	63.2	71.0	75.5	77.2	77.4	76.8	72.3	68.6	63.9			
OVERALL CALCULATED	80.9	88.2	93.7	96.9	98.2	97.5	96.0	92.8	90.4	88.1		
PND8	86.5	99.6	106.1	109.1	110.7	110.0	108.3	104.2	100.4	94.4		

Run 34/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.	80																	118.9
(5. M)	100	90.5	82.8	80.0	81.0	83.0	85.0	86.0	86.3	86.3	85.1							123.9
VEHICLE UTHSIM	125	92.8	90.0	90.5	90.0	89.0	90.5	91.3	89.6	89.5	90.1							128.0
CONFIG CO4	160	94.3	95.3	96.5	96.5	93.8	94.5	94.5	93.1	92.3	91.8							125.0
LQC SCHENECTADY	200	92.2	92.0	92.7	93.0	93.2	93.0	91.3	88.5	87.0	85.8							128.8
DATE 7/8/75	250	97.2	96.7	95.2	94.7	95.2	95.7	95.5	94.3	93.3	91.0							129.3
RUN 3477	315	96.2	97.5	96.5	95.7	95.2	95.8	96.5	95.3	94.0	93.3							126.2
TAPE	400	90.0	92.3	95.2	96.0	94.0	93.0	91.3	90.3	89.0	88.3							120.6
BAR 29.5 HG	500	85.8	86.3	89.0	88.8	88.0	87.8	87.0	85.8	83.5	82.3							122.4
(99.683. N/M2)	630	88.0	89.5	90.5	91.3	90.2	89.6	88.0	87.1	85.0	83.6							121.9
TAHB 86. DEG F	800	84.8	88.0	90.8	91.0	90.0	89.3	88.0	85.8	84.3	82.6							120.7
(303. DEG K)	1000	82.0	85.8	89.7	90.5	89.5	88.1	86.5	83.8	80.8	78.8							122.1
T-ET 73. DEG F	1250	82.5	85.8	91.5	92.3	91.2	89.6	87.3	84.9	81.8	78.6							122.2
(296. DEG K)	1500	79.8	85.1	90.5	92.3	91.7	89.9	88.1	85.2	81.5	78.6							123.6
WACT 16.42 GM/M3	2000	80.8	86.6	91.5	94.2	93.2	91.1	88.6	86.5	82.0	78.9							129.8
(801.642 KG/M3)	2500	87.3	93.3	97.5	99.7	99.9	97.9	94.9	92.2	88.0	83.6							132.9
NFA 9482. RPM	3150	89.7	96.1	100.0	102.9	102.9	100.8	98.6	95.2	91.2	87.1							130.5
(993. RAD/SEC)	4000	87.1	94.0	97.7	101.1	100.6	98.5	95.1	92.2	87.9	83.6							131.4
NFK 9244. RPM	5000	88.8	94.9	98.9	101.7	101.7	99.0	96.5	92.2	89.1	85.2							133.0
(968. RAD/SEC)	6300	91.1	96.4	101.3	103.3	102.9	100.9	96.9	93.0	90.5	87.0							132.1
NFD 11517. RPM	8000	89.1	96.2	99.9	101.7	101.4	100.7	97.5	93.4	89.4	85.6							132.6
(1206. RAD/SEC)	10000	90.8	96.4	100.4	102.1	101.6	100.7	98.2	94.1	89.8	85.7							132.4
NO. OF BLADES 18	12500	90.7	96.5	100.5	100.8	101.4	99.8	98.5	94.1	89.8	85.7							130.7
FAN TYP SPEED	16000	91.5	94.7	97.9	99.5	98.3	97.6	97.3	92.0	87.5	84.4							130.4
829. FT/SEC	20000	92.9	94.1	97.2	98.2	97.8	97.3	96.2	91.5	87.5	84.8							129.9
	25000	91.0	93.0	95.9	96.9	97.3	96.0	94.3	90.3	87.5	83.6							129.3
	31500	89.0	91.2	94.9	95.7	95.1	94.7	93.1	88.9	85.0	82.0							127.0
	40000	85.8	87.6	90.9	91.1	91.5	91.0	90.2	84.6	83.5	78.5							124.8
	50000	87.5	83.6	86.0	86.9	87.9	86.0	86.5	79.5	80.1	74.2							121.6
	63000	84.3	78.9	79.7	80.1	82.2	81.0	78.7	71.2	78.9	67.4							125.5
	80000	81.3	81.1	80.9	81.6	82.0	81.7	72.9	69.1	74.6	59.6							143.5
OVERALL MEASURED																		
OVERALL CALCULATED		105.3	107.8	110.9	112.4	112.2	110.8	108.9	105.8	103.1	100.9							
PND8		114.3	119.1	122.6	124.8	124.5	122.9	120.7	117.6	114.3	111.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P= 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN_S)

	FREQ.	20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										0. 0. 0. 0. 0. 0. 0. 0. 0. 0.											
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)		
SIDELINE 500. FT. (152.40 M)NFA 2671. RPM (280. RAD/SEC) NPK 2604. RPM (273. RAD/SEC) NPD 3244. RPM (340. RAD/SEC) AIRFLOW RATIO WF/WH 12.60	50 63 80 100 125 160 200 250 315 400 500 630 800	64.4 61.9 66.3 64.9 58.1 53.3 55.0 51.2 47.8 47.6 44.2 51.0 52.6	69.7 66.1 70.5 70.8 65.2 60.8 61.7 59.8 57.1 56.6 55.4 63.1 65.3	73.6 71.8 71.8 72.7 71.2 64.6 65.8 65.7 64.4 65.8 64.4 71.0 73.0	75.4 71.6 73.1 73.9 73.9 66.4 68.6 68.1 67.3 68.7 68.4 75.5 78.3	73.8 71.6 74.9 74.6 73.2 66.9 69.0 68.5 67.7 69.2 69.4 77.3 79.9	75.4 73.1 76.2 76.0 73.2 66.9 69.2 68.7 67.2 68.5 68.5 76.2 78.9	75.8 72.4 76.4 77.2 71.8 67.3 68.1 67.9 66.2 66.8 67.3 73.8 77.3	74.5 69.8 75.3 76.2 71.8 66.3 68.1 65.9 63.4 64.5 64.5 71.3 74.1	73.6 68.1 74.2 74.7 71.0 63.8 65.1 64.2 60.4 61.2 60.7 66.9 66.2	72.7 66.5 71.5 73.5 68.3 62.1 63.2 61.9 58.0 57.5 57.2 62.0 65.2	VEHICLE CONFIG UTHS/IM 1000 1250 LOC SCHENECTADY DATE 7/8/75 RUN 34/7 TAPE FAN TIP SPEED 826. FT/SEC	1000 1250 1600 2000 2500 3150 4000 5000 6300 8000 10000 OVERALL CALCULATED PNDB	49.1 49.8 50.9 47.6 48.0 45.9 43.7 43.7 36.8 27.1 13.3 71.4 73.3	62.6 62.8 63.4 62.4 61.8 60.5 56.8 55.4 51.1 44.3 33.8 77.9 85.6	70.2 70.8 72.6 70.5 70.5 69.6 65.6 64.3 60.7 55.9 46.9 83.3 93.8	76.1 76.3 77.3 75.2 75.1 73.1 70.6 70.8 65.7 61.6 53.0 87.1 98.1	77.2 78.0 78.8 76.8 76.5 73.1 71.8 71.8 69.0 65.5 58.8 88.3 99.6	76.3 76.3 77.9 77.3 76.9 75.6 75.4 72.3 72.8 71.5 68.3 65.9 86.1 98.7	73.4 74.5 74.5 74.7 75.1 74.8 72.8 72.8 71.5 68.3 65.0 86.9 98.5	70.7 70.4 70.8 70.8 71.2 70.6 67.8 67.8 67.0 64.6 54.1 84.4 94.9	66.2 67.1 68.1 66.6 67.0 66.1 63.0 63.0 62.8 61.4 52.6 81.9 91.1	61.3 62.6 64.0 62.1 62.5 61.2 59.1 59.3 59.3 56.7 46.3 79.6 87.0
SIDELINE 200. FT. (60.96 M)	50 63 80 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150 4000 5000 6300 8000 10000 OVERALL CALCULATED	74.2 72.0 76.7 75.5 69.1 64.6 66.6 63.1 60.1 60.3 57.3 64.5 66.6 63.7 64.9 66.8 64.3 65.5 64.7 64.6 65.6 62.2 57.6 51.0 82.6	78.7 75.3 79.9 80.5 75.1 71.0 72.1 70.4 68.0 67.8 66.9 75.0 77.5 75.2 75.9 77.0 76.6 76.6 76.2 73.9 73.2 71.2 67.9 62.4 69.1	82.3 80.6 81.9 82.8 80.5 74.2 75.6 77.6 74.5 76.2 75.0 81.9 84.2 81.7 82.7 85.0 83.3 83.7 83.5 80.6 79.9 78.0 79.7 70.9 94.6	83.8 81.8 82.8 82.9 82.0 75.6 78.0 77.6 77.0 78.7 78.5 85.9 89.0 87.0 87.5 88.8 87.1 87.4 86.0 83.2 81.5 79.7 74.4 98.1	82.1 81.5 83.4 83.4 82.0 76.0 78.1 77.8 77.2 78.8 79.2 87.3 90.2 87.7 88.8 89.8 88.2 88.3 86.0 84.3 83.5 80.9 76.8 99.1	83.6 82.0 84.7 84.6 81.8 76.5 78.2 77.9 76.5 78.0 78.1 86.1 88.9 86.5 86.8 88.7 86.4 86.3 87.9 84.9 84.6 83.3 80.9 77.6 98.6	84.0 80.7 84.9 85.8 80.5 76.2 77.1 77.0 75.5 76.2 76.9 83.6 87.2 83.6 84.9 85.1 85.6 86.3 86.5 85.2 84.3 82.2 80.8 77.6 97.2	82.7 78.1 83.8 84.7 79.7 75.1 76.3 75.0 72.6 73.9 74.1 81.1 84.0 80.8 80.7 81.4 81.7 82.4 82.2 80.1 79.8 78.4 76.7 72.2 94.2	81.8 76.5 82.6 83.3 78.3 72.7 74.1 73.3 69.7 70.6 70.6 76.7 79.8 76.4 77.4 78.7 77.6 78.2 82.2 75.4 75.6 73.6 70.8 91.5	80.9 74.8 80.0 82.2 77.1 71.0 67.0 67.3 67.0 66.9 71.8 75.2 71.6 73.1 74.8 73.3 73.9 73.1 71.8 72.3 71.0 69.0 65.1 88.8 94.5												

Run 34/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
		MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																		
63																		
80																		
RADIAL 17. FT.	100	90.5	83.8	80.3	81.0	83.3	85.0	86.8	86.8	86.5	85.6							119.3
VEHICLE (5. M)	125	92.3	90.0	90.3	90.0	89.5	90.5	91.3	89.8	89.8	90.3							124.0
CCNFIC GO4	160	93.5	95.8	96.8	97.3	95.8	92.3	92.8	91.5	91.5	92.3							127.9
LOC SCHENECTADY	200	94.5	94.0	94.2	94.2	94.7	93.7	91.5	89.0	87.8	87.1							126.1
DATE 7/8/75	250	98.0	97.2	96.2	95.2	98.0	96.5	96.7	95.0	94.3	91.8							129.4
RUN 34/8	315	96.7	98.5	97.7	97.0	96.7	96.5	97.2	96.0	95.3	94.3							130.3
TAPE	400	91.0	94.0	96.2	96.7	95.2	94.5	92.8	92.0	90.8	90.1							127.5
BAR 29.5 HG	500	87.8	90.0	90.8	90.3	90.0	89.0	88.8	86.8	85.5	83.6							122.2
(99.83. N/M2)	630	88.8	91.3	92.0	93.0	92.2	91.1	89.5	88.5	86.8	85.6							124.0
TAMB 27. DEG F	800	86.8	89.3	92.0	92.8	91.7	91.3	90.3	87.8	86.3	84.3							123.7
(304. DEG K)	1000	83.3	86.5	90.7	90.7	90.5	89.6	88.3	85.5	82.5	80.8							121.8
T-ET 73. DEG F	1250	83.0	86.6	92.8	93.5	92.2	90.6	89.1	86.3	83.5	80.3							123.3
(296. DEG K)	1600	81.0	86.1	91.8	93.3	92.7	90.9	89.1	86.6	82.8	79.9							123.3
HACT 16.13 GM/M3	2000	81.3	87.1	91.8	94.0	94.0	92.1	89.9	87.7	83.8	80.4							124.1
(.01613 KG/M3)	2500	86.0	91.8	95.5	99.2	98.7	97.1	94.4	91.7	87.8	83.6							128.9
NFA 10585. RPM	3150	91.2	96.8	101.0	104.9	105.2	104.8	102.6	100.2	96.2	90.4							135.8
(1056. RAD/SEC)	4000	89.6	96.0	99.7	102.8	102.6	101.0	97.8	94.7	90.9	85.8							132.7
NFK 9823. RPM	5000	88.3	94.2	98.6	101.5	101.2	99.5	97.0	93.1	90.1	85.8							131.4
(1029. RAD/SEC)	6300	91.4	98.4	101.8	104.3	104.2	103.7	99.6	95.2	92.0	89.0							134.6
NFD 11517. RPM	8000	89.4	96.8	101.1	102.2	101.9	101.5	99.0	94.9	90.7	87.6							133.0
(11206. RAD/SEC)	10000	90.0	98.7	102.9	103.8	103.4	103.0	100.7	96.3	92.1	88.6							134.7
NO. OF BLADES 18	12500	90.7	97.8	101.3	103.1	102.9	102.1	101.0	96.5	92.1	88.2							134.3
FAN TIP SPEED	16000	90.3	96.5	99.5	101.0	100.3	99.8	98.8	93.8	89.8	87.2							132.4
880. FT/SEC	20000	89.4	95.9	99.2	100.7	100.1	99.1	98.5	94.0	89.3	87.1							132.5
	25000	87.8	95.0	98.5	99.2	98.6	97.7	96.9	92.8	88.8	86.7							131.8
	31500	85.3	93.5	96.9	97.7	97.1	96.7	95.7	91.7	87.3	84.5							131.4
	40000	82.4	89.9	93.5	93.7	94.1	93.3	92.8	87.9	84.3	81.8							129.4
	50000	76.6	86.0	88.2	88.5	90.2	88.8	89.1	83.1	80.4	77.1							126.8
	63000	77.5	80.1	81.1	81.7	83.4	82.4	82.8	77.1	74.3	69.8							123.0
	80000	80.6	81.4	81.1	81.8	82.2	81.9	82.6	79.3	71.9	69.8							126.8
OVERALL MEASURED																		
OVERALL CALCULATED		105.3	109.1	112.0	113.8	113.5	112.7	110.9	107.6	104.7	102.3							148.1
PND8		115.2	120.0	123.5	126.1	126.1	125.4	123.3	120.6	117.3	113.2							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DAT)										
		ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
		FREQ.										
SIDELINE 500. FT.	50	63.7	70.2	73.9	76.1	75.8	73.1	74.0	72.9	72.8	73.2	
	63	64.2	68.1	71.1	72.9	74.6	74.4	72.6	70.2	68.9	67.7	
	80	67.1	71.0	72.8	73.6	75.6	76.9	77.6	78.0	75.2	72.2	
	100	65.4	71.8	74.0	75.1	76.1	76.7	78.0	76.9	76.0	74.5	
NFA (152.40 M)	125	59.1	67.0	72.2	74.6	74.4	74.6	73.3	72.7	71.3	70.1	
	160	55.3	62.6	66.4	67.9	68.9	68.8	69.1	67.2	65.8	63.4	
NFK (297. RAD/SEC)	200	55.7	63.4	67.3	70.4	71.0	70.7	69.6	68.8	66.9	65.2	
	250	53.2	61.0	67.0	69.8	70.2	70.7	70.2	67.8	66.2	63.7	
NFD (290. RAD/SEC)	315	49.0	57.8	65.4	67.5	68.7	68.7	67.9	65.4	62.2	59.7	
	400	48.1	57.4	67.0	70.0	70.2	69.5	68.5	65.9	63.0	59.2	
AIRFLOW RATIO	500	45.5	56.4	65.6	69.4	70.4	69.5	68.3	66.0	62.0	58.5	
	630	49.7	61.6	69.0	75.0	76.1	75.5	73.3	70.8	66.7	62.0	
MF/WM 12.60	800	54.1	66.0	74.0	80.3	82.2	82.9	81.3	79.0	74.9	68.4	
VEHICLE UTHS/M	1000	51.6	64.6	72.2	77.9	79.2	78.8	76.2	73.2	69.2	63.6	
CONFIG G04	1250	49.3	62.1	70.6	76.1	77.5	76.8	75.0	71.3	68.1	63.1	
LOC SCHENECTADY	1600	51.1	65.4	73.1	78.3	80.0	80.6	77.2	73.0	69.6	66.0	
DATE 7/8/75	2000	47.8	62.9	71.8	75.7	77.3	78.0	76.2	72.3	67.9	64.1	
RUN 34/B	2500	47.2	64.1	73.0	76.9	78.3	79.2	77.6	73.4	69.0	64.8	
TAPE	3150	45.9	61.8	70.4	75.3	77.1	77.6	77.3	73.0	68.4	63.7	
FAN TIP SPEED	4000	42.5	58.6	67.1	72.1	73.6	74.5	74.3	69.5	65.3	61.9	
	5000	40.2	57.1	66.3	71.4	73.1	73.5	73.7	69.5	64.6	61.5	
	6300	33.6	53.1	63.2	68.0	70.0	70.8	70.8	67.1	62.7	59.7	
	8000	23.4	46.6	58.0	63.6	66.1	67.5	67.5	63.9	59.1	55.4	
OVERALL CALCULATED	10000	9.9	36.1	49.5	55.6	59.6	61.1	61.9	57.4	53.4	49.7	
	PND8	72.1	78.9	84.2	88.2	89.6	89.9	88.7	86.0	83.4	80.8	
		73.3	87.2	95.4	99.6	101.1	101.6	100.7	97.0	93.0	89.1	
SIDELINE 200. FT.	50	73.5	79.2	82.5	84.6	84.1	81.3	82.3	81.1	81.0	81.4	
	63	74.2	77.3	79.9	81.5	83.0	82.8	80.9	78.6	77.2	76.1	
	80	77.5	80.4	81.8	82.3	84.2	85.4	86.1	84.5	83.6	80.7	
	100	76.0	81.5	83.2	84.0	84.9	85.4	86.5	85.4	84.6	83.2	
	125	70.1	76.9	81.5	83.7	83.3	83.3	82.0	81.4	80.0	78.9	
	160	66.6	72.7	75.9	77.1	78.0	77.7	77.9	76.1	74.7	72.3	
	200	67.3	73.8	77.1	79.7	80.1	79.7	78.6	77.7	75.9	74.2	
	250	65.1	71.7	76.9	79.4	79.5	79.9	79.3	76.9	75.3	72.9	
	315	61.3	68.8	75.5	77.3	78.2	78.6	77.2	74.6	71.4	69.0	
	400	60.8	68.6	77.4	79.9	79.8	79.0	77.9	75.3	72.4	68.7	
	500	58.5	67.9	76.3	79.5	80.2	79.1	77.8	75.5	71.5	68.2	
	630	63.2	73.5	79.9	85.4	86.1	85.3	83.0	80.5	76.4	71.8	
	800	68.1	78.3	85.2	91.0	92.4	92.9	91.2	88.9	84.8	78.5	
	1000	66.2	77.2	83.7	88.7	89.7	89.0	86.3	83.3	79.4	73.8	
	1250	64.4	75.2	82.5	87.2	88.3	87.3	85.4	81.6	78.4	73.6	
	1600	67.0	79.0	85.5	89.8	91.1	91.4	87.9	83.6	80.2	76.8	
	2000	64.6	77.1	84.6	87.6	88.7	89.2	87.1	83.2	78.8	75.3	
	2500	64.8	78.8	86.2	89.2	90.1	90.6	88.8	84.6	80.2	76.2	
	3150	64.7	77.5	84.3	86.2	89.4	89.5	89.0	84.7	80.1	75.6	
	4000	63.3	75.6	82.1	85.9	86.7	87.2	86.7	81.8	77.7	74.5	
	5000	62.2	74.9	81.9	85.7	86.6	86.6	86.5	82.2	77.4	74.6	
	6300	59.0	73.2	80.6	83.8	84.8	85.1	84.8	80.9	76.7	74.0	
	8000	53.9	70.2	78.1	81.7	82.9	83.7	83.3	79.5	74.9	71.5	
OVERALL CALCULATED	10000	47.6	64.7	73.5	76.9	79.4	79.9	80.1	75.5	71.7	68.4	
		83.1	90.3	95.7	99.4	100.4	100.5	99.1	96.1	93.1	90.3	

ORIGINAL PAGE IS OF POOR QUALITY.

Run 34/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE 8 MONTH 7 DAY 21 HR. 17.1															
		MODEL SOUND PRESSURE LEVELS (90 DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																
	63																
RADIAL	17. FT.																
	(5. M)	100	91.0	85.8	80.8	81.8	84.0	86.0	87.5	87.5	87.8	86.6					129.2
VEHICLE	UTMSIM	125	93.3	90.5	90.5	90.0	89.5	91.0	91.8	90.5	90.8	90.8					124.5
CONFIG	GO4	160	94.5	96.3	97.5	97.5	97.0	93.5	93.5	92.5	92.3	91.3					128.6
LOC	SCHENECTADY	200	96.0	97.2	98.0	98.2	98.5	96.0	94.5	92.0	90.5	89.2					129.4
DATE	7/8/75	250	99.2	98.5	97.7	97.0	97.2	98.0	97.7	95.7	95.3	92.8					130.6
RUN	34/9	315	98.2	100.2	99.2	97.7	97.5	98.0	98.5	97.2	96.3	95.8					131.5
TAPE		400	92.5	95.3	97.7	98.2	96.5	95.8	94.8	94.0	93.0	91.1					129.0
BAR	29.5 HG	500	89.3	91.0	92.3	92.0	91.5	90.8	90.8	88.8	88.8	85.8					123.9
	(996.63. N/M2)	630	90.3	92.3	93.5	94.5	93.7	92.6	91.5	90.0	88.5	87.3					125.6
TAMB	89. DEG F	800	87.8	90.5	93.0	94.5	94.0	93.1	92.0	89.8	88.0	86.6					125.4
	(305. DEG K)	1000	83.8	88.0	91.5	92.3	91.7	90.8	89.8	87.5	84.5	87.3					123.3
THEY	74. DEG F	1250	84.0	87.3	92.8	94.8	93.0	91.8	90.1	87.8	84.3	82.6					124.3
	(296. DEG K)	1600	82.0	85.6	92.8	94.5	94.0	92.4	90.4	87.6	84.5	82.1					124.5
HACT	16.49 GH/M3	2000	82.5	87.8	92.0	95.2	95.2	93.9	91.1	88.9	85.5	81.6					125.4
	(0.0149 KG/M3)	2500	85.8	90.6	95.3	98.2	97.9	96.4	93.9	91.4	87.3	83.4					128.2
NFA	10891. RPM	3150	92.5	97.8	102.0	104.9	105.7	104.8	102.1	100.5	95.7	90.9					135.9
	(1119. RAD/SEC)	4000	92.1	97.5	101.2	104.3	104.1	103.0	99.3	96.2	92.1	87.6					134.3
NFK	10395. RPM	5000	90.1	95.5	99.1	102.0	102.2	100.5	98.0	94.4	91.1	86.8					132.2
	(1088. RAD/SEC)	6300	93.9	100.1	104.1	106.5	104.9	104.2	101.6	96.9	93.7	89.5					136.1
NFD	11517. RPM	8000	91.4	97.8	101.1	103.2	103.2	102.5	100.0	96.1	92.4	88.9					134.0
	(1206. RAD/SEC)	10000	92.0	100.2	103.9	104.8	105.4	104.3	102.7	98.6	94.1	90.6					138.2
NO. OF BLADES	18	12500	92.2	99.3	103.5	104.8	104.6	104.1	103.0	98.3	93.8	90.2					136.2
FAN TIP SPEED	16000	20000	91.0	98.0	101.0	103.0	102.1	101.6	101.3	96.5	92.3	89.4					134.4
	933. FT/SEC	25000	88.9	97.6	101.2	102.5	101.8	101.3	101.0	96.2	92.1	89.8					134.6
		31500	88.3	96.8	100.0	101.4	101.1	100.5	99.4	95.6	91.3	89.4					134.2
		40000	86.5	95.2	98.9	99.7	99.8	99.5	98.4	93.9	89.8	87.5					133.8
		50000	80.4	91.6	94.7	95.7	95.1	95.6	95.5	90.4	87.1	84.8					131.5
		63000	76.1	88.5	90.2	91.5	92.7	91.3	92.1	85.3	83.2	79.8					129.5
		80000	76.2	81.6	83.6	83.5	85.9	84.4	85.3	78.8	75.5	71.6					125.2
			80.6	81.4	81.2	81.8	82.2	81.9	82.6	79.3	71.9	69.8					127.0
OVERALL MEASURED																	
OVERALL CALCULATED		106.6	110.5	113.4	115.1	114.8	114.0	112.4	109.1	106.0	103.7						146.5
PND8		116.6	121.2	124.5	126.7	126.9	126.0	123.7	121.5	117.8	114.3						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)
SIDELINE 500. FT. (152.40 M)	50	64.7	70.7	74.6	76.4	77.1	74.4	74.8	73.9	73.6	72.2				
	63	65.7	71.4	74.8	76.9	78.4	76.7	75.6	73.2	71.6	70.0				
	80	68.3	72.2	74.3	75.4	76.9	78.4	78.6	76.8	76.2	73.2				
	100	66.9	73.6	75.5	75.9	76.9	78.2	79.2	78.1	77.0	76.0				
NFA (3011. RPM (315. RAD/SEC)	125	60.6	68.2	73.7	76.1	75.7	75.8	75.3	74.7	73.6	71.1				
	160	58.8	63.6	67.9	69.6	70.4	70.6	71.1	69.2	67.1	65.6				
NFK (2928. RPM (307. RAD/SEC)	200	57.2	64.4	68.8	71.9	72.5	72.2	71.6	70.3	68.6	66.9				
	250	54.2	62.3	68.0	71.6	72.5	72.4	71.9	69.8	67.9	65.9				
NFD (3244. RPM (340. RAD/SEC)	315	49.5	59.3	66.1	69.0	69.9	70.0	69.4	67.4	64.2	66.5				
	400	49.1	58.1	67.0	71.2	70.9	70.7	69.5	67.4	63.7	61.5				
AIRFLOW RATIO	500	46.5	56.9	66.6	70.6	71.6	71.0	69.5	67.0	63.7	60.7				
WF/W 12.60	630	46.2	57.6	65.5	71.0	72.6	72.2	70.0	68.0	64.4	60.0				
	800	48.6	59.8	68.2	73.6	74.9	74.4	72.5	70.2	65.9	61.4				
VEHICLE UTHS/H	1000	54.4	66.4	74.5	79.9	82.3	82.6	80.4	79.0	74.0	68.6				
CONFIG G04	1250	53.1	65.4	73.1	78.9	80.3	80.4	77.3	74.3	70.1	64.9				
LOC SCHENECTADY	1600	49.8	62.4	70.4	76.0	78.0	77.4	75.6	72.1	68.6	63.6				
DATE 7/8/75	2000	52.2	66.2	74.6	79.9	80.2	80.6	78.7	74.3	70.8	65.9				
RUN 34/9	2500	48.5	63.0	71.1	76.1	78.0	78.5	76.7	73.0	69.1	64.9				
TAPE	3150	47.0	64.1	72.8	76.9	79.4	79.8	78.8	74.9	70.2	65.0				
FAN TIP SPEED	4000	44.1	61.1	70.9	75.6	77.6	78.4	78.2	73.7	69.0	64.5				
933. FT/SEC	5000	41.4	58.8	67.6	73.3	74.6	75.6	76.1	71.6	67.1	63.5				
	6300	34.1	55.0	65.4	70.7	72.6	73.7	74.3	69.9	65.4	62.3				
	8000	25.5	49.0	60.1	66.4	69.1	70.4	70.3	66.9	62.2	59.3				
	10000	12.7	40.1	53.6	60.3	63.8	65.9	66.1	62.0	57.5	54.0				
OVERALL CALCULATED	73.4	80.1	85.2	89.0	90.4	90.6	89.5	87.0	84.4	81.9					
PND8	74.9	88.2	96.3	100.7	102.6	102.9	102.0	98.6	94.6	90.8					
	50	74.5	79.7	83.3	84.8	85.4	82.6	83.0	82.1	81.8	80.4				
SIDELINE 200. FT. (60.96 M)	63	75.7	80.6	83.6	85.5	86.8	85.0	83.9	81.6	80.0	78.3				
	80	78.7	81.7	83.3	84.1	85.4	86.9	87.1	85.2	84.6	81.7				
	100	77.5	83.3	84.7	84.8	85.6	86.9	87.8	86.7	85.6	84.7				
	125	71.6	78.1	83.0	85.2	84.5	84.6	84.0	83.4	82.3	79.9				
	160	68.1	73.7	77.4	78.8	79.5	79.5	79.9	78.1	75.9	74.5				
	200	68.8	74.8	78.6	81.2	81.6	81.2	80.6	79.2	77.6	76.0				
	250	66.1	72.9	77.9	81.1	81.8	81.6	81.0	78.9	77.0	75.1				
	315	61.8	70.3	76.3	78.8	79.4	79.3	78.7	76.6	73.4	75.8				
	400	61.8	69.3	77.4	81.2	80.6	80.2	78.9	76.8	73.1	71.0				
	500	59.5	68.4	77.3	80.8	81.5	80.6	79.1	76.5	73.3	70.4				
	630	59.7	69.5	76.4	81.4	82.6	82.1	79.8	77.7	74.2	69.8				
	800	62.6	72.0	79.5	84.2	85.2	84.4	82.4	80.1	75.8	71.5				
	1000	69.0	79.0	86.0	90.8	92.8	92.8	90.6	89.1	84.2	78.8				
	1250	68.2	78.4	85.0	90.1	91.1	90.9	87.7	84.7	80.5	75.4				
	1600	65.7	76.0	82.7	87.5	89.1	88.2	86.2	82.7	79.2	74.5				
	2000	68.9	80.4	87.4	91.9	91.6	91.7	89.7	85.2	81.8	77.1				
	2500	66.0	77.7	84.3	88.4	89.7	90.0	87.9	84.2	80.4	76.3				
	3150	65.9	79.7	86.7	89.8	91.7	91.5	90.5	86.5	81.9	77.9				
	4000	64.9	78.1	85.9	89.4	90.7	91.1	90.5	86.0	81.4	77.2				
	5000	63.3	76.6	83.2	87.6	88.1	88.6	88.9	84.3	79.9	76.5				
	6300	59.4	75.2	82.7	86.5	87.5	88.0	88.2	83.7	79.3	76.5				
	8000	56.0	72.6	80.2	84.5	86.0	86.5	86.1	82.5	78.0	75.5				
	10000	50.4	68.7	77.6	81.6	83.5	84.7	84.4	80.1	75.7	72.8				
OVERALL CALCULATED	84.4	91.4	96.8	100.4	101.4	101.4	100.3	97.3	94.2	91.4					

Run 34/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																		
63																		
80																		
RADIAL 17. FT.		100	92.8	90.5	84.3	84.0	85.3	86.8	87.0	87.0	86.8	85.6						128.8
VEHICLE (5. M)		125	95.5	94.0	93.3	93.3	92.5	93.0	92.5	90.5	90.3	90.3						126.1
CONFIG CO4		160	94.5	95.0	95.8	95.8	93.5	93.8	93.5	91.3	90.3	90.1						127.1
LOC SCHEMECTADY		200	101.2	102.5	103.2	103.0	102.7	100.5	97.5	94.7	93.3	93.3						133.8
DATE 7/8/75		250	101.7	102.5	102.2	101.0	100.0	99.0	98.0	95.7	94.5	92.5						132.8
RUN 3/4/10		315	100.0	103.0	103.0	102.7	101.5	100.5	99.2	97.5	96.0	95.3						134.0
TAPE		400	95.3	98.3	100.5	101.2	100.5	99.8	97.8	96.0	94.8	93.6						132.1
BAR 29.5 HG		500	91.5	94.0	95.3	95.5	94.7	93.3	92.3	90.0	88.5	86.8						126.5
(99.83, N/M2)		630	91.8	95.3	96.3	97.0	96.7	95.6	93.3	91.3	89.5	88.1						128.0
TAMB 90. DEG F		800	90.5	92.0	94.3	95.8	95.5	94.6	92.8	90.5	88.8	86.8						128.7
(305. DEG K)		1000	88.3	89.3	92.3	94.5	94.0	93.1	91.8	89.0	86.8	84.3						125.1
T&ET 74. DEG F		1250	87.3	88.8	93.3	96.5	96.0	93.8	91.8	89.8	86.3	84.1						126.2
(296. DEG K)		1600	89.3	88.8	93.3	96.0	96.5	95.4	92.9	89.9	87.0	84.4						126.7
HACT 16.20 GH/M3		2000	89.3	89.8	93.3	96.5	97.7	96.6	93.6	91.2	87.3	84.1						127.6
(1.0, 620 KG/M3)		2500	91.5	91.6	94.8	98.5	98.7	98.1	94.9	92.2	88.8	85.1						129.0
NFA 1249. RPM		3150	97.0	97.3	101.3	104.7	105.2	105.3	102.6	100.0	95.5	90.1						135.9
(1241. RAD/SEC)		4000	98.2	101.3	103.2	106.5	108.3	107.8	105.1	102.4	98.1	92.3						138.5
NFK 11510. RPM		5000	97.3	99.0	101.4	104.0	105.0	104.0	101.0	96.6	83.8	89.5						135.0
(1205. RAD/SEC)		6300	101.9	101.4	103.6	106.3	107.0	105.7	102.6	98.0	95.7	92.0						137.2
NFD 11517. RPM		8000	99.7	102.3	105.1	107.2	107.2	105.5	103.0	99.9	96.2	92.9						137.7
(1206. RAD/SEC)		10000	97.5	102.7	105.4	107.1	107.4	106.5	105.5	101.3	97.1	94.1						138.5
NO. OF BLADES 18		12500	98.9	102.8	105.3	107.1	107.4	106.3	105.8	101.0	97.4	94.4						138.7
FAN TIP SPEED		16000	100.0	102.0	104.0	105.8	106.1	104.9	104.8	100.0	96.1	93.5						137.8
1034. FT/SEC		20000	97.2	101.4	103.3	105.5	105.1	104.4	104.5	100.0	96.3	94.4						137.8
		25000	95.9	100.3	103.0	104.2	104.4	103.8	103.2	99.4	95.3	94.2						137.6
		31500	96.6	99.5	101.7	103.3	102.9	102.8	102.2	98.0	94.6	92.8						137.4
		40000	90.5	95.5	98.8	99.8	100.4	99.1	99.6	94.5	91.4	89.9						135.6
		50000	91.3	91.3	93.8	94.8	96.9	95.2	96.0	89.7	87.6	84.7						133.4
		63000	95.7	84.0	86.5	87.2	90.5	88.3	89.2	82.0	81.4	76.3						138.4
		80000	100.8	81.6	81.4	82.3	83.2	82.7	82.8	79.5	75.4	71.1						134.5
OVERALL MEASURED																		
OVERALL CALCULATED		111.9	113.6	115.6	117.3	117.6	116.7	115.2	111.6	108.3	105.8						140.4	
PNDB		122.4	123.9	125.9	128.6	129.4	128.6	126.2	123.4	119.9	115.8							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F. 70 PERCENT REL. HUM. WAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)
SIDELINE 500. FT. (152.40 M)	50	64.7	69.5	72.9	74.6	73.6	74.6	74.8	72.7	71.6	70.9						
	63	70.9	76.6	80.1	81.6	82.6	81.2	78.6	76.0	74.4	74.0						
NPA (3338. RPM)	80	70.8	76.2	78.8	79.4	79.6	79.4	78.9	76.8	75.4	73.0						
(124. RAD/SEC)	100	68.6	76.3	79.2	80.9	80.9	80.7	80.0	78.4	76.7	75.5						
NFK (3242. RPM)	125	63.3	71.2	76.4	79.1	79.7	79.8	78.3	76.7	75.3	73.6						
(139. RAD/SEC)	160	59.0	66.6	70.9	73.1	73.7	73.1	72.6	70.5	69.6	66.6						
NFD (3244. RPM)	200	58.7	67.4	71.6	74.4	75.5	75.2	73.4	71.6	69.6	67.7						
(139. RAD/SEC)	250	56.9	63.8	69.2	72.8	74.0	73.9	72.7	70.6	68.7	66.2						
AIRFLOW RATIO	315	54.0	60.6	66.9	71.3	72.2	72.2	71.4	68.9	66.4	63.5						
(1340. RAD/SEC)	400	52.4	59.6	67.5	73.0	73.9	72.7	71.2	69.4	65.7	63.0						
NF/WM 12.60	500	53.7	59.1	67.1	72.1	74.1	74.0	72.0	69.2	66.2	63.0						
	630	53.0	59.6	66.7	72.3	75.1	75.0	72.5	70.3	66.2	62.5						
	800	54.3	60.8	67.7	73.9	75.7	76.1	73.5	71.0	67.4	63.2						
VEHICLE CONFIG	1000	58.9	65.9	73.7	79.7	81.8	83.1	80.9	78.5	73.8	67.8						
UTMSH GO4	1250	59.1	69.1	75.1	81.4	84.6	85.1	83.1	80.6	76.1	69.7						
LOC SCHENECTADY	1600	57.0	65.9	72.6	78.0	80.7	80.9	78.6	74.4	71.3	66.4						
DATE 7/8/75	2000	60.2	67.4	74.1	79.7	82.2	82.1	79.7	76.3	72.6	68.5						
RUN 34/10	2500	56.7	67.5	75.1	80.1	82.0	81.5	79.7	76.8	72.9	68.9						
TAPE	3150	52.5	66.6	74.3	79.1	81.4	81.9	81.5	77.7	73.2	69.5						
FAN TIP SPEED	4000	50.8	64.6	72.6	77.9	80.4	80.7	80.9	76.4	72.5	68.8						
1034. FT/SEC	5000	50.4	62.8	70.6	76.0	78.6	78.9	79.6	75.1	70.9	67.5						
	6300	42.4	58.8	67.4	73.7	75.9	76.6	77.8	73.6	69.7	66.8						
	8000	33.0	52.5	63.2	69.2	72.4	73.7	74.1	70.7	66.3	64.1						
	10000	22.7	44.4	56.4	63.8	67.1	69.2	69.9	66.1	62.3	59.3						
OVERALL CALCULATED		76.4	83.2	87.7	91.2	93.0	93.1	91.8	88.9	85.9	83.1						
PNGB		81.3	91.0	98.2	103.0	105.2	105.5	104.7	101.2	97.3	93.7						

	50	74.5	78.5	81.5	83.1	81.9	82.8	83.0	80.9	79.8	79.2						
	63	81.0	85.8	88.9	90.2	91.0	89.5	86.9	84.3	82.7	82.3						
SIDELINE 200. FT. (60.96 M)	80	81.2	85.7	87.8	88.1	88.2	87.9	87.3	85.2	83.9	81.5						
	100	79.3	86.0	88.4	89.8	89.6	89.4	88.5	86.9	85.3	84.2						
	125	74.3	81.1	85.8	88.2	88.5	88.6	87.0	85.4	84.0	82.4						
	160	70.3	76.7	80.4	82.3	82.7	82.0	81.4	79.3	77.7	75.5						
	200	70.3	77.8	81.3	83.7	84.6	84.2	82.4	80.5	78.6	76.7						
	250	68.9	74.4	79.2	82.4	83.3	83.1	81.8	79.7	77.8	75.4						
	315	66.3	71.5	77.0	81.0	81.7	81.5	80.7	78.1	75.7	72.8						
	400	65.1	70.8	77.9	82.9	83.6	82.2	80.7	78.8	75.1	72.5						
	500	66.8	70.7	77.8	82.3	84.0	83.6	81.6	78.8	75.8	72.7						
	630	66.5	71.5	77.6	82.7	85.1	84.8	82.3	80.0	75.9	72.3						
	800	68.4	73.0	79.0	84.5	86.0	86.2	83.4	80.9	77.3	73.2						
	1000	73.5	78.5	85.3	90.6	92.3	93.3	91.1	88.6	83.9	78.1						
	1250	74.2	82.2	87.0	92.6	93.3	95.6	93.4	90.9	86.5	80.2						
	1600	72.9	79.6	84.9	89.5	91.8	91.7	89.2	85.0	82.0	77.2						
	2000	76.9	81.6	86.9	91.6	93.6	93.2	90.7	87.2	83.8	79.6						
	2500	74.3	82.3	88.3	92.4	93.7	93.0	90.9	88.0	84.1	80.3						
	3150	71.4	82.2	88.2	92.0	93.7	93.8	93.3	89.3	84.9	81.4						
	4000	71.7	81.6	87.6	91.7	93.4	93.3	93.3	88.7	84.9	81.4						
	5000	72.4	80.6	86.2	90.3	92.1	91.9	92.4	87.8	83.7	80.5						
	6300	67.7	78.9	84.8	89.5	90.8	91.0	91.8	87.5	83.6	81.0						
	8000	63.6	76.2	83.3	87.3	89.3	89.8	89.9	86.3	82.0	80.3						
	10000	60.4	73.0	80.4	85.1	86.9	88.0	88.2	84.2	80.5	78.1						
OVERALL CALCULATED		88.1	94.4	98.9	102.5	104.1	104.1	102.9	99.8	96.2	93.3						

Run 35/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 18.2																			
		MODEL SOUND PRESSURE LEVELS (50. DEG. F. 70 PERCENT REL. HUM. DAY)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. PdB)		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.		
RADIAL 17. FT. 80		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.		
VEHICLE	UTASIA	125	78.3	77.8	77.3	76.1	74.8	72.8	72.4	74.0	72.7	73.6	73.6	76.1						109.7	
CONFIG	GD5	160	77.0	76.0	75.8	76.9	76.6	74.5	72.9	74.0	72.4	70.9	70.3	71.0						107.5	
LOC	SCHENECTADY	200	78.1	86.3	81.3	79.6	76.3	79.0	78.2	80.5	75.9	72.8	71.0	69.9						111.3	
DATE	7/9/75	250	85.5	84.8	84.0	84.1	83.1	82.8	82.4	79.3	82.4	80.1	78.5	76.1						115.3	
RUN	35/1	315	90.0	90.5	89.3	89.4	86.6	84.3	83.9	80.5	83.7	81.8	80.0	79.4						116.1	
TAPE		400	86.0	85.5	85.8	89.1	85.1	83.5	81.9	79.6	77.7	76.1	74.8	73.4						119.3	
BAN	29.5 MG	500	84.1	83.8	83.6	83.4	81.3	79.5	78.9	73.3	76.7	74.1	72.0	69.9						119.3	
	(96003. N/M2)	630	89.3	89.8	88.8	86.4	86.6	85.8	84.2	75.8	80.0	77.0	75.8	74.1						117.3	
TAMB	80. DEG F	800	90.3	90.0	90.1	90.1	89.3	87.8	85.7	74.6	82.0	79.4	76.5	74.1						119.0	
	(300. DEG K)	1000	89.3	88.3	87.1	86.4	85.1	83.5	82.4	73.1	79.0	76.1	72.0	69.4						115.5	
TWET	73. DEG F	1250	84.3	83.6	83.3	81.2	80.6	81.0	79.9	74.4	77.0	74.2	70.0	68.6						112.1	
	(298. DEG K)	1600	83.6	80.6	82.1	80.2	78.4	77.0	75.4	74.9	71.5	70.0	65.8	62.4						109.5	
MACT	8.19 GM/M3	2000	82.1	83.6	84.8	84.7	82.1	81.5	79.9	76.1	75.3	72.8	69.8	66.7						113.1	
	(.01819 KG/M3)	2500	96.1	97.6	98.5	98.5	91.9	93.5	93.6	77.9	87.8	84.8	81.0	77.4						125.3	
NFA	8264. RPM	3150	85.6	86.8	86.5	85.9	84.1	82.2	80.6	85.1	75.6	73.5	71.0	67.4						115.8	
	(865. RAD/SEC)	4000	90.3	86.0	90.4	86.6	87.2	85.6	83.7	88.0	79.0	76.2	73.6	70.3						116.7	
NFK	8102. RPM	5000	94.5	93.4	93.8	94.6	93.2	90.8	89.1	84.0	84.9	81.2	79.6	75.3						122.9	
	(848. RAD/SEC)	6300	93.6	93.0	92.1	94.2	91.4	90.3	87.1	85.7	82.3	78.0	77.2	75.0						122.2	
NFD	11517. RPM	8000	95.2	94.1	95.4	95.9	93.9	92.7	90.1	86.0	84.0	81.4	78.9	77.6						124.2	
	(1206. RAD/SEC)	10000	92.8	93.6	94.0	94.8	93.5	92.3	90.5	86.7	85.1	81.6	78.6	76.8						123.9	
NO. OF BLADES	18	12500	92.8	93.1	93.9	94.1	93.6	92.3	91.2	86.5	86.1	82.3	78.8	76.9						124.1	
FAN TIP SPEED	16000	20000	91.4	90.9	93.2	92.7	91.9	91.4	89.4	85.3	85.9	80.0	77.0	75.1						123.1	
	721. FT/SEC	25000	90.5	90.7	91.5	91.3	90.4	89.9	87.9	84.7	84.5	78.4	74.4	73.0						122.2	
		31500	89.0	88.5	90.9	88.9	89.1	88.0	86.5	83.5	81.8	76.5	71.8	70.5						121.1	
		40000	86.4	87.0	87.0	87.5	87.6	86.9	85.0	82.9	81.0	75.4	69.7	67.0						120.5	
		50000	83.3	82.9	83.2	83.5	83.8	82.8	81.0	79.3	77.2	71.0	65.1	62.1						117.9	
		63000	76.6	78.6	80.0	79.4	78.0	77.0	76.4	74.6	72.3	64.7	61.2	57.9						114.9	
		80000	74.4	71.5	78.7	72.9	70.6	69.8	68.5	67.4	65.0	58.4	59.3	57.9						111.9	
			70.8	69.9	76.7	70.6	69.8	70.4	61.7	61.2	61.3	58.2	60.7	63.4						114.8	
OVERALL MEASURED																					
OVERALL CALCULATED			104.4	104.4	105.2	104.7	103.1	102.2	100.7	96.8	96.3	92.8	90.2	88.3						134.4	
PdB			116.5	117.0	117.8	116.6	114.1	113.6	112.8	108.8	108.0	105.1	102.2	99.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.0 DEG. F. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
FREQ. (0.10-17)	38.5	45.9	51.4	53.7	53.4	53.0	54.9	53.7	52.3	51.0	52.0	50.5
SIDE LINE 900. FT. (132.40 M)	42.1	50.9	53.8	55.2	57.7	58.0	61.2	59.7	63.3	61.1	59.4	56.5
NFA 2328. RPM (244. RAD/SEC)	45.8	53.1	57.8	59.6	61.2	62.0	60.8	64.4	62.7	60.7	59.6	53.4
NFA 2282. RPM (239. RAD/SEC)	50.9	57.9	61.7	62.8	62.4	63.3	60.8	58.2	56.8	55.3	53.4	49.7
NFA 3244. RPM (340. RAD/SEC)	45.2	53.9	59.1	61.0	61.4	61.1	59.8	57.0	54.0	52.3	49.7	48.5
AIRFLOW RATIO	42.0	51.1	55.9	56.9	57.1	57.9	53.1	57.0	54.0	52.3	50.4	45.5
WF/WH 12:60	47.8	55.8	60.6	61.9	63.1	62.9	55.4	60.1	57.9	55.9	53.7	48.5
VEHICLE UTMS/M	47.2	56.5	61.9	64.3	64.9	64.1	54.0	61.8	59.4	56.4	51.7	45.5
CONFIC G05	44.6	52.8	57.7	59.7	60.3	60.6	52.2	58.6	56.0	53.6	49.5	45.3
LOC SCHENECTADY	36.8	48.4	52.0	54.8	57.5	57.8	53.2	56.4	53.8	52.1	49.0	45.3
DATE 7/9/75	37.8	49.3	55.0	56.0	57.7	57.6	54.8	54.5	52.1	49.0	45.9	45.0
RUN 35/1	50.7	62.2	60.3	65.3	69.3	71.0	50.2	66.7	63.9	59.9	55.0	45.5
TAPE	36.5	49.4	55.1	57.1	57.6	57.6	63.2	54.2	52.4	49.6	45.0	48.1
FAN TIP SPEED 721. FT/SEC	38.2	52.4	57.2	59.8	60.6	60.4	65.8	57.3	54.8	52.6	48.1	42.7
OVERALL CALCULATED PNOB	42.0	54.8	62.5	65.2	65.3	65.4	61.4	62.9	59.4	57.6	52.7	45.3
	39.3	53.9	61.3	62.7	64.3	62.9	62.6	59.9	56.6	54.8	52.0	45.2
	38.1	53.9	62.0	64.6	66.2	65.4	62.5	61.8	58.0	56.1	54.2	45.0
	35.0	51.2	60.1	63.5	65.4	65.4	62.9	61.9	56.7	55.4	52.5	45.9
	30.4	49.1	58.1	62.6	64.6	65.5	62.1	62.7	58.0	55.1	52.5	45.9
	22.1	45.4	54.9	59.6	62.5	62.7	60.0	61.4	55.7	52.4	49.4	47.4
	18.5	42.3	52.6	57.5	60.6	60.9	59.2	59.8	54.0	49.7	47.4	43.5
	5.9	36.7	47.0	53.8	56.8	57.9	56.8	55.8	50.7	45.7	43.5	37.8
		25.1	40.6	48.7	52.8	53.9	53.7	52.9	47.6	41.6	37.8	30.0
		10.7	29.8	39.8	44.7	46.5	47.2	46.3	40.4	34.1	30.0	26.2
	57.5	67.4	72.9	74.7	76.4	76.8	73.7	74.3	71.5	68.8	66.2	60.8
	62.2	75.5	83.0	86.2	88.1	88.6	85.0	86.0	82.3	78.8	76.0	70.0

SIDE LINE 200. FT. (60.96 M)	49.3	55.7	60.4	62.3	61.8	61.3	63.1	61.9	60.5	59.8	60.7	58.9
	52.8	61.0	63.0	64.0	66.2	66.5	69.5	65.4	62.4	60.5	58.9	55.4
	56.8	63.5	67.3	68.6	69.9	70.6	66.2	71.8	69.6	67.9	65.4	62.2
	62.2	68.6	71.4	72.0	71.3	72.0	69.4	73.0	71.3	69.3	68.2	62.2
	56.7	64.9	69.0	70.4	70.5	70.0	66.6	66.9	65.5	64.0	62.2	58.6
	54.5	62.4	66.1	66.5	66.4	66.9	62.0	65.8	63.4	61.2	58.6	52.8
	60.1	68.4	71.0	71.6	72.5	72.0	64.5	69.0	66.8	64.9	62.8	62.7
	59.8	65.4	72.6	74.3	74.4	73.4	63.1	71.0	68.5	65.5	61.8	57.8
	57.6	65.1	68.6	69.9	70.1	70.1	61.6	67.9	65.2	61.8	55.0	55.0
	52.3	61.1	63.2	65.3	67.4	67.5	62.7	65.8	63.2	59.6	55.0	55.0
	51.8	62.3	66.6	66.6	67.8	67.4	64.4	64.0	61.7	58.5	55.0	55.0
	65.2	75.7	78.1	76.2	79.7	81.0	66.1	70.5	73.0	69.7	65.6	55.5
	53.7	63.4	67.4	68.3	68.2	67.9	73.2	64.1	62.3	59.5	55.5	50.4
	54.2	66.9	69.9	71.3	71.5	70.9	70.1	67.5	64.9	62.1	58.4	53.2
	58.9	70.0	75.5	77.0	76.5	76.2	71.9	73.3	69.7	67.9	63.2	62.8
	57.4	69.6	74.9	75.0	75.9	74.0	73.4	70.5	67.2	65.5	62.8	65.3
	57.5	70.6	77.4	78.1	76.6	73.7	72.8	69.7	67.1	65.3	64.4	64.4
	56.1	68.8	74.9	76.7	77.7	77.2	74.3	73.2	69.9	66.7	64.4	64.4
	54.0	68.0	73.8	76.6	77.5	77.8	74.0	74.4	70.5	68.8	64.4	62.5
	49.0	66.3	71.9	74.6	76.3	75.7	72.6	73.7	68.1	64.8	62.5	60.5
	48.3	64.3	70.4	73.1	74.8	74.4	72.2	72.5	66.7	62.5	60.5	57.8
	42.3	62.0	67.1	71.2	72.6	72.8	70.9	69.7	64.5	59.7	57.8	54.9
	35.0	55.6	64.3	68.5	70.9	70.8	69.6	66.6	63.3	57.5	54.9	48.7
	22.6	48.4	55.3	63.8	66.0	66.3	65.9	64.5	58.5	52.4	48.7	46.7
OVERALL CALCULATED PNOB	71.0	81.2	85.5	86.7	87.8	87.6	84.5	84.7	81.4	78.6	76.1	70.1
	72.0	92.2	97.6	99.7	100.7	100.0	97.3	97.5	93.7	90.3	87.7	80.7

Run 35/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21. YR. 1964

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RAD/ANS)

FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0.)	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0.)														PaL					
	(0. 10.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0.) (0.) (0.) (0.) (0.) (0.)																			
RADIAL 17. FT. (S. M)	100	69.3	68.8	67.5	66.6	64.3	66.3	69.3	71.0	72.2	72.4	72.6	71.1							104.4
VEHICLE UT451M	125	78.0	78.0	77.0	75.8	75.3	74.0	72.8	72.5	72.9	72.9	72.6	73.4							107.7
CONFIG G05	160	79.1	76.5	75.9	77.6	77.1	75.8	73.5	74.3	74.7	72.0	73.0	73.0							108.6
LOC SCHENECTADY	200	79.1	81.0	81.0	80.4	79.3	79.5	78.5	78.8	78.9	73.0	72.8	71.4							111.5
DATE 7/9/75	250	86.5	85.8	84.8	84.9	83.8	83.8	83.2	83.8	82.9	81.1	79.0	77.3							110.5
RUN 35/2	315	91.0	91.5	89.8	90.1	87.8	86.0	85.0	85.3	84.4	83.3	80.8	80.4							119.0
TAPE 430	400	88.1	87.3	87.3	87.4	86.3	85.3	83.3	82.0	79.7	77.0	70.3	74.0							116.0
GAM 29.5 MG	500	85.0	85.8	85.3	84.9	82.6	82.0	81.0	80.8	78.4	76.4	73.8	71.6							114.5
197883. N/M21	600	89.8	89.5	88.0	88.7	87.3	86.1	84.5	82.8	80.7	78.4	76.0	74.9							118.0
TAMB 1. DEG F	600	90.3	90.0	89.3	90.6	89.3	88.0	86.2	85.3	82.5	79.0	77.0	74.6							116.0
(300. DEG K)	1000	89.1	88.0	85.6	84.9	84.1	84.0	82.7	81.6	79.5	76.0	73.0	70.1							115.0
TREY 73. DEG F	1200	81.1	81.8	81.3	82.4	80.6	80.5	79.7	78.4	76.7	74.4	70.0	67.1							112.2
(298. DEG K)	1600	82.4	81.3	80.8	81.7	80.1	78.5	76.7	74.6	72.8	71.2	67.8	64.4							110.4
HACT 17.89 GM/M3	2000	81.4	82.1	83.1	84.5	82.1	80.8	79.0	77.1	75.0	73.0	70.8	68.4							112.0
(.01789 KG/M3)	2500	95.9	95.3	97.0	95.2	91.9	92.5	91.7	89.1	86.8	84.8	80.5	77.2							124.4
NFA 9210. RPM	3150	91.8	92.0	93.5	91.9	89.1	88.5	87.9	85.6	83.8	81.8	77.2	73.9							121.1
(904. RAD/SEC)	4000	90.3	89.0	86.9	89.6	87.7	86.6	85.3	83.3	80.7	78.5	75.1	72.1							118.5
NFA 9221. RPM	5000	93.5	92.9	92.0	93.8	92.7	90.8	88.7	86.7	84.7	81.5	78.0	76.0							122.0
(944. RAD/SEC)	6000	92.0	93.7	93.7	94.2	92.1	90.8	88.4	86.7	84.3	81.0	79.0	76.3							122.7
NFB 11017. RPM	8000	93.7	95.3	95.7	95.1	93.9	92.9	90.4	88.8	85.9	83.2	81.2	79.1							124.6
(1206. RAD/SEC)	10000	94.3	95.6	95.5	95.5	94.2	92.6	91.8	89.5	87.3	84.1	80.6	78.1							123.1
NO. OF BLADES 18	12500	93.6	95.4	95.1	95.8	95.1	94.1	92.6	90.8	89.4	85.3	81.8	78.9							126.0
FAN TIP SPEED 804. FT/SEC	16000	92.5	92.7	93.2	93.7	93.2	92.7	91.0	89.3	88.1	83.9	80.0	77.4							124.6
	20000	91.1	91.7	92.3	92.6	92.4	91.9	90.2	88.2	86.5	82.2	77.7	75.8							124.1
	25000	90.1	90.5	86.9	91.0	90.8	90.0	88.1	85.3	84.8	80.7	75.0	73.8							122.9
	31500	88.4	88.8	88.5	89.3	89.2	88.5	87.1	85.2	83.0	79.5	74.2	70.0							122.4
	40000	84.1	84.0	84.0	85.1	85.1	83.8	83.1	81.1	80.3	74.8	69.6	65.4							119.0
	50000	79.6	79.7	79.6	80.2	79.9	77.8	78.1	74.7	75.4	68.9	64.3	60.2							116.1
	63000	74.3	71.6	72.6	72.6	71.5	70.6	71.0	67.1	67.3	61.0	56.4	56.0							111.3
	80000	73.4	70.1	69.3	70.7	70.6	71.0	61.4	61.5	58.3	60.9	63.4								113.0
OVERALL MEASURED																				
OVERALL CALCULATED		104.7	105.1	105.2	105.2	103.9	103.0	101.5	99.7	97.9	94.8	91.7	89.5							
PNW		116.6	116.5	117.2	116.4	114.3	113.7	112.5	110.5	106.4	100.1	102.9	100.1							135.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEC F, 70 PERCENT REL. HUM, DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
SIDE LINE 500. FT.	50	39.0	45.7	52.1	54.2	54.7	53.0	55.1	56.0	54.0	54.0	54.5						
(192.40 M)	60	42.9	50.7	54.5	56.2	56.2	56.4	59.4	58.0	54.0	53.0	52.0						
NFA 2594. RPM	100	46.8	53.9	58.6	60.3	62.2	62.9	64.2	63.0	62.1	59.0	57.0						
(272. RAD/SEC)	125	51.9	58.4	63.5	64.1	64.2	64.4	65.5	65.1	64.2	61.5	60.6						
NFK 2541. RPM	150	46.9	55.4	60.4	62.3	63.2	62.4	62.1	60.2	58.3	56.0	54.0						
(250. RAD/SEC)	200	44.6	52.8	57.4	58.2	59.6	59.9	60.6	58.7	56.0	54.1	51.4						
NFD 3244. RPM	250	47.2	55.7	62.4	64.3	65.1	64.7	64.7	62.3	59.7	56.0	54.0						
(340. RAD/SEC)	315	44.3	51.3	56.2	58.7	60.8	61.0	60.7	59.1	56.5	52.7	49.3						
AIRFLOW RATIO	400	37.1	46.4	53.2	54.8	57.0	57.7	57.2	56.2	54.0	49.5	46.0						
WF/KH 12.60	500	35.0	45.3	52.0	54.0	54.7	54.4	53.3	52.0	50.0	47.0	43.0						
VEHICLE UTHS/M	600	35.1	46.7	54.2	55.5	56.6	56.3	55.5	54.0	52.1	49.7	44.0						
CONFIG GOS	800	47.0	59.9	64.4	64.8	67.9	68.7	67.2	65.4	63.0	59.1	55.2						
LOC SCHEENECTADY	1000	42.8	53.5	60.5	61.6	63.4	64.0	63.3	61.9	60.3	55.5	51.0						
DATE 7/9/75	1250	37.5	49.9	57.5	59.7	61.2	61.6	60.7	58.7	56.7	53.1	49.5						
RUN 35/2	1500	39.3	52.3	60.8	63.9	64.7	64.5	63.6	62.2	59.2	57.1	52.9						
TAPE	2000	37.6	52.0	60.3	62.7	64.2	63.7	63.1	61.4	58.3	56.1	52.7						
FAN TIP SPEED	2500	36.0	52.7	60.3	63.9	65.8	65.2	64.8	62.6	60.1	57.9	55.2						
804. FT/SEC	3150	32.7	50.5	59.4	63.1	64.6	65.9	64.9	63.4	60.5	58.9	53.5						
OVERALL CALCULATED	4000	20.2	47.1	57.6	62.4	64.8	65.5	65.1	64.5	60.7	56.9	53.3						
PND	5000	21.1	43.5	54.6	59.8	63.0	63.5	63.3	63.0	58.4	54.8	51.4						
	6300	6.5	37.5	50.0	56.0	60.1	61.0	60.6	59.0	55.8	51.0	48.2						
	8000		27.1	43.1	51.0	55.0	56.2	56.2	55.5	52.0	46.5	43.7						
	10000		14.6	34.2	43.9	49.0	51.3	51.7	50.8	47.6	41.9	37.2						
	OVERALL CALCULATED	57.4	66.8	72.7	74.8	76.5	76.8	76.4	75.1	72.7	69.8	67.2						
	PND	60.9	75.4	83.3	85.6	86.5	89.1	88.6	87.5	84.3	80.7	77.6						

SIDE LINE 200. FT.	50	49.5	55.5	61.1	62.8	63.1	61.9	63.4	64.2	62.2	63.1	62.7						
(60.96 M)	60	53.5	60.8	63.7	65.0	66.7	66.8	67.8	66.4	63.2	62.2	60.4						
	80	57.8	64.3	68.1	69.3	70.9	71.5	72.7	72.3	70.6	68.4	66.3						
	100	63.2	69.1	73.2	73.2	73.1	73.1	74.2	73.7	72.0	70.1	69.2						
	125	58.5	66.4	70.3	71.6	72.2	71.3	70.8	68.9	67.0	65.5	63.4						
	150	56.5	64.1	67.6	67.8	68.9	69.0	69.5	67.6	65.7	62.9	60.3						
	200	59.8	67.4	71.2	72.4	72.8	72.4	71.5	69.8	67.0	65.6	63.5						
	250	59.8	67.6	73.1	74.3	74.7	74.0	73.9	71.5	68.8	66.0	63.2						
	315	57.3	63.6	67.1	68.9	70.6	70.4	70.1	68.4	65.7	62.0	58.8						
	400	50.6	59.1	64.5	65.3	66.9	67.3	66.7	65.6	63.4	58.9	55.5						
	500	49.5	58.3	63.6	64.6	64.8	64.2	62.9	61.5	60.1	56.5	52.7						
	630	49.7	60.3	66.1	66.5	66.9	66.4	65.3	63.7	61.8	59.4	54.6						
	800	62.2	73.9	76.6	76.0	78.5	79.0	77.2	75.4	73.5	69.1	65.3						
	1000	58.8	70.0	73.1	73.1	74.3	75.1	73.8	72.0	70.4	65.7	61.9						
	1250	54.4	65.0	70.6	71.6	72.3	72.3	71.2	69.1	67.0	63.5	60.0						
	1500	57.3	68.2	74.4	76.2	76.3	75.6	74.4	72.9	69.8	67.7	63.9						
	2000	57.0	68.7	74.5	75.5	76.1	75.1	74.2	72.3	69.2	67.0	63.9						
	2500	57.7	70.3	75.1	77.1	78.1	77.0	76.2	73.8	71.3	69.1	66.6						
	3150	56.3	69.4	75.1	77.0	77.5	76.2	76.8	75.1	72.1	68.0	65.4						
	4000	53.7	67.9	74.7	77.4	78.6	78.6	77.8	76.9	73.0	69.3	65.9						
	5000	49.9	65.5	72.4	75.4	77.2	77.0	76.3	75.7	71.1	67.0	64.5						
	6300	44.9	62.8	70.2	73.9	75.9	75.8	74.9	73.8	69.7	65.0	62.4						
	8000	37.5	57.6	66.8	71.1	73.1	73.0	72.4	71.3	67.0	62.3	59.8						
	10000	27.3	52.4	62.8	67.8	70.3	71.0	70.4	69.0	65.7	60.2	56.0						
	OVERALL CALCULATED	70.8	80.7	85.5	87.0	88.1	88.0	87.2	85.8	83.1	79.9	77.3						
	PND	80.4	92.7	98.3	100.4	101.5	101.4	100.6	99.4	96.0	92.5	89.3						

Run 35/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															PROC. DATE - MONTH 7 DAY 21 HR. 15.0			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0.) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0.) (0.) (0.) (0.) (0.)																				
RADIAL 17. FT.	50																			104.3
(5. M)	63																			107.5
VEHICLE UTMSH	80	69.6	68.6	67.6	66.6	64.6	65.0	69.0	71.0	72.4	72.4	72.3	71.1						106.0	
CONFIG 605	100	78.3	76.8	76.8	75.1	74.6	73.5	71.8	72.0	72.7	73.1	72.8	74.1						117.6	
LCC SCHEMECTAUY	125	78.3	76.5	76.0	77.9	77.1	75.5	74.3	73.0	72.9	71.1	71.3	71.1						112.9	
DATE 7/9/75	160	80.1	82.3	81.6	81.9	80.6	80.8	80.3	80.0	78.4	75.3	74.5	72.9						117.6	
RUN 35/3	200	88.0	87.0	86.0	86.1	85.1	85.0	84.7	85.0	84.4	82.0	80.5	78.6						120.1	
TAPE	253	91.8	92.5	90.8	90.6	88.3	86.3	85.5	85.3	84.9	83.6	81.6	80.6						118.9	
BAR 29.5 HG	315	89.3	88.5	88.8	89.4	88.3	87.5	85.3	83.6	82.2	80.6	78.5	77.6						116.0	
(99663. N/M2)	400	87.1	86.3	86.3	86.4	83.8	82.8	83.0	83.3	82.9	81.1	79.3	78.9						116.5	
TAMB 81. DEG F	500	86.3	86.5	86.3	86.9	85.6	85.3	83.3	82.1	80.2	77.9	76.1	74.4						116.1	
(300. DEG K)	600	86.8	85.8	84.8	85.4	85.1	84.8	83.5	82.3	80.7	78.4	75.5	73.6						113.5	
TMET 73. DEG F	800	85.8	84.5	84.6	84.9	81.8	82.0	81.7	80.1	79.0	76.6	72.9	70.6						113.4	
(296. DEG K)	1000	79.8	81.6	83.3	83.7	82.6	81.5	80.5	79.4	78.0	75.7	71.3	68.6						112.7	
NACT 17.89 CM/M3	1200	84.8	84.3	83.3	83.5	82.1	81.0	79.5	78.9	75.5	73.7	69.6	66.7						113.4	
(1.01789 KG/M3)	1500	86.4	86.6	85.6	84.2	82.4	81.3	79.5	77.1	74.3	73.3	70.0	67.2						118.1	
NFA 10026. RPM	2000	88.9	90.3	89.5	89.5	87.1	86.2	84.2	81.6	79.3	77.6	74.5	70.9						129.2	
(1113. RAD/SEC)	2500	98.8	102.3	98.3	99.9	97.8	97.7	96.7	93.1	92.1	90.3	88.2	83.4						120.9	
NFA 10400. RPM	3150	91.3	91.5	91.2	91.1	90.2	89.1	88.3	85.6	84.2	82.0	78.6	74.3						123.4	
(11090. RAD/SEC)	4000	93.0	93.4	93.4	92.6	92.7	91.6	91.5	88.7	87.0	83.7	81.1	77.3						127.4	
NFD 11517. RPM	5000	97.1	99.0	98.4	98.0	96.4	95.0	93.7	92.2	90.0	87.3	85.7	82.1						123.6	
(1200. RAD/SEC)	6000	92.9	93.6	94.4	94.6	92.4	91.4	89.7	88.0	85.9	83.9	80.9	77.6						126.2	
NO. OF BLADES 18	8000	90.8	90.1	90.3	90.8	95.5	94.1	92.3	90.5	88.6	85.9	82.6	80.6						126.9	
FAN TIP SPEED 928. FT/SEC	10000	95.1	95.0	95.4	96.3	95.8	95.1	93.6	91.6	90.6	87.3	84.5	81.2						125.2	
	12500	94.0	93.7	94.0	94.5	93.4	93.0	91.5	89.5	88.9	85.5	82.5	79.9						125.0	
	16000	93.0	93.2	93.3	93.4	92.9	92.4	90.7	89.0	88.0	84.7	81.9	79.0						123.9	
	20000	92.3	91.8	90.9	91.7	91.6	90.7	88.9	87.1	86.1	83.2	80.1	77.6						123.3	
	25000	90.9	89.6	89.0	90.3	89.9	89.2	87.1	86.2	85.0	81.5	78.2	74.6						120.5	
	31500	86.4	86.0	85.2	86.1	85.3	84.6	83.6	81.9	81.5	77.3	73.6	70.2						116.9	
	40000	81.4	80.4	80.3	80.9	80.1	78.9	78.4	76.0	76.4	71.0	68.8	64.5						112.1	
	50000	77.3	72.6	72.6	73.1	71.5	70.9	71.5	70.6	68.1	62.0	61.9	58.7						114.0	
	63000	74.4	70.1	69.3	70.7	70.0	70.6	71.0	70.7	61.7	58.3	60.9	59.9						136.8	
	80000																			104.0
OVERALL MEASURED																				136.8
OVERALL CALCULATED		106.1	107.2	106.0	106.5	105.3	104.5	103.1	101.1	99.8	97.2	94.6	91.6						136.8	
PWB		118.8	120.9	116.5	119.3	117.6	117.1	116.0	113.3	112.0	110.0	107.4	104.0							

Run 35/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PNCG, DATE = MONTH 7 DAY 21 HR, 1969

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)
SIDE LINE 500. FT. (152.40 M)	50	39.0	40.2	52.4	54.2	54.4	54.3	53.9	54.2	52.5	52.6	52.0
	63	44.1	51.4	50.0	57.4	59.4	60.1	60.7	59.5	56.0	55.7	53.5
	80	48.1	55.1	59.8	61.6	63.4	64.4	65.5	65.3	63.0	61.4	59.0
NFA 2993. RPM (313. RAD/SEC)	100	52.9	59.4	64.0	64.6	64.4	64.9	65.5	65.6	64.5	62.5	60.6
	125	46.2	56.9	62.4	64.3	65.4	64.4	63.8	62.7	61.3	59.1	57.6
NFK 2932. RPM (307. RAD/SEC)	160	45.1	53.6	58.9	59.4	60.4	61.9	63.1	63.2	61.0	59.6	56.7
	200	44.0	53.3	59.1	60.9	62.6	62.0	61.7	60.3	58.1	56.2	54.0
NFD 3244. RPM (340. RAD/SEC)	250	43.0	51.2	57.1	60.0	61.9	62.0	61.7	60.0	58.4	56.4	53.0
	315	40.8	46.3	52.2	56.4	58.8	60.0	59.2	58.6	56.5	52.2	49.8
AIRFLOW RATIO NF/WH 12.60	400	37.1	46.4	54.5	56.6	58.0	58.4	58.3	57.4	55.3	50.7	47.5
	500	38.6	47.8	53.8	56.0	57.2	57.1	55.5	54.7	53.1	49.0	45.3
	630	39.6	49.2	54.0	55.8	57.1	56.6	55.5	53.2	52.4	48.9	45.5
	800	42.0	52.4	58.6	60.1	61.6	61.2	59.7	57.9	56.0	53.1	49.0
VEHICLE CONFIG	1000	52.5	60.2	68.5	70.3	72.7	73.3	70.8	70.4	68.0	66.5	61.1
LOC SCHEMECTADY	1250	40.0	52.1	59.0	62.2	63.7	64.0	63.2	62.2	60.2	58.6	51.7
DATE 7/9/75	1600	39.8	53.0	59.8	63.9	65.7	67.2	65.6	64.5	61.4	58.6	54.2
RUN 35/3	2000	42.9	56.7	64.0	66.9	68.4	68.9	68.6	67.1	64.0	62.6	58.3
TAPE	2500	34.9	51.5	59.8	62.4	64.3	64.5	64.0	62.6	60.9	57.6	53.7
FAN TIP SPEED 928. FT/SEC	3150	33.2	51.3	60.6	64.4	66.1	66.4	65.9	64.9	62.2	58.9	56.2
	4000	26.4	47.3	58.1	63.1	65.8	66.5	66.2	65.8	62.7	59.7	55.5
	5000	21.1	44.3	55.3	60.1	63.2	64.0	63.5	63.7	60.6	57.3	53.9
	6300	10.0	38.5	50.8	57.1	60.6	61.5	61.4	61.3	58.3	55.3	51.4
	8000		28.1	43.9	52.0	55.7	56.9	57.0	57.0	54.5	51.0	47.7
	10000		15.1	35.2	44.6	49.8	51.3	52.7	52.8	49.0	45.9	41.2
OVERALL CALCULATED PND#		58.5	67.1	73.8	76.2	78.1	78.6	77.7	77.0	75.0	72.5	69.1
		63.6	76.4	84.2	87.6	89.6	90.1	89.6	89.0	86.3	83.4	79.7

	50	49.5	56.0	61.4	62.8	62.8	62.6	62.1	62.4	60.7	60.8	60.2
SIDE LINE 200. FT. (60.96 M)	63	54.8	61.5	65.2	66.2	68.0	68.6	69.1	67.9	64.9	64.0	61.9
	80	59.1	65.5	69.3	70.6	72.1	73.0	74.0	73.8	72.1	69.9	67.5
	100	64.2	70.1	73.7	73.7	73.3	73.6	74.2	74.2	73.0	71.1	69.5
	125	59.7	67.9	72.3	73.6	74.5	73.3	72.6	71.4	70.0	67.6	66.4
	160	57.0	65.1	69.1	69.0	69.6	71.0	72.0	72.1	70.4	68.4	65.6
	200	56.8	64.9	69.5	70.6	72.0	71.1	70.7	69.3	67.1	65.1	63.0
	250	55.6	63.1	67.8	70.0	71.4	71.3	70.9	69.7	67.5	64.5	62.4
	315	53.8	58.6	63.1	66.6	68.6	69.4	68.6	67.9	65.7	61.5	59.1
	400	50.6	61.1	65.7	67.3	67.9	68.1	67.8	66.8	64.7	60.1	57.0
	500	52.5	60.6	65.3	66.6	67.3	67.0	65.2	64.3	62.6	58.5	55.6
	630	54.2	62.8	65.9	66.7	67.4	66.9	65.3	62.9	62.1	58.7	55.4
	800	57.2	66.4	70.9	71.3	72.3	71.5	69.7	67.9	66.5	63.1	59.0
	1000	68.5	74.7	81.1	81.8	83.6	83.8	81.1	80.5	78.9	76.7	71.4
	1250	56.9	67.3	72.1	74.1	74.8	75.3	73.7	72.6	70.5	67.0	62.2
	1600	57.8	68.9	73.4	76.2	77.3	76.3	76.4	75.1	72.0	68.2	65.0
	2000	62.3	73.5	78.2	79.7	80.4	80.4	79.7	78.1	75.5	74.8	69.6
	2500	55.9	69.0	74.6	75.6	76.6	76.2	75.5	73.8	72.1	68.9	65.1
	3150	56.8	70.1	76.3	78.3	79.0	78.7	77.8	76.6	73.9	70.6	66.1
	4000	54.0	68.1	75.2	78.1	79.6	79.6	78.8	78.2	75.0	72.1	68.2
	5000	50.9	66.3	73.1	75.7	77.5	77.5	76.6	76.5	73.3	70.1	67.0
	6300	46.4	63.8	70.9	74.4	76.4	76.3	75.7	75.3	72.2	69.2	65.7
	8000	38.8	58.6	67.5	72.1	73.8	73.8	73.1	72.8	70.1	66.0	63.8
	10000	28.1	52.9	63.8	68.6	71.1	71.0	71.4	71.0	67.7	64.2	60.0
OVERALL CALCULATED PND#		72.7	81.4	86.8	88.4	89.7	89.6	88.8	87.8	85.5	82.9	79.4
		82.0	93.4	99.2	101.2	102.5	102.5	101.6	100.9	98.1	95.2	91.5

ORIGINAL PAGE IS OF POOR QUALITY

Run 35/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 19.0																	
		MODEL SOUND PRESSURE LEVELS (DB. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PdB
FREQ. (0.		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	
	50																		
	63																		
RADIAL	17. FT.																		104.1
	(5. M)																		
VEHICLE	UTMSIM	100	79.8	80.5	67.5	66.4	64.3	66.0	69.5	70.5	71.8	72.3	72.3	71.4					107.0
CONFIG	GDS	125	80.8	77.8	76.5	74.9	75.6	73.8	72.0	72.5	73.3	72.8	74.1	74.1					107.9
LGC	SCHENECTADY	160	78.6	76.5	75.3	77.4	76.6	75.3	74.9	73.8	73.5	71.8	71.8	70.9					113.5
DATE	7/9/75	200	81.6	83.3	82.5	82.1	81.6	81.5	80.8	80.5	79.3	78.0	74.8	73.6					117.0
RUN	35/4	250	87.0	86.5	85.5	86.1	85.1	85.3	85.0	84.3	84.0	81.8	80.5	78.1					119.8
TAPE		315	90.8	91.8	90.5	90.1	87.3	85.8	85.2	85.0	84.5	82.8	81.5	80.9					118.6
		400	87.0	88.3	88.3	89.1	88.1	87.0	85.5	84.1	81.5	80.1	78.0	77.9					115.5
BAR	29.5 MG	500	84.8	86.3	85.6	85.6	84.1	83.0	82.5	81.8	80.3	78.5	76.3	74.3					114.7
	(199603. N/M2)	630	83.0	84.5	84.1	84.4	84.1	83.6	81.8	80.3	78.5	76.3	74.3	73.1					115.0
TAPE	81. DEG F	800	86.6	83.8	82.3	83.6	83.3	83.5	83.0	82.6	79.8	77.8	76.0	73.1					114.8
	(300. DEG K)	1000	83.3	84.3	81.8	83.1	83.8	82.5	82.2	81.8	81.0	78.8	75.9	72.1					113.3
TAPE	73. DEG F	1250	83.8	85.6	84.6	84.7	83.6	82.5	80.5	79.6	78.3	75.8	74.3	68.4					113.3
	(296. DEG K)	1600	84.6	85.6	84.1	84.5	83.1	81.5	79.9	78.1	76.1	73.9	71.3	67.9					114.1
HACT	17.89 CM/M3	2000	85.1	85.6	83.3	84.2	83.4	82.3	81.2	79.6	77.8	75.7	72.3	69.2					119.0
	(.01789 KG/M3)	2500	87.4	90.3	86.0	89.2	88.9	87.2	85.7	84.1	82.6	80.5	77.5	72.9					129.6
NFA	11043. RPM	3150	97.1	99.6	101.3	99.4	99.3	97.0	95.4	94.6	93.9	91.5	89.7	83.7					122.6
	(1156. RAD/SEC)	4000	91.8	92.2	93.4	93.1	92.2	89.9	88.8	87.6	86.8	84.4	82.1	78.3					123.4
NFR	10816. RPM	5000	92.5	93.2	93.6	93.6	92.2	90.5	90.7	89.0	87.6	84.9	82.6	77.5					127.1
	(1132. RAD/SEC)	6300	96.1	98.5	96.9	97.7	95.4	95.3	93.4	92.4	90.6	88.2	86.5	83.1					123.9
NFD	11517. RPM	8000	94.4	95.3	94.2	94.1	92.7	91.7	89.4	88.8	87.7	85.4	83.4	79.9					126.0
	(1256. RAD/SEC)	10000	96.3	96.6	95.8	96.3	94.7	93.3	91.8	91.0	89.7	87.3	84.8	82.3					125.8
NO. OF BLADES	18	12500	95.0	96.1	94.9	95.3	94.1	93.1	92.1	90.5	90.0	87.0	84.8	81.4					124.2
FAN TIP SPEED	16000	16000	93.2	93.4	93.2	93.7	92.4	91.5	90.0	88.3	86.9	84.2	82.5	79.7					123.7
	904. FT/SEC	20000	92.8	92.7	92.3	92.6	91.4	90.6	88.7	87.5	87.1	83.7	81.9	78.8					122.4
		25000	92.8	91.0	89.7	90.7	89.8	88.5	87.1	85.8	84.7	81.9	80.1	77.3					121.7
		31500	90.9	89.1	88.0	88.8	88.4	86.7	85.3	84.7	83.1	80.2	78.2	74.8					119.1
		40000	88.6	85.0	84.0	84.6	84.3	82.8	81.9	80.2	79.9	76.0	74.1	70.7					116.2
		50000	89.9	80.2	79.3	80.2	78.6	77.4	77.6	74.7	75.7	70.2	69.8	65.0					112.2
		63000	84.8	71.8	71.9	72.6	70.7	69.9	70.7	69.8	69.9	65.5	63.6	59.0					118.3
		80000	64.2	70.1	69.3	70.7	70.0	70.6	71.0	70.7	71.3	68.0	62.1	62.4					
OVERALL MEASURED																			136.4
OVERALL CALCULATED		105.8	108.5	106.3	106.1	105.1	103.7	102.3	101.2	100.2	97.7	95.7	92.2						
PNOB		117.7	119.4	119.9	119.1	118.5	116.7	115.3	114.4	113.4	111.1	109.1	104.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIAN)															
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°				
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
50	39.0	45.4	51.9	53.7	54.2	54.1	54.6	54.6	53.2	53.1	51.7					
63	45.1	52.2	56.3	58.4	60.2	60.6	61.2	60.4	57.3	55.9	54.3					
80	47.6	54.6	59.8	61.6	63.7	64.6	64.7	64.9	62.8	61.4	59.5					
SIDE LINE 500. FT. (152.40 M)	100	52.1	59.1	63.5	63.6	63.9	64.7	65.3	63.2	63.7	62.2	61.1				
NFA 3110. RPM (329. RAD/SEC)	125	47.9	56.4	62.1	64.0	64.9	64.7	64.1	62.0	60.7	58.6	57.9				
NFK 3047. RPM (319. RAD/SEC)	200	45.1	53.1	58.2	59.7	60.6	61.4	61.6	60.6	58.0	56.1	53.7				
NFD 3244. RPM (340. RAD/SEC)	250	42.6	51.0	56.6	59.4	60.9	60.5	59.9	58.6	56.0	54.4	52.7				
315	41.0	48.7	55.4	58.3	60.6	61.5	62.0	59.7	57.0	55.9	52.5					
400	40.6	47.6	54.4	58.4	59.3	60.5	61.0	60.7	58.4	55.0	51.3					
AIRFLOW RATIO WF/WH 12.60	500	40.8	49.7	55.5	57.6	59.0	58.4	58.5	57.8	55.2	51.7	47.3				
630	39.8	48.5	54.8	57.0	57.7	57.1	56.8	55.3	53.3	50.5	46.5					
800	38.6	47.0	54.0	56.8	58.1	58.6	58.0	56.5	54.8	51.2	47.6					
1000	42.0	50.9	58.4	61.8	62.6	62.7	62.2	61.2	59.3	56.1	51.0					
VEHICLE UTMSH CONFIG 605	1250	49.8	63.2	69.0	71.8	71.9	72.1	72.3	72.2	70.0	66.0	61.4				
LOC SCHENECTADY	1600	40.9	54.4	61.0	64.2	64.4	65.1	64.9	64.6	62.6	60.1	53.7				
DATE 7/9/75	2000	39.5	53.3	60.5	63.4	64.5	66.5	65.9	65.3	62.6	60.3	54.4				
RUN 35/4	2500	42.4	55.2	63.8	65.9	68.7	68.7	68.9	67.7	65.5	63.6	59.5				
TAPE	3150	36.6	51.2	59.3	62.6	64.6	64.2	64.6	64.4	62.3	60.1	55.9				
FAN TIP SPEED 964. FT/SEC	4000	33.7	50.8	60.1	63.6	65.4	65.9	66.4	65.8	63.7	60.9	57.7				
6300	26.9	46.8	57.1	61.4	63.8	65.0	64.9	65.1	62.4	59.9	55.8					
8000	20.8	43.5	54.6	59.3	61.7	62.5	62.3	62.8	59.3	57.3	53.7					
10000	9.5	37.5	50.0	55.6	58.8	59.5	59.9	60.4	57.3	55.3	51.2					
OVERALL CALCULATED PNDB		26.8	42.9	50.0	53.5	55.2	55.7	55.6	53.2	51.6	47.2					
		14.1	33.7	43.1	47.3	49.5	51.2	50.8	48.3	45.9	41.2					
		57.7	67.6	73.5	76.5	77.6	78.0	78.1	77.6	75.4	73.3	69.3				
		62.6	75.8	84.0	87.2	89.1	89.5	89.8	89.2	86.9	84.4	80.6				
50	49.5	55.2	60.9	62.3	62.6	62.4	62.9	63.0	61.4	61.3	60.0					
63	55.8	62.3	65.5	67.2	68.7	69.1	69.6	69.7	68.6	64.2	62.6					
80	58.6	65.0	69.3	70.6	72.4	73.2	73.2	73.4	71.3	69.9	67.0					
SIDE LINE 200. FT. (60.96 M)	100	63.4	69.8	73.2	72.7	72.8	73.4	73.9	73.8	72.2	70.8	69.7				
125	59.5	67.4	72.0	73.4	74.0	73.6	72.9	70.7	69.4	67.3	66.7					
160	57.0	64.4	68.4	69.3	69.9	70.5	70.5	69.4	66.9	64.9	62.6					
200	54.8	62.6	67.0	69.1	70.3	69.6	69.0	67.6	65.5	63.4	61.8					
250	53.6	60.6	66.1	68.3	70.2	70.8	71.2	68.8	66.7	65.0	61.7					
315	53.6	59.9	65.4	68.6	69.1	69.9	70.3	70.0	67.6	64.2	60.6					
400	54.3	62.4	68.7	68.3	68.9	68.1	68.0	67.2	64.6	61.1	56.8					
500	53.8	61.6	68.3	67.6	67.8	67.0	66.4	64.9	62.6	59.0	56.2					
630	53.2	60.5	65.9	67.7	68.4	68.6	67.8	66.3	64.5	60.9	57.4					
800	57.2	64.9	70.6	73.0	73.3	73.0	72.2	71.2	69.2	66.1	61.0					
1000	65.8	77.7	80.6	83.3	82.8	82.6	82.6	82.3	80.1	78.2	71.6					
1250	57.6	69.5	74.1	76.1	75.6	75.8	75.4	74.9	72.9	70.5	64.2					
1600	57.6	69.2	74.2	75.7	76.0	77.6	76.7	76.0	73.2	71.0	65.2					
2000	61.8	72.0	78.0	78.7	80.8	80.1	80.0	78.7	76.4	74.5	70.6					
2500	57.7	68.8	74.1	75.8	76.9	76.0	76.2	75.7	73.5	71.4	67.3					
3150	57.3	69.6	75.8	77.5	78.3	78.2	78.3	77.5	75.3	72.6	69.6					
4000	54.5	67.6	74.2	76.4	77.0	78.1	77.5	77.5	74.7	72.3	68.4					
5000	50.6	65.5	72.4	74.7	76.0	76.0	75.3	75.6	72.0	70.1	66.7					
6300	45.9	62.8	70.2	72.9	74.6	74.3	74.2	74.4	71.1	69.2	65.4					
8000	38.0	57.4	66.5	70.1	71.6	72.0	71.9	71.4	68.6	66.6	63.3					
10000	27.6	51.9	62.3	67.1	68.6	69.3	69.9	69.1	66.4	64.2	60.0					
OVERALL CALCULATED PNDB		71.7	81.9	86.5	88.4	89.0	89.0	88.8	86.3	85.9	83.6	79.6				
		81.8	92.9	98.8	100.7	101.6	101.6	101.5	100.8	98.4	96.0	92.4				

Run 35/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 HR. 15.0

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL 17. FT.	59																	
(5. M)	63																	
VEHICLE UTMSH	100	68.1	68.6	69.0	73.4	63.3	64.8	67.0	69.3	70.4	70.6	71.1	69.4					103.3
CONFIG G05	125	76.0	76.3	74.8	76.9	73.1	72.5	71.0	72.0	71.9	72.4	72.3	73.4					106.8
LOC SCHENECTADY	160	77.6	76.5	75.3	77.6	75.8	74.8	74.3	73.5	73.2	71.4	72.1	71.6					107.8
DATE 7/9/75	200	82.1	83.0	84.3	84.1	81.8	82.0	82.8	82.0	80.2	76.3	74.5	73.1					114.6
RUN 35/5	250	86.8	86.0	85.0	85.4	83.8	83.8	83.5	83.5	82.9	81.1	79.0	77.0					116.6
TAFE	315	90.3	90.5	88.3	88.6	86.1	84.3	84.0	83.8	83.7	81.6	80.0	79.4					118.2
BAR 29.5 HG	400	87.1	86.8	86.3	86.4	86.3	86.0	84.3	82.8	80.2	79.4	77.5	76.4					117.4
(99683.1 N/M2)	500	83.6	84.3	82.8	83.4	81.1	80.5	80.3	79.3	77.7	76.1	74.5	72.9					113.2
TAMB 81. DEG F	630	80.8	83.0	80.6	82.9	80.1	80.8	78.8	78.1	77.0	76.4	75.8	75.4					112.6
(303. DEG K)	800	81.3	80.3	79.1	82.1	85.1	87.3	86.5	86.3	85.2	83.4	80.8	78.1					118.2
THEY 74. DEG F	1000	79.3	82.0	81.1	83.1	83.3	81.5	80.5	80.1	78.2	75.1	74.5	72.4					113.5
(296. DEG K)	1250	80.1	82.1	81.8	83.7	83.8	82.3	82.0	82.1	79.5	76.7	75.0	71.6					114.5
HACT 18.84 GM/H3	1800	82.9	82.3	81.1	81.7	80.4	79.0	78.2	77.1	76.0	74.0	70.8	66.9					111.4
(.01884 KG/M3)	2000	84.6	83.3	81.3	82.0	81.6	80.8	79.7	78.9	77.3	75.0	71.3	66.4					112.0
NFA 11340 RPM	2500	85.1	88.3	88.3	88.2	86.1	84.7	83.7	84.1	83.1	81.0	77.3	73.4					117.8
(1107. RAD/SEC)	3150	86.8	98.3	97.3	97.4	95.6	93.5	92.4	92.6	91.8	90.3	88.2	81.7					126.9
NFR 11107 RPM	4000	92.3	93.0	91.9	92.4	90.7	88.6	88.1	87.5	86.7	84.2	82.1	76.8					121.9
(1183. RAD/SEC)	5000	90.5	92.2	91.1	91.1	90.7	88.0	87.5	86.7	85.7	83.5	80.3	75.8					121.1
NFD 11517 RPM	6300	93.9	94.7	94.4	93.5	92.4	91.8	89.4	89.7	88.5	86.3	84.0	80.1					123.9
(1208. RAD/SEC)	8000	92.4	93.1	91.7	91.6	90.7	89.7	87.9	87.8	86.6	84.4	82.4	76.1					122.1
NO. OF BLADES 18	10000	93.8	93.9	92.8	93.3	92.0	90.8	90.1	88.2	86.1	85.9	83.6	80.6					123.6
FAN TIP SPEED 23000 FT/SEC	12500	94.0	93.1	92.1	92.6	91.5	90.8	89.8	88.3	88.1	85.8	83.3	79.0					123.4
31500	18000	91.4	91.2	90.4	90.2	89.2	88.7	87.2	86.0	86.4	83.0	80.7	77.9					121.5
40000	23000	90.3	89.9	89.0	88.8	87.9	87.6	86.2	84.4	84.2	81.2	79.4	76.7					120.6
50000	25000	88.3	88.0	86.9	87.2	86.3	85.2	84.1	83.0	82.5	79.4	77.3	76.0					119.4
63000	31500	86.3	86.0	85.0	85.0	84.6	83.6	82.5	81.1	80.7	77.9	75.4	73.0					118.5
80000	40000	82.0	81.8	80.6	81.2	80.7	79.9	78.5	77.5	77.4	73.7	72.0	68.6					116.0
OVERALL MEASURED	50000	77.0	77.2	76.4	76.8	75.7	74.5	74.7	72.6	73.0	67.6	67.4	63.3					113.1
OVERALL CALCULATED	63000	69.5	69.6	69.6	70.6	69.0	68.4	69.0	64.8	65.3	60.3	61.1	59.2					109.2
PNDP	80000	70.1	69.8	69.0	70.4	69.8	70.2	70.6	60.6	61.2	58.0	60.5	66.0					113.7
		103.9	104.4	103.5	103.6	102.3	101.2	100.1	99.5	98.7	96.6	94.4	90.9					134.1
		116.8	117.9	116.8	117.2	115.6	114.0	113.0	112.9	111.9	110.2	108.0	103.2					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY)

FREQ (0.0)	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
SIDE LINE 500. Ft.	39.0	45.4	52.1	53.0	53.7	54.3	54.4	54.5	52.8	53.3	52.5	
(152.40 M)	45.0	53.9	58.3	58.7	60.7	62.0	62.7	61.3	57.0	55.7	53.8	
NFA (334. RAD/SEC)	47.1	54.1	59.1	60.3	62.2	63.1	64.0	63.8	62.1	59.9	58.0	
NFA 3128. RPM	50.9	56.9	62.0	62.3	63.9	63.4	62.8	60.7	60.0	58.1	56.4	
(326. RAD/SEC)	43.1	50.3	55.9	56.7	58.1	57.5	57.7	57.1	56.0	54.8	52.7	
NFA 3244. RPM	41.1	47.5	53.1	55.4	58.1	57.5	57.7	57.1	56.0	55.9	55.0	
(340. RAD/SEC)	37.5	45.5	53.9	60.0	64.4	65.0	65.7	65.1	63.4	60.7	57.5	
AIRFLOW RATIO	36.3	46.8	54.4	57.9	58.3	58.7	59.2	57.9	55.0	54.2	51.5	
W/F/M 12.60	37.3	46.8	54.4	57.9	58.3	58.7	59.2	57.9	55.0	54.2	51.5	
VEHICLE CONFIG	36.6	45.5	52.0	54.2	55.2	55.9	55.8	55.2	54.1	50.2	48.8	
LOC SCHENECTADY	36.4	45.0	51.7	55.0	56.6	57.1	57.2	56.2	54.1	50.9	51.3	
DATE 7/9/75	40.0	51.1	57.4	59.1	60.1	60.7	62.2	61.7	59.0	55.9	51.3	
RUN 35/5	48.5	59.2	65.0	66.1	66.4	67.1	70.3	70.1	68.8	66.5	59.4	
TAPE	41.5	52.9	60.2	62.7	63.2	64.3	64.9	64.7	62.4	60.1	54.0	
FAH TIP SPEED	38.5	50.8	53.0	61.9	62.0	63.2	63.0	63.2	61.2	57.8	52.7	
990. FT/SEC	38.6	52.7	59.5	62.9	65.2	64.7	66.1	65.6	63.0	61.1	56.5	
5000	34.4	48.7	56.8	60.6	62.0	62.7	63.8	63.3	61.4	59.1	54.2	
8000	31.0	47.8	57.1	60.8	62.9	64.2	63.0	64.2	62.2	59.7	50.0	
10000	23.9	44.1	54.4	58.9	61.6	62.8	62.6	63.3	61.2	58.4	54.0	
OVERALL CALCULATED PND	18.0	40.8	51.0	55.8	58.9	59.8	60.0	61.2	58.1	55.5	51.9	
	0.7	34.2	40.3	52.0	55.8	57.0	58.9	57.5	54.0	52.7	49.1	
		24.0	39.3	46.4	50.2	52.1	52.9	53.5	50.7	48.2	45.9	
		11.1	29.9	39.3	44.2	46.7	47.6	48.4	46.0	43.1	39.4	
		56.4	65.2	71.8	74.0	75.4	76.1	76.8	70.4	74.8	72.3	68.4
		60.5	73.3	81.2	84.7	86.6	87.6	87.7	87.8	85.8	83.2	79.3

ORIGINAL PAGE IS OF POOR QUALITY

SIDE LINE 200. Ft.	49.5	55.2	61.1	61.6	62.1	62.6	62.6	62.7	61.6	61.6	60.7	
(60.96 M)	56.3	64.0	67.5	67.5	69.2	71.1	71.0	72.3	69.6	64.0	62.1	
100	58.1	64.5	68.6	69.3	70.9	71.7	72.5	73.0	71.0	69.3	68.2	
125	62.2	67.6	71.7	71.5	71.3	72.1	72.7	73.0	71.0	69.3	68.2	
160	58.0	65.4	71.3	71.6	73.0	72.3	71.6	69.4	68.7	66.8	65.2	
200	55.0	61.6	65.1	66.3	67.4	68.2	68.0	66.8	65.4	63.7	61.6	
250	53.3	59.1	63.5	65.1	67.5	66.6	66.7	66.0	65.0	64.9	64.0	
315	50.1	57.4	64.6	70.0	73.9	74.3	74.9	74.2	72.5	69.8	66.7	
400	51.3	59.1	65.4	68.1	68.1	68.2	68.6	67.1	64.2	63.5	60.8	
500	50.8	59.6	65.7	68.5	68.7	69.6	70.5	68.3	65.7	63.9	60.0	
600	50.5	58.6	63.6	64.9	65.3	65.7	65.4	64.6	62.9	59.5	55.2	
800	50.9	58.5	63.6	66.0	66.9	67.1	67.1	65.9	63.8	59.9	56.6	
1000	55.2	65.1	69.6	70.3	70.8	71.0	72.2	71.0	69.7	65.8	61.5	
1250	64.5	73.7	78.6	79.6	79.3	79.6	80.6	80.2	78.9	76.7	69.6	
1600	58.4	68.0	73.3	74.6	74.3	75.1	75.4	75.1	72.7	70.5	64.5	
2000	58.6	66.7	71.7	74.2	73.5	74.3	74.4	73.9	71.0	68.5	63.5	
2500	58.0	69.5	73.7	75.7	77.1	76.1	77.2	76.6	74.5	72.0	67.6	
3150	55.4	66.3	71.6	73.8	74.9	74.5	75.2	74.6	72.6	70.4	65.6	
4000	54.6	66.6	72.8	74.8	75.8	76.4	75.5	75.9	73.8	71.4	67.9	
5000	51.4	64.9	71.4	73.9	75.4	75.8	75.3	75.7	73.5	70.8	66.6	
6000	48.3	62.8	68.9	71.4	73.2	73.3	73.1	74.0	70.8	68.3	64.9	
8000	43.1	59.5	66.4	69.4	71.6	71.8	71.1	71.5	68.0	66.7	63.4	
10000	35.0	54.6	63.0	66.6	68.3	69.0	69.1	69.2	66.4	64.0	62.0	
OVERALL CALCULATED PND	24.5	48.8	58.4	63.3	65.5	66.4	66.3	66.7	64.1	61.4	58.2	
	70.2	79.2	84.3	85.8	86.6	86.9	87.2	86.9	84.9	82.0	78.6	
	79.0	90.2	90.1	98.2	99.2	99.6	99.4	99.3	97.2	94.8	91.0	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (1.92)	110. (2.10)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
50	41.5	48.2	54.6	57.2	57.3	56.0	57.1	57.5	55.0	55.6	54.7						
63	46.9	55.4	58.3	59.4	61.5	63.0	63.2	61.5	58.3	55.9	55.0						
SIDELINE 500. FT. (152.40 M)	80	47.6	54.9	59.6	61.8	63.2	64.5	65.0	65.1	63.6	61.4	58.5					
NFA 3279. RPM	100	48.6	55.1	59.5	60.3	60.8	61.6	62.8	62.9	61.2	59.5	58.0					
(343. RAD/SEC)	125	44.4	51.9	57.4	59.5	60.5	60.1	58.8	58.5	57.0	55.6	53.4					
NFK 3209. RPM	100	41.1	49.1	54.4	55.9	56.7	57.6	57.9	57.0	54.6	52.1	50.2					
(336. RAD/SEC)	200	39.1	47.3	52.8	55.4	57.2	57.4	56.9	56.1	53.1	51.7	49.7					
NFU 3244. RPM	250	36.7	47.2	54.6	57.8	62.2	63.6	63.2	63.1	61.2	59.9	57.2					
(340. RAD/SEC)	315	36.1	47.1	55.4	60.9	63.4	62.4	63.7	62.9	61.7	60.5	57.3					
AIRFLOW RATIO	400	37.3	49.4	57.0	59.6	59.8	60.1	61.5	61.4	59.0	55.5	51.3					
WF/HR 12.60	500	37.8	47.6	52.8	55.4	57.0	57.5	58.5	58.2	56.1	52.9	48.0					
VEHICLE CONFIG	630	39.9	48.7	54.2	56.5	56.2	59.2	59.5	58.7	56.4	53.4	49.3					
LDC SCHEMECTADY	800	42.0	51.9	57.6	58.5	61.0	61.9	63.2	61.9	60.3	57.4	52.5					
DATE 7/9/75	1000	45.5	57.0	63.8	66.5	67.5	69.2	70.1	68.6	66.5	63.6	58.0					
RUN 35/6	1250	43.3	53.6	61.5	65.2	65.8	67.2	67.9	68.5	64.4	61.1	56.5					
TAPE	1600	37.5	49.3	56.5	60.2	61.6	61.4	61.9	62.0	60.4	58.1	52.9					
FAN TIP SPEED	2000	37.4	50.5	57.8	60.9	63.8	63.6	64.1	63.1	61.1	59.1	54.7					
1010. FT/SEC	2500	33.6	48.2	55.8	59.8	62.7	62.4	62.3	61.6	60.4	57.9	53.7					
OVERALL CALCULATED	3150	29.7	46.8	55.1	59.1	61.5	62.1	61.4	61.7	60.0	57.7	54.2					
PNUM	4000	22.7	42.3	52.6	57.1	59.7	60.2	60.4	60.8	58.2	56.2	52.8					
	5000	16.6	38.8	49.1	54.1	57.0	57.4	57.8	58.2	55.1	53.5	50.7					
	6300	4.5	32.7	44.8	50.3	53.6	54.4	54.9	54.8	53.1	51.0	48.2					
	8000		22.6	37.6	44.2	48.8	49.6	50.5	51.0	48.5	46.5	44.2					
	10600		8.9	26.7	37.6	42.3	44.7	45.8	45.7	43.3	41.1	38.2					
		55.8	64.6	70.7	73.5	75.2	76.0	76.5	75.8	73.6	71.5	68.2					
		59.0	72.2	79.9	83.6	85.9	86.4	86.5	86.3	84.3	82.0	78.4					
	50	52.0	54.0	63.6	65.8	65.7	64.3	65.4	65.7	64.0	63.6	63.0					
	63	57.5	65.5	67.5	68.2	70.1	71.5	71.5	69.9	66.7	64.2	63.4					
SIDELINE 200. FT. (60.96 M)	80	58.6	65.3	64.1	70.8	72.0	73.1	73.5	73.5	72.1	69.9	67.0					
	100	59.9	65.6	64.2	69.5	69.6	70.3	71.4	71.5	69.8	68.1	67.2					
	125	56.0	62.9	67.3	68.8	69.6	69.0	67.6	67.2	65.7	64.3	62.2					
	160	53.0	60.4	64.6	65.5	66.0	66.6	66.8	65.8	63.4	60.9	59.1					
	200	51.3	58.9	63.2	65.1	66.6	66.5	66.0	65.0	62.1	60.0	58.8					
	250	51.3	59.1	65.3	67.7	71.8	72.9	72.4	72.2	70.3	69.0	68.4					
	315	49.1	59.4	66.4	71.1	73.1	71.8	73.1	72.1	70.9	69.7	68.6					
	400	50.6	62.1	68.2	70.0	69.8	69.7	71.0	70.8	68.4	64.9	60.6					
	500	51.8	60.8	64.3	66.1	67.2	67.4	68.2	67.8	65.6	61.5	57.7					
	630	54.4	62.3	66.1	67.5	68.5	69.3	69.3	68.4	66.1	63.2	59.1					
	800	57.2	65.9	69.9	69.8	71.6	72.1	73.2	71.9	70.2	67.3	62.5					
	1000	61.5	71.5	76.4	78.1	78.4	79.7	80.3	78.8	76.6	73.9	68.9					
	1250	60.1	68.8	74.6	77.1	76.9	78.0	78.4	78.8	74.7	71.5	67.0					
	1600	55.6	65.2	70.2	72.5	73.1	72.5	72.7	72.6	71.0	68.7	63.7					
	2000	56.8	67.2	72.0	73.7	75.7	75.0	75.2	74.1	72.0	70.0	65.9					
	2500	54.7	65.8	70.6	73.1	75.0	74.1	73.7	72.8	71.6	69.1	65.1					
	3150	53.3	65.6	70.8	73.0	74.4	74.3	73.3	73.4	71.6	69.4	66.1					
	4000	50.2	63.1	69.6	72.1	73.5	73.3	73.0	73.2	70.5	68.6	65.4					
	5000	46.3	60.8	66.9	69.7	71.3	70.9	70.8	71.0	67.8	66.3	63.7					
	6300	40.9	56.1	64.9	67.6	69.4	69.2	69.1	68.8	66.9	65.0	62.4					
	8000	33.5	53.1	61.3	64.3	66.9	66.7	66.6	66.8	64.1	62.3	60.4					
	10600	23.0	46.6	57.2	61.5	63.6	64.4	64.4	64.0	61.4	59.4	57.0					
OVERALL CALCULATED	69.2	78.3	83.1	85.1	86.2	86.5	86.8	85.9	83.9	81.6	78.2						
PNUM	78.1	89.4	94.8	97.0	98.4	98.4	98.4	97.7	95.7	93.5	90.1						

Run 35/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 19.0																	
		MODEL SOUND PRESSURE LEVELS (99. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ. (U.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																		
	63																		
	80																		
RADIAL 17. FT.	100	73.3	78.8	71.0	70.4	67.6	68.9	71.2	74.0	75.4	75.4	75.8	74.4						107.7
(S. M.)																			
VEHICLE UTRSIM	125	83.0	84.5	81.5	80.1	80.1	79.1	76.9	77.5	77.9	77.4	77.6	78.1						112.5
CONFIG G05	160	82.3	81.3	79.0	80.9	81.1	79.9	77.4	77.8	77.7	75.1	74.8	75.4						111.9
LDC SCHEMECTADY	200	83.1	85.3	86.0	84.4	82.8	83.6	82.7	82.5	80.2	77.3	74.5	73.9						115.3
DATE 7/9/75	250	87.5	86.5	85.5	85.9	84.8	84.9	84.7	85.0	84.2	82.3	80.8	78.1						117.8
RUN 35/7	315	87.1	87.3	86.0	85.6	83.6	82.4	81.7	82.0	81.7	80.1	78.3	78.1						116.8
TAPE	400	84.3	85.0	83.3	83.1	82.6	82.6	79.4	78.3	77.7	75.0	74.0	72.9						113.5
BAR 29.5 HG	500	82.8	82.8	81.8	81.4	79.6	79.4	78.2	77.8	76.2	73.0	71.3	70.1						111.5
199883. N/M2)	630	79.8	81.0	79.6	80.2	79.3	80.4	78.7	77.3	76.0	73.4	72.8	70.9						111.2
TAMB 81. DEG F	600	82.3	82.5	80.1	81.9	83.1	85.6	85.4	82.8	81.7	80.4	81.0	79.4						116.4
(300. DEG K)	1000	81.1	83.8	82.3	83.9	85.1	85.6	83.4	82.6	82.2	79.2	74.8	71.1						117.7
TNET 73. DEG F	1250	83.0	85.0	84.6	80.7	85.8	84.6	83.4	82.6	82.2	79.2	74.8	71.1						116.5
(296. DEG K)	1600	85.4	85.0	83.3	83.0	82.1	82.1	81.1	81.1	79.5	78.0	74.9	69.9						114.2
NACT 17.89 GM/H3	2000	88.1	87.8	85.8	84.5	82.8	82.9	82.1	81.6	79.5	78.0	74.5	71.2						115.2
(.01789 KG/H3)	2500	88.9	90.3	88.8	88.0	85.3	85.8	84.9	83.6	83.1	81.5	78.3	74.4						118.2
NFA 11947. RPM	3150	94.8	94.8	94.5	94.9	94.3	92.8	93.1	92.4	90.1	87.3	84.7	79.9						125.4
(1251. RAD/SEC)	4000	95.8	96.0	93.7	95.4	94.5	91.9	92.7	92.0	89.0	86.5	83.6	78.8						129.2
NFA 11701. RPM	5000	91.2	91.4	89.4	89.3	88.9	87.4	85.1	84.5	84.0	82.2	79.8	75.3						119.8
(1225. RAD/SEC)	6300	92.4	93.5	91.2	91.5	90.1	89.0	87.4	86.9	85.3	83.3	81.0	77.8						121.5
NFD 11517. RPM	8000	91.7	92.3	90.7	90.9	89.7	88.8	87.3	86.5	84.4	82.7	80.4	77.1						121.0
(1206. RAD/SEC)	10000	91.8	92.6	91.0	91.0	89.7	88.2	87.7	85.0	84.8	82.9	80.6	77.8						121.1
NO. OF BLADES 10	12500	91.8	92.1	89.8	90.1	89.0	87.7	86.5	84.8	84.4	82.3	80.3	77.2						120.8
FAN TIP SPEED 16000	16000	86.7	88.9	87.7	87.5	86.4	85.8	84.1	82.5	82.9	79.3	77.7	74.9						118.8
1043. FT/SEC	20000	86.3	88.5	86.6	86.6	85.2	84.7	82.4	82.2	80.8	78.2	76.4	74.3						117.9
	25000	87.1	87.5	84.4	84.7	83.8	82.8	81.1	79.8	79.1	76.2	74.6	73.0						116.8
	31500	84.1	87.1	82.3	82.8	82.4	81.1	79.7	77.9	77.5	74.5	72.5	70.8						116.2
	40000	80.4	82.5	78.5	79.3	78.6	77.2	75.8	73.9	74.8	70.0	68.5	66.2						113.7
	50000	75.4	82.2	74.8	74.9	72.8	71.7	71.8	69.2	69.9	65.0	64.8	61.7						111.9
	63000	69.0	83.3	68.6	69.6	65.5	64.2	64.4	62.8	63.3	59.0	60.4	58.2						111.1
	80000	70.4	83.9	69.3	70.7	66.4	60.9	61.1	60.9	61.5	56.3	60.9	61.8						115.2
OVERALL MEASURED																			
OVERALL CALCULATED		103.2	103.9	102.1	102.5	101.5	100.4	99.7	98.9	97.4	95.3	93.3	90.4						133.2
PNUM		116.8	117.1	115.5	116.0	115.0	113.9	113.9	112.8	111.0	106.7	106.4	102.8						

