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AD 740516

FAN/COMPRESSOR NOISE RESEARCH

Volume IV - Compilation of Test Data (II)

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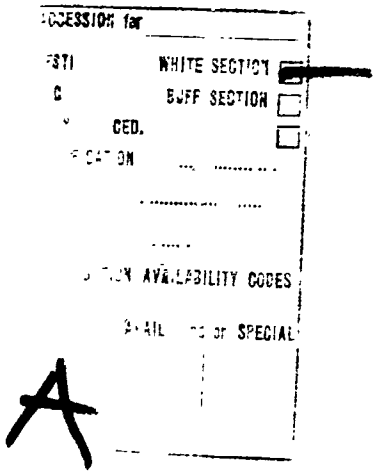

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16. Abstract

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

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

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

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

17. Key Words		18. Distribution Statement
Acoustics	Multipule pure-tone Noise	Availability is unlimited. Document may be released to the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151 for sale to the Public.
Blade-passing noise		
Broadband noise	Noise prediction	
Compressor noise	Noise reduction	
Fan noise	Discrete-tone noise	

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ABSTRACT

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VOLUME IV

TABLE OF CONTENTS

	PAGE
ABSTRACT	IV-iii
TABLE OF CONTENTS	IV-v
INTRODUCTION - APPFNDICES D-E	640
LEGEND - APPENDICES	641
APPENDIX D	D-1
APPENDIX E	E-1

INTRODUCTION - APPENDICES D-E

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

LEGEND - APPENDICES

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

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

Other nomenclature on each printout is explained as follows:

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

APPENDIX D

DATA FROM D/V III, IGV's 9° OPEN

(REF. VOLUME I SECTION V)

RADIAL DISTANCE 250

DATE: 2/25/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 32.0	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50	65.92	64.97	66.36	62.48	61.97	63.60	63.88	64.63	65.74	65.43	66.58	67.93	70.33			122.9
63	64.29	61.11	74.68	61.76	61.12	62.62	69.78	63.71	67.35	68.86	66.25	67.92	69.50			128.3
80	61.52	62.84	63.84	61.98	61.27	63.18	63.88	64.18	66.84	66.62	68.26	69.21	68.79			122.9
100	64.85	63.64	61.43	64.25	62.61	64.19	64.96	65.61	65.91	67.81	67.85	68.59	69.25			123.4
125	64.05	74.54	62.67	63.82	64.39	68.11	68.74	66.48	67.27	68.38	68.51	68.84	69.86			128.6
160	62.73	62.46	63.51	63.73	63.76	65.36	66.53	67.22	68.18	69.89	69.68	69.78	69.88			124.8
200	64.52	61.82	66.26	62.87	63.42	64.19	65.92	65.28	66.37	66.61	68.25	68.64	67.39			123.8
250	62.43	59.66	68.49	58.85	60.49	62.83	63.14	63.39	64.17	63.24	65.45	65.61	65.84			121.2
315	64.27	62.32	64.86	59.31	61.39	61.21	68.48	61.63	62.81	64.34	61.74	59.94	62.20			120.2
400	65.19	64.25	65.45	63.71	62.78	64.48	65.87	62.87	62.91	65.35	64.97	63.34	62.25			122.1
500	68.36	69.12	68.39	67.37	66.81	68.86	66.34	67.39	66.94	67.35	70.81	67.16	63.37			124.1
630	72.57	73.92	71.74	72.89	71.82	71.39	70.89	71.48	72.79	72.81	74.34	71.97	68.27			130.8
800	72.22	73.56	70.58	72.16	71.39	70.85	72.11	71.53	74.22	74.64	75.17	72.89	71.95			131.4
1000	74.64	76.70	77.75	75.87	73.84	72.81	71.68	71.45	73.19	74.41	73.59	73.26	78.88			133.1
1250	79.82	81.99	79.83	79.59	78.44	77.89	78.68	75.54	77.80	78.63	80.87	78.85	78.55			137.4
1600	76.28	78.68	79.19	77.84	74.53	76.28	74.18	74.89	77.46	78.91	78.86	76.19	72.87			136.4
2000	76.68	78.82	79.33	77.51	74.36	75.94	73.31	74.55	75.94	78.37	77.38	72.87	69.95			135.9
2500	75.78	78.64	77.67	74.81	77.86	73.99	76.38	77.86	77.44	74.89	75.25	72.81	78.53			135.8
3150	84.17	83.19	78.36	81.89	82.87	80.75	81.82	83.36	86.44	77.98	83.57	79.69	78.84			142.6
4000	79.73	80.35	74.89	79.44	74.97	77.99	77.79	77.57	81.18	79.48	81.22	75.98	74.37			139.4
5000	76.91	76.79	76.67	76.95	75.36	75.71	74.34	77.14	77.38	81.46	79.68	72.59	72.74			138.8
6300	79.98	79.89	79.46	78.28	77.52	76.65	78.55	81.36	80.26	81.88	78.36	74.82	73.19			141.1
8000	76.80	75.82	74.31	74.92	73.41	74.72	72.83	74.51	75.68	73.16	76.95	72.43	70.29			138.1
10000	75.48	74.84	73.25	73.11	73.46	73.75	74.35	75.61	74.52	76.85	73.14	72.78	69.91			140.2
MEASURED OASPL	88.29	91.22	89.69	89.58	88.32	88.94	88.12	89.96	91.47	88.61	91.11	87.49	85.44			
CALCULATED OASPL	89.39	90.07	88.66	85.39	87.48	87.97	87.32	88.96	90.46	89.83	90.01	86.56	84.71			
PNDB	104.5	104.4	101.7	102.6	102.5	102.2	102.2	104.1	105.9	103.2	104.7	101.2	99.44			
															OAPWL:	140.4

AMBIENT TEMP, 32.82
WET-BULB TEMP, 30.82
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAN RAV/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/12/78

Sy =13 RUN=124 SPEED=5000

D2

RADIAL DISTANCE 250

DATE: 6/25/79

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	7,2	12,6	24,2	42,0	48,2	58,7	69,-	72,2	82,6	92,2	100,0	110,0	122,0	132,2	144,7	152,7	160,0	170,0	(PWL)
50				,7593	-,191	1,227	-2,76	-3,19	-1,56	-1,28	-,535	,5771	,2695	1,340	2,763	5,169			
63				-3,17	-6,36	7,289	-8,71	-6,35	-4,85	1,831	-3,76	-,110	1,398	-1,22	,6941	2,832			
80				-3,41	-2,89	-1,89	-2,95	-3,66	-1,75	-1,05	-,758	1,155	1,694	3,328	4,282	3,862			
100				-1,28	-1,69	-3,89	-1,88	-2,73	-1,14	-,378	,2739	,9760	1,677	2,515	3,256	3,913			
125				-2,18	7,284	-,79	-3,63	-3,86	-2,34	-1,71	-1,84	-,182	,8934	1,861	1,387	2,407			
160				-3,84	-4,11	-3,86	-2,88	-2,81	-1,48	,0591	,6561	1,416	2,327	2,816	3,216	2,479			
200				-,901	-3,84	,8443	-3,37	-2,22	-1,29	,4796	-,239	1,120	1,172	2,884	3,284	1,954			
250				-,304	-3,08	-2,25	-4,68	-2,24	,8929	,4928	,6643	1,438	,5883	2,711	2,879	3,183			
315				2,689	,7357	2,474	-2,27	-,194	-,369	,8935	,8432	1,331	-1,25	,1532	-1,94	,6776			
400				1,769	,8507	2,852	,3185	-,609	1,854	-,828	-,589	-,493	-,854	1,172	-,001	-1,15			
500				1,949	1,813	1,809	,2603	-,499	,7948	-,967	,0789	-,269	,8481	8,785	-,145	-3,74			
630				,7283	2,082	-,101	,0263	-,321	-,443	-1,26	-,443	,9237	,7674	2,501	,1208	-3,97			
800				-,321	1,263	-1,83	-,177	-,942	-2,33	-,226	-,807	1,866	2,383	2,831	,5527	-,301			
1000				,8444	2,927	3,981	2,201	,8471	-1,75	-2,12	-2,36	-,605	,6154	-,201	-,533	-2,91			
1250				1,092	4,866	1,618	1,868	-1,43	-,829	-2,24	-2,39	-,338	1,782	2,143	-2,58	-7,37			
1600				-,531	1,928	2,429	,7796	-2,23	-,478	-2,63	-1,87	,7889	3,138	2,189	-,96	-4,49			
2000				,6128	2,887	5,311	1,489	-1,86	-,899	-2,71	-1,47	-,475	2,381	1,368	-3,14	-6,87			
2500				,1449	1,886	1,437	-,823	1,429	-1,64	,9588	2,231	1,889	,744	-,384	-2,82	-5,18			
3150				2,171	1,186	-3,64	-,918	,2678	-1,25	-,981	1,852	4,438	-4,82	1,571	-2,31	-3,98			
4000				1,439	2,262	-3,69	1,186	-3,31	-,292	-,499	-,718	2,895	1,195	2,989	-2,38	-3,92			
5000				-,756	,0279	-,291	,1896	-1,48	-1,86	-2,43	,3734	,6162	4,69*	3,918	-4,17	-6,82			
6300				2,312	,4717	,8468	-2,41	-1,89	-1,98	-,859	2,747	1,658	3,179	-,258	-3,79	-5,42			
8000				1,889	1,721	,1949	,8216	-,707	,6984	-2,09	,4081	1,488	-,915	2,833	-1,48	-3,83			
10000				1,458	,8156	-,772	-,913	-,566	1,725	,3266	1,596	,4948	2,812	-,879	-1,23	-4,51			

AMBIENT TEMP. 32,00
WET-BULB TEMP. 32,00
BAR. PRESSURE 28,76
RHO, DENSITY 3,912

FAN TA./CO/PRESSOR = PHASE 28 + 5C IGVS 9 DEG OPEN T/D 2/17/78

BLADES BLG=126 SPEED=5000

RADIAL DISTANCE 250

DATE: 2/27/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	[illegible]	1°,?	2°,?	3°,	4°,?	5°,?	6°,?	7°,?	8°,?	9°,?	10°,?	11°,?	12°,?	13°,?	14°,?	15°,?	16°,?	17°,?	(PWL)
[illegible]																			
5?				66,09	65,85	67,27	64,13	64,1?	64,71	65,60	67,86	69,29	68,67	69,83	72,92	73,51			128,6
63				65,61	62,92	74,79	63,69	63,18	64,34	69,96	65,56	68,35	70,00	69,38	70,97	73,15			186,7
8?				62,73	63,25	63,62	63,60	63,51	65,74	65,97	66,91	68,41	68,97	70,37	70,97	72,21			189,1
1??				64,04	65,46	65,09	68,16	65,58	67,29	67,46	69,13	69,85	70,82	72,79	72,73	74,22			127,8
125				65,81	74,61	54,26	65,87	65,75	67,22	67,46	68,43	69,68	70,57	70,92	71,67	73,23			187,4
162				64,04	63,69	64,27	64,28	65,39	66,95	67,61	68,43	70,28	70,41	71,35	71,34	71,48			186,4
20?				66,09	63,98	67,85	63,77	65,92	67,08	67,97	67,85	69,27	69,93	70,86	71,78	70,82			188,4
25?				62,85	59,94	62,47	58,97	61,91	62,75	63,69	64,38	65,66	64,54	66,72	67,16	67,24			182,2
3?5				65,69	63,67	65,35	60,37	62,55	60,98	63,69	61,82	64,29	62,87	63,62	62,46	64,40			181,5
42?				66,54	65,78	67,63	64,97	63,14	64,59	63,91	63,63	64,18	65,66	66,87	65,93	64,94			183,6
5??				70,21	71,88	70,85	69,39	68,43	69,68	68,89	68,88	70,84	70,33	72,92	70,17	66,81			180,3
537				73,88	75,23	73,43	74,82	73,24	73,52	72,18	72,29	74,48	74,96	76,22	73,89	70,25			182,4
6??				72,84	74,92	72,00	73,62	73,57	71,74	74,02	73,81	75,66	76,21	76,89	74,57	73,61			183,8
1?62				76,63	77,66	76,78	75,99	74,06	71,97	72,52	72,83	73,93	75,26	74,83	73,99	72,43			183,9
1252				80,54	83,48	80,67	81,63	78,75	78,76	78,38	77,17	80,49	81,69	82,37	78,62	72,12			180,3
1882				77,76	79,74	80,48	78,83	76,33	78,18	76,59	76,73	79,72	82,32	81,27	77,46	74,17			180,3
2?87				78,27	81,26	81,69	80,45	77,75	78,86	76,25	76,56	78,12	80,59	79,66	74,83	71,92			180,4
252?				77,85	78,39	80,81	77,26	80,27	76,87	79,19	79,69	79,29	76,59	76,99	73,04	72,24			180,6
315?				83,85	83,11	79,37	83,82	82,74	82,56	84,88	85,34	89,95	88,94	85,83	80,24	80,70			144,7
4?8?				82,38	82,83	77,25	82,88	79,13	81,85	82,87	81,94	87,55	82,15	85,39	79,87	79,16			143,7
5???				77,04	78,58	78,57	78,53	77,41	77,44	76,98	79,44	81,54	83,48	82,46	73,85	72,54			148,5
63??				80,27	79,68	80,25	78,56	77,77	77,87	79,42	80,46	83,82	80,69	79,91	75,49	74,52			141,9
8282				79,83	80,39	76,61	78,86	76,49	76,88	75,68	76,53	80,18	76,55	79,35	74,29	73,32			141,3
1?3??				76,72	76,11	73,64	74,17	74,96	73,71	74,78	74,23	75,81	76,34	74,87	72,25	70,87			148,5
MEASURED DASPL				91,59	92,56	91,18	91,66	90,29	90,32	91,12	91,44	95,89	92,66	93,66	88,99	88,35			
CALCULATED DASPL				90,58	91,50	90,14	90,56	89,29	89,40	90,24	90,48	94,16	91,43	92,57	88,00	87,45			
P DB				105,1	105,3	122,9	104,7	103,9	103,9	105,3	105,6	109,3	105,1	107,1	102,3	102,0			

OAPWL: 151,6

AMBIENT TEMP, 32,00
[illegible] TEMP, 3?,00
BAR. PRESSURE 28,76
REL. HUMIDITY 3,912

FAN FACTORY PRESS 2 - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/7?

RUN 213 PLOT 27 SPEED=5500

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
[illegible]			,2783	-,955	-,738	-3,65	-3,55	-3,09	-2,22	,8538	1,478	,8569	2,025	3,115	5,707			
[illegible]			-3,41	-5,92	5,977	-5,13	-5,65	-4,49	1,142	-3,27	-,474	1,179	,5545	2,147	4,331			
[illegible]			-4,41	-3,89	-3,52	-3,54	-3,03	-1,39	-1,17	-,631	1,272	1,829	3,431	3,828	5,065			
[illegible]			-4,53	-3,71	-4,28	-1,01	-3,09	-1,87	-1,71	-,042	,6822	1,652	3,628	3,557	5,054			
[illegible]			-3,41	5,385	-5,16	-3,42	-3,47	-2,22	-1,76	-,789	,4623	1,351	1,696	2,447	4,009			
[illegible]			-4,69	-4,45	-3,86	-3,85	-2,74	-2,19	-,529	,2892	2,141	2,277	3,111	3,286	3,546			
[illegible]			-1,93	-4,12	-,977	-4,26	-2,11	-,944	-,055	-,178	1,246	1,909	2,535	3,679	2,792			
[illegible]			-,919	-3,82	-3,29	-4,87	-2,86	-1,82	-,078	,6277	1,883	,7657	2,951	3,386	3,465			
[illegible]			2,775	,7418	2,439	-2,55	-,361	-1,93	,7751	-1,09	1,382	-,046	,7063	-,454	1,491			
[illegible]			1,672	,9034	2,757	,1209	-1,73	-,287	-,962	-1,25	-,692	,7846	1,992	1,856	,0625			
[illegible]			,6816	1,551	,9201	,0856	-1,09	,1449	-1,44	-,699	,5853	,8831	3,388	,6369	-2,73			
[illegible]			,392[illegible]	1,344	-,754	,5335	-,241	,0362	-1,32	-1,19	,9162	1,474	2,739	,4015	-3,24			
[illegible]			-1,09	,9792	-1,94	-,326	-,368	-2,22	,0740	-,928	1,715	2,270	2,952	,6233	-,335			
[illegible]			2,427	3,782	4,182	1,402	-,523	-2,03	-2,08	-2,55	-,665	,6663	,2297	-,606	-2,16			
[illegible]			,7131	3,653	1,643	1,805	-1,03	-1,36	-1,45	-2,65	,3698	1,873	2,547	-3,30	-7,78			
[illegible]			-,864	1,116	1,778	,2185	-2,29	-,439	-2,23	-1,89	1,897	3,699	2,642	-1,16	-4,46			
[illegible]			-,226	2,579	3,219	1,966	-,732	,3822	-2,23	-1,92	-,357	2,189	1,177	-4,45	-6,97			
[illegible]			-,769	,5734	2,197	-,559	2,445	-1,75	1,369	1,865	1,478	-1,23	-,866	-4,79	-5,58			
[illegible]			-,1277	-1,02	-5,76	-1,11	-1,39	-1,57	,7273	1,212	5,819	-3,19	1,695	-3,29	-3,43			
[illegible]			-,102	,3825	-5,28	,3513	-3,40	-,681	,3418	-,596	5,824	-,379	2,859	-3,46	-3,37			
[illegible]			-2,23	-,493	-,527	-,947	-1,66	-1,63	-2,09	,3666	2,469	4,403	3,390	-6,03	-6,53			
[illegible]			,7455	,1769	,7454	-,945	-1,74	-1,63	-,277	,9613	4,322	1,197	,4086	-4,00	-4,98			
[illegible]			2,577	3,129	-,642	,8018	-,759	-1,17	-1,65	-,731	2,919	-,711	2,093	-2,96	-3,94			
[illegible]			2,334	1,718	-,745	-,216	,5714	-,681	,3881	-,161	1,425	1,947	,2788	-2,14	-3,52			

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[illegible] TEMP, 32,00
[illegible] TEMP, 3[illegible],00
[illegible], PRESS RF 28,74
[illegible] HUMIDITY 3,912

[illegible] /CU PRESS [illegible] PHASE 55 [illegible] IGVS 9 LEG OPEN T/C 2/17/76

[illegible] PWL=127 SPECL=5502

RADIAL DISTANCE 250

DATE: 6/25/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ	7.7	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2	107.2	117.2	127.2	137.2	147.2	157.2	167.2	177.2	(PWL)
[illegible]				67,64	67,23	67,89	66,33	65,26	66,27	66,28	67,80	69,44	69,18	70,28	72,32	75,46			126,5
63				65,62	64,23	75,31	65,78	64,79	65,96	70,66	67,62	69,89	70,64	71,27	72,73	75,15			127,0
8				62,72	64,22	64,98	65,12	65,16	66,93	67,03	67,79	69,66	70,13	71,41	72,65	73,93			126,1
[illegible]				65,52	66,78	66,07	68,74	67,63	69,32	69,71	70,71	72,44	73,79	74,85	74,39	75,24			128,9
125				65,99	74,98	65,36	67,15	66,76	68,85	68,64	69,49	70,96	72,82	72,61	73,67	75,17			128,6
160				64,39	64,62	65,17	65,98	66,36	67,86	69,03	69,49	70,96	71,31	72,15	72,68	72,85			127,4
200				66,92	64,71	67,52	65,98	66,36	69,42	68,83	71,13	69,82	71,12	72,79	72,91	71,38			127,8
250				62,27	59,43	66,56	60,36	62,23	63,18	64,52	65,34	66,07	65,37	67,56	68,55	68,29			122,9
315				65,48	63,79	65,62	61,39	62,72	66,96	63,84	62,73	64,58	63,31	63,74	63,32	65,25			121,8
400				66,98	66,24	67,64	65,54	63,62	64,93	64,82	64,12	65,44	67,81	67,62	67,07	65,64			124,2
500				70,62	71,88	71,11	70,36	68,77	69,91	68,94	69,67	70,70	71,91	73,92	70,98	67,21			129,1
630				74,42	75,88	74,88	75,19	73,99	74,35	73,38	73,25	75,28	75,93	77,13	74,68	70,95			133,4
800				73,96	76,58	73,75	74,84	74,71	73,21	75,32	74,21	76,37	77,12	77,38	75,19	74,27			134,1
1000				75,24	77,31	78,79	75,96	73,49	72,67	73,41	72,89	74,95	76,33	75,38	75,03	73,78			134,8
1250				82,86	84,27	82,28	82,12	79,05	78,52	78,91	77,48	80,92	81,94	82,59	76,59	72,99			139,7
1600				78,37	80,42	80,75	79,71	77,43	79,63	77,87	77,21	80,28	83,35	82,30	78,16	75,87			139,8
2000				78,93	81,87	82,79	81,16	78,57	79,33	76,92	77,81	78,99	81,57	80,59	74,81	73,51			139,2
2500				77,61	79,14	82,89	78,23	81,23	77,12	80,26	80,63	80,25	77,93	78,36	73,89	73,74			139,8
3150				83,85	82,71	78,88	82,95	82,75	84,44	83,44	84,32	86,31	82,73	84,58	79,08	76,19			143,5
4000				86,81	84,94	80,39	87,32	83,41	90,59	86,94	84,91	89,15	89,62	89,04	83,46	81,46			147,9
5000				77,82	79,24	79,76	80,19	78,92	80,15	77,99	81,52	81,29	85,12	83,51	74,56	74,42			141,8
6300				79,99	79,84	81,48	78,63	79,21	78,36	80,52	81,19	83,31	82,29	80,21	75,27	74,65			142,5
8000				81,16	80,72	79,87	80,72	77,71	78,11	80,75	77,95	82,78	77,85	82,16	76,31	75,94			143,5
10000				77,57	77,37	75,89	75,75	75,67	74,33	75,89	75,76	76,86	78,43	76,27	71,98	71,67			141,8
MEASURED OASPL				92,48	93,31	92,32	93,35	91,48	94,87	92,59	92,44	94,84	95,12	94,91	90,34	89,29			
CALCULATED OASPL				91,46	92,25	91,29	92,24	90,51	93,25	91,73	91,38	93,98	94,89	93,98	89,31	88,38			
PNDR				106,3	106,4	104,2	107,3	104,9	108,9	106,9	106,8	109,1	109,4	109,1	104,3	102,9			

OAPWL: 153,1

AMBIENT TEMP. 32,00
REDUCED TEMP. 30,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

F[illegible] /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RL =13 RUN=12A SPEED=5752

RADIAL DISTANCE 250

DATE: 2/25/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50				-.885	-1.50	-.836	-2.39	-3.47	-2.46	-2.45	-.927	.7073	.4499	1.545	3.595	6.736		
63				-4.45	-5.82	5.256	-4.27	-5.27	-4.09	.6886	-2.44	-.169	.5872	1.212	2.875	5.090		
80				-5.72	-4.42	-3.46	-3.32	-3.28	-1.51	-1.41	-.648	1.222	1.687	2.965	4.289	5.488		
100				-5.33	-4.22	-4.92	-2.18	-3.29	-1.61	-1.22	-.215	1.511	2.861	3.125	3.464	4.313		
125				-4.50	4.477	-5.13	-3.35	-3.74	-2.45	-1.86	-.998	.4678	1.521	2.189	3.172	4.674		
160				-4.77	-4.54	-3.99	-3.18	-2.88	-1.30	-.131	.3359	1.881	2.145	2.989	3.441	3.691		
200				-2.52	-4.72	-1.92	-3.45	-3.08	-.816	-.683	1.692	.3845	1.681	3.365	3.481	1.947		
250				-2.27	-5.10	-3.97	-4.17	-2.33	-1.35	-.012	.8138	1.537	.8372	3.031	4.219	3.761		
315				2.225	.5378	2.372	-1.91	-.550	-2.29	.5928	-.519	1.328	.0573	.4982	.0707	1.997		
400				1.439	.4914	2.101	-.887	-1.92	-.617	-.723	-1.42	-.188	1.469	2.075	1.524	.0916		
500				.2874	1.556	.7858	.2291	-1.56	-.419	-1.39	-.662	.4589	1.178	3.587	.6539	-3.11		
630				-.044	1.638	.4309	.7507	-.448	-.099	-1.07	-1.19	.8291	1.481	2.689	.2358	-3.49		
800				-1.01	1.532	-1.22	-.126	-.257	-1.76	.3477	-.757	1.395	2.131	2.411	.2168	-.699		
1000				1.293	2.368	3.843	1.722	-1.46	-2.27	-1.53	-2.05	.0893	1.393	.4398	.0682	-1.16		
1250				.5640	3.974	1.973	1.832	-1.24	-1.77	-1.38	-2.81	.6242	1.649	2.298	-3.69	-7.29		
1600				-1.13	.9159	1.252	.2053	-2.87	.1274	-1.64	-2.29	.7215	3.849	2.892	-1.34	-4.43		
2000				-.364	2.972	3.496	1.862	-.728	.0332	-2.37	-2.28	-.392	2.273	1.382	-4.48	-5.78		
2500				-1.28	.3252	2.080	-.583	2.413	-1.69	1.450	1.816	1.434	-.885	-.454	-4.92	-5.07		
3150				.0644	-.281	-4.19	-.238	-.239	1.449	.4561	1.336	3.321	-.256	1.513	-3.91	-4.79		
4000				-1.03	-1.90	-6.45	.4831	-3.43	3.751	.1029	-1.93	2.314	2.785	2.286	-3.38	-5.38		
5000				-2.56	-1.14	-.626	-.193	-1.46	-.231	-2.38	1.137	.9891	4.735	3.126	-5.82	-5.97		
6300				-.018	-.164	1.399	-1.37	-.793	-1.65	.5153	1.191	3.307	2.294	.2036	-4.73	-5.36		
8000				1.674	1.241	-.411	1.239	-1.77	-1.37	1.264	-1.54	3.221	-1.64	2.679	-3.17	-3.54		
10000				1.938	1.742	-.534	.1192	.0358	-1.30	.2571	.1297	1.233	2.806	.6416	-3.65	-[illegible].96		

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=120 SPEED=5750

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS, REDUCED AT STANDARD DAY

	ANGLES FROM I LET																
	12,2	17,2	2	3	4 ,2	5	6	70,0	82,	92,2	100,0	110,0	120,0	130,0	140,0	150,	160,0	170,0	(PWL)
				68,39	68,18	68,49	66,79	66,22	67,23	67,47	69,44	71,00	70,16	71,39	73,24	76,64			127,6
				66,29	65,28	74,83	66,67	65,93	66,81	70,99	68,98	70,89	72,02	72,36	74,29	76,96			128,8
				64,65	65,29	65,83	66,54	66,26	67,95	68,42	69,28	71,23	71,44	72,76	74,66	75,40			127,8
				67,65	68,24	67,59	69,89	68,72	71,17	71,28	72,94	74,39	75,96	76,72	77,16	77,88			131,2
				67,22	74,94	65,34	68,26	68,81	69,12	70,02	70,93	72,29	73,02	74,21	75,26	77,83			129,9
				65,39	66,22	65,91	67,83	67,53	69,34	70,87	70,49	72,54	72,82	73,76	74,48	74,57			128,9
				67,84	64,99	65,07	66,84	69,96	72,29	70,23	70,09	71,68	72,66	73,36	74,28	72,68			128,9
				63,91	61,33	61,41	62,34	63,72	65,39	66,57	67,48	68,53	67,65	69,98	71,24	78,65			128,2
				65,69	64,69	65,54	61,79	63,38	62,39	65,19	65,22	66,74	64,73	64,97	64,83	67,87			123,1
				68,65	66,59	66,32	65,98	63,59	64,95	65,28	64,45	65,37	67,05	67,89	68,27	67,96			124,7
				71,75	72,79	71,73	71,22	69,16	70,42	69,69	69,69	70,56	71,89	74,91	71,68	68,86			129,7
				75,22	76,99	75,69	76,85	74,36	75,36	74,86	74,37	75,84	76,86	78,13	75,84	71,88			134,3
				76,24	78,26	75,38	76,27	75,73	74,62	76,67	75,98	78,19	78,71	78,78	76,44	74,29			135,6
				76,45	77,12	76,21	75,83	73,61	73,69	74,92	74,35	76,94	77,67	76,65	76,69	75,50			134,9
				81,93	84,45	83,02	82,48	79,57	78,83	78,91	77,98	79,95	81,92	82,78	78,72	74,35			139,9
				79,83	81,74	81,48	81,78	78,95	81,79	79,66	78,49	82,35	85,31	84,19	79,17	76,82			140,9
				79,93	82,49	83,64	81,97	79,94	80,25	77,25	78,26	79,81	82,18	80,77	75,94	75,37			139,9
				78,45	79,77	81,66	79,13	82,82	78,57	81,25	82,34	82,82	79,67	79,87	75,17	74,88			140,3
				83,19	82,94	79,49	83,82	83,31	82,58	83,67	84,86	87,46	86,17	84,72	78,66	78,62			148,7
				85,19	86,28	81,91	88,85	82,23	86,59	85,91	86,83	90,69	86,96	88,34	82,89	83,13			147,7
				79,83	79,98	86,59	81,17	86,39	79,87	79,68	81,49	82,39	86,17	83,99	76,18	75,19			148,7
				80,99	80,16	81,89	79,41	81,18	76,86	81,85	82,62	84,53	84,48	81,36	77,81	75,93			143,7
				82,92	82,88	79,83	80,49	79,26	78,65	80,85	80,54	81,85	79,89	83,84	76,27	75,86			143,7
				77,85	76,55	75,25	75,05	75,46	74,94	76,55	76,26	79,82	81,81	77,88	73,82	72,67			143,1
				92,86	94,88	93,08	94,11	92,33	93,49	92,99	93,64	96,85	95,31	95,41	91,21	88,78			
				91,65	92,89	91,99	92,89	91,28	92,43	91,89	92,64	95,11	94,19	94,32	90,84	89,74			
				105,4	107,4	105,2	108,0	105,4	107,9	106,8	107,6	110,4	108,5	109,2	104,6	104,3			

OAPWL: 153,6

	32,00
	30,00
	28,76
	3,612

= PHASE 5B + 5C 9 DEG OPEN T/D 2/17/70

RDS=129 SPEED=0.847

RADIAL DISTANCE 250

DATE: 2/27/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5[illegible]			-2,42	-1,63	-1,32	-3,02	-3,79	-2,78	-2,34	-,373	1,284	,3553	1,589	3,427	6,828			
63			-4,65	-5,67	3,876	-4,28	-5,02	-4,14	,0392	-1,97	-,851	1,067	1,409	3,346	6,889			
8[illegible]			-5,78	-4,71	-3,97	-3,27	-3,54	-1,85	-1,42	-,522	1,428	1,635	2,956	4,253	5,599			
1[illegible]			-5,63	-5,28	-5,54	-3,24	-4,41	-1,95	-1,64	-,192	1,271	2,838	3,589	4,029	4,749			
125			-4,89	3,223	-5,37	-3,45	-3,79	-2,59	-1,72	-,788	,5767	1,382	2,491	3,547	5,213			
160			-5,23	-4,41	-4,71	-3,59	-3,69	-1,29	-,554	-,126	1,913	2,199	3,135	3,859	3,948			
2[illegible]			-2,67	-5,51	-2,51	-3,87	-,552	-,259	-,275	-,419	1,173	2,154	2,851	3,773	2,173			
25[illegible]			-2,08	-5,46	-5,38	-4,45	-3,87	-1,39	-,218	,6936	1,742	,8618	3,194	4,456	3,867			
3[illegible]5			1,359	,1585	1,208	-2,79	-1,15	-2,13	,6639	,6863	2,212	,2021	,4451	,2979	2,539			
4[illegible]			2,283	,5696	2,348	-,739	-2,43	-1,87	-,736	-1,57	-,692	1,028	1,869	2,253	1,841			
5[illegible]			,8235	1,873	,8029	,2982	-1,77	-,584	-1,23	-1,23	-,363	,9891	3,989	,7571	-2,86			
63[illegible]			-,1,7	1,661	,3979	,7186	-,966	,6307	-,473	-,963	,5132	1,234	2,896	,9095	-3,93			
8[illegible]			-,452	1,776	-1,11	-,218	-,761	-1,87	,1874	-,503	1,683	2,224	2,292	-,848	-1,29			
1[illegible]			,7555	1,424	2,311	,1289	-1,89	-2,21	-,771	-1,35	1,249	1,971	,9513	,9994	-,195			
125[illegible]			-,441	3,921	2,494	1,919	-,963	-1,69	-1,62	-2,55	-,576	1,398	2,252	-3,81	-6,18			
160[illegible]			-1,37	,5415	,2842	,5888	-2,25	,5976	-1,51	-2,69	1,155	4,118	2,989	-2,83	-8,18			
2[illegible]0			-,144	2,456	3,625	1,939	-,897	,2162	-2,78	-1,77	-1,03	2,868	,7324	-4,89	-4,66			
25[illegible]			-1,69	-,376	1,587	-1,82	2,671	-1,58	1,896	2,198	1,879	-,481	-,283	-4,98	-5,27			
315			,6958	-,168	-3,61	-,896	,2899	-,924	,5694	1,786	4,389	-2,93	1,625	-4,44	-4,48			
4[illegible]			-1,36	-,282	-4,64	1,496	-4,32	2,729	-,647	,2754	4,139	,4837	1,785	-3,67	-3,43			
5[illegible]			-2,17	-1,21	-,609	-,723	-,807	-1,32	-1,51	,2904	1,198	4,975	2,794	-5,82	-6,01			
63[illegible]			-,284	-1,12	,6151	-1,87	-,106	-2,43	,5664	1,334	3,246	3,281	,0765	-4,27	-5,35			
5[illegible]			1,192	1,277	,1289	,7697	-,869	-1,08	-,875	,8140	2,218	-,637	3,369	-3,45	-3,87			
1[illegible]			,9396	-,368	-1,67	-1,87	-1,45	-1,97	-,366	-,650	2,985	4,892	,9701	-3,89	-4,24			

[illegible] TEMP,	32,00
[illegible] TEMP,	32,00
[illegible] PRESSURE	28,76
[illegible] VELOCITY	3,912

[illegible]/SUPPRESS # = PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/76

[illegible] [illegible]120 SPEED=8[illegible]

RADIAL DISTANCE 250

DATE: 3/03/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	10,	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				69,69	69,45	69,24	68,88	67,47	68,44	68,13	78,29	71,38	71,22	73,19	75,18	78,49			128,9
63				67,28	66,22	74,76	68,27	67,48	68,32	78,99	69,63	71,35	72,79	73,11	78,21	78,25			129,9
80				64,97	65,64	66,75	67,15	67,18	69,24	69,43	70,19	71,92	72,78	74,11	75,67	77,21			129,8
100				67,69	68,49	68,67	70,87	70,87	73,84	72,73	72,49	73,27	75,26	76,31	77,71	78,25			131,5
125				67,84	74,79	67,44	69,11	68,89	70,68	71,18	71,88	73,88	74,33	75,33	76,11	78,86			130,8
160				66,93	66,69	66,17	67,72	68,52	70,11	70,98	71,17	73,91	73,99	74,88	75,38	75,61			129,8
200				67,92	65,27	68,47	66,90	69,12	71,25	71,27	71,25	72,37	72,92	74,56	75,41	73,42			129,6
250				64,27	61,18	62,51	62,44	64,84	66,35	67,29	68,25	69,18	68,88	71,19	71,96	71,43			126,1
315				67,67	66,67	67,27	63,49	64,64	63,41	65,86	65,76	67,62	65,86	66,18	65,76	68,36			126,3
400				70,18	68,46	70,38	68,15	69,55	68,11	66,29	65,37	67,18	68,95	69,38	69,22	68,35			126,3
500				73,63	74,64	73,43	72,84	71,17	71,77	70,89	70,56	71,84	73,13	75,87	72,65	68,96			131,1
630				75,66	77,33	75,77	77,24	75,12	76,13	76,81	75,99	76,94	77,14	79,21	76,63	72,78			135,1
800				73,73	76,34	74,15	75,75	75,92	74,76	77,36	76,46	78,62	79,17	79,11	76,94	75,87			138,6
1000				79,82	78,65	79,81	77,75	75,28	74,19	75,52	74,95	76,88	78,15	76,95	76,15	75,69			136,8
1250				83,12	85,49	82,56	82,93	80,37	79,99	79,96	79,24	80,67	82,38	83,41	77,36	76,77			140,6
1600				80,31	81,85	81,88	80,80	78,78	81,47	80,88	79,28	82,49	85,48	84,42	79,53	76,71			140,9
2000				80,88	82,77	83,49	82,38	80,13	80,92	78,33	79,13	79,49	82,72	81,39	78,11	75,47			140,9
2500				79,74	78,91	82,39	79,82	83,25	79,44	82,32	83,24	82,54	80,28	80,78	75,79	75,57			141,1
3150				83,68	83,77	79,63	83,26	83,94	83,58	84,49	85,79	87,82	86,63	85,25	79,24	79,84			144,3
4000				84,35	89,99	82,61	89,36	88,15	90,57	90,19	86,39	90,46	87,69	92,81	85,98	83,35			149,5
5000				79,78	81,07	81,84	81,83	80,73	81,25	80,45	82,75	83,14	86,67	84,21	76,92	75,89			143,3
6300				81,63	82,95	83,83	80,44	81,53	80,85	82,83	84,79	85,59	85,62	81,69	77,48	76,56			144,9
8000				82,26	81,25	79,59	81,52	81,28	80,37	80,02	81,26	82,92	83,48	83,11	77,37	76,97			144,9
10000				77,88	77,11	75,97	75,45	76,27	75,87	77,69	77,55	80,89	81,71	77,92	74,41	73,39			148,6
MEASURED OASPL				93,81	95,58	93,55	94,79	93,31	94,88	94,82	94,48	96,46	96,88	96,94	92,32	91,53			
CALCULATED OASPL				92,76	94,58	92,37	93,67	92,26	93,84	93,91	93,48	95,44	94,94	95,84	91,16	90,43			
DNDB				187,4	188,7	185,8	188,0	186,7	188,5	188,5	187,9	118,6	189,3	111,4	186,2	184,7			

OAPWL: 154.6

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,02
BAR. PRESSURE 28,76
REL. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=132 SPEED=6200

RADIAL DISTANCE 250

DATE: 3/23/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,7	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				-1,50	-1,75	-1,96	-2,32	-3,73	-2,75	-3,07	-,912	,1066	,0242	1,989	3,983	7,299			
63				-4,48	-5,46	3,877	-3,41	-4,28	-3,36	-,697	-2,05	-,335	1,817	1,426	3,529	6,566			
80				-6,09	-5,43	-4,31	-3,91	-3,88	-1,83	-1,63	-,875	,0549	1,632	3,843	4,687	6,147			
100				-5,78	-4,98	-4,79	-2,62	-2,59	-,428	-,743	-,976	-,284	2,789	2,837	4,242	4,777			
125				-4,79	2,154	-5,19	-3,52	-3,74	-1,96	-1,45	-,758	,4432	1,697	2,699	3,478	5,426			
160				-4,65	-4,88	-5,48	-3,85	-3,05	-1,47	-,594	-,488	1,948	2,418	3,386	3,884	4,840			
200				-3,35	-5,99	-2,79	-4,37	-2,14	-,818	,0859	-,819	1,181	1,697	3,292	4,338	2,194			
250				-3,32	-6,41	-5,88	-8,16	-3,56	-1,24	-,300	,6547	1,588	1,282	3,598	4,370	3,835			
315				1,959	,9668	1,564	-2,22	-1,07	-2,29	,1582	,0553	1,911	,1529	,4385	,0544	2,693			
400				2,568	,8749	2,786	,5428	-2,84	-1,48	-1,29	-2,22	-,411	,9562	1,637	1,626	,7422			
500				1,346	2,347	1,139	,5476	-1,12	-,521	-1,39	-1,73	-,444	,8429	3,582	,3681	-3,33			
630				-,518	1,136	-,427	1,841	-1,87	-,872	-,191	-,282	,7397	,9375	3,811	,4349	-3,49			
800				-2,77	-,151	-2,35	-,741	-1,87	-1,73	,8614	-,836	2,124	2,669	2,611	,4467	-,625			
1000				3,042	2,888	3,239	,9719	-1,49	-2,58	-1,26	-1,83	,1851	1,372	,1716	-,625	-1,89			
1250				1,932	4,302	1,369	1,742	-,812	-1,20	-1,63	-1,94	-,520	1,198	2,223	-3,83	-6,42			
1600				-,979	,9491	,4983	-,418	-2,69	,1834	-1,23	-2,82	1,191	4,114	3,188	-1,78	-4,59			
2000				,3058	2,274	2,588	1,892	-,369	,4848	-2,16	-1,37	-,999	2,223	1,894	-4,39	-5,83			
2500				-1,17	,0848	1,488	-1,28	2,339	-1,47	1,414	2,329	1,638	-,695	-,187	-5,12	-5,34			
3150				-,888	,0835	-4,86	-,446	,2498	-,186	,7977	2,187	4,186	-3,86	1,997	-4,45	-4,65			
4000				-2,81	1,641	-8,74	1,888	-3,20	2,218	1,841	-1,96	2,188	-,668	3,682	-2,88	-5,83			
5000				-2,18	-,813	-,839	-,892	-1,15	-,634	-1,43	,8738	1,256	4,798	2,328	-4,97	-5,99			
6300				-,827	-,584	,9763	-2,82	-,928	-1,61	,3737	2,336	3,148	3,167	-,761	-4,98	-5,89			
8000				,3288	,3124	-1,33	,9917	,3489	-,966	-,989	,3236	1,982	2,549	2,173	-3,56	-3,96			
10000				,3735	-,369	-1,91	-2,83	-1,21	-1,61	,2115	,8714	3,411	4,834	,4389	-3,97	-4,09			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=132 SPEED=6200

RADIAL DISTANCE 250

DATE: 2/27/79

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	7.5	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				70.13	69.39	69.53	68.27	68.28	69.19	69.19	70.72	72.17	72.14	73.66	75.93	79.58			130.7
63				68.68	68.82	74.98	69.44	68.59	69.51	71.98	70.93	72.58	73.47	74.81	76.46	79.49			136.6
80				65.81	66.85	67.66	68.86	67.95	70.16	70.41	71.82	73.21	73.75	75.89	76.54	78.25			138.8
100				70.31	71.48	71.94	72.68	74.20	74.87	73.85	73.48	75.42	76.64	78.23	79.12	80.15			133.2
125				68.96	75.29	68.99	70.47	70.96	72.16	72.17	73.83	74.84	75.79	77.29	78.81	80.15			135.4
160				67.35	68.18	67.14	68.98	69.88	71.42	71.89	72.73	74.65	75.13	76.38	77.85	77.63			134.3
200				68.22	66.29	68.47	68.31	69.79	70.72	72.87	72.24	74.82	75.16	77.08	77.86	78.32			131.8
250				65.87	62.89	63.49	63.31	65.48	67.42	68.18	69.56	70.78	70.98	73.71	74.98	73.65			130.8
315				69.21	68.84	68.78	64.87	65.02	64.41	66.56	67.22	68.52	66.59	67.47	67.74	69.48			128.5
400				71.45	69.95	71.55	69.08	67.29	68.11	68.57	67.82	67.98	68.82	69.74	70.17	69.72			127.8
500				74.55	75.14	74.27	74.87	72.64	73.78	73.82	72.42	73.47	74.16	76.48	72.81	76.29			128.3
630				75.32	77.59	76.65	78.14	76.47	77.38	78.82	77.43	78.24	78.17	80.29	77.48	73.44			126.2
800				73.24	76.52	74.64	76.98	76.20	75.45	77.97	77.39	79.95	80.34	80.67	77.69	76.22			130.3
1000				79.61	79.53	82.46	78.34	75.78	74.87	75.81	74.97	77.37	78.69	78.13	77.68	76.81			136.3
1250				82.29	85.48	82.75	80.62	81.19	81.89	80.89	79.83	81.38	82.15	82.66	77.18	75.39			140.8
1600				80.55	82.17	82.86	81.34	79.29	81.73	80.98	79.18	82.94	80.87	80.47	79.82	76.82			141.8
2000				79.77	82.92	83.35	82.71	81.82	81.81	78.97	78.77	80.39	83.86	81.91	76.94	76.18			142.7
2500				79.17	80.72	82.79	80.12	83.89	79.96	82.61	83.11	83.17	80.75	82.82	78.95	76.85			141.8
3150				83.42	83.57	79.91	83.87	84.78	83.87	85.82	86.83	88.29	88.88	85.47	79.47	79.66			144.6
4000				86.89	89.83	84.83	91.26	86.77	98.89	94.83	89.36	91.49	86.48	90.96	84.11	83.49			148.7
5000				79.21	81.43	81.58	82.79	81.53	82.39	82.37	83.41	84.87	87.29	84.74	77.78	76.88			144.1
6300				80.91	81.98	82.61	88.59	82.82	81.37	83.63	85.52	88.46	84.47	81.77	77.68	77.67			148.4
8000				80.25	81.14	79.47	81.78	82.25	81.84	88.73	84.12	83.91	82.33	85.93	77.82	77.82			148.9
10000				77.24	77.98	75.53	76.28	77.22	77.82	78.89	78.51	88.69	88.98	82.84	74.82	73.98			144.0
MEASURED OASPL				93.53	95.33	94.82	95.87	94.32	95.53	96.99	95.56	97.27	96.58	97.16	93.81	98.89			
CALCULATED OASPL				92.32	94.17	92.89	94.79	93.29	94.43	96.25	94.65	96.27	95.44	96.87	91.33	91.37			
PNDB				107.1	109.2	106.9	110.3	107.9	110.1	112.1	109.7	111.5	109.9	111.3	105.9	105.3			
																		OAPWL:	152.4

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/1/770

RUN=13 RDG=131 SPEED=6450

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 13,2	21,2	30,2	41,2	52,2	62,2	72,2	82,2	92,0	100,0	110,0	120,0	130,0	140,2	150,2	160,0	170,0	(PWL)
50			-1,78	-2,52	-2,38	-3,64	-3,53	-2,72	-2,72	-1,19	,2641	,2345	1,753	4,819	7,665			
63			-4,24	-3,97	2,211	-3,33	-4,17	-3,26	-,867	-1,84	-,224	,7883	1,739	3,693	6,725			
80			-6,25	-5,21	-4,39	-4,88	-4,11	-1,89	-1,65	-1,84	1,151	1,696	3,843	4,481	6,192			
100			-4,86	-3,63	-3,17	-2,43	-,909	-,243	-2,06	-1,63	,3083	1,534	3,119	4,088	5,243			
125			-5,29	,8342	-5,27	-3,78	-3,29	-2,09	-2,89	-1,22	,5915	1,946	3,043	3,959	5,899			
160			-5,64	-4,89	-5,86	-4,08	-3,19	-1,57	-1,11	-,278	1,693	2,136	3,354	4,247	4,632			
200			-4,62	-6,55	-4,37	-4,94	-3,05	-2,13	-,774	-,689	1,176	2,315	4,157	5,814	2,672			
250			-4,49	-6,68	-6,07	-6,25	-4,08	-2,14	-1,38	,8821	1,219	1,343	4,153	5,418	4,889			
315			2,269	1,899	1,839	-2,27	-1,92	-2,53	-,381	,2789	1,579	-,391	,5322	,7947	2,944			
400			2,644	1,153	2,748	,2936	-1,58	-,693	-,227	-1,78	-,828	,8162	,9481	1,372	,7199			
500			1,169	1,697	,8236	,6236	-,884	,3332	-,426	-1,02	,8831	,7161	2,958	-,833	-1,19			
630			-1,98	,3835	-,644	,8486	-,826	,8806	,7282	,1348	,9464	,8745	3,882	1,883	-3,86			
800			-4,19	-,929	-2,79	-,859	-1,15	-1,98	,9386	-,838	2,518	2,915	3,236	,2629	-1,21			
1000			2,336	2,253	3,184	1,762	-1,49	-2,41	-1,46	-2,31	,8961	1,419	,8511	,1726	-1,26			
1250			,9006	4,088	1,349	2,222	-,211	-,314	-1,38	-1,56	-,888	,7912	1,256	-4,28	-8,88			
1600			-1,27	,3561	,4444	-,476	-2,52	-,885	-1,74	-8,72	1,119	4,288	3,888	-8,88	-4,99			
2000			-1,03	1,721	2,556	1,919	,2233	1,018	-1,83	-2,83	-,484	2,267	1,116	-3,86	-4,41			
2500			-2,14	-,584	1,496	-1,18	2,591	-1,35	1,307	1,883	1,871	-,553	,7211	-8,37	-8,26			
3150			-,644	-,489	-4,15	-,189	,6423	-,192	,9973	1,988	4,833	-3,18	1,413	-4,59	-4,48			
4000			-3,49	-,563	-4,76	1,678	-2,82	1,381	4,439	-,236	1,983	-1,11	1,369	-8,48	-6,18			
5000			-3,44	-1,22	-1,07	,8988	-1,12	-,261	-,282	,7561	1,419	4,999	2,885	-4,88	-8,85			
6300			-2,69	-1,92	-,191	-2,44	-,378	-1,63	,6364	2,521	3,461	3,473	-1,23	-8,32	-5,33			
8000			-1,61	-,718	-2,38	-,274	,3951	-,813	-1,12	2,269	2,858	,4767	3,674	-4,83	-4,34			
10000			-,651	-,819	-2,37	-1,62	-,674	-,872	1,383	,6198	2,792	3,888	2,146	-3,88	-4,82			

D13

BIE Temp.	32,82
Combustor Temp.	32,82
Exit Press RE	23,76
Exit Velocity	3,912

FAN + A /COMPRESSOR - PHASE 2B + 2C IGVS 9 DEG OPEN T/D 2/17/78

RC=13 RCR=131 SPEED=6456

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RADIAL DISTANCE 250

DATE: 2/25/7

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 4.2	12.6	24.6	32.8	40.6	52.8	64.2	76.2	88.2	92.6	100.8	110.8	122.8	130.8	140.6	150.8	168.8	170.8	(PWL)
50				75.68	74.88	70.69	68.78	68.63	70.78	78.63	71.75	73.26	72.69	75.01	77.51	81.31			138.8
63				74.32	69.22	76.36	69.26	69.05	74.69	88.96	71.69	73.19	74.81	75.79	77.61	80.42			137.9
80				73.88	68.68	68.82	68.68	69.11	71.68	72.31	72.85	74.81	74.34	76.52	78.18	79.83			131.8
100				76.66	74.79	70.93	72.57	72.39	75.85	74.01	74.86	75.51	77.65	79.24	80.77	81.55			134.1
125				76.24	75.76	70.31	71.88	72.26	74.56	73.64	74.36	75.98	77.38	78.64	79.85	81.38			138.9
160				74.69	69.93	68.36	69.20	70.31	72.87	75.89	73.49	75.48	78.84	77.38	78.38	79.12			138.7
200				75.25	68.83	68.93	68.46	69.33	71.55	79.17	73.21	74.69	75.14	77.88	78.31	79.95			132.8
250				74.29	65.32	64.38	64.57	66.11	69.55	78.17	71.34	72.78	72.38	74.96	75.59	74.45			130.7
315				75.34	70.58	68.34	65.69	65.15	66.38	71.69	68.28	78.24	67.73	69.49	68.31	78.25			127.7
400				73.44	68.15	66.66	65.89	66.26	66.14	67.71	64.93	66.87	66.82	67.38	68.86	68.63			128.8
500				77.99	75.76	75.67	73.98	73.24	74.45	73.19	72.38	73.19	74.49	77.36	74.24	71.03			133.1
630				79.24	78.72	76.59	77.97	76.73	77.34	78.28	78.27	79.12	78.65	81.87	78.62	75.84			136.9
800				79.29	77.47	74.46	73.85	76.93	76.89	79.88	78.91	80.68	80.96	81.51	78.32	77.39			137.4
1000				79.56	79.36	81.80	78.99	75.65	75.67	77.77	77.83	79.29	80.31	79.27	77.99	76.79			137.4
1250				84.49	86.49	83.23	83.19	80.23	80.93	79.86	79.69	80.68	81.69	83.84	77.68	76.83			141.8
1600				83.29	82.84	82.99	80.98	79.49	82.43	81.68	80.77	83.61	80.89	80.24	80.48	77.72			140.3
2000				82.38	83.64	83.73	81.91	80.31	81.68	79.61	80.18	80.74	83.83	82.61	77.11	76.97			141.2
2500				81.52	81.51	83.28	79.63	83.03	80.28	83.78	84.39	84.12	81.50	82.56	76.56	76.95			140.1
3150				85.65	84.55	81.08	83.21	84.79	84.47	86.44	87.37	88.63	81.54	85.56	79.99	80.38			141.3
4000				87.51	90.79	85.18	87.96	87.01	90.21	89.29	88.53	91.86	88.66	92.92	84.52	84.39			140.9
5000				82.27	82.91	82.92	82.38	82.85	83.19	83.13	84.81	84.77	88.25	85.99	78.97	78.45			140.1
6300				83.78	81.73	83.57	79.38	81.96	81.96	84.98	87.07	86.69	85.89	82.48	77.68	78.03			140.1
8000				82.56	81.66	80.94	80.52	81.85	81.83	82.11	84.25	83.92	81.88	84.42	77.56	78.88			140.9
10000				80.29	78.18	77.24	76.19	77.87	77.39	79.89	80.41	81.66	82.83	80.28	76.46	78.38			143.8
MEASURED OASPL				97.76	96.66	94.76	94.36	94.29	95.83	96.84	96.47	97.89	97.87	98.88	93.73	93.79			
CALCULATED OASPL				94.88	95.34	93.58	93.29	93.13	94.44	95.96	95.44	96.89	95.91	96.92	92.35	92.45			
PWDB				109.5	110.5	107.9	108.3	107.9	109.9	110.2	109.9	111.9	110.9	111.4	106.6	106.2			

OAPWL: 150.7

D14

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FW /CD PRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/O 2/17/70

RVN=14 RUG=132 SPEED=6600

RADIAL DISTANCE 252

DATE: 2/25/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5				1,405	-3,62	-3,73	-5,04	-5,79	-3,63	4,219	-2,67	1,15	-1,73	,5962	3,096	6,893		
63				-5,37	-12,5	-3,31	-12,4	-12,6	-8,98	9,266	-7,77	-6,48	-5,66	-3,87	-1,86	1,145		
80				,3195	-4,88	-4,74	-4,88	-4,45	-1,58	-1,25	-1,51	,4583	,7809	2,958	4,618	6,368		
100				,6259	-5,25	-5,12	-3,47	-3,65	-,997	-2,03	-1,19	-,537	1,682	3,212	4,726	5,588		
125				,4237	-,256	-5,51	-4,82	-3,76	-1,25	-2,17	-1,26	,1642	1,531	2,838	4,235	5,561		
160				,2373	-4,53	-6,10	-5,26	-4,15	-1,79	1,392	-,994	1,015	1,482	2,924	3,919	4,697		
200				,5958	-6,42	-5,52	-5,99	-5,12	-2,90	4,725	-1,24	,2372	,6987	2,552	3,863	1,682		
250				3,262	-5,92	-5,84	-6,66	-5,11	-1,67	-1,06	,1127	1,479	1,078	3,737	4,372	3,226		
315				5,236	1,476	-,762	-3,41	-3,96	-2,79	2,594	-,528	1,136	-1,38	-,607	-,796	1,145		
400				5,821	-6,48	,0344	-1,52	-,359	-,478	1,087	-1,69	-1,75	-,607	,7699	1,938	-,992		
500				3,735	1,497	1,486	-,362	-1,03	,1822	-1,07	-1,96	-,965	,2352	3,094	,2887	-2,33		
630				1,273	,7587	-1,37	,0813	-1,24	-,628	,3109	,3060	1,151	,6864	3,108	,6861	-2,92		
800				,7655	-,857	-3,86	-2,48	-1,39	-2,23	,7582	,5799	2,276	2,629	3,185	-,883	-,939		
1000				1,256	1,753	3,496	,6868	-2,66	-2,63	-,536	-1,27	,9418	2,010	,9485	-,319	-1,51		
1250				2,913	4,916	1,657	1,618	-1,35	-,647	-1,72	-1,89	-,964	,1133	1,402	-3,69	-5,35		
1600				,6837	,2248	,3770	-1,71	-3,13	-,183	-,931	-1,84	,9920	4,239	3,619	-4,17	-4,89		
2000				1,132	2,397	2,481	,6661	-,931	,4358	-1,64	-1,06	-,589	2,591	1,367	-4,13	-4,27		
2500				-,397	-,410	1,362	-2,29	1,112	-1,64	1,783	2,473	2,203	-,364	,6376	-5,34	-4,[illegible]		
3150				,8796	-,225	-3,69	-1,56	,8259	-,899	1,663	2,601	3,853	-3,23	,7898	-4,79	-4,39		
4000				-1,34	1,947	-3,6[illegible]	-,884	-1,84	1,363	,4484	-,316	3,811	-,192	3,673	-3,93	-4,45		
5000				-1,36	-,711	-,785	-1,32	-1,57	-,432	-,497	1,186	1,147	4,027	2,341	-5,05	-5,58		
6300				,1603	-1,91	-,268	-4,26	-2,08	-1,67	1,264	4,026	3,058	2,256	-1,19	-5,94	-9,64		
8000				,6522	-,243	-1,36	-1,29	-,259	-,878	,2833	2,348	1,616	1,146	2,518	-4,35	-3,[illegible]		
10000				1,403	-,777	-1,64	-2,69	-1,81	-1,49	1,013	1,534	2,777	3,153	1,322	-3,42	-3,49		

AMBIENT TEMP. 32,02
WET-BULB TEMP. 30,07
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] RUB=132 SPEED=6602

RADIAL DISTANCE 250

DATE: 2/25/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 7.2	12.4	22.6	32.8	42.9	52.7	62.2	72.2	82.2	92.3	102.9	112.9	122.9	132.9	142.9	152.6	162.9	172.9	(PWL)
50				74.34	71.76	71.27	70.77	70.52	71.77	76.48	73.68	75.84	74.68	77.02	79.45	83.62			153.1
63				72.47	72.35	70.75	71.15	70.26	71.48	86.18	73.29	74.83	75.81	77.67	79.79	82.68			156.3
80				71.22	69.55	72.05	70.68	70.52	72.42	73.11	73.78	75.93	76.48	78.58	80.39	81.42			153.2
100				72.67	70.75	71.17	73.13	72.03	73.89	74.67	75.48	76.74	78.78	79.99	81.66	83.21			154.8
125				75.49	76.29	74.15	75.48	75.32	76.42	77.88	75.45	77.84	78.99	81.73	82.14	83.02			156.3
160				73.38	72.93	69.47	71.33	71.72	73.57	75.16	74.39	76.88	77.44	79.14	80.28	80.53			153.9
200				73.17	68.79	69.53	70.35	70.30	71.99	77.19	73.34	74.99	75.32	77.68	79.17	76.88			150.8
250				72.12	66.26	65.37	69.00	68.36	70.06	70.49	71.13	72.26	71.78	75.72	76.67	75.47			150.1
315				72.35	70.02	68.98	67.24	66.35	66.38	70.18	67.71	68.93	69.89	69.81	64.31	70.79			147.2
400				71.66	69.52	69.28	66.93	65.14	67.23	68.69	68.23	67.54	70.89	72.92	70.25	68.83			145.8
500				77.18	76.11	76.66	75.22	75.36	76.18	76.31	77.03	77.56	78.86	80.43	77.41	73.66			156.5
630				78.34	79.81	78.03	79.29	78.44	78.74	79.64	80.24	82.08	81.56	82.44	80.52	76.23			158.7
800				78.67	79.29	76.12	79.81	78.41	78.16	79.78	78.89	81.38	80.39	81.65	79.89	76.64			156.2
1000				78.42	79.29	80.44	78.39	77.2	76.89	78.02	76.82	78.57	78.	78.57	77.69	77.24			157.2
1250				83.99	86.94	84.65	84.48	82.22	82.97	82.81	81.14	84.79	80..	80.78	79.74	78.17			162.1
1600				83.63	84.93	82.83	83.67	80.40	83.56	81.45	80.46	82.87	85.53	84.09	80.98	78.17			160.3
2000				82.54	84.05	84.59	82.77	81.50	83.18	80.82	80.25	82.82	80.85	84.62	77.11	78.87			160.4
2500				82.19	82.87	82.81	80.86	84.26	81.47	84.68	84.35	84.11	81.17	81.25	78.64	78.89			160.4
3150				85.97	85.77	81.29	84.61	85.35	85.79	87.26	88.29	89.38	82.31	84.79	80.27	80.38			166.8
4000				87.47	89.33	84.29	91.87	87.78	90.90	90.74	98.75	94.31	90.89	90.68	84.02	84.84			171.1
5000				84.28	85.88	84.67	87.44	85.78	87.04	86.85	88.82	90.94	91.18	88.36	81.88	80.58			168.8
6300				84.92	83.96	84.49	81.72	83.95	83.92	85.92	86.74	87.83	86.42	82.39	78.59	78.27			166.9
8000				83.61	81.74	79.87	81.76	82.00	82.34	83.9	83.84	84.24	84.32	83.98	77.68	77.69			166.4
10000				81.37	78.79	77.42	78.02	79.75	79.56	82.14	81.92	82.34	83.79	82.84	75.59	75.53			166.9
MEASURED OASPL				97.35	97.18	95.23	96.89	95.59	97.80	97.74	97.58	99.65	98.98	98.46	94.86	94.87			
CALCULATED OASPL				95.84	95.75	93.99	95.67	94.56	95.78	96.72	96.51	98.64	97.89	97.82	93.33	93.98			
PNDB				109.5	112.4	107.5	110.9	109.2	111.0	111.5	111.4	113.9	112.7	111.8	108.8	108.9			

OAPWL: 156.9

D16

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RWM14 RJG=133 SPEED=0900

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

RPM	ANGLES FROM INLET 7,5	12,6	27,6	42,6	57,7	64,7	72,0	87,2	98,7	107,9	118,7	122,2	132,8	142,7	152,2	160,2	170,8 (PWL)
[illegible]				-,989	-3,57	-4,26	-4,56	-4,81	-3,57	1,152	-1,73	-,289	-,731	1,685	4,116	7,692	
63				-5,93	-8,04	-1,64	-7,24	-8,13	-6,92	7,781	-5,11	-3,57	-2,58	-,728	1,394	4,280	
8[illegible]				-4,62	-5,69	-5,19	-4,56	-4,72	-2,82	-2,13	-1,46	,6927	1,238	3,341	5,147	6,561	
1[illegible]				-3,86	-5,99	-5,56	-3,69	-4,10	-2,84	-2,86	-1,33	,0867	1,967	3,258	4,925	6,478	
126				-2,65	-1,85	-3,99	-2,66	-2,84	-1,74	-1,14	-2,69	-,381	1,846	3,586	4,883	5,675	
1[illegible]				-2,26	-4,71	-6,17	-4,31	-3,92	-2,87	-,488	-1,26	1,241	1,796	3,497	4,837	4,869	
2[illegible]				-1,24	-5,62	-4,88	-4,86	-4,10	-2,41	2,792	-1,87	,5927	,9133	3,272	4,766	2,479	
252				,4767	-3,38	-6,28	-2,64	-3,29	-1,59	-1,15	-,513	,6891	,8554	4,875	5,826	3,826	
315				3,723	1,372	,3331	-1,41	-2,29	-2,27	1,457	-,939	,2876	,2499	1,159	,6684	2,151	
4[illegible]				2,862	,7269	,4783	-1,87	-3,66	-1,57	-,196	-,566	-1,26	1,29[illegible]	4,128	1,494	,8288	
5[illegible]				,4436	-,629	-,878	-1,51	-1,38	-,554	-,427	,2998	,8889	2,138	3,693	,6718	-3,87	
6[illegible]				-1,36	,1895	-1,67	-,481	-1,26	-,859	-,865	,5481	2,383	1,875	2,738	,8173	-3,47	
8[illegible]				-,454	,1694	-3,83	-,114	-,712	-,969	,6525	-,236	2,255	1,196	2,528	,7639	-,485	
1[illegible]				,5323	1,394	2,552	,4983	-,654	-,996	,1312	-1,87	,6746	1,833	,6746	-,193	-,654	
125[illegible]				,3329	3,283	1,227	,7638	-1,44	-1,89	-,846	-2,52	1,132	2,352	3,844	-3,92	-7,48	
1[illegible]				,9927	2,287	,1898	1,827	-2,24	,9286	-1,19	-2,18	,2341	2,889	2,282	-1,66	-4,47	
2[illegible]				,8654	1,575	2,117	,2284	-,976	,6976	-1,66	-2,25	,3488	3,568	2,186	-3,37	-5,61	
252[illegible]				-,813	-,132	,6253	-2,15	2,894	-,739	2,478	2,147	1,984	-1,84	-,955	-3,57	-5,31	
315[illegible]				,4922	,2983	-4,18	-,871	-,135	,3987	1,782	2,888	3,898	-3,17	-,698	-3,21	-5,89	
4022				-2,55	-,693	-5,75	1,048	-2,25	,8771	,7115	,7286	4,281	2,863	,6529	-4,81	-5,99	
5022				-2,81	-1,21	-2,42	,3487	-1,31	-,933	-,237	,9249	-,947	4,886	1,269	-4,81	-6,51	
6322				,4697	-,488	,8432	-2,73	-,582	-,532	1,474	2,295	3,386	1,970	-2,05	-5,85	-6,18	
8022				1,267	-,598	-2,47	-,573	-,336	,8029	1,259	1,586	1,899	2,185	1,564	-4,72	-4,45	
10022				1,858	-1,53	-2,89	-2,38	-,567	-,761	2,828	1,598	2,822	3,478	,5161	-4,73	-4,79	

D17

AMBIENT TEMP, 32,82
WET-BULB TEMP, 32,82
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C 19VS 9 DEG OPEN T/D 2/17/78

RUN#13 RUN#133 SPEED=6922

RADIAL DISTANCE 250

DATE: 2/23/7 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	7.2	12.0	24.0	32.2	42.2	52.2	60.0	72.0	82.2	90.0	100.0	110.0	120.0	130.2	140.2	150.2	160.0	170.0	(PWL)
[illegible]				73.92	73.29	71.87	71.41	71.37	72.65	76.59	74.95	75.74	75.38	77.51	80.84	85.15			134.3
53				72.28	72.09	77.03	72.48	71.59	72.61	85.81	74.62	75.93	77.17	79.05	81.75	84.99			136.9
8[illegible]				70.95	71.79	71.57	71.94	71.89	73.87	74.61	75.20	77.89	77.83	79.69	81.72	83.64			134.6
12[illegible]				72.42	72.42	71.92	73.71	73.38	74.88	75.86	76.84	78.86	80.81	81.84	83.14	84.69			136.8
125				76.42	78.21	73.13	73.82	76.89	77.59	76.19	77.35	80.71	83.59	83.84	84.41	87.48			138.6
162				72.69	72.88	72.77	72.63	73.37	74.88	76.33	76.19	78.83	78.68	80.24	81.61	82.26			139.3
202				72.68	71.61	70.56	71.58	71.45	73.33	77.75	75.19	76.63	77.25	79.86	80.92	78.07			134.1
25[illegible]				71.67	69.37	68.74	68.56	69.44	70.99	73.78	73.52	75.14	74.19	76.49	77.79	76.19			131.7
31[illegible]				71.25	74.82	68.92	67.24	66.82	68.92	71.21	68.85	78.29	69.88	78.24	71.87	71.61			127.9
402				78.29	78.32	78.18	80.54	87.19	87.89	78.69	88.62	78.23	72.89	74.88	73.38	71.88			139.8
502				76.89	76.16	77.58	79.49	75.75	77.23	76.36	77.89	77.63	79.46	81.82	78.89	75.29			144.8
632				78.29	80.34	80.31	80.13	80.38	80.44	80.24	80.28	81.54	82.47	83.33	81.11	77.55			150.4
802				77.64	79.58	76.85	78.95	79.05	78.69	80.51	80.11	82.72	83.33	82.80	81.23	78.98			150.2
1002				76.68	77.85	80.21	79.28	77.98	78.58	78.51	77.83	79.17	80.93	79.68	78.54	77.36			157.7
1252				81.29	85.83	84.47	84.38	81.64	82.69	82.84	85.44	83.58	85.84	85.45	79.03	76.84			148.8
1602				81.22	82.83	81.93	83.45	80.48	82.21	80.79	80.28	82.86	86.12	83.63	80.73	77.59			141.7
2002				78.74	79.98	82.13	81.27	80.67	81.89	79.37	78.93	80.78	84.83	82.86	75.91	75.17			148.2
2502				79.06	79.03	80.68	78.77	82.76	79.32	82.49	82.94	82.39	80.18	79.81	75.93	75.75			148.6
3152				84.07	83.76	79.51	83.27	84.58	85.29	85.89	87.44	86.27	88.89	83.91	80.86	79.59			144.9
4002				85.91	86.78	85.88	92.89	86.86	92.22	88.38	88.81	90.91	88.93	86.21	85.35	83.80			149.8
5002				87.65	89.81	90.32	91.49	90.27	96.83	88.67	92.71	90.99	93.29	90.24	89.38	85.62			152.5
6302				86.25	86.29	87.61	82.47	85.05	83.12	86.92	86.52	88.85	86.76	82.59	79.45	78.84			147.7
8002				83.80	82.88	79.77	81.94	81.89	81.91	82.71	83.49	83.99	82.91	83.46	77.84	76.82			145.9
10002				82.22	79.39	79.56	81.89	80.85	81.86	85.00	86.11	84.83	85.51	84.88	77.61	76.49			146.8
MEASURED OASPL				96.06	96.85	96.49	100.6	96.31	100.2	97.29	98.33	98.87	99.32	98.22	96.88	96.60			
CALCULATED OASPL				94.59	95.14	95.37	95.84	95.24	99.26	96.43	97.39	97.79	98.11	96.94	95.44	95.14			
PWDB				100.7	100.5	100.9	110.9	110.6	114.2	110.4	112.1	112.2	110.6	111.2	100.4	100.2			

OAPWL: 157.7

D18

AMBIENT TEMP, 32.02
WET-BULB TEMP, 30.20
BAM. PRESSURE 28.76
AMB. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 3B + 5C 10VS 9 DEG CPEX T/O 2/17/76

RW =13 RWG=134 SPEED=7100

RADIAL DISTANCE 252

DATE: 2/23/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 7.2	16.2	24.2	32.2	40.2	52.2	64.2	72.2	80.2	92.2	100.0	112.2	120.2	132.2	142.2	150.2	160.2	170.2	(PWL)
50				-2,59	-3,21	-4,64	-5,09	-5,13	-3,86	,0849	-1,56	-,763	-1,28	1,065	4,336	5,643			
63				-6,78	-6,96	-2,83	-6,58	-7,46	-6,45	6,756	-4,44	-3,12	-1,89	-,882	2,892	5,935			
8				-5,70	-4,85	-5,15	-4,70	-4,75	-2,78	-2,04	-1,44	,4386	1,181	3,051	5,872	6,992			
100				-5,57	-5,57	-6,17	-4,27	-4,61	-3,11	-2,13	-1,15	,8713	2,819	3,055	5,153	6,704			
125				-3,98	-2,19	-7,27	-6,58	-4,31	-2,81	-4,20	-3,05	,3111	3,196	3,434	4,809	7,076			
160				-4,31	-4,12	-6,23	-4,37	-3,63	-2,12	-,664	-,849	1,832	1,877	3,241	4,811	5,263			
200				-3,89	-4,17	-5,22	-4,19	-4,33	-2,45	1,972	-,589	,8913	1,478	3,280	5,141	2,289			
250				-1,56	-3,87	-4,49	-4,68	-3,79	-2,25	,5465	,2853	1,989	,9598	3,265	4,554	2,955			
315				1,962	1,534	-,369	-2,85	-2,47	-3,37	1,926	-,443	1,883	,5988	,9562	1,778	2,323			
400				-,048	-,213	-,156	-1,99	-3,15	-2,64	,3613	-1,71	-,183	2,358	3,746	2,966	1,269			
500				-1,18	-1,06	,3616	-1,76	-1,47	,0899	-,855	-,122	,4133	2,246	3,887	1,679	-1,92			
630				-,137	,1719	-,162	-,599	-,362	-,228	-,231	-,211	1,076	1,999	2,867	,6478	-2,92			
800				-2,48	-,533	-3,26	-1,16	-1,06	-1,41	,3927	-,205	2,684	3,217	1,887	1,118	-1,13			
1000				-1,65	-,608	1,755	,7497	-,552	-,1247	,0546	-1,42	,7176	2,481	1,231	,6021	-1,89			
125				-1,78	,7644	1,399	1,237	-1,22	-,373	-,525	,3738	,5171	2,776	2,382	-3,13	-6,92			
1600				-,821	,7864	-,114	1,484	-1,96	,1712	-1,25	-1,77	,8449	4,879	1,589	-1,31	-4,45			
2000				-1,79	-,555	1,681	,7439	,1437	1,361	-1,16	-1,61	,1714	3,495	2,133	-4,63	-5,37			
2500				-1,36	-1,39	,2632	-1,65	2,341	-1,09	2,067	2,515	1,971	-,319	-,612	-4,49	-4,67			
3150				-,313	-,521	-4,87	-1,11	,2037	,9165	1,586	3,057	3,888	-3,49	-,473	-4,29	-4,79			
4000				-2,82	-1,94	-3,64	3,866	-2,66	3,499	-,347	,9878	2,198	,2871	-,512	-3,37	-5,72			
5000				-3,48	-2,27	-,769	-39,6	-,812	5,748	-2,40	1,627	-,881	2,213	-,842	-1,69	-5,45			
6300				1,039	1,279	2,399	-2,74	-,163	-2,09	1,711	1,389	2,838	1,551	-2,61	-5,76	-6,37			
8000				1,959	-,961	-2,88	,8923	-,757	,8617	,8666	1,642	2,159	1,868	1,611	-4,88	-3,83			
10000				-,461	-3,33	-3,12	-,789	-1,83	-1,63	2,319	3,424	1,344	2,838	1,395	-5,88	-6,18			

AMBIENT TEMP. 32.00
ATTENUN TEMP. 30.07
BAR. PRESSURE 28.76
AMB. HUMIDITY 7.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RW=.23 RW=.134 SPEED=7100

RADIAL DISTANCE 250

DATE: 2/27/7[illegible]

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

PHER.	0.0	12.6	24.2	36.8	42.2	54.8	60.2	72.8	90.2	108.2	120.0	126.0	132.2	144.2	150.2	168.0	170.8	(PWL)
5[illegible]				76.32	74.79	73.21	72.87	72.[illegible]	74.87	77.19	75.77	76.92	76.55	78.02	82.13	84.51		139.9
63				75.55	74.84	77.46	74.42	72.[illegible]5	74.84	86.14	76.38	77.33	78.39	86.38	82.84	80.41		137.0
8[illegible]				74.37	73.69	72.77	73.26	72.91	75.31	75.96	76.89	78.67	79.88	81.17	83.46	85.06		136.1
1[illegible]				75.39	74.23	72.77	74.59	74.22	76.01	77.00	78.18	79.36	81.84	82.38	84.78	86.3[illegible]		137.4
125				77.69	73.54	73.24	76.39	74.72	76.49	79.19	79.79	81.54	86.60	84.79	85.92	88.71		140.1
16[illegible]				75.48	73.89	71.66	73.88	73.96	76.32	76.97	77.11	79.13	79.62	81.72	83.81	83.58		134.4
20[illegible]				75.51	72.11	71.85	73.81	72.10	74.48	77.56	75.76	76.51	77.31	78.65	81.79	78.59		134.8
25[illegible]				75.44	71.86	72.59	69.61	71.41	72.89	73.91	75.63	75.86	73.52	79.77	81.03	77.79		133.7
315				74.85	73.22	72.69	68.95	68.13	69.74	72.06	70.83	71.88	78.95	72.25	72.55	73.91		130.3
4[illegible]				77.62	75.26	75.07	72.98	71.79	75.12	75.42	76.89	77.27	76.81	78.57	76.93	75.77		136.3
50[illegible]				78.16	77.86	77.57	76.76	76.88	78.22	78.46	79.12	80.22	80.49	83.81	80.62	78.26		137.6
63[illegible]				78.92	78.5[illegible]	78.99	78.35	79.21	81.89	80.92	81.53	84.26	82.82	85.26	83.42	78.68		140.3
8[illegible]				78.83	79.86	74.58	79.23	77.86	78.99	82.81	82.30	82.17	83.98	84.53	82.81	80.51		138.9
1[illegible]				77.81	77.37	78.31	78.19	78.93	76.59	78.67	77.41	79.79	79.92	79.86	79.81	78.46		137.4
125[illegible]				82.10	82.58	81.25	83.25	82.75	84.69	82.00	82.73	82.87	84.57	86.36	89.37	76.74		140.8
159[illegible]				78.91	78.78	78.92	81.73	78.13	82.91	78.91	78.69	80.47	83.33	82.98	80.15	77.27		138.9
2[illegible]0[illegible]				77.92	78.87	80.24	82.12	82.21	82.67	79.59	79.93	80.54	82.16	80.82	76.63	75.88		140.2
2500[illegible]				78.09	77.14	79.75	80.94	87.72	84.88	83.83	83.83	81.62	78.83	78.82	75.61	74.77		140.1
315[illegible]				82.32	80.98	77.82	84.18	87.89	86.21	86.81	85.41	85.93	78.98	81.69	79.24	78.35		144.9
42[illegible]0[illegible]				85.07	85.87	83.13	88.15	85.59	87.63	87.12	86.79	89.86	88.18	85.26	81.67	81.28		147.4
5[illegible]00[illegible]				88.88	92.64	91.50	99.78	91.61	93.02	87.82	93.78	93.54	96.27	90.36	86.27	85.56		153.7
6300[illegible]				87.31	85.86	86.14	81.93	83.27	81.42	85.18	84.25	86.25	85.59	81.11	79.83	79.22		144.4
8000[illegible]				86.05	86.87	79.93	80.78	81.12	80.72	81.77	82.88	83.11	81.95	81.56	77.59	77.99		145.3
10000[illegible]				82.45	79.95	80.29	80.72	80.65	82.45	84.46	86.35	85.53	87.23	83.29	78.84	77.34		149.3
ENSURED OASPL				98.01	97.36	95.97	98.92	97.43	98.14	96.99	98.27	99.83	100.3	98.38	97.84	97.56		
CALCULATED OASPL				95.08	95.89	94.99	97.89	96.38	97.00	96.08	97.44	97.98	99.24	96.95	95.49	96.89		
PNDB				109.2	111.8	110.1	113.2	111.1	112.1	109.8	112.6	112.9	114.2	111.8	108.1	107.4		

OAPWL: 157.8

AMBIENT TEMP, 32.00
ATMOSPHERE TEMP, 30.00
BAR. PRESSURE 28.76
AES. HUMIDITY 3.612

FAN FAN/COMPRESSOR - PHASE 58 + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RUG=135 SPEED=7300