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM. DAT)											
	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ.	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
	(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0°)	(0°)	(10°)	(10°)	(20°)	(20°)	(30°)	(30°)	(40°)	(40°)	(50°)	(50°)
SIDELINE 500. FT.	50	43.0	49.2	55.4	58.2	58.8	57.5	58.6	59.0	56.5	56.1	56.2
(152.40 M)	63	47.1	55.7	58.5	59.7	62.3	62.5	63.2	61.3	58.0	55.7	54.5
NFA 3365. RPM	80	47.6	54.6	59.6	61.3	63.2	64.3	65.5	65.1	63.4	61.7	58.5
(352. RAD/SEC)	100	47.6	54.6	59.0	59.8	60.5	61.1	62.3	62.4	61.0	59.0	56.3
NFK 3296. RPM	125	44.7	51.4	56.1	58.5	60.5	58.6	58.3	58.2	56.4	54.6	52.9
(345. RAD/SEC)	150	41.6	49.3	53.9	55.2	57.0	57.1	57.6	56.5	54.1	51.0	48.9
NFD 3244. RPM	200	39.1	46.5	52.3	54.6	57.7	57.4	56.9	56.1	53.0	52.7	50.5
(340. RAD/SEC)	250	39.7	46.5	53.6	58.0	62.7	63.9	62.2	61.6	60.4	60.9	58.7
AIRFLOW RATIO	315	40.1	48.1	55.2	59.7	62.4	62.1	63.7	64.1	63.5	62.7	59.9
WF/MH 12.60	400	40.8	49.7	57.5	60.1	61.1	61.3	61.5	61.7	58.8	54.2	50.0
VEHICLE CONFIG	500	39.8	47.8	53.3	55.9	58.3	58.8	59.8	58.7	57.3	53.2	48.5
UTS/SH 605	630	40.9	49.5	54.2	58.3	58.7	59.5	60.0	58.5	57.1	53.4	49.5
LOC SCREEN/CTADY	800	46.5	57.4	64.1	67.3	68.2	70.1	70.4	68.7	66.1	63.4	58.0
DATE 7/9/75	1000	46.2	55.7	64.0	67.0	67.0	69.4	69.8	67.3	65.0	62.0	56.6
RUN 35/7	1250	40.0	50.3	57.2	60.9	61.9	61.4	61.9	61.9	60.4	57.6	52.7
TAPE	1600	39.8	50.9	58.5	61.4	63.7	63.2	63.9	62.9	61.1	58.0	54.6
FAN TIP SPEED	2000	36.3	49.1	57.0	60.3	62.3	62.7	63.0	61.6	60.1	57.6	53.7
1043. FT/SEC	2500	34.0	48.2	56.4	59.8	61.2	62.7	61.2	61.4	60.0	57.7	54.0
6300	3150	29.4	44.9	54.1	58.1	59.9	60.8	60.3	60.7	58.8	56.0	52.7
8000	4000	20.1	40.0	49.6	54.1	56.9	57.4	57.2	58.4	55.0	53.2	49.0
10000	5000	10.3	37.3	47.9	52.3	55.4	55.4	56.7	56.0	53.7	51.7	48.7
OVERALL CALCULATED	6300	4.9	30.2	42.8	48.6	51.6	52.5	52.6	53.0	50.5	48.8	46.1
PNUD	8000	20.4	35.9	43.5	47.0	48.7	48.8	49.4	46.7	44.4	41.0	38.0
	10000	6.0	25.6	34.6	39.1	41.4	41.4	41.7	43.9	39.5	37.7	34.0
	OVERALL CALCULATED	56.1	64.8	71.1	73.9	75.4	76.4	76.8	75.7	73.6	71.6	68.3
	PNUD	59.9	71.9	79.8	83.3	85.1	86.1	85.8	85.5	83.0	81.3	77.0

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Run 35/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 18.0																	
		MODEL SOUND PRESSURE LEVELS (90, DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ. (0.) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0.) (0.) (0.) (0.) (0.) PNL		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
RADIAL 17. FT. (5. M)		100	73.1	81.3	70.5	69.4	66.8	67.6	69.7	71.5	72.9	73.1	73.0	72.9					
VEHICLE	UTWSIM	125	86.0	87.0	84.5	83.4	83.5	82.6	80.2	81.3	81.9	80.1	79.0	80.4				106.0	
CONFIG	605	160	85.3	84.3	82.3	83.4	84.3	82.6	79.9	81.3	81.7	79.1	78.0	79.1				118.1	
LOC	SCHENECTADY	200	81.0	84.8	84.5	83.4	82.6	82.9	81.7	81.5	79.7	76.0	74.0	73.4				114.5	
DATE	7/9/75	250	87.6	86.8	85.8	86.1	85.3	85.1	85.2	85.0	84.7	82.0	80.0	78.0				117.9	
RUN	35/8	315	87.3	86.8	85.5	84.9	83.1	82.1	81.4	81.8	81.2	79.8	78.3	77.0				115.0	
TAPE		400	84.3	85.3	82.0	82.4	82.1	81.4	78.4	77.3	77.9	75.0	74.9	72.9				112.0	
BAR	29.5 PG (99683. N/M2)	500	82.1	81.5	80.3	80.1	78.3	77.4	77.2	77.3	76.2	73.4	71.3	69.0				110.5	
TAMB	81. DEG F (300. DEG K)	600	82.0	82.3	79.8	81.9	82.0	85.6	84.9	82.6	80.5	80.1	81.0	81.4				110.3	
INLET	73. DEG F (296. DEG K)	1000	81.3	82.6	82.3	84.6	85.1	84.9	83.4	84.6	84.7	85.4	83.3	80.0				117.9	
	(296. DEG K)	1250	83.0	84.3	83.6	85.2	85.8	85.4	83.6	83.4	82.2	79.7	76.5	73.4				115.9	
	(1600. RPM)	1600	86.9	86.3	82.6	83.2	82.8	83.6	82.6	81.4	80.8	78.7	74.5	70.9				115.0	
MACT	17.89 CM/M3 (1.01789 KG/M3)	2000	88.4	86.3	85.1	85.0	83.3	84.6	82.6	81.0	79.8	78.0	75.3	71.2				115.7	
NFA	11688. RPM (1224. RAD/SEC)	2500	88.9	86.8	86.8	86.0	85.6	85.1	84.6	84.4	82.8	81.5	79.0	74.9				110.1	
	(3150. RPM)	3150	95.8	94.0	93.3	94.4	92.6	92.8	91.6	90.9	87.8	85.5	83.5	78.7				124.3	
NFK	11448. RPM (1199. RAD/SEC)	4000	97.3	95.7	93.4	95.6	93.7	94.4	92.7	91.5	87.5	85.2	83.1	78.0				129.2	
	(5000. RPM)	5000	91.2	91.2	88.9	89.3	88.2	86.9	84.9	83.7	83.2	81.7	79.1	75.3				119.1	
NFD	11517. RPM (1206. RAD/SEC)	6300	92.1	92.2	89.9	90.5	88.6	88.9	85.6	85.7	84.3	82.5	79.7	76.1				120.3	
	(8000. RPM)	8000	91.8	92.1	89.7	90.1	88.7	88.3	86.1	85.5	84.1	81.9	79.2	76.9				120.2	
NO. OF BLADES	18	12500	91.0	91.4	89.5	90.3	88.2	86.9	87.0	84.5	85.1	81.0	79.3	76.6				120.2	
FAN TIP SPEED	1020. FT/SEC	16000	91.1	90.6	88.4	88.8	88.3	86.7	85.7	83.8	83.6	81.1	78.0	75.9				119.5	
	(2000. FT/SEC)	20000	88.5	87.9	86.5	86.5	85.9	84.8	82.6	82.0	80.9	78.0	76.0	73.9				117.5	
		25000	87.5	87.0	85.3	85.0	84.4	83.7	81.4	81.2	80.0	76.5	74.7	73.3				116.9	
		31500	86.0	85.0	82.9	84.2	83.1	81.6	79.8	78.6	77.3	75.0	72.0	72.5				115.0	
		40000	83.9	83.3	81.3	82.1	81.4	80.1	77.7	77.2	76.3	72.7	70.7	69.3				114.0	
		50000	79.1	79.0	77.7	78.1	78.1	75.4	74.8	72.9	73.5	69.3	66.9	65.2				112.4	
		63000	74.4	75.2	73.3	73.9	71.8	70.7	70.8	68.5	69.4	63.5	63.0	61.0				109.0	
		80000	69.0	69.3	67.6	68.8	64.5	63.5	63.9	62.0	63.3	58.5	59.9	58.0				106.0	
OVERALL MEASURED			70.4	70.1	69.3	70.7	60.2	60.9	61.1	60.9	66.2	58.3	60.9	61.4				110.9	
OVERALL CALCULATED			103.7	103.2	101.3	102.1	100.7	100.6	99.1	98.4	96.6	94.8	92.9	90.7				132.0	
			PNLs	117.5	116.8	114.7	116.0	114.4	114.7	113.1	112.3	109.9	107.9	105.8	102.2				

Run 35/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 11 PM 1969

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 130. 0. 0. 0. 0. 0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 130. 0. 0. 0. 0. 0.															
SIDELINE 500. FT.	50	46.8	52.4	57.9	61.4	61.5	60.0	62.1	63.0	60.5	59.8	60.0					
(152.40 M)	63	46.0	54.2	57.5	59.4	61.5	61.5	62.2	63.8	58.1	59.9	54.0					
NFA 3292. RPM	80	47.8	54.9	59.8	61.8	63.5	64.8	65.5	65.8	63.8	61.7	59.0					
(345. RAD/SEC)	100	47.1	54.1	58.2	59.3	60.3	60.8	62.0	61.9	60.7	59.0	57.8					
NFA 3224. RPM	125	44.9	50.9	55.4	58.0	59.3	57.4	57.3	58.5	58.3	53.8	52.0					
(338. RAD/SEC)	150	40.4	47.8	52.7	53.9	55.0	56.1	57.1	56.5	53.8	51.8	49.4					
NFA 3244. RPM	200	38.1	45.5	51.1	53.9	56.0	56.4	56.2	55.1	53.9	52.9	51.0					
(340. RAD/SEC)	250	39.5	46.2	53.6	57.5	62.7	63.4	62.0	60.3	60.2	61.7	60.7					
AIRFLOW RATIO	315	39.1	48.1	55.9	59.7	61.7	61.6	63.7	64.4	65.2	63.0	59.8					
WF/W 12.60	400	39.6	48.7	56.0	60.1	61.8	61.6	62.2	61.7	59.3	58.0	52.3					
VEHICLE UTSIM	500	40.0	47.0	53.5	56.7	59.8	60.3	60.0	60.0	58.1	57.7	49.5					
CONFIG G05	630	41.4	48.7	54.7	58.8	60.4	60.0	60.0	58.7	57.1	54.2	49.5					
LGC SCHENECTADY	800	41.5	51.6	57.1	58.5	60.5	61.0	62.4	61.4	60.3	57.8	53.0					
DATE 7/9/75	1000	44.8	55.2	63.0	65.0	67.8	68.2	68.6	66.1	64.0	61.8	58.4					
RUN 35/8	1250	44.3	54.4	63.5	65.7	69.0	69.0	68.9	65.5	63.4	61.1	58.0					
TAPE	1500	37.5	48.5	56.3	59.4	60.8	60.6	60.8	60.7	59.4	58.0	52.2					
FAN TIP SPEED	2000	36.1	48.2	56.5	59.2	62.3	60.8	62.1	61.4	59.8	58.8	52.9					
1020. FT/SEC	2500	33.4	46.7	55.3	58.6	61.2	60.9	61.5	60.8	58.9	55.9	52.9					
OVERALL CALCULATED	3150	28.5	44.5	54.1	57.1	59.0	61.1	59.9	61.2	58.0	55.4	52.0					
PNDB	4000	21.4	40.3	50.6	55.8	57.4	58.7	58.1	58.8	56.5	53.9	50.3					
	5000	15.3	36.8	47.3	52.6	55.0	55.2	56.0	55.7	53.1	50.8	47.9					
	6300	J.7	30.5	43.0	48.5	51.9	52.2	53.6	54.1	50.1	48.0	45.7					
	8000		20.1	30.4	43.2	46.6	47.8	48.5	48.3	46.3	43.5	42.4					
	10000		7.4	26.9	36.1	40.6	41.9	43.7	44.0	40.8	38.4	35.7					
	OVERALL CALCULATED	55.9	64.0	70.6	73.1	75.5	75.7	76.1	75.1	73.5	71.5	68.7					
	PNDB	56.4	70.8	79.3	82.5	85.1	85.6	85.8	85.5	83.1	80.6	77.2					

SIDELINE 200. FT.	50	57.2	62.2	66.9	70.1	69.9	68.3	70.4	71.2	68.7	66.1	68.2					
(60.96 M)	63	57.3	64.3	68.7	68.2	70.1	70.0	70.5	69.1	68.4	64.2	62.4					
	80	58.8	65.3	69.3	70.8	72.2	73.4	74.0	74.0	72.1	70.1	67.5					
	100	56.4	64.8	67.9	68.5	69.1	69.5	70.7	70.5	69.3	67.8	66.5					
	125	56.5	61.9	65.3	67.3	68.3	68.2	66.1	67.2	65.0	62.3	61.4					
	150	52.3	59.1	62.9	63.5	64.2	65.1	66.0	65.3	62.7	60.4	58.3					
	200	50.3	57.1	61.5	63.6	65.4	65.5	65.2	64.0	62.8	61.9	60.0					
	250	52.1	58.1	64.3	67.5	72.3	72.7	71.1	69.5	69.3	70.8	69.9					
	315	52.1	60.4	68.9	69.9	71.4	71.1	73.1	73.6	74.4	72.2	69.1					
	400	53.1	61.4	67.2	70.5	71.8	71.2	71.7	71.1	68.7	65.4	61.8					
	500	54.5	60.1	65.1	67.4	69.9	70.1	69.7	69.5	67.0	63.3	59.2					
	630	55.9	62.3	68.8	67.7	70.8	70.8	69.8	68.4	66.8	63.9	59.4					
	800	56.7	65.6	69.4	69.8	71.1	71.9	72.5	71.4	70.4	67.8	63.0					
	1000	60.8	69.7	75.8	76.6	78.7	78.7	78.8	76.2	74.1	71.9	68.8					
	1250	61.1	69.5	76.6	77.6	80.2	79.7	79.4	75.8	73.7	71.5	68.5					
	1500	55.6	64.4	69.9	71.7	72.4	71.7	71.4	71.4	70.0	67.2	63.0					
	2000	55.5	65.0	70.7	71.9	74.2	72.3	73.2	72.3	70.7	67.8	63.6					
	2500	54.4	64.3	70.1	71.8	73.5	72.6	73.0	72.1	70.1	67.1	64.3					
	3150	52.1	63.4	69.8	71.0	71.9	73.3	71.8	72.9	69.8	67.1	63.9					
	4000	49.0	61.1	67.7	70.6	71.2	71.8	70.8	71.2	68.8	66.3	62.9					
	5000	45.1	58.8	65.1	68.0	69.3	68.7	69.1	68.5	65.8	63.6	61.0					
	6300	46.1	55.8	63.2	65.9	67.7	67.0	67.9	68.0	63.9	62.0	59.9					
	8000	32.0	50.6	60.0	63.4	64.7	64.6	64.0	61.9	59.3	54.8						
	10000	21.8	45.1	55.5	60.1	61.9	61.7	62.4	62.3	58.9	56.7	54.5					
	OVERALL CALCULATED	69.4	77.4	82.9	84.5	86.3	86.1	86.2	85.1	83.3	81.2	78.3					
	PNDB	77.9	87.8	94.0	95.7	97.3	97.4	97.0	96.9	94.4	92.8	88.8					

Run 35/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE = MONTH 7 DAY 21 HR. 10.0

MODEL SOUND PRESSURE LEVELS (90 DEG. F., 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. (U.)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°	6°	PM
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
RADIAL 17. FT. (5. M)	100	71.6	71.5	70.3	68.1	66.3	67.1	68.9	71.0	72.2	72.9	73.1	72.3						106.9
VEHICLE UTMSH	125	85.1	85.5	83.3	81.8	82.1	81.6	78.4	79.8	79.7	78.5	78.3	79.4						114.2
CONFIG COS	160	84.0	83.3	81.6	82.6	83.8	82.1	79.2	80.8	80.4	78.4	77.6	78.0						114.4
LOC SCHENECTADY	200	82.8	85.0	85.8	84.1	83.3	83.9	82.4	83.0	80.7	77.8	75.8	74.9						115.6
GATE 7/9/75	250	86.5	85.0	84.6	84.6	83.8	83.6	83.7	84.0	83.7	81.6	79.8	77.8						115.7
RUN 35/10	315	86.0	85.5	84.8	83.8	82.3	80.9	80.2	81.0	79.7	78.8	76.8	76.0						114.0
TAPE	400	81.0	80.8	79.6	79.1	79.1	77.9	77.2	76.0	74.4	73.4	72.0	71.9						110.2
BAR 29.5 HG (99683. N/M2)	500	78.6	78.3	78.1	77.3	75.8	75.4	75.7	76.1	75.4	73.6	71.8	69.9						108.8
TAMB 80. DEG F (300. DEG K)	600	82.6	81.0	79.9	78.3	78.6	78.1	77.2	77.3	75.5	74.1	72.8	71.1						110.5
TNET 74. DEG F (296. DEG K)	1000	81.6	81.3	83.6	85.1	86.3	86.6	85.9	82.6	82.7	80.6	77.5	74.6						117.4
(1296. DEG K)	1250	84.3	83.6	84.9	84.9	85.6	85.9	86.1	85.4	85.0	81.7	77.3	73.1						117.8
MACT 19.14 GM/M3 (1.01914 KG/M3)	2000	88.0	87.1	85.4	85.1	83.3	85.9	82.4	81.6	79.5	77.5	74.5	71.7						115.8
NFA 12162. KPH (11273. MACH/SEC)	2500	87.9	86.8	80.6	87.1	85.1	84.3	83.6	82.4	80.8	79.5	78.5	72.7						117.0
NFK 11923. KPH (1248. MACH/SEC)	3150	92.8	91.3	90.3	90.9	88.8	87.3	86.6	85.9	85.3	82.0	80.0	75.7						120.2
NFL 11517. KPH (1206. MACH/SEC)	4000	95.0	94.0	90.5	93.3	90.7	88.9	89.7	86.5	89.2	83.4	83.1	78.1						122.8
NO. OF BLADES 18	5000	89.0	89.4	87.6	86.5	85.7	85.1	82.9	82.7	81.4	79.7	77.1	73.0						117.3
FAN TIP SPEED 1062. FT/SEC	6300	89.9	88.7	87.4	87.7	85.6	86.1	82.6	81.7	81.5	78.5	76.5	73.2						117.3
	8000	88.9	89.1	87.5	86.8	85.7	85.3	84.6	81.5	80.6	78.7	76.4	73.4						117.3
	10000	88.6	88.8	87.1	86.7	85.7	84.2	83.7	81.5	80.8	78.4	76.3	73.1						117.1
	12500	88.5	88.1	86.4	86.2	85.5	84.4	82.7	80.5	80.4	77.5	75.8	72.4						116.9
	16000	86.2	85.2	84.2	84.4	83.1	82.0	79.9	78.7	78.1	75.2	73.4	70.4						114.8
	20000	84.0	84.2	82.8	82.7	81.4	80.2	78.3	77.9	76.2	73.7	71.9	69.5						110.7
	25000	83.9	82.2	80.4	80.3	80.4	78.5	77.0	75.2	74.1	71.9	70.0	68.5						112.9
	31500	80.5	80.7	78.5	78.9	78.6	76.9	75.4	73.6	73.2	69.8	68.1	66.4						111.8
	40000	76.4	76.8	74.9	75.1	74.1	73.2	71.9	70.2	70.3	65.9	64.7	62.3						109.4
	50000	71.6	72.4	70.1	70.6	69.3	68.2	67.5	65.5	66.1	61.3	61.8	59.0						108.7
	63000	66.6	66.5	63.1	62.9	62.1	61.4	61.6	60.7	61.2	57.4	59.3	58.1						103.6
	80000	69.9	69.6	69.1	69.9	69.7	68.4	68.6	68.4	61.0	57.8	60.3	63.1						107.8
OVERALL MEASURED																			
OVERALL CALCULATED		101.7	101.1	99.6	99.8	98.7	98.1	97.2	96.3	95.6	92.8	90.9	88.7						
PNUB		115.7	115.0	112.7	113.9	112.2	111.2	110.2	110.0	109.8	105.9	104.6	100.9						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	45.8	51.7	57.1	60.9	61.0	59.2	61.6	61.7	59.8	58.8	59.5						
(152.40 M)	63	47.0	55.5	58.2	60.2	62.5	62.3	63.7	61.8	59.1	58.9	55.5						
NFA 3426. RPM	80	46.1	53.7	58.5	60.3	62.0	63.3	64.5	64.6	62.0	60.7	58.3						
(359. RAD/SEC)	100	46.9	53.4	57.2	58.5	59.0	59.8	61.3	60.4	59.7	57.5	56.8						
NFK 3358. RPM	125	40.4	47.7	52.0	55.0	55.8	56.4	58.1	55.0	54.0	52.0	51.9						
(352. RAD/SEC)	150	37.2	45.6	49.9	51.4	53.0	54.0	55.9	55.7	54.1	51.3	49.7						
NFD 3244. RPM	200	39.1	46.8	51.0	53.9	55.5	55.9	58.9	55.6	54.4	52.9	50.7						
(340. RAD/SEC)	250	39.7	47.5	54.3	58.8	61.7	62.1	62.0	60.1	58.9	58.2	58.2						
AIRFLOW RATIO	315	37.6	49.4	56.4	60.9	63.4	64.1	63.7	62.4	60.5	57.2	53.0						
(340. RAD/SEC)	400	39.1	50.0	55.7	59.8	62.3	64.1	64.2	64.4	61.3	56.7	52.0						
WF/HR 12.60	500	40.6	47.3	53.5	55.7	59.6	60.5	60.0	59.0	57.3	54.0	49.5						
VEHICLE CONFIG	630	40.1	49.0	56.9	58.8	61.7	59.7	60.0	58.5	56.6	53.4	50.0						
UTHS/M	800	43.0	53.2	60.1	61.8	62.7	63.6	63.9	63.9	60.9	50.6	53.7						
GOS	1000	44.2	52.5	61.9	63.2	64.0	66.4	66.3	67.6	61.6	51.5	55.8						
LOC SCHENECTADY	1250	38.0	48.6	54.4	58.6	59.7	59.2	60.1	59.4	57.9	55.1	50.4						
DATE 7/9/75	1600	35.1	47.2	54.7	56.9	60.2	58.7	58.6	59.1	56.6	54.1	50.5						
RUN 35/10	2000	33.1	45.9	52.9	56.3	58.8	59.9	58.0	57.8	56.1	53.5	49.9						
TAPE	2500	30.3	44.3	52.1	55.7	57.2	58.7	57.7	57.3	55.5	53.2	49.3						
FAN TIP SPEED	3150	25.4	41.6	50.3	54.6	56.6	57.0	56.1	56.6	54.1	52.1	48.0						
1052. FT/SEC	4000	18.3	38.5	48.5	50.8	53.1	53.2	53.5	53.6	51.0	48.9	45.1						
OVERALL CALCULATED	5000	12.0	33.6	44.0	48.5	50.9	51.3	52.4	51.5	49.2	47.2	43.9						
PNUB	6300		26.2	38.4	44.7	47.3	48.4	48.3	48.2	46.1	44.0	41.5						
	8000		16.6	32.0	39.6	42.6	44.3	44.4	45.1	42.1	40.0	37.2						
	10000		2.3	21.3	30.2	35.1	37.4	38.1	39.4	35.3	33.8	30.1						
	OVERALL CALCULATED	55.0	63.2	69.1	71.7	73.5	74.2	74.5	74.3	71.7	69.6	66.9						
	PNUB	57.4	68.9	76.6	80.1	82.3	83.0	82.7	82.6	80.1	77.8	74.1						

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	50	56.2	61.5	66.1	69.6	69.4	67.6	69.9	69.9	68.0	67.1	67.7						
SIDELINE 200. FT.	63	58.3	65.6	67.4	68.9	71.1	70.7	72.0	70.1	67.4	65.2	63.9						
(60.96 M)	80	57.1	64.1	68.0	69.3	70.7	71.9	73.0	73.0	71.1	69.1	68.0						
	100	58.2	64.1	66.8	67.7	67.9	68.3	69.9	69.0	68.3	68.1	65.5						
	125	52.0	58.7	62.0	64.3	64.8	65.2	64.6	63.7	62.7	61.3	60.7						
	150	49.0	56.9	60.0	61.0	62.2	63.6	64.6	64.6	62.9	60.2	58.6						
	200	51.3	58.4	61.4	63.6	64.9	65.0	66.0	64.5	63.3	61.9	59.8						
	250	52.3	59.4	65.0	68.7	71.3	71.4	71.1	69.2	68.0	67.3	65.4						
	315	50.0	61.7	67.3	71.1	73.1	73.6	73.1	71.6	69.7	68.5	63.1						
	400	52.0	62.7	68.9	70.2	72.3	73.7	73.7	73.8	70.7	68.1	61.5						
	500	54.5	60.4	65.0	66.4	69.9	70.4	69.7	68.5	66.9	63.5	59.2						
	630	54.7	62.6	68.8	67.7	72.0	69.8	69.8	68.2	66.3	63.2	59.9						
	800	58.2	67.2	72.3	73.0	73.3	73.9	74.0	73.9	70.8	68.5	63.8						
	1000	60.2	67.0	74.5	74.8	74.9	76.9	76.6	77.7	71.9	71.0	68.1						
	1250	54.9	63.8	67.5	70.5	70.9	69.9	70.6	69.8	68.2	65.4	60.9						
	1600	53.1	63.1	68.3	69.3	71.7	69.6	69.4	69.8	67.2	64.7	61.3						
	2000	52.5	62.6	67.2	69.1	70.7	71.3	69.2	68.8	67.0	64.6	61.0						
	2500	51.3	61.8	66.8	69.0	69.5	70.4	69.1	68.9	66.6	64.4	60.7						
	3150	49.0	60.5	68.0	68.5	69.5	69.3	68.0	68.4	65.7	63.6	59.9						
	4000	43.8	57.3	63.8	65.8	66.9	66.2	66.1	66.0	63.3	61.3	57.7						
	5000	41.8	55.0	61.8	64.1	65.2	64.8	65.4	64.3	61.9	59.9	57.0						
	6300	38.0	51.5	58.5	62.1	63.1	63.2	62.6	62.2	60.0	57.9	55.6						
	8000	28.7	47.1	55.6	59.8	60.9	61.2	60.6	60.8	57.7	55.7	53.4						
	10000	16.6	40.1	49.9	54.2	56.4	57.1	56.8	57.7	53.4	52.0	48.9						
OVERALL CALCULATED	68.0	76.0	80.9	82.6	83.9	84.3	84.2	84.0	81.2	79.2	76.2	70.3						
PNUB	75.4	85.7	91.0	93.3	94.6	94.6	94.0	93.8	91.3	89.1	85.0	80.0						

Run 35/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 MM. 1961																
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAT)																		
ANGLES FROM INLET IN DEGREES (AND RADIANs)																		
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL 17. FT.	50																	
(5. M)	63																	
VEHICLE UTWSIM	100	72.0	72.3	71.0	69.6	67.3	66.1	69.9	72.0	73.4	73.9	74.1	73.1					105.1
CONFIG G05	125	85.3	85.5	83.8	82.4	82.1	81.4	79.2	79.3	79.9	79.4	78.8	79.6					114.4
LOC SCHENECTADY	160	84.1	82.0	80.5	82.6	82.6	81.6	78.7	79.5	79.4	78.9	78.6	77.4					113.9
DATE 7/9/75	200	82.1	84.0	84.5	83.6	82.1	82.9	81.4	81.3	79.4	76.6	74.3	73.4					114.4
RUN 35/11	250	88.8	87.8	86.8	87.1	86.3	85.9	86.2	85.8	85.4	83.8	81.8	79.8					118.8
TAPE	315	88.3	88.0	86.8	86.6	84.6	83.6	82.7	82.8	82.7	81.1	79.5	78.6					118.9
BAR 29.5 MG	400	84.6	84.8	83.5	83.6	82.6	82.9	80.7	78.5	77.7	75.9	74.5	72.9					113.8
(99683. N/M2)	500	83.1	83.8	83.1	83.1	81.6	80.9	79.9	78.6	77.2	75.1	72.3	71.1					112.9
TAMB 61. DEG F	630	81.3	82.8	83.6	83.9	83.3	82.9	80.9	79.8	78.2	75.8	75.1	73.4					114.1
(300. DEG K)	800	84.1	83.8	82.1	82.9	84.1	84.9	84.2	83.8	83.7	82.4	81.3	78.1					116.8
THEY 74. DEG F	1000	81.3	80.8	82.3	84.4	86.3	86.9	85.6	85.1	84.5	82.9	82.3	79.1					118.1
(296. DEG K)	1250	83.1	82.6	84.6	86.4	85.6	84.1	83.6	82.9	81.2	78.9	74.5	71.1					116.2
MACT 18.84 GM/H3	1600	85.4	85.6	84.6	84.0	82.1	82.1	81.4	80.1	79.5	77.5	74.0	70.2					114.3
(.01084 KG/H3)	2000	88.4	87.8	86.1	85.2	83.8	83.6	82.6	82.4	80.8	79.3	75.5	71.9					115.9
NFA 11088. RPM	2500	90.8	90.8	89.3	89.0	86.6	86.3	85.6	85.1	83.3	81.5	78.5	74.2					118.9
(1224. RAD/SEC)	3150	95.8	95.6	95.5	96.4	94.1	94.5	93.3	92.1	90.8	88.9	86.0	81.2					126.1
NFR 11448. RPM	4000	95.5	95.7	94.4	94.8	93.7	93.2	92.2	91.3	89.7	87.2	84.0	80.1					125.1
(1199. RAD/SEC)	5000	92.0	91.9	90.4	90.8	89.2	87.6	86.6	85.7	85.2	82.5	80.6	78.0					120.4
NFU 11517. RPM	6300	93.4	94.0	92.7	92.2	90.9	90.6	88.1	86.2	86.0	84.0	81.7	79.1					122.4
(1206. RAD/SEC)	8000	92.2	93.1	91.7	91.4	90.4	90.0	87.8	87.0	85.1	83.4	81.7	78.4					121.8
NO. OF BLADES 18	10000	92.0	93.4	91.8	92.3	90.4	88.9	88.2	86.0	85.8	84.1	81.6	78.8					122.0
FAN TIP SPEED 1020. FT/SEC	12500	92.8	92.9	91.1	91.1	89.8	88.4	87.5	85.8	85.4	82.8	80.3	78.1					121.5
	16000	89.9	89.9	86.7	89.0	87.4	86.8	84.8	83.5	83.4	80.3	78.0	76.1					119.3
	20000	86.0	86.9	87.8	87.8	86.6	85.9	84.1	83.2	81.5	78.4	76.9	75.7					119.0
	25000	87.3	87.2	85.4	85.9	85.3	83.8	82.5	80.5	79.5	77.2	74.8	74.5					117.8
	31500	85.5	85.0	83.5	84.2	83.6	82.2	80.7	79.4	78.5	74.9	73.2	71.7					117.0
	40000	80.8	81.3	79.9	80.0	79.7	78.0	76.7	75.3	75.4	70.4	69.3	67.6					114.4
	50000	75.7	76.7	75.6	75.8	74.4	72.0	72.8	70.3	71.2	65.4	65.4	62.6					111.8
	63000	68.8	69.1	68.9	68.8	66.2	65.0	65.4	63.1	63.6	58.8	59.9	58.0					107.1
	80000	70.1	69.8	69.0	70.4	60.6	60.6	60.8	60.6	61.2	58.0	60.5	65.5					110.5
OVERALL MEASURED																		
OVERALL CALCULATED	104.0	104.1	103.0	103.3	101.9	101.5	100.2	99.3	98.2	96.0	94.0	91.2						133.8
PNDW	117.0	117.1	116.4	119.9	115.2	115.1	113.9	113.0	111.8	109.4	107.3	103.5						

Run 35/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 MR. 1961

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										0.	0.	0.	0.	0.	
		10.	20.	30.	40.	50.	60.	70.	80.	90.	100.						110.
	50	44.5	50.7	57.1	59.7	60.5	58.7	60.4	60.7	58.3	57.8	58.2					
	63	45.9	54.2	57.8	58.9	61.5	61.3	61.9	60.5	57.8	55.4	54.0					
SIDELINE 500. FT.	80	46.8	55.9	60.8	62.8	64.2	65.8	66.2	66.3	64.0	62.7	60.0					
(152.40 M)	100	48.4	55.4	60.0	60.8	61.8	62.1	63.0	63.4	62.0	60.2	58.8					
NFA 3292. RPM	125	44.4	51.6	56.6	58.5	60.6	59.9	58.0	58.2	56.5	55.1	52.9					
(345. RAD/SEC)	160	42.6	50.6	55.7	57.2	58.5	58.9	58.4	57.5	55.0	52.0	50.9					
NFK 3224. RPM	200	40.8	50.5	56.1	58.6	60.2	59.6	59.4	58.3	55.9	55.2	53.0					
(338. RAD/SEC)	250	41.0	48.5	54.6	59.0	62.0	62.6	63.2	63.6	62.4	61.2	57.5					
NFU 3244. RPM	315	37.1	48.1	55.7	60.9	63.7	63.9	64.2	64.1	62.7	62.0	58.3					
(340. RAD/SEC)	400	37.8	49.7	57.2	59.8	60.6	61.6	61.7	60.7	58.5	54.0	50.0					
AIRFLOW RATIO	500	39.8	49.0	54.3	55.9	58.3	59.0	58.8	58.7	56.8	53.2	48.8					
WF/WH 12.60	630	40.9	49.7	55.0	57.3	59.4	60.0	60.7	59.7	58.4	54.4	50.3					
	800	42.5	52.1	58.1	59.5	61.7	62.0	63.2	61.9	60.3	57.1	52.2					
VEHICLE UTHSIN	1000	45.8	57.5	65.0	66.5	69.5	70.0	69.8	69.1	66.5	64.3	58.9					
CONFIG GOS	1250	44.3	55.4	62.5	65.7	67.8	68.5	68.7	67.7	65.4	62.6	57.5					
LOC SCHENECTADY	1600	36.3	50.0	57.8	60.4	61.6	62.4	62.6	62.7	60.2	58.1	52.9					
DATE 7/9/75	2000	37.9	51.0	58.3	61.4	64.0	63.3	64.6	63.1	61.3	58.6	55.5					
RUN 35/11	2500	34.4	48.7	56.0	60.3	62.9	62.6	63.0	61.8	60.4	58.4	54.4					
TAPE	3150	30.5	46.8	54.1	59.3	61.0	62.3	61.4	61.9	60.5	57.7	54.2					
FAN TIP SPEED	4000	23.7	43.1	52.9	57.1	59.2	60.4	60.1	60.5	58.2	55.9	52.5					
1020. FT/SEC	5000	17.3	39.0	49.8	54.1	57.0	57.2	57.5	56.2	55.3	52.8	50.1					
	6300	5.7	32.9	45.3	50.7	54.1	54.9	55.6	54.6	52.0	50.2	48.1					
	8000		22.5	38.1	45.4	48.8	50.5	50.4	50.5	48.5	45.7	44.4					
	10000		9.6	29.1	38.3	42.8	44.9	45.8	46.2	43.0	40.9	38.2					
OVERALL CALCULATED		56.2	65.2	71.6	74.0	76.2	76.6	76.9	76.4	74.4	72.2	68.9					
PNUB		59.9	72.8	80.8	84.0	86.4	86.9	86.9	86.6	84.7	82.2	78.6					

	50	55.0	60.5	66.1	68.3	68.9	67.1	68.6	68.9	66.5	66.1	66.5					
	63	56.5	64.3	67.0	67.7	70.1	69.7	70.3	68.9	66.2	63.7	62.4					
SIDELINE 200. FT.	80	59.6	66.3	70.3	71.8	73.0	74.4	74.7	74.8	73.1	71.1	68.5					
(60.96 M)	100	59.7	66.1	69.7	70.0	70.6	70.8	71.7	72.0	70.5	68.8	67.5					
	125	56.6	62.6	66.5	67.8	69.8	68.7	67.3	66.9	65.2	63.6	61.7					
	160	54.5	61.9	65.9	66.7	67.7	67.9	67.3	66.3	64.4	61.4	59.8					
	200	53.1	62.1	66.5	68.4	69.6	68.8	68.5	67.3	64.8	64.1	62.0					
	250	53.6	60.4	65.3	69.0	71.5	71.9	72.4	72.7	71.5	70.3	66.7					
	315	50.1	60.4	66.6	71.1	73.4	73.3	73.6	73.4	71.9	71.2	67.6					
	400	51.3	62.4	68.5	70.2	70.5	71.2	71.2	70.1	67.9	63.4	59.5					
	500	53.8	62.1	65.8	66.6	68.4	68.9	68.4	68.3	66.4	62.8	58.5					
	630	55.4	63.3	66.9	68.2	69.8	70.0	70.6	69.4	68.1	64.2	60.1					
	800	57.7	66.1	70.4	70.8	72.4	72.9	73.2	71.9	70.2	67.1	62.3					
	1000	61.8	72.0	77.6	78.1	80.4	80.5	80.1	79.2	76.0	74.4	69.1					
	1250	61.1	70.5	75.6	77.6	78.9	79.2	79.2	78.1	75.7	73.0	68.0					
	1600	56.3	65.9	71.4	72.7	73.1	73.5	73.4	73.4	70.8	68.7	63.7					
	2000	57.3	67.7	72.5	74.2	76.0	74.8	75.7	74.1	72.2	69.6	66.6					
	2500	55.4	66.3	71.4	73.6	75.2	74.4	74.5	73.1	71.6	69.6	65.6					
	3150	54.1	65.6	71.8	73.3	73.9	74.6	73.3	73.6	72.1	69.4	66.1					
	4000	51.2	63.9	69.9	72.1	72.9	73.5	72.8	72.9	70.3	68.3	65.1					
	5000	47.1	61.0	67.6	69.0	71.3	70.7	70.6	71.0	68.0	65.0	63.2					
	6300	42.1	58.3	65.4	68.1	69.9	69.7	69.9	68.0	65.9	64.2	62.4					
	8000	34.2	53.1	61.7	65.6	66.9	67.4	68.6	66.2	64.1	61.3	60.5					
OVERALL CALCULATED		23.5	47.3	57.7	62.2	64.1	64.6	64.6	64.4	61.1	59.1	56.9					
PNUB		69.9	76.9	84.6	85.5	87.1	87.1	87.1	86.5	84.4	82.2	78.6					

Run 35/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 MR. 1971													
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAT)															
ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ. (0.) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0.) (0.) (0.) (0.) (0.) PNL															
RADIAL 17. FT. (5. M)															
VEHICLE	UTMSIM	125	85.1	74.3	82.3	81.1	81.1	80.1	78.2	78.3	79.2	78.8	78.8	78.9	105.9
CONFIG	GOS	160	83.3	81.8	80.0	82.4	82.3	81.1	78.2	79.0	78.9	78.9	78.3	78.9	113.4
LOC	SCHENECTADY	200	80.6	82.8	82.8	82.4	80.8	81.9	80.2	80.0	77.9	75.8	73.8	72.9	113.0
DATE	7/9/75	250	88.8	87.3	86.3	86.9	85.8	85.6	85.2	85.5	85.4	83.1	81.8	78.8	113.1
RUN	35/12	315	87.6	87.3	85.8	86.1	83.8	82.6	81.7	82.5	81.9	80.3	78.3	77.9	118.3
TAPE		400	83.8	84.0	83.0	84.4	82.8	82.4	79.9	78.5	78.9	75.6	74.5	73.1	118.0
GAR	29.5 MG	500	82.8	83.0	83.1	83.1	81.6	80.4	79.7	79.3	77.2	75.1	72.8	71.4	113.0
	(99683. N/M2)	630	81.1	82.3	83.8	84.7	82.8	82.6	80.9	81.1	77.7	76.9	75.8	74.8	112.9
TAMB	80. DEG F	800	83.8	83.0	83.1	83.1	85.1	86.1	85.4	85.6	86.0	84.1	82.8	79.9	114.3
	(300. DEG K)	1000	80.8	79.8	82.3	84.8	87.1	86.4	85.1	84.6	83.7	80.4	78.3	74.8	118.3
FRET	74. DEG F	1250	82.3	82.1	84.1	86.7	88.3	84.6	82.1	81.9	80.5	75.9	77.3	74.9	117.4
	(296. DEG K)	1600	84.9	84.8	83.8	84.0	82.1	83.1	81.1	80.1	79.5	77.5	73.3	68.9	116.2
MACT	19.14 GM/H3	2000	88.9	87.8	85.3	85.0	83.8	83.4	83.4	81.6	80.0	78.0	75.3	71.7	114.3
	(.01914 KG/M3)	2500	90.4	90.8	86.8	88.5	86.3	86.5	85.4	84.8	83.3	81.8	78.3	74.2	115.7
NFA	11444. RPM	3150	97.8	95.8	96.8	98.2	94.6	94.0	92.1	91.9	90.8	89.8	87.0	82.4	118.7
	(1198. RAD/SEC)	4000	94.8	93.7	92.7	94.4	91.5	90.7	89.0	88.8	87.7	86.0	83.1	78.3	126.8
NFK	11219. RPM	5000	91.5	91.4	90.3	90.8	88.9	87.6	86.4	85.5	84.4	82.7	80.0	75.5	123.2
	(1175. RAD/SEC)	6300	93.6	93.5	92.6	92.5	90.9	90.8	87.8	87.4	86.3	84.0	82.5	78.3	120.2
NFD	11517. RPM	8000	91.2	92.8	91.2	91.9	89.7	89.5	86.8	85.8	84.9	82.9	80.7	77.4	122.3
	(1206. RAD/SEC)	10000	92.8	93.1	91.8	92.3	90.4	89.2	87.7	86.0	85.8	83.8	81.8	79.1	121.1
NO. OF BLADES	18	12500	92.0	92.1	90.9	91.1	89.3	88.6	87.0	85.8	85.4	83.0	80.5	78.4	121.9
FAN TIP SPEED	16000	20000	88.8	86.2	87.5	87.6	86.6	85.7	83.3	82.7	81.5	79.7	76.6	75.7	121.3
	399. FT/SEC	25000	87.2	86.7	85.1	85.9	84.2	83.8	82.0	80.7	79.5	77.7	74.5	74.2	119.8
		31500	85.2	85.0	82.7	83.7	82.6	82.2	79.9	79.1	78.4	75.1	73.4	71.4	117.5
		40000	80.7	80.3	80.1	79.6	79.1	77.5	76.4	74.7	75.3	70.8	69.2	66.8	116.0
		50000	75.1	75.9	75.0	75.4	73.3	72.0	72.0	70.0	71.1	65.5	65.3	62.8	114.1
		63000	68.6	68.7	68.5	68.9	65.1	64.1	64.8	62.9	64.0	58.9	60.0	58.6	111.1
		80000	69.9	69.6	68.8	70.2	59.9	60.4	60.6	60.4	61.0	57.8	60.3	63.4	108.8
OVERALL MEASURED															110.8
OVERALL CALCULATED			104.1	133.6	102.9	103.6	101.6	101.8	99.3	98.7	97.8	96.1	93.9	91.0	
PNdB			117.9	116.8	116.8	117.8	115.2	114.7	112.9	112.8	111.4	110.1	107.7	103.9	133.8

Run 35/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 NH. 10.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM. DAT)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIAN)S											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	50	44.3	50.2	56.9	59.4	60.0	58.2	59.9	60.2	58.3	57.0	57.7	
	63	44.6	52.4	56.5	57.7	60.5	60.0	60.7	59.0	58.6	54.9	53.5	
SIDE LINE 500. FT.	80	48.3	55.4	60.6	62.3	64.0	65.8	60.0	66.3	64.1	62.7	59.3	
(152.40 M)	100	47.6	54.4	59.5	59.8	60.8	61.1	62.8	62.6	61.2	59.0	56.1	
NFA 3223. RPM	125	43.7	51.1	57.4	58.5	60.3	59.1	58.6	57.5	56.3	55.3	53.1	
(337. RAD/SEC)	160	41.9	50.0	55.7	57.2	58.0	58.6	59.1	57.5	55.0	53.1	51.2	
NFA 3160. RPM	200	40.3	50.5	56.8	58.1	60.0	59.6	60.7	57.8	57.1	55.7	54.2	
(331. RAD/SEC)	250	40.2	49.5	54.9	60.0	63.2	63.9	65.0	63.8	64.2	62.7	59.2	
NFD 3244. RPM	315	36.1	46.1	55.9	61.7	63.2	63.4	63.7	63.4	60.2	58.0	53.6	
(340. RAD/SEC)	400	37.3	49.2	57.5	60.0	61.1	60.1	60.7	59.9	58.5	56.7	53.0	
AIRFLOW RATIO	500	39.1	46.0	54.3	55.9	59.3	58.8	58.6	58.7	58.8	52.5	47.5	
WF/HM 12-60	630	40.9	49.0	54.7	57.3	59.2	60.7	60.0	59.0	57.1	54.2	50.0	
	800	42.3	51.6	57.6	59.3	62.0	62.4	62.7	61.9	60.6	56.9	52.2	
VEHICLE UTM5M	1000	46.0	56.7	60.8	67.0	69.0	68.7	69.0	68.9	68.3	65.3	60.1	
CONFIG 605	1250	42.3	53.6	62.2	63.4	65.3	65.2	60.2	65.7	64.2	61.1	55.7	
ZDC SCHENECTADY	1600	37.8	50.0	57.8	60.2	61.0	62.1	62.4	62.0	60.4	58.1	52.4	
DATE 7/9/75	2000	37.4	51.0	59.4	61.4	64.0	63.1	63.8	63.4	61.3	59.5	54.7	
RUN 35/12	2500	33.9	48.2	56.1	59.6	62.4	61.0	61.8	61.6	59.9	57.4	53.4	
TAPE	3150	30.2	46.8	56.1	59.3	61.2	61.8	61.4	61.7	60.6	57.9	54.5	
FAN TIP SPEED	4000	22.9	42.8	52.9	56.6	59.4	59.9	60.1	60.5	58.4	55.7	52.8	
999. FT/SEC	5000	17.3	39.3	49.8	54.3	57.3	57.4	57.8	57.9	55.1	53.0	50.6	
	6300	4.9	32.7	45.0	50.7	53.9	54.1	55.1	54.8	53.3	50.0	48.1	
	8000		22.3	38.1	44.4	48.7	50.0	50.7	50.5	48.9	45.5	44.1	
	10000		8.8	28.6	37.2	42.7	44.1	45.5	46.1	43.2	41.1	37.9	
OVERALL CALCULATED	750	55.6	64.9	71.9	73.8	75.7	75.8	76.4	76.0	74.5	72.2	68.6	
PNDB	59.4	72.7	80.6	83.8	86.1	86.3	86.5	86.3	84.0	82.2	78.0		
	50	54.7	60.0	65.9	68.1	68.4	68.6	68.1	68.4	66.5	65.8	66.0	
	63	55.3	62.5	65.7	66.4	69.1	68.5	69.0	67.4	65.2	63.2	61.9	
SIDE LINE 200. FT.	80	59.3	65.8	70.1	71.3	72.7	74.4	74.5	74.8	72.0	71.1	67.8	
(60.96 M)	100	58.9	65.1	69.2	69.0	69.6	69.8	71.4	71.2	69.8	67.0	66.7	
	125	55.2	62.1	67.3	67.8	69.3	68.0	67.3	66.2	65.0	64.0	61.9	
	160	53.6	61.9	65.9	66.7	67.2	67.6	68.0	66.3	64.4	61.9	60.1	
	200	52.0	62.1	67.2	67.9	69.4	68.8	69.7	68.8	66.1	64.6	63.3	
	250	52.8	61.4	65.6	70.0	72.8	73.2	74.1	75.0	73.3	71.8	68.4	
	315	49.1	60.4	66.9	71.9	72.9	72.8	73.1	72.6	69.4	67.2	63.1	
	400	50.8	61.9	68.7	71.0	71.0	69.7	70.2	69.3	67.9	66.1	63.3	
	500	53.0	61.1	65.8	66.6	69.4	68.6	68.4	66.3	66.4	62.0	57.2	
	630	55.4	62.5	66.6	68.2	69.5	70.8	69.8	68.7	66.8	63.9	59.9	
	800	57.5	65.6	69.9	70.5	72.6	72.6	72.7	71.9	70.5	68.8	62.3	
	1000	62.0	73.2	79.4	78.6	79.9	79.2	79.8	79.0	78.4	75.4	70.4	
	1250	59.1	68.8	75.3	75.3	76.4	76.0	76.7	76.1	74.5	71.5	68.2	
	1600	55.8	65.9	71.4	72.5	73.1	73.2	73.2	72.6	71.0	68.7	63.2	
	2000	56.8	67.7	72.7	74.2	76.0	74.5	75.0	74.3	72.2	70.5	65.9	
	2500	54.9	65.8	70.9	72.8	74.7	73.4	73.2	72.8	71.1	68.0	64.8	
	3150	53.8	65.6	71.8	73.2	74.1	74.1	73.3	73.4	71.6	69.0	66.4	
	4000	50.4	63.6	69.9	71.6	73.2	73.0	72.8	72.9	70.8	68.1	65.4	
	5000	47.1	61.2	67.6	69.9	71.6	70.9	70.8	70.7	67.8	65.8	63.7	
	6300	41.3	58.0	65.1	68.1	69.7	69.0	69.4	68.7	67.1	63.9	62.4	
	8000	33.7	52.8	61.7	64.5	66.8	66.9	66.6	66.2	64.8	61.2	59.3	
	10000	23.5	46.5	57.2	61.2	64.0	63.8	64.3	64.4	61.3	59.3	56.6	
OVERALL CALCULATED	69.3	78.8	84.4	85.2	86.6	86.3	86.0	86.1	84.5	82.1	78.6		

ORIGINAL PAGE IS OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. UAV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.														0. 0. 0. 0. 0. 0.					
	FREQ. (0. 10. 17. 25. 35. 50. 70. 100. 141. 221. 314. 447. 631. 884. 1224. 1700. 2360. 3280. 4550. 6280. 8680. 11800. 16100. 22100. 30100. 41000. 55000. 74000. 100000.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	
SIDELINE 500. FT. (152.40 M)	50	40.8	47.7	53.6	58.5	62.4	65.3	67.9	69.2	69.5	68.8	67.2	64.7	61.5	57.8	53.7	49.3	44.7	40.0	
NFA 2307. RPM (1242. RAD/SEC)	63	44.6	52.7	58.0	62.7	66.4	69.1	70.8	71.2	70.5	68.8	66.2	62.7	58.5	53.7	49.3	44.7	40.0	35.3	
KFK 2261. RPM (1239. RAD/SEC)	80	49.3	58.0	63.2	67.1	70.0	71.8	72.2	71.5	69.8	67.2	63.7	59.5	54.7	50.0	45.3	40.6	35.9	31.2	
NFD 3244. RPM (1640. RAD/SEC)	125	46.7	54.9	59.9	63.8	66.7	68.5	69.0	68.3	66.6	64.0	60.5	56.3	51.5	46.8	42.1	37.4	32.7	28.0	
AIRFLOW RATIO WF/WP 12.66	160	45.1	53.8	59.4	63.7	66.6	68.4	68.9	68.2	66.5	63.9	60.4	56.2	51.4	46.7	42.0	37.3	32.6	27.9	
VEHICLE UTWSIM	200	48.8	58.0	62.5	66.1	69.0	70.8	71.3	70.6	68.9	66.3	62.8	58.6	53.8	49.1	44.4	39.7	35.0	30.3	
CONFIG G-R/M	250	50.5	59.5	64.1	67.3	70.2	72.0	72.5	71.8	70.1	67.5	64.0	59.8	55.0	50.3	45.6	40.9	36.2	31.5	
LOC SCHEMECTADY	315	47.3	57.6	63.4	67.2	70.1	71.9	72.4	71.7	70.0	67.4	63.9	59.7	54.9	50.2	45.5	40.8	36.1	31.4	
DATE 7/9/75	400	46.3	56.7	62.5	66.6	69.5	71.3	71.8	71.1	69.4	66.8	63.3	59.1	54.3	49.6	44.9	40.2	35.5	30.8	
RLN 36/4	500	43.3	52.7	59.1	63.0	65.9	67.7	68.2	67.5	65.8	63.2	59.7	55.5	50.7	46.0	41.3	36.6	31.9	27.2	
TYPE	600	48.4	58.2	63.5	67.3	70.2	72.0	72.5	71.8	70.1	67.5	64.0	59.8	55.0	50.3	45.6	40.9	36.2	31.5	
FAN TIP SPEED 715. FT/SEC	800	38.9	49.9	56.9	60.9	63.8	65.6	66.1	65.4	63.7	61.1	57.6	53.4	48.6	43.8	39.1	34.4	29.7	25.0	
	1000	37.7	50.2	57.7	62.3	65.2	67.0	67.5	66.8	65.1	62.5	59.0	54.8	50.0	45.3	40.6	35.9	31.2	26.5	
	1250	42.2	55.6	62.2	67.4	70.3	72.1	72.6	71.9	70.2	67.6	64.1	59.9	55.1	50.4	45.7	41.0	36.3	31.6	
	1600	41.3	55.6	63.0	68.2	71.1	72.9	73.4	72.7	71.0	68.4	64.9	60.7	55.9	51.2	46.5	41.8	37.1	32.4	
	2000	41.5	56.3	63.5	68.7	71.6	73.4	73.9	73.2	71.5	68.9	65.4	61.2	56.4	51.7	47.0	42.3	37.6	32.9	
	2500	37.0	53.7	63.9	69.0	71.9	73.7	74.2	73.5	71.8	69.2	65.7	61.5	56.7	52.0	47.3	42.6	37.9	33.2	
	3150	30.2	49.1	59.5	65.4	68.3	70.1	70.6	69.9	68.2	65.6	62.1	57.9	53.2	48.5	43.8	39.1	34.4	29.7	
	4000	21.5	44.4	55.3	60.3	64.0	66.0	66.5	65.8	64.1	61.5	58.0	53.8	49.1	44.4	39.7	35.0	30.3	25.6	
	5000	16.7	41.3	53.3	59.2	61.8	63.6	64.1	63.4	61.7	59.1	55.6	51.4	46.7	42.0	37.3	32.6	27.9	23.2	
	6300	9.1	33.9	48.4	55.0	58.5	60.3	60.8	60.1	58.4	55.8	52.3	48.1	43.4	38.7	34.0	29.3	24.6	19.9	
	8000	24.3	41.8	49.4	52.7	54.4	55.2	55.1	54.4	52.7	49.1	45.6	41.4	36.7	32.0	27.3	22.6	17.9	13.2	
	10000	10.1	30.2	40.2	45.1	47.0	47.5	47.4	46.7	45.0	42.4	38.9	34.7	30.0	25.3	20.6	15.9	11.2	6.5	
OVERALL CALCULATED		59.0	69.6	75.5	78.1	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
P429		63.0	77.4	86.1	90.2	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	

	50	51.2	57.5	62.6	65.1	64.8	63.6	64.1	64.4	61.7	61.1	60.5							
SIDELINE 200. FT. (60.96 M)	63	55.3	62.8	65.2	66.5	68.0	68.3	68.8	67.6	64.7	63.2	61.4							
	80	60.3	67.0	69.8	70.6	71.1	71.7	71.7	72.5	70.8	68.9	66.0							
	125	63.2	69.1	72.9	73.2	72.6	72.1	71.7	71.2	70.0	68.3	66.7							
	160	58.2	65.9	69.3	70.9	71.2	70.8	69.6	67.4	65.5	64.0	61.6							
	200	57.0	65.1	69.6	70.2	69.6	69.2	68.3	67.6	65.4	63.7	60.3							
	250	61.1	69.6	73.0	73.9	73.8	72.9	71.5	69.5	66.8	64.6	62.0							
	315	63.1	71.4	75.8	77.3	76.4	75.5	73.9	72.4	70.0	66.9	64.2							
	400	60.3	69.9	74.4	75.4	74.3	72.7	71.3	69.6	66.9	64.2	60.6							
	5000	59.8	69.3	73.7	75.0	74.4	72.6	70.7	69.8	67.2	63.9	60.3							
	6300	57.3	65.8	70.6	71.6	71.3	70.5	67.4	65.5	64.4	61.5	58.2							
	8000	62.9	77.7	81.4	79.7	82.7	82.6	79.6	76.7	75.1	73.2	69.4							
	10000	53.2	63.9	69.1	70.8	71.5	71.4	69.2	66.6	63.5	61.3	58.5							
	12500	59.1	70.7	78.3	79.3	80.3	81.5	78.9	74.6	71.5	71.7	68.4							
	16000	59.4	71.5	76.6	78.5	78.6	78.3	75.4	71.6	68.7	66.7	63.8							
	20000	61.0	73.1	79.7	81.8	81.6	82.2	79.4	75.3	71.7	70.3	68.3							
	25000	59.0	71.2	78.6	82.2	82.9	83.0	80.3	75.7	72.1	69.9	68.2							
	31500	53.8	67.9	75.3	79.3	81.2	81.6	79.7	75.1	70.4	67.8	66.1							
	40000	49.1	65.2	72.4	75.8	77.8	78.0	75.3	71.5	65.5	63.1	62.4							
	50000	46.5	63.3	71.1	74.8	76.1	75.9	73.7	68.5	62.1	59.4	58.7							
	63000	41.5	59.2	69.5	72.4	74.3	73.1	71.1	65.2	59.0	55.9	55.2							
	80000	33.9	54.3	64.7	69.5	70.8	71.3	69.3	62.6	54.9	51.5	50.6							
	100000	22.7	47.8	54.7	64.2	68.4	66.7	64.3	58.4	49.7	46.3	45.6							
OVERALL CALCULATED		72.3	83.1	88.3	90.0	90.9	91.0	88.6	85.2	82.3	80.5	77.8							
P429		81.5	93.9	100.5	103.3	104.1	104.1	101.9	97.8	93.9	91.7	89.7							

Run 36/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 25 HR. 3.8																			
		MODEL SOUND PRESSURE LEVELS (99, DEG. F., 70 PERCENT REL. HUM., DAY)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. PNL		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. PNL																			
50																					
63																					
RADIAL 17. FT.																					
(5. M)																					
VEHICLE	UTHSIM	100	72.6	71.8	70.8	69.4	67.1	68.0	70.0	71.8	72.9	73.1	73.3	71.4							105.3
CONFIG	E.B/M	125	80.3	80.8	79.3	78.1	78.1	77.3	75.8	74.8	75.4	73.4	73.3	73.4							109.7
LCC	SCHENECTADY	160	80.8	79.3	78.3	79.4	79.6	78.8	76.8	76.8	77.4	74.4	74.6	73.6							110.8
DATE	7/9/75	250	81.6	83.5	83.5	82.6	81.6	81.0	80.5	80.3	78.9	75.8	74.8	72.9							113.4
REL.	36/5	315	89.3	88.5	87.8	87.4	85.6	85.0	84.0	83.3	83.4	81.6	79.8	77.6							117.7
TAFE		400	92.3	92.3	90.5	90.9	88.6	88.3	84.5	83.5	83.2	81.8	79.8	78.9							119.5
BAR	29.5 HG	500	89.1	89.3	88.8	88.8	87.3	86.8	85.3	82.8	80.2	78.6	77.5	74.9							118.1
	(99590. N/H2)	600	87.8	85.3	86.1	88.1	86.6	84.3	82.8	81.8	79.9	77.9	77.0	73.6							118.9
TANE	71. DEG F	800	91.3	91.3	91.3	90.9	89.3	87.8	85.5	83.8	81.5	78.1	73.1	74.4							119.7
	(295. DEG K)	1000	93.6	93.0	93.1	94.1	93.1	91.0	88.5	86.3	84.0	81.6	79.3	76.4							122.8
T-ET	69. DEG F	1250	90.3	91.0	92.1	93.1	91.1	89.0	86.5	85.6	82.2	79.6	77.5	73.1							121.0
	(294. DEG K)	1600	92.3	92.6	93.1	92.9	91.6	89.3	87.2	83.6	82.2	79.7	76.8	73.4							121.3
MACT	17.25 GM/H3	2000	91.9	91.6	90.3	89.7	88.1	86.3	85.0	80.6	78.8	76.7	74.3	71.7							118.5
	(.31725 KG/H3)	2500	67.6	88.3	87.6	87.2	86.1	84.5	83.7	79.6	76.3	74.5	72.0	68.9							116.3
NFA	9113. RPM	3150	99.9	97.8	98.5	98.9	96.3	98.0	96.4	94.4	91.5	88.0	86.5	81.2							128.5
	(5500. RAD/SEC)	4000	93.3	92.3	93.0	93.9	91.3	92.4	91.4	88.4	85.5	82.0	80.5	75.7							123.1
NFM	5009. RPM	5000	86.5	87.5	88.2	88.9	86.5	89.3	88.5	85.8	83.0	79.2	77.4	75.1							119.8
	(943. RAD/SEC)	6300	92.9	94.7	94.8	97.3	97.2	98.3	97.2	93.5	89.4	85.2	84.8	81.0							120.0
NFD	11517. RPM	8000	93.1	94.4	94.1	95.5	94.6	94.0	93.2	89.7	86.0	82.0	80.9	78.3							125.1
	(1206. RAD/SEC)	10000	94.7	95.8	97.4	98.8	98.7	97.7	95.6	93.5	88.8	84.7	82.4	81.1							128.4
NO. OF BLADES	16	12500	94.1	95.8	96.7	98.0	98.4	98.3	96.0	93.7	89.1	85.1	82.1	80.6							128.8
FAN TIP SPEED		16000	92.3	93.3	95.1	96.3	96.8	97.0	96.0	93.2	88.8	84.3	81.0	79.4							127.7
	756. FT/SEC	20000	89.4	91.4	92.2	93.9	94.4	93.9	93.2	90.7	86.3	80.5	77.4	76.1							125.3
		25000	89.8	90.1	91.5	92.8	93.4	93.1	91.7	88.4	84.2	77.1	73.4	72.7							124.4
		31500	87.7	88.7	88.8	90.1	91.0	90.7	89.3	86.0	81.0	73.4	69.7	69.7							122.6
		40000	85.5	86.2	87.2	88.4	89.8	88.6	86.2	83.8	78.7	70.3	65.9	64.9							121.5
		50000	81.5	82.8	83.1	84.2	84.9	83.9	83.0	79.5	74.9	64.6	61.0	60.0							118.6
		63000	76.2	77.4	78.6	79.7	79.4	78.4	78.1	74.2	69.9	59.8	58.3	57.2							115.3
		80000	69.4	70.0	71.8	72.0	71.4	70.5	70.4	69.2	62.2	56.9	58.3	57.4							110.7
			69.9	69.8	69.3	70.5	69.9	70.3	70.7	70.2	61.2	58.1	60.8	61.1							114.3
OVERALL MEASURED:																					
OVERALL CALCULATED		106.0	106.1	106.6	107.6	107.0	106.9	105.4	102.7	99.1	95.4	93.6	90.8							107.8	
PNDR		119.5	118.7	119.1	119.7	118.4	118.6	117.3	114.6	111.8	108.5	106.9	103.0								

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
FREQ. (0.		10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	110.	110.	110.	110.	110.)		
SIDELINE 500. FT.	80	41.5	48.4	53.9	56.7	57.7	56.8	57.6	58.7	55.8	55.8	54.5	54.5	55.9	57.5	58.0	59.1	59.1	
(152.40 M)	100	49.4	53.2	56.8	58.4	59.7	60.4	60.9	60.0	64.3	62.8	60.7	60.7	60.5	59.1	58.0	59.1	59.1	
NFA 2567. RPM	125	46.9	56.9	61.6	63.3	64.7	64.4	63.9	63.8	63.9	62.7	60.5	60.5	59.1	58.0	59.1	59.1	59.1	
(269. RAD/SEC)	160	46.9	56.9	60.7	62.2	61.9	61.7	61.6	60.2	61.6	58.4	58.2	58.2	54.0	55.7	55.7	55.7	55.7	
NFR 2558. RPM	200	49.3	58.3	63.0	64.6	65.1	64.2	63.4	61.6	61.6	58.4	58.2	58.2	54.0	55.7	55.7	55.7	55.7	
(260. RAD/SEC)	250	50.2	59.5	65.9	67.0	68.1	67.0	65.7	63.8	61.7	59.5	57.2	57.2	52.7	52.7	52.7	52.7	52.7	
NFE 3244. RPM	315	47.3	57.3	64.4	65.7	65.8	64.7	64.7	62.5	61.7	59.3	56.2	56.2	52.3	52.3	52.3	52.3	52.3	
(340. RAD/SEC)	400	47.3	58.2	63.7	65.8	65.7	65.2	62.5	61.7	59.3	56.2	52.3	52.3	50.3	50.3	50.3	50.3	50.3	
AIRFLOW RATIO	500	45.3	54.7	60.0	62.0	62.4	62.6	59.3	58.0	56.1	53.6	50.9	50.9	48.0	48.0	48.0	48.0	48.0	
WF/WH 12.00	630	42.6	51.2	57.0	59.5	60.3	61.1	61.1	58.0	55.2	53.6	50.9	50.9	48.0	48.0	48.0	48.0	48.0	
VEHICLE UT-SIN	1050	49.5	61.4	68.1	69.3	73.4	73.4	72.4	70.2	66.8	65.1	50.2	50.2	53.4	53.4	53.4	53.4	53.4	
CONFIG F-R/M	1250	42.5	55.0	62.5	63.8	67.4	68.0	66.1	63.8	60.5	58.8	55.3	55.3	52.4	52.4	52.4	52.4	52.4	
LCC SCHELECTARY	1600	36.0	49.1	56.7	61.4	63.9	64.8	63.2	61.0	57.4	55.3	52.4	52.4	57.9	57.9	57.9	57.9	57.9	
DATE 7/9/75	2000	41.0	54.5	64.3	63.4	72.2	73.0	70.4	67.9	62.9	62.0	54.7	54.7	57.1	57.1	57.1	57.1	57.1	
RUN 36/5	2500	38.3	52.5	61.5	65.2	68.2	68.4	66.1	63.1	59.3	58.0	54.7	54.7	57.1	57.1	57.1	57.1	57.1	
TAPE	3150	37.1	54.5	64.1	63.6	70.5	70.4	70.1	69.1	65.1	61.4	58.1	58.1	55.9	55.9	55.9	55.9	55.9	
FAN TIP SPEED	4000	32.9	51.8	61.9	67.3	70.4	70.1	69.1	65.1	61.4	58.1	55.9	55.9	53.7	53.7	53.7	53.7	53.7	
756. FT/SEC	5000	24.7	47.9	58.1	64.1	67.8	69.0	67.6	64.0	59.7	56.2	50.1	50.1	45.1	45.1	45.1	45.1	45.1	
	6000	18.8	42.5	54.3	61.0	64.2	65.7	64.8	61.2	55.6	52.2	45.1	45.1	39.6	39.6	39.6	39.6	39.6	
	8000	9.9	36.7	50.2	57.5	61.3	62.4	60.8	57.5	50.8	44.7	39.6	39.6	31.4	31.4	31.4	31.4	31.4	
	10000		26.0	42.3	51.2	55.6	57.3	55.9	52.0	44.7	38.4	33.6	33.6	28.5	28.5	28.5	28.5	28.5	
OVERALL CALCULATED		59.8	69.2	75.8	78.4	80.7	80.8	79.5	76.9	73.8	72.0	68.5	68.5	73.3	73.3	73.3	73.3	73.3	
PNDR		63.6	77.5	86.3	92.4	93.0	93.2	91.9	88.6	84.8	82.1	79.3	79.3						

SIDELINE 200. FT.	80	52.0	58.2	62.9	65.3	66.1	65.1	65.9	66.9	64.0	64.1	62.7	62.7	61.9	61.9	61.9	61.9	61.9
(60.96 M)	100	56.0	63.3	66.0	67.2	68.2	68.8	69.3	68.4	65.4	64.2	61.9	61.9	66.5	66.5	66.5	66.5	66.5
	125	60.6	67.3	70.6	71.1	72.1	72.2	72.2	72.8	71.1	69.1	67.7	67.7	62.3	62.3	62.3	62.3	62.3
	160	63.9	69.8	73.9	74.0	73.3	72.6	72.4	72.5	71.3	69.1	67.7	67.7	63.0	63.0	63.0	63.0	63.0
	200	60.5	67.9	71.5	72.6	73.7	73.3	71.6	69.4	66.0	66.8	63.6	63.6	62.3	62.3	62.3	62.3	62.3
	250	58.8	66.9	70.9	71.7	71.1	70.7	70.5	69.1	67.2	66.2	62.3	62.3	63.0	63.0	63.0	63.0	63.0
	315	61.6	69.9	73.5	74.4	74.5	73.4	72.5	70.5	67.3	67.1	64.9	64.9	61.6	61.6	61.6	61.6	61.6
	400	62.8	71.4	76.6	78.0	77.7	76.3	74.9	72.9	70.8	68.3	64.9	64.9	61.6	61.6	61.6	61.6	61.6
	500	60.3	70.1	75.4	75.9	75.6	74.2	74.1	71.1	68.7	65.6	61.8	61.8	59.9	59.9	59.9	59.9	59.9
	600	61.3	70.8	75.0	76.2	75.7	74.8	72.0	71.1	68.7	65.6	61.8	61.8	59.9	59.9	59.9	59.9	59.9
	800	59.5	67.8	71.6	72.6	72.6	72.5	68.9	67.5	65.6	63.0	59.9	59.9	57.8	57.8	57.8	57.8	57.8
	1000	57.1	64.8	68.8	70.5	70.7	71.1	67.3	64.9	63.3	60.7	57.8	57.8	59.2	59.2	59.2	59.2	59.2
	1250	64.7	75.4	80.4	80.5	84.0	83.7	82.5	80.1	76.7	75.1	69.2	69.2	63.8	63.8	63.8	63.8	63.8
	1600	58.5	69.5	75.1	75.3	78.3	78.5	76.3	74.0	70.6	68.9	63.8	63.8	62.0	62.0	62.0	62.0	62.0
	2000	52.9	64.3	69.8	73.3	75.1	75.6	73.7	71.3	67.7	65.7	62.0	62.0	63.7	63.7	63.7	63.7	63.7
	2500	59.0	70.4	77.9	80.7	83.8	84.1	81.2	77.6	73.5	73.2	68.7	68.7	65.8	65.8	65.8	65.8	65.8
	3150	57.7	69.2	75.7	77.9	80.1	79.9	77.2	74.1	70.2	69.0	65.8	65.8	68.6	68.6	68.6	68.6	68.6
	4000	58.1	72.0	78.5	81.8	82.9	82.2	80.9	76.6	72.8	70.4	68.6	68.6	67.8	67.8	67.8	67.8	67.8
	5000	56.6	70.6	77.5	81.2	83.3	82.4	81.0	76.9	73.1	69.9	67.8	67.8	66.4	66.4	66.4	66.4	66.4
	6000	52.2	67.9	75.1	79.1	81.0	82.1	80.2	76.4	72.0	68.8	66.4	66.4	63.2	63.2	63.2	63.2	63.2
	8000	48.6	64.5	72.6	76.3	78.4	79.2	77.8	73.9	68.3	65.0	63.2	63.2	59.4	59.4	59.4	59.4	59.4
	10000	43.3	62.0	70.3	74.9	77.1	77.3	75.1	71.5	64.6	60.7	59.4	59.4	55.8	55.8	55.8	55.8	55.8
OVERALL CALCULATED		35.7	55.5	66.0	71.3	73.7	74.2	72.1	67.7	60.3	56.5	50.1	50.1	78.6	78.6	78.6	78.6	78.6
PNDR		73.0	82.7	88.3	90.4	92.2	92.0	90.3	87.3	83.9	82.0	78.6	78.6	93.9	93.9	93.9	93.9	93.9

ORIGINAL PAGE IS OF POOR QUALITY

Run 36/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.9																		
		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM., 1AV)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 110.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)		50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104
RADIAL 17. FT.	50																			
5. M)	80																			
VEHICLE	100	73.0	73.3	72.0	70.6	67.8	68.0	70.3	71.5	73.3	73.6	73.6	72.1							105.7
CONFIG	125	82.1	82.3	80.5	79.6	79.1	77.5	76.0	75.3	76.8	74.4	74.1	74.1							110.7
LGC SCHEDULE	150	81.3	79.3	78.8	80.9	80.6	78.8	76.8	76.0	76.0	73.6	73.1	72.1							110.8
DATE 7/9/75	200	82.1	83.8	83.5	82.9	82.3	82.0	80.8	81.0	79.8	76.6	75.8	74.1							114.0
RUN 36/6	250	89.8	88.8	88.0	87.6	86.3	85.0	84.2	84.0	83.7	82.3	80.0	77.8							118.8
TAPE	315	93.1	92.8	92.0	91.6	89.8	87.3	85.5	84.3	83.3	82.1	80.3	79.4							120.4
FAN 29.5 HG	400	91.1	91.3	91.0	90.4	89.1	88.5	86.8	84.8	83.0	81.1	78.8	77.1							120.0
(95590. W/M2)	500	89.3	89.8	89.1	89.9	88.6	88.0	84.8	83.6	82.0	79.9	77.8	75.6							118.8
TAMB 70. DEG F	630	90.3	91.5	91.6	91.2	89.6	88.3	86.0	84.1	81.8	79.1	76.8	75.1							120.0
(294. DEG K)	800	93.1	93.0	93.6	93.9	93.1	91.3	89.0	86.3	84.3	82.4	78.8	77.1							122.7
T-FT 64. DEG F	1000	92.3	92.8	93.1	93.9	91.8	89.3	87.0	84.3	82.8	80.1	77.3	74.4							121.8
(294. DEG K)	1250	94.3	94.3	93.6	93.7	92.1	89.5	86.5	84.1	82.6	80.7	76.8	74.1							121.8
MACT17.55 GH/MS	1500	93.1	92.6	91.1	91.7	89.9	87.5	85.5	83.1	80.6	79.5	75.8	73.7							119.9
(.01755 KG/MS)	2000	88.9	88.3	88.1	88.2	86.9	85.5	83.2	80.6	78.1	76.8	73.8	70.7							117.0
MFA 10512. RPM	2500	88.9	89.8	90.3	90.4	89.1	86.2	86.9	84.4	81.9	79.8	77.8	73.9							119.7
(1101. RAD/SEC)	3150	99.8	102.1	105.3	104.4	102.3	102.9	102.1	98.6	96.6	94.3	91.7	87.4							134.9
MFK 10402. RPM	4000	88.8	89.7	91.4	91.6	91.5	91.6	90.5	87.5	84.3	81.7	79.1	76.6							122.1
(1089. RAD/SEC)	5000	90.2	92.2	91.1	92.1	91.7	91.0	90.0	88.0	84.8	81.7	79.5	76.5							122.1
MFD 11517. RPM	6300	90.9	98.7	98.6	100.7	100.1	99.3	98.2	95.7	91.3	88.0	85.7	83.8							130.2
(1206. RAD/SEC)	8000	94.4	94.1	95.1	95.8	94.9	94.2	92.4	90.7	86.9	82.7	80.9	78.9							125.3
NO. OF BLADES 18	10000	95.8	97.3	98.5	100.3	99.2	99.1	97.3	94.7	90.6	86.6	84.6	82.8							129.8
FAN TIP SPEED	12500	93.8	95.3	96.3	98.0	99.0	98.5	96.8	93.2	90.4	85.5	83.0	81.1							129.8
918. FT/SEC	16000	91.9	92.1	93.6	94.9	95.0	95.9	94.4	91.7	88.9	82.2	79.4	77.6							126.7
	20000	90.0	91.1	92.5	93.5	94.6	94.8	93.4	91.2	87.5	81.1	76.9	75.2							128.1
	25000	83.4	89.1	90.0	91.9	92.5	92.1	91.3	88.2	84.8	78.1	74.2	72.2							124.3
	31500	86.5	87.2	87.6	89.7	90.8	90.3	88.9	86.5	83.2	75.3	70.1	67.6							123.3
	40000	89.4	87.0	83.8	85.3	86.1	85.3	84.1	82.2	78.9	69.6	64.4	62.5							120.1
	50000	76.6	78.1	78.7	80.1	80.8	79.5	80.3	76.4	74.6	63.2	60.2	58.2							116.8
	63000	69.3	70.4	71.6	72.8	72.5	71.4	72.8	70.1	68.7	57.8	58.8	58.0							112.1
	80000	69.7	69.6	69.1	70.3	69.7	70.1	70.5	70.0	70.9	57.9	60.6	62.4							115.1
OVERALL MEASURED																				
OVERALL CALCULATED		107.0	107.7	109.3	109.4	108.5	108.2	106.9	104.1	101.3	98.1	95.6	92.8							139.4
PND8		120.3	121.6	123.4	123.2	121.6	121.4	120.3	117.4	115.1	112.7	110.2	106.8							

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ., 10.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)					
50	41.8	48.9	55.4	57.7	57.7	56.8	56.9	57.3	58.0	54.3	53.0						
63	45.6	53.2	57.0	59.2	60.7	60.6	61.7	60.9	57.8	56.9	54.8						
STIDELINE 500. FT. (152.40 M)	49.3	57.1	61.3	62.8	63.4	63.9	64.5	64.6	63.4	60.9	58.3						
100	53.1	60.6	65.0	66.1	65.4	64.9	64.5	64.0	63.0	61.0	59.6						
NFA 2961. RPM	50.9	59.1	63.4	65.0	66.4	65.9	64.8	63.5	61.8	59.3	57.1						
(310. RAD/SEC)	48.6	57.6	62.4	64.2	63.6	63.7	63.4	62.3	60.3	58.1	55.2						
NFR 2953. RPM	49.6	56.5	63.3	64.9	65.6	64.7	63.7	61.9	59.4	56.9	54.7						
(307. RAD/SEC)	50.2	60.0	65.6	68.0	68.4	67.5	65.7	64.2	62.4	58.7	56.5						
NFD 3244. RPM	49.1	58.5	65.2	66.4	66.1	65.2	63.5	62.5	60.0	57.0	53.5						
(340. RAD/SEC)	49.6	58.7	64.5	66.3	66.0	64.4	63.0	62.0	60.3	56.2	53.0						
AIRFLOW FATIG	46.5	55.5	62.0	63.7	63.1	61.6	59.8	58.8	56.8	55.0	52.3						
WF/W 12.6C	42.9	54.9	60.2	62.5	64.0	64.3	62.8	60.8	58.9	56.7	52.3						
600	53.8	60.1	73.6	75.3	78.4	79.2	76.7	75.3	73.1	70.3	65.5						
VEHICLE UTHSH 1080	40.0	53.4	60.2	64.0	66.6	67.2	65.3	62.7	60.3	57.5	54.3						
COFFIG R-F/M 1250	39.5	52.1	59.9	61.6	65.6	66.3	65.4	62.8	59.9	57.5	53.9						
LCC SCHEMECTADY 1600	45.1	58.4	67.7	71.4	73.3	74.0	72.6	68.9	65.8	63.3	60.7						
DATE 7/9/75	38.1	53.6	62.0	65.6	67.7	67.7	67.3	64.1	60.1	55.4							
PUL 36/6 2500	38.8	55.7	65.6	69.2	72.1	72.2	70.9	67.5	63.7	61.4	59.0						
TATE 3150	32.6	51.6	62.1	68.1	70.6	71.1	68.8	66.7	62.0	59.3	56.7						
FAT TIP SPEED	23.3	45.9	57.1	63.3	67.0	67.7	66.4	64.4	57.9	54.9	52.3						
916. FT/SEC	19.0	43.3	54.8	61.7	65.5	66.4	65.6	62.8	58.7	52.1	49.6						
6300	6.6	35.8	49.9	57.2	60.9	62.7	61.3	58.4	52.4	48.2	45.2						
6000		25.7	42.7	51.9	56.2	57.9	57.4	55.1	47.5	41.9	38.5						
10000		11.2	31.6	42.2	47.2	49.7	50.0	48.0	39.0	33.5	30.3						
OVERALL CALCULATED	61.1	71.9	78.0	80.5	82.6	83.0	81.2	79.3	76.7	74.0	70.6						
PRDR	65.9	79.9	87.7	91.4	93.9	94.1	92.8	90.2	86.3	83.6	80.8						
50	52.2	58.7	64.4	66.3	66.1	65.1	65.1	65.5	63.2	62.6	61.2						
63	56.3	63.3	66.2	69.0	69.2	69.1	70.1	69.2	66.2	65.2	63.1						
STIDELINE 200. FT. (60.96 M)	60.8	67.5	70.8	71.8	72.1	72.5	73.0	73.1	71.8	69.4	66.8						
100	64.4	71.3	74.7	75.2	74.3	73.6	73.2	72.5	71.5	69.8	68.2						
125	62.5	70.1	73.3	74.4	75.5	74.8	73.6	72.2	70.5	68.0	65.9						
160	60.5	68.9	72.6	73.7	72.9	72.7	72.3	71.2	69.2	66.9	64.1						
200	61.8	70.1	73.7	74.6	75.0	73.9	72.7	70.9	68.3	65.9	63.4						
250	62.8	71.9	76.3	78.0	77.9	76.8	74.9	73.3	71.5	67.8	65.7						
315	62.1	71.1	76.1	76.6	75.6	74.7	72.8	71.7	69.2	66.2	62.8						
400	63.0	71.3	75.7	76.7	75.9	74.1	72.5	71.4	69.7	65.6	62.5						
500	60.8	68.6	73.6	74.4	73.0	73.0	71.4	69.3	66.4	64.5	61.9						
630	57.4	67.5	72.1	73.5	74.4	74.3	72.6	70.5	66.6	66.4	62.1						
800	69.0	82.1	85.9	86.5	89.0	89.4	86.7	85.2	83.0	80.3	75.5						
1000	56.0	67.9	72.5	75.5	77.5	77.7	75.6	72.8	70.4	67.6	64.6						
1250	56.3	67.2	73.0	75.5	76.8	77.0	75.9	73.1	70.2	67.9	64.4						
1600	63.1	74.3	81.4	83.8	84.9	85.1	83.4	79.8	76.4	73.9	71.5						
2000	57.5	70.3	76.2	78.3	79.6	79.2	78.4	75.1	71.0	69.0	66.5						
2500	59.8	73.2	80.4	82.5	84.4	84.0	82.3	78.7	74.9	72.7	70.4						
3150	56.3	70.4	77.5	82.0	83.3	83.3	80.7	76.4	73.7	71.0	68.6						
4000	50.8	66.7	74.1	79.3	80.6	80.8	79.1	76.6	70.3	67.3	64.9						
5000	48.7	65.2	72.8	77.3	79.8	79.9	78.6	75.6	69.4	64.9	62.7						
6300	43.0	61.2	70.0	74.6	76.7	77.5	75.5	72.7	66.2	62.1	59.5						
8000	35.1	56.3	66.4	72.0	74.3	74.7	73.5	70.8	63.1	57.7	54.6						
10000	22.5	49.0	60.2	66.1	68.6	69.4	68.8	66.2	57.1	51.7	49.1						
OVERALL CALCULATED	74.7	85.5	90.4	92.2	93.9	93.9	91.9	89.6	86.7	84.0	80.7						
PRDR	83.9	95.7	100.1	104.8	106.3	106.1	104.3	101.6	97.5	94.8	92.2						

Run 36/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., EAV)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	PWL
		FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)
RADIAL 17. FT.		50															
		63															
		80															
(5. M)		100	73.1	73.0	71.8	70.4	67.8	68.0	70.0	72.0	73.5	73.8	73.8	72.8			105.8
VEHICLE UTASIM		125	81.6	81.5	79.8	78.9	79.1	77.8	75.8	75.5	75.2	74.1	73.8	74.1			110.3
CONFIG R.F/M		160	80.8	79.5	78.8	80.1	79.8	78.8	77.0	76.3	75.2	73.6	73.1	72.0			110.4
LOG SCHEFFERBY		250	82.3	84.8	84.8	84.1	83.1	82.5	82.5	81.3	80.2	77.5	76.3	74.8			114.9
DATE 7/9/78		330	88.3	88.3	87.5	87.1	85.6	84.5	83.7	83.3	83.2	81.3	79.5	77.6			117.5
REV 36/7		315	92.3	92.5	91.3	91.1	89.1	87.0	84.7	83.3	82.8	81.8	79.5	78.9			119.8
TAFE		400	91.6	91.5	91.3	91.1	89.8	89.0	87.8	85.3	83.0	81.1	79.0	77.9			120.5
BAR 20.5 HG		500	88.6	89.0	89.6	90.9	89.8	88.8	85.3	83.3	82.0	79.8	77.5	75.4			119.0
(9590. RPM)		630	93.6	93.5	91.1	90.9	89.3	87.0	85.8	83.6	80.2	77.8	76.5	74.6			119.5
TAMB 70. DEG F		800	92.6	92.5	92.6	93.4	92.1	90.3	88.2	85.6	83.5	81.1	78.0	75.9			121.9
(294. DEG K)		1000	91.3	91.5	92.6	93.1	91.6	89.3	86.7	84.6	83.0	80.1	77.5	74.1			121.2
T.ET 76. DEG F		1250	93.1	92.8	93.1	92.9	91.3	89.0	87.2	84.6	82.6	80.6	77.3	74.8			121.3
(293. DEG K)		1400	91.9	91.6	90.6	90.4	89.1	87.5	85.0	82.6	80.4	78.2	75.8	72.8			119.2
HACT16.68 RPM/3		2000	87.9	86.6	86.6	87.7	86.9	85.5	83.5	80.9	78.6	76.5	73.8	70.4			118.8
(.01668 MG/MS)		2500	87.6	87.8	88.3	88.4	88.1	86.7	85.9	84.4	82.1	79.5	76.8	72.9			118.5
NFA 11067. RPM		3130	111.6	102.3	102.3	104.7	104.6	103.4	104.1	102.1	99.9	96.0	95.0	90.4			135.3
(1161. RAD/SEC)		4500	91.8	92.5	93.2	94.9	94.0	93.6	93.8	91.8	89.3	85.4	83.9	80.1			125.1
NFA 10971. RPM		5500	88.7	90.2	89.8	91.6	93.7	90.0	89.7	87.2	84.3	80.6	78.8	75.0			121.3
(1149. RAD/SEC)		6300	89.6	100.2	100.9	101.5	100.4	100.0	98.9	95.9	92.8	89.5	86.4	84.3			131.0
NFD 11517. RPM		8000	94.2	93.8	94.6	95.3	94.2	93.4	92.4	90.5	86.7	83.1	80.1	79.1			124.9
(1120. RAD/SEC)		10000	95.6	97.3	97.7	100.3	99.4	98.1	98.1	95.0	92.1	87.3	84.6	83.3			129.8
NO. OF BLADES 12		12500	93.0	94.8	95.4	97.9	97.5	95.8	95.8	93.8	91.2	85.7	82.3	80.4			128.1
FAN TIP SPEED		16000	91.4	91.7	93.2	95.0	94.9	94.4	93.4	91.5	88.9	81.9	79.2	77.6			128.0
968. FT/SEC		20000	90.8	90.9	92.0	93.8	94.1	93.8	92.4	90.4	88.0	80.6	78.9	75.2			125.5
		25000	88.7	89.4	89.3	91.9	92.8	92.2	91.1	88.3	85.6	78.9	74.0	72.7			124.4
		31500	87.3	87.5	88.4	90.2	90.6	90.1	89.3	86.9	83.8	76.3	70.6	68.7			123.5
		40000	82.8	83.1	83.9	85.7	86.5	85.4	84.8	82.3	80.2	71.4	65.5	63.6			120.4
		50000	77.0	78.5	79.1	80.8	82.9	79.7	80.4	77.1	75.8	66.6	61.4	58.8			117.2
		63000	69.5	70.3	71.9	72.8	72.5	71.6	72.7	70.6	69.7	64.2	59.1	58.5			112.5
		80000	70.0	69.9	69.4	70.6	70.0	70.4	70.8	70.3	71.2	67.9	60.9	61.0			119.8
OVERALL MEASURED																	
OVERALL CALCULATED			107.2	107.8	108.0	109.6	109.0	108.1	107.8	105.5	103.1	99.1	97.3	94.0			139.8
PRDF			121.0	121.6	121.7	123.3	122.8	121.7	121.7	119.6	117.3	113.8	112.3	108.7			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (C)	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0.														
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.17)	(0.35)	(0.52)	(0.70)
	50	42.0	48.9	54.6	57.0	57.7	57.1	57.1	57.1	55.0	54.3	53.7				
	63	46.6	54.4	58.3	59.9	61.2	62.4	61.9	61.4	58.8	57.4	55.3				
SIDELINE 500. FT.	80	49.3	56.6	60.8	62.1	62.9	63.4	63.7	64.1	62.3	60.4	58.0				
(152.40 M)	100	52.9	59.9	64.5	65.3	65.2	64.2	63.5	63.5	61.9	60.2	59.1				
NFA 3123. RPM	125	51.2	59.4	64.1	65.8	66.9	66.9	65.3	63.5	61.7	59.6	57.9				
(327. RAD/SEC)	160	47.9	57.1	63.4	64.4	64.4	64.2	63.1	62.3	60.3	57.8	55.2				
NFA 3090. RPM	200	48.6	56.0	63.0	64.6	64.9	64.5	63.2	60.9	58.1	56.7	54.7				
(324. PAD/SEC)	250	49.7	59.0	65.1	67.0	67.4	66.7	65.0	63.4	61.1	57.9	55.2				
NFA 3224. RPM	315	47.8	58.3	64.4	66.2	66.1	64.9	63.7	62.7	59.9	57.2	53.2				
(340. RAD/SEC)	400	48.1	58.2	63.7	65.6	65.5	65.2	63.5	62.0	60.2	56.7	53.5				
AIRFLOW RATIO	500	45.8	55.0	60.8	63.0	63.7	62.6	61.3	59.5	57.5	55.0	51.5				
W/F/M 12.60	630	39.6	50.2	57.5	60.3	61.3	60.8	59.2	57.5	55.5	52.7	48.8				
	800	39.5	51.1	57.6	61.1	62.1	62.9	62.4	60.7	58.3	55.4	50.9				
VEHICLE UTS/SIM	1000	52.5	64.2	73.2	77.1	78.4	80.8	79.8	78.2	74.5	73.3	68.1				
CONFIG G/S/M	1250	41.0	54.1	62.7	65.9	68.1	70.1	69.2	67.3	63.6	61.8	57.4				
LOC SCHEMECTARY	1600	36.5	49.5	58.5	61.9	64.0	65.5	64.1	61.5	58.4	56.3	52.9				
DATE 7/9/75	2000	44.1	59.2	67.5	70.9	73.4	74.2	72.3	69.9	66.8	63.5	60.7				
RUN 36/7	2500	35.1	51.7	60.5	64.1	66.3	67.2	66.5	63.8	60.9	58.9	55.1				
TAPE	3150	34.4	52.8	64.1	66.3	70.1	72.1	70.4	68.2	63.6	60.7	58.7				
FAN TIP SPEED	4000	25.7	47.3	58.8	64.9	67.0	68.8	68.1	66.3	61.1	57.4	54.7				
966. FT/SEC	5000	19.0	43.5	55.8	61.6	64.7	66.0	65.5	63.7	57.0	54.0	51.6				
	6300	7.7	37.2	51.2	58.2	62.0	63.2	62.8	61.4	54.2	50.2	47.6				
	8000		26.5	44.1	52.9	57.1	59.1	58.2	56.6	50.2	45.0	42.6				
	10000		14.6	35.1	45.3	50.7	53.5	53.3	51.5	44.4	38.4	35.2				
OVERALL CALCULATED		60.5	70.3	77.5	83.7	82.1	83.6	82.5	80.2	77.3	75.5	71.6				
PDR		65.0	78.9	87.5	91.2	93.2	94.4	93.1	91.1	87.0	84.7	81.4				

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	50	52.5	58.7	63.6	65.6	66.1	65.4	65.4	65.3	63.2	62.6	62.0				
	63	57.3	64.5	67.5	68.7	69.7	70.8	70.3	69.7	67.1	65.7	63.6				
SIDELINE 200. FT.	80	60.3	67.0	70.3	71.1	71.6	72.0	72.2	72.6	70.8	68.9	66.5				
(60.96 M)	100	64.2	70.6	74.2	74.5	74.1	72.9	72.2	72.0	70.5	68.8	67.7				
	125	62.7	70.4	74.0	75.1	76.0	75.8	74.1	72.2	70.4	68.3	66.6				
	160	57.8	68.4	73.6	74.0	73.6	73.2	72.0	71.2	69.1	66.7	64.1				
	200	60.8	69.6	73.5	74.4	74.3	73.6	72.2	69.9	67.0	65.6	63.3				
	250	62.3	70.9	75.8	77.0	76.9	76.0	74.2	72.5	70.2	67.0	64.4				
	315	60.8	70.6	75.4	76.4	75.6	74.4	73.1	71.9	69.1	66.4	62.6				
	400	61.5	70.8	75.0	76.0	75.4	74.8	73.0	71.4	69.6	66.1	63.0				
	500	59.8	68.1	72.3	73.6	73.8	72.5	70.9	69.1	67.1	64.5	61.2				
	630	54.2	63.7	69.3	71.2	71.7	70.9	69.1	67.3	65.3	62.4	58.8				
	800	54.7	65.1	69.9	72.3	72.8	73.2	72.5	70.7	68.2	65.3	61.0				
	1000	68.5	78.7	85.9	88.5	89.3	91.3	90.1	88.3	84.6	83.4	78.4				
	1250	57.9	69.3	75.8	77.8	79.3	80.8	79.7	77.7	73.9	72.2	67.9				
	1600	54.5	65.4	72.1	74.2	75.5	76.6	74.9	72.2	69.0	67.0	63.7				
	2000	63.5	75.9	81.7	83.7	85.4	85.6	83.5	80.9	77.7	74.5	71.8				
	2500	56.1	69.3	75.3	77.3	78.6	78.9	74.6	71.2	68.1	66.6	63.6				
	3150	58.1	71.6	79.8	82.2	83.0	84.4	82.3	79.9	75.3	72.4	70.6				
	4000	53.2	68.1	75.9	79.8	81.3	81.8	80.8	78.7	73.4	69.8	67.4				
	5000	48.9	65.5	73.6	77.1	79.0	79.5	78.6	76.5	69.7	66.8	64.7				
	6300	46.1	62.5	71.4	75.6	77.8	78.0	77.1	75.3	68.1	64.2	61.9				
	8000	36.5	57.0	67.7	73.1	75.3	76.0	74.3	72.3	65.8	60.7	58.8				
	10000	26.0	52.3	63.7	69.3	72.0	73.2	72.1	69.8	62.5	56.6	53.9				
OVERALL CALCULATED		74.1	84.1	90.2	92.6	93.5	94.6	93.2	91.3	87.5	85.7	81.8				
PDR		83.3	95.5	102.2	104.7	105.6	106.5	104.8	102.6	98.3	95.5	93.0				

Run 36/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6																		
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., RAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL	
FREQ. (0. 1)(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)																				
50																				
63																				
80																				
RADIAL 17. FT.																				
(5. M)																				
VEHICLE UTMS#		100	72.6	72.5	71.5	69.6	67.6	67.5	69.8	70.8	72.3	72.3	72.6	71.4						104.8
COFFIC R.F/M		125	81.6	81.0	79.8	78.4	78.3	76.8	75.8	75.0	75.5	73.6	73.6	74.1						109.9
LOC SCHELECTARY		160	79.6	78.0	77.3	78.9	78.6	77.3	75.5	75.3	74.8	72.8	72.8	71.0						109.4
DATE 7/9/75		200	61.8	63.8	64.0	63.4	62.1	62.0	61.3	60.5	79.5	79.5	75.5	73.6						114.0
RUN 36/A		250	88.0	87.3	86.8	86.1	84.6	83.3	82.5	82.5	82.2	80.3	78.5	76.6						116.5
		315	91.3	91.5	90.0	89.9	87.8	85.5	83.5	82.0	81.5	80.3	78.8	78.1						118.0
TAPE		400	90.8	91.0	90.0	90.4	88.8	85.5	87.3	85.1	83.3	80.8	78.8	77.9						119.0
BAR 29.5 HG		500	88.6	88.5	89.3	89.9	87.8	86.3	84.5	83.1	81.5	79.3	77.5	75.4						118.4
(99590. N/M2)		630	95.6	91.5	91.1	90.9	88.8	85.1	85.8	83.6	81.0	77.3	76.8	77.1						119.6
TANG 70. DEG F		800	91.3	91.3	92.1	92.4	91.6	89.5	87.5	85.3	83.0	80.3	77.8	75.9						121.2
(294. DEG K)		1000	93.1	90.5	92.1	92.6	90.6	88.3	86.2	83.8	82.3	78.8	76.3	73.1						120.5
T-ET 62. DEG F		1250	91.8	92.1	91.8	92.2	90.6	88.5	86.0	84.1	82.3	79.9	76.8	73.6						120.5
(293. DEG K)		1600	93.1	90.5	89.1	89.4	89.1	87.3	84.7	82.1	80.1	77.9	75.8	72.0						118.6
MACT16.68 GM/M3		2000	86.4	86.3	86.3	87.2	86.9	85.5	84.7	82.1	80.1	77.5	74.8	72.4						119.0
(0.31668 KG/M3)		2500	87.9	88.1	87.8	88.4	89.1	88.0	86.7	84.6	81.9	79.7	77.3	72.9						119.0
NFA 11451. RPM		3150	102.8	92.6	101.0	102.7	102.6	102.7	103.1	101.6	98.6	95.0	93.2	86.7						134.0
(1199. RAD/SEC)		4000	97.0	95.0	95.9	96.9	97.0	97.1	97.5	95.5	93.1	89.4	86.6	81.3						128.4
NFY 11331. RPM		5000	87.9	85.9	89.1	90.8	90.9	91.3	90.7	88.7	86.6	81.9	79.8	76.5						122.8
(1188. RAD/SEC)		6300	94.1	95.4	97.4	99.0	98.6	97.5	96.4	94.2	91.3	87.0	85.4	83.0						128.7
NFE 11517. RPM		8000	91.9	93.1	93.6	95.3	94.2	93.2	92.6	91.0	87.4	83.4	80.9	79.1						124.9
(1206. RAD/SEC)		10000	95.3	96.6	97.0	98.3	98.2	97.1	96.1	93.7	90.4	86.1	83.3	82.3						126.4
NO. OF BLADES 12		12500	92.5	93.8	93.6	95.3	95.8	95.3	93.8	92.0	89.4	84.2	81.3	79.1						126.4
FAN TIP SPEED		16000	98.2	91.2	92.4	93.7	93.9	93.4	91.7	90.0	87.7	81.7	77.9	76.8						124.8
1000. FT/SEC		20000	90.0	90.9	91.3	92.3	92.9	92.1	91.2	88.2	86.8	80.1	76.1	74.5						124.1
		25000	88.2	88.7	88.6	90.9	91.3	90.7	89.3	86.8	84.6	78.1	73.0	71.7						123.0
		31500	86.8	86.7	87.2	89.0	89.6	89.1	87.3	85.1	82.5	75.6	69.6	67.7						122.2
		40000	82.5	82.5	83.1	84.7	85.2	84.2	83.5	81.3	79.0	70.4	64.5	62.3						119.3
		50000	76.2	77.2	78.4	79.8	79.7	78.2	78.4	75.3	74.5	65.6	60.6	58.6						115.8
		63000	69.0	69.3	70.6	72.3	71.5	70.4	71.2	69.8	68.9	64.0	59.1	57.7						111.8
		80000	70.0	69.9	69.4	70.6	70.0	70.4	70.8	70.3	71.2	67.9	60.9	63.2						115.7
OVERALL MEASURED																				
OVERALL CALCULATED		106.9	106.3	106.9	108.1	107.8	107.3	106.9	105.1	102.3	98.5	96.3	92.4						138.8	
PNDR		121.5	119.8	120.7	121.9	121.8	121.2	121.1	119.4	116.7	113.2	111.3	106.5							

Run 36/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. MAY)																	
ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	12.10)	0.	0.	0.	0.	0.
50	40.5	47.4	53.4	55.7	56.2	55.6	56.1	56.1	54.2	54.1	52.7						
63	45.6	53.7	57.5	58.9	60.7	61.1	61.2	60.6	57.8	56.7	54.3						
SIDELINE 500. FT. (152.40 M)	60	48.3	55.9	59.8	61.1	61.7	62.1	63.0	63.1	61.3	59.4	57.0					
NFA 3225. RPM (338. RAD/SEC)	100	51.9	58.6	63.2	64.1	63.7	62.9	62.3	62.2	61.2	59.5	58.3					
NFA 3192. RPM (334. RAD/SEC)	125	50.7	58.1	63.4	64.8	66.4	66.4	65.1	63.8	61.5	59.3	57.9					
NFA 3244. RPM (340. RAD/SEC)	160	47.4	56.8	62.4	63.4	63.9	63.4	62.9	61.8	59.8	57.8	55.2					
NFA 3192. RPM (334. RAD/SEC)	200	49.6	58.0	63.0	64.1	65.4	64.5	63.2	61.1	57.6	56.9	56.7					
NFA 3244. RPM (340. RAD/SEC)	250	46.5	56.5	64.1	66.5	66.6	66.0	64.7	62.9	60.4	57.7	55.2					
NFA 3244. RPM (340. RAD/SEC)	315	46.8	57.6	63.9	65.2	65.1	64.4	63.0	62.0	58.7	56.0	52.2					
NFA 3244. RPM (340. RAD/SEC)	400	47.3	56.9	63.0	64.8	65.0	63.9	63.0	61.7	59.5	56.2	52.5					
AIRFLOW RATIO W/FWH 12.60	500	44.5	53.5	59.8	63.0	63.4	62.4	60.8	59.3	57.3	55.0	51.5					
	630	39.4	50.0	57.0	60.3	61.3	62.1	60.5	59.0	56.6	53.7	48.8					
	850	39.8	50.6	57.6	62.1	63.4	63.7	62.7	60.5	58.5	55.9	50.9					
VEHICLE UTHSIP 1000	1000	49.8	63.0	71.2	75.1	77.7	79.8	79.3	76.9	73.5	71.5	64.4					
CONFIG F.F.P 1250	1250	43.5	56.9	64.7	68.9	71.6	73.8	72.9	71.0	67.6	64.6	58.7					
LCC SCHEMECTADY 1600	1600	35.2	48.8	57.8	62.2	65.2	66.5	65.6	63.5	59.6	57.3	53.4					
PATE 779775 2000	2000	40.3	55.7	65.0	69.2	70.9	71.7	70.6	68.4	64.3	62.5	59.5					
RUP 36/8 2500	2500	34.4	50.7	60.5	64.1	66.0	67.4	67.0	64.1	60.3	57.6	55.1					
TAPE 3150	3150	33.7	52.0	62.1	67.1	69.1	70.1	69.1	66.5	62.4	59.4	57.7					
FAN TIP SPEED 4000	4000	24.7	45.5	57.1	63.1	66.1	66.6	66.4	64.6	59.6	56.4	53.5					
1000. FT/SEC 5000	5000	18.5	42.8	54.5	60.6	63.7	64.2	64.6	62.5	56.8	52.8	50.6					
6000	6000	7.7	36.4	49.7	57.0	60.3	62.0	60.6	60.1	53.7	49.5	46.9					
8000	8000		25.8	43.1	51.4	55.6	57.3	56.7	55.6	49.4	44.0	41.6					
10000	10000		13.3	33.9	44.3	49.7	51.5	51.6	50.3	43.7	37.4	34.2					
OVERALL CALCULATED		59.5	69.4	76.3	79.5	81.5	82.9	82.2	80.1	76.7	74.5	70.0					
PND8		63.4	77.1	85.9	90.3	92.3	93.2	92.3	90.2	86.3	83.8	80.5					

50	51.0	57.2	62.4	64.3	64.6	63.9	64.4	64.3	62.4	62.3	61.0						
63	56.3	63.8	66.7	67.7	69.2	69.6	69.6	68.9	66.1	65.0	62.6						
SIDELINE 200. FT. (60.96 M)	80	59.3	66.3	69.3	70.1	70.4	70.7	71.5	71.6	69.8	67.9	65.4					
100	63.2	69.3	72.9	73.2	72.6	71.6	70.9	70.8	69.7	68.1	67.0						
125	62.2	69.1	73.3	74.1	75.5	75.3	73.8	72.5	70.2	68.0	66.6						
160	59.3	68.1	72.6	73.0	73.1	72.5	71.8	70.7	68.6	66.7	64.1						
200	61.8	69.6	73.5	73.9	74.8	73.6	72.2	70.1	68.5	65.9	65.8						
250	61.1	70.4	74.8	76.5	76.2	75.3	73.9	72.0	69.5	66.8	64.4						
315	59.8	70.1	74.9	75.4	74.8	73.9	72.3	71.2	67.9	65.2	61.6						
400	60.8	69.6	74.2	75.2	74.9	73.6	72.5	71.2	68.9	65.6	62.0						
500	58.8	66.6	71.3	73.6	73.6	72.2	70.4	68.8	66.8	64.5	61.2						
630	53.9	63.5	68.8	71.2	71.7	72.1	70.3	68.8	66.3	63.4	58.6						
800	55.0	64.6	69.9	73.3	74.0	74.0	72.7	70.4	68.4	65.8	61.0						
1000	65.7	77.5	83.9	86.6	88.6	90.3	89.6	87.1	83.6	81.7	74.8						
1250	60.4	72.0	77.8	80.8	82.8	84.6	83.4	81.4	77.9	75.0	69.2						
1600	53.3	64.7	71.4	74.5	76.8	77.6	76.4	74.2	70.2	68.0	64.2						
2000	59.7	72.4	79.2	81.9	82.9	83.1	81.7	79.4	75.2	73.5	70.6						
2500	55.4	68.3	75.3	77.3	78.4	79.2	78.4	75.4	71.5	68.9	66.6						
3150	57.3	70.9	77.8	81.0	82.0	82.4	81.0	78.2	74.0	71.1	69.6						
4000	52.2	66.4	74.1	78.1	79.8	79.8	79.0	77.0	71.9	68.8	66.1						
5000	48.3	64.7	72.3	76.1	78.0	77.8	77.1	75.3	69.5	65.5	63.7						
6300	44.1	61.8	69.9	74.4	76.1	76.8	74.9	74.1	67.6	63.4	61.1						
8000	35.7	56.3	66.7	71.6	73.8	74.2	72.8	71.3	65.0	59.7	57.8						
10000	25.2	51.0	62.4	68.3	71.0	71.2	70.3	68.5	61.8	55.6	52.9						
OVERALL CALCULATED		72.9	83.0	89.9	91.4	92.8	93.7	92.8	90.6	86.9	84.7	80.2					
PND8		81.6	94.2	100.8	103.7	104.8	105.2	103.9	101.6	97.6	94.7	92.2					

Run 36/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.6																		
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. 1AV)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL	
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. 10. 20. 30. 40.)							
RADIAL 17. FT.																				
(5. M)																				
VEHICLE UTHSIN		100	73.1	73.0	69.8	67.4	65.3	65.0	68.3	69.5	71.0	70.6	71.1	69.6						103.4
CONFIG 6.0E/M		125	79.8	79.5	78.0	77.1	76.8	75.3	74.3	73.8	74.8	73.1	72.6	72.9						108.6
LCC SCHENECTADY		160	79.1	79.0	75.8	77.4	76.8	75.8	74.0	73.8	73.5	71.8	72.3	72.1						108.2
DATE 7/9/75		200	80.6	82.2	82.3	81.1	79.8	80.0	79.0	79.0	77.8	74.8	73.0	71.9						112.1
RPT 36/10		250	86.8	86.0	85.0	84.4	83.3	82.0	80.7	80.8	80.7	78.8	77.5	75.3						114.9
TAPE		315	96.3	90.5	89.0	88.6	86.3	84.0	82.2	81.0	80.5	78.8	77.8	76.9						117.4
BAR 29.5 HG		400	90.8	91.8	90.3	90.4	89.8	88.8	87.5	84.8	83.5	80.6	77.0	79.1						120.2
(99590. 1/M ²)		500	87.3	88.5	88.6	88.6	86.6	84.5	83.0	81.3	80.5	77.8	76.0	73.9						117.2
TAP 69. DEG F		630	89.3	91.5	92.1	92.2	90.8	89.1	87.5	84.6	82.3	80.6	79.3	75.9						120.8
(294. DEG K)		800	90.1	90.6	91.3	91.9	91.6	89.3	87.5	85.3	83.3	80.1	77.5	75.1						120.9
T-ET 68. DEG F		1000	89.1	89.3	89.3	91.1	90.6	88.3	86.5	83.6	82.0	79.1	76.5	73.4						119.8
(293. DEG K)		1250	90.3	91.6	91.1	92.2	91.3	89.6	88.2	85.9	84.1	81.6	78.3	76.1						121.4
NACTIC.98 GM/MS		1600	89.4	89.1	88.3	88.2	89.1	88.5	86.5	84.4	82.9	80.7	77.5	74.4						119.3
(0.01698 MG/MS)		2000	86.6	86.6	86.1	87.4	86.6	91.0	90.2	89.1	89.1	83.7	80.0	76.7						121.2
NFA 11294. RPM		2500	87.6	87.3	88.0	88.2	89.8	90.2	90.7	89.1	86.9	84.0	80.3	75.7						121.4
(1245. RAD/SEC)		3150	96.6	96.3	97.3	97.9	97.8	97.4	97.9	95.9	93.9	89.5	88.5	83.4						129.0
NFK 11781. RPM		4000	98.5	98.5	99.4	100.9	100.2	100.6	100.5	98.3	96.6	92.2	91.1	85.6						131.7
(1233. RAD/SEC)		5000	88.4	89.9	89.6	91.8	91.2	90.8	89.5	88.5	85.3	81.9	79.5	76.8						121.8
NFE 11517. RPM		6300	94.4	94.7	96.1	96.2	95.1	94.5	93.4	93.2	89.8	85.7	83.7	80.5						126.2
(1266. RAD/SEC)		8000	95.7	96.3	96.9	97.8	96.2	95.7	94.1	94.5	90.9	86.9	84.4	81.9						127.5
NO. OF BLADES 18		10000	95.3	95.6	96.0	96.8	96.4	95.8	94.3	93.0	90.4	85.6	82.3	80.6						127.1
FAI. TIP SPEED		12500	92.5	93.3	93.4	94.3	94.3	93.3	92.3	90.2	88.4	83.0	79.3	78.1						125.0
1038. FT/SEC		16000	91.9	91.6	92.1	93.4	92.6	92.1	90.4	88.5	87.4	80.9	76.9	75.8						123.9
		20000	96.5	90.9	91.0	91.5	91.6	90.6	88.9	87.2	85.5	79.1	74.9	73.4						122.9
		25000	88.2	88.7	88.3	89.4	89.7	88.4	87.0	85.2	83.1	77.1	71.5	70.4						121.4
		31500	86.7	85.5	86.4	87.4	88.1	86.3	84.7	83.6	81.0	74.3	68.4	66.4						120.3
		40000	81.7	81.6	82.1	83.1	82.9	81.9	80.7	78.5	76.6	69.6	63.2	61.3						117.2
		50000	75.4	76.6	77.0	77.9	77.6	76.1	76.1	73.5	72.7	65.2	59.8	58.0						113.9
		63000	69.1	69.2	69.5	70.7	69.9	68.7	69.8	66.9	66.5	64.1	58.5	59.1						110.4
		80000	60.8	60.9	60.2	70.4	69.9	70.2	70.6	70.1	71.0	67.7	60.8	65.5						115.6
OVERALL MEASURED																				
OVERALL CALCULATED		105.7	106.0	106.5	107.3	106.8	106.3	105.6	104.0	101.8	97.7	95.8	92.2						132.9	
PWB		119.1	119.3	119.8	120.8	120.3	120.2	119.7	117.9	115.9	112.1	110.5	106.2							

Run 36/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 25 HR. 3.6

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DRY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
		FREQ. (0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
		10.	17.	35.	52.	70.	87.	105.	122.	140.	157.	175.	192.	0.	10.	10.	10.	10.	
	50	41.5	45.9	51.9	54.0	54.7	54.1	54.6	54.8	53.2	53.6	53.0							
	63	44.6	51.9	55.3	56.7	56.7	58.9	59.7	58.9	56.0	54.2	52.5							
SIDELINE 500. FT.	80	47.1	54.1	58.1	59.8	60.4	60.4	61.2	61.4	59.8	58.4	55.8							
(152.40 M)	100	50.9	57.6	62.0	62.6	62.2	61.7	61.3	61.2	59.7	58.5	57.1							
NFA JJ50. RPM	125	51.4	56.4	63.4	65.8	66.7	66.7	64.8	64.0	61.2	58.6	59.1							
(351. RAD/SEC)	160	47.4	56.1	61.2	62.2	62.1	61.9	61.1	60.8	58.3	56.3	53.7							
NFA JJ16. RPM	200	49.6	59.0	64.3	66.1	66.4	66.2	64.2	62.4	60.8	59.4	55.5							
(347. RAD/SEC)	250	48.5	57.7	63.6	66.5	66.4	66.0	64.7	63.2	60.1	57.4	54.5							
NFA JJ24. RPM	315	45.6	55.1	62.4	65.2	65.1	64.7	62.7	61.7	58.9	56.2	52.5							
(340. RAD/SEC)	400	46.8	56.2	63.0	65.6	67.2	66.2	64.7	63.5	61.2	57.7	55.0							
AIRFLOW RATIO	500	43.3	52.7	59.5	63.0	64.7	64.1	63.0	62.0	60.0	56.7	53.0							
NFA/AM 12.60	630	39.6	49.7	57.2	63.0	65.8	67.6	67.5	65.0	62.8	58.9	55.0							
	800	48.0	60.1	67.1	70.8	72.9	74.9	73.9	72.5	68.3	67.1	61.5							
VEHICLE UTHSIM	1000	48.7	61.4	69.5	72.7	75.6	77.2	76.0	74.9	70.7	69.5	63.3							
CONFIG E.F./M	1250	38.5	50.6	59.7	63.1	65.3	65.8	65.9	63.3	60.1	57.5	54.2							
LGC SCHEMECTADY	1600	41.1	55.9	63.2	66.4	68.6	69.2	70.1	67.4	63.5	61.3	57.5							
DATE 7/9/75	2000	40.3	55.3	64.0	66.8	69.2	69.5	71.0	68.1	64.3	61.6	58.4							
PUN 36/10	2500	37.0	53.2	62.1	66.5	68.8	69.2	69.1	67.2	62.6	59.2	56.7							
TAPE	3150	30.6	46.6	58.3	63.4	65.5	66.6	65.8	64.7	59.5	55.5	53.7							
FAN TIP SPEED	4000	22.8	44.4	55.6	60.3	63.3	63.7	63.2	62.9	56.7	52.4	50.8							
1038. FT/SEC	5000	18.7	41.8	52.8	58.7	61.3	61.9	61.6	60.8	54.6	50.1	47.9							
	6300	6.1	34.1	47.4	54.5	57.2	58.5	58.3	57.0	51.3	45.4	43.5							
	8000		24.5	40.5	49.1	52.2	53.6	54.4	52.9	46.5	40.2	37.2							
	10000		9.5	29.4	39.0	43.0	46.3	46.3	46.0	39.0	32.3	29.1							
OVERALL CALCULATED		59.3	69.1	75.9	79.3	81.0	81.9	81.3	79.8	76.0	74.1	70.0							
	PNDR	63.1	76.9	85.3	89.3	91.5	92.0	91.8	90.1	85.8	82.8	79.6							

	50	52.0	55.7	60.9	62.6	63.1	62.4	62.9	63.0	61.4	61.8	61.2						
	63	55.3	62.0	64.5	65.5	67.2	67.3	68.1	67.2	64.4	62.5	60.9						
SIDELINE 200. FT.	80	58.1	64.5	67.6	68.8	69.1	69.6	69.7	70.1	68.3	66.9	64.3						
(60.96 M)	100	62.2	68.3	71.7	71.7	71.1	70.4	69.9	69.8	68.2	67.1	65.7						
	125	63.0	69.4	73.3	75.1	75.7	75.6	73.6	72.7	69.9	67.3	67.0						
	160	59.3	67.4	71.4	71.7	71.4	71.0	70.0	69.7	67.1	65.2	62.6						
	200	61.8	70.6	74.7	75.9	75.8	75.4	73.2	71.4	69.8	68.4	64.5						
	250	60.6	69.6	74.3	76.5	75.9	75.3	73.9	72.3	69.2	66.5	63.7						
	315	58.6	67.4	73.4	75.4	74.8	74.2	72.1	70.9	68.1	65.4	61.8						
	400	60.3	68.8	74.2	76.0	77.2	75.8	74.2	72.9	70.6	67.1	64.5						
	500	57.3	65.8	71.1	73.6	74.8	74.0	72.7	71.6	69.6	66.3	62.7						
	630	54.2	63.2	69.1	74.0	77.2	77.6	77.3	74.8	72.5	68.7	64.9						
	800	63.2	74.1	79.4	82.0	83.5	85.2	84.0	82.4	78.2	77.0	71.5						
	1000	64.7	75.9	82.1	84.3	86.5	87.7	86.3	85.0	80.8	79.6	73.6						
	1250	55.3	65.7	72.8	75.0	76.5	76.5	76.4	73.6	70.4	67.9	64.7						
	1600	59.1	71.8	76.9	78.7	80.1	80.3	80.9	78.1	74.1	71.9	68.3						
	2000	59.7	72.1	78.2	79.6	81.1	80.9	82.1	79.1	75.2	72.5	69.5						
	2500	58.0	70.7	76.9	79.7	81.1	81.0	80.6	78.5	73.8	70.4	68.2						
	3150	54.3	67.4	74.0	77.3	78.4	78.8	77.7	76.4	71.1	67.3	65.8						
	4000	50.3	65.2	72.6	75.3	77.0	76.8	75.8	75.3	69.0	64.8	63.2						
	5000	48.5	63.8	70.6	74.3	75.5	75.4	74.7	73.6	67.3	62.9	60.9						
	6300	42.5	59.5	67.6	71.9	73.0	73.3	72.5	71.0	65.2	59.4	57.7						
	8000	34.4	55.0	64.2	69.3	70.3	70.5	70.6	68.6	62.1	56.0	53.4						
	10000	21.6	47.3	58.0	62.9	65.1	66.0	65.1	64.3	57.1	50.5	47.9						
OVERALL CALCULATED		72.8	82.8	89.3	90.6	92.0	92.6	91.8	90.1	86.1	84.1	80.1						
	PNDR	81.5	93.6	99.7	102.4	103.7	103.7	103.1	101.3	96.9	93.8	91.0						

Run 36/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM													PROC. DATE - MONTH 7 DAY 29 HR. 3.0		
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150.)													0. 0. 0. 0. 0. PNL		
RADIAL 17. FT.															
VEHICLE (5. H)	100	69.6	69.3	68.8	74.8	65.1	65.3	67.5	69.0	70.0	70.1	70.1	69.1	104.4	
VEHICLE UTMSIM	125	78.3	78.0	77.3	80.9	75.8	74.5	73.8	73.3	74.0	71.5	72.1	72.4	100.6	
COEFFIC D.S./H	160	77.8	76.5	75.8	80.9	77.1	75.5	74.3	74.0	73.3	71.8	72.6	71.9	100.7	
LGC SCHEMECTASY	200	81.8	85.3	84.3	82.6	81.3	82.5	80.3	81.5	79.8	77.5	73.8	73.8	114.1	
DATE 7/9/75	250	86.5	86.0	85.3	84.8	83.1	81.8	81.5	81.0	80.5	78.8	77.3	75.1	115.0	
RUN 36/11	315	90.1	89.5	88.5	87.1	86.1	84.0	82.0	80.0	79.5	78.5	77.3	76.6	116.9	
TAFIC	410	93.1	93.0	91.8	90.4	92.1	91.8	90.8	87.6	85.5	82.1	81.5	80.6	122.4	
CAF 20.5 FG	510	88.6	89.3	89.3	89.1	87.6	85.5	84.3	81.8	80.8	77.8	76.5	74.8	117.9	
(99590. N/M2)	630	92.1	94.0	94.6	92.7	93.6	92.1	90.8	87.8	86.0	81.6	80.6	79.1	123.3	
TAFB 69. DEG F	600	92.8	92.9	93.3	92.6	93.3	92.3	90.0	87.8	85.0	82.6	79.0	72.1	122.9	
(294. DEG K)	1000	90.8	91.5	91.8	91.9	92.3	90.0	89.0	87.1	85.0	82.6	80.0	76.6	121.8	
TAFI 68. DEG F	1200	91.6	91.1	93.1	92.7	92.8	91.8	91.7	89.4	85.8	86.1	82.8	78.4	123.4	
(293. DEG K)	1600	93.6	92.8	90.1	90.4	91.4	90.3	89.0	86.9	85.4	82.9	80.3	77.9	121.3	
FACT16.98 GM/M3	2000	85.6	89.3	88.8	89.4	92.1	92.8	91.7	89.9	87.4	85.5	82.5	78.4	122.9	
(.01698 KG/M3)	2500	84.6	90.3	89.5	89.4	93.6	94.7	94.7	93.1	90.6	89.0	86.5	80.2	125.3	
NFA 12257. RPM	3150	95.3	98.1	95.3	97.0	96.0	96.2	96.9	94.9	91.9	88.0	86.7	82.4	126.0	
(12257. RAD/SEC)	4000	101.3	105.7	102.7	100.9	105.0	102.3	104.0	102.3	98.3	94.4	93.4	90.1	134.9	
NFK 12141. MPH	5000	98.7	92.2	91.8	92.8	92.7	91.8	91.5	90.2	88.0	83.6	82.0	78.3	123.5	
(1271. RAD/SEC)	6300	93.4	94.4	94.1	96.5	94.4	93.5	92.7	92.2	89.1	85.2	82.7	80.0	125.5	
NFI 11517. RPM	8000	97.4	98.3	97.6	98.3	97.7	96.7	95.6	95.2	93.2	89.1	86.4	83.9	120.7	
(1206. RAD/SEC)	10000	94.8	95.6	94.5	96.8	95.4	94.6	93.5	92.7	90.1	85.6	82.6	80.3	126.5	
NO. OF BLADES 18	12500	93.3	94.3	93.4	95.5	94.0	93.5	92.8	91.5	90.2	85.0	81.3	78.9	125.6	
FAN TIP SPEED	16000	91.9	92.1	92.4	94.2	92.4	92.1	90.4	90.0	88.7	82.2	77.9	76.1	124.3	
1070. FT/SEC	20000	91.8	90.9	90.2	92.3	91.1	90.1	88.7	87.7	86.0	80.3	75.6	73.4	122.9	
	25000	89.0	88.2	88.1	90.6	88.7	87.9	87.0	86.5	84.1	78.1	73.0	70.4	121.6	
	31500	87.5	89.5	86.2	90.4	87.1	86.3	84.7	83.6	81.3	75.8	69.1	65.7	120.8	
	40000	81.7	81.8	81.6	87.1	82.7	81.4	79.9	79.0	77.9	70.8	64.5	61.8	118.0	
	50000	76.1	76.4	76.5	86.9	76.8	75.6	75.8	74.0	73.2	66.2	60.3	58.0	116.9	
	63000	68.9	69.0	69.0	83.2	69.1	69.2	69.3	68.9	68.3	64.4	58.2	58.6	115.1	
	80000	69.8	69.8	69.2	90.4	69.9	70.2	70.8	70.1	71.0	67.7	60.8	63.3	125.2	
OVERALL MEASURED														119.5	
OVERALL CALCULATED		106.7	109.1	107.5	107.9	108.7	107.2	107.5	105.9	103.0	99.3	97.4	94.2		
PNDR		120.7	123.8	121.8	121.2	123.4	121.6	122.3	120.6	117.4	113.9	112.4	100.2		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
(10.)	(10.17)	(10.35)	(10.52)	(10.70)	(10.87)	(11.05)	(11.22)	(11.40)	(11.57)	(11.75)	(11.92)	(12.10)	(12.27)	(12.45)	(12.62)	(12.80)	(12.97)
50	39.6	45.9	55.4	54.2	54.4	54.3	54.9	54.6	53.2	53.8	52.7						
63	47.1	53.9	56.8	58.2	61.2	60.1	62.2	60.9	58.8	54.9	54.3						
SIDELINE 500. FT. (152.40 M)	47.1	54.4	58.3	59.6	60.2	61.1	61.5	61.4	59.8	58.2	55.5						
NFA 3452. RPP	50.1	57.1	61.5	62.3	62.2	61.4	60.3	60.2	59.4	58.0	56.8						
(361. RAD/SEC)	52.7	59.9	63.4	68.0	69.7	69.9	67.6	66.0	62.7	62.1	63.6						
NPK 3420. RPP	48.1	56.8	61.7	63.2	63.1	63.2	61.6	61.1	58.3	56.8	54.4						
(353. RAD/SEC)	52.1	61.5	64.8	66.9	69.4	69.5	67.4	66.1	61.8	60.7	58.7						
NPD 3244. RPP	49.2	59.7	64.4	68.3	69.4	68.5	67.2	64.9	62.6	58.9	56.5						
(340. RAD/SEC)	47.6	57.6	63.2	66.9	66.6	67.2	66.2	64.7	62.4	59.7	55.7						
AIPFLCH RATIO	46.3	58.2	63.5	67.1	68.2	69.7	68.2	65.2	65.7	62.2	57.3						
WF/M 12.60	45.1	54.5	60.8	65.2	66.4	66.6	65.5	64.5	62.3	59.5	56.5						
	42.4	52.5	59.2	65.5	66.6	69.1	68.2	66.3	64.5	61.4	56.8						
VEHICLE UTRC/M	49.8	58.1	67.1	69.8	71.6	73.9	72.9	70.5	67.8	65.3	63.5						
1000	56.3	64.6	69.5	72.5	77.4	80.7	80.0	76.7	73.0	71.7	67.8						
CONFIG F.P/M	40.7	52.8	60.7	64.6	68.3	67.8	67.6	66.0	63.1	60.4	55.7						
LOC SCHEMECTARY	40.8	53.9	63.5	65.7	67.6	68.5	69.1	66.7	63.0	60.3	57.0						
DATE 7/5/75	42.3	56.1	64.5	68.3	70.2	71.0	71.8	70.4	66.5	63.6	60.4						
RUN 36/11	37.0	51.7	62.1	65.5	67.6	68.5	68.9	67.0	62.6	59.4	56.5						
TAPE	31.6	48.6	59.6	63.1	65.8	67.1	67.1	66.5	61.5	57.5	54.4						
FAP. TIP SPEED	23.3	44.7	56.3	60.1	63.3	63.7	64.7	64.1	57.9	53.4	50.8						
1070. FT/SEC	18.7	41.0	53.6	58.2	60.6	61.7	62.1	61.3	55.9	50.9	47.9						
6300	5.6	33.9	48.7	53.5	56.7	58.5	59.5	58.0	52.3	46.9	43.5						
8000		24.3	43.5	48.1	52.2	53.6	54.4	53.1	48.0	41.0	37.5						
10000		9.0	33.4	39.7	43.3	45.5	46.8	47.0	40.3	33.5	29.6						
OVERALL CALCULATED	61.5	70.5	76.2	81.1	82.0	83.9	83.3	80.8	77.6	75.5	72.0						
PNR	67.0	77.9	85.9	90.3	91.7	93.3	92.9	91.2	87.4	84.5	81.0						

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50	49.5	55.7	64.4	62.8	62.8	62.6	63.1	62.8	61.4	62.1	61.0						
63	57.8	64.0	66.0	67.0	69.7	68.8	70.6	69.2	67.1	63.2	62.6						
SIDELINE 200. FT. (60.96 M)	58.1	64.8	67.5	66.6	68.9	69.7	70.0	69.9	68.3	66.6	64.0						
100	61.4	67.8	71.2	71.5	71.1	70.1	68.9	68.8	68.0	66.6	65.5						
125	64.2	70.9	73.3	77.4	78.7	78.8	76.3	74.7	71.4	70.8	69.4						
160	69.0	68.1	71.9	72.7	72.4	72.2	70.5	69.9	67.1	65.7	63.3						
200	64.3	73.1	75.2	78.6	78.8	78.6	76.5	75.1	70.8	69.6	67.8						
250	61.8	71.6	75.1	78.3	78.9	77.8	76.4	74.0	71.7	68.0	65.7						
315	60.8	69.9	74.1	77.1	76.6	76.7	75.6	73.9	71.6	68.9	65.1						
400	61.8	70.6	74.7	77.5	78.2	79.3	77.7	74.7	75.1	71.6	66.8						
500	59.0	67.6	72.3	75.9	76.6	76.5	75.2	74.1	71.8	69.0	66.2						
630	56.9	66.0	71.1	76.5	76.9	79.1	78.1	76.0	74.3	71.2	66.6						
800	65.0	72.1	79.4	81.0	82.2	84.2	83.0	80.4	77.7	75.3	70.5						
1000	72.0	79.2	82.1	89.0	88.3	91.2	90.3	86.8	83.1	81.9	78.1						
1250	57.6	68.8	73.8	78.5	77.5	78.5	76.1	76.4	73.4	70.8	66.2						
1600	58.9	69.8	77.1	78.0	79.1	79.6	79.9	77.3	73.6	70.9	67.8						
2000	61.7	72.8	78.7	81.1	82.1	82.4	82.9	81.3	77.4	74.5	71.5						
2500	58.0	69.2	76.9	78.7	79.9	80.2	80.3	78.2	73.8	70.7	67.9						
3150	55.3	67.4	75.3	77.0	78.7	79.3	79.0	78.2	73.1	69.3	66.3						
4000	50.8	65.5	73.4	75.0	77.0	76.8	77.3	76.5	70.2	65.8	63.4						
5000	48.5	63.0	71.4	73.8	75.0	75.2	75.2	74.1	68.6	63.7	60.9						
6300	42.0	59.2	68.8	70.9	72.5	73.3	73.8	72.0	66.2	60.9	57.7						
8000	34.4	54.8	67.2	68.3	70.3	70.5	70.6	68.9	63.6	56.7	53.6						
10000	21.6	46.8	62.0	62.7	64.6	65.2	65.6	65.3	58.4	51.6	48.4						
OVERALL CALCULATED	75.7	84.0	88.7	92.5	92.9	94.4	93.6	91.1	87.7	85.5	82.0						
PNR	84.0	94.0	100.2	102.7	103.7	104.5	104.0	102.3	98.4	95.3	92.2						

Run 39/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM													PROC. DATE - MONTH 7 DAY 25 HR. 3.0				
MODEL SOUND PRESSURE LEVELS 159, DEG. F., 70 PERCENT REL. HUM, DAY)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. Pm)																	
FREQ. (0. 10. 17. 25. 35. 45. 55. 65. 75. 85. 95. 105. 0. 0. 0. 0. 0. 1)																	
RADIAL 17. FT.																	
(5. H)																	
VEHICLE	100	68.8	68.3	67.5	67.1	65.1	65.4	68.2	69.8	70.9	71.1	71.9	102.8				
UTNSIM	125	76.9	77.5	76.0	75.4	73.6	73.4	72.4	72.5	72.7	72.6	71.7	106.5				
CONFIG	160	78.3	74.5	73.8	76.1	75.1	73.6	72.2	71.0	70.4	68.4	68.4	105.5				
LCC SCHEMECTARY	250	77.3	79.5	79.5	79.8	77.6	77.4	77.2	76.5	74.7	71.6	70.4	109.3				
SATE 7/16/75	250	84.5	83.8	83.0	83.1	81.1	80.1	80.2	80.5	79.7	77.8	77.2	113.5				
PHN 39/4	315	67.1	67.5	66.5	66.4	63.6	61.9	60.2	60.5	79.4	76.1	77.2	115.2				
TAPE	400	83.1	83.0	82.5	83.1	81.3	79.9	78.2	76.0	73.7	72.1	70.7	111.7				
GAP 30.0 HG	500	62.6	62.6	62.6	63.1	60.6	58.6	77.7	76.1	74.2	72.6	71.9	111.4				
(01212. N/R2)	530	67.5	67.6	67.8	68.2	66.1	65.1	62.7	61.3	78.7	76.1	74.7	116.6				
TAMB 83. DEG F	600	65.6	68.5	68.6	69.4	67.3	65.9	63.4	61.4	79.5	77.4	75.2	117.6				
(301. DEG K)	1000	67.1	67.3	65.6	66.4	64.3	62.0	60.9	77.8	75.7	73.6	70.7	114.6				
TNET 76. DEG F	1250	64.5	64.6	63.8	63.7	61.4	79.9	78.2	75.9	73.5	71.2	68.7	112.8				
(296. DEG F)	1600	79.9	80.8	80.1	79.7	76.4	75.6	73.6	71.4	68.5	67.2	65.2	107.8				
MACT20.16 G/M3	2000	89.4	90.6	92.5	94.0	90.1	91.6	88.6	86.4	84.5	81.3	76.2	121.9				
(02016 KG/M3)	2500	83.1	84.1	85.5	86.5	82.9	82.0	80.4	76.1	76.1	73.0	69.6	114.1				
NFA 7109. RPM	3150	81.3	82.5	82.3	82.4	80.3	77.5	74.6	71.6	69.1	68.5	65.3	110.1				
(744. RAD/SEC)	4000	90.0	91.0	91.4	91.4	87.5	84.4	82.5	79.3	76.2	72.7	73.8	116.1				
NFK 6950. RPM	5000	87.5	88.9	88.6	88.3	85.9	83.1	79.6	76.2	73.5	71.2	70.4	115.9				
(728. RAD/SEC)	6300	90.9	92.2	92.4	92.7	89.9	87.4	84.4	80.7	76.8	75.3	73.8	120.1				
NFE 11517. RPM	6000	90.7	91.6	92.4	92.6	89.4	86.0	85.6	82.3	77.9	74.9	73.5	120.4				
(1206. RAD/SEC)	10000	90.1	91.6	92.0	92.5	89.5	86.4	87.0	83.7	78.2	74.6	73.2	120.6				
NO. OF BLADES 16	12500	88.8	89.9	89.6	90.8	89.0	87.6	86.2	82.8	77.9	73.5	71.9	119.4				
FAN TIP SPEED	16000	87.9	88.4	88.2	91.0	88.4	87.3	85.9	83.2	78.6	73.0	71.3	119.5				
621. FT/SEC	20000	85.8	87.2	87.3	88.5	87.4	86.4	84.3	81.9	77.0	69.9	67.5	118.5				
	25000	83.5	84.2	84.3	85.9	85.0	84.0	82.0	78.5	73.3	68.4	64.1	116.5				
	31500	81.7	82.9	82.1	83.9	83.1	82.7	80.4	77.1	70.9	63.8	60.0	115.7				
	40000	78.4	78.7	77.5	80.9	78.9	77.9	76.3	73.2	67.8	58.8	56.8	113.0				
	50000	74.3	74.3	74.3	76.5	73.5	72.4	71.7	67.4	63.4	56.7	56.6	110.1				
	63000	68.3	68.4	67.4	71.1	67.3	65.0	64.4	61.8	59.9	56.3	56.0	106.7				
	80000	69.8	69.7	68.5	71.6	69.6	62.3	60.8	60.3	60.9	58.0	54.6	111.9				
OVERALL MEASURED																	
OVERALL CALCULATED		103.3	101.6	101.9	102.5	100.0	98.9	96.7	94.3	91.3	88.4	86.6	131.9				
PNB		112.7	113.5	113.8	113.3	111.0	110.4	107.9	105.6	103.3	100.5	97.9					

Run 39/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. LAY)																																		
ANGLES FROM INLET IN DEGREES (AND RADIANS)																																		
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.												
FREQ.	10.	110.	171.	235.	302.	370.	439.	509.	580.	652.	725.	800.	877.	955.	1035.	1117.	1201.	1287.	1375.	1465.	1557.	1651.	1747.											
SIDELINE 500. FT. (152.40 M)	50	37.9	43.9	50.5	52.2	52.5	52.2	51.9	51.7	49.8	49.7	63	41.4	49.2	53.8	54.4	56.0	57.0	57.2	55.8	52.8	51.5	80	44.6	52.1	56.3	57.8	58.5	59.8	61.0	60.6	58.9	58.1	
NFA 2002. RPM (210. RAD/SEC)	100	47.9	55.1	59.7	59.8	60.0	59.6	60.8	60.1	59.0	57.9	125	42.7	50.6	56.1	57.3	57.9	57.4	56.1	54.2	52.8	51.2	160	41.6	50.1	55.7	56.2	56.6	55.9	54.5	53.1	52.2		
NFR 1958. RPM (205. RAD/SEC)	200	45.8	54.8	60.3	61.4	62.5	61.4	60.9	58.8	56.4	54.8	250	45.7	55.0	61.1	62.3	63.0	61.9	61.2	59.3	57.4	55.1	315	43.3	51.3	57.7	58.9	59.4	59.1	57.0	55.4	53.5	50.3	
NFR 3244. RPM (340. RAD/SEC)	400	39.8	48.9	54.5	55.6	56.3	56.1	54.7	52.9	50.8	48.1	500	36.3	46.2	51.3	52.2	53.3	53.1	52.5	50.5	48.1	45.6	630	43.9	52.2	63.7	63.6	67.4	66.0	64.7	63.5	60.4	55.1	
AIRFLOW RATIO	500	35.5	48.4	55.6	55.8	58.2	57.4	56.2	54.7	51.9	48.2	600	32.8	44.2	51.0	52.8	52.5	51.2	49.3	47.4	45.0	43.7	VEHICLE UT+SIM	1000	32.8	44.2	51.0	52.8	52.5	51.2	49.3	47.4	45.0	43.7
WF/AN 12.00	630	35.5	48.4	55.6	55.8	58.2	57.4	56.2	54.7	51.9	48.2	800	32.8	44.2	51.0	52.8	52.5	51.2	49.3	47.4	45.0	43.7	CONFIG	1250	35.5	44.2	58.3	59.5	59.0	58.7	56.7	54.2	50.9	51.7
VEHICLE UT+SIM	1000	32.8	44.2	51.0	52.8	52.5	51.2	49.3	47.4	45.0	43.7	1600	35.3	48.3	55.1	57.2	57.1	55.4	53.1	51.0	48.9	48.0	LOC SCHEMECTADY	1600	35.3	48.3	55.1	57.2	57.1	55.4	53.1	51.0	48.9	48.0
CONFIG	1250	35.5	44.2	58.3	59.5	59.0	58.7	56.7	54.2	50.9	51.7	2000	36.1	50.7	58.8	60.4	60.8	59.6	57.1	53.9	52.6	50.9	DATE 7/16/75	2000	36.1	50.7	58.8	60.4	60.8	59.6	57.1	53.9	52.6	50.9
LOC SCHEMECTADY	1600	35.3	48.3	55.1	57.2	57.1	55.4	53.1	51.0	48.9	48.0	2500	32.9	49.5	57.8	60.4	60.9	60.4	58.3	54.6	51.9	50.3	RUN 39/4	2500	32.9	49.5	57.8	60.4	60.9	60.4	58.3	54.6	51.9	50.3
DATE 7/16/75	2000	36.1	50.7	58.8	60.4	60.8	59.6	57.1	53.9	52.6	50.9	3150	28.7	47.0	56.4	58.4	60.5	61.1	59.1	54.9	51.0	49.3	TAPE	3150	28.7	47.0	56.4	58.4	60.5	61.1	59.1	54.9	51.0	49.3
TAPE	3150	28.7	47.0	56.4	58.4	60.5	61.1	59.1	54.9	51.0	49.3	4000	20.7	41.5	52.6	56.4	58.4	59.2	57.1	53.0	48.9	47.0	FAN TIP SPEED	4000	20.7	41.5	52.6	56.4	58.4	59.2	57.1	53.0	48.9	47.0
FAN TIP SPEED	4000	20.7	41.5	52.6	56.4	58.4	59.2	57.1	53.0	48.9	47.0	5000	15.8	38.5	51.8	55.1	57.5	58.4	57.3	53.4	48.1	46.1	621. FT/SEC	5000	15.8	38.5	51.8	55.1	57.5	58.4	57.3	53.4	48.1	46.1
621. FT/SEC	5000	15.8	38.5	51.8	55.1	57.5	58.4	57.3	53.4	48.1	46.1	6300	3.9	32.4	46.0	51.5	54.6	55.1	54.3	50.3	43.5	43.8	8000	3.9	32.4	46.0	51.5	54.6	55.1	54.3	50.3	43.5	43.8	
8000	8000	3.9	32.4	46.0	51.5	54.6	55.1	54.3	50.3	43.5	43.8	10000		21.5	38.1	45.2	49.0	50.0	48.4	44.2	37.7	35.1	OVERALL CALCULATED	10000		21.5	38.1	45.2	49.0	50.0	48.4	44.2	37.7	35.1
OVERALL CALCULATED	10000		21.5	38.1	45.2	49.0	50.0	48.4	44.2	37.7	35.1	PNDR	54.8	64.4	70.8	71.9	73.3	72.8	71.8	69.9	67.6	65.6	PNDR	54.8	64.4	70.8	71.9	73.3	72.8	71.8	69.9	67.6	65.6	
PNDR	54.8	64.4	70.8	71.9	73.3	72.8	71.8	69.9	67.6	65.6	58.1	72.5	80.7	82.9	84.3	84.3	82.7	79.4	75.9	74.0				58.1	72.5	80.7	82.9	84.3	84.3	82.7	79.4	75.9	74.0	

Run 39/Reading 5

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT WEL. NUM. BAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	10.	10.	10.	10.	10.	10.
SIDELINE 500. FT. (152.40 M)	50	39.0	44.9	52.1	53.5	53.5	53.2	53.1	53.2	52.0	51.7					
NFA 2336. RPH (245. RAD/SEC)	63	42.6	50.7	55.3	55.7	57.5	58.5	58.7	57.0	54.9	53.5					
NFA 2284. RPH (239. RAD/SEC)	50	46.3	54.1	58.5	59.3	60.5	61.8	62.5	62.6	60.7	59.6					
NFA 2284. RPH (239. RAD/SEC)	100	50.4	57.6	62.2	62.6	62.5	62.6	63.0	62.9	62.2	59.9					
NFA 2284. RPH (239. RAD/SEC)	125	45.7	53.9	59.4	60.3	61.3	60.9	59.6	57.7	56.5	55.2					
NFA 2284. RPH (239. RAD/SEC)	160	43.6	52.1	57.2	58.2	58.5	58.1	57.4	56.7	55.1	53.7					
NFA 2284. RPH (239. RAD/SEC)	200	47.1	56.0	61.3	62.4	63.2	62.9	61.9	59.8	57.6	55.5					
NFA 2284. RPH (239. RAD/SEC)	250	49.7	57.2	62.0	64.1	65.2	64.9	63.5	61.8	59.7	57.8					
NFA 2284. RPH (239. RAD/SEC)	315	46.1	54.1	59.9	61.2	61.7	61.1	60.0	58.1	56.0	53.3					
NFA 2284. RPH (239. RAD/SEC)	400	42.1	51.7	57.0	59.3	59.8	58.8	57.2	55.7	53.0	51.1					
AIRFLOW RATIO NF/HI 12.60	500	35.5	47.5	53.3	53.2	54.5	54.6	52.9	50.2	48.4	47.1					
AIRFLOW RATIO NF/HI 12.60	630	46.2	62.2	65.3	65.1	68.6	67.5	65.3	61.5	60.1	59.3					
AIRFLOW RATIO NF/HI 12.60	800	35.8	47.9	53.5	54.8	55.2	54.6	53.2	50.4	48.6	47.0					
VEHICLE UTMSIM 1000	1000	35.5	47.4	54.2	56.0	55.7	54.9	53.1	51.1	48.5	47.1					
CONFIG A+S 1250	1250	40.5	54.3	61.0	62.9	62.4	60.9	59.6	58.5	55.4	52.9					
LOC SCHENECTADY 1500	1500	39.3	52.7	60.5	61.2	61.7	60.2	58.4	55.6	53.3	51.9					
DATE 7/16/75 2000	2000	39.1	53.9	62.3	64.3	64.5	63.9	62.0	59.1	56.3	54.2					
RUN 33/5 2500	2500	36.5	51.5	61.4	63.8	65.5	65.4	63.9	60.9	58.7	54.3					
TAPE 3150	3150	29.7	47.6	58.5	61.5	63.9	64.0	62.8	59.7	55.1	52.2					
FAN TIP SPEED 4000	4000	22.1	41.4	56.1	59.8	61.9	62.7	61.2	59.1	52.7	50.0					
FAN TIP SPEED 724. FT/SEC 5000	5000	19.0	42.0	54.5	59.0	61.9	63.1	62.4	59.2	52.7	49.3					
FAN TIP SPEED 6300	6300	4.9	33.1	47.4	53.2	56.8	57.6	55.8	52.7	46.1	42.6					
FAN TIP SPEED 8000	8000		23.3	41.3	45.4	52.6	53.5	53.4	49.5	42.0	37.1					
FAN TIP SPEED 10000	10000		8.8	30.6	38.9	43.8	46.1	44.8	42.9	34.0	29.1					
OVERALL CALCULATED		57.0	67.4	73.0	74.4	75.7	75.5	74.3	72.2	69.9	68.1					
PDR		60.7	75.2	83.0	86.0	87.6	87.6	86.2	83.5	79.6	77.2					

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. (60.96 M)	50	48.5	54.7	61.1	62.1	61.9	61.6	61.4	61.4	60.2	59.9					
	63	53.3	60.8	64.5	64.5	66.1	67.0	67.0	65.4	63.2	61.8					
	100	57.3	64.5	68.3	68.3	69.2	70.4	71.0	71.0	69.3	68.0					
	125	61.7	68.3	71.9	71.7	71.4	71.3	71.7	71.5	70.8	68.4					
	160	57.2	64.9	69.3	69.6	70.3	69.7	68.3	66.4	65.2	63.9					
	200	55.5	63.4	67.4	67.8	67.7	67.1	66.3	65.6	63.9	62.6					
	250	59.3	67.6	71.7	72.1	72.6	72.0	71.0	68.8	66.6	64.5					
	315	61.4	69.1	73.6	74.0	74.8	74.2	72.6	71.0	68.8	66.9					
	400	59.1	66.4	70.9	71.4	71.4	70.6	69.3	67.4	65.2	62.6					
	500	55.6	64.4	68.2	68.8	68.8	68.5	66.7	65.1	62.4	60.5					
	630	49.5	60.8	64.5	63.9	64.7	64.4	62.4	59.8	57.9	56.7					
	800	60.7	75.8	77.1	76.0	79.0	77.5	75.1	71.2	69.9	67.1					
	1000	51.0	61.9	65.9	66.0	65.8	64.9	63.2	60.4	58.5	56.9					
	1250	51.5	62.0	66.9	67.5	66.6	65.4	63.3	61.2	58.6	57.2					
	1600	57.6	69.5	74.0	74.8	73.8	71.7	70.1	68.8	65.7	63.3					
	2000	57.4	68.5	74.1	73.5	73.2	71.3	69.2	66.3	63.9	62.6					
	2500	58.5	70.5	76.5	77.1	76.5	75.3	73.2	70.0	67.3	65.2					
	3150	57.6	69.0	76.4	77.0	77.8	77.2	75.3	72.2	67.9	65.6					
	4000	53.3	66.5	74.3	75.6	76.8	76.3	74.7	71.4	66.7	63.9					
	5000	49.6	64.3	73.1	74.3	75.6	75.7	73.8	71.5	65.0	62.4					
	6300	48.8	64.0	72.4	74.6	76.2	76.6	75.4	72.0	65.4	62.1					
	8000	41.2	58.5	67.8	70.6	72.6	72.5	70.0	66.2	60.0	56.5					
	10000	33.6	53.8	64.9	65.5	70.7	70.4	69.5	65.3	57.7	52.8					
OVERALL CALCULATED		22.4	46.5	59.2	62.9	65.2	65.9	63.5	61.1	52.1	47.4					
PDR		70.4	81.0	85.7	86.3	87.1	86.5	84.9	82.5	79.5	77.6					
		79.9	91.8	97.4	99.2	100.0	99.5	97.9	95.0	90.8	88.4					

Run 39/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.0																
		MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0. 1(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(2. 1(0. 1(0. 1(0. 1(0. 1(0. 1																		
50																		
63																		
80																		
RADIAL 17. FT.																		
(5. M)																		
VEHICLE UT+SIM		150	70.8	70.5	69.5	69.1	66.3	67.5	70.3	72.0	73.2	75.6	73.6					105.4
CONFIG A+3		125	79.6	79.8	78.0	77.1	76.3	75.0	73.8	74.0	74.7	74.4	73.3					108.4
LGC SCHEMECTADY		160	79.6	77.8	76.3	79.6	78.3	76.8	74.8	74.5	74.4	75.4	71.8					109.1
DATE 7/16/75		200	79.3	81.3	82.0	81.4	79.6	79.5	79.3	78.8	77.2	75.3	72.5					111.0
RUN 39/6		250	87.3	86.5	85.8	86.1	83.8	83.3	83.0	82.5	82.7	81.6	79.3					110.3
TAPE		315	90.8	91.3	90.5	90.4	88.1	86.0	84.7	84.0	83.2	82.1	79.2					119.2
EAR 30.0 HG		400	88.1	88.3	88.0	88.6	86.8	85.3	84.0	82.1	79.7	78.9	76.0					117.3
(01212. 4/M2)		500	86.6	86.5	86.3	86.9	84.6	82.3	81.3	80.1	78.4	76.9	74.8					114.8
TANS 83. DEG F		630	89.1	89.3	89.1	89.9	87.6	86.1	84.8	82.8	80.5	77.9	75.6					118.1
(301. DEG K)		800	91.1	91.5	90.8	92.1	90.3	88.3	87.0	84.8	83.0	80.4	77.5					120.4
T-ET 75. DEG F		1000	89.8	89.3	88.3	88.9	87.1	85.8	83.5	81.6	79.0	76.6	73.5					117.4
(297. DEG K)		1250	87.4	87.1	87.3	86.9	84.6	82.6	81.2	78.9	77.5	75.2	72.1					115.3
HACT19.17 GM/M3		1600	82.6	82.6	81.4	82.5	79.4	77.3	76.0	74.4	72.5	71.0	68.5					110.3
(01917 KG/M3)		2000	89.4	81.6	80.5	82.5	79.4	77.8	76.0	73.9	71.8	69.3	67.3					110.0
HFA 9474. RPM		2500	94.1	95.3	93.3	91.7	91.9	88.0	86.7	84.1	82.1	79.8	77.5					121.2
(992. RAD/SEC)		3150	95.3	97.8	95.9	94.2	94.6	91.9	89.2	86.9	84.3	82.0	79.7					123.0
NFK 9262. RPM		4000	84.5	85.2	85.7	86.4	83.7	81.1	79.3	76.6	74.2	71.5	69.6					113.9
(970. RAD/SEC)		5300	90.7	91.2	90.6	92.3	88.7	86.3	84.2	81.0	78.2	75.7	74.6					119.2
NFD 11517. RPM		6300	93.1	93.7	93.9	95.0	91.6	89.5	87.4	83.9	81.5	79.3	77.0					122.2
(1206. RAD/SEC)		8000	94.7	95.6	95.7	96.1	93.7	91.9	89.4	86.3	83.1	80.2	77.9					124.1
NO. OF BLADES 18		10000	93.6	95.6	95.3	95.8	93.5	92.1	90.8	87.5	84.3	80.9	77.6					124.3
FAN TIP SPEED		12500	93.3	94.4	94.1	95.5	94.3	92.5	91.6	89.0	85.6	82.0	78.0					124.0
827. FT/SEC		16000	92.2	92.7	91.9	95.2	92.7	92.7	91.0	88.0	85.9	80.0	76.7					124.3
		20000	93.0	93.4	93.0	95.1	94.4	94.1	92.7	91.0	88.7	82.4	77.4					126.1
		25000	88.5	89.2	89.1	91.2	90.6	90.0	89.1	85.0	83.8	77.4	72.0					122.0
		31500	85.5	87.0	86.5	89.5	88.6	88.2	87.0	84.6	81.7	75.1	69.4					121.7
		40000	81.8	82.8	82.1	85.2	84.2	83.5	82.5	80.0	78.4	69.9	63.8					118.0
		50000	77.5	77.7	76.9	80.5	78.4	77.5	77.4	74.9	73.0	63.9	59.9					115.1
		63000	69.5	70.1	69.9	73.1	70.5	69.7	70.5	69.1	64.5	58.3	58.4					110.5
		80000	70.1	70.1	68.8	71.9	69.9	70.3	70.9	70.4	61.2	58.3	60.8					114.4
OVERALL MEASURED																		
OVERALL CALCULATED		104.8	105.8	104.9	105.8	104.1	102.9	101.0	98.8	96.3	93.9	90.1					139.0	
PNDB		117.2	118.3	117.0	116.5	115.5	112.7	111.0	108.8	106.9	104.4	102.0						

Run 39/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.0

FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT DEL. HUM. 0.4V)																			
	ANGLES FROM INLET IN DEGREES (AND RADIAN)																			
	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200.																			
SIDELINE 500. FT. (152.46 M)	60	63	66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117
NFA 2069. RPM (1279. RAD/SEC)	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
AIRFLOW RATIO WF/WP 12.60	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000
VEHICLE LT-SIM	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000
LOC SCHEMECTADY	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000
DATE 7/16/75	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000
FUL. 39/E	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000
TAPE	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000	250000
FAN TIP SPEED 827. FT/SEC	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000	250000	315000
OVERALL CALCULATED	50.6	52.8	55.1	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
PNEP	62.8	65.1	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0	102.5	105.0	107.5	110.0

SIDELINE 200. FT. (60.96 M)	60	63	66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117
NFA 2069. RPM (1279. RAD/SEC)	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
AIRFLOW RATIO WF/WP 12.60	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000
VEHICLE LT-SIM	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000
LOC SCHEMECTADY	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000
DATE 7/16/75	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000
FUL. 39/E	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000
TAPE	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000	250000
FAN TIP SPEED 827. FT/SEC	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000	100000	125000	160000	200000	250000	315000
OVERALL CALCULATED	72.1	74.3	76.5	78.7	81.0	83.3	85.6	87.9	90.2	92.5	94.8	97.1	99.4	101.7	104.0	106.3	108.6	110.9	113.2	115.5
PNEP	81.2	83.5	85.8	88.1	90.4	92.7	95.0	97.3	99.6	101.9	104.2	106.5	108.8	111.1	113.4	115.7	118.0	120.3	122.6	124.9

Run 39/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM. DAY)											PRCC. DATE - MONTH 7 DAY 29 HR. 3.6					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	0.	10.	10.	10.	10.	10.
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	PWL
RADIAL 17. FT.		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	PWL
(S. H)	100	71.6	71.3	70.5	69.5	68.6	67.5	70.3	72.0	73.7	74.1	73.8						
VEHICLE UTSIM	125	80.1	80.3	79.0	77.8	76.8	75.8	74.5	74.8	74.9	74.9	73.8						105.2
CONFIG A+3	160	79.1	77.5	76.8	79.4	78.6	76.8	75.0	75.0	74.4	72.9	72.8						100.8
LCC SCHENECTADY	200	80.1	82.3	82.0	81.9	80.3	80.5	79.8	79.8	78.2	75.3	73.8						100.8
DATE 7/16/75	250	88.0	87.3	86.8	86.9	85.3	84.0	83.7	83.8	83.7	82.1	80.0						112.5
RPI 39/7	315	92.1	92.3	91.8	91.1	88.8	86.5	85.5	84.5	83.9	82.6	80.0						117.3
TAPE	400	89.1	89.3	88.8	89.9	88.1	87.0	85.0	83.6	81.7	80.1	78.3						119.5
RAP 30.0 HG	500	87.6	87.5	87.6	87.9	85.6	83.8	83.0	81.8	79.9	78.5	76.3						110.8
(01212. S/W-2)	630	88.1	88.8	88.6	89.2	87.3	85.8	84.3	82.1	80.2	77.4	75.6						116.5
TAMP 83. DEG F	800	95.8	95.5	89.8	90.9	88.8	87.5	86.5	84.6	82.5	80.4	78.0						117.7
(391. DEG K)	1000	89.8	89.5	87.3	87.9	86.6	85.3	83.2	81.3	79.7	77.9	74.8						119.5
TNET 75. DEG F	1250	84.6	86.6	87.6	87.4	87.4	82.0	81.5	79.6	78.3	76.4	73.1						118.9
(249. DEG K)	1600	82.9	82.1	82.6	84.0	80.6	78.5	77.7	76.6	74.8	73.0	70.0						115.3
FACT 19.17 G4/M3	2000	80.4	81.1	82.1	83.5	80.6	78.8	77.7	75.6	73.0	71.3	69.3						111.8
(.01917 KG/M3)	2500	85.6	86.6	88.3	87.0	84.6	82.2	81.2	79.9	77.1	75.0	73.3						111.2
LFA 10655. RPM	3150	98.8	99.6	105.3	101.2	99.1	95.5	95.7	93.1	92.6	89.3	86.7						115.4
(1116. RAD/SEC)	4000	87.8	88.2	90.7	88.9	86.5	84.1	82.6	79.6	76.5	75.5	73.4						130.2
LFK 10417. RPM	5000	89.2	88.9	89.6	89.6	85.4	85.0	83.0	79.7	77.5	76.7	72.8						117.2
(1291. RAD/SEC)	6300	96.1	98.7	98.2	98.0	95.1	94.3	92.4	88.7	86.5	83.3	81.0						117.2
NFD 11517. RPM	8000	91.7	92.6	93.9	93.9	90.7	88.2	86.7	84.5	82.1	79.2	76.2						126.4
(1226. RAD/SEC)	10000	94.3	96.9	97.8	98.1	96.0	93.9	92.1	89.8	87.1	83.6	80.6						121.8
NO. OF BLADES 18	12500	94.5	94.9	95.6	97.1	95.8	95.1	93.8	91.5	89.4	85.0	81.3						120.4
FAN TIP SPEED	16000	92.9	93.2	92.9	95.7	93.9	94.2	92.2	90.0	89.1	83.5	80.2						126.7
93C. FT/SEC	20000	94.0	94.4	94.6	96.1	95.4	95.4	94.2	92.7	91.2	85.9	81.4						125.6
	25000	93.3	91.2	90.6	93.2	92.6	92.0	91.4	88.8	87.3	82.9	77.0						127.6
	31500	87.5	89.0	88.2	91.2	93.9	90.2	89.0	86.9	85.7	81.4	75.2						124.9
	40000	84.0	85.1	84.1	87.2	86.0	85.5	85.3	82.5	81.9	76.4	70.3						123.0
	50000	79.0	79.7	79.1	82.8	83.9	79.7	80.7	77.6	77.5	70.1	64.9						121.0
	63000	71.8	71.6	71.4	75.1	72.8	71.4	72.5	70.6	68.6	61.3	59.2						117.8
	80000	70.1	70.1	68.8	71.9	69.9	70.3	70.9	70.4	61.2	58.3	60.8						112.6
OVERALL MEASURED																		
OVERALL CALCULATED		105.4	116.3	118.4	107.4	105.6	104.1	103.0	100.9	99.3	95.7	92.7						114.4
PWDB		118.3	119.0	122.5	120.1	117.9	115.1	114.6	112.3	111.2	108.4	105.9						117.8

Run 39/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAT)

ANGLE'S FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (0.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.										0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.						
		10.17	10.35	10.52	10.70	10.87	11.05	11.22	11.40	11.57	11.75	10.	10.	10.	10.	10.	10.	10.
	50	40.0	46.9	53.9	55.7	55.7	55.1	55.9	55.7	54.3	53.8							
	63	44.1	51.7	56.3	57.2	59.2	59.6	60.1	59.7	56.6	54.0							
SIDELINE 500. FT. (152.40 M)	80	46.3	55.9	60.4	61.8	62.4	63.4	64.2	64.6	63.1	60.9							
	100	52.6	60.4	64.5	64.8	64.7	64.3	64.3	64.6	63.5	61.5							
NFA 3001. RPM (314. RAD/SEC)	125	45.9	56.9	62.9	64.0	64.7	64.2	63.6	62.2	60.8	58.8							
	160	46.4	55.1	60.4	61.2	61.4	61.9	61.5	60.2	59.1	56.6							
NFA 2934. RPM (307. RAD/SEC)	200	46.8	55.5	61.3	62.6	63.1	63.0	61.7	60.3	57.6	55.7							
	250	47.7	56.2	62.5	63.8	64.5	65.3	64.0	62.3	60.4	57.9							
NFA 3244. RPM (340. RAD/SEC)	315	45.3	53.1	59.2	61.2	62.1	61.5	60.5	59.4	57.7	54.5							
	400	41.8	52.7	58.2	57.6	56.3	59.4	58.2	57.7	55.7	52.5							
AIRFLOW RATIO W/FAN 12.60	500	38.3	47.3	54.3	54.5	54.7	55.4	55.3	53.2	52.3	49.2							
	630	34.1	45.7	53.2	54.1	54.5	55.1	54.3	52.0	50.4	48.2							
	800	38.3	51.1	56.1	57.6	57.9	58.2	57.9	55.7	53.3	51.9							
VEHICLE UTMSIP CONFIG A*3	1000	49.8	67.2	69.3	71.6	70.3	72.3	70.8	70.0	67.3	65.0							
	1250	36.8	51.5	56.8	58.5	58.7	58.8	56.9	56.5	53.7	51.4							
LDC SCHEMECTADY	1600	35.3	48.3	56.3	57.7	59.0	58.7	56.6	55.3	52.4	50.1							
DATE 7/16/75	2000	42.6	56.5	64.0	66.7	67.7	67.7	65.1	63.6	60.6	58.1							
RJL 3977	2500	33.9	51.3	59.1	60.6	61.1	61.5	60.6	58.8	56.1	52.9							
TAPE	3150	34.0	52.8	61.9	64.9	65.9	66.2	65.1	63.2	60.3	56.7							
FAN TIP SPEED 930. FT/SEC	4000	25.7	47.6	58.2	63.1	65.8	66.8	65.0	64.5	63.5	58.4							
	5000	20.4	43.3	56.6	60.6	64.4	64.8	64.0	63.0	58.6	55.0							
	6300	11.2	40.0	53.5	59.5	63.5	65.0	65.1	64.6	59.5	54.7							
	8000		27.8	45.3	52.7	56.9	59.4	58.7	56.3	54.2	48.0							
	10000			14.3	36.1	45.6	50.7	53.2	53.3	53.4	49.5	42.9						
OVERALL CALCULATED		58.5	70.1	74.8	76.6	77.3	77.9	76.9	76.2	73.5	70.8							
	PND8	62.7	78.1	85.1	87.8	89.1	89.8	88.9	87.7	84.2	80.7							

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	50	50.5	56.7	62.9	64.3	64.1	63.4	64.1	63.9	62.5	62.1							
	63	54.8	61.8	65.2	66.0	67.7	68.1	68.5	67.6	64.9	63.2							
SIDELINE 200. FT. (60.96 M)	80	59.3	66.3	70.1	70.8	71.1	72.0	72.7	73.0	71.6	69.4							
	100	63.9	71.1	74.2	74.0	73.6	73.6	73.4	73.2	72.0	70.1							
	125	60.5	67.9	72.8	73.4	74.0	73.1	72.4	70.9	69.5	67.5							
	160	58.3	66.4	70.6	70.8	70.6	71.0	70.5	69.1	67.9	65.4							
	200	59.1	67.1	71.7	72.4	72.5	72.1	70.7	69.3	68.6	64.6							
	250	60.4	68.1	73.3	73.8	74.2	74.3	73.2	71.5	69.5	67.0							
	315	58.3	65.4	70.1	71.4	71.8	70.9	69.8	68.6	66.9	63.7							
	400	55.3	65.4	69.5	69.0	68.4	69.1	68.0	67.1	65.4	61.9							
	500	50.3	60.1	65.5	65.1	64.8	65.2	64.9	62.8	61.9	58.8							
	630	48.7	59.3	65.1	65.0	64.9	65.1	63.8	61.7	60.1	57.9							
	800	53.5	65.1	68.4	68.8	68.3	68.5	68.0	65.6	63.7	61.8							
	1000	65.8	81.7	82.4	83.1	81.3	82.8	81.1	81.0	77.9	75.2							
	1250	53.6	66.8	69.5	70.3	69.8	69.5	67.4	66.8	64.0	61.7							
	1600	53.3	64.2	70.4	70.0	70.5	69.8	67.4	65.6	63.0	60.7							
	2000	62.0	73.2	78.3	79.5	79.6	79.1	76.2	74.6	71.5	69.0							
	2500	54.9	68.5	73.9	73.8	73.4	73.2	72.0	70.1	67.3	64.1							
	3150	57.6	71.6	77.5	78.8	78.8	78.4	77.0	74.0	71.6	68.4							
	4000	53.2	68.4	75.9	75.1	74.5	74.5	73.5	71.9	69.5	66.8							
	5000	50.3	65.3	74.4	76.2	78.7	78.3	77.1	76.7	71.3	67.8							
	6300	47.5	65.3	73.5	76.9	79.3	79.8	79.4	78.5	73.4	68.7							
	8000	38.3	58.3	69.0	72.8	78.0	78.2	74.3	74.0	69.9	63.7							
	10000	27.5	52.0	64.7	69.5	72.6	72.9	72.1	71.7	67.6	61.1							
OVERALL CALCULATED		72.0	84.3	87.7	88.7	89.1	89.3	88.1	87.2	83.9	80.9							
	PND8	81.7	94.4	100.2	101.4	102.2	102.3	101.0	99.7	96.0	92.5							

Run 39/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., 24.1)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL 17. FT.	50																	
	63																	
	80																	
(5. M)	100	71.3	71.3	70.6	69.5	66.8	67.5	71.3	72.3	73.9	74.4	74.1						105.5
VEHICLE UTHSIM	125	79.8	79.8	78.5	77.4	75.8	75.5	74.5	74.3	75.4	74.4	73.8						108.8
CONFIG A+3	160	79.1	77.5	76.3	79.1	78.1	76.8	75.3	75.0	74.4	73.4	73.6						109.8
LCC SCHEMECTADY	200	80.1	82.5	82.3	81.2	80.6	80.5	80.0	79.5	78.2	75.6	74.0						112.6
DATE 7/16/75	250	88.5	87.5	87.3	87.4	85.3	84.5	84.0	84.3	83.4	82.1	80.0						117.5
RUN 39/8	315	91.8	92.5	91.8	91.4	88.3	86.5	85.5	84.5	83.9	82.8	81.3						119.9
TARE	400	89.3	90.0	89.0	89.9	88.3	87.3	85.5	84.1	82.7	80.9	77.8						118.9
BAR 30.0 HG	500	88.3	88.0	88.1	88.4	85.8	84.3	83.5	82.6	81.2	79.6	77.5						117.7
(01212. N/H2)	630	88.8	89.0	88.5	89.2	85.8	84.1	83.3	82.1	80.2	78.9	77.1						118.5
TAMP 83. DEG F	800	89.8	89.3	88.8	89.5	87.3	86.5	85.5	83.3	82.0	79.8	76.8						116.3
(301. DEG K)	1000	88.3	87.5	85.6	86.5	85.8	84.8	84.0	81.4	79.7	77.6	75.0						114.8
TMET 76. DEG F	1250	82.4	85.1	85.6	85.2	82.6	82.3	81.7	80.4	79.0	76.9	73.6						112.4
(298. DEG K)	1500	82.1	82.1	83.3	83.5	80.1	80.3	80.7	77.1	75.5	74.7	72.0						112.0
NACT20.16 GR/H3	2000	81.5	82.8	82.3	83.2	80.4	79.3	81.7	75.9	73.5	71.5	68.8						115.8
(002016 KG/H3)	2500	89.1	88.3	89.3	87.2	84.4	82.0	81.7	79.4	77.1	75.0	72.8						130.5
NFA 11267. RPM	3150	106.3	102.6	104.0	101.7	103.3	96.5	95.4	94.4	90.1	89.8	85.2						122.3
(1180. RAD/SEC)	4000	97.0	94.5	95.2	93.9	92.2	88.4	87.1	85.6	82.0	81.5	77.4						116.4
NFK 11015. RPM	5000	88.5	88.7	88.1	88.5	84.9	83.8	82.7	79.5	77.2	74.7	72.5						126.7
(11153. RAD/SEC)	6300	96.1	97.7	99.2	98.7	96.6	93.3	91.9	89.2	87.5	84.8	81.7						121.0
NFD 11517. RPM	8000	90.7	92.8	93.4	93.6	91.4	88.1	86.9	84.3	82.6	79.7	76.2						127.0
(11206. RAD/SEC)	10000	95.6	96.4	98.0	98.5	96.0	94.8	93.3	91.0	88.3	84.9	81.3						120.2
NO. OF BLADES 18	12500	94.3	95.9	95.1	96.5	94.8	94.6	93.0	90.5	88.9	85.3	81.3						126.1
FAN TIP SPEED	16000	93.7	93.7	93.7	96.7	93.7	93.9	93.2	90.5	89.4	85.5	80.9						127.5
984. FT/SEC	20000	94.3	94.9	94.8	96.3	95.4	94.8	93.9	92.2	91.2	87.4	82.9						125.2
	25000	92.0	91.9	91.8	93.4	92.8	92.4	91.1	88.7	87.8	84.4	78.5						124.3
	31500	89.0	89.7	89.1	91.9	91.1	90.3	89.0	87.3	85.9	82.3	76.1						121.3
	40000	84.7	85.2	84.8	87.9	86.6	85.3	84.7	83.2	82.6	77.8	71.4						118.2
	50000	79.6	80.6	80.0	83.4	80.8	79.8	80.5	77.9	78.1	71.2	66.2						112.9
	63000	71.5	71.9	71.7	75.6	72.8	71.7	73.0	70.9	69.1	62.3	60.2						114.1
	80000	69.8	69.7	68.5	71.6	69.6	69.9	70.6	70.1	61.4	58.0	60.5						137.2
OVERALL MEASURED																		
OVERALL CALCULATED		108.8	107.3	108.1	107.8	106.0	104.2	103.1	101.1	99.2	96.7	92.9						
PAGE		123.2	121.0	121.9	120.5	118.8	115.8	114.8	113.3	110.1	109.1	105.4						

Run 39/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.6

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
SIDELINE 500. FT.	50	40.0	46.9	53.6	55.2	55.7	55.3	55.9	55.7	54.8	54.8								
(152.40 M)	63	44.4	51.9	56.0	57.4	59.2	59.9	60.2	59.3	56.8	55.2								
NFA 3174. RPM	80	48.6	56.4	61.1	61.8	62.9	63.6	64.5	64.3	63.1	60.9								
(332. RAD/SEC)	100	52.9	59.6	64.7	64.6	64.7	64.9	64.8	64.6	63.7	62.0								
NFK 3103. RPM	125	49.7	57.1	62.9	64.3	65.2	64.7	64.1	63.2	61.5	58.3								
(325. RAD/SEC)	160	46.9	55.6	60.9	61.4	61.9	62.4	62.4	61.5	60.1	57.8								
NFS 3244. RPM	200	47.1	55.5	61.3	62.1	63.4	63.0	61.7	60.3	59.1	57.2								
(340. RAD/SEC)	250	46.5	55.2	61.4	62.8	63.6	64.0	62.7	61.8	59.7	56.7								
AIRFLOW RATIO	315	43.8	51.3	57.9	60.4	61.8	62.2	61.0	59.4	57.5	54.7								
WF/HM 12.60	400	40.3	50.7	56.0	56.8	59.2	59.7	59.3	58.4	56.5	53.0								
VEHICLE JTMSH	500	36.3	47.8	53.8	54.0	56.4	58.4	55.8	54.7	54.1	51.2								
CONFIG A+3	600	35.9	46.0	53.0	53.8	55.1	59.1	54.2	52.5	50.8	47.7								
LOC SCHENECTADY	800	40.0	52.1	56.4	57.3	57.4	58.7	57.4	55.7	53.8	51.4								
DATE 7/16/75	1000	52.8	66.0	70.3	72.8	71.5	72.1	72.1	66.4	68.3	63.5								
RUN 39/8	1250	43.0	56.1	61.8	64.2	62.9	63.3	62.9	60.0	59.7	55.4								
TAPE	1600	35.0	47.8	55.5	56.2	57.7	58.5	56.4	54.7	52.4	50.1								
FAN TIP SPEED	2000	41.6	57.5	64.8	67.2	66.4	67.2	65.6	64.6	62.1	58.8								
964. FT/SEC	2500	34.1	50.5	58.8	61.4	61.3	61.7	60.8	59.3	56.8	52.9								
	3150	33.5	53.0	62.4	64.9	66.9	67.4	66.4	64.4	61.2	57.4								
	4000	26.7	47.0	56.6	62.1	65.3	66.0	64.9	64.0	60.7	56.4								
	5000	21.1	44.0	57.5	60.3	64.2	65.8	64.5	64.2	60.6	55.8								
	6000	11.7	39.9	53.7	59.5	63.0	64.7	64.6	64.5	61.0	56.2								
	8000	25.0	45.6	52.9	57.4	59.1	58.7	58.7	55.7	49.5									
	10000	15.3	36.8	45.7	50.9	53.2	53.8	53.6	50.4	43.8									
OVERALL CALCULATED		59.2	65.6	75.1	77.1	77.4	78.0	77.5	75.9	74.2	70.8								
PNLP		63.9	77.6	85.4	87.9	89.5	90.3	89.3	87.8	85.2	81.3								

SIDELINE 200. FT.	50	50.5	56.7	62.6	63.8	64.1	63.6	64.1	63.9	63.0	63.1							
(60.96 M)	63	55.0	62.0	65.2	66.2	67.7	68.3	68.6	67.6	65.2	63.5							
	80	59.6	66.8	70.6	70.8	71.6	72.2	73.0	72.8	71.6	69.4							
	100	64.2	70.3	74.4	73.7	73.6	73.6	73.4	73.2	72.3	70.6							
	125	61.2	68.1	72.8	73.6	74.2	73.6	72.9	71.9	70.2	67.0							
	160	58.8	66.9	71.1	71.0	71.1	71.5	71.3	70.3	68.9	66.7							
	200	59.3	67.1	71.7	71.9	72.8	72.1	70.7	69.3	68.1	66.1							
	250	59.1	67.1	72.1	72.8	73.2	73.3	71.9	71.0	68.8	65.8							
	315	56.8	63.6	68.9	70.6	71.3	71.7	70.3	68.6	66.7	64.0							
	400	53.8	63.4	67.2	67.3	69.2	69.3	68.8	67.8	65.9	62.4							
	500	50.3	60.8	65.3	64.6	66.6	68.2	65.4	64.3	63.6	60.8							
	600	50.4	59.5	64.9	64.7	65.4	69.1	64.1	62.2	60.3	57.4							
	800	55.2	66.1	68.6	68.5	68.0	69.0	67.5	65.6	63.7	61.3							
	1000	68.9	80.5	82.9	84.3	82.3	82.6	82.4	78.5	78.4	73.7							
	1250	59.9	71.3	74.8	76.1	74.1	74.1	73.4	70.3	70.0	65.7							
	1600	53.1	63.7	69.2	68.5	69.3	69.6	67.2	65.4	63.0	60.7							
	2000	61.0	74.2	79.0	80.0	78.4	78.6	76.7	75.6	73.0	69.8							
	2500	55.2	68.0	73.6	74.6	73.6	73.5	72.2	70.6	67.8	64.1							
	3150	57.1	71.9	78.1	78.8	79.8	79.7	78.3	76.1	72.9	69.1							
	4000	54.2	67.9	75.6	77.1	79.1	79.1	77.5	76.4	73.0	68.8							
	5000	50.8	66.0	75.4	75.9	78.5	79.3	77.6	77.0	73.3	68.6							
	6000	48.1	65.3	73.9	76.9	78.8	79.5	78.9	78.5	74.9	70.2							
	8000	39.3	59.5	69.2	73.0	75.5	76.0	74.3	74.5	71.3	65.2							
	10000	28.2	53.0	65.4	69.7	72.2	72.9	72.5	71.9	68.5	62.1							
OVERALL CALCULATED		73.1	83.8	88.1	89.2	89.2	89.5	88.5	87.0	84.8	81.1							
PNLP		81.7	94.5	100.5	101.5	102.3	102.5	101.2	99.7	96.8	92.9							

Run 39/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.6																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DRY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 10. 17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. 10. 10. 10. 10. 10.)																			
50																			
63																			
RADIAL 17. FT.																			
(5. M)																			
VEHICLE	UTMSIM	100	71.1	70.8	69.5	69.1	69.1	67.0	70.0	71.8	73.2	73.6	73.6						104.9
125	79.1	79.0	77.8	76.9	76.3	75.0	73.5	73.0	74.9	74.1	74.1	74.1						108.3	
CONFIG	A+3	160	78.3	77.3	76.5	74.4	78.3	76.5	74.5	75.0	74.7	73.1	73.6						108.8
LJC SCHENECTAFY	230	60.1	82.6	82.8	82.4	80.1	80.5	79.5	80.0	78.4	76.3	73.5						112.7	
DATE	7/16/75	250	87.5	87.5	86.8	86.4	84.8	83.8	83.2	83.3	82.9	81.6	79.8						116.8
RUN	39/9	315	91.8	92.0	90.8	91.1	87.8	86.3	85.6	84.0	83.7	82.6	80.8						119.5
TAFE	400	69.1	89.3	88.8	89.6	88.6	87.3	86.3	84.1	82.2	80.9	78.3						116.9	
SAP 30.0 MG	500	87.6	87.5	87.6	88.1	85.3	84.0	83.3	82.1	80.4	78.9	76.8						116.7	
(01212. F/M2)	630	87.6	87.8	87.8	88.2	86.3	85.6	83.3	81.6	79.7	78.1	76.6						117.0	
TAMB 83. DEG F	800	88.6	88.0	88.8	88.4	86.8	85.3	84.7	82.8	81.2	78.9	76.0						117.4	
(301. DEG K)	1000	87.8	87.0	84.1	84.9	84.6	84.0	83.2	80.6	79.2	77.4	75.0						115.3	
T-ET 76. DEG F	1250	79.6	83.6	85.6	83.9	81.9	81.8	81.0	79.6	78.0	76.4	73.1						113.8	
(298. DEG K)	1600	61.6	82.3	83.3	83.5	80.9	80.3	79.0	77.1	75.5	73.7	71.8						112.2	
FACT20.16 GM/M3	2000	82.1	83.3	83.1	83.2	80.1	79.3	78.2	75.6	73.8	72.3	69.3						111.5	
(.02016 KG/M3)	2500	87.1	87.3	88.5	87.7	84.1	81.7	80.2	78.1	76.8	73.5	72.0						115.3	
NFA 11654. RPM	3150	102.8	98.3	101.0	98.7	98.1	95.0	95.2	92.1	89.6	88.0	83.5						128.1	
(1220. RAD/SEC)	4000	100.5	96.0	99.2	97.1	96.0	92.9	93.3	90.3	87.5	84.0	81.4						126.2	
NFK 11393. RPM	5000	87.5	87.2	87.6	88.1	84.7	82.8	81.7	79.2	77.0	74.2	71.8						115.7	
(1193. RAD/SEC)	6300	92.1	95.5	95.7	96.5	92.4	91.3	88.9	87.4	84.8	82.0	79.5						123.0	
NFD 11517. RPM	8000	91.7	94.1	94.4	94.9	91.7	89.7	87.4	85.8	84.1	80.7	78.2						122.6	
(1206. RAD/SEC)	10000	95.8	96.4	97.0	97.3	95.5	94.1	92.6	90.3	88.6	85.1	81.8						126.3	
NO. OF BLADES 18	12500	94.3	94.4	94.1	95.8	94.3	93.1	92.0	89.5	88.1	84.3	81.0						125.2	
FAN TIP SPEED	16000	94.2	93.9	93.4	96.2	92.2	92.7	92.7	90.8	89.6	85.0	81.2						125.9	
1017. FT/SEC	20000	94.0	93.9	94.8	96.3	95.1	94.6	93.4	92.2	91.2	87.2	83.1						127.3	
	25000	91.2	92.2	91.3	93.6	92.5	91.7	90.8	88.2	87.8	84.1	78.7						125.0	
	31500	89.2	89.4	89.4	91.7	90.6	89.6	88.5	86.6	85.2	81.3	76.1						123.8	
	40000	84.7	85.5	84.5	87.9	86.9	85.1	84.2	82.2	82.3	76.8	71.7						121.1	
	50000	79.6	80.3	79.7	82.9	81.0	79.3	80.3	77.4	77.1	71.2	67.0						117.8	
	63000	71.5	72.1	71.7	75.1	72.5	71.2	72.3	70.6	68.4	62.6	60.4						112.5	
	80000	69.8	69.7	68.5	71.8	69.6	69.9	70.6	70.1	60.9	58.0	60.5						114.1	
OVERALL MEASURED																			
OVERALL CALCULATED		107.4	105.9	106.9	106.9	105.3	103.7	102.8	100.7	99.1	95.8	92.8						126.8	
PNDB		120.9	118.4	120.1	118.9	117.4	115.0	114.6	112.1	110.0	107.1	104.6							

FREQ. ID.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. F. 70 PERCENT WEL. NUM. LAF)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
SIDELINE 500. FT. (152.40 M)	50	59.5	56.7	52.9	55.5	55.4	54.6	55.6	58.8	54.5	54.8	58.8	54.5	54.8	58.8	54.5	54.8
NFX 3263. RPM (340. RAD/SEC)	63	44.6	52.2	56.6	55.9	56.2	59.4	60.7	59.5	57.6	54.7	59.5	57.6	54.7	59.5	57.6	54.7
NFX 3219. RPM (336. RAD/SEC)	80	48.6	55.9	60.1	61.5	62.2	62.6	63.7	63.8	62.8	60.7	63.8	62.8	60.7	63.8	62.8	60.7
NFX 3224. RPM (340. RAD/SEC)	100	52.2	59.4	64.5	64.1	64.4	64.4	64.3	64.4	63.5	61.5	64.4	63.5	61.5	64.4	63.5	61.5
ATPLR RATIO WF/11 12.60	125	48.9	56.9	62.6	64.5	65.2	65.4	64.1	63.7	61.5	58.8	63.7	61.5	58.8	63.7	61.5	58.8
VEHICLE UTASIM 1000	150	46.4	55.1	61.7	60.9	61.6	62.2	61.6	60.7	59.0	57.1	60.7	59.0	57.1	60.7	59.0	57.1
LOC SCHEMECTARY	200	45.2	53.2	59.1	61.8	62.4	62.2	62.5	61.1	59.9	58.0	61.1	59.9	58.0	61.1	59.9	58.0
DATE 7/16/75	250	43.0	49.8	56.2	59.2	60.5	61.5	60.7	59.9	58.0	56.0	59.9	58.0	56.0	59.9	58.0	56.0
RUN 39/9	300	38.8	50.7	54.7	58.1	58.2	58.6	58.5	57.4	56.0	54.0	57.4	56.0	54.0	57.4	56.0	54.0
TAPE	350	39.0	51.4	55.9	57.1	57.1	57.2	56.2	55.4	54.7	53.1	55.4	54.7	53.1	55.4	54.7	53.1
FAN TIP SPEED 1317. FT/SEC	400	36.4	46.7	53.9	53.6	55.1	55.6	54.0	52.9	51.4	48.2	52.9	51.4	48.2	52.9	51.4	48.2
OVERALL CALCULATED	500	44.5	60.1	65.3	63.0	67.4	69.8	67.9	65.5	62.2	59.4	65.5	62.2	59.4	65.5	62.2	59.4
PNDC	600	33.5	47.3	55.3	55.9	56.7	57.5	56.1	54.4	51.9	49.3	54.4	51.9	49.3	54.4	51.9	49.3
	700	39.4	54.0	62.5	62.9	64.7	64.2	63.9	61.4	59.3	56.6	61.4	59.3	56.6	61.4	59.3	56.6
	800	35.4	51.5	61.1	61.6	62.6	62.3	61.6	60.4	57.8	54.9	60.4	57.8	54.9	60.4	57.8	54.9
	900	33.5	52.0	61.1	64.4	66.1	66.7	65.6	64.7	61.5	57.4	64.7	61.5	57.4	64.7	61.5	57.4
	1000	25.2	46.0	57.6	61.6	63.8	65.0	63.9	63.3	60.7	58.2	63.3	60.7	58.2	63.3	60.7	58.2
	1100	21.3	43.8	57.0	60.8	63.9	65.3	64.6	64.4	60.1	56.0	64.4	60.1	56.0	64.4	60.1	56.0
	1200	10.7	39.9	53.7	59.2	63.0	64.2	64.6	64.8	60.8	56.5	64.8	60.8	56.5	64.8	60.8	56.5
	1300		28.5	45.8	52.7	56.6	58.8	58.2	58.7	55.4	49.7	58.7	55.4	49.7	58.7	55.4	49.7
	1400		15.5	36.5	45.2	50.1	52.7	53.0	52.6	49.4	43.8	52.6	49.4	43.8	52.6	49.4	43.8
	1500	58.1	68.4	74.1	76.2	76.9	77.9	76.9	75.8	73.3	70.5	75.8	73.3	70.5	75.8	73.3	70.5
	1600	61.7	76.1	84.6	87.3	89.0	89.7	88.8	87.9	84.9	81.5	87.9	84.9	81.5	87.9	84.9	81.5

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SIDELINE 200. FT. (60.96 M)	50	50.2	56.5	61.9	64.1	63.8	62.9	64.1	64.2	62.7	63.1	64.2	62.7	63.1	64.2	62.7	63.1
	63	55.3	62.5	65.7	65.7	67.7	67.6	69.1	67.9	65.9	63.0	67.9	65.9	63.0	67.9	65.9	63.0
	80	59.6	66.3	69.6	70.3	70.9	71.5	72.2	72.3	71.1	69.1	72.3	71.1	69.1	72.3	71.1	69.1
	100	63.7	70.1	74.2	73.2	73.3	73.1	72.9	73.0	72.0	70.1	73.0	72.0	70.1	73.0	72.0	70.1
	125	60.5	67.9	72.5	73.9	74.2	74.3	72.9	71.4	70.2	67.5	71.4	70.2	67.5	71.4	70.2	67.5
	160	58.3	66.4	70.9	70.5	70.9	71.2	70.8	69.8	68.2	65.9	69.8	68.2	65.9	69.8	68.2	65.9
	200	58.1	66.4	70.7	71.4	72.3	71.1	70.2	68.8	67.3	65.0	68.8	67.3	65.0	68.8	67.3	65.0
	250	57.9	65.1	70.8	71.8	71.9	72.5	71.4	70.2	68.0	65.0	70.2	68.0	65.0	70.2	68.0	65.0
	315	56.3	62.1	67.1	69.4	70.6	70.9	69.1	68.1	66.4	64.0	68.1	66.4	64.0	68.1	66.4	64.0
	400	52.3	63.4	66.0	66.5	66.2	66.6	66.0	66.6	65.4	61.9	66.6	65.4	61.9	66.6	65.4	61.9
	500	50.5	60.8	65.3	65.4	66.6	66.5	66.4	64.3	62.6	60.5	64.3	62.6	60.5	64.3	62.6	60.5
	630	50.9	60.3	64.9	64.5	65.4	65.6	63.8	62.4	61.1	57.9	62.4	61.1	57.9	62.4	61.1	57.9
	800	54.2	65.4	69.1	68.3	67.0	67.5	66.2	65.4	62.2	60.6	65.4	62.2	60.6	65.4	62.2	60.6
	1000	64.5	77.5	79.9	82.1	80.8	82.3	80.1	78.0	74.6	71.9	78.0	74.6	71.9	78.0	74.6	71.9
	1250	61.4	75.3	78.1	79.8	78.6	80.3	78.2	75.8	72.5	69.7	75.8	72.5	69.7	75.8	72.5	69.7
	1600	51.6	63.2	66.7	66.3	66.3	66.6	66.9	65.1	62.5	60.0	65.1	62.5	60.0	65.1	62.5	60.0
	2000	58.8	70.7	76.8	75.7	76.6	75.6	75.0	72.8	70.3	67.5	72.8	70.3	67.5	72.8	70.3	67.5
	2500	56.4	69.0	74.9	74.8	74.9	74.0	73.2	72.1	68.0	65.1	72.1	68.0	65.1	72.1	68.0	65.1
	3150	57.1	70.9	76.4	78.3	79.0	78.0	77.5	76.4	71.1	67.6	76.4	71.1	67.6	76.4	71.1	67.6
	4000	52.7	66.9	74.5	76.6	77.0	76.1	76.3	75.7	72.9	68.8	75.7	72.9	68.8	75.7	72.9	68.8
	5000	51.1	65.7	74.9	76.4	78.2	78.8	77.8	77.2	74.9	70.4	77.2	74.9	70.4	77.2	74.9	70.4
	6300	47.1	65.3	73.9	76.6	78.0	79.0	78.9	78.5	74.6	70.4	78.5	74.6	70.4	78.5	74.6	70.4
	8000	39.2	59.9	66.5	72.6	74.7	75.7	74.3	74.5	71.1	65.5	74.5	71.1	65.5	74.5	71.1	65.5
	10000	27.9	53.2	65.1	69.2	71.4	72.4	71.8	71.1	67.5	62.1	71.1	67.5	62.1	71.1	67.5	62.1
OVERALL CALCULATED	PNDC	71.5	82.6	87.1	88.4	88.7	89.3	88.3	86.3	81.7	80.7	86.3	81.7	80.7	86.3	81.7	80.7

Run 39/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 25 HR. 3.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. 1)		(0. 10. 17)	(0. 35)	(0. 52)	(0. 70)	(0. 87)	(1. 05)	(1. 22)	(1. 40)	(1. 57)	(1. 75)	(0. 10)	(0. 19)	(0. 28)	(0. 37)	(0. 46)	(0. 55)	(10. 1)
RADIAL 17. FT.	50																	
	63																	
	30																	
VEHICLE	100	70.6	70.3	69.3	68.9	66.3	67.0	69.3	70.8	72.2	72.9	73.1						
UTHSIM	125	78.6	79.0	77.3	76.4	75.6	74.3	73.0	73.3	74.7	74.6	73.6						
CONFIG	150	78.3	76.5	75.8	78.1	77.1	75.5	74.0	74.0	73.9	72.6	73.3						
LOC SCHEMECTARY	200	80.3	83.3	83.5	82.6	80.6	81.0	79.8	80.0	78.4	76.3	73.5						
DATE 7/16/75	230	87.8	86.5	86.3	86.4	84.3	83.5	83.2	83.0	82.9	81.6	79.0						
RUN 39/10	315	91.3	91.8	90.5	90.4	88.1	85.5	84.5	84.0	83.7	82.3	80.0						
TAPE	450	88.8	89.8	89.5	89.9	88.1	87.3	86.3	84.1	82.2	80.9	78.0						
SAP 30.0 HG	530	87.6	87.5	87.6	89.4	85.6	83.8	82.5	81.8	80.2	78.9	77.0						
(1012. 1. /M2)	630	87.3	87.5	87.3	87.9	86.3	85.3	83.3	81.3	79.7	79.4	78.3						
TAN 62. DEG F	800	88.1	87.5	87.1	88.1	86.8	85.0	84.2	82.6	80.5	78.9	76.3						
(301. DEG K)	1050	87.6	86.3	83.3	84.4	84.3	84.0	83.0	80.8	79.0	78.1	74.8						
TAN 70. DEG F	1250	78.1	83.6	84.8	87.4	81.6	80.8	81.0	79.6	77.7	76.2	72.8						
(290. DEG K)	1650	51.4	82.1	82.8	83.2	80.1	79.5	78.0	76.6	74.8	73.0	70.8						
NAC 120.47 GH/M3	2000	82.1	83.3	83.1	83.0	80.1	78.8	77.0	75.4	73.0	70.8	68.6						
(.02747 KG/M3)	2500	86.9	86.8	88.0	86.7	83.6	81.2	80.7	77.9	76.6	73.8	71.0						
NFA 11748. RPM	3150	100.6	97.3	99.3	97.9	97.1	94.0	92.2	89.9	87.6	85.0	84.0						
(11232. RAD/SEC)	4000	100.8	98.0	98.9	97.9	97.0	94.1	92.1	90.3	87.0	85.2	83.9						
NFA 11515. RPM	5000	87.2	87.4	87.9	87.8	83.9	82.0	81.0	78.5	76.7	73.5	71.8						
(11206. RAD/SEC)	6300	91.2	93.7	94.4	94.7	92.1	89.5	88.2	85.7	84.0	81.0	79.0						
NFA 11517. RPM	8000	92.4	94.3	94.7	95.1	92.4	90.7	88.4	86.8	84.6	81.4	78.7						
(11205. RAD/SEC)	10000	95.6	96.6	96.3	97.0	95.0	93.6	92.8	89.3	88.3	84.6	81.8						
NO. OF BLADES 1A	12500	94.0	94.4	93.9	95.3	93.5	92.6	91.8	89.5	88.1	84.3	80.8						
FAN TIP SPEED	16000	94.4	94.1	93.7	96.4	93.6	93.7	92.7	90.7	89.8	86.0	81.7						
1027. FT/SEC	20000	93.7	94.6	94.7	96.0	95.1	95.1	93.4	91.9	91.2	87.1	82.9						
	25000	91.2	91.9	91.8	93.1	92.2	91.4	90.3	88.0	87.5	83.9	78.7						
	31500	89.2	90.2	88.6	91.6	90.0	88.8	87.7	86.3	85.4	81.5	75.6						
	40000	84.4	85.4	84.2	85.8	86.3	84.3	84.1	82.4	82.0	77.3	72.1						
	50000	79.2	80.5	79.6	82.5	80.7	79.0	79.5	76.8	77.2	71.1	67.2						
	63000	71.2	71.8	71.3	74.7	71.7	70.3	71.7	70.2	68.3	62.2	60.6						
	80000	69.6	69.6	68.3	71.4	69.4	69.8	70.4	69.9	60.7	57.8	60.3						
OVERALL MEASURED																		
OVERALL CALCULATED		106.3	106.0	106.3	106.7	105.0	103.5	102.2	100.2	98.8	95.8	93.0						
PNDP		119.7	118.3	119.0	118.3	116.9	114.7	112.9	111.0	108.8	106.7	105.0						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)
50	39.0	45.9	52.6	54.2	54.4	54.1	54.9	55.2	54.0	54.6					
63	45.1	53.2	56.8	57.4	59.7	59.6	60.7	59.5	57.6	54.7					
SIDELINE 500. FT. (152.40 M)	47.6	55.4	60.1	60.8	61.9	62.9	63.5	63.8	62.6	59.9					
100	52.1	59.1	63.7	64.3	63.7	63.9	64.3	64.4	63.2	60.7					
NFA 3315. RPM (347. RAD/SEC)	49.4	56.6	62.9	64.3	65.2	65.4	64.1	62.7	61.5	58.6					
125	46.4	55.1	60.9	61.2	61.4	61.4	61.6	60.5	59.3	57.3					
NFK 3244. RPM (340. RAD/SEC)	45.6	54.3	61.1	61.6	62.6	62.0	60.9	59.8	59.6	58.4					
200	44.7	53.5	59.9	61.8	62.1	62.7	62.0	60.3	58.9	56.2					
NFD 3244. RPM (340. RAD/SEC)	42.6	49.1	55.7	58.9	60.8	61.2	60.0	58.6	58.0	54.5					
400	38.0	49.9	54.2	55.8	57.2	58.9	58.5	57.2	55.8	52.2					
AIRFLOW RATIO NF/M 12.60	39.3	47.3	53.5	54.0	55.7	55.6	55.3	54.0	52.3	50.0					
500	39.4	46.7	52.7	53.5	54.6	54.3	53.7	52.0	49.9	47.7					
600	38.5	50.9	55.9	56.6	58.6	57.7	55.9	55.2	52.6	49.6					
VEHICLE UTMSIM 1000	47.8	61.2	66.5	69.6	69.5	68.8	67.6	65.9	63.5	62.3					
CONFIC A+3 1250	46.5	59.9	65.7	68.9	68.7	68.3	67.7	65.0	63.4	61.9					
LCC SCHENECTADY 1600	33.8	47.5	54.8	55.2	56.0	56.7	55.4	54.2	51.2	49.3					
DATE 7/14/75 2000	37.6	52.7	60.3	62.7	62.9	63.4	62.1	61.1	58.3	56.1					
RUN 39/10 2500	35.6	51.7	60.3	62.4	63.0	63.2	62.8	61.3	58.4	55.4					
TAPE 3150	33.7	51.3	60.9	63.9	65.0	66.9	64.6	64.4	61.0	57.9					
FAN TIP SPEED 4000	28.2	45.8	57.1	60.9	63.3	64.8	63.9	63.3	59.7	55.9					
5850	21.5	44.0	57.3	60.3	63.9	65.2	64.8	64.7	61.1	56.5					
1027. FT/SEC 6300	11.4	39.9	53.5	59.2	63.2	64.2	64.3	64.5	60.7	56.2					
8000		29.0	45.3	52.4	56.4	58.3	57.9	58.4	55.2	49.7					
10000		14.7	36.5	44.7	49.3	51.9	52.7	53.1	49.6	43.3					
OVERALL CALCULATED	57.9	67.8	71.8	76.0	76.8	77.1	76.4	75.4	73.3	70.7					
P.D.B	61.6	75.6	84.3	87.0	88.7	89.6	88.2	87.6	84.7	81.6					

50	49.5	55.7	61.5	62.8	62.8	62.4	63.1	63.4	62.2	62.6					
63	55.8	63.3	66.0	66.2	68.2	68.1	69.1	67.9	65.9	63.0					
SIDELINE 200. FT. (60.96 M)	58.6	65.8	69.6	69.8	70.6	71.5	72.0	72.3	71.1	68.4					
100	63.4	69.8	73.4	73.5	72.6	72.6	72.9	73.0	71.8	69.3					
125	61.0	67.6	72.3	73.4	74.2	74.3	72.9	71.4	70.2	67.3					
160	59.3	66.4	71.1	70.8	70.6	70.5	70.5	69.3	68.2	66.2					
200	57.8	65.9	70.5	71.4	72.0	71.1	70.0	68.8	68.6	67.4					
250	57.3	65.4	70.6	71.8	71.7	72.0	71.2	69.5	68.0	65.3					
315	55.6	61.4	64.6	69.1	70.6	70.7	69.3	67.9	67.2	63.7					
400	52.3	62.6	65.5	66.3	67.2	68.6	68.0	66.6	65.2	61.6					
500	50.3	60.3	65.1	64.6	65.8	65.5	64.9	63.5	61.9	59.5					
630	50.9	60.3	64.6	64.5	64.9	64.4	63.6	61.7	59.6	57.4					
800	53.7	64.9	68.1	67.8	67.3	68.0	66.0	65.1	62.5	59.6					
1000	63.8	75.7	79.1	81.1	80.3	79.3	77.8	76.0	73.6	72.4					
1250	63.4	75.0	78.8	80.8	79.8	79.1	78.2	75.3	73.7	72.2					
1600	51.8	63.4	68.4	67.5	67.5	67.8	66.2	64.9	61.8	60.0					
2000	57.0	67.5	75.0	75.5	74.9	74.9	73.2	72.1	69.2	67.0					
2500	56.7	69.3	75.1	75.6	75.9	75.0	74.2	72.6	69.6	66.6					
3150	57.3	70.1	76.6	77.8	78.5	79.2	76.5	76.1	72.6	69.6					
4000	52.7	65.6	74.1	75.9	77.1	77.8	76.5	75.6	72.0	68.3					
5000	51.3	66.0	75.1	75.9	78.2	78.8	77.8	77.5	73.8	69.3					
6300	47.8	65.3	73.6	76.6	77.0	79.0	78.6	78.5	74.6	70.1					
8000	33.9	59.5	68.9	72.5	74.5	75.2	74.0	74.2	70.8	65.4					
10000	28.7	52.4	55.1	60.7	70.6	71.6	71.5	71.3	67.7	61.5					
OVERALL CALCULATED	71.5	81.9	86.8	88.2	88.6	88.6	87.5	86.6	83.9	81.1					
P.D.B	82.9	93.3	99.4	100.7	101.4	101.8	100.2	99.5	96.4	93.2					

Run 39/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.6																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ.		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.	(0.	(0.	(0.	(0.	(0.	(0.
50																		
63																		
80																		
RADIAL 17. FT.																		
(5. MI)																		
VEHICLE	UTMSM	100	68.8	68.5	67.5	67.1	64.8	64.8	68.0	69.0	70.7	71.4	71.1					102.4
CONFIG	A*3	125	77.1	77.0	76.0	75.1	74.1	73.0	72.0	72.5	73.7	73.9	73.1					106.0
LCC	SCHENECTADY	160	77.1	75.3	75.0	77.1	75.8	74.3	73.0	73.5	73.4	72.6	73.3					107.3
DATE	7/15/75	230	81.1	81.5	85.3	83.1	81.8	82.0	80.0	80.8	78.9	78.6	73.3					113.9
RUN	39/11	256	86.5	86.3	85.5	85.6	83.6	83.0	82.5	82.3	81.9	80.3	78.5					115.8
TAPE		315	91.3	91.7	89.5	89.9	87.1	84.8	84.0	83.0	82.7	81.3	79.8					118.4
BAR	30.0 HG	430	89.1	91.3	89.8	89.6	88.1	86.5	85.5	83.1	81.9	80.1	77.8					118.5
	(01212. H/HZ)	500	88.1	88.3	87.8	87.1	84.8	83.5	82.3	80.8	79.9	77.9	76.0					116.3
TAMP	81. DEG F	630	87.1	87.3	87.1	87.9	86.3	84.8	83.5	81.3	79.7	77.1	75.3					116.6
	(300. DEG K)	820	87.3	86.8	86.1	87.1	86.3	85.5	84.5	82.1	80.7	79.1	76.5					118.9
TACT	75. DEG F	1000	87.3	86.0	82.3	84.4	85.1	84.8	83.2	81.1	79.5	77.6	74.8					119.4
	(297. DEG K)	1250	77.6	83.8	84.6	84.9	82.3	82.0	82.0	79.9	78.6	76.9	73.3					114.1
HACS	19.78 G/M/MS	1500	81.4	82.1	82.3	84.5	81.4	79.5	79.0	76.6	74.8	73.2	70.5					112.1
	(.01928 KG/M3)	2230	82.5	84.0	84.6	84.5	81.9	79.5	79.2	77.9	74.8	73.3	71.0					112.8
HFA	12179. RPM	2500	87.5	87.3	88.3	87.5	84.9	83.7	81.7	79.9	76.3	74.5	72.3					115.9
	(1275. RAD/SEC)	3150	96.5	94.1	94.3	95.9	91.6	90.7	89.7	86.9	86.3	82.3	81.2					123.6
NFK	11929. RPM	4030	103.3	103.2	99.4	103.9	97.0	96.6	95.6	93.1	92.5	88.7	87.4					129.8
	(1249. RAD/SEC)	5030	87.0	87.9	88.4	89.1	86.4	83.8	83.0	80.2	78.5	75.5	73.3					118.8
NFD	11517. RPM	6300	92.1	91.7	91.9	92.0	90.6	87.8	86.7	85.2	83.0	80.5	77.0					120.7
	(1200. RAD/SEC)	8000	95.7	95.6	95.2	95.6	94.4	91.9	90.7	89.5	86.4	85.4	80.7					124.6
NO. OF BLADES	13	10000	94.8	95.9	95.0	96.5	94.2	92.6	91.8	90.8	88.6	86.1	82.1					125.4
FAN TIP SPEED	16030	12500	94.0	95.1	93.9	95.8	94.0	92.3	91.3	90.3	88.6	85.5	81.9					125.2
	1063. FT/SEC	20000	94.7	93.9	93.7	96.5	94.4	93.4	92.2	91.5	90.3	86.2	82.2					128.1
		25000	94.5	94.7	95.0	96.3	95.1	94.1	93.2	92.2	92.0	88.2	83.1					127.4
		31500	91.7	92.2	91.6	92.6	92.0	90.9	90.1	88.5	87.3	84.1	79.7					124.5
		40000	89.5	89.7	89.9	91.2	90.0	88.8	87.4	86.3	85.4	82.1	77.1					123.3
		50000	84.9	85.7	84.0	85.9	85.9	84.1	83.7	81.9	81.6	77.3	72.7					120.4
		63000	79.8	80.3	79.5	82.8	80.5	78.8	78.8	76.7	77.1	71.2	67.5					117.3
		80000	71.5	71.9	71.2	74.6	71.5	70.4	71.5	69.8	67.9	62.3	60.9					111.9
		100000	69.3	69.7	68.4	71.6	69.6	69.9	70.6	70.8	61.6	57.9	60.5					114.1
OVERALL MEASURED																		
OVERALL CALCULATED		107.1	106.1	105.6	107.9	104.6	103.4	102.3	100.8	99.7	96.6	93.4						139.8
PNCB		120.9	119.2	118.7	121.6	116.6	115.7	114.6	112.5	111.5	108.5	106.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	37.8	45.2	51.5	53.0	53.2	53.1	54.4	54.7	54.0	54.6						
63	46.4	54.9	57.3	58.7	58.7	60.7	59.9	61.4	60.0	59.8	54.4					
SIDELINE 500. FT. (152.40 M)	47.1	54.6	59.3	60.1	61.4	62.1	62.7	62.8	61.4	59.4						
NFA 3430. RPM (359. RAD/SEC)	49.7	56.9	52.8	64.0	64.4	64.7	63.1	62.5	60.8	58.3						
NFX 3360. RPM (352. PAD/SEC)	47.1	55.3	60.7	63.4	61.1	61.2	60.6	60.2	58.3	56.3						
NFD 3244. RPM (340. RAD/SEC)	45.3	54.0	60.1	61.6	62.1	62.2	60.9	59.8	57.4	55.4						
AIRFLOW RATIO HF/AM 12.00	44.0	52.5	58.9	61.3	62.5	63.0	61.5	60.6	59.2	56.4						
630	42.3	48.1	55.7	59.7	61.0	61.5	60.2	59.1	57.5	54.5						
800	39.1	49.7	55.7	56.6	58.5	59.9	58.8	57.9	56.5	52.7						
VEHICLE UT45TH 1000	36.3	46.8	54.8	55.2	55.7	56.6	55.3	54.0	52.6	42.7						
CONFIG A+3 1250	37.6	46.2	54.2	55.3	55.3	56.6	56.2	53.7	52.4	49.9						
LGC SCHENECTADY 1600	45.8	57.1	66.1	64.6	66.1	66.7	64.9	64.9	61.1	59.9						
DATE 7/16/75 2000	52.5	61.4	72.5	69.5	71.6	72.2	70.8	70.8	67.3	65.7						
RUN 39/11 2500	36.5	49.3	57.0	58.4	58.4	59.3	57.6	56.4	53.6	51.3						
TAFE 3150	33.1	51.7	59.0	62.0	61.8	62.5	62.1	60.6	58.3	54.6						
FAN TIP SPEED 4000	32.6	53.6	61.8	65.1	65.4	66.0	66.0	63.6	62.8	57.9						
1063. FT/SEC 5000	37.3	52.2	61.9	64.3	65.6	66.8	66.9	65.4	63.2	58.9						
6300 9.6	32.4	49.1	59.9	63.1	64.5	65.6	65.8	64.9	62.1	57.3						
8000 27.0	25.1	45.9	58.6	62.1	64.5	65.5	66.2	65.8	62.0	57.7						
10000 11.5	22.5	45.8	57.6	62.2	64.8	66.2	66.6	67.2	63.7	58.4						
OVERALL CALCULATED 6300	9.6	37.4	50.7	56.7	59.7	61.5	61.5	61.2	58.4	53.7						
8000 44.3	27.0	44.3	51.1	54.7	56.4	57.1	57.3	54.3	49.0							
10000 11.5	11.5	33.1	41.9	46.0	49.2	49.8	50.4	48.8	41.7							
OVERALL CALCULATED PNDH	58.2	67.4	75.8	75.9	77.2	77.9	77.4	76.9	74.3	71.4						
PNDH	62.6	75.4	85.1	87.1	88.5	89.6	89.5	89.1	86.1	82.0						

ORIGINAL PAGE IS OF POOR QUALITY

50	48.2	55.0	60.6	61.6	61.6	61.4	62.6	62.9	62.2	62.8
63	57.0	65.0	66.5	67.5	69.2	68.3	69.8	68.4	68.2	62.7
SIDELINE 200. FT. (60.96 M)	58.1	65.0	68.8	59.1	70.1	70.7	71.2	71.3	69.8	67.9
100	62.7	68.8	72.9	72.5	71.6	72.1	71.9	72.0	70.8	69.1
125	61.2	67.9	72.5	73.4	73.5	73.6	71.9	71.2	69.5	67.0
160	59.0	66.6	70.9	70.0	70.4	70.2	69.5	69.1	67.2	65.2
200	57.6	65.6	70.5	71.4	71.5	71.4	70.0	68.8	66.3	64.4
250	56.6	64.4	69.6	71.3	72.2	72.3	70.7	69.7	68.3	65.5
315	55.3	60.4	66.6	69.9	71.3	70.9	69.6	68.4	66.7	63.7
400	52.6	62.4	67.0	67.0	68.4	69.6	68.3	67.3	65.9	62.1
500	50.3	59.8	66.3	65.9	65.8	66.5	64.9	63.5	62.1	59.3
630	52.2	61.8	65.1	66.2	65.7	66.6	66.1	63.4	62.1	59.7
800	61.0	71.1	74.4	75.8	76.7	78.9	75.0	74.9	71.0	69.8
1000	66.5	75.9	85.1	91.0	82.5	82.7	81.1	81.0	77.4	75.9
1250	53.4	64.5	70.0	70.3	69.5	70.0	68.1	66.8	64.0	61.7
1600	56.1	67.5	72.6	74.3	73.4	73.6	72.9	71.3	68.9	65.2
2000	59.0	70.3	76.0	77.9	77.4	77.4	77.2	74.5	73.7	68.8
2500	58.3	69.8	76.7	77.5	77.9	78.5	78.3	76.7	74.4	70.2
3150	56.6	67.9	75.5	77.1	77.4	77.9	77.7	76.6	73.7	69.0
4000	52.6	66.8	75.6	77.0	78.3	78.6	78.8	78.2	74.3	70.1
5000	52.3	67.8	75.4	77.8	79.1	79.7	79.7	80.0	76.4	71.2
6300	45.3	62.7	70.8	74.1	75.5	76.3	75.6	75.2	72.2	67.6
8000	37.6	57.5	67.9	71.2	72.8	73.3	73.3	73.0	69.9	64.7
10000	25.6	49.2	61.7	65.9	67.3	68.9	68.5	68.0	64.9	60.0
OVERALL CALCULATED	71.9	81.4	88.7	95.1	85.3	89.2	88.5	87.9	85.0	81.8
PNDH	81.1	92.5	99.5	100.6	101.5	101.9	101.6	101.1	98.1	93.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIAN)										
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
SIDELINE 500. FT. (152.40 M)	50	37.0	43.5	49.8	52.4	52.8	52.0	51.9	52.4	50.9	49.5	
	63	41.3	49.2	52.7	54.2	56.3	57.0	57.2	56.4	53.7	51.3	
	80	44.6	52.2	56.0	57.8	58.5	59.3	59.7	60.5	59.3	57.3	
NFA 1988. RPM (208. RAD/SEC)	100	48.1	55.2	58.9	60.5	60.3	59.6	60.3	60.5	59.8	57.6	
	125	42.4	50.7	54.8	57.7	57.8	57.6	56.1	54.9	53.7	51.4	
NFK 1955. RPM (205. RAD/SEC)	160	40.8	49.6	54.1	56.2	55.5	55.4	54.1	53.9	53.2	50.7	
	200	44.8	53.6	58.0	59.9	60.2	59.9	58.7	57.5	55.3	52.8	
NFD 3244. RPM (340. RAD/SEC)	250	43.7	52.8	57.8	59.8	60.0	59.4	58.0	57.0	54.8	52.1	
	315	39.8	47.9	52.6	53.9	54.7	53.6	52.2	50.8	49.1	45.8	
AIRFLOW RATIO NF/WH 12.60	500	30.6	40.1	44.7	47.7	48.3	47.3	46.0	45.4	43.2	40.8	
	630	42.4	52.3	58.9	60.8	61.4	58.7	58.0	57.1	55.2	51.1	
	800	34.5	45.4	51.1	52.8	53.0	50.9	49.7	48.8	46.7	43.5	
VEHICLE CONFIG LOC SCHENECTADY DATE 7/17/75 RUL. TAPE FAN TIP SPEED 616. FT/SEC	1000	31.0	42.5	47.7	49.0	47.8	46.7	45.1	43.8	42.2	40.1	
	1250	38.0	50.7	55.9	58.4	56.0	53.7	52.7	49.8	48.6	46.5	
	1600	33.7	46.3	52.0	53.9	52.6	50.6	48.4	46.6	45.6	43.2	
	2000	34.1	48.3	55.0	57.2	57.3	54.8	51.8	50.8	49.5	47.7	
	2500	30.6	46.8	54.5	57.6	57.2	55.9	52.3	50.7	48.7	46.7	
	3150	26.7	44.3	52.8	56.8	56.7	55.5	52.4	50.1	48.3	45.5	
	4000	19.4	40.1	49.5	54.3	55.4	53.9	50.9	49.1	46.1	45.3	
	5000	17.8	36.1	47.2	51.5	52.7	51.4	48.5	46.1	42.4	40.9	
	6300	1.9	30.2	42.6	48.5	50.1	48.6	45.1	43.4	38.6	36.6	
	8000	20.3	35.7	43.4	45.2	45.5	42.1	39.3	34.1	32.3		
	10000	7.0	27.5	36.2	39.9	39.8	38.5	34.7	29.0	26.4		
OVERALL CALCULATED PND8		53.9	62.7	67.8	70.0	70.1	69.2	68.3	67.7	66.2	63.9	
		56.1	70.0	77.2	80.4	80.5	79.3	76.8	75.1	73.0	70.5	

SIDELINE 200. FT. (60.96 M)	50	47.5	53.3	58.8	61.1	61.2	60.3	60.1	60.6	59.1	57.7	
	63	52.0	59.3	61.9	62.9	64.8	65.5	65.5	64.8	62.1	59.6	
	80	55.6	62.6	65.5	66.8	67.2	67.9	68.2	68.9	67.7	65.8	
	100	59.4	65.9	68.6	69.7	69.1	68.3	68.9	69.1	68.2	66.2	
	125	54.0	61.7	64.7	67.1	66.8	66.5	64.8	63.6	62.4	60.1	
	160	52.8	60.9	64.3	65.7	64.7	64.4	63.0	62.7	62.0	59.6	
	200	57.1	65.2	68.4	69.6	69.6	69.0	67.7	66.4	64.2	61.7	
	250	56.3	64.7	68.5	69.7	69.5	68.7	67.1	66.1	63.9	61.2	
	315	52.8	60.2	63.6	64.1	64.4	63.1	61.6	60.0	58.3	55.1	
	400	48.0	55.1	59.2	61.2	61.3	60.0	58.5	57.5	55.6	52.5	
	500	44.5	53.1	56.2	58.4	58.4	57.1	55.7	54.8	52.8	50.4	
	630	56.9	65.8	70.8	71.7	71.8	68.8	67.8	66.8	64.9	60.8	
	800	49.7	59.4	63.3	64.0	63.6	61.1	59.7	58.7	56.6	53.4	
	1000	47.0	57.0	60.3	60.6	58.7	57.2	55.3	53.9	52.3	50.3	
	1250	54.9	65.8	69.0	70.3	67.2	64.5	63.2	60.2	58.9	56.8	
	1600	51.8	62.2	65.6	66.2	64.1	61.7	59.2	57.3	56.2	53.9	
	2000	53.5	65.0	69.2	69.9	69.2	66.0	63.0	61.7	60.4	58.6	
	2500	51.6	64.3	69.3	70.8	69.5	67.6	63.7	62.0	59.9	58.0	
	3150	50.3	63.2	68.5	70.7	69.6	67.8	64.3	61.8	60.0	57.2	
	4000	46.9	60.9	66.6	69.3	69.2	67.0	63.5	61.5	58.4	57.7	
	5000	43.5	58.0	65.0	67.1	67.0	64.9	61.5	58.8	55.2	53.7	
	6300	38.3	55.6	62.8	65.8	65.9	63.4	59.3	57.4	52.5	50.5	
	8000	30.4	50.8	59.4	63.5	63.3	62.3	58.3	55.1	49.7	48.1	
	10000	20.9	44.8	56.0	60.2	61.3	59.5	57.3	53.0	47.1	44.7	
OVERALL CALCULATED PND8		66.8	75.8	79.9	81.4	80.8	79.3	77.8	77.0	75.3	73.0	
		75.1	87.0	92.0	94.0	93.2	91.4	88.5	86.6	84.4	82.0	

Run 40/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. RATE = MONTH 7 DAY 20 HR. 14.1																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PmL
		FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL 17. FT.	80																		
(5. M)	100	70.3	70.0	69.3	67.9	65.6	65.9	68.7	70.5	71.9	72.1	71.8							103.4
VEHICLE UTHS1M	125	78.3	78.8	77.3	76.1	75.6	74.4	72.7	72.3	73.2	73.6	73.1							107.4
CONFIG 5+2	160	77.1	75.3	74.5	76.4	76.1	74.6	72.7	72.0	71.7	70.1	69.0							106.6
LOC SCHENECTADY	200	78.1	80.0	80.3	79.1	78.3	78.4	77.7	77.5	75.9	72.6	71.3							110.2
DATE 7/17/79	250	86.5	85.5	85.0	84.4	83.1	82.1	81.7	81.9	81.2	79.3	78.0							115.0
PJM 40/5	315	89.1	89.3	88.3	87.9	86.3	84.6	82.9	82.5	81.7	80.6	78.5							117.3
TAFE	400	85.3	85.3	84.8	84.9	84.1	82.9	80.9	79.0	77.2	75.1	73.5							114.2
BAR 30.0 HG	500	83.8	83.8	83.3	83.4	81.6	79.6	77.9	76.8	74.9	73.4	71.8							112.0
(01305. N/M2)	630	87.8	87.5	86.8	87.4	85.6	84.6	82.2	80.1	77.7	75.4	73.1							119.9
TAMB 77. DEG F	800	85.1	87.8	87.8	87.9	88.3	84.9	82.7	80.6	78.2	76.1	73.3							116.5
(298. DEG K)	1000	85.1	84.5	83.8	83.6	81.6	79.4	77.1	75.1	73.0	71.1	68.0							111.0
TNET 73. DEG F	1250	81.8	81.1	79.8	79.9	78.3	77.6	75.1	72.6	70.7	68.7	65.8							106.8
(296. DEG K)	1600	77.6	77.8	78.1	77.4	76.4	75.4	72.9	69.9	67.8	66.0	63.5							100.5
HACT19.07 GH/M3	2000	78.9	81.3	81.3	80.7	79.1	76.9	74.4	71.9	69.3	67.3	65.3							109.0
(.01907 KG/M3)	2500	89.6	94.3	94.8	91.3	90.9	88.1	86.6	83.4	82.3	79.5	77.3							121.0
NFA 8243. RPM	3150	83.3	83.1	82.3	81.2	79.1	76.0	73.6	70.6	68.3	66.3	64.5							109.3
(863. RAD/SEC)	4000	85.3	84.5	84.2	83.1	81.0	77.9	74.5	71.3	68.7	66.2	65.1							111.0
NFK 8104. RPM	5000	91.5	91.2	91.6	90.1	88.7	85.9	82.4	79.0	76.4	74.4	72.3							118.4
(848. RAD/SEC)	6300	92.1	91.0	90.9	90.5	87.4	85.1	81.3	77.2	75.0	73.2	71.2							117.9
NFC 11517. RPM	8000	93.9	92.8	92.9	93.1	90.7	88.3	85.1	81.5	77.9	75.2	73.2							120.8
(1206. RAD/SEC)	10000	91.8	92.8	92.5	93.5	91.4	89.4	86.2	82.5	79.1	76.1	73.6							121.4
NO. OF BLADES 18	12500	90.8	91.1	90.9	92.0	90.3	88.6	85.7	81.5	77.6	74.5	72.0							120.4
FAN TIP SPEED	15000	88.4	88.1	87.9	90.4	88.6	87.2	84.3	80.0	76.8	71.7	69.7							118.9
720. FT/SEC	20000	87.7	87.9	88.0	88.8	87.6	86.7	83.8	78.9	75.4	69.4	66.6							116.5
	25000	85.7	86.4	86.3	87.6	86.5	85.2	82.9	78.2	73.2	67.4	64.9							117.0
	31500	84.7	85.2	84.4	86.1	85.8	84.1	81.6	77.5	72.9	65.3	61.8							117.6
	40000	81.4	81.7	80.5	82.8	81.9	80.4	77.8	74.4	70.8	62.0	58.9							119.3
	50000	77.5	77.6	76.9	79.3	77.3	75.1	74.7	70.1	68.3	59.4	58.2							113.1
	63000	70.8	70.6	69.9	72.6	70.0	67.2	67.6	64.1	62.8	57.0	58.4							108.9
	80000	70.0	69.6	68.4	71.0	69.7	60.9	60.9	60.2	60.8	57.9	60.6							110.9
OVERALL MEASURED																			
OVERALL CALCULATED		102.0	102.3	102.2	102.0	100.4	95.5	96.0	93.0	90.9	88.5	86.6							131.0
PNR		113.1	114.5	114.5	112.6	111.5	109.2	107.1	104.3	102.7	100.3	98.3							

Run 40/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 20 NO. 14.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ. (0.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SIDELINE 500. FT.	50	37.8	44.7	50.9	53.2	53.5	52.7	52.9	53.0	51.9	51.1
(152.40 M)	63	41.9	49.9	53.3	55.2	57.0	57.5	58.2	57.0	53.8	52.4
NFA 2322. RPM	100	49.6	54.1	58.1	59.6	60.5	61.3	61.5	62.1	60.4	58.9
(243. RAD/SEC)	125	44.9	52.2	57.9	60.0	60.8	60.1	59.1	57.7	55.8	54.1
NFK 2283. RPM	160	42.6	50.8	55.9	57.2	57.2	56.9	56.6	55.2	53.8	52.1
(239. RAD/SEC)	200	45.6	53.8	59.6	60.9	62.0	60.9	59.7	57.8	55.6	53.2
NFD 3244. RPM	250	45.0	54.2	59.6	61.3	62.0	61.1	60.0	58.1	56.2	53.2
(340. RAD/SEC)	315	40.8	49.6	54.9	56.2	56.2	55.4	54.2	52.6	51.0	47.7
AIRFLOW RATIO	400	36.3	44.9	50.7	52.6	54.1	53.1	51.5	50.2	48.3	45.2
WF/HM 12.60	500	35.6	45.8	51.0	53.0	53.0	52.0	50.5	48.5	46.6	44.5
	630	47.4	58.5	60.8	64.3	63.9	64.0	61.7	61.2	58.6	56.2
	800	34.8	45.1	50.4	52.1	51.5	50.6	48.7	46.9	45.1	43.1
VEHICLE UTMSIM	1000	34.7	46.2	51.7	53.5	53.0	51.2	49.0	47.1	44.8	43.5
CONFIG C*2	1250	39.7	52.6	58.0	60.6	60.4	58.7	56.4	54.4	52.6	50.3
LCC SCHENECTADY	1600	37.3	50.6	57.5	58.7	59.2	57.2	54.1	52.6	50.8	48.8
DATE 7/17/75	2000	36.8	51.4	59.3	61.3	61.8	60.4	58.0	55.1	52.6	50.3
RUN 40/5	2500	34.3	49.7	58.9	61.5	62.4	61.2	58.7	55.9	53.2	50.4
TAPE	3150	28.4	46.1	56.1	59.4	60.9	60.2	57.1	53.9	51.0	48.3
FAH TIP SPEED	4000	19.3	40.2	52.6	56.3	58.3	57.6	54.7	52.3	47.5	45.2
720. FT/SEC	5000	15.7	38.6	50.1	54.7	57.3	56.8	53.4	50.7	44.9	41.9
	6300	3.8	32.1	45.7	51.2	54.0	54.4	51.3	47.2	41.6	38.4
	8000		22.5	39.2	46.9	50.0	50.5	48.4	44.8	37.8	33.7
	10000		8.0	29.1	37.9	42.3	43.4	42.2	39.9	31.5	28.0
OVERALL CALCULATED		55.8	65.1	70.3	72.5	73.1	72.4	71.1	69.9	68.0	65.9
PND8		59.5	72.7	80.8	83.6	84.6	83.7	81.3	79.0	76.0	73.4
	50	48.2	54.5	59.9	61.8	61.9	61.0	61.1	61.2	59.7	59.3
SIDELINE 200. FT.	63	52.5	60.0	62.5	64.0	65.6	66.0	66.5	65.4	62.2	60.7
(60.96 M),	80	57.6	64.5	67.6	68.6	69.2	69.9	70.0	70.5	68.8	67.4
	100	60.9	67.6	70.9	71.7	71.6	71.0	71.4	71.0	70.0	67.8
	125	56.5	63.9	67.8	69.4	69.8	69.0	67.8	66.4	64.5	62.8
	160	54.5	62.1	66.1	66.8	66.5	65.9	65.5	64.1	62.7	60.9
	200	57.8	65.4	70.0	70.6	71.4	70.0	68.7	66.8	64.6	62.1
	250	57.6	66.1	70.3	71.3	71.5	70.4	69.1	67.2	65.3	62.3
	315	53.8	61.9	65.9	66.4	65.9	64.8	63.6	61.9	60.2	57.0
	400	49.8	57.6	62.0	63.0	64.0	62.7	61.0	59.6	57.7	54.6
	500	49.5	58.8	62.6	63.6	63.2	61.9	60.2	58.0	56.2	54.0
	630	61.9	72.0	72.6	75.2	74.3	74.0	71.6	71.0	68.3	65.9
	800	50.0	59.1	62.6	63.3	62.1	60.8	58.7	56.9	55.0	53.0
	1000	50.7	60.7	64.3	65.0	63.9	61.6	59.3	57.2	54.9	53.6
	1250	56.6	67.7	71.0	72.5	71.6	69.4	66.9	64.6	63.0	60.7
	1600	55.4	64.5	71.1	71.0	70.7	68.2	64.9	63.3	61.4	59.5
	2000	56.2	66.1	73.5	74.1	73.7	71.8	69.2	66.0	63.5	61.3
	2500	55.3	67.3	73.7	74.7	74.7	72.9	70.1	67.2	64.4	61.7
	3150	52.0	64.9	71.8	73.3	73.8	72.5	69.0	65.6	62.7	60.0
	4000	48.8	61.0	69.6	71.3	72.1	70.7	67.3	64.7	59.8	57.6
	5000	45.5	60.7	67.9	70.3	71.6	70.3	66.4	63.5	57.6	54.7
	6300	40.2	57.4	65.8	68.6	69.8	69.2	65.5	61.1	55.5	52.4
	8000	33.1	53.0	62.0	67.0	68.1	67.4	64.5	60.5	53.4	49.4
	10000	21.6	45.7	57.1	61.9	63.6	63.1	61.0	58.1	49.6	46.2
OVERALL CALCULATED		69.0	78.5	82.8	84.1	84.2	83.0	81.0	79.5	77.2	75.1
PND8		77.9	89.6	95.5	96.9	97.0	95.8	92.9	90.3	87.2	84.6