RADIAL DISTANCE 250

DATE 2/27/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]				-1,48	-2,99	-4,77	-4,91	-5,17	-3,71	-,593	-2,01	-,865	-1,24	1,234	4,343	5,725		
[illegible]				-4,47	-5,99	-2,56	-5,60	-7,08	-5,18	6,117	-3,72	-2,70	-1,63	,3568	2,813	6,385		
[illegible]				-3,52	-4,47	-5,39	-4,[illegible]	-5,26	-2,86	-2,21	-1,28	,4959	,9116	2,996	5,291	6,898		
[illegible]				-4,00	-5,36	-6,62	-4,[illegible]9	-5,19	-3,38	-2,39	-1,21	-,033	1,650	2,911	5,388	7,008		
[illegible]				-4,22	-3,37	-8,65	-5,52	-7,21	-5,42	-2,72	-2,12	-,375	4,687	2,874	3,989	6,795		
16				-2,69	-4,28	-6,51	-4,29	-4,21	-1,86	-1,28	-1,07	,9483	1,447	3,546	4,836	5,399		
[illegible]				-,951	-4,35	-5,41	-3,45	-4,35	-1,98	1,428	-,701	,3468	,8510	3,192	5,309	3,139		
25[illegible]				,2374	-4,14	-4,67	-5,59	-3,79	-2,31	-1,29	,4330	,6584	-1,68	4,570	5,831	2,591		
315				3,644	2,239	-,516	-2,26	-3,08	-1,47	,8509	-,382	,5942	-,261	1,042	1,337	2,701		
4[illegible]				2,229	-,329	-,521	-2,69	-3,80	-,474	-,169	,4989	1,678	1,222	2,979	1,342	,1885		
5[illegible]				-,585	-1,69	-1,18	-1,99	-2,66	-,524	-,285	,3735	1,475	1,747	4,265	1,875	-2,48		
6[illegible]				-2,44	-2,85	-2,37	-3,01	-2,15	,5229	-,438	,1641	2,901	1,457	3,895	2,054	-2,68		
[illegible]				-2,84	-1,81	-6,29	-1,63	-3,00	-1,88	1,144	1,435	1,306	3,037	3,663	1,141	-,359		
[illegible]				-,361	-,796	,1391	,0231	,7634	-1,58	,5022	-,763	1,629	1,749	,8892	,8412	,2869		
125				-2,61	-,223	-1,46	,5456	,0438	1,945	-,707	,0233	,1597	1,868	3,649	-2,34	-5,97		
16[illegible]				-1,34	-1,47	-1,34	1,478	-3,13	2,652	-1,35	-1,56	,2099	3,078	2,272	-,105	-2,98		
2[illegible]				-2,34	-1,39	-,028	1,855	1,948	2,407	-,669	-,329	,2803	1,895	-,244	-3,64	-4,38		
25[illegible]				-3,77	-4,72	-2,11	-,926	5,854	2,222	1,162	1,165	-,246	-3,83	-3,84	-6,26	-7,09		
315[illegible]				-1,63	-2,96	-6,12	,2365	3,945	2,269	2,363	1,471	1,986	-4,96	-2,25	-4,69	-5,44		
4[illegible]				-1,17	-,365	-3,12	1,989	-,648	1,394	,8778	,5488	2,826	1,865	-,977	-4,57	-4,96		
5[illegible]				-4,21	,3536	-,783	3,417	-,675	,7375	-4,46	1,491	1,259	3,986	-1,93	-6,02	-6,72		
63[illegible]				3,384	1,932	2,213	-1,99	-,655	-2,50	1,256	,3238	2,331	1,663	-2,82	-4,89	-4,70		
8[illegible]				4,823	-,377	-1,32	-,463	-,130	-,524	,5238	,7533	1,865	,7042	,3156	-3,65	-3,25		
10000				-,721	-3,22	-2,87	-2,45	-2,52	-,719	1,289	3,179	2,363	4,061	,1311	-4,83	-5,83		

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,00
[illegible] PRESSURE 28,76
[illegible] DIFF 3,912

FAA [illegible] COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

R[illegible] RDG=135 SPEED=7322

RADIAL DISTANCE 250

DATE: 4/27/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 5.7	17.2	28.8	35.7	41.8	52.7	64.4	72.7	87.7	99.2	100.0	110.0	120.0	132.2	142.2	150.2	160.0	170.8	(PWL)
50				72.61	74.36	73.39	73.15	72.83	74.32	77.33	76.55	76.13	77.82	80.22	81.59	96.57			137.8
63				80.32	75.44	78.84	76.12	74.89	76.52	86.89	78.54	79.88	79.72	82.85	86.37	88.19			139.1
80				79.21	73.63	74.14	74.88	73.97	75.83	76.69	77.52	79.63	80.22	82.47	84.91	86.89			137.9
100				79.48	73.38	73.61	75.53	75.47	76.73	77.83	79.04	82.19	81.69	83.67	86.45	87.74			138.7
125				81.29	77.43	74.94	75.98	79.97	77.82	76.75	83.23	85.97	86.42	87.51	86.81	88.73			142.8
160				81.53	73.69	72.15	74.36	74.97	76.68	77.73	78.84	80.49	81.39	83.28	84.65	86.84			139.1
200				81.83	72.83	71.15	72.89	73.34	74.97	76.63	77.85	78.33	79.91	81.91	83.81	81.63			136.6
25				79.77	69.22	67.28	69.85	72.81	72.33	73.95	75.75	76.55	77.26	80.22	82.33	80.14			134.4
315				79.35	71.39	70.23	68.25	68.57	67.74	71.88	71.59	73.91	72.29	73.53	73.76	76.75			131.1
400				79.76	74.13	74.87	72.96	74.58	72.43	72.78	71.89	73.21	74.27	75.22	78.44	77.86			138.7
500				80.87	77.38	76.92	76.98	75.82	76.55	76.63	77.82	77.43	78.38	81.49	78.39	76.26			146.2
630				81.47	78.61	78.27	79.68	80.38	80.84	80.15	79.91	81.39	81.88	84.46	81.75	77.58			139.4
800				79.24	76.12	74.45	78.83	77.86	79.84	82.48	81.73	85.99	86.56	86.13	83.22	79.82			141.3
1000				77.76	76.89	77.68	78.55	75.89	76.29	77.59	75.96	79.87	82.18	82.79	82.29	79.81			138.2
1250				79.48	83.24	81.99	83.30	82.36	84.99	81.48	82.28	80.78	81.48	81.35	78.88	78.85			141.2
1600				77.15	79.33	83.88	82.89	81.64	84.43	81.89	79.57	81.87	84.78	83.18	79.36	76.88			141.4
2000				76.77	80.34	85.83	86.58	86.57	87.66	81.98	80.37	81.67	82.28	80.64	78.87	77.94			148.8
2500				76.84	76.93	82.57	82.27	87.61	81.96	82.81	81.97	80.13	77.75	78.57	75.64	75.59			141.7
3150				80.49	81.43	81.46	87.30	87.44	85.94	83.54	83.81	84.98	77.22	81.59	79.83	78.93			144.2
4000				83.39	84.56	81.86	87.13	82.54	85.96	85.98	83.59	86.94	86.63	85.82	81.85	80.84			145.7
5000				87.84	89.56	92.84	94.24	89.77	95.33	98.95	92.48	92.71	97.78	92.38	88.31	86.56			154.0
6300				84.25	84.29	84.48	82.84	82.83	82.84	84.29	84.44	86.12	85.83	81.91	78.96	79.93			145.8
8000				82.19	81.88	79.88	81.68	80.62	81.86	81.87	81.96	82.66	80.52	81.56	76.96	78.29			144.7
10000				81.37	79.74	79.43	81.85	81.39	84.11	88.84	85.38	87.37	86.38	82.71	78.17	78.45			150.3
MEASURED DASPL				99.47	95.87	96.79	98.71	97.48	99.27	97.46	97.48	98.77	101.2	99.19	98.19	98.73			
CALCULATED DASPL				95.89	94.37	95.71	97.59	96.32	98.25	96.87	96.51	97.81	100.1	97.76	96.59	97.27			
PWL				109.8	109.2	110.6	112.7	110.5	113.4	111.1	111.5	112.4	113.8	112.1	109.2	108.3			

OAPWL: 158.1

AMBIENT TEMP, 32.00
DEWPOINT TEMP, 32.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.812

FAN FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/77

RPM=13 RD3=134 SPEED=7500

RADIAL DISTANCE 252

[illegible] 2/27/7 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	[illegible]	[illegible]	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]				1,351	-4,39	-5,85	-6,12	-6,42	-4,94	-1,92	-2,70	-1,12	-1,43	,9664	4,339	9,316		
[illegible]				-,967	-5,85	-2,45	-5,16	-6,39	-4,76	4,815	-2,75	-1,40	-1,56	,7673	3,091	6,908		
[illegible]				-,324	-5,91	-5,42	-5,46	-5,57	-3,72	-2,84	-2,02	,0956	,6803	2,935	5,371	7,355		
[illegible]				-1,15	-7,25	-7,23	-5,11	-5,17	-3,91	-2,81	-1,59	-,447	1,061	3,039	5,813	7,102		
[illegible]				-2,51	-6,47	-8,96	-7,99	-3,93	-6,28	-5,15	-,673	2,067	4,522	3,613	4,112	4,832		
[illegible]				1,679	-6,16	-7,71	-5,49	-4,88	-3,25	-2,12	-1,81	,6428	1,538	3,425	4,799	6,187		
[illegible]				3,544	-6,24	-7,14	-5,46	-4,95	-3,32	,3446	-1,24	,0384	1,225	3,218	5,513	3,341		
25				3,846	-6,91	-8,65	-6,88	-5,12	-3,59	-1,98	-,176	,6197	1,329	4,286	4,401	4,209		
[illegible]				7,206	-1,44	-2,31	-4,29	-3,97	-4,87	-,662	-,948	1,366	-,254	,9892	1,216	4,206		
42				5,739	,1138	,0497	-1,06	-3,52	-1,59	-1,24	-2,13	-,886	,2443	1,197	2,614	3,034		
[illegible]				2,657	-,236	-,488	-,832	-1,59	-,859	-,778	-,391	,8144	,9630	4,084	,9766	-1,15		
63				1,053	-1,81	-2,15	-,739	-,118	-,382	-,271	-,589	,9724	1,383	4,036	1,326	-2,84		
[illegible]				-3,12	-6,04	-7,71	-4,13	-4,29	-3,12	,2420	-,426	3,808	4,424	3,971	1,058	-2,34		
[illegible]				-1,14	-2,21	-1,29	-,346	-3,01	-2,61	-1,29	-2,93	,9734	3,283	3,896	3,392	,9895		
125				-2,23	1,525	,1384	1,682	,6512	3,276	-,229	,5410	-1,01	-,260	-,359	-3,03	-3,66		
160				-4, 8	-2,40	1,275	1,167	-,892	2,746	-,142	-2,16	,1436	2,994	1,404	-2,37	-5,05		
[illegible]				-7,09	-3,51	1,972	2,645	4,712	3,805	-1,95	-3,49	-2,18	-1,57	-3,22	-3,99	-5,92		
252				-5,44	-4,94	1,097	,7975	6,143	,4904	,5364	,5014	-1,34	-3,72	-2,90	-5,83	-5,87		
315				-3,16	-2,22	-2,19	3,651	3,789	2,286	-,113	,1633	1,251	-6,42	-2,05	-4,62	-4,72		
[illegible]				-1,28	-,055	-2,75	2,512	-2,07	1,347	1,285	-1,02	2,329	2,011	,4027	-3,56	-3,77		
[illegible]				-4,75	-3,03	-,541	1,652	-2,81	2,745	-1,64	-,157	,1284	5,192	-,239	-4,28	-6,08		
[illegible]				,9292	,9502	1,134	-,508	-,518	-1,31	,9422	1,100	2,779	1,690	-1,43	-4,38	-3,41		
[illegible]				1,510	,3994	-,877	,9401	-,057	,4046	1,194	,3748	1,976	-,156	,8818	-3,72	-2,39		
[illegible]				-2,55	-4,38	-4,68	-2,29	-2,72	-,007	4,723	1,265	3,254	2,188	-1,41	-5,95	-5,66		

[illegible] TEMP. 32,02
[illegible] TEMP. 30,00
[illegible] PRESSURE 28,76
[illegible] HUMIDITY 3,912

[illegible] - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/76

[illegible] RUG=136 SPEED=7502

RADIAL DISTANCE 258

DATE: 2/27/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RPM	ANGLES FROM INLET 12,2	17,2	22,2	32,2	42,2	52,2	62,2	72,2	82,2	92,0	100,0	110,0	120,0	130,0	142,2	150,2	160,0	170,8	(PWL)
5				75,52	75,47	74,09	73,92	74,39	75,68	78,37	77,94	79,23	79,24	81,72	84,97	89,35			139,9
63				74,69	74,92	78,41	75,89	76,09	76,91	87,04	79,11	88,88	88,97	83,70	86,11	89,48			148,1
8				73,83	74,52	74,92	75,35	75,33	77,24	78,21	79,06	81,04	81,61	84,86	86,48	88,32			138,8
12				74,91	75,18	74,59	76,33	76,43	78,14	78,91	80,21	81,48	83,24	85,03	87,76	89,26			139,9
125				81,62	83,74	79,42	79,35	81,69	82,71	79,58	88,61	86,88	86,32	87,84	88,87	89,32			148,2
16				75,67	75,88	72,69	75,68	76,34	77,99	78,62	79,13	81,24	81,79	83,63	84,94	85,63			138,4
20				74,72	73,41	71,43	74,87	74,63	76,25	79,53	77,89	78,48	78,94	81,85	82,95	86,36			136,2
25				72,89	72,72	68,26	71,42	72,58	73,27	74,37	75,87	75,35	74,94	78,02	79,87	77,93			133,1
315				72,25	72,46	71,56	69,91	69,73	69,48	72,66	72,78	73,87	73,97	75,58	75,96	78,89			131,1
40				74,88	74,45	76,71	73,29	70,98	73,75	74,18	74,86	77,17	79,87	81,71	88,48	78,55			138,4
50				77,41	77,73	78,22	78,32	76,95	79,13	77,82	77,74	88,83	83,84	85,46	82,98	79,87			146,9
63				78,02	78,11	76,83	80,18	79,79	80,27	88,79	88,43	82,79	83,48	85,43	84,89	81,31			148,2
80				77,58	77,87	75,17	79,34	80,98	79,97	87,03	84,84	83,21	84,80	84,61	81,67	82,69			141,9
100				74,45	79,84	81,81	84,15	81,57	81,92	88,27	78,99	79,87	88,25	81,78	79,55	77,35			139,7
125				78,63	84,44	89,51	93,25	92,95	92,34	90,21	86,64	87,33	87,37	86,84	84,27	88,10			148,6
160				76,84	79,29	82,88	86,77	83,87	86,84	83,55	82,57	82,83	83,93	88,85	81,42	78,96			148,8
200				77,17	88,81	86,40	88,63	88,69	91,84	83,91	88,56	81,17	83,19	81,74	78,32	76,79			148,3
252				75,49	76,39	79,32	80,81	84,69	88,16	83,29	79,47	79,39	77,82	76,37	79,58	74,41			148,8
315				80,71	81,76	79,59	85,86	87,17	84,73	84,88	82,36	83,67	76,93	88,31	78,68	77,95			148,4
400				82,63	84,87	80,42	87,18	83,48	85,79	86,89	82,23	85,36	84,19	83,14	79,94	79,37			149,8
500				86,85	88,23	89,85	93,10	88,79	91,52	90,10	92,87	91,31	95,56	89,26	85,68	85,38			158,1
630				84,56	84,38	83,27	81,61	82,84	81,92	83,56	82,88	85,88	83,87	79,98	78,14	77,79			144,9
800				81,36	81,12	78,76	81,60	81,26	82,31	81,14	88,74	82,64	79,61	88,89	77,79	76,86			144,6
1000				79,82	79,81	77,59	81,46	80,14	83,13	85,05	83,39	87,86	85,71	81,29	77,76	77,86			148,8
MEASURED OASPL				95,89	96,28	96,93	100,1	99,88	99,75	98,86	97,71	98,85	100,3	99,87	98,76	99,43			
CALCULATED OASPL				93,88	94,51	95,75	98,81	97,78	98,49	97,77	96,54	97,69	98,93	97,47	97,88	97,88			
PNDB				107,2	108,8	109,7	112,7	110,6	112,0	111,4	111,4	111,8	113,7	110,6	108,4	107,8			

OAPWL: 157,8

AMBIENT TEMP, 32,02
WET-BULB TEMP, 32,02
BAR. PRESS RE 28,76
ABS. HUMIDITY 3,912

FAN 1A /CD PRESSUR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN:13 RLS=137 SPEED=7702

RADIAL DISTANCE 250

DATE: 2/27/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 4.7	17.2	23.6	30.0	41.2	52.0	62.7	70.2	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5[illegible]				-4,52	-4,68	-6,14	-6,23	-5,75	-4,46	-1,78	-2,28	-,913	-,918	1,575	4,825	9,289		
63				-7,51	-7,29	-3,79	-6,32	-6,11	-5,29	4,839	-3,89	-2,18	-1,24	1,494	3,993	7,273		
8[illegible]				-7,21	-6,33	-5,93	-5,49	-5,51	-3,61	-2,83	-1,79	,1938	,7689	3,216	5,838	7,475		
12[illegible]				-6,97	-6,71	-7,28	-5,55	-5,45	-3,74	-2,97	-1,68	-,398	1,354	3,152	5,882	7,379		
125				-2,46	-,328	-4,63	-4,67	-2,36	-3,34	-4,48	-3,45	2,021	2,268	3,752	4,816	5,265		
167				-4,45	-5,04	-7,44	-4,44	-3,78	-2,13	-1,51	-,993	1,117	1,663	3,718	4,816	5,589		
20[illegible]				-3,15	-4,46	-6,44	-3,88	-3,23	-1,62	1,662	,8289	,8228	1,867	3,179	3,879	2,492		
25[illegible]				-1,73	-3,89	-6,56	-3,22	-2,64	-1,35	-,249	1,251	,7241	,3234	3,482	4,444	3,311		
315				-,321	-,287	-,991	-2,64	-2,82	-3,87	,1159	,2326	,5233	1,424	3,027	3,489	2,544		
40[illegible]				-1,79	-2,21	,0382	-3,38	-5,68	-2,92	-2,48	-2,11	,5877	2,899	5,848	3,813	1,865		
502				-2,68	-2,36	-1,86	-1,77	-3,13	-,954	-2,27	-2,19	,8389	2,948	5,371	2,814	-,416		
63[illegible]				-3,19	-3,11	4,39	-1,83	-1,43	-,947	-,422	-,788	1,576	2,162	4,217	3,881	,8949		
80[illegible]				-5,28	-5,71	-7,61	-3,44	-1,82	-2,81	4,249	1,261	3,425	1,222	1,831	-1,11	-,183		
1[illegible]				-6,83	-1,43	1,341	3,679	1,092	1,449	-,199	-1,46	-,606	-,219	1,384	-,921	-3,13		
125[illegible]				-12,5	-4,69	,3695	4,114	3,814	3,201	1,873	-2,49	-1,88	-1,77	-3,88	-4,87	-6,84		
160[illegible]				-6,27	-3,82	-,835	3,661	,7587	3,128	,4344	-,980	-,587	,8198	-1,88	-1,69	-4,16		
200[illegible]				-8,14	-5,30	1,794	3,322	3,386	5,732	-1,39	-4,78	-4,19	-2,12	-3,57	-6,89	-8,52		
250[illegible]				-4,34	-3,44	-,512	,9785	4,868	,3199	3,456	-,362	-,443	-2,82	-3,46	-4,26	-8,43		
315[illegible]				-2,17	-1,11	-3,28	2,182	4,291	1,897	2,884	-,519	,7956	-8,94	-2,57	-3,19	-4,93		
4[illegible]				-1,29	,9527	-3,51	3,294	-,446	1,864	2,178	-1,69	1,439	,2768	-,784	-3,98	-4,55		
5[illegible]				-4,65	-2,46	-,846	2,486	-1,91	,8838	-,592	1,373	,6172	4,869	-1,43	-8,02	-8,39		
630[illegible]				2,809	1,592	,7784	-,879	,3522	-,565	1,868	,3921	2,592	1,378	-2,51	-4,35	-4,69		
8[illegible]				,8154	,5803	-1,78	1,863	,7198	1,772	,6832	,1941	2,897	-,989	,3444	-2,75	-3,68		
1000				-2,79	-3,68	-5,82	-1,15	-2,47	,5219	2,438	,7778	4,458	3,184	-1,32	-4,85	-8,55		

AMBIENT TEMP, 32,82
WET-BULB TEMP, 32,80
BAR. PRESS SE 28,76
ABS. HUMIDITY 3,912

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RL =13 RL =137 SPEED=7762

RADIAL DISTANCE 252

DATE: 2/25/7 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	0.0	12.2	24.4	36.7	48.9	61.2	73.4	85.7	97.9	110.2	122.4	134.6	146.9	159.1	171.3	178.9	(PWL)
PRES.																	
5%				75.88	75.64	75.13	75.58	77.48	76.71	78.92	79.15	80.71	80.56	83.11	86.38	90.75	139.8
63				73.62	74.65	78.35	76.74	78.02	77.62	87.07	79.56	80.94	82.31	85.06	87.98	91.62	141.3
8				73.94	74.98	76.37	76.87	76.69	78.74	79.68	82.67	92.79	83.65	85.86	88.19	90.32	140.4
10%				75.27	75.82	76.49	78.52	80.36	79.86	82.92	82.09	83.51	84.91	87.84	89.88	91.91	141.0
125				84.26	86.85	88.79	89.89	90.21	86.86	83.26	82.79	85.37	86.88	88.49	89.26	91.88	148.7
16%				77.29	79.33	78.08	79.98	81.61	80.54	80.59	80.94	83.45	83.97	85.95	87.31	88.39	140.9
22%				75.91	74.42	73.01	75.54	78.63	78.01	80.51	79.22	80.46	81.32	83.25	85.77	83.18	138.4
25%				74.23	70.58	69.18	71.09	77.21	75.62	78.15	77.20	76.37	76.77	78.74	79.66	78.74	134.7
315				72.14	72.86	72.88	71.23	75.99	78.73	74.19	73.46	75.88	78.35	77.79	76.97	76.79	138.0
40%				75.32	74.17	78.32	77.38	78.26	78.59	75.67	78.81	81.12	81.32	84.71	82.52	80.37	139.9
50%				77.48	79.55	79.27	79.89	81.51	79.79	79.44	80.96	84.08	85.30	87.84	84.79	80.46	141.1
63%				79.11	79.66	79.93	83.87	86.84	86.12	85.36	84.11	85.78	86.16	87.98	86.86	82.37	143.6
80%				79.61	80.96	76.62	80.64	82.67	82.01	83.02	82.33	84.73	84.49	82.79	84.00	82.27	141.6
100%				77.26	79.68	84.79	87.51	84.38	80.98	82.12	79.42	81.67	81.72	82.33	79.94	78.38	141.8
125%				88.78	89.16	86.49	93.41	95.86	94.72	89.16	88.14	86.49	89.58	88.18	86.88	81.39	149.7
160%				78.42	88.86	85.85	88.26	86.73	86.21	83.71	81.18	82.79	85.95	83.27	82.84	78.99	148.9
200%				78.89	82.81	84.43	89.48	89.93	87.86	82.73	80.82	82.42	83.88	82.13	80.31	77.89	144.7
250%				76.41	77.37	80.52	88.96	87.42	81.89	81.97	80.89	79.96	78.27	78.29	76.34	75.46	141.1
315%				80.54	81.57	80.85	84.85	87.79	82.89	83.14	82.32	83.76	77.94	81.75	79.79	78.49	143.3
400%				82.97	84.77	80.43	86.32	85.27	85.86	84.77	82.97	85.29	83.67	84.28	80.19	80.86	144.9
500%				85.37	87.88	88.31	90.81	90.81	90.94	87.69	90.21	92.32	95.43	89.72	84.91	84.32	151.4
630%				82.89	81.41	83.29	88.72	85.54	81.68	83.38	83.38	84.48	85.39	81.94	78.19	78.15	148.2
800%				83.81	82.23	79.66	81.87	84.42	82.26	82.14	82.59	82.11	79.83	81.95	76.64	77.49	148.8
1000%				78.88	78.62	77.79	79.68	85.90	80.92	84.31	83.38	80.84	85.88	81.64	77.47	77.29	148.8
MEASURED OASPL				95.26	97.68	97.36	102.6	101.9	100.3	98.37	97.69	99.66	101.1	100.4	100.4	101.1	
CALCULATED OASPL				93.37	96.22	96.13	99.38	100.5	99.08	97.27	96.34	98.35	99.16	98.78	98.61	99.48	
PNDB				107.2	109.1	109.5	112.1	113.2	111.9	110.3	110.7	112.6	114.2	111.6	108.9	108.8	
																OAPWL:	158.3	

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.02
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA HA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RX =.3 RDG=138 SPEED=7982

RADIAL DISTANCE 250

DATE: 2/25/70

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FRE	0,0	12,0	24,0	32,0	42,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0 (PWL)
50				-5,07	-5,84	-6,35	-5,89	-3,99	-4,77	-2,56	-2,33	-,769	-,915	1,632	4,828	9,277		
63				-9,63	-8,81	-5,11	-6,72	-5,44	-5,84	3,609	-3,88	-2,52	-1,14	1,599	4,518	8,359		
80				-8,68	-7,69	-6,36	-5,79	-4,28	-3,91	-2,99	-1,99	,1242	,9848	3,196	5,534	7,639		
100				-8,76	-8,21	-7,35	-5,32	-3,47	-3,98	-2,92	-1,75	-,319	1,079	3,269	6,042	7,173		
125				-3,28	2,314	1,249	2,351	2,665	-,678	-4,28	-4,75	-2,17	-1,46	,9453	1,722	3,465		
160				-5,42	-3,39	-4,64	-2,74	-1,11	-2,18	-2,13	-1,78	,7325	1,251	3,230	4,589	5,674		
200				-4,11	-5,60	-7,01	-4,48	-1,39	-2,01	,4843	-,805	,3811	1,382	3,227	5,752	3,160		
250				-2,21	-5,65	-7,06	-5,15	,9717	-,620	1,911	,9657	,1330	,5318	2,498	3,421	2,498		
315				-2,14	-2,22	-1,41	-3,05	1,739	-3,55	-,088	-,828	,7922	1,065	3,503	2,681	2,511		
400				-3,99	-5,13	-,985	-1,99	-1,25	-3,75	-3,63	-1,29	1,818	2,817	5,409	3,214	1,870		
500				-4,84	-2,77	-2,55	-2,63	-,812	-2,53	-2,68	-1,37	1,680	3,063	5,537	2,471	-1,87		
630				-5,59	-5,04	-4,76	-,821	2,148	1,429	,6654	-,581	1,809	1,469	2,387	2,171	-2,33		
800				-3,53	-1,57	-5,92	-1,90	,1270	-,524	,4812	-,205	4,196	1,949	,2517	1,462	-,272		
1000				-5,22	-2,60	2,517	5,231	1,806	-1,29	-,159	-2,85	-,613	-,555	,0516	-2,34	-3,89		
1250				-9,46	-1,08	-3,55	3,169	4,839	4,485	-1,08	-5,10	-3,74	-,655	-2,12	-4,19	-8,89		
1600				-5,78	-3,34	,8495	4,856	2,531	2,812	-,494	-3,03	-1,40	1,744	-,988	-2,17	-5,21		
2000				-3,69	-2,77	-,346	4,623	5,149	2,281	-2,05	-4,75	-2,35	-,976	-2,64	-4,47	-7,69		
2500				-4,52	-3,56	-,412	,0354	6,488	,1706	1,843	-,832	-,969	-2,66	-2,64	-4,59	-5,46		
3150				-2,17	-1,14	-2,66	2,229	5,077	,1766	,4253	-,401	1,842	-4,78	-,987	-2,93	-4,83		
4000				-,905	,8949	-3,45	2,448	1,398	1,982	,8972	-1,30	1,418	-,202	,4052	-3,68	-3,79		
5000				-4,79	-2,36	-1,85	,6540	,6467	,7788	-2,47	,0467	2,140	5,273	-,442	-5,65	-5,86		
6300				,1759	-1,31	,5801	-1,99	2,825	-1,11	,6331	,6522	1,766	2,640	-,772	-4,52	-4,59		
8000				-,387	-,965	-1,54	-,124	3,220	1,859	,9385	1,390	,9153	-1,37	,7521	-4,56	-3,51		
10000				-3,75	-4,21	-4,85	-2,95	3,268	-1,71	1,878	,7471	3,400	3,169	-,991	-5,16	-5,34		

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,07
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RC =13 RJS=138 SPEED=7900

RADIAL DISTANCE 256

DATE: 2/27/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 1.0	10.0	20.0	30.0	42.0	52.0	64.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5				76,57	76,62	76,11	75,98	76,43	77,62	79,49	79,58	80,99	80,88	83,69	87,39	91,85			140,1
63				73,99	75,79	78,59	77,40	77,11	78,18	87,23	88,46	81,83	82,69	85,29	88,75	92,95			141,9
8				75,52	76,83	77,62	77,78	78,08	80,10	82,76	81,59	83,93	84,45	86,94	89,72	91,52			141,8
1				76,24	76,88	77,55	79,43	79,54	80,51	81,56	82,98	84,68	86,39	88,56	91,39	92,37			143,1
125				85,67	89,40	83,31	84,30	87,19	87,85	86,06	90,46	90,61	90,19	91,72	91,53	93,23			147,1
160				79,84	82,92	77,82	79,71	81,62	82,93	82,54	84,98	86,19	86,32	88,30	88,89	89,76			142,9
200				76,81	75,39	74,48	76,86	77,37	79,29	81,46	81,87	81,81	82,84	84,99	87,83	83,96			139,8
250				74,08	72,06	72,49	72,95	74,69	76,38	76,89	80,02	80,49	78,44	81,66	81,94	81,42			134,8
315				73,81	74,59	74,51	72,34	72,62	71,94	74,70	75,89	77,25	75,75	77,78	78,96	78,49			133,8
400				77,25	78,43	80,64	78,27	76,89	75,75	77,54	77,81	79,68	81,25	84,64	82,83	80,77			138,8
500				82,87	87,57	85,87	85,99	86,41	83,39	83,65	85,31	84,68	85,43	89,41	86,54	82,23			144,4
630				80,58	82,92	81,78	83,68	84,76	83,75	83,76	84,17	86,36	86,95	88,96	87,33	84,82			142,7
800				78,99	77,74	80,69	81,19	81,11	83,07	86,31	85,71	98,02	85,19	85,86	84,78	84,44			143,1
1000				77,93	81,57	84,78	85,48	84,66	82,02	82,52	80,63	81,97	82,89	82,95	81,88	80,85			141,7
1250				81,56	85,52	87,48	93,19	92,45	92,11	89,63	86,28	89,12	89,38	89,91	87,89	82,98			146,8
1600				78,16	81,71	83,47	84,43	84,22	85,56	82,81	82,98	85,03	85,19	84,88	83,25	80,29			140,1
2000				78,71	79,79	82,08	83,43	82,18	85,34	81,63	80,47	86,94	83,68	81,35	79,69	77,33			141,6
2500				76,33	77,71	81,25	79,43	83,29	79,73	81,09	82,86	80,52	78,67	77,78	77,08	76,32			140,2
3150				80,75	80,65	78,39	82,84	83,51	82,68	82,32	83,54	84,38	78,39	81,49	80,87	79,82			142,3
4000				81,88	83,59	78,86	84,32	80,46	84,72	84,01	82,87	86,88	83,94	83,92	81,39	80,21			144,8
5000				93,65	84,79	86,19	88,39	88,87	90,41	88,82	90,43	89,43	94,19	87,79	82,76	81,49			150,3
6300				81,22	81,56	83,08	80,94	82,14	82,63	82,75	84,74	85,35	85,74	81,45	79,31	77,61			142,1
8000				78,85	79,46	78,14	80,61	79,67	81,87	81,79	83,53	83,13	80,88	81,80	77,96	75,99			144,6
10000				76,98	77,75	75,88	77,92	79,01	82,28	82,08	83,45	84,66	84,13	80,74	77,47	75,87			147,1
MEASURED OASPL				95,19	97,66	96,77	98,98	99,05	99,38	98,95	99,34	100,2	101,1	101,4	101,6	102,5			
CALCULATED OASPL				93,51	95,96	95,54	97,78	98,01	98,23	97,64	98,17	99,07	99,75	99,89	99,92	100,8			
PNDB				106,3	107,9	106,5	110,3	110,6	111,6	110,6	111,7	111,9	113,7	111,1	108,8	107,6			
																		OAPWL:	117,9

AMBIENT TEMP, 36,02
AMBIENT TEMP, 36,02
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,612

FAA E3 /CC-PRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RC =13 RUN=130 SPEED=8102

RADIAL DISTANCE 25R

DATE 2/27/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 13,2	21,4	38,1	46,2	54,3	62,3	70,3	82,2	98,2	122,2	110,3	120,0	130,0	142,7	150,3	166,2	170,8	(PWL)
5			-5,73	-5,68	-6,19	-6,32	-5,86	-4,69	-2,61	-2,71	-1,38	-1,42	1,394	5,098	9,569			
63			-18,1	-8,32	-5,52	-6,71	-7,01	-5,93	3,211	-3,65	-2,29	-1,42	1,178	4,838	8,833			
8			-8,32	-6,99	-6,19	-6,85	-5,75	-3,72	-2,86	-2,25	,1892	,6293	3,112	5,498	7,697			
1%			-8,86	-8,22	-7,54	-5,67	-5,55	-4,58	-3,53	-2,11	-,419	1,298	3,467	6,385	7,288			
125			-3,25	,4885	-5,67	-4,61	-1,72	-1,77	-2,86	1,545	1,694	1,283	2,885	2,615	4,314			
160			-4,89	-2,23	-6,91	-5,82	-3,11	-1,79	-2,19	,1745	1,463	1,391	3,458	4,163	5,837			
200			-4,44	-5,85	-6,79	-4,36	-3,88	-1,95	,2133	-,188	,3651	1,502	3,736	5,764	2,789			
250			-3,32	-5,94	-7,51	-5,06	-3,31	-1,62	-1,12	2,089	2,448	,4295	3,193	3,938	3,417			
315			-1,47	-,588	-,763	-2,93	-2,66	-3,33	-,573	,6139	1,978	,4769	2,502	3,887	3,219			
400			-2,27	-1,09	1,116	-1,28	-2,64	-3,77	-1,98	-2,52	,8799	1,728	3,119	3,389	1,251			
500			-3,55	1,949	,2498	,3492	2,785	-2,23	-1,97	-,315	-1,82	-,195	3,792	,9134	-3,39			
630			-4,29	-1,88	-3,02	-1,12	-,838	-1,85	-1,84	-,825	1,559	2,154	4,194	2,527	-,782			
800			-5,82	-6,25	-3,37	-2,82	-2,91	-,943	2,295	1,693	4,887	1,176	1,844	,7689	,4289			
1,00			-4,48	-,837	2,371	3,868	2,255	-,385	,1128	-1,78	-,448	-,322	,9449	-,527	-2,36			
1,25			-7,84	-3,88	-1,92	3,797	3,832	2,789	,2323	-3,19	-,278	-,875	,5126	-1,91	-6,42			
1,60			-5,21	-1,66	,0923	1,859	,8403	2,285	-1,37	-,399	1,658	1,811	,6277	-,128	-3,88			
2,00			-2,98	-1,89	,3924	1,743	,9815	3,661	-,856	-1,21	-,746	1,969	-,332	-1,99	-4,35			
2522			-3,65	-2,26	1,278	-,545	3,324	-,237	1,123	2,898	,9449	-1,38	-2,19	-2,17	-3,65			
3150			-,969	-1,87	-3,33	1,122	1,788	,9569	,5982	1,816	2,657	-3,33	-,221	-,852	-2,72			
4000			-1,46	,5543	-4,18	1,278	-2,58	1,678	,9724	-,171	3,845	,8972	,8818	-1,69	-2,83			
5000			-5,75	-4,81	-2,61	-,489	,8741	1,615	-,181	1,634	,6349	5,482	-1,81	-6,04	-7,31			
6302			-1,41	-1,66	,4524	-1,69	-,485	,8732	,1176	2,109	2,723	3,189	-1,17	-3,32	-5,62			
8000			-1,72	-1,12	-2,43	,8515	-,985	1,381	1,217	2,957	2,555	-,494	,5073	-2,98	-4,59			
10000			-4,85	-3,22	-5,06	-3,93	-1,93	1,333	1,857	2,503	3,711	3,183	-,288	-3,47	-5,87			

AMBIENT TEMP, 32,00
PLENUM TEMP, 32,22
AMB. PRESSURE 29,76
AMB. HUMIDITY 3,012

FAN RIG PRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/76

SPEED 8102 BLADE SPEED

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RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

	1	2	3	4	5	6	7	8	9	120	130	140	150	160	170	(PWL)
			77,56	77,97	76,77	77,55	77,68	78,29	79,49	86,75	81,74	81,92	88,33	88,60	93,56	141,4
			75,31	75,49	79,19	78,36	77,34	79,27	80,54	81,24	81,79	83,63	86,87	89,72	94,09	142,8
			76,83	78,21	78,25	79,67	79,23	80,22	81,25	81,33	83,42	85,16	87,49	90,49	92,91	142,9
			76,91	77,23	77,79	79,62	79,11	82,34	84,77	82,96	83,84	86,09	88,26	91,53	92,65	143,2
		125	86,24	83,36	79,99	82,19	82,49	83,44	87,84	91,75	92,13	93,85	92,77	92,47	93,45	149,8
		16	79,45	81,56	78,48	80,87	81,35	82,47	86,31	89,74	90,94	91,01	90,91	90,29	90,71	145,6
		2	76,69	76,79	75,72	77,98	77,83	79,83	81,51	81,89	81,77	82,15	85,12	87,59	85,64	139,9
		25	75,24	74,22	72,51	74,49	74,83	76,35	78,74	79,34	79,34	80,21	81,27	82,21	139,9	
		315	74,55	74,82	73,88	73,49	72,78	73,83	77,44	76,84	77,51	78,69	80,68	79,64	78,69	138,8
		49	82,33	82,82	84,59	85,85	80,34	82,31	85,93	78,75	81,14	85,68	87,14	84,83	81,38	142,1
		5	81,53	81,72	84,47	82,12	82,71	81,96	82,92	82,64	84,89	87,84	89,81	86,69	94,43	148,1
		6	82,27	84,35	85,53	85,44	87,48	85,94	87,33	86,69	87,03	87,92	88,96	87,92	85,99	149,3
		8	79,00	82,84	81,92	83,86	86,19	83,69	86,24	85,19	85,91	86,89	83,93	85,27	85,27	145,6
		1	79,46	81,74	85,89	85,27	83,62	82,49	82,68	82,48	82,13	83,92	85,87	82,29	81,82	144,3
		125	86,41	90,84	89,45	89,67	90,59	87,36	90,29	83,58	85,85	89,27	87,87	85,92	83,43	147,4
		15	79,62	83,29	82,63	83,44	82,68	82,52	83,47	81,43	84,31	86,43	85,01	82,76	83,82	146,8
230		2	78,87	81,11	83,47	81,83	82,92	81,87	81,28	82,39	81,54	85,83	83,75	79,89	88,75	141,8
		25	78,33	80,11	81,83	78,82	83,19	78,74	83,47	82,92	81,34	80,56	79,42	78,85	82,23	140,9
		315	82,62	82,37	80,08	81,69	84,08	81,21	84,69	84,43	84,79	79,28	81,93	80,71	81,41	142,9
		4	82,69	84,18	80,32	83,76	81,68	84,29	85,58	84,84	85,98	84,88	83,59	81,29	81,72	144,8
		5	83,49	85,33	86,57	85,73	90,91	92,38	91,63	96,54	98,69	97,88	87,54	82,69	92,72	152,9
		6	81,17	81,61	83,28	80,31	84,56	84,85	87,18	88,69	86,36	89,38	83,13	82,93	80,84	149,5
		8	79,45	79,66	79,81	80,59	81,49	82,25	84,91	83,68	84,44	81,22	81,79	78,92	78,84	148,7
		12	77,25	77,49	76,92	77,84	81,46	81,84	85,27	85,91	85,54	85,12	82,43	81,11	80,85	148,7
			95,59	97,99	97,91	98,38	98,98	98,88	100,5	101,5	100,9	102,7	101,9	102,6	104,2	
			93,83	96,19	96,45	96,56	97,84	97,56	99,52	100,6	99,63	101,9	100,5	100,5	101,6	
			105,9	108,7	109,1	104,9	111,7	112,1	113,1	113,1	112,5	113,9	111,5	109,1	109,2	

OAPWL: 159,1

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	32,0
	30,87
	29,75
	3,013

T/D 2/17/76

RADIAL DISTANCE 256

PAGE: 2

5/13/7

SOUND PRESS RE LEVELS DIRECTIVITY INDEX

	ANGLES FROM I SET																
	0,0	12,	24,2	36,0	48,	60,0	72,0	84,	96,	108,0	120,0	132,0	144,0	156,0	168,	180,0 (PWL)	
		-6,12	-6,65	-6,84	-6,27	-6,54	-5,34	-4,13	-2,64	-1,86	-1,78	1,766	4,979	9,939			
		-9,57	-8,42	-5,72	-6,54	-7,75	-5,84	2,223	-3,87	-3,19	-1,28	1,891	4,689	9,183			
		-7,93	-6,55	-6,34	-5,49	-6,33	-4,34	-3,28	-3,23	-1,14	,6022	2,935	5,926	9,353			
		-8,23	-7,91	-7,34	-5,52	-6,43	-4,75	-3,37	-2,28	-1,29	,9508	3,116	6,686	7,522			
	125	-9,15	-6,23	-9,36	-7,19	-6,89	-5,95	-1,59	2,362	2,749	3,666	3,329	3,488	4,266			
	16	-8,47	-5,96	-9,64	-6,86	-6,17	-5,66	-1,21	2,219	3,417	3,489	3,392	2,966	3,189			
	2	-3,43	-4,74	-5,51	-3,55	-3,69	-2,45	-,813	-,434	,2423	,6291	3,988	6,259	3,587			
	2	-2,19	-3,41	-6,92	-3,62	-2,69	-1,64	1,331	1,922	1,928	-1,66	2,782	3,839	2,578			
	3.5	-1,73	-1,79	-2,71	-3,09	-3,61	-2,74	,8473	-,547	,9246	2,181	4,293	3,747	2,169			
	4	-1,19	-,695	1,283	1,539	-3,17	-1,21	2,419	-4,77	-2,37	2,165	3,621	1,319	-2,13			
	5	-2,78	-2,59	,1593	-2,19	-1,69	-2,36	-1,39	-1,67	-,288	2,726	5,498	2,292	-,279			
	6.3	-4,28	-1,99	-,828	-,914	1,847	-,382	,9731	-,257	,8716	1,567	2,663	1,362	-,365			
	8	-4,61	-1,62	-2,54	-,681	1,737	-,759	1,782	,7327	1,459	1,636	-,525	,8135	,8286			
	10	-3,54	-1,27	2,854	2,267	,6142	-,565	-,319	-2,62	-,874	,9216	2,871	-,713	-1,18			
	125	-5,52	2,124	1,532	1,749	2,661	-,554	2,376	-4,34	-2,67	1,153	-,949	-1,99	-4,49			
	16	-3,49	,1787	-,485	,3186	-,439	-,399	,3589	-1,69	1,195	3,313	1,893	-,361	-,896			
D31	20	-2,93	-,693	1,869	,8345	1,122	,2894	-,522	-1,48	-,259	3,231	1,948	-1,91	-1,02			
	25	-2,42	-,634	1,697	-1,92	2,447	-2,21	2,725	2,177	,5928	-,187	-1,34	-3,89	-,512			
	315	-,343	,2126	-2,28	-,669	1,716	-1,15	2,332	2,278	2,388	-3,16	-,436	-1,66	-,955			
	4	-,963	,5218	-3,34	,1768	-1,98	,6391	2,924	,3793	2,297	1,225	-,858	-2,41	-1,94			
	5	-7,97	-6,14	-4,89	-5,74	-,662	,9288	,1833	5,878	-,852	5,615	-3,93	-8,78	-8,75			
	63	-3,85	-3,41	-1,74	-4,71	-,457	-,969	2,161	3,666	1,834	4,284	-1,69	-4,29	-4,14			
	8	-2,56	-1,85	-2,71	-1,12	-,221	,5412	3,202	1,968	2,731	-,492	,2797	-2,79	-2,87			
	10	-5,49	-5,22	-5,61	-4,68	-1,66	-,685	2,549	3,391	3,817	2,595	-,290	-1,42	-2,47			

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[illegible]	32,89
[illegible]	97,07
[illegible] PRESS [illegible]	25,75
[illegible]	3,212

FAA FA[illegible]/COMPRESSOR - PHASE 5B + 5C INVS 9 DEG OPEN T/D 2/17/76

[illegible] [illegible] SPEED=8630

RADIAL DISTANCE 250

DATE: 3/23/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.0	12.0	22.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				79,82	79,17	76,89	77,83	77,36	78,66	79,89	81,83	82,28	81,85	84,58	88,22	93,41			141,3
63				77,44	78,50	78,64	78,81	78,85	79,32	87,15	81,55	82,11	82,91	85,95	89,66	94,11			142,7
80				78,67	79,56	77,79	78,87	78,81	80,52	88,72	82,88	83,35	84,26	87,40	90,70	92,87			142,5
100				78,95	79,61	78,83	79,83	79,94	81,24	82,29	83,58	84,37	86,19	88,61	92,84	93,46			143,7
125				80,53	81,18	78,85	79,96	81,71	82,82	83,52	87,21	88,58	89,12	89,73	91,19	93,87			144,9
160				88,17	83,14	78,89	79,41	82,14	81,85	83,74	88,98	88,34	88,63	88,22	89,84	91,46			145,3
200				79,41	78,49	76,97	77,87	78,83	79,58	81,74	81,49	81,43	82,39	85,81	87,61	85,42			142,8
250				77,42	76,21	72,19	72,96	75,59	76,55	78,49	79,22	77,41	77,47	80,72	82,85	82,45			136,4
315				78,58	78,23	76,88	73,87	75,41	73,69	77,71	77,23	78,87	78,68	80,76	79,96	81,17			134,2
400				82,33	82,26	79,41	81,84	76,88	78,74	81,89	80,79	82,89	85,23	86,39	83,81	81,89			140,6
500				83,26	83,49	84,65	85,19	82,71	85,20	83,45	83,39	86,81	87,21	89,76	86,58	82,35			141,9
630				85,28	85,93	86,19	85,56	87,31	89,60	86,37	85,89	88,87	88,14	89,94	88,99	85,77			146,7
800				80,51	82,91	81,67	85,89	87,86	86,64	88,17	85,64	85,11	85,47	86,25	85,88	84,65			144,6
1000				79,56	81,49	83,14	83,85	82,15	88,48	88,88	82,37	82,48	84,17	84,71	82,87	80,47			141,4
1250				81,83	84,98	83,57	86,28	84,87	84,84	84,48	83,76	85,74	86,91	87,37	84,67	81,84			144,2
1600				79,45	81,38	81,11	88,34	81,34	83,56	82,24	82,77	82,59	85,71	84,74	83,47	81,99			142,2
2000				79,88	81,49	81,57	81,76	80,68	81,39	79,83	80,79	82,12	83,89	82,49	79,69	79,85			140,9
2500				78,85	78,86	80,85	78,45	81,96	78,22	81,78	83,19	81,27	79,42	79,88	77,79	78,11			142,2
3150				82,68	81,99	78,81	81,69	82,79	81,79	83,96	85,27	84,73	78,35	82,17	80,97	80,61			142,7
4000				82,67	83,31	77,74	83,46	80,17	84,48	84,76	84,89	86,49	83,71	84,19	81,82	81,29			144,3
5000				83,38	84,98	80,27	89,76	92,86	90,33	96,12	90,58	92,24	95,85	87,88	81,87	83,89			154,2
6300				81,29	81,82	84,83	83,58	86,83	84,44	89,66	92,18	88,34	90,25	84,38	80,89	80,43			149,4
8000				78,18	78,91	77,19	79,68	80,18	81,98	81,48	83,64	83,86	80,99	82,81	77,99	77,89			144,7
10000				76,98	75,71	75,68	77,93	81,16	80,22	83,48	86,92	89,18	83,29	81,23	78,99	78,37			148,8
MEASURED OASPL				98,79	98,92	97,29	98,49	98,69	99,80	100,9	102,7	100,8	102,4	101,6	102,1	103,4			
CALCULATED OASPL				94,61	95,37	93,79	97,84	97,34	97,47	100,8	101,6	99,65	100,9	100,1	100,3	101,9			
PNDB				107,4	108,2	107,6	110,7	111,8	111,3	114,5	116,5	113,3	113,8	111,6	108,7	109,1			

OAPWL: 159,2

AMBIENT TEMP, 32,88
WET-BULB TEMP, 30,88
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 3B + 3C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=141 SPEED=8988

RADIAL DISTANCE 250

DATE: 3/03/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				-4,49	-4,35	-7,43	-6,49	-6,16	-4,86	-3,63	-2,49	-1,24	-1,67	1,064	4,698	9,890			
63				-7,45	-6,39	-6,25	-6,88	-6,84	-5,56	2,259	-3,34	-2,78	-1,98	1,856	4,769	9,219			
80				-5,89	-5,00	-6,82	-6,49	-5,76	-4,84	-3,85	-2,56	-1,81	-,383	2,838	6,139	8,581			
100				-6,69	-6,03	-7,62	-5,82	-5,71	-4,41	-3,35	-2,06	-1,27	,5502	2,962	6,393	7,886			
125				-6,26	-5,67	-7,84	-6,83	-5,07	-4,77	-3,27	,4176	1,769	2,331	2,917	4,487	6,778			
160				-6,85	-6,89	-8,34	-7,61	-4,89	-5,17	-3,28	1,949	3,314	3,603	3,191	2,818	4,483			
200				-2,27	-3,19	-6,71	-4,82	-3,65	-2,11	,8599	-,188	-,259	,7818	3,323	5,928	5,744			
250				-,472	-1,68	-5,69	-4,94	-2,29	-1,34	,5999	1,338	-,487	-,424	2,823	4,157	4,561			
315				,8575	,5816	-,827	-3,77	-2,23	-3,95	,0622	-,416	1,229	,9685	3,116	2,321	3,523			
400				,4444	,3781	-2,47	-,847	-5,00	-3,14	-,786	-1,89	1,884	3,343	4,510	1,129	,9119			
500				-1,88	-1,56	-,406	,1365	-2,35	,1421	-1,61	-1,66	,9486	2,148	4,783	1,922	-2,71			
630				-2,58	-1,86	,4243	1,775	-,475	1,819	,5915	-1,89	,2885	,3548	2,156	1,164	-2,82			
800				-4,95	-2,95	-3,59	,4338	1,684	1,177	2,705	,1758	-,352	,8854	,7848	,4165	1,148			
1000				-2,54	-,686	-,842	,9571	,8499	-1,62	-1,22	,2784	,3463	2,869	2,616	-,826	,3773			
1250				-2,88	,2614	-1,15	1,939	-,848	,1315	-,265	-,951	1,824	2,201	2,651	-,839	-3,68			
1600				-3,98	-1,15	-1,42	-,186	-1,19	1,829	-,292	,2391	,8494	3,175	2,918	,9379	-,559			
2000				-1,14	,4789	,9532	,7499	-,334	,3754	-1,98	-,223	1,189	2,886	1,674	-1,33	-1,97			
2500				-1,14	-1,13	,8588	-1,54	1,971	-1,76	1,788	3,284	1,285	-,962	-,989	-2,19	-1,87			
3150				,4994	-,288	-4,17	-,493	,6885	-,398	1,769	3,882	2,545	-3,84	-,813	-1,61	-1,58			
4000				-,518	,1224	-5,45	,2678	-3,81	1,218	1,967	,8988	3,389	,8167	1,987	-2,17	-1,89			
5000				-8,34	-7,74	-3,45	-2,96	-,656	-2,19	3,486	5,863	-,498	3,133	-4,84	-10,9	-9,62			
6300				-5,66	-5,93	-2,92	-3,42	-,916	-2,58	2,717	5,156	1,391	3,382	-2,56	-6,37	-6,51			
8000				-2,57	-2,18	-3,49	-,989	-,581	,8039	,7979	2,957	3,178	-,886	1,324	-2,69	-2,79			
10000				-5,35	-6,16	-6,27	-3,94	-,713	-1,65	1,689	5,856	3,285	1,429	-,637	-2,88	-3,49			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=141 SPEED=8500

RADIAL DISTANCE 25'

DATE: 3/02/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ,	0,0	10,0	20,0	30,0	40,0	52,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				78,81	78,83	76,14	77,02	78,44	78,77	79,85	80,99	82,28	81,79	84,71	88,28	93,41			141,3
63				76,98	78,13	78,42	77,84	79,01	79,43	87,89	81,53	81,98	82,83	85,96	89,56	94,03			142,7
80				78,37	79,30	77,65	78,12	79,85	80,73	88,68	81,88	83,49	84,28	87,41	90,66	92,88			142,5
100				78,59	79,18	77,93	79,74	80,84	81,38	[illegible] 15	83,53	84,27	86,18	88,88	91,97	93,39			143,7
125				80,19	80,83	78,67	79,92	82,72	82,17	[illegible],48	87,32	88,54	89,89	89,69	91,17	93,54			144,9
160				79,94	79,85	78,67	79,42	83,28	81,96	[illegible]3,67	88,86	90,35	90,71	90,25	89,84	91,43			145,3
200				79,62	78,11	75,81	[illegible]7,72	79,19	79,74	81,72	81,47	81,47	82,42	85,18	87,67	85,47			140,1
250				77,48	75,76	72,38	73,19	76,91	76,81	78,63	78,18	77,49	77,88	80,91	82,89	82,49			136,9
315				78,57	77,83	76,78	74,18	76,73	74,38	77,78	77,24	78,96	78,72	81,88	86,26	81,85			136,4
400				82,13	81,94	79,27	80,97	77,88	79,82	80,96	80,62	82,86	85,25	86,41	83,85	81,79			140,6
500				83,39	83,35	84,76	85,24	83,78	85,47	83,46	83,31	86,84	87,29	89,86	86,71	82,39			144,8
630				85,39	85,71	88,88	89,49	88,33	89,74	88,31	85,81	88,81	88,12	89,96	88,99	85,67			146,8
800				88,94	82,45	81,96	85,83	86,15	86,91	88,17	85,69	85,26	85,49	86,48	86,81	86,84			144,8
1000				88,51	81,49	83,18	83,84	83,29	88,44	81,88	82,47	82,81	84,11	85,83	82,32	82,48			141,6
1250				82,55	84,96	83,54	86,22	85,88	84,93	84,59	83,99	85,83	86,98	87,58	85,81	81,33			144,4
1600				88,66	81,38	81,11	82,26	82,57	83,53	82,49	83,24	82,77	85,73	84,99	83,88	82,31			142,5
2000				81,28	81,58	81,75	81,67	82,11	81,54	79,87	80,88	82,26	85,91	83,83	79,94	79,99			141,3
2500				80,63	79,86	80,49	78,18	80,41	78,27	82,33	82,19	81,36	79,41	79,87	78,89	78,98			140,6
3150				83,48	81,89	78,93	81,54	84,23	81,86	84,26	85,32	84,79	78,31	82,27	80,71	80,81			148,8
4000				83,57	83,38	78,27	83,37	81,93	84,48	84,94	84,89	86,53	83,65	84,25	81,84	81,26			144,5
5000				84,18	84,94	87,24	89,73	93,21	90,76	96,12	98,59	92,29	93,87	87,84	82,88	83,18			154,3
6300				82,53	88,97	84,25	83,49	87,33	84,67	89,95	92,13	88,43	90,29	84,48	88,85	88,66			149,6
8000				88,47	78,73	78,26	79,81	82,32	81,98	82,48	83,78	84,85	88,92	82,23	78,99	78,89			145,3
10000				78,72	75,71	76,28	77,98	82,46	80,48	83,67	86,86	85,29	83,41	81,62	80,24	78,67			148,3
MEASURED OASPL				99,97	98,89	97,62	98,54	100,8	99,49	101,2	102,8	101,8	102,5	102,8	102,8	103,7			
CALCULATED OASPL				95,15	95,24	98,84	98,97	98,54	97,65	100,1	101,6	99,66	100,9	100,2	[illegible],4	101,9			
PNDB				100,2	100,2	100,8	110,6	113,1	111,5	114,9	116,6	113,4	115,0	111,7	105,9	100,2			

OAPWL: 159,4

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,75
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 3B + 3C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=142 SPEED=8520

D34

RADIAL DISTANCE 25.

DATE: 3/02/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 7.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	142.2	150.0	160.0	170.0	(PWL)
50				4,74	-4,72	-7,42	-6,53	-5,11	-4,79	-3,71	-2,56	-1,27	-1,76	1,168	4,724	9,236			
63				-7,85	-6,71	-6,42	-6,99	-5,83	-5,39	2,261	-3,31	-2,85	-2,00	1,126	4,723	9,196			
80				-6,21	-5,27	-6,93	-6,46	-4,72	-3,85	-3,89	-2,69	-1,88	-,299	2,832	6,881	8,318			
100				-7,02	-6,42	-7,68	-5,85	-4,76	-4,26	-3,46	-2,07	-1,34	,5718	2,978	6,362	7,784			
125				-6,61	-5,97	-8,13	-6,88	-4,88	-4,64	-3,32	,5192	1,743	2,297	2,892	4,364	6,738			
160				-7,11	-7,28	-8,39	-7,64	-3,77	-3,89	-3,39	1,884	3,291	3,654	3,191	2,779	4,378			
200				-2,15	-3,66	-6,76	-4,86	-2,58	-2,84	-,849	-,299	,6448	3,331	5,896	3,788				
250				-,551	-2,27	-5,65	-4,83	-1,12	-1,22	,6034	1,072	-,534	-,448	2,883	4,057	4,465			
315				,7417	,8845	-1,85	-3,65	-1,89	-3,52	-,849	-,992	1,139	,8895	3,176	2,483	3,435			
400				,2637	,8724	-2,59	-,899	-3,99	-2,85	-,984	-1,25	,9899	3,381	4,942	1,164	-,079			
500				-1,79	-1,84	-,434	,8519	-1,41	,2797	-1,71	-1,88	,8497	2,183	4,666	1,518	-2,88			
630				-2,46	-2,14	,2256	1,639	,4785	1,893	,4238	-2,04	,1565	,2718	2,114	1,142	-2,18			
800				-4,74	-3,24	-3,73	,1489	2,469	1,824	2,483	,8153	-,426	-,192	,7018	,3275	,9946			
1000				-1,88	-,841	,7685	,7868	,9982	-1,69	-1,34	,1328	,4787	1,776	2,692	-,819	,8884			
1250				-2,38	,8382	-1,39	1,208	,8782	-,885	-,342	-,942	,8959	2,846	2,446	,8752	-2,68			
1600				-2,13	-1,41	-2,69	-,935	-,219	,7427	-,383	,4518	-,821	2,941	2,286	1,885	-,481			
2000				-,867	,2336	,4816	,3144	,7685	,1918	-1,48	-,467	,9859	2,554	1,679	-1,41	-1,76			
2500				,1956	-1,57	,8588	-2,33	2,988	-2,16	1,899	2,724	,9386	-1,82	-,786	-2,33	-1,85			
3150				1,827	-,583	-3,54	-,929	1,762	-,612	1,795	2,848	2,279	-4,16	-,282	-1,77	-1,86			
4000				,2133	-,875	-5,89	,8145	-1,48	1,119	1,588	,7319	3,172	,2986	,8987	-2,31	-2,89			
5000				-8,73	-7,89	-3,59	-3,11	,3799	-2,87	3,288	5,759	-,547	3,837	-4,99	-10,8	-9,65			
6300				-4,68	-6,19	-2,92	-3,66	,1647	-2,49	2,789	4,969	1,264	3,153	-2,68	-6,31	-6,70			
8000				-,914	-2,55	-3,82	-1,47	1,983	,6953	1,119	2,496	2,749	-,368	,9447	-2,29	-2,68			
10000				-3,48	-6,13	-5,94	-4,16	,3147	-1,74	1,528	4,718	3,147	1,267	-,923	-1,98	-3,47			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=142 SPEED=8500

RADIAL DISTANCE 250

DATE: 3/02/78

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	2.0	10.0	20.0	30.0	40.0	52.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				79.30	78.26	76.31	76.83	77.76	78.65	79.79	88.25	81.49	81.15	84.39	88.36	93.36			141.1
63				77.66	77.79	79.12	77.32	78.14	79.16	86.99	88.69	81.88	82.91	86.89	89.50	93.95			142.6
80				78.52	78.64	77.65	78.17	79.27	80.25	81.89	81.79	83.99	84.54	87.31	90.24	92.17			142.2
100				79.49	78.86	77.42	79.33	80.84	81.26	82.71	83.41	84.48	86.13	88.68	91.88	93.86			143.5
125				81.61	83.31	79.18	82.36	83.03	82.55	86.75	91.17	92.99	92.77	92.82	91.48	93.83			147.4
160				80.95	81.16	77.34	80.30	81.48	81.26	84.63	88.69	90.59	90.44	90.88	89.49	90.14			145.2
200				80.31	77.49	74.71	77.87	77.75	78.52	81.43	81.15	82.14	82.66	85.40	87.37	84.72			139.9
250				79.48	74.65	73.88	75.39	73.81	74.96	78.88	78.22	79.39	77.93	81.98	82.89	82.18			136.5
315				78.72	77.85	76.37	75.79	76.75	74.96	77.88	79.91	78.89	77.79	79.46	78.79	80.11			139.5
400				83.89	85.35	87.11	83.31	85.83	83.14	85.84	86.44	82.16	85.20	85.76	83.61	81.64			142.6
500				82.32	82.63	83.37	82.66	85.19	83.17	83.67	83.48	84.72	86.36	89.22	89.68	83.19			143.2
630				83.89	82.71	82.29	84.88	87.88	88.58	88.18	87.17	86.20	87.87	89.88	87.89	85.78			148.2
800				81.64	80.47	79.86	81.78	83.35	82.83	86.82	85.84	85.79	86.11	89.82	86.88	85.46			146.1
1000				80.80	81.49	86.87	85.24	88.24	83.91	83.86	81.57	83.86	84.81	83.85	82.49	81.97			142.3
1250				82.82	86.44	85.96	86.47	90.66	85.37	91.24	84.14	87.74	87.73	86.88	84.26	81.38			146.3
1600				80.72	80.78	81.49	82.33	82.71	83.29	83.37	81.99	84.43	85.65	84.54	83.47	81.44			142.5
2000				80.58	80.86	82.38	82.14	83.89	83.28	81.86	81.82	82.94	84.29	81.82	78.98	78.79			141.7
2500				80.65	78.27	80.84	78.95	83.44	79.88	80.38	81.79	81.78	80.81	79.48	77.60	76.48			140.4
3150				82.52	81.89	78.13	82.81	85.54	82.67	84.19	83.48	84.89	79.28	82.22	80.82	80.13			145.3
4000				83.17	83.45	78.73	83.87	81.93	84.48	86.21	84.42	80.41	84.96	84.29	81.81	80.45			144.9
5000				84.20	84.72	86.35	85.28	90.44	90.35	91.97	97.88	98.16	97.38	97.97	98.88	81.81			153.2
6300				81.96	80.97	82.69	80.11	84.77	88.98	85.63	80.32	87.27	89.31	83.49	86.85	79.82			147.4
8000				80.19	79.25	77.67	80.36	82.51	81.45	82.28	85.39	85.49	81.39	82.47	78.82	77.99			145.9
10000				78.48	76.75	75.79	77.86	81.54	80.82	82.99	87.51	86.67	84.89	82.44	79.99	78.67			145.8
MEASURED OASPL				100.9	98.48	97.12	97.38	99.77	98.64	100.7	102.3	101.9	103.2	102.3	100.1	103.4			
CALCULATED OASPL				95.84	95.26	95.39	95.38	98.37	96.87	99.27	101.1	100.3	101.7	100.3	100.2	101.6			
PNDB				100.8	107.9	100.5	100.4	111.9	111.1	112.8	113.8	113.6	113.9	111.6	100.7	100.3			

OAPWL: 159.1

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=143 SPEED=8300

RADIAL DISTANCE 25[illegible]

DATE: 3/02/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ,	ANGLES FROM INLET 2.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				-4,08	-5,12	-7,07	-6,59	-5,62	-4,73	-3,59	-3,13	-1,89	-2,23	1,887	4,980	9,977			
63				-7,08	-6,95	-5,62	-7,42	-6,59	-5,58	2,254	-4,04	-2,93	-1,83	1,358	4,764	9,289			
80				-5,77	-5,65	-6,65	-6,12	-5,02	-4,04	-3,19	-2,49	-,298	,2450	3,019	5,949	7,879			
100				-5,99	-7,44	-8,07	-6,16	-4,65	-4,23	-2,78	-2,09	-1,03	,6588	3,133	6,389	7,564			
125				-7,61	-8,91	-12,0	-6,86	-6,19	-6,67	-2,47	1,951	3,779	3,948	3,385	2,264	4,389			
160				-5,96	-5,75	-9,57	-6,52	-5,43	-5,66	-2,28	1,777	3,682	3,926	3,667	2,981	3,227			
200				-1,28	-4,09	-6,88	-4,52	-3,85	-3,87	-,152	-,141	,5498	1,070	3,902	5,779	3,128			
250				1,455	-3,38	-5,01	-5,63	-4,21	-3,87	,0,87	,1933	1,362	-,095	3,951	4,858	4,191			
315				1,777	,1869	-,871	-3,19	-2,19	-1,98	,4449	-1,83	1,711	,8496	2,521	1,812	3,149			
400				-,848	1,487	3,166	-,631	1,867	-,895	1,893	-3,49	-1,78	1,337	1,817	-,328	-2,29			
500				-2,08	-1,77	-1,03	-1,75	,7873	-1,24	-,730	-1,08	,3158	1,951	4,814	1,199	-1,21			
630				-3,18	-3,57	-3,98	-2,28	,8012	-,729	1,903	,8988	,7198	1,295	3,223	1,816	-,978			
800				-2,39	-3,56	-4,17	-2,31	-,678	-1,99	1,987	1,889	1,721	2,875	1,799	2,172	1,433			
1000				-3,94	-2,53	2,843	1,289	4,889	-,119	-,162	-2,46	-,166	-,816	-,879	-1,33	-2,86			
1250				-5,82	-,682	-1,88	-,569	3,622	-1,67	4,197	-2,98	,7828	,8893	-,439	-2,78	-3,66			
1600				-2,08	-2,89	-1,36	-,474	-,889	,4929	,5683	-,882	1,629	2,846	1,746	,6729	-1,36			
2000				-1,17	-,895	,5442	,3819	2,142	1,519	-,699	-,741	,5871	2,536	,8669	-2,85	-2,97			
2500				-,373	-2,16	,2231	-1,49	3,416	-,683	1,955	1,369	1,389	-,489	-,994	-2,62	-3,74			
3150				-,177	-1,68	-4,87	-,888	2,888	-,888	1,487	2,785	2,894	-3,42	-,476	-1,88	-2,87			
4000				-,374	-,299	-3,82	,1244	-1,82	,9342	2,464	,8723	2,659	1,816	,5485	-2,54	-3,19			
5000				-7,42	-6,98	-5,35	-6,46	-1,27	-1,37	-,139	5,674	,4538	5,646	-3,73	-0,65	-10,2			
6300				-3,08	-4,82	-2,29	-4,89	-,222	-2,47	,6307	4,331	2,281	4,319	-1,81	-4,75	-8,97			
8000				-1,64	-2,59	-3,97	-1,46	,6738	-,387	,4388	3,559	3,648	-,443	,6264	-3,82	-3,85			
10000				-4,18	-3,87	-6,83	-3,55	-1,87	-2,59	-,828	4,896	4,258	2,281	-,174	-2,63	-3,94			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=143 SPEED=8388

RADIAL DISTANCE 250

DATE: 3/02/78

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				77,55	77,03	75,91	76,25	77,64	77,87	79,51	80,19	81,42	81,11	83,52	87,24	91,85			140,1
63				75,29	76,20	78,93	77,59	78,32	78,59	86,93	80,41	81,51	82,92	85,58	88,91	92,98			141,9
80				76,40	76,86	77,43	78,88	79,33	80,08	88,76	81,54	83,51	84,33	87,84	90,16	92,82			142,8
100				77,84	77,82	77,99	79,48	80,69	81,16	82,89	83,26	84,45	86,21	88,25	91,31	93,55			143,8
125				83,15	87,40	80,19	83,31	84,65	85,75	87,31	91,91	92,48	92,71	93,16	91,66	93,39			147,7
160				79,49	81,13	76,76	79,99	81,88	82,24	83,14	85,89	87,81	87,45	88,78	89,89	90,88			142,4
200				78,29	76,55	74,61	77,18	78,63	79,43	81,65	81,88	81,41	82,41	84,94	87,44	84,54			139,8
250				76,68	73,29	70,84	73,88	76,84	76,84	78,82	79,44	79,24	77,66	80,76	81,78	82,48			136,9
315				75,96	74,32	73,29	75,76	75,76	72,64	76,44	75,77	76,38	77,87	78,86	78,42	79,25			134,2
400				77,42	77,21	78,65	77,63	77,24	76,76	77,29	77,31	80,59	82,84	84,99	82,98	81,19			139,3
500				79,85	82,39	83,29	87,84	87,69	86,19	85,92	84,51	85,22	84,35	89,55	86,46	81,97			144,6
630				80,71	82,84	81,99	84,21	85,36	84,73	84,15	84,46	84,88	84,98	86,45	87,28	83,91			143,8
800				81,89	81,31	81,49	81,48	86,31	85,68	89,57	87,89	89,51	85,62	85,38	84,89	85,46			144,8
1000				79,85	81,17	82,71	85,78	85,46	82,74	83,86	81,82	82,24	83,58	84,94	84,15	84,39			140,1
1250				83,49	87,37	90,74	93,60	94,74	93,29	90,92	87,82	88,46	89,93	88,97	87,89	83,82			150,8
1600				79,36	82,96	84,88	86,12	85,81	86,39	85,88	82,69	83,64	84,93	83,85	83,89	80,17			148,7
2000				79,28	81,78	84,49	85,81	84,86	84,69	82,18	81,85	82,28	83,98	82,89	80,17	77,49			148,6
2500				77,64	78,77	81,83	79,99	80,48	80,34	83,48	82,79	81,19	78,88	78,87	77,88	76,28			144,2
3150				81,55	81,98	79,12	83,25	85,41	82,68	85,88	84,19	84,46	78,91	82,44	81,89	78,59			148,2
4000				83,21	84,68	80,17	85,89	82,74	85,68	86,51	83,77	85,99	83,91	85,84	81,75	80,19			148,1
5000				84,38	86,75	87,87	88,58	92,36	89,88	91,18	94,89	91,22	94,98	89,68	85,75	82,42			151,9
6300				82,87	82,23	84,24	81,57	85,17	82,32	85,68	86,45	88,96	86,44	82,89	80,68	78,39			148,4
8000				80,16	80,21	79,47	81,93	82,46	82,87	84,22	84,88	84,28	80,56	82,12	79,42	77,55			145,9
10000				78,11	77,61	77,12	77,89	81,75	81,42	85,22	84,92	85,95	84,69	81,58	80,73	78,67			148,4
MEASURED OASPL				96,58	97,62	97,72	100,4	101,1	99,87	100,6	100,9	100,9	100,8	100,8	100,8	100,8			
CALCULATED OASPL				94,81	95,87	96,32	99,11	99,82	98,47	99,38	99,61	99,51	100,5	100,3	100,8	100,9			
PNDB				187,3	188,9	189,5	118,8	113,2	111,2	112,8	113,8	112,7	114,3	112,1	109,4	108,1			

OAPWL: 138,9

AMBIENT TEMP,	32,00
WET-BULB TEMP,	30,00
BAR, PRESSURE	28,76
ABS, HUMIDITY	3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=144 SPEED=8188

RADIAL DISTANCE 25'

DATE: 3/02/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				-4,81	-5,34	-6,46	-6,12	-4,73	-4,49	-2,86	-2,17	-,947	-1,26	1,154	4,872	9,479			
63				-8,85	-7,94	-5,22	-5,55	-5,82	-5,55	2,789	-3,73	-2,63	-1,22	1,361	4,769	8,759			
80				-7,66	-7,18	-6,64	-5,98	-4,73	-3,96	-3,31	-2,52	-,955	,2693	2,976	6,891	7,959			
100				-8,09	-8,11	-7,54	-5,65	-4,44	-3,97	-3,05	-1,85	,6779	1,882	3,116	6,174	7,422			
125				-6,45	-2,19	-9,48	-6,28	-4,94	-3,87	-2,29	2,318	2,879	3,189	3,563	2,857	3,798			
160				-5,68	-3,98	-8,36	-5,92	-4,11	-2,88	-1,97	,7788	1,895	2,332	3,663	3,982	4,969			
200				-3,14	-4,89	-6,62	-4,25	-2,81	-2,80	,2129	-,354	-,836	,9766	3,499	6,882	3,187			
250				-1,38	-4,71	-7,97	-4,92	-1,97	-1,16	,8164	1,436	1,232	-,349	2,754	3,771	4,443			
315				-,89	-1,34	-2,39	-3,86	-1,86	-3,82	,7788	,1181	,8478	1,412	2,986	2,965	3,992			
400				-2,38	-2,99	-1,19	-2,17	-2,96	-3,84	-2,91	-2,48	,7883	3,066	3,198	3,178	1,997			
500				-5,91	-3,35	-2,45	2,898	2,153	,4916	,1883	-1,23	-,517	,8875	3,885	,7389	-3,77			
630				-4,18	-2,83	-2,89	-,8[illegible]	,4733	-,159	-,741	-,423	1,159	2,815	3,763	2,365	-,981			
800				-4,85	-3,82	-3,63	-3,69	1,184	-1,48	4,442	1,957	,3778	,2918	,1716	-,231	,3337			
1000				-3,77	-1,65	-,187	2,980	2,842	-,881	1,844	-1,79	-,981	,8589	1,439	-,667	-2,93			
1250				-7,29	-3,22	-,848	4,817	3,953	2,469	-,264	-3,76	-2,38	-,836	-1,82	-3,89	-8,26			
1600				-4,66	-1,06	-,818	2,898	1,789	8,368	,9889	-1,33	-,388	,9134	-,187	-,932	-3,85			
2000				-3,38	-,875	1,842	2,354	2,201	2,844	-,477	-1,68	-,399	1,249	-,564	-2,49	-5,16			
2500				-3,38	-2,25	,8841	-4,85	4,403	-,664	2,456	1,765	,3715	-2,19	-2,16	-3,15	-4,82			
3150				-1,89	-,655	-3,52	,8166	8,767	,8889	2,368	1,958	1,817	-4,13	-,196	-1,85	-4,85			
4000				-,799	,6792	-3,83	1,889	-1,27	1,611	8,981	-,239	1,984	-,892	1,888	-2,26	-3,82			
5000				-6,11	-3,74	-2,62	-4,91	1,871	-1,41	,6861	3,461	,7298	4,466	-,884	-6,74	-8,87			
6300				-1,66	-1,69	,3868	-2,36	1,241	-1,81	1,783	2,518	2,836	2,926	-1,34	-3,28	-8,93			
8000				-1,76	-1,71	-2,45	-,392	,5861	,1989	2,384	2,961	2,379	-1,36	,2849	-2,49	-4,37			
10000				-4,13	-4,62	-5,11	-4,34	-,477	-,818	2,989	2,688	3,328	2,463	-,698	-1,49	-3,56			

AMBIENT TEMP, 32,88
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

PUN=13 RDG=144 SPEED=8188

RADIAL DISTANCE 250

DATE: 1/27/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
FREQ.	1?,?	2	3	4?,2	5	6?,?	7?,?	8?,?	9?,?	10?,?	11?,?	12?,?	13?,?	14?,?	15?,?	16?,?	17?,?	(PWL)
5?			77,68	76,44	75,3?	75,56	75,75	76,92	79,81	79,26	80,86	80,58	82,97	86,46	91,39			139,8
63			74,95	75,21	78,39	76,71	76,2?	77,54	86,79	79,91	81,89	82,82	84,19	87,54	91,97			141,1
8?			75,63	76,13	76,39	77,06	77,02	76,84	79,91	80,53	82,49	83,36	85,61	88,84	91,93			140,9
1??			76,53	76,59	76,65	78,27	78,54	79,97	81,43	82,56	83,71	85,43	87,25	89,48	90,92			141,9
125			84,18	89,49	87,49	85,86	89,84	85,29	83,79	84,16	86,15	87,33	86,77	89,74	91,98			142,4
16?			78,25	79,85	78,86	79,04	80,78	80,93	80,62	81,29	83,62	84,35	86,48	87,97	88,97			141,1
2??			77,69	75,46	74,12	76,59	76,52	76,46	80,57	79,80	80,59	81,88	83,98	85,93	87,14			138,7
25?			75,41	72,67	72,59	74,44	74,42	76,32	76,47	78,81	76,72	77,20	80,89	88,95	88,75			138,4
315			74,56	73,62	72,91	71,54	72,07	71,25	74,88	74,29	74,99	74,80	76,17	77,19	78,43			138,4
4??			79,39	78,33	77,18	74,58	73,98	75,19	76,99	78,18	80,83	80,97	82,88	86,89	90,72			136,9
52?			81,53	81,78	80,34	79,66	80,40	80,23	80,11	82,12	83,33	84,97	87,83	84,89	81,84			141,8
63?			79,78	81,54	81,09	86,15	83,85	84,81	83,55	84,33	87,32	85,97	87,29	86,17	82,19			142,4
8??			79,52	81,64	79,61	93,79	81,22	83,29	83,32	82,86	87,38	84,87	84,29	84,67	82,97			142,3
1?2?			77,89	80,25	83,92	82,84	81,63	80,97	82,44	80,97	81,87	81,99	82,11	81,11	79,99			140,6
125?			88,18	89,87	88,42	93,43	93,91	94,93	91,65	86,46	86,85	87,88	88,81	89,84	88,41			140,7
160?			78,99	81,74	84,96	86,86	85,82	87,48	84,64	83,39	84,34	85,77	84,89	82,83	80,38			143,9
2?2?			78,61	80,82	85,81	88,91	86,75	85,98	81,61	81,84	82,34	84,18	82,14	80,29	77,82			143,8
25??			76,93	77,99	81,14	79,89	84,47	80,72	82,21	82,36	80,79	78,71	77,81	77,88	76,12			140,6
315?			81,49	82,66	90,83	84,37	86,34	83,91	83,18	84,11	84,63	79,13	80,85	79,95	79,85			143,3
4?2?			83,15	85,31	81,33	86,26	83,14	86,24	84,93	84,06	86,19	84,13	82,89	80,91	80,32			145,1
5?2?			85,38	86,89	89,36	91,09	89,87	89,31	87,79	91,49	91,95	97,17	88,62	86,95	84,25			148,8
63??			82,22	80,95	83,82	81,19	82,48	81,49	82,99	84,94	85,56	86,11	86,32	80,24	78,65			148,2
8?2?			80,12	79,62	79,95	81,11	80,99	82,52	81,42	83,71	83,78	84,48	84,56	79,25	78,15			145,1
1?2??			78,11	77,73	78,38	80,06	83,38	80,54	84,51	84,32	86,89	86,85	88,86	81,91	79,87			146,8
MEASURED OASPL			96,31	98,16	97,95	100,2	100,1	100,8	98,99	98,88	100,8	101,8	100,3	101,2	102,4			
CALCULATED OASPL			93,92	96,27	96,53	98,78	98,86	98,72	97,71	97,49	98,79	100,4	98,55	98,86	99,67			
PNDB			107,5	108,9	110,2	111,9	111,5	111,2	110,4	111,9	112,8	113,2	110,9	109,8	108,3			
																	OAPWL:	150,4

AMBIENT TEMP. 32,00
WET-BULB TEMP. 32,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C INVS 9 DEG OPEN T/O 2/17/76

RUN=13 PLG=147 SPEED=7900

RADIAL DISTANCE 250

DATE: [illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	[illegible]	[illegible]	32.	42.7	[illegible]	67.[illegible]	77.[illegible]	87.[illegible]	9[illegible].7	10[illegible].	110.7	122.7	13[illegible].[illegible]	14[illegible].	152.	167.2	172.0 (PWL)
50				-4,67	-5,31	-6,44	-6,18	-6,[illegible]	-4,82	-2,73	-2,48	-,944	-1,17	1,219	4,713	9,64[illegible]		
63				-8,33	-8,28	-4,95	-6,58	-7,02	-5,73	3,517	-3,38	-2,18	-1,26	,9853	4,256	8,693		
80				-7,28	-6,78	-6,52	-5,85	-5,89	-4,07	-3,00	-2,38	-,424	,4489	2,699	5,933	8,125		
100				-7,32	[illegible]	-7,19	-5,58	-5,29	-3,88	-2,42	-1,26	-,138	1,582	3,405	5,337	7,075		
125				-3,08	2,232	,2379	-1,42	2,579	-1,97	-3,47	-3,09	-1,11	,0742	1,507	2,479	4,723		
160				-4,62	-3,03	-4,82	-3,84	-2,10	-2,35	-2,26	-1,59	,7395	1,467	3,522	4,691	5,685		
200				-3,23	-4,86	-6,27	-3,73	-3,79	-1,86	,2495	-,518	,2777	1,562	3,657	5,612	3,024		
250				-1,53	-4,27	-6,35	-2,49	-2,52	-,623	-,471	1,066	-,222	,2637	3,950	4,013	3,809		
315				,4845	-,455	-1,17	-2,53	-2,00	-2,82	,0043	,2112	,9133	,7238	2,094	3,109	3,951		
400				1,101	-1,96	-1,11	-3,71	-4,31	-3,89	-1,30	-,184	1,743	2,682	3,990	2,604	1,437		
500				-,692	-,447	-1,89	-2,56	-1,82	-2,99	-2,12	-,105	1,103	2,752	4,808	1,865	-1,18		
630				-4,69	-2,93	-3,38	1,678	-,625	-,462	-,920	-,141	2,842	1,493	2,826	1,697	-2,28		
800				-3,72	-1,59	-3,62	,5682	-2,01	,0719	,0953	-,365	4,125	,8443	1,867	1,446	-,251		
1000				-3,39	-1,25	2,622	1,544	,3344	-,727	1,147	-,320	,5776	,3851	,8159	-,181	-1,32		
1250				-8,05	-1,17	-1,61	3,201	3,677	4,295	1,419	-3,57	-3,38	-2,39	-1,72	-4,[illegible]	-7,82		
1600				-5,29	-2,55	,6788	1,778	,7364	3,194	,3575	-,887	,0547	1,486	-,191	-1,46	-3,91		
2000				-5,26	-3,05	1,142	5,738	2,882	2,114	-2,26	-2,23	-1,53	,2451	-1,73	-3,57	-6,25		
2500				-3,46	-2,42	,7457	-,499	4,079	,3270	1,811	1,963	,4015	-1,68	-2,59	-3,39	-4,29		
3150				-1,64	-,270	-2,69	1,637	3,608	1,185	,3732	1,379	1,907	-4,60	-2,88	-2,78	-3,67		
4000				-,863	1,294	-2,68	2,249	-,875	2,222	,9163	,0447	2,131	,1199	-1,12	-3,11	-3,69		
5000				-5,20	-3,69	-1,22	,5736	-,715	-1,27	-2,79	,9089	1,368	6,581	-1,96	-4,03	-6,54		
6300				-,569	-1,84	1,226	-1,67	-,309	-1,30	,1614	2,153	2,769	3,317	-2,27	-2,55	-4,14		
8000				-,971	-1,48	-1,13	,0199	-,098	1,429	,3285	2,625	2,692	-,684	-,528	-1,83	-2,89		
10000				-4,57	-4,95	-4,29	-2,62	,7024	-2,14	1,829	1,639	4,207	3,349	-2,59	-1,17	-2,80		

AMBIENT TEMP. 32.32
WET-BULB TEMP. 32.07
BAR. PRESSURE 28.75
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=[illegible] RUG=145 SPEED=7900

RADIAL DISTANCE 250

DATE: 2/20/78

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				75.46	74.98	74.22	74.30	74.45	75.77	78.16	78.2	78.82	78.72	81.42	84.87	89.34			137.8
63				73.99	74.46	77.97	75.92	75.53	76.70	86.60	79.84	79.61	80.67	83.03	86.07	89.83			139.9
80				73.31	73.91	75.12	75.20	75.59	77.12	77.96	79.14	80.91	81.66	83.75	86.16	88.24			139.7
100				74.22	74.24	74.71	76.42	76.88	77.82	78.79	80.23	81.46	82.95	84.91	87.65	89.89			139.8
125				81.46	84.15	81.30	82.18	80.69	81.32	79.27	80.89	86.65	86.23	87.76	88.13	89.61			148.9
160				75.15	74.67	73.97	75.59	76.21	78.83	78.52	79.22	81.15	81.86	83.92	85.27	86.95			138.8
200				74.18	72.13	71.74	73.78	74.59	76.86	79.32	77.69	78.25	79.33	81.21	83.25	85.25			136.8
250				71.43	68.52	67.36	70.15	71.15	73.29	74.65	75.11	75.33	75.65	77.37	77.61	76.62			132.5
315				72.26	71.16	71.36	68.98	68.97	68.85	72.18	71.50	72.32	73.42	74.73	76.48	75.17			138.7
400				76.12	74.27	75.99	74.88	72.45	73.61	74.89	75.69	77.22	79.51	81.86	81.83	78.72			138.6
500				77.14	77.73	77.89	77.98	77.68	77.97	78.85	79.88	81.81	83.48	85.97	83.35	80.26			140.1
630				77.61	78.17	77.44	79.42	79.99	79.77	80.72	80.83	82.78	84.85	85.64	84.18	81.86			140.2
800				76.38	76.79	75.66	77.62	78.16	80.54	85.29	83.91	86.81	85.14	84.55	82.86	81.21			141.6
1000				74.67	78.78	81.59	83.17	80.77	81.82	79.62	78.49	80.28	80.16	81.5	79.71	77.81			139.4
1250				80.39	86.57	89.28	93.15	91.82	92.88	91.71	86.38	86.89	85.87	87.15	8 .19	79.93			148.6
1600				76.56	78.78	84.35	89.21	88.88	86.17	84.84	81.88	82.45	84.20	82.88	81.86	78.83			140.9
2000				77.23	80.30	84.73	86.77	87.86	89.24	85.19	81.55	81.69	83.59	82.34	78.38	76.13			144.6
2500				75.29	76.66	79.42	79.80	82.94	88.93	82.62	80.68	79.37	77.11	77.49	76.08	74.18			139.7
3150				88.88	82.86	79.83	84.89	88.71	84.14	84.47	83.97	83.38	77.18	81.39	79.77	77.94			143.1
4000				82.45	84.88	80.38	85.94	82.58	85.83	86.83	83.66	85.19	84.21	84.86	80.26	79.33			144.9
5000				87.21	89.47	92.48	91.15	89.58	92.45	98.21	98.49	98.74	95.92	98.98	86.36	88.32			152.4
6300				83.64	83.67	83.62	80.34	81.61	81.91	83.94	83.48	84.67	83.98	81.28	77.99	77.43			144.8
8000				81.42	81.34	79.34	88.97	88.18	83.13	81.96	81.27	82.31	79.78	82.39	77.42	76.44			144.8
10000				79.97	79.77	78.89	80.22	79.59	82.69	89.95	84.57	87.16	89.98	82.22	77.85	77.11			149.1
MEASURED OASPL				94.86	96.52	97.87	99.29	98.39	99.45	99.17	98.12	98.95	188.4	99.88	98.98	99.63			
CALCULATED OASPL				93.17	95.87	95.83	98.88	97.85	98.35	98.87	96.94	97.58	99.11	98.83	97.16	97.98			
PNDB				187.6	189.4	116.8	111.4	110.5	112.4	111.5	111.9	111.6	115.9	111.7	108.8	107.7			

OAPWL: 157.8

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.80
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 ADG=146 SPEED=7780

RADIAL DISTANCE 250

DATE: 6/20/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET -,2	12,2	24,2	36,2	42,2	54,2	66,2	78,2	90,2	102,2	114,2	126,2	138,2	142,2	150,2	162,2	174,2 (PWL)
50				-4,58	-5,25	-5,82	-5,73	-5,59	-4,26	-1,88	-1,95	-1,23	-1,31	1,364	4,832	9,343	
63				-8,04	-7,58	-4,86	-6,12	-6,51	-5,25	4,964	-3,88	-2,43	-1,37	,9912	4,833	7,7v5	
87				-7,41	-6,61	-5,59	-5,43	-5,13	-3,59	-2,76	-1,55	,1879	,9464	3,034	5,445	7,976	
102				-7,53	-7,51	-7,84	-5,33	-4,87	-3,93	-2,96	-1,52	-,287	1,199	3,102	5,908	7,335	
125				-2,86	-,174	-3,81	-2,14	-3,63	-2,99	-5,05	-3,42	2,332	1,987	3,445	3,889	5,288	
162				-5,11	-6,56	-6,66	-4,66	-4,84	-2,22	-1,74	-1,83	,8968	1,686	3,662	5,819	5,793	
200				-3,69	-5,74	-6,13	-4,89	-3,28	-1,81	1,455	-,174	,3687	1,461	3,349	3,389	2,363	
250				-2,57	-5,46	-4,64	-3,85	-2,65	-,785	,6488	1,189	1,329	1,492	3,364	3,695	2,613	
315				,1763	-,923	-,729	-3,11	-3,11	-3,23	,8915	-,582	,4312	1,334	2,642	4,392	3,887	
407				-,822	-2,67	-,947	-2,86	-4,49	-3,33	-2,84	-1,24	,2828	2,966	4,922	4,885	1,781	
500				-3,18	-2,59	-2,79	-2,73	-2,63	-2,35	-2,26	-1,32	,8872	3,886	5,653	3,829	-,858	
632				-3,67	-3,11	-3,84	-1,86	-1,29	-1,51	-,908	-,455	1,422	2,768	4,398	2,983	-,224	
807				-6,47	-5,69	-6,81	-4,86	-4,32	-1,94	2,816	1,435	4,336	2,699	2,872	-,428	-1,26	
1027				-5,44	-1,33	1,485	3,859	,6654	1,711	-,487	-1,61	,1693	,8468	1,454	-,481	-3,10	
1250				-6,73	-2,55	,8844	4,854	2,699	2,668	2,585	-2,82	-1,82	-3,85	-1,97	-4,95	-8,19	
1602				-6,71	-4,58	1,867	1,986	1,882	2,891	1,999	-1,89	-,829	1,981	-,399	-1,48	-8,85	
2007				-7,59	-4,32	,1825	4,149	2,468	4,415	,9767	-3,88	-2,98	-1,83	-2,29	-6,84	-8,49	
2500				-4,17	-2,79	-,836	,3424	3,484	1,868	3,164	1,195	-,893	-2,38	-1,76	-3,38	-8,28	
3150				-1,84	-,453	-3,49	1,972	3,192	1,622	1,949	1,449	,8838	-8,39	-1,12	-2,79	-4,86	
4000				-1,32	1,112	-3,47	1,769	-1,19	2,899	2,259	-,118	1,414	,4395	,2885	-3,81	-4,44	
5000				-3,93	-1,48	-,549	,2818	-1,37	1,588	-,739	1,958	-,283	4,979	,8369	-4,58	-8,62	
6300				1,469	1,299	1,849	-2,83	-,761	-,458	1,567	1,189	2,293	1,932	-1,89	-4,37	-4,94	
8000				,6798	,6837	-1,48	-,188	-,556	2,388	1,219	,5277	1,572	-,981	1,646	-3,32	-4,29	
10000				-2,95	-3,15	-4,83	-2,78	-3,33	-,229	3,828	1,653	4,239	3,859	-,781	-8,87	-8,81	

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 25,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RUN=13 RDG=146 SPEED=7780

D43

RADIAL DISTANCE 250

DATE: 3/04/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.0	10.0	22.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	142.2	150.0	160.0	170.0	(PWL)
50				75.62	74.65	73.73	73.76	73.59	74.78	77.49	76.96	77.73	78.85	80.67	83.51	87.49			136.6
63				74.63	74.56	76.13	75.98	75.92	75.54	86.71	77.89	77.99	79.34	82.18	84.65	88.82			139.8
80				72.92	73.22	73.76	74.28	73.76	75.54	76.51	77.35	79.16	80.88	82.84	84.48	86.41			137.8
100				74.23	73.14	73.39	75.49	75.19	76.72	77.75	78.95	79.88	81.55	83.31	86.22	87.38			138.4
125				75.48	77.27	74.11	75.38	76.32	77.94	77.81	80.87	83.36	87.99	84.39	87.61	88.87			140.9
160				74.44	73.86	71.92	74.16	75.84	76.85	77.62	77.92	79.81	80.49	82.21	83.51	84.15			136.9
200				73.91	71.31	71.32	72.97	73.43	75.32	79.05	76.89	77.67	78.10	79.53	81.98	78.76			133.1
250				71.48	68.28	66.24	66.69	70.58	73.96	74.31	75.83	75.29	74.12	75.62	76.59	76.67			131.9
315				72.93	71.87	70.14	68.79	68.30	68.63	71.59	71.27	72.36	71.86	75.73	75.37	73.89			130.2
400				77.28	74.34	74.62	73.89	70.47	72.14	74.02	72.46	74.44	77.98	81.93	79.48	76.99			134.9
500				77.33	77.77	77.46	77.89	75.79	76.78	76.76	77.23	78.39	81.25	84.92	82.18	78.58			137.6
630				78.48	78.21	78.11	80.48	80.37	80.37	81.49	80.23	81.01	83.48	85.81	83.36	79.87			140.3
800				75.28	75.91	75.31	76.99	78.52	80.74	84.66	83.88	84.50	84.95	82.89	80.29	78.65			140.6
1000				76.86	76.91	77.79	80.35	77.33	78.31	77.89	76.92	79.11	79.56	81.76	78.21	75.98			137.5
1250				78.55	84.38	81.92	85.97	86.35	87.41	84.96	82.27	80.31	79.98	87.21	82.69	77.78			144.8
1600				76.16	78.74	80.96	83.79	81.88	83.77	81.17	80.57	81.78	83.98	81.02	78.59	77.49			140.9
2000				78.71	78.64	83.91	88.19	85.95	90.24	85.32	81.47	81.87	83.36	81.44	78.48	78.87			144.9
2500				75.53	76.16	79.76	81.96	84.86	83.82	84.69	81.37	79.79	77.98	77.63	75.82	73.87			141.8
3150				80.44	81.94	77.92	85.76	86.31	85.69	85.96	83.91	82.69	77.93	81.19	78.73	77.89			144.9
4000				83.34	85.46	88.26	86.98	83.72	86.71	86.92	84.10	82.18	86.85	84.38	80.84	79.95			148.9
5000				87.87	91.32	89.77	93.46	91.36	94.26	89.84	91.61	95.47	94.71	89.86	87.58	84.92			153.3
6300				85.98	85.46	84.96	83.38	83.38	82.29	84.62	83.92	86.18	84.57	88.97	78.89	78.31			148.9
8000				82.99	81.34	78.98	81.69	81.84	80.77	81.44	80.88	82.79	88.28	88.78	76.64	76.79			144.6
10000				80.82	80.49	78.75	81.47	80.14	85.80	86.92	83.42	87.89	85.66	81.97	77.38	77.27			149.4
MEASURED OASPL				95.41	96.56	95.39	98.64	98.24	99.48	98.12	97.17	99.58	99.89	98.71	97.91	98.17			
CALCULATED OASPL				93.34	95.26	94.23	97.38	97.07	98.38	97.28	96.04	98.68	98.68	97.19	96.81	96.91			
PNDB				107.7	110.2	109.1	112.4	111.4	113.2	111.1	111.1	113.8	113.3	110.9	108.7	108.9			

OAPWL: 157.8

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=147 SPEED=7500

RADIAL DISTANCE 250

DATE: 3/04/72

SOUND PRESSURE LEVEL DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	12,0	24,0	36,0	42,0	54,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	142,0	150,0	160,0	170,0	(PWL)
50				-3,17	-4,14	-5,06	-5,02	-5,19	-4,28	-1,29	-1,82	-1,06	,732	1,881	4,725	8,786			
63				-6,52	-6,59	-3,02	-3,17	-6,13	-5,61	5,961	-3,25	-3,16	-1,81	1,826	3,499	6,874			
80				-6,12	-5,83	-5,28	-4,79	-5,28	-3,50	-2,34	-1,49	,1169	,9999	2,999	5,434	7,371			
100				-6,29	-7,18	-6,93	-4,83	-5,13	-3,66	-2,58	-1,37	,522	1,226	2,985	5,895	7,256			
125				-7,25	-5,[illegible]	-8,62	-7,38	-6,41	-4,79	-4,92	-2,66	,6282	4,863	3,619	4,872	5,833			
160				-4,29	-5,67	-6,81	-4,58	-3,69	-1,89	-1,11	-,813	1,877	1,764	3,449	4,776	5,415			
200				-2,86	-5,48	-5,47	-3,82	-3,36	-1,47	2,257	,8976	,8886	1,312	2,761	4,796	1,971			
250				-2,01	-5,29	-7,25	-4,85	-2,91	,0661	,8282	2,336	1,884	,6285	2,126	3,393	3,175			
315				1,242	-,587	-1,51	-2,87	-3,36	-3,83	-,870	-,392	,6987	,2882	4,866	3,787	2,214			
400				1,479	-1,44	-1,16	-1,88	-5,30	-3,63	-1,75	-3,31	-1,31	2,185	5,756	3,785	1,224			
500				-1,64	-1,19	-1,48	-1,89	-3,17	-2,18	-2,28	-1,73	-,637	2,288	5,954	3,189	-,486			
630				-2,74	-3,81	-3,11	-,886	-,856	-,854	,2665	-,991	,6489	2,429	4,589	2,116	-1,36			
800				-6,25	-5,57	-6,17	-4,49	-2,96	-,738	3,183	1,999	3,114	3,472	1,489	-1,18	-1,84			
1000				-2,16	-1,31	-,424	2,128	-,894	,8889	-,331	-1,2[illegible]	,9593	1,336	3,537	-,818	-2,32			
1250				-6,08	-,173	-2,65	,9168	1,765	2,858	,4125	-2,28	-4,29	3,428	2,456	-1,86	-3,77			
1600				-5,11	-2,53	-,313	2,476	,8858	2,883	-,898	-,783	,4841	2,261	,9475	-2,78	-3,78			
2000				-5,27	-6,33	-1,87	3,124	3,978	5,264	,3431	-3,51	-3,74	-1,82	-3,53	-6,95	-5,11			
2500				-5,76	-5,14	-1,54	-,238	5,565	1,785	3,488	,8753	-1,49	-3,79	-3,66	-6,27	-7,42			
3150				-3,19	-2,86	-5,78	2,138	4,681	2,864	1,936	-,114	1,028	-5,69	-2,44	-4,89	-5,74			
4000				-1,49	,8253	-4,57	2,146	-1,12	1,873	2,886	-,732	2,352	1,218	-,448	-4,29	-4,68			
5000				-4,75	-,491	-2,85	1,643	-,436	2,441	-1,97	-,285	3,661	2,894	-1,96	-4,24	-7,29			
6300				1,599	1,983	1,486	-,178	-,899	-1,19	1,148	,4394	2,623	1,894	-2,51	-4,89	-5,17			
8000				2,448	,7922	-1,37	1,148	,4855	,2144	,8867	,2516	2,242	-,397	,2522	-3,91	-3,88			
10000				-2,47	-2,88	-4,54	-1,81	-3,15	1,794	3,625	,1268	3,881	2,375	-1,32	-5,89	-6,92			

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,82
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=147 SPEED=7500

D45

RADIAL DISTANCE 250

DATE: 3/24/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 4.2	12.0	20.0	30.2	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				74.53	73.81	73.39	72.92	72.36	74.21	77.47	76.88	76.71	76.18	76.82	81.97	86.48			155.4
63				72.19	72.69	77.71	73.59	72.48	74.20	86.57	75.57	76.90	76.81	79.83	82.46	86.42			157.0
80				71.23	72.38	73.85	73.22	72.83	74.93	75.61	76.01	77.84	76.44	82.65	82.97	84.43			156.6
100				73.89	72.29	73.28	74.93	74.53	75.99	76.72	76.89	78.64	80.26	81.71	83.99	89.52			156.8
125				77.72	77.93	73.16	74.65	75.53	76.98	77.41	79.24	79.99	85.47	84.99	88.41	88.25			159.4
160				72.78	72.69	71.65	73.33	73.61	75.61	76.36	76.72	78.71	78.99	80.84	82.23	85.89			158.8
200				72.23	70.71	71.03	72.34	71.82	73.69	78.17	75.42	76.26	77.88	78.82	80.55	78.19			154.1
250				70.32	68.14	67.95	67.41	68.12	71.85	75.94	73.92	74.48	72.12	77.96	79.31	75.71			152.1
315				71.68	71.87	70.67	68.82	67.29	67.98	71.87	70.38	78.74	78.96	73.32	72.98	72.44			149.1
400				75.29	74.98	75.42	72.78	71.54	73.87	75.89	76.83	76.38	77.43	79.98	77.11	75.78			154.8
500				76.87	78.98	77.87	77.93	76.83	77.97	78.27	80.61	79.84	80.86	82.98	81.87	76.86			157.9
630				78.37	79.96	79.75	80.36	80.27	81.29	80.35	81.54	83.81	82.79	83.81	81.94	78.35			159.9
800				75.85	77.61	75.58	77.53	78.18	78.83	81.41	80.73	82.29	83.17	82.28	80.83	79.76			158.9
1000				76.88	79.28	79.67	78.82	79.66	76.71	79.28	78.74	78.58	79.66	80.32	77.56	76.85			157.8
1250				81.48	83.92	82.89	84.48	86.17	80.41	83.77	82.59	80.37	84.66	86.68	80.82	77.63			162.4
1600				78.25	80.13	81.63	81.23	80.24	81.45	79.19	78.96	81.84	83.24	81.99	79.32	77.81			160.2
2000				78.27	79.38	81.93	81.34	80.18	80.47	78.44	79.75	81.83	83.85	80.71	75.74	74.86			159.9
2500				77.58	78.12	80.28	78.55	82.75	78.47	81.43	82.58	81.42	78.43	78.36	74.39	75.82			159.7
3150				82.42	82.11	78.31	83.13	80.15	84.46	80.27	84.77	84.91	80.83	82.53	78.88	79.87			164.1
4000				85.81	86.36	83.19	80.21	84.99	80.77	87.93	89.29	89.92	87.35	86.66	81.84	82.87			168.1
5000				88.18	91.54	91.89	94.51	90.81	94.11	89.23	96.39	92.42	94.17	91.48	85.69	85.93			183.7
6300				86.34	86.38	86.51	82.97	84.71	81.87	86.66	87.39	87.48	86.82	82.11	78.85	79.35			167.3
8000				84.73	88.99	79.63	81.16	80.14	80.52	82.45	83.93	83.98	82.16	82.28	77.89	78.39			165.5
10000				81.84	80.36	79.83	80.36	80.42	80.74	84.39	86.66	84.65	86.38	82.78	76.84	77.87			165.8
MEASURED OASPL				95.89	96.95	96.62	98.28	96.52	98.37	97.45	100.1	98.99	99.23	98.48	96.47	97.37			
CALCULATED OASPL				94.42	95.68	95.48	97.18	95.39	97.21	96.82	99.23	97.98	98.12	97.15	94.88	95.81			
PNDB				100.7	110.6	110.4	112.3	110.8	112.3	110.4	114.4	112.8	113.8	111.6	107.9	107.3			
																		OAPWL:	157.8

AMBIENT TEMP. 32.20
WET-BULB TEMP. 30.88
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=148 SPEED=7300

RADIAL DISTANCE 250

DATE: 3/24/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 4,2	12,2	20,2	30,0	42,2	52,7	60,7	72,0	82,2	90,0	100,0	110,0	120,2	130,0	140,2	150,2	160,0	170,0	(PWL)
50				-3,15	-3,86	-4,28	-4,75	-5,31	-3,47	-,204	-1,59	-,968	-1,49	1,145	4,299	5,803			
63				-7,79	-7,28	-2,27	-6,39	-7,49	-5,78	6,589	-4,01	-3,86	-1,97	-,155	2,480	6,444			
80				-6,39	-5,24	-4,59	-4,42	-4,79	-2,69	-2,01	-1,61	,2154	,8218	3,029	5,349	7,814			
100				-5,68	-6,47	-5,49	-3,85	-4,24	-2,81	-2,06	-,677	-,134	1,491	2,938	5,219	6,745			
125				-3,55	-3,35	-8,11	-6,82	-5,75	-4,35	-3,86	-2,03	-1,28	4,200	3,314	4,342	6,982			
160				-4,73	-4,83	-5,86	-4,19	-3,90	-1,90	-1,15	-,794	1,198	1,484	3,328	4,715	5,577			
200				-3,52	-5,05	-4,72	-3,42	-3,94	-2,06	2,415	-,331	,5894	1,332	3,071	4,705	2,442			
250				-3,37	-5,55	-6,63	-6,27	-5,57	-1,84	2,251	,2349	,7925	-1,57	4,277	5,623	2,019			
315				1,100	1,289	,0933	-2,56	-3,28	-2,60	1,289	-,199	,1803	,3806	2,741	2,405	2,067			
400				-,308	-,622	-,179	-2,89	-4,26	-1,93	,2951	,4274	,7455	1,833	4,381	1,989	,1809			
500				-2,17	-1,84	-1,17	-1,18	-2,21	-1,07	-,763	1,569	,7999	1,822	3,944	2,828	-2,18			
630				-2,59	-1,39	-1,22	-,589	-,682	,3389	-,601	,5901	2,852	1,831	2,892	,9837	-2,60			
800				-4,84	-2,28	-4,32	-2,37	-1,71	-1,06	1,518	,8378	2,393	3,273	2,391	,1356	-,128			
1000				-1,65	,7524	1,357	,2935	1,137	-1,82	,7539	,2145	,3545	1,139	1,791	-,964	-1,68			
1250				-2,46	-,822	-1,09	,5327	2,226	1,466	-,177	-1,36	1,429	,7128	2,748	-3,13	-6,31			
1600				-2,23	-,394	1,153	,7499	,241	,9665	-1,28	-,925	1,357	2,762	1,111	-1,16	-2,67			
2000				-1,78	-,742	1,683	1,290	,1485	,4853	-1,59	-,298	1,786	3,811	,0714	-4,30	-5,18			
2500				-1,89	-1,58	,5829	-1,14	3,059	-1,22	1,739	2,887	1,729	-1,26	-1,34	-5,41	-4,68			
3150				-1,16	-1,47	-2,27	-,448	1,978	,8882	1,684	3,198	3,324	-3,55	-1,09	-4,78	-4,52			
4000				-1,92	-,579	-3,75	1,276	-1,94	1,839	,9915	2,357	2,988	,4133	-,271	-5,89	-4,86			
5000				-4,06	-,661	-,603	2,309	-2,19	1,911	-2,97	4,189	,2249	1,989	-,714	-6,58	-6,66			
6300				1,442	1,401	1,609	-2,33	-,189	-3,84	1,761	2,489	2,499	1,116	-2,79	-6,86	-5,56			
8000				3,197	-,537	-1,98	-,369	-1,39	-1,81	,9281	2,396	2,446	,6289	,6092	-4,44	-3,13			
10000				-1,65	-2,33	-2,86	-2,33	-2,27	-4,96	1,787	3,969	1,943	3,886	,8882	-5,86	-5,42			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY ,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=148 SPEED=7300

RADIAL DISTANCE 25ft

DATE: 3/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ,	ANGLES FROM INLET 7.0	10.0	20.0	30.0	40.0	52.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	152.0	160.0	170.0	(PWL)
50				74.19	73.81	72.61	72.15	71.70	73.25	76.69	74.71	75.66	75.28	77.48	79.95	83.93			139.9
63				72.88	72.66	77.59	73.07	72.16	73.42	86.83	74.54	75.49	77.83	78.38	80.72	83.93			139.1
80				71.95	72.09	72.11	72.48	72.16	73.96	73.79	74.87	76.53	77.38	79.34	81.15	82.79			134.2
100				73.38	72.96	73.89	74.45	73.65	75.79	75.57	76.79	77.55	79.25	80.62	82.47	83.92			136.7
125				78.01	78.54	78.63	78.86	75.75	79.67	77.15	77.68	78.29	79.84	81.68	82.64	85.69			137.6
160				73.43	73.28	78.89	72.72	73.19	75.84	75.39	75.59	77.59	78.13	79.64	80.49	81.89			134.8
200				73.17	71.62	70.47	71.41	71.51	74.84	77.76	74.69	75.69	76.48	78.22	79.35	77.87			133.5
250				71.53	68.82	66.15	67.92	68.86	71.32	71.43	71.97	73.18	73.91	75.62	75.23	74.21			130.3
315				72.45	72.36	70.46	69.76	67.98	68.57	70.96	68.93	69.67	71.55	71.89	71.95	71.60			130.8
400				74.71	74.88	74.15	73.89	71.71	72.91	73.69	71.84	74.19	77.27	76.16	76.32	73.97			132.9
500				77.46	76.99	77.37	76.92	76.42	76.67	75.45	76.67	78.37	79.92	81.99	78.58	74.91			134.3
630				78.44	80.28	78.49	79.79	79.13	79.28	78.77	79.55	81.79	82.58	82.69	80.55	77.68			138.9
800				78.39	79.35	76.54	78.38	78.88	78.44	79.38	79.39	81.88	83.91	86.88	79.65	79.66			136.3
1000				77.96	79.22	81.49	81.34	78.63	77.74	77.46	76.96	78.85	79.39	79.21	76.84	77.19			137.8
1250				83.12	86.67	83.89	84.12	82.83	82.48	81.58	81.86	83.12	86.79	86.85	83.89	77.83			140.9
1600				82.25	83.38	82.18	81.76	79.37	83.23	83.86	80.71	83.53	84.04	83.16	80.87	78.71			141.6
2000				81.12	82.78	83.62	81.81	80.11	82.21	78.97	79.71	83.19	85.63	82.85	76.74	76.78			141.5
2500				88.97	88.62	82.14	79.74	83.66	80.95	83.12	83.34	83.32	85.38	80.52	78.86	76.74			141.5
3150				85.62	84.69	80.37	83.71	84.79	85.19	86.56	87.55	89.28	81.45	84.37	80.1\	80.56			145.9
4000				87.49	89.82	84.28	91.83	86.37	90.37	88.54	87.89	92.48	89.49	83.69	84.11	83.72			149.7
5000				87.73	91.83	88.86	94.14	89.69	92.47	87.71	89.98	93.78	93.85	90.38	86.17	84.62			152.1
6300				86.69	85.59	85.71	82.28	84.39	83.89	85.69	86.63	87.71	86.39	81.85	79.34	79.62			147.1
8000				84.28	81.96	79.81	81.44	80.78	82.15	82.73	83.99	84.83	83.19	83.38	78.18	78.42			144.1
10000				83.88	88.75	79.34	80.76	80.17	81.21	83.33	86.69	84.81	85.59	84.29	77.46	77.52			146.9
MEASURED OASPL				97.44	98.28	95.97	96.79	96.26	98.23	97.17	97.41	100.8	99.24	98.26	95.66	96.86			
CALCULATED OASPL				95.55	96.57	94.67	97.61	95.84	96.91	96.14	96.52	99.88	98.81	96.95	94.14	94.59			
PNDB				109.7	111.1	108.9	112.3	109.7	111.7	110.3	110.7	113.5	112.7	111.3	107.7	108.9			

OAPWL: 157.6

AMBIENT TEMP,	31.00
WET-BULB TEMP,	29.00
BAR. PRESSURE	28.76
ABS. HUMIDITY	3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RUG=149 SPEED=7100

RADIAL DISTANCE 250

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
52				-1,90	-2,28	-3,48	-3,94	-4,39	-2,84	,6020	-1,39	-,434	-,815	1,384	3,658	7,839			
63				-6,48	-6,62	-1,69	-6,21	-7,12	-5,87	7,543	-4,74	-3,79	-2,26	-,781	1,436	4,649			
80				-4,26	-4,11	-4,12	-3,73	-4,05	-2,25	-2,41	-1,34	,3228	1,098	3,137	4,939	6,579			
100				-3,76	-4,68	-4,55	-3,18	-3,98	-1,84	-2,06	-,846	-,889	1,689	2,978	4,833	6,279			
125				-1,43	-,908	-,816	-,567	-3,69	,2299	-2,29	-1,84	-1,15	,4812	2,289	3,281	6,245			
160				-3,07	-3,22	-5,61	-3,77	-3,31	-,862	-1,11	-,899	1,988	1,622	3,144	3,989	5,481			
200				-1,99	-3,94	-4,69	-3,76	-3,65	-1,12	2,598	-,470	,5368	1,314	3,859	4,188	1,984			
250				-,319	-3,83	-5,69	-3,93	-2,99	-,533	-,397	,1184	1,253	2,864	3,778	3,377	2,355			
315				2,239	2,147	,2529	-,450	-2,23	-1,64	,7451	-1,28	-,544	1,343	1,683	1,324	1,394			
400				,4342	-,194	-,122	-,378	-2,58	-1,76	-,577	-2,43	-,899	3,881	3,888	2,844	-,298			
500				-,812	-,480	-,182	-,598	-1,85	-,883	-2,82	-,796	,8979	2,448	4,186	1,833	-2,56			
630				-1,46	,3743	-1,48	-,118	-,771	-,788	-1,14	-,354	1,888	2,675	2,986	,6411	-2,83			
800				-,771	,1907	-2,61	-,852	-1,07	-,716	,2185	,2361	2,724	1,754	1,648	,4966	,5868			
1000				-,596	,6583	2,932	2,786	,2672	-,818	-1,09	-1,68	,2944	,7964	,6536	-1,72	-1,36			
1250				-,367	3,183	,4814	,6547	-1,26	-1,89	-1,91	-2,42	1,638	3,311	2,568	-3,39	-6,26			
1600				,3748	1,426	,3889	-,119	-8,51	1,386	-1,82	-1,17	1,698	3,862	1,281	-1,81	-3,17			
2000				-,479	1,176	2,817	,2855	-1,49	,6831	-2,63	-1,89	1,596	4,829	1,247	-4,88	-4,83			
2500				-,308	-,658	,8656	-1,53	2,381	-,719	1,848	2,862	2,846	-,971	-,756	-5,39	-4,53			
3150				,6638	-,242	-4,56	-1,22	-,134	,2682	1,628	2,616	4,349	-3,48	-,566	-4,78	-4,38			
4000				-1,07	,4563	-4,36	2,466	-2,19	1,885	-,829	-,673	3,839	,9288	,1346	-4,45	-4,84			
5000				-2,94	,3584	-2,61	3,469	-,976	1,799	-2,96	-,692	3,832	2,383	-,292	-4,49	-6,85			
6300				2,007	,9287	1,829	-2,39	-,292	-1,58	1,887	1,948	3,828	1,715	-2,83	-5,34	-5,86			
8000				2,105	-,165	-2,31	-,482	-1,42	,8247	,6857	1,866	2,787	1,869	1,264	-4,82	-3,78			
10000				,3632	-1,97	-3,30	-1,98	-2,54	-1,58	,6188	3,983	2,899	2,879	1,971	-5,25	-5,19			

AMBIENT TEMP,	31,00
WET-BULB TEMP,	29,00
BAR, PRESSURE	28,76
ABS, HUMIDITY	3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=149 SPEED=7100

RADIAL DISTANCE 250

DATE: 3/03/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.2	12.0	22.0	32.2	42.0	52.7	62.2	72.0	82.2	92.2	102.2	112.8	122.0	132.0	142.0	152.2	162.0	172.8	(PWL)
50				77.87	72.29	71.17	70.73	70.49	72.87	72.36	73.75	75.82	74.47	74.57	78.96	83.83			138.9
63				77.69	71.60	75.86	71.46	70.35	71.70	73.51	73.47	74.31	75.19	76.82	79.38	82.99			133.3
80				76.47	70.16	70.23	70.35	70.54	72.49	73.87	73.56	75.23	76.21	77.95	79.69	81.27			132.9
100				77.21	71.37	72.31	73.49	72.46	74.47	75.47	75.59	76.35	77.44	79.82	81.35	82.90			134.6
125				78.48	76.95	74.26	76.13	74.89	76.49	77.24	79.93	79.88	77.63	79.13	80.66	82.97			138.5
160				76.64	71.18	69.36	71.18	71.76	73.51	73.69	74.13	76.87	76.67	78.81	79.43	80.46			133.5
200				75.87	68.97	69.12	70.29	70.52	71.89	72.64	72.66	74.83	74.97	77.27	78.66	76.29			132.8
250				74.75	65.99	66.81	66.81	67.41	70.89	68.99	69.30	78.47	78.57	76.23	76.28	74.47			129.7
315				77.82	71.97	69.23	66.22	66.42	65.49	69.29	67.79	78.89	78.83	78.87	69.35	71.83			128.4
400				77.94	73.83	73.45	69.44	68.22	78.88	72.92	72.28	93.83	74.47	75.55	72.98	73.19			131.5
500				79.29	76.87	76.83	74.18	77.88	75.16	76.61	77.82	77.81	78.49	79.68	79.85	72.86			138.3
630				88.34	79.26	77.52	79.26	78.49	78.15	79.49	79.99	81.51	81.33	81.78	79.14	78.20			138.3
800				79.88	76.29	75.67	78.76	79.22	77.49	78.81	77.28	88.89	79.76	80.92	78.84	78.38			137.5
1000				81.59	81.33	81.04	77.83	77.18	76.13	78.45	76.85	79.17	78.86	78.82	77.49	77.82			137.7
1250				88.48	80.41	84.29	85.41	80.95	81.89	82.89	88.38	84.89	85.17	84.81	78.19	77.82			142.8
1600				83.89	82.96	83.16	83.18	82.06	82.84	88.61	79.75	88.54	85.55	84.25	78.84	78.14			141.9
2000				83.57	82.27	84.61	82.33	80.79	81.89	88.31	79.82	88.59	84.83	83.28	76.47	77.69			141.7
2500				83.19	81.17	83.27	88.15	84.16	79.98	83.61	83.61	83.39	88.68	81.81	75.76	77.27			141.9
3150				86.35	84.66	81.63	83.93	85.97	84.38	86.51	87.35	88.48	81.46	85.88	79.48	88.74			149.4
4000				89.29	98.69	86.92	93.16	91.95	94.91	94.24	91.63	93.94	98.18	98.55	84.29	85.39			152.7
5000				85.83	86.28	86.13	88.58	87.96	89.95	89.61	87.85	89.18	89.40	87.62	88.81	81.48			149.1
6300				85.94	82.98	85.18	81.59	83.98	82.83	85.98	86.77	87.99	85.23	88.47	77.78	78.27			146.7
8000				84.45	81.17	81.42	81.79	82.84	82.48	84.73	83.57	85.88	83.39	84.14	77.85	78.71			146.7
10000				83.87	78.24	79.21	78.21	80.84	79.32	83.33	81.59	83.88	82.86	81.96	75.77	76.75			144.8
MEASURED OASPL				99.14	96.96	95.98	97.46	97.84	98.25	98.63	97.36	99.15	97.77	97.71	94.26	94.95			
CALCULATED OASPL				96.49	95.66	94.77	96.98	96.19	97.56	97.81	96.49	98.24	96.68	96.58	92.71	93.71			
PNDB				111.2	110.8	109.9	112.8	111.6	113.1	113.3	111.7	113.6	111.9	111.6	108.5	107.3			

OAPWL: 157.4

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR, PRESSURE 28.76
ABS, HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=15P SPEED=6900

D50

RADIAL DISTANCE 250

DATE: 3/23/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	7.5	17.5	27.5	37.5	47.5	57.5	67.5	77.5	87.5	97.5	107.5	117.5	127.5	137.5	147.5	157.5	167.5	177.5	(PWL)
50				2,754	-2,53	-3,95	-4,39	-4,63	-3,85	-2,76	-1,37	-,102	-,644	1,448	3,839	7,912			
63				2,278	-3,81	,4521	-3,96	-5,08	-3,71	-1,98	-1,95	-1,10	-,228	1,486	3,898	7,973			
80				1,464	-4,85	-4,77	-4,65	-4,47	-2,52	-1,93	-1,45	,2189	1,285	2,939	4,685	6,261			
100				,6699	-5,16	-4,23	-3,05	-4,28	-2,07	-1,07	-,949	-,194	1,096	2,481	4,812	5,965			
125				1,229	-,426	-3,11	-1,24	-2,48	-,879	-,135	-1,45	-,497	,2576	1,759	3,288	5,592			
160				1,369	-4,87	-5,89	-4,07	-3,29	-1,74	-1,56	-1,12	,8223	1,422	3,264	4,176	5,211			
200				2,227	-4,68	-4,53	-3,35	-3,17	-1,75	-1,02	-,989	,3869	1,320	3,623	3,814	2,642			
250				3,535	-5,22	-5,27	-4,42	-3,80	-1,12	-2,23	-1,91	-,749	-,649	5,015	5,063	3,251			
315				7,225	2,172	-,573	-3,58	-3,38	-4,31	-,497	-2,08	,2931	,2555	1,076	-,449	2,033			
400				5,289	,1852	,3965	-3,41	-4,63	-2,76	,0689	-,565	,9859	1,624	2,698	,0531	,3468			
500				2,798	,3785	,3244	-2,39	-2,69	-1,34	,1183	,5153	1,388	1,986	3,179	-,681	-3,64			
630				,6988	-,883	-1,83	-,785	-,847	-1,19	,1554	,6516	2,168	1,989	2,441	-,284	-4,14			
800				,7266	-2,28	-2,69	,3892	,8482	-,877	,4364	-1,89	1,723	1,389	2,549	,4666	-,869			
1000				3,191	2,927	2,636	-,572	-1,23	-2,28	,0478	-1,55	,7649	,4312	,4143	-,919	-,589			
1250				2,697	3,625	1,513	,6275	-1,83	-1,69	-,883	-2,48	1,387	2,387	1,224	-4,58	-5,56			
1600				,8654	,7363	,9366	,8889	-,159	,6195	-1,61	-2,47	,3826	3,329	2,833	-2,38	-6,89			
2000				1,541	,5426	2,881	,6283	-,939	-,632	-1,42	-1,91	,8717	3,186	1,549	-5,26	-4,83			
2500				1,423	-,613	1,495	-1,64	2,374	-1,80	1,822	1,821	1,569	-1,18	,8227	-6,83	-4,51			
3150				1,472	-,218	-,125	-,945	1,396	-,576	1,631	2,472	3,544	-3,41	,2844	-5,43	-4,13			
4000				-2,31	-,926	-4,68	1,553	,3473	3,385	2,635	,8273	2,339	-1,42	-1,85	-7,31	-6,21			
5000				-1,83	-1,38	-1,53	,9169	,2988	2,284	1,947	,1871	1,519	1,838	-,843	-6,85	-6,24			
6300				1,664	-1,72	,8234	-2,68	-,296	-2,25	1,698	2,492	3,785	,9497	-1,81	-6,58	-5,81			
8000				1,757	-1,49	-1,24	-,873	,1741	-,258	2,863	,9846	2,412	,7358	1,481	-5,61	-3,55			
10000				2,385	-2,44	-1,48	-2,48	-,849	-1,37	2,642	,9887	2,315	2,172	,8665	-4,92	-3,94			

AMBIENT TEMP, 31,02
WET-BULB TEMP, 29,02
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 3B - 5C IGVS 9 DEG OPEN T/D 2/17/72

RUN=13 BDG=157 SPEED=6928

RADIAL DISTANCE 250

DATE: 3/24/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.7	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				77.67	71.59	70.49	69.61	69.48	71.91	70.98	73.23	74.21	73.48	75.61	77.63	81.33			131.8
63				75.90	69.69	75.33	70.34	69.58	71.75	72.84	72.49	73.69	74.46	75.97	77.74	80.83			132.0
80				75.29	67.96	68.36	69.43	69.39	71.94	71.84	72.83	74.84	74.46	76.26	77.67	79.00			131.4
100				76.82	69.80	70.89	74.39	73.55	75.09	73.04	74.78	74.99	76.95	77.89	79.47	80.47			133.5
125				77.19	75.98	69.83	72.79	72.28	74.81	73.83	74.28	75.45	76.71	77.65	79.88	80.69			133.9
160				76.17	69.81	67.95	69.82	70.89	72.24	72.45	73.89	74.92	75.32	76.68	77.73	78.95			132.8
200				75.54	66.56	66.87	66.59	66.93	70.67	71.65	72.12	73.79	74.41	76.48	77.48	74.99			131.1
250				71.83	61.58	62.97	62.82	64.06	66.51	66.59	68.11	69.56	69.63	72.87	73.89	73.82			127.3
315				73.82	69.78	67.93	65.83	64.65	65.16	66.58	65.94	67.58	66.77	68.83	68.10	69.79			126.1
400				75.12	71.43	72.82	69.75	68.67	70.28	70.48	69.87	71.13	71.89	73.46	71.71	70.95			129.7
500				77.64	76.83	75.71	74.45	73.45	74.32	74.58	74.78	75.73	75.99	76.83	74.15	76.74			133.8
630				78.21	79.44	77.28	75.86	77.34	76.58	76.43	76.65	79.69	79.61	81.82	78.16	75.41			137.2
800				77.19	78.93	75.69	77.60	77.88	75.58	77.73	76.93	79.38	79.59	80.25	77.83	76.96			136.7
1000				80.76	80.87	81.37	77.84	75.74	75.48	76.39	75.86	77.72	79.89	78.41	76.82	76.18			137.8
1250				83.62	86.62	83.79	80.77	80.41	80.88	80.37	79.47	80.97	84.84	83.86	77.98	78.83			141.6
1600				81.94	83.69	83.49	81.84	79.35	81.51	79.69	79.82	83.87	86.48	84.82	79.51	77.45			141.8
2000				80.98	84.88	83.45	81.89	79.98	80.37	78.87	79.23	81.49	84.33	83.42	76.98	76.41			141.1
2500				80.49	82.45	83.94	79.65	82.89	79.17	80.75	80.37	80.21	81.89	81.49	78.97	76.48			141.6
3150				84.23	85.76	81.36	83.67	84.49	83.93	85.53	86.87	88.38	81.88	84.77	79.74	80.14			144.9
4000				88.33	91.70	85.79	91.13	88.81	92.88	92.31	88.83	91.78	88.53	82.11	85.21	84.13			151.1
5000				81.13	84.89	83.19	83.52	82.12	83.34	83.54	83.97	84.62	88.71	85.38	78.68	78.28			145.2
6300				82.14	82.95	84.18	80.64	82.26	82.83	84.42	86.55	87.39	87.98	82.19	78.28	78.39			144.4
8000				81.24	83.88	81.26	82.14	82.37	81.86	82.71	84.69	84.85	86.11	84.95	78.23	78.32			146.8
10000				78.11	78.87	77.91	76.83	77.28	76.89	79.78	79.69	81.25	83.35	80.59	75.85	75.49			143.1
MEASURED OASPL				96.99	97.32	95.87	95.91	94.46	96.88	96.45	95.91	97.64	97.89	97.57	93.37	93.46			
CALCULATED OASPL				94.36	96.19	93.92	94.84	93.47	95.82	95.62	95.84	96.64	96.93	96.54	92.88	92.26			
PNDB				189.4	111.4	187.9	110.4	188.5	110.8	111.3	189.8	111.9	111.9	110.0	186.6	186.4			
																		OAPWL:	156.1

D52

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=151 SPEED=6620

RADIAL DISTANCE 250

DATE: 3/04/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,2	10,2	22,0	30,2	40,2	50,2	60,2	70,0	80,0	90,2	100,0	110,0	120,0	130,0	140,0	150,0	160,2	170,0	(PWL)
52				3,066	-2,41	-3,51	-4,39	-4,60	-2,09	-3,02	-,772	,2842	-,528	1,608	3,623	7,329			
63				1,733	-4,47	1,164	-3,83	-4,49	-2,43	-1,33	-1,68	-,479	,2868	1,797	3,569	6,659			
80				1,871	-5,46	-5,06	-3,99	-4,82	-1,48	-1,58	-,586	,6194	1,836	2,636	4,249	5,582			
100				1,360	-5,65	-4,56	-1,11	-1,91	-,367	-2,42	-,673	-,467	1,497	2,437	4,814	5,814			
125				1,816	,5973	-5,55	-2,59	-3,10	-1,37	-2,35	-1,09	,8734	1,327	2,268	3,698	5,389			
160				2,388	-4,77	-5,84	-3,96	-3,69	-1,54	-1,33	-,892	1,139	1,942	2,981	3,944	4,768			
200				2,781	-6,18	-3,89	-4,16	-3,83	-2,89	-1,11	-,639	1,828	1,652	3,642	4,717	2,233			
252				3,008	-7,24	-5,86	-6,01	-4,77	-2,32	-2,23	-,721	,7356	,8066	4,648	5,866	4,198			
315				6,248	2,211	,3622	-1,73	-2,91	-2,46	-1,07	-1,63	-,821	-,797	1,264	,5347	2,229			
402				4,119	,4213	1,417	-1,28	-2,34	-,725	-,524	-1,14	,1268	,5855	2,458	,7884	-,893			
500				2,699	1,898	,7713	-,491	-1,49	-,619	-,436	-,159	,7952	1,882	3,894	-,791	-4,19			
630				-,885	1,227	-,935	,6497	-,873	-1,63	,2187	,4422	1,475	1,488	2,887	-,859	-4,88			
800				-,391	1,349	-1,88	,8261	-,497	-2,88	,1564	-,652	1,885	2,814	2,669	,2918	-1,82			
1002				2,991	3,181	3,603	,8798	-2,83	-2,29	-1,38	-1,98	-,846	1,331	,6478	-,947	-1,99			
1252				1,497	4,498	1,859	1,648	-1,72	-1,62	-1,75	-2,48	,4459	1,913	1,731	-4,14	-5,89			
1602				-,147	1,612	1,487	-,249	-2,73	-,871	-2,39	-2,27	,8858	4,388	2,733	-2,97	-4,64			
2000				-,166	2,936	2,384	,7939	-1,24	-,772	-2,28	-1,91	,3493	3,185	2,271	-4,56	-4,74			
2502				-,877	1,887	2,181	-1,71	1,925	-2,19	1,388	2,884	1,843	-,264	,1251	-5,39	-4,89			
3152				-,288	1,327	-3,87	-,764	,8610	-,586	1,892	2,448	3,948	-2,55	,3332	-4,78	-4,29			
4002				-1,67	1,781	-4,21	1,181	-1,99	2,888	2,311	-1,18	1,723	,5331	2,109	-4,79	-4,87			
5002				-2,61	,3525	-,545	-,237	-1,61	-,397	-,281	,2358	,8815	4,074	1,645	-5,14	-5,46			
6302				-1,79	-,979	,2549	-3,29	-1,66	-1,89	,4955	2,629	3,464	3,977	-1,74	-5,72	-5,58			
8002				-1,51	,2479	-1,49	-,610	-,388	-,894	-,847	1,945	1,296	3,386	2,195	-4,73	-4,43			
10002				-,838	-,865	-1,44	-2,32	-1,67	-2,18	,7519	,7372	2,895	4,398	1,649	-3,18	-3,46			

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 3/17/76

RUN=13 RDG=151 SPEED=6600

RADIAL DISTANCE 250

DATE: 3/04/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	7.0	17.0	24.0	32.0	43.2	54.7	67.0	78.0	87.2	90.0	100.0	110.0	122.0	130.0	140.0	150.2	160.0	170.0 (PWL)
FREQ.																		
50				75.29	71.14	71.48	69.61	69.29	70.55	70.88	73.73	75.32	74.27	76.16	78.52	81.78		130.1
63				74.26	69.69	75.42	69.74	69.06	70.12	72.84	73.36	74.78	74.83	76.24	78.06	81.84		130.1
80				73.39	68.54	68.63	68.86	68.94	70.45	71.61	73.83	74.89	74.86	76.39	77.89	79.54		131.5
100				75.68	71.63	72.57	73.95	73.96	73.83	72.71	75.28	78.14	78.62	79.12	80.51	80.45		134.1
125				75.42	75.71	69.49	71.12	71.21	71.94	72.67	74.14	75.48	76.38	77.49	78.81	80.86		132.9
160				74.18	68.65	67.37	68.75	69.67	71.41	72.11	73.16	74.95	74.94	76.28	77.55	77.95		131.6
200				73.71	66.19	67.58	67.18	68.12	69.66	71.12	72.12	73.11	73.60	76.09	77.15	74.46		130.5
250				70.72	61.44	61.48	61.10	62.84	65.34	66.59	68.16	68.62	68.51	72.18	73.24	71.41		126.5
315				73.28	68.51	68.34	65.62	64.46	63.37	65.89	65.64	67.33	66.13	68.86	67.62	68.25		129.3
400				76.95	78.54	73.47	70.28	68.67	68.58	69.34	68.65	70.89	70.76	72.47	71.82	69.49		129.1
500				77.56	75.84	75.27	74.62	73.02	73.54	73.62	73.66	74.56	75.41	77.40	73.59	70.47		133.2
630				78.76	79.21	76.53	78.49	76.29	76.67	78.26	77.69	78.55	78.94	80.36	77.57	73.75		136.6
800				77.61	78.72	74.69	76.38	76.21	75.47	77.85	77.34	79.18	79.19	79.88	77.38	76.12		136.4
1000				80.29	80.89	80.97	78.89	75.68	74.88	75.99	75.45	77.36	78.69	78.63	76.47	75.18		136.8
1250				84.25	84.58	82.55	83.67	80.78	80.58	80.25	79.64	82.85	83.94	83.89	77.81	79.77		141.4
1600				81.87	83.82	83.29	82.14	78.96	81.63	80.81	79.58	82.81	83.91	83.82	78.75	77.42		141.7
2000				81.49	83.45	83.71	82.53	79.98	80.69	78.56	78.96	80.86	83.62	83.24	76.58	79.87		140.9
2500				80.78	82.89	83.46	80.94	82.98	79.51	82.25	83.35	83.86	80.68	81.94	79.94	78.19		141.5
3150				84.66	84.66	80.83	83.97	84.79	83.88	84.89	86.89	82.19	81.46	85.56	79.59	79.79		144.8
4000				87.96	90.85	88.37	91.47	87.72	91.78	93.87	88.69	90.19	90.78	91.18	89.63	84.94		151.2
5000				88.99	81.92	82.97	83.14	82.20	82.68	82.83	83.66	84.18	87.93	85.14	78.18	77.72		144.6
6300				88.89	81.13	83.64	80.92	84.11	81.41	84.33	85.58	86.91	87.18	82.24	77.81	78.14		145.9
8000				81.43	81.58	80.59	82.31	82.95	83.64	81.66	85.45	84.28	84.18	86.37	78.17	78.19		144.9
10000				78.49	77.44	76.89	76.69	77.35	77.82	77.88	79.59	80.79	81.71	80.23	75.29	74.66		144.5
MEASURED OASPL				97.82	96.49	94.88	96.12	94.56	95.79	97.85	95.78	97.59	97.52	97.54	93.46	93.32		
CALCULATED OASPL				94.25	95.17	93.71	95.85	93.68	94.82	96.23	94.85	96.59	96.46	96.38	92.13	92.85		
PNDB				109.8	110.2	108.1	110.6	108.5	110.5	111.1	109.6	111.9	111.3	111.6	106.7	106.1		
																	OAPWL:	155.9

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR. PRESSURE 25.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=152 SPEED=6458

D54

RADIAL DISTANCE 250

DATE: 3/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0 (PWL)
50				,9958	-3,15	-2,82	-4,69	-5,01	-3,75	-3,42	-,566	1,821	-,032	1,859	4,222	7,404
63				-,020	-4,59	1,139	-4,54	-5,23	-4,18	-1,45	-,927	,4946	,5462	1,976	3,777	6,799
80				-,124	-4,96	-4,87	-4,64	-4,56	-3,85	-1,89	-,164	1,402	1,362	2,891	4,391	6,041
100				-,346	-4,39	-3,46	-2,87	-2,27	-2,19	-3,32	-,747	,1148	2,393	3,893	4,483	4,426
125				,5912	,8839	-5,34	-3,71	-3,62	-2,89	-2,16	-,688	,8557	1,556	2,665	3,983	5,242
160				,7784	-4,67	-5,96	-4,57	-3,66	-1,92	-1,22	-,169	1,628	1,618	2,952	4,224	4,823
200				1,573	-5,95	-4,55	-4,95	-4,01	-2,47	-1,02	-,814	,9729	1,544	3,954	5,017	2,321
250				2,708	-6,57	-5,53	-6,92	-5,17	-2,68	-1,42	,1472	,5995	,4965	4,179	5,272	3,595
315				5,246	1,555	1,384	-1,33	-2,49	-3,58	-1,87	-1,32	,3766	-,823	1,109	,6656	1,293
400				4,534	,1215	3,256	-,155	-1,75	-1,91	-1,87	-1,77	-,320	,3390	2,849	,5982	-,929
500				3,176	1,458	,8845	,2386	-1,37	-,842	-,766	-,721	,1722	1,828	3,100	-,788	-3,92
630				1,081	1,529	-1,15	,8066	-1,38	-1,01	,5802	,8149	,8743	1,261	2,685	-,187	-3,92
800				,3333	1,447	-2,57	-,889	-1,06	-1,79	,5775	,8648	1,989	1,924	2,606	,1182	-1,15
1000				2,727	3,325	3,399	1,320	-1,89	-2,69	-1,57	-2,12	-,211	,9261	1,864	-1,18	-2,39
1250				2,263	4,522	,5656	1,685	-1,20	-1,46	-1,73	-2,35	,8669	1,959	1,907	-4,18	-6,22
1600				-,116	1,828	1,308	,1937	-3,03	-,357	-1,98	-2,41	,8227	3,921	3,825	-2,94	-4,97
2000				,4884	2,454	2,715	1,533	-1,09	-,353	-2,44	-2,84	-,136	2,820	2,235	-4,42	-5,13
2500				-,533	,7852	2,172	-,769	1,666	-1,79	,9236	2,835	1,745	-,634	,2242	-5,37	-5,16
3150				,3731	,3735	-3,45	-,312	,4618	-,399	,6894	2,583	3,888	-2,82	1,276	-4,69	-4,93
4000				-2,17	-,872	-3,76	1,339	-2,40	1,575	3,741	-1,44	2,864	,8578	1,849	-4,49	-5,19
5000				-2,16	-1,23	-,581	-,887	-,939	-,473	-,319	,5119	1,880	4,781	1,967	-5,85	-5,43
6300				-1,39	-2,36	,3926	-2,58	,6133	-2,88	,8426	2,883	3,816	3,683	-1,25	-5,69	-5,35
8000				-1,42	-1,35	-2,25	-,930	,8978	,7877	-1,19	2,599	1,427	1,327	3,918	-4,68	-4,66
10000				,1279	-,921	-1,48	-1,87	-1,81	-1,34	,7184	1,223	2,419	3,344	1,864	-3,87	-3,71

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=152 SPEED=6452

RADIAL DISTANCE 250

DATE: 3/24/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.7	10.0	20.0	30.0	40.0	52.7	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				73.84	71.46	69.78	69.65	68.78	70.12	70.46	72.28	73.50	73.19	74.28	76.33	80.07			130.6
63				72.92	68.41	74.81	68.74	67.68	69.62	71.85	71.61	73.23	73.84	74.21	79.87	79.35			130.7
80				71.39	68.15	67.37	68.36	67.46	69.83	70.13	70.88	72.54	73.12	74.68	78.74	78.23			129.8
100				72.65	69.36	69.68	71.45	71.57	73.38	72.02	72.87	74.24	74.56	74.39	77.62	78.59			131.9
125				72.74	75.95	68.82	69.69	69.62	71.12	71.32	72.45	73.59	74.48	73.46	76.48	76.28			131.3
160				71.54	68.27	66.98	68.45	68.32	70.49	70.82	71.92	73.28	73.29	74.81	78.84	76.84			129.9
200				71.54	66.35	67.73	66.99	67.86	70.49	70.12	70.69	71.19	71.78	74.16	74.68	72.74			128.9
250				68.41	61.58	68.39	68.61	68.54	64.46	64.84	66.24	66.56	65.71	69.31	78.23	69.92			124.8
315				71.83	67.87	65.97	63.91	64.46	63.98	65.13	64.49	66.19	65.26	67.15	69.91	67.59			124.5
400				74.31	71.16	71.11	68.83	68.23	68.79	67.68	67.18	66.38	69.67	71.79	69.84	68.48			128.1
500				76.44	76.88	75.94	76.84	72.37	73.28	72.84	72.88	73.81	73.88	76.71	78.98	80.67			136.2
630				76.23	76.85	76.63	77.89	79.85	76.42	76.32	75.75	77.13	77.78	78.77	76.34	73.89			138.4
800				76.86	76.36	75.58	76.84	74.21	73.91	76.78	76.18	77.71	76.12	78.18	76.28	76.86			138.2
1000				81.49	82.78	80.57	76.83	77.25	75.85	75.94	75.25	76.87	78.39	78.91	76.89	75.43			137.8
1250				84.84	86.53	83.48	82.24	79.75	80.95	80.25	78.79	81.46	83.64	83.46	78.88	78.44			141.1
1600				81.69	83.84	83.98	80.93	79.49	81.88	79.69	79.26	80.80	80.89	84.48	79.16	77.14			141.3
2000				81.81	83.17	83.92	81.97	79.65	81.86	78.74	79.68	80.59	83.75	83.18	78.61	78.49			140.9
2500				81.11	81.86	83.51	79.33	83.16	79.51	82.42	83.82	82.52	80.49	80.84	75.58	75.87			141.3
3150				84.53	84.61	88.59	82.71	84.33	83.19	84.75	85.84	87.80	83.48	84.98	79.81	79.84			144.4
4000				87.84	90.94	84.97	80.79	86.68	98.51	89.79	87.62	94.19	89.28	90.84	85.34	84.63			156.4
5000				88.92	82.85	82.17	81.16	80.78	88.94	81.87	82.47	83.88	87.62	84.43	77.87	76.71			148.7
6300				82.48	81.89	83.67	78.94	81.94	79.94	83.12	84.71	85.67	86.92	82.33	77.81	77.32			145.2
8000				81.99	82.89	88.81	80.28	86.27	88.43	84.86	86.87	89.56	85.89	89.68	77.88	79.83			148.3
10000				78.96	77.73	79.86	74.28	79.50	79.86	77.81	77.35	80.79	81.86	79.93	74.91	74.21			143.8
MEASURED OASPL				96.79	96.83	94.55	94.48	93.68	98.87	94.97	94.41	97.84	96.72	96.86	98.36	98.41			
CALCULATED OASPL				94.12	95.32	93.28	93.18	92.62	93.78	93.91	93.62	97.88	95.69	95.76	91.19	91.17			
PNDB				189.8	118.7	187.1	188.9	187.5	189.9	189.4	188.4	118.7	118.3	111.0	184.1	183.6			
																		OAPWL:	155.1

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=193 SPEED=6200

RADIAL DISTANCE 250

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	-,2	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,2	170,0	(PWL)
50				,9699	-1,41	-3,89	-3,22	-4,17	-2,79	-2,41	-,592	,7224	,3216	1,486	3,493	7,194			
63				-,277	-4,39	2,812	-4,84	-8,19	-3,17	-,983	-1,19	,4842	1,866	1,412	3,872	6,947			
80				-,435	-3,67	-4,45	-3,47	-4,37	-2,00	-1,69	-,949	,7136	1,289	2,831	3,930	6,481			
100				-1,19	-4,46	-4,24	-2,39	-2,27	-,463	-1,82	-,977	,3939	2,728	2,545	3,788	4,759			
125				-,395	2,514	-5,12	-3,48	-3,52	-2,82	-1,82	-,687	,4495	1,282	2,325	3,389	5,964			
160				-,158	-3,42	-4,79	-3,29	-2,38	-1,21	-,879	-,178	1,928	1,994	3,189	3,938	4,348			
200				,9129	-4,27	-2,88	-3,98	-2,76	-,138	-,984	,8727	,9742	1,161	3,941	4,088	2,117			
250				2,633	-4,19	-5,39	-5,17	-5,24	-1,32	-,938	,4616	,7268	-,863	3,537	4,494	4,143			
315				5,869	1,989	1,818	-2,84	-1,49	-1,98	-,823	-1,56	,2152	-,494	1,192	-,848	1,831			
400				4,921	1,771	1,726	-,788	-1,15	-,995	-1,78	-2,21	-1,84	,2969	2,414	,4986	-,934			
500				3,859	2,619	,9987	-,437	-1,81	-,135	-1,39	-1,36	-,879	,2493	3,389	-,648	-2,71			
630				1,769	1,587	,1727	,6339	-1,41	-,842	-,146	-,715	,6694	,839	2,386	-,117	-2,37			
800				,7586	,2789	-,916	,1384	-1,89	-2,19	,6827	,8617	1,612	2,628	2,877	,1823	-,946			
1000				3,734	4,949	2,813	-,924	-,988	-2,71	-1,88	-2,91	-,891	,6398	,7578	-1,66	-2,32			
1250				2,395	4,884	,7979	,5972	-1,89	-,896	-1,39	-2,85	-,164	2,288	1,819	-2,84	-2,19			
1600				,1289	2,294	1,948	-,689	-2,87	-,817	-1,67	-2,31	,4484	3,788	2,688	-2,41	-1,43			
2000				,8362	2,282	2,446	,9988	-1,32	,8874	-2,23	-1,89	-,979	2,775	2,181	-1,88	-2,47			
2500				,8848	,7484	2,398	-1,78	2,854	-1,59	1,315	1,987	1,488	-,618	-,272	-2,93	-2,84			
3150				,7488	,8267	-1,19	-1,88	,9483	-,998	,9992	2,858	3,798	-2,39	1,194	-1,48	-1,29			
4000				-1,41	1,698	-1,67	-,484	-2,59	1,989	,8896	-1,63	4,941	,8372	1,901	-2,98	-1,42			
5000				-1,37	-,343	-,126	-1,13	-1,84	-1,35	-1,22	,1776	1,884	3,332	2,134	-2,22	-2,98			
6300				-,325	-,872	,9848	-3,82	-,822	-2,82	,3637	1,956	2,989	4,161	-,431	-2,28	-2,43			
8000				,7698	,8485	-1,23	-,992	-,972	-,818	-,826	-,376	2,318	,8914	4,387	-2,42	-2,42			
10000				1,386	,8681	-1,79	-3,37	-2,19	-2,59	,1588	-,387	3,126	4,285	2,273	-2,18	-1,49			

AMBIENT TEMP. 31,88
WET-BULB TEMP. 29,88
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 8/17/70

RUN=13 RDG=153 SPEED=6288

D57

RADIAL DISTANCE 250

DATE: 3/24/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.0	10.0	20.0	30.0	40.2	50.2	60.2	70.0	80.2	90.0	100.0	110.0	120.0	130.0	140.2	150.0	160.0	170.0	(PWL)
52				78,63	69,19	69,37	78,48	66,29	69,26	78,82	71,84	72,78	71,31	72,88	74,48	78,78			139,4
63				68,28	66,36	74,90	69,61	68,07	69,89	71,94	78,71	72,81	72,34	71,75	74,69	78,16			139,7
87				66,17	65,87	66,88	69,29	67,67	68,71	69,37	78,31	71,71	71,62	72,62	74,84	74,35			138,8
102				68,99	68,72	69,67	71,10	69,78	71,88	78,77	72,56	73,25	95,83	95,72	76,92	77,85			139,9
125				69,85	78,46	67,14	67,28	68,69	69,36	78,67	71,75	72,84	78,96	73,83	78,83	77,85			138,8
164				67,41	66,89	65,99	67,89	67,66	68,92	78,61	78,53	78,21	71,92	73,82	74,84	78,83			138,7
200				66,19	66,11	67,66	66,44	78,88	71,85	78,17	69,69	78,91	72,12	72,49	73,79	72,74			139,9
252				63,23	59,92	58,74	58,39	68,22	62,14	63,83	65,17	65,58	64,98	64,14	68,86	78,26			138,1
315				67,22	65,23	65,97	63,81	63,52	62,38	64,82	63,27	63,18	63,66	64,58	64,31	67,44			138,8
402				78,88	68,19	78,19	67,57	64,99	67,72	67,82	66,37	67,11	65,85	67,91	67,11	67,66			136,8
502				73,15	73,58	72,82	72,88	71,31	72,82	71,39	71,53	72,88	72,18	73,78	78,86	67,11			138,8
632				76,21	77,36	75,97	76,16	74,84	74,87	75,15	74,78	76,11	76,35	77,21	74,32	78,19			134,8
802				75,86	78,37	74,76	75,77	74,33	72,96	78,77	74,98	77,17	77,69	78,46	75,55	74,59			134,8
1002				78,42	78,98	68,67	78,87	75,82	74,72	74,75	74,39	76,18	78,84	78,87	78,78	78,71			136,8
1252				88,71	84,83	82,79	88,48	78,71	78,88	78,95	78,88	81,84	82,84	88,38	78,91	78,11			148,8
1602				88,42	82,42	83,28	81,26	78,98	88,18	78,87	78,81	81,71	84,83	83,74	78,88	78,84			148,7
2000				88,48	82,33	83,92	81,89	78,23	78,88	77,97	78,44	88,28	82,85	81,84	78,98	78,24			148,9
2502				78,44	88,13	82,78	78,33	82,84	78,37	81,38	88,89	88,82	78,23	88,88	74,88	78,89			148,8
3150				83,32	83,87	88,81	88,84	83,99	82,67	83,97	86,27	87,23	88,28	84,29	78,18	78,88			148,9
4000				88,78	88,48	83,96	89,84	88,64	87,84	89,41	89,74	83,86	88,87	98,41	83,81	83,64			149,8
5002				79,89	88,33	81,42	81,33	84,92	88,49	88,67	83,14	88,89	84,11	83,33	78,38	78,75			148,1
6300				88,87	88,24	82,72	79,29	82,91	79,88	82,77	84,49	84,91	84,87	88,88	78,94	78,89			144,3
8000				81,58	81,42	88,26	81,22	78,78	88,44	81,18	82,82	82,83	78,74	83,71	78,71	77,24			144,8
10000				77,88	77,88	75,88	78,81	75,46	75,19	76,78	77,79	78,87	88,26	78,28	78,88	78,91			142,8
MEASURED OASPL				94,31	95,86	94,87	94,49	93,38	93,44	94,33	95,19	97,38	98,43	95,81	91,18	91,36			
CALCULATED OASPL				92,64	93,81	92,84	93,28	92,35	92,26	93,38	94,31	96,86	94,33	94,72	89,88	98,17			
PNDB				187,5	188,8	188,5	188,6	186,9	187,7	188,8	189,8	112,8	189,8	118,2	188,6	184,6			

OAPWL: 154,4

AMBIENT TEMP. 31,88
WET-BULB TEMP. 29,88
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,941

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=154 SPEED=6888

RADIAL DISTANCE 250

DATE: 3/24/77

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,2	10,2	20,2	30,0	40,2	50,2	60,2	72,2	82,2	90,2	100,2	110,0	120,0	130,0	140,0	150,2	160,0	170,0	(PWL)
5[illegible]				-1,24	-2,47	-2,29	-,852	-2,38	-2,41	-1,65	,1687	1,235	-,359	,3356	2,775	7,166			
A3				-3,55	-5,45	3,897	-2,19	-3,74	-2,71	,1286	-1,09	,2816	,5344	-,865	2,891	6,395			
8[illegible]				-4,37	-4,67	-4,44	-1,25	-2,87	-1,83	-1,17	-,228	1,165	1,081	2,878	3,998	6,869			
12[illegible]				-3,87	-4,15	-3,79	-1,67	-3,28	-1,79	-2,89	-,385	,3665	2,971	2,856	4,[illegible]	4,685			
125				-3,16	3,642	-4,87	-2,73	-3,32	-2,66	-1,35	-,259	,5225	,9475	1,819	3,816	5,262			
16[illegible]				-3,85	-3,56	-4,46	-2,86	-2,59	-1,53	-,442	,0729	1,756	1,463	2,769	3,884	4,576			
22[illegible]				-2,21	-4,29	-2,75	-3,77	-,4766	1,443	-,231	-,712	,5889	1,717	2,848	3,388	2,334			
25[illegible]				-1,[illegible]	-4,75	-5,93	-5,27	-4,45	-2,82	-1,64	,1031	,9116	-,163	3,469	5,189	5,596			
3[illegible]				2,991	1,022	1,742	-1,22	-,711	-1,66	,2888	-,965	,6861	-,571	,3448	,0765	3,203			
4[illegible]				3,348	,6546	2,857	,0367	-,534	,1844	-,311	-1,17	-,428	,5134	-,027	-,428	,1243			
5[illegible]				1,524	1,857	1,175	,4379	-,338	,3792	-,256	-,112	,3712	,4564	2,855	-1,59	-4,54			
63[illegible]				,9127	2,863	,0702	,8649	-,455	-,428	-,145	-,514	,8178	1,288	1,918	-,981	-5,10			
8[illegible]				,1309	2,642	-,964	,8422	-1,39	-2,77	,0417	-,743	1,443	1,968	2,730	-,179	-1,14			
1[illegible]				1,657	2,142	3,908	,2898	-,941	-2,04	-2,01	-2,37	-,575	1,286	1,815	,8336	-1,05			
125[illegible]				1,979	4,198	2,861	1,757	-1,42	-,919	-,786	-2,51	,8038	1,581	-,382	-4,82	-8,62			
1600				-,575	1,485	2,888	,2073	-2,89	-,781	-2,32	-2,88	,7198	3,039	2,771	-2,04	-8,35			
2000				,4219	2,292	3,488	1,564	-,825	-,455	-2,06	-1,37	,1672	2,828	1,889	-4,85	-4,79			
2500				-,989	-,222	2,424	-1,82	2,486	-1,98	1,827	2,335	1,664	-1,12	-,273	-6,15	-8,66			
3152				-,818	-,254	-3,32	-,486	,6787	-,699	,6449	2,937	3,899	-3,85	,8891	-5,18	-4,53			
4000				-1,86	-,343	-4,69	,3921	-3,01	-,882	,7644	1,892	5,218	-,376	1,744	-5,93	-8,81			
5000				-2,52	-1,28	-,191	-,281	,3831	-1,18	-,939	1,528	1,874	4,469	1,728	-6,24	-8,86			
6300				-,968	-1,59	,8882	-2,54	1,878	-2,15	,9357	2,663	2,681	2,934	-,937	-8,89	-8,74			
8000				,7846	,6872	-,353	,4087	-1,82	-,155	,3628	1,704	2,616	-1,85	2,896	-4,41	-3,55			
10000				1,142	,3893	-,832	-1,68	-1,23	-1,55	,9085	1,899	2,178	3,568	1,685	-8,71	-3,78			

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,02
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=154 SPEED=6000

RADIAL DISTANCE 250

DATE: 3/03/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.0	12.2	24.2	32.0	40.0	52.0	62.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				70.33	68.93	68.75	69.43	69.36	69.92	69.87	71.08	71.28	70.88	71.57	73.13	77.13			130.5
63				68.38	66.81	74.67	68.89	68.19	69.81	71.97	69.62	71.88	70.84	71.89	73.28	76.64			130.8
80				65.95	65.76	65.69	65.17	67.99	68.83	69.19	69.77	70.59	70.32	71.78	72.69	75.83			127.6
100				67.67	69.16	67.71	69.56	69.29	70.26	70.27	71.56	73.36	74.38	75.82	74.87	75.74			130.8
125				67.58	75.24	65.89	67.78	67.71	68.59	69.58	69.96	70.85	71.49	72.31	73.98	75.45			128.8
160				66.89	65.92	68.47	66.95	67.42	68.47	69.44	69.71	71.27	71.48	72.18	72.86	73.66			127.8
200				69.82	65.66	67.29	66.49	67.98	71.89	71.12	70.89	71.88	71.82	72.93	72.92	71.89			130.1
250				65.21	61.59	68.34	61.92	62.19	62.74	64.29	65.12	65.78	65.23	66.89	66.88	68.83			123.2
315				67.81	64.82	65.84	62.88	63.25	61.49	64.58	62.75	65.84	63.22	64.58	62.84	64.38			128.9
400				70.48	67.92	68.45	66.86	64.54	65.87	65.89	65.18	65.77	64.19	67.28	68.79	66.48			134.9
500				72.93	72.93	71.61	70.69	69.83	70.88	70.18	70.34	70.84	70.88	73.38	69.87	66.13			138.3
630				76.26	76.84	75.15	74.98	73.68	74.11	73.78	73.34	74.98	73.25	76.86	73.37	69.21			143.8
800				75.74	76.22	74.32	74.84	74.23	72.88	73.24	74.32	76.84	76.89	77.12	74.28	73.33			147.9
1000				77.96	77.88	79.19	76.89	73.71	72.62	73.71	73.19	73.49	76.44	76.13	74.37	73.79			134.4
1250				82.12	83.94	82.84	80.48	78.52	77.86	78.83	77.47	77.82	80.77	81.87	78.84	78.46			138.2
1600				79.39	80.41	82.11	80.87	77.88	79.14	77.75	77.67	80.98	80.98	80.18	77.88	76.87			139.5
2000				82.23	81.24	83.33	79.81	77.68	78.88	76.93	77.35	78.88	80.39	79.79	76.71	75.83			138.8
2500				79.16	78.89	81.93	77.99	80.95	76.67	80.42	81.25	80.74	77.48	78.73	73.18	73.84			139.2
3150				84.31	83.28	80.64	80.71	83.38	82.29	83.78	80.89	80.99	81.13	84.15	78.87	78.41			143.8
4000				87.43	86.82	83.88	87.41	85.08	86.76	86.74	89.46	90.84	87.62	89.18	82.84	82.38			148.2
5000				79.42	79.69	81.12	79.88	79.41	79.19	79.87	81.91	81.99	84.99	82.68	74.37	76.48			148.8
6300				81.88	79.69	82.89	78.82	79.74	77.91	81.89	81.87	83.48	81.98	80.48	75.83	76.96			148.8
8000				82.36	81.19	80.86	80.49	78.31	78.87	79.79	79.78	83.88	78.91	83.71	77.87	78.85			144.2
10000				78.58	76.68	73.89	74.88	75.91	74.87	76.19	77.36	77.98	78.12	77.88	72.48	72.37			142.3
MEASURED OASPL				94.68	94.87	93.64	93.15	92.88	92.19	92.98	94.25	95.68	94.89	95.83	89.98	90.82			
CALCULATED OASPL				92.88	92.69	92.47	91.92	91.21	91.11	91.86	93.42	94.82	93.85	93.98	88.61	88.88			
PNDB				107.9	107.5	105.9	107.2	106.2	106.5	107.0	108.6	110.2	108.8	109.2	103.6	103.4			
																		OAPWL:	158.3