ORIGINAL PAGE IS OF POOR QUALITY

Run 40/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.1

	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)														PWL		
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.		0.	
FREQ. 50	10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	0.	0.	0.	0.	0.	
FREQ. 63	10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	0.	0.	0.	0.	0.	
FREQ. 80	10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	0.	0.	0.	0.	0.	
RADIAL 17. FT. (5. M)	100	70.8	71.8	69.8	68.4	66.6	66.9	69.7	71.5	72.2	73.1	72.8					104.3
VEHICLE UTMSIM	125	79.6	79.5	78.3	76.6	76.6	75.1	73.4	73.5	74.2	73.4	73.1					108.1
CONFIG 6+2	160	79.1	76.8	76.3	78.1	77.6	76.1	73.9	73.5	73.4	71.4	70.6					107.9
LCC SCHEMECTADY	200	78.8	81.0	80.8	80.1	79.1	79.4	78.4	78.5	76.9	74.3	72.5					111.1
DATE 7/17/75	250	87.0	86.3	85.8	85.1	84.3	82.9	82.7	82.3	82.4	80.8	78.8					110.0
RLI 40/8	315	90.6	90.8	89.8	89.6	87.8	85.9	84.4	83.5	82.7	81.6	79.3					118.7
TAFE	400	86.8	87.3	86.8	86.3	86.3	84.9	82.9	81.0	79.2	77.4	75.0					110.3
RAP 30.0 HG	560	84.8	84.8	84.8	84.9	82.8	81.1	79.4	78.3	77.2	74.9	73.5					113.5
(01305. N/H2)	630	87.3	87.3	87.1	87.2	85.3	84.1	82.2	80.1	77.7	75.1	72.8					115.7
TAM6 77. DEG F	860	87.8	87.5	87.3	87.6	86.6	84.9	82.7	80.1	78.0	75.9	73.3					116.3
(298. DEG K)	1000	84.8	84.5	82.6	82.9	80.8	79.4	77.6	75.3	73.2	71.4	68.5					111.6
T-ET 73. DEG F	1250	82.1	81.3	79.3	79.9	79.6	78.6	76.4	74.4	72.0	70.7	67.0					109.8
(296. DEG K)	1600	79.1	79.8	80.3	80.7	78.9	77.4	75.1	72.9	70.3	69.0	66.8					109.0
HACT19.67 GH/M3	2000	79.1	80.3	81.1	81.5	79.6	77.4	74.9	71.6	69.0	67.8	65.8					109.3
(.01907 KG/M3)	2500	93.1	92.8	94.3	94.5	91.4	88.3	84.4	81.1	79.8	77.0	76.0					121.3
NFA 9399. RPM	3150	93.3	93.3	95.0	94.9	91.8	88.5	85.1	81.6	80.0	77.3	76.2					121.8
(984. RAD/SEC)	4000	84.5	85.0	84.4	83.6	82.0	79.4	76.5	73.3	71.5	69.0	67.1					111.9
NFK 9240. RPM	5000	89.2	89.9	91.8	89.8	89.7	87.4	84.6	80.0	77.4	76.4	73.6					119.0
(967. RAD/SEC)	6300	92.4	92.0	94.4	92.5	92.1	90.1	87.1	82.4	79.8	78.8	76.0					121.6
NFC 11517. RPM	8000	93.9	94.8	94.2	93.6	91.9	90.5	87.8	84.5	80.9	78.9	76.2					122.3
(1206. RAD/SEC)	10000	92.8	94.3	94.0	94.3	92.9	91.4	88.5	84.7	81.6	78.1	75.3					122.9
NO. OF BLADES 18	12500	92.8	93.8	92.9	94.8	93.8	91.6	89.4	85.7	82.3	78.0	75.5					123.4
FAN TIP SPEED	16000	90.4	90.9	90.7	93.4	91.1	90.5	87.8	84.0	81.5	78.0	72.9					122.0
821. FT/SEC	20000	88.7	89.6	90.5	90.8	90.9	89.9	87.8	84.4	80.7	75.4	71.4					121.6
	25000	87.4	88.4	87.5	89.4	88.7	88.2	85.9	83.0	79.2	73.1	69.0					120.4
	31500	85.9	86.4	86.1	88.1	88.0	87.1	84.3	82.0	78.4	71.5	66.8					120.2
	40000	82.1	82.7	81.7	84.3	84.1	82.4	81.5	78.4	76.0	68.0	63.8					117.7
	50000	77.5	77.8	76.9	80.1	78.5	77.6	77.7	73.6	72.5	63.9	60.7					114.9
	63000	70.8	70.8	69.9	73.1	71.2	69.0	70.1	67.3	65.8	58.8	58.9					110.4
	80000	70.0	69.6	69.4	71.0	69.7	61.4	61.7	60.5	60.8	57.9	60.6					110.0
OVERALL MEASURED																	
OVERALL CALCULATED	103.2	103.6	103.9	104.2	102.7	101.0	98.5	95.5	93.1	90.4	88.2						133.2
PNCB	115.0	115.2	116.1	115.9	113.7	111.2	108.3	105.3	103.5	101.3	99.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)
50	39.3	46.2	52.6	54.7	55.0	54.0	54.4	54.7	52.8	51.8	
63	42.9	50.4	54.3	55.9	58.0	58.3	59.2	58.0	55.6	53.7	
SIDELINE 500. FT. (152.40 M)	80	47.3	54.9	58.8	60.8	61.2	62.3	62.7	63.3	61.9	59.7
NFA 2847. RPM (277. RAD/SEC)	100	51.1	58.4	63.0	64.1	64.0	63.8	64.0	63.4	62.5	60.0
NFK 2603. RPM (272. RAD/SEC)	125	46.9	54.9	59.9	62.3	62.8	62.1	61.1	59.7	58.0	56.3
NFD 3244. RPM (340. RAD/SEC)	160	43.6	52.3	57.4	58.4	58.7	58.4	58.1	57.5	55.3	53.8
AIRFLOW RATIO WF/W 12.60	200	45.3	54.0	59.3	60.6	61.5	60.9	59.7	57.8	55.4	52.9
	250	44.7	53.7	59.4	61.5	62.0	61.1	59.5	57.8	55.9	53.2
	315	40.8	48.3	54.2	55.4	56.2	55.9	54.5	52.9	51.2	48.2
	400	36.6	44.4	50.7	53.8	55.1	54.3	53.2	51.4	50.3	46.5
	500	34.1	44.8	51.0	52.7	53.5	52.8	51.5	49.5	48.3	46.0
	630	45.9	58.0	64.3	64.8	64.1	61.7	59.5	58.7	56.1	54.9
	800	45.0	57.9	64.1	64.8	64.0	62.1	59.7	58.7	56.1	54.9
VEHICLE UTMSH CONFIG B+2	1000	35.2	46.4	52.2	54.5	54.5	53.2	51.0	49.8	47.5	45.5
LCC SCHENECTADY	1250	38.5	52.8	57.7	61.6	61.9	60.9	57.4	55.4	54.6	51.6
DATE 7/17/75	1600	38.3	54.1	59.5	63.5	64.2	62.9	59.4	57.4	56.6	53.5
RUN 40/6	2000	38.8	52.6	59.8	62.6	64.0	63.2	61.0	58.1	56.3	53.3
TAPE	2500	35.8	51.2	59.6	63.0	64.4	63.4	60.9	58.4	55.2	52.2
FAN TIP SPEED 820. FT/SEC	3150	30.9	48.1	54.8	62.9	63.9	63.7	61.3	58.6	54.5	51.8
	4000	22.1	42.9	55.6	58.8	61.6	61.1	56.7	56.8	51.7	48.4
	5000	17.5	41.3	52.1	58.0	60.6	60.8	58.9	56.0	50.9	46.6
	6300	5.8	33.4	47.4	53.5	57.0	57.4	56.0	53.2	47.4	42.9
	8000		24.2	41.2	49.1	53.0	53.3	52.9	50.3	43.8	38.7
	10000		9.2	30.6	40.2	44.3	47.1	46.2	45.1	37.5	32.5
OVERALL CALCULATED PNDB		56.7	66.4	72.3	74.4	75.0	74.3	72.8	71.5	69.5	67.2
		60.2	74.3	82.4	85.9	87.1	86.7	84.6	82.3	78.9	76.0

50	49.7	56.0	61.6	63.3	63.4	62.3	62.6	62.9	61.0	60.1
63	53.5	60.5	63.5	64.7	66.6	66.7	67.5	66.4	63.9	62.0
SIDELINE 200. FT. (60.96 M)	80	58.3	65.3	68.3	69.8	70.0	70.9	71.2	71.8	70.3
	100	62.4	69.1	72.7	73.2	72.9	72.5	72.7	72.0	71.0
	125	58.5	65.9	69.8	71.6	71.8	71.0	69.8	68.4	66.7
	160	55.5	63.6	67.6	68.0	68.0	67.4	67.0	66.3	64.2
	200	57.6	65.6	69.7	70.4	70.9	70.0	68.7	66.8	64.3
	250	57.3	65.6	70.1	71.5	71.5	70.4	68.6	67.0	65.0
	315	53.8	60.6	65.1	65.6	65.9	65.3	63.8	62.1	60.4
	400	50.1	57.1	62.0	64.2	65.0	64.0	62.7	60.8	59.7
	500	48.0	57.8	62.6	63.4	63.7	62.6	61.2	59.0	57.9
	630	60.4	71.5	76.1	75.7	74.5	71.8	69.3	68.5	65.8
	800	60.2	71.9	76.4	76.0	74.6	72.3	69.7	68.6	66.0
	1000	51.2	60.9	64.8	66.0	65.4	63.6	61.3	60.0	57.6
	1250	55.4	68.0	70.8	73.5	73.1	71.7	67.9	65.8	65.0
	1600	56.4	70.0	73.1	75.8	75.7	74.0	70.2	68.0	67.2
	2000	58.2	69.3	74.0	75.4	76.0	74.6	72.2	69.0	67.2
	2500	56.8	68.8	74.4	76.2	76.7	75.2	72.3	69.7	66.4
	3150	54.5	66.9	74.5	76.8	76.8	76.0	73.2	70.3	66.2
	4000	49.6	63.7	72.6	73.8	75.4	74.2	71.3	69.2	64.0
	5000	47.2	63.2	69.9	73.5	74.9	74.3	71.9	68.7	63.6
	6300	42.2	58.7	67.5	70.8	72.6	72.2	70.3	67.1	61.2
	8000	34.4	54.7	64.9	69.2	71.1	70.2	69.0	66.0	59.4
	10000	22.6	46.9	59.2	64.1	65.6	66.8	65.0	63.4	55.6
OVERALL CALCULATED PNDB		70.0	80.1	84.9	86.3	86.5	85.4	83.3	81.5	79.1
		79.3	91.3	97.4	99.5	99.8	98.8	96.4	93.9	87.4

Run 40/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PRCC. DATE - MONTH 9 DAY 28 HR. 14.1																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL 17. FT.	80																		
(5. M)	100	71.6	71.5	70.0	68.9	66.8	67.3	69.8	71.8	73.4	74.1	73.8							109.0
VEHICLE UTMSIM	125	79.6	79.5	78.0	76.9	76.6	75.3	73.8	73.8	74.7	74.4	73.6							106.4
CONFIG 0+2	160	78.8	76.8	76.0	77.9	77.3	76.3	74.3	74.0	73.7	71.9	71.8							108.0
LCC SCHENECTADY	200	79.6	81.8	81.8	80.6	79.8	80.0	79.5	79.3	77.9	75.1	73.8							112.0
DATE 7/17/75	250	88.3	87.0	86.8	86.4	85.3	84.0	83.0	83.5	83.2	81.6	79.8							116.8
RUN 40/77	315	91.3	91.3	90.3	90.1	88.1	86.5	84.5	83.8	83.2	81.8	80.0							119.1
TAPE	400	88.3	88.5	88.0	87.9	86.8	86.0	84.5	82.8	80.4	79.4	76.8							117.9
BAP 30.0 HG	500	86.3	86.3	85.8	86.4	84.1	82.3	81.3	79.8	78.4	77.1	75.5							114.9
(01305. N/HZ)	630	86.1	85.8	85.8	85.9	84.3	83.6	81.3	79.3	76.7	75.1	72.1							114.8
TAMB 78. DEG F	800	86.8	85.8	85.8	85.4	84.6	83.0	81.5	79.3	77.5	75.1	72.5							114.7
(299. DEG K)	1000	84.3	83.5	82.1	82.1	80.6	79.5	77.0	75.3	73.5	71.9	69.3							111.1
T-ET 73. DEG F	1250	80.8	80.8	80.1	81.4	80.3	79.5	77.7	75.4	73.7	72.2	68.8							110.6
(296. DEG K)	1630	78.6	79.8	81.8	82.2	80.6	78.8	76.5	74.1	72.0	70.5	68.5							110.4
HACT 18.76 GM/HZ	2000	86.9	81.1	80.6	81.7	80.4	78.5	76.0	73.6	70.8	69.0	67.0							110.0
(.01876 KG/HZ)	2500	86.4	87.3	86.8	84.7	84.1	81.0	78.2	75.9	74.1	71.5	70.3							113.8
NFA 10604. RPM	3150	101.6	103.8	104.8	96.7	99.6	94.7	90.7	88.9	87.8	83.3	83.0							128.1
(1110. RAD/SEC)	4000	87.8	89.7	89.2	86.6	85.0	82.6	80.6	77.5	75.5	73.9	71.4							115.7
NFK 10415. RPM	5000	90.5	89.9	89.3	88.8	88.7	85.5	82.5	79.5	77.4	75.2	73.3							117.2
(1090. RAD/SEC)	6300	98.1	100.0	97.1	96.2	96.4	93.8	92.4	87.9	85.8	82.5	82.7							126.0
NFD 11517. RPM	8000	92.4	93.1	93.4	92.4	90.9	88.9	86.9	84.5	81.6	78.2	75.7							121.3
(1206. RAD/SEC)	10000	93.8	96.1	96.3	96.5	96.2	93.1	92.3	88.5	86.1	82.1	79.1							125.6
NO. OF BLADES 18	12500	93.5	95.3	95.6	96.0	96.0	94.5	95.0	90.5	88.6	84.3	81.5							126.6
FAN TIP SPEED	16000	91.2	92.7	92.7	95.0	93.4	93.4	91.2	88.2	86.8	81.5	77.9							124.8
926. FT/SEC	20000	91.2	92.4	93.0	93.3	93.4	92.8	91.9	88.2	86.7	81.4	77.4							124.8
	25000	90.0	90.9	90.6	91.9	92.3	90.9	89.3	87.0	85.0	80.7	75.3							123.7
	31500	88.5	89.0	88.7	90.7	90.8	89.1	87.7	85.6	83.9	78.6	72.6							123.1
	40000	84.7	85.3	84.3	86.9	86.2	85.1	84.2	82.0	81.1	75.1	69.7							120.6
	50000	79.9	79.9	80.0	82.4	81.1	79.9	80.3	77.5	77.1	70.0	66.0							117.8
	63000	72.4	72.0	72.0	75.2	73.1	72.5	73.6	71.4	70.0	63.4	61.3							113.3
	80000	70.2	69.8	68.6	71.2	69.9	70.3	70.7	70.2	61.7	58.1	60.8							114.2
OVERALL MEASURED																			
OVERALL CALCULATED		105.6	107.5	107.6	105.2	105.4	103.1	101.7	98.6	97.0	93.3	91.1							135.9
PNDR		119.6	121.3	121.6	116.7	117.8	114.2	111.3	109.2	107.8	104.4	103.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT SKL. MWR. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.4	54.5	55.2	54.3	54.9	55.0	53.3	53.1						
	63	43.6	51.4	54.8	56.7	58.7	59.4	59.9	59.0	56.3	54.9						
	80	48.1	55.9	60.1	61.8	62.4	62.6	64.0	64.1	62.6	60.7						
	100	51.6	58.9	63.5	64.3	64.7	63.9	64.0	63.9	62.7	60.7						
NFA 2987. RPM (313. RAD/SEC)	125	48.2	56.1	60.9	62.8	63.9	63.7	62.8	61.0	60.0	57.3						
NFK 2934. RPM (307. RAD/SEC)	160	45.1	53.3	58.9	59.7	59.9	60.2	59.6	58.7	57.6	55.8						
NFD 3244. RPM (346. RAD/SEC)	200	43.8	52.8	58.1	59.6	60.9	60.0	58.9	58.9	55.4	52.2						
AIRFLOW RATIO WF/W 12.60	250	43.0	52.2	57.1	59.5	60.1	60.0	58.7	57.3	55.2	52.4						
	315	39.8	47.8	53.4	55.2	56.3	55.2	54.5	53.1	51.7	49.0						
	400	35.6	45.2	52.2	54.6	56.0	55.7	54.3	53.2	51.8	48.2						
	500	34.1	46.3	52.5	54.5	54.9	54.1	52.8	51.2	49.8	47.7						
	630	34.1	44.2	51.5	53.8	54.3	53.3	52.0	49.7	48.1	45.9						
	800	39.0	49.6	53.9	57.1	58.4	55.2	53.9	52.7	50.3	48.9						
VEHICLE UTMSIM CONFIG 6*2	1000	54.0	66.7	65.2	72.1	69.7	67.3	66.6	66.1	61.8	61.3						
	1250	38.3	50.1	54.5	56.9	57.2	56.8	54.7	53.5	51.2	49.4						
LOC SCHEHECTADY	1600	36.2	49.0	55.8	57.9	59.5	58.2	56.4	55.0	52.9	50.8						
DATE 7/17/75	2000	43.9	55.5	62.3	66.9	67.2	67.7	64.4	62.9	59.8	59.8						
RUN 40/7	2500	34.4	50.5	57.6	60.8	61.8	61.7	60.5	58.3	55.1	52.4						
TAPE	3150	33.2	51.3	60.4	65.1	65.1	66.4	63.9	62.2	58.4	55.2						
FAN TIP SPEED 926. FT/SEC	4000	28.2	47.5	57.8	63.4	65.3	68.0	64.9	63.7	59.7	56.7						
	5000	20.1	43.0	55.8	60.1	63.7	63.7	62.3	61.4	56.6	52.8						
	6300		9.2	38.2	50.7	57.5	61.0	62.7	60.6	60.0	55.0	50.7					
	8000			27.8	44.1	52.4	55.9	57.3	56.9	56.0	51.9	46.2					
	10000			14.8	35.6	45.5	49.6	51.9	52.0	51.6	46.7	40.3					
OVERALL CALCULATED		58.5	69.1	72.1	76.2	76.2	76.2	74.8	73.8	71.1	69.2						
PND8		63.6	77.0	83.1	87.4	88.2	89.5	87.2	86.0	82.4	79.7						

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	50	49.7	56.0	61.4	63.1	63.6	62.6	63.1	63.2	61.5	61.3						
	63	54.3	61.5	64.0	65.5	67.2	67.8	68.3	67.4	64.7	63.2						
SIDELINE 200. FT. (60.96 M)	80	59.1	66.3	69.6	70.8	71.1	71.2	72.5	72.5	71.1	69.1						
	100	62.9	69.6	73.2	73.5	73.6	72.6	72.7	72.5	71.3	69.3						
	125	59.7	67.1	70.8	72.1	73.0	72.6	71.6	69.7	68.7	66.0						
	160	57.0	64.6	69.1	69.3	69.1	69.2	68.5	67.6	66.4	64.7						
	200	56.1	64.4	68.5	69.4	70.3	69.1	68.0	65.8	64.3	61.1						
	250	55.6	64.1	67.8	69.5	69.7	69.3	67.9	66.5	64.3	61.5						
	315	52.8	60.1	64.4	65.4	65.1	64.7	63.8	62.4	60.9	58.2						
	400	49.1	57.8	63.5	65.0	65.9	65.3	63.7	62.6	61.2	57.6						
	500	48.0	59.3	64.1	65.1	65.1	64.0	62.4	60.8	59.4	57.3						
	630	48.7	57.8	63.4	64.7	64.7	63.4	61.8	59.4	57.8	55.7						
	800	54.2	63.6	66.1	68.3	67.0	65.5	64.0	62.6	60.2	58.8						
	1000	70.0	81.2	77.9	83.6	80.6	77.8	76.8	76.2	71.9	71.4						
	1250	55.1	65.3	67.6	68.8	68.3	67.6	65.2	63.8	61.5	59.7						
	1600	54.3	64.9	69.4	70.2	71.0	69.3	67.2	65.6	63.5	61.5						
	2000	63.3	72.2	76.5	79.7	79.1	79.1	75.5	73.8	70.7	70.8						
	2500	55.4	68.0	72.3	74.1	74.1	73.5	72.0	69.6	68.3	63.6						
	3150	56.8	70.1	76.1	79.0	78.0	78.7	75.8	73.9	70.1	66.9						
	4000	53.7	68.4	74.9	78.3	79.1	81.1	77.5	76.1	72.0	69.1						
	5000	49.8	65.0	73.6	75.5	78.0	77.3	75.3	74.2	69.3	65.5						
	6300	45.6	63.5	70.9	74.9	76.8	77.5	74.9	74.0	68.9	64.7						
	8000	38.0	58.3	67.7	72.5	74.0	74.2	73.1	71.7	67.6	62.0						
	10000	27.5	52.5	64.1	69.5	70.9	71.6	70.8	69.9	64.8	58.6						
OVERALL CALCULATED		73.0	83.4	85.2	88.5	88.1	88.0	85.9	84.7	81.4	79.3						
PND8		81.9	93.1	97.3	101.1	101.3	102.0	99.4	98.0	94.3	91.5						

Run 40/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.2

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 76 PERCENT REL. HUM., DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 10. 20. 30. 40. 50.)	
SIDELINE 500. FT.	50	38.5	45.9	54.1	54.5	54.7	53.8	54.6	54.5	54.0	53.1		
	63	43.9	51.4	58.0	56.9	58.9	59.9	60.2	59.3	58.8	54.9		
	80	48.1	55.9	60.1	61.3	62.7	62.9	63.7	64.1	62.6	60.4		
(192.40 M)	100	52.1	59.1	63.7	64.3	64.2	64.2	64.0	64.1	63.2	61.0		
NFA 3154. RPM	125	48.4	56.1	61.6	62.8	64.4	64.4	62.8	61.7	60.3	57.6		
(330. RAD/SEC)	160	44.9	53.3	59.4	60.2	60.4	60.4	59.9	59.2	57.8	55.6		
NFK 3098. RPM	200	43.6	52.5	58.3	59.1	60.4	60.0	58.7	57.6	55.4	53.4		
(324. RAD/SEC)	250	42.2	51.0	56.6	58.5	58.9	58.5	57.5	56.3	54.4	51.4		
NFD 3244. RPM	315	38.6	47.3	53.7	54.7	55.3	55.5	54.7	53.6	51.7	49.7		
(340. RAD/SEC)	400	35.8	45.2	56.0	54.3	55.7	55.2	54.3	52.9	51.3	48.5		
AIRFLOW RATIO	500	34.6	46.3	52.5	54.5	55.2	54.6	55.3	52.0	50.8	48.5		
WF/W 12.60	630	35.4	44.0	51.5	53.3	54.1	53.6	54.0	50.5	48.6	46.7		
	800	38.0	48.9	53.1	55.6	56.6	56.4	54.9	53.7	51.8	49.6		
VEHICLE UTHS/M	1000	52.3	66.0	67.7	72.3	70.2	69.3	68.8	66.6	64.5	61.5		
CONFIG R+2	1250	42.3	54.9	58.2	62.4	60.9	60.3	59.7	57.5	55.7	53.1		
LOC SCHENECTADY	1600	36.0	48.8	55.3	56.9	58.5	59.5	57.6	56.0	53.9	51.1		
DATE 7/17/75	2000	44.1	59.7	64.3	66.2	69.7	67.4	65.9	64.1	61.8	58.8		
RUN: 40/8	2500	35.1	51.7	58.1	61.6	63.3	62.5	62.0	59.6	57.1	53.9		
TAPE	3150	34.2	52.5	61.1	65.8	67.1	68.4	66.6	65.4	62.4	58.4		
FAH TIP SPEED	4000	26.9	48.3	57.8	63.9	66.3	66.3	65.6	64.2	60.4	56.7		
978. FT/SEC	5000	20.8	44.2	56.3	61.0	63.9	64.5	63.0	62.9	58.0	53.7		
	6300	9.9	39.1	51.5	57.7	61.5	62.4	61.3	61.2	56.7	51.9		
	8000		29.0	45.0	52.9	56.8	59.0	57.9	57.4	53.9	47.7		
	10000		16.0	36.3	45.9	50.6	53.1	53.2	52.8	48.6	43.0		
OVERALL CALCULATED		58.1	69.2	73.4	76.4	77.1	76.8	75.9	74.7	72.4	69.5		
PND8		63.0	77.9	84.0	87.9	89.4	89.9	88.6	87.4	84.5	80.8		
	50	49.0	55.7	63.1	63.1	63.1	62.1	62.9	62.7	62.2	61.3		
	63	54.5	61.5	67.2	65.7	67.5	68.3	68.6	67.6	65.2	63.2		
SIDELINE 200. FT.	80	59.1	66.3	69.6	70.3	71.4	71.5	72.2	72.5	71.1	68.9		
(60.96 M)	100	63.4	69.8	73.4	73.5	73.1	72.9	72.7	72.7	71.8	69.6		
	125	60.0	67.1	71.5	72.1	73.5	73.3	71.6	70.4	69.0	66.3		
	160	56.8	64.6	69.8	69.8	69.6	69.5	68.8	68.1	66.7	64.4		
	200	55.8	64.1	68.7	68.9	69.8	69.1	67.7	66.5	64.3	62.4		
	250	54.8	62.9	67.3	68.5	68.4	67.8	66.7	65.5	63.5	60.5		
	315	51.6	59.6	64.6	64.9	65.1	64.9	64.1	62.9	60.9	59.0		
	400	49.3	57.8	62.2	64.7	65.7	64.8	63.7	62.3	60.7	57.9		
	500	48.5	59.3	64.1	65.1	65.3	64.5	64.9	61.5	60.4	58.0		
	630	49.9	57.5	63.6	64.2	64.4	63.6	63.8	60.2	58.3	56.4		
	800	53.2	62.9	65.4	66.8	67.3	66.7	65.0	63.6	61.7	59.6		
	1000	68.3	80.5	80.4	83.8	81.1	79.8	79.1	76.7	74.6	71.7		
	1250	59.1	70.0	71.3	74.3	72.1	71.1	70.2	67.8	66.0	63.5		
	1600	54.1	64.7	68.9	69.2	70.0	70.6	68.4	66.6	64.5	61.7		
	2000	63.5	76.5	78.5	79.0	81.6	78.9	77.0	75.1	72.7	69.8		
	2500	56.1	69.3	72.8	74.8	75.6	74.2	73.5	70.8	68.3	65.1		
	3150	57.8	71.4	76.8	79.8	80.0	80.7	78.5	77.1	74.1	70.1		
	4000	54.4	69.1	74.9	78.8	80.1	79.3	78.2	76.6	72.7	69.1		
	5000	50.6	66.2	74.1	76.6	78.2	78.0	76.0	75.7	70.8	66.5		
	6300	46.3	64.5	71.6	75.1	77.3	77.3	75.6	75.2	70.6	65.9		
	8000	39.2	59.5	68.7	73.0	74.9	75.9	74.0	73.2	69.5	63.4		
	10000	28.6	53.7	64.8	69.9	71.9	72.8	72.0	71.1	66.7	61.3		
OVERALL CALCULATED		72.5	83.8	86.4	88.8	89.1	88.5	87.1	85.8	83.0	79.8		
PND8		82.2	94.9	99.1	101.6	102.2	102.2	100.5	99.1	96.1	92.4		

Run 40/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.2

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENTY REL. HUM. DAV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.										0. 0. 0. 0. 0. PNL				
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(10.)	(10.)
	50															
	63															
RADIAL 17. FT.	80															
(5. M)	100	70.6	70.8	69.8	68.1	66.1	66.8	69.3	71.0	72.4	73.1	72.8				104.2
VEHICLE UTMSIM	125	78.3	78.5	77.3	76.1	75.8	74.5	73.0	73.3	74.2	74.1	73.8				107.8
CONFIG B+2	160	78.3	76.3	75.5	77.6	78.6	75.5	74.0	73.8	73.4	72.6	73.1				107.8
LUC SCHENECTADY	200	79.6	82.5	82.0	81.4	79.6	79.8	79.5	79.0	77.7	75.3	73.3				112.0
DATE 7/17/75	250	87.8	87.0	86.8	86.1	84.6	83.8	83.2	83.0	82.9	81.3	79.3				118.7
RUN 40/9	315	90.8	91.3	89.5	89.4	87.6	85.5	83.7	83.3	82.4	81.8	79.5				118.5
TAPE	400	87.8	88.0	87.3	87.9	86.6	85.8	84.8	82.6	80.7	79.6	77.0				117.3
BAP 30.0 HG	500	85.6	85.5	85.3	85.4	83.1	81.5	80.5	79.6	78.2	76.6	74.5				114.2
(01305, N/M2)	630	84.3	84.5	84.1	83.9	82.8	81.6	79.8	77.8	75.7	73.9	71.3				113.1
TAMB 78. DEG F	800	84.3	84.0	82.6	82.9	81.8	80.5	79.5	77.3	76.2	73.9	71.5				112.4
(299, DEG K)	1000	83.8	82.5	79.8	79.6	79.6	79.0	78.5	75.6	74.5	72.6	70.5				110.5
T-ET 74. DEG F	1250	80.1	80.3	80.3	80.9	80.1	79.3	78.2	75.6	73.7	72.2	69.3				110.5
(296, DEG K)	1600	80.9	80.8	81.8	81.7	80.6	78.8	78.5	74.9	73.8	71.7	69.5				110.8
HACT 19.72 GH/M3	2000	82.6	83.6	81.3	81.5	80.1	78.0	78.0	74.4	71.8	70.5	68.3				110.5
(01972 KG/M3)	2500	86.6	87.1	87.3	85.0	82.6	80.5	79.4	77.1	75.3	73.3	71.0				113.8
NFA 11607. RPM	3150	103.3	99.8	100.0	96.2	96.8	95.5	93.7	92.4	89.6	85.8	85.0				127.4
(1215, RAD/SEC)	4000	100.0	97.0	96.9	93.4	94.2	92.1	90.3	89.3	86.5	82.7	82.4				124.5
NFK 11400. RPM	5000	89.2	88.2	87.8	88.3	85.7	84.5	83.2	80.7	78.2	75.7	72.8				116.6
(1194, RAD/SEC)	6300	93.6	95.2	95.1	94.7	95.1	92.8	93.7	91.4	87.8	85.9	82.7				125.4
NFD 11517. RPM	8000	91.7	93.8	95.2	93.6	93.7	92.4	91.4	89.3	86.1	83.4	80.2				124.1
(1206, RAD/SEC)	10000	97.6	97.1	98.3	97.5	97.2	95.3	94.1	91.2	89.6	86.6	82.8				127.4
NO. OF BLADES 18	12500	96.8	95.1	95.9	96.8	95.8	94.8	93.0	90.7	89.1	84.8	81.3				128.4
FAN TIP SPEED	15000	94.4	93.9	93.6	95.7	94.4	93.6	92.2	89.5	88.8	84.0	79.7				125.6
1013. FT/SEC	20000	92.7	93.1	93.5	94.5	93.6	93.1	91.9	88.9	86.2	83.9	79.1				125.4
	25000	91.2	91.6	91.3	92.6	93.0	91.9	90.8	87.7	86.5	82.6	77.2				124.7
	31500	89.2	89.9	89.6	91.4	90.8	90.0	88.4	86.3	85.1	81.0	75.5				123.8
	40000	85.1	85.9	84.7	87.3	86.8	85.0	84.6	81.9	81.7	76.7	72.1				121.0
	50000	80.5	80.2	80.1	82.8	80.9	79.7	80.2	77.8	78.0	71.4	66.1				118.0
	63000	72.2	72.2	72.3	75.2	72.9	72.0	72.9	71.2	70.0	63.7	62.5				113.1
	80000	69.8	69.5	68.2	70.9	69.6	70.0	70.4	69.8	61.7	57.8	60.5				113.9
OVERALL MEASURED																
OVERALL CALCULATED		107.7	106.2	106.5	105.7	105.3	103.9	102.8	100.6	98.7	95.4	92.6				136.3
PNDP		121.1	119.0	119.1	116.8	116.6	115.1	113.8	112.2	109.7	106.7	105.2				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F., 70 PERCENT REL. HUM. DAT)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	12.10)
50	38.8	45.7	52.1	53.7	54.4	54.1	54.6	54.7	54.0	54.3		
63	44.4	51.7	55.5	56.4	56.4	59.4	59.7	58.8	56.6	54.4		
SIDELINE 500. FT.	48.1	55.9	59.8	61.1	62.2	62.9	63.5	63.8	62.4	60.2		
(152.40 M)												
NFA 3269. RPM	51.6	58.1	62.7	63.8	63.7	63.2	63.5	63.1	62.7	60.2		
(342. RAD/SEC)	47.7	55.4	60.9	62.5	63.7	63.9	62.6	61.2	60.3	57.6		
NFK 3211. RPM	44.4	52.8	57.9	58.7	59.1	59.4	59.4	58.5	57.1	54.8		
(336. RAD/SEC)	42.6	51.0	56.1	58.1	58.9	58.5	57.4	55.8	54.1	51.4		
NFD 3244. RPM	41.2	49.0	54.6	56.8	57.6	58.0	56.7	56.1	53.9	51.4		
(340. RAD/SEC)	38.8	45.6	50.9	54.2	55.8	56.7	54.7	54.1	52.5	50.2		
AIRFLOW RATIO	35.6	45.4	51.7	54.3	55.7	56.2	54.5	53.2	51.8	48.7		
WF/WM 12.60	35.1	46.3	52.0	54.5	54.9	56.1	53.5	53.0	51.1	48.7		
800	36.6	45.0	51.2	53.5	53.8	55.3	52.7	50.7	49.6	47.2		
VEHICLE UTWSIM 1000	38.8	50.1	54.1	55.6	55.9	56.4	55.2	53.9	52.1	49.6		
CONFIG R+2 1250	50.0	62.0	64.7	69.3	70.4	70.3	70.1	67.9	64.3	63.3		
LCC SCHENECTADY 1600	45.5	57.9	61.2	66.2	66.7	67.1	66.7	64.5	60.9	60.4		
DATE 7/17/75 2000	34.5	47.5	55.3	56.9	58.5	59.0	57.6	55.7	53.4	50.3		
RLN 40/9 2500	39.1	54.5	60.8	65.7	66.2	68.9	67.9	64.9	63.1	59.8		
TAPE 3150	35.1	52.2	58.8	63.6	65.3	66.2	65.3	62.8	60.4	56.9		
FAN TIP SPEED 4000	34.2	53.3	61.4	66.1	67.4	68.1	66.6	65.7	62.9	58.9		
1013. FT/SEC 5000	25.9	47.8	58.6	63.1	65.6	66.0	65.1	64.2	60.2	56.4		
6300	21.3	44.0	56.5	61.0	63.9	64.7	63.5	63.7	59.0	54.5		
8000	9.9	38.6	52.0	57.7	61.2	62.7	61.3	61.5	57.5	52.4		
10000		28.5	44.8	53.1	56.8	58.8	57.6	57.4	53.9	48.2		
OVERALL CALCULATED	57.3	67.2	72.1	75.7	76.9	77.5	76.8	75.4	72.8	70.3		
PND8	61.7	76.0	83.6	87.9	89.4	90.3	89.1	87.9	85.1	81.5		
50	49.2	55.5	61.1	62.3	62.8	62.4	62.9	62.9	62.2	62.6		
63	55.0	61.8	64.7	65.2	67.0	67.8	68.1	67.1	64.9	62.7		
SIDELINE 200. FT.	59.1	66.3	69.3	70.1	70.9	71.5	72.0	72.3	70.8	68.6		
(60.96 M)												
100	62.9	68.8	72.4	73.0	72.6	71.9	72.2	71.7	71.3	68.8		
125	59.2	66.4	70.8	71.9	72.7	72.8	71.4	69.9	69.0	66.3		
160	56.3	64.1	68.1	68.3	68.4	68.5	68.3	67.3	65.9	63.7		
200	54.8	62.6	66.5	67.9	68.3	67.6	66.5	64.8	63.1	60.4		
250	53.8	60.9	65.3	66.8	67.2	67.3	65.9	65.2	63.0	60.5		
315	51.8	57.9	61.9	64.4	65.6	66.2	64.1	63.4	61.7	59.5		
400	49.1	58.1	63.0	64.7	65.7	65.8	64.0	62.6	61.2	58.1		
500	49.0	59.3	63.6	65.1	65.1	66.0	63.2	62.5	60.6	58.3		
630	51.2	58.5	63.1	64.5	64.2	65.4	62.6	60.4	59.3	56.9		
800	54.0	64.1	68.4	68.8	66.5	66.7	65.2	63.8	62.0	59.6		
1000	66.0	76.5	77.4	80.8	81.3	80.8	80.3	78.0	74.4	73.4		
1250	62.4	73.0	74.3	78.1	77.8	77.8	77.2	74.8	71.2	70.7		
1600	52.6	63.4	68.9	69.2	70.0	70.1	68.4	66.4	64.0	61.0		
2000	58.9	71.2	75.0	78.5	78.1	80.4	79.0	75.8	74.0	70.8		
2500	56.1	69.8	73.6	76.8	77.6	77.0	76.7	74.1	71.6	68.1		
3150	57.8	72.1	77.1	80.0	80.3	80.4	78.5	77.4	74.6	70.6		
4000	53.4	68.6	75.6	78.1	79.3	79.1	77.7	76.8	72.5	68.8		
5000	51.1	66.0	74.3	76.6	78.2	78.2	76.5	76.4	71.8	67.3		
6300	46.3	64.0	72.1	75.1	77.0	77.5	75.6	75.5	71.3	66.4		
8000	38.7	59.0	68.4	73.3	74.9	75.7	73.8	73.2	69.5	63.9		
10000	28.4	53.4	64.8	69.4	71.9	72.3	71.5	71.1	67.2	61.5		
OVERALL CALCULATED	71.4	81.8	85.5	88.3	88.9	89.2	88.0	86.5	83.5	80.7		
PND8	80.6	93.9	98.9	101.7	102.3	102.5	100.9	99.7	96.8	93.2		

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT SPL, WWH, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN(S))																					
		0.		10.		20.		30.		40.		50.		60.		70.		80.		90.		100.	
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	38.3	45.2	51.4	53.5	54.2	53.3	54.1	54.5	54.0	54.3												
	63	44.1	51.7	55.3	56.4	58.7	58.6	59.7	58.8	58.3	53.9												
SIDELINE 500. FT.	80	47.3	55.1	59.1	60.6	61.4	62.1	62.5	62.8	61.4	59.4												
(152.40 M)	100	50.9	57.9	62.5	63.1	63.2	63.2	62.8	63.1	62.2	60.0												
NFA 3304. RPM	125	47.9	55.9	60.6	62.8	64.2	63.7	63.1	61.0	60.5	58.1												
(346. RAD/SEC)	160	44.4	52.6	57.7	58.4	59.1	58.9	58.6	58.0	56.3	54.3												
NFK 3245. RPM	200	42.6	50.8	55.3	57.1	58.6	58.0	57.2	56.1	53.4	51.7												
(340. RAD/SEC)	250	40.0	49.2	54.4	57.3	57.4	58.0	56.7	55.8	53.7	51.4												
NFD 3244. RPM	315	38.6	45.1	50.7	54.2	55.8	55.7	54.7	54.1	52.5	50.2												
(340. RAD/SEC)	400	36.1	45.7	51.7	54.3	55.2	55.4	54.0	53.4	52.0	48.7												
AIRFLOW RATIO	500	35.1	45.8	52.3	54.5	54.7	54.6	53.3	52.2	50.3	48.5												
WF/WM 12.60	630	36.6	45.0	50.7	53.0	53.8	53.6	52.5	51.0	49.1	46.7												
	800	38.3	49.9	54.4	55.1	56.4	56.2	54.9	53.4	51.6	48.9												
VEHICLE UTMSIM	1000	49.5	60.0	64.5	68.8	69.7	69.3	66.8	65.9	63.3	60.0												
CONFIG E+2	1250	47.0	58.9	63.7	67.4	68.9	68.3	66.2	65.2	62.4	59.4												
LCC SCHENECTADY	1600	34.5	47.3	54.5	56.7	58.5	58.7	57.1	55.7	52.7	50.1												
DATE 7/17/75	2000	39.1	55.0	59.5	63.7	65.7	67.7	64.4	63.6	60.3	57.8												
RUN 40/10	2500	36.4	53.2	59.3	63.6	65.1	67.0	64.0	63.1	60.1	56.9												
TAPE	3150	34.0	52.3	61.1	66.1	67.9	68.1	66.6	65.4	62.4	58.9												
FAN TIP SPEED	4000	25.7	47.3	58.1	62.4	65.1	66.3	64.6	63.7	59.7	55.7												
1024. FT/SEC	5000	21.5	43.7	57.0	60.8	63.6	64.7	63.0	63.7	59.0	54.2												
	6300	10.2	38.4	51.7	57.7	61.2	61.9	61.3	62.0	57.2	52.4												
	8000		28.2	45.0	52.6	56.1	58.0	57.6	57.7	53.6	48.4												
	10000		15.2	36.0	44.9	50.1	51.8	52.7	52.6	48.9	43.2												
OVERALL CALCULATED		57.1	66.7	72.1	75.4	76.9	77.3	75.6	74.9	72.3	69.4												
PND8		61.5	75.5	83.5	87.7	89.6	90.1	88.6	87.7	84.6	81.2												

	50	48.7	55.0	60.4	62.1	62.6	61.6	62.4	62.7	62.2	62.6												
	63	54.8	61.8	64.5	65.2	67.2	67.1	68.1	67.1	64.7	62.2												
SIDELINE 200. FT.	80	58.3	65.5	68.6	69.6	70.1	70.7	71.0	71.3	69.8	67.9												
(60.96 M)	100	62.2	68.6	72.2	72.2	72.1	71.9	71.4	71.7	70.8	68.8												
	125	59.5	66.9	70.5	72.1	73.2	72.6	71.9	69.7	69.2	66.8												
	160	56.3	63.9	67.9	68.0	68.4	68.0	67.5	66.8	65.2	63.2												
	200	54.8	62.4	65.7	66.9	68.0	67.1	66.2	65.0	62.3	60.6												
	250	52.6	61.1	65.1	67.3	66.9	67.3	65.9	65.0	62.8	60.5												
	315	51.6	57.4	61.6	64.4	65.6	65.2	64.1	63.4	61.7	59.5												
	400	49.6	58.2	63.0	64.7	65.2	65.1	63.5	62.8	61.4	58.1												
	500	49.0	56.8	61.8	65.1	64.8	64.5	62.9	61.8	59.9	58.0												
	630	51.2	58.5	62.6	64.0	64.2	63.6	62.3	60.7	58.8	56.4												
	800	53.5	63.9	66.6	66.3	67.0	66.5	65.0	63.3	61.5	58.8												
	1000	65.5	74.5	77.1	80.3	80.6	79.8	77.1	76.0	73.4	70.2												
	1250	63.9	74.0	76.8	79.3	80.1	79.1	76.7	75.6	72.7	69.7												
	1600	52.6	63.2	68.2	69.0	70.0	69.8	67.9	66.4	63.3	60.7												
	2000	58.5	71.7	73.7	76.5	77.6	79.1	75.5	74.6	71.2	68.8												
	2500	57.4	70.8	74.1	76.8	77.4	78.7	75.5	74.3	71.3	68.1												
	3150	57.6	71.1	76.8	80.0	80.8	80.4	78.5	77.1	74.1	70.6												
	4000	53.2	68.1	75.1	77.3	78.8	79.3	77.2	76.1	72.0	68.1												
	5000	51.3	65.7	74.3	76.4	77.9	78.2	76.0	76.4	71.8	67.0												
	6300	46.6	63.7	71.8	75.1	77.0	76.8	75.6	76.0	71.1	66.4												
	8000	38.7	58.7	68.7	72.8	74.2	74.9	73.8	73.4	69.3	64.2												
	10000	28.4	52.9	64.3	68.9	71.4	71.6	71.5	70.8	67.0	61.5												
OVERALL CALCULATED		71.3	81.4	85.5	88.0	88.9	88.9	86.9	86.1	83.0	79.8												
PND8		80.7	93.4	98.8	101.5	102.4	102.3	100.4	99.4	96.3	92.8												

Run 40/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT WEL. NUM. WAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.			
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.17)	(0.35)	(0.52)	(0.70)
50	37.0	43.9	50.1	52.2	52.4	52.3	53.6	53.5	52.8	53.8				
63	44.9	52.2	54.8	55.9	58.7	58.6	60.9	59.3	57.1	53.7				
SIDELINE 500. FT. (152.40 M)	45.6	54.1	58.1	59.6	60.4	60.9	61.5	62.3	60.4	58.4				
NFA 3421. RPM (358. RAD/SEC)	50.4	57.1	61.7	62.8	62.7	61.9	62.8	62.6	61.7	59.2				
NFK 3357. RPM (351. RAD/SEC)	47.9	55.4	60.4	62.5	63.2	62.9	61.6	60.5	59.5	57.3				
NFD 3244. RPM (340. RAD/SEC)	44.4	53.1	57.7	58.4	58.6	58.9	58.4	57.0	55.6	53.8				
AIRFLOW RATIO NF/NM 12.60	43.6	51.3	56.8	58.6	58.9	59.5	57.4	56.1	54.1	51.7				
870	40.5	49.0	54.4	57.3	58.6	58.2	58.0	57.3	55.9	52.9				
VEHICLE UT+SIM 1000	38.1	44.8	51.2	55.7	57.8	56.7	55.7	55.1	53.7	51.2				
CONFIG 6*2 1250	36.6	46.2	52.2	54.6	56.0	55.9	55.0	54.7	52.8	50.0				
LOC SCHENECTADY 1600	36.3	45.8	52.5	54.2	54.9	55.6	54.3	53.2	51.6	49.5				
DATE 7/17/75 2000	38.4	46.5	51.5	53.3	53.8	54.1	53.2	51.5	49.9	47.7				
RUN 40/11 2500	46.3	57.6	63.4	67.1	68.4	67.7	64.2	63.4	59.9	59.9				
TAPE 3150	50.7	63.4	69.2	73.3	74.6	74.2	70.3	68.8	66.0	65.7				
FAN TIP SPEED 4000	37.2	50.1	56.5	59.2	60.3	60.3	59.4	57.2	54.6	52.6				
1060. FT/SEC 5000	38.8	52.6	59.0	63.0	65.3	65.0	63.4	61.9	59.3	56.3				
6300	40.3	54.9	62.3	66.3	69.2	69.2	67.3	65.8	62.6	59.6				
8000	38.0	53.7	62.6	66.3	68.9	68.8	67.4	66.2	63.5	59.7				
10000	33.4	50.3	61.4	64.6	66.5	67.6	66.1	65.2	62.1	57.6				
OVERALL CALCULATED	25.8	45.7	58.6	62.3	64.8	65.5	64.5	64.3	60.5	56.2				
PNCB	21.3	44.3	55.8	61.0	63.3	64.2	63.4	63.7	59.7	54.9				
50	9.1	37.2	51.9	57.3	59.8	61.5	60.8	60.2	57.7	51.7				
63		27.1	44.6	51.9	55.5	56.2	57.2	56.8	53.1	48.0				
80		12.1	33.2	42.8	46.3	49.6	49.9	50.5	45.9	41.8				
100	57.2	67.5	73.7	77.2	78.9	78.8	75.8	73.1	70.9					
125	62.3	75.8	84.3	88.0	90.3	90.4	89.1	86.1	85.3	81.8				

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50	47.5	53.7	59.1	60.8	60.8	60.6	61.9	61.7	61.0	62.1				
63	55.5	62.3	64.0	64.7	67.2	67.1	69.3	67.6	65.4	62.0				
SIDELINE 200. FT. (60.96 M)	57.6	64.5	67.6	68.6	69.1	69.5	70.0	70.8	68.8	66.9				
100	61.7	67.8	71.4	72.0	71.6	70.6	71.4	71.2	70.3	67.8				
125	59.5	66.4	70.3	71.9	72.2	71.8	70.4	69.2	68.2	66.0				
160	56.3	64.4	67.9	68.0	67.9	68.0	67.3	65.8	64.4	62.7				
200	55.8	62.9	67.2	68.4	68.3	68.6	66.5	65.0	63.1	60.6				
250	53.1	60.9	65.1	67.3	68.2	67.5	67.2	66.5	65.0	62.0				
315	51.1	57.1	62.1	65.9	67.6	66.2	65.1	64.4	62.9	60.5				
400	50.1	58.9	63.5	65.0	65.9	65.6	64.5	64.1	62.2	59.4				
500	50.3	58.8	64.1	64.9	65.1	65.5	63.9	62.8	61.1	59.0				
630	52.9	60.0	63.4	64.2	64.2	64.1	63.1	61.2	59.6	57.4				
800	61.5	71.6	75.6	78.3	79.0	77.9	74.2	73.4	69.8	69.8				
1000	66.7	77.9	81.9	84.8	85.5	84.7	80.8	79.0	76.1	75.9				
1250	54.1	65.2	69.5	71.0	71.5	71.0	69.9	67.6	65.0	62.9				
1600	56.9	68.5	72.6	75.3	76.9	76.1	74.2	72.5	69.9	67.0				
2000	59.7	71.6	76.5	79.1	81.1	80.7	78.4	76.8	73.5	70.8				
2500	59.1	71.3	77.4	79.5	81.2	80.5	78.8	77.4	74.6	70.9				
3150	57.0	69.2	77.0	78.6	79.4	79.9	78.0	76.9	73.7	69.3				
4000	53.3	66.5	75.6	77.3	78.6	78.6	77.1	76.7	72.8	68.6				
5000	51.0	66.3	73.7	76.6	77.6	77.7	76.4	76.5	72.4	67.7				
6300	45.5	62.5	71.1	74.7	75.5	76.3	75.1	74.2	71.5	65.7				
8000	37.9	57.6	68.2	72.1	73.6	73.1	73.3	72.6	68.7	63.8				
10000	25.7	49.8	61.8	66.7	67.7	69.3	68.6	68.7	64.0	60.1				
OVERALL CALCULATED	71.6	82.0	87.0	89.4	90.5	90.1	87.9	86.8	83.8	81.3				
PNCB	61.2	93.1	99.4	101.4	102.7	102.5	100.8	99.7	96.7	93.2				

Run 41/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 NO. 14.3

	FREQ.	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)													PWL			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																	
	63																	
RADIAL 17. FT.	80																	
(5. M)	100	69.1	68.8	67.8	72.6	67.8	65.5	67.5	68.8	69.9	70.6	70.3						
VEHICLE UTHSIM	125	77.1	77.0	76.0	75.4	74.6	73.0	72.5	72.8	72.9	72.4	71.1						102.0
CONFIG C+1	160	76.6	74.8	74.0	78.6	76.1	74.0	72.5	71.8	70.9	68.6	67.8						106.5
LCC SCHENECTADY	200	78.3	60.0	60.3	60.9	78.1	76.3	77.5	77.3	75.2	72.3	70.3						106.4
DATE 7/17/75	250	84.5	63.5	63.0	62.6	61.3	60.3	79.5	79.5	79.4	77.8	75.8						110.2
RUN: 41/1	315	87.8	67.8	66.8	66.9	64.1	61.8	60.2	60.0	79.2	78.1	76.8						113.1
TAPE	450	83.6	63.0	62.5	63.4	61.6	60.0	78.0	78.0	76.0	73.2	72.4						115.3
EAR 30.0 HG	500	83.1	63.5	62.8	62.9	61.1	79.3	77.8	75.8	74.7	73.1	70.8						111.8
(01305. M/M2)	630	86.6	68.3	68.1	67.9	66.1	65.1	63.5	61.6	78.7	76.4	74.6						111.6
TAMB 80. DEG F	850	90.3	69.8	69.3	69.4	67.8	66.5	64.2	62.3	60.2	77.9	75.5						116.7
(300. DEG K)	1000	87.3	67.5	67.6	67.4	66.3	64.0	61.5	79.6	77.5	75.1	72.0						118.1
TNET 74. DEG F	1250	86.1	65.8	66.1	66.4	65.1	63.3	60.7	78.6	76.7	74.2	70.8						115.9
(296. DEG K)	1600	85.6	64.6	63.8	64.0	62.1	60.8	78.0	74.9	73.0	71.2	68.5						114.0
HACT19.11 GH/M3	2000	93.9	93.8	94.3	96.2	94.6	91.8	87.5	85.9	83.8	61.0	78.5						112.3
(.01911 KG/M3)	2500	88.1	86.3	86.3	86.7	86.9	84.0	81.4	78.4	76.1	73.8	71.5						123.5
NFA 7094. RPM	3150	83.1	82.6	83.8	84.2	83.3	81.5	78.9	76.4	73.3	70.8	68.2						110.8
(743. PAD/SEC)	4000	93.3	92.2	91.4	90.9	89.7	88.4	86.1	82.3	79.0	75.7	73.1						112.7
NFK 6955. RPM	5000	88.5	88.7	88.8	89.1	87.2	85.0	83.0	79.5	75.7	72.9	71.6						119.8
(728. RAD/SEC)	6300	92.1	92.0	93.6	92.7	91.1	89.0	86.2	82.7	78.5	76.0	74.0						117.1
NFD 11517. RPM	8000	90.9	91.6	91.7	92.6	90.4	87.4	84.9	82.0	78.1	74.9	72.9						121.1
(1206. RAD/SEC)	10000	89.3	91.6	91.3	91.0	88.7	87.3	85.8	82.0	77.1	73.9	71.6						120.2
NO. OF BLADES 18	12500	88.8	90.1	89.4	90.8	89.3	88.3	86.5	83.5	79.6	74.0	71.8						119.5
FAN TIP SPED	16000	88.2	68.9	68.4	90.7	88.9	88.2	85.9	83.7	79.4	73.2	70.7						119.8
619. FT/SEC	20000	86.0	87.2	87.3	88.1	87.4	86.6	84.4	81.4	77.0	70.2	66.8						119.8
	25000	84.0	84.4	84.6	85.6	85.5	84.7	82.6	79.0	74.0	67.4	63.5						118.4
	31500	82.0	82.5	81.9	84.4	83.3	82.4	80.0	77.6	71.7	63.8	60.8						119.9
	40000	78.7	79.5	78.1	80.7	79.4	78.1	76.5	73.2	68.1	59.4	57.5						119.7
	50000	74.6	75.4	74.0	77.2	74.8	73.1	72.8	68.0	64.1	57.3	57.8						113.2
	63000	68.4	68.7	67.8	71.0	68.6	67.3	67.9	61.7	60.2	56.2	56.5						118.8
	80000	70.2	69.9	68.6	71.2	70.0	70.3	70.7	60.4	61.0	58.1	60.9						107.8
OVERALL MEASURED																		113.4
OVERALL CALCULATED		102.3	102.4	102.4	103.0	101.4	99.6	97.2	94.8	91.7	88.9	86.7						131.7
PW8		115.1	114.6	114.3	115.2	113.5	111.2	108.7	106.0	103.6	101.1	98.0						131.7

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT rPL, HUM. NAT)																
		ANGLES FROM INLET IN DEGREES (AND RADIANIS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	(3.14)
SIDELINE 500. FT.	50	37.3	44.2	53.1	53.2	52.9	52.6	52.2	50.0	49.1								
(152.40 M)	63	41.9	49.9	55.0	54.9	56.9	57.4	57.9	56.3	53.6	51.4							
NFA 1998. RPM	80	44.6	52.1	56.3	57.8	58.7	59.1	60.0	60.3	58.9	56.7							
(235. RAD/SEC)	100	48.1	55.4	60.2	60.3	59.9	59.7	60.3	59.9	59.0	57.5							
NFK 1980. RPM	125	42.7	50.6	56.4	57.5	57.9	57.2	58.1	53.7	53.0	50.8							
(205. RAD/SEC)	160	42.4	50.3	55.4	56.7	56.9	56.7	55.6	55.0	53.6	51.1							
NFD 3244. RPM	200	46.3	55.0	60.1	61.4	62.4	62.2	61.2	58.8	56.6	54.7							
(340. RAD/SEC)	250	47.0	55.7	61.1	62.8	63.6	62.7	61.7	60.1	57.6	55.4							
AIRFLOW RATIO	315	43.8	53.3	58.7	60.9	60.8	59.7	58.7	57.1	55.0	51.7							
WF/WH 12.60	400	41.1	51.2	57.2	59.3	59.7	58.7	57.5	56.2	53.6	50.2							
VEHICLE UTHSIM	500	38.8	48.5	54.7	56.9	57.4	56.4	55.2	53.9	51.5	48.0							
CONFIC C+1	630	46.9	58.0	66.0	68.0	67.6	64.6	64.2	62.7	60.1	57.4							
LOC SCHENECTARY	800	38.0	49.1	57.9	59.8	59.4	58.4	56.4	54.7	52.6	50.1							
DATE 7/17/75	1000	32.8	45.7	52.8	55.8	56.4	55.6	54.1	51.6	49.3	46.5							
RUN 41/1	1250	49.8	52.4	58.7	61.7	62.9	62.3	59.7	57.0	53.9	51.1							
TAPE	1600	35.0	46.5	56.0	58.4	59.0	58.7	56.4	53.2	50.7	49.1							
FAN TIP SPEED	2000	36.9	52.0	58.8	61.7	62.4	61.4	59.1	55.6	53.3	51.0							
619. FT/SEC	2500	32.9	48.7	57.8	60.4	60.3	59.7	58.0	54.8	51.9	49.6							
OVERALL CALCULATED	3150	28.7	46.3	54.9	57.6	59.4	59.9	57.4	53.2	50.2	47.7							
PND8	4000	20.9	41.3	52.6	56.6	59.1	59.5	57.9	54.8	50.4	46.9							
	5000	16.3	38.8	51.5	55.6	58.4	58.5	57.8	54.2	48.3	45.5							
	6300	3.9	32.4	45.5	51.5	54.8	55.2	53.8	50.3	43.8	40.0							
	8000		21.8	37.8	45.7	49.6	50.6	48.9	45.0	38.7	34.5							
	10000		8.0	29.3	38.0	42.9	44.2	44.0	39.4	31.9	28.3							
	OVERALL CALCULATED	55.7	65.1	71.6	73.6	74.1	73.2	72.1	70.3	68.1	65.7							
	PND8	59.7	73.1	81.1	83.8	84.6	84.4	82.8	79.9	76.5	73.9							

	50	47.7	54.0	62.1	61.8	61.3	60.9	60.9	60.4	58.2	57.3							
SIDELINE 200. FT.	63	52.5	60.0	64.2	63.7	65.5	65.8	66.3	64.6	61.9	59.7							
(60.96 M)	80	55.6	62.5	65.8	66.8	67.4	67.7	68.5	68.8	67.3	65.1							
	100	59.4	66.1	69.9	69.5	68.6	68.4	68.9	68.5	67.5	66.1							
	125	54.2	61.6	66.3	66.9	67.0	66.1	64.8	62.4	61.7	59.5							
	160	54.3	61.6	65.6	66.3	66.1	65.7	64.5	63.8	62.4	59.9							
	200	58.6	66.6	70.5	71.1	71.8	71.4	70.2	67.8	65.6	63.6							
	250	59.6	67.6	71.8	72.8	73.2	72.0	70.9	69.2	67.0	64.5							
	315	56.8	65.6	69.6	71.1	70.6	69.2	68.1	66.4	64.2	61.0							
	400	54.6	63.9	68.5	69.8	67.7	68.3	67.0	65.6	63.2	59.6							
	500	52.8	61.6	66.3	67.6	67.6	66.2	64.9	63.5	61.1	57.5							
	630	61.4	71.5	77.9	79.0	77.9	74.9	74.1	72.4	69.8	67.2							
	800	53.2	63.1	70.1	71.0	70.0	68.7	66.5	64.6	62.5	60.1							
	1000	48.8	60.2	65.4	67.3	67.3	66.0	64.3	61.7	59.4	56.7							
	1250	57.6	67.5	71.8	73.6	74.1	73.1	70.2	67.3	64.2	61.5							
	1600	53.1	64.4	69.7	70.7	70.5	69.8	67.2	63.9	61.3	59.7							
	2000	56.3	68.7	73.0	74.5	74.4	72.9	70.2	66.6	64.2	62.0							
	2500	53.9	66.3	72.6	73.6	72.6	71.5	69.5	66.1	63.1	60.9							
	3150	52.3	65.1	70.6	71.5	72.3	72.2	69.3	64.9	61.8	59.4							
	4000	48.4	62.1	69.6	71.6	72.9	72.6	70.5	67.1	61.8	59.3							
	5000	46.1	60.7	69.4	71.0	72.7	72.0	70.8	67.0	61.0	58.3							
	6300	40.3	57.8	65.6	68.9	70.6	70.1	68.1	64.2	57.6	53.9							
	8000	31.5	52.3	61.5	65.8	67.7	67.5	65.1	60.7	54.3	50.2							
	10000	21.0	45.7	57.9	62.0	64.2	63.9	62.8	57.6	50.0	46.6							
	OVERALL CALCULATED	69.0	78.6	83.9	85.1	85.1	84.0	82.4	80.1	77.6	75.2							
	PND8	77.7	89.7	95.6	96.9	97.3	96.6	94.7	91.6	87.7	85.1							

Run 41/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 1.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.																					
SIDELINE 500. FT. (152.40 M)	50	38.8	45.9	52.4	54.2	54.7	54.1	53.6	53.7	51.5	51.6												
	63	42.9	50.4	54.3	55.9	57.7	58.4	58.9	57.5	54.6	52.7												
	80	46.8	54.1	58.1	59.3	60.4	61.6	61.7	62.3	61.1	58.7												
NFA 2329. RPM	100	50.9	57.9	62.2	63.1	62.2	62.4	62.8	62.6	61.5	59.5												
(244. RAD/SEC)	125	45.9	53.9	58.9	60.5	61.2	60.4	59.1	57.5	56.3	54.3												
NFK 2282. RPM	160	43.6	51.8	57.2	58.4	58.9	58.4	57.9	57.0	55.1	53.3												
(239. PAD/SEC)	200	48.6	56.5	62.1	63.4	64.4	63.7	62.4	60.6	58.1	55.7												
NFD 3244. RPM	250	49.2	58.2	64.4	65.8	65.9	65.7	64.5	62.8	61.2	58.2												
(340. RAD/SEC)	315	46.6	56.1	61.9	63.9	64.1	63.2	61.5	60.1	58.5	54.7												
AIRFLOW RATIO	400	44.3	54.9	61.2	63.1	63.5	62.9	61.5	59.7	57.5	54.2												
WF/WH 12.6C	500	41.3	51.0	57.5	60.0	59.9	59.9	57.8	55.7	54.6	51.2												
	630	49.9	63.0	70.3	68.3	68.6	71.6	70.3	68.7	66.1	63.7												
	800	36.5	48.9	56.1	58.6	59.4	59.2	57.7	54.9	52.9	50.4												
VEHICLE UTMSIM	1000	36.5	48.7	56.5	59.3	60.4	59.7	58.1	55.1	53.0	50.7												
CONFIG C+1	1250	40.5	54.1	62.7	65.2	65.1	65.3	62.9	60.4	57.9	54.8												
LCC SCHENECTADY	1600	39.8	53.4	60.5	62.5	63.8	62.8	60.1	57.6	55.3	52.8												
DATE 7/17/75	2000	39.8	53.6	63.0	64.8	65.2	64.5	62.8	59.8	57.3	54.1												
RUN 41/2	2500	35.8	51.7	61.1	64.5	64.6	63.8	61.9	58.9	55.5	52.4												
TAPE	3150	30.2	47.8	58.4	62.1	63.8	64.8	62.3	60.2	55.3	51.8												
FAN TIP SPEED	4000	22.8	43.9	56.1	60.8	62.8	62.8	61.2	59.5	53.2	49.4												
722. FT/SEC	5000	19.0	42.3	53.8	59.3	62.3	62.2	60.7	58.7	52.0	47.9												
	6300	5.4	33.9	47.7	54.3	57.5	58.3	56.8	54.0	47.7	42.7												
	8000																						
	10000		23.6	41.1	48.2	52.5	53.4	53.2	50.3	42.6	37.5												
OVERALL CALCULATED		58.1	68.1	74.9	76.0	76.6	77.1	75.7	74.0	71.6	69.0												
PNDB		62.5	76.0	84.3	87.2	88.1	88.5	86.6	84.4	80.5	77.4												

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	50	49.2	55.7	61.4	62.8	63.1	62.4	61.9	61.9	59.7	59.8											
SIDELINE 200. FT. (60.96 M)	63	53.5	60.5	63.5	64.7	66.2	66.8	67.3	65.9	62.9	61.0											
	80	57.8	64.5	67.6	68.3	69.1	70.2	70.2	70.8	69.6	67.1											
	100	62.2	68.6	71.9	72.2	71.1	71.1	71.4	71.2	70.0	68.1											
	125	57.5	64.9	68.8	69.9	70.2	69.3	67.9	66.2	65.0	63.0											
	160	55.5	63.1	67.4	68.0	68.1	67.5	66.8	65.8	63.9	62.2											
	200	60.8	68.1	72.5	73.1	73.8	72.9	71.5	69.5	67.1	64.6											
	250	61.8	70.1	75.1	75.8	75.4	75.0	73.7	72.0	70.3	67.3											
	315	59.6	68.4	72.9	74.1	73.8	72.7	70.8	69.4	67.7	64.0											
	400	57.8	67.6	72.5	73.5	73.4	72.6	71.0	69.1	66.9	63.6											
	500	55.3	64.1	69.1	70.6	70.1	69.7	67.4	65.3	64.1	60.8											
	630	64.4	76.5	82.1	79.2	78.9	81.6	80.1	78.5	75.8	73.4											
	800	51.7	62.9	68.4	69.8	70.0	69.4	67.7	64.9	62.8	60.3											
	1000	52.5	63.2	69.1	70.8	71.3	70.2	68.3	65.2	63.1	60.9											
	1250	57.4	69.2	75.8	77.0	76.3	76.0	73.4	70.8	68.2	65.2											
	1600	57.9	69.3	74.1	74.8	75.4	73.8	70.9	68.3	65.9	63.5											
	2000	59.2	70.3	77.2	77.6	77.1	75.9	73.9	70.8	68.2	65.1											
	2500	56.8	69.3	75.9	77.7	76.9	75.5	73.4	70.2	66.7	63.7											
	3150	53.8	66.7	74.0	76.1	76.7	77.1	74.3	71.9	67.0	63.5											
	4000	50.3	64.8	73.1	75.8	76.6	75.8	73.8	72.0	65.6	61.8											
	5000	48.8	64.3	71.7	74.8	76.6	75.7	73.7	71.5	64.7	60.7											
	6300	41.8	59.3	67.9	71.7	73.3	73.1	71.1	67.9	61.5	56.7											
	8000	34.2	54.1	64.7	68.3	70.6	70.3	69.4	66.1	58.2	53.3											
OVERALL CALCULATED		22.5	47.1	59.3	64.0	65.7	66.6	64.6	62.0	53.2	48.6											
PNDB		71.5	81.6	87.3	87.8	87.9	87.8	86.1	84.1	81.3	78.6											
		80.4	92.3	98.8	100.4	100.6	100.5	98.3	96.0	91.8	88.5											

Run 41/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., MAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
	50	40.0	46.9	53.6	55.5	55.7	54.8	54.6	55.5	53.5	52.6						
SIDELINE 500. FT.	63	43.6	51.2	55.0	56.9	56.7	59.4	60.2	58.8	55.8	54.2						
(152.40 M)	80	48.1	55.4	59.6	61.6	62.2	63.1	63.2	64.1	62.6	60.4						
NFA 2663. RPM	100	51.6	59.4	63.5	64.6	64.2	63.9	64.3	64.1	63.2	61.0						
(279. RAD/SEC)	125	47.7	55.6	61.1	63.0	63.4	62.9	62.1	60.0	58.5	56.6						
NFK 2609. RPM	160	45.6	54.3	58.9	60.2	60.9	60.4	60.1	59.2	57.6	55.6						
(273. RAD/SEC)	200	48.8	57.3	62.3	64.4	64.9	65.0	63.9	61.6	59.9	56.9						
NFD 3244. RPM	250	49.5	59.0	65.1	67.0	67.4	67.0	66.0	64.6	62.2	59.2						
(340. RAD/SEC)	315	46.8	57.1	63.2	65.2	65.6	64.7	63.2	61.9	59.7	56.0						
AIRFLOW RATIO	400	46.8	56.4	62.5	64.1	64.7	64.4	63.0	61.7	59.5	56.2						
(12.60)	500	44.1	52.5	59.0	60.7	60.9	60.9	59.3	57.5	56.1	53.5						
VEHICLE UTMSIM	630	47.7	58.5	65.5	66.6	67.8	69.6	67.8	66.0	63.1	60.4						
CONFIG C*1	800	48.0	59.6	66.9	68.1	69.1	71.2	69.7	67.9	64.6	62.1						
LOC SCHENECTADY	1000	36.5	48.9	56.2	59.3	60.4	60.2	58.6	56.6	54.0	51.2						
DATE 7/17/75	1250	39.2	52.3	60.0	62.7	63.9	64.0	63.1	61.2	58.1	56.3						
RUN 41/3	1600	39.8	54.2	62.0	64.2	66.1	66.5	64.9	63.1	60.1	58.6						
TAPE	2000	39.1	54.1	62.0	65.1	66.2	66.3	64.3	61.3	58.6	55.4						
FAN TIP SPEED	2500	36.5	51.5	60.1	63.5	64.4	64.8	63.2	60.9	57.2	53.9						
(825. FT/SEC)	3150	31.7	49.3	59.4	63.4	65.8	66.1	64.8	62.4	58.6	54.3						
OVERALL CALCULATED	4000	24.1	44.9	57.1	61.8	64.8	65.3	64.0	62.8	57.2	52.7						
PND8	5000	21.0	43.8	56.1	61.2	64.3	65.4	64.4	63.5	57.4	52.6						
	6300	6.8	35.9	49.4	56.2	59.7	61.2	59.8	58.9	52.6	46.9						
	8000		24.3	42.3	50.4	54.2	55.9	55.9	54.0	47.8	41.5						
	10000		9.8	31.6	40.7	46.0	48.7	47.8	47.6	40.5	34.2						
OVERALL CALCULATED		58.9	68.5	75.0	77.0	78.1	78.7	77.5	76.0	73.2	70.5						
PND8		62.7	76.3	84.5	87.9	89.8	90.3	89.0	87.2	83.4	79.7						

	50	50.5	56.7	62.6	64.1	64.1	63.1	62.9	63.7	61.7	60.8						
SIDELINE 290. FT.	63	54.3	61.3	64.2	65.7	67.2	67.8	68.6	67.1	64.2	62.5						
(60.96 M)	80	59.1	65.8	69.1	70.6	70.9	71.7	71.7	72.5	71.1	68.9						
	100	62.9	70.1	73.2	73.7	73.1	72.6	72.9	72.7	71.8	69.6						
	125	59.2	66.6	71.0	72.4	72.5	71.8	70.9	68.7	67.2	65.3						
	160	57.5	65.6	69.1	69.8	70.1	69.5	69.0	68.1	66.4	64.4						
	200	61.1	68.9	72.7	74.1	74.3	74.1	73.0	70.5	68.8	65.9						
	250	62.1	70.9	75.6	77.0	76.9	76.3	75.2	73.7	71.3	68.3						
	315	59.8	69.4	74.1	75.4	75.3	74.2	72.6	71.1	68.9	65.2						
	400	60.3	69.1	73.7	74.5	74.7	74.1	72.5	71.1	68.9	65.6						
	500	58.0	65.6	70.6	71.4	71.1	70.7	68.9	67.0	65.6	63.0						
	630	62.2	72.0	77.4	77.5	78.2	79.6	77.6	75.7	72.8	70.2						
	800	63.2	73.6	79.1	79.3	79.7	81.4	79.7	77.9	74.5	72.0						
	1000	52.5	63.4	68.9	70.8	71.3	70.7	68.8	66.7	64.1	61.4						
	1250	56.1	67.5	73.0	74.5	75.0	74.8	73.6	71.6	68.5	66.7						
	1600	57.9	70.0	75.6	76.5	77.6	77.6	75.7	73.8	70.7	69.2						
	2000	58.5	70.8	76.2	77.9	78.1	77.7	75.4	72.3	69.5	66.3						
	2500	57.6	69.0	74.9	76.7	76.7	76.5	74.6	72.2	68.4	65.2						
	3150	55.3	68.2	75.0	77.3	78.7	78.4	76.7	74.1	70.2	66.0						
	4000	51.6	65.8	74.1	76.8	78.5	78.3	76.6	75.2	69.5	65.1						
	5000	50.8	65.8	73.9	76.8	78.6	78.9	77.4	76.3	70.1	65.4						
	6300	43.2	61.2	69.6	73.6	75.5	76.1	74.1	72.9	66.5	60.9						
	8000	34.6	54.8	55.9	70.5	72.3	72.8	72.0	69.8	63.4	57.2						
	10000	22.6	47.5	60.2	64.6	67.3	68.4	66.5	65.9	58.6	52.5						
OVERALL CALCULATED		72.3	82.0	87.3	88.7	89.4	89.6	88.0	86.4	83.1	80.3						
PND8		81.2	92.9	99.3	101.3	102.4	102.3	100.7	99.0	94.7	91.1						

Run 41/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.0

		MODEL SOUND PRESSURE LEVELS (99.0 DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PNL
		FREQ. (0. 10.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)																	
RADIAL 17. FT.		50																	
(5. M)		63																	
		80																	
VEHICLE	UTMSIM	100	71.6	71.3	77.3	69.1	67.1	67.8	69.8	72.0	72.8	73.3	72.8						105.2
CONFIC	C+1	125	80.1	80.0	82.0	77.1	77.3	75.8	74.3	74.5	74.8	74.6	73.8						109.3
LOC	SCHENECTADY	160	78.8	77.5	79.8	78.4	78.3	77.0	75.0	74.5	74.5	72.8	72.6						109.1
DATE	7/17/75	230	79.8	82.3	84.0	81.1	80.1	80.3	79.5	79.5	77.8	75.3	73.5						112.4
RUN	41/4	250	88.5	87.5	89.0	86.9	85.6	84.5	84.2	84.0	84.2	82.0	80.5						117.0
TAPE		315	92.3	92.3	92.3	90.9	88.8	87.0	85.5	84.8	83.5	82.5	81.0						120.0
BAR	30.0 HG	400	90.1	90.0	90.8	89.4	88.6	87.5	85.5	83.3	81.3	79.6	77.8						118.9
	(01305. M/M2)	500	88.1	88.0	89.3	88.1	86.3	84.5	83.5	82.6	81.0	79.1	76.8						117.3
TANB	81. DEG F	630	89.3	89.8	91.3	89.4	88.6	87.3	85.5	84.1	81.5	78.8	76.8						119.0
	(300. DEG K)	800	92.8	92.3	93.6	92.9	91.8	90.3	88.7	86.8	84.8	82.6	80.0						122.1
T-RET	74. DEG F	1000	90.8	90.8	91.8	91.1	90.8	88.8	86.7	84.3	82.8	80.6	77.0						120.3
	(296. DEG K)	1250	92.1	92.1	93.3	92.7	90.3	88.3	87.0	84.6	82.6	80.9	77.8						120.9
HACT	18.81 GH/M3	1600	90.9	90.1	91.3	90.0	87.9	86.0	84.2	81.8	80.1	78.2	75.8						118.3
	(.01881 KG/M3)	2000	84.9	86.1	90.8	87.0	85.6	84.8	84.0	81.4	78.6	77.0	74.8						118.9
NFA	10643. RPM	2500	86.4	88.1	92.3	88.5	87.4	86.2	85.7	83.4	80.9	78.7	76.3						118.6
	(1114. RAD/SEC)	3150	98.1	100.8	102.0	102.4	101.1	99.2	99.7	98.1	95.0	92.5	90.0						131.8
NFK	10424. RPM	4000	88.5	89.2	93.9	90.4	88.7	87.1	86.8	84.8	82.1	78.9	76.8						120.0
	(1091. RAD/SEC)	5000	89.5	89.9	94.4	90.6	88.7	87.5	86.0	83.5	80.5	77.2	75.6						120.8
NFD	11517. RPM	6300	95.8	98.2	99.9	98.5	96.4	95.3	93.4	91.4	88.1	85.0	82.7						127.3
	(1206. RAD/SEC)	8000	92.4	93.1	96.9	93.4	91.4	88.9	87.4	85.0	82.5	79.1	76.7						122.5
NO. OF BLADES	18	10000	94.6	96.6	99.3	97.0	95.5	93.1	92.3	89.3	86.2	82.6	79.6						126.2
FAN TIP SPEED	16000	12500	93.5	95.1	99.1	96.8	96.6	94.6	93.3	91.0	88.9	84.5	80.5						127.0
	929. FT/SEC	20000	92.9	93.2	98.2	96.0	94.7	93.9	92.7	91.0	88.9	84.0	79.7						126.5
		25000	93.8	94.4	97.3	96.1	95.9	95.1	93.7	92.0	91.1	85.9	80.7						127.7
		31500	90.8	91.7	94.6	92.9	93.3	92.7	91.8	89.5	88.1	83.9	78.0						125.8
		40000	88.3	89.3	94.0	91.5	90.9	90.4	89.3	87.4	85.3	81.1	75.4						124.6
		50000	84.3	84.6	90.9	87.0	86.5	85.9	85.0	83.0	82.2	76.6	71.0						121.8
		63000	79.2	80.0	89.9	82.5	80.9	80.0	80.4	77.3	77.3	70.3	65.9						119.8
		80000	71.8	71.6	89.6	74.6	72.5	71.4	72.7	70.6	69.9	65.3	60.4						119.4
OVERALL MEASURED		80000	70.4	70.0	91.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						125.8
OVERALL CALCULATED			135.7	107.0	109.6	108.0	106.8	105.3	104.5	102.8	100.6	97.1	94.2						138.3
PNDR			118.5	120.3	122.1	121.3	119.8	118.1	117.9	116.2	113.9	111.0	108.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)
SIDELINE 500. FT. (152.40 M)	50	40.0	49.9	52.9	55.5	55.9	55.1	55.4	55.2	54.2	53.8
NFA 2990. RPM (314. RAD/SEC)	63	44.1	53.7	55.3	56.9	58.9	59.4	60.2	58.9	56.5	54.7
NFK 2936. RPM (307. RAD/SEC)	80	48.6	57.1	60.6	62.1	62.9	63.9	64.5	65.1	63.1	61.4
NFD 3244. RPM (340. RAD/SEC)	100	52.6	60.9	64.2	65.1	65.2	64.9	65.0	64.2	63.4	61.7
AIRFLOW RATIO NF/WP 12.6C	125	49.7	58.9	62.4	64.5	65.4	64.7	63.3	61.8	60.2	58.3
VEHICLE UTMSIM 1000	160	46.9	56.8	60.7	61.9	62.1	62.4	62.4	61.3	59.5	57.1
CGM.FIG C+1 1250	200	47.8	58.3	61.6	63.9	64.6	64.2	63.7	61.8	59.1	56.9
LCC SCHENECTADY 1000	250	49.5	60.0	64.6	66.8	67.4	67.2	66.2	64.7	62.6	59.9
DATE 7/17/75 2000	315	47.1	57.6	62.4	65.2	65.6	65.0	63.5	62.5	60.4	56.7
RM: 41/4 2500	400	47.3	58.4	63.5	64.6	64.7	64.9	63.5	62.0	60.5	57.2
TAPE 3150	500	44.3	55.8	60.3	61.7	62.2	61.9	60.3	59.3	57.5	55.0
FAN TIP SPEED 929. FT/SEC 6300	630	39.1	54.5	56.7	59.0	60.0	61.3	59.7	57.5	56.1	53.7
8000	800	39.8	55.1	57.6	60.3	61.6	62.7	61.4	59.5	57.5	54.9
10000	1000	51.0	64.0	71.0	73.6	74.2	76.3	75.8	74.2	71.0	68.3
OVERALL CALCULATED PND8	1250	37.8	54.9	58. 60.7	61.7	63.1	62.2	60.1	57.1	54.6	
	1600	36.3	54.0	57.5	59.9	61.5	61.7	60.4	58.1	54.9	53.1
	2000	42.1	58.2	64.5	66.9	68.7	68.7	67.9	65.2	62.3	59.8
	2500	34.4	54.0	58.6	61.4	61.8	62.2	61.0	59.2	56.1	53.4
	3150	33.7	54.3	60.9	64.3	65.1	66.4	64.6	62.3	58.9	55.7
	4000	25.9	51.1	58.6	63.9	65.3	66.3	65.4	64.1	59.9	55.7
	5000	20.6	48.5	56.8	63.3	64.2	65.3	65.0	63.8	59.0	54.5
	6300	11.2	42.4	53.5	60.0	63.3	64.5	64.4	64.4	59.5	54.0
	8000		31.8	45.1	53.5	57.7	59.9	59.4	59.1	55.2	49.0
	10000		20.1	36.4	45.6	50.9	53.5	53.8	53.0	49.2	43.1
	1250	59.5	70.7	75.8	78.2	79.1	80.1	79.4	78.0	75.1	72.5
	1600	63.9	79.6	85.5	88.6	90.0	90.7	89.8	88.4	85.0	81.8

ORIGINAL PAGE IS OF POOR QUALITY.

SIDELINE 200. FT. (60.96 M)	50	50.5	59.7	61.9	64.1	64.3	63.4	63.6	64.0	62.4	62.1
	63	54.8	63.8	64.5	65.7	67.5	67.8	68.6	67.2	64.9	63.0
	80	59.6	67.5	70.1	71.1	71.6	72.5	73.0	73.6	71.5	69.9
	100	63.9	71.6	73.9	74.2	74.1	73.6	73.7	72.8	72.0	70.3
	125	61.2	69.9	72.3	73.9	74.5	73.6	72.1	70.5	68.9	67.0
	160	58.8	68.1	70.9	71.5	71.4	71.5	71.3	70.2	68.4	65.9
	200	60.1	69.9	72.0	73.6	74.0	73.4	72.7	70.8	68.0	65.9
	250	62.1	71.9	75.3	76.8	76.9	76.5	75.4	73.8	71.7	69.0
	315	60.1	69.9	73.4	75.4	75.3	74.4	72.8	71.7	69.6	66.0
	400	60.8	71.1	74.7	75.0	74.7	74.6	73.0	71.4	69.9	66.6
	500	58.3	68.8	71.8	72.4	72.3	71.7	69.9	68.9	67.1	64.5
	630	53.7	68.0	68.6	70.0	70.9	71.4	69.6	67.3	65.8	63.4
	800	55.0	69.1	69.9	71.5	72.3	73.0	71.5	69.4	67.4	64.8
	1000	67.0	78.5	83.6	85.1	85.1	86.8	86.1	84.3	81.1	78.4
	1250	54.6	70.0	71.3	72.6	72.8	73.8	72.7	70.4	67.4	65.0
	1600	54.3	69.9	71.2	72.2	73.0	72.8	71.2	68.7	65.5	63.7
	2000	61.5	75.0	78.7	79.7	80.6	80.1	79.0	76.2	73.2	70.8
	2500	55.4	71.5	73.4	74.6	74.1	74.0	72.5	70.4	67.3	64.6
	3150	57.3	73.1	76.6	78.3	78.0	78.7	76.5	74.0	70.5	67.4
	4000	53.4	71.9	75.6	78.9	79.1	79.3	78.0	76.5	72.2	68.1
	5000	50.3	70.5	74.6	76.9	78.5	78.8	78.1	76.6	71.7	67.3
	6300	47.6	67.8	73.6	77.4	79.1	79.3	78.6	78.3	73.3	67.9
	8000	38.7	62.3	68.7	73.6	75.8	76.7	75.6	74.8	70.8	64.7
	10000	27.8	57.8	64.9	69.5	72.2	73.2	72.6	71.3	67.3	61.4
OVERALL CALCULATED PND8	73.1	84.8	88.5	90.1	90.5	91.1	90.2	88.6	85.4	82.5	
	82.2	96.8	100.3	102.3	102.8	103.1	101.8	100.2	96.6	93.0	

Run 41/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 26 YR. 14.7

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. PNL																
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																	
	63																	
RASIAL 17. FT.	80																	
(5. H)	100	72.1	71.3	70.3	68.9	66.8	67.3	70.0	71.8	73.0	73.1	73.6						
VEHICLE UTM-SIM	125	79.6	79.8	78.8	76.9	76.8	75.5	74.0	74.0	74.8	74.8	74.3					106.7	
CONFIG C+1	160	79.1	77.0	76.3	78.1	77.8	76.5	75.0	74.3	74.3	72.8	73.3					108.4	
LOC SCHENECTADY	200	80.6	82.3	82.3	81.4	80.8	80.3	80.0	80.0	78.5	75.8	74.3					112.8	
DATE 7/17/75	250	88.8	88.0	87.3	87.1	85.6	85.0	84.5	83.8	83.7	82.3	81.0					117.7	
RUN: 41/5	315	92.3	92.3	91.8	91.1	88.8	87.0	85.2	84.3	84.3	82.5	81.3					128.0	
TAPE	400	90.3	90.5	89.5	89.4	89.1	87.8	86.3	84.1	82.3	80.6	78.5					119.2	
EAR 30.0 HG	500	88.6	88.8	88.6	89.1	86.8	85.5	84.3	83.6	82.0	79.6	77.5					117.9	
(01305, N/M2)	630	91.1	90.8	90.3	90.4	88.8	87.8	86.0	84.1	81.8	79.1	77.6					119.3	
TAMP 81. DEG F	800	92.3	91.8	92.1	92.6	91.3	90.0	88.7	86.8	84.8	82.6	79.5					121.7	
(300, DEG K)	1000	90.3	90.8	90.6	91.6	90.6	89.0	87.5	84.8	82.5	80.6	77.3					120.4	
T-ET 74. DEG F	1250	91.1	91.6	91.3	91.9	90.6	88.5	87.2	85.1	83.6	81.1	78.0					120.6	
(296, DEG K)	1600	90.1	88.8	88.6	89.5	88.6	86.5	84.7	81.9	79.9	78.2	76.0					118.2	
HACT 18.81 GM/M3	2000	83.6	84.8	85.8	86.7	85.6	84.5	83.5	81.4	78.9	77.5	74.3					115.9	
(,01881 KG/M3)	2500	86.9	87.6	89.3	88.2	87.4	86.5	85.9	84.4	81.4	79.2	76.8					118.2	
NFA 11228. RPM	3150	103.6	102.1	103.8	103.4	102.6	101.0	100.9	98.1	97.1	93.7	90.7					133.1	
(1176, RAD/SEC)	4000	94.3	93.7	95.2	94.6	93.5	92.4	92.1	89.6	87.8	85.2	81.9					124.3	
NFK 10997. RPM	5000	88.5	89.7	89.6	89.8	87.9	86.5	85.5	83.2	81.5	77.7	76.1					118.6	
(1151, RAD/SEC)	6300	96.8	98.2	100.2	99.5	98.1	95.0	93.7	91.7	89.4	85.0	83.5					128.0	
NFD 11517. RPM	8000	90.9	92.8	93.9	93.6	92.2	90.4	87.9	85.5	83.2	80.4	77.4					122.3	
(1206, RAD/SEC)	10000	94.8	95.9	97.5	97.8	96.0	93.8	92.6	90.3	87.9	84.1	81.8					126.4	
NO. OF BLADES 18	12500	94.0	95.4	95.4	96.8	95.8	94.6	93.3	91.3	89.2	85.2	81.3					126.5	
FAN TIP SPEED	16000	93.2	93.4	93.9	96.2	94.9	93.7	92.7	90.5	89.4	84.7	81.2					126.0	
980. FT/SEC	20000	94.5	94.4	94.8	95.3	95.7	94.9	93.9	92.0	90.6	86.1	81.9					127.3	
	25000	92.0	92.5	92.1	93.2	93.5	92.9	92.3	89.8	88.4	84.1	79.0					125.8	
	31500	89.5	90.0	89.3	92.0	90.9	90.9	89.3	87.6	85.8	81.6	76.9					124.4	
	40000	85.0	85.6	84.9	87.7	87.2	86.4	85.5	82.8	82.5	77.4	72.5					121.7	
	50000	79.7	80.5	79.9	83.5	81.4	80.5	80.9	77.8	77.8	71.6	67.6					118.4	
	63000	71.8	71.9	71.6	75.1	73.0	72.1	73.0	70.6	70.9	65.5	61.4					113.2	
	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0					115.7	
OVERALL MEASURED																		
OVERALL CALCULATED		107.6	107.4	108.4	108.6	107.5	106.0	105.2	102.9	101.4	96.1	95.1					138.4	
PNL		121.8	121.1	122.3	122.1	121.0	119.4	118.9	116.5	115.1	112.1	109.4						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEC. P. 70 PERCENT REL. HUM. WAT)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)
	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.
SIDELINE 500. FT.	50	39.5	46.4	52.6	55.0	55.4	55.1	55.1	55.6	54.2	54.8	
(152.40 M)	63	44.1	51.9	55.5	57.7	58.9	59.9	60.7	59.6	57.0	55.4	
NFA 3163. RPM	80	49.1	56.4	60.8	62.1	63.4	64.1	64.2	64.6	63.3	61.9	
(331. RAD/SEC)	100	52.6	60.4	64.5	65.1	65.2	64.7	64.5	65.0	63.4	62.0	
NFA 3098. RPM	125	50.2	57.6	62.4	65.0	65.7	65.4	64.1	62.8	61.2	59.1	
(324. RAD/SEC)	160	47.6	56.1	61.7	62.4	63.1	63.2	63.4	62.3	60.0	57.8	
NFD 3244. RPM	200	48.8	57.3	62.6	64.1	65.1	64.7	63.7	61.9	59.3	57.7	
(340. RAD/SEC)	250	49.0	58.5	64.4	66.3	67.1	67.2	66.2	64.7	62.6	59.4	
AIRFLOW RATIO	315	47.1	56.3	62.9	65.2	65.8	65.7	64.0	62.2	60.4	57.0	
WF/WM 12.60	400	46.8	56.4	62.7	64.8	65.0	65.2	64.0	63.0	60.7	57.5	
VEHICLE UTHSIM	500	43.1	53.0	59.8	62.5	62.7	62.4	60.5	59.0	57.5	55.2	
CONFIG C+1	600	37.9	49.5	56.5	59.0	60.3	60.8	59.7	57.8	56.6	53.2	
LOC SCHENECTADY	800	39.3	52.1	57.4	60.3	61.9	62.9	62.4	60.0	58.0	55.4	
DATE 7/17/75	1000	52.3	65.7	72.0	75.1	75.9	77.6	75.8	75.4	72.2	69.0	
RJN 41/5	1250	42.3	56.1	62.5	65.4	66.9	68.3	66.9	65.8	63.4	59.9	
TAPE	1600	38.0	49.3	56.8	59.2	60.5	61.2	60.1	59.1	55.4	53.6	
FAN TIP SPEED	2000	42.1	58.5	65.5	68.7	68.4	68.9	68.1	66.4	63.3	60.8	
980. FT/SEC	2500	34.1	51.0	58.8	62.1	63.3	62.7	61.5	59.9	57.3	54.1	
6300	3150	33.0	52.5	61.6	64.8	65.9	66.7	65.6	64.0	60.4	57.9	
8000	4000	26.2	47.3	58.6	63.1	65.3	66.3	65.6	64.3	60.6	56.4	
OVERALL CALCULATED	5000	20.8	44.3	57.0	61.6	63.9	65.3	64.5	64.3	59.8	56.0	
PND9	6300	11.2	39.9	52.8	59.8	63.0	64.7	64.4	63.9	59.7	55.2	
	8000		29.3	45.3	53.7	57.9	60.4	59.7	59.3	55.4	50.0	
	10000		15.1	36.9	45.6	51.4	53.5	54.1	53.5	49.7	44.6	
	OVERALL CALCULATED	59.8	70.3	76.4	79.1	80.0	80.9	79.7	78.9	76.1	73.2	
	PND9	64.4	78.5	86.1	89.4	90.4	91.2	90.2	89.1	86.0	82.6	

SIDELINE 200. FT.	50	50.0	56.2	61.6	63.6	63.8	63.4	63.4	63.8	62.4	62.8	
(60.96 M)	63	54.8	62.0	64.7	66.5	67.5	68.3	69.1	67.9	65.4	63.7	
	80	60.1	66.8	70.3	71.1	72.1	72.7	72.7	73.1	71.8	70.4	
	100	63.9	71.1	74.2	74.2	74.1	73.4	73.2	73.5	72.0	70.6	
	125	61.7	68.6	72.3	74.4	74.7	74.3	72.9	71.5	69.9	67.8	
	160	59.5	67.4	71.9	72.0	72.4	72.2	72.3	71.2	68.9	66.7	
	200	61.1	68.9	73.0	73.9	74.5	73.9	72.7	70.9	68.3	66.6	
	250	61.5	70.4	75.1	76.3	76.7	76.5	75.4	73.8	71.7	68.5	
	315	60.1	68.6	73.9	75.4	75.6	75.2	73.3	71.5	69.6	66.2	
	400	60.3	69.1	74.0	75.3	74.9	74.8	73.5	72.4	70.1	66.9	
	500	57.0	66.1	71.3	73.1	72.8	72.2	70.2	68.6	67.1	64.8	
	630	52.4	63.0	68.4	70.0	70.7	70.9	69.6	67.5	66.3	62.9	
	800	54.5	66.1	69.6	71.5	72.5	73.2	72.5	69.9	67.9	65.3	
	1000	68.3	80.2	84.8	86.6	86.8	86.1	86.1	85.6	82.3	79.2	
	1250	59.1	71.3	75.6	77.3	78.1	79.1	77.4	76.2	73.7	70.2	
	1600	54.1	65.2	70.4	71.5	72.0	72.3	70.9	69.7	66.0	64.2	
	2000	61.5	75.2	79.7	81.5	80.4	80.4	79.2	77.4	74.2	71.5	
	2500	55.2	68.5	73.6	75.3	75.6	74.5	73.0	71.2	68.5	65.4	
	3150	56.6	71.4	77.3	78.8	78.8	78.9	77.5	75.7	72.0	69.6	
	4000	53.7	68.1	75.6	78.1	79.1	79.3	78.3	76.7	73.0	68.8	
	5000	50.6	66.3	74.9	77.2	78.2	78.8	77.6	77.1	72.5	68.8	
	6300	47.6	65.3	72.9	77.1	78.8	79.6	78.6	77.8	73.6	69.2	
	8000	39.5	59.8	69.0	73.8	76.0	77.2	75.8	75.1	71.1	65.7	
	10000	28.5	52.8	65.4	69.5	72.7	73.2	72.9	71.8	67.8	62.9	
	OVERALL CALCULATED	73.5	84.3	89.1	91.0	91.3	91.9	90.5	89.5	86.4	83.4	
	PND9	82.3	95.3	100.8	102.6	103.1	103.4	102.2	100.8	97.5	94.2	

Run 41/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.7

		MODEL SOUND PRESSURE LEVELS (99. DEG. F. 70 PERCENT REL. HUM. 8AY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	
		50																
		63																
RADIAL	17. FT.	80																
	(5. M)	100	70.8	70.3	69.0	68.1	66.6	67.5	69.3	71.0	72.5	72.8	72.8					104.1
VEHICLE	UTHSIM	125	72.8	79.0	77.8	76.4	76.1	75.0	73.0	73.5	73.8	74.1	73.8					108.8
CONFIG	C+1	160	79.1	76.8	76.0	78.1	77.8	76.5	75.0	74.5	74.3	72.8	73.3					112.2
LOC	SCHENECTADY	200	80.1	82.0	82.0	80.9	80.3	80.0	79.5	79.8	78.0	75.0	73.8					116.9
DATE	7/17/75	250	88.3	87.3	86.8	86.1	85.1	84.3	83.5	83.5	82.7	81.8	79.5					119.4
RUN	41/6	315	92.3	92.0	91.0	90.1	88.1	86.3	84.5	84.0	83.3	82.5	81.0					119.0
TAFE		400	90.3	90.3	89.3	89.9	88.3	87.5	86.0	84.3	82.3	80.1	78.3					117.5
EAF	30.0 HG	500	88.3	88.3	88.8	88.9	87.1	85.5	84.3	83.1	81.5	79.6	77.5					116.7
	(01305. N/M2)	630	89.3	90.0	89.1	89.4	88.1	87.3	85.8	83.8	81.5	78.6	77.1					121.0
TAPB	82. DEG F	800	91.6	91.3	91.1	91.6	91.1	89.5	87.7	86.3	84.3	82.1	79.3					119.8
	(301. DEG K)	1000	90.1	90.0	89.3	90.1	89.8	88.5	86.7	84.6	82.5	80.6	77.8					119.8
TWET	74. DEG F	1250	89.3	90.3	90.8	90.2	89.1	88.3	86.7	84.9	83.3	81.1	77.5					117.7
	(296. DEG K)	1600	88.1	87.6	88.1	89.0	87.6	86.0	84.5	82.1	80.4	78.2	75.5					116.0
HACT	18.50 GH/M3	2000	84.9	85.1	86.3	87.0	85.9	84.3	83.0	81.1	79.6	77.2	74.3					117.5
	(.01850 KG/M3)	2500	86.6	87.6	88.3	88.7	87.6	85.7	84.2	81.9	79.9	78.0	75.3					112.1
NFA	11642. RPM	3150	99.1	100.3	99.5	101.7	101.3	100.2	98.9	99.6	97.9	94.7	91.5					129.6
	(1219. RAD/SEC)	4000	96.3	98.0	97.2	99.6	99.0	97.9	96.8	97.3	95.1	92.2	88.6					118.4
NFK	11392. RPM	5000	88.0	88.4	88.6	89.3	87.9	86.3	85.5	83.7	81.8	78.7	76.6					129.2
	(1193. RAD/SEC)	6300	92.9	95.0	97.4	95.2	94.4	93.3	91.9	89.7	87.9	85.2	82.0					123.0
NFD	11517. RPM	8000	92.2	93.6	95.2	93.9	92.9	91.9	90.4	87.8	86.2	83.1	79.9					125.0
	(1206. RAD/SEC)	10000	96.3	96.4	96.3	96.3	95.7	93.8	92.1	90.3	87.9	84.1	81.1					125.8
NO. OF BLADES	18	12500	94.5	94.9	94.4	95.8	94.8	93.8	92.3	90.3	88.2	84.5	80.8					126.1
FAN TIP SPEED	16000	16000	93.7	94.2	93.4	96.0	94.9	94.2	92.2	91.0	89.5	85.0	81.0					127.1
	1016. FT/SEC	20000	94.0	94.4	94.5	95.8	95.4	94.9	93.2	91.7	90.3	86.4	82.2					125.3
		25000	92.0	92.7	91.6	93.2	93.3	92.2	90.9	89.3	87.7	84.7	79.1					124.1
		31500	89.3	90.0	89.0	91.3	90.7	90.7	88.8	87.2	85.3	82.1	76.4					121.3
		40000	85.1	85.7	84.7	87.0	87.0	85.8	84.8	82.9	82.3	77.2	73.1					118.0
		50000	80.1	80.8	80.2	82.6	81.3	80.0	79.8	77.4	77.9	71.7	68.0					112.8
		63000	71.1	72.0	71.8	74.5	72.6	71.8	72.4	70.5	70.6	65.4	61.3					119.8
		80000	70.5	70.2	68.9	71.6	70.3	70.7	71.1	70.5	71.2	68.2	61.2					130.2
	OVERALL MEASURED																	
	OVERALL CALCULATED		106.2	106.9	106.8	107.8	107.1	106.0	104.8	104.1	102.3	99.2	95.9					
	PWB		119.1	120.1	119.8	121.0	120.4	119.2	117.9	117.7	116.0	113.1	110.1					

Run 41/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT REL. HUM. NAT)												
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175.)
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.6	55.0	58.4	59.1	59.4	59.6	54.2	54.6	
NFA 3279. RPM (343. RAD/SEC)	63	43.9	51.7	55.0	57.2	58.7	59.4	60.4	59.1	56.3	54.9	
NFK 3209. RPM (336. RAD/SEC)	80	48.3	55.9	59.8	61.6	62.7	63.1	64.0	63.6	62.8	60.4	
NFD 3244. RPM (340. RAD/SEC)	100	52.4	59.6	63.5	64.3	64.4	63.9	64.3	64.0	63.4	61.7	
AIRFLOW RATIO WF/W 12.66	125	49.9	57.4	62.9	64.3	65.4	65.2	64.3	62.8	60.7	58.8	
VEHICLE CONFIG	160	47.1	56.3	61.4	62.7	63.1	63.2	62.9	61.8	60.0	57.8	
LOC SCHENECTADY	200	48.1	56.0	61.6	63.4	64.6	64.5	63.4	61.6	58.8	57.2	
DATE 7/17/75	250	48.5	57.5	63.4	66.0	66.6	66.2	65.7	64.2	62.1	59.2	
RUN 41/6	315	46.3	55.1	61.4	64.2	65.3	65.0	63.7	62.2	60.4	57.5	
TAPE	400	45.6	55.9	61.0	63.3	64.7	64.7	63.8	62.8	60.7	57.0	
FAN TIP SPEED 1018. FT/SEC	500	41.8	52.5	59.3	61.5	62.2	62.1	60.8	59.5	57.5	54.7	
OVERALL CALCULATED	630	38.1	50.0	56.7	59.3	60.1	60.3	59.5	58.5	56.3	53.2	
PND8	800	39.3	51.1	57.9	60.6	61.1	61.2	59.9	58.5	56.8	53.9	
	1000	50.5	61.5	70.3	73.8	75.2	75.6	77.3	76.2	73.2	69.8	
	1250	46.5	58.1	67.5	70.9	72.4	73.1	74.7	73.1	70.4	66.6	
	1600	34.8	48.3	56.3	59.2	60.2	61.2	60.6	59.3	56.4	54.1	
	2000	38.9	55.7	61.3	64.9	66.7	67.2	66.1	64.9	62.5	59.1	
	2500	34.9	52.2	59.1	62.9	64.8	65.2	63.8	62.9	60.1	56.6	
	3150	33.5	51.3	58.1	64.6	65.9	66.2	65.8	64.0	60.4	57.2	
	4000	25.7	46.3	57.6	62.1	64.6	65.3	64.7	63.3	59.9	55.9	
	5000	21.6	43.8	56.8	61.6	64.4	64.8	65.0	64.3	60.0	55.8	
	6300	11.2	39.7	53.3	59.5	63.1	64.0	64.1	63.6	60.0	55.5	
	8000		28.8	45.4	53.5	57.2	58.9	59.2	58.6	55.9	50.0	
	10000		15.1	36.2	45.3	51.2	53.0	53.6	53.1	50.2	44.2	
	OVERALL CALCULATED	59.3	68.7	75.6	78.7	80.0	80.3	81.1	79.9	77.2	74.0	
	PND8	63.5	77.0	84.9	88.8	90.4	90.8	90.8	89.6	86.8	83.2	

SIDELINE 200. FT. (60.96 M)	50	49.7	56.0	61.6	63.6	63.8	63.4	63.6	63.8	62.4	62.8	
	63	54.5	61.8	64.2	65.0	67.2	67.8	68.8	67.4	64.6	63.2	
	80	59.3	66.3	69.3	70.6	71.4	71.7	72.5	72.1	71.3	68.9	
	100	63.7	70.3	73.2	73.5	73.3	72.6	72.9	72.5	72.0	70.3	
	125	61.5	68.4	72.8	73.6	74.5	74.1	73.1	71.5	69.4	67.5	
	160	59.0	67.6	71.6	72.3	72.4	72.2	71.8	70.7	68.9	66.7	
	200	60.3	67.6	72.0	73.1	74.0	73.6	72.5	70.6	67.8	66.1	
	250	61.1	69.4	74.1	76.0	76.2	75.5	74.9	73.3	71.2	68.3	
	315	59.3	67.4	72.4	74.4	75.1	74.4	73.1	71.5	69.5	66.7	
	400	59.1	68.6	72.2	73.8	74.7	74.3	73.3	72.2	70.1	66.4	
	500	55.8	65.6	70.8	72.1	72.3	72.0	70.4	69.1	67.1	64.3	
	630	52.7	63.5	68.6	70.2	70.4	70.4	69.3	68.3	66.0	62.9	
	800	54.5	65.1	70.1	71.8	71.8	71.5	70.0	68.4	66.7	63.8	
	1000	66.5	76.0	82.9	85.3	86.1	86.1	87.6	86.3	83.3	79.9	
	1250	63.4	73.3	80.6	82.8	83.6	83.6	85.2	83.4	80.7	77.0	
	1600	62.8	64.2	69.9	71.5	71.8	72.3	71.4	70.0	67.0	64.7	
	2000	58.3	72.5	75.5	77.7	78.6	78.6	77.2	75.9	73.4	70.0	
	2500	55.9	69.8	73.9	76.1	77.1	77.0	75.2	74.2	71.3	67.9	
	3150	57.1	70.1	75.8	78.5	78.8	78.4	77.5	75.7	72.1	68.9	
	4000	53.2	67.1	74.6	77.1	78.4	78.3	77.3	75.7	72.2	68.3	
	5000	51.4	65.8	74.6	77.2	78.7	78.3	78.1	77.1	72.8	68.6	
	6300	47.6	65.1	73.4	76.9	78.9	78.8	78.4	77.6	73.9	69.5	
	8000	39.8	59.3	69.3	73.6	75.3	75.8	75.4	74.4	71.6	65.8	
	10000	28.5	52.8	64.7	69.3	72.5	72.7	72.4	71.3	68.3	62.4	
	OVERALL CALCULATED	72.9	82.6	88.3	90.6	91.4	91.3	91.8	90.4	87.6	84.2	
	PND8	81.6	94.0	97.9	102.3	103.0	102.9	102.2	100.9	97.8	94.3	

Run 41/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.7

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.												PWL				
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)		(0.)	(0.)	(0.)	(0.)
	50																	
	63																	
RADIAL 17. FT.	80																	
(S. M.)	100	71.6	70.8	69.8	68.4	66.3	67.3	69.5	71.0	72.5	72.8	72.6						104.1
VEHICLE UTMSIM	125	78.8	79.0	77.8	75.9	75.6	74.8	73.5	73.8	74.3	74.3	74.8						100.1
CONFIG C+1	160	78.8	76.8	76.0	77.9	77.8	76.0	74.5	74.5	74.0	73.1	73.8						100.5
LOC SCHEMECTADY	200	79.8	82.8	82.5	81.6	80.6	80.8	79.5	79.3	78.0	75.3	73.5						112.4
DATE 7/17/75	250	87.8	87.0	86.3	86.1	84.6	83.8	83.2	83.0	82.7	81.0	79.5						116.6
RUN 41/7	315	91.8	92.0	90.8	90.4	88.3	85.8	85.0	84.0	83.3	82.3	80.5						119.3
TAPE	400	90.3	90.3	89.3	89.6	88.6	88.0	86.5	84.6	82.5	80.6	78.6						119.3
BAR 30.0 HG	500	88.8	88.8	88.6	88.6	87.1	85.3	84.3	83.1	81.0	79.3	77.5						117.7
(01305. N/M2)	630	89.1	89.3	89.3	89.7	88.6	87.8	85.5	84.1	81.5	78.8	77.6						116.9
TAMB 81. DEG F	830	90.8	90.8	90.8	91.1	90.6	89.0	87.7	85.8	84.5	81.8	79.3						120.7
(300. DEG K)	1000	90.3	89.3	89.3	90.4	89.8	88.6	87.0	84.6	82.5	80.6	77.5						119.7
T-ET 74. DEG F	1250	88.6	90.1	90.3	90.4	89.1	87.8	86.7	84.9	82.8	80.9	77.8						119.7
(296. DEG K)	1600	87.6	87.3	87.8	88.5	87.1	86.0	84.2	82.6	81.1	79.7	75.8						117.5
HACT18.81 G4/H3	2000	84.9	85.1	86.1	87.2	85.9	85.0	83.2	81.4	79.4	78.5	75.5						116.3
(.01881 KG/H3)	2500	85.4	86.8	87.5	88.2	87.6	85.7	84.2	82.9	79.9	77.5	75.8						117.4
NFA 11768. RPM	3150	97.6	99.3	97.8	100.2	100.1	101.5	101.7	98.6	96.9	92.7	91.5						132.0
(1232. RAD/SEC)	4000	97.5	99.2	97.9	99.9	100.2	101.9	102.1	99.1	97.3	92.9	91.6						132.3
NFK 11526. RPM	5000	87.2	88.2	88.6	88.8	87.9	86.8	85.5	83.7	81.5	78.4	76.6						116.4
(1207. RAD/SEC)	6300	92.4	94.5	95.7	94.2	94.1	92.0	91.9	88.9	86.4	84.2	81.7						124.3
NFD 11517. RPM	8000	92.9	94.3	95.7	94.9	94.2	92.4	91.7	88.8	86.7	83.8	81.2						124.5
(1206. RAD/SEC)	10000	95.6	95.4	96.0	96.3	96.0	94.1	92.1	89.5	86.2	84.6	81.3						129.8
NO. CF BLADES 18	12500	94.0	94.4	93.4	95.3	94.6	93.1	91.6	89.5	88.2	84.2	80.5						125.0
FAN TIP SPEED	16000	94.2	94.4	93.4	96.7	94.4	93.7	92.2	90.8	89.2	85.2	81.5						126.1
1027. FT/SEC	20000	94.3	94.7	94.5	95.8	95.2	94.6	93.2	91.5	90.6	86.6	82.7						127.0
	25000	91.8	92.0	91.6	92.7	93.3	92.2	91.1	88.8	88.1	84.1	79.5						125.2
	31500	89.0	89.8	89.0	91.2	90.9	89.9	88.3	86.9	86.1	82.6	78.9						123.9
	40000	84.8	85.6	84.1	87.0	86.2	85.7	84.5	82.8	82.2	77.6	73.3						121.1
	50000	80.2	80.5	79.4	82.3	81.2	79.7	79.9	77.1	77.8	71.6	68.1						117.8
	63000	71.3	71.6	71.6	74.6	72.6	71.1	72.0	70.3	70.4	65.3	61.9						112.7
	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						115.7
OVERALL MEASURED																		
OVERALL CALCULATED		105.9	106.8	106.3	107.5	107.1	107.1	106.7	104.1	102.5	98.8	96.7						138.5
PWR		118.3	119.5	118.9	120.2	119.9	120.4	120.1	117.5	115.7	112.2	110.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (0.10)	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.4	55.0	54.9	54.0	55.4	55.3	54.5	55.1
	63	44.6	52.2	55.8	57.4	59.4	59.4	59.9	59.1	56.5	54.7
	80	48.1	55.4	59.8	61.3	62.2	62.9	63.9	63.6	62.3	60.4
NFA 3315. RPM	100	52.4	59.4	63.7	64.6	63.9	64.4	64.3	64.0	63.2	61.2
(347. RAD/SEC)	125	49.9	57.4	62.6	64.5	65.9	65.7	64.6	63.0	61.2	59.3
NFK 3247. RPM	160	47.6	56.1	61.2	62.7	62.9	63.2	62.9	61.3	59.8	57.8
(340. RAD/SEC)	200	47.3	56.3	61.8	63.9	65.1	64.2	63.7	61.6	59.1	57.7
NFD 3244. RPM	250	48.0	57.2	62.9	65.5	66.1	66.2	65.2	64.4	61.9	59.2
(340. RAD/SEC)	315	45.6	55.1	61.7	64.4	65.6	65.2	63.7	62.2	60.4	57.2
AIRFLOW RATIO	400	45.3	55.4	61.2	63.3	64.2	64.7	63.8	62.3	60.5	57.2
WF/W 12.60	500	41.6	52.3	58.0	61.0	62.2	61.9	61.3	60.3	59.0	55.0
	630	38.1	49.7	57.0	59.3	60.8	60.6	59.7	58.3	57.6	54.4
	800	38.5	50.4	57.4	60.6	61.1	61.2	60.9	58.5	56.3	54.4
VEHICLE UTNSIM 1000	1000	49.5	59.7	68.8	72.6	76.4	78.3	76.3	75.2	71.2	69.8
CONFIG C-1 1250	1250	47.8	58.9	67.7	72.2	76.4	78.3	76.4	75.3	71.1	69.6
LCC SCHENECTADY 1600	1600	34.5	48.3	55.8	59.2	60.7	61.2	60.6	59.1	56.1	54.1
DATE 7/17/75 2000	2000	38.4	54.0	60.3	64.7	65.4	67.2	65.4	63.4	61.5	58.9
RUN: 41/7 2500	2500	35.6	52.7	60.1	64.1	65.3	66.5	64.8	63.4	60.6	57.9
TAPE 3150	3150	32.5	51.0	60.1	64.8	66.1	66.2	64.7	64.1	60.9	57.4
FAN TIP SPEED 4000	4000	25.2	45.3	57.1	61.9	63.8	64.5	63.4	63.3	59.6	55.7
1027. FT/SEC 5000	5000	21.8	43.8	57.5	61.1	63.9	64.8	64.8	64.5	60.3	56.3
	6300	11.5	39.7	53.3	59.3	62.6	64.0	63.9	63.9	60.2	56.0
	8000		28.8	44.8	53.5	57.2	59.1	58.7	59.1	55.4	50.5
	10000		15.1	38.1	45.6	50.4	52.5	53.3	53.8	50.7	44.6
OVERALL CALCULATED		59.1	68.3	75.2	78.6	81.4	82.8	81.2	80.1	78.7	74.8
PNCB		63.1	76.4	84.8	88.9	91.2	92.4	91.1	90.1	88.7	84.2