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 5.741

FAA FAN/COMPRESS.R - PHASE 58 - 4C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=57 SPEED=5752

D60

RADIAL DISTANCE 250

DATE: 3/03/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 5,2	10,0	24,2	30,0	40,0	50,2	6	2	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,2	150,2	160,0	170,0	(PWL)
50				-,428	-1,84	-2,01	-1,33	-1,40	-,843	-,889	,3134	,5151	-,757	,8068	2,370	6,365				
63				-2,66	-4,95	1,705	-2,12	-2,78	-1,96	,6049	-1,34	,1186	-,129	,1291	2,318	5,675				
80				-3,64	-3,84	-3,93	-1,42	-1,61	-,759	-,396	,1731	,9916	,7289	2,186	3,899	5,439				
100				-4,13	-2,64	-4,08	-2,24	-2,50	-1,54	-1,53	-,240	1,562	2,507	3,425	3,872	3,967				
125				-3,27	4,578	-5,57	-2,88	-2,95	-2,06	-1,15	-,722	,1764	,8414	1,652	2,845	4,704				
160				-2,65	-3,62	-4,07	-2,59	-2,11	-1,86	-,898	,1732	1,728	1,865	2,648	3,825	3,924				
200				-,687	-4,85	-2,45	-3,21	-1,73	1,081	-,584	1,142	-,104	1,312	2,720	2,611	1,591				
250				,4385	-3,18	-4,43	-3,25	-2,62	-2,83	-,461	,3483	1,816	,4634	3,326	4,033	4,059				
315				3,873	,8798	1,706	-1,14	-,684	-2,45	,5646	-1,19	1,101	-,720	,8657	-1,09	2,564				
400				4,217	1,259	2,189	,5994	-1,73	-,698	-,360	-1,16	-,493	-,864	1,831	-,474	,1415				
500				2,459	2,861	1,138	1,185	-1,44	-,191	-,289	-,127	-,229	,3308	2,879	-,897	-4,34				
630				2,036	1,819	,9249	,2806	-,624	-,117	-,443	-,884	,7591	1,828	2,335	-,859	-5,01				
800				,9847	1,378	-,518	-,798	-,612	-1,96	,3972	-,514	2,104	1,75	2,285	-,637	-1,50				
1000				2,642	2,559	3,869	,7726	-1,60	-2,69	-1,60	-2,13	,1383	1,121	,8370	-,951	-1,52				
1250				2,323	4,146	3,265	,6859	-1,28	-1,94	-,964	-2,33	,0204	,9764	1,772	-4,16	-6,34				
1600				-,231	,7897	2,498	,4463	-2,84	-,483	-1,87	-1,95	1,365	3,328	2,908	-2,62	-6,35				
2000				1,151	2,365	4,461	,8423	-1,27	-,788	-1,94	-1,54	-,825	1,514	1,117	-4,16	-5,24				
2500				,1255	-,142	2,897	-1,44	1,918	-2,36	1,388	2,217	1,704	-1,35	-,304	-5,85	-5,79				
3150				1,878	-,833	-2,59	-,522	,8649	-,945	,4647	2,662	3,758	-2,18	1,412	-4,97	-4,82				
4000				,3084	-,383	-4,09	,2881	-1,44	-,354	-,381	2,341	3,725	,9888	2,802	-4,58	-4,73				
5000				-1,14	-,565	,5639	-,951	-1,15	-1,37	-,682	1,353	1,437	4,399	2,183	-6,18	-6,87				
6300				,7519	-,632	2,559	-2,31	-,589	-2,42	,7622	1,939	3,165	1,593	,1192	-5,38	-6,37				
8000				2,163	,9936	,8867	,2756	-1,89	-1,32	-,489	-,421	3,422	-3,29	3,414	-2,93	-3,35				
10000				2,389	,5548	,7613	-1,25	-,217	-2,85	,8686	1,238	1,791	1,997	1,458	-3,47	-3,76				

AMBIENT TEMP. 31,00
WET-BULB TEMP. 29,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=155 SPEED=5750

RADIAL DISTANCE 250

DATE: 3/03/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 10,0	17,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				69,84	69,57	70,97	69,68	67,92	69,61	69,69	70,38	70,54	68,26	69,68	72,37	77,66			128,3
63				68,23	66,34	75,12	68,49	66,48	68,66	71,42	68,39	70,38	70,38	69,38	72,11	76,47			128,4
80				65,54	65,31	67,11	67,56	65,69	67,73	68,85	69,86	69,56	69,32	70,85	72,11	75,49			126,9
100				67,16	67,19	66,20	69,89	66,91	68,89	69,38	71,87	71,46	71,12	73,31	73,39	75,86			128,4
125				67,83	75,24	65,66	66,95	66,44	67,79	68,68	68,84	69,95	70,16	70,89	71,79	74,44			127,9
160				67,87	64,74	68,28	65,54	66,82	67,85	68,46	68,49	69,85	70,32	70,99	71,43	72,63			126,7
200				68,44	69,91	67,82	64,61	66,35	66,41	68,16	67,68	69,44	70,62	71,37	71,32	71,29			126,7
250				66,84	68,22	68,51	58,82	61,16	62,26	63,83	63,48	64,34	63,22	66,11	66,89	68,55			122,1
315				68,28	63,79	65,74	61,74	63,59	61,49	64,28	62,87	64,64	63,45	64,87	68,71	66,68			122,3
400				69,41	64,55	68,58	66,41	69,66	65,97	65,99	64,33	65,59	66,37	66,48	68,14	66,67			124,7
500				71,89	71,39	69,98	70,28	69,32	69,93	69,16	69,83	69,86	70,13	71,71	68,66	66,31			128,4
630				74,92	75,88	72,90	73,43	72,98	73,12	72,58	72,25	74,15	74,83	75,87	72,62	69,08			132,2
800				74,61	77,78	72,21	72,61	72,60	71,85	74,82	72,96	75,15	75,44	76,31	73,96	73,25			133,8
1000				76,52	77,72	78,22	76,39	74,12	72,43	73,81	72,29	74,84	76,89	76,18	74,69	74,86			134,2
1250				80,36	83,29	79,63	80,32	77,69	78,86	77,37	76,17	78,98	81,21	79,91	75,18	73,66			138,3
1600				78,86	81,21	80,37	79,19	78,76	78,21	77,85	76,85	79,86	80,87	81,87	76,72	74,16			138,4
2000				78,38	80,25	80,17	79,88	78,16	77,62	75,71	75,91	78,12	79,94	79,39	74,37	73,48			137,6
2500				77,37	78,87	79,87	76,75	79,35	76,82	74,85	75,33	79,88	76,93	77,89	72,84	73,82			137,8
3150				84,69	85,95	79,34	84,84	84,29	84,85	84,78	85,85	87,17	83,16	86,82	81,33	80,86			145,1
4000				82,99	84,64	77,61	83,59	80,74	82,68	83,13	81,77	84,99	83,32	85,19	79,84	79,71			143,9
5000				77,63	79,85	77,98	78,95	77,34	77,91	78,56	79,59	80,64	84,18	81,34	73,68	74,35			140,6
6300				80,58	80,39	80,42	78,81	77,85	78,63	81,65	80,73	84,24	81,47	80,16	78,62	76,46			142,6
8000				78,68	79,45	76,95	77,88	75,19	76,74	78,85	76,59	81,84	77,95	80,98	74,41	74,98			141,6
10000				76,98	76,86	74,17	74,17	74,69	73,87	75,48	74,62	77,41	77,55	76,12	72,11	72,15			141,1
MEASURED OASPL				93,23	93,68	90,99	90,18	90,59	91,83	91,79	91,39	94,72	93,18	93,49	89,38	90,82			
CALCULATED OASPL				90,95	90,48	89,84	89,92	89,54	89,97	90,75	90,37	93,61	91,97	92,43	88,23	88,68			
PNDB				186,8	184,9	180,8	180,6	184,7	184,9	185,6	185,5	188,9	188,8	187,1	182,8	182,7			

OAPWL: 151,8

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,941

FAA FAN/COMPRESSOR - PHASE 9B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=156 SPEED=5500

RADIAL DISTANCE 250

DATE: 3/03/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 2,0	12,0	22,0	30,0	40,0	50,0	62,0	78,0	88,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				-,651	-,923	,4625	-,831	-2,56	-,879	-,794	-,188	,8499	-2,23	-,812	1,877	7,171			
63				-2,33	-4,21	4,861	-2,87	-4,11	-1,89	,8677	-1,71	-,176	-,179	-1,17	1,958	5,916			
80				-3,44	-3,68	-1,85	-1,45	-3,29	-1,25	-,939	,8732	,5697	,3331	1,660	3,116	6,499			
100				-3,22	-3,19	-4,18	-1,29	-3,47	-1,49	-,996	,6898	1,878	,7453	2,926	3,913	5,476			
125				-1,[illegible]	5,489	-4,88	-2,79	-3,31	-1,95	-1,14	-,983	-,193	,4138	1,147	2,846	4,698			
160				-4,38	-3,71	-3,16	-2,91	-2,42	-,992	,8166	,8866	1,385	1,869	2,941	2,488	4,179			
200				,1109	-4,42	-1,31	-3,72	-1,98	,8817	-,158	-,646	,1138	2,293	3,839	2,993	2,988			
252				2,426	-3,39	-3,18	-4,79	-2,43	-1,35	,2216	,8718	,7342	-,386	2,496	3,286	4,942			
315				4,508	,8251	1,967	-2,83	-,175	-2,28	,5130	-1,69	,8747	-,317	,3855	-4,06	2,988			
400				3,374	,5159	2,848	,3773	-,379	-,864	-,849	-4,71	-,449	,3299	,3923	-,898	,8328			
500				2,285	1,783	,8729	,8725	-,883	,3877	-,448	-,978	,8969	,8857	8,189	-,947	-3,29			
630				1,677	2,643	-,336	,1898	-,259	-,125	-,686	-,991	,9864	1,585	1,833	-,617	-4,16			
800				,8977	3,874	-1,69	-1,28	-1,29	-2,86	,1883	-,947	1,242	1,535	2,484	,8587	-,655			
1000				1,557	2,766	3,259	1,438	-,834	-2,53	-1,95	-2,66	-,823	1,134	1,223	-,263	-,896			
1250				1,521	4,459	,7902	1,488	-1,14	-,778	-1,27	-2,67	,1419	2,373	1,877	-2,74	-5,18			
1600				-,688	2,467	1,487	,4485	-2,98	-,931	-1,69	-8,69	1,117	3,321	2,986	-2,82	-4,58			
2000				,8522	2,573	2,494	1,396	-1,52	-,864	-1,97	-1,77	,4367	2,263	1,788	-3,31	-4,26			
2500				-,268	,4844	1,429	-,891	1,713	-1,62	1,489	1,694	2,164	-,713	,2515	-4,79	-4,62			
3150				,1858	1,369	-8,25	,8592	-,297	-,934	,1934	,4652	4,586	-1,42	1,439	-3,25	-3,73			
4000				,1285	1,768	-8,26	,7278	-2,13	-,184	,2632	-1,89	4,123	,4914	2,323	-3,03	-3,16			
5000				-1,55	-,129	-1,19	-,234	-1,84	-1,27	-,617	,4852	1,479	5,884	2,187	-5,53	-4,83			
6300				,4636	,2852	,2998	-1,31	-2,27	-1,49	1,529	,6136	4,121	1,354	,8416	-4,49	-3,65			
8000				1,868	1,831	-1,87	,2637	-2,43	-,878	,4382	-1,83	3,421	-,893	2,883	-3,21	-2,84			
10000				1,871	1,184	-,791	-,791	-,265	-1,89	,9223	-,338	2,447	2,903	1,167	-2,85	-2,81			

AMBIENT TEMP.	31,80
WET-BULB TEMP.	29,80
BAR. PRESSURE	28,76
ABS. HUMIDITY	3,741

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=156 SPEED=5500

RADIAL DISTANCE 250

DATE: 5/23/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 2,0	10,0	20,0	30,0	40,0	5 ,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				71,14	69,16	69,84	78,92	76,13	72,57	71,13	71,72	78,33	78,22	71,82	71,84	73,23			128,5
63				78,89	65,93	74,99	69,43	68,45	71,66	72,78	78,47	78,64	71,32	78,39	78,79	72,64			128,7
80				68,22	65,83	65,85	68,12	67,99	78,74	69,26	78,81	68,39	69,28	78,17	78,85	71,21			126,8
100				67,99	65,84	65,67	68,28	67,78	78,31	69,63	69,67	69,19	68,64	69,73	78,74	71,46			126,7
125				67,99	75,26	64,48	67,48	66,91	69,86	68,67	68,84	67,91	68,58	69,82	69,37	78,41			127,1
160				67,87	64,74	64,58	66,63	66,36	67,92	68,39	68,48	68,48	69,72	78,84	78,84	78,39			126,2
200				66,79	63,25	66,82	64,77	64,55	65,75	67,84	66,14	68,47	68,63	68,89	68,74	67,98			124,3
250				63,79	68,78	60,91	60,67	61,32	62,97	63,95	63,88	63,46	61,94	64,71	65,25	66,42			121,3
315				66,69	64,22	64,67	62,87	63,14	61,49	63,94	61,46	62,98	68,59	62,66	68,87	63,56			121,3
400				67,64	65,89	66,89	65,37	63,59	64,41	64,68	62,86	62,97	68,84	64,49	62,58	68,93			122,7
500				78,42	78,36	69,89	68,36	67,54	67,43	67,41	66,96	67,88	66,85	69,67	68,89	68,69			126,4
630				73,87	74,19	71,89	72,73	71,77	70,76	71,89	71,81	72,91	78,38	73,43	71,11	67,66			130,6
800				71,96	73,84	78,79	71,51	71,61	78,29	72,56	71,66	76,26	76,22	74,93	72,92	71,78			131,4
1000				77,71	78,66	77,93	75,25	72,59	71,38	72,37	78,88	73,19	74,99	74,77	74,47	71,96			133,6
1250				78,23	81,99	77,62	78,91	76,29	76,81	75,51	75,13	76,63	78,72	78,88	74,12	71,48			136,7
1600				77,69	79,29	78,71	77,13	73,68	79,95	78,44	74,49	77,87	78,91	79,89	78,12	78,84			134,4
2000				76,92	77,81	76,91	76,81	73,89	74,39	73,91	74,23	78,13	77,86	76,46	78,98	78,89			138,8
2500				77,11	76,27	78,64	74,33	76,57	72,91	77,42	77,64	76,98	74,91	78,81	71,85	78,84			138,7
3150				84,48	85,85	78,37	82,25	82,77	81,86	84,53	84,11	87,56	88,84	88,73	78,83	76,74			148,5
4000				88,38	88,59	73,64	78,87	74,31	76,99	79,31	77,37	81,23	79,36	79,96	78,56	74,88			139,3
5000				78,44	77,89	75,29	76,29	74,61	74,40	75,67	76,81	77,67	81,29	78,27	72,32	71,42			137,9
6300				79,57	78,17	79,82	78,99	76,92	76,71	79,93	81,14	81,48	82,19	77,11	74,69	73,96			141,2
8000				75,48	75,42	72,35	74,75	72,48	72,58	73,89	75,78	75,31	73,86	76,75	71,45	78,87			137,6
10000				75,18	73,61	71,87	74,49	72,73	73,16	75,23	74,58	74,38	75,97	73,29	78,83	69,94			139,7
MEASURED OASPL				91,82	91,94	89,18	90,84	88,65	88,87	90,26	90,25	92,85	90,99	90,89	87,73	84,47			
CALCULATED OASPL				90,81	90,32	87,97	88,54	87,54	87,39	89,23	89,95	91,86	89,89	89,39	86,51	83,97			
PNDB				100,1	100,8	101,4	100,3	100,9	100,2	100,6	100,3	100,7	100,5	100,1	101,2	100,1			
																		OAPWL:	140,6

D64

AMBIENT TEMP, 31,90
WET-BULB TEMP, 29,80
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

F/A FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=157 SPEED=4995

RADIAL DISTANCE 250

DATE: 3/03/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				,3676	-1,61	-1,94	,1531	-,643	1,797	,3552	,9472	-,441	-,551	,7509	1,873	2,459			
63				-,762	-4,9	4,144	-1,42	-2,48	,8118	1,851	-,381	-,218	,4699	-,461	-,892	1,786			
80				-,578	-3,77	-2,95	-,586	-,814	1,936	,4589	1,208	-,413	,3988	1,378	2,143	2,484			
100				-,662	-2,81	-2,99	-,378	-,869	1,659	,9777	1,817	-,464	-,889	1,877	2,892	2,898			
125				-,943	6,336	-4,45	-1,49	-2,02	,1288	-,258	-,827	-1,82	-,353	,8872	,4387	1,685			
160				-,897	-3,19	-3,35	-1,29	-1,57	-,886	,4696	,5386	,9821	1,792	2,132	2,914	2,462			
200				,6771	-2,87	,4073	-1,35	-1,96	-,369	,9282	,8172	,3943	,9112	1,981	2,829	1,899			
250				1,881	-2,29	-2,29	-2,13	-1,47	,1737	1,153	,2886	,8669	-,851	1,915	2,454	3,624			
315				4,807	1,531	1,879	-,615	,4503	-1,19	1,255	-1,22	,2921	-2,09	-,824	-1,82	,9921			
400				3,612	1,671	2,861	1,341	-,439	,3799	,5768	-1,96	-1,85	-1,18	,4653	-1,45	-1,89			
500				2,789	2,755	1,466	,9536	-,887	-,193	-,213	-,671	-,949	-,788	1,839	-1,98	-3,93			
630				1,415	2,543	-,563	1,879	,1185	-,893	-,854	-,441	1,268	,6987	1,779	-,936	-4,95			
800				-,369	1,513	-1,53	-,816	-,718	-2,83	,2317	-,662	1,971	1,981	2,689	,3944	-,933			
1000				3,362	4,257	3,586	,9836	-1,74	-2,67	-1,98	-3,47	-1,15	,6587	,4814	,1229	-2,38			
1250				2,834	4,793	,4183	1,714	-,987	-,991	-1,69	-2,81	-,560	1,816	1,879	-3,86	-8,77			
1600				,9567	2,955	1,074	,8028	-3,81	-,708	-1,29	-8,84	,9892	3,174	2,388	-1,62	-4,69			
2000				1,726	2,689	1,719	1,415	-1,31	-,884	-1,29	-,965	-,866	2,363	1,279	-2,82	-4,61			
2500				1,634	,8088	1,168	-1,15	1,894	-2,57	1,942	2,164	1,588	-,559	-,267	-3,92	-4,94			
3150				1,488	,9411	-4,59	-,661	-,142	-1,83	1,813	1,192	4,648	-2,87	-,159	-3,85	-4,17			
4000				2,228	2,445	-2,91	,7233	-3,84	-1,16	1,164	-,777	3,883	1,216	1,889	-2,59	-3,26			
5000				,8136	,6597	-1,16	-,142	-1,82	-1,93	-,758	,4839	1,249	4,863	1,835	-4,21	-8,81			
6300				,8427	-,564	,2074	-2,74	-1,81	-2,82	1,283	2,411	2,689	3,464	-1,62	-4,84	-4,75			
8000				1,931	1,863	-1,21	1,191	-1,16	-1,85	-,468	,2185	1,747	-,981	3,194	-2,11	-2,89			
10000				1,646	,8781	-1,66	,9314	-,896	-,373	,693	1,842	,8416	2,439	-,237	-2,71	-3,89			

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=157 SPEED=4999

D65

RADIAL DISTANCE 150

DATE: 2/25/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	7.7	12.6	20.4	30.0	47.8	57.7	62.0	70.0	82.2	90.0	100.0	110.0	120.0	130.2	140.0	150.2	160.0	170.0	(PWL)
FREQ.																			
50						67.49		66.17		69.41	68.48	68.84	69.31	70.66	71.97	74.56			121.3
63						66.49		66.83		68.38	68.60	68.32	70.33	69.94	71.93	73.86			121.1
80						66.71		64.77		67.89	68.60	69.49	70.33	71.37	72.41	73.65			121.4
100						67.82		65.65		68.31	69.03	69.81	70.33	71.44	71.51	73.16			121.9
125						65.44		66.80		68.17	68.91	69.28	70.33	70.76	70.88	71.96			120.9
160						65.44		64.68		68.64	69.49	69.80	70.53	69.82	70.75	70.13			119.9
200						64.26		62.01		64.68	66.48	66.36	67.67	67.38	68.48	66.58			118.8
250						63.96		62.99		63.87	64.22	64.96	65.83	64.68	67.25	66.98			116.6
315						69.87		66.91		66.46	68.65	69.22	68.33	69.19	71.19	69.65			120.4
400						71.62		69.55		70.95	71.96	71.97	72.77	73.82	73.64	72.78			123.9
500						72.12		71.84		72.69	74.41	74.46	75.37	75.26	75.88	74.84			126.3
630						71.14		71.15		71.77	72.57	73.33	74.75	75.41	73.64	72.70			125.3
800						79.21		75.18		73.29	74.39	75.98	76.47	76.13	75.71	72.75			128.8
1000						81.77		79.80		79.54	79.48	79.22	80.72	82.57	80.67	78.39			132.7
1250						83.23		84.93		79.80	80.47	80.67	81.94	81.32	80.84	76.27			133.8
1600						82.91		81.93		81.99	82.62	82.83	82.98	83.67	80.39	78.41			134.7
2000						80.99		81.32		81.59	82.55	81.46	81.96	83.39	79.72	77.19			134.3
2500						81.41		79.31		79.83	81.13	80.73	82.33	81.96	78.53	75.74			133.4
3150						86.34		85.36		83.81	84.79	84.79	86.69	86.97	83.38	83.46			138.5
4000						84.74		83.31		81.96	82.57	83.57	84.96	85.18	82.74	80.65			137.5
5000						82.03		83.49		83.28	84.46	84.69	83.86	84.46	80.39	78.32			137.4
6300						84.02		84.11		84.28	84.24	84.83	84.98	85.88	79.15	79.39			140.8
8000						82.63		83.82		77.47	78.93	83.48	82.13	82.89	76.63	78.59			134.4
10000						80.65		84.79		80.78	80.32	81.59	83.54	82.86	76.32	76.39			136.3
MEASURED OASPL						95.26		94.68		93.66	95.33	95.44	97.58	96.33	92.57	91.91			
CALCULATED OASPL						93.83		93.56		92.31	93.98	94.04	96.23	94.96	91.18	90.87			
PNDB						100.7		100.3		100.9	102.9	103.4	103.9	103.1	100.9	100.2			
																		OAPWL:	147.5

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA PA /COMPRESSOR = PHASE 58 + 50 IGVs 9 DEG OPEN T/D 2/17/77

RUN=10 RDG=126 SPEED=9322

RADIAL DISTANCE 150

PAGE: 9

DATE: 2/17/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 4,2	12,4	20,6	36,4	44,7	52,8	60,9	70,2	80,2	90,0	102,0	110,9	120,2	132,0	142,2	152,0	160,0	170,8	(PWL)
50						-,531	-1,85	1,394	,4595	,8250	1,292	2,643	3,954	6,542					
63						-1,21	-1,67	,6837	,9861	,6191	2,033	2,239	4,234	6,159					
80						-1,24	-3,18	-,869	,6492	1,545	2,379	3,421	4,491	5,781					
100						-,172	-2,33	,3231	1,041	1,819	2,343	3,477	3,927	5,175					
125						-1,98	-1,54	,7467	1,486	1,861	2,988	3,335	3,382	4,544					
160						-1,83	-2,59	1,374	2,217	2,933	3,297	2,992	3,884	2,897					
200						-,897	-2,34	,3259	2,131	2,882	3,319	2,951	4,130	2,148					
250						1,863	,1005	,1797	1,326	2,871	2,148	1,788	4,359	3,693					
315						2,225	-,829	-,388	1,888	2,374	1,486	2,348	4,355	2,883					
400						1,475	-,588	,8829	1,814	1,638	2,631	2,873	3,494	2,434					
500						-,235	-,495	,3488	2,875	2,187	3,828	2,984	3,465	1,582					
630						-,128	-,127	,4947	1,298	2,884	3,476	4,138	2,363	1,427					
800						5,271	1,249	-,639	,4534	1,849	2,938	2,199	1,771	-1,19					
1000						3,226	1,255	,9957	,9383	,8895	2,168	4,819	2,121	-,192					
1250						3,844	2,752	-,895	1,289	1,489	2,754	2,148	,8532	-,916					
1600						2,491	1,511	1,877	2,199	1,618	2,487	3,488	-,818	-1,61					
2000						1,959	1,599	1,878	2,825	1,743	1,838	3,876	-,884	-2,92					
2500						2,723	,8275	1,149	2,441	2,844	3,838	3,278	-2,15	-2,95					
3150						1,733	,8899	-1,54	,2487	2,233	6,895	2,413	-1,25	-1,87					
4000						2,834	1,183	-,246	,3637	3,364	4,388	2,978	-1,47	-1,86					
5000						,2761	1,638	1,427	2,689	2,798	1,788	4,688	-1,46	-3,93					
6300						,1864	,1976	,3689	4,327	1,196	6,918	1,888	-4,77	-4,32					
8000						3,865	3,448	-2,18	-,637	3,913	2,368	3,279	-2,94	-,974					
10000						,8789	4,819	,8884	,3455	1,821	3,947	2,884	-3,46	-3,59					

AMBIENT TEMP. 32,88
STAGNATION TEMP. 38,88
BAR. PRESSURE 28,76
MACH NUMBER 3,912

FAA FAN/COMPRESSOR - PHASE 3B + 3C INLS 9 DEG OPEN T/D 2/17/77

N= 513 Q=3s124 SPEED=5711

RADIAL DISTANCE 150

DATE: 2/27/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						68.45		68.34		70.30	71.77	72.15	72.76	73.82	75.16	77.77			124.2
63						68.02		67.46		69.49	70.31	70.59	72.24	73.03	75.04	77.45			123.6
80						66.86		66.95		69.49	70.76	71.34	72.48	73.82	74.63	76.83			123.6
100						70.58		69.24		70.99	72.83	73.26	73.63	76.15	75.72	77.85			125.3
125						66.49		67.45		69.61	71.09	71.54	72.44	73.17	73.82	75.31			122.3
160						66.26		66.54		69.49	70.65	71.33	71.69	71.46	72.[illegible]	[illegible]			122.3
200						68.19		65.96		66.83	68.35	69.23	70.02	70.09	71.16	71.78			120.9
250						66.09		64.52		64.27	65.74	66.31	66.80	67.26	69.6[illegible]	69.96			118.6
315						71.83		68.44		69.54	70.79	70.75	72.06	72.75	7[illegible]	73.73			123.6
400						75.20		72.23		73.51	74.86	74.48	76.16	76.21	76.74	78.18			127.1
500						73.92		73.79		74.77	76.61	76.95	77.87	78.22	78.89	77.85			128.8
630						72.87		72.40		73.12	73.99	75.02	76.54	77.45	75.75	74.83			127.8
800						80.59		76.69		75.35	76.37	77.26	78.02	77.65	77.31	74.57			129.7
1000						82.79		81.44		80.67	80.67	80.72	81.80	83.75	81.91	79.72			133.9
1250						84.44		83.67		81.78	82.21	82.58	83.51	83.04	81.67	80.48			133.3
1600						84.58		83.99		84.16	84.77	84.29	85.31	86.35	82.87	80.65			137.8
2000						83.30		84.07		84.14	85.12	83.97	83.69	86.24	81.3[illegible]	79.33			136.8
2500						83.82		82.19		82.86	84.04	83.00	84.28	84.23	77.74	77.84			135.9
3150						87.79		86.74		88.01	89.07	91.23	90.39	89.[illegible]	84.32	84.59			141.5
4000						87.91		87.08		87.00	85.99	90.28	89.35	89.36	84.22	84.40			141.3
5000						84.28		85.89		86.38	87.32	87.58	85.97	87.81	81.21	80.46			139.8
6300						85.39		85.18		85.48	88.69	86.06	88.29	86.39	79.52	81.54			140.4
8000						85.21		86.25		80.72	84.62	85.59	85.81	85.43	80.37	81.95			139.0
10000						82.81		86.93		83.25	82.52	82.69	84.27	83.88	78.72	79.19			140.8
MEASURED OASPL						97.17		96.94		96.62	97.27	98.52	98.55	98.65	94.48	94.36			
CALCULATED OASPL						95.82		95.81		95.33	95.89	97.17	97.19	97.29	93.89	93.83			
PNDB						109.0		109.4		109.6	109.5	111.9	111.7	111.5	107.1	107.2			

OAPWL: 149.6

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
B[illegible], PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RU #13 RDG=127 SPEED=5500

RADIAL DISTANCE 150

DATE: 2/27/7[illegible] PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5						-2,42	-2,53		-,569	,8981	1,274	1,886	2,947	4,282	6,895			
63						-2,19	-2,74		-,698	,1117	,3895	2,048	2,833	4,849	7,250			
80						-3,33	-3,25		-,694	,5668	1,146	2,294	3,628	4,443	6,639			
1[illegible]						-1,29	-2,62		-,878	,9642	1,399	1,767	4,289	3,855	5,987			
125						-3,25	-2,32		-,156	1,319	1,773	2,672	3,405	4,051	5,540			
16[illegible]						-2,41	-2,14		,8173	1,979	2,657	3,817	2,188	3,974	3,683			
20[illegible]						,9888	-1,32		-,459	1,761	1,943	2,730	2,811	3,876	4,496			
250						1,173	-,422		-,654	,8134	1,379	1,878	2,331	4,687	5,832			
315						2,212	-1,39		-,280	,9688	,9302	2,241	2,923	4,737	3,909			
40[illegible]						1,962	-1,01		,2679	1,618	1,239	2,918	2,973	3,582	2,936			
50[illegible]						-,944	-1,07		-,891	1,745	2,882	3,803	3,396	4,829	2,989			
63[illegible]						-,156	-,619		,0965	,9733	1,998	3,515	4,423	2,733	1,889			
8[illegible]						5,241	1,136		-,204	,8097	1,703	2,467	2,897	1,755	-,989			
12[illegible]						2,998	1,651		,8817	,8817	,9378	2,815	3,968	2,128	-,862			
125[illegible]						3,475	2,708		,8164	1,249	1,619	2,543	2,888	,7074	-,562			
160[illegible]						2,882	1,415		1,579	2,19	1,717	2,732	3,774	-,803	-1,92			
2[illegible]						1,119	1,883		1,953	2,938	1,789	1,583	4,054	-,818	-2,85			
2500						2,678	1,044		1,718	2,897	1,856	3,135	3,888	-3,41	-3,30			
3150						1,298	,2419		1,507	-1,43	4,729	3,[illegible]	3,865	-2,18	-1,91			
4[illegible]						1,869	1,038		,9569	-,847	4,288	3,382	3,313	-1,83	-1,64			
5[illegible]						,0213	1,636		2,121	3,864	3,319	1,714	3,549	-3,85	-3,79			
6320						1,843	,8329		1,127	4,345	1,713	3,946	2,043	-4,83	-2,81			
8000						2,446	3,489		-2,04	1,858	2,831	3,043	2,668	-2,39	-,811			
10000						1,089	5,205		1,525	,7971	1,164	2,552	2,879	-3,88	-2,52			

AMBIENT TEMP. 32,00
WET-BULB TEMP. 32,00
BAR. PRESSURE 28,74
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RU =13 RUG=127 SPEED=55[illegible]

RADIAL DISTANCE 150

DATE: 6/25/

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	[illegible]	16,0	24,0	32,0	40,0	48,0	56,0	64,0	72,0	80,0	88,0	96,0	104,0	112,0	120,0	128,0	136,0	144,0	152,0	160,0	168,0	176,0	(PWL)
50							69,77	69,41	70,42	71,51	72,36	73,33	74,41	76,35	79,39								135,8
63							69,85	69,26	70,63	72,83	72,21	73,89	74,97	76,79	79,40								136,3
80							68,11	68,74	70,63	71,77	73,89	73,82	74,69	76,12	78,69								135,8
100							70,35	71,41	72,85	74,34	76,13	77,28	77,36	77,34	79,85								137,3
125							67,46	69,02	70,94	72,23	72,98	73,99	74,84	75,92	77,59								134,9
160							67,84	67,46	71,13	71,78	71,49	72,87	73,97	73,67	75,82								133,3
200							66,89	65,58	68,28	71,49	69,36	71,98	72,12	72,34	78,46								133,1
250							65,98	64,93	64,96	66,41	66,91	67,26	66,47	70,91	71,83								119,4
315							72,65	69,45	70,56	71,76	72,46	73,49	74,26	76,57	79,83								134,9
400							74,91	72,71	74,39	75,61	75,58	77,61	77,13	77,88	77,69								137,8
500							74,94	74,68	75,86	77,44	77,65	78,88	79,73	79,89	78,89								140,8
630							73,42	73,83	74,59	74,67	75,83	77,29	78,46	76,66	76,32								138,8
800							80,92	76,74	75,72	77,89	77,82	78,68	78,38	77,99	79,34								138,1
1000							83,28	81,88	81,12	81,21	81,86	82,38	84,48	82,48	88,92								134,8
1250							85,84	84,09	82,53	82,53	83,17	84,88	83,83	82,14	81,49								138,8
1600							84,92	84,62	84,88	85,49	84,98	86,18	87,38	88,88	81,98								139,7
2000							83,97	83,85	85,89	85,92	84,72	84,86	87,81	88,84	88,82								137,7
2500							84,58	83,49	83,91	83,18	83,98	85,48	85,48	78,34	79,22								134,9
3150							87,55	88,89	83,75	84,62	88,21	92,77	88,24	81,66	83,96								140,8
4000							91,49	90,32	87,76	88,79	90,76	90,32	93,11	86,83	87,11								140,9
5000							85,81	86,99	87,65	89,86	89,34	87,62	89,26	83,83	82,81								141,2
6300							85,49	85,91	86,71	88,51	87,34	89,38	87,44	88,38	82,88								141,2
8000							87,62	88,43	85,86	85,82	89,31	88,96	88,88	88,84	88,18								142,9
10000							84,22	88,53	84,88	84,97	84,49	86,84	88,78	88,81	81,18								141,7
MEASURED OASPL							98,47	98,29	97,25	98,34	99,44	100,4	100,8	98,39	98,91								
CALC LATEL OASPL							97,11	97,16	95,86	96,92	98,28	101,2	98,83	93,97	94,49								
PNDB							111,9	111,4	109,9	110,9	113,1	116,8	113,8	108,4	108,9								

OAPWL: 121,8

AMBIENT TEMP, 32,00
RETRIEVE TEMP, 30,07
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FA /CC PRESS # - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RUG=128 SPEED=5752

RADIAL DISTANCE 150

DATE: 2/25/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLE FROM INLET 7,5	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						-1,99	-2,28	-1,28	-,192	,6639	1,632	2,768	4,649	7,499					
63						-2,84	-2,63	-1,26	,1362	,3193	1,963	2,675	4,989	7,593					
80						-3,59	-2,87	-,980	,1684	1,438	2,210	3,881	4,514	7,888					
100						-3,44	-2,38	-,941	,5564	2,348	3,497	3,776	3,552	9,266					
125						-3,88	-2,33	-,398	,8973	1,244	2,651	3,508	4,189	8,216					
160						-2,72	-2,29	-,379	1,965	1,929	2,919	2,818	3,943	4,861					
200						-1,51	-2,83	-,129	3,889	,9506	3,949	3,713	3,938	2,849					
250						,2658	-,787	-,759	,6885	1,192	1,943	2,752	5,188	5,319					
315						1,435	-1,77	-,656	,5372	1,238	2,275	3,842	5,355	3,888					
400						,9247	-1,28	,4024	1,625	1,512	3,822	3,143	3,632	3,898					
500						-,947	-1,20	-,828	1,991	1,763	2,999	3,847	4,882	2,960					
630						-,375	-,178	,5922	,6733	1,835	3,887	4,489	2,663	2,318					
800						4,529	,7495	-,267	1,112	1,832	2,694	2,397	2,818	-,645					
1000						2,959	1,555	,7930	,8852	,9356	1,976	4,073	2,152	1,991					
1250						3,491	2,546	,9793	,9829	1,624	2,931	2,277	,9884	-,888					
1600						1,631	1,326	1,826	2,161	1,626	2,891	4,887	-,744	-1,67					
2000						,8256	1,911	1,951	2,776	1,583	1,719	4,373	-1,89	-2,62					
2500						2,354	1,269	1,602	2,876	1,751	3,224	3,288	-3,69	-3,51					
3150						1,746	,8986	-2,06	-1,18	2,488	6,961	2,438	-4,14	-1,85					
4000						,8322	-,343	-2,96	-,87	2,898	7,663	2,484	-4,43	-1,85					
5000						-,732	1,252	1,911	3,312	3,996	1,880	3,917	-2,71	-3,73					
6300						,4315	,8448	1,658	3,445	2,278	4,289	2,371	-4,68	-1,86					
8000						2,165	2,974	-,397	,3658	3,854	3,187	2,,31	-3,42	-,274					
10000						,7988	5,895	,6429	1,138	1,856	3,184	2,347	-2,62	-2,26					

D71

AMBIENT TEMP, 32,20
WET-BULB TEMP, 30,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5F + 5G IGVS 9 DEG OPEN T/D 2/17/70

RUN#13 RDS=120 SPEED=5750

RADIAL DISTANCE 150

[illegible] 2/2/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.	10.0	20.	30.	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						70.86		70.02		71.81	73.28	73.95	74.56	75.53	77.38	80.69			126.3
63						69.89		70.11		72.13	73.32	73.69	75.16	76.87	78.29	81.25			126.7
80						68.75		69.78		72.26	73.35	74.17	75.16	76.07	77.56	80.88			126.4
100						72.51		72.39		74.86	76.53	77.31	79.58	80.07	83.88	81.42			129.4
125						68.68		70.19		72.93	73.84	74.26	75.36	76.51	77.[illegible]	79.26			128.5
160						67.95		68.77		72.52	72.94	73.23	74.33	74.88	75.1[illegible]	75.17			124.8
200						69.73		68.66		70.07	70.79	70.98	73.38	72.19	73.78	[illegible].87			123.2
250						66.78		65.74		66.66	68.35	68.08	68.89	69.61	71.96	72.02			120.8
315						73.76		70.09		72.07	73.27	73.55	74.57	75.65	78.10	76.75			120.3
400						76.22		73.73		75.56	76.59	76.95	77.99	78.47	79.88	78.58			120.1
500						76.24		75.83		77.26	78.49	78.88	80.12	80.91	81.24	79.79			121.0
630						74.42		74.99		76.28	76.56	77.46	78.89	79.71	78.13	77.58			120.5
800						81.35		76.90		76.37	77.51	78.47	79.57	78.94	78.57	76.23			130.7
1000						84.19		82.75		82.33	82.57	82.81	83.31	85.38	83.16	81.19			135.6
1250						85.83		84.65		83.26	83.65	84.18	85.07	84.88	82.59	82.39			136.7
1600						86.23		85.49		86.14	86.34	86.89	87.46	88.43	83.52	82.62			138.8
2000						85.09		86.02		86.07	86.97	85.52	85.99	88.44	82.78	81.55			138.7
2500						85.78		84.98		85.28	86.17	84.93	86.47	86.24	79.28	80.25			138.1
3150						87.74		86.25		84.85	85.36	88.62	91.24	87.42	81.38	84.27			140.4
4000						92.87		92.39		90.49	90.72	94.80	94.66	92.81	86.15	90.22			145.7
5000						86.02		88.84		90.35	89.78	89.69	88.98	89.63	83.24	82.67			142.4
6300						86.19		88.04		91.33	90.12	88.78	91.18	87.74	81.71	82.54			143.2
8000						88.18		89.82		87.65	86.74	88.51	88.99	87.69	82.91	84.18			143.8
10000						83.96		88.67		84.84	84.59	87.62	90.53	86.24	81.23	81.86			143.1
MEASURE OASPL						99.39		99.71		99.65	99.54	100.5	101.5	100.4	96.11	97.89			
CALCULATED OASPL						98.03		98.47		98.17	98.88	99.17	100.3	98.93	96.69	95.75			
PNDB						113.1		112.9		112.2	112.4	114.3	115.2	113.5	108.8	110.9			

OAPWL: 152.2

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

[illegible] /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] RU =120 SPEED=6[illegible]

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET																
	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	112,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
[illegible]																			
[illegible]						-2,15	-2,93		-1,14	,3297	1,000	1,605	2,576	4,351	7,741				
63						-3,48	-3,26		-1,24	-,852	,3279	1,701	2,705	4,924	7,879				
8						-4,22	-3,19		-,705	,3851	1,199	2,192	3,105	4,592	7,113				
1[illegible]						-3,44	-3,57		-1,09	,5711	1,355	3,626	4,116	4,126	5,444				
125						-4,28	-2,77		-,834	,8730	1,287	2,389	3,548	4,286	6,292				
161						-3,25	-2,43		1,315	1,739	2,026	3,128	2,882	3,946	3,964				
227						,1629	-,902		,5077	1,234	1,418	3,815	2,628	4,218	2,382				
253						-,275	-1,32		-,398	1,288	1,018	1,835	2,551	4,987	5,566				
315						1,265	-2,47		-,489	,7065	,9925	2,813	3,893	5,542	4,185				
4[illegible]						,9923	-1,49		,3319	1,368	1,728	2,778	3,248	3,849	3,274				
507						-,759	-1,27		,1667	1,401	1,789	3,886	3,816	4,139	2,699				
632						-1,66	-,485		,8014	1,886	1,980	3,418	4,241	2,661	2,184				
[illegible]						4,743	,2679		-,269	,8778	1,846	2,937	2,306	1,933	-,483				
1[illegible]						2,621	1,387		,9704	1,204	1,449	1,944	3,942	1,797	-,168				
1256						3,469	2,295		,9056	1,287	1,822	2,712	2,120	,2589	,8276				
1602						1,643	1,111		1,756	1,957	1,789	3,869	4,846	-,978	-1,76				
2208						,9749	1,906		1,949	2,855	1,399	1,879	4,321	-1,42	-2,96				
252[illegible]						2,456	1,658		1,951	2,838	1,684	3,143	2,914	-4,85	-3,88				
315[illegible]						2,269	,7958		-,600	-,893	3,169	5,786	1,965	-4,88	-1,16				
4203						1,583	2,021		,1236	,3465	3,786	4,287	1,642	-4,22	-,186				
5[illegible]						-,287	1,947		3,461	2,893	2,799	2,898	2,739	-3,69	-4,23				
63[illegible]						-,864	,9787		4,273	3,865	1,721	4,842	,6846	-5,35	-4,52				
8[illegible]						2,182	3,822		1,653	,7347	2,589	2,988	1,692	-3,49	-1,69				
1[illegible]						-,828	3,883		-,748	-,282	2,836	5,738	1,451	-3,56	-3,73				

AMBIENT TEMP, 32,00
REFERENCE TEMP, 32,00
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,912

FAA FAR COMPRESS - - PHASE 5B - [illegible] T/D 2/17/70

SOUND SPECTRUM

D73

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

[illegible]	[illegible]	12.0	2[illegible]	3[illegible]	4[illegible]	50.0	60.0	72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						72,13		72,25		73,14	74,63	75,23	76,43	77,79	79,86	83,51			128,4
63						73,07		72,59		73,41	75,23	76,08	76,95	77,95	80,31	83,68			128,9
80						73,72		71,61		73,75	75,09	76,18	77,58	78,42	79,93	82,76			128,7
10[illegible]						74,25		76,79		76,09	77,29	78,78	80,11	82,13	81,83	83,72			131,1
125						74,99		73,19		74,73	75,79	76,69	78,26	79,73	80,18	82,28			130,2
150						69,94		70,81		73,56	74,90	75,31	76,63	76,66	78,11	78,26			127,1
2[illegible]						63,97		67,61		70,83	73,20	73,36	74,64	75,17	75,95	74,23			124,9
250						72,09		68,61		68,46	70,59	70,67	71,42	72,35	74,59	75,05			123,3
315						76,68		73,34		74,81	75,37	76,04	78,11	78,43	80,76	79,14			129,1
400						78,48		76,29		78,15	79,12	79,71	80,73	81,37	81,83	81,86			131,7
500						77,97		77,89		79,45	80,41	81,31	82,70	83,06	82,89	82,00			133,2
630						75,41		76,02		78,33	78,32	79,50	80,86	82,55	80,45	79,29			131,6
[illegible]						82,72		78,89		77,84	79,08	80,36	80,90	80,11	79,63	77,54			132,2
1000						84,54		83,21		83,23	83,31	83,24	84,09	86,39	83,80	81,97			136,3
1250						86,33		85,84		83,92	84,68	84,94	85,88	85,33	83,82	83,37			137,5
1600						86,17		86,31		86,54	87,35	86,79	88,46	89,67	84,34	83,65			139,7
2000						85,22		87,04		86,89	87,50	86,68	87,25	89,94	83,09	82,34			139,7
2500						86,47		85,40		86,11	87,13	86,13	87,43	87,81	80,32	81,22			139,8
3150						88,29		87,26		85,90	86,49	89,57	92,01	88,49	82,18	84,88			141,3
4000						94,12		95,29		98,74	96,07	94,84	95,67	94,84	89,36	89,89			140,9
5000						87,37		89,79		90,54	91,34	90,82	89,74	91,29	85,14	84,01			143,5
6300						87,05		88,51		89,52	92,51	89,74	93,14	89,32	82,70	84,08			144,2
8000						88,73		92,54		87,33	88,85	92,09	90,19	92,08	85,05	86,66			145,3
10000						84,69		89,77		86,86	86,47	88,02	89,07	88,86	82,69	82,25			143,9
[illegible]						100,3		101,5		102,4	102,0	101,8	102,7	102,5	97,92	98,43			
[illegible]						98,92		100,2		101,2	100,6	100,4	101,3	101,1	96,46	97,00			
[illegible]						114,1		115,1		116,9	115,8	115,3	116,3	115,9	111,1	111,5			

OAPWL: 153,9

[illegible] TEMP. 32,02
[illegible] TEMP. 30,00
[illegible] PRESSURE 28,76
[illegible] 3,912

[illegible] PRESS [illegible] - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] RUN=151 SPEED=[illegible]

D74

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	0,0	14,2	20,0	30,0	40,0	52,7	60,7	72,	84,0	90,0	120,0	110,7	120,7	130,0	140,0	152,7	160,0	170,0 (PWL)
						-2,94	-2,86		-1,97	-,482	,1213	1,321	2,687	4,750	8,399			
						-2,43	-2,92		-2,39	-,265	,5826	1,446	2,449	4,886	8,184			
						-4,52	-3,43		-1,49	-,149	,9433	2,349	3,169	4,689	7,920			
						-3,39	-,859		-1,55	-,350	1,131	2,462	4,484	4,185	6,856			
						-4,72	-2,52		-,982	,0872	,9867	2,553	4,825	4,472	6,568			
						-3,58	-2,71		,0475	1,398	1,796	3,114	3,143	4,599	4,747			
						-2,36	-3,51		-,498	1,574	2,834	3,316	3,848	4,622	2,984			
						,4729	-1,62		-1,15	,9885	1,855	1,810	2,743	4,982	5,435			
						1,321	-2,02		-,544	,5079	,6858	2,748	3,074	5,401	3,785			
						,5896	-1,59		,2648	1,227	1,824	2,838	3,482	3,939	3,168			
						-1,27	-1,34		,2127	1,171	2,875	3,467	3,824	3,662	2,764			
						-1,14	-1,55		,7686	,7498	1,933	3,296	4,982	2,886	1,729			
						4,623	,7905		-,257	,9647	2,257	2,801	2,812	1,533	-,599			
						2,475	1,142		1,168	1,245	1,176	2,825	4,320	1,738	-,893			
						3,155	2,667		,7472	1,587	1,787	2,786	2,151	-,153	,1921			
						,9613	1,895		1,325	2,137	1,583	3,849	4,457	-,871	-1,86			
						,1286	1,96		1,824	2,482	1,688	2,182	4,866	-1,98	-2,73			
						2,174	1,107		1,817	2,837	1,836	3,132	3,817	-3,98	-3,88			
						1,949	,9233		-,437	,1581	3,236	5,676	2,152	-4,16	-1,46			
						,4884	1,674		5,126	2,454	1,219	2,853	1,227	-4,26	-3,73			
						-,606	1,822		2,569	3,368	2,842	1,766	3,314	-2,83	-3,97			
						-1,03	,4278		1,444	4,434	1,665	5,859	1,242	-5,28	-3,99			
						,4329	2,238		-,965	,5479	3,799	1,896	3,782	-3,25	-1,64			
						-,925	4,156		1,244	,8551	2,484	3,454	3,252	-2,92	-3,36			

D75

[illegible]	32,02
[illegible]	32,22
[illegible]	28,76
[illegible]	3,912

[illegible]/COMPRESSOR = PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/76

[illegible] RUN=134 SPEED=0450

RADIAL DISTANCE 150

DATE: 2/25/7 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	12.0	24.0	32.0	42.0	52.0	62.0	72.0	82.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5						72.32		72.69		73.69	75.39	76.36	76.81	78.91	81.39	85.15			129.6
63						73.34		72.58		74.04	76.08	76.88	78.82	79.32	81.73	84.98			129.9
8						71.39		72.36		74.79	76.17	77.02	77.88	79.61	81.56	84.56			129.9
1[illegible]						72.54		74.96		76.30	77.95	79.07	80.58	83.07	83.28	85.15			131.8
125						71.53		74.16		75.86	77.32	78.55	79.86	81.73	81.93	83.42			130.8
16[illegible]						70.23		71.16		74.36	75.38	76.21	77.18	77.66	79.12	79.55			127.9
2[illegible]						68.89		66.31		71.42	73.4[illegible]	73.63	74.55	75.07	76.60	74.69			125.2
25[illegible]						71.79		69.15		69.55	71.00	72.16	72.56	73.74	76.14	76.49			124.6
315						77.86		73.49		75.08	75.81	77.55	78.78	80.03	82.16	80.37			130.1
400						75.92		74.05		76.11	77.52	78.71	79.79	80.13	79.17	80.37			130.2
500						78.24		79.16		80.37	81.57	82.39	83.56	83.74	84.09	83.39			134.1
63[illegible]						77.19		77.42		79.45	80.43	81.06	82.09	83.38	81.41	80.41			132.8
8[illegible]						83.43		78.03		77.73	79.13	80.48	81.19	80.75	80.27	78.31			132.5
1[illegible]						84.53		83.92		84.02	84.34	83.94	84.49	86.78	84.27	82.61			136.8
1250						86.41		85.25		84.08	85.32	85.55	86.33	85.60	83.31	83.79			137.7
1600						86.42		86.95		87.21	88.09	87.37	88.91	90.01	84.67	84.15			140.2
2000						85.24		87.24		86.99	88.06	86.96	87.69	90.35	83.37	83.06			140.0
25[illegible]						86.89		85.63		86.74	87.74	86.87	87.99	88.28	80.71	81.96			139.6
3150						88.93		87.52		86.65	87.65	89.90	92.47	88.63	82.80	85.69			141.8
4000						94.74		96.66		95.19	96.85	97.62	95.05	95.52	90.58	89.84			149.1
5000						88.53		90.64		91.20	92.66	91.79	90.36	91.71	85.86	84.92			144.3
6300						87.24		88.61		91.69	94.13	90.52	92.68	89.52	82.79	84.59			144.9
8000						88.79		91.79		87.96	89.28	91.23	91.03	90.51	85.04	86.69			145.0
10000						84.91		89.69		86.67	87.94	88.45	90.95	88.77	83.40	83.47			144.5
MEASURED OASPL						100.7		101.9		101.4	102.9	102.9	102.8	102.8	98.75	99.09			
CALCULATED OASPL						99.35		103.7		100.1	101.6	101.6	101.6	101.4	97.22	97.73			
P DB						114.6		115.9		115.2	116.7	117.1	116.2	116.4	111.9	111.9			

OAPWL: 154.3

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] RUG=132 SPEED=6600

RADIAL DISTANCE 150

[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-3.99		-3.62		-2.59	-.899	.0748	.5226	2.619	5.099	8.865		
63						-3.26		-4.02		-2.57	-.518	.2745	1.416	2.720	5.125	8.377		
80						-5.07		-4.11		-1.68	-.307	.5436	1.411	3.133	5.085	8.086		
100						-5.82		-3.51		-2.06	-.411	.7011	2.217	4.707	4.916	6.787		
125						-5.76		-3.13		-1.44	.0293	1.257	2.566	4.436	4.634	6.323		
160						-4.12		-3.19		.0114	1.033	1.855	2.828	3.313	4.775	5.197		
200						-2.69		-3.27		-.170	1.888	2.042	2.969	3.483	5.019	3.112		
250						.9276		-1.72		-1.33	.1222	1.285	1.685	2.863	5.262	5.619		
315						.7472		-2.82		-1.23	-.497	1.234	2.392	3.718	5.845	4.058		
400						-.427		-2.29		-.242	1.169	2.357	3.438	3.779	2.815	4.014		
500						-1.98		-1.07		.1428	1.344	2.177	3.317	3.515	3.865	3.169		
630						-1.61		-1.39		.6473	1.629	2.258	3.292	4.579	2.606	1.609		
800						5.246		-.355		-.652	.7541	2.898	2.808	2.366	1.889	-.072		
1000						1.921		1.291		1.395	1.716	1.314	1.869	4.158	1.644	-.016		
1250						2.994		1.839		.6696	1.902	2.136	2.919	2.188	-.121	.3734		
1600						.8732		1.209		1.463	2.351	1.620	3.166	4.269	-1.08	-1.59		
2000						-.163		1.834		1.596	2.661	1.558	2.284	4.944	-2.03	-2.34		
2500						2.065		.7945		1.904	2.903	2.333	3.166	3.445	-4.12	-2.87		
3150						2.085		.6711		-.199	.7989	3.354	5.626	1.788	-4.04	-1.15		
4000						.9778		2.896		1.433	3.089	3.020	1.284	1.762	-3.18	-3.92		
5000						-.311		1.805		2.362	3.824	2.950	1.518	2.874	-2.98	-3.92		
6300						-1.63		-.262		2.827	5.259	1.654	3.813	.6521	-6.08	-4.27		
8000						.8152		3.817		-.015	1.305	3.255	3.059	2.542	-2.93	-1.29		
10000						-1.31		3.466		.4372	1.709	2.219	4.720	2.543	-2.83	-2.76		

[illegible] TEMP. 32.00
[illegible] TEMP. 30.00
[illegible] PRESSURE 28.76
[illegible] 3.912

[illegible] PRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] RUG=132 SPEED=6622

D77

RADIAL DISTANCE 150

DATE 2/25/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	2.5	17.5	25.0	32.5	40.0	50.0	60.0	72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
FREQ.																			
50						73.34		74.52		75.39	77.18	77.76	78.78	80.61	83.18	87.83			131.4
63						74.55		74.25		75.77	77.63	78.13	79.48	81.00	83.49	87.09			131.7
80						73.23		74.25		76.22	77.33	78.67	80.23	81.37	83.59	86.62			131.8
100						73.66		75.95		77.21	78.41	79.28	81.47	82.49	83.85	86.74			132.5
125						76.78		78.15		79.82	78.35	79.81	82.44	83.58	83.79	86.82			133.8
160						72.29		73.30		75.38	76.24	77.88	78.19	78.84	80.52	81.89			129.2
200						72.29		71.16		72.14	73.46	74.13	76.89	75.79	77.25	75.86			126.2
250						73.33		72.78		72.28	73.68	74.51	75.66	76.77	78.48	78.68			127.2
315						77.87		76.01		77.95	79.02	79.79	81.23	82.11	83.58	81.87			132.1
400						77.19		76.57		78.76	78.77	80.67	80.14	81.76	80.11	80.85			130.1
500						80.74		80.98		82.35	84.05	83.59	85.45	85.91	85.98	85.33			134.1
630						76.84		78.52		79.86	79.75	80.28	82.85	83.35	81.79	81.38			13 .8
800						83.49		80.52		80.43	81.49	82.41	83.88	82.79	82.35	79.96			134.2
1000						85.79		84.59		85.96	84.48	84.43	85.22	87.37	85.46	83.72			137.6
1250						87.31		86.88		86.11	85.66	86.38	86.81	86.96	84.42	86.47			138.7
1600						86.89		87.24		88.19	88.37	88.87	90.19	89.93	89.49	84.93			140.8
2000						85.59		87.36		88.62	88.67	88.11	89.83	91.38	86.81	83.46			140.9
2500						86.58		85.88		87.97	88.24	87.32	89.18	89.17	88.81	89.00			140.2
3150						89.06		87.68		88.11	87.92	90.44	93.53	89.38	83.48	86.12			142.5
4000						93.54		96.88		97.41	96.89	101.1	95.58	94.98	91.58	92.49			150.3
5000						92.76		94.23		95.22	95.22	97.43	92.91	94.15	89.53	89.11			147.9
6300						88.48		89.63		92.17	93.88	91.16	93.19	89.93	83.96	84.95			145.3
8000						88.69		93.75		89.28	89.67	91.67	92.21	91.37	85.11	86.89			145.9
10000						86.52		93.07		89.55	88.97	89.49	91.35	90.42	89.04	84.84			144.3
MEASURED OASPL						100.9		103.2		103.5	103.6	103.4	103.9	103.5	100.1	100.8			
CALCULATED OASPL						99.58		102.1		102.2	102.2	104.3	102.6	102.1	98.63	99.36			
PNDB						114.4		116.8		117.2	117.1	119.7	117.1	116.7	113.2	113.8			
																	OAPWL:		155.7

AMBIENT TEMP, 32.22
WET-BULB TEMP, 30.02
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.612

FAN HAT/COMPRESSOR - PHASE 5B + DC IGVS 9 DEG OPEN T/D 2/17/72

ROTOR RUN=133 SPEED=9962

D78

RADIAL DISTANCE 130

DATE: 2/25/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	1[illegible]	2[illegible]	30,2	40,2	50,2	60,2	70,2	80,2	9[illegible],0	100,0	110,0	120,2	130,2	140,2	150,2	160,0	170,0	(PWL)
[illegible]						-4,72		-3,54		-2,67	-,878	-,303	,7204	2,55[illegible]	5,118	8,969			
5[illegible]						-3,76		-4,06		-2,55	-1,28	-,181	1,165	2,66[illegible]	5,173	8,762			
63						-5,14		-4,12		-2,15	-1,05	,2991	1,859	3,884	5,218	8,254			
[illegible]						-5,37		-3,07		-1,82	-,613	,2587	2,447	3,462	4,827	7,719			
1[illegible]						-2,84		-1,47		,2016	-1,28	,1839	3,014	3,958	4,163	6,399			
125						-3,34		-2,34		-,256	,6037	1,442	2,949	3,261	4,879	5,484			
16[illegible]						-,294		-1,43		-,442	,8783	1,542	3,502	3,206	4,667	3,270			
2[illegible]						-,134		-,677		-1,18	,2246	1,048	2,202	3,314	5,019	5,220			
25[illegible]						-,498		-2,35		-,419	,6496	1,429	2,867	3,739	5,209	3,505			
315						-1,07		-1,69		,5024	,5092	2,213	3,879	3,498	3,853	2,588			
4[illegible]						-1,45		-1,20		,1624	1,069	1,408	3,266	3,724	3,797	3,145			
5[illegible]						-1,98		-,295		1,045	,9310	1,463	3,236	4,526	2,969	2,485			
63[illegible]						3,348		,3776		,2814	1,339	2,261	2,934	2,645	2,207	-,182			
8[illegible]						2,336		1,232		1,697	1,039	1,064	1,853	4,011	2,091	,3602			
[illegible]						2,902		2,402		-,705	1,255	1,976	2,484	2,168	,8492	,0652			
125[illegible]						,5791		,9227		1,881	2,047	1,755	3,869	3,608	-,824	-1,39			
13[illegible]						-,721		1,039		2,306	2,346	1,792	2,790	5,882	-2,31	-2,85			
2[illegible]						1,100		,3172		2,490	2,758	1,837	3,69[illegible]	3,689	-4,68	-3,48			
2500						1,499		,1164		,5435	,3572	3,079	5,961	1,737	-4,09	-1,45			
3150						-1,50		1,836		2,363	1,852	6,089	,5390	-,065	-3,46	-2,56			
4000						-1,68		1,789		2,781	2,782	4,989	,4621	1,711	-2,91	-3,34			
5000						-,765		,3838		2,923	4,560	1,913	3,953	,6862	-5,29	-4,29			
6300						-,232		4,822		,3521	,7462	2,742	3,282	2,448	-3,82	-2,64			
8000						-1,46		5,089		1,567	,9807	1,526	3,366	2,437	-2,95	-3,94			
10000																			

A[illegible] TEMP. 32,22
WET-BULB TEMP. 32,22
BAR. PRESSURE 28,76
ABS. [illegible] 3,912

FAN [illegible] - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/74

[illegible] FUG=137 SPEED=6900

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RADIAL DISTANCE 150

DATE 2/25/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 12,2	24,2	30,2	40,2	52,2	64,2	72,2	82,2	90,0	100,0	110,0	120,0	130,0	140,2	150,2	160,0	170,0	(PWL)
50					74,17	75,11	76,48	78,48	79,49	79,78	81,38	84,42	88,99					138,8
63					75,94	75,34	77,21	78,73	79,81	80,67	82,69	85,45	89,19					139,5
80					74,64	75,65	77,82	79,44	80,35	81,34	83,07	84,98	88,27					139,4
100					74,74	76,73	78,65	80,29	81,17	82,75	84,86	85,42	88,33					134,0
125					77,48	78,04	78,78	80,99	81,92	82,82	84,35	86,94	89,67					138,9
160					73,76	74,68	77,36	78,47	79,81	79,80	80,35	82,17	88,64					139,0
200					72,99	72,24	74,68	76,32	76,52	77,32	77,23	79,34	77,31					128,1
250					76,17	73,59	73,79	75,10	77,08	76,49	77,37	79,92	80,07					128,6
315					77,87	77,55	81,28	80,39	81,58	82,74	82,51	85,14	83,26					133,6
400					77,73	79,86	82,56	80,58	81,74	82,85	83,49	81,91	82,43					133,6
500					81,69	82,24	82,89	84,82	84,49	87,22	86,43	87,59	86,16					137,8
630					77,79	80,43	81,72	81,61	81,74	83,84	84,57	82,87	81,95					134,2
800					82,76	79,85	81,29	80,79	82,41	83,23	82,63	82,88	79,75					134,2
1000					86,52	86,11	85,52	85,17	85,65	86,38	86,33	85,08	84,93					138,9
1250					86,67	86,68	85,59	86,76	87,99	87,72	85,43	84,14	88,89					138,9
1600					85,74	86,43	86,93	88,01	86,98	88,79	86,88	84,49	84,88					139,7
2000					83,73	86,75	86,89	87,59	86,87	87,46	88,98	82,59	82,32					139,4
2500					84,42	85,80	85,85	86,52	85,53	87,27	87,37	80,86	80,21					138,5
3150					87,61	87,59	87,03	87,84	89,43	91,87	88,82	82,69	88,52					141,4
4000					93,99	97,51	93,47	93,37	94,94	94,18	94,65	87,97	89,86					147,7
5000					97,84	102,3	97,09	96,70	96,87	95,88	98,99	90,36	94,99					151,4
6300					98,02	98,93	92,12	94,36	91,38	93,28	89,48	84,29	86,16					148,7
8000					88,15	91,69	88,49	89,49	91,49	91,18	89,62	84,23	86,71					144,9
10000					87,38	93,16	91,34	92,98	92,65	91,88	92,75	86,97	88,35					148,5
MEASURED OASPL					102,9	106,3	103,1	103,6	103,7	103,9	104,7	100,5	101,6					
CALCULATED OASPL					101,4	105,1	101,7	102,3	102,2	102,5	103,2	98,64	100,1					
PNDB					116,3	119,7	116,5	116,6	116,5	116,5	118,2	113,2	112,9					

OAPWL: 156,3

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA PA /CO PRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RUN=134 SPEED=7100

RADIAL DISTANCE 150

DATE: 2/25/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-5,33		-4,39		-3,01	-1,01	,0079	,2098	1,884	4,929	9,493		
63						-4,18		-4,78		-2,92	-1,39	-,318	,7468	2,561	5,326	9,058		
80						-5,29		-4,29		-2,12	-,503	,4102	1,390	3,132	5,042	8,333		
100						-5,83		-3,84		-1,92	-,272	,5971	2,162	3,494	4,854	7,761		
125						-4,93		-4,38		-3,64	-1,43	-,501	4,403	3,933	4,522	7,256		
160						-3,54		-2,61		,0649	1,176	1,710	2,538	3,057	4,870	5,343		
200						-1,43		-2,17		,2504	1,895	2,077	2,892	2,802	4,915	2,866		
250						1,255		-1,32		-1,12	,1859	2,161	1,574	2,457	5,006	5,195		
315						-1,97		-2,29		1,011	,3495	1,749	2,902	2,676	5,297	3,419		
400						-2,36		-,736		2,771	,7924	1,946	3,058	3,701	2,120	2,639		
500						-1,58		-1,04		-,389	1,537	1,418	3,943	3,153	4,318	2,876		
630						-2,37		,2612		1,553	1,443	1,568	2,868	4,395	2,702	1,779		
800						2,687		-,223		1,191	,7165	2,338	3,157	2,760	2,508	-,316		
1000						2,234		1,827		1,237	,8831	1,364	2,068	4,041	1,590	,2434		
1250						2,251		2,256		,9339	2,159	3,369	3,103	,8115	-,479	-,732		
1600						,4527		1,145		1,639	2,720	1,665	3,505	3,516	-,803	-1,20		
2000						-1,38		1,941		2,084	2,789	2,059	2,651	4,[illegible]49	-2,21	-2,48		
2500						,8838		1,266		2,115	2,784	1,789	3,535	3,6[illegible]8	-3,73	-2,83		
3150						1,197		1,185		,6157	,6244	3,211	5,451	1,609	-3,73	-,892		
4000						1,533		5,097		1,051	,9509	2,525	1,759	2,230	-4,85	-3,36		
5000						1,901		6,392		1,164	,7679	,1306	-,853	3,051	-5,58	-4,94		
6300						,3761		1,288		2,472	4,712	1,734	3,632	-,166	-3,36	-3,48		
8000						,1515		3,738		,5379	1,538	3,724	3,142	1,661	-3,73	-1,25		
10000						-2,82		4,956		1,137	2,776	2,445	1,675	2,546	-3,24	-3,65		

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 2[illegible],76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESS[illegible] - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] PL[illegible]=134 SPEED=7100

RADIAL DISTANCE 150

DATE: 2/27/7 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						75,54		76,81		77,62	79,50	79,96	80,69	82,84	86,06	90,42			134,1
63						77,29		77,46		78,81	80,41	80,95	82,08	84,02	86,76	90,63			134,9
80						75,79		76,75		79,00	80,90	81,63	82,64	84,19	87,01	90,06			134,9
100						75,77		77,82		79,49	81,55	82,14	83,94	85,29	87,26	90,19			135,5
125						76,11		78,39		81,29	83,17	82,95	90,09	87,23	88,98	91,46			137,9
160						74,55		75,82		78,12	79,55	79,76	81,06	81,81	83,79	84,07			132,1
200						74,26		73,51		75,41	77,33	76,82	77,95	78,61	80,42	78,91			129,1
250						77,75		74,08		75,01	76,49	78,19	78,71	79,44	81,25	81,65			130,1
315						79,19		77,81		80,56	81,88	82,30	83,59	84,65	87,35	85,44			134,9
400						82,42		80,83		83,08	85,56	86,26	86,76	87,78	87,92	87,60			137,7
500						81,10		81,75		83,04	84,88	85,45	87,13	86,07	88,93	87,62			137,9
630						76,69		78,70		79,54	82,38	83,08	84,12	86,39	85,05	83,42			135,8
800						81,37		80,45		81,42	83,34	82,36	84,06	85,14	85,22	81,99			135,3
1000						82,59		84,08		83,64	84,35	84,32	85,50	86,01	86,57	85,12			137,4
1250						84,29		85,72		83,89	87,80	85,07	86,59	86,94	86,72	83,61			138,4
1600						82,19		84,73		86,61	86,87	85,41	86,87	86,98	84,85	83,43			138,3
2000						81,83		88,49		87,96	87,98	85,82	85,64	86,13	84,08	81,51			139,2
2500						82,54		88,19		86,95	86,58	84,83	85,72	84,78	80,57	79,71			138,4
3150						85,25		90,87		86,39	85,66	87,37	90,01	85,49	81,86	83,56			140,5
4000						90,92		95,30		91,59	94,14	95,32	93,87	90,96	86,71	87,21			146,5
5000						97,35		103,2		97,41	102,4	102,2	100,0	98,00	92,56	92,53			153,9
6300						89,59		90,09		90,26	92,29	90,61	92,05	88,55	84,33	85,59			144,5
8000						87,48		91,42		87,13	88,82	91,04	90,72	87,68	83,55	86,22			144,3
10000						87,75		95,45		90,29	93,56	93,33	96,52	92,56	86,91	86,38			149,5
EASURED OASPL						101,8		106,5		102,6	105,9	105,9	105,2	103,9	101,9	102,6			
CALC LATED OASPL						102,4		105,4		101,3	104,7	104,6	104,2	102,4	100,3	101,1			
PNDB						115,5		120,2		116,4	119,8	119,7	118,9	117,3	113,8	113,8			

OAPWL: 157,2

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,00
BAR. PRESSURE 28,74
ABS. HUMIDITY 3,012

FAA FAN/CO PRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

PC =13 RUG=135 SPEED=7300

D82

RADIAL DISTANCE 150

DATE: 2/27/

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5						-5,29		-4,21		-3,20	-1,32	-,861	-,139	2,015	5,234	9,592		
63						-4,24		-4,07		-2,72	-1,12	-,581	,5503	2,494	5,232	9,103		
8						-5,72		-4,76		-2,50	-,601	,1249	1,138	2,684	5,509	8,561		
100						-6,32		-4,21		-2,53	-,480	,1151	1,911	3,268	5,228	8,164		
125						-8,29		-6,20		-3,11	-1,23	-1,44	5,695	2,837	4,587	7,059		
160						-3,98		-2,72		-,413	1,015	1,221	2,525	3,279	5,251	5,536		
200						-1,15		-1,89		-,007	1,912	1,408	2,533	3,195	5,010	3,498		
250						1,319		-2,35		-1,42	,0585	1,769	2,282	3,011	4,820	5,224		
315						-2,01		-3,39		-,637	,6886	1,126	2,389	3,458	6,157	4,242		
400						-1,44		-3,03		-,783	1,694	2,394	2,895	3,915	4,053	3,738		
500						-2,83		-2,19		-,899	,9488	1,514	3,198	4,138	4,993	3,683		
63						-4,31		-2,30		-1,47	1,369	2,066	3,111	5,382	4,039	2,408		
80						,1957		-,725		,0424	2,161	1,181	2,882	3,959	4,044	,8068		
100						-,631		,854		,4176	1,123	1,098	2,281	4,789	3,350	1,892		
125						,2247		1,6[illegible]		-,169	3,738	1,009	2,526	2,875	2,659	-,455		
160						-1,71		,8341		2,711	2,975	1,509	2,974	3,07[illegible]	,9489	-,470		
200						-2,74		3,917		3,378	3,485	1,243	1,061	1,554	-,497	-3,07		
250						-1,09		4,567		3,323	2,952	,3988	2,092	1,149	-3,06	-3,92		
315						-,299		5,318		,8359	,1096	1,819	4,461	-,062	-3,69	-1,99		
400						-,287		4,093		,3917	2,931	4,113	2,668	-,248	-4,49	-4,08		
500						-1,00		4,814		-,945	4,039	3,886	1,654	-,354	-5,79	-5,82		
630						1,232		1,739		1,901	3,931	2,256	3,689	,1934	-4,03	-2,76		
800						,2237		4,162		-,124	1,567	3,791	3,465	,4316	-3,69	-1,03		
1000						-3,43		4,262		-,894	2,391	2,144	5,332	1,373	-4,28	-4,81		

AMBIENT TEMP. 34,07
WET-BULB TEMP. 32,07
BAR. PRESSURE 25,75
ABS. HUMIDITY 3,919

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RO =13 RDG=13* SPEED=7320

RADIAL DISTANCE 150

DATE 2/17/78 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
52					76,19	76,81	77,99	80,36	81,42	82,29	84,16	87,43	92,19					138,6
63					79,63	78,88	80,73	82,63	83,69	83,84	85,81	88,45	92,61					136,7
80					76,86	77,64	80,02	81,58	82,85	84,11	85,53	88,31	91,59					136,1
100					76,34	78,93	80,62	82,39	83,39	84,71	86,94	88,89	91,84					136,8
125					79,48	81,22	81,84	84,75	89,84	98,32	98,27	89,38	90,93					139,3
160					75,45	76,33	78,93	80,15	81,28	82,71	83,38	85,23	88,19					133,6
200					74,55	73,89	76,66	77,75	77,57	79,28	80,89	82,21	86,76					130,3
250					74,73	73,01	74,91	76,41	77,44	77,74	79,49	81,34	82,91					129,8
315					78,67	76,79	80,29	81,38	81,78	82,82	84,07	86,84	84,54					134,4
400					80,88	81,20	83,43	84,39	85,64	86,86	87,38	87,71	88,62					137,3
500					80,65	82,40	83,73	85,41	86,33	87,48	88,48	89,28	88,23					138,3
630					77,61	80,45	80,71	81,86	82,65	84,98	86,76	86,72	85,12					135,8
800					79,29	78,84	79,18	80,99	83,52	84,39	84,84	83,91	81,98					134,5
1000					82,59	83,00	83,53	84,12	84,49	85,67	87,76	86,86	84,33					137,3
1250					86,93	84,83	84,42	87,71	88,84	88,76	86,81	88,19	84,38					140,4
1600					85,28	87,54	87,36	86,88	85,51	85,82	87,40	84,94	83,84					138,9
2000					87,32	93,42	92,65	90,78	86,59	84,69	87,31	83,89	82,87					142,4
2500					85,79	86,77	85,12	86,89	82,78	84,63	83,81	88,11	79,42					138,8
3150					86,37	90,61	84,41	84,39	85,99	87,69	84,89	81,33	83,45					139,8
4000					88,58	91,78	91,29	90,81	92,85	91,27	90,19	86,21	86,64					144,1
5000					97,74	100,2	101,4	99,73	99,29	98,79	99,67	95,81	93,88					152,9
6300					89,51	89,96	89,95	91,31	89,23	91,88	88,39	83,88	85,57					146,8
8000					87,94	91,48	87,75	87,65	89,28	89,16	86,71	82,68	85,33					143,4
10000					87,56	99,36	96,29	94,59	93,61	93,71	91,78	86,73	86,69					151,1
MEASURED OASPL					102,6	105,3	105,1	104,3	104,1	104,2	104,6	102,6	103,3					
CALCULATED OASPL					101,8	104,7	104,2	103,1	102,9	102,9	103,2	101,1	101,9					
P-DB					116,2	118,8	118,9	118,1	117,8	117,8	118,2	114,9	114,5					

OAPWL: 157,8

D84

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,012

FAN 50 /60 PRESS. - PHASE 58 + 90 IGVS 9 DEG OPEN T/D 2/17/78

R. RPM 8018.4 SPEC.#7502

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-6.07	-5.45			-4.28	-1.96	-.847	.0227	1.894	5.171	9.928		
63						-3.69	-4.42			-2.57	-.475	.5821	.5341	2.498	5.142	8.703		
80						-5.95	-5.18			-2.79	-1.31	.0322	1.290	2.769	5.495	8.779		
100						-7.03	-4.44			-2.75	-.974	.0295	1.339	3.166	5.525	8.467		
125						-6.36	-4.55			-4.74	-1.02	3.269	4.547	4.498	3.529	5.155		
160						-4.54	-3.66			-1.06	.1595	1.259	2.727	3.547	5.245	6.202		
200						-2.78	-2.73			.0348	1.121	.9433	2.619	3.472	5.579	4.127		
250						-1.39	-3.11			-1.21	.2849	1.314	1.619	3.374	5.214	6.386		
315						-1.94	-3.82			-.327	.9643	1.161	2.204	3.459	6.223	3.919		
400						-2.56	-2.23			-.007	.9512	2.197	3.416	3.939	4.271	3.182		
500						-3.75	-1.99			-.672	1.013	1.925	3.029	4.003	4.883	3.821		
630						-4.17	-1.33			-1.27	.1023	.8727	3.127	5.205	4.940	3.346		
800						-1.13	-2.38			-1.25	.5595	3.095	3.960	4.414	3.482	1.478		
1000						-.473	-.265			.4625	1.052	1.434	2.606	4.689	3.789	1.268		
1250						2.873	.7719			.3655	3.655	1.882	1.698	2.152	1.127	.2423		
1600						.6644	2.998			2.841	2.261	.9749	1.279	2.983	.3953	-.698		
2000						-.453	5.646			4.875	2.931	-1.13	-3.08	-.458	-4.68	-5.72		
2500						2.521	5.479			1.829	2.806	-.516	1.338	-.281	-3.18	-3.87		
3150						3.551	5.799			-.408	-.418	1.174	2.882	-.723	-3.49	-1.36		
4000						1.715	2.988			2.512	1.225	3.263	2.479	1.359	-2.57	-2.15		
5000						.3235	2.827			4.015	2.312	1.882	1.329	2.257	-2.41	-3.54		
6300						1.792	2.241			2.227	3.593	1.513	3.366	.6670	-3.84	-2.15		
8000						1.387	4.926			1.284	1.099	2.695	2.614	.1577	-3.87	-1.22		
10000						-5.23	6.574			3.505	1.801	.8211	.9216	-1.00	-6.06	-6.09		