ORIGINAL PAGE IS OF POOR QUALITY

	50	49.7	56.0	61.4	63.6	63.3	62.9	63.6	63.5	62.7	63.3
	63	55.3	62.3	65.0	66.2	68.0	67.8	68.3	67.4	64.9	63.0
SIDELINE 200. FT. (60.96 M)	80	59.1	65.8	69.3	70.3	70.9	71.5	72.0	72.1	70.5	68.9
	100	63.7	70.1	73.4	73.7	72.8	73.1	72.9	72.5	71.7	69.8
	125	61.5	68.4	72.5	73.9	75.0	74.6	73.4	71.7	69.9	68.0
	160	59.5	67.4	71.4	72.3	72.1	72.2	71.8	70.2	68.5	66.7
	200	59.6	67.9	72.2	73.6	74.5	73.4	72.7	70.6	68.0	66.6
	250	60.6	69.1	73.6	75.5	75.7	75.5	74.4	73.5	71.0	68.3
	315	58.6	67.4	72.6	74.6	75.3	74.7	73.1	71.5	69.6	66.5
	400	58.8	68.1	72.5	73.8	74.2	74.3	73.3	71.7	69.9	66.6
	500	55.5	65.3	70.3	71.6	72.3	71.7	70.9	69.9	68.6	64.5
	630	52.7	63.3	68.9	70.2	71.2	70.6	69.6	68.0	67.3	64.2
	800	53.7	64.4	69.8	71.8	71.8	71.5	71.0	68.4	66.2	64.3
	1000	65.5	74.2	81.4	84.1	87.3	88.8	86.6	85.3	81.3	79.9
	1250	64.6	74.0	80.8	84.1	87.6	89.1	86.9	85.7	81.4	80.0
	1600	52.6	64.2	69.4	71.5	72.3	72.3	71.4	69.7	68.7	64.7
	2000	57.8	68.7	74.5	77.5	77.4	78.6	76.5	74.4	72.4	69.6
	2500	56.7	70.3	74.9	77.3	77.6	78.2	76.2	74.7	71.8	69.1
	3150	56.1	69.9	75.8	78.2	79.0	78.4	76.8	76.0	72.5	69.1
	4000	52.7	66.1	74.1	76.7	77.6	77.6	76.5	75.7	72.0	68.1
	5000	51.6	65.8	75.4	76.7	78.2	78.3	77.8	77.3	73.0	69.1
	6300	47.9	65.0	73.4	76.6	78.6	78.8	78.1	77.8	74.1	69.9
	8000	39.0	59.3	68.5	73.6	75.3	76.0	74.8	74.8	71.1	66.2
	10000	28.3	52.8	64.7	69.5	71.7	72.2	72.1	72.0	68.8	62.9
OVERALL CALCULATED		72.7	82.1	88.7	90.5	92.6	93.6	91.8	90.7	87.1	85.0
PNCB		81.2	93.7	98.8	102.4	103.3	103.9	102.4	101.2	97.7	95.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F., 70 PERCENT REL. HUM. HAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.
	50	37.8	44.9	51.4	53.5	53.4	53.3	54.1	54.3	54.0	54.8
	63	45.4	52.4	55.5	56.9	59.2	58.6	59.7	58.9	56.5	53.9
SIDELINE 500. FT.	80	47.3	54.9	59.1	60.6	61.4	62.1	63.0	62.9	61.1	59.4
(152.46 M)	100	51.1	58.4	63.0	63.8	63.4	63.2	63.8	63.7	62.4	60.7
NFA 3432. RPM	125	50.9	58.9	63.6	65.8	66.9	66.2	64.6	63.3	62.5	60.1
(359. RAD/SEC)	160	47.9	56.6	61.2	61.9	62.6	62.7	62.4	61.1	59.0	56.8
NFK 3361. RPM	200	50.1	58.8	63.3	64.9	65.1	65.5	63.4	61.9	59.6	58.2
(352. RAD/SEC)	250	47.5	57.5	64.1	67.0	66.1	68.0	67.0	65.4	63.1	60.4
NFD 3244. RPM	315	45.6	55.1	62.2	65.9	68.1	67.5	66.5	65.2	62.9	59.0
(340. RAD/SEC)	400	44.1	55.7	62.0	65.8	68.0	68.2	67.5	66.0	63.7	60.5
AIRFLOW RATIO	500	40.8	51.5	59.3	63.0	65.4	65.1	63.8	64.3	62.5	58.0
WF/WB 12.60	630	40.1	51.2	57.5	61.5	65.6	67.3	66.0	66.3	65.3	60.9
	800	46.5	59.6	67.6	71.1	75.1	72.7	70.2	68.3	66.3	64.9
VEHICLE UTWSIM	1000	50.7	65.4	74.0	77.3	82.1	79.5	76.3	74.4	72.2	71.2
CONFIG C*1	1250	37.7	51.1	58.7	61.7	63.4	63.8	62.4	60.8	57.6	55.3
LOC SCHENECTADY	1600	38.1	51.7	60.0	62.7	64.8	64.3	63.6	62.4	60.0	56.6
DATE 7/17/75	2000	39.3	53.9	63.3	66.1	67.4	67.0	67.0	65.6	63.3	59.9
RUN 41/8	2500	36.8	51.7	61.1	64.8	66.1	66.3	65.7	65.3	61.7	58.4
TAPE	3150	31.7	48.6	59.6	63.4	64.8	65.8	64.6	64.5	61.5	57.3
FAN TIP SPEED	4000	25.8	46.2	58.1	63.1	65.0	65.5	65.5	65.2	61.7	57.2
1064. FT/SEC	5000	22.3	45.1	56.6	62.3	65.3	65.9	66.2	66.1	62.7	58.4
	6300	9.4	37.2	50.7	57.5	60.5	62.0	61.6	61.6	58.9	54.2
	8000		27.1	43.8	51.9	55.8	56.7	57.2	57.4	54.3	49.3
	10000		12.1	32.7	42.3	46.6	49.6	49.6	50.8	46.3	43.1
OVERALL CALCULATED		59.3	70.0	77.4	80.5	84.2	82.5	80.5	79.3	77.1	74.9
PNCB		63.6	77.8	86.4	90.0	93.4	92.3	90.6	90.0	87.1	84.4

	50	48.2	54.7	60.4	62.1	61.8	61.6	62.4	62.5	62.2	63.1
	63	56.0	62.5	64.7	65.7	67.7	67.1	68.1	67.2	64.9	62.2
SIDELINE 200. FT.	80	58.3	65.3	68.6	69.6	70.1	70.7	71.5	71.4	69.5	67.9
(60.96 M)	100	62.4	69.1	72.7	73.0	72.3	71.9	72.4	72.3	71.0	69.3
	125	62.5	69.9	73.5	75.1	76.0	75.1	73.4	72.0	71.2	68.8
	160	59.8	67.9	71.4	71.5	71.9	71.7	71.3	69.9	67.9	65.7
	200	62.3	70.4	73.7	74.6	74.5	74.6	72.5	70.9	68.5	67.1
	250	60.1	69.4	74.8	77.0	77.7	77.3	76.2	74.5	72.2	69.5
	315	58.6	67.4	73.1	76.1	77.8	76.9	75.6	74.5	72.1	68.2
	400	57.6	68.4	73.2	76.3	77.9	77.8	77.0	75.4	73.1	69.9
	500	54.8	64.6	70.8	73.6	75.6	75.0	73.4	73.9	72.1	67.5
	630	54.7	64.8	69.4	72.5	75.9	77.4	75.8	76.0	75.0	70.7
	800	61.7	73.6	79.9	82.3	85.7	82.9	80.2	78.2	76.2	74.8
	1000	66.7	79.9	86.6	88.8	93.0	90.0	86.6	84.6	82.3	81.4
	1250	54.6	66.2	71.8	73.5	74.5	74.5	72.9	71.1	67.8	65.7
	1600	56.1	67.8	73.6	75.0	76.4	75.3	74.4	73.1	70.6	67.2
	2000	58.7	70.6	77.5	78.9	79.4	78.4	78.2	76.6	74.2	70.8
	2500	57.3	69.3	75.9	78.0	78.4	78.0	77.1	76.5	72.9	69.7
	3150	55.3	67.5	75.3	77.3	77.7	78.1	76.5	76.2	73.2	69.0
	4000	53.3	67.0	75.1	78.1	78.8	78.6	78.1	77.6	74.0	69.6
	5000	52.0	67.0	74.4	77.8	79.6	79.5	79.2	78.9	75.4	71.2
	6300	45.8	62.5	70.9	74.9	76.3	76.9	75.6	75.5	72.7	68.2
	8000	37.7	57.6	67.5	72.1	73.9	73.6	73.4	73.2	69.9	65.0
	10000	25.7	49.8	61.3	66.2	67.9	69.3	68.4	69.1	64.4	61.4
OVERALL CALCULATED		72.8	83.7	89.9	92.1	95.2	93.1	91.0	89.8	87.3	85.0
PNCB		81.5	93.6	100.2	102.6	105.1	103.6	102.3	101.8	98.8	95.4

Run 42/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 YR. 14.8

MODEL SOUND PRESSURE LEVELS (99. DEC. P. 70 PERCENT REL. NUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pnl															
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																
	63																
RADIAL 37. FT.	80																
(7. M)	100	69.8	68.8	67.8	66.6	64.8	65.5	67.5	69.5	70.2	70.9	70.6					102.2
VEHICLE UTMSIM	125	76.8	77.3	75.8	74.1	74.1	73.5	72.5	72.0	72.2	71.9	71.1					100.2
CONFIG HDWALL	160	76.8	74.3	73.8	75.9	75.3	74.0	71.8	71.3	70.9	68.6	68.1					105.0
LCC SCHEMECTADY	200	78.3	80.3	80.5	79.4	77.8	78.5	77.8	77.3	74.7	72.3	69.8					110.1
DATE 7/17/75	250	84.8	83.5	83.0	82.4	81.1	80.0	80.0	79.8	79.4	77.8	76.0					113.2
RUN 42/1	315	87.6	88.0	86.5	86.4	84.1	81.8	80.7	80.0	79.4	78.1	76.0					115.2
TAPE	400	83.6	83.0	82.8	83.1	81.6	79.5	78.3	75.8	73.2	71.9	70.5					111.7
BAR 30.0 HG	500	83.3	83.3	83.1	83.1	81.8	79.5	78.0	76.1	74.9	72.9	71.3					111.9
(01212, N/H2)	630	88.8	88.5	88.3	87.9	86.3	85.0	83.5	81.8	79.5	76.9	74.0					117.0
TANØ 82. DEG F	800	69.6	90.0	89.8	89.9	88.1	87.0	85.0	82.3	80.0	78.6	75.5					110.9
(301, DEG K)	1000	87.6	87.3	87.1	87.9	86.3	84.3	82.7	80.1	77.7	75.1	71.8					110.2
TNET 75, DEG F	1250	86.1	86.3	86.3	86.9	85.8	83.5	81.7	79.6	77.0	74.9	71.5					115.4
(297, DEG K)	1600	85.6	85.1	84.6	84.2	83.4	81.3	79.5	76.1	74.0	72.5	69.8					113.2
HACT19.48 GM/H3	2000	94.4	93.6	95.3	97.2	96.6	93.3	89.5	86.9	83.8	82.0	79.3					124.9
(01948 KG/H3)	2500	87.6	86.8	87.8	89.5	87.9	85.7	83.2	80.1	76.8	75.5	72.8					117.2
NFA 7088. RPM	3150	83.8	83.6	84.8	85.9	85.1	83.2	81.9	78.6	75.6	73.0	70.5					114.6
(742, RAD/SEC)	4000	93.0	93.0	92.9	92.9	92.0	91.9	90.1	86.1	83.2	79.7	77.1					122.4
NFK 6936. RPM	5000	90.2	90.7	90.6	90.6	90.4	88.8	87.0	83.2	80.0	77.2	75.3					119.9
(726, RAD/SEC)	6300	94.4	94.7	95.7	95.0	93.6	93.3	90.9	87.9	84.3	81.0	78.2					124.2
NFD 11517. RPM	8000	92.2	93.1	93.4	94.9	94.4	93.2	91.4	88.5	84.4	80.9	77.9					124.1
(1206, RAD/SEC)	10000	90.1	91.9	93.0	93.8	93.2	92.8	91.8	88.5	84.3	80.9	77.6					123.8
NO. OF BLADES 18	12500	89.5	89.9	90.4	91.1	91.5	90.3	88.5	85.8	81.9	77.0	73.3					121.4
FAN TIP SPEED	16000	66.2	87.2	87.2	89.5	88.2	87.7	86.2	83.0	79.9	73.5	69.9					119.1
619. FT/SEC	20000	85.3	85.9	86.3	87.8	87.2	86.1	84.7	81.2	76.7	70.4	66.7					118.1
	25000	83.7	84.2	84.1	85.7	85.3	84.4	83.1	79.8	74.8	67.4	63.5					118.0
	31500	81.3	82.5	81.7	83.7	83.3	82.4	80.2	77.1	71.9	63.6	60.1					115.0
	40000	78.5	78.8	77.8	80.2	79.4	77.6	76.5	72.7	68.4	59.6	57.7					113.0
	50000	74.4	74.9	74.0	75.7	74.1	73.4	72.6	69.2	64.1	57.3	57.8					110.9
	63000	68.9	68.7	67.8	70.5	68.4	66.8	68.1	67.5	60.5	56.9	58.5					108.3
	80000	70.2	69.9	68.6	71.3	70.0	70.3	70.7	70.2	61.0	58.1	60.9					114.3
OVERALL MEASURED																	
OVERALL CALCULATED		102.7	102.9	103.4	104.1	103.3	102.0	100.1	97.1	93.8	91.0	88.3					132.4
PNDØ		115.3	115.3	115.7	116.3	115.4	113.9	112.0	108.8	104.9	103.2	100.6					

Run 42/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 30 HR. 14.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P, 70 PERCENT REL. HUM. HAV)

FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
SIDELINE 500. FT. (152.40 M)	36.6	43.9	50.4	52.5	52.9	51.8	52.1	52.2	50.0	49.3	
NFA 1996. RPM (209. RAD/SEC)	42.1	50.2	53.5	54.7	57.2	57.6	57.9	55.8	53.6	50.9	
NFK 1954. RPM (205. RAD/SEC)	44.6	52.1	56.1	57.6	58.4	59.6	60.2	60.3	58.9	56.7	
NFD 3244. RPM (340. RAD/SEC)	48.4	55.1	59.7	60.3	59.9	60.2	60.3	60.1	59.0	56.7	
AIRFLOW RATIO NF/WH 12.60	42.1	50.6	55.7	57.4	57.1	56.9	55.9	55.2	53.3	51.6	
VEHICLE UTHSIN 1000	46.6	55.3	60.1	61.6	63.1	62.2	61.4	59.6	57.1	54.7	
CONFIG MCHALL 1250	47.2	56.2	61.6	63.0	64.1	63.5	61.7	59.8	58.7	55.4	
LCC SCRENECTADY 1600	43.6	52.8	59.2	60.9	61.1	61.0	59.2	57.4	55.0	51.5	
DATE 7/17/75	39.3	49.0	55.2	57.7	57.7	57.4	56.2	54.2	52.3	49.0	
RUN 42/1	46.6	59.0	67.0	70.0	69.1	66.8	65.2	62.7	61.1	58.2	
TAPE	38.5	50.6	58.6	60.8	61.1	60.2	58.2	55.4	54.3	51.4	
FAN TIP SPEED 619. FT/SEC	33.8	46.7	54.5	57.6	58.2	58.6	56.3	53.9	51.5	48.8	
	41.5	53.9	60.7	63.9	66.4	66.3	63.4	61.2	57.9	55.1	
	37.3	50.3	57.5	61.7	62.7	62.7	60.1	57.5	54.9	52.8	
	38.6	54.0	61.0	64.2	66.7	66.2	64.4	61.4	58.3	55.3	
	34.4	50.5	58.1	64.4	66.1	66.2	64.5	61.1	57.9	54.6	
	29.6	48.0	57.6	62.1	64.9	65.9	63.9	60.4	57.2	53.7	
	20.7	42.3	52.9	58.9	61.1	61.5	60.1	57.0	52.4	48.4	
	14.6	37.5	50.3	54.8	57.9	58.8	57.0	54.7	49.6	44.8	
	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	
OVERALL CALCULATED		7.8	37.8	45.4	49.4	51.1	49.7	45.7	38.7	34.5	
PNDB	55.8	65.8	72.5	75.3	76.2	75.8	74.2	71.9	69.6	66.8	
	60.0	74.4	82.5	86.3	87.9	88.3	86.5	83.5	80.3	77.0	

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SIDELINE 200. FT. (60.96 M)	47.2	53.7	59.4	61.1	61.3	60.1	60.4	60.4	58.2	57.6	
	52.8	60.3	62.7	63.5	65.7	66.1	66.3	64.1	61.9	59.2	
	55.6	62.5	65.6	66.6	67.1	68.2	68.7	68.8	67.3	65.4	
	59.7	65.8	69.4	69.5	68.8	68.9	68.9	68.7	67.5	65.3	
	54.2	61.9	66.0	66.9	66.5	66.3	64.6	62.4	61.2	59.8	
	54.0	61.9	65.9	67.0	66.4	66.0	64.8	64.1	62.2	60.4	
	58.8	66.9	70.5	71.4	72.5	71.4	70.5	68.5	66.1	63.6	
	59.8	68.1	72.3	73.0	73.7	72.8	70.9	69.0	67.8	64.5	
	56.6	65.1	70.1	71.1	70.8	70.4	68.6	66.6	64.2	60.7	
	55.1	64.1	69.0	70.5	69.9	69.3	68.0	65.8	63.9	60.4	
	53.3	62.1	66.8	68.4	67.3	67.2	65.9	63.7	61.8	58.5	
	61.2	72.5	78.9	81.0	79.4	78.9	75.1	72.4	70.8	67.9	
	53.7	64.6	70.9	72.0	71.8	70.5	68.2	65.4	64.2	61.3	
	49.8	61.2	67.1	69.1	69.1	69.1	66.6	64.0	61.6	58.9	
	58.4	69.0	73.8	75.8	77.6	77.1	73.9	71.6	68.2	65.5	
	55.1	66.2	71.2	74.0	74.3	73.8	70.9	68.1	65.5	63.5	
	58.0	70.7	75.2	77.8	78.6	77.6	75.5	72.3	69.2	66.3	
	55.4	68.0	74.9	77.8	78.4	78.0	76.0	72.3	69.1	65.9	
	52.6	66.9	73.3	76.0	77.8	78.2	75.8	72.1	68.9	65.4	
	48.2	63.1	69.9	73.9	74.9	74.6	72.8	69.4	64.8	60.8	
	44.3	59.5	68.1	70.4	72.2	72.3	70.1	67.5	61.3	57.6	
	39.1	56.8	65.4	68.6	70.1	70.3	67.9	64.0	57.9	53.9	
	31.2	51.8	61.5	65.6	67.5	68.0	65.8	61.5	54.3	50.2	
OVERALL CALCULATED	21.0	45.5	57.2	62.0	64.2	64.2	62.3	57.9	49.8	46.1	
PNDB	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7	
	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3	

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Run 42/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.1

		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	(5. M)																	
VEHICLE	UTNSIM	125	78.8	78.3	77.0	75.6	81.1	74.3	73.3	72.8	72.9	73.4	72.3					108.4
CONFIG	HDHALL	160	78.1	76.5	75.5	77.6	79.6	75.5	74.0	73.0	72.9	70.9	70.8					108.0
LCC	SCHENECTADY	250	78.8	80.8	81.0	80.4	81.6	79.0	78.8	78.0	76.4	73.3	71.5					111.4
DATE	7/17/75	250	86.3	85.8	85.0	84.6	83.6	81.8	82.0	81.5	81.7	79.8	78.0					115.3
RUN	42/2	315	98.1	90.0	88.8	88.4	86.8	84.0	83.2	82.5	81.9	80.6	79.0					117.6
TAPE	400	400	86.3	86.0	85.8	86.1	85.1	83.5	81.5	79.3	75.9	75.4	74.0					115.0
BAR	30.0 HG	500	85.3	85.3	84.8	84.9	83.8	81.5	79.8	78.3	76.7	75.1	72.0					113.8
	(01212. N/H2)	630	90.1	90.0	89.6	89.7	88.3	86.8	85.3	83.1	80.5	78.6	76.1					116.0
TANE	83. DEG F	800	92.6	92.3	92.1	92.6	91.1	89.5	87.5	85.3	83.5	81.1	78.5					121.2
	(301. DEG K)	1000	90.6	90.3	90.3	90.9	89.6	87.8	85.5	82.6	81.2	79.1	75.8					119.3
T-ET	75. DEG F	1250	90.1	89.8	90.3	90.4	89.6	87.8	85.7	83.4	81.3	78.7	75.3					119.3
	(297. DEG K)	1600	88.1	87.6	87.3	87.7	87.6	84.8	82.7	79.6	77.8	76.0	73.3					116.8
HACT	19.17 GM/H3	2000	86.4	86.8	87.1	87.5	86.9	84.3	83.0	79.9	77.3	75.5	72.8					116.2
	(.01917 KG/M3)	2500	95.4	96.1	97.3	101.2	96.6	94.0	93.9	91.4	89.1	87.5	84.5					127.5
NFA	8293. RPM	3150	86.6	86.6	87.0	88.2	89.6	86.0	84.4	81.6	78.3	75.0	73.7					117.7
	(868. RAD/SEC)	4000	87.8	87.5	88.4	89.9	89.5	88.9	87.1	84.6	81.5	78.7	76.8					119.4
NFK	8108. RPM	5000	93.2	93.4	94.4	96.8	94.7	95.5	94.5	91.2	88.2	84.5	83.1					126.0
	(849. RAD/SEC)	6300	96.1	95.7	95.7	96.2	95.6	93.3	91.9	88.7	85.5	82.3	79.9					125.1
NFD	11517. RPM	8000	98.4	97.3	97.4	99.4	95.4	96.7	95.4	92.3	88.6	85.4	82.4					128.2
	(1208. RAD/SEC)	10000	94.6	96.4	96.8	98.8	98.2	98.1	96.1	93.5	89.6	86.1	82.6					128.6
NO. OF BLADES	18	12500	92.3	92.9	93.1	95.6	95.8	95.1	94.8	92.5	89.6	84.5	80.5					128.5
FAN TIP SPEED	16000	20000	89.7	90.2	90.2	93.0	93.7	92.9	91.0	88.3	85.6	78.8	75.7					123.0
	724. FT/SEC	25000	88.0	89.4	89.8	90.8	92.7	91.1	89.2	86.2	83.2	75.9	72.7					122.7
		31500	86.8	87.7	87.6	88.7	91.8	89.2	87.6	83.5	80.6	73.9	68.8					121.6
		40000	84.8	85.5	85.5	87.2	88.4	87.4	85.0	82.1	78.5	70.6	65.7					120.2
		50000	81.5	82.3	80.9	83.5	88.2	82.7	80.5	77.0	74.7	65.4	61.5					116.7
		63000	77.2	77.5	76.6	79.5	80.7	78.2	76.7	72.6	70.2	60.6	58.9					115.8
		80000	78.5	78.6	69.6	72.3	84.0	74.9	70.3	67.8	63.1	56.6	52.2					116.8
			70.4	70.1	68.8	71.4	79.7	75.0	70.9	70.4	61.2	58.3	61.1					118.1
OVERALL MEASURED																		
OVERALL CALCULATED			105.2	105.3	105.6	107.5	106.5	105.2	103.8	101.1	98.2	94.9	92.2					136.8
PNDR			117.0	117.2	117.8	120.3	117.8	116.2	115.0	112.3	109.8	107.9	105.1					

Run 42/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 HR. 14.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. WAVE)											
FREQ. (0.	ANGLES FROM INLET IN DEGREES (AND RADIAN)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
SIDELINE 500. FT.	50	39.0	45.7	52.1	56.7	54.4	54.1	53.9	54.2	52.3	51.8
(152.40 M)	63	42.6	50.7	54.5	58.4	57.7	58.6	58.7	57.5	54.8	52.7
NFA 2338. RPM	80	46.8	54.1	58.3	60.1	60.2	61.6	62.0	62.6	60.9	58.9
(152.40 M)	100	50.4	57.4	61.7	63.1	62.2	62.7	62.8	62.6	61.5	59.7
NFA 2338. RPM	125	45.7	53.9	59.1	61.0	61.4	60.7	59.3	57.5	56.0	54.6
(245. RAD/SEC)	160	44.1	52.3	57.4	59.4	59.1	58.7	58.1	57.0	55.6	53.1
NFA 2284. RPM	200	46.1	56.5	61.8	63.6	64.1	64.0	62.7	60.6	58.9	56.2
(239. RAD/SEC)	250	49.5	58.5	64.4	66.1	66.6	66.0	64.7	63.3	61.2	58.4
NFA 3244. RPM	315	46.6	56.1	62.2	64.2	64.6	63.7	61.7	60.9	59.0	55.5
(340. RAD/SEC)	400	45.1	55.4	61.2	63.8	64.2	63.7	62.3	60.7	58.3	54.7
AIRFLOW RATIO	500	41.8	51.8	58.0	61.5	60.9	60.6	58.5	57.0	55.3	52.5
WF/WH 12.60	630	49.2	61.0	71.0	70.1	69.8	71.3	69.8	68.0	66.6	63.4
VEHICLE	800	38.3	49.9	57.4	62.6	61.4	61.4	59.7	56.9	54.9	52.4
UTMSIM	1000	37.8	50.4	58.5	62.0	63.9	63.7	62.3	59.8	57.3	55.0
CONFIG	1250	42.0	55.3	64.7	68.7	70.1	70.8	68.6	66.2	62.7	61.1
LOC SCHENECTADY	1600	42.1	55.4	63.3	67.0	67.3	67.8	65.6	63.1	60.1	58.6
DATE 7/17/75	2000	41.3	55.9	65.5	69.1	70.2	70.8	68.8	65.8	62.8	59.8
RUN 42/2	2500	37.8	54.0	64.2	68.3	71.1	71.0	69.7	66.4	63.2	59.4
TAPE	3150	30.2	48.4	59.6	64.9	67.3	69.1	68.1	65.9	61.1	57.1
FAN TIP SPEED	4000	21.3	42.4	55.1	61.3	64.0	64.3	63.0	61.1	54.5	51.2
724. FT/SEC	5000	17.3	40.6	52.1	59.8	61.8	62.2	60.7	58.5	51.5	47.9
	6300	5.1	33.4	46.7	56.5	58.0	59.0	56.6	54.5	48.2	42.7
	8000		23.6	40.3	49.4	53.3	54.0	53.0	50.4	42.8	37.5
	10000		8.4	29.7	44.3	44.6	46.1	44.9	43.7	34.9	30.6
OVERALL CALCULATED		58.1	68.0	75.8	78.0	79.2	79.6	78.1	76.0	73.4	70.6
PNDB		62.6	76.6	86.0	90.0	91.9	92.1	90.7	88.3	84.6	81.1

SIDELINE 200. FT.	50	49.5	55.5	61.1	65.3	62.6	62.4	62.1	62.4	60.5	60.1
(60.96 M)	63	53.3	60.8	63.7	67.2	66.2	67.1	67.1	65.9	62.9	61.0
	80	57.8	64.5	67.3	69.1	68.9	70.2	70.5	71.0	69.3	67.4
	100	61.7	68.1	71.4	72.2	71.1	71.4	71.4	71.2	70.0	68.3
	125	57.2	64.9	69.0	70.4	70.5	69.6	68.1	66.2	64.7	63.3
	160	56.0	63.6	67.6	69.0	68.4	67.7	67.0	65.8	64.4	61.9
	200	60.3	68.1	72.2	73.4	73.5	73.1	71.7	69.5	67.8	65.1
	250	62.1	70.4	75.1	76.0	76.2	75.3	73.9	72.5	70.3	67.5
	315	59.6	68.4	73.1	74.4	74.3	73.2	71.1	70.1	68.2	64.7
	400	58.6	68.1	72.5	74.3	74.2	73.3	71.8	70.1	67.7	64.1
	500	55.8	64.8	69.6	72.1	71.1	70.5	68.2	66.5	64.9	62.0
	630	63.7	74.5	82.9	81.0	80.2	81.4	79.6	77.7	76.4	73.2
	800	53.5	63.9	69.6	73.8	72.0	71.7	69.7	66.9	64.8	62.3
	1000	53.7	65.0	71.1	73.5	74.6	74.2	72.6	70.0	67.4	65.1
	1250	58.9	70.5	77.8	78.5	81.3	81.5	79.1	76.6	73.0	71.4
	1600	60.1	71.3	76.9	79.3	78.9	78.8	76.4	73.8	70.7	67.2
	2000	60.7	72.6	79.7	81.9	82.1	82.2	79.9	76.8	73.8	70.6
	2500	58.8	71.5	78.9	81.5	83.4	82.8	81.1	77.7	74.4	70.7
	3150	53.8	67.2	75.3	78.8	80.2	81.4	80.0	77.6	72.7	68.8
	4000	48.8	63.3	72.1	76.3	77.8	77.3	75.6	73.5	68.8	63.6
	5000	47.0	62.5	69.9	75.3	76.1	75.7	73.7	71.3	64.2	60.7
	6300	41.5	58.8	66.9	73.9	73.8	73.9	70.9	68.5	62.0	56.7
	8000	33.5	54.1	64.0	69.6	71.4	70.8	69.1	66.1	58.5	53.3
	10000	22.2	46.1	58.3	68.3	65.9	65.8	63.6	62.0	53.0	48.9
OVERALL CALCULATED		71.7	81.8	88.4	90.0	90.7	90.7	88.9	86.5	83.5	80.6
PNDB		81.3	93.4	100.4	103.1	104.2	103.9	102.1	99.7	95.7	92.3

Run 42/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 30 HR. 14.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. PNL		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
50		(0. 10. 17.)	(0. 35)	(0. 52)	(0. 70)	(0. 87)	(1. 05)	(1. 22)	(1. 40)	(1. 57)	(1. 75)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)
63																		
80																		
RADIAL 17. FT. (5. M)		100	70.8	70.3	69.5	68.4	66.3	67.3	69.3	71.5	72.8	72.8	73.1					104.3
VEHICLE UTHSIM		125	79.8	79.5	78.0	76.6	76.8	75.3	73.8	74.0	74.0	73.8	73.3					108.3
CONFIG HDNALL		160	79.6	77.3	76.5	79.1	78.6	76.5	74.8	73.5	73.8	71.3	71.1					108.5
LOC SCHENECTADY		200	79.3	82.0	82.0	80.9	79.8	79.5	79.5	78.8	77.3	74.3	72.5					111.8
DATE 7/17/75		250	87.5	86.8	86.0	85.6	84.3	83.3	83.0	83.3	82.7	81.3	79.5					116.4
RUN 42/3		315	91.8	91.5	90.8	90.1	88.6	88.0	84.5	84.3	83.5	82.3	80.5					119.3
TAPE		400	88.8	88.8	88.0	88.4	87.3	86.0	83.8	82.1	79.8	78.1	76.5					117.4
BAR 30.0 HG		500	87.1	87.3	86.8	86.9	85.3	83.3	81.5	80.6	78.8	77.1	74.8					115.7
(01212. N/M2)		630	99.6	91.3	90.6	91.2	89.3	88.1	86.0	84.3	82.0	79.1	77.1					119.7
TAMB 83. DEG F		800	93.3	93.3	93.1	93.6	92.3	91.0	89.0	87.1	85.3	82.8	79.8					122.5
(301. DEG K)		1000	90.3	91.0	91.6	92.6	91.6	89.3	87.2	85.1	82.8	80.1	77.3					121.0
T-WET 75. DEG F		1250	91.9	92.3	92.1	92.2	91.4	89.8	87.5	85.1	82.8	81.1	78.1					121.1
(297. DEG K)		1600	91.6	90.8	89.6	89.7	87.9	86.8	84.5	81.4	79.4	77.9	75.3					118.3
HACT19.17 GM/H3		2000	86.6	88.1	88.1	87.2	86.1	85.3	83.2	80.9	77.9	76.2	74.0					116.5
(1.01917 KG/M3)		2500	95.6	95.6	96.5	96.5	93.6	94.5	94.9	91.4	89.1	86.5	83.8					126.0
NFA 9474. RPM		3150	97.3	97.3	99.0	98.7	95.3	96.2	97.2	94.6	91.6	89.2	86.0					126.3
(992. RAD/SEC)		4000	87.0	88.7	88.7	89.9	89.2	88.9	88.3	85.8	83.1	80.2	77.9					119.9
NFK 9262. RPM		5000	92.7	92.4	93.9	94.8	94.2	94.5	94.2	91.7	88.8	84.9	83.1					125.4
(976. RAD/SEC)		6300	95.4	98.0	96.4	97.5	96.8	96.8	96.9	94.7	91.9	87.7	85.7					129.1
NFD 11517. RPM		8000	96.7	97.1	97.9	99.4	98.2	97.7	96.9	94.3	91.2	87.1	84.4					126.6
(1206. RAD/SEC)		10000	95.3	96.6	96.3	98.3	98.0	97.4	96.1	93.5	90.9	86.8	83.8					128.4
NO. OF BLADES 18		12500	94.3	95.4	95.8	98.1	97.8	98.1	96.1	94.8	92.4	87.7	83.8					128.8
FAN TIP SPEED		16000	91.7	92.9	92.2	95.5	94.7	94.9	94.5	92.0	89.9	84.0	80.7					126.5
827. FT/SEC		20000	89.5	90.9	91.8	93.1	93.4	93.4	92.2	89.0	87.6	81.1	77.2					124.9
		25000	88.0	89.0	89.6	90.9	91.6	91.2	90.1	87.0	84.6	78.9	73.8					123.4
		31500	85.8	86.5	86.2	89.0	89.4	88.9	87.5	85.1	82.6	76.3	70.4					122.1
		40000	82.0	82.6	82.6	84.7	84.7	83.7	83.0	80.5	79.0	70.6	66.0					118.9
		50000	77.0	78.0	77.6	80.0	78.9	78.2	78.4	75.6	74.6	65.8	61.6					115.7
		63000	70.0	69.9	69.9	72.1	70.8	69.7	71.0	69.3	68.4	63.3	58.9					111.0
		80000	70.4	70.1	68.8	71.4	70.2	70.5	70.9	70.4	71.0	68.0	61.1					119.7
OVERALL MEASURED																		
OVERALL CALCULATED		106.1	106.5	107.0	108.0	106.9	106.7	106.0	103.6	101.3	97.4	94.8						138.2
PNL		118.9	119.1	119.9	120.1	117.9	118.0	118.0	115.6	112.9	110.3	107.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
50	39.8	46.7	53.6	59.7	65.4	70.8	75.4	79.4	83.1	86.5	89.7
63	43.9	51.7	58.0	63.7	68.9	73.8	78.4	82.5	86.2	89.6	92.8
SIDELINE 500. FT. (152.40 M)	47.8	55.1	60.3	65.1	69.7	74.2	78.4	82.2	85.7	89.1	92.4
100	51.9	59.4	63.5	67.8	72.2	76.4	80.2	83.7	87.0	90.2	93.4
NFA 2669. RPM (279. RAD/SEC)	48.4	56.1	61.4	66.3	70.9	75.4	79.4	83.1	86.5	89.7	92.8
125	46.1	54.3	59.4	63.9	68.4	72.8	76.8	80.4	83.8	87.1	90.3
NFK 2609. RPM (273. RAD/SEC)	49.3	57.5	63.3	68.6	73.1	77.4	81.2	84.7	88.0	91.2	94.4
250	50.5	59.5	65.4	70.3	74.8	79.1	82.9	86.4	89.7	92.9	96.1
NFD 3244. RPM (340. RAD/SEC)	47.3	57.3	63.0	68.2	72.6	76.8	80.6	84.1	87.4	90.6	93.8
400	47.6	57.2	63.0	68.6	73.0	77.2	80.9	84.4	87.7	90.9	94.1
AIRFLOW RATIO	45.1	54.0	60.0	65.7	70.9	75.4	79.4	83.1	86.5	89.7	92.8
WF/W 12.6C	48.7	60.2	66.3	71.1	75.6	79.8	83.5	86.9	90.2	93.4	96.6
800	49.0	61.9	67.9	72.3	76.5	80.2	83.7	87.0	90.2	93.4	96.6
VEHICLE UTMSIM 1000	39.0	50.7	58.5	64.8	70.8	76.4	81.2	85.7	89.6	93.4	97.1
CONFIG HDWALL 1250	41.0	54.8	62.7	68.2	73.1	77.6	81.6	85.2	88.6	91.9	95.2
LOC SCHEMECTADY 1600	42.3	56.2	64.5	70.0	74.8	79.4	83.1	86.5	89.7	92.8	95.9
DATE 7/17/75 2000	41.1	56.4	65.5	71.2	76.1	80.6	84.4	87.8	91.1	94.3	97.5
RUN 42/3 2500	38.0	53.5	63.7	69.0	73.8	78.4	82.5	86.2	89.6	92.8	96.0
TAPE 3150	32.7	50.9	62.1	66.9	71.3	75.4	79.1	82.5	85.7	88.9	92.1
FAN TIP SPEED 4000	24.1	44.4	57.6	62.3	66.0	69.8	73.4	76.8	80.1	83.3	86.5
827. FT/SEC 5000	18.8	42.6	54.4	60.5	64.0	67.5	70.8	74.0	77.1	80.2	83.3
6300	6.4	35.4	49.0	56.3	60.0	63.5	66.8	70.0	73.1	76.1	79.1
8000		24.3	42.1	50.4	54.8	58.5	61.6	64.6	67.5	70.3	73.1
10000		10.1	31.0	40.8	45.6	48.8	51.4	54.0	56.4	58.7	61.0
OVERALL CALCULATED	59.6	69.6	76.1	82.6	88.8	94.9	100.6	106.1	111.4	116.5	121.4
PNCB	63.7	77.8	86.5	93.3	99.1	104.7	110.1	115.2	120.1	124.8	129.4

50	50.2	56.5	62.6	64.3	63.8	63.1	62.6	63.3	60.9	60.6
63	54.5	61.8	64.2	65.5	66.7	67.8	67.8	66.7	63.9	62.0
SIDELINE 200. FT. (60.96 M)	58.8	65.5	68.8	69.8	70.4	71.2	72.2	72.1	70.8	68.9
100	63.2	70.1	73.2	74.0	73.1	72.6	73.2	72.8	71.7	69.8
125	60.0	67.1	71.3	72.6	73.0	71.8	70.9	69.0	67.4	65.8
160	56.0	65.6	69.6	70.5	70.1	69.5	69.3	67.9	66.4	63.9
200	61.6	69.1	73.7	74.4	74.6	73.9	73.0	71.1	68.3	66.1
250	63.1	71.4	76.1	77.3	77.7	76.8	75.7	74.3	72.0	68.8
315	60.3	69.8	74.9	76.4	75.8	74.9	73.6	71.7	69.1	66.2
400	61.1	69.9	74.2	76.0	76.2	75.1	73.5	71.7	70.1	66.9
500	59.0	67.1	71.6	72.4	73.1	72.0	69.7	68.1	66.8	64.0
630	63.2	73.8	78.1	78.0	80.7	82.4	79.6	77.8	75.3	72.4
800	64.2	75.9	80.1	79.5	82.2	84.4	82.7	80.2	78.0	74.5
1000	55.0	65.2	71.1	73.3	74.8	75.5	73.8	71.6	68.8	66.4
1250	57.9	70.0	75.8	78.0	80.3	81.3	79.6	77.1	73.4	71.4
1600	60.4	72.0	78.1	80.3	82.4	83.8	82.4	80.1	76.1	74.0
2000	60.5	73.1	79.7	81.6	83.1	83.7	81.9	79.4	75.5	72.6
2500	59.1	71.0	78.4	81.2	82.7	82.8	81.1	79.0	75.1	71.9
3150	56.3	69.7	77.5	80.8	83.2	82.6	82.3	80.4	75.9	71.8
4000	51.6	65.3	74.6	77.3	79.8	80.8	79.4	77.8	72.0	68.6
5000	48.5	64.5	72.2	76.1	78.3	78.7	76.5	75.6	69.4	65.2
6300	42.8	60.8	69.1	73.7	75.8	76.4	74.4	72.5	67.0	61.7
8000	34.5	54.8	65.7	70.6	72.9	73.3	72.1	70.2	64.2	58.0
10000	22.5	47.8	59.5	64.8	66.9	68.3	67.1	66.3	58.2	53.4
OVERALL CALCULATED	73.2	83.3	88.8	90.5	92.2	92.9	91.4	89.4	85.9	83.0
PNCB	82.4	94.2	101.1	103.7	105.6	105.6	104.6	102.8	98.6	95.0

ORIGINAL PAGE IS OF POOR QUALITY

Run 42/Reading 4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159 DEG. P. 70 PERCENT REL. HUM. DAY

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	39.9	46.7	53.4	55.5	55.4	54.8	55.4	55.3	53.7	54.1						
NFA 3004. RPM (314. RAD/SEC)	63	44.1	51.9	55.8	57.7	58.9	59.6	60.2	59.1	56.8	54.7						
NFK 2937. RPM (307. RAD/SEC)	80	48.8	56.1	60.6	61.6	62.9	63.9	64.2	64.9	63.3	61.2						
NFD 3244. RPM (340. RAD/SEC)	100	52.9	59.9	65.0	65.1	65.2	64.9	65.0	64.2	63.4	61.7						
AIRFLOW RATIO WF/WK 12.60	125	49.9	57.4	62.9	64.5	65.4	65.2	63.8	62.0	60.7	58.6						
VEHICLE CONFIG	160	46.9	56.1	61.2	61.7	62.6	62.9	62.4	61.3	59.8	57.6						
LGC SCHENECTADY	200	48.3	57.3	62.3	63.9	65.4	64.7	63.9	61.9	59.6	57.7						
DATE 7/17/75	250	49.7	59.0	65.1	67.3	68.4	68.0	67.0	64.9	63.4	60.4						
RUH 42/4	315	47.8	57.6	63.9	66.4	67.1	66.2	64.7	63.7	61.4	58.0						
TAPE	400	48.1	57.7	63.7	65.6	66.0	65.9	64.8	63.5	61.5	58.2						
FAN TIP SPEED	500	45.6	55.0	60.8	63.0	63.7	63.6	62.0	60.8	59.3	56.2						
PNDB	630	40.6	51.2	57.5	60.1	62.6	63.3	61.2	60.0	58.6	55.9						
	800	40.8	51.6	59.1	61.8	63.1	63.9	63.2	61.2	59.3	56.9						
	1000	52.3	65.0	72.8	74.8	76.2	78.3	77.8	76.4	74.0	71.3						
	1250	39.3	52.1	60.5	63.2	65.4	67.6	66.2	64.6	62.1	59.1						
	1600	37.3	51.5	60.0	62.9	65.2	66.2	65.6	63.8	60.9	58.3						
	2000	43.6	58.7	67.5	70.4	73.4	74.4	72.9	71.2	67.8	65.6						
	2500	35.9	52.8	61.1	65.1	66.8	67.5	67.3	64.9	62.1	59.1						
	3150	35.7	54.8	63.9	68.4	70.1	71.9	71.4	69.8	66.4	61.9						
	4000	26.4	48.8	60.6	66.6	68.8	70.8	68.9	69.1	64.9	60.7						
	5000	20.1	43.8	57.1	62.1	65.9	67.3	66.8	66.3	61.0	57.3						
	6300	9.2	38.0	52.0	58.8	62.8	64.2	64.1	63.6	59.0	54.5						
	8000		27.8	44.8	53.0	57.4	59.9	59.7	58.8	54.9	49.2						
	10000		13.8	35.9	45.8	51.2	53.7	53.8	53.5	49.7	42.9						
OVERALL CALCULATED		60.1	70.2	77.2	79.7	81.4	82.6	81.9	80.5	77.9	75.1						
PNDB		64.9	78.9	87.5	91.1	93.2	94.5	93.8	92.4	89.2	85.8						

	50	50.2	56.3	62.4	64.1	63.8	63.1	63.8	63.5	61.9	62.3						
SIDELINE 200. FT. (60.96 M)	63	54.8	62.0	65.0	66.5	67.5	68.1	68.6	67.4	65.1	63.0						
	80	59.8	66.3	70.1	70.6	71.6	72.5	72.7	73.4	71.8	69.6						
	100	64.2	70.6	74.7	74.2	74.1	73.6	73.7	72.8	72.0	70.3						
	125	61.5	58.4	72.8	73.9	74.5	74.1	72.6	70.7	69.4	67.3						
	160	58.8	67.4	71.4	71.3	71.9	72.0	71.3	70.2	68.6	66.4						
	200	60.6	68.9	72.7	73.6	74.8	73.9	73.0	70.9	68.5	66.6						
	250	62.4	70.9	75.8	77.3	77.9	77.3	76.2	74.0	72.5	69.5						
	315	60.8	69.9	74.9	76.6	76.8	75.7	74.1	73.0	70.6	67.2						
	400	61.6	70.4	75.0	76.0	75.9	75.8	74.3	72.9	70.9	67.6						
	500	59.5	68.1	72.3	73.6	73.8	73.5	71.7	70.4	68.8	65.8						
	630	55.2	64.8	69.4	71.0	72.9	73.4	71.1	69.8	68.3	65.7						
	800	56.0	65.8	71.4	73.0	73.8	74.2	73.2	71.2	69.2	66.8						
	1000	68.3	79.5	85.4	86.3	87.1	88.8	88.1	86.6	84.1	81.4						
	1250	56.1	67.3	73.6	75.1	76.8	78.3	76.7	74.9	72.4	69.5						
	1600	55.3	67.4	73.7	75.3	76.8	77.3	76.4	74.5	71.5	69.0						
	2000	63.0	75.5	81.8	83.2	85.4	85.9	84.0	82.2	78.7	76.8						
	2500	56.9	70.3	75.9	78.3	79.1	79.2	78.7	76.2	73.3	70.4						
	3150	59.3	73.6	79.6	82.3	83.0	84.2	83.3	81.5	78.1	73.6						
	4000	54.0	69.8	77.6	81.6	82.6	83.8	81.5	81.5	77.2	73.1						
	5000	49.8	65.8	74.9	77.7	80.2	80.8	79.8	79.1	73.8	70.1						
	6300	45.8	63.3	72.1	76.2	78.5	79.1	78.4	77.6	72.9	68.4						
	8000	34.0	58.3	68.5	73.1	75.5	76.7	75.8	74.6	70.6	65.0						
	10000	27.0	51.5	64.5	69.8	72.5	73.4	72.6	71.8	67.8	61.1						
OVERALL CALCULATED		73.9	84.3	90.1	91.8	93.0	93.9	92.8	91.3	88.3	85.4						
PNDB		83.3	96.0	102.2	104.7	105.8	106.8	105.5	104.0	100.7	97.0						

Run 42/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. RATE = MONTH 7 DAY 30 MR. 14.2

		MODEL SOUND PRESSURE LEVELS (90, DEG. F, 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	(0.	10.	10.	10.	10.	10.)
		50																	
	RACIAL 17. FT.	80																	
	(5. M)	100	71.6	71.5	70.3	68.9	66.8	67.5	69.8	71.8	73.3	73.8	73.3						104.9
VEHICLE	UTHSIM	125	79.8	79.8	78.3	76.9	76.8	75.5	74.0	74.8	75.3	74.6	74.3						108.8
CONFIG	MDHALL	160	79.3	77.5	76.5	78.9	78.3	77.0	75.0	74.8	74.5	73.1	73.1						108.9
LCC	SCHENECTADY	200	80.6	82.8	82.5	81.9	81.3	81.0	80.3	80.0	79.0	76.0	74.5						113.8
DATE	7/17/75	250	88.8	87.8	87.3	86.6	85.3	84.5	84.0	84.0	84.0	82.0	80.5						117.5
PUN	42/5	315	92.3	92.5	91.3	91.1	88.8	87.0	85.5	84.3	83.5	82.5	81.3						119.9
TAPE		400	90.6	90.3	90.3	90.1	89.1	88.0	86.5	84.1	82.3	81.1	78.8						119.5
GAP	30.0 HG	500	89.1	89.3	89.1	88.9	87.6	86.0	85.0	83.8	82.5	80.8	78.8						118.4
	(01212. N/M2)	630	91.1	91.3	90.8	90.4	89.8	88.6	87.3	85.3	83.3	80.6	78.6						120.1
TAMB	83. DEG F	800	92.8	92.5	92.6	93.1	92.1	91.5	89.2	87.6	85.3	82.8	80.3						122.4
	(301. DEG K)	1000	90.8	90.8	91.8	92.9	92.1	89.8	88.0	85.8	84.3	81.3	78.5						121.5
TRET	76. DEG F	1250	92.1	92.3	92.8	92.7	91.9	89.8	88.2	86.1	84.3	82.1	79.3						121.7
	(298. DEG K)	1600	91.1	90.3	89.6	91.0	89.4	88.0	85.7	83.4	81.9	79.7	77.3						119.4
HACT	20.16 GM/H3	2000	85.4	86.3	87.1	88.0	87.6	87.3	86.7	84.4	81.6	80.2	77.0						118.3
	(.02016 KG/M3)	2500	86.9	88.6	89.8	89.7	89.4	89.2	89.2	88.1	85.1	83.2	80.5						120.8
NFA	11246. RPM	3150	103.3	103.3	106.3	106.2	104.6	103.5	103.4	102.1	100.4	98.0	95.5						135.6
	(1177. RAD/SEC)	4000	94.8	94.7	97.2	97.9	96.2	95.4	95.1	93.6	92.1	89.2	86.6						127.4
NFK	10995. RPM	5000	89.0	90.4	90.9	91.8	91.4	91.3	90.0	88.7	86.5	83.4	81.1						122.3
	(1151. RAD/SEC)	6300	97.1	99.0	101.7	101.2	100.4	99.3	98.4	96.9	95.6	92.0	88.5						131.2
NFD	11517. RPM	8050	92.4	94.3	95.4	95.9	95.2	93.9	92.7	91.8	89.5	86.1	83.2						125.8
	(1206. RAD/SEC)	10000	96.6	98.1	99.3	100.8	99.5	98.8	97.3	95.3	93.7	90.6	86.8						130.3
NO. OF BLADES	18	12500	94.8	96.1	95.9	98.3	97.3	97.1	96.0	94.3	93.4	89.2	85.0						128.7
FAN TIP SPEED	16000	20000	92.4	93.2	93.2	96.5	95.4	95.2	93.7	92.0	90.4	86.4	82.7						128.0
	982. FT/SEC	25000	91.3	92.4	93.0	94.3	94.6	94.1	92.9	90.9	89.8	85.9	81.9						128.3
		31500	90.7	90.9	90.8	92.6	93.0	92.4	91.6	88.7	88.1	84.1	79.0						129.2
		40000	87.7	88.4	88.6	91.2	90.8	90.3	89.7	87.6	86.0	82.0	76.3						124.2
		50000	83.9	84.5	84.0	87.1	86.6	85.6	85.9	83.2	82.4	77.0	72.7						121.4
		63000	78.6	79.3	79.2	82.1	81.3	80.3	81.0	77.9	77.6	71.9	67.7						118.1
		80000	71.0	71.1	70.7	74.4	72.5	71.9	72.8	70.6	70.5	65.3	60.7						117.8
			70.1	69.7	68.5	71.1	69.8	70.2	70.6	70.1	70.7	67.7	60.7						115.4
OVERALL MEASURED																			
OVERALL CALCULATED			107.6	108.2	109.9	110.4	109.2	108.3	107.8	106.1	104.5	101.6	98.7						148.4
PNB			121.9	122.2	124.2	124.3	123.0	121.9	121.5	120.1	118.4	115.9	113.4						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39 DEG. F. 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. (0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
50	40.0	46.7	53.4	55.5	55.9	55.1	55.6	55.8	54.9	54.3
63	44.6	52.2	56.0	58.2	59.7	60.1	60.7	60.1	57.3	55.7
80	48.8	56.4	60.3	61.8	62.9	63.6	64.5	64.9	63.1	61.4
SIDELINE 500. FT. (192.40 M)	52.9	59.9	64.5	65.1	65.2	64.9	64.5	64.2	63.4	62.0
NFA 3168. RPM (332. RAD/SEC)	49.9	56.4	63.1	65.0	65.9	65.7	64.1	62.8	61.7	59.3
NFK 3097. RPM (324. RAD/SEC)	49.3	57.8	62.6	65.1	65.9	66.0	64.9	63.4	60.8	58.9
NFD 3244. RPM (340. RAD/SEC)	49.7	59.0	64.9	67.1	68.6	67.7	67.0	65.2	62.9	60.2
AIRFLOW RATIO NF/WH 12.60	47.6	57.9	63.5	66.1	66.6	66.2	65.0	64.0	61.2	58.2
VEHICLE CONFIG	44.6	54.0	61.3	63.2	64.2	63.4	62.0	63.8	61.7	58.7
UTMSIM 1060	39.4	50.7	57.7	61.1	63.1	64.1	62.7	60.5	59.0	55.5
HDWALL 1250	40.3	52.6	58.9	61.1	63.1	64.1	62.7	60.5	59.3	55.9
LCC SCHENECTADY 1600	53.5	68.2	74.8	77.1	78.5	80.1	80.2	83.7	82.0	79.1
DATE 7/17/75	43.3	58.1	65.8	68.2	69.9	71.3	70.9	70.1	67.4	64.6
RUN 42/5	36.8	50.5	58.8	62.7	65.2	65.7	65.6	64.1	61.1	58.6
TAPE	42.9	60.0	67.3	70.9	72.7	73.7	73.4	72.7	69.3	65.6
FAN TIP SPEED 982. FT/SEC	35.6	52.5	61.1	65.1	66.8	67.5	67.8	66.2	63.1	59.9
5000	35.2	54.3	64.6	68.4	70.9	71.4	70.6	69.8	66.9	62.9
6300	25.9	47.8	60.1	64.6	67.8	69.0	68.6	68.6	64.6	60.2
8000	20.6	43.5	57.3	62.1	65.4	66.3	66.0	65.3	61.5	57.5
10000	9.2	38.2	51.7	58.7	62.3	63.7	63.3	63.1	59.5	55.2
OVERALL CALCULATED	14.8	28.0	44.8	53.2	57.4	59.6	58.7	59.0	55.4	50.0
PNDB	60.4	71.7	78.2	80.8	82.3	83.4	83.0	82.0	79.5	76.7
	65.4	79.9	87.8	91.4	93.6	94.3	93.8	92.9	90.0	86.4

50	50.5	56.5	62.4	64.1	64.3	63.4	63.9	64.0	62.7	62.6
63	55.3	62.3	65.2	67.0	68.2	68.6	69.1	68.4	65.6	64.0
SIDELINE 200. FT. (60.96 M)	59.8	66.8	69.8	70.8	71.6	72.2	73.0	73.4	71.5	69.9
100	64.2	70.6	74.2	74.2	74.1	73.6	73.2	72.8	72.0	70.6
125	61.5	69.4	73.0	74.4	75.0	74.6	72.9	71.5	70.4	68.0
160	60.0	67.9	71.6	72.8	72.9	73.0	72.5	71.7	70.1	67.9
200	61.6	69.4	73.0	74.9	75.3	75.1	74.0	72.4	69.8	67.9
250	62.4	70.9	75.6	77.0	78.2	77.0	76.2	74.3	72.0	69.3
315	60.1	69.9	75.1	76.9	76.3	75.7	74.3	73.2	70.4	67.5
400	61.1	70.6	74.7	76.5	76.2	75.8	74.5	73.2	71.1	68.1
500	58.5	67.1	72.8	73.9	74.3	73.2	71.7	70.6	68.6	66.0
630	53.9	64.3	69.6	72.0	73.4	74.1	72.8	70.3	69.0	65.7
800	55.3	66.6	71.1	73.5	75.3	76.5	76.2	73.7	71.9	69.1
1000	69.5	82.7	87.4	88.6	89.3	90.6	90.1	88.8	86.8	83.9
1250	60.1	73.3	78.4	80.1	81.1	82.1	81.4	80.4	77.7	75.0
1600	54.8	66.4	72.4	75.0	76.8	76.8	76.4	74.7	71.7	69.2
2000	62.3	76.7	81.5	83.7	82.6	85.1	84.5	83.7	80.2	76.5
2500	56.7	70.0	75.9	78.3	79.1	79.2	79.2	77.4	74.3	71.1
3150	58.8	73.1	80.3	82.3	83.8	83.7	82.5	81.5	78.6	74.6
4000	54.4	68.6	77.1	79.6	81.6	82.1	81.3	81.0	77.0	72.6
5000	50.3	65.5	75.1	77.6	79.7	79.8	79.4	78.0	74.2	70.3
6300	45.6	63.5	71.9	76.1	78.1	78.5	77.6	77.1	73.3	69.2
8000	38.0	58.5	68.5	73.3	75.5	76.5	74.8	74.8	71.0	65.7
10000	26.9	52.5	64.6	69.5	72.2	73.6	72.8	72.0	68.2	62.3
OVERALL CALCULATED	74.3	85.9	91.3	92.7	93.7	94.4	93.7	92.6	89.9	87.0
PNDB	83.1	96.4	102.7	104.9	106.2	106.4	105.4	104.4	101.4	97.8

Run 42/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.2

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENTY REL. HUM. DAV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.														PWL		
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)		(0.)	(0.)
	50																	
	63																	
RADIAL 17. FT.	80																	
(5. M)	100	71.6	70.5	69.8	71.1	66.6	66.8	69.3	71.5	73.0	73.1	73.3						104.6
VEHICLE UTMSIM	125	79.3	79.0	77.5	76.6	76.3	75.0	73.8	74.0	74.5	74.6	74.3						106.3
CONFG HDWALL	160	78.8	77.3	76.8	76.6	78.3	76.3	74.5	74.3	74.3	73.1	74.1						108.8
LGC SCMEJECTADY	200	80.1	82.3	82.3	81.6	80.3	80.5	80.0	79.8	78.5	75.3	74.0						108.8
DATE 7/17/75	250	84.3	87.3	86.8	86.4	85.1	84.3	83.7	83.8	83.2	81.3	79.8						112.5
RUN 42/6	315	92.1	92.8	91.5	91.1	88.8	86.8	85.2	84.3	84.0	83.0	81.3						117.1
TAPE	400	91.1	90.8	89.8	90.4	89.8	88.3	86.8	84.8	83.0	81.3	79.0						120.8
BAR 30.0 HG	500	88.6	88.8	89.1	89.6	87.6	85.8	84.8	83.8	82.8	80.3	78.8						119.7
(01212. H/H2)	630	89.6	90.0	90.3	89.9	89.1	88.1	86.3	84.1	82.0	79.8	77.8						116.3
TAMB 82. DEG F	800	91.6	91.5	91.6	92.6	91.8	90.0	88.5	86.6	84.8	82.3	79.3						119.3
(301. DEG K)	1000	90.3	90.0	90.6	92.1	90.8	89.5	87.7	85.3	83.5	81.1	78.8						121.6
TRET 75. DEG F	1250	91.1	91.3	91.6	91.9	89.8	89.0	87.2	85.6	83.8	81.6	78.3						120.8
(297. DEG K)	1600	89.1	88.6	89.3	90.2	88.9	87.3	86.2	83.9	82.6	80.4	78.0						120.7
HACT19.48 GM/H3	2000	85.4	85.8	86.8	88.2	86.9	85.0	85.0	82.9	81.9	79.7	76.8						119.1
(.01948 KG/H3)	2500	87.1	88.1	88.3	90.0	89.4	88.2	86.7	84.9	82.9	80.2	78.3						117.3
NFA 11670. RPM	3150	98.8	101.6	100.3	102.9	102.6	104.2	101.7	101.9	101.1	98.5	97.0						119.4
(1222. RAD/SEC)	4000	97.0	100.2	98.7	101.1	101.0	102.1	100.1	100.3	99.1	97.2	95.1						134.7
NFK 11420. RPM	5000	88.5	88.9	90.4	91.1	90.7	90.0	89.5	89.0	86.5	83.9	81.3						133.0
(1196. RAD/SEC)	6300	95.6	96.7	98.9	98.5	98.1	98.0	96.2	95.2	92.9	90.2	87.9						121.8
NFD 11517. RPM	8000	94.4	95.1	97.4	96.9	96.4	95.9	94.4	93.8	90.7	88.1	85.4						129.0
(1206. RAD/SEC)	10000	96.8	97.1	97.8	98.8	98.5	98.1	96.8	95.0	93.4	90.6	87.1						127.4
NO. OF GLACES 18	12500	94.3	94.4	94.6	96.3	96.0	95.1	94.3	92.0	90.9	87.2	83.3						120.4
FAN TIP SPEED	16000	92.9	93.4	92.9	96.9	94.4	94.2	92.9	91.0	89.2	85.7	81.7						126.0
1019. FT/SEC	20000	92.0	92.9	92.8	93.8	93.9	93.6	91.9	89.9	88.6	84.6	81.2						126.0
	25000	90.2	90.9	90.1	91.9	92.3	91.4	90.6	88.3	86.9	83.4	78.3						125.5
	31500	87.8	88.5	88.2	90.5	90.3	89.9	88.7	86.6	85.3	81.3	76.4						124.4
	40000	83.5	84.3	83.6	86.2	85.9	85.4	84.2	82.2	81.9	76.8	73.0						123.5
	50000	78.6	79.4	78.8	81.4	80.6	79.6	80.4	77.2	77.2	71.0	67.8						120.6
	63000	79.4	71.0	70.3	73.7	72.1	71.0	71.9	70.0	70.1	64.9	61.3						117.5
	80000	76.2	69.9	68.6	71.3	70.0	70.3	70.7	70.2	70.8	67.8	60.9						112.2
OVERALL MEASURED																		115.9
OVERALL CALCULATED		106.4	107.7	107.6	109.0	108.6	108.9	107.1	106.5	105.2	102.7	100.5						
PWB		119.4	121.2	120.7	122.5	121.9	122.6	120.5	120.2	119.1	116.6	114.8						140.1

Table with multiple columns and rows, containing various numerical data and labels. The text is significantly blurred and difficult to read.

Distance	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10
50	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
63	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
80	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
SIDELINE 200. FT.										
(60.96 M)										
100	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
125	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
160	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
200	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
250	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
312	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
400	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
630	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
800	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1250	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1750	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
3000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
3500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
4000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
5000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
6000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
7000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
8000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
9000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
10000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
OVERALL CALCULATION										

4119

Run 42/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 MR. 1973

		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DRY)																					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.					
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl		(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)
	50																						
	63																						
	80																						
RADIAL 17. FT.	100	71.1	70.8	69.3	68.1	65.8	66.8	69.0	71.0	72.3	73.1	72.5						194.0					
(S. H)	125	70.8	79.3	77.5	76.1	75.8	74.8	73.5	74.0	74.3	74.1	73.5						108.0					
VEHICLE UTMSIM	160	78.6	77.0	76.0	74.1	78.1	76.0	74.8	74.5	74.5	73.3	73.0						108.0					
CONFIG HDWALL	200	80.6	83.0	82.3	81.4	80.6	81.0	79.5	79.8	78.8	75.8	74.5						112.7					
LGC SCHENECTADY	250	88.3	87.3	87.0	86.4	85.1	84.3	83.5	83.3	83.2	81.5	79.5						117.0					
DATE 7/17/75	315	91.6	92.0	90.8	90.4	88.1	86.0	84.7	84.0	83.5	82.0	80.3						110.3					
RUN 42/7	400	92.3	90.5	89.0	89.6	88.6	88.0	86.5	85.1	82.5	81.1	78.5						119.3					
TAPE	500	88.8	88.8	89.3	89.1	87.6	85.8	85.0	83.3	82.0	80.1	78.0						118.2					
BAR 30.0 HG	630	89.6	89.8	89.1	89.9	88.6	88.1	86.3	84.3	81.8	79.6	77.8						119.1					
(01212. N/M2)	800	91.3	91.3	91.8	92.4	92.1	90.0	88.7	86.8	85.0	82.6	79.5						121.7					
TAMB 82. DEG F	1000	91.1	90.0	89.8	91.1	90.6	89.3	87.5	85.8	83.8	81.1	78.3						120.4					
(301. DEG K)	1250	90.3	91.3	91.8	91.2	89.8	88.8	87.5	85.6	83.6	82.1	78.5						120.0					
TMET 75. DEG F	1500	89.6	88.6	88.6	90.0	88.6	87.0	86.5	84.6	82.9	81.4	77.0						119.1					
(297. DEG K)	2000	85.6	85.8	86.6	87.7	86.6	86.0	85.5	84.1	82.6	81.2	77.5						117.7					
HACT19.48 GH/H3	2500	85.9	87.6	87.8	90.0	88.9	87.5	87.2	85.1	83.4	80.7	78.7						119.3					
(.01948 KG/H3)	3150	97.3	100.3	99.8	100.9	101.6	101.7	104.4	102.9	100.9	96.7	95.7						134.4					
NFA 11783. RPM	4000	97.3	100.7	100.7	101.6	101.7	102.1	104.8	103.3	101.6	97.7	96.4						135.0					
(1234. RAD/SEC)	5000	88.5	89.7	90.1	92.1	90.7	90.5	89.7	88.2	86.3	83.7	81.1						121.9					
NFK 11530. RPM	6300	94.6	95.7	96.4	97.2	95.4	97.0	95.4	93.9	92.4	89.9	86.5						127.0					
(1207. RAD/SEC)	8000	95.2	95.8	96.4	97.4	96.7	96.7	95.7	93.8	92.2	89.4	85.9						127.0					
NFD 11517. RPM	10000	96.6	97.6	97.5	98.8	98.5	97.6	96.1	94.3	92.9	90.1	85.8						129.0					
(1206. RAD/SEC)	12500	94.0	94.6	94.8	96.6	95.3	95.1	93.5	92.0	90.4	87.2	82.8						126.0					
NO. OF BLADES 18	16000	92.9	93.4	93.4	95.7	94.7	94.4	92.9	90.8	89.7	85.9	81.7						120.1					
FAN TIP SPEED	20000	91.8	92.2	92.0	93.6	93.7	92.6	91.7	89.4	89.1	84.9	80.6						129.2					
1029. FT/SEC	25000	90.2	90.7	90.1	92.2	92.3	91.2	90.1	88.3	86.9	83.1	77.8						124.2					
	31500	87.8	88.7	87.9	90.5	90.6	89.9	87.7	86.3	85.0	81.1	76.1						123.4					
	40000	83.5	84.3	83.6	86.2	85.9	84.6	84.2	81.7	81.4	76.6	72.5						120.3					
	50000	78.6	79.2	78.3	81.7	80.1	79.1	79.6	76.2	77.0	71.2	68.5						117.1					
	63000	79.7	70.7	70.5	73.7	71.9	70.8	71.9	70.0	69.6	64.6	66.3						112.2					
	80000	70.2	69.9	68.6	71.3	70.0	70.3	70.7	70.2	70.8	67.8	70.6						110.1					
	OVERALL MEASURED																						
	OVERALL CALCULATED	106.1	107.5	107.4	108.6	108.3	108.1	109.2	107.6	105.9	102.2	100.4						140.4					
	PND	118.6	120.8	120.7	121.6	121.4	121.3	122.7	121.2	119.5	116.1	114.4											

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.0 DB, Pz 70 PERCENT REL. HUM. WIND)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ.	(D.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)
SIDELINE 500. FT.	50	39.5	46.2	52.6	55.2	54.9	54.8	55.4	55.2	54.7	55.1							
(152.40 M)	63	44.9	51.9	55.5	57.4	59.7	59.4	60.4	59.9	57.0	55.6							
NFA 3319. RPM	80	48.3	56.1	60.1	61.6	62.7	63.1	63.7	64.1	62.6	60.4							
(347. RAD/SEC)	100	52.4	59.4	63.7	64.3	64.2	64.2	64.3	64.2	62.9	61.0							
NFA 3240. RPM	125	50.2	57.1	62.6	64.5	65.9	65.7	65.1	63.0	61.7	59.1							
(340. RAD/SEC)	160	47.6	56.8	61.7	63.2	63.4	63.9	63.1	62.3	60.5	58.3							
NFD 3244. RPM	200	47.8	56.0	62.1	63.9	65.4	65.0	63.9	61.9	59.8	57.9							
(340. RAD/SEC)	250	48.5	58.2	64.1	67.0	67.1	67.2	66.2	64.9	62.6	59.4							
NFD 3244. RPM	315	46.3	55.6	62.4	65.2	66.1	65.7	64.7	63.5	60.9	57.9							
(340. RAD/SEC)	400	46.6	56.9	62.0	64.1	65.2	65.4	64.5	63.0	61.7	58.0							
AIRFLOW RATIO	500	42.8	53.0	60.3	62.5	63.2	64.1	63.3	62.0	60.8	56.2							
NF/WM 12.60	630	38.9	50.2	57.5	60.3	61.8	62.8	62.5	61.5	60.3	56.4							
	800	39.3	50.6	59.1	61.8	62.9	64.2	63.2	62.0	59.5	57.1							
VEHICLE UTMSIM	1030	50.5	61.7	69.5	74.1	76.7	81.1	80.6	79.2	75.2	74.0							
CONFIG HDWALL	1250	49.3	61.6	69.5	73.7	76.7	81.1	80.7	79.6	75.9	74.4							
LCC SCHENECTADY	1630	36.0	49.8	59.0	61.9	64.5	65.5	65.1	63.8	61.4	58.6							
DATE 7/17/75	2000	39.6	54.7	63.3	66.9	70.4	70.7	70.4	69.4	66.3	63.5							
RUN 42/7	2500	37.1	53.5	62.6	66.6	69.6	70.5	69.8	68.9	66.3	62.6							
TAPE	3150	34.7	52.5	62.6	67.4	69.6	70.2	69.6	69.0	66.4	61.7							
FAIR TIP SPEED	4000	25.4	46.6	58.4	62.5	65.8	66.5	66.4	65.6	62.6	57.9							
1029. FT/SEC	5000	20.8	42.8	56.5	61.3	64.7	65.5	64.8	64.5	61.0	56.5							
	6300	9.3	37.2	51.0	57.8	60.8	62.5	61.9	62.4	58.5	54.0							
	8000		27.3	44.3	52.4	56.1	58.1	58.2	57.8	54.4	48.7							
	10000		14.0	35.3	45.3	50.4	51.9	52.8	52.7	49.2	43.8							
OVERALL CALCULATED		59.6	69.4	76.3	79.9	82.2	85.3	84.8	83.7	80.3	78.4							
PNCB		64.2	77.3	86.4	90.6	92.9	94.7	94.3	93.3	90.1	87.5							

SIDELINE 200. FT.	50	50.0	56.0	61.6	63.8	63.3	63.1	63.6	64.0	62.9	63.3							
(60.96 M)	63	55.5	62.0	64.7	66.2	66.2	67.8	68.8	68.2	65.4	64.0							
	80	59.3	66.5	69.6	70.6	71.4	71.7	72.2	72.6	71.0	68.9							
	100	63.7	70.1	73.4	73.5	73.1	72.9	72.9	72.8	71.5	69.8							
	125	61.7	68.1	72.5	73.9	75.0	74.6	73.9	71.7	70.4	67.6							
	160	59.5	68.1	71.9	72.8	72.6	73.0	72.0	71.2	69.4	67.2							
	200	60.1	67.8	72.5	73.6	74.8	74.1	73.0	70.9	68.8	66.9							
	250	61.1	70.1	74.8	77.0	76.7	76.5	75.4	74.0	71.7	68.5							
	315	59.3	67.9	73.4	75.4	75.8	75.2	74.1	72.7	70.1	67.2							
	400	60.1	69.6	73.2	74.5	75.2	75.1	74.0	72.4	71.1	67.4							
	500	56.8	66.1	71.8	73.1	73.3	74.0	72.9	71.6	70.3	65.8							
	630	53.4	63.8	69.4	71.0	72.2	72.9	72.3	71.3	70.0	66.2							
	800	54.5	64.6	71.4	73.0	73.5	74.5	73.2	71.9	69.4	67.1							
	1000	66.5	76.2	82.1	85.6	87.6	91.6	90.8	89.3	85.3	84.2							
	1250	66.1	76.8	82.6	85.6	87.8	91.8	91.2	89.9	86.2	84.7							
	1600	54.1	65.7	72.7	74.2	76.0	78.6	75.9	74.5	72.0	69.2							
	2000	59.0	71.5	77.5	79.7	82.4	82.1	81.5	80.4	77.2	74.5							
	2500	58.2	71.0	77.4	79.8	81.9	82.2	81.2	80.2	77.5	73.9							
	3150	58.3	71.4	78.3	81.3	82.5	82.4	81.5	80.7	78.1	73.4							
	4000	52.9	67.4	75.4	77.6	79.6	79.6	79.0	78.0	75.0	70.3							
	5000	50.6	64.8	74.4	76.9	79.0	79.0	77.8	77.3	73.7	69.3							
	6300	45.4	62.5	71.1	75.1	76.6	77.3	76.1	76.3	72.3	67.9							
	8000	37.7	57.8	68.0	72.6	74.2	75.0	74.3	73.6	70.0	64.5							
	10000	27.2	51.8	63.9	69.2	71.7	71.7	71.6	71.0	67.2	62.1							
OVERALL CALCULATED		73.5	83.3	89.1	91.8	93.6	96.1	95.4	94.1	90.7	88.7							
PNCB		82.4	94.4	101.1	104.0	106.5	108.5	107.5	106.5	103.1	100.7							

Run 42/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.3

MODEL SOUND PRESSURE LEVELS (99. DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
	FREQ. (0.	0.17)	0.35)	0.52)	0.70)	0.87)	1.05)	1.22)	1.40)	1.57)	1.75)	0.	0.	0.	0.	0.	0.	PWL
		(0.	10.)	20.)	30.)	40.)	50.)	60.)	70.)	80.)	90.)	100.)	(0.	10.)	20.)	30.)	40.)	PWL
	50																	
	53																	
RADIAL	17. FT.																	
	(5. M)																	
VEHICLE	UTHSIM	125	68.8	68.5	67.5	66.4	64.6	65.5	67.0	69.3	70.3	71.1	70.8					102.2
CONFIG	MDWALL	160	77.3	75.8	75.0	76.6	76.3	74.5	73.0	73.5	73.0	72.6	73.3					106.9
LOC	SCHENECTADY	200	81.6	84.8	84.8	83.4	82.3	82.8	80.0	80.0	78.0	76.8	73.8					107.3
DATE	7/17/75	250	87.3	86.3	86.0	85.1	84.1	82.8	82.2	82.3	82.0	80.3	78.6					113.8
RDP	42/8	315	91.1	91.5	90.3	89.6	87.6	85.5	84.0	83.8	83.0	82.0	80.3					115.8
TAPE		400	92.8	93.0	92.3	92.6	91.8	90.0	88.5	85.6	84.3	82.8	80.3					118.6
EAR	36.0 HG	500	90.1	89.8	89.6	89.4	87.8	85.5	84.5	83.1	81.8	79.3	77.0					121.7
	(0.1212 N/M2)	630	91.3	92.0	92.1	91.9	90.3	89.6	87.8	85.3	82.8	80.8	79.5					118.2
TAMB	83. DEG F	800	92.1	91.5	92.3	93.6	93.3	92.0	90.2	88.1	85.8	83.1	80.5					120.9
	(301. DEG K)	1000	90.3	89.8	89.6	92.4	92.1	91.3	88.7	86.8	84.8	83.1	79.8					123.0
T-ET	75. DEG F	1250	88.6	90.1	91.6	92.2	91.9	91.5	90.7	88.9	87.1	84.9	81.0					121.7
	(297. DEG K)	1600	87.1	87.6	88.6	90.2	90.9	91.0	90.7	88.1	85.9	85.7	81.8					122.6
HACT	19.17 GM/M3	2000	85.6	86.8	88.3	89.0	90.6	92.8	92.7	91.4	89.9	88.7	84.3					121.9
	(.01917 KG/M3)	2500	87.9	88.8	89.3	90.7	89.4	89.0	88.4	87.1	85.1	82.5	80.3					123.0
NFA	12191. RPM	3150	94.6	95.3	96.5	99.7	100.8	101.2	98.4	95.4	93.4	91.0	88.5					120.6
	(1276. RAD/SEC)	4000	99.3	101.2	105.2	106.6	108.2	108.6	105.3	102.1	100.1	97.7	95.6					130.6
NFK	11918. RPM	5000	90.0	90.9	91.6	92.8	92.2	92.8	91.5	90.2	87.8	85.2	82.8					137.7
	(1248. RAD/SEC)	6300	94.1	94.2	94.4	95.5	94.1	94.5	93.4	92.4	90.4	87.5	84.3					125.5
NFD	11517. RPM	8000	97.9	98.3	97.9	99.1	98.2	98.2	97.2	96.5	95.0	92.1	88.7					125.8
	(1206. RAD/SEC)	10000	95.3	96.1	96.5	97.8	97.2	96.4	95.8	94.3	92.4	89.8	85.8					129.8
NO. OF BLADES	18	12500	94.8	95.4	94.6	96.6	96.3	95.3	94.1	93.3	91.4	88.0	84.3					129.3
FAN TIP SPEED	16000	20000	93.7	93.9	92.9	95.7	94.4	93.9	93.2	91.5	90.7	86.2	82.9					127.2
	1064. FT/SEC	25000	92.3	92.7	92.5	93.6	93.4	93.4	91.9	89.7	89.3	85.1	81.2					126.2
		31500	90.5	90.7	90.1	91.2	91.6	91.2	90.4	87.8	86.9	83.4	78.8					129.4
		40000	87.8	88.8	87.2	90.0	90.1	88.9	87.3	86.4	85.3	80.8	76.4					124.0
		50000	83.5	84.6	82.9	85.7	85.5	84.7	83.8	81.5	81.2	76.6	72.8					120.0
		63000	78.5	79.0	78.1	80.8	79.7	79.5	79.4	76.3	76.6	70.8	68.6					120.1
		80000	70.8	70.4	69.9	73.1	71.8	70.9	72.0	70.1	69.2	65.0	66.4					118.8
			70.4	70.1	68.8	71.4	70.2	70.5	70.9	70.4	71.0	68.0	70.8					112.1
	OVERALL MEASURED																	110.3
	OVERALL CALCULATED	106.5	107.3	108.8	110.1	110.8	110.9	108.5	106.1	104.4	101.8	99.1						
	PND9	119.6	120.8	123.3	124.5	125.4	125.6	123.0	120.4	118.6	116.3	113.9						141.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
SIDELINE 500. FT.	38.3	45.2	51.1	53.5	53.4	53.1	54.4	54.3	54.0	54.6	
(152.40 M)	46.5	54.4	57.5	59.2	61.4	59.9	60.7	59.1	58.0	54.9	
NFA 3434. RPM	47.3	55.1	58.8	60.6	61.2	61.0	62.7	62.9	61.3	59.7	
(360. RAD/SEC)	51.9	58.9	63.0	63.8	63.7	63.4	64.0	63.7	62.9	61.0	
NFK 3357. RPM	52.7	60.4	65.6	67.8	67.9	67.7	65.6	64.8	63.5	60.6	
(351. RAD/SEC)	48.6	57.1	61.9	63.4	63.1	63.4	62.9	62.1	59.8	57.3	
NFD 3244. RPM	50.1	59.0	64.1	65.6	66.9	66.5	64.9	62.9	61.1	59.6	
(340. RAD/SEC)	46.1	55.3	63.7	66.7	68.1	67.0	66.0	64.5	62.9	59.4	
AIRFLOW RATIO	45.3	56.7	63.0	66.1	68.0	68.7	67.8	66.5	64.5	60.5	
WF/WP 12.60	41.8	53.0	60.5	64.7	67.2	68.4	66.8	66.0	65.0	61.0	
VEHICLE UTWSIM	39.9	52.0	58.7	64.1	68.6	70.1	69.7	68.8	67.8	63.2	
CONFIG HGWALL	47.9	61.4	68.9	73.8	76.6	75.4	73.4	72.0	69.8	67.1	
LOC SCHEMECTADY	51.5	67.2	75.2	80.8	83.6	82.0	79.8	78.4	76.2	74.0	
DATE 7/17/75	39.5	52.6	60.7	64.2	67.4	67.8	67.6	65.8	63.4	60.8	
RUN 42/8	40.6	54.2	62.5	65.5	68.6	69.3	69.4	67.9	65.3	62.0	
TAPE	42.3	56.4	65.3	68.8	71.7	72.5	73.0	72.1	69.5	65.8	
FAN TIP SPEED	37.5	53.7	63.2	67.3	69.4	70.8	70.4	69.3	66.9	62.7	
1064. FT/SEC	32.7	49.9	60.6	65.4	67.6	68.3	68.9	67.7	64.5	60.6	
6300	25.1	45.2	57.9	62.1	65.0	66.5	66.2	66.2	61.9	58.4	
8000	20.5	43.3	54.9	60.5	64.0	64.9	64.2	64.6	60.7	56.4	
10000	8.1	35.9	49.2	56.3	60.0	61.8	60.8	60.8	57.6	52.7	
OVERALL CALCULATED	25.3	43.1	51.2	54.8	56.2	57.2	57.2	57.2	53.0	48.3	
PNDB	10.4	32.0	41.6	46.6	49.3	49.4	50.3	46.1	41.8		
	60.1	71.3	78.6	83.2	85.8	84.9	83.5	82.3	80.1	77.2	
	64.6	79.1	87.6	92.3	94.9	94.6	93.8	92.9	90.3	86.8	
SIDELINE 200. FT.	48.7	55.0	60.1	62.1	61.8	61.4	62.6	62.5	62.2	62.8	
(60.96 M)	57.3	64.5	66.7	68.0	70.0	68.3	69.1	67.4	66.4	63.2	
100	58.3	65.5	68.3	69.6	69.9	70.5	71.2	71.4	69.8	68.1	
125	63.2	69.6	72.7	73.0	72.6	72.1	72.7	72.3	71.5	69.6	
160	64.2	71.4	75.5	77.1	77.0	76.6	74.4	73.5	72.2	69.3	
200	60.5	68.4	72.1	73.0	72.4	72.5	71.8	70.9	68.6	66.2	
250	62.3	70.6	74.5	75.4	76.3	75.6	74.0	71.9	70.0	68.6	
315	61.4	70.6	76.1	78.3	78.7	78.0	76.7	74.8	72.2	69.5	
400	59.1	67.6	74.6	76.9	77.8	76.4	75.3	73.7	72.1	68.7	
500	58.8	69.4	74.2	76.5	77.9	78.3	77.3	75.9	73.9	69.9	
630	55.8	66.1	72.1	75.4	77.3	78.2	76.4	75.6	74.6	70.5	
800	54.4	65.5	70.6	75.0	78.9	80.1	79.6	78.5	77.5	72.9	
1000	62.2	75.4	81.1	85.0	87.2	85.7	83.5	82.0	79.7	77.0	
1250	67.5	81.7	87.9	92.3	94.5	92.5	90.1	88.6	86.3	84.1	
1600	56.4	67.7	73.8	78.0	78.5	78.5	78.1	76.1	73.7	71.2	
2000	58.6	70.0	76.1	77.8	80.1	80.3	80.2	78.6	75.9	72.7	
2500	61.7	73.1	79.5	81.6	83.6	83.9	84.2	83.1	80.5	76.8	
3150	58.6	71.3	77.9	80.5	81.7	82.5	81.9	80.5	78.1	73.9	
4000	56.3	68.7	76.3	79.3	80.5	80.6	80.8	79.4	76.2	72.3	
5000	52.6	66.0	74.9	77.1	78.8	79.6	78.9	78.6	74.3	70.8	
6300	50.3	65.3	72.7	76.1	78.3	78.5	77.2	77.4	73.4	69.2	
8000	44.5	61.3	69.4	73.7	75.6	76.6	75.1	74.8	71.5	66.7	
10000	36.7	55.8	66.7	71.3	72.9	73.1	73.4	72.9	68.7	64.0	
OVERALL CALCULATED	24.5	48.1	60.5	65.5	67.9	69.1	68.1	68.6	64.2	60.1	
PNDB	73.8	85.2	91.1	94.7	96.7	95.5	94.0	92.7	90.3	87.4	
	82.7	94.8	101.2	104.7	106.6	105.8	105.1	104.0	101.3	97.8	

ORIGINAL PAGE IS OF POOR QUALITY

Run 43/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 14.9															
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. ENV.)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50																	
63																	
RADIAL 17. FT.																	
(5. MI)	100	89.0	86.1	82.6	83.8	86.3	86.3	89.3	90.1	89.3	89.1						121.8
VEHICLE UTMSIM	125	96.0	95.4	94.8	93.8	92.8	94.0	94.5	94.6	94.3	96.1						126.2
CONFIG A+3	160	91.8	93.6	95.3	94.8	92.5	92.3	92.5	91.6	90.5	91.3						126.3
LOC SCHENECTADY	200	91.0	90.6	91.1	92.0	93.5	93.5	92.0	89.3	87.5	86.6						124.8
DATE 7/22/75	250	96.3	95.6	93.1	92.0	92.5	94.0	94.0	93.3	91.8	89.8						126.8
RUN 43/4	315	94.3	95.9	94.1	92.0	90.0	90.8	91.5	91.0	89.5	89.6						125.4
TAPE	400	86.5	88.1	89.6	89.3	87.5	85.8	84.5	83.8	82.5	81.6						110.9
BAR 29.7 HG	500	83.1	85.9	84.8	83.3	82.3	81.3	80.5	79.6	77.8	76.3						115.4
(00228. N/M2)	630	83.8	87.2	86.6	86.1	84.5	83.3	81.3	79.3	77.0	76.1						118.9
TAMB 69. DEG F	800	81.3	87.9	88.6	88.3	86.7	85.3	82.8	81.3	77.5	76.6						118.6
(294. DEG K)	1000	79.3	87.1	88.8	88.5	86.2	84.1	82.0	79.8	76.3	74.3						118.1
TWET 63. DEG F	1250	80.6	87.4	89.3	89.3	87.2	85.4	82.8	80.9	77.0	75.1						118.9
(290. DEG K)	1600	80.8	86.7	90.9	89.8	87.7	84.4	82.4	80.4	76.8	74.4						119.1
HACT12.87 GH/M3	2000	87.1	93.2	96.9	96.0	93.7	90.4	87.1	84.2	80.5	77.9						125.2
(.01287 KG/M3)	2500	87.3	94.2	96.6	96.2	93.2	90.4	86.6	84.0	80.5	78.4						125.2
NFA 6989. RPM	3150	86.8	92.4	94.3	95.2	91.6	88.6	84.6	82.2	79.0	77.1						123.6
(732. RAD/SEC)	4000	92.9	98.9	101.2	104.6	99.5	96.0	93.1	87.7	86.1	86.5						131.7
NFK 6923. RPM	5000	88.3	94.8	96.4	98.5	95.0	90.2	87.0	83.1	80.5	79.7						128.4
(725. RAD/SEC)	6300	86.9	93.7	95.4	96.3	93.7	90.9	87.3	83.7	80.7	79.7						125.2
NFD 11517. RPM	8000	87.4	93.9	95.4	95.4	93.4	91.0	86.2	83.1	78.9	78.8						125.0
(1206. RAD/SEC)	10000	86.8	94.8	96.2	95.9	94.4	91.8	87.9	84.4	79.4	78.6						125.9
NO. OF BLADES 18	12500	86.4	93.9	95.1	94.9	93.9	91.6	88.0	83.6	78.8	77.7						125.3
FAN TIP SPEED 16000	16000	84.8	93.3	94.0	94.3	92.8	91.6	89.3	85.3	80.3	78.9						125.3
610. FT/SEC	20000	87.0	96.0	97.3	97.3	96.6	96.4	94.5	89.1	83.6	81.9						129.4
	25000	86.4	94.5	96.3	96.2	95.1	93.8	91.9	87.2	81.1	79.7						128.4
	31500	82.4	92.4	93.3	93.6	92.5	91.8	89.7	84.8	79.1	76.8						128.4
	40000	74.0	87.4	88.1	88.6	87.4	86.2	85.4	79.8	74.9	72.7						123.1
	50000	67.5	81.9	82.6	82.1	83.1	80.4	80.2	74.2	71.3	69.1						119.5
	63000	66.0	75.2	74.7	74.0	75.6	73.7	73.8	68.4	67.8	67.1						115.2
	80000	70.2	73.1	71.6	71.9	72.1	71.8	72.4	69.7	71.7	69.9						117.9
OVERALL MEASURED																	
OVERALL CALCULATED		103.7	107.6	108.9	109.7	107.2	105.6	104.0	101.7	100.0	100.1						138.9
PWR		114.9	120.2	122.0	123.8	120.1	117.4	114.7	111.2	109.0	108.7						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN):													
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)
	50	61.2	68.1	72.5	73.7	72.6	73.1	73.8	73.0	71.8	72.2				
	63	60.7	64.8	67.9	70.7	73.4	74.2	73.1	70.5	68.6	67.2				
SIDELINE 500. FT. (152.40 M)	80	65.4	69.3	69.6	70.4	72.1	74.5	74.9	74.3	72.7	70.2				
	100	62.9	69.2	70.3	70.2	69.4	71.0	72.2	71.9	70.2	69.8				
NFA 1969. RPM (206. RAD/SEC)	125	54.6	61.1	65.5	67.2	66.7	65.8	65.0	64.5	63.1	61.6				
NFK 1950. RPM (204. RAD/SEC)	160	50.6	58.4	60.4	60.9	61.2	61.1	60.8	60.0	58.1	56.1				
	200	50.8	59.3	61.9	63.4	63.2	62.9	61.4	59.8	57.1	55.7				
NFD 3244. RPM (340. RAD/SEC)	250	47.7	59.6	63.5	65.4	65.2	64.7	62.7	61.4	57.4	55.9				
	315	45.1	58.4	63.4	65.3	64.4	63.2	61.7	59.7	55.9	53.4				
	400	45.7	58.2	63.6	65.7	65.2	64.2	62.2	60.5	56.5	54.0				
AIPFLOW RATIO WF/W 12.60	500	45.2	57.0	64.7	65.9	65.4	63.0	61.5	59.8	56.0	53.0				
	630	59.7	63.0	70.3	71.8	71.1	68.7	66.0	63.3	59.4	56.2				
	800	50.1	63.4	69.6	71.6	70.2	68.4	65.2	62.8	59.1	56.4				
VEHICLE UTHSIM 1000	1000	48.7	61.0	66.8	70.2	68.3	66.3	62.9	60.7	57.3	54.8				
CONFIG A+3 1250	1250	53.9	66.7	73.2	79.1	75.8	73.4	71.0	65.9	64.1	63.9				
LCC SCHENECTADY 1600	1600	48.5	61.8	67.7	72.5	70.7	67.1	64.5	60.9	58.1	56.6				
DATE 7/22/75 2000	2000	45.2	59.8	65.9	69.7	68.9	67.3	64.4	61.0	57.8	56.2				
RUN 43/4 2500	2500	44.5	59.1	65.4	68.3	68.2	67.0	62.9	60.1	55.6	54.9				
TAPE 3150	3150	41.8	58.7	65.1	67.9	68.4	67.2	64.0	60.7	55.4	53.9				
FAN TIP SPEED 4000	4000	38.4	55.7	62.4	65.6	66.8	66.0	63.2	59.0	54.0	52.0				
610. FT/SEC 5000	5000	35.1	54.2	60.7	64.5	65.4	65.6	65.1	60.4	55.1	53.0				
	6300	32.1	53.4	61.5	65.5	67.4	68.8	67.8	62.7	56.9	54.3				
	8000	23.6	46.6	56.5	61.2	63.1	63.7	62.9	58.5	52.0	49.6				
	10000	8.5	37.3	48.0	54.1	56.7	58.3	57.5	52.9	46.8	43.3				
OVERALL CALCULATED		69.8	76.7	81.0	84.0	83.1	82.6	81.8	80.1	78.1	77.1				
PNCB		70.9	84.3	90.5	94.3	93.5	92.5	90.8	87.0	82.8	81.3				

	50	71.7	77.1	81.1	82.1	80.9	81.4	82.0	81.2	80.0	80.4				
	63	70.8	74.0	76.7	79.2	81.8	82.6	81.4	78.9	77.0	75.6				
SIDELINE 200. FT. (60.96 M)	80	75.8	78.8	78.6	79.1	80.7	83.0	83.4	82.8	81.1	78.7				
	100	73.6	78.9	79.5	79.1	78.1	79.7	80.8	80.5	78.8	78.4				
	125	65.6	71.0	74.9	76.2	75.6	74.6	73.7	73.2	71.8	70.3				
	160	61.9	68.6	70.0	70.1	70.2	70.0	69.7	68.9	66.9	65.0				
	200	62.4	69.7	71.6	72.8	72.4	72.0	70.4	68.5	66.1	64.7				
	250	59.6	70.3	73.5	74.9	74.5	73.9	71.8	70.5	66.5	65.1				
	315	57.4	69.4	73.6	75.1	73.9	72.6	70.9	68.9	65.2	62.8				
	400	58.3	69.5	74.0	75.7	74.8	73.7	71.7	69.9	65.9	63.5				
	500	58.3	68.6	75.4	76.1	75.2	72.7	71.1	69.3	65.5	62.6				
	630	64.2	74.8	81.2	82.2	81.1	78.6	75.8	73.0	69.2	66.1				
	800	64.1	75.6	80.8	82.3	80.5	78.5	75.2	72.7	69.0	66.4				
	1000	63.2	73.6	78.3	81.1	78.8	76.6	73.1	70.8	67.4	65.1				
	1250	69.0	79.8	85.1	90.3	86.6	83.9	81.4	76.2	74.5	74.4				
	1600	63.9	75.4	80.0	84.0	81.8	77.9	75.2	71.5	68.7	67.4				
	2000	61.9	74.0	78.7	81.6	80.4	78.5	75.4	71.9	68.7	67.3				
	2500	62.0	73.9	78.6	80.6	80.0	78.5	74.2	71.3	66.9	66.3				
	3150	60.7	74.3	79.0	80.8	80.7	79.1	75.7	72.3	67.1	65.8				
	4000	59.2	72.7	77.4	79.4	79.9	78.6	75.5	71.3	66.4	64.7				
	5000	57.1	72.0	76.3	78.8	78.9	78.7	77.9	73.1	67.9	66.0				
	6300	57.5	73.6	78.8	81.3	82.3	83.1	81.8	76.5	70.9	68.5				
	8000	54.1	70.3	76.6	79.3	80.0	79.9	78.6	74.1	67.8	65.8				
	10000	46.2	65.9	72.0	75.4	76.4	77.0	75.7	71.0	65.0	62.1				
OVERALL CALCULATED		80.8	88.2	92.3	95.1	93.7	92.9	91.6	89.3	87.0	86.0				
PNCB		87.1	99.2	103.9	106.3	105.6	105.0	103.2	99.2	94.8	92.9				

Run 43/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 14.9

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(10.	
SIDELINE 500. FT.	50	66.9	74.2	78.4	80.1	78.6	78.9	80.0	78.9	77.6	77.9						
	63	65.9	70.1	72.6	75.4	76.9	76.9	75.9	73.5	71.4	70.0						
	80	69.8	74.0	75.0	76.1	77.1	78.9	79.6	78.8	76.9	74.5						
(152.40 M)	100	67.4	73.6	75.7	76.6	76.9	77.7	78.5	77.9	76.2	75.5						
NFA 2461. RPM	125	60.6	67.0	72.2	74.1	74.4	73.8	72.5	71.7	70.1	68.6						
(258. RAD/SEC)	160	56.0	63.6	67.1	67.9	67.7	68.3	68.8	67.7	65.3	63.9						
NFK 2436. RPM	200	55.5	63.7	67.8	69.9	69.7	69.2	68.4	66.5	64.9	63.2						
(255. RAD/SEC)	250	52.7	61.7	67.5	70.8	70.2	70.2	68.9	67.1	64.2	61.9						
NFD 3244. RPM	315	50.3	59.6	67.1	70.8	69.7	68.4	67.2	65.6	61.9	59.9						
(340. RAD/SEC)	400	49.6	59.1	68.0	70.7	70.2	68.7	67.2	65.7	62.0	60.0						
AIRFLOW RATIO	500	47.5	58.4	67.9	71.6	70.6	68.7	67.0	65.5	62.0	59.2						
NF/WM 12.60	630	46.7	59.1	67.2	71.8	71.1	68.9	66.8	64.8	61.2	58.2						
	800	54.1	66.0	74.0	77.8	76.9	76.4	73.0	70.7	66.1	62.6						
VEHICLE UTHSIN	1000	51.9	64.4	72.2	77.1	76.5	74.5	71.4	68.4	64.8	61.8						
CONF. FIG A+3	1250	50.8	63.4	71.1	75.9	75.3	73.4	69.8	66.8	63.3	61.1						
LOC SCHENECTADY	1600	54.2	67.1	74.3	78.9	79.5	78.6	74.0	71.1	67.1	64.9						
DATE 7/22/75	2000	48.9	62.4	70.8	74.1	74.2	72.8	68.9	66.5	62.8	60.7						
RUN 43/5	2500	47.7	62.0	69.5	73.5	75.5	73.5	70.9	67.5	62.4	61.4						
TAPE	3150	45.0	62.0	70.1	73.4	74.9	73.9	72.0	67.9	63.0	61.5						
FAN TIP SPEED	4000	41.3	59.3	67.9	71.4	72.3	72.4	70.9	66.9	61.0	59.5						
763. FT/SEC	5000	38.1	56.8	64.4	68.3	69.4	69.9	68.6	64.9	60.1	58.5						
	6300	32.6	53.6	62.9	67.5	69.2	70.0	69.6	66.2	61.7	59.6						
	8000	25.3	48.3	58.7	64.5	66.7	67.5	67.2	64.2	58.6	57.9						
	10000	19.8	40.8	53.5	59.2	61.7	63.3	63.0	59.9	54.9	52.6						
OVERALL CALCULATED		74.4	80.8	85.3	88.2	88.2	87.9	87.0	85.4	83.3	82.2						
PNDB		74.8	87.3	94.9	98.6	99.2	98.5	96.7	93.5	89.3	87.5						

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	50	76.7	83.2	87.0	88.6	86.9	87.1	88.3	87.1	86.0	86.2					
	63	76.0	79.3	81.4	84.0	85.3	85.3	84.2	81.8	79.7	78.3					
SIDELINE 200. FT.	80	80.2	83.4	84.0	84.8	85.7	87.4	88.1	87.2	85.4	83.0					
(60.96 M)	100	78.0	83.3	84.9	85.5	85.6	86.4	87.0	86.4	84.8	84.2					
	125	71.6	76.9	81.5	83.2	83.3	82.6	81.2	80.4	78.8	77.3					
	160	67.3	73.7	76.7	77.1	76.7	77.2	77.4	76.6	74.2	72.8					
	200	67.1	74.1	77.6	79.2	78.9	78.2	77.4	75.5	73.9	72.2					
	250	64.6	72.4	77.4	80.4	79.5	79.4	78.0	76.2	73.3	71.1					
	315	62.6	70.5	77.3	80.5	79.2	77.8	76.4	74.8	71.2	69.3					
	400	62.3	70.3	78.4	80.6	79.8	78.2	76.6	75.1	71.4	69.5					
	500	60.5	69.9	78.5	81.8	80.5	78.4	76.6	75.0	71.5	68.9					
	630	60.2	71.0	78.1	82.1	81.1	78.8	76.5	74.5	70.9	68.1					
	800	68.1	78.2	85.2	88.5	87.2	86.4	82.9	80.6	76.0	72.7					
	1000	66.4	77.0	83.8	88.0	87.0	84.8	81.6	78.5	74.9	72.1					
	1250	66.0	76.4	83.0	87.0	86.1	83.9	80.1	77.1	73.7	71.6					
	1600	70.1	80.8	86.7	90.5	90.5	89.4	84.7	81.7	77.7	75.7					
	2000	65.7	76.6	83.6	86.1	85.6	83.9	79.9	77.4	73.7	71.8					
	2500	65.3	76.7	82.8	85.8	87.2	84.9	82.2	78.7	73.6	72.8					
	3150	63.9	77.7	84.0	86.3	87.2	85.8	83.7	79.5	74.7	73.4					
	4000	62.2	78.3	82.9	85.1	85.1	83.3	79.2	73.4	72.2						
	5000	60.1	74.6	80.0	82.6	82.9	82.9	81.4	77.6	72.9	71.5					
	6300	58.0	73.7	80.3	83.3	84.0	84.3	83.5	80.0	75.6	73.8					
	8000	55.9	72.0	78.8	82.6	83.6	83.6	82.9	79.8	74.3	74.1					
	10000	48.5	69.3	77.4	80.5	81.4	82.1	81.3	78.0	73.1	71.4					
OVERALL CALCULATED		85.1	91.6	96.2	98.9	98.8	98.1	96.7	94.8	92.3	91.2					
PNDB		90.8	102.2	108.2	111.9	111.2	110.2	108.2	105.0	100.8	99.2					

Run 43/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 MR. 14.9																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL 17. FT.	80																	
(5. M)	100	92.8	87.5	85.0	85.8	87.3	88.8	89.8	90.8	89.5	89.3							122.6
VEHICLE UTNSIM	125	96.8	94.8	95.3	94.8	93.5	94.3	94.8	93.0	92.3	92.3							127.6
CONFIG A+3	160	97.3	101.3	102.0	102.3	98.8	98.0	98.3	97.0	96.3	95.8							132.6
LOC SCHENECTADY	200	97.0	98.0	98.0	98.2	98.5	97.5	96.0	93.5	91.0	90.6							129.9
DATE 7/22/75	250	102.0	102.0	100.7	99.0	98.7	99.7	100.0	98.5	96.8	95.0							132.6
RUN 43/6	315	99.7	102.2	102.0	100.7	99.2	98.8	99.2	98.7	96.8	97.1							133.1
TAPE	400	94.0	95.0	97.5	98.2	96.7	95.8	93.8	93.3	91.3	90.6							129.8
BAR 29.7 HG	500	89.3	93.0	93.8	92.8	91.2	90.5	90.0	88.8	87.0	85.8							124.2
(00228. N/M2)	630	89.8	93.3	94.3	94.0	92.7	91.8	90.5	88.8	86.8	85.6							124.9
TAMB 71. DEG F	800	87.5	91.3	94.0	94.3	93.5	92.3	91.0	89.3	86.3	84.6							125.0
(295. DEG K)	1000	85.0	90.0	93.5	93.7	92.7	91.1	89.3	87.3	84.5	82.3							123.9
TWET 63. DEG F	1250	84.8	89.5	94.5	95.0	93.0	91.3	89.6	87.8	85.0	82.8							124.5
(290. DEG K)	1600	83.3	89.1	94.0	95.7	93.7	91.6	89.3	87.1	84.5	81.9							124.7
HACT 12.28 GM/H3	2000	84.0	89.6	93.5	96.7	94.7	91.8	89.9	86.9	83.8	81.9							125.2
(.61228 KG/M3)	2500	90.2	96.1	99.8	101.9	100.7	97.3	94.4	92.2	87.7	85.9							130.8
NFA 9320. RPM	3150	92.0	97.6	101.2	103.7	102.1	99.1	95.6	92.4	88.7	86.9							132.3
(976. RAD/SEC)	4000	92.1	97.2	100.7	102.6	101.5	98.0	94.3	90.6	87.6	85.8							131.5
NFK 9214. RPM	5000	92.5	98.2	101.1	103.0	102.5	100.2	95.8	92.3	89.0	86.7							132.5
(965. RAD/SEC)	6300	93.1	98.8	101.8	103.0	102.4	99.6	95.3	91.4	88.2	87.7							132.5
NFD 11517. RPM	8000	91.9	98.0	100.9	102.2	101.2	98.7	96.2	92.1	88.2	86.6							131.8
(1206. RAD/SEC)	10000	92.3	99.5	102.7	102.6	102.1	100.5	97.5	93.8	89.4	88.3							133.2
NO. OF BLADES 18	12500	91.9	99.8	102.1	102.6	101.6	99.8	98.0	94.0	88.9	87.7							133.1
FAN TIP SPEED	16000	89.8	97.8	99.0	100.6	98.6	97.4	96.3	91.8	87.9	87.2							131.1
814. FT/SEC	20000	88.5	97.0	99.8	100.8	99.4	98.9	98.6	94.1	90.4	89.4							132.5
	25000	89.2	97.4	99.9	101.0	100.5	99.6	98.5	95.0	90.2	90.1							133.6
	31500	87.3	97.7	99.9	100.2	99.6	98.4	98.1	94.1	90.2	89.0							133.8
	40000	80.7	93.9	96.0	96.3	96.1	95.1	94.8	90.4	87.4	85.6							131.6
	50000	75.2	90.3	90.8	91.3	91.8	90.2	90.7	85.2	83.3	80.4							128.6
	63000	75.4	83.5	82.9	83.4	83.0	83.8	83.7	78.5	75.7	73.0							124.9
	80000	80.7	83.0	82.0	82.4	82.6	82.3	82.9	80.1	72.2	70.4							127.4
OVERALL MEASURED																		
OVERALL CALCULATED		108.1	111.7	113.6	114.4	113.3	111.7	110.2	107.6	105.0	104.2							149.4
PNDP		117.3	121.8	124.7	126.3	125.0	122.7	119.9	117.2	114.1	112.7							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT WPL, MM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
SIDELINE 500. FT.	(152.40 M)	50	67.4	75.7	79.1	81.1	78.8	78.9	79.5	78.4	77.6	76.7							
		63	66.7	72.1	74.8	76.9	78.4	78.2	77.1	74.7	72.1	71.2							
		80	71.1	75.7	77.3	77.4	78.4	80.2	80.9	79.5	77.7	75.5							
NFA 2625. RPM	(275. RAD/SEC)	100	68.4	75.6	78.2	78.9	78.6	79.0	80.0	79.6	77.5	77.3							
		125	62.1	69.0	73.4	76.1	75.9	75.8	74.3	73.9	71.8	70.8							
		160	56.8	65.6	69.4	70.4	70.2	70.3	70.3	69.2	67.3	65.6							
NFK 2595. RPM	(272. RAD/SEC)	200	56.7	65.4	69.6	71.4	71.5	71.4	70.6	69.0	66.9	65.2							
		250	53.9	63.0	69.0	71.3	72.0	71.7	70.9	69.3	66.2	63.9							
NFD 3244. RPM	(340. RAD/SEC)	315	50.8	61.3	68.1	70.5	70.9	70.2	68.9	67.1	64.2	61.4							
		400	49.9	60.3	68.7	71.4	70.9	70.2	69.0	67.4	64.5	61.7							
AIRFLOW RATIO		500	47.7	59.4	67.9	71.9	71.4	70.2	68.5	66.5	63.7	60.5							
	NF/WM 12.60	630	47.7	59.4	67.0	72.5	72.1	70.2	68.8	66.0	62.7	60.2							
		800	53.1	65.2	72.7	77.3	77.7	75.4	73.0	71.0	66.4	63.9							
VEHICLE	UTHSIM	1000	53.9	66.1	73.7	78.6	78.8	76.8	73.9	70.9	67.0	64.6							
CONFIG	A+3	1250	53.1	65.1	72.6	77.1	77.8	75.4	72.3	68.8	65.6	63.1							
LOC SCHEMECTADY		1600	52.2	65.2	72.3	76.9	78.2	77.1	73.3	70.1	66.6	63.6							
DATE 7/22/75		2000	51.4	64.9	72.4	76.4	77.7	76.1	72.4	68.7	65.3	62.2							
RUN 43/6		2500	49.0	63.2	70.8	75.0	76.0	74.8	72.9	69.0	64.9	62.6							
TAPE		3150	47.3	63.3	71.6	74.6	76.2	75.9	73.5	70.2	65.5	63.7							
FAN TIP SPEED		4000	43.9	61.6	69.4	73.4	74.6	74.2	73.2	69.4	64.0	62.1							
	814. FT/SEC	5000	40.1	58.6	65.7	70.9	71.2	71.4	71.2	66.9	62.7	61.3							
		6300	33.7	54.4	63.9	69.0	70.2	71.3	71.9	67.7	63.7	61.8							
		8000	26.4	49.6	60.0	66.0	68.5	69.5	69.5	66.3	61.1	60.0							
		10000	13.4	42.6	54.6	60.7	63.8	64.9	65.8	62.2	57.9	55.5							
OVERALL CALCULATED			75.3	82.4	86.5	89.2	89.5	89.0	88.2	86.5	84.2	82.9							
	PND8		75.3	86.6	96.1	99.6	100.6	100.1	98.4	95.4	91.4	89.5							