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AMBIENT TEMP. 32.00
[illegible] TEMP. 30.00
[illegible] PRESSURE 28.76
ABS. [illegible] 3.012

FAA MA /CO PRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RUN=134 SPEED=7500

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	12,0	24,0	30,0	42,0	54,0	60,0	72,0	84,0	90,0	100,0	110,0	120,0	130,0	142,0	152,0	160,0	170,0	(PWL)
50						76,72	78,29	79,62	81,59	82,52	83,32	85,39	88,69	93,32					136,7
63						79,36	80,62	81,48	83,09	84,01	84,89	86,91	89,89	93,75					137,9
80						77,63	79,04	81,39	83,22	84,04	85,87	86,81	89,73	93,25					137,4
100						77,22	79,83	81,86	83,28	84,44	85,69	87,79	89,91	92,98					137,9
125						85,96	83,96	81,98	83,83	87,87	89,81	91,16	89,23	91,03					139,8
160						76,86	77,82	79,96	81,32	81,54	82,75	83,87	84,28	89,28					133,7
200						75,61	74,95	77,31	78,48	77,78	78,84	79,94	81,08	81,08					128,3
250						75,69	75,66	76,83	79,14	78,44	80,91	83,24	85,69	85,16					130,8
315						79,48	77,69	81,92	82,78	83,87	86,37	87,89	90,49	88,27					137,4
400						83,79	82,40	88,29	86,83	87,79	89,84	89,77	90,93	90,59					140,8
500						83,39	83, 5	85,03	85,64	87,09	88,68	89,63	89,79	89,28					139,3
630						78,49	80, 3	81,17	81,39	82,58	83,26	85,74	84,22	82,73					134,7
800						85,51	84 42	84,28	87,86	89,49	87,19	88,47	88,68	85,41					139,4
1000						86,62	87,78	86,18	85,89	86,77	85,78	88,59	87,28	86,32					138,9
1250						99,17	9 ,33	98,31	91,78	98,34	86,96	91,88	89,73	88,66					145,1
1600						87,42	7 ,46	91,28	91,88	88,30	87,94	88,38	87,33	85,21					140,1
2000						86,62	3,73	93,39	89,71	87,29	85,49	87,89	86,45	83,13					140,7
2500						84,21	6,86	85,69	83,65	83,29	84,58	83,51	80,76	78,71					137,8
3150						88,14	89,69	85,97	88,71	84,96	87,83	84,16	82,83	83,49					139,2
4000						98,39	91,64	91,33	88,68	98,36	98,16	88,14	85,45	85,69					143,3
5000						96,98	98,11	101,7	100,1	99,18	97,19	96,86	95,29	92,99					151,3
6300						88 ,3	86,86	98,85	98,29	88,59	89,68	87,46	83,54	84,62					145,1
8000						,58	90,91	88,49	87,78	89,28	88,69	86,43	83,21	85,29					143,4
10000						96,99	95,18	93,64	91,99	93,44	93,58	91,19	86,35	86,81					146,9
MEASURED OASPL						103,4	105,1	106,0	104,7	104,8	103,0	104,3	103,9	104,3					
CALCULATED OASPL						101,8	103,9	104,7	103,4	103,2	102,9	102,7	102,3	102,0					
PNDB						116,3	11 ,9	119,7	118,4	118,8	117,1	116,8	115,7	114,6					
																		OAPWL:	150,7

DRY BULB TEMP, 32,00
WET BULB TEMP, 30,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

FLIGHT RUN=137 SPEED=7727

RADIAL DISTANCE 150

DATE: 2/-7/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0 (PWL)
[illegible]						-6,71		-5,15		-3,81	-1,84	-,908	-,115	1,954	5,263	9,868		
63						-5, 4		-4,48		-3,02	-1,41	-,488	,3918	2,404	5,391	9,246		
[illegible]						-6,62		-5,19		-2,84	-1,21	-,186	,8410	2,578	5,498	9,024		
[illegible]						-7,24		-4,63		-2,59	-1,17	-,017	1,241	3,342	5,454	8,525		
125						,2944		-1,71		-3,76	-2,84	2,204	2,348	5,491	3,568	5,366		
167						-3,27		-2,32		-,171	1,187	1,409	2,620	3,842	4,731	5,147		
[illegible]						-1,04		-1,70		,6550	1,825	1,049	2,184	3,287	4,423	4,429		
[illegible]						-3,44		-3,47		-2,31	,0094	-,697	1,779	4,106	6,551	6,026		
315						-4,17		-5,89		-2,36	-,798	,2970	2,790	4,314	6,913	4,692		
[illegible]						-2,21		-3,59		-,744	,8344	1,754	3,045	3,771	4,930	4,599		
[illegible]						-2,02		-1,56		-,37[illegible]	,2317	1,693	3,273	4,219	4,383	3,872		
[illegible]						-2,24		,1085		,4451	,6249	1,852	2,535	5,032	3,493	2,903		
[illegible]						,1792		-,923		-1,25	2,537	4,165	1,863	3,146	3,354	-,313		
[illegible]						1,962		1,120		1,44[illegible]	,4267	2,106	1,119	3,886	2,620	1,661		
[illegible]						4,382		5,546		2,53[illegible]	,9994	-,442	-4,22	,4667	-1,05	-2,33		
[illegible]						-,218		3,820		3,643	3,447	,6635	,3051	,8641	-,305	-2,48		
[illegible]						-1,49		5,623		5,289	1,599	-,819	-2,42	-,521	-1,66	-4,98		
2500						1,919		3,774		3,487	1,359	,9625	2,215	1,219	-1,53	-2,58		
3150						3,643		5,203		1,478	-1,78	,4606	3,338	-,333	-2,46	-1,01		
4000						2,401		3,659		3,348	,6979	2,370	2,172	,1513	-2,54	-2,29		
5000						,2162		1,343		4,969	3,307	2,415	,4336	-,205	-1,48	-3,77		
63[illegible]						1,275		1,812		3,800	3,201	1,539	2,835	,4104	-3,51	-2,43		
8000						1,176		4,505		2,094	1,299	2,799	2,294	,0256	-3,19	-1,11		
10700						-3,56		4,627		3,094	1,440	2,891	2,953	,6366	-4,19	-4,34		

AMBIENT TEMP. 32,00
WET-BULB TEMP. 32,23
BAR. PRESSURE 28,74
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=15 RUN=137 SPEED=7700

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RADIAL DISTANCE 150

DATE: 2/25/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	7.2	10.0	24.0	32.2	40.0	50.2	60.0	70.0	80.2	90.0	100.2	110.0	120.0	130.0	140.0	150.2	160.0	170.0	(PWL)
	ANGLES FROM INLET																		
50						77,98		79,95		80,74	82,87	83,97	84,57	87,03	90,12	94,64			138,1
63						79,80		80,49		81,81	83,64	84,78	85,93	88,19	91,63	95,89			139,4
80						78,80		80,75		82,97	84,91	85,73	87,17	88,79	91,47	95,81			139,4
100						78,41		82,20		83,74	85,29	86,32	87,62	89,67	92,85	94,98			139,9
125						89,03		92,77		86,08	86,84	87,09	88,49	89,66	90,43	93,37			141,3
160						79,75		82,31		82,86	83,13	83,42	84,98	86,44	87,28	88,14			138,1
200						76,38		76,39		78,75	79,93	79,78	81,12	81,47	83,36	82,93			135,1
250						78,52		75,88		77,09	79,55	80,69	82,87	84,33	86,81	86,28			136,1
315						81,42		80,02		82,71	84,95	86,24	87,61	89,38	91,98	89,47			138,9
400						85,62		85,54		86,66	88,97	88,87	88,32	91,78	92,96	88,98			140,1
500						88,49		89,51		86,68	87,68	88,99	88,71	91,89	91,91	88,83			141,1
630						83,64		82,50		84,18	85,33	84,12	85,91	87,66	86,83	84,32			137,9
800						88,75		87,90		82,42	84,36	80,74	86,51	87,98	88,92	85,75			139,4
1000						87,59		90,06		88,19	87,42	86,92	88,32	90,22	88,54	87,82			142,8
1250						93,34		99,28		96,53	98,28	87,79	91,41	93,46	91,36	88,73			146,7
1600						89,46		93,15		90,89	89,82	87,91	89,88	90,64	87,86	85,89			142,8
2000						87,44		91,68		89,73	87,61	87,46	87,39	88,78	87,87	84,47			141,4
2500						83,91		86,77		84,77	85,88	83,55	85,88	84,54	81,78	80,79			137,2
3150						86,98		88,54		83,82	85,15	85,09	86,98	84,92	83,85	84,37			139,1
4000						89,81		91,14		88,98	89,56	90,36	90,61	88,59	88,67	86,39			142,9
5000						92,38		97,55		97,43	99,39	96,84	96,11	96,99	92,79	91,76			146,7
6300						87,88		90,14		89,26	91,31	88,99	91,25	88,83	86,31	84,77			142,4
8000						87,78		91,49		87,44	90,46	89,78	89,48	87,86	86,01	85,78			144,1
10000						86,99		97,64		92,11	96,84	93,09	94,74	90,74	88,74	86,39			148,9
MEASURED OASPL						102,3		106,1		104,2	105,8	104,6	104,6	105,3	104,7	102,7			
CALCULATED OASPL						100,8		105,2		102,9	103,7	103,2	103,4	103,7	103,2	104,2			
PNDB						114,2		118,2		117,1	118,4	118,8	117,3	117,6	119,2	118,7			
																		OAPWL=	156,9

AMBIENT TEMP. 32,00
WET-BULB TEMP. 30,60
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C ,CVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=136 SPEED=7900

RADIAL DISTANCE 150

DATE: 2/25/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-6.84		-4.87		-4.08	-1.95	-.845	-.248	2.214	5.299	9.823			
63						-6.25		-5.56		-4.24	-2.41	-1.27	-.124	2.141	5.576	9.846			
80						-7.15		-5.28		-3.86	-1.12	-.394	1.138	2.765	5.434	8.978			
100						-8.03		-4.24		-2.71	-1.15	-.125	1.174	3.228	5.689	8.535			
125						1.253		4.991		-1.70	-1.74	-.680	.7187	1.887	2.649	5.596			
160						-2.76		-.194		-.488	.6285	1.113	2.399	2.959	4.744	5.687			
200						-2.07		-2.06		.3007	1.484	1.328	2.670	3.020	4.914	4.485			
250						-1.86		-4.50		-3.29	-.837	.3057	2.493	3.947	6.429	5.895			
315						-3.72		-5.12		-2.44	-.193	1.089	2.461	4.202	6.832	4.323			
400						-2.59		-2.68		-1.56	2.794	1.853	2.183	3.563	4.747	4.286			
500						-3.69		-1.67		-.583	.4968	1.800	3.524	4.367	4.722	3.846			
630						.1336		-.406		1.272	.4219	1.197	2.995	4.744	3.116	1.412			
800						3.437		2.589		-2.89	-.948	3.424	1.196	2.592	3.686	.4489			
1000						.9239		3.485		1.611	.8351	.3444	1.739	3.635	1.962	.4387			
1250						.8978		6.841		4.284	-2.56	-4.66	-1.03	1.016	-1.08	-3.71			
1600						1.661		4.384		2.292	2.026	.8095	1.204	2.642	-.561	-1.91			
2000						.6358		4.883		2.926	.8049	.5644	.5844	1.952	1.074	-2.33			
2500						1.114		3.979		1.978	2.227	.7546	2.881	1.743	-1.02	-1.99			
3150						2.800		4.357		-.659	-1.03	.9187	4.751	.7370	-1.13	.1079			
4000						1.852		3.478		1.294	1.902	2.703	2.958	.9544	-1.99	-1.27			
5000						-2.87		2.378		2.256	4.220	3.664	.9414	1.829	-2.39	-3.41			
6300						-.289		1.848		1.965	4.019	1.297	3.989	1.541	-2.99	-2.52			
8000						.6163		4.413		.3570	3.378	2.634	2.317	.1791	-4.07	-1.30			
10000						-4.99		6.057		.5272	3.263	1.517	3.165	-.835	-5.84	-5.19			

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=138 SPEED=7900

RADIAL DISTANCE 150

DATE: 2/[illegible]/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

[illegible]	[illegible]	10,0	[illegible]	[illegible]	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
[illegible]						78,92		80,77		81,67	84,15	84,79	85,07	87,14	91,15	95,77			139,1
[illegible]						80,09		81,22		82,77	85,29	86,35	87,06	88,70	92,56	97,03			140,5
[illegible]						80,24		82,10		84,32	86,17	87,14	88,20	89,70	92,98	96,49			140,8
[illegible]						79,63		83,26		84,66	86,85	88,01	89,26	91,32	93,86	96,67			141,6
[illegible]						90,59		90,28		86,62	93,09	92,49	91,77	93,17	92,99	95,39			142,8
[illegible]						83,51		83,93		84,35	87,41	87,07	87,42	88,09	89,37	90,24			138,8
[illegible]						78,21		78,22		80,24	82,27	82,09	82,71	83,02	85,03	84,17			133,8
[illegible]						79,29		77,51		78,93	82,39	84,03	83,55	85,05	87,99	87,01			138,5
[illegible]						82,52		81,94		84,51	85,65	86,79	88,47	95,24	93,14	90,15			139,9
[illegible]						87,06		86,27		88,35	88,79	90,72	91,50	92,60	93,27	92,79			142,5
[illegible]						85,06		91,49		89,26	91,13	90,49	91,82	93,04	93,47	92,09			143,3
[illegible]						83,04		86,09		84,64	86,71	86,45	87,45	89,23	87,91	86,99			138,9
[illegible]						89,83		89,94		86,39	89,73	87,99	88,21	89,55	90,57	88,07			141,3
[illegible]						88,37		89,68		90,58	88,64	88,38	89,48	91,83	90,59	88,92			142,1
[illegible]						92,46		97,99		95,23	93,41	92,47	90,64	92,99	93,44	88,05			146,5
[illegible]						86,11		91,39		90,79	90,38	88,38	89,34	90,32	87,95	87,18			142,2
2000						84,17		87,79		89,29	89,23	87,74	86,97	88,18	87,27	85,13			140,5
2500						84,86		84,55		85,63	86,71	84,65	86,05	85,21	82,50	81,95			138,0
3150						86,32		85,55		84,04	83,83	85,83	89,26	85,28	83,41	84,05			138,9
4000						88,89		89,25		88,46	89,14	90,89	90,39	88,79	85,97	86,51			142,6
5000						90,68		95,23		101,4	100,2	96,62	95,19	95,51	90,97	90,53			150,9
6300						87,19		88,56		90,77	92,12	89,79	91,19	89,49	84,88	85,14			143,9
8000						86,76		90,37		88,39	88,77	90,94	89,82	87,66	83,21	85,23			143,9
10000						85,39		92,82		91,39	92,13	92,08	93,49	91,32	84,74	85,98			147,7
PRESSURE CASPL						101,8		105,2		106,1	106,3	105,1	105,0	105,8	105,9	107,0			
CALCULATED VASPL						100,5		103,7		104,7	104,6	103,5	103,7	104,2	104,3	105,3			
[illegible]						113,4		116,6		119,6	119,4	117,5	117,2	117,4	114,9	110,8			

OAPWL: 157,0

AMBIENT TEMP.	32,00
WET-BULB TEMP.	30,00
BAR. PRESSURE	28,76
ABS. HUMIDITY	3,012

FAN MAN/[illegible] PRESS - - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] #13 [illegible] #130 SPEED#6100

D90

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

	10,0	20,0	30,0	40,0	52,0	60,0	72,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,	160,0	170,0 (PWL)
[illegible]					-6,83		-4,98		-4,08	-1,[illegible]	-,963	-,778	1,393	5,395	10,02		
[illegible]					-7,31		-5,88		-4,33	-1,81	-,758	-,843	1,598	5,451	9,919		
[illegible]					-7,33		-5,27		-3,05	-1,20	-,233	,8267	2,325	5,601	9,123		
[illegible]					-8,45		-4,83		-3,42	-1,23	-,074	1,180	3,235	5,779	8,583		
[illegible]					,2738		-,238		-1,69	2,778	2,177	1,451	2,855	2,678	5,072		
[illegible]					-1,69		-1,28		-,850	2,205	1,869	2,222	2,888	4,167	5,034		
[illegible]					-2,19		-1,98		,0429	2,071	1,982	2,515	2,824	4,836	3,968		
[illegible]					-2,47		-4,26		-2,84	,6209	2,268	1,788	3,287	6,218	5,241		
[illegible]					-3,62		-4,18		-1,60	-,472	,6336	2,353	4,126	7,025	4,029		
[illegible]					-1,58		-2,37		-,291	,1517	2,075	2,862	4,046	4,625	4,142		
[illegible]					-4,33		2,100		-,133	1,742	1,109	2,429	3,648	4,086	2,703		
[illegible]					-1,82		1,218		-,226	1,841	1,577	2,586	4,365	3,046	2,129		
[illegible]					2,643		2,746		-,799	2,541	,8848	1,818	2,355	3,374	,8762		
[illegible]					,4742		1,791		2,692	,7473	,4850	1,589	3,934	2,784	1,028		
[illegible]					,2844		5,819		3,056	1,233	,2957	-1,54	,8191	1,266	-4,12		
[illegible]					-1,65		3,635		3,037	2,621	,6179	1,583	2,562	,1099	-,576		
[illegible]					-1,77		1,859		3,360	3,383	1,887	1,838	2,251	1,341	-,799		
2500					1,598		1,289		2,373	3,448	1,380	2,793	1,982	-,756	-1,31		
3150					2,396		1,623		,1144	-,095	1,981	5,328	1,349	-,518	,9281		
4000					1,617		1,968		1,177	1,864	3,618	3,189	1,518	-1,31	-,769		
5000					-4,73		-,189		5,981	4,797	1,196	-,221	,8988	-4,45	-4,89		
6300					-,686		,6833		2,893	4,239	1,912	3,387	1,618	-2,99	-2,74		
8000					-,157		3,459		1,478	1,858	4,827	2,986	,7428	-3,69	-1,59		
10000					-4,03		3,392		1,959	2,783	2,657	4,062	1,894	-4,69	-3,45		

[illegible] 32,00
[illegible] 30,00
[illegible] PRESS [illegible] 25,76
[illegible] 3,912

[illegible] PRESS [illegible] PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

[illegible] SPEED=d100

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RADIAL DISTANCE 150

DATE: 3/13/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.	10.	20.	30.	40.	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.	160.0	170.0	(PWL)
5						79,72		81,41		81,91	84,21	85,28	85,92	88,47	92,19	96,94			140,0
6						80,69		81,57		83,61	85,13	85,99	87,13	89,75	93,19	97,78			141,1
8						80,81		82,43		84,09	85,25	86,88	88,57	90,31	93,29	97,25			141,2
10						79,71		82,66		84,58	86,05	87,48	88,73	90,73	93,57	96,62			141,2
125						81,11		83,79		88,09	92,86	93,50	94,68	92,47	93,73	95,98			142,8
16						80,05		82,09		86,09	90,82	91,44	92,58	89,73	90,82	90,72			141,4
20						77,71		77,85		80,28	81,25	82,24	82,72	83,43	85,19	85,31			133,9
25						79,83		75,86		81,11	80,65	80,39	82,32	85,80	88,49	87,92			138,4
315						83,59		81,43		85,11	85,85	86,17	88,41	90,83	93,42	91,01			140,2
40						89,47		90,19		93,44	90,48	90,94	93,83	93,54	95,56	93,10			144,5
50						86,12		88,04		88,58	89,38	90,87	92,25	93,50	93,61	92,92			142,8
63						88,54		86,03		85,64	86,01	86,97	88,09	89,98	88,48	88,13			139,7
80						87,89		87,74		86,17	87,33	87,66	87,45	89,98	90,36	87,55			140,6
100						88,17		90,17		88,29	87,67	89,34	90,08	91,88	90,52	89,87			141,9
125						92,46		92,56		91,94	88,23	89,69	91,26	90,98	90,33	89,81			142,5
160						86,95		89,29		89,44	88,47	88,42	89,55	90,02	88,75	87,64			141,5
200						84,57		89,31		88,93	88,23	87,88	87,12	88,34	86,83	85,74			140,6
250						84,42		86,26		86,53	86,26	83,93	86,54	85,48	84,42	83,22			138,4
315						85,83		85,67		84,27	83,77	86,19	89,61	85,62	84,94	85,78			139,2
400						88,42		89,67		90,32	89,21	90,92	90,94	88,79	86,93	87,20			143,8
500						89,88		97,26		102,7	103,9	98,56	97,89	96,09	92,13	89,44			153,1
630						86,46		90,11		93,88	95,40	91,39	92,89	91,17	86,51	86,09			146,2
800						86,39		90,09		88,31	89,37	92,76	89,59	87,43	83,75	85,85			144,4
1000						85,03		93,22		92,14	93,61	92,53	93,32	89,25	84,69	86,26			148,1
MEASURED DASPL						101,7		104,2		106,8	107,6	105,[illegible]	106,2	105,9	106,6	108,3			
CALCULATED DASPL						100,2		102,9		105,5	106,4	104,3	104,9	104,4	104,7	105,9			
PNDB						113,7		117,4		120,6	121,4	11[illegible]	118,8	117,7	115,8	114,8			

QAPWL: 157,9

AMBIENT TEMP. 32,0°
WET-BULB TEMP. 30,0°
BAR. PRESSURE 29,75
ABS. HUMIDITY 3,912

FAA FA /COMPRESS [illegible] - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RU =13 [illegible] SPEED=83[illegible]

D92

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	17,0	34,0	51,0	68,0	85,0	102,0	119,0	136,0	153,0	170,0 (PWL)
50			-7,43	-5,33	-4,83	-2,53	-1,45	,815	1,734	5,452	10,19
63			-6,99	-6,12	-4,68	-2,56	-1,69	-,564	2,662	5,902	10,09
80			-6,95	-5,34	-3,67	-2,52	-,886	,8023	2,547	5,526	9,483
100			-6,49	-5,12	-3,17	-1,71	-,282	,9719	2,966	5,51?	8,896
125			-9,19	-6,51	-2,22	2,553	3,199	4,299	2,165	3,42?	9,275
160			-7,73	-5,08	-1,69	3,037	3,675	4,881	1,953	3,043	2,944
200			-2,37	-2,44	-,806	,9596	1,949	2,433	3,141	4,922	5,822
250			-1,82	-5,83	-,549	-1,01	-1,27	,6656	4,146	6,833	6,264
315			-2,83	-4,99	-1,31	-,569	-,253	1,988	4,409	6,996	4,593
400			-1,23	-,924	2,745	-,212	,2441	3,139	2,845	4,668	2,408
500			-3,01	-1,08	-,539	,2951	1,744	3,125	4,377	4,487	3,794
630			2,821	,2843	-,186	,2704	1,231	2,352	4,233	2,738	2,392
800			1,424	1,262	-,309	,8591	1,179	2,969	3,527	3,86?	1,869
1000			,3825	2,331	,5213	-,117	1,961	2,292	4,398	2,739	2,218
1250			3,823	3,423	2,785	-,921	,5381	2,100	1,745	1,169	-,146
1600			-,887	2,248	2,488	1,439	1,386	2,918	2,984	1,717	,6888
2000			-1,43	3,322	2,939	2,238	1,886	1,131	2,346	,8415	-,252
2500			,7276	2,868	2,839	2,566	,2375	2,845	1,787	,7276	-,467
3150			1,586	1,455	,8508	-,451	1,976	3,393	1,397	,7218	1,566
4000			,7824	1,954	2,602	1,491	3,282	3,221	1,869	-,756	-,519
5000			-7,73	-,352	5,243	6,349	,9453	,2636	-1,52	-3,46	-3,17
6300			-3,65	,808	3,766	5,284	1,276	2,774	1,392	-3,61	-4,42
8000			-,951	1,747	,9569	2,618	3,411	2,236	,8884	-3,59	-1,49
10000			-4,75	3,406	2,388	3,858	2,777	3,567	-,498	-5,87	-3,49

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INLET TEMP. 32,88
DISCHARGE TEMP. 38,87
INLET PRESSURE 25,74
HUMIDITY 3,812

FAN 4A /COMPRESSOR = PHASE 3B + 3C 1QUS + DES OPEN T/D 2/17/7?

SCO=13 SCO=14 SPECIMEN

RADIAL DISTANCE 150

DATE: / /77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM I LET .2	17.2	2 ..	32.(	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50						79,29	80,96	81,99	84,18	85,95	86,14	88,89	91,79	96,79					139,9
63						82,49	81,57	83,12	85,12	85,83	86,94	88,91	93,88	97,86					140,9
80						84,64	82,35	84,13	85,98	86,51	87,69	89,78	93,95	97,92					141,2
100						86,11	83,13	84,72	86,75	87,46	88,91	91,88	93,97	97,96					141,8
125						84,85	83,63	85,45	88,37	89,41	90,11	90,42	92,48	95,43					141,3
167						81,43	83,13	84,93	89,89	90,48	90,95	89,86	90,86	90,75					140,9
200						77,97	78,51	80,31	81,45	81,22	82,25	82,65	84,88	84,97					133,4
250						76,39	77,79	79,48	81,49	82,31	84,84	87,14	88,69	88,11					136,2
315						74,77	82,89	84,99	87,29	88,84	90,16	92,00	93,65	91,76					141,2
400						85,11	86,13	90,77	90,95	91,94	93,82	93,97	93,89	94,95					148,9
500						85,22	87,25	88,95	90,85	90,49	91,83	92,91	93,63	93,34					148,9
630						88,84	86,47	88,41	86,43	86,47	87,95	89,47	88,59	89,06					146,1
800						90,21	90,34	89,63	90,87	90,53	92,88	91,26	90,94	88,35					142,8
1000						85,89	88,51	89,89	89,78	88,95	90,86	91,48	90,19	90,72					141,9
1250						87,97	88,95	89,88	89,88	88,76	90,22	91,19	89,71	88,81					141,8
1600						84,74	87,39	88,93	89,42	88,91	90,38	90,97	88,31	88,64					141,5
2000						84,87	87,05	88,84	88,97	87,86	87,37	89,11	86,83	86,61					140,4
2500						83,69	83,84	86,84	86,93	85,64	86,97	86,88	83,31	83,39					138,4
3150						86,24	86,22	84,79	85,82	86,74	90,15	85,95	84,16	86,44					139,6
4000						88,87	88,97	89,29	90,19	92,87	90,99	88,85	86,47	87,54					148,1
5000						92,99	97,05	104,8	106,4	108,3	97,65	96,67	90,79	89,71					154,9
6300						87,99	91,32	97,69	99,44	94,15	94,57	92,92	86,97	87,82					149,2
8000						85,86	90,32	88,94	89,42	91,77	89,73	87,63	83,83	85,58					144,2
10000						84,96	94,84	92,88	94,88	92,47	92,46	88,81	83,99	85,16					148,2
MEASURED DASPL						121,4	123,8	127,5	129,6	126,4	126,3	126,1	126,2	127,8					
CALCULATED DASPL						99,86	102,5	106,9	108,4	104,9	104,8	104,5	104,4	106,3					
PNDB						114,1	116,9	121,9	123,3	119,7	118,8	118,1	118,1	119,2					
																		DAPWL1	158,7

AMBIENT TEMP, 32,20
WET-BULB TEMP, 30,20
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

FAA 36A /OUTPRESS: - PHASE 5B + 2C IGVS 9 DEG OPEN T/D 2/17/78

RW =15 RW=14: SPEED=8560

D94

RADIAL DISTANCE 150

DATE [illegible]/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-7.29	-5.61			-4.59	-2.39	-1.03	-.435	1.514	5.226	10.22		
63						-7.09	-6.21			-4.46	-2.47	-1.75	-.648	1.330	5.501	10.28		
80						-7.14	-5.43			-3.65	-2.19	-1.26	-.089	1.926	5.779	9.739		
100						-8.19	-5.17			-3.59	-1.55	-.841	.0019	2.774	5.667	9.253		
125						-6.94	-4.17			-2.36	.5749	1.607	2.306	2.623	4.877	7.63[illegible]		
160						-5.45	-3.76			-1.95	2.207	3.590	4.066	2.174	3.970	3.859		
200						-1.99	-1.46			.3345	1.482	1.252	2.278	2.679	4.906	5.083		
250						-2.26	-4.45			-2.97	-.954	-.139	2.387	4.691	6.250	5.665		
315						-2.66	-4.55			-2.45	-.151	.6216	2.724	4.565	6.419	4.324		
400						-4.95	-3.93			.7059	.8919	1.882	3.756	3.504	3.829	4.892		
500						-3.77	-1.73			-.036	1.064	1.505	2.847	3.927	4.644	4.359		
630						1.973	.3663			2.305	.3320	.3644	1.843	3.366	2.493	3.753		
800						1.531	1.656			.9482	1.392	1.846	3.399	2.577	2.254	-.328		
1000						-1.84	.8174			1.392	2.087	1.251	2.365	3.779	2.503	3.026		
1250						.4426	1.428			1.496	1.492	1.237	2.697	3.659	2.186	1.282		
1600						-2.27	.5770			1.919	2.406	1.503	3.343	3.561	1.298	1.629		
2000						-1.74	1.240			2.234	3.158	2.054	1.758	3.295	1.018	.7956		
2500						-.053	.1864			2.379	3.278	1.980	3.317	2.421	-.345	-.259		
3150						1.626	.6094			.1345	.4090	2.130	5.538	1.344	-.454	1.832		
4000						.2424	1.145			1.466	2.365	4.243	3.162	1.020	-1.36	-.291		
5000						-6.42	-2.37			5.336	6.982	.8807	-1.77	-2.74	-8.62	-9.71		
6300						-5.14	-1.81			4.567	6.310	1.014	1.442	-.212	-6.16	-4.11		
8000						-1.34	3.118			1.738	2.217	4.571	2.526	.4278	-3.67	-1.62		
10000						-4.97	4.108			2.947	4.141	2.535	2.525	-1.13	-6.38	-4.78		

AMBIENT TEMP. 32.00
WET-BULB TEMP. 32.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RU =13 RDG=14[illegible] SPEED=8540

RADIAL DISTANCE 150

DATE: 3/02/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						79.14		88.99		81.98	84.89	85.48	86.89	88.85	91.79	96.75			139.8
63						80.34		81.51		83.85	84.94	85.69	86.78	88.82	93.82	97.75			140.8
80						80.63		82.29		83.98	85.52	86.44	87.48	89.84	93.94	97.45			141.1
100						79.96		83.28		89.89	86.56	87.36	88.88	90.97	93.92	97.46			141.7
125						80.82		83.61		89.47	86.21	89.33	90.88	90.34	92.69	95.36			141.3
160						81.44		83.28		89.86	88.98	90.49	90.95	89.81	90.79	90.07			140.9
200						76.06		78.83		80.32	81.32	81.89	82.17	82.66	84.81	84.91			133.6
250						60.43		78.86		79.32	81.41	82.48	84.81	87.87	88.64	88.86			134.1
315						84.81		83.83		88.88	87.24	88.88	90.36	91.96	90.88	91.78			141.8
400						85.03		86.88		90.84	90.82	91.89	93.77	93.89	93.85	94.88			143.8
500						85.28		87.25		89.81	90.88	90.49	91.84	92.36	93.61	93.38			142.9
630						86.88		86.35		88.47	86.34	86.37	87.86	89.37	88.48	89.71			140.8
800						90.21		90.27		89.78	89.89	88.49	88.83	91.81	90.81	89.29			140.1
1000						88.84		88.44		89.86	89.77	88.35	90.85	91.33	90.19	90.66			141.9
1250						86.86		86.88		86.99	87.82	88.78	90.26	91.14	89.74	88.74			139.8
1600						84.79		87.51		88.79	89.44	88.51	90.31	90.93	88.32	89.87			141.4
2000						84.89		86.91		88.22	88.97	87.83	87.91	89.83	86.23	86.56			140.4
2500						83.55		82.69		86.84	86.96	85.98	86.96	86.81	83.89	82.82			138.4
3150						86.29		88.38		84.78	85.12	84.41	85.18	86.91	84.46	84.26			139.6
4000						88.87		88.66		89.34	90.25	90.89	91.88	86.77	86.89	87.87			140.1
5000						93.81		96.92		104.9	106.4	108.3	97.61	96.66	98.88	99.84			154.9
6300						87.94		91.22		97.77	99.46	94.28	94.89	95.92	87.89	87.87			149.3
8000						86.84		90.22		88.76	89.64	91.85	89.79	87.84	86.77	88.74			144.3
10000						84.97		93.97		92.72	94.12	92.51	92.47	88.79	83.76	88.37			148.2
MEASURED OASPL						101.6		103.9		108.8	109.6	106.4	106.3	106.2	104.3	106.0			
CALCULATED OASPL						99.87		108.4		106.9	108.3	104.9	104.8	104.9	104.4	104.2			
PNDB						114.1		116.9		111.9	113.3	110.9	110.8	110.1	110.1	110.2			
																		OAPWL:	158.7

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.80
BAR. PRESSURE 29.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR + PHASE 3P + 5C IGVS 8 DEG OPEN F/D 2/17/70

RUN=13 AOG=142 SPEED=6500

RADIAL DISTANCE 152

DATE: 3/02/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-7.39		-5.54		-4.55	-2.45	-1.06	-.442	1.511	5.259	10.22		
63						-7.13		-5.97		-4.42	-2.54	-1.79	-.701	1.342	5.542	10.28		
80						-7.29		-5.43		-3.82	-2.20	-1.26	-.042	1.917	5.819	9.727		
100						-8.24		-5.03		-3.14	-1.68	-.875	.6127	2.732	5.683	9.226		
125						-6.93		-4.14		-2.28	.4689	1.585	2.337	2.591	4.946	7.614		
160						-5.42		-3.66		-1.88	2.123	3.632	4.091	2.148	3.937	3.883		
200						-1.87		-1.10		.3784	1.383	1.159	2.249	2.718	4.868	4.975		
250						-1.98		-4.35		-3.09	-1.00	.0647	2.393	4.654	6.238	5.646		
315						-2.63		-4.41		-2.36	-.197	.5912	2.798	4.525	6.407	4.288		
400						-4.96		-3.91		.6524	.8336	1.989	3.783	3.518	3.834	4.890		
500						-3.69		-1.72		.0381	1.026	1.517	2.863	3.908	4.633	4.328		
630						1.978		.3204		2.443	.3098	.3422	1.852	3.341	2.453	3.687		
800						1.557		1.616		1.053	1.341	1.849	3.383	2.562	2.271	-.382		
1000						-1.83		.7734		1.359	2.132	1.265	2.386	3.767	2.527	2.989		
1250						.5650		1.349		1.472	1.589	1.268	2.689	3.627	2.222	1.244		
1600						-2.18		.5862		1.825	2.462	1.534	3.339	3.559	1.347	1.593		
2000						-1.71		1.105		2.412	3.166	2.027	1.710	3.229	1.098	.7526		
2500						-.296		.0433		2.392	3.313	1.997	3.389	2.361	-.050	-.184		
3150						1.704		.4591		.2780	.5818	2.016	5.086	1.316	-.134	1.787		
4000						.2408		1.031		1.506	2.419	4.262	3.169	.9329	-1.26	-.364		
5000						-6.42		-2.51		5.439	6.934	.8793	-1.81	-2.77	-8.62	-9.79		
6300						-5.22		-1.94		4.686	6.299	1.043	1.439	-.288	-6.87	-6.89		
8000						-1.23		3.043		1.485	2.369	4.575	2.516	.5648	-3.50	-1.53		
10000						-4.74		4.058		2.801	4.204	2.598	2.553	-1.12	-6.16	-4.54		

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/L 2/17/70

RUN=13 RDG=142 SPEED=8500

RADIAL DISTANCE 150

DATE: 5/02/78 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						78.74	88.48	82.12	83.88	84.38	85.29	87.68	91.81	96.68					130.7
63						79.84	88.91	83.89	84.57	85.61	86.56	88.99	92.98	97.67					148.7
80						79.74	81.55	84.26	85.69	8(	87.96	89.88	93.22	96.78					148.9
100						78.74	82.91	85.32	86.36	87.71	88.81	91.05	93.93	97.14					141.6
125						82.49	83.17	86.13	93.82	98.68	93.76	92.88	92.81	98.44					148.4
160						79.68	80.86	85.86	90.48	98.13	91.28	89.89	89.96	98.14					148.5
200						77.27	77.21	80.89	81.59	81.23	81.85	82.92	84.35	84.64					133.3
250						81.08	77.08	81.85	81.84	82.89	83.69	86.49	81.28	87.91					135.8
315						83.82	82.28	88.76	86.34	87.52	89.48	91.88	93.89	91.88					148.7
400						91.36	90.29	91.21	90.84	91.52	94.92	93.45	95.66	98.89					144.9
500						84.97	87.37	88.14	89.59	90.55	91.93	93.39	93.46	92.46					142.8
630						88.78	84.89	85.99	86.91	86.98	87.26	89.51	87.94	88.31					130.9
800						88.67	84.78	86.75	86.91	86.23	89.69	90.79	90.32	87.49					141.8
1000						87.38	88.83	88.43	88.38	86.82	90.84	91.38	90.23	90.85					141.7
1250						91.48	93.87	93.86	88.62	89.43	91.12	90.88	90.33	88.88					144.1
1600						86.46	87.02	89.23	88.87	88.41	89.68	89.79	88.32	87.92					141.1
2000						84.32	88.63	89.74	88.93	87.93	87.63	88.78	89.41	88.93					140.8
2500						82.11	85.83	86.84	86.48	89.37	86.71	88.98	83.28	83.33					138.3
3150						85.31	86.48	84.48	84.88	86.94	90.89	88.68	84.86	88.58					139.3
4000						88.21	88.96	90.89	90.22	91.68	91.59	88.61	86.44	86.99					148.2
5000						90.28	94.91	103.8	104.9	101.1	97.85	93.92	91.16	89.29					151.7
6300						86.18	85.97	93.89	93.59	92.49	93.87	90.88	88.93	88.89					146.3
8000						84.87	88.88	88.86	89.4(	93.12	89.78	87.22	83.58	85.84					144.9
10000						84.27	98.42	91.79	92.69	92.74	93.86	89.23	84.23	85.77					147.6
MEASURED OASPL						101.9	103.5	107.2	108.5	106.7	106.3	105.9	106.3	107.5					
CALCULATED OASPL						100.1	102.1	105.7	107.8	105.2	104.8	104.3	104.5	105.8					
PNDB						121.9	119.9	120.8	122.1	120.8	118.6	117.4	119.2	114.6					

OAPWL: 158.8

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 9B + 9C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=143 SPEED=8308

D98

RADIAL DISTANCE 15[illegible]

DATE: 3/02/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-7.60		-5.86		-4.23	-2.46	-1.76	-1.05	1.332	5.464	10.34			
63						-7.55		-6.48		-4.29	-2.82	-1.78	-.833	1.606	5.574	10.28			
80						-7.73		-5.92		-3.21	-1.78	-.522	.4937	2.417	5.756	9.313			
100						-9.38		-5.21		-3.81	-1.56	-.717	.6895	2.924	5.809	9.[illegible]			
125						-9.39		-6.71		-1.75	3.136	2.752	3.884	2.283	3.330	5.599			
160						-7.24		-4.06		-1.06	3.559	3.211	4.362	2.131	3.846	3.229			
200						-2.[illegible]		-2.47		.4124	1.911	1.549	2.169	2.936	4.673	4.962			
250						-1.02		-5.02		-1.04	-1.06	-.887	1.598	4.399	6.175	5.813			
315						-3.06		-4.59		-1.12	-.585	.6421	2.572	4.201	6.7[illegible]	4.183			
400						.6887		-.379		.5396	.1661	.8588	3.851	2.782	4.993	1.377			
500						-3.87		-1.47		-.504	.7465	1.709	3.591	4.411	4.615	3.622			
630						3.2[illegible]		-.638		.4512	.9798	1.369	1.722	3.979	2.489	2.778			
800						1.758		-.211		1.839	-.000	1.313	2.732	3.879	3.[illegible]	.7834			
1000						-.094		1.362		.9543	.9109	1.351	2.565	3.374	2.753	2.581			
1250						1.697		4.891		4.076	-1.17	-.349	1.343	2.242	.7529	-.799			
1600						-.217		.3458		2.553	2.196	1.736	2.756	[illegible].112	1.644	.8445			
2000						-1.92		2.398		3.506	2.699	1.781	1.395	2.543	.3864	-.308			
2500						-1.39		1.527		2.537	2.973	1.866	3.283	2.449	-.228	-.172			
3100						.9613		1.189		.0788	[illegible].801	2.1[illegible]	3.74[illegible]	1.302	-.202	1.288			
4000						.2679		1.018		2.317	2.279	3.683	3.655	.6776	-1.49	-.9[illegible]			
5000						-7.92		-3.29		4.339	[illegible]	2.386	-.936	-2.68	-7.84	-3.92			
6300						-4.02		-1.23		3.605	5.204	2.289	2.868	.5988	-4.27	-4.32			
8000						-1.43		2.581		1.305	[illegible].[illegible]61	5.610	2.197	-.283	-3.99	-1.86			
10000						-5.05		3.089		2.469	3.358	3.416	3.735	-.183	-5.10	-3.56			

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=143 SPEED=8300

D99

RADIAL DISTANCE 150

DATE: 3/02/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.2	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						78,74		80,48		81,89	83,71	84,84	85,24	87,24	90,75	95,32			136,8
63						80,59		81,19		82,97	84,57	85,56	86,56	88,68	92,27	96,77			140,2
80						79,99		81,89		84,08	85,52	86,67	87,92	89,68	93,89	96,71			140,8
100						79,52		82,78		85,06	86,46	87,47	88,94	90,74	93,41	96,49			141,2
125						87,84		86,88		90,43	94,43	94,19	94,36	93,91	92,79	94,93			144,9
160						81,61		81,96		85,44	87,87	87,82	88,39	88,27	88,89	89,49			138,9
200						77,74		77,94		81,86	81,68	81,36	82,86	82,77	84,44	84,42			133,6
250						76,12		77,08		79,32	80,84	82,74	83,88	85,67	89,14	87,33			135,6
315						80,45		81,26		83,39	84,83	84,84	86,86	90,66	93,48	90,42			140,8
400						85,39		86,83		87,94	88,68	90,19	91,81	92,92	93,91	93,88			142,9
500						84,97		89,99		91,92	91,91	90,73	91,43	92,96	93,25	91,68			143,3
630						82,59		85,48		87,12	86,46	85,98	86,58	88,86	87,63	86,12			138,7
800						90,32		92,35		94,47	90,53	89,82	89,72	89,39	91,32	89,19			142,4
1000						88,36		88,44		91,18	88,78	87,91	89,12	91,88	90,49	88,88			141,9
1250						95,41		97,49		95,43	93,88	91,14	91,62	93,83	92,67	88,68			144,3
1600						87,92		90,99		90,75	89,83	88,84	89,21	90,34	88,12	86,71			142,1
2000						85,77		88,94		89,64	89,87	87,66	87,16	88,39	86,99	85,49			140,8
2500						84,95		86,92		86,28	86,79	84,88	86,82	89,28	82,67	81,71			138,5
3150						85,66		86,16		84,91	83,87	85,97	86,17	88,31	83,54	84,76			139,1
4000						89,79		89,98		89,72	89,29	91,87	90,21	88,88	86,49	86,38			142,9
5000						96,89		97,98		100,8	101,3	98,19	95,58	97,33	98,73	98,39			151,7
6300						87,65		89,49		91,24	92,71	90,27	91,23	89,86	85,63	85,21			144,4
8000						87,86		90,69		88,65	89,68	91,54	89,81	87,68	83,69	84,98			144,3
10000						89,16		93,32		92,88	92,93	92,13	93,25	90,39	85,17	85,77			148,1
MEASURED OASPL						108,3		105,5		106,3	106,9	105,5	105,4	106,2	106,1	107,1			
CALCULATED OASPL						108,8		104,1		104,8	105,2	103,9	103,9	104,5	104,4	105,2			
PNDB						114,1		110,8		110,6	120,3	110,3	117,4	110,2	110,8	110,7			

OAPWL: 137,9

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=144 SPEED=8188

D10D

RADIAL DISTANCE 156

DATE: 3/02/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						-6,73	-4,99	-3,59	-1,76	-,631	-,212	1,767	5,269	9,844					
63						-6,23	-5,62	-3,85	-2,25	-1,26	-,263	1,865	5,449	9,948					
80						-7,36	-5,46	-3,28	-1,83	-,685	,5628	2,319	5,732	9,349					
100						-8,23	-4,98	-2,69	-1,29	-,286	1,218	2,984	5,656	8,733					
125						-9,16	-4,11	-,564	3,432	3,193	3,398	2,916	1,881	3,933					
160						-3,69	-3,33	,1394	2,579	2,522	3,097	2,976	3,593	4,191					
200						-2,16	-1,95	1,159	1,779	1,459	2,163	2,875	4,546	4,526					
250						-3,76	-4,81	-2,57	-1,84	,8918	1,917	3,767	7,254	5,465					
315						-4,19	-4,98	-2,85	-1,41	,5998	2,614	4,488	7,178	4,382					
400						-2,25	-2,61	-1,11	,8369	1,946	3,189	4,277	4,869	4,598					
500						-4,44	,5708	2,983	1,688	1,313	2,819	3,941	3,833	2,270					
630						-2,12	,7748	2,416	1,757	1,196	1,879	4,153	2,924	1,489					
800						2,842	4,877	-1,81	2,255	,7477	1,439	1,118	3,945	,9189					
1000						,6854	,7888	3,381	1,842	,1484	1,381	3,989	2,737	1,139					
1250						1,396	5,476	3,414	1,863	-,875	-,396	1,821	,6954	-3,41					
1600						-,184	3,373	3,134	2,287	,4199	1,592	2,716	,9883	-,913					
2000						-,475	2,699	3,482	2,826	1,422	,9228	2,146	,7552	-,751					
2500						,9787	2,458	2,789	3,221	1,314	2,498	1,713	-,894	-1,85					
3150						2,922	2,828	,7788	-,868	1,838	5,838	1,177	-,999	,6282					
4000						2,126	2,305	2,848	1,613	3,307	2,539	1,886	-1,18	-1,89					
5000						-4,36	1,735	4,544	5,899	1,949	-,665	1,879	-3,52	-5,86					
6300						-,895	1,148	2,897	4,356	1,986	2,879	1,516	-2,72	-3,14					
8000						,2932	3,427	1,389	2,421	1,278	2,242	,1861	-3,38	-2,29					
10000						-3,68	3,536	3,823	3,146	2,351	3,468	,6184	-4,64	-4,01					

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=144 SPEED=8100

RADIAL DISTANCE 150

DATE: 3/23/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						77,98	79,85	80,99	83,19	84,12	84,62	86,81	90,08	94,63					138,1
63						79,42	80,39	81,92	83,93	84,89	86,86	87,52	91,86	95,82					139,2
80						79,01	81,00	82,96	84,78	85,38	86,89	88,56	91,72	95,43					139,6
100						78,54	82,09	84,15	85,71	86,65	88,12	89,88	92,39	95,42					140,3
125						80,98	91,65	85,98	86,95	87,89	88,75	88,95	91,82	94,87					141,2
160						80,33	82,62	82,28	83,98	83,82	85,13	85,59	87,96	89,18					135,5
200						77,89	77,56	79,23	80,66	80,51	81,31	81,59	83,73	83,89					132,5
250						80,32	76,22	76,71	80,25	80,74	82,89	84,47	85,44	35,26					133,8
315						81,25	79,83	82,99	84,38	86,11	87,83	89,17	91,37	88,88					138,4
400						83,85	85,85	86,33	88,71	89,13	90,96	91,32	91,88	90,48					141,1
500						83,31	87,37	86,33	89,17	89,15	90,89	91,76	92,31	90,37					141,6
630						81,84	83,98	83,27	84,88	85,17	85,93	86,88	87,89	86,25					137,5
800						87,87	88,11	85,66	86,89	88,89	86,98	88,22	88,57	84,64					139,4
1000						86,86	89,31	88,24	88,96	87,49	88,17	89,83	89,86	87,98					140,7
1250						90,89	90,50	97,89	98,69	98,12	98,23	92,16	92,81	88,88					146,9
1600						88,97	91,89	98,21	98,48	88,88	89,26	89,96	84,28	86,19					140,6
2000						88,95	92,79	98,16	89,27	87,78	87,25	88,97	87,87	84,82					141,9
2500						84,14	85,88	85,83	89,98	84,89	85,32	84,31	81,84	81,18					137,7
3150						87,37	87,98	83,92	83,89	85,59	88,67	84,66	82,68	84,66					139,8
4000						90,56	90,95	89,29	89,88	90,84	89,99	87,88	88,35	86,59					143,1
5000						94,89	97,83	99,25	99,84	99,97	98,94	98,89	98,12	92,34					151,2
6300						87,54	89,28	89,79	91,55	89,12	90,75	88,92	84,54	85,14					143,6
8000						87,65	91,26	87,33	90,81	89,94	89,14	87,61	83,83	88,88					143,9
10000						84,96	90,47	92,37	93,66	92,87	94,12	90,95	88,49	84,61					149,9
MEASURED OASPL						108,7	106,1	105,5	105,8	105,1	104,8	104,9	104,9	104,8					
CALCULATED OASPL						101,2	100,2	104,1	103,6	103,4	103,4	103,2	104,3						
PNDB						119,1	116,3	118,3	118,4	118,6	117,8	117,2	118,3	114,9					

OAPWL: 157.1

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=145 SPEED=7630

D104

RADIAL DISTANCE 150

DATE: 3/23/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7.2	10.0	20.0	30.0	40.0	50.0	60.2	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-6,85		-4,96		-3,81	-1,62	-,693	-,183	1,999	5,193	9,827			
63						-6,46		-5,46		-3,94	-1,93	-,978	,1968	1,681	5,281	9,554			
80						-7,14		-5,15		-3,19	-1,38	-,773	,7377	2,426	5,569	9,271			
100						-8,27		-4,71		-2,66	-1,09	-,161	1,312	3,869	5,588	8,613			
125						1,269		3,944		-1,73	-,758	-,696	1,837	1,242	3,389	6,357			
160						-2,62		-,531		-,474	,6294	,8729	2,182	2,636	5,011	6,149			
200						-1,79		-1,34		,3348	1,763	1,613	2,417	2,786	4,832	4,283			
252						,2242		-3,88		-1,39	,1478	,6359	1,994	4,368	5,339	5,165			
315						-3,57		-4,99		-1,83	-,439	1,288	3,811	4,343	6,949	3,677			
400						-3,44		-2,24		-,959	1,482	1,841	3,672	4,832	4,561	3,113			
500						-4,38		-,298		-1,34	1,581	1,482	3,233	4,894	4,646	2,986			
630						-1,66		,4820		-,231	1,382	1,674	2,436	4,583	3,991	2,757			
800						2,912		2,754		-1,69	-,468	3,535	1,620	2,864	3,211	-,718			
1000						,2985		2,751		1,681	1,583	,9332	1,689	3,274	2,985	1,345			
1250						1,929		5,947		5,336	-1,87	-2,44	-2,35	-,483	-,991	-4,48			
1600						,8817		3,485		4,844	2,238	-,149	1,896	1,798	,8881	-1,98			
2000						-,355		3,489		2,839	1,968	,4356	-,857	1,363	-,236	-2,66			
2500						1,196		3,864		2,894	2,964	1,155	2,388	1,371	-1,18	-1,76			
3150						3,331		3,543		-,119	-,193	1,998	4,432	,4239	-1,43	,8194			
4000						2,792		3,176		1,515	2,118	3,071	2,217	,1186	-2,22	-1,18			
5000						-1,62		2,118		3,537	3,325	3,856	1,231	,5685	-2,59	-3,37			
6300						,8777		1,738		2,333	4,887	1,496	3,282	1,487	-2,92	-2,33			
8000						,8857		4,397		,3669	3,848	2,981	2,178	,6918	-3,94	-1,16			
10000						-4,67		6,842		,7479	2,833	1,238	2,496	-,679	-5,94	-5,82			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

FAA FAN/COMPRESSOR - PHASE 5B + 5C !0VS 9 DEG OPEN T/D 2/17/72

RUN=13 RDG=145 SPEED=7900

D103

RADIAL DISTANCE 150

DATE: 3/04/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						76.91		78.37		80.06	81.85	82.19	82.81	84.98	88.49	93.19			136.6
63						78.82		79.56		81.11	83.04	83.75	84.42	86.28	89.65	94.03			137.8
80						77.66		79.22		81.10	83.26	83.93	85.88	86.76	89.48	92.91			137.5
100						76.55		79.94		81.58	83.39	84.41	85.58	87.59	89.83	92.69			137.8
125						84.25		84.17		81.95	83.78	88.21	87.89	90.74	89.53	91.31			139.2
160						76.01		77.56		80.16	81.36	81.72	82.58	83.62	85.56	88.74			138.9
200						74.64		76.87		77.81	77.57	77.94	78.99	79.67	81.38	81.26			138.3
250						74.91		74.62		76.01	78.38	77.99	79.93	81.58	84.27	84.51			131.8
315						79.36		78.63		81.29	83.46	83.76	86.13	87.42	89.86	87.96			137.1
400						82.51		82.99		84.87	87.32	87.57	89.14	89.92	93.63	90.27			139.3
500						80.96		83.47		84.34	86.18	87.04	88.54	89.97	90.28	89.55			139.4
630						77.57		80.46		80.58	81.34	82.65	83.37	85.57	84.32	83.19			134.6
800						82.40		85.02		82.71	87.00	88.24	87.46	87.51	87.18	84.51			138.5
1000						85.56		85.79		85.68	85.57	86.65	85.96	88.49	87.75	86.50			138.8
1250						94.43		97.32		93.29	90.32	91.55	86.72	91.43	87.46	88.21			145.2
1600						87.56		90.62		91.57	90.32	88.90	88.16	89.17	86.67	85.26			142.3
2000						86.36		93.53		92.95	90.46	86.82	85.64	87.74	85.55	83.18			142.6
2500						83.68		86.58		85.60	84.45	82.89	84.62	84.06	80.86	79.94			137.2
3150						87.59		88.88		84.53	83.33	85.28	87.94	84.65	81.99	83.83			139.1
4000						90.08		91.23		90.42	89.07	90.63	90.30	88.79	85.22	85.95			143.2
5000						95.38		99.19		100.8	99.22	99.89	98.16	97.61	95.64	92.80			152.1
6300						88.02		88.74		89.77	90.79	88.78	89.94	88.21	83.45	84.60			143.1
8000						87.81		90.81		87.79	88.79	89.63	89.16	87.24	83.37	85.38			143.7
10000						87.87		95.02		92.76	93.64	94.87	93.86	92.17	85.64	86.42			149.2
MEASURED OASPL						102.4		105.7		105.4	104.6	104.6	104.2	104.6	103.8	104.4			
CALCULATED OASPL						100.9		104.4		103.9	103.1	103.2	102.9	103.1	102.1	102.8			
PNDB						115.2		118.5		118.9	118.8	118.8	117.7	117.5	115.6	118.5			

OAPWL: 156.7

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.00
BAR, PRESSURE 28.76
ABS, HUMIDITY 3.912

RUN=13 RDG=146 SPEED=7700

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7.2	17.2	24.0	32.0	40.2	52.7	62.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.2	160.0	170.0	(PWL)
52						-6,37		-4,91		-3,23	-1,44	-1,09	-,474	1,698	5,213	9,984			
63						-5,57		-4,83		-3,29	-1,36	-,648	,8237	1,887	5,284	9,638			
80						-6,39		-4,83		-2,94	-,789	-,113	1,033	2,709	5,383	8,866			
100						-7,75		-4,36		-2,71	-,896	,1185	1,289	3,294	5,533	8,393			
125						-1,39		-1,46		-3,69	-1,86	2,567	2,288	5,111	3,884	5,665			
160						-4,29		-2,74		-,138	1,058	1,423	2,275	3,321	3,263	5,434			
200						-2,03		-1,79		,3511	1,984	1,273	2,329	3,085	4,714	4,597			
252						-3,16		-3,45		-2,86	,3064	-,879	1,859	3,511	4,203	6,439			
315						-3,94		-4,67		-2,82	,1533	,4598	2,823	4,116	6,559	4,652			
400						-3,42		-2,93		-1,86	1,389	1,639	3,213	3,989	4,788	4,344			
500						-4,49		-1,98		-1,12	,9296	1,598	3,889	4,914	4,889	4,899			
630						-3,86		-,181		-,861	,7863	2,814	2,734	4,928	3,687	2,549			
800						-2,20		,6129		-1,78	2,565	3,831	3,848	3,183	2,725	,8985			
1000						,9378		1,180		1,063	,9475	2,836	1,344	3,876	3,128	1,885			
1250						3,904		6,393		2,358	-,989	,8217	-4,21	,4966	-1,47	-2,73			
1600						-,897		4,771		3,726	8,462	,1498	,3863	1,313	-1,19	-2,39			
2000						-1,59		5,974		4,993	2,566	-1,14	-2,31	-,216	-2,41	-4,77			
2500						1,193		4,899		3,197	1,962	,4885	2,137	1,975	-1,63	-2,54			
3150						3,415		4,789		,3566	-,845	1,874	3,768	,4782	-2,19	-,344			
4000						2,221		3,363		2,556	1,282	2,766	2,487	,9886	-2,64	-1,91			
5002						-1,19		2,689		4,288	2,637	2,915	1,973	1,031	-1,14	-3,78			
6302						1,822		1,742		2,766	3,797	1,783	2,948	1,211	-3,55	-2,48			
8002						1,169		4,169		1,144	2,148	2,988	2,515	,3958	-3,48	-1,27			
10002						-3,08		4,153		1,892	2,769	3,194	2,992	1,298	-3,83	-4,45			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 32,02
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

RUN=13 RDG=146 SPEED=7700

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						76.17		77.62		78.74	80.51	80.81	81.94	84.29	87.23	91.44			135.2
63						78.88		78.65		80.38	81.76	82.34	82.96	85.16	88.27	92.28			136.3
80						76.32		77.68		80.11	81.54	82.31	83.53	84.86	87.58	91.21			135.8
100						76.17		78.86		80.88	82.18	82.85	84.13	85.88	88.19	91.37			136.3
125						77.46		77.51		80.95	81.79	84.84	89.89	88.84	89.86	90.31			137.8
160						74.64		76.79		79.59	80.05	80.29	81.51	81.97	83.54	83.88			138.4
200						73.87		74.62		77.48	77.86	77.23	77.94	78.56	79.88	79.76			129.4
250						74.26		73.81		73.65	74.73	76.16	78.88	80.55	83.43	83.37			130.5
315						78.57		77.61		80.21	80.93	81.71	83.92	86.14	88.92	86.91			135.7
400						80.69		81.36		83.67	84.82	85.92	87.82	88.29	88.99	88.53			138.1
500						80.17		82.70		83.92	85.23	85.97	87.22	88.69	88.77	87.87			138.1
630						76.96		80.10		82.37	81.99	82.20	83.48	86.16	84.29	81.97			134.9
800						79.88		79.55		82.62	82.49	83.28	84.62	85.66	86.25	83.68			135.7
1000						80.87		83.91		84.95	84.38	85.09	85.48	87.89	86.16	85.11			137.6
1250						87.86		89.54		85.20	88.83	86.36	87.23	89.18	86.49	84.99			140.1
1600						86.59		89.56		88.65	86.98	87.18	86.76	87.88	88.88	84.27			138.8
2000						85.59		94.64		93.58	88.65	87.58	86.71	87.87	83.87	82.58			142.9
2500						83.08		88.55		87.96	84.51	83.11	84.46	83.71	79.96	79.45			138.1
3150						85.41		90.39		86.31	83.95	86.58	88.49	84.68	81.58	83.36			139.8
4000						89.35		93.38		92.37	90.55	93.44	91.72	89.98	86.27	86.45			144.8
5000						95.71		103.4		102.1	100.3	102.9	98.58	98.21	95.19	92.47			154.2
6300						89.39		90.12		90.69	91.25	90.18	91.13	88.49	83.83	85.25			144.1
8000						87.40		91.24		87.76	87.25	90.19	89.12	86.86	82.95	85.38			143.6
10000						87.52		97.08		96.66	91.55	94.23	93.30	91.42	86.74	86.51			150.1
MEASURED OASPL						101.1		107.1		106.2	104.3	104.2	104.3	104.2	102.9	103.2			
CALCULATED OASPL						99.71		105.9		104.9	102.9	103.8	102.9	102.6	101.2	101.6			
PNDB						114.7		120.8		119.8	118.2	120.1	117.8	117.4	115.1	113.9			

OAPWL: 157.4

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

RUN=13 RUG=147 SPEED=7500

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/04/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-5,75		-4,25		-3,18	-1,41	-1,11	,0211	2,379	5,314	9,518		
63						-4,06		-4,29		-2,56	-1,18	-,596	,0183	2,218	5,325	9,259		
80						-6,04		-4,68		-2,25	-,816	-,052	1,172	2,502	5,218	8,856		
100						-6,71		-4,02		-2,08	-,699	-,029	1,254	3,008	5,308	8,489		
125						-6,81		-4,76		-3,32	-2,47	,5682	4,815	4,569	4,798	6,834		
160						-4,21		-2,85		,7443	1,199	1,448	2,689	3,185	4,689	5,833		
200						-1,93		-1,18		1,679	2,061	1,438	2,145	2,759	4,884	3,969		
250						-2,52		-2,97		-1,13	-2,05	-,618	1,222	3,772	6,652	6,590		
315						-3,32		-4,28		-1,68	-,958	-,178	2,029	4,244	7,032	5,019		
400						-3,57		-2,98		-,594	,5573	1,657	3,552	4,028	4,728	4,262		
500						-4,04		-1,51		-,294	1,017	1,753	3,018	4,276	4,958	3,652		
630						-3,93		-,791		1,474	1,181	1,393	2,788	5,264	3,481	1,877		
800						-1,72		-2,05		1,027	,8894	1,681	3,022	4,057	4,647	2,577		
1000						-,325		,5130		1,551	,9778	1,692	2,078	4,496	2,762	1,711		
1250						1,989		3,729		-,614	3,911	,5488	1,618	3,287	,6697	-,817		
1600						-,889		4,166		3,258	1,184	1,787	1,388	2,179	-,364	-1,12		
2000						-2,67		6,379		5,321	,3948	-,685	-1,55	-1,19	-4,59	-5,68		
2500						-,276		5,196		4,681	1,155	-,249	1,104	,3589	-3,39	-3,91		
3150						,5394		5,718		1,436	-,923	1,783	3,623	-,191	-3,37	-1,51		
4000						-,161		3,787		2,851	1,039	3,928	2,208	,4687	-3,24	-3,07		
5000						-2,96		4,755		3,469	1,624	4,314	-,112	-,459	-3,48	-6,21		
6300						1,430		2,157		2,733	3,286	2,214	3,171	,5344	-4,13	-2,71		
8000						,8265		4,666		1,184	,6708	3,611	2,538	,2864	-3,68	-1,19		
10000						-4,31		5,257		4,833	-,269	2,486	1,571	-,404	-5,08	-5,31		

AMBIENT TEMP. 32,02
WET-BULB TEMP. 30,02
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,912

RUN=13 RDS=147 SPEED=7500

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						75.53		76.46		77.99	79.68	79.67	80.39	82.35	85.57	90.01			133.8
63						76.91		76.53		78.41	79.84	80.39	81.69	83.31	86.06	90.31			134.4
80						75.44		76.32		78.61	79.95	80.71	81.89	83.31	86.08	89.16			134.1
100						75.85		77.92		79.59	81.23	81.65	82.96	84.39	86.16	88.97			134.7
125						76.98		76.99		79.88	81.79	81.32	88.14	87.02	88.30	90.16			136.7
160						74.07		74.07		77.92	78.75	79.36	80.19	80.46	82.58	88.76			131.2
200						73.45		72.83		75.46	76.78	76.01	77.33	77.77	79.35	78.46			128.4
250						74.45		71.35		75.17	75.98	76.75	77.04	78.55	80.79	80.61			129.0
315						79.03		76.98		80.74	81.96	82.18	83.02	84.32	86.46	84.78			134.5
400						82.36		80.67		83.26	85.89	86.02	86.98	87.88	87.24	86.95			137.6
500						81.81		81.74		83.02	86.44	85.57	87.34	87.39	88.88	86.72			137.9
630						77.71		79.96		79.87	82.16	81.17	82.94	84.72	82.60	81.72			133.9
800						81.94		80.38		81.62	82.38	83.18	84.34	84.91	83.73	81.34			138.1
1000						84.37		85.68		85.08	84.98	85.86	85.45	87.44	85.54	84.58			137.8
1250						86.05		86.06		86.52	86.71	86.38	85.69	87.62	85.22	83.95			138.9
1600						85.52		86.95		87.19	87.61	86.76	87.85	87.86	84.13	86.18			139.4
2000						82.98		86.73		86.59	87.35	86.77	86.85	87.31	82.58	81.68			138.8
2500						83.29		84.47		85.12	85.86	85.12	85.97	85.72	79.30	79.99			137.6
3150						86.17		87.96		86.34	86.56	88.18	90.59	86.46	81.50	84.53			140.4
4000						92.38		95.17		93.13	95.52	95.64	93.48	91.54	87.66	88.25			147.1
5000						99.24		102.2		98.81	103.5	100.8	96.74	97.58	93.86	93.17			153.7
6300						89.41		91.05		92.59	93.62	91.05	92.14	89.29	84.28	85.82			145.4
8000						87.86		91.62		87.99	89.29	91.49	90.73	88.88	83.25	86.67			144.6
10000						88.38		95.71		91.23	93.32	92.39	94.68	91.96	86.30	86.54			149.0
MEASURED OASPL						103.2		105.9		103.8	106.8	105.4	104.8	103.8	101.7	102.5			
CALCULATED OASPL						101.8		104.8		102.4	105.6	103.9	102.8	102.3	100.0	100.8			
PNDB						116.9		119.5		117.4	120.6	118.9	117.1	117.2	114.0	114.0			

OAPWL: 157.1

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

RUN=13 RDG=148 SPEED=7300

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						-4,97	-4,03			-2,50	-,814	-,824	-,897	1,857	5,875	9,511			
63						-4,12	-4,49			-2,62	-1,18	-,631	,8596	2,279	5,833	9,201			
80						-5,22	-4,33			-2,85	-,789	,8565	1,239	2,648	5,426	8,496			
100						-5,34	-3,27			-1,59	,8481	,4618	1,771	3,286	4,972	7,788			
125						-6,21	-6,19			-3,31	-1,39	-1,87	4,949	3,624	5,188	8,971			
160						-3,53	-2,73			,3161	1,154	1,756	2,302	2,886	4,903	8,165			
200						-1,29	-1,91			,7179	2,839	1,869	2,983	3,827	4,689	3,717			
250						-,853	-3,95			-,138	,6889	1,445	1,736	3,251	5,495	9,312			
315						-1,74	-3,78			-,829	1,198	1,413	2,258	3,946	5,695	4,888			
400						-1,37	-3,86			-,476	2,165	2,288	3,195	3,948	3,882	3,828			
500						-3,19	-2,28			-,976	2,448	1,879	3,339	3,383	4,889	2,721			
630						-2,22	,8563			-,841	2,251	1,266	3,829	4,889	2,697	1,814			
800						,9478	-,616			,6864	1,337	2,187	3,388	3,916	2,739	,3815			
1000						,7861	2,893			1,498	1,315	1,477	1,863	3,849	1,988	,9984			
1250						1,363	3,374			1,833	2,829	1,695	1,815	2,980	,8379	-,731			
1600						,8312	1,969			2,211	2,628	1,770	2,868	2,876	-,886	-,888			
2000						-1,21	2,965			2,418	3,161	2,988	1,859	3,118	-2,11	-2,91			
2500						,6736	1,649			2,206	3,843	2,894	3,147	2,895	-3,88	-2,83			
3150						,7992	2,519			,9888	1,126	2,746	3,148	1,817	-3,98	-,985			
4000						,9818	3,367			1,326	3,719	3,836	1,877	-,289	-4,14	-3,85			
5000						1,889	4,885			,6988	3,392	2,675	-1,68	-,572	-4,29	-4,98			
6300						,1485	1,782			3,323	4,358	1,778	2,863	,8259	-4,99	-3,45			
8000						,2891	4,828			,3896	1,783	3,981	3,184	,4842	-4,34	-,922			
10000						-2,33	4,999			,8171	2,684	1,685	3,987	1,248	-4,41	-4,17			

AMBIENT TEMP, 32,00
WET-BULB TEMP, 30,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,912

RUN=13 RDG=148 SPEED=7300

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

blog

RADIAL DISTANCE 150

DATE: 3/04/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						74,74		75,67		76,78	78,45	78,93	79,23	81,28	83,97	87,81			135,2
63						76,77		75,89		77,48	79,29	79,26	80,55	82,15	84,85	88,13			132,9
80						74,27		75,74		77,10	78,94	79,46	80,54	82,39	84,73	87,59			132,8
100						75,27		76,99		78,54	80,46	80,58	81,94	83,45	84,96	87,68			133,6
125						77,46		79,16		80,95	80,71	81,28	82,22	84,19	85,10	87,93			134,3
160						73,66		74,71		77,02	78,12	78,42	78,99	79,62	81,12	81,61			130,2
200						72,79		72,83		74,98	76,31	75,78	76,32	77,28	78,68	77,35			127,9
250						72,67		72,29		71,73	73,70	74,41	75,35	78,61	80,66	79,55			127,9
315						78,09		78,02		79,64	80,09	81,05	82,91	83,39	85,82	84,00			130,8
400						80,51		81,44		83,37	83,35	84,59	86,64	86,31	86,83	85,64			136,6
500						80,65		81,28		81,93	83,96	84,00	85,26	85,79	86,48	85,69			136,2
630						77,51		78,68		80,04	80,79	81,34	81,96	83,14	81,02	81,03			132,9
800						83,17		81,25		79,71	80,89	83,18	83,59	84,05	84,15	81,08			134,9
1000						85,38		84,94		84,63	84,82	84,71	85,23	86,79	85,17	84,47			137,5
1250						86,54		86,84		85,86	85,55	86,25	87,88	87,00	85,23	86,58			138,7
1600						86,12		86,50		87,62	86,21	87,62	89,80	88,98	85,27	85,36			140,3
2000						84,97		86,56		87,37	87,85	87,68	88,01	90,09	83,46	83,14			140,0
2500						85,57		85,14		86,10	87,14	86,00	87,77	88,69	80,89	81,94			139,1
3150						88,44		87,32		86,92	87,53	89,50	92,45	88,73	83,19	86,12			141,7
4000						95,42		98,89		95,42	94,88	98,88	95,04	94,44	89,82	90,16			149,5
5000						98,28		102,7		98,78	98,24	102,1	95,71	97,40	92,83	91,82			152,8
6300						89,44		90,65		91,52	93,43	91,20	92,79	89,98	84,72	86,27			145,3
8000						88,62		91,89		88,44	89,69	92,10	91,74	90,74	84,82	87,04			148,4
10000						88,55		94,92		90,44	92,11	93,29	93,28	94,51	87,23	86,79			148,8
MEASURED OASPL						103,5		106,8		104,1	104,2	106,6	104,2	104,5	101,5	101,9			
CALCULATED OASPL						101,9		105,5		102,6	102,8	105,3	102,9	103,1	99,57	103,1			
PNDB						118,8		119,9		117,4	117,5	119,9	117,8	117,6	113,7	113,5			

OAPWL: 157,[illegible]

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,741

RUN=13 RDG=149 SPEED=7100

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE [illegible]0

DATE: 3/24/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-4.18		-3.25		-2.14	-.472	.0102	.3882	2.355	5.047	3.882		
63						-2.84		-3.72		-2.13	-.323	-.356	.9833	2.535	5.238	8.520		
80						-5.25		-3.61		-2.25	-.412	.1139	1.193	3.039	5.302	8.242		
100						-4.83		-3.10		-1.56	.3622	.4789	1.839	3.349	4.863	7.577		
125						-3.37		-1.59		.1926	-.053	.5163	1.463	3.437	4.343	7.166		
160						-2.93		-1.90		.4067	1.511	1.888	2.385	3.085	4.508	5.000		
200						-1.42		-1.38		.7580	2.104	1.571	2.689	3.869	4.467	3.144		
250						-1.54		-1.93		-2.47	-.512	.1962	1.136	4.399	6.443	5.333		
315						-1.89		-1.96		-.338	.1112	1.071	2.926	3.419	5.635	4.022		
400						-2.25		-1.31		.6161	.5897	1.842	3.888	3.557	4.076	2.886		
500						-1.61		-.969		-.323	1.712	1.792	3.886	3.532	4.227	3.448		
630						-1.48		-.386		1.251	1.801	2.357	2.976	4.155	2.829	2.038		
800						2.386		.4739		-1.87	.1109	2.401	2.889	4.869	3.369	.2962		
1000						2.265		1.629		1.324	1.588	1.488	1.921	3.478	1.859	1.156		
1250						2.095		2.396		.6079	1.102	1.888	3.429	2.755	.7638	.8532		
1600						.2874		.6858		1.689	2.394	1.884	3.986	3.160	-.941	-.682		
2000						-.434		1.155		1.961	2.439	2.277	2.684	4.682	-1.99	-2.27		
2500						1.168		.7369		1.788	2.742	1.679	3.366	4.298	-3.51	-2.46		
3150						1.689		.5782		.1678	.7859	2.755	5.785	1.984	-3.56	-.631		
4000						1.231		4.788		1.235	.6934	4.689	.6859	.2402	-4.37	-4.03		
5000						.9542		5.356		1.459	.9172	4.739	-1.61	.8761	-4.69	-5.51		
6300						.2562		1.463		2.332	4.241	2.814	3.686	.7951	-4.46	-2.92		
8000						.2453		3.519		.8699	1.317	3.726	3.365	2.363	-3.56	-1.33		
10000						-2.45		4.438		-.851	1.615	2.793	2.798	4.814	-3.27	-3.69		

AMBIENT TEMP. 31.00
WET-BULB TEMP. [illegible]
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.761

RUN=13 RDG=149 SPEED=7100

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RADIAL DISTANCE 150

DATE: 3/03/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						73,47		74,64		75,71	77,24	78,22	78,91	80,71	82,61	86,36			131,1
63						75,82		74,56		75,98	77,39	78,09	78,91	80,51	82,74	86,84			131,4
80						72,79		74,47		76,26	77,60	78,20	79,66	81,24	82,79	85,74			131,3
100						74,41		76,51		78,16	79,03	79,31	80,35	82,84	83,42	86,24			132,2
125						75,31		78,67		79,84	78,78	78,21	79,68	81,89	81,89	84,67			131,7
160						72,06		73,91		75,80	77,81	76,75	77,68	78,39	79,37	80,16			128,8
200						70,47		72,14		73,82	75,53	74,25	75,99	76,81	76,39	75,46			126,5
250						72,05		71,66		72,55	75,16	74,71	75,82	77,13	78,92	78,24			127,3
315						77,16		75,92		78,83	80,24	81,04	82,34	84,10	83,79	82,51			133,1
400						79,86		79,83		81,40	82,15	83,28	84,51	85,43	84,75	83,86			134,9
500						80,55		82,74		81,90	83,82	82,92	84,38	84,98	84,89	84,41			135,3
630						76,93		79,97		79,34	80,55	80,86	80,97	82,28	80,22	80,89			132,4
800						83,13		79,34		80,39	81,73	82,39	83,08	83,15	82,28	79,75			134,1
1000						85,49		85,28		84,16	84,58	83,93	84,73	86,51	84,66	83,86			137,2
1250						87,36		86,24		85,58	85,79	85,69	86,84	86,70	84,43	84,45			138,5
1600						87,02		87,42		87,56	88,34	87,48	89,71	89,16	85,18	85,45			140,4
2000						85,88		87,16		87,64	88,55	87,49	88,84	90,84	83,47	83,42			140,4
2500						86,57		86,84		86,57	87,97	86,60	88,06	89,08	81,33	82,48			139,7
3150						89,05		88,15		86,80	87,85	89,71	92,[illegible]	89,88	83,38	86,57			141,9
4000						96,86		101,7		100,5	99,26	99,25	96[illegible]	96,19	91,76	91,73			152,0
5000						92,29		97,17		96,44	96,88	95,21	9[illegible]	94,24	89,31	88,31			148,4
6300						88,75		90,18		90,95	94,12	91,07	92,[illegible]	89,83	84,18	85,79			145,2
8000						89,71		93,37		90,81	90,18	92,82	91,83	91,32	85,62	87,91			146,3
10000						87,14		92,81		89,30	89,87	90,65	91,03	90,68	85,52	85,63			146,5
MEASURED OASPL						102,0		105,6		104,7	104,7	104,4	103,7	103,7	99,95	100,7			
CALCULATED OASPL						100,7		104,6		103,5	103,3	103,1	102,4	102,3	96,49	99,22			
PNDB						115,9		119,8		118,9	118,6	118,5	117,4	117,2	113,2	113,5			