SIDELINE 200. FT.	(60.96 M)	50	77.2	84.7	87.7	89.6	87.1	87.1	87.8	86.6	85.8	84.9						
		63	76.7	81.3	83.6	85.5	86.8	86.5	85.4	83.1	80.5	79.6						
		80	81.5	85.2	86.2	86.1	86.9	88.7	89.3	88.0	86.1	84.0						
		100	79.0	85.3	87.4	87.8	87.4	87.5	88.5	88.2	86.1	85.9						
		125	73.1	78.9	82.8	85.2	84.8	84.6	83.0	82.6	80.5	79.3						
		160	68.1	75.7	78.9	79.6	79.2	79.2	79.2	78.1	76.2	74.5						
		200	68.3	75.8	79.3	80.7	80.6	80.4	79.8	78.0	75.9	74.2						
		250	65.9	73.7	78.9	80.9	81.3	80.9	80.0	78.4	75.3	73.1						
		315	63.1	72.2	78.3	80.3	80.4	79.5	78.2	76.3	73.4	70.8						
		400	62.6	71.6	79.2	81.4	80.6	79.7	78.4	76.8	73.9	71.2						
		500	60.8	70.9	78.5	82.0	81.2	79.9	78.1	76.0	73.3	70.1						
		630	61.2	71.2	77.9	82.9	82.1	80.0	78.5	75.7	72.4	70.1						
		800	67.1	77.5	83.9	88.0	87.9	85.4	82.9	80.9	76.3	73.9						
		1000	68.4	78.7	85.3	89.5	89.3	87.0	84.1	81.0	77.1	74.6						
		1250	68.2	78.2	84.5	88.3	88.6	85.9	82.8	79.1	76.0	73.6						
		1600	68.1	78.8	84.7	88.5	89.3	87.9	83.9	80.7	77.2	74.4						
		2000	68.2	79.1	85.1	88.3	89.1	87.2	83.4	79.6	76.3	75.3						
		2500	66.5	78.0	84.0	87.4	87.7	86.2	84.2	80.2	76.1	74.1						
		3150	66.1	79.0	85.5	87.5	88.5	87.8	85.2	81.8	77.2	75.6						
		4000	64.7	78.6	84.4	87.2	87.7	86.8	85.6	81.8	76.4	74.7						
		5000	62.1	76.4	81.2	85.1	84.7	84.4	84.0	79.6	75.5	74.3						
		6300	59.0	74.5	81.3	84.8	85.1	85.6	85.8	81.6	77.7	76.1						
		8000	56.9	73.3	80.1	84.1	85.4	85.7	85.2	81.9	76.9	76.1						
		10000	51.1	71.2	78.5	82.0	83.5	83.7	84.1	80.3	76.2	74.2						
OVERALL CALCULATED			86.1	93.0	97.3	99.9	100.0	99.2	98.2	96.0	93.4	92.1						
	PND8		91.9	103.5	109.4	112.1	112.6	111.8	110.1	106.8	102.9	101.2						

Run 43/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 MR. 1979														
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.10)(2.28)(2.46)(2.64)(2.82)(3.00) PwL		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
50		50	50	50	50	50	50	50	50	50	50	50	50	50	50	
63		63	63	63	63	63	63	63	63	63	63	63	63	63	63	
80		80	80	80	80	80	80	80	80	80	80	80	80	80	80	
RADIAL 17. FT. (5. M)		100	95.0	88.8	85.0	85.8	87.0	89.3	90.3	91.0	90.5	89.8			123.3	
VEHICLE	UTHSIM	125	95.8	94.8	95.5	95.0	94.5	95.5	95.0	94.0	92.8	93.3			126.2	
CONFIG	A*3	160	97.8	102.3	102.8	102.8	100.5	98.0	98.5	97.0	95.8	96.1			133.2	
LOC	SCHENECTADY	200	98.5	99.0	99.5	99.5	99.5	98.7	97.0	94.2	92.3	91.6			131.1	
DATE	7/22/75	250	102.7	102.5	101.2	100.0	100.0	100.7	100.5	99.2	97.5	96.0			133.6	
RUN	43/7	315	99.7	102.7	102.5	101.2	99.7	99.8	99.7	99.2	97.3	97.3			133.6	
TAPE		400	95.5	97.0	98.7	99.2	98.2	97.0	95.0	94.5	92.3	91.3			130.8	
BAR	29.7 HG	500	91.3	93.5	94.5	94.0	92.2	91.8	91.0	90.3	88.0	86.8			125.2	
	(100228. N/M2)	630	90.8	94.0	94.8	94.8	94.0	93.3	91.5	90.0	88.5	87.1			126.0	
TAMB	72. DEG F	800	89.3	92.0	94.8	95.3	94.5	93.3	91.8	90.0	87.5	85.8			125.9	
	(1295. DEG K)	1000	86.3	89.8	94.5	95.0	93.2	92.6	90.8	88.8	85.8	83.6			125.0	
T-ET	54. DEG F	1250	85.8	89.8	95.5	96.5	94.7	92.8	90.8	88.8	85.5	83.8			125.8	
	(1291. DEG K)	1600	84.5	89.8	94.5	96.7	95.0	92.8	90.8	88.6	85.8	83.4			125.8	
HACT	12.77 GH/M3	2000	85.5	90.3	94.3	97.2	95.2	93.1	90.6	89.2	85.5	82.9			126.0	
	(.01277 KG/M3)	2500	90.5	95.6	98.8	101.7	99.4	96.8	94.6	91.4	88.0	85.6			130.2	
NFA	9664. RPM	3150	93.2	98.8	102.7	105.4	103.6	101.3	98.4	94.9	92.2	88.4			134.1	
	(1014. RAD/SEC)	4000	92.9	97.7	101.2	103.3	102.5	98.8	95.1	92.1	88.9	86.3			132.3	
NFK	9565. RPM	5000	92.5	97.9	101.3	104.0	102.5	99.7	96.5	92.8	89.3	87.2			132.8	
	(1001. RAD/SEC)	6300	95.6	100.6	103.8	106.2	105.2	101.9	96.8	93.7	90.2	89.0			135.1	
NFD	11517. RPM	8000	92.9	98.7	101.1	102.7	101.2	99.5	97.0	93.6	89.2	88.1			132.3	
	(1206. RAD/SEC)	10000	93.0	100.2	103.2	104.1	103.1	102.0	98.7	95.1	90.6	89.3			134.3	
NO. OF BLADES	18	12500	93.2	100.8	102.3	103.6	102.4	101.6	99.8	95.0	90.8	88.9			134.2	
FAN TIP SPEED	16000	20000	91.5	98.7	100.0	101.0	100.1	98.4	97.3	93.3	88.8	86.7			132.1	
	845. FT/SEC	25000	90.0	98.2	100.8	101.8	100.9	100.1	98.5	95.1	91.1	90.4			133.5	
		30000	90.7	98.4	100.3	101.8	100.7	100.1	99.2	95.2	91.6	90.8			134.2	
		31500	87.7	98.4	101.1	101.9	100.8	100.4	98.8	95.8	91.7	90.4			135.2	
		40000	82.4	95.4	97.7	97.4	97.3	96.5	96.0	91.3	88.8	86.8			132.9	
		50000	75.6	90.7	91.9	92.7	93.2	91.8	92.3	86.1	84.7	81.6			130.2	
		63000	75.5	84.1	84.3	85.2	86.1	84.7	84.8	79.3	77.0	73.3			125.8	
		80000	80.5	82.8	81.8	82.2	82.4	82.1	82.8	80.0	72.6	70.5			127.3	
OVERALL MEASURED																
OVERALL CALCULATED		108.9	112.5	114.3	115.6	114.4	112.8	111.1	108.5	105.9	105.0				146.4	
PND9		118.4	122.7	125.7	127.6	126.2	124.1	121.5	118.8	116.0	113.7					

Run 43/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 29 HR. 14.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	
	0.	10.	10.	10.	10.	10.	10.	10.	10.	10.	
SIDELINE 500. FT. (152.40 M)	50	67.9	76.7	79.9	81.6	80.6	78.9	79.4	78.4	77.1	78.9
	63	68.2	73.1	76.3	78.1	79.4	79.4	78.1	75.5	73.4	72.2
	80	71.8	76.2	77.8	78.4	79.6	81.2	81.4	80.3	78.4	76.5
NFA 2726. RPM (286. RAD/SEC)	100	68.4	76.1	78.7	79.4	79.1	80.0	80.5	80.1	78.0	77.5
	125	63.6	70.0	74.7	77.1	77.4	77.1	75.5	75.2	72.8	71.3
NFK 2694. RPM (282. RAD/SEC)	160	58.8	66.1	70.1	71.6	71.2	71.6	71.3	70.7	68.3	66.6
	200	57.7	66.2	70.1	72.1	72.7	72.9	71.6	70.3	68.6	66.7
NFD 3244. RPM (340. RAD/SEC)	250	55.7	63.7	69.7	72.3	73.0	72.7	71.7	70.1	67.4	65.2
	315	52.0	61.1	69.1	71.8	71.4	71.7	70.4	68.6	65.4	62.7
	400	50.9	60.6	69.7	73.0	72.7	71.7	70.2	68.4	65.0	62.7
AIRFLOW RATIO WF/WM 12.60	500	49.0	60.1	68.4	72.9	72.6	71.5	69.8	68.0	65.0	62.0
	630	54.2	65.4	72.2	77.5	76.8	75.2	73.5	70.5	66.9	64.0
	800	56.1	68.0	75.7	80.8	80.7	79.4	77.0	73.8	70.8	66.4
VEHICLE UTHSIM CONFIG A+3	1000	54.9	66.3	73.7	78.3	79.2	78.5	73.4	70.7	67.2	64.0
	1250	53.5	65.8	73.3	78.5	78.7	77.1	74.5	71.0	67.3	64.6
LCC SCHENECTADY DATE 7/22/75	1600	55.4	67.6	75.1	80.3	81.0	78.6	74.4	71.5	67.8	66.0
	2000	51.3	64.9	71.8	76.2	76.5	76.0	74.1	71.0	66.4	64.6
RUN 43/7 TAPE	2500	50.2	65.6	73.2	77.1	78.1	78.2	75.5	72.1	67.9	65.3
	3150	48.4	64.8	71.4	75.8	76.7	77.1	76.1	71.5	67.1	64.5
FAN TIP SPEED 845. FT/SEC	4000	43.8	60.9	67.7	72.1	73.4	73.1	72.8	69.0	64.3	63.4
	5000	40.7	59.4	67.9	72.5	73.9	74.6	73.8	70.6	66.4	64.9
	6300	36.5	56.4	65.1	70.6	72.1	73.1	73.2	70.4	65.6	63.8
	8000	25.8	51.5	62.1	67.8	69.7	71.2	70.7	68.0	63.5	61.3
	10000	9.8	41.6	53.7	59.3	62.8	64.4	65.1	60.8	57.9	54.6
OVERALL CALCULATED PNdB		76.1	83.2	87.5	90.5	90.8	90.3	89.3	87.4	85.0	83.7
		76.9	89.9	97.0	101.0	101.7	101.6	100.3	96.9	93.0	90.8

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. (60.96 M)	50	77.7	85.7	88.5	90.1	88.9	87.1	88.0	86.6	85.3	85.2
	63	78.2	82.3	85.1	86.7	87.8	87.8	86.4	83.8	81.7	80.6
	80	82.2	85.7	86.8	87.1	88.2	89.7	89.8	88.7	86.9	85.0
	100	79.0	85.8	87.9	88.3	87.9	88.6	89.0	88.7	86.6	86.2
	125	74.6	79.9	84.0	86.2	86.3	85.8	84.2	83.9	81.5	80.1
	160	70.1	76.2	79.7	80.8	80.2	80.5	80.2	79.6	77.2	75.5
	200	69.3	76.6	79.8	81.5	81.9	81.9	80.6	79.2	77.6	75.7
	250	67.6	74.4	79.7	81.9	82.3	81.9	80.8	79.2	76.5	74.4
	315	64.3	72.0	79.3	81.5	80.9	81.0	79.7	77.8	74.7	72.0
	400	63.6	71.8	80.2	82.9	82.3	81.2	79.6	77.8	74.4	72.2
	500	62.0	71.7	79.0	83.0	82.5	81.1	79.3	77.5	74.5	71.6
	630	67.7	77.2	83.1	87.9	86.8	85.1	83.3	80.2	76.7	73.8
	800	70.1	80.2	87.0	91.4	90.9	89.4	86.9	83.7	80.6	76.5
	1000	69.4	79.0	85.2	89.2	89.7	86.8	83.5	80.8	77.3	74.3
	1250	68.7	78.9	85.2	89.7	89.5	87.8	84.9	81.4	77.7	75.1
	1600	71.2	81.3	87.4	91.8	92.1	89.6	85.1	82.1	78.4	76.8
	2000	68.1	79.1	84.6	88.1	87.9	87.1	85.1	81.9	77.3	75.6
	2500	67.8	80.3	86.5	89.4	89.8	89.6	86.8	83.3	78.7	76.9
	3150	67.2	80.5	85.3	88.7	88.9	89.0	87.8	83.2	78.9	76.4
	4000	64.6	77.9	82.6	85.9	86.5	85.7	85.2	81.3	76.7	76.1
	5000	62.7	77.3	83.5	86.8	87.4	87.6	86.6	83.3	79.2	77.9
	6300	61.8	76.6	82.4	86.4	86.9	87.4	87.1	84.3	79.5	78.1
	8000	56.3	75.1	82.3	85.9	86.6	87.3	86.5	83.7	79.3	77.4
	10000	47.6	70.2	77.7	80.7	82.6	83.1	83.3	78.9	76.1	73.4
OVERALL CALCULATED PNdB		87.0	94.0	98.3	101.3	101.3	100.6	99.4	97.1	94.3	92.9
		93.1	104.7	110.1	113.3	113.5	113.2	111.8	108.3	104.5	102.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SP. BEG. P. 70 PERCENT REL. HUM. DAY)
PROC. DATE - MONTH 7 DAY 29 HR. 19.0

PARAMETER	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDELINE 900. FT. (152.40 M)	50 68.9	70.2	74.9	77.8	79.6	80.6	80.4	79.1	77.0	75.2	73.5
NFA 2823. RPM (296. RAD/SEC)	63 70.2	72.8	77.3	79.7	80.6	80.9	81.0	82.0	81.6	79.2	77.9
NFK 2783. RPM (291. RAD/SEC)	80 70.4	74.6	77.3	79.7	80.6	80.9	81.0	82.0	81.6	79.2	77.9
NFD 3244. RPM (340. RAD/SEC)	100 64.6	71.2	75.7	77.9	78.6	78.9	78.1	76.8	76.2	74.1	72.3
AIRFLOW RATIO	160 61.5	67.8	71.6	73.1	73.4	73.4	73.1	72.8	71.5	69.1	67.9
NF/WH 12.60	200 60.0	67.7	71.1	73.6	74.7	73.9	72.9	71.3	69.1	68.2	66.7
VEHICLE CONFIG	250 57.2	65.2	70.7	73.1	74.0	73.7	72.7	71.3	68.7	66.7	63.9
LCC SCHEENECTADY	315 54.0	62.3	69.6	72.3	72.4	72.2	70.9	69.6	66.2	63.7	62.7
DATE 7/22/75	400 52.1	61.6	70.0	73.2	73.2	71.7	70.5	69.7	66.2	63.7	62.7
RUN: 43/8	500 50.2	61.1	68.6	72.9	73.1	71.5	69.8	68.5	65.0	62.7	61.0
TAPE	630 53.9	65.1	71.2	76.5	76.3	75.0	72.8	70.8	66.2	64.0	62.4
FAN TIP SPEED 875. FT/SEC	800 58.1	69.0	75.5	80.6	81.2	80.9	77.3	74.8	70.6	65.3	63.7
OVERALL CALCULATED	1000 55.5	66.8	74.4	79.1	79.7	78.0	75.2	71.7	68.0	63.3	61.6
PND8	1250 57.6	69.9	77.1	81.5	81.0	80.1	77.4	73.0	70.0	65.6	63.0
	1600 52.9	65.2	72.3	76.7	77.3	77.3	74.7	72.0	67.4	63.4	61.0
	2000 51.7	67.1	74.0	77.4	78.8	78.7	76.6	73.4	68.2	64.5	61.9
	2500 49.9	65.8	72.7	76.4	77.7	77.7	76.6	73.1	68.2	64.5	62.3
	3000 45.1	62.4	69.0	72.9	74.2	74.1	73.9	70.3	66.1	62.7	60.5
	3500 42.3	60.5	68.5	72.8	74.2	74.7	73.6	71.2	67.0	63.7	61.6
	4000 37.6	57.1	66.7	70.7	73.5	74.0	74.0	71.0	66.7	63.7	61.6
	4500 27.5	52.4	63.3	68.7	70.6	72.3	71.8	68.7	64.9	62.9	61.0
	5000 10.3	42.8	54.9	61.1	64.1	65.3	66.8	62.8	59.8	56.6	54.4
	6000 77.6	84.3	88.3	91.1	91.5	91.1	90.1	88.3	85.6	84.4	82.4
	8000 78.8	91.1	97.8	101.5	102.5	102.3	101.1	98.1	94.1	92.4	90.4

SIDELINE 200. FT. (60.96 M)	50 78.7	86.5	89.0	90.6	89.4	86.1	87.0	85.1	84.0	83.9	83.9
	63 80.2	84.1	86.6	88.2	89.0	88.8	87.4	85.3	82.7	81.8	81.8
	80 83.2	86.4	87.8	88.1	88.9	89.6	90.6	89.2	87.6	85.2	85.2
	100 81.0	87.0	88.9	89.5	89.6	89.6	90.5	90.2	87.6	85.2	85.2
	125 75.6	81.1	85.0	86.9	86.8	86.8	85.5	84.9	82.8	81.1	81.1
	160 72.8	78.0	81.2	82.3	82.5	82.0	81.7	80.3	77.9	76.0	76.0
	200 71.6	78.1	80.8	83.0	83.9	82.9	81.9	80.2	78.1	77.2	77.2
	250 69.1	75.9	80.7	82.6	83.3	82.9	81.8	80.4	77.8	75.9	75.9
	315 66.3	73.2	79.6	82.0	81.9	81.5	80.2	78.8	75.4	73.3	73.3
	400 64.8	72.8	80.4	83.1	82.8	81.2	79.9	79.1	75.6	73.2	73.2
	500 63.3	72.7	79.3	83.0	83.0	81.1	79.3	78.0	74.5	72.4	72.4
	630 67.5	77.0	82.1	86.9	86.3	84.8	82.5	80.5	75.9	73.6	73.6
	800 72.1	81.3	86.7	91.2	91.4	90.9	87.2	84.7	80.5	77.5	77.5
	1000 71.4	79.5	86.0	90.0	90.2	88.3	85.3	81.8	78.1	75.6	75.6
	1250 70.7	79.9	85.2	89.2	89.8	87.6	85.4	82.1	78.7	76.1	76.1
	1600 73.5	83.5	89.4	93.1	92.1	90.9	88.1	83.6	80.7	79.8	79.8
	2000 69.6	79.4	85.1	88.6	88.7	88.4	85.6	82.9	78.3	76.5	76.5
	2500 69.3	81.9	87.2	89.7	90.6	90.1	87.8	84.8	80.2	78.7	78.7
	3150 68.8	81.5	86.6	89.3	90.0	89.6	88.3	84.7	79.9	78.4	78.4
	4000 65.9	79.4	83.9	86.7	87.3	86.7	86.3	82.6	78.5	77.4	77.4
	5000 64.3	78.3	84.1	87.1	87.7	87.7	86.3	82.6	78.5	77.4	77.4
	6300 62.9	77.2	84.0	86.5	88.3	87.7	86.4	82.4	80.8	79.7	79.7
	8000 58.0	76.0	83.4	87.8	87.5	88.5	87.6	84.9	80.6	80.2	80.2
OVERALL CALCULATED	10000 48.0	71.4	78.9	82.4	83.8	84.1	85.0	80.9	78.1	75.4	75.4
PND8	68.5	95.1	99.1	101.8	102.0	101.5	100.3	98.0	95.1	93.9	93.9
	94.8	105.8	111.0	113.9	114.4	113.9	112.6	109.5	105.5	104.1	104.1

Run 43/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 9 DAY 20 HR. 15.0

		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAVI)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(10.	(10.)	
	50																	
	63																	
RADIAL	17. FT.																	
	(S. M)																	
VEHICLE	UTNSIM	125	98.8	96.8	96.3	95.8	94.8	95.8	96.0	94.5	93.3	93.8						124.9
CONFIG	A+3	160	99.0	103.3	103.5	103.3	101.5	97.3	97.3	96.3	95.5	95.5						133.9
LCC	SCHENECTADY	200	101.5	102.7	102.7	102.7	102.7	101.5	99.2	97.2	94.5	94.0						134.1
DATE	7/22/75	250	103.7	103.7	103.0	102.0	101.7	102.2	102.0	100.2	98.7	97.2						139.1
RUN	43/9	315	101.7	104.0	104.2	103.5	102.5	102.3	102.7	102.2	99.5	100.0						136.8
TAPE		430	97.5	99.3	101.7	101.7	100.0	99.3	97.8	96.8	95.0	94.2						132.4
BAR	29.7 HG	500	93.0	96.0	97.0	96.8	95.2	94.3	93.8	92.3	90.7	89.3						127.8
	(00228. N/H2)	630	93.8	96.0	97.0	97.0	96.5	95.3	94.3	92.8	90.8	89.8						128.3
TAMB	74. DEG F	800	91.5	94.5	96.5	97.3	97.2	95.6	94.5	93.0	90.5	88.8						128.3
	(298. DEG K)	1000	89.3	92.0	95.5	96.5	95.7	94.1	92.8	91.3	88.5	86.9						128.9
T-ET	64. DEG F	1250	87.8	92.3	96.0	97.2	96.2	94.3	92.6	90.8	88.0	86.3						127.2
	(291. DEG K)	1600	86.5	91.6	94.5	98.0	96.2	93.8	91.8	90.1	87.0	85.0						126.8
HACT	12.18 GM/MS	2000	87.3	92.3	95.3	98.2	96.7	94.1	91.9	90.2	87.0	84.8						127.2
	(.01218 KG/MS)	2500	91.0	95.1	97.5	100.2	98.9	96.6	93.9	92.2	88.2	85.8						129.4
NFA	10475. RPM	3150	96.7	100.6	103.2	106.2	104.6	102.8	98.9	96.7	92.4	90.3						135.1
	(1097. RAD/SEC)	4000	96.6	100.7	102.9	104.8	104.0	101.5	98.1	94.4	91.3	89.2						134.3
NFK	10327. RPM	5000	96.6	100.2	102.3	104.0	103.2	100.7	98.3	94.8	91.3	89.4						133.7
	(1081. RAD/SEC)	6300	100.6	104.6	106.6	108.0	107.4	105.1	101.8	97.4	93.9	92.2						137.8
NFD	11517. RPM	8000	95.4	100.5	102.6	103.9	102.9	101.5	98.2	95.9	91.9	90.0						134.0
	(1206. RAD/SEC)	10000	95.8	103.0	105.2	105.4	105.4	103.3	101.7	98.1	93.6	92.3						136.3
NO. OF BLADES	18	12500	96.0	102.5	104.8	104.6	104.2	103.1	102.0	98.1	93.6	92.4						136.0
FAN TIP SPED	16000	20000	94.1	101.0	102.3	103.3	101.9	101.4	100.4	96.1	92.1	91.5						134.6
	914. FT/SEC	25000	92.8	100.8	102.4	103.1	102.7	101.7	100.9	97.6	93.9	93.4						135.4
		31500	92.8	100.0	102.7	102.9	103.0	102.0	101.1	98.8	94.7	94.8						136.2
		40000	90.6	100.5	103.0	103.3	102.4	102.0	101.7	98.7	94.5	93.5						137.2
		50000	84.3	97.6	99.9	100.4	100.0	99.2	99.0	95.1	92.5	90.4						135.8
		63000	78.4	93.7	94.7	94.8	96.5	95.1	95.6	89.6	88.2	86.0						133.3
		80000	76.4	86.7	87.4	86.6	89.0	87.8	87.7	82.0	81.6	79.2						128.5
			81.0	83.3	82.3	82.7	82.9	82.6	83.3	80.5	82.5	80.7						128.7
OVERALL MEASURED																		
OVERALL CALCULATED		111.3	114.6	116.2	116.9	116.2	114.7	113.3	110.8	107.9	107.1							148.3
PNDR		121.9	125.4	127.3	128.6	127.8	125.8	123.2	120.8	117.4	115.7							

Run 43/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 20 HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. MAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	
	50	69.2	77.7	80.6	82.1	81.6	78.1	78.5	77.7	76.8	76.4								
	63	71.2	76.9	79.8	81.4	82.6	82.2	80.4	78.5	75.8	74.7								
SIDELINE 500. FT.	80	72.8	77.5	79.5	80.4	81.4	82.7	82.9	81.3	79.8	77.7								
(152.40 M)	100	70.4	77.3	80.5	81.6	81.9	82.5	83.5	83.1	80.2	80.2								
NFA 2950. RPM	125	65.6	72.2	77.7	79.6	79.2	79.3	78.3	77.4	75.5	74.3								
(309. RAD/SEC)	160	60.5	68.6	72.6	74.4	74.2	74.1	74.1	72.7	71.0	69.1								
NFK 2909. RPM	200	60.7	68.2	72.3	74.4	75.2	74.9	74.4	73.0	70.9	69.4								
(305. RAD/SEC)	250	57.9	66.2	71.5	74.3	75.7	74.9	74.4	73.1	70.4	68.1								
NFD 3244. RPM	315	55.0	63.3	70.1	73.3	73.9	73.2	72.4	71.1	68.2	65.6								
(340. RAD/SEC)	400	52.9	63.1	70.2	73.7	74.2	73.2	72.0	70.4	67.4	65.2								
AIRFLOW RATIO	500	51.6	61.9	68.4	74.1	73.9	72.2	71.0	69.5	66.2	63.7								
WF/WH 12.60	630	54.7	64.9	71.0	76.0	76.3	75.0	72.8	71.3	67.1	64.2								
	800	52.6	69.8	76.2	81.6	81.7	80.6	77.5	75.5	71.1	68.4								
VEHICLE UTMSIM	1000	58.6	69.3	75.4	79.8	80.7	79.3	76.4	72.9	69.7	67.0								
CONFIG A+3	1250	57.5	68.1	74.3	78.6	79.5	78.1	76.3	73.0	69.3	66.8								
LCC SCHENECTADY	1600	60.4	71.6	77.9	82.0	83.3	82.1	79.2	75.2	71.5	69.2								
DATE 7/22/75	2000	53.9	66.7	73.3	77.4	78.3	78.0	75.4	73.3	69.1	66.6								
RUN 43/9	2500	53.0	68.3	75.3	78.4	80.3	79.4	78.6	75.2	70.5	68.5								
TAPE	3150	51.2	66.6	73.9	76.9	78.4	78.7	78.3	74.6	69.9	68.0								
FAN TIP SPEED	4000	46.3	63.2	70.0	74.4	75.2	76.1	75.9	71.8	67.6	66.2								
914. FT/SEC	5000	43.6	62.0	69.5	73.8	75.7	76.2	76.1	73.2	69.2	67.9								
	6300	38.6	58.1	67.4	71.7	74.5	75.0	75.0	73.0	68.6	67.9								
	8000	28.7	53.6	64.0	69.2	71.4	72.8	73.6	70.9	66.4	64.4								
	10000	11.8	43.8	55.9	62.3	65.6	67.1	68.0	64.5	61.5	58.3								
OVERALL CALCULATED	72.0	85.1	89.2	91.9	92.7	92.2	91.3	89.5	86.8	85.6									
PND8	80.3	92.3	98.9	102.4	103.8	103.3	102.6	99.6	95.6	93.7									

ORIGINAL PAGE IS OF POOR QUALITY

	50	79.0	86.7	89.2	90.6	89.9	86.3	86.8	85.9	85.0	84.8							
	63	81.2	86.1	88.4	90.0	91.0	90.5	88.7	86.8	83.9	83.0							
SIDELINE 200. FT.	80	83.2	86.9	88.5	89.1	89.9	91.2	91.3	89.7	88.1	86.2							
(60.96 M)	100	81.0	87.0	89.6	90.5	90.6	91.1	92.0	91.7	88.8	88.9							
	125	76.6	82.1	87.0	88.7	88.0	88.1	87.0	86.1	84.2	83.0							
	160	71.8	78.7	82.2	83.6	83.2	83.0	82.9	81.6	79.9	78.0							
	200	72.3	78.6	82.1	83.7	84.4	83.9	83.4	82.0	79.8	78.4							
	250	69.9	76.9	81.4	83.9	85.0	84.1	83.5	82.2	79.5	77.3							
	315	67.3	74.2	80.3	83.0	83.4	82.5	81.7	80.3	77.4	75.0							
	400	65.6	74.3	80.7	83.6	83.8	82.7	81.4	79.8	76.8	74.7							
	500	64.0	73.4	79.0	84.3	83.7	81.9	80.6	79.0	75.7	73.3							
	630	68.2	76.7	81.9	86.4	86.3	84.8	82.5	81.0	76.9	74.0							
	800	73.6	82.0	87.5	92.2	91.9	90.7	87.4	85.4	81.0	78.4							
	1000	73.1	82.0	87.0	90.7	91.2	89.5	86.5	83.0	79.8	77.2							
	1250	72.7	81.1	86.2	89.7	90.3	88.6	86.8	83.4	79.6	77.3							
	1600	76.3	85.3	90.2	93.6	94.3	92.9	89.8	85.8	82.2	80.0							
	2000	70.6	80.9	86.1	89.4	89.7	89.2	86.4	84.2	80.0	77.7							
	2500	70.5	83.1	88.5	90.7	92.1	90.9	89.6	86.4	81.7	79.9							
	3150	70.0	82.3	87.8	89.8	90.7	90.6	90.0	86.2	81.6	79.9							
	4000	67.2	80.2	84.9	88.2	88.3	88.7	88.3	84.1	80.0	78.8							
	5000	65.5	79.8	85.1	88.1	89.2	89.2	88.9	85.9	82.0	80.9							
	6300	63.9	78.2	84.8	87.5	89.3	89.3	89.0	86.9	82.6	82.1							
	8000	59.2	77.3	84.2	87.3	88.3	89.0	89.4	86.6	82.2	80.5							
	10000	49.5	72.4	79.9	83.6	85.3	85.8	86.3	82.6	79.8	77.0							
OVERALL CALCULATED	89.0	96.0	100.0	102.6	103.2	102.5	101.5	99.3	96.3	95.1								
PND8	96.3	106.8	112.1	114.6	115.5	114.9	114.1	111.0	107.1	105.5								

Run 43/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 9 DAY 20 HR. 15.1

	MODEL SOUND PRESSURE LEVELS (59. EG. P. 70 PERCENT REL. HUM. DAY)											PNL					
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	
50																	
63																	
RADIAL 17. FT.																	
(5. M)	100	98.0	98.5	90.8	87.8	88.3	90.0	91.3	91.8	91.0	90.8						123.5
VEHICLE UTHS/M	125	98.8	98.0	96.8	95.8	95.0	96.0	95.8	94.5	93.8	94.5						129.3
CONFIG A+3	160	98.3	100.3	100.8	100.3	98.3	96.8	97.5	96.0	94.3	94.0						131.4
LCC SCHENECTADY	200	103.7	105.2	105.2	105.2	104.7	104.2	102.2	99.5	97.0	96.5						136.6
DATE 7/22/75	250	104.7	105.7	105.0	104.2	104.0	104.0	103.7	102.5	100.7	98.5						137.0
RUN 43/10	315	102.2	105.5	105.7	105.5	104.7	104.3	104.2	103.2	101.2	100.2						137.5
TAPE	400	99.0	101.8	103.2	103.5	102.2	101.5	100.0	99.3	97.0	96.0						134.4
BAR 29.7 HG	500	95.3	97.0	99.3	98.5	97.7	96.8	96.3	95.0	92.7	91.3						130.1
(00228, N/M2)	630	95.3	98.5	99.5	99.5	97.7	96.1	96.8	94.8	93.3	92.0						130.8
TAPB 76. DEG F	800	92.5	96.3	98.3	99.3	98.5	97.8	97.0	95.0	92.5	91.3						130.2
(298, DEG K)	1000	90.0	93.5	97.0	98.0	97.2	96.1	95.0	93.3	90.5	88.5						128.6
T-ET 45. DEG F	1250	89.5	93.5	97.8	99.2	98.7	96.6	95.1	93.3	90.0	88.3						129.3
(291, DEG K)	1600	88.3	92.6	98.0	98.2	97.7	95.6	93.8	92.6	89.2	87.5						129.3
HACT12.40 GH/M3	2000	89.0	92.8	96.3	99.5	98.7	96.6	94.1	92.2	89.5	87.1						129.0
(.01240 KG/M3)	2500	91.5	94.8	98.0	100.2	99.9	98.1	95.6	92.9	89.7	87.8						130.2
NFA 11624. RPM	3150	98.0	100.6	103.5	105.7	105.1	103.8	101.1	97.2	93.9	90.8						135.6
(1217. RAD/SEC)	4000	98.9	102.2	104.4	106.6	106.3	104.8	101.8	97.4	94.3	91.5						136.6
NFK 11438. RPM	5000	98.6	101.9	103.8	105.7	105.5	102.9	100.3	96.1	93.0	91.2						135.6
(1198. RAD/SEC)	6300	101.1	104.6	106.1	107.5	106.9	105.1	102.3	98.7	94.7	93.7						137.6
NFD 11517. RPM	8000	100.2	103.8	106.1	107.2	105.7	104.3	101.2	98.9	94.6	93.3						137.1
(1206. RAD/SEC)	10000	97.8	104.5	106.4	106.9	106.6	106.3	104.2	101.1	96.8	95.5						138.3
NO. OF BLADES 12	12500	98.2	104.5	106.6	106.6	106.7	105.8	104.8	100.8	96.3	95.4						138.4
FAN TIP SPEED	16000	96.1	103.0	104.5	104.8	104.1	103.7	103.1	98.8	95.1	95.0						136.6
1015. FT/SEC	20000	94.8	102.0	104.6	104.9	104.2	104.2	103.8	100.6	97.4	97.2						137.6
	25000	94.5	102.0	104.7	104.9	104.3	104.2	104.1	101.3	97.2	97.1						138.4
	31500	92.1	102.0	104.7	105.3	104.2	104.5	104.0	100.7	97.5	97.0						139.3
	40000	85.3	99.3	102.4	102.4	101.8	101.8	101.5	98.3	95.2	94.5						138.1
	50000	80.0	96.0	97.5	98.0	98.5	97.6	98.9	93.1	91.7	89.6						136.1
	63000	76.9	88.5	89.8	90.2	91.6	90.4	90.8	85.3	84.4	81.5						131.2
	80000	81.1	83.4	83.7	83.8	84.5	83.7	83.4	80.6	82.6	80.9						129.3
OVERALL MEASURED																	
OVERALL CALCULATED	112.6	116.1	117.6	118.3	117.7	116.8	115.6	112.8	110.0	108.9							158.1
PNR	123.0	126.2	128.0	129.5	129.0	127.6	125.4	122.2	119.3	117.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM. WAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
	50	68.4	74.7	77.9	79.1	78.3	77.6	76.8	77.4	75.8	74.9			
SIDELINE 500. FT.	63	73.4	79.4	82.1	83.9	84.6	84.9	83.4	80.7	78.1	77.2			
(152.40 M)	80	73.8	79.5	81.5	82.6	83.6	84.4	84.6	83.5	81.6	78.9			
NFA 3274, RPM	100	70.9	78.8	82.0	83.6	84.1	84.5	85.0	84.1	81.9	80.5			
(343. RAD/SEC)	125	67.1	74.7	79.2	81.4	81.4	81.6	80.5	79.9	77.5	76.0			
NFK 3222, RPM	160	62.8	70.3	74.9	76.1	76.7	75.6	76.6	75.5	73.0	71.1			
(337. RAD/SEC)	200	62.2	70.7	74.8	76.9	77.5	77.7	76.9	75.0	73.4	71.6			
NFD 3244, RPM	250	58.9	68.0	73.2	76.3	77.0	77.2	76.9	75.1	72.4	70.6			
(340. RAD/SEC)	315	55.8	64.8	71.6	74.8	75.4	75.2	74.7	73.1	70.2	67.6			
AIRFLOW RATIO	400	54.6	64.3	72.0	75.7	76.7	75.5	74.5	72.9	69.4	67.2			
WF/WH 12.60	500	52.7	62.9	69.9	74.4	75.4	74.2	73.0	72.0	68.4	66.2			
	630	52.7	62.6	69.7	75.3	76.1	74.9	73.0	71.3	68.4	65.4			
	800	54.3	64.0	71.0	75.8	76.9	76.1	74.2	71.7	68.3	65.0			
VEHICLE UTNSIM	1000	59.9	69.1	76.0	80.7	81.8	81.5	79.4	75.7	72.2	68.5			
CONFIG A+3	1250	59.8	70.1	76.4	81.1	82.6	82.1	79.8	75.6	72.3	68.8			
LOC SCHENECTADY	1600	55.2	66.9	75.1	79.7	81.2	79.8	77.8	73.8	70.5	68.1			
DATE 7/22/75	2000	59.5	70.7	76.8	80.9	82.2	81.6	79.4	76.0	71.8	70.1			
RUN 43/10	2500	57.2	69.0	76.1	80.1	80.5	80.3	77.9	75.8	71.4	69.3			
TAPE	3150	52.8	66.3	75.3	78.9	80.7	81.7	80.3	77.4	72.9	70.9			
FAN TIP SPEED	4000	50.1	66.3	73.9	77.4	79.6	80.2	79.9	76.2	71.5	69.8			
1015. FT/SEC	5000	46.4	63.9	71.2	75.1	76.7	77.7	77.9	73.9	69.9	69.0			
	6300	46.0	59.4	68.7	73.1	75.0	76.6	76.9	74.2	70.7	69.6			
	8000	51.7	54.2	64.8	69.8	72.3	74.1	75.0	72.6	68.1	67.0			
	10000	18.2	46.9	59.4	65.8	68.4	71.0	71.7	68.8	65.3	63.5			
OVERALL CALCULATED		79.1	86.1	90.1	92.9	93.8	93.9	93.1	91.1	88.4	86.6			
PNDB		81.7	93.4	100.0	103.7	105.1	105.5	104.5	101.7	97.9	95.9			

	50	78.2	83.7	86.5	87.6	88.6	85.8	87.0	85.6	83.8	83.1			
	63	83.5	88.6	90.9	92.5	93.0	93.3	91.7	89.1	86.4	85.5			
SIDELINE 200. FT.	80	84.2	88.9	90.5	91.3	92.2	92.9	93.1	92.0	90.1	87.4			
(60.96 M)	100	81.5	88.5	91.1	92.5	92.9	93.1	93.5	92.7	90.5	89.1			
	125	78.1	84.6	88.5	90.4	90.3	90.3	89.2	88.6	86.2	84.8			
	160	74.1	80.5	84.4	85.3	85.7	85.5	85.4	84.3	81.9	80.0			
	200	73.8	81.1	84.6	86.2	86.6	86.7	85.9	84.0	82.3	80.7			
	250	70.9	78.7	83.2	85.9	86.3	86.4	86.0	84.2	81.5	79.8			
	315	68.1	75.7	81.8	84.5	84.9	84.5	83.9	82.3	79.4	77.0			
	400	67.3	75.6	82.4	85.6	86.3	85.0	83.9	82.3	78.8	76.7			
	500	65.8	74.4	80.5	84.5	85.2	83.9	82.6	81.5	78.0	75.8			
	630	66.2	74.5	80.6	85.6	86.1	84.8	82.8	81.0	78.1	75.3			
	800	68.3	76.2	82.2	86.2	87.2	86.2	84.2	81.6	78.3	75.9			
	1000	74.5	81.7	87.5	91.5	92.3	91.8	89.6	85.8	82.4	78.8			
	1250	75.0	83.2	88.2	92.3	93.3	92.6	90.2	85.9	82.7	79.3			
	1600	74.1	82.5	87.4	91.2	92.3	90.6	88.4	84.4	81.2	78.9			
	2000	76.2	84.9	89.4	92.8	93.6	92.7	90.4	86.9	82.7	81.3			
	2500	74.8	83.8	89.3	92.4	92.2	91.7	89.2	87.0	82.6	80.8			
	3150	71.7	84.0	89.3	91.8	93.0	93.6	92.0	89.1	84.6	82.8			
	4000	71.0	83.4	88.9	91.2	92.7	92.8	92.3	88.5	83.9	82.4			
	5000	68.4	81.7	86.8	89.4	90.2	90.7	90.7	86.6	82.7	82.0			
	6300	65.3	79.6	86.1	88.8	89.9	90.9	90.9	88.1	84.7	83.8			
	8000	62.2	77.8	85.0	87.9	89.2	90.3	90.8	88.2	83.0	83.1			
	10000	55.9	75.5	83.4	87.1	88.1	89.8	89.9	86.9	83.5	82.3			
OVERALL CALCULATED		90.2	97.1	101.1	103.6	104.4	104.3	103.4	101.0	98.1	96.4			
PNDB		98.3	108.1	113.3	116.1	117.0	117.1	116.1	113.1	109.3	107.6			

Run 43/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE = MONTH 7 DAY 29 HR. 13.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P., 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																				
		20.		30.		40.		50.		60.		70.		80.		90.		100.		110.		
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.79)	(2.96)	(3.14)	(3.31)	(3.49)	(3.67)
	50	69.2	74.0	76.4	78.4	77.8	76.9	77.3	76.4	74.3	74.1											
	63	74.4	79.6	82.8	84.1	85.1	85.2	83.6	81.2	78.6	77.7											
SIDELINE 500. FT.	80	74.6	80.0	81.8	83.1	83.9	84.7	84.9	83.0	81.4	78.4											
	100 (152.46 M)	71.1	79.3	82.5	84.1	83.9	84.2	84.5	83.6	81.9	80.5											
NFA 3272. RPM	125	67.6	75.2	79.4	81.6	81.9	81.6	80.8	80.2	78.0	76.3											
	160 (343. RAD/SEC)	63.0	70.8	75.4	76.6	76.7	77.1	77.1	76.5	73.5	72.6											
NFK 3223. RPM	200	63.5	71.2	74.8	77.1	77.7	78.2	77.9	76.3	74.6	72.9											
	250 (337. RAD/SEC)	61.4	69.0	74.0	77.1	77.2	77.9	77.4	76.3	73.6	71.9											
NFD 3244. RPM	315	57.0	66.6	71.4	74.3	74.9	75.2	74.7	74.1	70.9	68.4											
	400 (340. RAD/SEC)	56.1	65.1	72.5	76.0	76.4	75.7	74.2	73.4	69.7	67.9											
AIRFLOW RATIO	500	53.0	63.1	70.4	74.4	75.6	74.7	73.5	72.5	69.2	66.7											
	630 NF/WM 12.60	52.2	62.9	70.0	75.0	75.8	75.4	74.0	71.8	68.9	66.2											
	800	52.8	64.0	70.5	75.1	76.7	75.9	74.2	73.0	69.3	66.1											
VEHICLE CONFIG	1000	57.7	67.9	74.7	80.2	81.0	81.3	78.7	75.4	71.5	68.5											
	1250	58.6	69.4	76.1	80.4	81.8	81.6	78.5	74.8	71.8	68.3											
LGC SCHENECTADY	1600	56.5	68.2	74.1	78.4	80.5	79.1	76.5	73.8	70.5	67.6											
DATE 7/22/75	2000	58.0	69.9	76.1	80.1	81.9	81.0	79.4	76.5	72.0	69.9											
RUN: 43/11	2500	55.5	68.7	75.8	79.6	80.7	80.5	78.4	75.8	71.6	69.8											
TAPE	3150	51.8	68.1	75.3	78.9	81.2	81.4	80.3	77.9	73.2	71.2											
FAH TIP SPEED	4000	48.9	66.3	73.7	77.6	79.6	80.2	79.7	76.7	72.0	70.3											
	5000	45.9	63.8	71.2	75.3	77.2	78.2	77.9	74.2	70.1	69.2											
	6300	39.2	59.6	68.7	73.5	75.2	76.6	77.4	74.2	70.4	69.8											
	8000	31.4	54.1	65.0	70.3	72.8	74.1	74.7	72.5	67.6	67.9											
	10000	17.9	46.8	59.6	66.0	69.1	71.4	71.6	69.5	65.4	63.7											
OVERALL CALCULATED	79.7	86.4	90.3	92.8	93.8	93.9	93.0	91.1	88.5	86.8												
	PNDB	81.1	93.3	99.9	103.6	105.3	105.5	104.4	102.1	98.1	96.2											

ORIGINAL PAGE IS OF POOR QUALITY.

	50	79.0	83.0	85.0	86.8	86.1	85.1	85.5	84.6	82.5	82.3											
	63	84.5	88.8	91.6	92.7	93.5	93.5	91.9	89.6	86.9	86.0											
SIDELINE 200. FT.	80	85.0	89.4	90.8	91.8	92.4	93.2	93.3	91.5	89.8	86.9											
	100 (60.96 M)	81.8	89.0	91.6	93.0	92.6	92.9	93.0	92.2	90.5	89.1											
	125	78.6	85.1	88.8	90.7	90.8	90.3	89.5	88.9	86.7	85.0											
	160	74.3	81.0	84.9	85.8	85.7	86.0	85.9	85.3	82.4	81.5											
	200	75.1	81.6	84.6	86.5	86.9	87.2	86.9	85.2	83.6	81.9											
	250	73.4	79.7	83.9	86.6	86.5	87.1	86.5	85.4	82.7	81.1											
	315	69.3	77.5	81.5	84.0	84.4	84.5	83.9	83.3	80.2	77.7											
	400	68.8	76.3	82.9	85.9	86.1	85.2	83.6	82.8	79.1	77.4											
	500	66.0	74.7	81.0	84.5	85.5	84.4	83.1	82.0	78.7	76.3											
	630	65.7	74.7	80.9	85.4	85.8	85.3	83.8	81.5	78.6	76.0											
	800	68.8	76.2	81.7	85.7	86.9	85.9	84.2	82.9	79.3	76.1											
	1000	72.2	80.5	86.3	91.0	91.5	91.6	88.8	85.5	81.6	78.8											
	1250	73.7	82.4	88.0	91.5	92.6	92.1	88.9	85.1	82.2	78.6											
	1600	72.4	81.8	86.4	90.0	91.6	89.9	87.2	84.4	81.2	78.6											
	2000	74.7	84.1	88.9	92.1	93.4	92.7	90.4	87.4	83.0	81.0											
	2500	73.0	83.5	89.0	91.9	92.5	92.0	89.7	87.0	82.8	81.3											
	3150	70.7	83.7	89.2	91.8	93.5	93.3	92.0	89.6	84.9	83.1											
	4000	69.7	83.4	88.6	91.4	92.7	92.8	92.1	89.0	84.4	82.9											
	5000	67.9	81.7	86.7	89.6	90.7	91.2	90.7	86.9	82.9	82.2											
	6300	64.5	79.8	86.1	89.3	90.1	90.9	91.3	88.1	84.4	84.1											
	8000	61.9	77.8	85.2	88.4	89.6	90.2	90.5	88.2	83.6	84.1											
	10000	55.6	75.4	83.5	87.3	88.8	90.2	89.9	87.6	83.7	82.4											
OVERALL CALCULATED	90.6	97.2	101.1	103.6	104.3	104.3	103.3	101.1	98.2	96.6												
	PNDB	97.4	108.0	113.2	116.0	117.2	117.1	115.9	113.5	109.5	107.9											

Run 43/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 15.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. P., 70 PERCENT REL. HUM. DRY)										
	ANGLES FROM INLET IN DEGREES (AND RADIANs)									
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	FREQ. (3.35)	(10.52)	(10.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	0.	10.	10.	10.	10.	10.	10.	10.	10.	10.
SIDELINE 500. FT.	50	68.4	75.7	79.1	80.4	79.3	76.9	77.5	76.7	75.3
(152.40 M)	63	71.9	78.9	79.8	80.9	82.4	82.2	80.6	78.0	75.9
	80	73.1	77.5	79.8	80.9	81.6	82.9	81.3	79.6	77.4
NFA 2958. RPM	100	70.4	77.6	80.7	81.9	81.9	82.5	83.2	82.6	80.4
(310. RAD/SEC)	125	65.8	72.2	77.9	79.4	79.9	79.6	79.0	77.7	75.8
NFK 2914. RPM	160	61.3	68.6	72.9	74.1	74.2	75.3	74.8	74.2	71.8
(305. RAD/SEC)	200	61.0	68.2	72.6	74.6	75.5	76.4	75.1	73.8	72.1
NFD 3244. RPM	250	58.4	65.5	71.5	74.3	74.7	75.2	74.9	73.6	71.1
(340. RAD/SEC)	315	54.5	63.3	69.4	72.0	72.4	72.4	72.2	71.1	67.9
AIRFLOW RATIO	400	53.4	61.8	69.7	72.5	73.2	72.2	71.5	70.4	67.2
WF/WM 12.60	500	51.0	60.4	68.1	72.4	72.6	72.0	70.8	69.0	66.2
	630	52.2	63.4	70.0	75.0	75.3	75.3	73.0	71.3	67.6
	800	57.6	68.0	76.7	81.3	81.7	80.6	78.0	76.0	71.8
VEHICLE UTMSIM	1000	55.6	66.6	74.2	79.1	79.7	78.3	75.7	72.7	68.9
CONFIG A*3	1250	54.8	65.6	73.3	77.8	79.3	78.1	76.0	73.3	69.8
LOC SCHENECTADY	1600	59.1	71.9	78.4	83.3	83.8	82.6	80.2	75.5	72.5
DATE 7/22/75	2000	52.8	66.2	73.3	76.7	78.0	78.3	76.7	73.8	69.1
RUN 43/12	2500	51.7	67.8	75.2	78.4	80.3	80.4	79.1	76.2	70.9
TAPE	3150	49.9	66.3	73.4	77.6	78.4	78.9	78.8	74.8	70.1
FAN TIP SPEED	4000	45.3	62.6	69.9	74.2	75.4	75.6	75.8	71.8	68.3
917. FT/SEC	5000	42.0	61.2	69.4	74.0	75.2	76.1	76.3	73.6	69.8
	6300	37.8	57.5	67.1	72.4	74.2	74.9	75.5	72.7	68.6
	8000	27.4	53.3	63.7	69.6	71.6	73.3	73.8	71.1	67.1
	10000	11.2	43.7	55.9	62.2	66.0	67.0	68.0	64.7	61.7
OVERALL CALCULATED	78.1	84.6	89.1	91.8	92.4	92.3	91.5	89.5	86.9	85.4
PND8	79.4	91.7	96.8	102.6	103.6	103.7	102.9	100.0	95.9	94.1

SIDELINE 200. FT.	50	78.2	84.7	87.7	88.8	87.6	85.1	85.8	84.9	83.5
(60.96 M)	63	82.0	88.1	88.6	89.5	90.8	90.5	88.9	86.3	84.2
	80	83.5	88.9	88.8	89.6	90.2	91.4	91.3	89.7	88.1
	100	81.0	87.3	89.9	90.8	93.6	91.1	91.8	91.2	89.0
	125	76.8	82.1	87.3	88.4	88.8	88.3	87.7	86.4	84.5
	160	72.6	78.7	82.4	83.3	83.2	84.2	83.7	83.1	80.6
	200	72.6	78.6	82.3	84.0	84.6	85.4	84.1	82.7	81.1
	250	70.4	76.2	81.4	83.9	84.0	84.4	84.0	82.7	80.2
	315	66.8	74.2	79.5	81.5	81.9	81.8	81.4	80.3	77.2
	400	66.1	73.1	80.2	82.4	82.8	81.7	80.9	79.8	76.6
	500	64.0	71.9	78.8	82.5	82.5	81.6	80.3	78.5	75.7
	630	65.7	75.2	80.9	85.4	85.3	84.8	82.8	81.0	77.4
	800	71.6	80.3	88.0	92.0	91.9	90.7	87.9	85.9	81.7
	1000	70.2	79.2	85.7	90.0	90.2	88.5	85.8	82.8	79.1
	1250	69.9	78.6	85.2	89.0	90.0	88.6	86.4	83.6	80.1
	1600	75.0	85.5	90.7	94.8	94.8	93.4	90.8	88.1	83.2
	2000	69.6	80.4	86.1	88.6	89.4	89.4	87.1	84.7	80.0
	2500	69.3	82.6	88.5	90.7	92.1	91.9	90.3	87.4	82.2
	3150	68.8	82.0	87.3	90.5	90.7	90.8	90.5	86.5	81.8
	4000	66.2	79.7	84.9	87.9	83.5	88.2	88.2	84.1	80.7
	5000	64.0	79.0	85.0	88.3	88.7	89.2	89.1	86.3	82.4
	6300	63.1	77.6	84.5	88.2	89.0	89.2	89.4	86.6	82.5
	8000	57.9	77.0	83.9	87.7	88.4	89.4	89.5	86.7	82.8
	10000	48.9	72.3	79.8	83.5	85.7	85.7	86.2	82.8	79.9
OVERALL CALCULATED	88.9	95.5	99.9	102.6	103.0	102.7	101.8	99.4	96.5	95.1
PND8	95.3	106.3	111.8	114.8	115.3	115.1	114.4	111.2	107.4	105.8

Run 43/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 HR. 19.1															
		MODEL SOUND PRESSURE LEVELS (99. DEG. F, 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.97)	(1.25)	(1.62)	(2.09)	(2.67)	(3.36)	(4.18)	(5.05)	(5.98)	(6.98)	(8.05)	(9.20)	L
	50																
	63																
RADIAL	17. FT.																
	(5. M)	100	97.5	94.0	87.0	86.3	87.3	89.3	90.3	91.0	90.3	89.8					124.3
VEHICLE	UTWSIM	125	98.0	95.5	94.8	94.5	93.5	94.3	94.5	93.3	92.3	93.5					137.8
CONFIG	A+3	160	99.0	102.0	102.0	102.3	100.5	96.8	97.0	95.5	94.0	94.3					132.5
LOC	SCHENECTADY	200	101.0	101.5	101.0	101.0	101.0	99.7	98.0	95.5	93.2	92.2					132.5
DATE	7/22/75	250	103.7	103.5	102.7	101.5	101.0	101.7	101.5	100.2	98.0	96.7					134.7
RLH	43/13	315	101.2	103.5	103.5	102.5	101.5	101.3	101.5	101.2	99.0	98.7					135.0
TAFE		400	97.3	98.5	100.7	100.7	99.0	98.0	96.5	95.5	94.2	93.0					131.4
FAR	29.7 HG	500	93.5	95.0	96.3	94.8	93.7	93.5	93.3	92.3	90.0	89.3					126.9
	(100228. N/M ²)	630	92.8	95.3	96.0	95.8	95.5	94.6	93.5	92.3	90.3	89.5					127.5
TAMB	75. DEG F	800	90.8	93.0	95.5	95.8	94.7	94.6	93.5	92.0	89.5	88.0					127.0
	(297. DEG K)	1000	88.5	90.8	93.5	93.7	93.0	92.6	91.5	89.8	87.0	85.5					124.9
TNET	65. DEG F	1250	87.0	90.5	94.8	95.5	93.7	92.8	91.3	89.3	86.5	84.8					125.5
	(291. DEG K)	1600	85.8	89.3	94.0	95.7	94.2	92.3	90.6	89.1	86.0	84.3					125.3
HACT	12.69 GH/M ³	2000	85.5	90.3	94.0	96.7	95.2	93.4	91.1	88.4	86.0	84.1					125.9
	(.61269 KG/M ³)	2500	88.3	93.6	97.8	100.0	98.7	96.6	93.9	91.7	88.5	86.1					129.2
NFA	10032. RPM	3150	93.5	98.8	102.7	105.7	104.1	102.8	98.6	95.2	91.7	88.8					134.8
	(1650. RAD/SEC)	4000	92.4	96.7	101.2	103.6	102.0	99.3	95.8	92.4	89.3	87.2					132.3
NFK	9881. RPM	5000	92.1	97.2	101.1	102.7	102.0	100.2	97.3	93.8	90.0	88.2					132.4
	(1035. RAD/SEC)	6300	95.1	101.9	105.3	106.5	105.4	102.6	98.6	94.9	90.7	89.4					135.8
NFD	11517. RPM	8000	91.7	98.8	101.9	102.4	102.2	100.7	97.7	94.6	90.4	89.0					133.0
	(1206. RAD/SEC)	10000	92.8	101.0	104.2	104.4	103.6	102.8	100.2	96.8	92.1	90.8					135.1
NO. OF BLADES	18	12500	93.2	101.5	103.6	104.4	103.4	102.1	100.0	97.0	91.8	90.9					135.0
FAN TIP SPEED	16000	20000	90.8	99.5	101.5	102.1	101.4	99.9	98.6	94.3	90.3	90.2					133.3
	276. FT/SEC	25000	89.7	98.7	102.1	102.3	101.7	100.9	100.3	96.3	92.9	92.4					134.5
		31500	90.5	98.7	101.9	102.3	102.2	101.4	100.0	97.5	93.1	93.5					135.4
		40000	88.0	99.0	101.9	102.5	101.6	101.4	100.2	97.1	93.0	92.2					136.2
		50000	82.2	96.5	98.8	98.8	98.9	97.9	97.9	93.5	90.4	89.1					134.5
		63000	76.8	91.9	94.1	93.9	94.9	93.5	93.8	88.7	86.8	84.4					131.9
		80000	75.5	85.1	85.6	86.5	87.6	86.4	86.1	81.3	80.7	78.0					127.2
		100000	80.8	83.2	82.2	82.8	82.6	82.6	83.1	80.3	82.4	80.6					128.6
	OVERALL MEASURED																
	OVERALL CALCULATED	110.1	113.2	115.2	115.8	115.0	113.7	112.0	109.6	106.7	106.0						147.2
	PNCB	119.0	123.3	126.2	127.7	126.5	125.1	122.1	119.4	116.3	114.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F, 70 PERCENT REL. HUM. WAY)

PROC. DATE = MONTH 7 DAY 29 HR. 15.1

	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	
SIDELINE 500. FT. (152.40 M)	50	69.2	70.7	72.8	75.6	77.8	79.1	81.1	80.6	77.6	78.3	78.9	79.1	76.9	75.3	75.1	72.9	79.0	73.0	69.1	67.4
NFA 2826. RPM (296. RAD/SEC)	100	69.9	65.3	76.8	79.7	80.6	80.9	80.4	81.5	82.2	82.1	82.1	79.7	79.0	77.2	72.9	79.0	73.0	69.1	67.4	64.6
NFK 2783. RPM (291. RAD/SEC)	125	61.0	67.6	71.5	76.7	78.4	78.2	78.1	78.1	77.0	76.2	76.2	74.6	74.6	72.7	70.3	69.1	67.4	64.6	63.7	61.0
NFD 3244. RPM (340. RAD/SEC)	160	59.7	67.4	70.5	72.8	72.8	73.2	73.9	73.6	73.4	72.5	72.5	70.4	69.1	67.4	64.6	63.7	61.0	60.1	57.4	55.7
AIRFLOW RATIO WF/WN 12.60	250	57.2	64.7	70.5	72.8	72.8	71.2	71.7	71.7	70.7	69.6	68.5	66.7	64.6	63.7	61.0	60.1	57.4	55.7	54.0	51.3
VEHICLE CONFIG UTHSIM A+3	315	54.3	62.1	68.1	70.5	71.2	71.9	71.9	71.0	69.8	68.5	65.9	63.7	62.9	60.1	59.2	56.5	54.8	53.1	50.4	48.7
LCC SCHENECTADY DATE 7/22/75	400	52.1	61.3	69.0	72.0	71.9	71.9	71.0	70.0	68.8	68.5	65.9	63.7	62.9	60.1	59.2	56.5	54.8	53.1	50.4	48.7
RUN: 43/13	500	50.2	59.6	67.9	72.0	71.9	71.7	71.0	70.0	68.8	68.5	65.9	63.7	62.9	60.1	59.2	56.5	54.8	53.1	50.4	48.7
TAPE	630	51.9	63.4	71.2	75.8	75.8	75.8	75.0	73.8	72.8	72.0	69.4	67.4	66.9	64.6	63.7	61.0	59.2	57.4	55.7	54.0
FAN TIP SPEED 876. FT/SEC	800	56.3	68.0	75.7	81.1	81.1	80.9	80.9	77.3	76.2	75.3	72.0	70.9	69.4	67.4	65.6	63.7	61.0	59.2	57.4	55.7
OVERALL CALCULATED	1000	54.4	65.3	73.7	78.6	78.6	78.7	77.0	74.2	72.7	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
PNDdB	1250	53.0	65.1	73.1	77.3	77.3	77.0	77.6	75.3	74.2	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	1600	55.9	68.9	76.6	80.5	80.5	81.3	79.0	76.2	75.3	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	2000	50.1	64.9	72.5	75.9	75.9	77.5	74.9	72.0	71.1	70.1	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3	50.6
VEHICLE CONFIG	2500	50.0	65.3	74.2	77.4	77.4	78.6	76.9	74.1	73.6	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	3150	48.4	65.6	74.2	77.4	77.4	78.6	76.9	74.1	73.6	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	4000	43.1	61.6	69.2	73.2	73.2	74.7	74.6	74.1	73.6	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	5000	40.5	60.0	69.2	73.2	73.2	74.7	74.6	74.1	73.6	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	6300	36.3	58.0	66.6	71.1	71.1	73.7	74.4	74.0	73.6	72.0	68.3	67.4	65.6	63.7	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	8000	26.1	52.1	63.0	68.4	68.4	70.6	72.3	72.0	71.7	71.9	68.1	66.8	64.9	63.0	61.0	59.2	57.4	55.7	54.0	52.3
VEHICLE CONFIG	10000	9.7	42.7	54.9	60.7	60.7	64.5	65.7	65.0	64.8	64.8	60.1	58.9	56.9	55.0	53.0	51.0	49.0	47.0	45.0	43.0
VEHICLE CONFIG	OVERALL CALCULATED	77.6	64.0	88.2	90.8	91.4	91.2	90.2	88.5	88.4	85.6	83.0	81.0	79.2	77.5	75.7	73.9	72.1	70.3	68.5	66.7
VEHICLE CONFIG	PNDdB	77.5	90.6	97.9	101.4	102.4	102.4	101.1	98.4	94.1	92.4	88.5	85.6	83.0	81.0	79.2	77.5	75.7	73.9	72.1	70.3

ORIGINAL MADE IS
FOR ROOM QUALITY

SIDELINE 200. FT. (60.96 M)	50	79.0	85.5	87.7	89.6	88.9	85.8	86.5	85.1	83.5	83.3	81.3	81.3	79.0	77.5	76.9	75.2	73.5	71.8	70.1	68.4
	63	80.7	84.8	86.6	88.2	89.3	88.8	87.4	85.1	83.5	82.7	81.3	80.6	78.3	76.7	75.2	73.5	71.8	70.1	68.4	66.7
	80	83.2	86.7	88.3	89.6	89.2	90.7	90.8	89.7	87.3	85.7	84.6	83.6	81.6	79.9	78.0	76.2	74.5	72.8	71.1	69.4
	100	80.5	86.5	88.9	89.5	89.6	90.1	90.8	89.7	87.3	85.7	84.9	83.5	81.6	79.1	78.0	76.2	74.5	72.8	71.1	69.4
	125	76.3	81.4	86.0	87.7	87.0	86.8	85.7	84.9	83.5	82.4	81.6	79.1	78.0	76.2	74.5	72.8	71.1	69.4	67.7	66.0
	160	72.3	77.7	81.4	81.5	81.7	82.2	82.4	81.6	79.1	78.0	76.2	74.5	72.8	71.1	69.4	67.7	66.0	64.3	62.6	60.9
	200	71.3	77.8	81.4	82.5	83.4	83.4	82.6	81.5	79.1	78.0	76.2	74.5	72.8	71.1	69.4	67.7	66.0	64.3	62.6	60.9
	250	69.1	75.4	80.4	82.4	82.5	83.4	82.6	81.5	79.1	78.0	76.2	74.5	72.8	71.1	69.4	67.7	66.0	64.3	62.6	60.9
	315	66.6	73.0	78.3	80.3	80.7	83.4	82.5	81.2	78.8	78.5	76.6	74.9	73.2	71.5	69.8	68.1	66.4	64.7	63.0	61.3
	400	64.8	72.6	79.4	81.9	81.7	81.2	80.4	78.8	75.9	74.0	72.3	70.6	68.9	67.2	65.5	63.8	62.1	60.4	58.7	57.0
	500	63.3	71.2	78.5	82.0	81.7	80.6	79.3	78.3	75.3	73.2	72.0	70.9	69.4	67.4	65.6	63.7	61.0	59.2	57.4	55.7
	630	65.5	75.2	82.1	86.1	86.1	84.8	82.5	80.5	77.1	74.3	72.6	70.9	69.4	67.4	65.6	63.7	61.0	59.2	57.4	55.7
	800	70.3	80.3	87.0	91.7	91.4	90.9	87.2	83.9	80.2	76.9	75.2	73.5	71.8	70.1	68.4	66.7	65.0	63.3	61.6	60.0
	1000	68.9	78.0	85.2	89.5	89.2	87.3	84.3	81.0	77.8	75.2	73.5	71.8	70.1	68.4	66.7	65.0	63.3	61.6	60.0	58.3
	1250	68.2	78.1	84.9	88.5	89.0	87.3	84.3	81.0	77.8	75.2	73.5	71.8	70.1	68.4	66.7	65.0	63.3	61.6	60.0	58.3
	1600	71.8	82.5	88.9	92.1	92.3	88.1	85.6	82.4	78.4	76.1	74.4	72.7	71.0	69.3	67.6	65.9	64.2	62.5	60.8	59.1
	2000	66.8	79.1	85.3	87.9	88.9	88.4	86.8	83.3	78.9	76.1	74.4	72.7	71.0	69.3	67.6	65.9	64.2	62.5	60.8	59.1
	2500	67.5	81.1	87.5	89.7	90.3	90.4	88.3	85.1	80.2	76.7	74.4	72.7	71.0	69.3	67.6	65.9	64.2	62.5	60.8	59.1
	3150	67.3	81.3	86.6	89.5	89.9	89.6	88.0	85.2	80.2	76.4	74.4	72.7	71.0	69.3	67.6	65.9	64.2	62.5	60.8	59.1
	4000	63.9	78.7	84.2	86.9	87.7	87.2	86.0	82.4	78.2	75.5	73.8	72.1	70.4	68.7	67.0	65.3	63.6	61.9	60.2	58.5
	5000	62.5	77.8	84.8	87.3	88.1	87.4	86.4	82.4	78.2	75.5	73.8	72.1	70.4	68.7	67.0	65.3	63.6	61.9	60.2	58.5
	6300	61.6	76.9	84.0	86.9	88.5	88.4	87.4	84.4	80.2	77.5	75.8	74.1	72.4	70.7	69.0	67.3	65.6	63.9	62.2	60.5
	8000	56.7	75.7	83.1	86.5	87.4	86.4	85.7	82.7	78.5	75.8	74.1	72.4	70.7	69.0	67.3	65.6	63.9	62.2	60.5	58.8
	10000	47.4	71.3	78.8	82.6	84.2	84.5	83.8	81.0	77.7	75.0	73.3	71.6	69.9	68.2	66.5	64.8	63.1	61.4	59.7	58.0
	OVERALL CALCULATED	83.3	94.7	99.1	101.6	101.9	101.5	100.3	98.2	95.2	93.9	92.6	91.3	89.6	87.9	86.2	84.5	82.8	81.1	79.4	77.7
	PNDdB	93.5	105.4	111.0	113.8	114.3	113.9	112.5	109.8	105.6	104.2	102.8	101.4	99.7	98.0	96.3	94.6	92.9	91.2	89.5	87.8

Run 43/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 HR. 15.2																	
		MODEL SOUND PRESSURE LEVELS (99. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
			(10.35)	(10.52)	(10.70)	(10.87)	(11.05)	(11.22)	(11.40)	(11.57)	(11.75)	(11.92)	(12.10)	(12.28)	(12.46)	(12.64)	(12.82)	(13.00)	(13.18)
		50																	
		63																	
RADIAL	17. FT.	80																	
	(5. MI	100	95.8	91.3	85.8	85.5	86.8	88.5	90.3	90.8	89.8	89.3							123.3
VEHICLE	UTMSIM	125	96.8	94.5	94.0	93.8	93.0	94.0	94.3	92.8	92.3	93.1							127.3
CONFIG	A+3	160	97.3	100.0	101.5	101.3	98.8	98.5	97.3	95.5	94.5	94.8							131.7
LOC	SCHENECTADY	200	99.5	99.7	99.5	100.0	100.0	99.5	97.2	94.7	92.3	91.3							131.9
DATE	7/22/75	250	103.0	102.0	101.2	100.2	100.0	100.7	100.5	99.5	97.3	95.0							133.6
RUN	43/14	315	100.7	102.7	102.7	101.7	100.7	100.5	101.2	100.5	98.5	98.6							134.4
TAPE		400	96.8	97.3	99.0	99.5	98.5	97.0	96.0	95.0	93.3	92.3							130.4
BAR	29.7 HG	500	92.3	93.8	94.8	93.5	92.5	92.5	93.3	91.3	89.3	88.3							125.9
	(100228. N/M2)	630	91.8	94.0	94.5	94.8	94.5	94.3	93.0	91.3	89.5	88.6							126.6
TAMB	74. DEG F	800	90.5	92.0	94.5	94.8	94.5	93.6	92.5	91.3	88.5	87.3							128.1
	(296. DEG K)	1000	86.8	89.5	93.2	93.0	91.7	91.1	90.5	88.8	86.0	84.1							123.9
T-ET	65. DEG F	1250	86.0	89.0	94.0	94.5	93.2	91.6	90.3	88.6	85.8	83.6							124.6
	(291. DEG K)	1600	84.3	88.8	93.0	94.7	93.7	91.8	89.8	87.9	85.0	83.4							124.5
HACT	12.98 GM/M3	2000	84.8	89.3	93.0	96.5	94.5	92.1	90.1	87.9	85.5	83.1							125.2
	(.01298 KG/M3)	2500	89.7	84.3	98.8	100.7	98.7	97.1	94.6	91.2	88.2	85.6							129.7
NFA	9677. RPM	3150	93.0	98.1	102.5	104.7	102.4	101.6	98.6	94.9	91.0	87.9							133.6
	(1013. RAD/SEC)	4000	90.6	96.5	100.4	102.6	101.3	98.5	94.6	91.4	88.4	86.3							131.5
NFK	9540. RPM	5000	91.3	97.2	101.1	103.2	102.0	100.4	97.5	93.6	90.3	87.2							132.6
	(999. RAD/SEC)	6300	95.1	100.1	104.3	105.7	103.9	101.9	98.1	93.7	90.2	86.5							134.8
NFD	11517. RPM	8000	91.6	98.0	101.6	102.4	101.4	100.2	97.2	93.8	89.9	86.1							132.5
	(1206. RAD/SEC)	10000	91.8	99.7	103.2	104.3	103.1	101.5	98.9	95.3	91.4	89.8							134.3
NO. OF BLADES	18	12500	92.4	100.3	103.1	103.4	102.4	101.3	99.5	95.5	90.9	89.4							134.2
FAN TIP SPEED		16000	90.5	98.5	100.7	101.3	99.8	98.6	97.6	93.5	89.6	89.0							132.3
	845. FT/SEC	20000	69.2	97.7	101.1	102.0	100.2	99.6	99.0	95.3	91.9	91.4							133.5
		25000	89.4	97.7	101.1	101.5	100.9	100.4	99.2	96.4	92.1	91.5							134.4
		31500	87.5	98.1	100.6	101.4	100.3	99.9	99.1	96.1	91.9	90.7							134.5
		40000	81.1	94.9	97.4	97.9	97.5	97.0	96.8	92.1	89.0	87.3							133.3
		50000	75.7	90.7	92.2	92.7	93.3	91.6	92.4	87.1	85.0	82.1							130.3
		63000	75.5	83.6	84.8	84.5	86.4	84.5	85.1	79.4	77.3	73.6							125.6
		80000	80.6	82.9	81.9	82.3	82.5	82.2	82.9	80.0	72.6	71.1							127.4
OVERALL MEASURED																			
OVERALL CALCULATED			109.1	112.0	114.3	115.2	113.9	112.8	111.4	108.8	106.1	105.2							146.3
PNDR			118.1	122.1	125.5	127.0	125.3	124.2	121.8	118.9	115.7	113.7							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT SPL. NUM. DATA)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50	67.4	74.5	78.6	80.1	78.8	77.4	78.5	76.9	75.8	75.7				
	63	69.2	73.9	76.3	78.6	79.9	80.2	78.4	76.0	73.4	72.0				
	80	72.1	75.7	77.8	78.6	79.6	81.2	81.4	80.5	78.2	76.2				
NFA 2726. RPM (285. RAD/SEC)	100	69.4	76.1	79.0	79.9	80.1	80.7	82.0	81.4	79.2	78.8				
	125	64.8	70.2	74.9	77.4	77.7	77.1	76.5	75.7	73.8	72.3				
NFK 2687. RPM (281. RAD/SEC)	160	59.8	66.3	70.4	71.1	71.4	72.3	73.6	71.7	69.6	68.1				
	200	58.7	66.2	69.8	72.1	73.2	73.9	73.1	71.5	69.6	68.4				
	250	56.9	63.7	69.5	71.8	73.0	72.9	72.4	71.3	68.4	66.7				
NFD 3244. RPM (340. RAD/SEC)	315	52.5	60.8	67.9	69.8	69.9	70.2	70.2	68.6	65.7	63.2				
	400	51.1	59.8	68.2	71.0	71.2	70.5	69.7	68.2	65.2	62.5				
AIRFLOW RATIO WF/WM 12.60	500	48.7	59.1	66.9	70.9	71.4	70.5	69.0	67.2	64.2	62.0				
	630	53.4	64.1	72.2	76.5	78.0	75.5	73.5	70.3	67.2	64.0				
	800	55.8	67.3	75.5	80.1	83.4	79.6	77.3	73.8	69.6	65.9				
VEHICLE UTHSIM CONFIG A+3	1000	52.6	65.1	72.9	77.6	78.0	76.3	72.9	69.9	66.7	64.0				
	1250	52.3	65.1	73.1	77.8	78.3	77.8	75.5	71.8	68.3	64.6				
LCC SCHENECTADY	1600	54.9	67.1	75.6	79.8	79.7	78.8	75.7	71.5	67.8	65.5				
DATE 7/22/75	2000	50.1	64.1	72.3	75.9	76.8	76.8	74.4	71.3	67.1	64.6				
RUN 43/14	2500	49.0	65.1	73.2	77.4	78.1	77.7	75.8	72.4	68.2	66.0				
TAPE	3150	47.6	64.3	72.1	75.6	78.7	76.9	75.8	72.1	67.1	65.0				
FAN TIP SPEED	4000	42.8	60.6	68.4	72.4	73.2	73.3	73.1	69.3	65.1	63.7				
845. FT/SEC	5000	40.0	58.9	68.2	72.7	73.2	74.1	74.3	70.8	67.1	65.9				
	6300	35.2	55.7	65.8	70.3	72.4	73.4	73.2	70.7	66.1	64.6				
	8000	25.6	51.2	61.7	67.3	69.2	70.7	71.0	68.3	63.8	61.5				
	10000	8.8	41.1	53.5	59.9	63.1	64.9	65.8	61.6	58.1	55.1				
OVERALL CALCULATED		76.6	82.7	87.3	90.1	90.4	90.4	89.7	87.8	85.2	83.9				
PDR		76.6	89.4	97.0	100.8	101.5	101.5	100.4	97.3	93.3	91.2				
	50	77.2	83.5	87.2	88.6	87.1	85.6	86.8	85.1	84.0	83.9				
	63	79.2	83.1	85.1	87.2	88.3	88.5	86.7	84.3	81.7	80.3				
SIDELINE 200. FT. (60.96 M)	80	82.5	85.2	86.8	87.3	88.2	89.7	89.8	89.0	86.8	84.7				
	100	80.0	85.8	88.1	88.5	88.9	89.4	90.5	89.9	87.8	87.4				
	125	75.8	80.1	84.3	86.4	86.5	85.8	85.2	84.4	82.5	81.1				
	160	71.1	76.5	79.9	80.3	80.5	81.2	82.4	80.6	78.4	77.0				
	200	70.3	76.6	79.6	81.5	82.4	82.9	82.1	80.5	78.6	77.5				
	250	63.9	74.4	79.4	81.4	82.3	82.1	81.5	80.4	77.5	75.9				
	315	64.8	71.7	78.0	79.5	79.4	79.5	79.4	77.8	74.9	72.5				
	400	63.8	71.1	78.7	80.9	80.8	80.0	79.1	77.6	74.6	72.0				
	500	61.8	70.7	77.5	81.0	81.2	80.1	78.6	76.8	73.6	71.6				
	630	67.0	76.0	83.1	86.9	86.1	85.3	83.3	80.0	76.9	73.8				
	800	69.8	79.5	86.7	90.7	89.7	89.7	87.2	83.7	79.5	76.0				
	1000	67.1	77.7	84.5	88.5	88.5	86.5	83.0	80.0	76.9	74.3				
	1250	67.4	78.1	84.9	89.0	89.0	88.3	85.9	82.1	78.7	75.1				
	1600	70.7	80.8	87.9	91.3	90.8	89.6	86.3	82.1	78.4	76.3				
	2000	66.8	78.4	85.1	87.8	88.2	87.9	85.4	82.2	78.1	75.8				
	2500	66.5	79.5	86.5	89.7	89.8	89.1	87.1	83.6	79.5	77.4				
	3150	66.5	80.0	86.1	88.5	88.9	88.8	87.5	83.7	78.9	76.9				
	4000	63.6	77.7	83.4	86.2	86.7	86.0	85.5	81.6	77.5	76.3				
	5000	62.0	76.8	83.7	87.0	86.7	87.1	87.1	83.5	79.9	78.9				
	6300	60.6	75.8	83.2	86.1	87.2	87.7	87.1	84.5	80.0	78.9				
	8000	56.1	74.9	81.8	85.4	86.1	86.9	86.7	83.9	79.6	77.7				
	10000	46.3	69.7	77.5	81.2	82.8	83.6	84.1	79.7	76.4	73.9				
OVERALL CALCULATED		87.4	93.5	98.2	100.9	100.9	100.7	99.7	97.4	94.6	93.2				
PDR		92.7	104.2	110.3	113.1	113.3	113.1	111.9	108.7	104.8	103.1				

Run 43/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM														PROC. DATE - MONTH 7 DAY 28 NO. 15.2		
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. 8AY)																
ANGLES FROM INLET IN DEGREES (AND RADIAN)																
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.	50	60	70	80	90	100	110	120	130	140	150	160	170	180	PWL	
VEHICLE UTMSIM	125	93.8	89.0	83.8	84.5	86.8	88.3	89.8	90.0	89.5	88.8					122.5
CONFIG A+3	160	95.8	94.0	94.0	94.0	93.0	94.5	94.8	93.5	92.0	93.1					127.8
LOC SCHENECTADY	200	97.0	99.8	101.3	101.0	98.3	97.3	97.3	96.0	95.3	95.1					131.7
DATE 7/22/75	250	98.5	98.0	98.5	98.7	99.0	98.0	98.2	93.7	91.5	90.8					130.4
RUN 43/15	315	102.2	102.0	100.7	99.7	99.2	100.5	100.0	99.0	97.5	95.3					133.2
TAPE	400	99.7	102.0	101.5	100.7	99.2	99.8	99.7	99.7	97.3	97.1					133.3
BAR 29.7 HG	500	94.5	96.0	98.2	98.5	97.0	96.0	94.8	94.0	92.3	91.1					129.2
(30228. R/M2)	630	91.3	93.0	93.8	93.0	91.5	91.3	91.0	90.3	88.0	87.3					124.8
TAHB 73. DEG F	800	91.3	93.0	94.0	94.3	93.0	92.8	91.5	90.3	88.5	87.6					125.5
(296. DEG K)	1000	88.3	90.8	92.8	93.8	92.7	92.6	91.5	89.5	87.5	86.1					124.8
T-ET 65. DEG F	1250	86.0	88.8	92.0	92.5	91.0	89.8	88.8	87.3	85.0	83.1					122.9
(291. DEG K)	1600	84.5	89.0	93.5	93.7	92.0	90.3	88.6	87.6	84.3	82.8					123.6
HACT13.28 GM/H3	2000	84.3	87.8	92.5	94.5	92.7	90.3	88.6	86.9	84.0	82.4					123.6
(.01328 KG/M3)	2500	83.5	88.8	93.3	95.7	93.2	91.3	89.1	87.2	84.0	81.9					124.4
HFA 9323. RPM	3150	90.0	96.1	100.5	101.9	99.4	98.1	95.4	92.7	89.0	85.6					130.9
(.976. RAD/SEC)	4000	91.0	96.8	101.2	103.2	100.9	99.1	93.4	92.2	89.5	85.9					131.9
NFK 9200. RPM	5000	89.6	96.0	100.2	102.1	100.3	97.0	93.6	90.1	87.1	84.8					130.7
(.963. RAD/SEC)	6300	91.0	97.7	101.1	102.7	102.2	100.4	96.0	92.1	88.5	87.2					132.3
NFD 11517. RPM	8000	92.1	98.8	101.8	103.0	101.2	99.4	94.8	91.4	88.2	87.5					132.2
(1206. RAD/SEC)	10000	90.6	97.7	101.4	102.2	101.2	99.5	96.5	93.3	88.7	87.6					132.1
NO. OF BLADES 18	12500	90.8	99.9	102.7	103.1	102.8	100.7	97.7	95.1	90.1	88.6					133.5
FAN TIP SPEED	16000	90.7	99.5	102.5	102.8	101.6	100.3	98.0	94.3	89.1	88.2					133.3
614. FT/SEC	20000	89.0	97.7	100.0	100.3	98.8	97.6	96.6	92.3	87.8	87.2					131.3
	25000	87.9	97.4	100.0	100.3	99.4	98.1	98.2	94.5	90.6	90.1					132.5
	31500	88.6	97.1	100.3	101.0	100.1	98.8	98.2	95.1	90.6	90.5					131.4
	40000	86.1	97.1	99.8	100.6	99.5	99.8	98.3	94.5	91.1	89.1					134.1
	50000	80.0	94.3	96.3	96.6	95.7	95.2	94.4	90.5	87.4	85.7					131.7
	63000	74.8	89.8	91.1	91.1	92.4	90.2	90.5	85.5	83.3	80.5					128.9
OVERALL MEASURED	89000	75.1	82.7	82.9	83.1	84.7	83.0	83.2	78.2	75.6	72.2					124.1
OVERALL CALCULATED		80.3	82.7	81.7	82.1	82.3	81.9	82.6	79.8	72.1	70.4					127.1
PNDP		109.1	111.4	113.8	114.3	113.0	111.9	110.2	108.0	105.3	104.3					145.4
		116.7	121.3	124.6	125.9	124.3	122.8	120.3	117.4	114.6	112.6					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG. P, 70 PERCENT REL. HUM. DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0.	0.	0.	0.	0.	0.
SIDELINE 500. FT. (152.40 M)	50 67.2	74.2	78.4	79.9	78.3	78.1	78.5	77.4	76.8	75.9						
NFA 2626. RPM (275. RAD/SEC)	63 68.2	72.1	75.3	77.4	78.9	78.7	77.4	75.0	72.8	71.5						
NFK 2591. RPM (271. RAD/SEC)	80 71.3	75.7	77.3	78.1	78.9	80.9	80.9	80.0	78.4	75.7						
NFD 3244. RPM (340. RAD/SEC)	100 68.4	75.3	77.7	78.9	78.6	80.0	80.5	80.6	78.0	77.3						
AIRFLOW RATIO WF/WP 12.60	125 62.6	69.0	74.2	76.4	76.2	76.1	75.3	74.7	72.8	71.1						
VEHICLE UTHSIN CONFIG A+3	160 58.8	65.6	69.4	70.6	70.4	71.1	71.3	70.7	68.3	67.1						
LOC SCHENECTADY DATE 7/22/75	200 58.2	65.2	69.3	71.6	71.7	72.2	71.6	70.5	68.6	67.2						
RUN 43/15	250 54.7	62.5	67.7	70.8	71.2	71.9	71.4	69.6	67.4	65.4						
TAPE	315 51.8	60.1	66.6	69.3	69.2	68.9	68.4	67.1	64.7	62.2						
FAN TIP SPEED 814. FT/SEC	400 49.6	59.8	67.7	70.2	69.9	69.2	68.0	67.2	63.7	61.7						
OVERALL CALCULATED	500 48.7	58.1	66.4	70.6	70.4	69.0	67.8	66.2	63.2	61.0						
PND8	630 47.2	58.6	66.7	71.5	70.6	69.7	68.0	66.3	62.9	60.2						
	800 52.8	65.2	73.5	77.3	76.4	76.1	74.0	71.5	67.6	63.7						
	1000 52.9	65.4	73.7	78.1	77.5	76.8	74.7	70.7	67.8	63.6						
	1250 53.6	63.9	72.1	76.6	76.6	74.4	71.9	68.3	65.1	62.1						
	1600 50.7	64.7	72.3	76.7	78.0	77.3	73.5	69.8	66.1	64.1						
	2000 50.4	64.9	72.3	76.4	76.4	75.8	71.9	68.7	65.3	63.9						
	2500 47.7	63.0	71.3	75.0	76.0	75.5	73.2	70.3	65.4	63.6						
	3150 45.8	63.8	71.6	75.1	76.7	76.1	73.8	71.4	66.2	63.9						
	4000 42.5	61.3	69.9	73.4	74.6	74.7	73.2	69.7	64.2	62.5						
	5000 39.4	58.5	66.6	70.5	71.4	71.6	71.4	67.4	62.6	61.2						
	6300 33.1	54.8	64.1	68.4	70.2	71.5	71.6	68.1	63.9	62.5						
	8000 25.8	49.3	60.4	65.9	68.2	68.7	69.1	66.4	61.5	60.4						
	10000 12.3	42.0	54.4	61.1	63.7	66.0	66.0	62.6	58.8	55.6						
	OVERALL CALCULATED	75.7	81.9	86.3	89.0	89.1	89.2	88.3	86.9	84.5						
	PND8	75.0	88.6	96.0	99.6	100.5	100.3	98.5	96.0	91.9						

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	50	77.0	83.2	87.0	88.3	86.6	86.3	86.8	85.6	84.8	84.2
	63	78.2	81.3	84.1	86.0	87.3	87.0	85.7	83.3	81.0	79.8
	80	81.7	85.2	86.3	86.8	87.4	89.4	89.3	88.5	86.9	84.2
SIDELINE 200. FT. (60.96 M)	100	79.0	85.0	86.9	87.8	87.4	88.6	89.0	89.2	86.6	85.9
	125	73.6	78.9	83.5	85.4	85.0	84.8	84.0	83.4	81.5	79.3
	160	70.1	75.7	78.9	79.5	79.5	80.0	80.2	79.6	77.2	76.0
	200	69.8	75.6	79.1	81.0	80.9	81.2	80.6	79.5	77.6	76.2
	250	66.6	73.2	77.7	80.4	80.5	81.1	80.5	78.7	76.5	74.6
	315	64.1	71.0	76.8	79.0	78.7	78.3	77.7	76.3	73.9	71.5
	400	62.3	71.1	78.2	80.1	79.6	78.7	77.4	76.6	73.1	71.2
	500	61.8	69.7	77.0	80.8	80.2	78.6	77.3	75.8	72.8	70.6
	630	60.7	70.5	77.6	81.9	80.6	79.5	77.8	76.0	72.7	70.1
	800	66.8	77.5	84.7	88.0	86.7	86.2	83.9	81.4	77.5	73.7
	1000	67.4	78.0	85.3	89.0	88.0	87.0	84.8	80.8	77.9	73.8
	1250	65.7	76.9	84.0	87.8	87.3	84.9	81.9	78.6	75.5	72.6
	1600	66.6	78.3	84.7	88.2	89.0	88.1	84.2	80.4	76.7	74.9
	2000	67.2	79.1	85.1	88.3	87.9	86.9	82.9	79.6	76.2	75.0
	2500	65.3	77.7	84.5	87.3	87.7	86.9	84.4	81.5	78.6	75.0
	3150	64.6	79.5	85.5	88.0	89.0	88.0	85.5	83.0	77.9	75.9
	4000	63.4	78.3	84.8	87.1	87.6	87.3	85.5	82.0	76.6	75.2
	5000	61.3	76.4	82.2	84.8	84.7	84.7	84.2	80.1	75.4	74.3
	6300	58.5	74.9	81.5	84.2	85.0	85.8	85.5	82.0	77.9	76.8
	8000	56.3	72.9	80.6	84.0	85.0	84.9	84.9	82.1	77.3	76.5
	10000	50.0	70.5	78.4	82.1	83.4	84.8	84.2	80.7	77.1	74.4
	OVERALL CALCULATED	86.4	92.7	97.2	99.7	99.7	99.5	98.2	96.4	93.7	92.2
	PND8	91.2	103.4	109.4	112.1	112.5	111.9	110.1	107.5	103.3	101.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
SIDELINE 500. FT. (152.40 M)	50	66.2	73.5	76.9	78.4	77.3	77.6	78.5	77.7	76.6	76.9						
	63	65.7	70.4	73.1	75.6	77.1	77.2	75.9	73.7	71.4	70.0						
	80	69.6	73.5	75.5	76.6	77.6	79.2	79.9	79.0	77.2	75.2						
NFA 2464. RPM	100	67.6	73.8	76.0	76.9	77.6	78.7	79.7	78.6	77.0	77.0						
(258. RAD/SEC)	125	60.8	67.7	72.2	73.9	74.2	74.6	73.3	72.9	71.3	69.8						
NFK 2433. RPM	160	56.0	63.3	67.1	68.1	68.2	69.3	69.3	68.2	66.6	64.9						
(255. RAD/SEC)	200	56.0	63.2	66.8	69.4	69.7	70.4	69.1	67.8	66.1	64.9						
NFD 3244. RPM	250	52.4	61.0	66.2	69.1	69.2	69.2	69.2	67.6	64.7	63.2						
(340. RAD/SEC)	315	49.3	58.8	65.1	67.5	67.4	66.9	66.4	65.4	62.4	59.9						
AIRFLOW RATIO	400	48.1	58.1	66.2	69.0	68.7	68.0	66.7	65.2	62.0	59.7						
WF/WH 12.6C	500	45.7	57.6	65.6	69.6	69.1	68.0	66.5	64.2	61.5	59.0						
	630	45.5	58.1	65.7	70.5	70.1	68.4	66.8	65.0	61.4	59.2						
	800	52.8	66.0	74.2	77.1	78.4	78.1	73.2	69.7	65.4	62.6						
VEHICLE UTMSIM	1000	49.9	63.4	71.5	76.6	75.5	73.5	70.9	67.9	64.5	61.1						
CCMFIG A*3	1250	49.3	62.9	69.9	75.4	74.6	72.6	69.5	66.8	63.3	60.9						
LOC SCHENECTADY	1600	53.0	66.9	74.3	78.4	78.0	76.6	73.3	70.1	66.1	63.6						
DATE 7/5/85	2000	47.7	61.9	69.8	74.1	73.7	72.3	69.7	66.5	62.0	60.7						
RUN 43.888	2500	47.0	62.7	70.5	74.3	75.7	74.3	71.4	68.0	63.4	61.9						
TAPE	3150	45.0	62.3	70.6	73.9	74.9	74.4	72.0	68.6	63.5	62.0						
FAN TIP SPEED	4000	41.6	60.1	67.9	71.6	73.1	72.4	70.9	67.2	62.0	59.8						
764. FT/SEC	5000	37.4	57.6	64.1	69.0	69.9	69.6	69.4	65.1	61.2	59.0						
	6300	31.6	53.9	62.9	67.5	69.4	70.0	70.3	66.4	61.9	59.8						
	8000	24.1	48.6	58.7	64.7	66.9	67.8	67.9	64.7	59.3	57.7						
	10000	10.8	40.8	52.8	59.7	62.0	63.8	63.8	60.2	55.6	52.9						
OVERALL CALCULATED		74.1	80.6	84.9	87.7	88.0	87.7	87.1	85.5	83.4	82.5						
PNBR		73.9	87.3	94.8	98.4	99.1	98.5	96.8	93.8	89.7	87.9						

	50	76.0	82.5	85.5	86.8	85.6	85.8	86.8	85.9	84.8	85.2					
SIDELINE 200. FT. (60.96 M)	63	75.7	79.6	81.9	84.2	85.5	85.5	84.2	82.1	79.7	78.3					
	80	80.0	82.9	84.5	85.3	86.2	87.7	88.3	87.5	85.6	83.7					
	100	78.3	83.5	85.1	85.8	86.4	87.4	88.3	87.2	85.6	85.7					
	125	71.8	77.6	81.5	82.9	83.0	83.3	82.0	81.6	80.0	78.6					
	160	67.3	73.5	76.7	77.3	77.2	78.2	78.2	77.1	75.4	73.8					
	200	67.6	73.6	76.6	78.7	78.9	79.4	78.1	76.7	75.1	74.0					
	250	64.4	71.7	76.2	78.6	78.5	78.4	78.3	76.7	73.8	72.4					
	315	61.6	69.7	75.3	77.3	76.9	76.3	75.7	74.6	71.7	69.3					
	400	60.8	69.3	76.7	78.9	78.3	77.5	76.1	74.6	71.4	69.2					
	500	58.8	69.2	76.3	79.8	79.0	77.6	76.1	73.8	71.0	68.6					
	630	59.0	70.0	76.6	80.9	80.1	78.3	76.5	74.7	71.2	69.1					
	800	66.8	78.2	85.5	87.7	86.7	86.2	83.2	79.6	75.3	72.7					
	1000	64.4	76.0	83.0	87.5	86.0	83.8	81.1	78.0	74.6	71.3					
	1250	64.5	75.9	81.7	86.5	85.3	83.1	79.9	77.1	73.7	71.4					
	1600	68.9	80.5	86.7	90.0	89.0	87.4	83.9	80.7	76.7	74.4					
	2000	64.4	76.1	82.6	86.1	85.1	83.4	80.6	77.4	73.0	71.8					
	2500	64.5	77.5	83.8	86.6	87.5	85.7	82.7	79.2	74.6	73.3					
	3150	63.9	78.0	84.5	86.8	87.2	86.3	83.7	80.3	75.2	73.9					
	4000	62.4	77.1	82.9	85.4	86.2	85.1	83.3	79.5	74.4	72.4					
	5000	59.4	75.4	79.7	83.3	83.4	82.7	82.2	77.8	73.9	72.0					
	6300	57.0	74.0	80.3	83.3	84.3	84.3	84.3	80.3	75.9	74.1					
	8000	54.5	72.2	78.8	82.8	83.8	83.9	83.7	80.3	75.1	73.6					
	10000	49.5	69.3	76.7	81.0	81.7	82.6	82.0	78.3	73.9	71.7					
OVERALL CALCULATED		84.9	91.5	96.0	92.6	92.6	97.9	98.9	94.8	92.4	91.5					
PNBR		89.9	102.2	108.2	110.9	111.1	110.2	108.4	105.3	101.1	99.5					

Run 43/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. RATE = MONTH 7 DAY 20 HR. 15.2																
		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(10.)	(10.)	(10.)	(10.)	P
	50																	
	63																	
RADIAL 17. FT.	80																	
(S. M)	100	89.0	86.4	81.8	83.0	85.3	87.5	88.3	89.3	88.5	88.1							
VEHICLE	UTMSIM	125	94.0	93.6	93.3	92.3	91.3	92.8	93.5	93.3	93.0	94.3						121.0
CONFIG	A+3	160	91.3	93.4	94.8	94.3	92.0	92.3	92.8	91.6	90.5	91.3						120.0
LCC	SCHENECTADY	200	91.3	90.4	91.3	92.3	93.5	93.8	92.3	89.5	87.3	86.8						120.1
DATE	7/22/75	250	96.3	95.8	92.8	92.3	92.7	94.5	95.2	93.8	92.3	90.5						125.0
RUN	43/17	315	93.5	95.4	93.3	91.5	90.0	91.5	92.0	91.8	89.8	90.3						127.3
TAPE		400	86.5	87.9	89.3	89.0	87.8	86.8	85.0	84.8	83.3	82.6						125.5
BAR	29.7 HG	500	82.8	84.6	83.8	83.0	81.8	82.1	81.5	80.8	79.0	77.6						120.1
(00228.	N/M2)	630	82.1	85.4	85.3	84.8	83.5	82.3	81.0	79.3	77.5	76.6						115.4
TAMB	72. DEG F	800	80.8	85.4	86.8	86.0	84.7	83.8	81.8	80.1	77.0	75.6						115.0
(295.	DEG K)	1000	78.1	84.6	86.6	86.0	84.2	82.8	80.8	79.1	75.5	73.8						110.0
T-CT	64. DEG F	1250	79.3	85.4	86.6	88.0	86.0	83.9	82.1	80.1	76.5	74.3						110.2
(291.	DEG K)	1600	78.6	84.9	89.1	89.0	86.7	84.1	81.9	79.4	76.8	74.4						117.0
HACT	12.77 GH/M3	2000	86.3	93.2	96.1	96.0	93.2	89.9	87.6	84.2	80.3	78.4						110.2
(.01277	KG/M3)	2500	86.3	92.9	95.3	95.2	92.2	88.9	86.4	83.2	80.2	77.6						124.0
NFA	6993. RPM	3150	84.8	91.2	93.1	93.9	90.9	87.4	84.1	81.2	78.5	76.4						124.1
(732.	RAD/SEC)	4000	92.9	98.6	102.2	103.1	98.3	94.8	91.1	87.7	84.9	85.0						122.5
NFK	6907. RPM	5000	87.6	94.6	96.7	98.0	94.2	90.2	86.0	83.1	80.0	79.5						130.9
(723.	RAD/SEC)	6300	86.4	93.0	95.4	96.8	94.2	91.7	88.6	84.2	80.4	80.0						126.1
NFD	11517. RPM	8000	86.7	93.9	95.2	95.7	93.7	91.0	87.0	83.4	79.4	78.6						125.5
(1206.	RAD/SEC)	10000	86.1	94.3	96.0	96.1	94.6	92.0	88.5	84.4	79.4	79.1						125.1
NO. OF	BLADES	18	12500	85.2	93.9	95.4	94.9	93.9	91.3	88.5	84.1	78.8	78.2					120.0
FAN TIP	SPEED	16000	84.6	93.4	93.6	94.1	93.1	91.7	90.3	85.8	80.8	79.5						125.4
610.	FT/SEC	20000	85.2	95.1	97.1	97.8	96.9	96.2	94.5	89.4	84.4	82.6						125.3
		25000	85.5	93.5	96.1	96.3	95.4	94.1	92.2	87.7	81.6	81.3						129.4
		31500	81.2	92.0	93.6	93.7	92.8	91.9	89.6	85.4	79.7	77.9						120.5
		40000	73.1	86.5	88.8	88.7	87.8	86.3	84.8	79.6	75.8	73.3						120.9
		50000	66.7	81.3	82.2	82.0	82.5	80.4	80.1	74.4	71.7	69.3						123.2
		63000	66.0	74.7	74.6	74.3	75.6	74.0	73.1	68.1	68.3	67.3						119.2
		80000	70.5	73.4	71.9	72.3	72.4	72.1	72.8	70.0	72.1	70.3						119.2
OVERALL	MEASURED																	118.3
OVERALL	CALCULATED	103.1	107.0	108.7	109.1	106.9	105.4	104.0	101.7	99.7	99.6							
PND8		114.5	119.6	122.2	122.7	119.2	116.6	113.8	111.1	109.4	108.0							130.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159. DEG. P. 70 PERCENT DEL. MM. DAY1

	ANGLES FROM INLET IN DEGREES (AND RADIAN)															
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	61.4	67.9	72.0	73.2	72.1	73.1	74.1	73.0	71.8	72.2					
(159.40 M)	63	60.9	64.5	68.2	70.9	73.4	74.4	73.4	70.8	68.4	67.5					
NFA 1970. RPM	80	65.4	69.3	69.3	70.7	72.4	75.0	76.1	74.8	73.2	71.0					
(206. RAD/SEC)	100	62.1	68.7	69.6	69.7	69.4	71.6	72.7	72.7	70.5	70.5					
NFK 1945. RPM	125	54.6	60.9	65.3	66.9	66.9	66.8	65.5	65.5	63.8	62.6					
(234. RAD/SEC)	160	50.3	57.2	59.4	60.6	60.7	61.9	61.8	61.3	59.3	57.4					
NFD 3244. RPM	200	49.0	57.5	60.6	62.1	62.2	61.9	61.1	59.6	57.6	56.2					
(340. RAD/SEC)	250	47.2	57.1	61.8	63.1	63.2	63.2	61.7	60.1	56.9	54.9					
AIRFLOW RATIO	315	43.8	55.9	61.2	62.8	62.4	62.0	60.5	58.9	55.2	52.9					
WF/WB 12.60	400	44.4	56.2	62.8	64.5	63.9	62.8	61.5	59.7	56.0	53.2					
VEHICLE UTMSIM	500	43.0	55.3	63.0	65.2	64.4	62.8	61.0	58.8	56.0	53.0					
CONFIG A+3	630	53.0	63.0	69.5	71.8	70.6	68.2	66.5	63.3	59.2	56.7					
LCC SCHENECTADY	800	49.1	62.1	68.3	70.6	69.2	66.9	65.0	62.0	58.9	55.6					
DATE 7/22/75	1000	46.7	59.7	65.6	68.9	67.5	65.1	62.4	59.7	56.8	54.1					
RUN 43/17	1250	53.9	66.5	74.2	77.7	74.6	72.2	69.0	65.9	62.8	62.4					
TAPE	1600	47.3	61.5	67.9	72.0	70.0	67.1	63.5	60.9	57.6	56.4					
FAN TIP SPEED	2000	44.7	59.0	65.9	70.2	69.4	68.1	65.7	61.5	57.5	56.4					
610. FT/SEC	2500	43.8	59.1	65.1	68.6	68.5	67.1	63.7	60.3	56.1	54.6					
OVERALL CALCULATED	3150	41.1	58.2	64.9	68.2	68.7	67.4	64.5	60.7	55.5	54.5					
PNDR	4000	37.1	55.7	62.7	65.7	66.9	65.7	63.7	59.5	54.0	52.5					
	5000	34.2	54.2	60.2	64.3	65.7	65.7	65.2	60.7	55.2	53.5					
	6300	31.4	52.5	61.2	66.0	67.7	66.6	67.8	63.0	57.7	55.1					
	8000	22.6	45.7	56.3	61.3	63.5	64.0	63.2	59.0	52.6	51.2					
	10000	7.4	36.9	48.3	54.2	57.0	58.4	57.3	53.5	47.4	44.4					
		89.5	76.3	80.7	83.4	82.7	82.6	82.1	80.4	78.3	77.4					
		70.4	83.7	90.3	93.5	93.4	92.5	90.8	87.2	82.9	81.3					

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SIDELINE 200. FT.	50	71.2	76.9	80.6	81.6	80.4	81.4	82.3	81.2	80.0	80.4
(60.96 M)	63	71.0	73.7	77.0	79.5	81.8	82.8	81.7	79.1	76.7	75.8
	80	75.8	78.8	78.3	79.4	81.0	83.5	84.6	83.3	81.6	79.5
	100	72.8	78.4	78.7	78.6	78.1	80.4	81.3	81.2	79.1	79.2
	125	65.6	70.8	74.6	76.0	75.8	75.6	74.2	74.2	72.5	71.3
	160	61.6	67.4	69.0	69.9	69.7	70.8	70.7	70.1	68.2	66.3
	200	60.6	68.0	70.4	71.5	71.4	71.0	70.1	68.5	66.6	65.2
	250	59.1	67.8	71.8	72.7	72.5	72.4	70.8	69.2	66.0	64.1
	315	56.1	66.9	71.4	72.6	71.9	71.3	69.7	68.1	64.4	62.3
	400	57.1	67.5	73.2	74.4	73.6	72.2	70.9	69.1	65.4	62.7
	500	56.1	66.8	73.6	75.3	74.2	72.4	70.6	68.3	65.5	62.6
	630	63.5	74.8	80.5	82.2	80.6	78.1	76.3	73.0	68.9	66.6
	800	63.1	74.4	79.5	81.3	79.5	77.0	74.9	71.9	68.8	65.7
	1000	61.2	72.4	77.1	79.8	78.0	75.3	72.6	69.8	66.9	64.3
	1250	69.0	79.6	86.1	88.8	85.3	82.7	79.4	76.2	73.2	72.9
	1600	63.2	75.2	80.2	83.5	81.1	77.9	74.2	71.5	68.2	67.2
	2000	61.5	73.2	78.7	82.1	80.9	79.2	76.6	72.4	69.5	67.6
	2500	61.3	73.9	78.3	80.9	80.2	78.5	74.9	71.5	67.4	66.1
	3150	59.9	73.9	78.8	81.1	81.0	79.3	76.3	72.3	67.2	66.4
	4000	58.0	72.7	77.7	76.4	79.9	78.4	76.1	71.8	66.4	65.2
	5000	56.9	72.0	75.8	78.6	79.2	78.7	77.9	73.4	68.4	66.5
	6300	56.8	72.6	78.6	81.8	82.5	82.9	81.8	76.8	71.6	69.3
	8000	53.2	69.3	76.4	79.1	80.3	80.2	78.9	74.6	68.3	67.3
	10000	45.1	65.5	72.3	75.5	76.7	77.1	75.5	71.6	65.8	63.2
OVERALL CALCULATED		80.5	67.7	92.1	94.4	93.4	92.8	91.8	89.6	87.2	86.3
PNDR		86.4	98.6	103.6	105.9	105.5	104.8	103.2	99.4	95.1	93.3

Run 44/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 HR. 12.4

		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(10.)	(10.)	(10.)	(10.)	
		50																
		63																
RADIAL	17. FT.	80																
(S. M.)		100	88.3	83.6	81.3	83.0	85.8	88.0	89.0	90.1	89.8	89.1						121.8
VEHICLE	UTMSIM	125	95.8	94.9	94.8	93.5	92.0	94.3	94.5	95.1	95.8	96.3						128.4
CONFIG	B+2	160	91.3	92.6	94.3	94.0	91.5	91.3	91.5	90.8	90.5	90.8						125.3
LOC	SCHENEGTADY	200	88.8	89.1	89.8	91.5	93.3	93.5	91.3	88.5	87.0	85.8						124.2
DATE	7/22/75	250	95.0	93.0	91.3	91.0	91.7	93.0	93.5	92.5	91.8	89.0						129.4
RUN	44/4	315	92.8	94.9	92.6	91.0	89.5	89.8	90.5	90.8	89.5	88.8						124.5
TAPE		400	84.8	87.1	87.8	88.0	88.3	85.3	83.3	83.3	82.5	80.8						118.1
BAR	29.7 HG	500	81.6	84.1	83.8	82.3	81.5	80.3	79.3	78.1	77.0	75.3						114.2
(100295. N/M2)		630	83.1	85.9	85.8	85.6	84.0	82.1	80.0	78.3	76.5	75.1						116.1
TAMB	76. DEG F	800	80.8	86.6	88.3	88.0	86.2	84.1	81.8	79.8	77.3	75.1						117.9
(298. DEG R)		1000	78.8	86.1	88.1	87.8	86.0	83.1	80.5	78.1	76.0	73.3						117.4
TNET	68. DEG F	1250	79.8	85.9	88.3	87.5	86.0	83.1	80.6	79.1	75.8	73.3						117.4
(293. DEG R)		1600	79.8	84.9	88.4	87.5	85.5	82.1	79.1	77.4	74.8	72.0						117.0
NACT	14.88 GM/M3	2000	85.1	90.7	95.0	92.8	90.0	86.6	82.9	80.0	77.8	75.6						122.0
(.01488 KG/M3)		2500	86.5	92.5	95.1	92.5	89.7	86.6	82.9	80.7	78.0	75.4						122.5
NFA	7040. RPM	3150	85.0	90.7	93.1	91.9	87.6	84.9	81.4	78.2	76.5	74.4						121.0
(737. RAD/SEC)		4000	91.4	96.9	99.0	101.8	94.8	93.3	91.1	85.9	84.4	83.5						129.0
NFM	6927. RPM	5000	87.0	93.3	95.2	97.0	92.5	88.0	84.3	81.1	79.3	77.7						124.7
(725. RAD/SEC)		6300	86.4	92.7	93.6	95.3	91.9	87.4	83.1	80.5	78.4	77.0						123.5
NFD	11517. RPH	8000	87.2	93.4	94.7	95.2	92.9	88.8	84.5	81.4	77.9	76.8						124.3
(1206. RAD/SEC)		10000	86.8	94.3	95.5	95.1	93.6	89.8	85.4	81.9	77.8	77.8						129.0
NO. OF BLADES	18	12500	86.2	93.4	94.1	93.9	92.6	89.1	84.7	80.5	76.8	75.4						124.0
FAN TIP SPEED		16000	83.3	91.0	91.2	91.8	89.5	86.3	83.5	77.8	74.3	73.2						121.9
615. FT/SEC		20000	81.1	89.0	90.3	90.2	88.6	85.8	83.2	78.3	74.0	72.3						121.1
		25000	79.8	86.6	88.2	88.6	87.5	84.7	82.1	77.6	73.0	71.9						120.2
		31500	77.3	86.0	87.2	87.4	85.8	83.9	81.9	77.6	73.2	71.2						120.1
		40000	71.1	82.9	84.2	84.4	83.7	81.5	80.2	75.1	72.0	69.2						118.4
		50000	68.0	79.4	79.8	79.8	80.6	78.2	77.4	71.2	69.5	66.7						117.0
		63000	65.3	73.4	72.9	73.0	74.1	72.9	71.6	68.4	67.5	65.8						113.8
		80000	69.9	72.6	71.3	71.9	72.3	71.8	72.1	69.4	72.2	69.8						117.9
OVERALL MEASURED																		
OVERALL CALCULATED			102.6	105.7	106.9	107.4	104.5	103.0	101.7	100.5	100.1	99.8						137.7
PNDW			113.6	118.5	120.3	121.5	116.9	115.0	112.7	109.4	107.8	106.8						

Run 44/Reading 4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89. DEG. F., 70 PERCENT REL. HUM., DAY)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)
SIDELINE 500. FT. (152.40 M)	50	61.4	67.1	71.5	72.9	71.6	72.1	72.8	72.0	71.6	71.4
NPA 1083. RPM (208. RAD/SEC)	63	58.4	63.3	66.7	70.2	73.1	74.2	74.4	73.6	72.7	69.5
NPK 1951. RPM (204. RAD/SEC)	80	64.1	67.3	67.8	69.4	71.4	73.5	74.4	73.6	72.7	69.5
NFD 3244. RPM (340. RAD/SEC)	100	61.4	68.2	68.8	68.2	68.9	70.0	71.2	71.7	70.2	68.8
AIRFLOW RATIO WF/MM 12.60	125	52.8	60.1	63.8	65.9	65.4	65.3	63.8	64.0	63.1	60.8
VEHICLE UTMSLM CONFIG B+2	160	49.1	56.7	59.2	59.9	60.4	60.1	59.6	58.5	57.3	55.1
LOC SCHENECTADY	200	50.0	58.1	61.1	62.9	62.7	61.7	60.1	58.6	56.6	54.7
DATE 7/22/75	250	47.0	56.4	63.3	65.1	64.7	63.5	61.7	59.9	57.2	54.4
RUN 44/4	315	44.6	57.4	62.7	64.6	64.2	62.2	60.2	57.9	55.7	52.4
TAPE	400	44.9	56.7	62.6	64.0	63.9	62.0	60.0	58.7	55.2	52.2
FAN TIP SPEED 615. FT/SEC	500	44.0	55.3	62.2	63.7	63.1	60.8	58.3	56.8	54.0	51.2
OVERALL CALCULATED PNDP	630	48.7	60.5	69.0	68.6	67.3	65.0	61.8	59.1	56.7	54.0
	800	49.4	61.6	68.1	67.9	66.7	64.7	61.5	59.5	56.6	53.4
	1000	47.7	59.2	65.6	60.9	64.3	62.6	59.7	56.7	54.8	52.1
	1250	52.4	64.7	70.9	70.4	71.1	70.7	69.0	64.1	62.3	60.9
	1600	47.3	60.3	66.4	71.0	68.2	64.9	61.8	58.9	56.8	54.6
	2000	44.7	56.0	64.2	60.7	67.2	63.9	60.2	57.8	55.5	53.4
	2500	44.2	58.6	64.0	68.1	67.7	64.8	61.2	58.3	54.6	52.6
	3150	41.8	58.2	64.4	67.1	67.7	65.1	61.5	58.2	53.9	53.2
	4000	38.1	55.2	61.4	64.6	65.6	63.4	59.9	55.9	51.7	49.8
	5000	33.0	51.9	57.9	62.0	62.1	60.4	58.3	52.9	49.1	47.2
	6300	26.3	40.4	54.4	58.4	59.3	58.2	56.5	51.9	47.3	44.7
	8000	17.0	38.8	48.4	53.6	55.6	54.8	53.0	48.9	43.9	41.6
	10000	3.4	30.9	41.9	48.0	50.0	50.4	49.6	45.7	40.9	37.7
OVERALL CALCULATED PNDP	68.5	75.3	79.5	82.1	81.1	80.9	80.2	78.9	77.8	76.1	74.9
	69.5	82.9	88.9	91.9	91.5	89.6	86.9	83.9	80.7	78.9	