OAPWL: 156.3

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=157 SPEED=6900

RADIAL DISTANCE 150

DATE: 3/03/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-4.35	-3.18			-2.11	-.584	.3911	1.084	2.886	4.781	8.537			
65						-2.24	-3.51			-2.16	-.674	.0324	.8489	2.449	4.677	8.784			
80						-5.08	-3.41			-1.61	-.272	.4038	1.787	3.367	4.923	7.867			
100						-4.37	-2.27			-.613	.2527	.5293	1.574	3.265	4.648	7.464			
125						-2.91	.4529			1.625	.5696	-.802	1.387	2.882	3.678	6.454			
160						-3.18	-1.32			.5679	1.777	1.515	2.441	3.153	4.139	4.924			
200						-2.38	-.718			.9804	2.676	1.393	3.137	3.168	3.542	2.611			
250						-1.56	-1.95			-1.06	1.553	1.105	2.209	3.519	5.314	4.634			
315						-2.14	-3.38			-.463	.9445	1.747	3.038	4.804	4.489	3.209			
400						-1.29	-2.12			.3286	.9979	2.135	3.363	4.284	3.683	2.713			
500						-.817	-.422			.5863	1.653	1.569	3.017	3.563	3.583	3.041			
630						-1.45	1.593			.9647	2.168	1.685	2.596	3.899	1.843	1.719			
800						3.281	-.703			.2995	1.679	2.348	3.033	3.104	2.233	-.294			
1000						2.475	2.269			1.148	1.492	.9231	1.714	3.503	1.645	.8449			
1250						3.153	2.027			1.369	1.576	1.479	2.629	2.491	.2217	.2399			
1600						1.235	1.440			1.570	2.355	1.490	3.727	3.177	-.854	-.536			
2000						.0602	1.336			1.814	2.725	1.672	2.223	5.022	-2.35	-2.39			
2500						1.576	1.038			1.575	2.968	1.687	3.063	4.086	-3.67	-2.52			
3150						2.274	1.177			-.176	.8786	2.737	5.344	2.187	-3.59	-.418			
4000						-.658	4.944			3.831	2.539	2.527	-.128	-.521	-4.96	-4.99			
5000						-.659	4.224			3.491	3.135	2.263	.9297	1.291	-3.64	-4.64			
6300						-.319	1.101			1.877	5.043	1.998	3.386	.7526	-4.89	-3.28			
8000						.4872	4.141			.7873	.9555	3.599	2.682	2.893	-3.60	-1.31			
10000						-1.06	4.611			1.899	1.666	2.448	2.823	2.481	-2.68	-2.57			

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=150 SPEED=6902

RADIAL DISTANCE 150

DATE: 3/04/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 2.2	10.0	20.0	30.0	40.0	50.2	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						72.72	72.84	74.53	76.41	76.89	77.16	78.69	80.84	84.74					129.6
63						73.91	72.94	74.92	76.10	76.39	77.62	78.93	81.24	84.08					129.7
80						71.03	72.62	74.92	76.36	76.94	77.81	79.11	80.77	83.39					129.4
100						73.56	76.46	76.19	78.03	78.29	80.89	80.61	82.12	84.15					131.8
125						71.83	78.84	78.29	77.86	77.38	79.05	80.18	80.88	82.86					129.9
160						76.47	71.23	74.25	75.19	75.45	76.49	76.85	78.86	78.42					127.2
200						69.89	68.25	78.99	72.88	72.63	74.83	75.16	75.26	73.98					124.6
252						69.76	66.78	68.66	70.89	70.97	72.29	73.19	73.64	76.12					123.9
315						76.22	73.99	75.39	76.81	77.31	79.31	80.49	81.64	80.25					130.2
400						79.35	77.66	78.98	80.18	81.21	82.19	82.84	82.73	82.88					132.9
500						79.59	79.15	80.88	81.39	82.20	83.21	83.32	82.93	82.29					133.8
630						76.58	77.72	78.54	78.93	79.67	80.62	81.79	79.94	78.62					131.5
800						83.13	78.88	78.31	80.86	81.49	82.81	83.22	80.43	78.28					132.9
1000						85.53	83.71	83.66	83.87	84.86	84.41	84.13	83.51	82.63					136.6
1250						86.68	89.33	84.22	85.43	85.46	86.32	85.87	85.82	85.19					137.7
1600						87.21	86.58	87.12	87.98	87.42	89.29	89.22	84.57	84.45					140.1
2000						86.25	86.49	86.97	87.89	87.23	87.87	90.14	83.43	82.48					139.9
2500						88.73	89.86	88.34	87.55	86.75	87.97	88.86	88.91	81.98					139.4
3150						88.94	87.12	86.38	87.39	90.18	92.64	88.73	82.76	85.51					141.8
4000						90.25	97.80	97.31	96.71	96.26	97.86	96.13	90.63	90.82					150.1
5000						88.92	90.86	91.42	92.47	91.84	91.13	92.39	84.87	85.15					144.6
6300						87.87	89.81	90.52	94.74	91.62	94.31	90.84	83.28	84.51					145.6
8000						90.18	90.32	89.77	90.41	93.62	92.87	91.58	85.48	87.16					146.3
10000						89.73	90.26	87.37	88.27	89.21	90.95	89.81	83.78	83.67					145.1
MEASURED OASPL						101.6	102.5	102.1	103.0	102.9	104.8	103.5	98.57	99.89					
CALCULATED OASPL						100.3	101.4	100.9	101.7	101.6	102.7	102.3	97.12	97.69					
PNDB						115.7	116.7	116.4	116.7	116.9	117.9	117.6	111.9	112.2					

OAPWL: 154.9

AMBIENT TEMP, 31.80
WET-BULB TEMP, 29.89
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN=13 RDG=151 SPEED=6600

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RADIAL DISTANCE 150

DATE: 3/24/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	12.0	20.0	32.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-3,53		-3,41		-1,72	,1592	,6419	,9058	2,437	4,592	8,487			
63						-2,46		-3,43		-1,45	-,269	,2224	1,250	2,559	4,866	8,308			
80						-4,94		-3,34		-1,05	,4181	,9916	1,848	3,142	4,803	7,421			
100						-3,95		-1,07		-1,34	,5844	,7599	2,558	3,278	4,588	6,623			
125						-4,56		-1,35		-1,10	,6676	,9874	2,657	3,709	4,460	6,20[illegible]			
160						-3,18		-2,43		,5956	1,534	1,773	2,831	3,026	4,407	4,761			
200						-1,89		-2,73		,0153	1,821	1,646	3,045	4,175	4,282	2,996			
250						-,374		-3,45		-1,49	,7354	,8140	2,139	3,038	5,483	5,963			
315						-,175		-2,40		-,999	,4152	,9091	2,912	4,102	5,245	3,850			
400						,2719		-1,41		-,093	1,025	2,134	3,116	3,764	3,648	3,002			
500						-,274		-,728		,2099	1,522	2,427	3,339	3,449	3,058	2,418			
630						-,948		,2001		1,013	1,403	2,145	3,096	4,267	2,416	1,097			
800						4,318		-,725		-,496	1,254	2,689	3,201	2,414	1,624	-,526			
1000						3,098		1,278		1,223	1,439	1,453	1,971	3,699	1,076	,1919			
1250						3,166		1,882		,7742	1,982	2,011	2,872	2,124	,0746	-,253			
1600						1,554		,8410		1,459	2,318	1,758	3,633	3,561	-1,09	-1,21			
2000						,9942		1,135		1,609	2,539	1,874	2,506	4,781	-1,93	-2,88			
2500						2,117		,4433		1,724	2,935	2,132	3,356	3,450	-3,70	-3,04			
3150						2,095		,2819		-,467	,5486	3,258	5,796	1,888	-4,09	-1,33			
4000						1,405		3,039		2,469	1,866	1,416	3,015	3,288	-4,21	-4,03			
5000						-,161		1,779		2,332	3,383	2,779	2,041	3,302	-3,01	-3,94			
6300						-1,59		-,457		1,051	5,274	2,155	4,842	,5755	-6,19	-4,95			
8000						,9154		3,035		,5035	1,149	4,353	2,804	2,315	-3,86	-2,10			
10000						-1,01		3,522		,6208	1,528	2,469	4,208	3,076	-3,04	-3,07			

AMBIENT TEMP. 31,00
WET-BULB TEMP. 29,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,741

RUN=13 RDG=151 SPEED=6600

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 15M

DATE: 3/04/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						73,14	72,99			75,87	75,37	76,89	76,73	78,63	80,53	84,34			129,2
63						73,91	72,69			74,49	75,81	76,32	77,28	78,69	80,64	83,99			128,8
80						73,76	72,20			74,29	75,81	76,51	77,53	78,82	80,15	83,14			128,9
100						74,25	77,			75,65	78,48	78,79	81,66	82,27	82,53	83,56			131,6
125						71,49	73,			74,82	76,25	76,82	78,48	79,67	79,91	81,83			129,2
160						69,89	70,98			73,94	74,45	75,17	76,81	76,84	77,53	77,89			128,7
200						68,84	67,91			70,36	71,96	72,85	72,91	74,88	74,69	75,71			123,9
250						69,25	67,85			67,62	69,45	69,71	70,63	70,96	70,21	74,51			122,5
315						70,15	74,27			74,24	76,16	76,14	78,21	78,92	80,66	78,49			129,1
400						79,58	77,87			78,19	79,28	79,98	81,11	81,79	81,93	80,83			142,8
500						78,86	78,29			79,52	80,95	81,80	82,46	82,73	82,49	81,24			140,1
630						76,62	76,49			78,11	78,14	78,97	80,15	81,88	80,27	78,01			131,2
800						82,72	78,44			77,67	79,16	80,37	81,22	80,65	79,77	77,84			132,3
1000						84,97	83,14			82,92	83,42	83,98	84,21	86,39	83,27	82,84			136,3
1250						86,46	85,56			85,92	86,59	86,85	86,87	86,49	85,82	85,85			137,0
1600						87,82	86,97			86,88	87,36	87,13	88,83	89,49	86,98	86,92			139,8
2000						85,98	86,42			86,57	87,46	86,91	87,32	87,93	86,48	82,15			139,6
2500						84,75	84,85			85,82	87,19	86,49	87,54	87,76	86,75	81,35			139,1
3150						88,85	87,16			86,81	88,68	89,77	92,49	88,77	82,67	80,44			141,6
4000						96,18	96,36			98,34	98,84	98,33	97,28	96,37	93,26	91,27			149,7
5000						88,32	88,19			98,59	91,68	91,22	98,45	91,88	85,58	84,71			148,9
6300						87,82	89,54			98,54	93,29	98,19	93,72	89,72	83,28	84,93			144,9
8000						89,85	92,18			87,49	98,54	92,69	91,55	92,84	85,67	87,22			145,9
10000						85,41	89,93			86,11	87,21	88,31	89,86	86,85	83,38	83,85			144,2
MEASURED OASPL						101,5	101,9			102,3	102,3	102,5	103,5	102,9	99,28	98,98			
CALCULATED OASPL						100,1	100,6			101,0	100,9	101,1	102,2	101,6	98,82	97,87			
PNDB						113,5	113,7			114,7	113,9	114,2	115,3	114,7	111,6	110,3			

OAPWL: 154,4

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

RUN=13 RDG=152 SPEED=6450

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-2.71	-2.87	-1.98	-.487	.2314	.9285	2.771	4.678	8.488					
63						-2.82	-3.24	-1.43	-.119	.3951	1.272	2.758	4.788	8.862					
80						-4.78	-3.33	-1.24	.2748	.9738	1.999	3.889	4.613	7.886					
100						-3.85	-.775	-2.45	.3827	.6992	3.561	4.171	4.433	5.461					
125						-4.14	-2.00	-.824	.6118	1.179	2.839	4.038	4.265	5.887					
160						-3.26	-3.17	.7911	1.987	2.810	2.881	3.892	4.383	4.442					
200						-2.18	-2.31	.1959	1.743	1.813	2.693	3.855	4.476	3.494					
250						.4527	-.952	-1.18	.6469	.9874	1.829	2.198	3.488	3.787					
315						.7858	-1.09	-1.12	.8817	.7881	2.849	3.552	5.310	3.898					
400						1.386	-1.13	-.883	1.879	1.784	2.918	3.993	3.737	2.638					
500						-.289	-.896	.3748	1.481	2.189	3.387	3.977	3.348	2.489					
630						-.971	-.693	.9139	.9465	1.779	2.956	4.683	3.876	1.616					
800						4.541	.2824	-.915	.9779	2.187	3.838	2.472	1.598	-.344					
1000						2.878	1.842	.8146	1.323	1.475	2.113	4.289	1.178	-.859					
1250						3.888	2.377	.7389	1.412	1.868	2.887	2.385	-.165	-1.181					
1600						1.691	.9969	2.688	1.991	1.796	3.468	4.182	-.887	-1.46					
2000						.9839	1.375	1.928	2.414	1.865	2.277	4.888	-1.64	-2.89					
2500						2.432	.5317	1.981	2.871	2.186	3.821	3.484	-3.87	-2.96					
3150						2.889	.5207	-.829	.8369	3.123	5.847	2.128	-3.97	-1.28					
4000						1.775	1.952	3.932	1.634	1.926	2.796	1.961	-4.14	-3.15					
5000						-.885	1.789	2.185	3.278	2.881	2.847	3.423	-7.02	-3.89					
6300						-.955	.7976	1.763	4.512	1.428	4.937	.9418	-6.98	-4.24					
8000						1.611	3.345	-1.34	1.699	3.853	2.712	3.199	-8.17	-1.82					
10000						-.592	4.825	.1991	1.383	2.484	3.948	2.943	-2.56	-2.87					

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN=13 RDG=152 SPEED=6450

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

D117

RADIAL DISTANCE 150

DATE: 3/24/7[illegible] PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						72.03		72.45		73.20	74.20	74.79	75.48	76.95	78.89	82.33			127.6
63						71.20		71.77		72.92	74.15	74.61	75.78	76.80	78.94	82.04			127.5
80						69.79		71.06		72.55	73.88	74.51	75.69	76.83	78.42	81.37			127.2
100						71.20		75.38		74.72	76.07	77.56	79.58	79.38	79.86	81.64			129.4
125						69.94		71.87		73.58	74.78	75.21	76.16	77.13	77.86	79.74			127.3
160						69.15		69.79		72.51	73.57	73.74	74.66	74.76	75.88	76.82			125.4
200						67.11		68.19		69.29	71.17	71.21	72.91	72.62	73.80	72.10			123.0
250						67.58		67.37		66.18	67.79	65.58	68.93	70.25	72.73	72.76			120.9
315						74.85		72.61		73.03	74.52	74.22	75.59	76.62	78.71	77.14			127.3
400						77.50		75.66		76.47	77.54	78.23	79.37	79.52	79.91	79.52			130.2
500						77.29		76.73		77.68	79.00	79.70	80.90	81.43	81.22	80.03			131.6
630						76.12		74.94		76.09	76.74	77.61	79.19	80.57	78.63	77.70			129.9
800						82.46		78.95		77.71	78.33	79.40	80.22	79.79	79.13	77.23			131.7
1000						84.57		82.27		82.05	82.54	82.72	83.63	85.70	82.88	81.76			130.6
1250						86.20		85.62		84.07	84.25	84.63	85.87	85.38	82.72	82.68			137.3
1600						86.63		86.13		86.53	86.93	86.69	88.13	88.85	83.80	82.79			139.4
2000						85.72		86.46		86.70	87.32	86.47	86.76	89.38	82.96	81.59			139.4
2500						86.43		85.35		85.93	86.79	86.20	87.12	87.30	80.05	80.45			138.8
3150						88.24		87.31		85.48	86.12	89.36	91.78	88.52	82.89	84.53			141.1
4000						95.17		95.94		93.40	93.01	98.26	96.50	95.57	90.86	90.86			148.6
5000						87.39		8[illegible].72		89.69	90.55	90.76	89.55	91.22	84.32	83.42			143.1
6300						87.24		86.45		89.39	91.89	89.72	92.48	90.07	82.52	83.64			143.9
8000						88.66		91.37		86.89	87.53	90.99	91.42	90.80	84.69	86.04			144.7
10000						84.30		89.39		84.99	85.65	87.95	89.42	88.83	82.21	82.05			143.6
MEASURED OASPL						100.8		101.5		99.99	100.7	102.7	102.7	102.3	97.37	97.69			
CALCULATED OASPL						99.27		100.2		98.50	99.27	101.4	101.4	100.9	95.90	96.26			
PNDB						114.6		115.3		113.6	113.9	116.9	116.5	115.9	110.9	111.1			

OAPWL: 153.5

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN=13 RDG=153 SPEED=6200

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,2	12,2	22,2	30,0	40,2	50,2	60,0	70,0	80,0	90,0	100,0	110,2	120,2	130,0	140,0	150,2	160,0	170,0	(PWL)
50						-2,31	-1,89	-1,14	-,858	,4459	1,137	2,610	4,547	7,987					
63						-2,97	-2,40	-1,25	-,819	,4349	1,684	2,634	4,769	7,864					
80						-3,98	-2,71	-1,22	,1141	,7432	1,823	3,056	4,649	7,597					
100						-4,74	-,562	-1,22	,1262	1,617	3,636	3,432	3,913	5,692					
125						-3,78	-1,85	-,149	1,051	1,488	2,438	3,488	4,136	6,015					
160						-2,63	-1,99	,7274	1,798	1,964	2,878	2,983	4,896	4,241					
200						-2,27	-1,19	-,093	1,784	1,824	3,927	3,230	4,415	2,718					
250						,3965	,1799	-1,88	,9983	-1,61	1,744	3,862	5,938	5,572					
315						1,361	-,858	-,466	1,825	,7269	2,184	3,125	5,212	3,646					
400						1,133	-,713	,8947	2,172	1,856	3,083	3,151	3,536	3,149					
500						-,848	-,906	,8384	1,361	2,861	3,265	3,792	3,878	2,395					
630						,2499	-,932	,2162	,8654	1,741	3,327	4,699	2,813	1,832					
800						4,814	1,298	,0614	,6823	1,754	2,573	2,143	1,476	-,415					
1000						3,145	,8464	,6243	1,112	1,289	2,283	4,276	1,484	,3299					
1250						3,281	2,619	1,066	1,231	1,629	2,868	2,379	-,284	-,317					
1500						1,728	1,821	1,628	2,817	1,781	3,817	3,948	-1,11	-2,12					
2000						,9593	1,700	1,945	2,558	1,713	2,885	4,621	-1,79	-3,16					
2500						2,355	1,276	1,853	2,714	2,284	3,848	3,228	-4,83	-3,62					
3150						2,882	1,156	-,677	-,835	3,287	5,628	2,369	-4,87	-1,62					
4000						1,828	2,487	,8667	-,338	4,928	3,167	2,231	-3,28	-3,28					
5000						-,228	2,100	2,881	2,938	3,141	1,938	3,084	-3,29	-4,19					
6300						-,593	,8237	1,569	4,858	1,891	4,693	2,244	-8,31	-4,19					
8000						1,829	3,746	-,739	-,893	3,366	3,789	3,176	-3,54	-1,39					
10000						-,972	4,127	-,287	,3739	2,681	4,158	3,599	-3,87	-3,22					

AMBIENT TEMP, 31,22
WET-BULB TEMP, 29,07
BAR, PRESSURE 28,76
ABS, HUMILITY 3,741

RUN=13 RDG=153 SPEED=6200

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/04/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.	130.0	140.0	150.0	160.0	170.0	(PWL)
50						71,67		71,58		72,88	73,92	75,84	74,87	75,99	77,72	81,14			136,9
63						70,76		71,19		72,72	73,71	74,42	74,75	75,47	77,61	80,81			136,6
80						68,93		70,61		72,13	73,26	74,47	74,93	75,97	77,41	80,85			136,4
100						71,58		73,52		73,65	75,25	76,34	76,16	76,54	78,51	80,40			138,8
125						69,84		70,64		72,47	73,98	74,44	75,88	76,80	76,88	78,77			136,3
160						69,84		68,96		71,76	72,49	72,91	73,89	75,66	74,69	74,98			134,4
200						70,52		70,59		69,94	69,89	70,75	72,88	71,84	72,69	71,82			133,8
250						65,68		65,43		65,17	66,78	66,82	67,46	68,23	70,10	71,12			119,4
315						73,89		70,08		72,58	73,63	73,31	74,69	75,17	76,81	78,87			138,9
400						76,39		74,21		75,72	77,84	77,13	78,48	78,83	78,88	77,84			139,8
500						76,22		78,82		77,08	78,46	78,38	79,85	80,47	80,28	78,38			139,6
630						74,77		74,65		75,24	75,94	76,47	77,49	78,47	78,17	77,25			138,8
800						81,26		77,55		76,89	77,98	78,38	79,28	78,74	77,42	76,66			139,7
1000						83,74		82,24		82,82	83,45	82,69	83,24	83,19	82,49	80,89			139,3
1250						85,49		84,87		83,83	83,91	84,39	84,99	85,88	85,86	84,24			139,8
1600						84,56		85,49		85,93	86,75	86,11	87,44	86,39	83,88	82,42			139,9
2000						85,59		85,89		86,13	87,12	85,98	86,96	86,35	82,39	81,84			139,8
2500						85,96		84,69		85,27	86,44	85,41	86,37	86,46	79,39	80,12			139,8
3150						87,94		86,99		85,88	86,17	86,89	91,24	87,46	81,45	84,88			140,6
4000						94,18		93,49		92,49	93,96	91,88	93,73	94,24	88,68	89,39			146,4
5000						86,74		89,33		89,48	90,53	89,94	89,83	90,87	83,38	82,98			140,6
6300						86,68		88,49		89,36	90,96	88,89	90,96	88,44	81,84	82,84			140,1
8000						88,87		89,86		87,21	88,27	91,88	91,24	88,69	82,78	88,61			144,2
10000						84,48		88,62		84,32	85,48	86,86	88,39	87,98	81,41	81,49			142,8
MEASURED OASPL						100,8		100,1		99,49	100,7	100,3	101,9	101,1	96,38	96,93			
CALCULATED OASPL						98,48		98,87		98,18	99,32	98,81	100,7	99,77	94,98	95,92			
PNDB						115,9		115,6		114,9	114,8	114,1	115,7	114,8	109,8	110,4			

OAPWL: 152,5

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

RUN=13 RDG=154 SPEED=6000

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

b120

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	17.2	24.0	30.0	40.0	52.2	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-1,91	-2,88	-,697	,3386	1,455	1,294	2,414	4,143	7,984					
63						-2,52	-2,89	-,557	,4364	1,136	1,476	2,199	4,827	7,932					
80						-4,01	-2,34	-,819	,3896	1,526	1,986	3,819	4,459	7,188					
100						-3,69	-1,76	-1,63	-,828	1,866	3,881	4,261	4,234	5,198					
125						-3,69	-2,89	-,264	1,183	1,788	2,344	3,364	4,893	6,836					
160						-2,72	-1,88	1,886	1,737	2,158	2,836	2,898	3,911	4,144					
200						1,148	1,227	,5663	,5178	1,382	3,586	2,474	3,321	2,447					
250						,0222	-,227	-,485	1,123	1,161	1,888	2,577	4,521	5,467					
315						,9684	-1,33	,4582	1,499	1,179	2,517	3,830	4,681	2,933					
400						1,289	-,969	,8398	1,867	1,958	3,288	3,883	3,868	1,867					
500						-,430	-,884	,3566	1,815	1,734	3,886	3,827	3,637	1,765					
630						-,078	-,195	,3988	,7816	1,628	2,651	4,687	3,328	2,485					
800						4,613	,9852	,2468	1,339	1,931	2,634	2,894	,7742	,8392					
1000						2,670	1,169	,9533	1,381	1,629	2,172	4,877	1,424	-,475					
1250						3,227	2,309	1,854	1,435	1,888	2,523	2,744	-,215	-,230					
1600						2,089	1,885	1,488	2,277	1,638	3,883	3,917	-,869	-2,05					
2000						1,386	1,682	1,917	2,989	1,689	1,748	4,334	-1,85	-3,17					
2500						2,926	1,268	1,048	3,812	1,988	2,946	3,889	-4,84	-3,36					
3150						2,869	,9869	-,598	,9838	3,218	3,971	1,976	-4,22	-1,42					
4000						3,117	2,428	1,423	2,897	-,89,9	4,448	3,176	-2,46	-1,68					
5000						-,342	2,251	2,327	3,448	2,868	1,948	2,994	-3,69	-4,18					
6300						-,279	1,922	2,392	4,888	1,889	3,995	1,477	-5,48	-4,11					
8000						1,713	2,786	,8935	1,112	3,843	4,884	1,938	-4,46	-1,95					
10000						-,822	4,118	-,170	,8992	2,359	3,895	3,483	-3,89	-3,85					

AMBIENT TEMP, 31,88
WET-BULB TEMP, 29,88
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

RUN=13 RDG=154 SPEED=6000

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 5/03/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.7	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						70,58		70,79		72,24	73,04	73,54	73,56	74,79	77,02	80,13			128,0
63						69,72		69,65		71,49	71,99	72,52	73,63	74,18	76,03	79,07			128,4
80						67,92		69,45		71,39	72,45	73,02	73,77	74,61	76,23	78,47			128,1
100						69,12		72,06		72,85	74,59	77,28	77,32	78,23	77,86	78,77			127,6
125						67,38		69,29		70,99	71,99	72,59	73,19	74,11	75,85	77,18			126,8
160						67,31		68,33		71,19	71,55	71,91	72,41	71,87	73,14	73,42			123,2
200						67,97		67,18		68,44	71,99	68,91	71,62	70,65	71,54	70,89			121,9
250						65,79		64,88		65,12	66,54	66,96	67,46	68,76	71,37	71,35			119,6
315						72,63		69,49		70,77	72,87	72,88	73,76	74,49	76,66	78,17			126,2
400						75,75		78,89		74,17	78,53	76,36	77,86	77,81	77,64	76,78			127,9
500						75,48		74,81		75,96	77,33	77,34	78,47	78,99	79,86	78,83			130,4
630						74,14		73,84		74,34	74,32	75,47	76,58	77,34	75,62	75,86			127,4
800						80,79		76,39		75,88	76,67	77,95	78,68	78,49	78,22	75,92			132,1
1000						83,53		81,48		80,99	81,24	81,28	82,84	83,92	81,96	80,68			134,3
1250						85,65		83,81		82,45	82,41	82,27	84,24	84,82	82,16	81,88			135,9
1600						86,19		84,49		83,28	83,44	83,80	86,48	86,83	82,54	81,61			137,0
2000						85,15		84,72		83,24	83,72	84,85	85,81	87,37	81,85	82,35			137,8
2500						83,58		83,16		84,81	84,97	84,82	85,24	85,26	78,78	79,84			136,9
3150						80,79		80,62		84,67	85,36	85,18	82,14	80,45	82,87	84,62			141,1
4000						92,98		91,95		89,17	89,89	94,62	96,92	93,69	86,83	88,75			146,3
5000						86,14		87,44		87,88	89,98	89,96	88,16	89,15	83,89	82,39			141,7
6300						88,76		86,43		87,25	89,88	87,62	89,78	87,88	88,69	88,89			141,6
8000						88,94		89,24		84,69	86,48	89,87	89,76	88,78	82,89	88,32			142,1
10000						85,59		88,39		83,88	84,84	85,88	86,48	86,45	82,94	81,49			142,1
MEASURED OASPL						99,63		98,87		97,78	98,88	100,4	101,9	100,4	98,94	98,35			
CALCULATED OASPL						98,29		97,71		96,38	97,42	99,83	100,6	99,82	94,84	94,89			
PNDB						113,2		112,3		110,7	111,6	114,5	115,9	114,1	108,7	109,8			
																		OAPWL:	151,8

AMBIENT TEMP, 31,00
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=155 SPEED=5758

D122

RADIAL DISTANCE 150

DATE: 3/23/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50	-1,98	-1,77	-,321	,4778	,9767	1,881	2,234	4,459	7,971					
63	-2,27	-2,34	-,497	,8839	,585A	1,629	2,192	4,935	7,801					
80	-3,79	-2,25	-,586	,7465	1,319	2,865	2,988	4,526	6,769					
100	-5,04	-2,11	-1,29	,4201	3,187	3,349	4,843	3,695	4,998					
125	-3,59	-1,66	,8284	1,828	1,625	2,833	3,149	4,898	6,159					
160	-2,28	-1,26	1,483	1,963	2,228	2,838	2,275	3,958	3,833					
200	-,887	-1,88	,1779	3,728	,8931	3,384	2,394	3,282	2,337					
250	-,131	-1,11	-,881	,6226	1,839	1,941	2,844	5,448	9,428					
315	1,259	-1,88	-,599	,6934	1,285	2,383	3,123	5,283	3,881					
400	1,630	-1,23	,8452	1,485	2,276	2,942	2,884	3,915	2,695					
500	-,838	-,715	,4989	1,811	1,848	2,998	3,469	3,919	2,986					
630	,7894	,4894	,9185	,8819	2,837	3,148	3,983	2,186	1,449					
800	4,765	,3873	-,147	,6447	1,921	2,698	2,468	2,189	-,511					
1000	3,415	1,363	,8816	1,128	1,159	1,928	3,885	1,444	,4866					
1250	4,848	2,281	,8498	,7982	1,958	2,632	2,412	,5488	-,932					
1600	2,779	1,829	1,783	2,826	1,488	2,888	3,414	-1,88	-1,81					
2000	1,954	1,928	2,872	2,528	1,658	1,814	4,178	-1,34	-2,84					
2500	3,872	,9256	1,779	2,738	1,998	3,818	2,973	-3,48	-2,19					
3150	2,688	,9186	-1,43	-,739	3,877	6,838	2,348	-4,83	-1,48					
4000	1,991	,8557	-1,82	-1,89	3,631	5,984	2,784	-4,86	-2,84					
5000	-,827	1,271	1,715	3,887	3,369	1,987	2,979	-3,87	-2,76					
6300	1,241	,9116	1,784	3,479	2,898	4,188	2,861	-4,87	-2,23					
8000	2,981	3,288	-1,34	,4364	3,829	3,718	2,736	-3,74	-,728					
10000	1,841	4,658	,8562	1,899	2,856	2,482	2,784	-3,28	-2,26					

AMBIENT TEMP, 31,88
WET-BULB TEMP, 29,80
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DMG OPEN T/D 2/17/70

RUN=13 RDG=155 SPEED=5750

D123

RADIAL DISTANCE 150

DATE: 3/03/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						71,57	69,89	71,25	72,12	72,18	71,36	72,78	74,44	76,84					143,8
63						69,78	68,05	71,47	71,33	71,38	71,49	71,47	73,93	75,85					142,2
80						68,42	66,85	70,13	70,26	70,78	71,32	71,96	73,32	74,89					140,6
100						69,81	68,28	70,42	70,66	70,61	70,48	71,83	73,32	74,71					139,7
125						66,96	66,19	68,78	69,61	69,78	69,77	70,19	71,82	72,61					137,8
160						64,43	65,68	69,48	70,28	70,27	71,88	69,87	70,88	71,22					136,6
200						64,45	62,14	65,52	66,02	66,48	67,25	67,35	68,86	67,78					134,2
250						65,19	62,91	63,33	64,07	64,85	64,81	64,81	66,97	67,71					134,5
315						70,51	68,32	68,97	69,31	69,07	68,59	69,88	71,19	69,71					131,3
400						71,96	70,17	71,48	71,93	72,88	72,81	72,64	73,83	72,47					134,1
500						71,63	71,67	72,69	74,85	73,97	73,86	73,14	73,82	72,88					138,9
630						71,29	70,29	71,57	72,86	72,72	74,22	73,36	74,14	73,86					138,1
800						74,56	75,06	73,28	73,92	74,99	73,78	73,38	74,93	73,17					137,8
1000						68,98	70,47	70,99	72,35	73,84	68,12	68,26	68,94	70,84					132,2
1250						62,22	68,98	70,17	68,18	68,24	61,30	61,22	70,85	71,24					138,9
1600						68,89	68,88	61,92	62,37	61,99	68,24	68,61	68,16	70,26					134,8
2000						68,86	68,61	61,59	62,48	61,49	61,89	63,37	70,88	70,87					134,8
2500						68,27	70,63	68,21	61,36	68,68	61,79	63,78	74,96	73,98					133,8
3150						66,61	65,69	64,43	64,86	68,61	61,88	68,69	63,16	64,89					140,3
4000						63,92	62,88	62,29	62,49	68,98	64,28	65,18	61,24	61,27					137,4
5000						61,48	63,34	62,82	64,59	63,26	63,27	66,18	68,91	70,12					139,4
6300						62,89	63,72	65,86	68,31	68,76	69,28	66,81	79,64	68,83					140,8
8000						61,61	62,69	78,88	79,69	63,51	62,48	63,37	77,84	76,49					136,7
10000						79,44	63,89	68,56	62,22	62,58	62,98	63,88	77,66	77,49					130,7
MEASURED OASPL						94,73	94,48	94,41	95,34	96,21	97,69	96,35	98,86	98,83					
CALCULATED OASPL						93,25	93,31	92,93	93,98	94,88	96,32	95,88	91,35	91,33					
PNDB						187,8	187,3	186,8	188,1	189,5	115,5	188,9	189,6	188,1					

OAPWL: 147,7

AMBIENT TEMP, 31,30
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN Y/D 2/17/70

RUN=13 RDG=157 SPEED=4999

D124

RADIAL DISTANCE 150

DATE: 3/03/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM NLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						.9042		-1.75		.5864	1.459	1.513	.7886	2.115	3.773	6.276		
63						-.833		-1.76		.6565	1.523	1.511	1.689	1.662	4.121	6.080		
80						-.862		-2.37		.9101	1.036	1.524	2.096	2.7[illegible]	4.102	5.672		
100						-.259		-.991		1.249	1.393	1.336	1.182	2.557	4.853	5.441		
125						-.735		-1.54		1.091	1.917	2.087	2.078	2.508	3.328	4.919		
160						-1.56		-2.36		1.492	2.213	2.284	3.094	1.886	4.016	3.220		
200						-.136		-2.45		.9281	2.036	1.865	2.689	2.767	4.269	3.195		
250						2.374		.8940		.5148	1.254	1.239	1.194	1.195	4.158	4.897		
315						2.973		.7824		1.426	1.771	1.534	1.848	1.464	3.646	2.174		
400						1.748		-.816		1.261	1.719	1.785	2.598	2.425	3.019	2.259		
500						-.414		-.379		.6498	2.004	1.923	3.014	3.093	3.572	2.289		
630						.2214		-.777		.5055	.9944	1.652	3.154	4.507	3.869	1.794		
800						5.145		1.619		-.159	.4874	1.551	2.345	1.947	1.496	-.269		
1000						2.861		.4816		.9524	1.304	.9946	2.079	4.222	2.499	-.005		
1250						3.531		2.296		.4824	1.495	1.551	2.704	2.534	.5567	-.452		
1600						2.022		.8939		1.898	2.347	1.972	2.416	3.589	.1354	-1.76		
2000						.8307		1.179		2.158	2.995	2.068	1.663	3.948	.0970	-2.56		
2500						1.803		.1618		1.737	2.891	2.213	3.315	3.307	-1.51	-2.52		
3150						1.263		.3534		-.989	-1.28	3.264	6.511	1.393	-2.18	-.494		
4000						1.786		.7437		.1643	.3671	3.852	4.086	2.990	-.889	-.863		
5000						-.427		1.435		1.912	2.685	3.351	1.368	4.194	-1.48	-2.79		
6300						-1.24		-.412		1.729	4.174	1.631	5.149	1.878	-4.49	-3.30		
8000						1.935		3.011		-1.59	-.029	3.632	2.888	3.700	-2.13	-.187		
10000						-.945		4.703		.4777	1.838	2.195	2.594	3.197	-2.72	-2.94		

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=157 SPEED=4999

RADIAL DISTANCE 150

DATE: 3/23/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.2	12.2	24.4	30.2	48.0	54.8	66.0	78.0	84.0	90.0	102.0	114.0	126.0	138.0	144.0	150.0	162.0	174.0	(PWL)
50						71,94		78,48		72,11	73,88	74,63	73,84	74,35	75,98	69,41			138,9
63						78,48		69,95		71,59	72,25	74,21	73,77	73,81	73,77	70,64			138,4
80						69,12		68,67		70,47	72,12	73,77	73,27	74,41	75,17	78,79			134,9
100						69,93		78,88		72,24	74,29	75,60	74,48	76,43	76,45	79,18			136,4
125						67,65		68,33		70,19	71,28	72,74	72,39	73,19	73,89	76,89			133,9
160						64,95		67,11		69,93	70,71	71,46	72,89	71,69	72,30	76,04			132,7
200						67,39		66,85		67,89	68,84	69,19	71,26	71,91	71,19	78,45			131,9
250						65,62		64,28		64,49	65,53	66,29	68,24	66,82	68,31	75,59			118,4
315						72,63		69,83		70,67	71,88	73,82	72,89	72,64	73,85	73,24			133,7
400						76,29		72,58		74,[illegible]	75,24	76,75	76,48	78,79	78,89	76,99			142,8
500						73,82		78,64		74,[illegible]	76,46	78,54	77,69	77,92	[illegible],19	76,79			146,4
630						72,85		78,62		72,99	73,57	74,58	76,89	77,31	78,91	76,88			144,5
800						79,68		75,59		75,89	75,71	76,58	77,35	77,16	76,19	78,88			150,9
1000						82,29		80,21		80,82	80,48	80,57	81,29	83,48	81,29	79,12			153,5
1250						84,24		82,78		81,43	81,97	82,36	83,72	83,49	80,96	80,38			155,8
1600						83,97		82,88		84,82	84,38	83,81	84,73	86,18	81,98	80,34			159,4
2000						83,36		82,89		83,89	84,72	83,67	83,44	86,19	81,29	79,14			158,9
2500						83,54		81,28		82,52	83,58	82,78	83,81	84,29	78,31	78,81			156,5
3150						89,15		88,25		88,58	88,53	88,72	90,39	90,62	84,78	86,19			168,4
4000						88,58		87,37		86,31	86,88	88,12	91,89	89,98	84,67	88,33			161,8
5000						84,39		85,66		87,13	88,29	86,89	86,11	88,48	81,14	81,38			168,3
6300						86,49		85,92		86,57	88,48	87,39	90,81	87,48	80,86	83,84			161,4
8000						86,39		86,22		85,83	85,74	87,86	87,44	86,74	80,98	83,34			160,7
10000						83,45		86,89		82,34	83,15	83,85	85,09	84,98	79,62	80,11			160,6
MEASURED OASPL						97,65		96,92		96,59	97,38	98,69	99,91	99,21	94,69	95,48			
CALCULATED OASPL						96,36		95,87		95,19	95,92	97,34	98,87	97,87	93,89	93,97			
ΔNDB						110,6		109,9		109,8	109,7	111,8	113,5	112,2	107,4	108,3			

OAPWL: 158,1

AMBIENT TEMP, 31,02
WET-BULB TEMP, 29,00
BAR, PRESSURE 28,76
ABS, HUMIDITY 3,41

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/72

RUN=13 RDG=156 SPEED=5900

D126

RADIAL DISTANCE 150

DATE: 3/23/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(OWL)
50						-,627	-2,17		-,465	,4318	2,857	,6686	1,779	3,489	7,837				
63						-1,58	-2,58		-,465	,1984	2,149	1,715	1,752	3,713	7,788				
80						-2,40	-2,86		-1,86	,5934	2,237	1,745	2,884	3,642	7,258				
100						-2,98	-2,84		-,676	1,386	2,782	1,487	3,514	3,538	6,191				
125						-2,72	-2,83		-,179	,9179	2,378	2,823	2,629	3,529	6,523				
160						-2,15	-1,99		,8494	1,683	2,295	2,993	2,588	3,295	4,934				
200						-,495	-,982		-,730	1,012	1,362	3,435	3,688	3,319	4,618				
250						,9726	-,369		-,158	,8803	1,658	1,998	2,177	3,664	5,947				
315						2,694	-,988		,7269	1,147	,8837	2,151	2,767	4,089	3,297				
400						2,946	-,757		1,838	1,899	1,412	3,148	2,488	2,892	1,484				
500						-,973	-,651		,2585	1,971	2,846	3,887	3,423	3,697	2,387				
630						,8182	-,223		,1466	,7275	1,737	3,284	4,472	3,868	2,835				
800						4,775	,7632		,2622	,8788	1,676	2,926	2,356	1,371	,1774				
1000						3,886	,9356		,7381	1,197	1,288	2,821	4,197	2,819	-,164				
1250						3,504	1,970		,6953	1,236	1,626	2,982	2,753	,2286	-,429				
1600						2,383	,8931		1,828	2,192	1,681	2,936	3,968	-,272	-1,83				
2000						1,469	1,824		2,833	2,855	1,799	1,973	4,332	-,949	-2,73				
2500						2,549	,4973		1,728	2,781	1,983	3,819	3,984	-2,48	-2,79				
3150						1,674	,7664		-,979	-1,95	3,238	5,916	3,141	-2,72	-1,18				
4000						1,961	,8333		-,227	-,463	3,583	4,718	3,382	-1,87	-1,21				
5000						-,396	1,821		2,351	3,464	3,283	1,328	3,693	-2,64	-3,48				
6300						1,184	,6138		1,264	3,179	2,889	4,718	2,143	-4,44	-2,26				
8000						2,730	2,559		-1,43	,8749	3,398	3,776	3,888	-2,69	-,319				
10000						1,161	4,685		,8920	,8667	1,571	3,682	2,697	-2,66	-2,17				

AMBIENT TEMP. 31,00
WET-BULB TEMP. 29,07
BAR. PRESSURE 28,75
ABS. HUMIDITY 3,741

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RUN=13 RDG=154 SPEED=5500

APPENDIX E

DATA FROM D/V III, IGV's 9° CLOSED

(REF. VOLUMF I SECTION V)

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

RPM	ANGLES FROM INLET 12.0	22.0	32.0	42.0	52.0	62.0	72.0	82.0	90.0	100.0	110.0	120.0	130.0	140.0	152.0	160.0	170.0	(PWL)
[illegible]			57.23	67.22	65.88	66.03	65.37	67.17	64.84	65.59	70.04	67.98	66.26	67.09	58.56			124.4
63			59.24	64.17	72.59	65.54	64.12	67.23	69.72	63.44	69.93	70.11	66.18	68.04	68.63			123.8
87			62.82	64.58	63.38	65.39	63.80	65.63	63.85	64.31	67.77	66.72	66.69	68.31	67.93			123.3
100			66.38	67.44	63.38	66.03	64.71	67.58	64.30	64.84	67.04	66.56	67.35	67.97	68.48			124.8
125			64.28	74.44	62.22	65.75	63.90	65.71	64.73	65.18	67.11	67.25	67.42	67.31	68.48			125.1
162			64.17	64.26	63.61	65.95	64.01	66.19	66.26	66.85	67.69	67.83	69.86	69.32	68.27			124.6
200			65.53	64.16	65.8[illegible]	64.61	64.30	65.81	66.17	65.89	66.48	66.30	68.17	68.44	67.82			124.8
25			63.19	62.79	62.71	62.21	61.33	63.53	64.18	63.88	64.68	63.46	66.41	66.88	66.32			121.9
315			65.33	64.87	64.26	63.38	62.52	62.86	63.95	61.83	64.68	62.47	63.99	62.74	64.62			121.8
40			64.27	64.46	63.95	63.93	60.73	62.38	60.66	59.31	63.27	64.44	61.52	63.81	64.39			121.2
500			66.54	66.83	66.14	66.88	63.79	65.81	61.98	60.96	61.45	64.23	63.89	63.59	62.79			122.7
630			68.49	70.34	68.11	69.53	67.98	68.54	66.27	66.28	66.73	66.31	68.44	66.77	64.19			126.3
800			68.25	70.78	67.72	69.74	67.87	68.93	68.93	69.07	70.99	70.35	71.44	68.67	67.39			128.2
1000			68.85	72.17	70.01	70.84	67.86	68.62	69.24	70.37	72.92	74.12	74.19	72.16	69.85			130.2
1250			73.50	75.73	73.83	72.97	69.99	70.11	68.39	68.77	69.48	72.79	72.33	71.14	68.73			130.8
1600			73.98	75.76	74.11	73.17	71.27	73.86	72.59	72.79	73.37	74.97	73.15	71.59	69.44			132.6
2000			72.34	74.87	74.49	73.77	68.43	69.48	69.61	71.96	73.34	76.55	74.17	71.55	68.41			132.2
2500			72.87	73.11	74.54	73.28	69.41	70.84	69.42	71.83	73.31	75.82	72.47	69.89	67.95			131.9
3150			82.74	82.85	79.25	84.35	80.07	79.42	79.53	81.28	84.98	79.28	77.71	78.39	75.96			141.3
4000			76.19	77.21	71.86	75.46	74.58	73.68	75.31	76.36	77.98	74.68	76.74	73.84	71.76			134.2
5000			73.08	75.51	72.69	71.99	69.59	71.04	73.29	73.58	74.81	78.69	77.76	78.89	78.28			139.3
6300			78.73	74.60	77.37	77.49	74.36	75.64	76.14	83.09	78.92	79.91	80.19	73.83	70.66			140.4
8000			72.65	73.99	71.17	71.87	70.23	70.87	71.04	72.53	73.82	72.21	76.19	70.96	69.84			139.9
10000			75.33	75.77	72.68	73.94	73.69	73.44	73.42	74.73	74.24	76.48	77.39	71.13	70.16			148.2
MEASURED OASPL			88.67	89.21	86.32	89.44	85.32	87.44	85.64	87.72	88.97	87.93	87.73	85.74	84.84			
CALCULATED OASPL			87.19	87.26	85.74	87.46	84.52	84.86	85.86	87.47	88.43	87.93	87.37	84.62	83.81			
PWLB			102.6	101.7	100.4	103.2	99.96	100.8	100.1	101.7	104.1	101.6	101.1	99.56	97.64			

OAPWL: 147.6

AMBIENT TEMP. 42.00
WET-BULB TEMP. 34.07
BAR. PRESSURE 29.19
AMB. HUMIDITY 3.480

FAN FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/73

FC =15 RUB=10% SPEED=5722

RADIAL DISTANCE 250

DATE: 2/25/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	22.5	32.5	42.5	52.5	67.5	72.5	82.5	92.5	102.5	112.5	120.0	132.5	140.0	150.0	160.0	170.0	(PWL)
50				,5975	,5939	-,748	-,502	-1,25	,5424	-1,79	-1,03	3,412	1,348	-,369	,4569	1,928			
63				1,116	-3,75	4,677	-2,38	-3,80	-,890	1,781	-4,49	2,813	2,187	-1,74	,1203	,7868			
80				-2,56	-,796	-1,99	,0178	-1,57	,2584	-1,52	-1,06	2,01	1,346	1,526	2,942	2,530			
100				,3832	1,442	-2,62	,0278	-1,28	1,586	-1,69	-1,15	1,843	,5579	1,348	1,971	2,487			
125				-2,67	7,485	-4,74	-1,21	-3,05	-1,25	-2,22	-1,77	,1586	,2991	,4601	,3559	1,927			
160				-2,20	-2,11	-2,76	-,418	-2,36	-,176	-,118	,4763	1,326	1,461	2,687	2,952	1,895			
200				-,047	-1,92	,1913	-1,87	-1,68	-,671	,4885	-,567	,0822	,6285	2,402	2,757	2,136			
25				-,287	-,684	-2,77	-1,27	-2,16	,0482	,6	-,479	1,199	-,024	2,929	2,519	2,839			
315				2,116	1,538	,8453	,0885	-,699	-,358	,78	-1,36	1,462	-,741	,7736	-,480	1,488			
400				1,744	1,931	1,421	1,87	-1,79	-,146	-1,87	-3,21	,7446	1,011	-,00	1,287	1,874			
500				2,638	2,924	2,229	2,172	-,122	1,895	-2,81	-2,95	-2,46	,3225	-,825	-,320	-1,11			
630				1,115	2,962	,7228	2,145	,5955	1,159	-1,11	-1,89	-,649	-1,87	1,862	-,611	-3,19			
800				-,833	1,698	-1,37	,6599	-1,20	-,152	-,151	-,811	1,914	1,272	2,364	-,403	-1,69			
1 K				-2,03	1,218	-,873	-,943	-3,03	-2,26	-1,65	-,520	2,828	3,229	3,299	1,276	-1,84			
125				2,177	4,486	2,586	1,650	-1,33	-1,22	-2,93	-2,55	-1,84	1,468	1,805	-,188	-2,59			
160				1,112	2,886	1,239	,3835	-4,60	,1919	-,285	-,879	,4963	2,181	,2738	-1,27	-3,43			
2 K				,0800	2,664	2,233	-1,49	-3,84	-2,78	-2,65	-,387	1,873	4,284	1,934	-,717	-3,85			
2500				1,135	1,375	2,807	1,471	-2,32	-1,69	-2,31	,0965	,5745	3,287	,7343	-2,64	-3,70			
3150				2,047	-,644	-1,44	3,649	-,623	-1,28	-1,17	,5866	4,280	-1,42	-2,98	-2,31	-4,74			
4000				1,148	2,162	-3,99	,4158	-,539	-1,37	,2613	1,318	2,933	-,361	1,697	-1,21	-3,29			
5000				-,776	1,662	-1,21	-1,15	-4,26	-2,81	-,559	-,347	,9688	4,843	3,908	-2,96	-3,57			
6300				,7887	-3,33	-,972	-,446	-3,58	-2,29	-1,79	5,159	,9772	1,966	2,260	-4,18	-7,28			
8000				,6829	2,218	-,881	-,983	-1,74	-1,13	-,935	,5521	1,849	,2360	4,221	-1,02	-2,93			
10000				1,282	1,723	-1,38	-,111	-,355	-,614	-,631	,6747	-,016	2,431	3,348	-2,92	-3,89			

E3

AMBIENT TEMP. 40.00
WET-BULB TEMP. 34.00
BAR. PRESS RE 29.16
ABS. HUMIDITY 3.480

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 0 DEG CLOSED T/D 2/23/70

RUN=15 RUN=16R SPEED=5700

RADIAL DISTANCE 250

DATE: 3/26/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.5	12.2	21.2	30.0	40.2	50.4	60.0	70.0	80.2	90.0	100.0	110.0	120.0	130.0	140.2	150.0	160.0	170.0	(PWL)
50				70,12	69,91	68,91	69,53	66,73	69,31	67,08	69,13	69,84	69,06	70,27	72,96	77,76			129,9
63				70,06	64,41	72,84	67,79	64,59	68,63	70,59	67,45	68,98	70,61	69,75	73,12	77,01			127,9
80				65,01	63,78	64,24	67,22	64,19	67,56	65,43	67,26	67,54	67,76	69,52	7_,74	75,65			125,9
100				68,49	66,46	66,36	68,32	66,18	69,63	66,91	69,44	68,98	69,59	71,87	72,84	75,49			127,4
125				66,42	74,18	63,37	67,28	64,69	67,95	66,49	67,25	67,95	68,81	69,11	70,74	73,61			126,7
160				66,51	63,88	63,83	66,48	64,49	67,75	66,24	67,55	68,35	68,89	69,17	69,89	71,83			125,4
200				68,14	64,59	66,35	66,60	65,41	67,75	67,53	67,75	67,53	67,75	69,17	70,42	70,82			125,8
250				66,15	61,96	61,65	63,80	61,48	65,09	63,85	64,04	65,17	62,48	65,22	65,66	66,83			122,3
315				67,99	63,87	64,98	64,55	62,52	64,35	64,39	62,49	64,88	62,27	63,26	63,52	65,84			122,4
400				67,47	64,97	66,25	66,34	63,44	64,72	63,13	60,32	63,86	65,06	63,37	65,57	65,15			122,9
500				69,78	67,85	67,89	68,46	66,17	68,19	65,60	64,41	65,26	66,14	67,69	66,61	64,85			128,4
630				71,68	71,29	69,69	70,89	69,32	70,34	68,92	68,81	70,37	69,00	70,83	69,73	66,84			126,5
800				72,17	72,35	69,43	71,08	69,08	70,79	70,89	70,48	72,33	71,64	72,21	70,41	69,29			129,8
1000				71,71	71,64	69,71	7_,28	67,87	70,27	69,44	70,71	71,87	72,87	72,62	71,36	68,39			129,8
1250				75,42	76,72	75,01	74,46	71,79	73,24	71,72	70,97	72,76	73,38	72,55	70,01	68,56			133,3
1600				78,18	77,92	76,17	75,14	73,27	74,31	74,72	75,47	75,01	76,97	76,35	72,89	70,96			134,8
2000				74,69	76,89	75,29	72,88	69,26	71,30	71,34	72,71	74,83	76,48	76,16	71,62	70,21			133,3
2500				75,44	72,95	76,19	72,62	70,78	70,17	71,88	73,79	74,48	74,49	72,97	67,86	68,25			132,9
3150				83,75	83,61	78,91	83,15	82,22	80,84	81,78	84,14	86,74	77,82	80,61	77,83	75,__			142,6
4000				81,55	82,29	74,49	80,39	80,08	78,86	80,33	81,83	84,56	77,88	80,09	76,72	74,72			141,2
5000				74,69	76,72	73,88	73,36	70,99	72,72	75,44	76,76	77,94	80,62	78,81	70,83	71,44			139,2
6300				77,49	75,29	76,61	76,88	73,25	75,27	74,29	78,71	78,68	88,26	77,88	72,52	69,97			136,9
8000				76,42	76,46	74,14	74,35	73,43	73,82	73,30	75,82	77,33	75,__	76,97	72,82	71,44			138,8
10000				76,31	74,61	73,82	74,12	74,28	74,65	73,31	76,02	74,52	75,77	76,87	72,14	70,71			140,4
MEASURED OASPL				91,79	90,91	88,41	91,31	88,26	91,20	88,84	90,18	91,48	89,19	89,62	89,31	92,51			
CALCULATED OASPL				89,21	89,20	86,31	87,99	86,78	86,76	87,15	88,95	90,77	88,19	88,41	85,76	86,20			
PNDB				104,3	104,1	100,1	103,3	101,9	101,7	102,2	104,1	106,0	102,2	102,7	99,87	98,41			

OAPWL: 140,9

AMBIENT TEMP. 40,00
WET-BULB TEMP. 34,00
BAR. PRESSURE 29,19
RES. HUMIDITY 3,487

FAN TAS/COMPRESSOR = PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=164 SPEED=5500

RADIAL DISTANCE 250

DATE: 9/ 6/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET																
RPM	5,2	12,2	21,2	30,2	41,2	52,2	60,2	70,2	80,0	90,0	100,0	110,2	120,0	130,0	140,2	150,2	160,2	170,0	(PWL)
5[illegible]				-,228	-,223	-1,22	-,882	-3,49	-,819	-3,05	-,999	-,288	-1,87	-,059	2,831	7,629			
6[illegible]				-,825	-5,69	2,747	-2,30	-5,49	-1,46	,5858	-2,64	-1,11	,5134	-,346	3,823	6,916			
[illegible]				-2,97	-4,21	-3,95	-,768	-3,79	-,429	-2,56	-,733	-,449	-,226	1,933	3,754	7,661			
[illegible]				-,891	-2,93	-3,23	-1,07	-3,21	,2370	-2,46	,8468	-,413	,1948	2,443	3,448	6,183			
1[illegible]5				-2,16	5,596	-5,21	-1,30	-3,89	-,633	-2,68	-1,33	-,627	,2327	,5343	2,158	5,235			
16[illegible]				-,663	-3,29	-3,34	-,889	-2,68	,5815	-,929	-,118	1,179	,9298	2,801	2,718	4,687			
[illegible]				,7239	-2,83	-1,25	-,817	-2,81	,3279	,1856	,3336	,1899	,3328	1,747	3,884	3,398			
25[illegible]				2,368	-1,88	-2,18	-,838	-2,36	1,251	,8889	,2812	1,328	-1,44	1,361	1,824	2,987			
3[illegible]5				4,125	-,282	1,114	,6793	-1,35	,4607	,5314	-1,38	1,813	-1,59	-,612	-,351	1,975			
42[illegible]				3,167	,8982	1,987	2,857	-,838	,4427	-1,15	-3,96	-,426	,7746	-,912	1,286	,8749			
5[illegible]				3,128	1,274	1,322	1,891	-,407	1,618	-,969	-2,16	-1,31	-,434	1,125	,8348	-1,72			
63[illegible]				2,137	1,751	,1495	1,359	-,222	,7989	-,621	-,731	,8315	-,938	1,298	,1871	-2,49			
8[illegible]				1,521	1,787	-1,22	,4339	-1,64	,1474	,2392	-,171	1,882	,9898	1,559	-,235	-1,36			
1[illegible]7				1,152	1,285	-,645	,7246	-2,69	-,284	-1,12	,1491	1,314	2,387	2,066	,8857	-2,16			
1252				2,595	3,595	2,161	1,639	-1,83	,4127	-1,11	-1,85	-,869	,5527	-,271	-2,61	-4,27			
1582				3,248	2,784	1,225	-,881	-1,87	-,825	-,419	,3265	,4789	1,829	1,213	-2,32	-4,18			
2[illegible]2				1,371	2,752	1,972	-1,31	-4,05	-2,81	-1,95	-,685	1,211	3,129	2,839	-1,69	-3,10			
2500				2,768	,2715	3,504	-,858	-1,98	-2,91	-,886	1,113	1,798	1,888	,2866	-4,82	-4,43			
3152				1,759	1,623	-5,88	1,159	,2249	-1,15	-,215	2,152	4,745	-4,17	-1,38	-4,16	-6,87			
4700				1,471	2,288	-5,59	,3888	-,881	-1,23	,2917	1,747	4,481	-3,81	,8123	-3,37	-8,37			
5282				-1,82	1,885	-1,84	-2,36	-4,72	-2,99	-,281	1,843	2,219	4,897	3,898	-4,89	-4,28			
53[illegible]				,9926	-1,22	,1192	,3916	-1,24	-1,22	-2,20	2,222	2,187	3,764	,5859	-3,97	-6,53			
6200				1,665	1,788	-,614	-,488	-1,33	-,936	-,952	1,862	2,975	1,848	2,217	-1,93	-3,32			
12000				2,827	,3331	-1,26	-,158	,8847	,3748	-,967	1,742	,2453	1,495	2,393	-2,14	-3,87			

AMBIENT TEMP, 40,00
WET-BULB TEMP, 34,00
BAR. PRESSURE 29,19
RH, HUMIDITY 3,480

FAA FAN/COMPRESSOR - PHASE 5B & 5C IGVS 9 DEG CLOSED T/D 2/23/78

[illegible]=5 RDG=1.6A SPEED=5502

RADIAL DISTANCE 250

DATE: 2/25/7

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	5,0	10,0	22,5	32,0	47,2	52,7	67,5	70,0	82,0	90,0	102,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0 (PWL)
5				68,57	67,58	67,27	67,29	65,63	67,72	66,36	67,13	68,51	67,63	69,27	71,68	76,66		126,5
63				69,67	65,25	72,82	66,16	65,00	67,45	70,44	66,43	69,81	69,94	69,12	71,63	75,91		127,3
8				64,62	64,48	64,41	65,89	64,72	66,96	66,09	66,28	67,77	67,98	69,59	71,35	74,58		126,6
12				67,99	68,58	67,45	69,34	68,98	70,62	68,63	70,28	72,18	71,99	73,47	73,45	74,65		128,7
125				65,92	74,12	63,85	66,02	65,79	67,72	67,02	67,95	68,89	69,49	70,24	71,29	73,57		127,8
16				65,24	64,16	64,29	65,31	65,63	67,31	67,18	67,64	69,25	69,87	70,23	70,76	71,69		125,9
200				67,61	64,37	66,48	66,42	67,26	69,45	67,78	68,00	68,63	68,88	70,79	71,44	70,87		126,6
250				64,49	61,34	61,23	62,00	62,52	64,45	63,73	64,48	64,98	63,22	66,96	67,00	67,74		122,6
315				66,00	63,61	64,67	62,62	63,23	63,63	64,07	62,99	64,78	62,73	63,99	63,59	66,32		122,2
400				64,38	64,25	65,11	64,19	62,26	63,94	62,46	61,88	63,19	64,74	63,32	65,64	65,26		123,1
500				67,21	67,21	68,16	67,34	66,68	68,22	66,16	66,84	68,89	66,62	68,83	66,26	64,73		125,4
630				70,47	71,45	71,84	70,55	70,29	71,34	69,69	70,59	72,09	70,52	71,54	69,56	66,24		129,2
8				71,83	73,52	71,36	71,24	70,65	70,92	70,93	71,23	72,69	72,96	73,35	70,93	69,63		130,4
1,0				71,23	73,81	72,85	71,29	68,49	69,41	69,28	70,75	71,83	73,15	73,86	72,97	69,98		130,3
125				72,29	74,06	74,88	73,61	72,89	73,23	73,50	72,81	73,98	74,87	72,26	70,91	69,69		132,3
160				77,46	78,91	78,13	75,54	74,59	75,27	75,37	76,39	76,41	78,19	76,79	72,86	70,79		135,6
200				74,35	75,87	76,41	72,18	70,67	71,99	72,58	74,02	75,38	77,81	76,43	73,86	70,55		133,9
250				74,92	74,61	77,56	74,91	71,37	72,39	72,48	75,84	75,42	76,34	74,16	69,54	68,88		134,2
315				80,79	79,29	75,86	80,11	79,18	79,69	79,82	81,62	82,59	79,57	77,87	75,62	72,85		139,6
400				85,72	85,25	79,39	84,45	85,12	85,66	85,97	85,87	87,49	78,98	83,66	81,31	78,84		145,4
500				74,74	76,77	75,52	74,01	71,36	74,85	78,21	77,39	78,56	79,95	79,59	71,99	71,81		137,9
630				75,74	73,95	76,92	76,08	73,99	75,14	74,76	78,63	78,31	79,34	76,88	71,66	68,93		138,4
800				77,96	77,63	77,13	78,21	76,76	77,22	76,62	79,24	81,18	78,17	77,31	75,45	72,87		141,4
1000				75,95	75,35	74,69	74,54	73,51	74,07	73,89	76,48	76,85	76,31	77,65	71,72	70,28		140,9
MEASURED OASPL				90,59	90,69	88,37	89,80	88,74	90,42	89,65	90,41	91,63	88,98	89,84	87,95	87,89		
CALCULATED OASPL				89,47	89,44	87,64	88,48	88,18	88,96	89,21	89,98	91,17	88,52	89,23	86,75	86,25		
P DB				105,0	104,9	101,8	104,0	103,8	104,7	104,9	105,4	106,7	102,2	104,3	101,8	100,1		
																	OAPWL:	139,8

INLET TEMP, 41,07
AMBIENT TEMP, 35,00
BAR. PRESSURE 29,19
AIR DENSITY 3,483

FAA FAN 700 PRESS X - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

ROW=15 BD=157 SPEED=5750

RADIAL DISTANCE 250

DATE: 2/25/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5				-.155	-1.14	-1.66	-1.43	-3.09	-1.01	-2.37	-1.59	-.213	-1.09	.3396	2.953	7.930		
63				.6357	-4.18	3.374	-3.27	-4.43	-1.95	1.006	-3.00	-.419	.5130	-.306	2.201	6.476		
8				-2.99	-3.14	-3.21	-1.73	-2.89	-.657	-1.53	-1.33	.1584	.3626	1.972	3.736	6.963		
100				-2.62	-2.23	-3.15	-1.27	-1.63	.0111	-1.98	-.329	1.570	1.379	2.865	2.837	4.036		
125				-2.93	5.262	-5.21	-2.83	-3.05	-1.14	-1.84	-.906	.0307	.6334	1.380	2.445	4.718		
160				-2.39	-3.47	-3.34	-2.32	-2.00	-.323	-.453	.0084	1.616	1.442	2.604	3.127	4.862		
200				-.597	-3.54	-1.72	-1.79	-1.15	1.239	-.426	-.204	.4216	.6749	2.578	3.228	2.661		
250				.3792	-2.78	-3.09	-2.12	-1.59	.3269	-.393	.3597	.8578	-.895	2.843	3.481	3.618		
315				2.421	.2272	1.217	-.959	-.352	.0496	.4836	-.585	1.194	-.853	.4058	.0028	2.734		
400				.9547	.8251	1.679	.7619	-1.16	.5158	-.968	-2.34	-.275	1.314	-.108	2.210	1.831		
500				.6677	.6635	1.614	.7968	.1336	1.674	-.381	-.499	-.655	.0786	1.488	-.286	-1.81		
630				.1739	1.149	.7445	.2572	-.011	1.048	-.602	.2995	1.795	.2252	1.245	-.737	-4.06		
800				.4927	2.183	.0268	-.791	-1.28	-.412	-.403	-.107	1.359	1.621	2.017	-.402	-1.70		
1000				.2427	2.819	-.938	.2989	-2.49	-1.58	-1.71	-.234	.0370	2.166	2.871	1.986	-1.01		
1250				-.741	1.227	2.244	.7756	.0631	.3965	.6698	-.025	1.069	1.239	-.575	-1.93	-3.14		
1600				1.519	2.972	2.188	-.399	-1.35	-.669	-.566	.4482	.4719	2.258	.8479	-3.88	-5.15		
2000				.4294	1.936	2.472	-1.76	-3.87	-1.94	-1.36	.8841	1.364	3.075	2.491	-.875	-3.39		
2500				.9611	.6504	3.608	.9527	-2.59	-1.56	-1.48	1.084	1.467	2.384	.2027	-4.42	-5.08		
3150				1.745	.2415	-3.19	1.053	.1299	.6380	.7675	2.566	3.492	-4.48	-1.18	-3.23	-6.20		
4000				1.444	.9737	-4.89	.1739	.8426	1.380	1.689	1.591	3.205	-5.29	-.621	-2.97	-5.44		
5000				-1.67	.3675	-.887	-2.39	-5.05	-1.56	1.807	.9851	2.149	3.542	3.182	-4.41	-4.59		
6300				-.264	-2.05	.9241	.0821	-2.01	-.861	-1.24	2.632	2.309	3.337	.8821	-4.39	-7.07		
8000				.5981	.2710	-.234	-1.35	-.599	-.141	-.744	1.884	3.790	.8098	-.048	-1.91	-4.49		
10000				1.245	.6375	-.017	-.168	-1.19	-.635	-.814	1.698	1.338	1.605	2.938	-2.99	-4.43		

AMBIENT TEMP. 41.22
ET-BULB TEMP. 35.02
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.483

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=167 SPEED=5757

RADIAL DISTANCE 250

DATE: 5/26/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	7.2	12.2	20.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2	(PWL)
50				71,77	71,52	68,65	67,51	66,18	68,39	66,92	68,53	69,28	69,36	73,59	74,79	78,52			128,6
63				71,44	68,88	72,89	66,42	64,97	68,45	70,28	67,58	69,79	71,85	73,23	74,46	77,66			128,7
80				68,61	67,99	65,06	66,29	64,79	68,14	66,75	67,32	68,67	69,36	73,16	73,67	75,37			127,2
100				71,61	70,47	68,52	69,11	69,59	72,01	69,59	70,12	70,72	72,34	75,37	76,02	76,07			129,8
125				69,23	74,78	64,99	66,86	66,57	69,47	67,97	68,97	69,78	70,78	72,34	73,26	74,68			126,3
160				67,33	66,54	64,45	65,89	65,84	68,91	67,68	68,18	69,99	70,13	71,92	71,96	72,81			126,9
200				69,52	67,58	66,27	66,48	66,17	71,34	68,97	68,29	69,21	72,53	71,91	72,99	72,10			128,8
250				65,49	63,87	66,74	61,19	62,02	66,41	64,29	65,27	66,55	65,25	68,74	69,77	70,39			124,8
315				67,55	66,29	65,65	62,39	62,39	65,35	64,18	63,85	66,09	64,26	65,58	69,57	68,82			123,3
400				69,99	67,84	67,74	65,66	63,44	66,55	63,13	60,61	63,75	66,29	63,81	66,76	68,15			124,2
500				71,17	70,85	69,89	69,37	68,83	69,39	66,49	65,67	69,17	67,81	68,29	66,52	66,74			126,7
630				72,61	72,36	71,21	71,59	71,03	72,04	70,16	70,16	71,43	70,24	71,79	68,89	67,98			129,6
800				72,25	72,26	69,23	70,48	72,49	71,74	71,78	71,69	73,58	73,33	74,26	70,61	70,87			130,6
1000				74,69	74,72	73,33	72,11	72,28	71,19	70,17	71,45	73,29	74,84	76,10	73,44	71,94			131,9
1250				77,09	77,59	76,36	75,94	75,51	74,85	73,88	72,59	73,78	75,67	75,45	73,86	72,26			134,2
1600				78,09	78,85	77,03	75,64	75,83	76,73	76,86	76,22	76,99	77,97	77,29	73,67	73,84			138,9
2000				76,74	76,44	76,64	73,64	73,26	73,72	73,84	74,21	76,16	76,68	77,82	72,87	72,35			138,8
2500				76,59	74,15	76,73	74,93	72,94	73,53	72,46	74,39	75,61	77,17	75,35	73,41	73,87			134,5
3150				80,53	78,79	74,37	76,68	76,43	77,95	77,16	76,33	80,69	74,75	76,79	74,29	73,09			138,8
4000				87,87	86,31	79,97	85,72	86,84	86,92	85,86	85,43	87,17	81,69	85,77	82,85	81,97			146,4
5000				75,36	75,74	74,75	74,11	73,82	74,33	76,27	76,26	78,41	80,54	79,57	72,15	73,39			137,6
6300				76,35	73,12	76,98	76,54	75,52	75,29	75,20	77,99	78,37	81,03	78,36	71,42	71,88			139,8
8000				77,98	76,31	76,84	74,58	76,91	75,79	74,99	75,55	81,23	77,25	78,51	75,66	74,61			148,7
10000				76,57	74,17	73,37	73,75	73,71	73,36	72,69	74,34	74,63	78,19	78,58	71,91	72,12			148,7
MEASURED OASPL				92,55	91,17	88,87	90,37	90,45	92,18	89,68	89,59	91,38	90,29	91,34	88,71	89,03			
CALCULATED OASPL				98,73	89,84	87,62	88,99	90,15	89,65	88,82	89,12	90,89	89,47	90,64	87,48	88,87			
P DB				186,4	185,5	182,2	184,8	185,9	185,6	184,7	184,8	186,5	183,9	185,9	182,5	182,3			

OAPWL: 150,4

AMBIENT TEMP, 41,02
WET-BULB TEMP, 35,02
BAR. PRESSURE 29,19
REL. HUMILITY 3,683

FAN FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/78

R. E15 RDG=16A SPEED=6000

RADIAL DISTANCE 250

DATE: 5/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 12,0	27,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50			,9517	,5975	-2,17	-3,31	-4,64	-2,43	-3,98	-2,29	-1,54	-1,46	2,773	3,969	7,698			
63			,5419	-2,01	1,985	-4,47	-5,92	-2,44	-,618	-3,32	-1,11	,1958	2,337	3,971	6,769			
80			-1,22	-1,24	-3,57	-2,94	-4,45	-1,09	-2,48	-1,91	-,550	,1873	3,926	4,442	6,142			
100			,1047	-1,24	-3,19	-2,59	-2,12	,2979	-2,12	-1,59	-,989	,6267	3,660	4,314	4,356			
125			-1,11	4,641	-5,14	-3,28	-3,57	-,669	-2,17	-1,17	-,354	,6147	2,199	3,128	4,541			
160			-1,38	-2,17	-4,22	-2,82	-2,66	,2854	-1,83	-,527	1,291	1,426	3,249	3,253	4,187			
200			-,142	-2,89	-3,39	-3,19	-1,49	1,669	-,694	-1,37	-,497	2,868	2,247	3,325	2,438			
250			-,892	-1,72	-4,85	-4,46	-3,57	,8155	-1,29	-,318	,9579	-,339	3,193	4,179	4,583			
315			2,769	1,587	,6675	-2,39	-2,36	,5717	-,596	-,931	1,274	-,519	,8812	,7911	5,226			
400			4,486	2,339	2,245	,1642	-2,86	1,849	-2,37	-4,89	-1,78	,7982	-1,69	1,261	2,648			
500			3,298	2,977	2,824	1,499	,1882	1,926	-1,39	-2,81	-2,71	-,889	,4825	-1,38	-1,14			
630			1,962	1,787	,5571	,9419	,3819	1,393	-,492	-,487	,7768	-,413	1,136	-1,76	-3,57			
800			,7143	,7288	-2,29	-1,85	-1,84	,2123	,1786	,1151	2,848	1,883	2,525	-,719	-1,46			
1000			1,453	2,881	,6937	-,929	-2,36	-1,45	-2,47	-1,19	,6569	2,198	3,459	,8817	-,697			
1250			2,375	2,869	1,634	1,215	,7868	,1283	-,837	-2,12	-,947	,9449	,7873	-1,66	-2,46			
1600			1,881	1,847	,8888	-,567	-,378	,5458	-,149	,8888	,7848	1,761	1,888	-2,83	-2,96			
2000			1,651	1,351	1,852	-1,45	-1,83	-1,37	-2,85	-,883	1,883	3,918	2,724	-2,22	-2,74			
2500			2,284	-,161	2,428	,6267	-1,36	-,778	-1,84	,8862	1,387	2,883	1,847	-3,69	-3,43			
3150			3,875	-,659	-3,89	1,148	,9726	,4884	-,287	1,871	3,836	-2,78	-,698	-3,16	-4,37			
4000			1,814	1,852	-5,29	,4659	2,785	1,659	,6859	,1767	1,989	-3,97	,5165	-3,21	-3,69			
5000			-,837	-,459	-1,44	-2,88	-2,38	-1,86	,8728	,8648	2,819	4,348	3,375	-4,84	-2,89			
6300			-,239	-3,46	,3864	-,847	-1,88	-1,31	-1,39	1,393	1,978	4,436	1,763	-5,19	-4,91			
8000			1,246	-,126	,1845	-2,15	,1785	-,932	-1,74	-1,16	4,497	,9638	1,779	-1,87	-2,89			
10000			2,854	-,344	-1,15	-,764	-,861	-1,16	-1,83	-,174	,1179	3,882	3,987	-2,61	-2,39			

AMBIENT TEMP.	41,0°
WET-BULB TEMP.	35,0°
BAR. PRESSURE	29,19
ABS. HUMIDITY	3,483

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=102 SPEED=6900

RADIAL DISTANCE 250

DATE: 1/ 6/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 12,0	24,0	30,0	42,2	54,0	66,0	78,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50			69,47	69,29	68,12	67,45	67,29	66,33	66,92	68,75	70,32	71,79	73,03	73,19	76,21		127,9
63			69,77	66,78	72,94	66,86	66,45	68,86	70,65	68,42	70,62	73,82	74,44	73,36	76,33		128,8
80			64,59	65,97	65,29	66,09	65,77	68,45	67,23	68,24	69,79	71,69	73,36	72,88	74,98		127,3
100			69,95	70,57	74,51	72,79	71,22	71,76	70,33	70,93	71,96	75,35	76,29	76,61	76,35		130,8
125			67,33	74,78	65,64	68,52	68,11	69,63	69,41	70,62	71,25	72,89	73,26	73,63	75,59		130,2
160			65,97	66,38	64,99	66,61	67,51	69,36	68,85	69,83	71,18	71,55	72,61	72,91	73,54		127,9
200			68,14	65,84	67,16	67,85	68,17	70,52	70,21	69,83	70,41	71,46	72,61	73,74	71,49		128,2
250			64,37	63,77	61,51	62,89	63,86	66,33	65,69	67,18	67,94	66,31	69,45	70,42	69,43		124,8
315			65,59	65,61	65,18	63,62	63,77	65,89	65,22	65,51	67,59	64,26	65,31	65,16	66,82		123,9
400			66,41	66,76	66,99	65,59	62,39	64,72	62,62	62,60	64,17	65,87	62,65	66,99	67,87		123,4
500			69,82	69,73	69,67	69,89	67,76	69,81	66,82	66,91	65,62	67,85	68,29	67,53	66,57		126,9
630			71,67	73,22	72,29	72,31	71,35	72,66	71,15	71,54	71,99	70,59	72,29	70,16	67,72		130,2
800			72,11	74,68	72,53	72,65	72,69	72,98	72,83	73,26	74,93	74,25	74,26	71,72	71,31		131,9
1000			71,28	74,21	72,11	72,57	70,63	72,87	71,84	73,76	74,28	75,33	75,11	73,99	72,16		130,1
1250			74,32	76,76	76,62	75,37	73,54	73,38	73,74	73,74	73,59	74,67	72,48	72,84	70,72		133,3
1582			77,78	80,44	79,21	77,44	76,43	76,85	76,78	77,88	77,99	79,86	77,48	71,86	71,79		136,9
2000			75,18	77,52	78,19	73,90	72,22	73,83	74,26	76,85	77,44	78,73	76,36	72,66	72,44		135,6
2500			76,13	76,14	78,46	75,77	73,11	73,99	73,92	76,39	77,01	77,48	74,49	70,49	70,87		135,4
3150			79,23	78,85	79,29	79,81	77,54	78,88	77,66	80,95	81,60	74,72	76,12	73,31	72,88		138,4
4000			84,18	87,88	79,64	84,89	85,97	85,31	84,79	87,88	92,20	83,84	84,76	81,34	80,55		147,2
5000			74,65	77,49	75,69	74,15	73,33	73,16	76,48	77,51	79,61	80,66	78,73	71,87	72,81		138,8
6302			75,99	74,63	79,42	78,55	76,38	77,23	76,68	80,58	79,34	83,38	78,73	71,48	71,33		140,7
8000			76,56	78,68	77,12	74,12	76,19	77,09	77,09	78,45	80,79	77,98	81,97	76,87	74,79		141,7
10000			75,71	75,85	73,79	73,91	74,45	74,34	73,92	75,89	75,69	80,26	78,23	71,82	71,76		141,5
MEASURED DASPL			89,86	91,99	89,35	90,52	89,63	90,96	89,69	92,83	94,44	91,37	91,18	88,62	88,65		
CALCULATED DASPL			88,85	90,66	88,54	89,88	88,97	89,16	88,86	91,22	94,06	90,91	90,61	87,43	87,45		
PNDB			104,3	106,3	102,4	104,6	104,6	104,8	104,5	106,9	109,9	105,3	105,5	102,1	101,6		
																OAPWL:	151,2

AMBIENT TEMP, 41,22
WET-BULB TEMP, 35,02
BAR, PRESSURE 29,19
ABS, HUMIDITY 3,483

FAN FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED 9/0 2/23/77

RUN=15 RLG=169 SPEED=8105

RADIAL DISTANCE 250

DATE: 3/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 1[illegible],0	22,0	31,5	4[illegible],0	52,0	62,0	70,0	80,0	90,0	102,0	110,0	120,0	130,0	140,0	150,0	160,0	171,0	(PWL)
50		-,722	-,579	-2,06	-2,72	-3,08	-1,85	-3,26	-1,42	,1443	1,689	3,451	3,016	6,838				
63		-1,13	-4,13	2,250	-4,85	-4,41	-2,85	-,258	-2,49	-,283	2,188	3,131	2,472	5,419				
80		-4,79	-3,41	-4,09	-3,29	-3,62	-,937	-2,15	-1,14	,4888	2,369	3,991	3,495	5,565				
125		-2,52	-2,19	-2,26	,0173	-1,55	-1,81	-2,44	-1,84	-,889	2,577	3,926	3,838	3,963				
125		-3,71	3,738	-5,38	-2,52	-2,93	-1,41	-1,63	-,419	,2861	1,856	2,224	2,593	4,546				
160		-3,65	-3,24	-4,63	-3,81	-2,11	-,265	-,775	,2683	1,481	1,932	2,992	3,292	3,922				
200		-1,73	-3,03	-2,71	-2,84	-1,69	,6493	,3393	-,244	,9412	1,989	2,748	3,864	1,614				
250		-1,95	-2,55	-4,81	-3,43	-2,44	,0106	-,623	,8592	1,628	-,814	3,134	4,103	3,113				
315		,7198	,6451	,2111	-1,34	-1,19	,1226	,2518	,5454	2,628	-,787	,3439	,1344	1,898				
400		1,741	2,491	2,329	,9283	-2,27	,8977	-2,85	-2,86	-,491	1,289	-2,81	2,331	2,485				
500		1,322	2,232	1,679	1,481	,8185	1,319	-,877	-,787	-2,87	,1985	,6038	-,168	-1,13				
630		,3764	1,726	1,182	1,914	,8558	1,366	-,142	,2495	,7862	-,994	,9997	-1,13	-3,58				
800		-,755	1,518	-,336	-,214	-,770	,1091	-,834	,3964	2,862	1,379	1,389	-1,15	-1,55				
1200		-1,66	1,151	-,754	-,289	-2,23	-,786	-1,22	,8952	1,415	2,465	2,254	1,125	-,603				
1250		,4752	2,926	2,784	1,932	-,296	-,455	-,161	-,097	-,242	,8265	-1,36	-1,59	-3,14				
1600		,6144	2,877	2,849	,8786	-,729	-,319	-,365	,7196	,8311	1,094	,3135	-8,31	-8,37				
2000		-,498	1,828	2,525	-1,77	-3,45	-1,55	-1,42	,3792	1,782	3,887	2,722	-2,82	-3,23				
2500		,9616	,9694	3,289	,5966	-2,07	-1,18	-1,25	1,215	1,837	2,279	-,719	-4,68	-4,29				
3150		1,389	,2049	-2,55	1,173	-,296	,2428	-,184	3,189	3,699	-3,13	-1,72	-4,95	-8,76				
4000		-1,86	,9638	-6,47	-1,14	-,868	-,726	-1,25	1,839	6,258	-2,19	-1,28	-4,78	-8,49				
5000		-1,98	,9164	-,877	-2,42	-3,24	-1,41	-,895	,9363	3,838	4,892	2,159	-4,78	-3,76				
6300		-2,22	-3,57	1,221	,3431	-1,82	-1,17	-1,68	2,342	1,138	5,182	,5288	-6,82	-4,88				
8000		-1,13	,9988	-,978	-3,57	-1,49	-,999	-,593	,7578	3,096	,2294	-,278	-1,62	-2,89				
10000		,3658	-,289	-1,56	-1,44	-,896	-1,01	-1,42	,9435	,9913	4,933	2,888	-3,92	-3,58				

E11

AMBIENT TEMP, 41,00
WET-BULB TEMP, 35,00
BAR. PRESSURE 29,19
ABS. HUMIDITY 3,683

FAA FAN/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 RUG=169 SPEED=6195

RADIAL DISTANCE 250

DATE: 3/06/71

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 17,7	2 ,7	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5?			72,51	72,28	71,41	69,66	68,25	71,77	71,64	74,12	74,66	72,89	73,81	74,56	77,44			138,2
63			70,93	71,74	74,48	70,89	68,68	70,95	73,06	73,54	74,38	73,75	74,07	75,46	78,84			138,9
8?			67,69	69,12	69,63	67,84	67,38	70,24	70,91	72,94	73,67	72,74	74,20	75,37	77,66			139,8
10?			71,38	71,91	71,49	71,49	71,53	72,85	72,35	73,34	74,59	76,99	78,19	78,47	78,62			138,4
125			69,47	75,02	68,52	69,81	69,42	70,99	71,29	72,94	73,87	74,83	75,87	76,48	77,78			141,2
162			68,15	67,79	66,69	67,33	68,24	70,28	70,75	72,23	73,48	73,19	74,98	75,48	75,19			139,8
20?			68,83	66,69	67,16	66,73	67,44	69,52	71,81	71,74	73,84	72,49	74,49	75,93	74,43			140,7
25?			66,58	64,29	62,49	63,45	65,14	67,41	68,17	69,78	70,76	69,48	72,20	73,59	72,76			137,3
31?			66,99	68,43	65,25	63,08	64,67	65,93	66,74	68,39	69,88	67,88	67,89	68,23	70,26			129,6
40?			67,99	67,28	67,23	64,86	62,87	64,54	63,25	65,51	67,59	69,34	66,81	70,25	70,31			128,3
50?			70,71	70,31	70,39	68,95	67,36	69,35	66,40	66,35	67,23	70,49	71,64	70,52	69,55			127,7
63?			73,23	73,87	73,89	72,78	71,91	73,64	71,95	71,89	72,52	72,84	75,13	72,71	70,21			131,3
80?			73,37	76,21	73,75	73,17	73,24	74,85	74,08	74,14	75,43	75,28	76,37	73,66	72,58			133,1
100			,,29	75,46	71,84	73,51	72,73	73,54	73,12	75,08	76,89	76,76	77,25	75,46	72,88			133,6
125?			,5,39	77,43	77,08	74,84	73,47	73,86	74,07	74,67	75,53	76,84	75,77	74,89	71,83			134,3
160?			78,76	81,78	80,64	78,84	77,26	78,12	77,64	77,82	78,11	80,64	79,38	74,89	73,48			139,9
200?			76,25	78,66	78,51	75,86	73,88	75,48	75,61	77,48	78,89	81,28	80,79	74,71	74,11			137,2
250?			76,77	77,47	79,62	77,11	74,88	75,50	75,28	77,52	77,91	79,55	77,96	72,84	72,47			134,9
315?			79,81	78,54	75,73	79,86	78,34	79,26	79,89	82,12	82,48	76,66	76,44	75,95	73,68			139,5
400?			84,55	86,84	80,35	84,19	85,97	86,44	89,64	92,57	91,85	87,55	86,73	84,29	82,43			148,9
500?			76,27	79,19	75,99	75,58	75,17	77,85	79,25	80,31	81,38	82,78	81,62	75,51	75,31			148,2
630?			77,29	75,84	78,57	79,81	78,12	79,78	77,84	83,24	82,13	85,53	80,33	74,15	72,85			148,5
800?			78,16	79,73	77,28	76,87	76,32	78,43	78,45	80,15	82,16	78,69	83,62	77,88	76,35			145,1
1000?			76,97	76,73	74,44	76,28	75,39	76,16	75,69	78,51	78,31	81,79	81,88	74,97	73,48			148,5
MEASURED OASPL			91,47	93,73	90,89	90,46	90,88	91,89	92,49	94,97	94,83	93,56	93,24	90,89	90,53			
CALCULATED OASPL			89,75	91,38	89,22	89,44	89,51	90,50	92,02	94,62	94,43	93,19	92,69	89,91	89,35			
PNDB			105,1	106,8	103,1	104,6	105,2	106,1	107,9	110,4	110,3	108,1	107,6	104,8	103,9			

OAPWL: 152,8

AMBIENT TEMP, 41,02
WET-BULB TEMP, 35,27
BAR, PRESSURE 29,19
ABS, HUMIDITY 3,483

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 RDG=17? SPEED=6450

E12

RADIAL DISTANCE 250

DATE: 3/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
52				-1,91	-,131	-2,81	-2,75	-4,17	-,648	-,777	1,783	2,185	-,327	,5925	2,148	5,027			
63				-2,28	-1,28	1,467	-2,92	-4,33	-2,86	,0438	,5227	1,364	,7365	1,052	2,446	5,029			
80				-4,72	-2,69	-2,19	-3,98	-4,44	-1,58	-,913	1,125	1,847	,9235	2,385	3,952	5,239			
100				-3,21	-2,49	-2,89	-2,92	-2,86	-1,55	-2,84	-1,05	,2855	2,602	3,802	4,483	4,231			
125				-3,55	2,225	-4,49	-4,00	-3,59	-2,23	-1,71	-,073	,8577	1,820	2,858	3,464	4,765			
160				-3,42	-3,78	-4,88	-4,24	-3,33	-1,29	-,823	,6022	1,913	1,629	3,415	3,882	3,827			
200				-2,47	-4,61	-4,14	-4,57	-3,86	-1,78	,5143	,4382	1,739	1,195	3,188	4,636	3,131			
250				-2,34	-4,55	-6,35	-5,39	-3,69	-1,43	-,668	,9348	1,919	,5631	3,363	4,747	3,924			
315				-,079	1,356	-1,99	-4,00	-2,42	-1,14	-,342	1,323	2,802	,8087	,8233	1,151	3,185			
400				1,379	,6675	,6159	-1,75	-3,74	-2,97	-3,36	-1,16	,9797	2,727	,2826	3,645	3,763			
500				1,840	1,441	1,523	,8861	-1,50	,4799	-2,46	-2,52	-1,63	1,628	1,778	1,655	,6853			
630				,8629	1,507	1,519	,4174	-,459	1,274	-,415	-1,27	-,849	-,328	2,747	,3487	-2,15			
800				-,669	2,167	-,389	-,869	-,881	,0128	,8424	,8938	1,386	1,238	2,327	-,387	-1,46			
1000				-1,99	1,174	-2,45	-,782	-1,56	-,747	-1,17	,7188	1,797	2,474	2,956	1,173	-1,41			
1250				,5633	2,626	2,259	,8159	-1,35	-,968	-,758	-,159	,7827	2,819	,9459	-,725	-2,99			
1600				,4824	3,422	2,356	-,242	-1,02	-,197	-,637	-,456	-,178	2,362	1,898	-3,39	-4,79			
2000				-1,61	1,395	1,254	-2,19	-3,38	-1,78	-1,65	,1424	1,438	3,943	3,931	-2,95	-3,15			
2500				,8764	,7824	2,935	,4173	-1,89	-1,19	-1,49	,8259	1,219	2,868	1,273	-3,85	-4,22			
3150				,8873	-,379	-3,19	,9484	-,984	,3437	,1755	3,195	3,933	-2,26	-,484	-3,37	-3,24			
4000				-3,22	-,925	-2,42	-3,57	-1,79	-1,33	1,673	4,797	4,875	-,223	-1,84	-3,48	-3,34			
5000				-2,46	,4551	-2,74	-3,23	-3,56	-1,66	,5237	1,988	2,651	,845	2,886	-3,83	-3,42			
6300				-2,88	-4,26	-1,52	-1,88	-1,97	-,318	-2,26	3,139	2,834	5,438	-,865	-6,95	-7,25			
8000				-,875	,6898	-1,76	-2,16	-2,72	-,683	-,591	1,189	3,12	-,339	4,503	-1,16	-2,68			
10000				-,372	-,689	-2,92	-1,86	-1,95	-1,18	-1,64	1,171	,9749	4,458	3,736	-2,37	-3,86			

AMBIENT TEMP, 41,00
WET-BULB TEMP, 35,00
BAR, PRESSURE 29,19
ABS, HUMIDITY 3,683

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 RDG=172 SPEED=6450

RADIAL DISTANCE 250

DATE: 3/ 6/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7,5	12,6	2 ,?	30,0	40,0	52,?	62,5	70,0	80,2	90,0	100,0	110,?	120,0	130,0	140,0	150,?	160,0	170,?	(PWL)
5				72,93	77,25	74,89	70,94	68,37	69,42	69,71	71,02	72,46	71,65	73,01	74,92	78,18			130,3
63				71,19	75,65	76,58	78,55	68 68	70,43	72,09	71,14	72,42	73,89	74,21	79,66	78,49			131,1
8				67,09	73,46	73,46	68,92	65 31	69,73	69,94	70,89	71,92	72,89	74,78	76,05	77,98			130,1
12.				70,98	73,88	73,64	73,29	71,..	73,64	7.,62	72,81	73,49	75,49	76,65	77,72	78,42			132,1
125				70,72	76,32	72,51	72,11	70,56	72,74	71,77	72,77	73,87	75,26	76,39	77,32	78,81			131,9
160				68,22	73,72	74,29	68,82	68,79	71,21	71,15	72,12	73,52	73,68	75,25	75,63	75,58			130,3
200				69,46	69,79	72,34	58,37	68,55	70,33	71,53	72,08	72,49	72,12	74,77	75,91	74,14			130,9
250				67,85	67,92	66,77	65,81	66,56	68,56	69,09	70,20	70,84	68,89	71,99	72,71	71,68			127,4
315				66,41	67,84	66,35	64,31	65,14	66,72	67,81	68,62	68,59	67,68	66,34	66,84	68,17			125,4
400				64,99	68,80	67,67	65,52	62,39	64,91	65,02	65,51	66,05	69,18	66,61	70,41	70,37			125,5
500				68,21	69,45	70,59	68,66	66,32	68,79	67,86	67,38	68,47	70,74	73,78	71,26	69,85			127,9
630				72,39	73,.0	74,37	73,80	71,52	74,22	72,00	72,63	74,37	74,85	76,75	74,46	71,49			132,3
800				74,75	76,84	75,51	74,15	73,76	74,39	74,63	74,98	76,46	76,28	77,81	74,55	73,64			134,8
1'00				76,63	78,98	75,59	75,17	73,81	74,89	75,09	75,34	74,85	75,59	75,66	74,91	72,45			134,2
1250				74,73	77,19	74,82	74,28	72,42	73,24	74,24	74,69	73,69	77,47	76,94	73,14	71,18			134,1
1600				76,88	79,89	80,31	76,69	77,78	78,25	78,14	78,69	79,86	81,87	81,97	76,59	74,38			138,5
2000				78,40	82,55	81,56	76,96	75,45	76,17	76,92	77,66	77,65	80,14	78,92	75,21	74,41			137,7
2500				77,16	76,73	79,34	77,92	75,25	76,18	75,57	78,34	78,75	81,86	79,23	72,57	72,37			137,5
3150				80,35	78,98	76,99	81,38	79,23	79,56	79,32	82,33	82,37	78,83	78,59	75,68	73,73			136,9
4000				84,48	87,39	81,49	85,83	86,54	85,14	87,48	88,51	90,42	86,56	86,41	83,26	83,25			147,5
5000				77,29	80,26	77,19	77,75	77,11	77,89	78,81	80,25	81,89	83,62	82,67	75,98	75,91			140,9
6300				77,37	76,83	79,18	80,65	79,29	80,15	77,60	84,86	81,69	85,48	81,12	74,53	72,92			143,2
8000				76,85	80,33	77,36	79,82	76,83	77,82	79,18	80,29	82,35	78,47	85,90	78,18	76,63			145,9
10000				76,77	76,54	74,31	77,24	75,85	76,53	75,69	78,17	79,89	82,28	82,36	75,78	73,84			143,9
MEASURED OASPL				91,29	93,69	91,62	91,87	90,97	91,39	91,61	93,34	94,18	93,63	93,78	90,95	90,57			
CALCULATED OASPL				89,92	92,13	90,26	90,87	90,16	90,22	91,11	92,82	93,75	93,23	93,34	89,88	89,71			
PADE				185,1	187,5	184,2	186,1	185,2	185,5	186,8	188,2	189,9	187,8	187,8	184,4	183,9			

OAPWL: 192,7

AMBIENT TEMP, 41,02
WET-BULB TEMP, 35,22
BAR. PRESSURE 29,19
REL. HUMIDITY 3,483

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED 9/6 2/23/77

RUN 15 RUN 171 SPEED=6680

RADIAL DISTANCE 250

DATE: 5/26/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,7	12,0	22,0	3.,?	4?,2	52,2	64,2	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
52					-1,64	4,525	2,322	-1,64	-4,20	-3,16	-2,86	-1,56	-,926	,923	,4331	2,339	5,606		
63					-2,64	2,426	3,356	-2,68	-4,55	-2,79	-1,14	-2,89	-,887	,6597	,9762	2,631	5,266		
80					-5,.?	1,290	1,283	-3,25	-4,86	-2,44	-2,23	-1,29	-,253	,7267	2,695	3,881	5,705		
100					-3,63	-,137	-,376	-,717	-2,71	-,369	-2,19	-1,21	-,564	1,478	2,637	3,702	4,389		
125					-3,12	2,477	-1,33	-1,73	-3,27	-1,10	-2,07	-1,07	,8333	1,419	2,559	3,484	4,176		
160					-3,67	-1,37	-1,79	-3,27	-3,29	-,878	-,935	,0349	1,433	1,515	3,165	3,739	3,498		
200					-2,11	-1,79	-1,25	-3,21	-3,83	-1,25	-,041	,4298	,9175	,5491	3,193	4,331	2,565		
250					-1,14	-1,87	-2,22	-3,18	-2,43	-,433	,1061	1,215	1,856	-,899	3,886	3,729	2,689		
315					-,432	1,302	-,491	-2,53	-1,70	-,138	,9739	1,785	1,754	,8356	-,497	,0033	2,334		
400					-1,79	2,322	,6923	-1,26	-4,39	-1,87	-1,76	-1,27	-,731	8,322	1,852	3,434	3,591		
500					-,968	,2727	1,422	-,916	-2,85	-,398	-2,12	-1,87	-,709	1,562	4,607	2,868	,3758		
630					-,929	-,122	1,842	-,269	-1,90	,6914	-,724	-,699	1,843	,7266	3,419	1,132	-1,84		
800					-,168	1,923	,6999	-,761	-1,15	-,916	-,281	,8693	1,548	1,378	2,188	-,364	-1,08		
1000					1,271	3,939	,6365	,2109	-1,16	-,862	,1351	,3822	-,111	,6258	,7812	-,848	-2,51		
1250					,1324	2,397	,2128	-,926	-2,18	-1,36	-,388	,8917	1,897	2,869	2,342	-1,46	-3,42		
1600					-1,94	,8728	1,497	-,683	-1,84	-,872	-,679	-,118	1,841	3,858	2,789	-2,23	-4,92		
2000					,6449	2,756	3,383	-,794	-2,38	-1,59	-,835	-,898	-,189	2,388	1,162	-2,55	-3,35		
2500					-,168	-,686	2,886	,9844	-2,88	-1,15	-1,76	1,884	1,414	3,726	1,896	-4,76	-4,96		
3150					,9768	-,472	-2,38	2,888	-,144	,2867	-,851	2,959	3,199	-2,94	-,774	-3,69	-3,65		
4000					-1,98	1,212	-4,89	-,959	,1528	-1,24	1,895	2,127	4,039	,1739	,8217	-3,18	-3,13		
5000					-2,25	,7198	-2,35	-1,79	-2,43	-1,84	,2747	,7363	3,351	4,878	3,132	-3,56	-3,63		
6300					-3,35	-4,68	-1,54	-,863	-1,42	-,568	-3,11	4,161	,9846	4,961	,4062	-4,18	-8,69		
8000					-1,82	,4974	-2,51	-,857	-3,84	-2,05	-,689	,4212	2,462	-,398	6,834	-1,71	-3,24		
10000					-1,86	-1,29	-3,52	-,997	-1,98	-1,31	-2,14	,3319	1,259	4,449	4,524	-2,13	-3,99		

E15

AMBIENT TEMP, 41,00
WET-BULB TEMP, 35,00
BAR, PRESSURE 29,19
ABS, HUMIDITY 3,683

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/78

RUN=15 RUG=171 SPEED=6600

RADIAL DISTANCE 250

DATE: 2/26/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				72,09	75,33	75,43	70,39	68,98	70,43	70,91	72,34	72,71	72,62	74,10	76,39	79,46			138,9
63				73,72	74,91	76,71	70,80	69,15	70,43	72,79	71,97	72,99	73,92	74,66	76,60	79,75			139,6
80				68,57	72,79	73,27	70,04	68,17	70,76	70,86	71,85	72,95	73,38	73,38	77,06	78,88			138,9
100				70,94	73,53	72,92	73,05	71,99	72,94	73,28	73,69	74,19	75,45	76,89	78,36	79,79			142,5
125				75,05	77,26	74,99	77,48	76,95	76,23	76,69	75,69	74,66	76,28	78,78	78,87	79,98			154,7
160				70,07	71,62	68,51	70,18	69,92	71,94	71,59	72,73	74,75	77,94	76,28	76,95	76,95			151,3
200				70,74	70,69	68,64	69,38	69,14	71,12	71,59	72,76	73,79	75,92	75,66	77,29	75,24			138,9
250				68,96	69,18	65,22	67,07	67,35	70,66	69,63	71,76	71,91	70,87	73,99	74,81	73,24			129,1
315				69,48	71,25	67,85	66,92	65,87	67,89	68,21	70,22	71,89	69,65	69,22	69,49	71,83			127,4
400				69,46	71,26	69,62	67,74	64,69	66,18	65,12	66,62	67,82	70,61	68,63	71,19	71,82			128,9
500				72,65	73,48	73,64	71,39	69,75	70,79	69,07	67,99	68,36	72,92	73,42	72,23	78,81			129,9
630				75,34	76,28	75,51	75,55	73,79	75,61	75,13	74,67	76,08	74,43	77,48	75,46	71,79			133,9
800				75,61	77,45	74,85	74,78	74,41	75,92	76,14	75,82	77,52	77,14	78,26	75,81	74,93			134,9
1000				74,93	76,87	73,27	74,39	72,66	74,83	74,58	74,57	75,59	73,08	78,01	77,05	74,57			134,4
1250				75,64	78,88	76,13	76,80	75,88	74,91	74,96	75,37	75,73	77,58	75,97	74,71	73,24			135,2
1600				82,26	83,24	81,79	79,59	78,66	79,56	79,42	79,41	79,32	82,49	80,99	75,18	73,71			139,4
2000				77,55	80,26	80,12	76,33	74,61	77,32	76,78	77,74	78,26	82,79	81,69	75,96	74,66			138,3
2500				78,63	78,91	81,84	78,58	76,06	77,35	77,20	79,13	78,92	81,31	78,24	73,12	73,09			136,3
3150				80,84	79,77	76,92	81,85	79,33	80,66	80,28	83,12	82,85	78,78	78,82	76,14	73,92			146,5
4000				84,35	88,38	85,34	87,15	87,38	86,48	87,01	88,09	91,45	88,86	87,49	82,95	84,82			148,5
5000				80,31	84,59	82,84	82,85	82,61	84,19	83,36	83,67	86,98	86,77	85,27	79,88	81,10			145,1
6300				78,61	77,11	79,87	79,72	78,42	80,48	78,82	83,27	81,17	85,33	80,14	74,36	72,19			142,7
8000				78,48	80,34	78,23	78,88	76,76	79,49	80,86	80,54	82,46	80,74	84,42	76,01	75,44			143,9
10000				76,45	79,03	76,75	78,14	76,65	78,83	79,59	79,92	80,54	82,88	84,19	75,88	75,21			149,5
MEASURED OASPL				92,59	95,19	92,24	93,22	91,79	93,89	92,46	93,65	95,32	95,06	94,39	91,57	92,05			
CALCULATED OASPL				96,91	93,34	92,28	91,95	91,27	92,68	92,05	93,11	94,94	94,62	94,84	90,59	91,17			
PWLB				135,8	136,6	135,5	107,3	105,8	108,2	107,3	108,4	110,5	109,5	108,7	104,7	105,4			

OAPWL: 153,8

E16

DRY BULB TEMP,	41,27
WET BULB TEMP,	35,87
B.P. PRESS SE	29,19
RHS, HUMIDITY	3,483

FAN RPM /COMPRESSOR - PHASE 36 + 70 IGVS 9 DEG CLOSED T/D 2/23/72

RADIUS SURFACE SPECIFICATION

RADIAL DISTANCE 252

DATE: 5/ 8/73

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 5.0	10.0	22.0	30.0	40.0	52.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				71,56	72,88	72,96	73,07	70,76	73,75	70,96	73,25	73,53	72,86	74,84	77,11	80,84			131,6
63				72,23	71,91	74,93	72,88	71,36	73,88	72,69	72,67	73,59	74,62	75,82	76,12	81,34			132,3
80				68,61	70,82	72,29	72,18	69,75	74,35	71,35	73,28	74,28	74,65	76,32	76,20	80,28			131,9
100				69,47	72,24	71,12	73,73	71,79	75,72	72,97	74,49	74,88	76,21	77,72	79,64	81,13			133,3
125				74,24	78,38	76,66	79,59	77,19	79,65	77,88	76,75	75,69	77,87	79,16	79,62	82,89			136,1
160				69,88	71,82	69,51	72,28	70,61	75,65	72,60	74,28	75,66	75,66	77,22	78,41	78,75			132,7
200				72,50	71,33	68,77	71,73	70,01	75,07	72,43	74,22	74,39	74,48	76,65	78,02	76,12			131,9
250				70,33	70,47	67,39	70,65	68,23	75,18	70,89	73,27	74,73	71,50	75,09	75,82	74,84			130,8
315				68,40	71,37	66,77	70,25	66,56	73,27	68,45	70,44	71,17	70,89	69,68	71,91	72,55			128,7
400				70,62	72,48	70,29	72,41	67,17	73,78	67,38	68,36	68,92	73,75	70,48	74,85	74,19			129,9
500				74,84	76,51	75,61	74,20	73,27	76,18	72,61	72,32	70,12	74,44	75,48	73,51	73,29			132,3
630				74,94	77,65	75,34	77,79	75,18	78,97	75,39	75,51	75,11	75,65	78,37	76,55	72,99			135,0
800				75,75	78,57	75,93	77,12	76,17	78,77	77,38	77,69	78,56	78,21	79,78	77,11	75,75			136,4
1000				75,34	78,33	73,99	76,51	73,83	77,71	75,88	76,33	77,62	78,82	78,99	77,68	75,87			135,0
1250				76,59	79,39	77,99	78,21	76,52	78,42	75,89	75,48	76,88	78,88	76,66	75,22	73,96			136,2
1600				79,79	82,69	81,45	80,21	79,19	80,99	79,85	79,84	80,28	81,28	81,56	76,18	74,55			139,6
2000				77,76	80,57	80,35	77,66	75,91	78,36	77,21	78,07	79,55	81,75	82,85	76,81	75,24			138,6
2500				78,42	79,03	81,68	79,55	76,92	78,55	77,63	79,36	79,88	80,22	77,84	73,54	73,34			138,5
3150				82,05	80,86	77,79	82,85	81,45	82,32	82,03	84,08	84,88	77,69	79,54	77,00	75,32			141,9
4000				84,76	86,47	82,83	86,07	88,68	90,28	89,02	86,75	89,81	85,51	86,46	80,93	82,31			140,1
5000				85,49	87,93	85,99	87,95	91,15	93,24	91,26	86,44	90,41	88,91	89,23	82,46	84,62			150,5
6300				82,19	78,71	81,26	81,68	80,16	81,21	80,37	84,23	84,13	85,22	81,27	75,82	74,61			143,9
8000				79,93	80,77	78,86	79,35	79,82	80,43	81,75	81,16	84,18	79,96	82,38	77,04	76,78			144,4
10000				81,50	81,19	79,44	81,87	79,46	81,34	83,07	82,23	83,07	82,83	86,47	78,19	79,35			147,9
MEASURED OASPL				93,25	95,56	92,39	94,96	94,39	97,99	94,88	94,29	95,74	94,58	95,05	92,59	93,30			
CALCULATED OASPL				92,27	93,82	92,25	93,71	94,67	96,69	95,19	93,76	95,84	94,39	95,07	91,46	92,46			
PNDB				106,6	108,3	106,7	108,3	109,4	111,6	109,9	108,3	110,4	109,0	109,9	104,7	105,6			

OAPWL: 155,6

AMBIENT TEMP, 42,00
WET-BULB TEMP, 34,00
BAR. PRESSURE 29,19
ABS. HUMIDITY 2,903

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 5 DEG CLOSED 4/F 23/70

RUN=15 RUN=17 SPEED=7100

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	30,0	40,0	50,0	60,0	70,0	80,	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
	-2,13	2,112	2,228	-2,82	-4,24	-2,75	-2,30	-,875	-,502	-,597	,8864	3,177	6,242			
	-,639	1,157	2,955	-2,96	-4,60	-3,33	-,958	-1,79	-,769	,2416	,8982	2,846	5,994			
	-4,32	-,111	,3227	-2,84	-4,73	-2,14	-2,04	-1,05	,8469	,7886	2,478	4,156	5,979			
	-3,45	-,885	-1,49	-1,37	-2,43	-1,48	-1,22	-,723	-,315	1,836	2,472	3,939	5,373			
	-1,45	,7174	-1,56	,9365	,3998	-,319	,1491	-,846	-1,89	-,261	2,157	2,323	3,432			
	-2,95	-1,43	-4,54	-2,87	-3,13	-1,12	-1,45	-,321	1,698	1,888	3,150	3,982	3,896			
	-1,77	-1,83	-3,87	-3,15	-3,37	-1,39	-,918	,2485	1,272	1,487	3,142	4,779	2,729			
	-1,71	-1,49	-4,44	-2,69	-3,32	-,887	-1,04	1,096	1,248	,2033	3,324	4,148	2,579			
	,2435	2,412	-1,79	-1,92	-2,97	-,941	-,634	1,379	2,249	,8868	,3848	,6503	2,965			
	,219	2,821	1,379	-,583	-3,54	-2,86	-3,12	-1,62	-,419	2,368	-,213	2,946	3,582			
	,596	2,428	2,588	,3483	-1,30	-,859	-1,98	-3,06	-2,69	1,867	2,371	1,183	-,244			
	,3834	1,325	,5523	,5626	-1,16	,0497	,1792	-,288	1,127	-,527	2,448	,5073	-3,17			
	-,195	1,639	-,961	-1,83	-1,41	,1282	,3329	,0892	1,788	1,328	2,447	-,004	-1,29			
	-,823	1,648	-1,89	-,772	-2,49	-,323	-,574	-,589	,4402	2,918	2,849	1,890	-,586			
	-,771	3,161	2,417	,8848	-,633	-,803	-,754	-,651	,8178	1,785	,2574	-1,01	-2,48			
	,4967	3,479	2,848	-,169	-1,18	-,199	-,340	-,349	-,438	2,737	1,227	-4,58	-6,85			
	-,827	1,968	1,764	-2,82	-3,74	-1,83	-1,57	-,612	-,892	4,441	3,339	-2,49	-3,69			
	,5297	,8092	2,941	,4889	-2,64	-,751	-,899	1,832	,8221	3,214	,1348	-4,98	-5,01			
	,9274	-,141	-2,99	1,143	-,580	,7485	,3671	3,215	2,941	-1,21	-1,89	-3,77	-8,99			
	-3,61	,9394	-4,02	-,213	-,260	1,119	-,354	,7258	4,888	1,494	,1357	-4,42	-2,84			
	-3,34	,9498	-2,79	-,795	-1,04	,5378	-,286	,0229	3,327	3,121	1,619	-3,77	-2,55			
	-2,23	-3,13	-,373	-,524	-1,62	,2438	-1,42	3,831	,9269	5,891	-,227	-9,88	-8,05			
	-1,37	,4962	-1,62	-1,77	-3,09	-,350	1,012	,6964	2,617	,8897	4,566	-3,84	-4,41			
	-,878	-,292	-2,55	-1,18	-2,67	-,492	,2763	,5984	1,212	2,758	4,676	-3,44	-4,12			

E17

PHASE 5E + 5G [DWG 9 DEG CLOSED T/D 2/23/70

RADIAL DISTANCE 250

DATE: 8/ 6/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ:	ANGLES FROM INLET																
	4,2	12,2	21,2	30,2	42,2	52,2	63,2	72,2	82,2	94,2	102,2	110,2	122,2	130,2	141,2	152,2	162,2	170,2	(PWL)
50				-2,25	-,957	-,273	-,767	-3,07	-,285	-2,27	-,586	-,306	-,970	1,028	3,279	7,227			
63				-2,24	-2,56	,4618	-1,58	-3,11	-,589	-1,77	-1,79	-,869	,1923	1,355	3,651	6,879			
80				-5,91	-3,12	-3,62	-1,74	-4,17	,4261	-2,57	-,842	,1577	,7284	2,484	4,262	6,367			
100				-5,75	-2,98	-4,17	-1,49	-3,43	,4861	-2,24	-,723	-,338	,9944	2,509	4,421	5,915			
125				-3,74	,3958	-1,33	1,562	-,792	1,662	-,918	-1,23	-2,29	-,118	1,169	1,632	4,927			
160				-4,53	-2,59	-5,93	-2,14	-3,81	1,220	-1,81	-,217	1,246	1,243	2,888	3,992	4,333			
200				-3,14	-2,31	-4,87	-1,91	-3,63	1,431	-1,21	,3788	,7991	,8407	3,085	4,381	2,478			
250				-1,97	-1,84	-4,92	-1,46	-4,07	2,874	-1,41	,9595	,4222	-,882	2,792	3,514	2,533			
315				-1,63	1,251	-3,35	,1304	-3,56	3,144	-1,67	,3157	,9792	,7729	-,639	1,792	2,[illegible]			
400				-,568	1,279	-,986	1,286	-4,84	2,973	-3,02	-2,85	-2,29	2,943	-,722	3,645	2,98[illegible]			
500				1,371	1,142	2,139	,7317	-,197	2,918	-2,86	-3,15	-3,34	,9783	1,975	,8361	-,161			
630				-1,16	1,552	-,754	1,692	-,912	2,873	-,707	-,591	-,998	-,442	2,268	,4963	-3,11			
800				-1,58	1,243	-1,39	-,208	-1,15	1,445	,8535	,3669	1,239	,8854	2,459	-,209	-1,57			
1000				-1,18	1,986	-2,62	-,212	-2,69	1,783	-1,52	-,189	1,899	2,292	2,466	1,157	-,691			
1250				-,155	2,855	1,249	1,472	-,219	1,681	-,855	-1,26	,8586	1,262	-,884	-1,53	-2,78			
1600				-,147	2,742	1,825	,8718	-,751	1,849	-,891	-,899	,3411	1,289	1,617	-3,76	-8,39			
2000				-,897	1,914	1,693	-1,88	-2,75	-,295	-1,45	-,584	,8983	3,897	3,369	-2,65	-3,41			
2500				,8784	,6913	2,738	1,288	-1,42	,2131	-,789	1,819	1,945	1,884	-,499	-4,79	-8,88			
3150				,7432	-,449	-3,52	1,549	,1458	1,888	,7148	2,773	3,542	-3,62	-1,77	-4,31	-8,99			
4000				-2,28	-,483	-4,13	-,883	1,722	3,324	2,159	-,211	2,849	-1,48	-,583	-6,82	-4,65			
5000				-3,53	-1,09	-3,83	-1,88	2,122	4,212	2,137	-2,59	1,382	-,114	,2073	-6,63	-4,42			
6300				-1,21	-2,72	-,153	,2661	-1,25	-,282	-1,84	2,622	2,717	3,089	-,141	-8,59	-6,81			
8000				-,446	,3963	-1,52	-1,83	-1,36	,8524	1,378	,7781	3,881	-,417	2,882	-3,34	-3,39			
10000				-,293	-,600	-2,36	,8729	-2,31	-,462	1,218	,4286	1,276	1,829	4,668	-3,81	-2,45			

AMBIENT TEMP, 42,00
WETBULB TEMP, 34,00
BAR, PRESSURE 29,19
REL, HUMIDITY 2,903

FAN FA /COMPRESSOR - PHASE 5P + 5C IGVS 9 DEG CLOSED T/D 8/23/70

CONFIG RUN=173 SPEED=7102

PARTIAL DISTANCE 25/

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	0.0	10.0	20.0	32.5	45.0	57.5	70.0	82.5	95.0	108.2	113.2	123.2	130.0	140.2	150.2	160.2	170.0	OAPWL
				72,71	72,24	73,63	71,84	70,66	71,17	70,69	72,59	73,58	73,03	74,52	77,48	81,95		131,6
				71,15	69,12	81,03	76,24	71,90	71,80	72,38	72,30	73,82	75,29	76,63	78,56	82,19		133,4
				67,97	68,32	69,66	69,68	69,86	70,99	71,29	72,23	73,89	74,84	76,56	78,84	80,64		131,6
				71,99	72,57	72,94	71,59	71,21	72,38	73,04	74,12	74,91	76,04	77,43	80,17	81,34		132,9
				74,21	77,31	73,96	72,49	71,65	74,95	76,94	77,22	79,97	79,25	78,91	79,61	83,62		138,6
				70,08	70,21	71,27	72,44	71,81	72,96	72,83	73,85	75,49	75,77	77,58	78,26	78,94		132,9
				69,32	67,71	74,72	68,94	69,96	70,76	72,12	73,25	73,78	73,68	76,06	77,92	75,33		131,2
				67,52	65,17	65,15	65,04	68,25	69,33	70,58	71,49	71,69	70,38	73,55	75,07	75,36		128,9
				67,97	67,85	68,48	64,82	66,81	65,81	68,79	68,61	70,01	68,84	67,84	69,29	71,49		126,5
				70,36	69,63	71,97	69,77	70,17	67,02	69,99	66,56	70,73	72,28	72,63	74,28	74,23		129,3
				73,17	72,85	74,75	71,46	73,43	71,36	73,25	72,53	71,76	74,25	76,69	74,26	72,61		131,8
				75,63	74,73	75,87	75,04	75,39	74,83	76,68	75,89	77,75	77,79	79,34	77,19	73,57		134,9
				78,11	76,82	77,21	74,82	75,79	76,26	79,86	78,92	81,98	83,21	79,13	77,34	76,13		137,7
				71,83	72,99	73,98	73,28	74,24	73,84	76,21	75,04	76,65	76,65	77,14	75,45	75,27		134,1
				75,86	76,95	76,35	75,15	76,00	74,37	77,10	75,29	77,45	77,39	78,49	72,92	74,35		135,3
				75,82	77,39	78,37	77,66	78,29	77,94	79,82	78,89	79,65	81,45	81,01	75,84	75,69		138,1
				73,01	75,69	76,98	73,57	74,01	74,06	76,59	75,38	77,44	78,49	77,88	73,54	75,25		135,5
				74,19	73,92	77,47	75,73	75,22	74,84	76,89	76,69	78,43	79,32	77,84	71,01	73,51		136,3
				78,62	76,27	75,43	78,87	79,33	78,94	80,28	81,84	82,12	75,44	77,32	74,17	74,47		139,2
				90,78	82,66	80,89	83,27	85,62	84,93	84,24	84,39	86,27	81,90	82,53	77,85	78,65		144,3
				85,81	89,27	86,57	90,75	92,39	92,35	86,86	86,44	89,93	88,89	87,58	82,32	83,14		150,2
				77,73	75,27	79,75	78,70	80,25	79,41	81,39	82,25	84,04	82,79	79,50	73,85	76,46		142,6
				77,10	77,46	76,84	76,74	78,13	78,17	80,22	79,51	82,12	78,34	78,64	74,19	74,99		142,3
				81,64	80,11	79,86	82,18	81,33	82,25	81,57	82,60	82,63	85,86	84,55	77,04	78,89		147,9
				91,17	92,83	91,65	92,54	93,95	93,74	92,70	92,54	94,59	93,94	93,66	91,85	93,27		
				90,79	92,14	91,59	93,25	94,61	94,51	92,68	92,71	94,80	94,05	93,48	90,85	92,27		
				105,5	107,2	106,3	106,4	109,7	109,6	107,2	107,0	109,5	108,6	107,9	103,9	104,7		

OAPWL 154,5

E20

[illegible] Temp,	42,2
[illegible] Temp,	54,6
[illegible] Press,	29,17
[illegible], Humy	2,6,6

[illegible] COMPRESS = PHASE 88 + 90 10VS 9 DEG CLOSED T/O 2/23/70

[illegible] =15 [illegible]=170 SPEED=7300

RADIAL DISTANCE 250

DATE, 3/.9/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 12,2	24,4	36,6	48,	60,9	72,0	84,2	92,0	102,0	110,0	120,0	132,2	144,0	156,2	168,0	178,0	(PWL)
5[illegible]			-1,14	-1,3[illegible]	-,772	-2,82	-3,19	-2,68	-3,16	-1,27	-,275	-,824	,6661	3,549	8,292		
63			-4,44	-6,47	6,.38	-5,35	-3,69	-3,79	-3,21	-3,29	-1,77	-,380	1,844	2,974	6,683		
8[illegible]			-5,72	-5,35	-4,42	-3,99	-3,82	-2,68	-2,38	-1,45	,2135	1,162	2,882	5,168	6,959		
10[illegible]			-6,32	-4,34	-3,98	-3,33	-3,70	-2,53	-1,68	-,793	-,802	1,129	2,518	5,251	6,424		
125			-3,22	-,119	-3,46	-4,93	-5,78	-2,48	-,484	-,207	2,548	1,826	1,180	2,173	6,392		
160			-4,17	-4,25	-2,98	-2,81	-2,44	-1,29	-1,42	-,484	1,238	1,514	3,332	4,013	4,482		
20[illegible]			-3,49	-5,29	-,282	-3,86	-2,84	-2,04	-,685	,2537	,9794	,8789	3,264	5,117	2,526		
25[illegible]			-3,62	-5,37	-5,38	-5,49	-2,29	-1,21	,0455	,9579	1,156	-,156	3,009	4,539	4,8[illegible]9		
3[illegible]5			,2663	-,24[illegible]	,5814	-3,[illegible]8	-1,09	-2,89	,8890	,7062	2,114	,1373	-,862	1,394	3,586		
40[illegible]			-,251	-,98[illegible]	1,353	-,841	-,446	-3,59	-,618	-4,05	,1193	1,663	2,015	3,867	3,618		
50[illegible]			,1591	-,966	1,737	-1,56	,[illegible]63	-1,66	,2333	-,486	-[illegible],28	1,832	3,682	1,247	-,488		
63[illegible]			-,972	-1,27	-,936	-,967	-,6[illegible]	-1,18	,6816	-,111	1,744	1,786	3,333	1,184	-2,43		
80[illegible]			-,512	-1,8[illegible]	-1,41	-3,79	-2,83	-2,36	1,239	,2925	3,395	4,591	,5115	-1,28	-2,49		
100[illegible]			-2,96	-1,79	-,806	-1,51	-,543	-,947	1,421	,2570	1,86[illegible]	1,867	2,352	,6669	,4841		
125[illegible]			-,821	1,097	,4916	-,784	,1442	-1,49	1,244	-,564	1,588	1,531	2,642	-2,94	-1,51		
160[illegible]			-2,58	-,995	-,229	-,739	-,102	-,451	,6302	,5858	1,859	3,[illegible]89	2,664	-2,85	-2,70		
200[illegible]			-2,57	,1866	1,396	-2,82	-1,58	-1,53	,9994	-,288	1,857	2,913	2,297	-2,05	-,936		
250[illegible]			-1,92	-2,19	1,692	-,387	-,897	-1,27	,7737	,5718	2,312	3,287	1,729	-5,10	-2,60		
315[illegible]			,0213	-2,34	-3,19	,2589	,7143	,3191	1,664	3,221	3,598	-3,18	-1,89	-4,49	-4,15		
400[illegible]			-2,41	-,529	-3,89	,0814	2,435	1,743	1,947	1,202	3,881	-1,29	-,663	-5,35	-4,54		
500[illegible]			-2,96	,3021	-2,21	1,975	3,626	3,977	-1,92	-2,33	1,161	,1147	-1,19	-6,45	-5,64		
630[illegible]			-2,43	-4,99	-,403	-1,46	-,107	-,746	1,228	2,092	3,879	2,029	-,659	-6,31	-3,72		
800[illegible]			-1,14	-,784	-1,41	-1,49	-,117	-,872	1,977	1,264	3,882	,8972	,4813	-4,05	-3,25		
1000[illegible]			-,885	-1,61	-2,66	,4595	-,398	,5258	-,151	,8783	,9864	3,329	2,827	-4,69	-3,63		

[illegible]IENT TEMP, 42,00
[illegible]MBER TEMP, 34,00
[illegible], PRESSURE 29,17
[illegible], HUMIDITY 2,804

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

R[illegible]210 RDG=174 SPEED=7360

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET														
FREQ.	30.2	42.2	54.2	60.2	72.2	84.2	90.2	100.2	112.2	120.2	130.2	140.2	150.2	160.2	170.2	(PWL)
50	72.79	73.43	79.67	72.47	72.58	76.33	72.55	74.94	79.15	76.69	76.85	79.69	82.75			134.4
63	72.24	72.60	83.75	73.27	73.72	74.89	74.22	75.60	79.02	78.58	78.65	80.95	83.88			135.9
80	69.65	70.72	78.85	72.21	72.46	74.43	73.46	75.22	78.47	78.66	78.94	80.98	82.91			134.8
100	72.05	70.82	76.33	72.69	73.24	74.69	74.45	76.24	78.33	79.78	79.95	82.43	83.57			135.6
125	72.75	75.71	77.92	73.55	73.69	75.47	75.67	82.86	82.69	85.53	83.94	85.43	87.25			139.9
160	71.49	71.33	78.19	73.17	73.41	74.63	74.68	76.26	78.88	78.44	79.64	81.25	81.85			138.1
200	76.63	69.57	78.41	70.44	71.56	72.78	74.04	75.42	76.65	76.61	78.66	80.73	78.73			134.8
250	69.18	66.77	76.72	67.97	69.58	72.41	74.87	74.43	75.43	74.61	77.98	78.45	76.74			132.7
315	68.46	67.22	77.32	65.42	67.93	68.95	70.74	72.39	74.85	72.79	73.69	73.46	74.44			138.6
400	72.49	69.69	79.14	68.89	68.38	67.89	70.49	70.58	72.92	74.75	72.91	75.73	75.24			131.9
500	73.65	71.62	80.26	71.81	71.67	70.42	72.14	70.47	72.55	75.84	75.35	75.69	73.88			132.6
630	74.00	74.45	81.27	75.46	75.58	74.97	75.42	74.39	75.14	75.93	78.85	77.77	73.76			138.1
800	75.09	75.18	82.12	75.67	78.39	78.10	79.12	77.59	80.73	80.87	81.67	78.37	76.13			137.8
1000	72.11	73.44	81.77	74.16	75.67	75.11	77.67	76.23	78.82	77.76	80.18	78.25	75.92			136.3
1250	71.61	75.99	82.63	75.28	76.65	74.94	79.39	76.81	79.81	78.73	79.19	76.81	74.88			137.1
1600	75.10	77.15	83.52	76.42	78.03	77.73	80.89	77.32	79.21	81.83	79.91	75.69	75.82			138.4
2000	72.59	75.32	83.25	74.86	75.85	75.75	78.54	76.88	78.99	80.17	79.94	74.60	76.82			137.7
2500	73.51	73.56	83.31	76.23	76.53	76.28	78.18	76.91	78.79	79.74	78.19	72.77	75.45			137.8
3150	78.48	76.65	82.85	79.66	79.97	79.98	81.31	82.83	82.97	79.26	77.98	75.76	76.32			140.3
4000	80.02	82.24	84.39	80.54	83.32	82.94	85.89	84.93	86.36	83.24	82.44	78.94	79.22			144.3
5000	85.43	91.26	89.65	86.85	89.21	91.11	92.14	91.23	90.42	94.31	89.12	85.29	85.41			151.5
6300	77.03	76.14	86.23	78.91	80.58	79.58	83.69	82.21	83.93	84.71	81.00	75.27	78.44			144.1
8000	75.93	77.00	85.49	76.18	78.59	78.87	82.22	80.14	83.22	79.99	78.57	75.66	76.73			144.1
10000	81.65	79.65	87.35	81.75	82.98	83.03	84.12	84.08	84.88	87.84	84.23	77.98	78.83			149.7
MEASURED DASP	90.61	92.87	98.12	91.17	92.92	93.62	95.26	94.70	95.71	97.88	95.33	94.69	95.36			
CALCULATED DASP	90.24	93.14	96.94	91.34	93.11	94.80	95.53	94.94	95.69	97.28	94.88	93.44	94.21			
[illegible]	105.1	108.4	111.1	106.2	108.1	109.2	110.7	109.9	110.3	112.2	109.2	106.2	106.5			

DAPWL: 155.9

AMBIENT TEMP. 76.0
BAROMETRIC TEMP. 76.0
AMB. PRESS PB 29.19
AMB. HUMIDITY 2.24

FAN PRESSURE = BASE PB + 0 IN\S 6 WEG CLOSED T/O 2/23/77

[illegible] SPEED=7542

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	[illegible]	12,2	24,4	36,6	48,7	60,9	73,1	85,3	97,5	109,8	122,0	134,2	146,4	157,7	182,8	170,8 (PWL)
[illegible]			-3,66	-3,22	3,217	-4,25	-4,15	-,324	-4,09	-1,72	2,499	,8404	,2826	3,245	6,894	
[illegible]			-5,84	-5,47	5,674	-4,81	-4,35	-3,18	-3,66	-2,47	,9417	,5867	,5732	2,871	5,885	
[illegible]			-7,68	-6,13	1,956	-4,65	-4,39	-2,42	-3,39	-1,63	1,623	1,811	2,886	4,127	6,892	
[illegible]			-5,52	-6,75	,7596	-4,88	-4,33	-2,88	-3,12	-1,33	,7602	2,284	2,381	4,859	5,997	
[illegible]	125		-8,62	-5,66	-3,45	-7,82	-7,68	-5,96	-5,69	1,495	1,331	4,182	2,976	4,263	5,879	
[illegible]	16		-5,32	-5,48	1,394	-3,63	-3,39	-2,18	-2,12	-,542	1,278	1,631	2,835	4,448	4,241	
[illegible]	2[illegible]		-5,22	-7,28	2,761	-5,21	-4,09	-2,86	-1,61	-,229	1,888	,9585	3,813	5,087	3,885	
[illegible]	25[illegible]		-5,05	-7,46	2,499	-6,26	-4,64	-1,81	-,154	,2054	1,206	,3866	3,682	4,226	2,916	
[illegible]	315		-3,54	-4,78	5,319	-6,58	-4,67	-3,05	-1,26	,4044	2,054	,7957	1,692	1,469	2,442	
[illegible]	4[illegible]		-,308	-3,12	6,336	-3,91	-4,43	-5,72	-2,32	-2,22	,1164	1,939	-,295	2,924	2,434	
[illegible]	5[illegible]		-,786	-2,14	6,988	-2,75	-2,09	-3,35	-1,62	-3,29	-1,21	1,275	1,989	1,927	,1857	
[illegible]	63[illegible]		-2,19	-1,65	5,165	-,647	-,527	-1,14	-,683	-1,71	-,968	-,179	2,744	1,664	-2,34	
[illegible]	8		-3,59	-3,52	3,439	-3,01	-,296	-,583	,4381	-1,09	2,843	2,182	2,387	-,313	-2,96	
[illegible]	1[illegible]2		-4,96	-3,64	4,698	-2,91	-1,41	-1,96	,5991	-,848	,9471	,6886	3,184	1,172	-1,15	
[illegible]	125		-3,03	-1,66	4,982	-2,37	-,999	-2,71	1,745	-,841	1,359	1,887	1,948	-1,64	-2,77	
[illegible]	16[illegible]		-3,58	-1,93	4,842	-2,26	-,644	-,951	1,488	-1,36	,9338	2,349	1,287	-2,99	-2,86	
[illegible]	2[illegible]		-5,15	-2,43	5,495	-3,69	-1,89	-2,88	,7838	-1,67	1,245	2,419	2,191	-3,19	-1,73	
E23	2528		-4,12	-4,85	5,784	-1,38	-1,08	-1,33	,5781	-,697	1,894	2,131	,5783	-4,84	-2,16	
	3152		-1,28	-3,11	3,887	-,181	,2871	,2222	1,552	2,271	2,813	-3,49	-1,78	-3,99	-3,46	
	4028		-3,18	-,949	1,199	-2,65	,1318	-,252	2,694	1,741	3,169	,8511	-,751	-4,25	-3,97	
	5028		-4,62	1,812	-,485	-3,28	-,842	1,862	2,893	1,183	,3714	4,262	-,932	-4,76	-4,64	
	63[illegible]		-4,65	-5,54	4,548	-2,77	-1,11	-2,18	2,803	,5285	2,247	3,827	-,684	-6,42	-3,25	
	8028		-4,15	-3,87	5,418	-3,89	-1,48	-1,21	2,145	,0629	3,146	-,876	-1,91	-4,41	-3,34	
	10028		-2,49	-3,88	3,813	-1,79	-,951	-,981	,5877	,4678	1,348	3,501	,6987	-5,96	-4,78	

[illegible] Temp. 42,01
[illegible]dulb Temp. 34,30
[illegible]. Press 29,17
A[illegible]ility 2,884

FAA [illegible]/[illegible] PRESS[illegible] - PHASE 5B + 5C IGVS 9 DEG CLOSED T/C 2/23/72

[illegible] POS=175 SPEED=7500

RADIAL DISTANCE 250

DATE: 3/16/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM I JET																
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	(PWL)
50				73.92	72.53	73.93	72.27	71.90	73.15	72.72	75.28	77.50	75.14	77.29	79.51	82.75			133.4
63				73.64	71.69	71.94	73.78	72.62	73.81	74.85	75.58	77.70	77.48	79.11	81.91	83.81			135.4
80				70.93	72.72	72.89	72.63	72.07	73.64	74.08	75.53	77.46	77.79	79.92	82.42	82.85			134.3
100				71.39	72.87	71.56	73.67	73.45	74.81	75.73	76.95	78.29	79.18	80.83	81.88	83.42			135.4
125				77.19	80.13	77.76	79.24	79.49	81.37	74.18	82.33	85.41	86.24	87.02	84.87	87.19			148.9
160				72.27	71.47	71.83	73.32	73.72	74.86	75.16	76.24	78.10	78.76	80.50	81.04	80.98			134.9
200				71.68	69.51	73.34	71.76	72.14	73.34	74.84	75.81	76.59	76.56	78.78	80.99	78.69			133.9
250				70.52	67.85	67.43	70.59	70.16	72.18	73.64	74.51	75.28	73.49	76.55	79.38	76.66			132.1
315				69.45	68.25	68.74	68.34	68.25	69.23	71.84	72.36	73.81	70.23	78.85	75.78	74.22			129.6
400				70.68	70.86	71.88	71.87	69.26	67.82	69.94	70.18	72.89	73.36	72.97	77.21	75.21			130.4
500				73.49	72.54	75.22	74.61	73.19	71.98	71.92	70.47	71.76	74.82	77.52	77.18	73.74			130.9
630				74.57	74.98	75.61	79.56	76.06	76.61	75.42	75.79	76.25	76.66	79.97	78.48	73.69			130.9
800				77.44	76.45	75.81	77.12	78.11	79.82	78.42	78.51	83.52	82.47	81.13	79.35	76.87			138.4
1000				73.23	75.88	74.63	76.29	76.65	76.87	78.55	78.87	80.96	80.46	80.33	79.52	75.77			137.2
1250				74.44	75.24	78.81	80.75	81.33	77.39	81.38	79.48	78.93	76.98	77.94	78.83	74.71			139.8
1600				75.88	77.75	82.51	81.19	83.78	83.74	82.96	80.77	80.89	82.29	81.12	77.57	75.63			140.7
2000				72.81	74.48	78.48	79.39	79.72	80.56	79.79	77.65	80.79	80.49	79.05	77.43	75.69			138.7
2500				73.23	72.74	77.40	77.75	77.11	76.23	77.65	77.28	78.19	77.95	76.78	78.21	75.84			136.9
3150				77.48	75.64	75.46	80.98	80.25	79.98	79.99	80.98	81.89	74.41	77.98	79.44	75.98			139.9
4000				78.55	80.24	76.83	80.87	81.73	82.06	84.34	83.68	85.45	78.74	81.96	81.83	78.99			142.8
5000				82.82	89.42	87.91	88.49	86.93	91.38	90.67	92.89	90.58	89.94	91.89	86.43	85.29			150.8
6300				77.24	76.57	80.23	79.93	79.11	79.21	81.16	81.44	82.43	82.47	81.74	81.41	78.82			140.7
8000				76.59	76.91	77.18	78.11	77.46	79.11	80.12	81.38	82.89	78.28	79.09	82.79	76.13			140.3
10000				80.94	79.81	82.17	82.58	80.57	82.83	82.31	83.34	86.13	83.69	83.23	84.57	78.64			140.6
MEASURED OASPL				90.32	92.33	92.54	93.29	93.18	94.71	94.66	95.24	96.05	95.43	96.32	96.99	95.26			
CALCULATED OASPL				89.79	92.25	92.43	93.31	92.83	94.71	94.68	95.37	96.81	94.99	95.79	94.81	94.09			
PNDB				103.9	107.4	107.2	108.2	107.3	109.8	109.7	110.5	110.4	109.3	110.3	110.2	108.3			
																		OAPWL:	153.3

AMBIENT TEMP. 46.0°
REFRIGER TEMP. 34.5°
BAR. PRESS RE 29.17
REL. HUMIDITY 2.4%

E24

FAA RA /CL PRESS - PHASE 5B + TW 10VS 9 DEG CLOSED T/O 2/23/72

RW=42 RW=17S SPEED=7700

RADIAL DISTANCE 250

DATE: 3/ 9/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0	10.0	20.	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
2				-1.73	-3.13	-1.72	-3.38	-3.75	-2.51	-2.93	-.376	1.852	-.589	1.647	3.862	7.893		
63				-4.55	-5.89	4.351	-3.61	-4.97	-3.78	-2.74	-2.01	.1128	-.114	1.518	4.316	6.222		
8				-5.79	-5.59	-4.22	-3.69	-4.25	-2.63	-2.24	-.788	1.141	1.472	3.606	4.123	6.534		
10				-5.95	-6.48	-5.79	-3.68	-3.89	-2.54	-1.62	-.399	.9425	1.832	3.484	4.456	6.074		
125				-5.55	-2.62	-4.99	-3.51	-3.26	-1.38	-6.57	-.415	2.666	3.498	4.271	1.327	4.443		
16				-4.41	-5.22	-4.86	-3.37	-2.97	-1.82	-1.53	-.444	1.417	2.872	3.819	4.351	4.297		
20				-3.83	-5.99	-2.17	-3.76	-3.37	-2.17	-.671	.3012	1.886	1.843	3.264	5.473	3.177		
25				-3.13	-5.79	-6.22	-3.65	-3.49	-1.46	-.009	.8650	1.434	-.149	2.908	5.726	3.011		
315				-1.93	-2.74	-2.24	-2.65	-2.74	-1.76	.0575	1.379	2.829	-.758	-.138	4.793	3.239		
400				-1.28	-1.65	.1641	-.639	-2.45	-3.89	-1.77	-1.54	.3724	1.681	1.259	5.499	3.494		
500				-.165	-1.11	1.567	.9588	-.468	-1.68	-1.74	-3.19	-1.89	1.169	3.863	3.527	.8818		
630				-1.94	-1.53	-.897	3.259	-.448	.1032	-1.08	-.709	-.259	.1557	3.468	1.979	-2.82		
800				-2.22	-2.82	-3.46	-2.15	-1.16	.5507	-.849	-.757	4.254	3.288	1.862	.0836	-3.19		
1000				-4.67	-2.89	-3.26	-1.61	-1.25	-1.03	.6530	.9677	3.859	2.562	2.438	1.619	-2.13		
125				-4.15	-3.35	.2312	2.164	2.743	-1.19	2.795	.8334	.3452	-1.66	-.637	-.547	-3.87		
160				-5.16	-3.29	-.829	.1539	2.736	2.695	1.918	-.277	-.199	1.846	.0773	-3.47	-8.42		
200				-6.72	-4.25	-.309	.6669	.9658	1.832	1.058	-1.08	2.856	1.957	1.117	-1.31	-3.84		
2500				-3.43	-3.92	.7417	1.285	.4460	-.437	.9902	.6151	1.524	1.287	.1134	1.544	-1.62		
3150				-1.48	-3.32	-3.49	2.222	1.291	.9443	1.037	2.019	2.931	-4.56	-1.38	.4757	-2.98		
4000				-3.18	-1.49	-4.89	-.859	.0009	.3327	2.612	1.878	3.716	-2.97	.2264	.1047	-2.74		
5000				-6.49	.1157	-1.39	-.808	-2.38	2.079	1.370	2.798	1.274	.6363	1.789	-2.87	-4.01		
6300				-2.99	-3.67	-.827	-.305	-1.13	-1.02	.9228	1.209	2.196	2.249	1.589	1.179	-2.21		
8000				-2.69	-2.37	-2.17	-1.18	-.82	-.168	.8362	2.019	3.613	-1.06	-.185	3.515	-3.15		
10000				-1.53	-2.66	-2.29	.1099	-1.89	.3639	-.160	.8746	3.657	1.223	.7598	2.102	-3.83		

AMBIENT TEMP. 42.00
WET-BULB TEMP. 34.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.904

FAA FAN/COMPRESS. - PHASE 5B + 5C IGVS 9 DEG CLOSED T/C 2/23/72

RUN 12 [illegible] SPEED=7700

AXIAL DISTANCE 250

DATE: 2/23/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	1.2	12.2	24.2	36.2	48.2	60.2	72.	84.2	96.2	108.2	112.2	120.2	132.2	144.2	152.2	168.2	179.2	(PWL)
FREQ																		
63				73,98	73,36	75,12	72,39	72,91	73,77	73,61	75,78	77,36	76,88	78,39	81,29	85,59		134,9
83				71,95	71,76	82,17	73,89	73,93	74,65	75,75	76,58	77,98	78,48	80,17	83,19	87,24		136,8
8.				70,68	71,22	73,39	73,11	73,69	75,28	75,84	76,84	78,24	78,98	81,28	83,58	86,22		136,3
[illegible]				72,31	72,83	73,24	74,29	75,11	76,38	77,45	78,38	79,18	80,45	82,19	84,98	86,79		137,5
125				77,56	85,15	80,77	79,29	82,79	80,59	80,18	83,75	87,44	85,66	87,78	86,73	87,79		142,2
16[illegible]				72,87	74,57	73,62	73,72	75,54	76,52	76,77	78,23	80,63	80,71	82,78	83,88	84,33		137,3
2[illegible]				72,08	71,27	74,12	72,28	73,41	74,58	75,89	77,55	78,36	78,59	81,29	83,46	81,21		135,8
25[illegible]				71,61	72,54	67,95	75,19	76,17	72,79	73,80	80,66	77,14	76,86	79,94	83,94	79,41		135,7
315				68,42	69,47	69,63	69,89	72,28	76,18	71,92	74,78	75,89	73,68	75,96	76,83	76,51		131,6
4[illegible]				72,37	72,79	72,39	73,35	69,82	68,62	71,74	72,82	74,84	75,63	73,18	77,58	77,14		131,8
5[illegible]				74,64	73,48	76,52	73,74	79,38	82,23	77,13	78,80	73,52	76,94	77,45	78,75	77,68		139,8
[illegible]				75,26	76,38	79,59	76,98	79,37	79,64	78,86	77,66	77,43	77,12	80,13	79,21	76,19		136,8
8[illegible]				78,87	78,19	76,79	78,29	79,82	79,42	82,71	83,73	84,49	82,11	83,26	88,56	78,59		139,9
1[illegible]				74,39	75,78	76,48	78,24	76,72	77,67	77,74	79,36	81,17	81,16	82,44	80,41	78,63		138,8
125[illegible]				73,66	81,61	85,23	85,12	87,56	83,89	85,62	79,38	79,79	81,11	79,49	82,38	77,34		142,4
15[illegible]				77,40	79,33	81,17	85,13	85,06	86,32	84,61	82,66	81,71	82,26	79,63	78,29	76,56		142,3
2227				73,66	76,29	79,74	78,98	79,68	79,93	78,51	79,96	80,73	82,18	80,45	76,38	75,66		139,8
2502				74,19	75,34	79,31	78,47	76,47	79,26	77,71	79,27	78,39	78,76	77,82	74,43	73,39		137,8
3152				79,67	78,32	76,59	82,87	82,67	82,32	80,99	83,28	82,19	76,17	77,88	77,84	74,82		148,9
4002				82,97	82,31	76,85	81,68	83,48	83,87	84,99	84,49	84,99	79,52	81,62	78,83	78,33		143,4
5[illegible]2				85,32	94,37	87,61	89,39	89,17	91,65	92,43	91,09	92,96	92,85	91,59	86,48	86,63		151,9
63[illegible]				78,76	78,58	82,44	81,31	80,15	81,82	80,27	83,27	82,44	84,42	81,97	76,35	75,42		143,3
8002				78,03	78,65	77,14	78,25	82,63	81,21	81,32	82,18	83,45	81,83	78,66	76,86	75,38		144,1
12502				81,61	79,68	78,77	83,57	84,48	83,84	81,62	85,84	83,84	83,26	83,15	77,87	76,66		148,6
MEASURED OASPL				91,51	94,29	93,91	94,72	95,67	95,97	96,23	96,21	97,27	96,89	97,17	96,74	97,41		
CALCULATED OASPL				91,25	94,22	93,52	94,66	95,46	95,92	96,88	96,13	97,18	96,63	96,54	95,47	96,88		
[illegible]				125,7	128,8	127,7	129,2	129,6	112,8	111,1	110,9	111,9	111,5	110,8	107,8	107,4		

CAPWL: 156,3

[illegible] TEMP, 42,22
[illegible]MOUNT TEMP, 34,22
BAR. PRESS HG 29,17
ABS. [illegible]UMIDITY 2,924

FAN PRESSURE RATIO = PHASE 58 + 50 IGVS 9 DEG CLOSED T/O 2/23/77

RUN=15 PT=177 SPEED=7962

RADIAL DISTANCE 25[illegible]

[illegible]

S[illegible] PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	17.2	22.2	3[illegible]	4[illegible]	5[illegible]	60.0	72.0	8[illegible]	9[illegible]	100.0	110.0	120.0	13[illegible]	142.0	150.0	160.0	170.0 (PWL)
5				-3.12	-3.74	-1.95	-4.74	-4.19	-3.32	-3.28	-1.32	.2673	-.293	1.269	4.202	8.503		
63				-6.99	-7.18	3.221	-5.89	-5.61	-4.29	-3.19	-2.37	-1.04	-.469	1.227	4.242	8.289		
[illegible]				-8.25	-7.11	-4.94	-5.22	-4.64	-3.05	-2.49	-1.49	-.886	.6449	2.744	5.249	7.894		
1[illegible]				-7.12	-6.61	-6.19	-5.14	-4.32	-3.06	-1.98	-1.06	-.259	1.818	2.764	5.544	7.395		
[illegible]25				-6.54	1.[illegible]49	-3.33	-4.81	-1.31	-3.51	-4.62	-.350	3.339	1.555	3.599	2.625	3.691		
16[illegible]				-6.14	-4.44	-5.79	-5.29	-3.47	-2.49	-2.24	-.782	1.618	1.699	3.774	4.874	5.385		
22[illegible]				-5.37	-6.38	-3.34	-5.18	-4.05	-2.87	-1.57	.8936	.9876	1.137	3.836	6.881	3.761		
25[illegible]				-5.66	-6.73	-5.31	-2.05	-1.69	-4.48	-3.46	3.389	-.126	-1.20	2.677	6.678	2.141		
31[illegible]				-4.61	-3.56	-3.39	-3.93	-2.75	-2.85	-1.11	1.748	2.862	.5734	2.929	3.796	3.479		
4[illegible]				-2.7[illegible]	-.275	-.479	.2823	-3.24	-4.46	-1.32	-1.86	.9699	2.562	.1181	4.517	4.072		
5[illegible]				-2.34	-3.49	-.457	-3.24	2.487	3.255	.1527	1.029	-3.45	-.832	.4743	1.773	.7187		
63				-2.61	-1.49	1.724	-.886	1.505	1.769	.1940	-.288	-.842	-.782	2.265	1.342	-1.69		
8[illegible]				-1.96	-2.65	-4.05	-2.54	-1.02	-1.43	-.125	2.894	3.658	1.279	2.429	-.277	-2.25		
1[illegible]				-4.65	-2.97	-2.27	-.504	-2.04	-1.08	-1.00	.6184	2.421	2.489	3.698	1.664	-.113		
125[illegible]				-9.[illegible]	-1.32	2.295	2.187	4.622	.7641	2.683	-3.55	-3.14	-1.82	-3.43	-2.55	-5.59		
160[illegible]				-5.22	-3.29	-1.45	2.586	2.448	3.698	1.986	.0351	-.913	-.365	-2.99	-4.32	-5.96		
202[illegible]				-5.4[illegible]	-2.77	.6591	-.886	.6178	.8615	-.555	.8932	1.659	3.113	1.378	-2.69	-3.48		
252[illegible]				-3.37	-2.22	1.736	.9723	.9031	1.691	.1386	1.781	.8214	1.195	-.546	-3.14	-4.18		
315[illegible]				-.627	-1.99	-3.70	1.767	2.368	2.018	.6881	2.988	1.889	-4.13	-3.22	-3.26	-5.49		
400[illegible]				-1.33	.4756	-5.39	-.637	1.245	.8324	2.759	2.255	2.760	-2.72	-.619	-3.48	-3.98		
57[illegible]				-5.07	-.232	-2.59	-1.81	-1.23	1.255	2.837	.6968	2.559	2.455	1.194	-3.92	-3.76		
63[illegible]				-2.12	-2.38	-.437	.4331	-.734	.1364	-.607	2.386	1.558	3.545	1.898	-4.53	-5.46		
8[illegible]				-2.24	-1.43	-2.93	-1.83	.5511	1.135	1.243	2.103	3.368	1.759	-1.41	-3.21	-4.69		
10[illegible]				-.595	-2.52	-3.63	1.167	2.078	1.432	-.799	2.635	1.434	.8851	.7483	-5.33	-5.74		

[illegible] TEMP. 42.00
[illegible] TEMP. 34.00
[illegible] PRESSURE 29.17
[illegible] ITY 2.904

[illegible] PRESS R - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

[illegible] RUN=177 SPEED=7922

E27

RADIAL DISTANCE 256

DATE: 3/:9/7.

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
4[illegible]	74.99	74.67	74.67	73.67	74.83	75.98	75.32	76.83	78.54	77.94	79.58	82.67	86.52			139.9
63	72.24	72.95	72.89	73.67	74.48	76.83	76.48	77.29	78.89	79.42	80.76	83.83	87.42			137.2
8[illegible]	71.25	72.87	73.78	73.72	74.48	76.13	76.48	77.32	79.48	80.29	81.62	84.14	86.39			136.9
10[illegible]	72.87	73.78	73.46	74.84	75.11	76.97	77.58	78.89	80.18	81.45	83.26	86.88	87.26			138.2
125	77.44	79.52	74.17	77.89	79.86	81.89	81.72	84.35	89.45	89.54	89.43	86.46	87.34			145.2
160	73.77	74.21	7[illegible].99	74.62	76.16	77.61	77.71	79.73	83.54	83.74	84.67	84.47	84.31			138.7
200	72.63	72.87	73.62	73.82	74.11	75.19	76.49	78.84	79.18	79.12	81.78	84.16	81.62			136.4
250	71.91	72.81	68.82	72.26	72.63	73.99	75.75	88.18	78.26	77.19	80.96	81.86	79.14			135.3
315	68.94	72.32	69.82	69.77	70.46	71.38	73.68	76.26	76.55	74.12	76.81	75.95	76.95			132.2
400	70.69	72.75	72.97	73.47	71.35	71.88	71.29	74.35	75.55	77.43	74.83	78.72	79.[illegible]			133.1
500	74.36	77.94	76.17	76.65	74.78	74.71	76.28	77.16	75.39	79.18	78.93	79.89	78.21			135.7
630	75.19	76.67	79.91	77.65	79.67	80.61	78.19	77.14	77.98	78.71	81.43	80.55	77.61			137.5
800	77.67	81.31	82.41	82.47	85.26	87.31	86.89	85.12	85.96	81.28	82.48	84.37	80.55			145.2
1000	75.37	76.61	77.54	79.67	79.38	78.82	82.01	80.33	80.63	81.49	81.77	81.62	79.35			136.8
1250	75.97	82.80	87.22	88.16	86.39	84.26	85.35	81.72	81.81	81.89	81.83	80.33	77.87			142.2
1600	76.08	82.61	83.41	84.33	84.78	84.49	84.66	80.75	81.48	83.86	81.49	78.36	77.64			142.1
2000	74.98	78.28	82.81	80.92	82.29	81.83	81.18	82.81	80.94	82.56	81.42	77.38	77.36			142.4
2500	74.32	75.51	80.39	79.72	79.51	78.87	78.33	79.29	79.34	80.82	78.68	74.79	74.77			138.5
3150	79.36	78.88	78.82	83.84	83.79	83.58	82.86	83.88	83.22	77.13	78.74	77.89	75.98			141.9
4000	78.45	82.56	78.69	82.37	83.77	83.36	85.22	83.46	84.80	79.73	81.71	79.18	78.53			143.4
5000	84.65	86.86	87.89	88.83	89.15	89.78	91.73	87.39	91.79	94.32	88.18	82.42	83.31			152.6
6300	78.84	79.29	82.17	82.28	82.83	81.46	81.78	81.82	83.64	85.61	81.98	78.44	76.64			143.9
8000	76.37	79.58	79.17	79.68	81.41	80.82	83.75	80.91	85.74	88.92	78.91	76.62	75.91			144.9
10000	81.52	79.77	79.82	83.19	83.68	83.79	83.59	83.27	85.83	85.81	83.28	78.88	76.88			148.8
MEASURED OASPL	91.23	94.24	94.87	95.38	95.29	96.28	96.93	95.69	97.89	98.44	97.43	97.14	97.69			
CALCULATED OASPL	91.05	93.47	94.47	95.18	94.98	95.91	96.68	95.17	97.57	98.12	96.48	95.63	96.19			
PWL	105.4	108.3	108.4	109.1	108.8	110.2	111.3	109.8	111.4	112.7	109.6	106.4	106.6			
														OAPWL:		156.4

AMBIENT TEMP, 42.47
WET BULB TEMP, 34.93
BAR. PRESSURE 29.17
ABS. HUMIDITY 3.034

FAN [illegible]/2[illegible]SSOR + SHAPE 5H + [illegible]2 IGVS 9 DEG CLOSED T/O 2/23/77

Swirl2 Swirl2? SPeed81WP

E28

RADIAL DISTANCE 290

3/19/7?