SIDELINE 200. FT. (60.96 M)	50	71.2	76.1	80.1	81.3	79.9	80.4	81.0	80.2	80.0	79.7
	63	68.5	72.5	75.5	74.7	81.6	82.6	80.7	78.1	76.5	74.6
	80	74.5	76.8	76.8	78.1	80.0	82.0	82.9	82.0	81.1	78.0
	100	72.1	77.9	78.0	78.1	77.6	78.7	79.8	80.2	78.6	77.4
	125	63.9	70.0	73.1	75.0	74.3	74.1	72.5	72.7	71.8	69.6
	160	60.4	66.9	68.7	69.1	69.5	69.0	66.4	67.4	66.2	64.0
	200	61.6	68.5	70.9	72.3	71.9	70.7	69.1	67.5	65.6	63.7
	250	58.9	69.1	73.3	74.7	74.0	72.7	70.8	69.0	66.3	63.6
	315	56.9	68.4	72.9	74.3	73.7	71.6	69.5	67.1	64.9	61.8
	400	57.6	68.0	73.0	73.9	73.6	71.5	69.4	68.1	64.6	61.7
	500	57.1	66.8	72.9	73.6	73.0	70.4	67.9	66.3	63.5	60.9
	630	62.2	72.4	80.0	78.9	77.4	74.8	71.5	68.8	66.4	63.6
	800	63.4	73.9	79.3	78.5	77.0	74.7	71.4	69.4	66.5	63.9
	1000	62.2	71.9	77.1	77.8	74.8	72.8	69.8	66.8	64.9	62.3
	1250	67.5	77.8	82.8	87.6	81.8	81.2	79.4	74.4	72.7	71.4
	1600	63.2	73.9	78.7	82.5	79.3	75.7	72.5	69.5	67.5	65.4
	2000	61.5	73.0	77.0	80.6	78.6	75.0	71.1	68.7	66.5	64.9
	2500	61.8	73.4	77.8	80.4	79.5	76.2	72.4	69.5	65.9	64.0
	3150	65.7	73.8	78.3	80.0	79.9	77.0	73.2	69.8	65.6	65.1
	4000	58.9	72.2	76.4	78.4	78.6	76.1	72.3	68.3	64.1	62.4
	5000	55.6	69.7	73.5	76.3	75.6	73.4	71.1	65.6	61.9	60.2
	6300	51.7	66.5	71.8	74.2	74.2	72.5	70.5	65.7	61.3	59.0
	8000	47.5	62.4	68.5	71.7	72.4	70.8	68.8	64.5	59.7	57.9
	10000	41.1	58.5	65.8	69.3	69.7	69.2	67.8	63.8	59.2	56.4
OVERALL CALCULATED PNDP	79.6	86.6	90.6	92.9	91.3	90.4	89.3	87.7	85.5	84.7	
	80.1	97.7	102.2	104.2	103.6	101.2	98.3	95.3	92.1	90.6	

Run 44/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 11 MR. 1964																
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																		
ANGLES FROM INLET IN DEGREES (AND RADIAN)																		
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
(0.35)		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.)
SU																		
OJ																		
RADIAL 17. FT.																		
(5. M)		100	92.3	86.3	83.0	84.3	86.3	88.0	88.8	89.5	89.0	88.1					121.7	
VEHICLE	UTHSIM	120	95.5	93.5	94.8	94.0	93.5	94.5	94.5	93.8	93.8	93.8					127.7	
CONFIG	B+2	160	96.5	99.8	101.3	101.0	98.0	98.8	98.8	98.0	97.8	97.8					132.3	
LOC	SCHENECTADY	200	95.2	94.5	94.7	95.5	95.7	95.5	94.0	91.2	90.0	88.0					127.4	
RATE	7/22/75	250	100.5	99.0	98.0	97.0	97.0	98.0	98.0	97.0	96.3	93.8					131.0	
RUN	44/5	315	98.5	99.5	98.7	98.0	97.0	97.3	97.5	96.7	95.3	94.0					130.0	
TAPE		400	93.5	93.3	95.0	95.0	94.2	92.8	90.8	90.0	89.0	87.0					125.9	
BAR	29.7 HG	500	88.0	90.0	90.8	89.5	88.5	87.3	88.8	85.5	83.8	82.0					121.2	
	(00295. N/M2)	630	88.0	90.0	91.3	91.0	90.2	88.6	86.5	85.5	83.8	81.0					121.9	
TAMB	77. DEG F	800	86.3	89.0	91.3	92.3	91.0	89.3	87.8	85.5	83.8	81.1					122.3	
	(298. DEG K)	1000	83.5	88.0	90.7	91.7	90.7	88.6	86.5	84.5	82.3	79.0					121.6	
THET	69. DEG F	1250	83.5	87.8	92.8	93.5	91.2	88.8	86.6	84.8	81.8	79.0					122.5	
	(293. DEG K)	1600	82.3	86.8	92.5	93.5	90.7	88.1	85.6	83.1	81.0	78.0					122.1	
MACT	14.59 GM/M3	2000	82.8	87.8	91.3	93.2	90.5	88.1	84.9	82.7	80.3	78.1					121.7	
	(.01459 KG/M3)	2500	90.5	95.3	96.8	100.2	97.2	94.9	90.4	87.4	85.3	81.4					128.6	
NFA	8787. RPM	3150	90.0	94.8	97.7	99.9	96.1	93.1	89.4	86.4	84.5	81.4					127.8	
	(920. RAD/SEC)	4000	89.9	94.7	97.4	94.6	96.0	92.8	88.6	85.6	83.9	81.5					127.5	
NFR	8638. RPM	5000	93.6	99.7	101.6	103.5	101.2	98.7	94.0	91.1	87.8	85.5					132.2	
	(904. RAD/SEC)	6300	93.4	95.6	97.8	99.5	97.9	93.4	89.8	86.4	84.2	82.5					128.3	
NFD	11517. RPM	8000	90.8	98.7	98.6	99.9	98.4	96.0	91.9	88.1	84.2	83.1					129.3	
	(1206. RAD/SEC)	10000	90.3	98.2	100.2	100.8	99.6	96.7	92.9	89.3	85.4	84.3					136.5	
NO. OF BLADES	18	12500	89.9	97.0	98.5	99.3	98.6	96.0	93.0	89.0	84.8	83.1					129.8	
FAN TIP SPEED		16000	88.2	95.9	96.7	97.0	96.0	94.1	91.8	88.5	83.0	81.4					127.8	
	767. FT/SEC	20000	86.1	93.8	95.7	96.5	95.6	93.6	91.9	87.0	83.5	81.3					127.7	
		25000	86.0	92.0	94.9	95.6	94.8	92.7	90.3	87.1	82.8	81.4					127.8	
		31500	82.3	91.5	93.1	93.7	93.4	91.7	90.2	88.1	82.5	80.3					127.1	
		40000	76.1	87.9	90.2	90.5	90.0	88.5	87.8	82.9	80.0	77.8					125.3	
		50000	72.8	84.7	85.6	85.7	86.9	85.0	84.8	79.3	77.6	73.5					123.5	
		63000	74.1	79.7	79.5	74.6	81.3	80.6	79.7	75.2	71.4	68.2					120.9	
		80000	80.1	82.4	81.4	82.1	82.5	81.9	82.4	79.5	72.4	69.9					127.8	
OVERALL MEASURED																		
OVERALL CALCULATED		106.7	109.4	111.0	111.9	110.2	108.5	108.8	105.0	103.7	102.7						142.9	
PNDB		116.5	121.0	123.1	124.5	122.3	120.1	116.7	114.3	111.9	110.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANs)																	
		20	30	40	50	60	70	80	90	100	110	0 _s	0 _a	0 _c	0 _d	0 _e	0 _f	0 _g	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
SIDE LINE 500. FT.	50	66.7	74.2	78.4	79.9	78.1	79.6	80.0	79.4	78.8	76.7								
	63	64.9	66.6	71.6	74.1	75.6	76.2	75.1	72.5	71.1	69.2								
	80	69.6	72.7	74.5	75.4	76.6	78.4	78.9	78.0	77.2	74.2								
(152.40 M)	100	67.1	72.8	75.0	76.1	76.4	77.5	78.2	77.6	76.0	74.0								
NFA 2475. RPM	125	59.6	66.2	70.9	72.9	73.4	72.8	71.3	70.7	69.6	67.6								
(259. RAD/SEC)	160	55.5	62.6	66.4	67.1	67.4	67.1	67.1	66.0	64.1	62.4								
NFK 2433. RPM	200	55.0	62.2	66.0	66.4	69.0	68.2	66.6	65.8	63.9	61.4								
(255. RAD/SEC)	250	52.7	60.7	66.2	69.3	69.5	68.7	67.7	65.6	63.7	60.4								
NFD 3244. RPM	315	49.3	59.3	65.4	68.5	68.9	67.7	66.2	64.4	61.9	58.7								
(340. RAD/SEC)	400	48.6	58.6	67.0	70.0	69.2	67.7	66.0	64.4	61.2	58.5								
AIRFLOW RATIO	500	46.7	57.1	66.4	69.6	68.4	66.7	64.8	62.5	60.2	57.2								
(F/M 12.60)	630	46.5	57.6	64.7	69.0	67.8	66.5	63.8	61.8	59.2	56.5								
	800	53.3	64.5	71.7	75.6	74.2	72.9	69.0	66.2	63.9	59.4								
VEHICLE UTASIM	1000	51.9	63.1	70.2	74.9	72.8	70.8	67.7	64.9	62.6	58.1								
CONFIC 8+2	1250	50.4	62.0	69.4	74.1	72.3	70.1	66.5	63.8	61.8	58.9								
LUC SCHENECTADY	1600	53.2	66.7	72.8	77.4	77.0	75.6	71.5	68.8	65.3	62.4								
DATE 7/22/75	2000	48.7	61.0	68.8	72.9	73.2	69.8	66.9	63.7	61.3	58.9								
RUN 44/5	2500	47.7	61.9	68.5	72.8	73.2	72.0	68.7	65.0	60.9	59.1								
TAPE	3150	45.3	62.0	69.0	72.9	73.7	72.1	69.0	65.6	61.4	59.7								
FAN TIP SPEED	4000	41.8	58.8	65.9	70.1	71.6	70.4	68.1	64.4	60.0	57.5								
767. FT/SEC	5000	38.6	56.6	63.3	67.2	68.6	68.1	66.6	61.6	57.9	55.4								
	6300	31.3	51.3	59.8	64.6	66.4	66.0	65.3	60.6	56.9	53.7								
	8000	23.2	44.2	55.1	60.6	62.8	62.6	61.3	58.4	53.7	51.3								
	10000	8.4	36.3	47.8	54.3	57.6	58.2	57.9	54.3	50.2	46.7								
OVERALL CALCULATED		74.0	80.0	84.3	87.0	86.7	86.8	85.9	84.6	83.4	82.0								
PNDs		74.2	86.7	93.4	97.2	97.6	96.4	94.0	91.1	87.8	85.4								

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	50	76.5	83.2	87.0	88.3	86.4	87.8	88.3	87.6	87.0	86.9							
	63	75.0	77.8	80.4	82.7	84.0	84.5	83.4	80.8	79.5	77.6							
SIDE LINE 200. FT.	80	80.0	82.2	83.5	84.1	85.2	86.9	87.3	86.5	85.6	82.7							
(60.96 M)	100	77.6	82.5	84.1	85.0	85.1	86.1	86.8	86.2	84.6	83.4							
	125	70.6	76.1	80.3	81.9	82.3	81.6	80.0	79.4	78.3	76.4							
	160	66.8	72.7	75.9	76.3	76.5	76.0	75.9	74.8	72.9	71.3							
	200	66.6	72.6	76.3	77.7	78.1	77.2	75.6	74.7	72.9	70.5							
	250	64.6	71.4	76.2	76.9	78.8	77.9	76.8	74.7	72.8	69.6							
	315	61.0	70.2	75.5	78.3	78.4	77.0	75.4	73.6	71.2	68.0							
	400	61.3	69.8	77.4	79.9	78.8	77.2	75.4	73.8	70.6	68.0							
	500	59.0	66.7	77.0	79.8	78.2	76.4	74.3	72.0	69.0	66.9							
	630	60.0	69.5	75.6	79.4	77.8	76.3	73.5	71.5	68.9	66.3							
	800	67.3	76.7	83.0	86.2	84.4	82.9	78.9	76.1	73.8	69.5							
	1000	66.5	75.7	81.8	85.8	83.3	81.1	77.8	75.0	72.9	69.3							
	1250	66.0	75.7	81.2	85.3	83.1	80.6	76.9	74.1	72.2	69.4							
	1600	69.1	80.3	85.2	89.0	88.1	86.4	82.2	79.4	76.0	73.4							
	2000	65.4	75.9	81.1	84.8	84.6	80.9	77.9	74.6	72.2	70.1							
	2500	65.2	76.7	81.8	85.1	85.0	83.4	79.9	76.2	72.1	70.5							
	3150	64.1	77.7	83.0	85.8	85.9	84.0	80.7	77.3	73.1	71.0							
	4000	62.7	75.8	80.8	83.9	84.6	83.0	80.5	76.7	72.4	70.1							
	5000	60.6	74.6	78.9	81.5	82.1	81.1	79.4	74.3	70.6	68.5							
	6300	56.7	71.4	77.2	80.4	81.2	80.2	79.2	74.4	70.6	68.0							
	8000	53.8	67.8	75.2	78.7	79.7	78.8	77.1	74.0	69.5	67.5							
	10000	46.1	64.9	71.8	75.6	77.3	76.9	76.1	72.3	68.5	65.5							
OVERALL CALCULATED		84.8	90.8	94.9	97.5	97.0	96.3	95.1	93.6	92.1	90.7							
PNDs		90.2	101.5	106.7	109.6	109.6	108.0	105.5	102.4	99.1	97.0							

Run 44/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 AM, 1964

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., DAY)														
	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	
	FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	
SIDE LINE 500. FT. (152.40 M)	50	68.7	75.7	79.4	80.9	79.3	79.4	79.5	78.7	78.6	77.2				
	63	66.7	71.1	73.1	75.9	77.4	76.9	75.6	73.8	72.1	70.0				
NFA 2045. RPM (277. RAD/SEC)	80	70.3	74.2	75.8	76.9	77.9	79.7	80.1	78.8	76.2	74.7				
	100	67.9	74.6	76.7	77.9	77.9	79.0	79.0	78.4	77.2	76.3				
NFA 2595. RPM (272. RAD/SEC)	125	61.8	68.2	72.4	75.1	75.2	74.6	73.0	72.7	71.1	68.8				
	160	57.8	64.6	68.1	69.4	69.2	69.3	68.8	67.5	66.6	64.1				
MFD 3244. RPM (340. RAD/SEC)	200	57.0	63.9	68.1	69.6	70.7	70.2	68.6	67.3	65.9	63.4				
	250	54.7	62.7	68.2	70.6	71.2	70.9	69.4	67.6	65.7	62.7				
AIRFLOW RATIO	315	51.6	60.8	67.4	69.8	70.2	69.2	67.7	66.1	63.2	59.9				
	400	50.6	60.1	67.7	71.0	70.7	69.0	67.2	65.7	63.5	60.0				
NFA 12.60	500	48.2	58.6	66.9	70.1	70.4	68.0	66.0	64.2	62.0	59.0				
	630	54.0	65.1	71.5	75.8	74.3	72.5	69.3	67.0	64.4	60.7				
	800	54.6	66.0	72.7	77.3	76.2	73.6	70.8	68.0	65.1	61.7				
VEHICLE CONFIG	1000	54.4	65.1	71.4	76.6	75.2	73.0	69.7	66.4	64.0	61.5				
LOC SCHEMECTADY	1250	53.5	65.3	72.1	76.3	77.3	73.8	70.5	67.3	64.8	61.9				
	1600	53.1	65.6	72.1	76.5	77.0	73.8	70.4	67.7	64.3	62.5				
DATE 7/22/75	2000	50.1	64.1	71.0	74.9	75.5	74.3	70.9	67.8	63.9	61.4				
RUN 44/0	2500	49.7	65.3	72.0	75.4	77.1	75.7	72.3	69.2	65.0	62.6				
TAPE	3150	47.6	64.1	70.4	73.3	75.4	74.6	72.6	68.0	63.9	61.7				
FAN TIP SPEED	4000	42.8	59.9	66.1	70.1	71.9	71.1	70.1	65.0	61.6	58.9				
	5000	39.5	57.4	65.1	69.2	71.1	70.8	69.3	65.6	62.1	59.6				
	6300	33.7	52.4	61.5	66.0	68.6	68.1	67.1	63.9	60.0	58.0				
	8000	22.5	46.7	56.6	62.2	64.9	64.9	64.4	61.2	58.0	55.0				
	10000	6.0	37.3	46.4	54.5	58.3	59.3	59.6	55.5	53.3	49.1				
OVERALL CALCULATED		75.3	81.6	85.7	88.5	88.6	88.0	87.0	85.4	84.2	82.2				
PNUM		75.7	85.6	95.2	98.7	99.8	98.7	96.7	93.3	90.1	87.6				
SIDE LINE 200. FT. (60.96 M)	50	78.5	84.7	88.0	89.3	87.6	87.6	88.0	86.9	86.6	85.4				
	63	76.7	80.3	81.9	84.5	85.8	85.3	83.9	81.8	80.5	78.3				
	80	80.7	83.7	84.8	85.6	86.4	88.2	88.6	87.2	86.6	83.2				
	100	78.5	84.3	85.9	85.8	86.6	87.6	87.5	86.9	85.8	84.9				
	125	72.8	78.1	81.8	84.2	84.0	83.3	81.7	81.4	79.8	77.8				
	160	69.1	74.7	77.7	78.6	78.2	78.2	77.7	76.3	75.4	73.0				
	200	68.6	74.3	77.6	79.0	79.9	79.2	77.6	76.2	74.9	72.5				
	250	66.6	73.4	78.2	80.1	80.5	80.1	78.5	76.7	74.8	71.9				
	315	64.1	71.8	77.5	79.5	79.7	78.5	76.9	75.3	72.4	69.3				
	400	63.3	71.3	78.2	80.9	80.3	78.5	76.6	75.1	72.9	69.5				
	500	61.3	70.2	77.5	80.3	80.2	77.6	75.6	73.8	71.5	68.7				
	630	67.5	77.0	82.4	86.1	84.3	82.3	79.0	76.7	74.2	70.6				
	800	68.6	78.3	84.0	88.0	86.4	83.7	80.7	77.9	75.0	71.7				
	1000	68.9	77.7	83.0	87.5	85.7	83.3	79.8	76.5	74.1	71.6				
	1250	68.7	76.4	83.9	87.5	86.0	84.3	80.9	77.8	75.2	72.4				
	1600	69.0	79.3	84.4	88.1	86.1	84.7	81.1	77.3	74.9	73.3				
	2000	66.8	76.4	83.8	86.9	86.9	85.4	81.9	78.7	74.8	72.5				
	2500	67.3	80.1	85.2	87.7	86.8	87.1	83.6	80.3	76.2	74.2				
	3150	66.5	78.7	84.3	86.2	87.7	86.5	84.3	79.7	75.8	73.7				
	4000	63.6	76.7	81.1	83.9	84.9	83.7	82.4	77.3	74.0	71.6				
	5000	61.5	75.1	80.7	83.5	84.7	83.9	82.1	78.3	74.9	72.0				
	6300	59.0	72.5	78.9	81.8	83.4	82.4	81.1	77.6	74.0	72.3				
	8000	53.0	70.3	76.7	80.3	81.8	81.1	80.2	76.9	73.6	71.1				
OVERALL CALCULATED	10000	43.8	65.9	72.4	75.9	78.0	78.1	78.0	73.6	71.0	67.9				
PNUM		86.1	92.8	96.4	99.0	99.0	97.9	96.5	94.5	93.1	91.1				
		92.1	103.5	108.3	110.9	111.6	110.2	106.1	104.6	101.4	99.1				

Run 44/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 NR. 19.8

		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	(5. M)																	
	80																	
VEHICLE	UTMSIM	125	95.0	91.0	84.0	85.0	87.0	88.3	89.5	90.0	89.0	88.0					122.8	
CONFIC	B+2	100	96.5	102.3	102.0	103.0	100.3	97.8	97.3	98.0	95.8	95.3					127.7	
LCC	SCHENECTADY	200	98.3	98.0	98.2	98.7	98.7	97.7	95.7	93.2	91.8	90.8					130.2	
DATE	7/22/75	250	102.2	100.7	99.7	99.2	99.2	100.0	99.2	98.5	97.5	95.3					132.7	
RUN	4477	315	100.5	102.2	101.5	100.5	99.5	99.5	99.5	99.2	98.0	98.0					133.3	
TAPE		400	95.0	96.3	97.7	97.5	97.0	95.5	93.8	93.3	92.3	90.3					128.8	
BAR	29.7 HG	500	92.0	92.3	93.0	92.5	91.5	90.3	89.5	88.8	87.5	85.0					124.1	
	(00245. N/M2)	630	91.3	92.8	93.3	93.8	92.7	91.8	89.8	88.5	86.8	85.0					124.7	
TANB	79. DEG F	800	89.5	91.3	94.0	94.5	93.2	92.1	90.5	88.3	86.5	85.1					124.8	
	(299. DEG K)	1000	87.0	90.0	93.2	94.0	93.2	90.6	88.8	87.3	84.8	82.0					124.0	
TNET	69. DEG F	1250	86.0	90.0	94.5	95.0	93.5	91.3	89.1	87.1	85.0	82.3					124.0	
	(294. DEG K)	1600	84.8	89.3	93.3	95.3	93.2	90.6	87.6	86.1	84.3	81.4					124.1	
MACT	14.86 GH/M3	2000	84.8	89.8	92.3	95.0	93.0	90.1	87.1	85.2	83.3	81.1					123.7	
	(.01486 KG/M3)	2500	91.0	95.3	97.0	99.5	96.2	93.4	90.1	87.9	85.5	82.8					127.7	
NFA	9725. RPM	3153	93.7	98.6	100.5	103.2	100.1	96.8	93.8	91.7	88.7	84.9					131.3	
	(1010. RAD/SEC)	4000	93.4	98.0	100.2	101.8	99.5	96.0	92.3	88.9	87.4	84.5					130.4	
NFK	9543. RPM	5000	93.1	97.7	100.1	102.0	103.7	97.4	93.5	90.3	87.5	85.5					131.0	
	(999. RAD/SEC)	6300	96.1	101.1	102.3	104.5	103.2	99.1	94.8	91.2	89.2	87.7					133.6	
NFD	11517. RPM	8000	92.9	98.7	100.6	101.4	100.1	98.2	94.4	91.6	87.9	86.1					131.3	
	(1206. RAD/SEC)	10000	93.6	101.4	102.7	102.8	102.1	100.0	96.7	93.1	89.4	88.1					133.3	
NO. OF BLADES	18	12500	93.5	100.7	101.6	102.3	101.8	99.3	97.0	93.2	89.1	87.4					133.0	
FAN TIP SPEED		16000	91.5	96.9	99.2	100.7	99.3	97.3	96.0	90.7	87.3	85.9					131.3	
	849. FT/SEC	20000	89.9	97.4	98.5	99.5	98.3	97.1	95.7	91.5	87.8	86.6					131.0	
		25000	89.6	95.5	98.0	98.6	98.1	96.2	94.9	91.6	87.3	86.9					130.9	
		31500	86.3	94.5	96.7	97.2	96.6	95.5	94.2	90.4	87.0	85.3					130.7	
		40000	79.9	91.9	93.2	93.7	93.8	92.8	92.0	87.1	85.3	83.1					129.2	
		50000	75.1	88.2	88.9	88.9	90.2	88.3	86.6	83.0	81.7	78.5					128.9	
		63000	74.4	82.0	81.7	81.9	83.8	83.1	82.2	76.8	74.7	71.0					123.3	
		80000	80.2	82.5	81.5	82.1	82.8	82.0	82.4	79.8	72.5	69.9					127.1	
OVERALL MEASURED																		
OVERALL CALCULATED			109.0	112.0	113.0	114.0	112.7	110.7	108.9	106.8	105.1	103.7					144.7	
PWLS			118.8	122.7	124.1	125.9	124.1	121.3	118.4	116.4	114.1	111.9						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM, DAY)

	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
SIDE LINE 500. FT. (152.40 M)	50	68.7	76.7	79.1	81.9	80.3	78.6	78.5	77.4	77.1	76.2	
	63	67.7	72.1	75.1	77.4	76.6	76.4	76.9	74.5	72.9	71.2	
	80	71.3	74.5	76.3	77.6	78.9	80.4	80.1	79.5	78.4	79.7	
NFA 2739. RPM (287. RAD/SEC)	100	69.1	75.6	77.7	78.6	78.9	76.7	80.2	80.1	78.7	77.0	
	125	63.1	69.2	73.7	75.4	76.2	75.6	74.3	73.9	72.8	70.3	
NFK 2688. RPM (281. RAD/SEC)	100	59.5	64.8	68.6	70.1	70.4	70.1	69.8	69.2	67.8	65.4	
	200	58.2	64.9	68.6	71.1	71.5	71.4	69.9	68.8	66.9	65.2	
NFD 3244. RPM (340. RAD/SEC)	250	55.9	63.0	69.0	71.6	71.7	71.4	70.4	68.3	66.4	64.4	
	315	52.8	61.3	67.9	70.8	71.4	69.7	68.4	67.1	64.4	61.7	
AIRFLOW RATIO NF/PM 12.60	400	51.1	60.9	68.7	72.5	71.4	70.2	68.5	66.7	64.5	61.2	
	500	49.2	59.6	67.1	71.4	70.9	69.2	66.5	65.5	63.5	60.0	
	630	54.7	65.1	70.5	75.3	73.5	71.7	69.1	67.0	64.4	61.0	
VEHICLE CONFIG UTMSM 8x2	800	55.6	67.8	73.5	78.6	77.2	74.9	72.3	70.5	67.3	62.9	
LOC SCHENECTADY	1000	55.4	66.6	72.7	76.8	76.2	73.8	70.7	67.4	65.7	62.3	
DATE 7/22/75	1250	54.0	65.6	72.1	76.6	77.0	74.8	71.5	68.5	65.5	62.9	
RUN 44/7	1600	55.9	68.1	73.0	78.5	79.0	76.1	72.4	69.0	66.0	64.7	
TAPE	2000	51.3	64.9	71.3	74.9	75.5	74.8	71.6	69.0	65.1	62.6	
FAN TIP SPEED 649. FT/SEC	2500	51.0	66.8	72.7	75.9	77.0	76.2	73.5	70.1	66.2	64.2	
	3150	48.9	64.8	70.9	74.6	76.1	74.9	73.3	69.6	65.4	63.0	
	4000	43.7	61.1	66.9	71.8	72.6	72.0	71.5	66.5	62.8	60.0	
	5000	40.7	58.0	65.6	70.2	71.3	71.5	71.0	67.8	63.1	61.0	
	6300	35.4	53.6	62.7	67.5	69.5	69.3	68.8	65.8	61.2	60.0	
	8000	24.4	47.6	57.7	63.1	65.6	66.3	66.0	62.6	58.9	56.1	
OVERALL CALCULATED	10000	7.4	36.1	49.3	55.6	59.4	60.6	61.1	56.6	54.4	50.9	
	PNDB	76.2	82.7	86.3	89.3	89.4	88.7	87.6	86.2	84.7	82.7	
		77.2	80.0	85.9	89.5	100.3	99.4	97.6	94.7	91.3	88.6	

SIDE LINE 200. FT. (60.96 M)	50	78.5	85.7	87.7	90.3	88.6	86.8	86.8	85.6	85.3	84.4	
	63	77.7	81.3	83.9	86.0	87.0	86.8	86.4	85.2	82.8	81.2	79.6
	80	81.7	83.9	85.3	86.3	87.4	88.9	88.0	88.0	86.9	84.2	
	100	79.8	85.3	86.9	87.5	87.6	88.4	88.8	88.7	87.3	85.7	
	125	74.1	79.1	83.0	84.4	85.0	84.3	83.0	82.6	81.5	79.1	
	160	70.8	75.0	78.2	79.3	79.5	79.0	78.7	78.1	76.7	74.3	
	200	69.6	75.3	78.3	80.5	80.6	80.4	78.9	77.7	75.9	74.2	
	250	67.9	73.7	78.9	81.1	81.0	80.6	79.5	77.4	75.5	73.0	
	315	65.1	72.3	78.0	80.5	80.9	79.0	77.7	76.3	73.7	71.0	
	400	63.6	72.1	79.2	82.4	81.1	79.7	77.9	76.1	73.9	70.7	
	500	62.3	71.2	77.8	81.5	80.7	78.9	76.3	75.0	73.0	69.7	
	630	68.2	77.0	81.4	85.6	83.6	81.6	78.8	76.7	74.2	70.8	
	800	70.6	80.0	84.7	89.2	87.4	84.9	82.2	80.4	77.3	73.0	
	1000	69.9	78.2	84.2	87.7	86.7	84.0	80.8	77.5	75.9	72.0	
	1250	69.2	78.6	83.9	87.7	87.8	85.3	81.9	78.9	75.9	73.4	
	1600	71.7	81.8	85.9	90.1	90.1	86.9	83.1	79.6	77.4	75.5	
	2000	68.0	79.1	84.0	86.8	86.9	85.9	82.6	79.9	76.1	73.7	
	2500	68.5	81.0	85.9	88.2	88.8	87.6	84.8	81.3	77.5	75.7	
	3150	67.7	80.5	84.8	87.5	88.4	86.8	85.0	81.4	77.1	74.9	
	4000	64.6	78.1	81.8	85.6	85.7	84.7	83.9	78.8	75.2	73.3	
	5000	62.7	76.4	81.2	84.4	84.6	84.6	83.6	79.7	75.9	74.1	
	6300	60.7	73.7	80.1	83.3	84.3	83.5	82.8	79.7	75.2	74.2	
	8000	54.9	71.2	77.9	81.2	82.4	81.6	79.2	74.6	72.5	69.7	
OVERALL CALCULATED	10000	45.1	66.7	73.2	79.9	79.1	79.4	79.4	74.7	72.6	69.7	
	PNDB	87.1	93.5	97.0	99.8	99.7	98.6	97.3	95.5	93.7	91.7	
		93.4	104.4	106.9	111.8	112.2	110.9	109.1	106.0	102.7	100.4	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F., 70 PERCENT REL. HUM., DAY)														
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)												
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
SIDELINE 500. FT. (152.40 M)	50	69.4	70.0	80.6	82.6	81.8	77.9	78.3	77.2	70.6	70.4	63.0	64.5	61.2
	63	68.9	74.1	76.6	78.6	80.1	79.4	77.9	75.5	73.9	72.6	65.0	66.5	63.2
	80	71.3	75.7	77.8	78.4	79.4	80.4	81.4	80.3	78.9	76.0	68.0	69.5	66.2
NFA 2841. RPM (298. RAD/SEC)	100	69.4	78.3	78.7	79.9	80.4	81.0	81.2	80.9	79.2	78.3	70.0	71.5	68.2
	125	64.1	70.5	75.2	77.1	77.7	77.1	75.8	75.2	74.1	71.9	63.0	64.5	61.2
NFA 2783. RPM (291. RAD/SEC)	100	59.8	66.1	69.9	71.6	71.7	71.8	71.3	70.5	69.1	66.4	58.0	59.5	56.2
	200	59.0	65.9	70.1	72.4	72.5	72.4	71.4	70.0	68.4	66.2	57.0	58.5	55.2
	250	57.2	64.0	69.2	72.3	72.7	71.9	71.2	69.3	67.4	64.9	55.0	56.5	53.2
NFA 3244. RPM (340. RAD/SEC)	315	53.5	61.6	69.1	71.0	71.7	70.7	69.2	67.9	65.7	62.7	53.0	54.5	51.2
	400	52.1	61.0	68.8	72.0	72.2	71.2	69.2	67.9	65.2	62.5	52.0	53.5	50.2
AIRFLOW RATIO AF/AM 12:00	500	49.5	60.4	67.6	71.9	72.1	70.0	67.6	66.2	64.5	61.2	51.0	52.5	49.2
	630	53.7	64.1	70.2	74.5	73.3	71.7	68.8	67.0	64.7	61.0	51.0	52.5	49.2
	800	57.9	68.8	74.5	78.6	78.2	75.4	72.8	69.3	67.1	63.2	53.0	54.5	51.2
VEHICLE UT-51M CONFIG B-2	1000	56.4	67.3	73.4	77.6	78.0	75.0	72.4	68.4	66.2	62.3	52.0	53.5	50.2
	1250	55.1	66.3	72.6	77.3	77.5	74.8	72.0	68.0	65.8	61.9	51.0	52.5	49.2
LOC SCHEENECTADY	1600	57.9	69.1	75.4	79.6	79.3	77.4	73.7	70.7	68.3	65.7	55.0	56.5	53.2
DATE 7/22/75	2000	52.3	65.4	72.0	75.7	76.8	75.5	72.9	70.0	68.4	64.9	54.0	55.5	52.2
RUN 44/P	2500	52.2	67.3	73.7	76.9	78.6	77.7	75.1	71.7	67.7	64.8	54.0	55.5	52.2
TAPE	3150	49.0	65.8	71.9	76.1	76.7	76.4	74.6	71.1	67.1	64.2	53.0	54.5	51.2
FAN TIP SPEED 603. FT/SEC	4000	45.0	62.1	68.6	72.6	73.9	73.3	72.6	68.3	64.8	61.9	51.0	52.5	49.2
	5000	41.0	59.9	67.4	71.7	72.9	73.1	72.3	68.8	65.9	62.0	51.0	52.5	49.2
	6300	36.4	55.4	63.8	69.0	70.6	70.6	69.9	66.9	63.0	60.1	49.0	50.5	47.2
	8000	25.3	48.7	59.6	65.0	66.9	68.2	67.2	64.7	61.0	58.0	47.0	48.5	45.2
	10000	8.1	39.3	51.0	57.1	60.6	61.6	62.0	58.5	56.3	52.1	41.0	42.5	39.2
OVERALL CALCULATED	ATCU	76.7	83.8	87.5	90.2	90.5	89.5	88.5	87.0	85.3	83.5	72.0	73.5	70.2
	PNUB	76.5	90.8	97.0	100.6	101.5	100.6	98.8	95.9	92.5	90.0	81.0	82.5	79.2
SIDELINE 200. FT. (63.00 M)	50	79.2	87.0	89.2	91.1	90.1	86.1	86.5	85.4	84.8	84.7	76.0	77.5	74.2
	63	79.0	83.3	85.4	87.2	88.5	87.8	86.2	83.8	82.2	80.3	71.0	72.5	69.2
	80	81.7	85.2	86.8	87.1	87.9	88.9	89.8	88.7	87.4	84.5	75.0	76.5	73.2
	100	80.0	80.0	87.9	88.8	89.1	89.6	89.8	89.4	87.8	86.9	77.0	78.5	75.2
	125	75.1	80.4	84.5	86.2	86.5	85.8	84.5	83.9	82.8	80.4	71.0	72.5	69.2
	160	71.1	76.2	79.4	80.8	80.7	80.7	80.2	79.3	77.9	75.3	66.0	67.5	64.2
	200	70.6	76.3	79.8	81.7	81.6	81.4	80.4	79.0	77.4	75.2	66.0	67.5	64.2
	250	69.1	74.7	79.2	81.9	82.0	81.1	80.3	78.4	76.5	74.1	65.0	66.5	63.2
	315	65.8	72.5	79.3	80.8	81.2	80.0	78.4	77.1	74.9	72.8	63.0	64.5	61.2
	400	64.8	72.8	79.2	81.9	81.8	80.7	78.6	77.3	74.6	72.0	63.0	64.5	61.2
	500	62.5	71.9	78.3	82.0	82.0	79.6	77.3	75.8	74.0	70.9	61.0	62.5	59.2
	630	67.2	76.0	81.1	84.9	83.3	81.6	78.5	76.7	74.4	70.6	61.0	62.5	59.2
	800	71.8	81.0	85.7	89.2	88.4	85.4	81.9	79.2	77.0	73.2	63.0	64.5	61.2
	1000	70.9	80.0	85.0	88.5	88.5	85.3	82.6	78.5	76.4	73.0	63.0	64.5	61.2
	1250	70.2	79.4	84.5	88.5	88.3	85.3	82.4	79.4	76.9	73.0	63.0	64.5	61.2
	1600	73.8	82.8	87.7	91.3	90.3	88.2	84.3	81.3	79.0	76.5	66.0	67.5	64.2
	2000	69.1	79.8	84.8	87.6	88.2	86.6	83.8	80.9	77.3	75.0	65.0	66.5	63.2
	2500	69.8	82.1	87.0	89.2	90.3	89.1	86.3	82.8	79.0	76.2	66.0	67.5	64.2
	3150	68.5	81.5	85.8	89.0	88.9	88.3	86.3	82.7	78.9	76.2	66.0	67.5	64.2
	4000	65.9	79.1	83.8	86.4	87.0	85.9	84.9	80.6	77.2	74.6	64.0	65.5	62.2
	5000	63.5	77.7	83.0	86.0	86.4	86.1	85.1	81.5	78.7	75.6	64.0	65.5	62.2
	6300	61.8	75.5	81.2	84.8	85.4	84.9	83.8	80.8	77.0	75.0	64.0	65.5	62.2
	8000	55.8	72.3	79.7	83.1	83.8	84.3	82.8	80.4	76.8	74.1	64.0	65.5	62.2
	10000	45.8	67.9	74.9	78.4	80.3	80.3	80.3	76.8	74.6	70.9	60.0	61.5	58.2
OVERALL CALCULATED	ATCU	67.7	84.6	91.2	100.7	100.8	99.6	98.3	96.3	94.4	92.5	81.0	82.5	79.2
	PNUB	64.4	105.4	110.1	113.0	113.2	112.1	110.2	107.2	104.2	101.0	91.0	92.5	89.2

ORIGINAL PAGE IS OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)
SIDE LINE 500. Fy. (152.40 M)	50	78.7	79.8	81.6	81.1	77.9	77.5	77.4	78.5	78.8		
	63	70.7	74.1	78.6	80.8	82.1	81.2	79.1	77.0	75.4		
	80	72.1	75.7	78.3	80.1	81.1	82.4	82.4	81.0	79.8		
NFA 2976. RPM (312. RAD/SEC)	100	70.1	76.3	79.7	81.1	81.6	82.2	83.2	82.4	80.2		
	125	65.8	70.7	75.7	78.1	78.9	78.6	77.0	76.4	75.3		
	150	61.8	66.6	71.1	72.9	73.2	73.1	72.8	72.0	70.5		
NFK 2912. RPM (305. RAD/SEC)	200	60.7	68.2	71.3	73.1	74.0	73.9	72.9	71.3	69.9		
	250	58.4	70.5	70.7	73.3	74.2	73.4	72.7	71.1	69.1		
NFD 3244. RPM (340. RAD/SEC)	300	55.0	67.6	69.6	72.3	72.7	72.2	70.9	69.1	66.9		
	400	53.1	61.6	69.8	73.2	73.4	72.0	70.5	68.7	66.4		
AIRFLOW RATIO	500	50.5	61.6	68.1	72.4	72.6	70.2	69.0	67.5	64.7		
M/F/M 12.60	600	51.0	60.9	67.5	72.5	71.8	70.7	68.5	66.3	64.6		
	800	52.8	66.8	70.0	73.9	73.4	71.6	69.2	67.5	65.1		
VEHICLE UTMSH	1000	57.4	67.4	75.0	79.7	79.5	78.0	73.4	70.7	68.0		
CONFIG 9+2	1250	57.4	66.9	74.1	78.1	79.3	78.1	73.3	70.1	67.8		
LOC SCHEMATIC	1500	55.0	65.7	73.4	77.2	78.5	75.3	73.3	70.1	67.0		
DATE 7/22/75	2000	59.0	67.7	77.1	81.8	82.9	80.3	77.2	73.0	69.8		
RUN 44/10	2500	52.5	65.2	72.8	75.8	77.0	76.0	73.7	70.8	67.1		
TAPE	3150	51.0	67.1	73.3	77.1	78.9	78.4	75.8	72.7	68.4		
FAN TIP SPEED	4000	47.9	64.1	71.7	75.1	76.6	76.5	75.2	71.4	67.2		
922. FT/SEC	5000	44.4	60.8	68.7	72.8	74.9	74.4	73.4	69.4	65.8		
	6300	37.4	56.9	65.7	70.2	72.5	71.8	71.9	68.4	64.9		
	8000	29.1	49.1	60.7	68.0	69.0	69.2	66.2	62.1	59.9		
	10000	14.8	41.0	54.0	60.5	64.3	64.6	65.1	62.2	60.9		
OVERALL CALCULATED	PNWB	77.6	83.7	88.1	90.9	91.7	90.7	89.7	88.1	86.1		
		80.2	91.4	98.1	102.0	103.2	101.9	100.1	97.2	93.9		
SIDE LINE 200. Fy. (60.96 M)	50	79.7	85.7	88.2	90.1	89.4	86.1	85.8	85.6	84.8		
	63	80.7	83.3	87.4	89.2	90.5	89.5	87.4	85.3	83.7		
	80	82.5	85.2	87.3	88.8	89.7	90.9	90.8	89.5	88.1		
	100	80.8	86.0	88.9	90.0	90.4	90.9	91.8	90.9	88.8		
	125	76.6	80.8	85.0	87.2	87.8	87.3	85.7	85.1	84.9		
	150	72.3	76.7	81.7	82.1	82.2	82.0	81.7	80.8	79.4		
	200	72.3	78.6	81.1	82.5	83.1	82.9	81.9	80.2	78.8		
	250	70.4	81.2	80.7	82.9	83.5	82.6	81.8	80.2	78.2		
	315	67.3	78.5	79.8	82.0	82.2	81.5	80.2	78.3	76.2		
	400	65.8	72.8	80.2	83.2	83.1	81.5	79.9	78.1	75.8		
	500	63.5	73.2	78.8	82.5	82.5	79.9	78.6	77.0	74.2		
	630	64.5	72.7	78.4	82.9	81.9	80.5	78.3	76.0	74.4		
	800	66.6	79.0	81.2	84.5	83.7	81.7	79.2	77.4	75.0		
	1000	72.0	80.0	86.5	90.5	90.0	86.3	83.6	80.6	78.1		
	1250	72.5	79.9	86.0	89.3	90.1	88.6	83.7	80.4	77.9		
	1500	70.9	79.3	85.7	88.8	89.6	86.1	84.0	80.7	77.7		
	2000	75.7	81.9	89.9	93.6	94.4	91.5	88.2	83.9	80.7		
	2500	70.0	80.0	85.8	88.1	88.7	87.5	84.9	82.0	78.4		
	3150	69.9	82.7	87.2	90.0	91.2	90.3	87.5	84.3	80.1		
	4000	68.7	81.1	86.6	88.9	89.7	89.1	87.6	83.8	79.6		
	5000	66.4	78.8	84.2	87.1	88.4	87.4	85.2	82.1	78.4		
	6300	62.7	77.0	83.1	86.6	87.3	86.1	85.8	82.3	78.9		
	8000	59.6	72.7	80.9	84.1	85.9	85.2	84.9	81.9	77.8		
	10000	52.6	69.6	78.0	81.8	84.0	83.4	83.3	80.3	77.1		
OVERALL CALCULATED	PNWB	88.7	94.6	99.0	101.6	102.2	100.8	99.8	97.5	95.3		
		96.8	106.1	111.1	114.1	114.9	113.5	111.5	108.8	105.3		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 150, DEG. P, 70 PERCENT REL. HUM, DAY

ANGLES FROM INLET IN DEGREES (AND RADIAN'S)

	FREQ.	20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										0. 0. 0. 0. 0. 0. 0. 0. 0. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	(3.15)	(3.32)	(3.50)	(3.67)	(3.85)	(4.02)	(4.20)	(4.37)	(4.55)	(4.72)	(4.90)	(5.07)	(5.25)	(5.42)	(5.60)	(5.77)	(5.95)	(6.12)	(6.29)	(6.47)	(6.64)	(6.82)	(6.99)	(7.17)	(7.34)	(7.52)	(7.69)	(7.87)	(8.04)	(8.22)	(8.39)	(8.57)	(8.74)	(8.92)	(9.09)	(9.27)	(9.44)	(9.62)	(9.79)	(9.97)	(10.14)	(10.32)	(10.49)	(10.67)	(10.84)	(11.02)	(11.19)	(11.37)	(11.54)	(11.72)	(11.89)	(12.07)	(12.24)	(12.42)	(12.59)	(12.77)	(12.94)	(13.12)	(13.29)	(13.47)	(13.64)	(13.82)	(13.99)	(14.17)	(14.34)	(14.52)	(14.69)	(14.87)	(15.04)	(15.22)	(15.39)	(15.57)	(15.74)	(15.92)	(16.09)	(16.27)	(16.44)	(16.62)	(16.79)	(16.97)	(17.14)	(17.32)	(17.49)	(17.67)	(17.84)	(18.02)	(18.19)	(18.37)	(18.54)	(18.72)	(18.89)	(19.07)	(19.24)	(19.42)	(19.59)	(19.77)	(19.94)	(20.12)	(20.29)	(20.47)	(20.64)	(20.82)	(20.99)	(21.17)	(21.34)	(21.52)	(21.69)	(21.87)	(22.04)	(22.22)	(22.39)	(22.57)	(22.74)	(22.92)	(23.09)	(23.27)	(23.44)	(23.62)	(23.79)	(23.97)	(24.14)	(24.32)	(24.49)	(24.67)	(24.84)	(25.02)	(25.19)	(25.37)	(25.54)	(25.72)	(25.89)	(26.07)	(26.24)	(26.42)	(26.59)	(26.77)	(26.94)	(27.12)	(27.29)	(27.47)	(27.64)	(27.82)	(27.99)	(28.17)	(28.34)	(28.52)	(28.69)	(28.87)	(29.04)	(29.22)	(29.39)	(29.57)	(29.74)	(29.92)	(30.09)	(30.27)	(30.44)	(30.62)	(30.79)	(30.97)	(31.14)	(31.32)	(31.49)	(31.67)	(31.84)	(32.02)	(32.19)	(32.37)	(32.54)	(32.72)	(32.89)	(33.07)	(33.24)	(33.42)	(33.59)	(33.77)	(33.94)	(34.12)	(34.29)	(34.47)	(34.64)	(34.82)	(34.99)	(35.17)	(35.34)	(35.52)	(35.69)	(35.87)	(36.04)	(36.22)	(36.39)	(36.57)	(36.74)	(36.92)	(37.09)	(37.27)	(37.44)	(37.62)	(37.79)	(37.97)	(38.14)	(38.32)	(38.49)	(38.67)	(38.84)	(39.02)	(39.19)	(39.37)	(39.54)	(39.72)	(39.89)	(40.07)	(40.24)	(40.42)	(40.59)	(40.77)	(40.94)	(41.12)	(41.29)	(41.47)	(41.64)	(41.82)	(41.99)	(42.17)	(42.34)	(42.52)	(42.69)	(42.87)	(43.04)	(43.22)	(43.39)	(43.57)	(43.74)	(43.92)	(44.09)	(44.27)	(44.44)	(44.62)	(44.79)	(44.97)	(45.14)	(45.32)	(45.49)	(45.67)	(45.84)	(46.02)	(46.19)	(46.37)	(46.54)	(46.72)	(46.89)	(47.07)	(47.24)	(47.42)	(47.59)	(47.77)	(47.94)	(48.12)	(48.29)	(48.47)	(48.64)	(48.82)	(48.99)	(49.17)	(49.34)	(49.52)	(49.69)	(49.87)	(50.04)	(50.22)	(50.39)	(50.57)	(50.74)	(50.92)	(51.09)	(51.27)	(51.44)	(51.62)	(51.79)	(51.97)	(52.14)	(52.32)	(52.49)	(52.67)	(52.84)	(53.02)	(53.19)	(53.37)	(53.54)	(53.72)	(53.89)	(54.07)	(54.24)	(54.42)	(54.59)	(54.77)	(54.94)	(55.12)	(55.29)	(55.47)	(55.64)	(55.82)	(55.99)	(56.17)	(56.34)	(56.52)	(56.69)	(56.87)	(57.04)	(57.22)	(57.39)	(57.57)	(57.74)	(57.92)	(58.09)	(58.27)	(58.44)	(58.62)	(58.79)	(58.97)	(59.14)	(59.32)	(59.49)	(59.67)	(59.84)	(60.02)	(60.19)	(60.37)	(60.54)	(60.72)	(60.89)	(61.07)	(61.24)	(61.42)	(61.59)	(61.77)	(61.94)	(62.12)	(62.29)	(62.47)	(62.64)	(62.82)	(62.99)	(63.17)	(63.34)	(63.52)	(63.69)	(63.87)	(64.04)	(64.22)	(64.39)	(64.57)	(64.74)	(64.92)	(65.09)	(65.27)	(65.44)	(65.62)	(65.79)	(65.97)	(66.14)	(66.32)	(66.49)	(66.67)	(66.84)	(67.02)	(67.19)	(67.37)	(67.54)	(67.72)	(67.89)	(68.07)	(68.24)	(68.42)	(68.59)	(68.77)	(68.94)	(69.12)	(69.29)	(69.47)	(69.64)	(69.82)	(69.99)	(70.17)	(70.34)	(70.52)	(70.69)	(70.87)	(71.04)	(71.22)	(71.39)	(71.57)	(71.74)	(71.92)	(72.09)	(72.27)	(72.44)	(72.62)	(72.79)	(72.97)	(73.14)	(73.32)	(73.49)	(73.67)	(73.84)	(74.02)	(74.19)	(74.37)	(74.54)	(74.72)	(74.89)	(75.07)	(75.24)	(75.42)	(75.59)	(75.77)	(75.94)	(76.12)	(76.29)	(76.47)	(76.64)	(76.82)	(76.99)	(77.17)	(77.34)	(77.52)	(77.69)	(77.87)	(78.04)	(78.22)	(78.39)	(78.57)	(78.74)	(78.92)	(79.09)	(79.27)	(79.44)	(79.62)	(79.79)	(79.97)	(80.14)	(80.32)	(80.49)	(80.67)	(80.84)	(81.02)	(81.19)	(81.37)	(81.54)	(81.72)	(81.89)	(82.07)	(82.24)	(82.42)	(82.59)	(82.77)	(82.94)	(83.12)	(83.29)	(83.47)	(83.64)	(83.82)	(83.99)	(84.17)	(84.34)	(84.52)	(84.69)	(84.87)	(85.04)	(85.22)	(85.39)	(85.57)	(85.74)	(85.92)	(86.09)	(86.27)	(86.44)	(86.62)	(86.79)	(86.97)	(87.14)	(87.32)	(87.49)	(87.67)	(87.84)	(88.02)	(88.19)	(88.37)	(88.54)	(88.72)	(88.89)	(89.07)	(89.24)	(89.42)	(89.59)	(89.77)	(89.94)	(90.12)	(90.29)	(90.47)	(90.64)	(90.82)	(90.99)	(91.17)	(91.34)	(91.52)	(91.69)	(91.87)	(92.04)	(92.22)	(92.39)	(92.57)	(92.74)	(92.92)	(93.09)	(93.27)	(93.44)	(93.62)	(93.79)	(93.97)	(94.14)	(94.32)	(94.49)	(94.67)	(94.84)	(95.02)	(95.19)	(95.37)	(95.54)	(95.72)	(95.89)	(96.07)	(96.24)	(96.42)	(96.59)	(96.77)	(96.94)	(97.12)	(97.29)	(97.47)	(97.64)	(97.82)	(97.99)	(98.17)	(98.34)	(98.52)	(98.69)	(98.87)	(99.04)	(99.22)	(99.39)	(99.57)	(99.74)	(99.92)	(100.09)	(100.27)	(100.44)	(100.62)	(100.79)	(100.97)	(101.14)	(101.32)	(101.49)	(101.67)	(101.84)	(102.02)	(102.19)	(102.37)	(102.54)	(102.72)	(102.89)	(103.07)	(103.24)	(103.42)	(103.59)	(103.77)	(103.94)	(104.12)	(104.29)	(104.47)	(104.64)	(104.82)	(104.99)	(105.17)	(105.34)	(105.52)	(105.69)	(105.87)	(106.04)	(106.22)	(106.39)	(106.57)	(106.74)	(106.92)	(107.09)	(107.27)	(107.44)	(107.62)	(107.79)	(107.97)	(108.14)	(108.32)	(108.49)	(108.67)	(108.84)	(109.02)	(109.19)	(109.37)	(109.54)	(109.72)	(109.89)	(110.07)	(110.24)	(110.42)	(110.59)	(110.77)	(110.94)	(111.12)	(111.29)	(111.47)	(111.64)	(111.82)	(111.99)	(112.17)	(112.34)	(112.52)	(112.69)	(112.87)	(113.04)	(113.22)	(113.39)	(113.57)	(113.74)	(113.92)	(114.09)	(114.27)	(114.44)	(114.62)	(114.79)	(114.97)	(115.14)	(115.32)	(115.49)	(115.67)	(115.84)	(116.02)	(116.19)	(116.37)	(116.54)	(116.72)	(116.89)	(117.07)	(117.24)	(117.42)	(117.59)	(117.77)	(117.94)	(118.12)	(118.29)	(118.47)	(118.64)	(118.82)	(118.99)	(119.17)	(119.34)	(119.52)	(119.69)	(119.87)	(120.04)	(120.22)	(120.39)	(120.57)	(120.74)	(120.92)	(121.09)	(121.27)	(121.44)	(121.62)	(121.79)	(121.97)	(122.14)	(122.32)	(122.49)	(122.67)	(122.84)	(123.02)	(123.19)	(123.37)	(123.54)	(123.72)	(123.89)	(124.07)	(124.24)	(124.42)	(124.59)	(124.77)	(124.94)	(125.12)	(125.29)	(125.47)	(125.64)	(125.82)	(125.99)	(126.17)	(126.34)	(126.52)	(126.69)	(126.87)	(127.04)	(127.22)	(127.39)	(127.57)	(127.74)	(127.92)	(128.09)	(128.27)	(128.44)	(128.62)	(128.79)	(128.97)	(129.14)	(129.32)	(129.49)	(129.67)	(129.84)	(129.92)	(130.09)	(130.27)	(130.44)	(130.62)	(130.79)	(130.97)	(131.14)	(131.32)	(131.49)	(131.67)	(131.84)	(132.02)	(132.19)	(132.37)	(132.54)	(132.72)	(132.89)	(133.07)	(133.24)	(133.42)	(133.59)	(133.77)	(133.94)	(134.12)	(134.29)	(134.47)	(134.64)	(134.82)	(134.99)	(135.17)	(135.34)	(135.52)	(135.69)	(135.87)	(136.04)	(136.22)	(136.39)	(136.57)	(136.74)	(136.92)	(137.09)	(137.27)	(137.44)	(137.62)	(137.79)	(137.97)	(138.14)	(138.32)	(138.49)	(138.67)	(138.84)	(139.02)	(139.19)	(139.37)	(139.54)	(139.72)	(139.89)	(140.07)	(140.24)	(140.42)	(140.59)	(140.77)	(140.94)	(141.12)	(141.29)	(141.47)	(141.64)	(141.82)	(141.99)	(142.17)	(142.34)	(142.52)	(142.69)	(142.87)	(143.04)	(143.22)	(143.39)	(143.57)	(143.74)	(143.92)	(144.09)	(144.27)	(144.44)	(144.62)	(144.79)	(144.97)	(145.14)	(145.32)	(145.49)	(145.67)	(145.84)	(146.02)	(146.19)	(146.37)	(146.54)	(146.72)	(146.89)	(147.07)	(147.24)	(147.42)	(147.59)	(147.77)	(147.94)	(148.12)	(148.29)	(148.47)	(148.64)	(148.82)	(148.99)	(149.17)	(149.34)	(149.52)	(149.69)	(149.87)	(150.04)	(150.22)	(150.39)	(150.57)	(150.74)	(150.92)	(151.09)	(151.27)	(151.44)	(151.62)	(151.79)	(151.97)	(152.14)	(152.32)	(152.49)	(152.67)	(152.84)	(153.02)	(153.19)	(153.37)	(153.54)	(153.72)	(153.89)	(154.07)	(154.24)	(154.42)	(154.59)	(154.77)	(154.94)	(155.12)	(155.29)	(155.47)	(155.64)	(155.82)	(155.99)	(156.17)	(156.34)	(156.52)	(156.69)	(156.87)	(157.04)	(157.22)	(157.39)	(157.57)	(157.74)	(157.92)	(158.09)	(158.27)	(158.44)	(158.62)	(158.79)	(158.97)	(159.14)	(159.32)	(159.49)	(159.67)	(159.84)	(160.02)	(160.19)	(160.37)	(160.54)	(160.72)	(160.89)	(161.07)	(161.24)	(161.42)	(161.59)	(161.77)	(161.94)	(162.12)	(162.29)	(162.47)	(162.64)	(162.82)	(162.99)	(163.17)	(163.34)	(163.52)	(163.69)	(163.87)	(164.04)	(164.22)	(164.39)	(164.57)	(164.74)	(164.92)	(165.09)	(165.27)	(165.44)	(165.62)	(165.79)	(165.97)	(166.14)	(166.32)	(166.49)	(166.67)	(166.84)	(167.02)	(167.19)	(167.37)	(167.54)	(167.72)	(167.89)	(168.07)	(168.24)	(168.42)	(168.59)	(168.77)	(168.94)	(169.12)	(169.29)	(169.47)	(169.64)	(169.82)	(169.99)	(170.17)	(170.34)	(170.52)	(170.69)	(170.87)	(171.04)	(171.22)	(171.39)	(171.57)	(171.74)	(171.92)	(172.09)	(172.27)	(172.44)	(172.62)	(172.79)	(172.97)	(173.14)	(173.32)	(173.49)	(173.67)	(173.84)	(174.02)	(174.19)	(174.37)	(174.54)	(174.72)	(174.89)	(175.07)	(175.24)	(175.42)	(175.59)	(175.77)	(175.94)	(176.12)	(176.29)	(176.47)	(176.64)	(176.82)	(176.99)	(177.17)	(177.34)	(177.52)	(177.69)	(177.87)	(178.04)	(178.22)	(178.39)	(178.57)	(178.74)	(178.92)	(179.09)	(179.27)	(179.44)	(179.62)	(179.79)	(179.97)	(180.14)	(180.32)	(180.49)	(180.67)	(180.84)	(181.02)	(181.19)	(181.37)	(181.54)	(181.72)	(181.89)	(182.07)	(182.24)	(182.42)	(182.59)	(182.77)	(182.94)	(183.12)	(183.29)	(183.47)	(183.64)	(183.82)	(183.99)	(184.17)	(184.34)	(184.52)	(184.69)	(184.87)	(185.04)	(185.22)	(185.39)	(185.57)	(185.74)	(185.92)	(186.09)	(186.27)	(186.44)	(186.62)	(186.79)	(186.97)	(187.14)	(187.32)	(187.49)	(187.67)	(187.84)	(188.02)	(188.19)	(188.37)	(188.54)	(188.72)	(188.89)	(189.07)	(189.24)	(189.42)	(189.59)	(189.77)	(189.94)	(190.12)	(190.29)	(190.47)	(190.64)	(190.82)	(190.99)	(191.17)	(191.34)	(191.52)	(191.69)	(191.87)	(192.04)	(192.22)	(192.39)	(192.57)	(192.74)	(192.92)	(193.09)	(193.27)	(193.44)	(193.62)	(193.79)	(193.97)	(194.14)	(194.32)	(194.49)	(194.67)	(194.84)	(195.02)	(195.19)	(195.37)	(195.54)	(195.72)	(195.89)	(196.07)	(196.24)	(196.42)	(196.59)	(196.77)	(196.94)	(197.12)	(197.29)	(197.47)	(197.64)	(197.82)	(197.99)	(198.17)	(198.34)	(198.52)	(198.69)	(198.87)	(199.04)	(199.22)	(199.39)	(199.57)	(199.74)	(199.92)	(200.09)	(200.27)	(200.44)	(200.62)	(200.79)	(200.97)

Run 45/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 NR. 15.0													
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.) (0.) (0.) (0.)
	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
RADIAL 17. FT.	100	89.0	88.9	82.8	84.3	86.5	88.3	88.5	89.8	89.5	88.8				
(5. M)	100	89.0	88.9	82.8	84.3	86.5	88.3	88.5	89.8	89.5	88.8				
VEHICLE UYRSIM	125	95.3	94.1	94.1	93.3	92.0	93.3	93.8	93.8	94.0	94.0				121.7
CONFIG C-1	150	91.3	93.1	94.3	94.0	91.5	92.0	91.8	90.8	90.5	90.8				127.4
LOC SCHENECTADY	200	90.5	90.1	90.8	91.7	93.2	92.8	91.3	88.8	87.0	88.1				123.7
DATE 7/22/75	250	96.8	95.9	93.3	92.2	92.5	93.8	94.0	93.3	92.3	89.8				124.3
RUN 45/1	315	94.5	96.4	94.6	94.2	91.0	91.0	91.8	91.3	90.3	89.0				127.0
TAPE	400	85.8	88.8	89.8	89.7	88.7	88.8	84.8	84.8	83.5	81.8				125.9
BAR 29.7 HG	500	82.8	85.8	85.1	83.8	82.5	81.3	80.8	79.6	78.3	76.1				120.5
(00295. N/M2)	630	84.1	86.9	87.1	86.8	85.0	83.6	81.0	79.6	77.8	76.3				115.5
TAMB 81. DEG F	800	81.3	87.8	89.1	89.3	87.2	85.6	83.3	81.1	78.8	76.8				117.3
(300. DEG K)	1000	79.8	87.8	89.8	89.5	87.5	85.1	82.5	80.8	77.8	75.3				119.0
TNET 89. DEG F	1250	80.8	87.2	91.1	90.7	88.7	86.4	83.8	82.1	78.8	75.8				116.1
(294. DEG K)	1600	80.3	87.2	91.4	92.0	90.0	88.9	84.1	82.2	79.5	75.8				120.2
HACT 14.27 CM/M3	2000	86.8	94.2	98.8	98.7	97.2	94.1	90.8	87.5	85.0	80.8				121.0
(.01427 KG/M3)	2500	87.0	95.0	98.1	99.0	97.4	94.8	91.4	88.7	85.3	81.0				127.6
NFA 7064. RPM	3150	86.5	92.9	95.8	97.4	95.8	92.8	89.1	85.7	83.0	80.1				128.1
(740. RAD/SEC)	4000	93.4	100.4	104.5	100.8	100.8	97.3	94.8	93.7	87.9	88.5				126.2
NFR 8919. RPM	5000	89.1	96.3	99.9	100.2	98.7	93.2	90.0	87.4	83.8	82.7				133.8
(724. RAD/SEC)	6300	87.4	94.0	96.8	98.0	96.2	94.4	91.9	88.2	85.0	82.5				128.7
NFD 11517. RPM	8000	87.2	94.6	96.5	97.2	95.4	93.0	88.2	84.9	81.4	80.1				127.4
(1200. RAD/SEC)	10000	86.1	95.1	98.8	98.9	95.4	92.1	88.5	84.6	80.6	79.1				126.8
NO. OF BLADES 18	12500	85.5	94.1	95.4	95.4	93.9	91.9	88.8	84.6	79.8	77.9				126.0
FAN TIP SPEED	16000	84.3	92.8	93.6	94.3	92.8	91.1	89.3	84.3	79.8	77.7				125.7
617. FT/SEC	20000	84.7	93.8	96.1	97.0	95.9	94.4	93.0	87.8	82.9	80.6				125.0
	25000	85.4	93.7	95.1	95.7	94.9	92.9	90.7	86.5	80.8	79.3				128.3
	31500	80.9	91.2	93.4	93.3	92.2	90.9	89.0	84.3	78.9	76.9				127.7
	40000	73.9	86.7	89.0	88.9	88.0	86.0	85.2	79.9	75.7	72.5				126.4
	50000	67.2	81.8	82.5	82.9	83.7	80.6	80.1	73.8	71.7	68.0				123.4
	63000	65.6	74.5	74.4	77.3	78.9	73.7	73.4	67.4	68.3	65.6				119.8
	80000	70.7	73.6	72.0	82.8	83.0	72.5	72.9	70.1	72.9	70.4				118.5
OVERALL MEASURED															123.9
OVERALL CALCULATED		103.6	107.8	110.1	111.0	108.4	106.3	104.4	102.5	100.8	99.8				
PNUM		115.2	121.1	124.2	125.5	121.7	119.0	116.5	114.9	111.0	110.2				140.8

Run 45/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 YR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
50		61.4	67.6	71.5	72.9	71.6	72.9	73.1	72.2	71.0	71.7							
63		60.2	64.3	67.4	70.4	73.1	73.4	72.4	70.0	68.1	66.7							
80		65.9	69.6	69.8	70.6	72.1	74.2	74.9	74.3	73.2	70.2							
SIDE LINE 500. FT. (152.40 M)		100	63.1	69.7	70.8	70.4	70.4	71.3	72.5	72.2	71.0	69.8						
NFA 1990. RPM		125	53.9	61.6	65.8	67.6	67.9	66.8	65.3	65.5	64.1	61.8						
(208. RAD/SEC)		160	50.1	58.2	60.7	61.4	61.4	61.1	61.1	60.0	58.6	55.9						
NFK 1949. RPM		200	51.0	59.1	62.4	64.1	63.7	63.2	61.1	59.8	57.9	55.9						
(204. RAD/SEC)		250	47.7	59.4	64.0	66.3	65.7	65.0	63.2	61.1	58.7	55.9						
NFD 3244. RPM		315	45.3	58.9	64.4	66.3	65.7	64.2	62.2	60.4	57.4	54.9						
(340. RAD/SEC)		400	45.9	58.0	65.3	67.2	66.7	65.3	63.3	61.7	58.2	54.7						
AIRFLOW RATIO		500	44.6	57.5	65.2	68.1	67.6	65.5	63.3	61.5	58.7	54.2						
R/F/AM 12.60		630	50.5	64.0	72.0	74.5	74.0	72.5	69.5	66.0	63.9	59.0						
800		49.9	64.1	71.1	74.4	74.4	72.7	70.0	67.5	63.9	59.7							
VEHICLE UTASIM		1000	48.5	61.5	68.1	72.4	72.3	70.3	67.4	64.2	61.3	57.8						
CONFIG C-1		1250	54.4	68.2	76.4	81.1	77.1	74.7	72.8	71.9	65.9	65.9						
LOC SCHENECTADY		1600	48.6	63.3	71.2	74.2	72.5	70.1	67.6	65.1	61.3	59.0						
DATE 7/22/75		2000	45.7	60.0	67.2	71.4	71.4	70.9	68.9	65.5	62.0	58.9						
RUN 45/1		2500	44.3	59.8	66.4	70.0	70.2	69.1	64.9	61.8	58.1	56.1						
TAPE		3150	41.1	58.9	65.6	68.9	69.4	67.4	64.6	61.0	58.7	54.5						
FAN TIP SPEED		4000	37.4	55.9	62.7	66.1	66.9	66.2	63.9	60.0	54.8	52.3						
617. FT/SEC		5000	34.7	53.4	60.2	64.5	65.4	65.2	64.2	59.4	54.7	51.7						
6300		29.9	51.2	60.2	65.2	66.7	66.8	66.3	61.2	56.2	53.6							
8000		22.4	45.9	55.3	60.7	62.9	62.8	61.7	57.7	51.8	49.2							
10000		7.1	36.1	46.1	53.9	56.4	57.3	56.8	52.4	48.6	43.4							
OVERALL CALCULATED		500	69.9	77.1	82.3	85.5	84.5	83.6	82.4	80.9	78.9	77.2						
PND8		71.0	84.8	91.9	95.8	94.7	93.6	91.6	88.8	85.0	82.6							

50		71.2	76.6	80.1	81.3	79.9	81.1	81.3	80.4	80.0	79.9						
63		70.3	73.5	76.2	79.0	81.5	81.8	80.7	78.4	76.5	75.1						
80		76.3	79.1	78.8	79.3	80.7	82.7	83.4	82.8	81.8	78.7						
SIDE LINE 200. FT. (60.96 M)		100	73.6	79.4	80.0	79.3	79.1	79.9	81.0	80.7	79.6	78.4					
125		64.9	71.5	75.1	76.7	76.8	75.6	74.0	74.2	72.8	70.6						
150		61.4	68.4	70.3	70.6	70.5	70.0	69.9	68.9	67.4	64.0						
200		62.6	69.5	72.1	73.5	72.9	72.2	70.1	68.8	66.9	65.0						
250		59.6	70.1	74.0	75.9	75.0	74.2	72.3	70.2	67.8	65.1						
315		57.6	69.9	74.6	76.0	75.2	73.6	71.5	69.6	66.7	63.8						
400		58.6	69.2	75.8	77.2	76.3	74.8	72.7	71.1	67.8	64.2						
500		57.8	69.1	75.9	78.3	77.5	75.2	72.9	71.1	68.3	63.9						
630		64.0	75.9	83.0	84.9	84.6	82.3	79.3	76.3	73.7	68.8						
800		63.9	76.4	82.3	85.0	84.7	82.7	79.9	77.4	73.8	69.7						
1000		63.0	74.1	79.6	83.3	82.8	80.6	77.6	74.3	71.4	68.1						
1250		69.5	81.3	88.3	92.3	87.8	85.2	83.2	82.2	78.2	76.4						
1600		64.7	76.9	83.5	85.8	83.6	80.9	78.2	75.7	72.0	70.4						
2000		62.5	74.2	80.0	83.3	82.9	82.0	79.9	76.4	73.0	70.1						
2500		61.8	74.6	79.6	82.4	82.0	80.5	76.2	73.0	69.4	67.6						
3150		59.9	74.6	79.6	81.8	81.7	79.3	76.3	72.8	68.4	66.4						
4000		58.2	73.0	77.7	79.9	79.9	78.9	76.3	72.3	67.1	64.9						
5000		56.6	71.3	75.8	78.8	78.9	78.2	76.9	72.1	67.4	64.8						
6300		55.3	71.3	77.6	81.0	81.5	81.1	80.3	75.1	70.1	67.3						
8000		52.9	69.6	75.4	78.8	79.8	78.9	77.4	73.4	67.6	65.3						
10000		44.8	64.7	72.0	75.2	76.2	76.1	75.0	70.5	64.9	62.1						
OVERALL CALCULATED		89.9	88.7	93.7	90.6	95.1	93.6	92.3	90.3	87.9	86.2						
PND8		86.9	99.5	104.8	107.7	106.7	105.1	103.4	99.8	96.2	93.6						

Run 45/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 YR. 1960																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	5U																	
	63																	
RADIAL	17. FT.																	
	50																	
	60																	
VEHICLE	UTWSIM	100	92.5	89.5	84.8	85.5	87.0	88.3	88.8	89.3	89.3	87.0						122.1
CONFIG	C.1	125	96.3	95.0	95.8	95.3	94.5	95.5	95.5	94.0	94.0	93.0						128.5
LOC	SCHENECTADY	200	95.5	95.7	95.7	96.5	97.2	96.2	94.2	92.2	90.5	89.3						132.4
DATE	7/22/75	250	101.5	101.2	99.5	98.0	98.0	98.5	98.7	97.7	96.8	94.3						128.4
RUN	45/2	315	99.5	101.2	100.5	99.2	98.5	98.3	98.0	97.2	96.8	96.1						132.0
TAPE		400	93.0	94.8	96.5	96.7	96.0	74.3	92.3	92.0	90.5	88.8						132.1
BAR	29.7 HG	500	89.3	91.3	92.3	91.0	90.2	89.3	88.0	87.3	85.8	84.3						127.6
	(00295. N/M2)	630	89.5	91.8	93.0	93.3	92.0	90.8	88.5	86.8	85.5	83.8						122.0
TAMB	83. DEG F	800	87.0	90.5	93.5	94.3	92.7	91.1	89.8	87.8	86.0	83.8						123.4
	(301. DEG K)	1000	84.8	89.0	92.7	94.5	92.5	90.3	88.5	86.8	84.0	81.3						124.3
THET	70. DEG F	1250	84.3	88.8	94.5	96.3	93.5	91.1	88.8	87.1	84.3							123.7
	(274. DEG K)	1600	83.3	89.1	94.8	96.5	94.5	91.6	89.4	87.4	84.5	82.9						124.8
HACT	14.56 GH/M3	2000	83.3	90.6	94.3	97.5	96.0	93.1	89.9	87.4	85.3	81.8						125.3
	(.01455 KG/M3)	2500	91.3	98.3	102.3	104.7	102.7	101.9	98.1	95.2	92.3	88.1						126.1
NFA	8034. RPM	3150	91.0	97.1	101.0	104.4	103.4	101.3	97.4	94.2	91.5	87.4						133.7
	(.925. RAD/SEC)	4000	90.4	97.0	100.9	103.3	101.8	99.3	95.3	92.4	89.9	86.5						133.4
NFR	8636. RPM	5000	95.8	102.2	105.0	107.5	106.5	104.0	99.0	95.4	92.3	89.7						132.2
	(.994. RAD/SEC)	6300	91.4	98.6	102.1	102.5	101.9	99.4	95.3	92.7	89.7	87.8						136.8
NFB	11517. RPM	8000	90.2	98.3	101.9	103.4	102.4	100.7	97.5	93.6	89.7	87.9						132.8
	(1205. RAD/SEC)	10000	90.5	99.2	102.2	102.6	101.9	99.3	96.7	92.6	88.9	86.8						133.1
NO. OF BLADES	18	12500	89.7	98.3	101.1	101.6	100.9	98.6	96.8	92.0	87.9	85.9						132.7
FAN TIP SPEED	18000	20000	88.0	97.0	98.2	99.3	98.6	97.1	95.3	90.5	86.6	84.7						132.1
	771. FT/SEC	25000	86.9	95.4	98.3	99.5	98.4	97.4	95.8	91.8	87.9	85.9						130.4
		31500	87.4	94.9	98.3	99.2	98.4	95.6	95.4	91.9	87.6	86.3						130.9
		40000	84.7	94.4	97.5	97.9	96.8	96.3	94.3	90.5	86.9	84.9						131.3
		50000	78.1	90.6	93.6	93.4	94.0	92.2	91.7	88.8	84.0	81.3						131.1
		63000	74.6	86.9	88.7	88.7	90.0	87.6	87.8	82.1	79.9	78.1						128.9
		80000	75.3	80.8	81.1	80.8	82.9	81.7	81.1	76.4	73.1	68.9						126.4
			80.7	83.0	82.0	82.6	83.1	82.5	82.9	80.1	73.0	70.4						122.4
																		127.6
OVERALL MEASURED																		
OVERALL CALCULATED		107.5	111.2	113.6	114.9	113.8	112.1	109.7	107.2	105.4	103.8							
PNUM		117.9	123.2	126.3	127.9	126.8	124.7	121.1	118.3	115.8	113.3							145.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ.	(0.35)	(0.52)	(0.70)	(1.07)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)
SIDELINE 900. FT.												
(152.40 M)	50	66.4	73.7	78.1	79.4	78.3	79.6	80.3	79.2	79.1	77.9	
NFA 2400 RPM	63	65.2	69.9	72.6	75.1	77.1	76.9	75.4	73.5	71.6	70.0	
(261. RAD/SEC)	80	70.6	75.0	75.0	76.4	77.6	78.9	79.6	78.6	77.7	74.7	
NFA 2433 RPM	100	68.1	74.6	76.7	77.4	77.9	78.5	78.7	78.1	77.5	76.3	
(255. RAD/SEC)	125	61.1	67.7	72.4	74.6	75.2	74.3	72.6	72.7	71.1	68.0	
NFA 3244 RPM	160	56.8	63.8	67.9	68.6	69.2	69.1	68.3	67.7	66.1	64.1	
(340. RAD/SEC)	200	56.5	63.9	68.3	70.6	70.7	70.4	68.6	67.0	65.6	63.4	
AIRFLOW RATIO	250	53.4	62.3	68.5	71.3	71.2	70.4	69.7	67.8	65.9	62.9	
nF/nR 12.60	315	50.5	60.3	67.4	71.3	70.7	69.5	68.2	66.6	63.7	60.5	
VEHICLE CONFIG	400	49.4	59.6	66.8	72.7	71.4	70.0	68.2	66.7	63.7	60.2	
LOC SCHEENECTADY	500	47.7	59.4	68.6	72.6	72.1	70.2	68.5	66.7	63.7	60.5	
DATE 7/22/75	630	47.0	60.4	67.7	73.3	73.3	71.5	68.8	66.5	64.2	60.0	
RUN 45/2	800	54.1	67.5	75.2	80.1	79.7	79.9	78.7	74.0	70.9	66.2	
TAPE	1000	52.9	65.0	73.5	79.4	80.0	79.0	75.7	72.7	69.8	65.1	
FAN TIP SPEED	1250	51.4	64.9	72.9	77.9	78.1	76.6	73.3	70.6	67.9	63.9	
771. FT/SEC	1600	55.5	69.2	76.9	81.5	82.2	80.8	76.6	73.1	69.8	66.6	
OVERALL CALCULATED	2000	49.7	64.7	72.6	78.9	77.2	75.8	72.4	70.0	65.8	63.4	
PNU	2500	47.2	63.5	71.8	76.3	77.2	76.8	74.2	70.5	66.4	63.9	
	3150	45.5	63.1	71.1	74.6	75.9	74.6	72.8	68.9	65.0	62.0	
	4000	41.6	60.1	68.4	72.4	73.9	72.9	71.9	67.4	63.0	60.3	
	5000	38.4	57.8	64.9	69.5	71.1	71.1	70.1	65.6	61.4	58.7	
	6300	32.1	52.8	62.4	67.7	69.2	69.8	69.1	65.4	61.2	58.3	
	8000	24.6	47.0	58.4	64.2	66.4	66.5	66.4	63.2	58.6	56.2	
	10000	18.8	39.2	52.2	58.4	60.9	62.8	62.0	58.6	54.6	51.4	
OVERALL CALCULATED	74.7	81.4	86.2	89.5	90.0	89.5	88.0	86.2	84.6	82.7		
PNU	75.5	88.7	96.1	100.4	101.1	100.2	98.1	95.0	91.5	88.7		

SIDELINE 200. FT.	50	76.2	82.7	86.7	87.8	86.6	87.6	88.5	87.4	87.3	86.2	
(60.96 M)	63	75.2	79.1	81.4	83.7	85.5	85.3	83.7	81.6	80.0	76.3	
	80	81.0	84.4	85.0	85.1	86.2	87.4	88.1	87.2	86.1	83.2	
	100	78.0	84.3	85.9	86.3	86.6	87.1	87.3	86.7	86.1	84.9	
	125	72.1	77.6	81.8	83.7	84.0	83.1	81.5	81.4	79.8	77.6	
	160	68.1	74.0	77.4	77.8	78.2	78.0	77.2	76.6	74.9	73.0	
	200	68.1	74.3	78.1	80.0	79.9	79.4	77.6	76.0	74.6	72.5	
	250	65.4	72.9	78.4	80.9	80.5	79.6	78.6	76.9	75.0	72.1	
	315	62.6	71.3	77.5	81.0	80.2	78.8	77.4	75.6	72.9	69.6	
	400	62.1	70.8	79.2	82.7	81.1	79.5	77.6	76.1	73.1	69.7	
	500	60.8	70.9	79.3	82.6	82.0	79.9	78.1	76.3	73.3	70.2	
	630	60.5	72.2	78.6	83.6	83.4	81.3	78.5	76.2	73.9	69.8	
	800	68.1	79.7	86.5	90.7	90.0	89.9	86.7	83.9	80.8	76.2	
	1000	67.5	78.3	85.0	90.3	90.5	89.3	85.8	82.8	79.9	75.3	
	1250	66.5	77.9	84.7	89.1	88.8	87.1	83.7	80.9	78.2	74.4	
	1600	71.4	82.8	89.2	93.0	93.3	91.7	87.2	83.7	80.5	77.4	
	2000	66.4	78.9	85.4	88.8	88.6	87.0	83.4	80.9	78.0	74.6	
	2500	64.8	78.2	85.0	88.6	89.0	88.2	85.4	81.7	77.6	75.3	
	3150	64.4	78.7	85.0	87.5	88.2	86.5	84.5	80.5	76.7	73.9	
	4000	62.4	77.1	83.4	86.2	86.7	85.6	84.3	79.7	75.4	72.9	
	5000	60.4	75.6	80.5	83.8	84.7	84.2	82.9	78.3	74.2	71.8	
	6300	57.5	73.0	79.8	83.5	84.0	84.1	83.0	79.3	75.1	72.0	
	8000	55.1	70.7	78.0	82.3	83.3	82.6	82.1	78.8	74.3	72.3	
OVERALL CALCULATED	10000	48.5	67.8	76.2	79.7	80.7	81.6	80.3	76.7	72.9	70.1	
PNU	85.8	92.4	97.3	100.4	100.6	99.8	97.8	95.7	93.8	91.7		
	91.4	103.1	109.2	111.4	112.6	111.6	109.4	107.2	102.8	100.1		

Run 45/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM											PROC. DATE = MONTH 7 DAY 31 HR. 19.0										
MODEL SOUND PRESSURE LEVELS (50 DEG. F. 70 PERCENT REL. HUM. 4AY)											ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	FREQ.	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°	0°	PdL			
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0°)	(0°)	(0°)	(0°)	(0°)	(0°)				
		50																			
		63																			
RADIAL 17. FT.		80																			
(5. M)		100	93.8	91.3	85.8	86.0	87.8	89.3	89.5	90.0	89.8	88.8						123.0			
VEHICLE UTMSIM	125	95.8	95.0	96.0	95.5	94.8	95.5	95.5	93.8	93.3	93.1							128.4			
CONFIG C-1	100	97.0	100.5	101.5	102.0	99.3	99.0	99.3	97.8	97.5	96.4							132.9			
LOC SCHENECTADY	200	97.2	97.5	98.0	98.2	98.7	98.0	96.0	93.2	91.8	90.1							130.0			
DATE 7/22/75	250	102.0	102.0	101.0	99.5	99.7	99.7	99.7	99.2	97.5	95.5							133.2			
RUN 45/3	315	100.2	102.5	102.0	101.2	100.0	99.3	99.2	99.0	97.5	96.8							133.4			
TAPE	400	94.3	96.8	96.5	99.2	98.0	96.5	94.5	93.8	92.5	90.6							129.7			
BAR 29.7 HG	500	90.5	93.0	93.8	93.0	92.2	91.3	90.3	89.5	87.8	86.1							124.7			
(100295. N/M2)	630	90.0	93.5	94.3	95.0	94.0	92.6	90.5	89.0	87.8	85.8							125.0			
TAMB 83. DEG F	800	88.3	91.8	94.5	94.8	94.0	93.1	91.3	89.5	87.5	85.3							125.5			
(301. DEG K)	1000	85.3	90.0	94.2	94.7	94.2	92.1	90.3	88.3	85.8	83.1							125.0			
THET 70. DEG F	1250	85.0	90.1	95.3	95.8	94.7	92.8	90.3	88.6	85.8	83.1							125.0			
(294. DEG K)	1600	83.8	90.1	95.0	97.0	95.7	93.1	90.1	88.6	85.8	83.1							128.1			
HACT 14.56 GH/M3	2000	84.3	90.8	94.8	96.0	96.7	94.6	91.6	89.2	86.3	83.1							127.0			
(.01456 KG/M3)	2500	91.0	96.6	100.5	102.7	102.7	100.6	97.9	94.9	91.5	87.4							132.0			
NFA 9428. RPM	3150	92.7	98.8	103.3	105.7	105.4	103.8	100.1	97.2	94.0	89.4							135.4			
(987. RAD/SEC)	4000	92.4	98.0	101.9	104.6	104.0	101.3	98.1	93.9	91.4	86.3							133.4			
NFK 9217. RPM	5000	92.8	99.4	102.6	104.7	104.7	102.7	98.8	94.4	92.1	89.0							134.8			
(965. RAD/SEC)	6300	94.4	101.1	104.1	105.9	104.9	103.1	98.6	94.7	91.7	89.5							135.3			
NFD 11517. RPM	8000	91.9	99.3	102.6	104.2	103.4	102.0	99.0	94.9	91.2	86.6							134.2			
(1206. RAD/SEC)	10000	92.3	101.0	103.4	104.6	104.1	102.0	99.0	94.8	91.4	89.3							134.8			
NO. OF BLADES 16	12500	92.4	100.3	102.6	103.6	103.1	101.1	98.8	95.0	90.6	86.2							134.2			
FAN TIP SPEED	16000	91.0	99.0	100.0	101.5	100.6	99.1	97.8	93.0	89.1	87.5							132.5			
623. FT/SEC	20000	88.7	97.2	99.5	101.0	100.6	99.1	97.8	93.5	89.9	88.6							132.7			
	25000	88.9	96.4	99.5	100.2	99.9	98.3	97.7	93.9	89.6	86.3							132.8			
	31500	85.4	95.6	99.0	99.6	98.5	98.1	96.8	93.3	89.1	87.2							133.0			
	40000	79.6	92.8	95.1	95.7	95.7	94.2	94.5	89.3	87.0	84.0							131.0			
	50000	74.4	88.7	90.4	91.0	91.5	90.1	89.8	84.8	82.7	79.3							128.4			
	63000	74.3	81.9	82.9	83.3	84.9	83.2	83.1	77.6	75.6	71.1							124.1			
	80000	80.7	83.0	82.0	82.6	83.1	82.5	82.9	80.1	73.0	70.4							127.8			
OVERALL MEASURED																					
OVERALL CALCULATED		108.3	112.2	114.3	115.6	115.0	113.4	111.2	108.5	106.3	104.6							146.5			
PNUM		117.7	122.9	126.1	127.9	127.5	125.9	122.8	120.1	117.4	114.2										

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEC. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.)
SIDE LINE 500. FT.	50	67.2	75.0	78.6	80.9	79.3	79.9	80.5	79.2	78.8	77.2						
	63	66.9	71.0	74.8	76.9	78.6	78.7	77.1	74.5	72.9	70.7						
	80	71.1	75.7	77.5	77.9	79.4	80.2	80.6	80.3	78.4	76.0						
(152.40 M)	100	68.9	75.8	78.2	79.4	79.4	79.5	80.0	79.9	78.2	77.0						
NFA 2656 RPM	125	62.3	69.7	74.4	77.1	77.2	76.6	75.0	74.4	73.1	70.6						
(276. RAD/SEC)	150	58.0	65.6	69.4	70.8	71.2	71.1	70.6	70.0	68.1	65.9						
NFK 2596 RPM	200	57.0	65.7	69.6	72.4	72.7	72.2	70.6	69.3	67.9	65.2						
(272. RAD/SEC)	250	54.7	63.5	69.5	71.8	72.5	72.4	71.2	69.0	67.4	64.7						
NFD 3244 RPM	315	51.8	61.3	68.9	71.5	72.4	71.2	69.9	68.1	66.4	62.2						
(340. RAD/SEC)	400	50.1	60.9	69.5	72.2	72.7	71.5	69.7	68.2	66.2	62.0						
AIRFLOW RATIO	500	48.2	60.4	68.9	73.1	73.4	71.7	69.3	68.0	65.0	61.7						
WF/WR 12:60	630	54.7	65.4	74.0	78.5	80.1	79.0	76.8	74.0	70.4	65.7						
	800	55.6	66.0	76.2	81.1	82.4	81.9	78.8	76.0	72.6	67.4						
VEHICLE UTMSIM	1000	54.4	66.6	74.4	79.6	80.7	79.0	76.4	72.4	69.7	66.1						
CONFIG C+1	1250	53.8	67.3	74.6	79.3	81.0	80.1	76.2	72.5	69.3	65.5						
LOC SCHENECTADY	1600	54.1	68.1	75.4	79.8	80.8	80.1	76.2	72.5	69.3	65.5						
DATE 7/22/75	2000	50.3	65.4	73.3	77.7	78.8	78.5	76.2	72.3	68.4	65.1						
RUN 45/3	2500	49.5	66.3	73.5	77.6	79.1	78.2	75.6	71.9	68.2	65.5						
TAPE	3150	47.6	64.3	71.6	75.8	77.4	76.6	75.1	71.6	68.9	63.8						
FAN TIP SPEED	4000	43.3	61.1	67.7	72.6	73.9	73.8	73.3	68.8	64.6	62.2						
823. FT/SEC	5000	39.5	58.4	66.6	71.7	73.6	73.6	73.0	69.1	65.1	63.1						
	6300	34.7	54.4	64.3	69.0	71.3	71.4	71.6	68.1	63.5	61.3						
	8000	24.5	48.7	60.1	65.5	67.4	68.9	68.7	65.5	61.0	58.0						
	10000	7.1	39.1	51.2	57.6	61.3	62.1	63.6	58.8	56.1	51.8						
OVERALL CALCULATED	PNDP	75.5	82.7	87.3	90.6	91.5	91.0	89.6	87.6	85.0	83.4						
	PNDP	76.0	86.0	91.1	101.2	102.5	101.9	100.1	96.9	93.4	90.4						

ORIGINAL PAGE IS OF POOR QUALITY.

	50	77.0	84.0	87.2	89.3	87.6	88.1	88.8	87.4	87.0	85.4						
	63	77.0	80.8	83.6	85.5	87.0	87.0	85.4	82.8	81.2	79.1						
SIDE LINE 200. FT.	80	81.5	85.2	86.5	86.6	87.9	88.7	89.1	88.7	86.9	84.5						
(60.96 M)	100	79.5	85.5	87.4	88.3	88.1	88.1	88.5	88.4	86.6	85.7						
	125	73.3	79.6	83.8	86.2	86.0	85.3	83.7	83.1	81.8	79.4						
	150	69.3	75.7	78.9	79.8	80.2	80.0	79.4	78.8	78.9	74.8						
	200	68.6	76.1	79.3	81.7	81.9	81.2	79.6	78.2	76.9	74.2						
	250	66.6	74.2	79.4	81.4	81.8	81.6	80.3	78.7	76.5	73.9						
	315	63.3	72.3	79.0	81.3	81.9	80.5	79.2	77.3	74.7	71.5						
	400	62.8	72.1	79.9	82.2	82.3	81.0	79.3	77.6	74.6	71.5						
	500	61.3	71.9	79.5	83.3	83.2	81.4	78.8	77.5	74.5	71.2						
	630	68.2	78.2	84.9	88.9	90.1	88.8	86.5	83.8	80.2	75.8						
	800	69.6	80.3	87.5	91.7	92.7	91.9	88.7	85.9	82.5	77.9						
	1000	68.9	79.2	86.0	90.5	91.2	89.3	86.6	82.5	79.9	76.3						
	1250	68.9	80.4	86.5	90.5	91.8	90.6	87.1	82.9	80.4	76.9						
	1600	70.8	81.8	87.7	91.3	91.8	90.9	86.8	83.1	80.0	77.5						
	2000	67.1	79.6	86.1	89.6	90.2	89.7	87.1	83.2	79.3	76.4						
	2500	67.0	81.1	86.7	89.9	90.8	89.6	87.1	83.1	79.5	76.9						
	3150	66.5	80.0	85.8	88.7	89.7	88.5	86.8	83.2	78.6	75.7						
	4000	64.1	78.1	82.6	86.4	87.0	86.4	85.7	81.1	77.0	74.8						
	5000	61.5	76.2	82.2	86.0	87.2	86.8	85.8	81.8	77.9	76.1						
	6300	60.0	74.5	81.7	84.8	86.2	85.6	85.6	82.0	77.5	75.0						
	8000	55.0	72.3	80.2	83.5	84.3	85.1	84.4	81.1	76.8	74.1						
	10000	44.8	67.7	75.2	78.9	81.0	80.8	81.8	78.9	74.3	70.6						
OVERALL CALCULATED	PNDP	66.4	93.6	98.2	101.3	102.0	101.3	99.6	97.2	94.9	92.5						
	PNDP	92.4	104.4	110.1	113.3	114.2	113.3	111.5	108.2	104.8	101.8						

Run 45/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 MM. 1960

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEC. F. 70 PERCENT REL. NUM. BAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDE LINE 500. FT. (152.40 M)	50	66.9	75.2	78.9	80.6	79.6	79.4	79.8	78.2	77.5	76.4	
NFA 2755 RPM	63	68.2	72.6	75.3	77.6	78.9	78.9	77.4	75.0	73.1	71.7	
(288. RAD/SEC)	80	71.8	78.3	78.3	78.9	80.1	81.2	81.1	80.5	79.4	78.9	
NFA 2689 RPM	100	69.5	77.1	79.5	80.6	80.9	81.2	81.0	80.9	79.4	77.7	
(282. RAD/SEC)	125	63.1	70.7	75.4	76.1	76.2	77.6	76.0	75.4	73.8	71.8	
NFD 3244 RPM	150	58.0	66.6	71.1	72.4	72.7	72.3	72.3	71.0	69.3	67.5	
(340. RAD/SEC)	200	57.7	66.7	70.8	73.1	73.7	73.7	71.6	70.5	69.1	66.9	
AIRFLOW RATIO	250	54.7	64.8	70.5	72.8	73.7	73.2	72.2	70.6	68.6	66.1	
NF/WH 12.60	315	51.8	62.1	69.6	72.3	73.2	72.2	70.4	69.1	66.7	63.1	
VEHICLE CONFIG	400	50.9	61.9	70.3	73.7	73.9	72.5	70.7	68.9	66.2	63.4	
UTMSIM C+1	500	49.2	61.1	69.4	73.9	74.4	73.5	70.6	69.0	66.4	62.9	
LOC SCHEMECTACY	630	57.3	68.3	77.7	82.1	83.7	83.6	82.0	78.3	76.1	70.6	
DATE 7/22/75	800	55.4	66.3	75.7	80.4	82.0	80.0	77.4	74.2	70.9	67.2	
RUN 45/4	1000	54.3	67.8	74.8	79.6	81.0	79.6	77.5	74.6	71.0	67.1	
TAPE	1250	56.4	69.9	77.4	81.8	83.8	81.6	78.7	74.2	71.3	66.4	
FAN TIP SPEED	1600	51.1	66.2	73.8	77.7	79.3	79.0	76.9	73.5	69.3	66.1	
854. FT/SEC	2000	50.8	67.3	75.0	78.6	80.3	79.2	77.3	73.7	69.7	66.5	
OVERALL CALCULATED	2500	48.2	65.6	72.9	76.6	78.2	76.8	72.8	70.6	66.6	64.2	
PNUM	3150	43.3	61.7	69.4	73.9	75.2	74.9	74.6	70.6	66.6	64.2	
	4000	40.3	59.7	68.2	72.8	74.2	74.4	73.8	70.4	66.4	64.2	
	5000	35.8	55.3	65.4	69.9	72.9	73.0	72.2	69.5	65.3	63.0	
	6300	25.2	50.6	61.2	66.9	69.1	70.6	69.6	66.8	62.9	59.8	
	8000	8.3	40.5	52.7	59.3	62.8	64.0	63.7	60.2	57.7	54.2	
	10000	76.2	83.8	88.2	91.3	92.5	91.9	90.6	88.4	86.5	83.9	
		77.3	91.1	96.4	102.1	103.6	102.9	101.5	98.2	94.8	91.9	

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDE LINE 200. FT. (60.96 M)	50	76.7	84.2	87.5	89.1	87.9	87.6	88.0	86.4	85.8	84.6	
	63	78.2	81.6	84.1	86.2	87.3	87.3	85.7	83.3	81.4	80.0	
	80	82.2	85.9	87.3	87.6	86.7	86.7	85.6	83.0	81.4	80.4	
	100	83.3	86.6	86.7	85.5	89.6	89.9	89.5	89.4	88.0	86.4	
	125	74.1	80.6	84.8	87.2	87.0	86.6	84.7	84.1	82.5	80.5	
	150	69.3	77.0	80.7	81.6	81.7	81.2	81.2	79.8	78.1	76.2	
	200	69.3	77.1	80.6	82.5	82.9	82.7	80.6	79.5	78.1	75.9	
	250	66.6	75.4	80.4	82.4	83.0	82.4	81.3	79.7	77.7	75.3	
	315	64.1	73.0	79.8	82.0	82.7	81.5	79.7	78.3	75.9	72.5	
	400	63.6	73.1	80.7	83.7	83.6	82.0	80.1	78.3	75.0	72.9	
	500	62.3	72.7	80.0	84.0	84.2	83.1	80.3	78.5	76.0	72.6	
	630	68.0	78.0	84.7	88.1	89.3	87.8	85.8	83.3	80.1	76.0	
	800	71.3	81.8	89.0	92.7	93.9	93.7	91.9	88.2	86.0	80.7	
	1000	69.9	81.0	87.2	91.2	92.5	90.3	87.6	84.3	81.1	77.5	
	1250	69.4	80.9	86.7	90.7	91.8	90.1	87.9	84.9	81.4	77.9	
	1600	72.3	83.5	89.7	93.3	94.8	92.4	89.4	84.9	81.9	79.2	
	2000	67.6	80.4	86.6	89.6	90.7	90.2	87.9	84.4	80.3	77.2	
	2500	68.3	82.1	88.2	90.9	92.1	90.6	88.6	84.9	81.0	77.9	
	3150	67.0	81.3	86.8	89.5	91.0	90.1	88.5	84.5	80.1	77.9	
	4000	64.2	78.7	84.4	87.7	88.2	87.5	87.0	82.9	79.0	76.8	
	5000	62.5	77.6	83.6	87.1	87.7	87.4	86.6	83.1	79.7	77.4	
	6300	61.1	75.4	82.7	85.7	87.6	87.2	86.2	83.4	79.3	77.9	
	8000	55.7	74.2	81.4	85.0	86.0	86.7	85.3	82.3	78.6	76.0	
	10000	40.0	69.1	76.0	80.6	82.5	82.8	82.0	78.3	76.0	73.0	
OVERALL CALCULATED	87.2	94.6	99.3	102.2	103.2	102.2	100.7	98.1	95.9	93.4		
PNUM	93.2	105.5	111.4	114.3	115.3	114.4	112.9	109.5	106.0	103.4		

Run 45/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 PM. 19.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
RADIAL	17. FT.	100	94.3	90.5	87.0	86.3	87.8	89.0	90.5	90.5	90.8	89.5						123.5
	(5. M)	100	94.3	90.5	87.0	86.3	87.8	89.0	90.5	90.5	90.8	89.5						128.0
VEHICLE	UTMSIM	125	97.0	96.0	96.3	95.8	95.3	96.0	95.5	94.3	94.0	93.3						133.0
CONFIG	C.1	150	98.3	103.0	103.5	103.8	102.0	98.3	98.5	98.8	96.3	95.3						131.7
LOC	SCHENECTADY	200	99.2	106.2	99.7	100.5	100.2	99.0	97.5	95.0	93.0	91.5						134.0
DATE	7/22/75	250	103.7	103.0	102.2	101.2	101.7	101.5	101.2	100.0	99.0	96.5						135.5
RUN	45/5	315	101.2	104.2	104.0	103.5	102.5	101.5	101.7	100.7	99.7	98.5						131.0
TAPE		400	96.5	98.0	100.5	101.0	99.7	98.3	96.6	96.0	94.7	93.0						120.5
BAW	29.7 HG	500	92.3	94.8	95.8	95.8	94.2	93.5	92.8	91.5	90.2	87.8						127.0
	(00295. N/M2)	630	92.8	95.5	96.0	96.5	95.7	94.8	93.0	91.5	90.3	88.5						127.5
TAPD	84. DEG F	800	90.5	93.5	96.0	96.8	95.5	95.1	93.5	91.8	90.0	88.0						120.5
	(332. DEG K)	1000	87.0	91.5	95.7	96.2	95.2	93.8	92.0	90.0	88.0	85.5						127.2
TWLT	70. DEG F	1200	86.8	91.5	96.0	97.5	96.2	94.8	92.3	90.6	87.8	85.3						127.2
	(294. DEG K)	1600	85.5	90.8	95.8	97.8	97.2	94.6	92.1	89.6	87.5	84.8						127.2
WACT	14.27 CM/M3	2000	86.0	91.3	95.3	96.7	97.7	96.4	92.9	90.9	88.2	85.3						128.1
	(.01427 KG/M3)	2500	90.8	95.1	99.0	102.0	101.4	99.4	97.1	94.2	91.5	87.8						131.0
NFA	10142. RPM	3150	95.2	100.8	104.5	106.9	106.9	106.8	104.6	102.4	97.7	93.8						137.8
	(1002. RAD/SEC)	4000	95.4	100.0	103.4	105.6	105.6	103.3	99.8	96.2	93.6	90.0						134.0
NFR	9938. RPM	5000	94.6	99.9	102.4	105.2	105.0	102.7	99.3	96.4	93.0	89.9						136.0
	(1037. RAD/SEC)	6300	98.1	103.9	107.1	108.5	107.2	105.4	102.1	97.7	94.4	92.7						134.0
NFD	11517. RPM	8000	94.7	100.5	103.4	104.2	103.9	102.8	100.0	96.6	93.1	90.6						130.0
	(1206. RAD/SEC)	10000	94.6	102.5	105.2	105.6	105.6	104.3	101.7	98.1	93.8	91.8						130.1
NO. OF BLADES	18	12500	94.4	101.8	104.3	104.6	104.9	103.3	101.5	97.5	93.8	91.0						134.5
FAN TIP SPEED		16000	93.1	100.5	102.0	103.1	102.4	101.4	100.1	95.8	92.1	90.0						134.0
	885. FT/SEC	20000	91.0	98.4	101.3	103.1	102.2	100.9	100.0	96.3	92.9	91.0						135.0
		25000	90.9	98.7	101.6	102.3	101.5	101.1	99.5	96.5	92.4	92.0						135.0
		31500	88.5	98.2	100.3	101.4	100.6	100.1	99.1	95.6	92.7	90.7						133.4
		40000	81.9	95.7	97.2	97.8	97.8	96.8	96.8	92.4	90.3	87.6						131.1
		50000	76.5	91.6	92.8	92.8	94.6	92.7	93.0	87.2	86.3	83.4						120.8
		63000	75.2	84.0	85.8	86.0	87.8	85.9	85.8	80.3	80.5	77.0						120.5
		80000	80.4	83.2	82.3	82.9	83.3	82.8	83.2	80.4	83.2	80.6						
OVERALL MEASURED																		140.2
OVERALL CALCULATED		110.1	113.9	115.9	117.0	116.5	115.2	113.3	110.8	106.2	100.2							
PNDB		120.2	124.8	127.6	129.1	128.8	127.9	125.7	123.4	119.9	117.0							

Run 45/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 MAY 31 AM, 1968

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEC F, 70 PERCENT REL. HUM. DAT)

	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	
	50	68.4	77.5	80.6	82.6	82.1	79.1	79.8	78.2	77.5	76.1						
	63	68.9	74.4	76.6	79.1	80.1	79.7	76.6	76.2	74.1	72.2						
SIDELINE 500 FT (152.40 M)	80	72.8	76.7	78.8	79.6	81.4	81.9	82.1	81.0	79.9	78.8						
	100	69.9	77.6	80.2	81.6	81.9	81.7	82.5	81.6	80.4	78.7						
NFA 2857 RPM (129.0 RAD/SEC)	125	64.6	71.0	76.4	78.9	78.9	78.3	77.3	76.7	75.3	73.0						
	160	59.8	67.3	71.4	73.4	73.2	73.3	73.1	72.0	70.5	67.0						
NFK 2790 RPM (129.2 RAD/SEC)	200	59.7	67.7	71.3	73.9	74.5	74.4	73.1	71.6	70.4	66.1						
	250	56.9	65.3	71.0	73.8	74.0	74.4	73.4	71.8	69.9	67.4						
NFD 3244 RPM (140.0 RAD/SEC)	315	53.5	62.6	70.4	73.0	73.4	73.8	71.7	69.9	67.7	64.0						
	400	51.9	62.4	70.3	74.0	74.2	73.7	71.7	70.2	67.2	64.2						
AIRFLOW RATIO NF/M 12.60	500	50.0	61.1	69.0	73.9	74.9	73.2	71.3	69.0	66.7	63.4						
	630	54.5	64.9	72.5	77.8	78.8	77.7	76.1	73.3	70.4	66.2						
	800	58.1	70.0	77.5	82.3	83.9	84.9	83.3	81.3	78.3	71.9						
VEHICLE UTMSM CONFIG C-1	1000	57.4	68.6	75.9	80.6	82.2	81.0	78.2	74.7	71.9	67.7						
LOC SCHENECTADY	1250	55.6	67.6	74.3	79.8	81.3	80.1	77.3	74.8	71.0	67.3						
DATE 7/22/75	1600	57.9	70.9	76.4	82.5	83.0	82.4	79.7	75.5	72.0	69.7						
RUN 45/5	2000	53.1	66.7	74.0	77.7	79.3	79.3	77.2	74.0	70.3	67.3						
TAPE	2500	52.0	67.8	75.2	78.6	80.6	80.4	78.6	75.2	70.4	66.0						
FAN TIP SPEED 885 FT/SEC	3150	49.7	65.0	73.4	77.1	79.2	78.9	77.6	74.1	69.9	67.2						
	4000	45.3	62.0	69.7	74.2	75.7	76.1	75.0	71.5	67.5	65.6						
	5000	41.8	60.2	68.4	73.7	75.2	75.4	75.3	71.9	68.1	66.1						
	6300	36.7	56.7	66.3	71.1	72.9	74.2	73.4	70.7	66.3	65.0						
	8000	26.6	51.3	61.4	67.3	69.5	71.0	71.0	67.8	64.5	61.5						
	10000	9.4	41.9	53.3	59.7	63.4	64.7	65.9	61.9	59.4	55.4						
OVERALL CALCULATED		77.2	84.4	88.9	92.0	93.0	92.7	91.5	89.5	87.2	84.7						
PNUB		76.7	81.6	86.7	92.5	94.0	93.8	92.4	89.4	85.8	83.0						

	50	75.2	86.5	89.2	91.1	90.4	87.3	88.0	86.4	85.8	84.3					
	63	79.0	83.6	85.4	87.7	88.5	88.0	86.9	84.6	82.4	80.5					
SIDELINE 200 FT (60.96 M)	80	83.2	86.2	87.8	88.3	89.9	90.4	90.6	89.5	88.3	85.4					
	100	80.5	87.3	89.4	90.5	90.6	90.4	91.0	90.2	89.0	87.4					
	125	75.6	80.9	85.6	87.9	87.8	87.1	86.0	85.4	84.0	81.8					
	160	71.1	77.5	80.9	82.6	82.2	82.2	81.9	80.8	79.4	76.5					
	200	71.3	76.1	81.1	83.2	83.6	83.4	82.1	80.7	79.3	77.2					
	250	66.9	75.9	80.9	83.4	83.3	83.6	82.5	80.9	79.0	76.6					
	315	65.8	73.8	80.5	82.8	82.9	82.3	80.9	79.1	76.9	74.0					
	400	64.6	73.6	80.7	83.9	83.8	83.2	81.1	79.6	76.6	73.7					
	500	63.0	72.7	80.3	84.0	84.7	82.9	80.5	78.9	76.2	73.1					
	630	68.0	78.7	83.4	86.1	86.6	87.6	85.8	83.0	80.1	76.0					
	800	72.1	82.3	86.7	93.0	94.2	94.9	93.2	91.2	88.2	81.9					
	1000	71.9	81.2	87.5	91.5	92.7	91.3	88.3	84.8	82.1	76.0					
	1250	73.7	80.9	86.2	91.0	92.0	90.6	87.6	84.9	81.4	77.8					
	1600	73.6	84.5	89.7	94.1	94.1	93.2	90.3	86.1	82.7	80.5					
	2000	69.8	80.9	86.8	89.6	90.7	90.4	86.1	84.9	81.3	76.5					
	2500	69.5	82.6	88.5	90.9	92.3	91.9	89.8	86.4	81.7	79.4					
	3150	68.5	81.5	87.3	90.0	91.5	90.8	89.5	85.7	81.6	79.1					
	4000	66.1	79.7	84.6	87.9	88.7	88.7	86.6	83.9	79.9	76.3					
	5000	63.7	78.0	84.0	86.6	88.7	88.4	86.1	84.0	80.9	79.1					
	6300	62.1	76.8	83.7	86.9	87.7	88.4	87.4	84.6	80.3	78.3					
	8000	57.1	74.9	81.6	85.2	86.4	87.1	85.7	83.4	80.3	77.6					
	10000	47.1	70.5	77.3	81.0	83.1	83.4	84.2	80.0	77.6	74.2					
OVERALL CALCULATED		88.2	95.3	99.8	102.7	103.5	103.8	101.7	99.2	96.5	94.2					
PNUB		84.6	88.1	91.7	95.7	95.7	95.2	93.9	91.6	87.1	84.6					

Run 45/Reading 6

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONIN. 7 DAY 31 MAR. 1960

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20° (0.35)	30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	0° (0)	0° (0)	0° (0)	0° (0)	0° (0)	0° (0)
SIDELINE 500. FT.	50	87.9	76.2	79.4	81.6	81.0	79.1	79.6	78.4	77.8	76.4						
	63	70.7	76.4	79.1	81.4	83.1	82.4	79.9	78.2	78.4	74.7						
	80	72.6	77.5	79.8	80.9	81.9	83.2	83.1	82.3	80.6	77.6						
(1152.40 M)	100	70.6	78.1	81.0	82.1	82.6	83.0	83.2	82.9	81.2	79.2						
NFA 2984. RPM	125	65.1	72.5	78.2	79.9	80.4	79.8	79.0	76.2	77.0	74.3						
(312. RAD/SEC)	160	60.3	68.3	72.6	74.4	74.7	74.8	74.6	73.7	72.0	69.6						
NFA 2910. RPM	200	60.0	66.7	72.3	75.1	76.2	76.2	74.9	73.5	72.1	69.9						
(305. RAD/SEC)	250	57.2	66.8	72.2	74.6	75.7	75.7	74.7	73.6	71.4	68.9						
NFA 3244. RPM	315	53.5	63.6	70.6	74.0	74.7	74.5	72.7	71.6	69.4	65.9						
(340. RAD/SEC)	400	52.6	62.6	70.8	74.5	74.9	74.5	72.7	71.4	69.7	65.2						
AIRFLOW RATIO	500	50.5	61.0	69.6	74.4	75.4	73.7	72.0	70.2	67.7	64.9						
WF/AN 12.60	630	51.0	62.1	70.0	75.3	76.1	75.0	73.3	70.8	67.9	63.9						
	800	52.6	63.6	71.5	77.1	78.2	77.4	74.7	72.7	69.8	65.9						
VEHICLE UTMSH	1000	56.7	66.9	77.0	82.4	83.6	83.6	81.2	78.4	75.2	70.3						
CONFIG C+1	1250	57.4	67.9	76.4	80.9	82.6	82.1	79.3	75.3	72.6	68.2						
LDC SCHENECTADY	1600	55.8	66.7	74.9	79.5	81.0	80.4	78.1	74.6	72.0	68.1						
DATE 7/22/75	2000	59.7	71.2	78.6	83.4	84.9	83.8	81.2	77.5	73.6	71.1						
NUM 45/6	2500	53.5	66.7	74.6	78.3	79.5	79.5	78.2	74.8	70.9	68.1						
TAPE	3150	50.8	60.6	75.1	78.9	80.7	80.9	79.3	75.9	71.5	68.9						
FAN TIP SPEED	4000	47.1	64.9	72.2	76.7	78.4	78.7	76.0	74.7	70.0	67.6						
925. FT/SEC	5000	44.9	61.9	70.0	74.6	76.2	76.4	76.5	72.7	69.7	66.2						
	6300	37.7	57.2	66.8	72.3	73.6	74.9	74.7	71.5	68.0	65.6						
	8000	24.2	51.7	62.3	68.3	70.8	71.9	72.0	69.1	65.7	63.5						
	10000	15.7	43.7	56.7	62.6	66.4	68.0	68.5	65.6	62.3	59.5						
OVERALL CALCULATED		77.7	84.7	89.3	92.5	93.7	93.4	92.1	90.2	88.0	85.5						
PNUB		83.5	92.3	99.6	103.9	105.4	104.9	103.5	100.5	97.0	94.2						

ORIGINAL PAGE IS OF POOR QUALITY.

SIDELINE 200. FT.	50	77.7	85.2	88.0	90.1	89.9	87.3	86.0	86.6	86.0	84.0						
	63	60.7	65.6	67.9	69.0	91.5	90.8	88.2	86.6	84.7	83.0						
	80	63.2	66.9	68.6	69.6	90.4	91.7	91.6	90.7	89.1	86.6						
(60.96 M)	100	61.3	67.6	69.2	91.0	91.4	91.6	91.6	91.4	89.8	87.9						
	125	76.1	82.4	87.5	88.9	89.3	88.6	87.7	86.9	85.7	83.0						
	160	71.6	76.5	82.2	83.6	83.7	83.7	83.4	82.6	80.9	78.5						
	200	71.0	79.1	82.1	84.5	85.4	85.2	83.9	82.5	81.1	78.9						
	250	69.1	77.4	82.2	84.4	85.0	84.9	83.6	82.7	80.5	78.1						
	315	65.8	74.6	80.8	83.6	84.2	83.8	81.9	80.8	78.7	75.2						
	400	65.3	73.6	81.2	84.4	84.6	84.0	82.2	80.8	78.1	74.7						
	500	63.5	73.2	80.3	84.5	85.2	83.4	81.6	79.8	77.2	74.6						
	630	64.5	74.0	80.9	85.6	86.1	84.8	83.0	80.5	77.6	73.8						
	800	66.8	76.3	82.7	87.7	88.5	87.4	84.7	82.6	79.8	75.9						
	1000	73.2	81.5	88.5	93.3	94.3	94.1	91.3	88.9	85.4	80.5						
	1250	72.5	80.9	88.3	92.1	93.6	92.6	89.7	87.7	83.2	79.1						
	1600	71.6	80.3	87.2	91.0	92.1	91.2	88.7	85.2	82.7	78.9						
	2000	76.4	85.4	91.4	95.3	96.4	95.0	92.2	88.4	84.7	82.3						
	2500	71.0	81.5	87.8	90.6	91.2	91.0	89.4	86.0	82.1	79.5						
	3150	69.7	82.5	89.0	91.8	93.0	92.8	91.0	87.6	83.2	80.6						
	4000	68.0	81.9	87.2	90.4	91.5	91.4	90.4	87.0	82.4	80.4						
	5000	66.9	79.7	85.5	88.9	89.7	89.5	89.3	85.4	81.5	79.3						
	6300	63.1	77.3	84.1	86.1	88.6	89.2	88.6	85.4	81.9	80.1						
	8000	59.7	75.3	82.5	86.5	87.7	88.0	87.8	84.7	81.4	79.7						
	10000	53.5	72.3	80.6	84.2	86.1	86.8	86.7	83.7	80.5	78.3						
OVERALL CALCULATED		88.8	95.7	100.4	103.4	104.3	103.8	102.3	100.0	97.5	95.1						
PNUB		96.9	106.6	112.7	116.0	117.0	116.5	114.9	111.9	108.4	105.9						

Run 45/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MUMIN 7 DAY 31 MR. 1980																
		MODEL SOUND PRESSURE LEVELS (50 DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	100	95.8	97.8	89.0	87.3	88.8	90.0	91.5	91.8	92.0	90.0						126.0
VEHICLE	UTHSIM	125	99.8	99.3	96.0	96.0	95.3	95.8	95.5	94.5	94.3	94.3						128.0
CONFIG	C-1	150	99.0	100.8	101.0	100.5	99.0	98.0	97.8	96.3	95.5	94.3						132.0
LCC	SCHENECTADY	200	104.0	104.2	104.7	104.7	105.0	104.2	101.5	99.0	97.5	95.5						136.3
DATE	7/22/75	250	105.2	106.0	105.5	104.7	105.0	104.5	104.0	102.0	101.0	98.2						137.6
RUN	45/7	315	103.5	106.0	106.0	105.7	105.2	104.5	104.0	103.5	102.2	100.5						137.0
TAPE		400	99.8	102.0	103.5	103.7	103.2	102.3	100.3	99.8	98.2	95.7						135.0
BAR	29.7 HG	500	96.0	98.3	99.5	99.3	98.2	97.5	96.8	95.5	94.0	92.0						130.7
	100295. N/M2	630	95.5	98.8	99.8	100.0	99.5	98.8	97.0	95.5	94.3	92.5						131.3
TAMB	87. DEG F	800	93.8	96.8	98.8	99.8	99.2	98.1	97.0	95.3	94.0	91.8						130.8
	1304. DEG K	1000	91.3	94.3	97.7	98.2	97.7	96.8	95.3	93.5	91.7	89.2						129.2
TNET	71. DEG F	1250	90.3	93.6	98.0	99.5	99.0	97.3	95.8	93.6	91.8	88.8						128.0
	295. DEG K	1600	89.3	92.8	96.8	99.3	99.0	97.1	94.8	93.1	90.7	88.3						129.3
HACT	14.28 GM/M3	2000	89.5	93.1	96.8	100.5	100.2	98.6	95.8	93.7	91.7	88.3						130.4
	1.01428 KG/M3	2500	91.5	95.3	98.5	101.2	101.9	100.1	97.1	95.2	92.7	89.1						131.0
NFA	11780. RPM	3150	97.2	100.1	104.3	106.9	107.7	106.6	104.6	100.7	96.2	93.3						137.6
	(1233. RAD/SEC)	4000	100.1	103.0	106.4	108.8	109.6	108.3	106.1	101.9	99.0	94.5						139.7
NFK	11474. RPM	5000	98.8	102.0	105.6	107.2	107.7	106.0	102.8	99.4	96.3	92.4						137.7
	(1201. RAD/SEC)	6300	100.9	104.6	106.3	108.8	108.4	106.9	103.9	101.2	97.4	94.7						138.9
NFD	11517. RPM	8000	100.7	105.0	107.4	108.9	107.9	106.5	103.5	100.6	97.1	95.6						139.9
	(1206. RAD/SEC)	10000	97.5	105.2	107.7	108.1	108.6	107.5	105.7	102.6	99.1	96.8						139.7
NO. OF BLADES	18	12500	97.2	104.8	107.1	107.9	107.4	106.6	105.8	102.3	98.3	96.1						139.3
FAN TIP SPEED	16000	16000	96.6	104.0	105.3	106.1	105.4	104.9	104.4	100.8	97.3	95.7						138.0
	1028. FT/SEC	20000	94.6	102.5	104.6	105.6	105.0	104.4	104.1	100.9	98.1	96.9						138.1
		25000	94.2	101.7	104.1	104.8	105.0	103.9	103.5	101.3	97.7	96.3						138.3
		31500	91.5	101.0	103.7	104.5	103.9	103.7	102.9	100.4	97.5	95.7						138.6
		40000	85.0	96.5	101.3	101.6	101.7	101.4	101.4	97.0	95.2	92.9						137.0
		50300	78.7	95.0	96.2	97.0	98.5	97.1	97.4	92.6	92.2	88.5						135.4
		63000	76.7	88.3	89.5	90.2	91.6	90.4	90.5	84.8	85.2	80.7						131.2
		80000	81.2	83.5	85.1	83.7	83.6	84.1	83.5	80.7	83.5	80.9						128.0
OVERALL MEASURED																		150.9
OVERALL CALCULATED		113.0	116.3	116.1	119.2	119.1	118.1	116.5	113.8	111.4	109.1							
PNUM		123.7	126.6	129.2	131.0	131.3	130.0	127.9	124.6	122.6	118.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SP. DEC. F. 70 PERCENT REL. NUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(10.)	
	50	69.2	75.2	78.1	79.4	79.1	78.9	79.0	77.7	76.8	75.1						
	63	73.7	78.4	81.6	83.4	84.9	84.9	82.6	80.2	78.6	76.2						
SIDELINE 500. FT.	80	74.3	79.7	82.0	83.1	84.8	84.9	84.9	83.0	81.9	78.7						
(152.40 M)	100	72.1	79.3	82.2	83.9	84.6	84.7	84.7	84.4	82.9	80.7						
NFA 3318. RPM	125	67.6	75.0	79.4	81.6	82.4	82.3	80.6	80.4	78.8	75.8						
(347. RAD/SEC)	150	63.5	70.6	75.1	76.9	77.2	77.3	77.1	76.0	74.3	71.8						
NFK 3232. RPM	200	62.5	70.9	75.1	77.4	78.2	78.4	77.1	75.6	74.4	72.1						
(338. RAD/SEC)	250	60.2	68.5	73.7	76.8	77.7	77.4	76.9	75.3	73.9	71.1						
NFD 3244. RPM	315	57.0	65.8	72.4	75.0	75.9	76.0	74.9	73.4	71.4	68.4						
(340. RAD/SEC)	400	55.4	64.4	72.3	76.0	76.9	76.2	75.2	73.2	71.2	67.7						
AIRFLOW RATIO	500	55.7	63.1	70.6	75.4	76.6	75.7	73.8	72.5	69.9	66.9						
NF/AH 12.60	630	53.2	62.9	70.2	76.3	77.6	77.0	74.8	72.8	70.7	66.7						
	800	54.3	64.5	71.5	76.6	78.9	78.1	75.7	74.0	71.3	67.1						
VEHICLE UTWSIM	1000	59.2	68.6	76.7	81.9	84.3	84.3	82.9	79.2	76.5	71.0						
CONFIG C+1	1250	61.1	70.9	78.4	83.4	85.8	85.6	84.1	80.1	77.0	71.9						
LOC SCHEMECTAU	1600	58.5	68.9	76.9	81.2	83.5	82.9	80.3	77.1	73.6	69.8						
DATE 7/22/75	2000	59.2	70.7	76.9	82.2	83.7	83.3	80.9	76.5	74.5	71.1						
RUN 45/7	2500	57.7	70.2	77.3	81.8	82.7	82.5	80.2	77.6	73.9	71.0						
TAPE	3150	52.6	69.1	76.6	80.2	82.7	82.9	81.8	78.9	75.2	72.2						
FAN TIP SPEED	4000	49.1	66.6	74.4	78.7	80.4	81.0	80.9	77.7	73.5	70.5						
1028. FT/SEC	5000	46.9	64.9	71.9	76.3	77.9	78.9	79.2	75.9	72.2	69.7						
	6300	39.9	59.9	68.7	73.8	75.7	76.9	77.4	74.5	71.5	69.3						
	8000	31.4	53.9	64.3	69.8	73.0	73.6	74.5	72.5	68.6	66.2						
	10000	17.7	45.9	56.4	65.0	68.1	70.2	70.6	68.5	65.2	62.2						
OVERALL CALCULATED	79.6	86.3	90.6	93.7	95.2	95.2	94.0	91.9	89.8	86.9	83.6						
PMDB	62.1	63.9	100.9	105.0	106.7	106.9	105.8	103.2	100.0	96.8							

	50	79.0	84.2	86.8	87.8	87.4	87.1	87.3	85.9	85.0	83.3					
	63	83.7	87.6	90.4	92.0	93.3	93.3	90.9	89.6	86.9	84.5					
SIDELINE 200. FT.	80	84.7	89.2	91.0	91.8	93.2	93.4	93.3	91.5	90.3	87.2					
(60.96 M)	100	82.6	89.0	91.4	92.8	93.4	93.4	93.3	92.9	91.5	89.4					
	125	78.6	84.9	86.8	90.7	91.3	91.1	89.5	89.1	87.5	84.5					
	160	74.8	81.0	84.7	86.1	86.2	86.2	85.9	84.8	83.1	80.7					
	200	74.1	81.3	84.8	86.7	87.4	87.4	86.1	84.7	83.3	81.2					
	250	72.1	79.2	83.7	86.4	87.0	86.6	85.0	84.4	83.0	80.3					
	315	69.3	76.5	82.5	84.8	85.4	85.3	84.2	82.6	80.7	77.7					
	400	68.1	75.6	82.7	85.9	86.6	85.7	84.7	82.6	80.6	77.2					
	500	66.8	74.7	81.3	85.5	86.5	85.4	83.3	82.0	79.5	76.6					
	630	66.7	74.7	81.1	86.6	87.6	86.8	84.5	82.5	80.4	76.5					
	800	68.3	76.8	82.7	87.2	89.2	88.2	85.7	83.9	81.3	77.2					
	1000	73.7	81.3	88.3	92.8	94.8	94.6	93.1	89.3	86.6	81.3					
	1250	76.2	83.9	90.3	94.6	96.8	96.1	94.4	90.4	87.9	82.4					
	1600	74.4	82.5	89.2	92.8	94.6	93.7	91.0	87.7	84.5	80.6					
	2000	75.9	84.9	89.7	94.1	95.1	94.5	91.9	89.4	85.5	82.3					
	2500	75.3	85.0	90.5	94.1	94.5	94.0	91.4	88.7	85.1	83.0					
	3150	71.4	84.8	90.5	93.1	95.0	94.8	93.5	90.6	86.9	84.1					
	4000	70.0	83.6	89.4	92.4	93.4	93.6	93.3	90.0	85.9	83.1					
	5000	65.9	82.7	87.5	90.6	91.4	92.0	92.0	88.6	84.9	82.8					
	6300	65.3	80.0	86.1	89.6	90.6	91.1	91.4	88.3	85.4	83.6					
	8000	61.9	77.5	84.4	87.9	89.9	90.0	90.2	86.2	84.4	82.4					
	10000	55.4	74.4	82.3	86.3	87.8	89.0	88.9	86.6	83.5	81.0					
OVERALL CALCULATED	90.7	97.3	101.7	104.6	105.8	105.6	104.4	102.0	99.6	96.6	93.6					
PMDB	96.7	106.6	114.2	117.2	118.6	118.4	117.2	114.5	111.4	108.5						

Run 46/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH . DAY . HR. . IS. 0																
		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(10.	110.)
	50																	
	63																	
	80																	
RADIAL 17. FT.	100	89.0	87.6	83.1	84.3	86.3	88.0	89.3	89.6	89.5	88.6							121.7
(5. M)																		
VEHICLE UTWSIM	125	96.0	94.6	94.6	93.8	92.8	93.8	94.0	93.8	95.0	95.1							127.9
CONFIG HDWALL	160	91.0	92.9	94.6	93.8	91.8	92.0	92.5	91.1	90.5	90.8							125.8
LOC SCHENECTADY	200	90.8	90.9	90.8	92.3	93.8	93.8	91.8	89.3	87.5	86.6							124.0
DATE 7/23/75	250	96.8	95.6	93.6	92.8	92.7	94.5	94.7	93.8	93.0	90.0							127.4
RUN 46/1	315	95.0	97.1	95.3	93.3	91.7	92.0	92.3	92.0	91.3	90.1							126.0
TAPE	400	86.8	89.1	90.6	90.3	89.5	87.8	85.8	85.6	85.0	83.1							121.3
BAR 29.8 HG	500	82.8	85.9	85.6	84.3	83.0	82.6	81.0	80.3	79.5	77.3							118.1
(00468. N/H2)	630	83.8	87.4	87.3	87.3	85.5	83.8	81.8	79.8	78.8	76.6							117.7
TAMB 79. DEG F	800	80.6	88.1	89.3	89.0	88.0	86.1	83.8	81.6	79.8	76.8							119.4
(299. DEG K)	1000	78.6	87.4	90.3	89.5	87.7	85.6	83.0	81.1	80.5	75.6							119.4
TNET 70. DEG F	1250	80.6	87.9	90.6	90.3	89.2	86.9	84.6	82.1	79.8	76.6							120.3
(294. DEG K)	1500	80.3	88.0	91.9	91.8	89.7	87.6	84.9	82.7	84.0	76.6							121.3
HACT15.73 GH/M3	2000	86.6	93.7	97.4	99.3	98.5	95.4	92.6	89.7	86.3	82.6							128.5
(.01573 KG/M3)	2500	88.3	95.0	98.4	99.2	98.4	95.9	92.6	89.7	86.5	83.1							128.8
NFA 7088. RPM	3150	86.5	93.4	96.1	98.5	96.9	93.9	90.6	87.5	84.2	80.9							127.2
(742. RAD/SEC)	4000	94.2	100.4	105.0	107.6	102.8	99.1	95.1	92.9	88.6	87.5							134.0
NFK 6955. RPM	5000	90.8	96.8	100.4	102.0	99.0	96.0	92.5	88.9	85.8	83.5							130.3
(728. RAD/SEC)	6300	88.6	95.7	98.4	100.0	99.4	97.9	96.8	91.7	89.7	85.5							130.3
NFD 11517. RPM	8000	88.2	95.9	97.9	99.2	97.7	96.3	92.2	88.1	85.4	82.6							128.8
(1206. RAD/SEC)	10000	88.3	96.8	99.2	99.4	98.3	96.5	93.4	89.1	84.6	82.6							129.0
NO. OF BLADES 18	12500	87.4	95.1	97.6	98.1	97.1	94.8	92.5	87.8	83.6	81.1							128.4
FAN TIP SPEED	16000	85.5	93.5	95.0	95.5	94.3	92.8	90.8	85.0	80.8	78.9							126.3
619. FT/SEC	20000	84.6	91.2	93.5	95.0	93.0	91.6	89.4	84.2	80.5	77.5							125.0
	25000	83.5	89.1	91.7	92.1	91.0	88.9	87.5	82.8	77.9	76.3							124.0
	31500	81.2	87.2	89.9	90.4	89.0	87.6	85.6	80.8	77.2	74.4							123.1
	40000	76.8	84.4	85.6	86.3	85.7	83.7	82.9	77.8	74.7	71.7							120.0
	50000	72.9	80.1	80.7	80.8	82.0	79.6	79.4	73.4	72.2	68.1							118.4
	63000	72.2	73.8	73.8	73.9	75.5	73.1	72.7	67.8	68.9	65.7							114.8
	80000	72.8	72.7	71.2	71.8	72.2	71.6	72.0	69.3	72.1	69.5							117.0
OVERALL MEASURED																		
OVERALL CALCULATED		104.1	108.1	110.6	112.0	109.7	107.7	105.6	103.1	101.7	100.3							141.5
PNDH		115.8	121.4	124.8	126.5	123.4	120.7	117.7	115.3	112.4	110.4							

Run 46/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 4 HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIANs)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.				
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)	(2.47)	(2.65)	(2.83)
SIDELINE 500. FT.	50	61.2	67.4	71.7	72.7	71.8	72.9	73.8	72.5	71.8	71.7				
(152.40 M)	63	60.4	65.0	67.7	70.9	73.6	74.4	72.9	70.5	68.6	67.2				
NFA 1996. RPM	80	65.9	69.3	70.1	71.2	72.4	75.0	75.6	74.8	73.9	71.2				
(209. RAD/SEC)	100	63.6	70.5	71.6	71.4	71.2	72.3	73.0	72.9	72.0	70.3				
NFK 1959. RPM	125	54.9	62.1	66.5	68.2	68.7	67.8	66.3	66.2	65.6	63.1				
(205. RAD/SEC)	160	50.3	58.4	61.2	61.9	61.9	62.4	61.3	60.8	59.8	57.1				
NFD 3244. RPM	200	50.8	59.6	62.6	64.6	64.2	63.4	61.9	60.1	58.9	56.2				
(340. RAD/SEC)	250	47.0	59.9	64.3	66.1	66.5	65.5	63.7	61.6	59.7	56.2				
AIRFLOW RATIO	315	44.3	58.7	64.9	66.3	66.0	64.7	62.7	60.9	60.2	54.7				
WF/WM 12.60	400	45.7	58.7	64.8	66.7	67.2	65.8	64.0	61.7	59.2	55.5				
VEHICLE CONFIG	500	44.8	58.3	65.7	67.9	67.4	66.3	64.0	62.0	63.2	55.2				
LOC DATE 7/23/75	630	50.2	63.5	70.8	75.1	75.8	73.7	71.5	68.8	65.2	61.0				
RUH 46/1	800	51.1	64.1	71.3	74.6	75.4	73.9	71.2	68.5	65.1	61.2				
FAN TIP SPEED	1000	48.5	62.0	68.6	73.4	73.6	71.6	68.9	66.0	62.5	58.6				
619. FT/SEC	1250	55.1	68.2	76.9	82.2	79.1	76.4	73.0	71.1	66.6	64.9				
OVERALL CALCULATED	1600	50.5	63.8	71.7	76.0	74.7	72.9	70.1	66.6	63.3	60.4				
PND8	2000	47.0	61.8	68.9	73.4	74.7	74.4	73.9	69.0	66.8	61.9				
	2500	45.2	61.1	67.9	72.1	72.5	72.3	68.9	65.1	62.1	58.6				
	3150	43.3	60.7	68.1	71.4	72.4	71.9	69.5	65.4	60.7	57.9				
	4000	39.3	56.9	64.9	68.9	70.1	69.2	67.6	63.2	58.7	55.5				
	5000	35.8	54.4	61.6	65.7	66.8	66.8	65.6	60.1	55.6	52.9				
	6300	29.8	48.6	57.6	63.1	63.8	64.0	62.7	57.8	53.8	49.9				
	8000	20.7	41.3	51.9	57.1	59.0	58.9	58.5	54.1	48.9	46.3				
	10000	7.3	32.1	44.6	50.9	53.2	52.1	53.3	48.9	44.9	40.9				
OVERALL CALCULATED		70.1	77.4	82.7	86.5	85.9	85.1	83.7	81.7	79.9	77.7				
PND8		71.7	85.5	92.5	96.7	96.6	95.9	94.4	90.5	87.8	83.9				

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SIDELINE 200. FT.	50	71.0	76.4	80.3	81.1	80.1	81.1	82.0	80.7	80.0	79.9				
(60.96 M)	63	70.5	74.2	76.5	79.5	82.1	82.8	81.2	78.9	77.0	75.6				
	80	76.3	78.8	79.1	79.9	81.0	83.5	84.1	83.3	82.4	79.7				
	100	74.3	80.2	80.7	80.3	79.9	80.9	81.5	81.5	80.6	78.9				
	125	65.9	72.0	75.9	77.2	77.6	76.6	75.0	74.9	74.3	71.9				
	160	61.6	68.6	70.8	71.1	71.0	71.3	70.2	69.6	68.7	66.0				
	200	62.4	70.0	72.4	74.0	73.4	72.5	70.9	69.0	67.9	65.2				
	250	58.9	70.6	74.3	75.7	75.8	74.7	72.8	70.7	68.8	65.4				
	315	56.6	69.6	75.1	76.1	75.4	74.1	72.0	70.1	69.4	64.0				
	400	58.4	70.0	75.3	76.7	76.8	75.2	73.4	71.1	68.6	65.0				
	500	57.8	69.8	76.4	78.1	77.2	75.9	73.6	71.6	72.8	64.9				
	630	63.8	75.4	81.7	85.4	85.9	83.6	81.3	78.5	74.9	70.8				
	800	65.1	76.4	82.5	85.3	85.7	84.0	81.2	78.4	75.0	71.2				
	1000	63.0	74.6	80.1	84.3	84.0	81.8	79.1	76.1	72.7	68.8				
	1250	70.3	81.3	88.8	93.3	89.8	86.9	83.4	81.4	77.0	75.4				
	1600	66.4	77.4	84.0	87.5	85.8	83.7	80.7	77.2	74.0	71.2				
	2000	63.7	76.0	81.7	85.4	86.1	85.5	84.9	79.9	77.8	73.1				
	2500	62.8	75.9	81.1	84.4	84.2	83.7	80.2	76.3	73.4	70.0				
	3150	62.2	76.3	82.0	84.3	84.7	83.6	81.2	77.1	72.4	69.8				
	4000	60.2	73.9	79.9	82.6	83.1	81.8	80.0	75.5	71.1	68.1				
	5000	57.8	72.2	77.2	80.0	80.3	79.9	78.4	72.8	68.4	66.0				
	6300	55.1	68.7	75.0	78.9	78.7	78.2	76.7	71.7	67.8	64.2				
	8000	51.2	64.9	72.0	75.2	75.9	75.0	74.2	69.7	64.6	62.4				
	10000	45.0	60.7	68.5	72.3	72.9	72.9	71.5	67.0	63.1	59.6				
OVERALL CALCULATED		81.3	89.0	94.2	97.5	96.6	95.3	93.6	91.1	89.1	86.8				
PND8		87.8	100.2	105.8	107.6	108.5	107.5	105.5	101.7	98.9	95.2				

Run 46/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRG. DATE - MONTH & DAY & HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	66.7	73.2	77.9	79.4	78.3	79.1	79.8	78.4	78.3	77.7						
	63	64.9	70.4	73.1	75.4	77.4	77.7	75.9	73.5	72.1	70.3						
SIDELINE 500. FT.	80	70.6	75.0	76.0	76.9	78.1	79.7	79.9	79.5	78.4	75.2						
(152.40 M)	100	67.6	74.6	77.0	77.6	77.6	78.5	78.7	78.4	77.5	76.3						
NFA 2492. RPM	125	61.1	68.7	73.2	75.6	76.2	75.6	73.8	73.2	72.3	69.8						
(261. RAD/SEC)	160	57.0	64.8	68.6	69.4	69.2	69.6	69.1	68.2	66.8	64.4						
NFK 2436. RPM	200	56.0	65.4	68.1	70.6	71.0	70.9	69.6	68.3	66.2	64.2						
(255. RAD/SEC)	250	52.9	62.8	68.5	70.8	71.7	71.4	70.2	68.6	66.2	63.7						
NFD 3244. RPM	315	50.5	60.3	67.6	70.5	70.7	69.7	68.7	66.9	64.2	61.0						
(340. RAD/SEC)	400	49.6	59.6	68.8	71.7	71.4	70.2	68.5	67.4	64.0	60.2						
AIRFLOW RATIO	500	48.0	59.1	68.1	72.4	72.4	70.7	68.8	67.2	64.5	60.5						
WF/WB 12.60	630	47.7	59.9	68.0	73.3	73.8	72.2	70.3	68.3	64.9	60.5						
	800	54.1	67.5	75.5	80.6	80.4	80.6	77.2	75.5	71.6	66.9						
VEHICLE UT+SIM	1000	52.9	65.9	74.0	79.7	80.3	79.3	76.9	73.9	71.0	66.1						
CONFIG HD+ALL	1250	52.4	65.1	72.6	78.4	79.3	77.4	75.0	71.8	69.1	64.9						
LOC SCHENECTADY	1600	56.2	69.4	77.4	82.7	83.0	81.8	78.1	74.3	72.1	68.1						
DATE 7/23/75	2000	51.0	64.9	73.4	77.6	78.4	77.6	75.2	71.7	68.0	65.4						
RUN 46/2	2500	50.2	65.0	73.3	77.8	79.5	79.0	76.9	73.5	69.4	65.9						
TAPE	3150	47.5	63.8	72.6	77.4	78.9	78.1	76.5	73.4	69.0	65.2						
FAN TIP SPEED	4000	45.1	61.3	70.4	75.1	76.8	76.2	75.4	71.7	66.7	63.3						
772. FT/SEC	5000	43.6	59.0	67.4	71.7	73.4	73.6	73.1	68.3	64.1	61.2						
	6300	37.3	53.6	63.1	68.2	70.6	71.0	70.8	66.1	62.4	59.2						
	8000	29.5	47.2	58.1	63.9	66.3	66.9	66.3	62.9	59.2	56.1						
	10000	16.9	38.9	51.4	58.0	60.1	61.7	61.1	58.0	55.5	50.5						
OVERALL CALCULATED		74.4	81.6	86.6	90.2	90.8	90.5	89.0	87.0	85.3	83.0						
PNDB		76.4	89.1	96.8	101.4	102.5	101.9	100.3	97.4	93.8	90.3						

	50	76.5	82.2	86.5	87.8	86.6	87.3	88.0	86.6	86.5	85.9						
	63	75.0	79.6	81.9	84.0	85.8	86.0	84.2	81.8	80.5	78.8						
SIDELINE 200. FT.	80	81.0	84.4	85.0	85.6	86.7	86.2	86.3	86.0	86.9	83.7						
(60.96 M)	100	78.3	84.3	85.2	86.5	86.4	87.1	87.3	86.9	86.1	84.9						
	125	72.1	78.6	82.5	84.7	85.0	84.3	82.5	81.9	81.0	78.9						
	160	68.3	75.0	78.2	78.6	78.2	78.5	77.9	77.1	75.7	73.3						
	200	67.6	75.8	77.8	80.0	80.1	79.9	78.6	77.2	75.4	73.2						
	250	64.9	73.4	78.4	80.4	81.0	80.6	79.3	77.7	75.3	72.9						
	315	62.4	71.3	77.6	80.3	80.2	79.0	77.9	76.1	73.4	70.3						
	400	62.3	70.8	79.2	81.7	81.1	79.7	77.9	76.8	73.4	69.7						
	500	61.0	70.7	78.6	82.5	82.2	80.4	78.3	76.8	74.0	70.2						
	630	61.2	71.7	78.9	83.6	83.9	82.0	80.0	78.0	74.7	70.3						
	800	68.1	79.7	86.7	91.2	90.7	90.7	87.2	85.4	81.6	77.0						
	1000	67.5	78.5	85.5	90.5	90.8	89.6	87.1	84.0	81.2	76.3						
	1250	67.5	78.2	84.5	89.6	90.1	87.9	85.4	82.1	79.5	75.4						
	1600	72.1	83.0	89.7	94.3	94.1	92.7	88.7	84.9	82.7	78.9						
	2000	67.7	79.1	86.1	89.6	89.9	89.0	86.2	82.7	79.0	76.6						
	2500	67.8	79.7	86.5	90.1	91.2	90.4	88.2	84.7	80.6	77.3						
	3150	66.4	79.5	86.5	90.3	91.2	90.0	88.2	85.0	80.7	77.1						
	4000	65.9	78.3	85.3	89.9	89.9	88.8	87.8	84.0	79.1	75.9						
	5000	65.6	76.8	82.9	86.0	86.9	86.6	85.9	81.0	76.0	74.2						
	6300	62.7	73.9	80.5	84.0	85.5	85.3	84.7	80.0	76.3	73.5						
	8000	60.0	70.9	78.2	82.0	83.2	83.0	82.1	78.5	75.0	72.2						
	10000	54.6	67.4	75.3	79.3	79.8	80.4	79.4	76.1	73.7	69.3						
OVERALL CALCULATED		85.6	92.7	97.8	101.3	101.7	100.9	99.1	96.7	94.6	92.2						
PNDB		92.7	103.7	110.2	117.8	114.4	113.5	112.8	108.7	105.2	101.9						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT REL. HUM. VAV)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(10.)	(20.)	(30.)	(40.)	(50.)	(60.)	(70.)
SIDELINE 500. FT.	50	66.4	74.0	78.4	80.4	78.8	79.6	79.5	78.4	78.0	76.4							
(152.40 M)	63	66.7	71.6	74.3	76.6	78.4	78.7	76.9	74.5	72.9	71.4							
NFA 2656. RPM	80	71.3	76.0	77.8	78.4	79.1	80.2	80.4	79.5	77.9	75.2							
(278. RAD/SEC)	100	68.9	76.3	78.2	79.6	79.4	79.7	80.5	79.9	78.2	77.0							
NFK 2596. RPM	125	62.3	69.7	74.4	77.1	77.4	76.8	75.5	74.9	74.5	71.0							
(272. RAD/SEC)	160	57.3	65.8	69.9	71.6	71.4	71.1	70.3	70.0	68.8	66.3							
NFD 3244. RPM	200	57.7	66.2	70.1	72.1	73.0	72.4	71.1	69.3	68.4	65.4							
(340. RAD/SEC)	250	54.9	63.8	69.5	72.6	73.0	72.4	71.7	70.1	67.9	65.4							
AIRFLOW RATIO	315	52.8	61.8	69.1	71.8	72.4	71.5	70.4	68.6	65.9	62.6							
WF/WH 12.60	400	50.1	61.4	69.3	72.7	72.7	71.7	70.2	68.7	65.9	62.4							
VEHICLE CONFIG	500	48.5	60.4	68.9	73.6	73.9	72.0	70.3	68.2	65.9	62.2							
LOC SCHENECTADY	630	55.2	66.4	74.5	79.0	80.8	80.0	77.8	75.5	72.1	68.9							
DATE 7/23/75	800	56.8	68.5	76.2	81.6	83.7	82.6	80.3	77.8	74.3	68.6							
RUN 46/3	1000	54.9	67.3	74.9	79.9	81.5	79.8	77.4	74.2	70.9	67.0							
TAPE	1250	54.6	68.1	75.6	80.1	81.8	80.8	78.3	75.1	71.5	67.8							
FAN TIP SPEED	1600	55.1	69.1	76.4	80.8	82.0	81.9	78.2	75.2	71.3	68.2							
823. FT/SEC	2000	52.3	66.9	74.5	78.9	80.5	80.5	77.9	74.7	71.1	67.3							
OVERALL CALCULATED	2500	51.2	67.8	75.5	79.6	81.5	81.2	79.5	76.4	71.9	68.2							
PND8	3150	48.9	66.5	73.9	78.1	79.6	79.9	79.0	75.8	70.8	67.2							
	4000	44.8	62.8	69.9	74.6	76.4	76.8	75.8	71.5	67.7	64.6							
	5000	41.7	60.4	68.8	73.2	75.1	75.3	74.7	70.5	67.5	64.5							
	6300	36.6	55.8	64.4	69.7	72.5	72.0	72.1	68.3	65.9	62.4							
	8000	26.7	49.3	59.7	65.6	67.8	68.8	68.5	65.1	62.9	57.8							
	10000	11.6	38.6	51.0	57.4	61.1	61.4	62.4	58.6	57.6	51.9							
		75.6	82.9	87.7	91.2	92.4	92.0	90.6	88.5	86.2	83.5							
		76.9	91.1	98.4	102.5	104.1	103.8	102.4	99.5	95.8	92.1							

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OF POOR QUALITY

	50	76.2	83.0	87.0	88.8	87.1	87.8	87.8	86.6	86.3	84.6							
	63	76.7	80.8	83.1	85.2	86.8	87.0	85.2	82.8	81.2	79.8							
SIDELINE 200. FT.	80	81.7	85.4	86.8	87.1	87.7	86.7	88.8	88.0	85.3	83.7							
(60.96 M)	100	79.5	86.0	87.4	88.5	88.1	88.4	89.0	88.4	86.8	85.6							
	125	73.3	79.6	83.8	86.2	86.3	85.6	84.2	83.6	83.2	79.8							
	160	69.1	76.0	79.4	80.8	80.5	80.0	79.2	78.8	77.6	75.2							
	200	69.3	76.6	79.8	81.5	82.1	81.4	80.1	78.2	77.3	74.4							
	250	66.9	74.4	79.4	82.1	82.3	81.6	80.8	79.2	77.0	74.6							
	315	65.1	72.8	79.3	81.5	81.9	80.8	79.7	77.8	75.2	72.0							
	400	62.8	72.6	79.7	82.7	82.3	81.2	79.6	78.1	75.3	71.9							
	500	61.5	71.9	79.5	83.8	83.7	81.6	79.8	77.8	75.5	71.8							
	630	68.7	78.2	85.4	89.4	90.8	89.8	87.5	85.3	81.9	78.8							
	800	70.8	80.8	87.5	92.2	93.9	92.7	90.2	87.7	84.2	78.7							
	1000	69.4	80.0	86.5	90.7	92.0	90.0	87.6	84.3	81.1	77.3							
	1250	69.7	81.2	87.5	91.2	92.5	91.3	88.6	85.4	81.9	78.3							
	1600	71.0	82.8	88.7	92.3	93.1	92.7	88.8	85.8	81.9	79.0							
	2000	69.1	81.1	87.3	90.8	91.9	91.6	88.9	85.7	82.0	78.4							
	2500	68.8	82.6	88.7	91.9	93.3	92.6	90.8	87.6	83.2	79.6							
	3150	67.7	82.2	87.8	91.0	91.9	91.8	90.7	87.4	82.5	79.1							
	4000	65.6	79.9	84.8	88.4	89.4	89.4	88.2	83.6	80.1	77.2							
	5000	63.7	78.2	84.4	87.5	88.6	88.3	87.5	83.2	80.3	77.5							
	6300	62.0	76.0	81.8	85.5	87.3	86.3	86.0	82.2	79.9	76.7							
	8000	57.2	73.0	79.9	83.7	84.7	84.9	84.3	80.7	78.6	73.9							
	10000	49.3	67.2	75.0	78.7	80.9	80.2	80.6	76.7	75.9	70.6							
OVERALL CALCULATED		86.6	94.2	99.0	102.2	103.1	102.5	100.9	98.3	95.8	92.9							
PND8		93.5	105.8	111.4	114.7	115.8	115.2	113.9	110.8	107.1	103.7							

Run 46/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 HR. 15.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	50	66.9	75.2	79.6	80.9	80.3	79.4	79.8	77.9	77.3	76.6	
	63	67.7	72.6	75.6	78.1	79.9	79.4	77.9	75.5	73.9	72.4	
SIDELINE 500. FT.	80	72.3	76.7	78.5	79.4	80.1	81.4	81.9	80.6	79.4	76.2	
(152.40 M)	100	69.6	76.6	79.2	80.6	80.6	81.0	81.2	80.6	79.7	78.0	
NFA 2755. RPM	125	63.6	70.0	75.4	78.4	78.7	78.3	76.5	76.2	74.8	72.8	
(268. RAD/SEC)	160	58.3	66.8	70.9	72.4	72.7	72.3	72.3	71.0	69.5	67.3	
NFK 2693. RPM	200	58.2	66.7	71.1	73.1	73.7	73.7	72.6	71.3	69.9	67.4	
(282. RAD/SEC)	250	54.9	64.8	70.5	73.6	73.7	73.7	72.7	71.1	69.1	66.6	
NFD 3244. RPM	315	52.5	62.6	69.6	72.5	72.9	73.0	71.2	69.6	66.9	63.9	
(340. RAD/SEC)	400	51.4	61.4	70.0	73.5	73.9	73.0	71.5	69.7	66.7	63.7	
AIRFLOW RATIO	500	49.5	60.9	69.6	74.1	74.4	74.0	71.0	69.2	66.9	63.2	
WF/M 12.60	630	54.0	66.4	73.2	78.3	79.8	79.5	77.3	73.8	71.1	66.7	
	800	57.8	70.0	77.2	82.6	84.7	84.6	82.5	79.0	76.6	71.4	
VEHICLE UTHSIM	1000	55.9	67.8	75.9	80.9	82.5	80.5	78.4	74.9	71.9	68.0	
CONFIG MDHALL	1250	55.3	67.6	75.1	80.1	81.5	80.6	78.5	75.3	72.3	68.6	
LOC SCHENECTADY	1600	56.4	70.4	78.1	82.8	84.0	83.4	80.2	76.7	73.0	69.7	
DATE 7/23/75	2000	52.1	66.9	74.5	79.2	81.0	81.0	79.1	75.5	71.8	68.3	
RUN 46/4	2500	52.0	66.1	76.2	80.9	82.0	81.7	81.0	77.1	72.7	69.7	
TAPE	3150	50.1	67.0	74.6	79.1	80.6	80.6	80.5	76.8	71.8	68.7	
FAN TIP SPEED	4000	45.5	62.8	70.9	76.4	77.6	77.8	77.5	73.0	68.7	66.3	
854. FT/SEC	5000	42.4	61.1	69.6	74.7	76.1	76.3	76.2	72.0	68.8	66.2	
	6300	37.4	56.3	66.2	71.2	73.5	73.3	73.3	69.8	66.4	64.2	
	8000	26.4	50.6	61.2	66.6	69.3	71.0	70.0	66.9	63.4	60.3	
	10000	10.9	40.1	52.5	58.9	62.4	63.4	64.1	60.1	57.9	53.9	
OVERALL CALCULATED		76.4	83.6	88.6	92.1	93.3	93.0	91.8	89.3	87.1	84.6	
PNDB		77.8	91.6	99.1	103.6	104.8	104.6	103.8	100.5	96.7	93.6	

	50	76.7	84.2	88.2	89.3	88.6	87.6	88.0	86.1	85.5	84.8	
	63	77.7	81.8	84.4	86.7	88.3	87.8	86.2	83.8	82.2	80.8	
SIDELINE 200. FT.	80	82.7	86.2	87.5	88.1	88.7	89.9	90.3	89.2	87.9	84.7	
(80.96 M)	100	80.3	86.3	88.4	89.5	89.4	89.6	89.8	89.2	88.3	86.6	
	125	74.6	79.9	84.8	87.4	87.5	87.1	85.2	84.9	83.5	81.5	
	160	69.6	77.0	80.4	81.6	81.7	81.2	81.2	79.8	78.4	76.2	
	200	69.8	77.1	80.8	82.5	82.9	82.7	81.6	80.2	78.8	76.4	
	250	66.9	75.4	80.4	83.1	83.0	82.9	81.8	80.2	78.2	75.8	
	315	64.8	73.5	79.8	82.3	82.4	82.3	80.4	78.8	76.2	73.2	
	400	64.1	72.6	80.4	83.4	83.6	82.5	80.9	79.1	76.1	73.2	
	500	62.5	72.4	80.3	84.3	84.2	83.6	80.6	78.8	76.5	72.8	
	630	67.5	78.2	84.1	88.6	89.8	89.3	87.0	83.5	80.9	76.5	
	800	71.8	82.3	88.5	93.2	94.9	94.7	92.4	88.9	86.5	81.4	
	1000	70.4	80.5	87.5	91.7	93.0	93.8	88.6	85.0	82.1	78.3	
	1250	70.4	80.7	87.0	91.2	92.3	91.1	88.9	85.6	82.6	79.1	
	1600	72.3	84.0	90.4	94.3	95.1	94.2	90.8	87.3	83.7	80.5	
	2000	68.8	81.1	87.3	91.1	92.4	92.1	90.1	86.4	82.8	79.4	
	2500	69.5	82.8	89.4	93.2	93.8	93.1	92.3	88.3	83.9	81.1	
	3150	69.0	82.7	88.5	92.0	92.9	92.5	92.2	88.4	83.5	80.6	
	4000	66.3	79.9	85.8	90.1	90.7	90.4	89.9	85.3	81.1	79.0	
	5000	64.4	78.9	85.2	89.0	89.6	89.3	89.0	84.7	81.6	79.3	
	6300	62.7	76.5	83.6	87.0	88.3	87.5	87.3	83.7	80.4	78.4	
	8000	56.9	74.2	81.4	84.7	86.2	87.2	85.8	82.5	79.1	76.4	
	10000	48.6	68.7	76.5	80.2	82.1	82.2	82.4	78.2	76.1	72.6	
OVERALL CALCULATED		87.4	94.8	99.8	103.1	104.0	103.5	102.2	99.2	96.7	94.1	
PNDB		94.3	106.3	112.2	115.8	116.6	116.1	115.3	111.8	108.1	105.2	

Run 46/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. RATE = MONTH 0 DAY 6 MR. 1980

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL 17. FT.	80																	
(5. MI)	100	96.8	93.0	87.0	87.0	88.5	89.8	90.5	91.0	91.0	89.8							124.3
VEHICLE UTMSIM	125	98.0	97.0	96.0	96.0	95.5	96.5	96.0	94.8	94.3	93.8							129.3
CONFIG MDHALL	160	98.8	102.3	102.8	103.5	101.3	96.8	96.5	97.3	96.0	95.5							133.6
LCC SCHENECTADY	200	99.2	100.2	100.2	101.0	101.2	99.7	97.5	95.2	93.7	92.2							132.3
DATE 7/23/75	250	103.2	103.2	102.7	102.0	101.7	102.0	101.7	100.2	99.5	96.5							135.0
RUN 46/5	315	101.7	104.0	104.0	103.0	102.2	101.3	101.7	100.5	99.7	98.2							139.3
TAPE	400	96.8	96.8	100.5	101.5	100.0	98.5	97.0	96.8	95.2	93.7							132.0
BAR 29.8 HG	500	92.5	95.5	96.0	95.8	94.7	93.8	92.5	92.0	90.5	88.8							127.2
(00466. N/M2)	630	92.3	96.3	96.5	96.8	96.5	95.3	93.5	92.0	91.0	89.0							128.1
TAMB 86. DEG F	800	90.0	94.3	96.3	97.0	96.7	95.1	94.0	92.5	90.5	88.3							128.8
(303. DEG K)	1000	88.0	92.3	95.7	96.7	95.5	94.3	92.3	91.0	88.7	86.0							126.9
T-ET 72. DEG F	1250	87.3	91.6	96.0	97.5	96.2	94.3	92.6	90.8	88.5	86.0							127.2
(295. DEG K)	1600	85.3	91.1	95.5	98.3	97.7	95.1	92.1	90.1	88.5	84.8							127.7
HACT15.47 GM/H3	2000	87.0	91.8	95.5	99.2	98.7	96.1	93.9	91.7	89.0	85.6							128.7
(.01547 KG/H3)	2500	90.5	95.8	98.8	102.0	101.7	99.9	97.4	95.4	92.7	88.3							131.0
NFA 10155. RPM	3150	96.2	100.8	104.5	107.9	107.9	108.3	105.6	103.9	99.7	94.6							134.0
(1063. RAD/SEC)	4000	95.6	100.3	103.7	106.1	106.3	104.3	101.3	97.4	95.1	91.0							136.2
NFK 5901. RPM	5000	95.6	99.9	103.4	105.7	105.7	103.5	101.0	97.9	94.5	91.2							135.7
(1037. RAD/SEC)	6300	98.9	104.4	107.8	109.5	108.2	105.4	103.6	98.9	96.4	94.2							136.9
NFD 11517. RPM	8000	95.2	102.0	104.4	105.7	105.4	104.5	102.2	99.1	95.4	92.8							138.5
(1206. RAD/SEC)	10000	96.5	104.0	107.2	107.6	108.1	106.0	104.2	101.1	97.3	94.0							138.7
NO. OF BLADES 18	12500	96.4	104.0	106.3	107.1	106.9	105.3	104.5	101.0	96.6	93.9							138.4
FAH TIP SPEED	16000	94.5	102.2	104.0	105.8	104.8	103.6	103.1	98.5	95.5	93.1							136.0
887. FT/SEC	20000	92.7	100.9	103.5	105.0	103.9	103.1	102.5	98.3	95.3	93.1							138.7
	25000	91.9	99.8	102.3	103.4	103.1	101.6	100.4	97.1	94.0	92.9							138.0
	31500	88.9	98.8	101.2	102.3	101.4	100.8	99.0	96.5	93.5	91.3							135.7
	40000	82.2	95.2	97.6	97.6	97.9	96.7	96.6	92.5	90.4	88.1							133.4
	50000	76.5	91.1	92.5	93.6	94.4	93.0	92.7	87.2	86.8	83.4							131.2
	63000	75.7	84.3	85.0	85.4	87.5	86.3	85.2	79.8	80.9	77.2							128.7
	80000	80.5	82.8	81.9	82.5	82.9	82.6	82.8	80.0	82.8	80.2							128.5
OVERALL MEASURED																		
OVERALL CALCULATED		110.6	114.6	116.7	118.0	117.6	116.2	114.7	112.0	109.4	107.0							149.2
PND8		120.8	125.3	128.1	129.9	129.7	129.0	126.7	124.7	121.5	117.7							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39 DEG. P. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
FREQ. (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.10) (2.28)	50	68.9	76.7	79.9	82.4	81.3	79.6	79.8	78.7	77.3	76.4
SIDELINE 500. FT. (152.40 M)	63	68.9	74.4	77.1	79.6	81.1	80.4	78.6	76.5	74.9	72.9
NFA 2860. RPM (299. RAD/SEC)	80	72.3	77.0	79.3	80.8	81.4	82.4	82.6	81.3	80.4	78.9
NFK 2789. RPM (292. RAD/SEC)	100	70.4	77.3	80.2	81.1	81.6	81.5	82.5	81.4	80.4	78.5
NFD 3244. RPM (340. RAD/SEC)	125	64.5	71.7	76.4	79.6	79.2	78.6	77.5	77.4	75.8	73.8
AIRFLOW RATIO W/F/M 12.60	160	50.3	68.1	71.6	73.4	73.7	73.0	72.8	72.5	70.8	68.6
VEHICLE CONFIG LCC SCHEMECTACY DATE 7/23/75 RUN: 40/5 TAPE FAN TIP SPEED 886. FT/SEC	200	59.2	68.4	71.8	74.1	75.2	74.4	73.6	72.3	71.1	68.6
	250	56.4	66.0	71.2	74.1	75.2	74.4	73.9	72.6	70.4	67.6
	315	53.8	63.6	70.4	73.5	73.7	73.5	71.9	70.9	68.4	65.1
	400	52.4	62.4	70.3	74.0	74.2	73.2	72.0	70.4	67.9	64.9
	500	49.7	61.4	69.4	74.4	75.4	73.7	71.3	69.5	67.7	63.4
	630	54.2	65.6	72.2	77.8	79.1	78.2	76.3	74.5	71.6	66.7
	800	59.1	70.0	77.5	83.3	84.9	86.4	84.3	82.8	78.3	72.6
	1000	57.6	68.9	76.2	81.1	83.0	82.0	79.7	75.9	73.4	68.7
	1250	56.6	67.8	75.3	80.3	82.0	80.8	79.0	76.1	72.5	68.6
	1600	58.6	71.4	79.1	83.6	84.0	82.4	81.2	77.7	74.0	71.2
	2000	53.6	68.2	75.0	79.2	80.8	81.0	79.4	76.5	72.6	69.3
	2500	53.7	69.3	77.2	80.6	83.1	82.2	81.1	78.2	74.2	70.2
	3150	51.6	68.1	75.4	79.3	81.2	80.9	80.8	77.5	72.9	69.4
	4000	46.8	64.4	71.6	76.9	78.1	78.3	78.5	74.3	71.0	67.9
	5000	43.5	62.2	70.6	75.7	76.9	77.6	77.8	73.8	70.6	67.3
	6300	37.7	57.9	67.0	72.3	74.5	74.8	74.3	71.4	68.0	66.0
	8000	27.0	51.9	62.3	68.2	70.4	71.6	70.9	68.7	65.4	62.1
OVERALL CALCULATED	10000	9.7	41.5	53.6	59.5	63.5	64.5	65.7	62.0	59.5	55.9
PND8		77.2	84.5	89.2	92.7	93.8	93.6	92.6	90.5	88.1	85.2
		79.3	92.7	99.9	103.9	105.6	105.1	104.4	101.5	98.0	94.5

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50	78.7	85.7	88.5	90.8	89.6	87.8	88.0	86.9	85.5	84.6
63	79.0	83.6	85.9	88.2	89.6	88.8	86.9	84.8	83.2	81.3
SIDELINE 200. FT. (60.96 M)	80	82.7	86.4	88.3	89.1	89.9	90.9	91.1	89.7	88.8
	100	81.0	87.0	89.4	90.0	90.4	90.1	91.0	89.9	89.0
	125	75.8	81.6	85.8	88.4	88.0	87.3	86.2	86.1	84.5
	160	71.3	78.2	81.2	82.6	82.7	82.5	81.7	81.3	79.8
	200	70.8	78.8	81.6	83.5	84.4	83.9	82.6	81.2	80.1
	250	68.4	76.7	81.2	83.6	84.5	83.6	83.0	81.7	79.5
	315	66.1	74.5	80.5	83.3	83.2	82.8	81.2	80.1	77.7
	400	65.1	73.6	80.7	83.9	83.8	82.7	81.4	79.8	77.3
	500	62.8	72.9	80.0	84.5	85.2	83.4	80.8	79.0	77.2
	630	67.7	77.5	83.2	88.1	89.1	88.1	86.0	84.3	81.4
	800	73.1	82.3	88.7	94.0	95.2	96.4	94.2	92.7	88.3
	1000	72.2	81.5	87.7	92.0	93.5	92.3	89.8	86.8	83.6
	1250	71.7	80.9	87.2	91.5	92.8	91.3	89.4	86.4	82.9
	1600	74.5	85.0	91.5	95.1	95.1	93.2	91.9	88.4	84.7
	2000	73.3	82.4	87.8	91.1	92.2	92.2	90.4	87.4	83.5
	2500	71.3	84.1	90.5	92.9	94.8	93.8	92.3	89.3	85.4
	3150	70.5	83.7	89.3	92.2	93.4	92.8	92.5	89.2	84.6
	4000	67.6	81.4	86.6	90.7	91.2	90.9	90.9	86.6	83.4
	5000	65.4	80.0	85.2	90.0	90.4	90.0	90.5	86.5	83.4
	6300	63.0	78.0	84.4	88.1	89.4	89.1	88.3	85.2	81.9
	8000	57.5	75.5	82.4	86.3	87.3	87.7	86.6	84.3	81.2
OVERALL CALCULATED	10000	47.4	70.1	77.6	80.8	83.2	83.3	84.0	80.0	77.7
PND8		88.3	95.8	100.5	103.7	104.5	104.1	103.0	100.5	97.8
		95.6	107.4	113.0	116.2	117.3	116.6	115.8	112.9	109.3
										106.1

Run 46/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH . DAY . HR. 15.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	4.	0.	PWL
FREQ. (G.35)(10.52)(10.70)(10.87)(11.05)(11.22)(11.40)(11.57)(11.75)(11.92)(12.10)(12.28)(12.46)(12.64)(12.82)(13.00)																		
RADIAL 17. FT.																		
(S. M.)																		
VEHICLE	UTMSIN	125	99.5	94.5	90.3	86.5	83.0	80.0	79.0	80.3	91.0	91.3	89.8					129.2
CONFIG	MCNALL	160	99.8	97.5	97.8	96.5	95.0	96.5	96.5	94.8	95.0	94.3						129.0
LCC	SCHEMECTADY	200	101.5	102.2	102.2	102.5	103.0	101.2	99.0	96.5	95.2	93.7						133.3
DATE	7/23/75	250	104.2	104.7	103.7	103.0	103.0	103.2	103.0	101.5	100.0	97.5						133.9
RPM	46/6	315	102.2	105.0	104.7	104.2	103.5	103.0	102.7	102.0	100.5	99.7						130.1
TAPE		430	99.5	100.0	102.0	102.5	102.0	100.5	98.0	98.0	96.7	95.0						130.5
BAR	29.8 HG	500	93.8	95.0	97.8	97.0	96.2	95.0	94.5	93.3	92.5	90.0						133.5
	(100468. N/M2)	630	94.3	97.0	98.5	98.3	98.0	97.1	95.0	93.8	92.3	90.5						128.6
TAMB	86. DEG F	800	92.0	95.0	97.8	98.3	97.5	97.1	95.3	93.5	92.2	89.8						129.7
	(303. DEG K)	1000	89.3	92.5	96.7	97.2	96.2	96.1	93.5	91.5	89.7	87.2						129.3
TMET	73. DEG F	1250	88.5	92.6	97.3	98.3	97.7	96.8	94.1	92.1	89.3	86.8						127.0
	(290. DEG K)	1600	87.3	92.3	96.0	98.8	98.0	96.6	93.4	91.9	89.2	85.6						128.6
MACT	16.39 GM/M3	2000	88.3	92.8	96.8	99.5	99.5	97.4	94.9	92.4	89.7	86.6						120.5
	(.61639 KG/M3)	2500	91.3	95.3	98.0	101.7	101.7	99.6	97.4	94.9	92.2	88.8						125.5
NFA	10616. RPM	3150	97.5	101.8	105.5	107.9	108.4	106.3	104.4	101.4	98.2	94.3						131.7
	(1111. RAD/SEC)	4000	97.6	101.3	104.7	107.1	108.1	105.3	102.8	99.2	96.6	92.5						131.7
NFK	10350. RPM	5000	96.6	101.7	104.1	106.2	106.5	104.5	101.8	98.9	96.0	92.9						137.5
	(1084. RAD/SEC)	6300	102.1	105.9	108.6	110.8	110.9	108.4	105.6	101.9	97.9	93.7						136.6
NFD	11517. RPM	8000	97.6	102.7	105.6	106.7	106.9	105.2	103.5	100.1	96.9	94.8						149.0
	(1206. RAD/SEC)	10000	95.0	104.7	107.9	109.3	108.8	107.5	105.7	102.3	98.3	96.3						137.6
NO. OF BLADES	18	12500	97.4	105.0	107.3	108.1	108.4	106.3	106.0	102.5	97.8	95.8						140.0
FAN TIP SPEED		16000	96.5	103.4	104.7	106.2	106.0	104.1	104.3	100.2	96.5	95.1						139.6
	927. FT/SEC	20000	94.6	102.1	104.7	105.5	105.3	103.8	103.7	100.2	96.5	95.3						137.0
		25000	94.0	100.5	103.4	104.2	104.3	102.7	102.1	98.8	95.4	94.6						137.0
		31500	99.5	99.9	102.4	103.4	103.3	101.7	100.9	97.6	94.7	93.2						137.1
		40000	83.8	96.1	99.1	99.9	100.0	98.0	98.0	93.8	92.7	89.7						139.1
		50000	80.5	92.3	94.3	94.6	96.4	94.2	94.2	89.0	89.0	85.2						132.7
		63000	76.6	85.4	89.7	87.3	89.0	87.0	86.7	81.2	82.1	78.1						128.5
		80000	80.1	82.4	82.4	82.1	82.5	81.9	82.4	79.5	82.4	79.8						120.1
OVERALL MEASURED																		
OVERALL CALCULATED			112.1	115.6	117.6	118.9	118.9	117.1	115.8	112.9	110.2	108.3						130.3
PNDB			123.0	126.4	129.0	130.7	130.8	128.6	126.8	124.1	121.4	118.4						130.3

Run 46/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH & DAY & YR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. W. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIAN)											
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
SIDELINE 500. FT. (152.40 M)	50	69.4	76.2	79.6	81.6	81.1	79.1	79.8	78.2	77.6	76.1	
NFA 2990. RPM (313. RAD/SEC)	63	71.2	76.4	79.1	81.1	82.9	81.9	80.1	77.7	76.4	74.4	
NFK 2915. RPM (305. RAD/SEC)	80	73.3	78.5	83.3	81.4	82.6	83.7	83.9	82.5	80.9	77.9	
NFD 3244. RPM (340. RAD/SEC)	100	70.9	78.3	81.0	82.4	82.9	83.2	83.5	82.9	81.2	80.0	
AIRFLOW RATIO WF/WH 12.60	125	66.6	73.0	77.9	80.4	81.2	80.6	79.3	78.7	77.3	75.9	
	160	61.3	68.6	73.4	74.6	75.2	74.8	74.2	73.7	72.8	69.8	
	200	61.2	69.2	73.8	75.6	76.7	76.7	75.1	74.0	72.4	70.1	
	250	58.4	66.8	72.7	75.3	76.0	76.4	75.2	73.6	72.1	69.1	
	315	55.0	63.8	71.4	74.0	74.4	75.2	73.2	71.4	69.4	66.4	
	400	53.6	63.4	71.5	74.7	75.7	75.7	73.5	71.7	68.7	65.7	
	500	51.7	62.6	69.9	74.9	75.6	75.2	72.5	71.2	68.4	65.2	
	630	52.0	62.6	70.2	75.3	76.8	75.7	73.8	71.5	68.6	64.9	
	800	54.1	64.5	71.0	77.1	78.7	77.6	76.0	73.7	70.8	66.9	
VEHICLE CONFIG UTHSIM MCWALL	1000	59.4	70.4	78.0	82.9	85.1	84.1	82.7	79.9	76.5	72.0	
LOC SCHENECTADY DATE 7/23/75 RUM 46/6 TAPE	1250	58.6	69.1	76.6	81.6	84.3	82.6	80.8	77.3	74.6	69.9	
	1600	56.3	68.7	75.4	80.2	82.2	81.4	79.3	76.6	73.5	69.8	
	2000	60.5	71.9	79.1	84.2	86.2	84.8	82.7	79.2	75.0	72.1	
	2500	54.7	68.0	75.5	79.5	81.7	81.3	80.2	77.0	73.6	70.8	
	3150	53.0	68.5	76.8	81.4	82.9	82.9	81.8	78.6	74.4	71.6	
FAN TIP SPEED 927. FT/SEC	4000	49.3	66.8	74.8	78.8	81.3	80.7	81.1	77.9	72.9	70.2	
	5000	46.8	64.3	71.3	76.5	78.6	78.1	79.1	75.3	71.3	69.1	
	6300	39.8	59.5	68.8	73.6	76.1	76.2	77.0	73.6	69.8	67.7	
	8000	31.2	52.7	63.6	69.8	72.3	72.6	73.0	70.1	66.4	64.5	
	10000	18.6	44.8	57.0	64.0	67.5	68.1	68.8	65.7	62.4	59.6	
OVERALL CALCULATED		78.4	85.3	89.8	93.1	94.7	94.1	93.2	91.0	88.7	86.2	
PNCB		81.6	93.3	100.6	104.9	106.7	106.3	105.3	102.5	98.9	96.1	

SIDELINE 200. FT. (60.96 M)	50	79.2	85.2	88.3	90.1	89.4	87.3	88.0	86.4	86.0	84.3	
	63	81.2	85.6	87.9	89.7	91.3	90.3	88.4	86.1	84.7	82.8	
	80	83.7	87.9	89.3	90.1	91.2	92.2	92.3	91.0	89.3	86.4	
	100	81.5	88.0	90.2	91.3	91.6	91.9	92.0	91.4	89.8	88.6	
	125	77.6	82.9	87.3	89.4	90.0	89.3	88.0	87.4	86.0	83.8	
	160	72.6	78.7	82.9	83.8	84.2	83.7	83.7	82.8	81.6	78.7	
	200	72.8	79.6	83.6	85.0	85.9	85.7	84.1	83.0	81.3	79.2	
	250	70.4	77.4	82.7	84.9	85.3	85.6	84.3	82.7	81.2	78.3	
	315	67.3	74.8	81.5	83.8	83.9	84.5	82.4	80.6	78.7	75.7	
	400	66.3	74.6	81.9	84.7	85.3	85.2	82.9	81.1	78.1	75.2	
	500	64.8	74.2	82.5	85.0	85.5	84.9	82.1	80.8	78.0	74.6	
	630	65.5	74.5	81.1	85.6	86.9	85.5	83.5	81.2	78.4	74.8	
	800	68.1	76.8	82.2	87.7	89.0	87.7	85.9	83.6	80.8	76.9	
	1000	74.0	83.0	89.5	93.8	95.5	94.3	92.8	90.0	86.6	82.3	
	1250	73.7	82.2	88.5	92.8	95.1	93.1	91.2	87.7	84.9	80.4	
	1600	72.1	82.3	87.7	91.8	93.3	92.2	90.0	87.2	84.2	80.6	
	2000	77.2	80.1	91.9	96.1	97.6	96.0	93.7	90.2	86.0	83.3	
	2500	72.3	82.7	88.8	91.9	93.5	92.7	91.4	88.2	84.8	82.2	
	3150	71.9	84.2	90.7	94.3	95.2	94.8	93.5	90.3	86.1	83.5	
	4000	70.2	83.8	89.6	92.6	94.4	93.3	93.5	90.2	85.3	82.8	
	5000	68.8	82.1	86.9	90.8	92.1	91.1	91.9	88.0	84.1	82.2	
	6300	65.1	79.6	86.2	89.4	90.9	90.5	91.0	87.7	83.8	81.9	
	8000	61.7	76.3	83.7	87.9	89.2	88.8	88.8	85.7	82.2	80.6	
	10000	54.3	73.4	81.0	85.3	87.2	86.9	86.8	83.8	80.6	78.4	
OVERALL CALCULATED		89.5	96.5	101.1	104.3	105.6	104.7	103.7	101.2	98.4	96.0	
PNCB		98.0	108.0	113.9	117.4	118.6	117.9	116.8	113.9	110.3	107.7	

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Run 46/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH A DAY 4 HR. 15.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.																		
(5. M)																		
		50															63	80
VEHICLE UTHSIM		125	99.0	99.5	97.3	96.5	96.3	96.5	96.3	95.3	94.5	94.3					126.8	
CONFIG HDWALL		160	99.0	101.5	100.8	100.3	98.5	97.8	98.0	96.3	95.0	94.6					130.0	
LGC SCHEMECTADY		230	103.5	104.5	104.5	104.5	104.5	103.2	100.5	98.5	96.5	95.5					131.9	
DATE 7/23/75		250	106.0	106.5	106.0	105.0	104.2	104.2	103.7	102.7	101.2	98.7					135.8	
RUN 46/7		315	103.7	106.2	106.7	106.5	106.0	105.3	104.2	103.5	102.0	101.2					137.6	
TAPE		400	99.8	102.3	104.0	104.2	103.2	102.3	101.0	100.3	98.0	96.7					138.4	
BAR 29.8 HG		500	95.8	98.3	99.8	100.3	98.7	97.8	96.8	95.8	94.2	92.0					135.3	
(00466. N/M2)		630	96.0	99.3	99.8	100.3	100.2	98.6	97.3	95.8	94.3	92.5					131.0	
TAMB 89. DEG F		800	94.5	97.5	99.5	100.3	100.0	98.8	97.5	96.0	94.0	91.8					131.6	
(305. DEG K)		1000	91.5	94.8	97.5	98.5	98.7	97.3	95.8	94.3	92.2	89.0					131.4	
THEY 74. DEG F		1250	90.8	94.1	98.5	100.0	99.5	97.8	95.8	94.1	92.0	89.0					129.6	
(296. DEG K)		1600	90.3	93.1	97.5	100.0	99.5	97.4	95.4	93.6	91.0	88.3					130.2	
HACT16.45 GH/M3		2000	90.0	93.8	97.3	101.0	101.0	99.4	96.6	94.2	91.5	88.3					129.9	
(01645 KG/M3)		2500	92.0	95.3	99.0	101.5	102.7	100.9	98.4	96.4	93.2	89.6					131.0	
NFA 11840. RPM		3150	98.0	100.3	104.8	107.7	108.4	108.3	105.9	103.2	99.9	95.3					132.5	
(1240. RAD/SEC)		4000	100.9	103.3	107.2	109.8	110.8	110.5	107.6	104.2	101.1	96.0					139.0	
NFK 11512. RPM		5000	100.1	102.5	105.9	107.5	108.5	106.5	104.0	100.6	97.3	94.2					141.1	
(1205. RAD/SEC)		6300	101.9	105.1	107.3	109.3	109.4	108.2	105.6	102.7	98.9	96.2					136.4	
NFD 11517. RPM		8000	101.7	105.6	108.4	109.7	109.4	107.7	105.2	102.9	99.1	96.8					140.0	
(1206. RAD/SEC)		10000	99.3	106.0	108.7	109.6	110.4	109.5	107.7	104.8	101.1	98.8					140.2	
NO. OF BLADES 18		12500	100.2	106.3	108.8	109.3	109.9	108.6	108.3	104.8	100.6	98.4					141.4	
FAN TIP SPEED		16000	98.3	105.2	107.0	108.5	108.1	106.8	106.8	102.8	99.0	97.4					141.4	
1034. FT/SEC		20000	96.1	104.1	106.5	108.2	107.3	106.1	106.2	102.7	99.5	98.3					140.2	
		25000	95.8	102.5	105.2	106.7	106.8	105.2	104.6	102.1	98.7	97.4					140.1	
		31500	92.5	101.7	104.4	106.0	105.1	104.7	103.7	101.2	97.5	96.2					139.7	
		40000	85.9	98.1	101.5	102.5	101.8	101.1	101.5	97.4	95.0	93.3					139.6	
		50000	78.9	94.7	96.4	97.7	99.2	97.6	98.1	92.8	91.6	88.5					137.8	
		63000	76.0	87.4	88.8	89.5	92.1	89.9	89.8	84.6	84.3	80.3					135.9	
		80000	80.3	82.7	82.7	83.3	84.3	83.4	82.6	79.8	82.6	80.1					130.8	
OVERALL MEASURED																	128.9	
OVERALL CALCULATED		113.6	117.0	119.0	120.2	120.3	119.3	117.8	115.1	112.2	110.1							
PNDB		124.3	127.0	129.9	131.8	132.3	131.5	129.1	126.4	123.6	120.0					152.0		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. WY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	69.2	76.0	77.9	79.1	78.6	78.6	79.3	77.7	76.3	75.6							
	63	73.2	78.6	81.3	83.1	84.4	83.9	81.6	79.7	77.6	76.2							
SIDELINE 500. FT.	80	75.1	80.2	82.5	83.4	83.9	84.7	84.6	83.8	82.1	79.2							
(152.40 M)	100	72.4	79.6	83.0	84.6	85.4	85.5	85.0	84.4	82.7	81.5							
NFA 3335. RPM	125	67.8	75.2	79.9	82.1	82.4	82.3	81.5	80.9	78.5	76.8							
(349. RAD/SEC)	160	63.3	70.8	75.4	77.9	77.7	77.6	77.1	76.2	74.5	71.8							
NFK 3243. RPM	200	63.0	71.4	75.1	77.6	79.0	78.2	77.4	76.1	74.4	72.1							
(339. RAD/SEC)	250	60.9	69.3	74.5	77.3	78.5	78.2	77.4	76.1	73.9	71.1							
NFD 3244. RPM	315	57.3	66.1	72.1	75.3	76.9	76.5	75.4	74.1	71.9	68.1							
(340. RAD/SEC)	400	55.9	64.9	72.8	76.5	77.4	76.7	75.2	73.7	71.4	67.9							
AIPFLOW RATIO	500	54.7	63.4	71.4	76.1	77.1	76.0	74.5	73.0	70.2	66.9							
WF/M 12.60	630	53.7	63.6	70.7	76.8	78.3	77.7	75.5	73.3	70.4	66.7							
	800	54.8	64.5	72.0	76.9	79.7	78.9	77.0	75.2	71.8	67.6							
VEHICLE UTHSIM	1000	59.9	68.9	77.2	82.7	85.1	86.1	84.2	81.7	78.2	73.0							
CONFIG HDWALL	1250	61.9	71.1	79.1	84.4	87.1	87.9	85.6	82.3	79.1	73.4							
LOC SCHENECTADY	1600	59.8	69.4	77.1	81.5	84.2	83.4	81.6	78.3	74.8	71.1							
DATE 7/23/75	2000	60.2	71.2	77.9	82.7	84.7	84.6	82.7	80.0	76.0	72.6							
RUN 46/7	2500	58.7	71.0	78.3	82.6	84.2	83.8	81.9	79.8	75.9	72.8							
TAPE	3150	54.3	69.8	77.6	81.6	84.4	84.9	83.8	81.2	77.2	74.2							
FAN TIP SPEED	4000	52.1	68.1	76.1	80.1	82.8	82.9	83.4	80.2	75.7	72.7							
1034. FT/SEC	5000	48.6	66.0	73.6	78.8	80.6	80.9	81.6	77.8	73.8	71.4							
	6300	41.3	61.5	70.6	76.4	78.1	78.5	79.5	76.4	72.8	70.7							
	8000	33.0	54.7	65.4	71.6	74.8	75.2	75.6	73.4	69.7	67.3							
	10000	18.7	46.6	59.1	66.5	69.3	71.2	71.4	69.3	65.2	62.7							
OVERALL CALCULATED		79.9	86.7	91.1	94.3	96.0	96.1	95.0	93.0	90.3	87.7							
PND8		83.0	94.6	101.7	105.9	108.1	108.3	107.3	104.9	101.3	98.2							

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	50	79.0	85.0	86.5	87.6	86.9	86.8	87.5	85.9	83.5	83.8							
	63	83.2	87.8	90.1	91.7	92.8	92.3	89.9	88.1	85.9	84.5							
SIDELINE 200. FT.	80	85.5	89.7	91.5	92.1	92.4	93.2	93.1	92.2	90.6	87.7							
(60.96 M)	100	83.0	89.3	92.2	93.5	94.1	94.1	93.5	92.9	91.3	90.1							
	125	78.8	85.1	89.3	91.2	91.3	91.1	90.2	89.6	87.2	85.5							
	160	74.6	81.0	84.9	87.1	86.7	86.5	85.9	85.1	83.4	80.7							
	200	74.6	81.8	84.8	87.0	86.1	87.2	86.4	85.0	83.3	81.2							
	250	72.9	79.9	84.4	86.9	87.8	87.4	86.5	85.2	83.0	80.3							
	315	69.6	77.0	82.3	85.0	86.4	85.8	84.7	83.4	81.2	77.5							
	400	68.6	76.1	83.2	86.4	87.1	86.2	84.7	83.1	80.8	77.4							
	500	67.8	74.9	82.0	86.3	87.0	85.6	84.1	82.5	79.7	76.6							
	630	67.2	75.5	81.6	87.1	86.4	87.6	85.3	83.0	80.1	76.5							
	800	68.9	76.8	83.2	87.5	90.0	88.9	86.9	85.1	81.8	77.7							
	1000	74.5	81.5	88.8	93.6	95.6	96.3	94.3	91.8	88.4	83.3							
	1250	77.0	84.2	91.0	95.6	97.8	98.4	95.9	92.7	89.4	83.9							
	1600	75.7	83.0	89.4	93.0	95.3	94.2	92.2	89.0	85.5	81.9							
	2000	76.9	85.4	90.7	94.6	96.1	95.7	93.7	90.9	87.0	83.8							
	2500	76.3	85.7	91.5	94.9	96.0	95.2	93.2	91.0	87.1	84.3							
	3150	73.1	85.5	91.5	94.5	96.7	96.8	95.5	92.8	88.9	86.1							
	4000	72.9	85.1	91.1	93.9	95.9	95.6	95.8	92.5	88.1	85.4							
	5000	70.6	83.9	89.2	93.1	94.1	93.9	94.4	90.6	86.6	84.4							
	6300	66.7	81.7	86.0	92.2	93.0	92.8	93.5	90.2	86.8	85.0							
	8000	63.5	78.4	85.5	89.7	91.7	91.3	91.3	89.0	85.4	83.4							
	10000	56.4	75.2	83.1	87.8	89.1	89.9	89.6	87.4	83.4	81.5							
OVERALL CALCULATED		91.1	97.9	102.4	105.5	106.9	106.8	105.7	103.3	100.3	97.7							
PND8		99.7	109.4	115.1	118.4	120.1	119.9	118.9	116.2	112.7	109.9							

Run 46/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 MR. 15.0

		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
	80																	
RADIAL	17. FT.																	
	(5. M)	100	99.5	96.8	89.8	87.3	88.8	90.5	91.5	92.3	92.3	91.3					128.1	
VEHICLE	UTNSIM	125	99.8	99.0	96.3	96.3	95.5	96.3	95.8	94.8	94.5	94.5					129.7	
CONFIG	HDWALL	160	99.5	99.5	99.8	99.5	97.8	97.3	97.0	96.0	94.8	94.0					131.2	
LOC	SCHENECTADY	200	104.9	104.7	104.5	105.0	105.2	104.0	101.5	99.2	97.2	96.0					136.4	
DATE	7/23/75	250	106.0	106.5	106.0	104.7	104.5	105.0	104.0	102.7	101.7	98.7					137.7	
RJH	46/8	315	104.3	106.5	106.5	106.7	105.7	104.5	104.7	103.7	102.2	100.7					136.4	
TAPE		400	100.8	102.8	104.0	105.0	104.0	102.8	101.0	100.3	98.7	96.7					135.7	
BAR	29.8 HG	500	97.0	98.5	99.8	99.8	99.0	98.3	97.8	96.3	95.0	93.0					131.4	
	(00468. N/M2)	630	96.8	99.8	100.5	101.3	100.5	99.6	98.5	96.5	95.5	93.5					132.4	
TAMB	89. DEG F	800	95.0	97.5	100.3	100.5	100.0	99.3	98.5	96.8	96.0	93.5					132.0	
	(305. DEG K)	1000	92.0	95.3	97.8	98.5	97.7	96.8	96.0	94.5	93.2	90.0					129.6	
TaET	74. DEG F	1250	90.8	94.1	98.3	99.5	99.0	97.3	95.8	94.8	92.0	89.3					130.0	
	(296. DEG K)	1600	89.3	93.1	96.5	98.8	98.7	97.1	95.1	93.9	91.5	88.6					129.3	
HACT	16.45 GH/M3	2000	89.3	93.8	97.0	100.5	100.2	99.1	96.6	94.7	92.5	89.6					130.7	
	(.01645 KG/M3)	2500	91.8	95.1	98.5	102.0	101.9	101.1	98.6	96.7	94.0	90.3					132.5	
NFA	11756. RPM	3150	96.2	100.3	103.8	106.7	107.7	108.3	106.9	104.5	101.9	96.1					139.0	
	(1231. RAD/SEC)	4000	99.1	103.3	106.7	108.3	109.6	110.3	108.1	105.4	102.3	97.2					140.6	
NFK	11430. RPM	5000	97.8	102.2	104.9	107.0	107.7	106.0	103.3	99.6	97.5	94.2					137.7	
	(1197. RAD/SEC)	6300	100.9	105.1	107.1	109.3	109.2	107.7	105.6	103.4	99.9	97.0					139.9	
NFE	11517. RPM	8000	100.9	105.8	108.1	109.9	108.9	107.7	105.7	103.6	99.9	97.3					140.3	
	(1206. RAD/SEC)	10000	98.3	105.7	108.7	110.1	110.6	109.5	107.7	105.3	101.3	99.3					141.6	
NO. OF BLADES	18	12500	99.2	106.5	109.3	109.8	110.1	108.8	106.0	105.3	101.3	99.4					141.7	
FAN TIP SPEED	16000	20000	97.5	105.5	107.0	108.3	108.1	106.8	106.5	103.3	99.8	98.1					140.2	
	1026. FT/SEC	25000	95.9	103.9	107.0	108.0	107.6	106.6	106.5	103.2	100.0	99.0					140.4	
		31500	95.1	103.5	106.0	106.9	106.6	105.5	105.4	102.8	99.5	98.6					140.1	
		40000	92.3	102.5	105.2	105.5	105.6	105.0	104.2	101.4	98.5	96.7					139.9	
		50000	85.9	99.4	102.0	102.5	103.1	101.3	101.8	98.1	95.8	93.8					138.3	
		63000	79.1	95.5	97.4	97.7	99.0	97.3	98.6	92.8	92.6	89.0					136.1	
		80000	76.0	88.1	89.8	90.3	92.4	90.2	90.6	84.9	84.8	81.1					131.3	
			80.3	82.9	82.9	83.3	84.5	83.2	82.9	79.8	82.6	80.1					129.0	
OVERALL MEASURED																		
OVERALL CALCULATED		113.4	117.1	118.9	120.1	120.1	119.3	118.1	115.7	113.0	110.6						152.1	
PNDB		123.4	126.9	129.4	131.3	131.5	131.4	129.5	127.2	124.6	120.8							

Run 46/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)													
ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)	(2.43)	(2.60)
SIDELINE 500. FT. (152.40 M)	50 69.7	74.0	76.9	78.4	77.8	78.1	78.3	77.4	76.0	74.9	73.7	72.6	71.5
NFA J311. RPM (347. RAD/SEC)	63 73.7	78.9	81.3	83.6	85.1	84.7	82.6	80.5	78.4	76.7	75.3	74.0	72.8
NFK J220. RPM (337. RAD/SEC)	80 75.1	80.2	82.5	83.1	84.1	85.4	84.9	83.8	82.6	79.2	77.9	76.7	75.6
NFD J244. RPM (340. RAD/SEC)	100 72.6	79.8	82.7	84.9	85.1	84.7	85.5	84.6	82.9	81.0	79.3	77.6	76.8
AIRFLOW RATIO WF/KH 12.50	125 68.8	75.7	79.9	82.9	83.2	82.8	81.5	80.9	79.3	76.8	75.9	74.4	72.9
VEHICLE UTMSH CONFIG HDWALL	160 64.5	71.1	75.4	77.4	77.9	78.1	78.1	76.7	75.3	72.8	71.4	70.2	69.1
LOC SCHENECTADY	200 63.7	71.9	75.8	78.6	79.2	79.2	78.6	76.8	75.6	73.1	71.9	70.7	69.2
DATE 7/23/75	250 61.4	69.3	75.2	77.6	78.5	78.7	78.4	76.8	75.9	72.9	71.4	70.4	69.1
RUN 46/8	315 57.8	66.6	72.4	75.3	75.9	76.0	75.7	74.4	72.9	69.1	67.2	66.2	65.2
TAPE	400 55.9	64.9	72.5	76.0	76.9	76.2	75.2	74.4	71.4	68.2	67.2	66.2	65.2
FAN TIP SPEED 1026. FT/SEC	500 53.7	63.4	70.4	74.9	76.4	75.7	74.3	73.2	70.7	67.2	66.2	65.2	64.2
OVERALL CALCULATED	630 53.0	63.6	70.5	76.3	77.6	77.5	75.5	73.8	71.4	67.9	66.9	65.9	64.9
PND8	800 54.5	64.3	71.5	77.4	78.9	79.1	77.2	75.5	72.6	68.4	67.4	66.4	65.4
	1000 58.2	68.9	76.2	81.7	84.3	84.1	82.2	80.0	76.6	72.8	71.8	70.8	69.8
	1250 60.1	71.1	78.6	83.4	85.8	87.6	86.1	83.6	80.3	74.6	73.6	72.6	71.6
	1600 57.5	69.2	76.1	81.0	83.5	82.9	80.8	77.3	75.1	71.1	70.1	69.1	68.1
	2000 59.2	71.2	77.6	82.7	84.4	84.1	82.7	80.8	77.0	73.4	72.4	71.4	70.4
	2500 58.0	71.0	78.1	82.8	83.7	83.8	82.4	80.5	76.6	73.3	72.3	71.3	70.3
	3150 53.3	69.6	77.6	82.1	84.7	84.9	83.8	81.7	77.4	74.7	73.7	72.7	71.7
	4000 51.1	68.3	76.6	80.6	83.1	83.2	83.2	80.7	76.5	73.7	72.7	71.7	70.7
	5000 47.9	66.3	73.6	78.5	80.6	80.9	81.4	78.3	74.6	72.2	71.2	70.2	69.2
	6300 41.1	61.3	71.1	76.2	78.4	79.0	79.8	76.9	73.3	71.4	70.4	69.4	68.4
	8000 32.3	55.7	66.1	71.9	74.6	75.4	76.3	74.1	70.4	68.5	67.5	66.5	65.5
	10000 18.4	47.4	59.9	66.0	69.8	71.4	71.9	69.5	66.2	63.2	62.2	61.2	60.2
OVERALL CALCULATED	80.1	86.7	91.0	94.3	95.8	96.1	95.3	93.5	91.0	88.0	87.0	86.0	85.0
PND8	82.5	94.6	101.7	106.0	108.1	108.3	107.5	105.4	101.9	98.8	97.8	96.8	95.8

	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
SIDELINE 200. FT. (60.96 M)	50 79.5	83.9	85.5	86.8	86.1	86.3	86.5	85.6	84.3	83.1
	63 83.7	88.1	90.1	92.2	93.5	93.0	90.9	88.8	86.7	85.0
	80 85.5	89.7	91.5	91.8	92.7	93.9	93.3	92.2	91.1	89.7
	100 83.3	89.5	91.9	93.8	93.9	93.4	94.0	93.2	91.5	89.6
	125 79.8	85.6	89.3	91.9	92.0	91.6	90.2	89.6	88.0	85.5
	160 75.8	81.2	84.9	86.6	87.0	87.0	86.9	85.6	84.1	81.7
	200 75.3	82.3	85.6	88.0	88.4	88.2	87.6	85.7	84.6	82.2
	250 73.4	79.9	85.2	87.1	87.8	87.9	87.5	85.9	85.0	82.1
	315 70.1	77.5	82.5	85.0	85.4	85.3	84.9	83.6	82.2	78.5
	400 68.6	76.1	82.9	85.9	86.6	85.7	84.7	83.8	80.8	77.7
	500 66.8	74.9	81.0	85.0	86.2	85.4	83.9	82.8	80.2	76.8
	630 66.5	75.5	81.4	86.6	87.6	87.3	85.3	83.5	81.1	77.8
	800 68.6	76.5	82.7	88.0	89.2	89.2	87.2	85.4	82.5	78.4
	1000 72.7	81.5	87.8	92.6	94.8	96.3	95.3	93.1	90.4	84.0
	1250 75.2	84.2	90.5	94.6	96.6	98.1	96.4	93.9	90.7	85.1
	1600 73.4	82.8	88.4	92.5	94.6	93.7	91.5	88.0	85.7	81.9
	2000 75.9	85.4	90.4	94.6	95.9	95.2	93.7	91.7	88.0	84.5
	2500 75.5	85.7	91.3	95.1	95.5	95.2	93.7	91.7	87.9	84.8
	3150 72.1	85.2	91.5	95.0	97.0	96.8	95.5	93.3	89.1	86.6
	4000 71.9	85.3	91.6	94.4	96.2	95.8	95.5	93.0	88.8	86.4
	5000 69.8	84.1	89.2	92.8	94.1	93.9	94.2	91.1	87.4	85.2
	6300 66.4	81.4	86.5	92.0	93.2	93.3	93.7	90.7	87.3	85.7
	8000 62.8	79.4	86.2	90.0	91.5	91.6	92.1	89.8	86.2	84.7
	10000 56.1	75.9	83.8	87.3	89.6	90.2	90.1	87.6	84.4	82.0
OVERALL CALCULATED	91.2	97.9	102.3	105.4	106.7	106.8	106.0	103.9	101.1	98.1
PND8	99.1	109.3	115.1	118.5	120.0	119.9	119.0	116.8	113.3	110.5

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Run 46/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 8 DAY 4 HR. 15.1																	
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																			
ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.		
												110.	110.	110.	110.	110.	110.		
	50																		
	63																		
RADIAL 17. FT.	80																		
(5. M)	100	98.0	95.3	89.5	86.5	88.8	90.0	91.3	92.0	92.0	90.5							125.4	
VEHICLE UTHSIM	125	98.8	97.3	95.5	95.5	94.8	95.3	95.3	94.5	94.0	94.3							129.0	
CONFIG HDHALL	160	99.0	100.8	101.8	102.0	100.0	97.0	97.0	96.3	95.5	94.8							132.4	
LOC SCHENECTADY	200	102.0	102.2	102.5	102.5	103.0	101.2	98.7	97.0	95.2	94.2							134.0	
DATE 7/23/75	250	104.7	104.5	103.7	103.0	103.2	102.7	102.5	100.7	99.7	97.5							135.9	
RUN 46/9	315	102.2	105.0	105.0	104.5	103.5	103.3	103.0	102.5	101.0	100.2							136.8	
TAPE	400	98.8	100.3	102.5	102.7	102.0	100.5	98.8	98.5	97.2	94.7							133.7	
BAR 29.8 HG	500	95.0	96.8	97.8	97.8	96.5	95.8	94.8	94.0	93.0	90.8							129.1	
(00468, N/M2)	630	95.3	97.3	98.0	98.5	98.2	97.1	96.0	94.3	93.3	91.5							130.0	
TAMB 88. DEG F	800	93.3	95.3	97.3	98.0	97.7	96.6	95.8	94.5	93.0	90.5							129.4	
(304. DEG K)	1000	89.8	92.8	95.2	96.2	95.2	94.6	93.0	91.8	90.0	88.0							127.0	
TNET 74. DEG F	1250	89.0	92.6	95.8	97.3	96.2	94.8	93.1	91.8	89.5	87.0							127.5	
(296. DEG K)	1600	87.3	91.6	95.0	97.5	97.2	95.1	92.9	90.9	89.0	85.1							127.5	
HACT 16.75 GM/M3	2000	87.3	91.8	95.5	98.5	98.2	96.9	94.4	92.9	89.7	87.1							128.7	
(.01675 KG/M3)	2500	89.3	94.3	98.5	101.2	101.2	99.6	97.6	94.7	92.7	89.3							131.5	
NFA 10637. RPM	3150	96.0	102.1	106.0	108.7	108.7	108.1	106.4	104.7	101.4	96.8							139.6	
(1114. RAD/SEC)	4000	94.9	100.0	103.7	105.8	106.6	104.8	101.8	98.9	95.6	92.0							136.4	
NFK 10352. RPM	5000	95.1	99.7	103.1	105.7	105.7	104.0	101.8	99.1	95.8	93.2							136.0	
(1084. RAD/SEC)	6300	101.6	105.6	109.3	111.3	110.2	108.4	105.6	102.2	98.4	96.7							140.9	
NFD 11517. RPM	8000	95.7	102.3	105.9	106.9	106.4	105.2	103.5	100.9	97.1	94.8							137.6	
(1206. RAD/SEC)	10000	96.3	104.5	107.9	109.3	109.1	108.0	106.2	103.1	98.6	96.3							140.2	
NO. OF BLADES 18	12500	96.2	104.2	107.0	108.6	108.4	106.8	106.2	102.3	98.3	96.6							139.7	
FAN TIP SPEED	16000	95.0	103.4	105.4	107.0	106.3	105.1	104.0	100.3	96.5	94.9							136.3	
929. FT/SEC	20000	93.4	101.8	105.0	106.0	105.6	104.3	103.9	100.2	97.0	95.5							138.1	
	25000	93.0	100.8	103.4	104.9	104.5	103.2	102.6	99.3	95.4	94.8							137.5	
	31500	89.5	99.9	102.9	103.4	103.1	102.2	101.1	98.6	94.9	93.7							137.3	
	40000	82.6	96.1	99.6	100.1	100.0	98.5	98.5	94.3	92.7	89.9							135.4	
	50000	76.5	92.3	94.8	94.9	96.4	94.5	94.7	89.5	88.5	85.4							133.0	
	63000	75.6	85.4	86.9	87.3	89.5	87.0	87.4	81.2	82.1	78.4							128.3	
	80000	80.1	82.4	81.4	82.1	82.5	82.0	82.4	79.6	82.4	79.8							128.1	
OVERALL MEASURED																			
OVERALL CALCULATED		111.7	115.3	117.7	119.1	118.7	117.4	116.0	113.4	110.7	108.7							150.4	
PNEB		122.3	126.1	129.1	130.8	130.4	129.4	127.6	125.7	122.9	119.6								

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
50	69.2	75.2	78.9	80.9	80.1	77.9	78.3	77.7	76.8	75.6								
63	71.7	76.4	79.3	81.1	82.9	81.9	79.9	78.2	76.4	74.9								
SIDELINE 500. FT. (152.40 M)	80	73.8	78.2	80.3	81.4	82.9	83.2	83.4	81.8	80.6	77.9							
NFA 2996. RPM (314. RAD/SEC)	100	70.9	78.3	81.2	82.6	82.9	83.5	83.7	83.4	81.7	80.5							
NFK 2916. RPM (305. RAD/SEC)	125	66.8	73.2	78.4	80.6	81.2	80.6	79.3	79.2	77.8	74.8							
NFD 3244. RPM (340. RAD/SEC)	160	62.5	69.3	73.4	75.4	75.4	75.6	75.1	74.5	73.3	70.6							
AIRFLOW RATIO WF/WB 12.60	200	62.2	69.4	73.3	75.9	72.0	76.7	76.1	74.5	73.4	71.1							
VEHICLE CONFIG UTHSIM H2HALL	250	59.7	67.0	72.2	75.1	76.2	75.9	75.7	74.6	72.9	69.9							
LOC SCHENECTADY	315	55.5	64.1	69.9	73.0	73.4	73.7	72.7	71.6	69.7	67.1							
DATE 7/23/75	400	54.1	63.4	70.0	73.7	74.2	73.7	72.5	71.4	68.9	65.9							
RUN 45/9	500	51.7	61.9	68.9	73.6	74.9	73.7	72.0	70.2	68.2	64.7							
TAPE	630	51.0	61.6	69.0	74.5	75.6	75.2	73.3	72.0	68.7	65.4							
FAN TIP SPEED 929. FT/SEC	800	52.1	63.5	71.5	76.6	78.2	77.6	76.2	73.5	71.3	67.4							
OVERALL CALCULATED	1000	57.9	70.6	78.5	83.7	85.3	85.8	84.7	83.2	79.7	74.5							
PND8	1250	55.9	67.9	75.6	80.4	82.8	82.1	79.8	77.1	73.6	69.4							
	1600	54.8	66.7	74.4	79.7	81.5	80.9	79.3	76.8	73.3	70.1							
	2000	60.0	71.7	79.9	84.7	85.4	84.8	82.7	79.5	75.5	73.1							
	2500	52.7	67.5	75.8	79.8	81.2	81.3	80.2	77.8	73.8	70.8							
	3150	51.3	68.3	76.8	81.4	83.2	83.4	82.3	79.4	74.7	71.6							
	4000	48.1	66.0	74.4	79.4	81.3	81.2	81.4	77.7	73.4	71.0							
	5000	45.3	64.3	72.1	77.2	78.9	79.1	78.9	75.3	71.3	68.9							
	6300	38.6	59.3	69.1	74.1	76.4	76.7	77.3	73.8	70.3	67.9							
	8000	30.2	52.9	63.6	69.8	72.6	73.1	73.5	70.6	66.4	64.7							
	10000	15.6	44.8	57.6	64.0	67.3	66.6	68.8	66.7	62.6	60.1							
	OVERALL CALCULATED	78.6	85.1	89.8	93.2	94.4	94.2	93.3	91.5	89.0	86.5							
	PND8	81.0	93.0	100.5	105.0	106.7	106.5	105.6	103.0	99.3	96.3							

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	50	79.0	84.2	87.5	89.3	88.4	86.1	86.5	85.9	85.0	83.8						
	63	81.7	85.6	88.1	89.7	91.3	90.3	88.2	86.6	84.7	83.3						
SIDELINE 200. FT. (60.96 M)	80	84.2	87.7	89.3	90.1	91.4	91.7	91.8	90.2	89.1	86.4						
	100	61.5	88.0	90.4	91.5	91.6	92.1	92.3	91.9	90.3	89.1						
	125	77.8	83.1	87.8	89.7	90.0	89.3	88.0	87.9	86.5	83.5						
	160	73.8	79.5	82.9	84.6	84.5	84.5	83.9	83.3	82.1	79.5						
	200	73.8	79.8	83.1	85.2	86.1	85.7	85.1	83.5	82.3	80.2						
	250	71.6	77.7	82.2	84.6	85.5	85.1	84.8	83.7	82.0	79.1						
	315	67.8	75.0	80.0	82.8	82.9	83.0	81.9	80.9	78.9	76.5						
	400	66.8	74.6	80.4	83.7	83.8	83.2	81.9	80.8	78.3	75.4						
	500	64.8	73.4	79.5	83.8	84.7	83.4	81.6	79.8	77.7	74.3						
	630	64.5	73.5	79.9	84.9	85.6	85.1	83.0	81.7	78.4	75.3						
	800	66.1	75.8	82.7	87.2	88.5	87.7	86.2	83.4	81.3	77.4						
	1000	72.5	83.3	90.0	94.6	95.8	96.1	94.8	93.3	89.9	84.8						
	1250	71.0	80.9	87.5	91.6	93.6	92.6	90.2	87.4	83.9	79.9						
	1600	70.6	80.3	86.7	91.3	92.6	91.7	90.0	87.5	84.9	80.9						
	2000	76.7	85.9	92.7	96.6	96.9	96.0	93.7	90.4	86.5	84.3						
	2500	70.3	82.2	89.0	92.1	93.0	92.7	91.4	89.0	85.1	82.3						
	3150	70.1	84.0	90.7	94.3	95.5	95.3	94.0	91.0	86.4	83.5						
	4000	68.9	83.1	89.3	93.1	94.4	93.8	93.8	90.0	85.8	83.6						
	5000	67.3	82.1	87.7	91.5	92.4	92.1	91.6	88.0	84.1	81.9						
	6300	63.9	79.4	86.5	89.9	91.2	91.0	91.2	87.7	84.3	82.2						
	8000	60.7	76.6	83.7	87.9	88.4	89.3	89.3	86.2	82.2	80.9						
	10000	53.3	73.4	81.5	85.3	87.0	87.4	87.1	84.8	80.9	78.9						
OVERALL CALCULATED	89.6	96.2	101.1	104.4	105.3	104.9	103.9	103.9	101.7	98.9	96.4						
PND8	97.3	107.7	113.9	117.4	118.5	118.1	117.1	114.4	110.6	106.0							

Run 46/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH & DAY 4 HR. 15.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.10) (2.29) (2.47) (2.65) (2.83) (3.01) (3.19) (3.37)																		
RADIAL 17. FT.	50																	
(5. M)	63																	
VEHICLE UTMSIM	125	95.3	92.3	84.5	85.5	87.5	88.3	89.5	90.0	89.8	88.8							123.1
CONFIG HDWALL	160	96.5	99.8	100.3	100.5	98.8	97.3	97.0	96.0	95.8	94.8							127.8
LCC SCHENECTADY	200	98.2	95.5	98.5	98.7	99.2	98.2	96.2	93.5	91.7	90.7							131.5
DATE 7/23/75	250	102.2	102.0	101.0	99.7	99.7	100.0	100.2	99.2	97.7	95.7							130.5
RUN 46/10	315	101.0	103.0	102.5	101.5	100.2	100.5	100.5	100.0	99.0	97.7							133.4
TAPE	400	95.5	97.3	98.7	99.2	98.5	97.3	95.5	94.5	93.5	92.0							134.2
BAR 29.8 HG	500	91.8	94.0	94.5	93.8	92.7	92.3	91.3	90.8	89.7	87.5							130.2
(00468. N/M2)	630	91.8	93.8	94.8	95.3	95.0	94.1	93.0	90.5	89.8	87.8							125.7
TAMB 86. DEG F	800	89.0	91.8	94.3	94.8	93.7	93.8	92.3	90.5	89.0	87.0							126.7
(303. DEG K)	1000	86.0	89.8	92.2	93.2	92.2	92.8	90.3	88.5	86.5	84.2							125.9
TNET 74. DEG F	1250	85.3	89.8	94.3	94.8	93.5	91.8	89.8	88.3	86.3	83.3							124.2
(296. DEG K)	1600	83.8	88.8	93.3	95.3	95.0	93.6	90.4	88.8	86.0	83.3							124.8
HACT17.33 GH/M3	2000	84.0	89.8	94.3	97.0	96.5	94.4	91.9	90.2	87.2	83.8							125.3
(.01733 KG/M3)	2500	90.8	96.8	101.0	103.7	103.4	103.4	99.9	99.4	95.0	89.3							126.7
NFA 9447. RPM	3150	93.0	99.1	103.0	106.2	106.4	105.8	102.6	101.2	97.4	90.8							134.3
(989. RAD/SEC)	4000	91.4	98.0	101.7	104.1	103.8	101.5	98.6	94.9	91.8	88.7							136.8
NFK 9210. RPM	5000	91.8	99.2	103.4	105.0	105.2	103.2	100.3	96.9	94.0	90.7							133.8
(964. RAD/SEC)	6300	94.1	101.4	105.3	106.8	105.7	103.9	101.4	97.7	93.9	91.7							135.2
NFD 11517. RPM	8000	92.1	100.7	104.1	105.9	105.2	104.7	102.2	99.1	94.4	92.3							136.4
(1206. RAD/SEC)	10000	93.0	102.4	105.7	106.6	106.8	104.7	102.9	99.6	95.1	92.5							136.4
NO. OF BLADES 18	12500	92.9	102.2	104.8	105.8	106.1	104.5	103.5	99.5	94.3	92.1							137.4
FAN TIP SPEED	16000	91.2	100.2	102.9	104.0	103.0	101.8	101.0	96.7	92.0	90.3							137.2
825. FT/SEC	20000	89.3	99.0	101.7	102.9	102.3	101.0	99.6	95.9	92.0	90.5							135.1
	25000	88.7	97.2	100.6	101.3	101.5	99.1	98.3	95.0	90.6	90.0							134.6
	31500	85.4	96.3	99.0	99.8	99.0	98.1	96.8	93.0	89.6	87.8							133.2
	40000	78.9	92.7	95.5	95.5	95.6	94.3	93.8	89.4	87.1	84.5							133.2
	50000	73.8	88.6	90.1	90.1	91.4	89.8	89.8	84.5	83.1	80.2							130.9
	63000	74.5	81.6	82.4	82.8	84.4	83.2	82.6	77.4	78.5	75.3							128.1
	80000	79.7	82.0	81.0	81.7	82.1	81.5	82.0	79.1	81.9	79.4							123.9
OVERALL MEASURED																		127.6
OVERALL CALCULATED		108.7	112.8	115.2	116.4	116.1	114.9	113.1	110.6	107.7	105.5							
PDR		118.0	123.2	126.3	128.3	128.2	127.3	124.7	122.9	119.7	115.5							147.6

Run 46/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DAY HR. 15.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., WAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	66.7	74.2	77.4	79.4	78.8	78.1	78.3	77.4	77.0	75.6						
	63	67.9	72.6	75.3	77.4	79.1	76.9	77.4	74.7	72.9	71.4						
SIDELINE 500. FT. (152.40 M)	80	71.3	75.7	77.5	78.1	79.4	80.4	81.1	80.3	78.6	76.2						
NFA 2661. RPM (279. RAD/SEC)	100	69.6	76.3	78.7	79.6	79.5	80.7	81.2	80.9	79.7	78.0						
NFK 2594. RPM (272. RAD/SEC)	125	63.6	70.2	74.7	77.1	77.7	77.3	76.0	75.2	74.0	72.0						
NFD 3244. RPM (340. RAD/SEC)	160	59.3	66.6	70.1	71.4	71.7	72.1	71.6	71.2	70.0	67.3						
AIRFLOW RATIO NF/WM 12.60	200	58.7	65.9	70.1	72.6	73.7	73.7	73.1	70.8	69.9	67.4						
	250	55.4	63.5	69.2	71.8	72.2	73.2	72.2	70.6	68.9	66.4						
	315	51.8	61.1	66.9	70.0	70.4	72.0	69.9	68.4	66.2	63.4						
	400	50.4	60.6	66.5	71.2	71.4	70.7	69.2	67.9	65.7	62.2						
	500	48.2	59.1	67.1	71.4	72.6	72.2	69.5	68.0	65.2	61.9						
	630	54.5	66.6	74.5	79.5	80.8	81.7	78.8	78.5	73.9	67.7						
	800	55.8	68.3	76.0	81.6	83.4	83.9	81.3	80.0	76.1	68.9						
VEHICLE UTMSIM CONFIG HCWALL	1000	53.4	66.6	74.2	79.1	80.5	79.3	76.9	73.4	70.2	66.5						
	1250	52.8	67.1	75.3	79.6	81.5	80.6	78.3	75.1	72.0	68.1						
LOC SCHEMECTADY	1600	53.9	68.4	76.6	80.8	81.5	80.9	78.9	75.5	71.5	68.7						
DATE 7/23/75	2000	50.6	66.9	74.8	79.4	80.5	81.3	79.4	76.5	71.6	68.8						
RJM 40/10	2500	50.2	67.8	75.7	79.6	81.8	80.9	79.8	76.6	71.9	68.7						
TAPE	3150	48.1	66.3	73.9	78.1	80.4	80.1	79.8	76.0	70.6	67.6						
FAN TIP SPEED 825. FT/SEC	4000	43.5	62.3	70.6	75.1	76.3	76.5	76.5	72.5	67.5	65.1						
	5000	42.1	60.3	68.8	73.6	75.3	75.5	74.9	71.5	67.2	64.9						
	6300	34.5	55.2	65.3	70.1	72.9	72.2	72.2	69.2	64.6	63.1						
	8000	23.5	49.4	60.1	65.7	67.9	68.9	68.6	65.2	61.4	58.6						
	10000	6.4	38.9	51.5	57.4	61.1	62.7	62.9	58.9	56.1	52.4						
OVERALL CALCULATED		76.0	82.9	87.7	91.0	92.3	92.3	91.1	89.2	86.7	84.0						
PND		76.4	90.9	96.4	102.4	104.1	103.9	103.0	100.0	95.9	92.7						

	50	76.5	83.2	86.0	87.8	87.1	86.3	86.5	85.6	85.3	83.8						
	63	78.0	81.8	84.1	86.0	87.5	87.3	85.7	83.1	81.2	79.8						
SIDELINE 200. FT. (60.96 M)	80	81.7	85.2	86.5	86.8	87.9	88.9	89.6	88.7	87.1	84.7						
	100	80.3	86.0	87.9	88.5	89.4	89.4	89.8	89.4	88.3	86.5						
	125	74.6	80.1	84.0	86.2	86.5	86.1	84.7	83.9	82.7	80.8						
	160	70.6	76.7	79.7	80.6	80.7	81.0	80.4	80.1	78.9	76.2						
	200	70.3	76.3	79.8	82.0	82.9	82.7	82.1	79.7	76.8	76.4						
	250	67.4	74.2	79.2	81.4	81.5	82.4	81.3	79.7	76.0	75.6						
	315	64.1	72.0	77.0	79.8	79.9	81.3	79.2	77.6	75.4	72.7						
	400	63.1	71.8	78.9	81.2	81.1	80.2	78.7	77.3	75.1	71.7						
	500	61.3	70.7	77.8	81.5	82.5	81.9	79.1	77.5	74.7	71.6						
	630	68.0	78.5	85.4	89.9	90.8	91.6	88.5	88.3	83.6	77.5						
	800	69.8	80.5	87.2	92.2	93.7	93.9	91.2	89.9	86.0	78.9						
	1000	67.9	79.2	85.7	90.0	91.0	89.5	87.1	83.5	80.3	76.8						
	1250	67.9	80.2	87.2	90.7	92.3	91.1	88.6	85.4	82.4	78.6						
	1600	69.8	82.0	89.0	92.3	92.6	91.7	89.6	86.1	82.2	79.5						
	2000	67.3	81.1	87.6	91.4	91.9	92.4	90.4	87.4	82.5	79.9						
	2500	67.7	82.6	88.9	91.9	93.5	92.3	91.0	87.8	83.2	80.1						
	3150	67.0	82.0	87.8	91.0	92.6	92.0	91.5	87.7	82.3	79.6						
	4000	64.3	79.3	85.6	88.8	89.4	89.1	88.9	84.8	79.8	77.7						
	5000	62.1	78.1	84.4	87.9	88.8	88.5	87.7	84.2	80.0	78.0						
	6300	59.9	75.4	82.7	85.9	87.7	86.5	86.2	83.1	78.5	77.3						
	8000	54.8	73.1	80.2	83.8	84.8	85.0	84.4	80.8	77.2	74.6						
	10000	44.1	67.5	75.5	78.7	80.9	80.9	81.1	77.0	74.4	71.1						
OVERALL CALCULATED		86.9	94.1	99.0	103.1	103.1	102.8	101.4	99.1	96.2	93.5						
PND		92.7	105.6	111.5	114.6	115.9	115.4	114.4	111.3	107.1	104.3						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159 DEG. F. 70 PERCENT REL. HUM. DAY

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.																	
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)	160. (2.80)	170. (2.98)	180. (3.14)	
50	61.7	67.4	72.0	73.2	72.3	73.4	74.3	73.5	73.1	72.4									
SIDELINE 500. FT. (152.40 M)	80	65.6	69.6	70.1	71.2	73.1	75.2	75.9	75.6	74.2	71.2								
NFA 1998. RPM (209. RAD/SEC)	100	63.1	70.0	71.1	71.2	70.9	72.0	73.5	73.2	72.2	70.8								
NFK 1952. RPM (204. RAD/SEC)	125	55.4	62.6	66.8	68.9	68.7	68.1	66.6	67.0	66.6	63.8								
NFB 3244. RPM (340. RAD/SEC)	160	51.3	58.4	61.2	61.6	61.9	62.4	62.8	62.3	60.8	56.4								
AIRFLOW RATIO NF/NH 12.60	200	49.8	58.3	60.9	63.4	63.5	63.4	62.1	60.6	59.9	56.9								
	250	47.5	57.6	62.3	64.4	64.2	63.7	61.9	60.9	58.9	55.7								
	315	45.6	56.7	62.7	64.3	64.0	62.5	61.2	59.7	57.2	54.0								
	400	45.2	57.0	63.3	65.2	65.9	64.8	63.3	60.7	57.7	54.7								
	500	44.0	56.5	63.7	67.2	67.1	65.3	63.5	61.5	58.5	54.5								
	630	49.7	64.2	71.6	75.1	76.1	74.7	71.5	68.3	64.9	60.0								
	800	49.6	63.6	70.3	73.6	74.7	72.9	70.5	67.5	64.1	59.9								
VEHICLE UTMSIM 1000	1000	47.2	61.3	67.6	72.2	72.6	71.1	67.9	65.0	62.3	57.8								
CONFIG HDNALL 1250	1250	54.6	68.5	76.7	81.2	78.6	76.7	74.6	72.6	67.4	65.2								
LCC SCHENECTADY 1600	1600	49.3	64.3	72.4	75.7	74.2	72.6	70.1	67.4	63.8	60.4								
DATE 7/23/75 2000	2000	47.2	61.8	68.7	73.7	73.9	74.1	71.9	67.3	63.5	60.2								
RUN 46/11 2500	2500	45.5	60.8	68.4	72.1	72.7	71.8	69.2	65.3	60.9	58.6								
TAPE 3150	3150	42.3	60.4	68.1	71.2	72.7	71.9	69.3	65.4	60.7	57.9								
FAI TIP SPEED 4000	4000	38.6	57.4	65.2	68.6	70.3	69.7	67.9	63.9	58.5	55.8								
619. FT/SEC 5000	5000	35.1	54.4	61.6	66.0	67.3	66.6	65.3	60.6	55.8	52.9								
	6300	27.3	49.4	58.1	62.4	64.3	64.0	63.0	58.3	53.3	50.4								
	8000	18.7	41.5	52.1	57.3	59.5	59.1	58.2	54.3	48.4	46.5								
	10000	3.3	32.3	44.5	50.6	53.4	54.1	53.5	49.2	44.6	40.8								
OVERALL CALCULATED	69.9	77.3	82.6	85.9	85.7	85.1	83.8	82.1	80.1	78.0									
PND8	71.2	85.2	92.3	96.1	96.5	95.8	93.7	90.4	86.4	83.5									

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	50	71.5	76.4	80.6	81.6	80.6	81.6	82.5	81.7	81.3	80.7								
SIDELINE 200. FT. (60.96 M)	63	76.5	73.7	77.0	80.0	82.3	82.8	81.4	79.4	77.0	75.3								
	80	76.0	79.1	79.1	79.9	81.7	83.7	84.4	84.0	82.6	79.7								
	100	73.8	79.7	80.2	80.1	79.6	80.7	82.0	81.7	80.8	79.4								
	125	66.4	72.5	76.1	78.0	77.6	78.9	75.5	75.7	75.3	72.6								
	160	62.6	68.6	70.8	70.9	71.0	71.3	71.7	71.1	69.7	67.3								
	200	61.4	68.7	70.6	72.8	72.6	72.5	71.1	69.5	68.9	66.0								
	250	59.4	68.3	72.3	73.9	73.5	72.9	71.0	70.0	68.0	64.9								
	315	57.9	67.6	72.9	74.1	73.4	71.8	70.5	68.9	66.4	63.3								
	400	57.9	68.2	73.8	75.2	75.6	74.3	72.7	70.1	67.1	64.2								
	500	57.1	68.1	74.4	77.3	77.0	74.9	73.1	71.1	68.0	64.2								
	630	63.3	76.1	82.5	85.4	86.1	84.6	81.3	78.0	74.7	69.8								
	800	63.6	75.9	81.5	84.3	85.0	83.0	80.4	77.4	74.1	70.0								
	1000	61.8	73.9	79.1	83.1	83.1	81.4	78.1	75.1	72.4	68.1								
	1250	69.8	81.6	88.6	92.3	89.3	87.2	84.9	82.9	77.7	75.7								
	1600	65.2	77.9	84.8	87.3	85.3	83.4	80.7	78.0	74.5	71.2								
	2000	64.0	76.0	81.5	85.6	85.4	85.2	82.9	79.2	74.5	71.3								
	2500	63.0	75.6	81.6	84.4	84.5	83.2	80.4	76.5	72.1	70.1								
	3150	61.2	76.1	82.0	84.0	85.0	83.8	81.0	77.1	72.4	69.8								
	4000	59.4	74.4	80.2	82.4	83.4	82.3	80.3	76.3	70.9	68.4								
	5000	57.1	72.2	77.2	80.3	80.8	79.6	78.1	73.3	68.6	66.0								
	6300	52.6	69.5	75.5	78.2	79.2	78.2	76.9	72.2	67.3	64.7								
	8000	49.2	65.1	72.2	75.4	76.4	75.2	74.0	69.9	64.1	62.6								
	10000	41.0	60.9	68.5	72.0	73.2	72.8	71.7	67.2	62.8	59.6								
OVERALL CALCULATED	81.0	88.9	94.1	97.0	96.3	95.3	93.6	91.5	89.1	87.0									
PND8	87.3	100.0	105.7	108.1	108.5	107.4	105.1	101.7	97.8	95.0									