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0 (PWL)
50			-3,00	-3,72	-3,52	-4,53	-4,37	-4,21	-2,88	-1,37	,3397	-,256	1,301	4,470	8,324				
63			-7,17	-6,35	-1,984	-5,63	-1,89	-3,27	-2,82	-2,82	-,415	,1211	1,486	4,534	8,114				
80			-7,39	-6,87	-5,19	-5,22	-4,54	-3,81	-2,94	-1,62	,9304	1,341	2,374	5,197	7,444				
100			-7,3	-5,42	-6,72	-5,33	-5,06	-3,21	-2,60	-1,28	-,081	1,275	3,082	5,827	7,887				
125			-7,39	-5,54	-12,9	-7,47	-5,20	-3,16	-3,34	-,713	4,389	4,475	4,366	1,482	2,261				
160			-6,72	-6,48	-7,49	-8,87	-4,33	-2,87	-2,77	-,754	3,854	3,248	4,189	3,989	3,885				
200			-5,19	-5,95	-4,42	-5,20	-3,91	-2,83	-1,52	,8150	1,882	1,897	3,759	6,134	3,684				
250			-4,89	-5,99	-7,99	-4,53	-3,96	-2,81	-1,44	3,387	1,467	,3913	4,164	4,268	2,348				
315			-4,93	-3,28	-3,77	-3,83	-3,13	-2,21	,8119	2,669	2,957	,5331	2,419	2,394	3,362				
400			-3,75	-2,64	-2,48	-,973	-3,09	-3,36	-3,19	-,889	1,118	2,907	,3870	4,283	2,186				
500			-2,47	1,184	-,671	-,194	-2,88	-2,19	1,364	,3161	-1,44	2,330	2,895	2,899	1,978				
630			-3,39	-1,91	1,327	-,928	1,289	2,832	-,392	-1,44	-,598	,1263	2,843	1,964	-,974				
800			-7,2	-2,76	-2,66	-1,62	1,188	3,237	2,816	1,849	1,485	-2,87	-1,59	,3882	-3,92				
1000			-4,2	-2,89	-2,97	,1597	-,125	-,685	,4993	,8267	1,122	1,993	2,262	2,116	-,101				
1250			-7,77	-1,65	3,485	4,428	2,657	,4672	1,616	-2,82	-2,73	-2,64	-2,21	-3,41	-6,66				
1600			-5,75	-1,82	,9696	1,954	2,338	2,892	2,217	-1,69	-,956	1,417	-,949	-4,14	-4,79				
2000			-5,43	-2,36	1,574	,4619	1,649	1,386	,7441	-,429	,4996	2,124	,9802	-3,87	-3,88				
2500			-3,99	-2,81	2,872	1,487	1,194	,5989	,8103	,9788	1,888	1,789	,3478	-3,52	-3,54				
3150			-1,93	-2,41	-2,47	2,555	2,518	2,296	,7744	1,788	1,934	-4,15	-2,99	-3,39	-5,51				
4000			-1,86	,2424	-3,62	,8538	1,456	1,847	2,988	1,147	2,588	-2,59	-,882	-3,22	-3,79				
5000			-4,54	-,319	-1,39	-1,15	-4,84	,5981	2,543	-1,79	2,689	5,134	-1,81	-6,76	-8,37				
6300			-2,69	-2,44	,6373	,7488	-,697	-,863	,2563	,2888	2,113	4,881	,3751	-8,89	-4,88				
8000			-2,54	-1,43	-1,76	-1,26	,4693	-,115	2,817	-,824	4,899	-,816	-2,33	-4,31	-8,83				
10000			-1,11	-2,85	-2,79	,5722	1,866	1,181	,9688	,6568	2,419	2,385	,3848	-4,84	-8,73				

AMBIENT TEMP, 42,82
WET-BULB TEMP, 34,27
BAR. PRESSURE 29,17
REL. HUMIDITY 2,924

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVs @ 35@ CLOSED T/O 2/23/78

Run #'s Run#17? Speed=84%

RADIAL DISTANCE 250

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5			74,97	74,21	74,17	73,88	73,87	74,49	74,49	76,65	78,85	78,86	80,16	83,37	87,89			136,4
63			71,74	72,39	80,61	73,21	73,97	74,96	75,62	76,99	78,11	79,34	81,53	84,52	88,67			137,6
8			71,64	73,36	73,99	73,97	74,48	76,24	76,67	77,85	79,51	80,65	83,01	85,65	88,8[illegible]			137,9
10[illegible]			72,39	72,94	73,15	74,[illegible]	75,31	76,86	77,49	78,59	79,81	81,37	82,97	85,95	87,43			138,1
125			77,41	77,32	74,47	76,07	79,48	80,22	79,99	82,38	86,58	89,93	88,96	87,34	86,33			140,9
16			75,69	74,17	73,99	75,46	77,42	78,64	78,41	80,47	86,09	87,48	86,92	85,97	85,54			140,8
2[illegible]			73,51	71,71	73,56	72,56	73,73	74,98	76,48	77,86	78,54	79,89	81,96	83,99	81,15			136,2
25			71,63	69,46	68,38	72,03	71,93	73,63	74,52	76,99	79,64	76,84	80,38	80,99	78,78			134,6
315			70,15	70,44	70,56	69,32	69,93	70,72	72,39	74,77	77,96	75,15	75,88	76,89	76,55			132,3
40[illegible]			73,64	72,51	73,93	74,19	71,45	72,29	78,81	78,81	74,83	77,83	79,72	78,37	78,39			138,9
5[illegible]			75,54	74,59	77,43	75,23	75,72	77,06	75,65	75,89	78,45	78,70	81,29	79,50	78,16			139,8
63			78,95	77,84	81,24	81,49	82,04	79,43	81,53	84,12	81,94	80,71	83,35	82,12	78,42			140,1
8[illegible]			78,39	80,71	79,56	80,86	83,83	83,42	83,44	83,15	83,78	87,51	84,29	82,48	82,82			142,1
10[illegible]			73,32	76,63	76,29	77,13	78,04	78,55	78,84	79,64	80,99	82,47	83,09	82,15	79,63			138,7
125[illegible]			76,44	80,69	83,66	87,82	85,98	85,48	84,32	81,88	80,49	81,88	79,41	80,78	77,89			142,5
16[illegible]			77,29	80,12	81,47	85,04	84,19	84,71	84,73	82,79	82,51	83,85	82,69	79,86	77,47			142,4
2[illegible]0			74,91	77,66	81,45	81,87	82,57	81,72	81,39	80,67	82,66	82,27	82,88	80,65	79,36			142,9
2[illegible]0			75,12	73,83	81,54	80,83	80,08	80,22	80,31	80,80	80,28	81,52	78,29	74,74	74,87			139,6
315[illegible]			78,84	77,36	79,29	85,06	84,85	83,27	83,46	84,39	83,63	77,88	78,96	78,80	76,59			142,6
400[illegible]			80,46	81,68	77,36	82,93	83,52	83,06	85,19	85,08	85,28	79,92	82,89	79,54	78,18			143,6
5[illegible]			83,48	85,96	85,85	88,32	84,84	90,56	91,65	90,52	94,91	91,65	88,19	79,62	82,22			150,2
63[illegible]			79,76	79,07	81,76	82,75	80,96	82,73	83,81	84,30	84,56	86,04	82,83	76,14	76,07			144,9
800[illegible]			80,19	80,73	79,13	80,11	81,80	83,37	84,43	84,64	85,98	81,66	79,54	77,21	76,73			144,1
1000[illegible]			80,72	79,12	78,29	81,56	82,57	83,51	84,19	85,69	88,13	85,81	84,79	78,34	76,39			146,6
ENSURED OASPL			91,95	92,78	93,49	95,42	95,16	95,79	96,39	96,37	97,93	98,45	97,96	97,59	98,48			
[illegible]-O-ENSURED OASPL			91,29	92,18	93,21	95,31	94,84	95,93	96,54	96,49	97,99	97,96	97,85	96,85	96,95			
PNDB			105,2	106,6	107,2	109,3	108,3	110,6	111,4	111,0	112,2	111,7	109,9	106,1	106,2			
																	OAPWL:	156,7

A[illegible] Temp, 44,02
E[illegible] Temp, 35,00
A[illegible] PRESS HG 29,17
A[illegible] HUMY 2,121

[illegible] PRESS = PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/77

[illegible] 2[illegible]17 SPEED=83,0

E30

RADIAL DISTANCE 25ft

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 1	2	32.7	41.2	52.7	65.3	72.6	82.7	92.2	100.0	110.8	122.2	132.6	140.7	152.2	160.3	170.0 (PWL)
	5		-3,[illegible]	-4,44	-4,45	-5,65	-5,58	-4,15	-4,15	-2,[illegible]	-,691	-,589	1,500	4,719	9,236		
	63		-7,96	-7,31	,9239	-6,49	-5,73	-4,74	-4,27	-2,78	-1,50	-,353	1,833	4,807	8,977		
			-8,32	-6,38	-5,96	-5,99	-5,48	-3,72	-3,29	-2,12	-,455	,6918	3,044	5,683	8,041		
	1		-7,59	-7,15	-6,93	-5,66	-4,78	-3,23	-2,59	-1,49	-,277	1,282	2,887	5,864	7,343		
	12[illegible]		-7,30	-7,46	-12,2	-7,97	-5,29	-4,55	-4,77	-2,[illegible]	3,814	5,164	4,197	2,575	3,564		
	16		-6,84	-8,36	-8,54	-7,28	-5,11	-3,89	-4,13	-2,86	3,562	4,871	4,391	3,035	3,886		
	2		-4,36	-6,16	-4,31	-5,31	-4,14	-2,89	-1,39	-,811	,6654	1,225	4,893	6,116	3,275		
	25		-4,56	-6,73	-7,81	-6,16	-4,26	-2,54	-1,67	,7974	3,451	,6528	4,185	4,799	2,994		
	3[illegible]		-3,56	-3,28	-3,15	-4,39	-3,78	-2,99	-1,33	1,059	4,247	1,438	2,166	3,183	2,841		
	4[illegible]		-,545	-1,67	-,255	,0742	-2,76	-1,89	-3,38	-3,38	,6456	2,838	1,536	4,176	4,197		
	5[illegible]		-1,44	-2,39	,4839	-1,75	-1,26	,0838	-1,33	-1,89	-,535	1,722	4,317	2,524	1,177		
	6[illegible]		-2,23	-3,34	,2625	,3181	,8614	-1,74	,3475	2,940	,7571	-,464	2,169	,9422	-2,76		
	8[illegible]		-4,58	-2,26	-3,41	-2,91	,8559	,4514	,4695	,1771	,8066	4,537	1,115	-,573	-,149		
	1		-4,13	-2,82	-3,15	-2,32	-1,41	-,903	-,626	,1882	1,546	3,825	3,648	2,696	,1791		
	125		-6,58	-2,32	,4471	4,807	2,959	2,399	1,882	-1,94	-2,53	-2,82	-3,01	-2,23	-5,12		
	16[illegible]		-5,39	-2,56	-1,22	2,349	1,903	2,819	2,843	,8663	-,178	1,168	,8182	-2,80	-5,21		
E31	2		-6,27	-3,32	,4783	,8925	1,589	,7398	,4878	-,387	1,679	1,288	1,185	-,332	-1,62		
	2528		-4,24	-5,53	2,176	1,478	,7228	,8591	,9482	1,439	,9289	2,154	-1,87	-4,62	-4,49		
	3158		-3,18	-4,65	-2,72	3,744	2,835	1,259	1,446	2,377	1,615	-4,21	-3,85	-3,21	-5,42		
	4228		-2,27	-,841	-5,17	,4931	,9918	,5379	2,661	2,481	2,753	-2,61	-,426	-2,99	-4,35		
	5278		-5,31	-2,83	-2,94	-,492	-3,95	1,769	2,859	1,732	3,116	2,856	-,595	-9,17	-8,57		
	63[illegible]		-2,69	-3,38	-,684	,3718	-1,48	,2841	1,362	1,854	2,112	3,595	,3829	-6,31	-6,38		
	8228		-1,87	-1,33	-2,94	-1,95	-,259	1,304	2,372	2,582	3,915	-,484	-2,92	-4,86	-8,34		
	1028		-2,69	-4,29	-5,12	-1,85	-,839	,1946	,7871	2,281	4,728	1,599	1,393	-5,06	-7,21		

[illegible] TEMP, 14,[illegible]
[illegible] TEMP, 35,[illegible]
[illegible] PRESS 29,17
[illegible] 2, 21

[illegible] PRESS. - PHASE 26 + 2C IGVS 9 DEG CLOSED [illegible] 2/23/72

[illegible] SPEED=0302

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
	5.7	17.4	24.2	36.7	48.0	58.7	67.9	72.0	82.4	90.0	102.0	110.9	120.0	132.0	144.0	152.7	160.0	170.8	(PWL)
5				75,47	75,21	74,89	73,47	74,26	78,04	74,98	78,12	79,81	78,29	80,68	84,21	89,34			137,4
4[illegible]				72,54	72,95	72,88	73,92	74,64	77,92	76,46	78,47	79,37	79,65	82,06	85,33	90,89			138,6
3[illegible]				71,76	73,39	74,29	74,29	75,06	78,00	77,38	79,07	80,29	81,21	83,33	85,89	88,51			138,5
[illegible]				73,17	73,62	74,47	75,66	76,41	78,35	78,67	80,32	81,13	82,36	84,26	87,52	88,46			139,4
125				75,77	77,78	76,42	77,29	80,81	79,16	79,96	84,17	86,32	87,76	87,24	87,78	89,83			140,1
15[illegible]				76,87	77,45	77,92	78,32	82,94	79,79	80,50	86,39	88,95	90,45	89,16	87,96	87,87			143,9
2[illegible]				73,48	71,62	73,83	73,43	74,72	75,92	77,21	78,58	79,59	79,42	82,81	85,01	81,97			137,9
25[illegible]				71,16	69,53	68,77	70,22	72,67	74,12	75,32	76,86	78,59	75,56	80,88	81,09	79,17			134,5
315				69,96	71,45	71,43	70,39	71,20	72,06	75,81	74,99	80,22	74,94	77,08	78,28	79,77			133,8
4[illegible]				73,79	71,77	73,55	74,38	71,21	[illegible]3,53	72,88	73,19	74,95	76,88	78,83	79,53	79,82			133,7
5[illegible]				75,31	74,72	77,36	76,81	77,25	77,31	76,93	76,87	78,01	79,58	82,86	80,41	78,24			136,8
5[illegible]				76,96	77,30	81,22	80,86	81,43	82,05	82,13	82,18	83,17	81,71	84,36	82,74	79,29			148,4
[illegible]				77,18	79,22	81,67	85,45	84,87	83,88	84,15	83,77	86,23	87,59	84,80	83,77	81,92			143,1
1[illegible]				74,49	76,46	76,96	79,88	78,96	78,96	79,54	80,39	81,37	82,77	82,62	82,89	82,29			139,2
125[illegible]				77,89	80,25	83,25	84,64	85,84	84,33	84,63	81,83	83,51	82,84	81,60	80,62	78,48			141,9
1577				77,63	80,62	83,05	85,28	85,90	84,62	84,19	82,52	83,30	85,68	84,25	80,89	78,36			143,1
2000				75,42	78,65	84,17	81,96	82,85	82,66	82,34	80,81	81,57	83,12	82,91	79,61	78,47			141,4
2520				75,05	76,46	81,36	81,96	80,18	81,18	79,99	80,63	80,99	82,84	78,87	75,78	74,94			140,1
3150				79,49	78,44	77,67	84,62	83,57	83,39	81,83	84,39	83,94	78,39	78,89	79,28	76,42			140,2
4000				81,01	83,02	77,14	83,73	84,31	84,46	85,82	84,86	86,06	80,87	82,67	80,19	78,92			144,2
5[illegible]				82,96	87,05	85,83	85,72	82,93	87,66	90,19	89,51	91,59	91,33	87,19	81,88	82,87			149,2
63[illegible]				80,11	81,57	82,45	83,81	80,67	83,87	84,13	85,23	86,19	86,11	84,54	77,97	77,42			146,8
8000				79,08	80,77	78,23	78,48	79,81	81,39	82,11	82,08	84,53	80,36	80,12	77,14	76,54			144,5
10[illegible]0				78,36	78,63	77,25	79,96	80,94	81,44	81,60	84,09	85,56	85,84	83,28	76,71	75,66			147,9
[illegible]ESSURE DASPL				91,85	92,94	94,89	95,37	95,44	95,85	96,21	96,79	98,42	98,92	98,40	98,38	99,31			
[illegible]ALUATED DASPL				98,94	92,85	93,73	94,96	94,92	95,44	96,84	96,55	98,14	98,48	97,45	96,96	97,92			
[illegible] PWDB				104,9	107,5	107,4	108,3	108,1	109,4	110,6	110,6	112,2	111,9	109,9	106,8	106,5			

DAPWL1 156,5

E32

[illegible] TEMP, 44,00
[illegible] TEMP, 35,00
[illegible] PRESSURE 29,17
[illegible] HUMIDITY 2,821

[illegible] /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

[illegible] RUN=131 SPEED=8502

RADIAL DISTANCE 250

DATE: 2/25/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	17,2	27,2	37,2	47,2	57,2	67,2	77,2	87,2	97,2	107,2	117,2	127,2	137,2	147,2	157,2	167,2	177,2	(PWL)
[illegible]			-4,34	-4,59	-4,91	-5,34	-5,55	-1,76	-4,82	-1,69	-,799	-1,52	,8692	4,401	9,528			
63			-8,22	-7,81	,1261	-6,84	-6,12	-2,86	-4,30	-2,29	-1,39	-1,11	1,297	4,973	9,330			
80			-8,74	-7,11	-6,41	-6,21	-5,45	-2,50	-3,12	-1,44	-,213	,7843	2,822	5,387	8,811			
100			-8,26	-7,77	-6,99	-5,71	-4,96	-2,99	-2,69	-1,25	-,241	,9911	2,890	6,155	7,889			
125			-8,14	-6,14	-7,49	-6,62	-3,11	-4,76	-3,96	,2528	2,481	3,842	3,319	3,860	5,115			
160			-9,41	-8,23	-7,56	-7,16	-2,54	-5,69	-4,98	,9179	3,448	4,973	3,700	2,481	2,192			
200			-5,19	-7,89	-4,84	-5,29	-3,95	-2,76	-1,47	-,174	,9283	,7498	4,131	6,330	3,291			
250			-4,84	-6,47	-7,23	-5,78	-3,34	-1,88	-,683	,8759	2,583	-,441	4,078	5,885	3,181			
315			-5,29	-3,79	-3,81	-4,85	-4,04	-3,19	-,238	-,247	4,979	-,386	1,833	2,958	4,922			
400			-1,16	-3,19	-1,41	-,662	-3,75	-4,43	-2,16	-1,78	-,817	1,919	3,866	4,568	4,360			
500			-2,59	-3,24	-,997	-1,15	-,788	-,852	-2,03	-1,89	,8538	1,683	4,982	2,453	,2799			
630			-4,45	-4,11	-,392	-,552	,0107	,0292	,7188	,7681	1,755	,2918	2,966	1,319	-2,12			
800			-6,85	-4,81	-2,36	1,428	,8356	-,155	,1175	-,264	2,281	3,556	,7667	-,261	-2,12			
1000			-5,47	-3,52	-3,02	-,279	-1,00	-,996	-,416	,4368	1,406	2,896	2,659	2,925	,3374			
1250			-5,32	-2,17	,8358	2,228	2,620	1,913	2,213	-1,39	-,918	-,376	-,814	-1,60	-3,94			
1600			-5,75	-2,76	-,383	1,983	2,926	1,239	,8159	-,862	-,877	2,225	,8678	-2,48	-5,82			
2000			-6,02	-2,78	2,733	,3228	,6195	1,229	,9841	-,619	,1393	1,691	1,476	-1,82	-2,96			
2500			-4,82	-3,41	1,497	2,891	,3139	1,312	-,274	,7672	1,129	2,975	-,996	-4,88	-4,92			
3150			-2,17	-3,22	-3,99	2,954	1,903	1,729	,1689	2,731	2,274	-3,27	-2,77	-2,38	-5,24			
4000			-2,89	-,276	-5,96	,6346	1,214	1,362	1,922	1,765	2,958	-2,22	-,423	-2,98	-4,17			
5000			-4,83	-,743	-1,96	-2,86	-4,86	-,128	2,403	1,723	3,884	3,946	-,991	-6,71	-5,72			
6300			-3,47	-2,21	-1,12	-,559	-2,90	-,584	,5549	1,662	2,619	4,537	,9642	-5,60	-6,17			
8000			-1,41	,2812	-2,26	-2,81	-,678	,8957	1,616	1,588	4,839	-,131	-,369	-3,35	-3,95			
10000			-3,34	-3,89	-4,48	-1,77	-,783	-,279	,8763	2,369	3,836	3,316	1,476	-5,82	-6,86			

E33

AMBIENT TEMP, 44,0°
WET-BULB TEMP, 35,2°
AMB. PRESSURE 29,17
REL. HUMIDITY 2,421

FAA FA [illegible]-COMPRESSOR - PHASE 2B + 2C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=1D RUN=187 SPEED=8500

RADIAL DISTANCE 250

DATE: 3/05/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET .0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				74.42	67.83	70.14	62.26	61.52	63.35	63.65	64.34	65.14	64.69	65.24	66.39	70.42			124.4
63				74.31	63.49	80.14	68.71	60.02	63.15	69.00	61.18	66.53	68.76	64.29	66.31	69.23			128.5
80				71.37	64.84	62.32	61.38	60.18	61.81	61.97	63.37	64.55	64.98	65.33	67.93	68.07			128.6
100				73.10	65.58	60.38	61.82	61.09	61.94	62.25	63.87	63.48	64.28	64.38	66.14	67.46			128.7
125				73.87	75.27	61.33	61.94	62.79	63.67	63.99	64.78	65.42	66.48	65.76	66.14	67.92			135.5
160				74.27	66.42	66.85	61.93	64.11	65.37	65.63	65.61	66.84	67.98	69.17	78.45	69.41			139.6
200				74.41	63.92	70.66	59.72	62.17	62.06	64.54	63.37	64.45	64.17	65.93	66.79	65.63			124.4
250				73.49	62.77	59.31	56.74	60.17	61.80	63.16	61.68	62.76	60.69	63.97	63.19	64.93			123.2
315				74.95	64.84	65.84	58.82	61.65	60.89	62.25	60.85	62.25	60.21	60.86	60.83	62.94			122.9
400				73.54	65.13	62.72	59.59	58.21	59.61	58.53	57.26	59.31	62.16	60.57	61.91	61.93			121.8
500				74.08	67.36	65.36	62.69	62.33	62.93	61.99	61.71	61.16	62.57	64.31	62.21	60.56			123.5
630				74.12	70.58	67.15	67.74	67.83	65.93	66.24	66.58	67.86	69.48	67.79	66.12	62.74			136.4
800				73.81	71.18	67.81	67.86	67.73	67.21	67.89	68.31	70.23	69.19	69.18	67.91	66.41			127.7
1000				72.91	70.22	67.79	68.18	66.58	66.95	66.83	67.93	69.25	70.52	68.99	69.97	67.20			127.7
1250				75.96	75.85	73.85	70.48	68.98	68.14	69.25	68.27	69.93	70.47	69.32	67.95	66.67			130.8
1600				76.59	76.06	74.45	72.12	71.84	71.46	72.06	73.49	73.97	74.91	74.06	70.17	68.41			138.6
2000				73.57	74.03	73.63	68.57	67.94	67.73	68.25	69.43	71.37	73.14	72.88	70.69	67.38			136.6
2500				73.96	72.39	74.23	71.72	69.16	68.78	68.96	71.28	72.69	73.14	70.89	68.85	66.89			131.2
3150				81.33	78.84	77.16	82.89	82.51	77.21	77.18	79.34	84.38	76.46	75.48	76.14	73.19			148.2
4000				76.82	76.92	69.98	74.81	74.18	72.91	74.93	75.15	77.76	72.14	74.32	72.94	69.99			135.3
5000				74.19	74.84	71.97	78.54	69.19	69.85	72.68	72.89	74.94	75.92	75.11	70.86	68.64			133.9
6300				79.34	75.88	76.64	77.39	74.65	74.83	73.49	81.27	77.92	79.12	75.86	71.14	68.76			130.1
8000				76.30	75.49	71.76	78.54	78.94	78.30	78.54	71.62	75.66	78.61	74.46	78.80	68.45			136.2
10000				78.33	74.66	72.27	73.19	72.31	71.49	71.75	73.81	73.85	73.88	75.86	69.89	68.92			131.2
MEASURED OASPL				92.47	88.69	85.92	85.43	84.35	83.56	82.75	85.16	87.26	84.88	84.13	82.71	82.13			
CALCULATED OASPL				89.44	86.69	86.15	85.92	85.31	83.81	83.63	86.98	87.84	85.58	84.98	83.89	81.76			
PNDB				103.7	100.9	99.38	101.5	101.1	98.86	98.44	100.2	103.4	99.47	98.65	97.77	95.64			
																		OAPWL:	146.7

AMBIENT TEMP, 44.0?
WET-BULB TEMP, 35.0?
BAR, PRESSURE 29.17
ABS, HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T.E 2/23/72

RUN=15 RLG=18: SPEED=5000

E34

RADIAL DISTANCE 250

DATE: 5/ 5/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

RPM	ANGLES FROM INLET .0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5				7,824	1,221	3,532	-4,35	-5,09	-3,26	-2,96	-2,27	-1,47	-1,92	-1,37	-,213	3,886			
63				3,822	-7,80	9,655	-9,71	-18,5	-7,36	-1,49	-9,31	-3,96	-1,73	-6,20	-4,17	-1,26			
6?				6,772	,2461	-2,28	-3,22	-4,42	-2,79	-2,62	-1,22	-,[illegible]6	,3086	,7367	3,331	3,472			
12?				8,438	,9139	-4,29	-3,64	-3,57	-2,73	-2,41	-,796	-1,19	-,387	-,280	1,477	2,795			
125				5,537	7,929	-6,21	-5,40	-4,54	-3,67	-3,35	-2,55	-1,92	-,854	-1,57	-1,19	,9787			
16?				6,941	-,989	-1,27	-5,39	-3,22	-1,96	-1,69	-1,72	-,485	,5716	1,841	3,125	2,881			
2??				8,331	-2,16	4,586	-6,36	-3,90	-4,82	-1,54	-2,71	-1,63	-1,01	-,147	,7221	-,443			
25?				9,724	-,995	-4,46	-7,83	-3,59	-1,97	-,689	-2,89	-1,01	-3,07	,2817	-,572	1,101			
315				10,63	,5184	,7259	-6,29	-2,67	-4,23	-2,07	-4,27	-2,07	-4,16	-3,46	-4,29	-1,38			
40?				10,44	2,832	-,384	-3,51	-4,89	-3,49	-4,57	-5,84	-3,79	-,938	-2,54	-1,19	-1,58			
52?				9,369	2,648	,6449	-2,83	-2,38	-1,79	-2,72	-3,88	-3,56	-2,14	-,405	-2,91	-4,16			
63?				6,787	3,163	-,231	,3288	-,386	-1,48	-1,18	-,912	-,351	-1,99	,3866	-1,29	-4,67			
80?				5,186	2,547	-1,62	-,767	-,899	-1,42	-,729	-,314	1,683	,9685	,9549	-,721	-2,21			
1?0?				4,451	1,759	-,669	-,282	-1,88	-1,51	-1,63	-,531	,7913	2,868	,5238	1,511	-1,26			
125?				5,565	4,649	2,652	,2873	-1,82	-2,25	-1,15	-2,13	-,867	,8788	-1,08	-2,45	-3,73			
150?				3,518	2,986	1,381	-,947	-1,23	-1,61	-1,81	,4215	,8954	1,887	,9879	-2,91	-4,66			
200?				2,951	3,416	3,216	-2,84	-3,58	-2,89	-2,36	-1,19	,7884	2,581	1,467	,0888	-3,23			
250?				2,933	1,365	3,285	,6927	-1,87	-2,25	-2,07	,2582	1,663	2,118	-,142	-2,98	-4,93			
3150				1,741	-,793	-2,43	3,289	2,920	-2,38	-2,41	-,255	4,791	-3,13	-4,19	-3,45	-6,48			
4000				2,658	2,358	-4,26	-,149	,1488	-1,25	,3887	,9878	3,599	-2,82	,1617	-1,23	-4,17			
5000				1,658	2,1?5	-,569	-1,99	-3,34	-2,69	,1461	-,449	2,398	3,384	2,575	-2,48	-3,89			
6300				2,702	-,55	,882	,7502	-1,99	-2,61	-3,14	4,633	1,282	2,481	-,784	-8,58	-7,86			
8000				4,889	3,273	-,458	-1,67	-1,27	-1,91	-1,67	-,596	3,439	-1,61	2,249	-2,22	-3,77			
10000				5,249	1,575	-,814	,1196	-,771	-1,59	-1,33	,8288	,7685	,7219	1,976	-3,19	-4,56			

AMBIENT TEMP, 44,00
WET-BULB TEMP, 35,00
BAR, PRESSURE 29,17
ABS, HUMIDITY 2,521

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=151 SPEED=5000

E35

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	[illegible]	[illegible]	[illegible]	52.5	44.6	56.7	67.5	78.0	89.2	98.2	107.2	117.7	124.8	130.8	142.8	152.1	162.6	170.8	(PWL)
[illegible]	50			79,18	69,92	71,55	67,01	66,24	65,07	64,68	66,37	68,34	67,43	67,41	68,17	71,89			127,4
[illegible]	63			79,24	64,16	80,29	62,93	63,38	64,52	59,62	64,34	67,82	69,37	66,89	68,82	72,83			129,6
[illegible]	80			78,62	52,82	62,74	62,33	62,44	63,19	64,84	65,29	65,71	66,43	67,96	68,69	70,83			124,1
[illegible]	100			78,57	54,67	64,59	64,29	64,33	65,24	65,75	68,72	68,27	69,37	70,66	70,58	71,14			127,4
[illegible]	125			79,69	74,81	62,88	63,75	64,62	65,66	65,66	66,51	67,23	67,99	68,36	69,12	70,19			127,9
[illegible]	160			79,75	53,39	66,17	62,92	64,12	64,67	65,84	66,36	68,33	66,05	68,92	69,18	68,54			127,4
[illegible]	200			79,98	63,27	70,61	62,32	64,12	64,12	65,93	66,57	67,37	67,98	68,91	69,93	68,19			127,8
[illegible]	250			79,55	59,21	58,14	57,09	60,34	60,19	62,31	62,62	63,85	60,80	64,43	64,90	64,59			125,8
[illegible]	315			81,13	53,84	66,11	59,69	62,92	60,50	64,24	61,68	64,27	62,18	62,65	61,50	63,92			127,3
[illegible]	400			81,39	54,67	66,46	61,69	61,67	59,57	62,59	58,59	61,51	63,92	62,66	64,41	63,57			127,6
[illegible]	500			81,48	67,17	68,48	65,16	65,92	65,44	65,49	64,45	63,88	65,69	67,21	65,32	64,66			128,6
[illegible]	630			82,27	72,59	69,69	68,96	68,82	68,71	68,67	68,54	69,66	68,58	70,32	68,42	68,85			130,4
[illegible]	800			82,72	71,48	69,16	69,99	69,52	68,77	72,13	70,39	72,11	71,99	71,89	69,66	69,87			131,7
[illegible]	1000			82,60	71,25	70,41	70,30	68,57	67,94	68,49	70,21	71,24	73,42	72,42	72,64	69,56			131,9
[illegible]	1250			83,19	76,29	75,15	72,99	71,94	71,42	71,87	72,87	71,47	72,99	73,33	70,17	68,22			133,3
E36	1600			84,45	77,38	76,24	74,09	73,57	73,16	74,38	75,50	76,21	78,34	76,31	71,17	69,59			135,9
	2000			82,69	75,82	75,77	71,69	70,86	70,22	71,34	72,23	73,79	76,79	75,65	72,58	69,88			134,3
	2500			82,27	74,27	76,02	74,24	70,99	70,69	71,82	73,87	74,81	76,76	73,59	69,65	68,69			134,6
	3150			87,59	84,49	77,78	83,05	80,37	80,28	81,43	83,10	89,46	79,25	79,99	80,23	74,86			143,9
	4000			86,26	82,69	75,49	80,57	79,13	78,33	80,46	81,26	86,53	78,11	88,25	78,86	74,80			142,2
	5000			82,38	76,28	74,37	73,83	71,83	72,93	76,34	76,24	78,59	80,12	79,29	71,86	71,62			138,8
	6300			84,64	75,46	77,94	78,49	77,69	77,22	78,87	81,26	79,86	81,96	77,66	74,36	70,91			141,3
	8000			84,58	78,28	75,84	75,88	75,69	75,54	77,82	78,86	79,85	79,18	78,18	74,62	72,33			141,8
	10000			84,78	75,24	73,87	76,02	74,93	73,54	75,79	76,76	77,19	77,62	76,88	72,79	70,63			142,8
[illegible]	[illegible]			99,55	89,76	87,49	87,44	85,61	85,75	87,08	88,19	91,36	88,52	88,01	85,85	83,89			
[illegible]	[illegible]			96,53	89,54	87,63	87,99	86,39	86,13	87,81	88,96	92,44	89,19	88,46	86,31	84,92			
[illegible]	[illegible]			110,6	104,9	102,9	103,8	101,1	100,9	102,4	103,6	107,6	102,8	102,6	101,2	97,76			
																		OAPWL:	150,6

[illegible]	14,67
[illegible]	35,62
[illegible] PRESSURE	29,17
[illegible]	2,921

[illegible]/COMPRESS # = PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/77

[illegible] 9.1e+02 SPEED=5562

RADIAL DISTANCE 252

[illegible] 3/12/7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]				9,595	,3312	1,962	-2,57	-3,54	-4,52	-4,90	-3,22	-1,25	-2,15	-2,18	-1,42	1,569		
63				7,539	-7,54	8,387	-8,77	-8,32	-7,19	-2,09	-7,36	-3,90	-2,33	-4,81	-2,89	-,888		
[illegible]				10,59	-5,31	-5,35	-5,78	-5,57	-4,92	-4,67	-2,82	-2,41	-1,68	-,149	,5767	1,888		
[illegible]				9,493	-4,72	-4,78	-5,27	-5,65	-4,13	-3,62	-,673	-1,17	-,005	1,289	1,202	1,772		
125				9,965	4,282	-6,85	-5,98	-5,11	-4,67	-4,27	-3,22	-2,59	-1,74	-1,37	-,606	,6674		
16[illegible]				10,58	-5,78	-3,07	-6,25	-5,05	-4,57	-3,33	-2,81	-,848	-,919	-,257	,0888	-,633		
2[illegible]				10,49	-6,21	1,332	-7,16	-5,36	-5,38	-3,55	-2,91	-2,11	-1,49	-,588	,0528	-1,29		
25				12,25	-8,29	-9,16	-12,2	-6,97	-7,11	-4,99	-4,69	-3,46	-6,49	-2,67	-2,42	-2,71		
3[illegible]5				12,42	-4,69	-2,63	-9,04	-5,81	-8,23	-4,59	-7,05	-4,46	-6,63	-6,08	-7,15	-4,61		
4[illegible]				12,49	-4,22	-2,44	-7,21	-7,23	-9,33	-6,31	-13,3	-7,39	-4,98	-6,24	-4,49	-8,33		
5[illegible]				11,66	-2,58	-1,26	-4,59	-3,84	-4,31	-4,25	-5,29	-5,86	-4,05	-2,53	-4,42	-5,68		
63				10,62	-,861	-2,37	-2,52	-2,54	-2,76	-2,79	-2,92	-1,80	-2,88	-1,14	-3,[illegible]	[illegible]		
8[illegible]				10,15	-1,09	-3,41	-2,56	-3,05	-3,79	-2,44	-2,18	-,459	-,577	-,672	-2,90	3,4[illegible]		
1[illegible]				9,958	-1,39	-2,23	-2,35	-3,84	-4,71	-4,15	-2,63	-1,38	,7697	-,228	-,007	-3,49		
125				9,325	2,484	1,264	-1,29	-1,95	-2,46	-2,81	-3,01	-2,42	-1,29	-2,55	-[illegible],51	-5,68		
16[illegible]				8,189	1,121	-,820	-1,56	-2,69	-3,10	-1,96	-,755	-,849	2,077	,0494	-5,89	-6,67		
2[illegible]				7,772	1,502	1,455	-2,62	-4,25	-4,12	-2,98	-2,89	-,515	2,472	1,536	-1,81	-4,43		
2520				7,856	-,339	1,614	-,173	-3,42	-3,71	-2,59	-,541	,3965	2,345	-,814	-4,76	-5,72		
3150				4,669	1,572	-5,14	,1239	-2,55	-2,64	-1,49	,1889	6,138	-3,68	-2,93	-2,69	-8,86		
4000				5,147	1,573	-5,63	-,548	-1,98	-2,78	-,655	,1453	5,413	-3,08	-,865	-2,25	-6,31		
5000				5,833	-,271	-2,19	-2,73	-4,72	-3,63	-,289	-,314	2,845	3,573	2,746	-4,69	-4,94		
6300				5,765	-3,41	-,933	-,377	-1,78	-1,65	,0042	2,193	,9936	3,893	-1,21	-4,51	-7,96		
8000				6,842	,3469	-1,89	-1,86	-2,35	-2,19	,0842	1,121	1,318	1,365	,3635	-3,11	-5,41		
10000				8,134	-1,41	-3,58	-,626	-1,72	-3,11	-,854	,1128	,5451	,9713	1,431	-3,85	-6,82		

[illegible] TEMP. 44,0[illegible]
[illegible] TEMP. 35,0[illegible]
[illegible] PRESS [illegible] 29,17
[illegible] HUMIDITY 2,321

[illegible] PRESSURE - PHASE 5B [illegible] IGVS 9 DEG CLOSED T/D 2/23/72

[illegible] RUN=1[illegible] SPEED=55[illegible]

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RADIAL DISTANCE 250

DATE: 3/25/7[illegible]

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 7.5	17.4	24.2	30.0	40.2	50.2	60.2	72.2	80.2	90.0	100.2	110.2	120.0	130.0	140.0	150.2	160.0	170.0	(PWL)
[illegible]				76.48	68.10	76.97	67.46	65.44	66.43	66.85	67.96	71.21	70.19	68.52	69.75	72.71			137.3
5[illegible]				76.77	65.31	80.26	65.69	64.52	66.43	69.73	66.51	78.32	71.78	66.46	70.46	72.75			139.8
63				75.68	63.82	64.23	63.96	63.81	65.29	65.54	66.65	68.47	69.24	68.52	69.86	71.46			128.7
8[illegible]				76.72	65.26	67.12	66.79	67.67	67.76	66.77	70.83	71.25	72.55	73.62	73.25	72.78			128.6
12[illegible]				77.38	74.15	64.81	65.46	65.53	66.03	66.93	68.13	69.97	70.89	69.68	70.81	72.13			127.0
125				76.98	62.89	66.39	64.13	65.17	65.95	66.77	67.83	69.26	68.82	69.69	69.69	69.84			126.8
160				77.43	64.54	71.16	65.88	67.03	68.27	68.06	68.64	68.64	69.59	70.19	71.39	69.25			127.0
22[illegible]				76.69	66.87	61.82	59.43	62.55	63.01	64.53	65.45	66.36	63.95	66.95	66.55	66.82			124.9
25[illegible]				77.69	62.53	65.61	59.86	62.91	61.54	64.95	64.67	65.51	62.79	63.43	62.31	65.24			122.2
315				77.61	63.68	65.71	62.85	61.79	59.61	62.92	68.49	68.79	64.69	62.75	64.85	64.84			128.1
400				78.12	67.87	60.36	65.91	65.73	65.85	65.08	62.87	63.68	66.81	67.28	68.17	64.19			126.7
50[illegible]				78.92	71.16	78.88	69.96	69.67	69.54	68.74	66.19	69.84	68.43	70.90	68.53	65.69			129.5
63[illegible]				78.89	72.97	78.74	78.48	72.71	70.32	71.49	70.97	72.95	72.59	72.88	69.64	69.54			131.8
80[illegible]				79.10	71.87	71.89	70.91	69.76	69.59	70.68	71.41	73.81	74.42	73.57	71.24	69.68			131.9
125[illegible]				80.51	76.66	76.21	73.91	72.27	70.17	71.68	70.98	74.99	73.81	71.82	69.11	69.88			133.0
160[illegible]				82.28	78.84	77.81	75.35	74.89	74.81	76.01	75.37	76.56	76.89	76.74	71.61	70.72			136.8
2000				80.41	76.67	76.83	72.63	71.14	71.87	73.82	74.32	76.11	78.49	77.98	71.72	71.31			138.1
2500				80.81	79.38	77.48	74.61	71.82	71.73	72.66	74.33	75.91	76.83	74.86	68.48	70.84			134.8
3150				84.26	81.51	76.85	81.96	79.16	78.92	80.56	81.89	82.61	75.49	78.73	75.19	73.93			140.4
4000				86.95	86.65	86.42	86.42	85.32	85.84	87.23	86.86	86.23	86.42	85.49	81.33	80.25			146.7
5000				81.43	77.78	76.84	74.76	72.61	73.84	77.79	76.21	80.24	81.28	79.77	71.63	73.22			138.8
6300				82.89	75.54	78.82	77.86	75.26	75.12	75.54	78.77	80.63	81.68	77.73	71.85	70.75			140.3
8000				84.74	81.21	79.28	79.85	78.67	77.81	78.35	81.16	86.33	82.27	79.88	76.13	75.23			144.9
10000				84.49	78.83	75.24	76.81	74.99	74.66	75.86	76.66	78.71	79.78	79.82	71.96	72.15			143.5
MEASURED OASPL				98.11	91.13	88.77	90.82	87.94	87.78	89.29	89.29	91.66	89.58	89.72	86.22	85.89			
CALCULATED OASPL				94.74	91.68	88.95	90.95	88.58	88.35	90.89	90.86	92.49	90.15	90.38	86.29	85.99			
PWL				189.2	187.2	182.7	186.5	184.2	183.9	185.8	185.4	187.6	183.9	185.9	181.9	180.9			

OAPWL: 191.8

E38

AMBIENT TEMP. 44.82
WET-BULB TEMP. 35.07
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.421

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 TAG=187 SPEED=9750

RADIAL DISTANCE 250

DATE: 3/15/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FC	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				5,957	-1,42	1,458	-2,87	-4,08	-3,09	-2,67	-1,57	1,687	,6746	-1,00	,2304	3,185			
63				4,867	-6,59	8,356	-6,30	-7,39	-5,48	-2,18	-5,39	-1,59	-,288	-3,45	-1,45	,8412			
80				7,321	-3,96	-3,55	-3,82	-3,98	-2,49	-2,24	-1,13	,6884	1,462	,7359	2,281	3,663			
100				6,195	-4,29	-3,43	-3,76	-2,88	-2,79	-3,78	-,521	,6085	1,991	3,868	2,098	2,149			
125				7,865	4,433	-5,71	-4,26	-4,19	-3,69	-2,79	-1,59	-,751	,3662	-,044	,7889	2,488			
160				8,361	-5,69	-2,19	-4,46	-3,42	-2,84	-1,83	-,764	,6738	,2248	1,296	1,898	1,246			
200				7,848	-5,84	1,578	-4,49	-2,55	-1,32	-1,53	-,939	-,926	,8839	,6166	1,812	-,299			
250				10,17	-6,45	-5,50	-7,09	-3,97	-3,51	-1,99	-1,87	-,158	-2,57	,4312	,8348	,2835			
315				11,06	-4,11	-1,82	-6,78	-3,72	-5,09	-1,68	-2,96	-1,13	-3,84	-3,28	-4,32	-1,39			
400				11,24	-2,77	-,657	-4,32	-4,57	-6,76	-3,45	-5,87	-3,59	-1,67	-3,62	-1,52	-1,53			
500				10,27	-,780	,5148	-1,94	-2,12	-2,88	-2,77	-4,98	-4,23	-1,84	-,646	-2,68	-3,65			
630				8,404	,6442	,3663	-,959	-,843	-,977	-1,78	-2,32	-,673	-2,88	,3898	-1,99	-4,81			
800				6,975	,6446	-1,18	-1,44	-1,21	-1,68	-,429	-,950	1,020	,6686	,9542	-2,28	-2,38			
1000				6,915	-,319	-1,09	-1,28	-2,41	-2,59	-1,51	-,776	,8265	2,233	1,379	-,948	-2,38			
1250				7,105	3,252	2,881	,5029	-1,14	-3,24	-1,76	-2,49	-1,41	,3996	-1,59	-4,38	-4,33			
1600				5,847	2,489	1,491	-1,88	-1,46	-1,94	-,349	-,986	,2818	1,737	,3888	-4,74	-5,63			
2000				5,259	1,522	1,687	-2,52	-4,81	-3,28	-2,12	-,828	,9678	3,349	2,431	-3,43	-3,84			
2500				6,221	,7144	2,895	,0198	-2,76	-2,86	-1,93	-,255	,9251	2,842	-,983	-6,14	-4,54			
3150				4,459	1,785	-2,96	2,159	-,841	-,884	,7683	1,296	2,888	-4,32	-1,97	-4,61	-5,87			
4000				1,377	3,276	-5,16	2,844	-,258	-,938	1,648	,4839	2,658	-5,16	-,884	-4,84	-5,32			
5000				4,894	,4437	-1,29	-2,58	-4,73	-3,49	,4587	-1,13	2,983	3,944	2,434	-5,71	-4,12			
6300				5,878	-2,29	,1765	,0288	-2,56	-2,71	-2,29	,9391	2,798	3,775	-,899	-4,78	-7,89			
8000				3,889	,3631	-1,57	-1,79	-2,18	-3,84	-2,49	,3145	5,681	1,487	-,965	-4,71	-5,62			
10000				7,868	,6468	-2,14	-,572	-2,39	-2,70	-1,92	-,725	1,325	2,397	1,634	-5,42	-5,24			

AMBIENT TEMP, 44,00
WET-BULB TEMP, 35,00
BAR, PRESSURE 29,17
ABS, HUMIDITY 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 RUN=127 SPEED=5750

RADIAL DISTANCE 250

DATE: 3/1/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	7.7	17.2	27.2	37.2	47.2	57.2	67.7	77.2	87.2	97.2	107.2	117.2	127.2	137.2	147.2	157.2	167.2	177.2 (PWL)
FREQ:																		
50				79.12	87.72	76.72	66.19	65.54	66.30	66.94	69.63	72.24	69.92	69.98	70.88	73.92		127.9
63				79.12	83.62	80.21	64.91	64.62	66.23	78.23	68.92	71.46	71.08	78.18	71.95	74.07		129.9
80				74.74	76.56	76.39	64.99	64.12	65.91	66.37	68.13	78.94	68.89	78.26	71.86	73.38		128.4
100				79.63	86.37	80.69	68.39	68.27	68.84	68.54	71.22	71.37	72.62	73.81	74.42	74.53		129.1
125				78.46	74.14	64.17	65.71	65.87	66.45	67.33	68.92	78.89	78.41	71.81	72.38	73.81		128.3
160				78.62	83.62	80.45	64.48	69.78	60.59	67.78	68.81	78.21	69.87	71.41	71.36	71.94		127.4
200				78.25	84.24	76.81	65.71	67.88	78.19	68.33	68.53	69.31	71.82	71.41	73.06	78.61		126.4
250				73.43	89.23	89.73	58.32	61.69	62.38	63.46	65.83	66.13	64.53	67.96	68.29	67.89		123.9
315				74.61	82.92	66.28	60.62	63.83	62.81	64.84	64.85	66.46	63.69	64.93	63.97	66.36		122.9
400				74.24	84.27	66.12	63.94	62.86	63.81	62.53	61.18	62.62	68.22	64.84	66.83	66.94		123.9
500				75.44	87.74	68.93	67.27	66.92	66.55	66.22	65.23	64.71	68.54	68.37	67.11	66.82		126.5
630				78.46	71.77	71.37	74.47	78.36	78.41	78.81	78.89	78.86	69.81	72.26	69.88	66.85		143.6
800				76.99	73.93	71.72	74.78	78.67	74.85	71.89	72.87	74.21	73.85	74.34	71.44	78.89		131.4
1000				76.13	73.27	71.34	71.26	69.28	69.97	78.58	71.57	73.76	74.28	75.46	73.36	71.27		131.9
1250				77.41	76.89	76.54	75.88	73.77	72.74	73.73	72.69	73.41	73.83	73.77	71.21	69.84		133.5
1600				82.34	84.25	79.22	76.62	75.78	75.96	76.47	77.14	77.27	78.71	76.98	72.59	71.26		136.7
2000				77.26	77.71	77.87	73.76	71.98	73.09	73.77	75.12	76.84	78.74	78.51	72.87	71.99		138.5
2500				78.19	76.45	78.47	75.64	72.69	73.41	73.96	75.57	76.22	77.38	75.63	78.84	69.46		139.4
3150				81.79	79.13	75.77	79.58	78.37	78.85	73.98	88.49	81.33	74.82	77.13	74.84	72.42		138.9
4000				89.77	89.38	88.79	87.39	88.99	89.55	88.98	85.91	87.99	81.67	87.82	81.96	81.12		148.1
5000				78.29	78.93	76.25	75.48	74.33	74.34	79.18	78.59	79.37	88.87	79.98	72.31	72.86		139.8
6300				79.38	78.31	78.24	78.49	78.38	77.67	79.81	88.95	88.84	82.22	79.24	72.21	71.36		148.9
8000				81.99	81.65	78.63	77.78	78.83	78.29	78.58	78.46	82.44	79.14	82.18	77.35	78.41		143.3
10000				88.76	77.65	74.64	75.92	74.72	75.29	76.25	77.58	77.14	88.77	88.87	73.91	73.41		143.1
MEASURED OASPL				96.81	91.35	89.14	89.45	89.76	90.41	90.35	89.72	91.84	89.64	90.83	87.39	87.02		
CALCULATED OASPL				93.68	92.18	89.19	90.28	90.81	91.34	91.27	90.32	91.73	90.19	91.39	87.38	84.85		
PWDB				149.4	147.8	145.9	145.9	146.6	147.1	147.1	145.7	147.2	144.8	146.8	142.3	141.6		
																	OAPWL:	151.9

AMBIENT TEMP, 44.87
BAROMETRIC TEMP, 35.82
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAN FAN 20 COMPRESSOR - PHASE 5B + 5C 10/5 9 DEG CLOSED T/O 2/23/77

PLANE RDG=184 SPEED=8043

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RADIAL DISTANCE 250

DATE 2/23/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	1?,2	2	30,	4	5	ANGLES FROM INLET 60,2	70,2	80,2	90,0	100,0	110,0	120,2	130,0	140,2	150,0	160,0	170,0	(PWL)
5			6,361	-6,24	,9622	-3,57	-4,22	-3,45	-3,22	-,112	2,481	-,742	-,482	1,125	4,165			
63			4,002	-8,49	8,294	-7,21	-7,49	-5,89	-1,89	-3,19	-,656	-1,11	-2,01	-,163	1,983			
			6,132	-5,95	-4,25	-4,04	-4,51	-2,72	-2,26	-,582	1,488	,2613	1,627	3,232	4,794			
1,			5,233	-4,66	-4,33	-2,63	-2,76	-2,99	-2,48	-,808	,3418	1,598	2,786	3,392	3,984			
125			6,269	3,954	-6,22	-4,48	-4,31	-3,74	-2,86	-1,27	-,182	,4164	1,317	2,188	3,617			
16			6,866	-5,54	-2,71	-4,73	-3,45	-2,56	-1,45	-,388	1,886	,7136	2,287	2,281	2,384			
2,			6,174	-5,82	,7329	-4,38	-2,21	,1115	-1,75	-1,55	-,773	1,736	1,331	2,974	,9312			
25			8,627	-5,49	-5,72	-7,11	-4,34	-3,05	-1,97	-,325	,6987	-,898	2,989	2,863	2,466			
315			8,663	-6,43	,9269	-4,73	-2,32	-3,34	-1,32	-1,29	1,187	-1,67	-,421	-1,38	1,887			
4			9,063	-,969	,9353	-1,24	-3,12	-4,37	-2,85	-4,80	-2,36	,8427	-1,15	,8447	1,383			
5			7,807	,6982	1,288	-,371	-,719	-1,89	-1,48	-2,41	-2,94	-1,18	,9886	-,939	-1,62			
63			5,776	1,286	,6645	-,215	-,329	-,281	-,678	-,594	,1752	-1,67	1,571	-,0	-3,83			
8			4,675	1,612	-,683	-1,54	-1,65	-1,47	-,423	-,254	1,694	,7338	2,822	-,886	-1,63			
1,			3,852	,9929	-,941	-1,82	-3,00	-2,31	-1,78	-,728	1,482	1,919	3,178	1,981	-, 82			
125			3,532	3,213	2,662	1,282	-,107	-1,14	-,142	-1,18	-,479	-,246	-,185	-2,67	-4,			
160			3,379	3,283	2,256	-,347	-1,18	-1,88	-,492	,1742	,1845	1,748	,8188	-4,37	-8,89			
200			1,713	2,162	2,317	-1,79	-3,58	-2,46	-1,78	-,428	1,203	3,186	2,998	-2,68	-3,56			
250			3,837	1,295	3,319	,4886	-2,47	-1,74	-1,19	,4186	1,864	2,224	,4795	-8,11	-8,89			
315			3,397	,7484	-2,62	1,189	-,818	,4996	,5915	2,111	2,937	-3,57	-1,26	-4,35	-8,97			
400			2,798	2,412	-6,18	,4868	2,822	2,881	1,933	-1,86	,9382	-8,89	,8523	-8,81	-8,89			
500			,9239	1,369	-1,51	-2,16	-3,23	-1,22	1,614	1,833	1,881	3,386	2,339	-8,25	-4,61			
630			,8753	-2,19	-,262	-,211	-2,12	-,837	,5893	2,442	1,937	3,715	,7303	-8,29	-7,14			
800			2,667	2,328	-,699	-1,63	-,499	-1,33	-,827	-,871	3,189	-,188	2,854	-1,97	-3,92			
1000			3,765	,6608	-2,35	-1,87	-2,27	-1,78	-,744	,5898	,1446	3,775	3,881	-3,49	-3,89			

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[illegible] TEMP,	44,88
[illegible] TEMP,	35,88
[illegible], PRESSURE	29,17
[illegible] HUMIDITY	2,821

FAN FAN/LO-PRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN 229 RUG=164 SPEED=6000

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	0.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	178.8 (PWL)
[illegible]				77,97	69,19	72,88	67,25	68,02	69,85	67,85	69,55	71,82	70,15	70,46	72,38	75,89		138,9
63				77,00	66,12	68,47	65,85	67,12	69,10	70,70	68,76	71,89	71,78	71,95	73,73	76,02		138,7
80				76,23	64,86	66,91	65,06	66,59	67,72	67,33	68,78	70,45	70,66	72,03	73,22	74,86		138,8
100				76,76	69,18	71,64	72,56	71,11	70,25	70,55	71,79	73,20	74,68	75,15	75,70	75,51		138,9
125				78,88	74,21	67,25	67,36	68,64	69,89	67,54	70,88	71,59	72,21	73,82	73,94	75,23		138,5
160				74,76	65,51	67,97	65,38	67,47	68,64	68,12	69,98	71,36	71,33	72,48	72,86	73,18		138,4
200				75,35	64,26	71,21	65,91	67,61	69,99	70,22	69,13	70,24	70,79	72,19	73,72	74,63		138,7
250				73,47	59,23	59,73	59,96	62,43	64,12	64,78	66,21	66,45	64,32	66,02	69,18	68,74		134,4
315				74,62	63,28	65,93	61,63	63,59	63,62	65,56	65,76	67,88	65,21	65,82	64,98	67,59		134,7
400				74,58	64,67	66,62	63,85	62,19	61,58	63,83	62,82	64,59	67,07	66,76	67,61	67,81		136,6
500				75,72	68,47	69,66	67,89	67,07	67,54	66,89	66,68	66,68	69,16	70,88	68,78	67,13		137,8
630				77,27	72,57	72,36	71,58	71,31	72,87	70,87	71,49	72,20	71,39	73,91	71,97	68,32		138,9
800				77,23	74,72	72,76	72,23	72,35	72,29	72,93	72,76	74,45	74,27	74,97	72,59	71,47		138,3
1000				77,17	73,89	72,29	72,57	71,86	70,95	71,38	72,81	78,62	74,30	74,11	73,48	71,77		138,8
1250				78,58	77,31	77,84	75,29	74,31	73,85	75,81	74,83	78,19	76,75	76,76	71,36	70,94		136,4
1600				82,49	81,49	80,45	78,19	77,43	77,41	77,65	78,80	80,84	80,37	79,88	74,89	72,38		138,1
2000				79,88	78,47	79,19	75,88	73,92	74,47	74,88	75,89	77,24	79,46	78,18	73,87	72,39		136,4
2500				79,43	77,26	79,69	77,32	74,49	74,89	74,84	76,71	77,69	79,86	77,34	71,14	71,37		136,7
3150				82,89	78,76	76,97	80,73	78,86	79,03	79,23	81,39	85,57	76,11	77,84	74,89	72,69		139,6
4000				87,79	88,14	82,32	86,97	88,11	87,87	88,76	87,69	91,27	84,98	87,77	83,88	82,46		140,4
5000				79,73	79,13	77,86	76,71	75,56	76,79	78,79	78,28	80,84	82,47	81,87	73,59	72,84		139,9
6300				81,11	76,49	80,82	81,39	78,83	79,52	80,27	80,95	80,93	80,57	81,68	73,38	72,79		140,2
8000				82,59	81,63	79,86	78,79	78,31	80,86	80,27	80,12	83,74	80,67	80,28	79,38	76,27		144,0
10000				81,87	78,85	74,94	77,27	75,77	73,96	76,12	77,29	78,21	81,92	81,84	74,88	73,13		140,6
MEASURED DASPL				97,31	91,48	92,38	90,29	90,16	90,36	90,85	90,91	93,16	91,76	91,93	88,65	88,32		
CALC DATA DASPL				93,57	91,78	92,42	90,86	90,71	90,88	91,57	91,41	93,92	92,88	92,74	88,85	88,88		
PWLB				138,7	137,8	134,4	136,5	136,5	136,6	137,3	136,9	139,6	136,5	137,8	133,5	133,8		
																	OAPWL:	142,9

AMBIENT TEMP.	44,07
ATMOSPHERIC TEMP.	35,80
BAR. PRESSURE	29,17
REL. HUMIDITY	2,321

FAN FM /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED Y/D 2/23/72

RUN:112 PAGE:65 SPEED=6200

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RADIAL DISTANCE 250

DATE: 3/16/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 1[illegible]	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5[illegible]		6,848	-1,94	1,753	-3,88	-3,11	-1,24	-3,27	-1,58	,6878	-,982	-,288	1,254	4,166			
63		4,133	-0,75	7,990	-7,02	-5,75	-3,77	-2,17	-4,11	-1,78	-1,89	-,925	,8894	3,191			
8		5,146	-2,22	-1,18	-5,03	-3,49	-2,37	-2,75	-1,39	,3655	,9788	1,943	3,128	4,715			
10[illegible]		3,957	-3,62	-1,17	-,383	-1,60	-2,56	-2,26	-1,22	,4817	1,796	2,343	2,984	2,795			
125		4,479	2,611	-4,15	-4,04	-2,76	-2,29	-1,86	-,997	,1927	,8975	1,624	2,942	3,827			
16		4,624	-4,62	-2,23	-3,75	-2,66	-1,49	-1,02	-,155	1,228	1,191	2,342	2,728	3,846			
20[illegible]		5,039	-6,85	,8978	-4,39	-2,78	-,316	-,292	-1,18	-,869	,4895	1,879	3,414	1,916			
25[illegible]		7,498	-6,95	-6,25	-6,82	-3,54	-1,85	-1,19	,2378	,4788	-1,65	2,848	3,203	2,766			
315		8,488	-2,88	-,224	-4,47	-2,56	-2,54	-,591	-,309	,9242	-,941	-1,13	-1,25	1,440			
40[illegible]		8,572	-1,28	,6661	-2,11	-3,76	-4,45	-2,73	-3,67	-1,37	1,112	-,197	1,633	1,286			
50[illegible]		7,034	-,215	,8659	-,794	-1,62	-1,15	-1,79	-2,61	-1,89	,4888	2,193	,8879	-1,46			
63[illegible]		5,299	,5962	,3805	-,393	-,065	,8947	-1,11	-,881	,3249	-,982	1,937	-,884	-3,45			
8[illegible]		4,026	1,515	-,446	-,973	-,856	-,915	-,276	-,445	1,241	1,864	1,767	-,619	-1,73			
12[illegible]		4,611	1,329	-,474	-,196	-1,51	-1,62	-1,18	-,551	,8828	1,741	1,844	,9143	-,784			
125[illegible]		3,367	2,370	2,183	,3618	-,623	-1,29	,8784	-,489	,2879	1,815	-,179	-3,58	-3,99			
160[illegible]		3,053	3,852	2,607	-,259	-1,82	-1,83	-,795	-,367	1,088	1,985	1,438	-3,89	-4,86			
200		2,484	2,071	2,799	-1,31	-2,47	-1,92	-1,59	-,589	,8472	3,861	1,722	-2,83	-3,80			
2500		2,982	,7254	3,168	,7931	-2,85	-1,64	-1,49	,1042	1,115	2,581	,8877	-3,39	-3,16			
3150		3,835	-,292	-2,49	1,675	-,193	-,826	,1757	2,341	3,913	-2,93	-1,58	-4,48	-4,38			
4000		,5490	,6888	-4,92	-,277	,8980	,6861	1,911	,4829	4,825	-2,29	,5179	-4,16	-4,79			
5000		1,249	,6508	-1,42	-1,77	-2,92	-1,68	,3188	-,262	2,389	4,194	2,589	-4,88	-4,64			
63[illegible]		,3962	-4,23	,8983	,6788	-1,89	-1,19	-,449	,2294	,2162	5,857	,9389	-7,33	-7,92			
8000		1,819	,8786	-,912	-1,97	-2,46	-,786	-,498	-,382	2,968	-,297	4,508	-1,48	-4,58			
10000		4,180	-,847	-2,76	-,426	-1,92	-1,73	-1,57	-,392	,5216	4,225	3,389	-3,09	-4,56			

A[illegible]IENT TEMP, 44,27
WET-BULB TEMP, 35,07
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/73

RUN:5 [illegible]:105 SPEED=6200

RADIAL DISTANCE 250

DATE: 3/10/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 32.2	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50	74.77	70.88	71.12	67.31	66.68	67.59	67.41	69.65	74.35	70.15	71.55	73.55	77.29			128.1
63	74.38	68.24	80.23	67.31	66.37	67.78	70.55	68.48	70.55	71.42	71.66	74.81	76.88			130.3
80	65.91	65.69	65.64	85.75	65.96	87.67	67.9	66.81	70.49	70.95	72.32	74.68	75.93			127.6
100	69.92	69.18	69.15	69.78	70.54	69.85	68.99	71.31	74.39	77.79	77.14	77.10	76.75			131.3
125	68.98	74.46	66.69	67.92	68.78	69.89	69.72	71.09	72.64	74.11	76.69	75.17	75.75			138.1
160	67.46	66.64	67.54	68.69	67.88	69.26	69.71	70.62	71.68	71.95	73.35	74.31	74.14			128.9
200	68.49	65.42	71.11	65.28	66.36	68.16	71.19	70.21	71.88	70.50	72.59	73.98	71.34			128.2
250	64.69	60.42	58.14	59.17	61.92	64.22	65.27	66.92	66.99	63.68	66.48	69.65	68.11			123.6
315	66.97	66.84	66.61	61.57	64.82	64.28	65.66	66.65	67.59	64.93	64.54	65.97	67.57			123.9
400	67.78	67.87	66.94	64.88	62.69	61.89	61.91	62.29	63.04	67.44	66.05	68.88	67.08			128.9
500	70.65	70.46	70.64	68.92	67.84	68.43	66.56	66.89	66.49	69.89	72.18	70.29	67.23			127.5
630	73.59	73.37	73.55	72.75	71.92	72.76	71.65	71.69	73.31	72.75	74.57	73.88	69.52			131.4
800	75.29	75.56	72.96	72.59	73.04	73.79	74.35	74.18	75.74	75.57	76.09	73.53	72.81			133.1
1000	73.41	74.79	71.39	72.69	71.52	73.21	73.46	74.78	74.93	75.84	75.13	74.20	72.15			132.8
1250	75.38	77.47	77.95	75.54	74.41	72.82	73.18	73.33	75.99	75.91	75.42	75.59	73.72			133.9
1600	79.49	81.47	80.38	78.47	77.31	77.59	77.65	77.96	78.78	80.78	80.25	74.98	72.95			138.1
2000	77.24	78.78	78.89	74.78	73.62	75.58	75.99	77.52	77.95	79.66	78.59	74.95	73.56			136.7
2500	77.72	77.31	79.81	77.37	74.51	74.96	75.86	77.89	77.38	79.31	78.87	71.42	73.54			136.8
3150	80.65	78.28	76.89	80.17	78.29	79.83	78.98	81.49	81.91	75.69	77.54	74.67	72.64			139.1
4000	83.75	85.34	80.18	85.09	84.57	84.88	83.79	88.71	89.77	85.73	85.17	81.98	81.81			147.2
5000	76.74	78.67	76.73	76.22	75.05	76.83	79.69	79.14	80.32	82.19	80.94	74.28	74.22			139.7
6300	78.42	75.76	81.12	80.71	79.58	79.69	80.18	83.99	80.14	80.38	80.86	74.81	72.72			145.4
8000	79.40	80.27	80.33	77.95	77.87	79.35	79.78	79.83	81.78	78.28	82.94	76.98	76.41			145.4
10000	77.92	77.07	75.77	77.27	76.82	75.66	75.99	77.81	78.40	80.84	80.38	73.84	72.34			148.3
MEASURED OASPL	90.68	90.90	90.86	89.75	88.61	89.22	91.44	91.65	92.36	91.98	91.49	88.97	88.79			
CALCULATED OASPL	90.02	90.71	90.18	90.21	89.05	89.68	92.16	92.36	93.04	92.55	92.76	88.56	88.38			
PNDB	104.9	105.8	105.4	105.5	104.4	104.9	107.9	107.9	108.7	106.9	106.4	103.1	102.6			

OAPWL: 152.2

AMBIENT TEMP. 44.6°
WET-BULB TEMP. 35.0°
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.82%

FAA FAN/COMPRESSOR - PHASE DE-ICE INVS 9 DEG CLOSED T/T 2/23/72

RUN 12 RUN 107 SPEC. 80450

RADIAL DISTANCE 250

DATE: 3/12/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50			.4174	-.076	.7657	-3.08	-3.68	-2.77	-2.94	-.708	-.001	-.208	1.201	3.198	6.941		
63			-2.04	-4.36	7.807	-5.11	-6.05	-4.64	-1.87	-3.94	-1.87	-.997	-.559	1.593	4.461		
80			-3.76	-3.97	-3.82	-3.88	-3.71	-1.69	-1.74	-.854	.7364	1.287	2.655	4.619	6.268		
100			-3.38	-4.11	-4.14	-3.52	-2.75	-3.45	-4.30	-1.99	1.089	4.503	3.842	4.085	3.449		
125			-2.96	2.473	-5.24	-4.01	-3.23	-2.83	-2.21	-.832	.7072	2.179	2.761	3.742	4.813		
160			-2.82	-3.44	-2.73	-3.58	-2.39	-1.01	-.562	.3469	1.401	1.277	3.075	3.731	3.859		
200			-1.40	-4.48	1.216	-4.89	-3.54	-1.74	1.304	.3177	1.187	.6849	2.699	4.006	1.446		
250			-.438	-4.71	-6.98	-6.02	-3.20	-.905	.1498	1.795	1.874	-1.44	3.354	4.523	2.988		
315			1.616	1.484	1.258	-3.78	-1.34	-1.13	.3026	1.294	2.234	-.425	-.815	.2158	2.164		
400			2.498	1.872	1.741	-.525	-2.51	-3.31	-3.29	-2.91	-1.56	2.235	1.694	3.683	2.402		
500			2.116	1.732	1.908	.1929	-.892	-.308	-2.17	-2.64	-2.25	1.168	3.448	1.355	-1.50		
630			1.059	.9280	1.111	.3099	-.527	.3153	-.795	-.751	.8682	.3127	2.527	.6409	-2.92		
800			.0133	1.583	-1.02	-1.38	-.933	-.182	.0713	.2067	1.766	1.593	2.109	-.451	-1.17		
1000			-.495	1.288	-2.11	-.808	-1.99	-.291	-.037	1.276	1.426	2.339	1.632	.6990	-1.35		
1250			.9064	3.004	3.474	1.268	-.858	-1.66	-1.29	-1.14	-.481	1.441	.5408	-1.88	-3.75		
1600			1.033	3.007	1.921	.0091	-1.15	-.864	-.809	-.504	.3193	2.320	2.090	-3.53	-5.93		
2000			.4951	2.039	2.148	-1.96	-3.12	-1.16	-.754	.7768	1.205	2.919	1.314	-2.19	-3.15		
2500			1.150	.7452	3.239	.8017	-2.05	-1.61	-1.50	.5318	.8131	2.740	1.501	-5.15	-5.02		
3150			2.073	-.298	-2.48	1.598	-.282	.4561	.3279	2.918	2.934	-2.89	-1.04	-3.90	-5.94		
4000			-2.35	-.761	-5.93	-.405	-1.54	-1.22	3.648	2.602	3.666	-.376	-.951	-4.20	-4.29		
5000			-1.55	.3894	-1.56	-2.06	-3.23	-1.45	1.405	.8531	2.036	3.913	2.653	-4.01	-4.06		
6300			-2.57	-5.23	.1267	-.280	-1.41	-1.09	-.809	3.005	1.155	5.389	-.928	-6.98	-5.26		
8000			.0641	.9310	.9853	-1.39	-2.28	.0181	.4168	.4931	2.437	-1.06	3.596	-2.44	-2.73		
10000			.7780	-.075	-1.37	.1223	-1.12	-1.48	-1.15	.6661	1.261	3.695	3.159	-3.30	-4.81		

AMBIENT TEMP. 44.02
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.021

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 BLD=[illegible] SPEED=6452

E45

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	30.0	40.0	52.5	60.0	72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
	70.39	70.22	71.50	67.50	67.75	68.41	66.51	70.69	71.73	71.25	72.74	74.63	78.86			129.1
	70.12	69.24	82.41	67.06	67.26	68.10	70.78	69.66	71.73	72.83	73.23	75.13	78.67			131.0
	63.45	64.89	65.84	66.12	66.36	67.52	68.03	69.56	70.85	71.47	72.93	74.69	76.88			128.1
	67.93	66.76	67.42	72.37	70.35	71.68	69.69	72.14	73.47	75.64	75.64	76.73	77.32			130.8
125	67.78	74.38	66.68	70.85	69.83	70.67	69.91	71.83	73.96	74.79	75.41	76.24	77.94			130.8
	66.67	66.38	66.09	67.46	68.33	69.59	69.97	70.77	72.41	72.32	74.13	74.93	75.19			129.1
2	67.48	65.62	70.97	65.57	66.89	68.28	70.08	69.99	70.89	70.67	72.93	74.56	72.11			128.3
25	64.79	62.49	61.57	61.83	63.81	65.90	66.91	67.67	67.93	66.89	70.09	71.82	69.39			125.6
3	64.91	65.97	66.52	61.83	62.37	63.29	65.53	65.25	67.15	66.81	64.79	65.46	67.82			123.5
4	66.69	67.01	67.61	64.99	64.68	64.19	63.19	62.82	64.88	68.28	67.97	69.64	68.95			124.3
5	70.64	71.09	70.95	69.37	68.79	69.24	68.33	68.47	68.55	70.31	72.81	70.69	68.29			128.3
	73.68	74.63	73.61	72.89	72.41	73.59	73.42	73.41	74.15	73.41	75.69	73.59	78.73			132.2
	74.26	76.37	73.19	72.71	73.16	73.86	74.75	74.65	76.02	75.76	76.58	73.87	73.15			133.1
	73.53	75.13	71.82	72.43	78.86	72.31	72.96	73.68	76.01	75.78	75.83	74.49	72.47			132.6
125	74.86	79.28	72.45	78.37	74.95	73.37	74.61	74.29	75.36	76.89	78.59	73.48	71.32			134.5
15	79.19	82.95	80.36	78.36	77.33	77.73	78.29	79.84	79.94	81.34	81.84	79.59	75.33			138.7
200?	76.79	80.31	78.86	74.88	73.62	74.98	75.67	75.89	77.63	79.78	79.41	74.89	73.65			136.7
250?	77.73	76.79	79.49	77.23	74.91	74.11	74.73	77.67	78.92	79.78	78.48	71.57	78.49			137.1
315?	85.48	88.18	76.84	80.25	78.57	79.14	79.27	81.49	82.76	79.76	78.84	74.66	72.69			139.6
400?	84.54	86.61	82.25	86.86	86.77	88.63	90.99	88.88	90.88	85.39	86.62	82.87	82.42			148.5
500?	77.38	81.43	77.37	77.15	78.29	78.87	81.26	79.79	81.79	82.76	82.28	75.43	79.19			141.1
630?	77.59	77.39	80.36	80.98	81.22	80.87	78.59	84.51	83.84	87.97	81.58	73.49	72.83			144.2
800?	78.68	82.49	78.99	78.89	77.21	78.61	80.82	81.42	82.45	78.89	83.71	76.94	76.86			144.1
1000?	77.62	78.83	79.68	76.62	76.82	76.93	77.86	78.72	79.84	83.62	82.26	75.46	73.76			144.7
PASSIVE CASE	89.87	92.71	90.31	89.87	90.35	90.51	91.88	91.49	92.76	92.38	92.29	89.63	90.11			
CALCULATED CASE	90.01	92.87	90.25	90.45	91.38	91.49	93.04	92.44	93.77	93.29	92.77	89.12	89.13			
	185.2	186.2	184.3	185.8	187.1	187.2	188.9	187.7	189.3	187.3	187.6	184.5	185.2			
															OAPWL:	153.2

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[illegible] TEMP, 44.[illegible]
[illegible] TEMP, 75.[illegible]
[illegible] PRESS OF 29.2[illegible]
[illegible] HUMIDITY 0.2[illegible]

F[illegible] /CONFESS R = P-AREE 58 + 50 IGVS 9 DEG CLOSED T/D 2/23/72

R[illegible] [illegible] SPEED=6600

RADIAL DISTANCE 250

DATE: 3/22/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET																
	1°,2	2°,2	30,2	40,2	52,2	60,2	70,2	80,2	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0 (PWL)
1	-,977	-1,36	,1285	-3,79	-3,62	-2,97	-2,85	-,687	,3531	-,126	1,369	3,256	7,483				
2	-3,06	-3,93	7,239	-6,11	-5,91	-6,87	-2,48	-3,51	-1,45	-,344	,8982	1,954	5,489				
3	-5,66	-5,21	-4,27	-3,99	-3,74	-2,59	-2,07	-,545	,7412	1,364	2,825	4,364	6,772				
4	-4,84	-4,21	-5,32	-,468	-2,42	-1,09	-3,68	,634	,6975	2,867	2,866	3,961	4,547				
125	-4,83	1,763	-5,93	-1,76	-2,78	-1,94	-2,69	-,780	,4494	2,184	2,798	3,623	4,926				
160	-4,17	-4,46	-2,75	-3,38	-2,52	-1,15	-,877	-,076	1,592	1,472	3,282	3,682	4,347				
200	-2,47	-4,32	1,822	-4,38	-3,06	-1,67	,1273	,8457	,9428	,7242	2,977	4,608	2,155				
250	-1,76	-4,87	-4,99	-4,73	-2,76	-,662	,3455	1,107	1,368	-,473	3,532	4,441	2,828				
315	-,256	1,218	1,559	-3,15	-1,59	-1,65	,5698	,2936	2,191	1,047	-,182	,4985	2,556				
400	,8698	1,196	1,792	-,823	-2,21	-3,67	-2,62	-2,99	-,932	2,484	1,757	3,828	3,138				
500	1,115	1,564	1,431	-,149	-,734	-,285	-1,19	-1,85	-,971	,7827	3,283	1,163	-1,23				
630	,4337	1,382	,3639	-,347	-,841	,3531	,1760	,1617	,9868	,1621	2,451	,3466	-2,91				
800	-,043	2,267	-1,12	-1,59	-1,15	-,441	,4521	,3455	1,719	1,459	2,201	-,429	-1,16				
1000	,2435	1,839	-1,47	-,862	-2,43	-,979	-,334	,3125	,7186	2,487	2,542	1,199	-,819				
1250	-,184	4,228	2,402	,3256	-,897	-1,68	-,442	-,759	,3111	1,248	,9425	-2,65	-3,73				
1600	,1648	3,918	1,329	-,669	-1,69	-1,30	-,748	,8892	,9838	2,311	2,888	-3,44	-5,69				
2000	,8272	3,544	2,899	-1,88	-3,14	-1,86	-1,09	-,888	,8613	2,934	2,645	-1,87	-3,12				
2500	,8309	1,895	2,597	,3295	-1,99	-2,79	-2,17	,7675	2,815	2,799	1,525	-5,34	-6,41				
3150	1,477	1,896	-2,97	1,249	-,435	,1385	,2876	2,491	3,754	-3,25	-,988	-4,35	-6,31				
4000	-2,85	1,225	-5,14	-1,32	1,379	1,242	3,599	,6883	2,695	-1,99	-,764	-4,51	-4,97				
5000	-2,24	1,889	-2,25	-2,47	-1,52	-,752	1,639	,1884	2,135	3,138	2,699	-4,19	-4,43				
6300	-4,09	-4,39	-1,41	-,810	-,574	-,921	-3,19	2,719	1,249	6,183	-,288	-8,29	-9,76				
8000	-1,35	2,459	-1,84	-1,97	-2,33	-1,43	-,012	1,388	3,611	-1,15	3,676	-3,89	-3,48				
10000	-,906	,3281	-2,83	-1,89	-2,49	-1,98	-1,45	,2183	1,331	5,118	3,755	-3,85	-4,74				

AMBIENT TEMP, 44,6°
WET-BULB TEMP, 35,20
BAROMETRIC PRESSURE 29,17
ABSOLUTE HUMIDITY ,0021

FAN 1A /1B PRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/76

RUN 215 RUN 87 SPEED=6600

RADIAL DISTANCE 250

DATE: 3/05/78 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																	
	7.2	17.2	26.0	30.0	40.0	50.0	60.0	70.0	82.0	90.0	100.0	110.0	120.0	130.0	140.2	150.2	160.2	170.0	(PWL)
FREQ.																			
50				70.91	70.47	71.73	68.23	68.82	69.53	69.61	71.91	72.31	72.38	73.17	75.12	79.12			139.7
63				70.59	68.98	80.21	68.07	68.33	69.58	7[illegible].75	70.76	71.84	73.32	73.66	75.94	79.42			141.4
80				64.41	66.26	67.35	67.79	67.67	69.37	69.79	71.11	72.39	73.43	74.72	76.27	78.96			139.6
100				68.79	68.68	69.35	71.11	71.72	71.77	72.02	72.74	73.25	74.59	75.[illegible]	77.61	78.92			141.3
125				73.57	75.64	74.89	76.86	75.96	74.94	74.76	74.55	74.07	76.21	76.88	78.16	79.77			142.1
160				67.28	67.62	68.59	80.63	69.61	78.86	71.27	72.82	73.82	73.82	74.93	75.48	76.83			139.7
200				67.74	65.92	71.39	66.98	68.13	69.25	78.71	71.51	72.36	71.56	73.41	74.98	78.39			139.1
250				65.04	63.36	63.67	63.69	66.11	68.14	69.95	69.28	69.94	67.48	78.59	78.96	78.29			138.4
315				66.19	66.97	67.84	64.69	64.51	64.93	66.88	67.38	67.79	66.48	68.93	66.82	69.89			134.7
400				68.89	67.77	69.11	66.92	64.99	64.66	64.33	64.16	64.21	69.82	71.48	78.67	78.64			138.8
500				78.78	71.58	73.58	78.91	78.56	78.89	67.98	68.89	78.13	78.89	78.98	73.86	69.75			138.1
630				73.71	74.83	74.81	74.99	73.69	74.95	75.14	74.89	77.15	79.76	78.16	74.99	71.96			138.9
800				74.29	76.38	74.14	74.68	74.78	74.95	75.87	76.86	77.72	76.89	77.28	74.31	74.21			136.4
1000				72.69	75.81	72.89	74.47	73.68	73.88	74.31	75.48	75.89	74.72	74.92	73.28	72.79			133.8
1250				74.72	78.88	78.89	78.86	78.79	74.79	75.89	75.88	76.84	78.46	78.19	76.84	73.79			138.8
1600				79.31	82.48	81.18	79.91	79.49	79.81	78.74	80.16	80.13	81.35	81.61	78.84	74.36			139.4
2000				76.21	79.18	80.17	76.54	75.87	76.28	76.66	77.98	78.84	81.39	79.85	73.71	76.17			137.4
2500				77.38	78.17	80.41	78.76	76.84	76.98	77.83	78.75	79.77	80.88	78.87	72.38	72.12			138.4
3150				79.47	78.[illegible]	77.81	81.17	80.68	80.25	80.18	83.17	83.24	77.74	[illegible].48	74.71	72.96			142.9
4000				83.11	80.1[illegible]	[illegible].18	84.79	80.38	87.82	86.89	89.89	91.81	85.98	91.38	81.16	81.12			140.7
5000				78.96	84.88	80.86	80.32	83.36	82.49	83.93	84.43	87.41	89.81	87.82	78.82	77.94			140.1
6300				76.99	75.83	80.54	78.97	79.95	79.85	78.17	83.85	83.28	86.76	81.23	73.36	72.72			148.5
8000				78.17	79.54	79.51	79.27	78.94	80.65	81.82	81.95	83.87	80.48	86.46	75.49	76.17			144.8
10000				77.85	77.93	77.81	78.39	77.85	78.87	78.92	80.98	80.53	82.22	80.46	74.66	74.85			140.8
MEASURED OASPL				89.56	92.61	91.17	90.72	91.82	91.49	91.99	93.18	94.69	93.28	95.89	89.98	90.92			
CALCULATED OASPL				89.64	92.49	93.87	90.98	92.21	91.87	92.36	93.64	95.38	93.65	95.86	89.84	89.77			
PNDB				184.9	187.4	184.9	188.9	187.7	187.8	187.8	188.9	110.8	187.8	110.9	180.2	180.8			
																	OAPWL:		153.9

AMBIENT TEMP.	44.00
WET-BULB TEMP.	35.00
BAR. PRESSURE	29.17
ABS. HUMIDITY	2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN=15 RUG=168 SPEED=6980

RADIAL DISTANCE 250

DATE: 3/25/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	7.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50				-1.07	-1.52	-.256	-3.76	-3.17	-2.45	-2.37	-.876	.3261	.3188	1.181	3.141	7.140			
63				-2.98	-4.59	6.837	-5.91	-5.25	-3.99	-1.83	-2.81	-1.73	-.255	.8836	2.369	5.849			
80				-7.27	-5.41	-4.33	-3.18	-4.00	-2.31	-1.89	-.978	.7153	1.754	3.848	4.992	6.383			
100				-4.43	-4.55	-3.88	-2.2	-1.51	-1.45	-1.21	-.483	.0284	1.362	2.471	4.379	5.688			
125				-2.21	-.146	-1.69	.2827	1.179	-.039	-1.02	-1.23	-.916	.4389	2.419	2.387	3.988			
160				-4.67	-4.33	-3.35	-3.32	-2.34	-1.89	-.683	.9641	1.866	1.866	2.977	3.986	4.883			
200				-2.99	-4.82	.8721	-3.75	-2.59	-1.47	-.812	.7834	1.977	.8324	2.683	4.179	1.668			
252				-2.95	-4.63	-4.32	-4.29	-1.88	.1502	1.961	1.294	1.949	-.588	2.686	2.969	2.398			
315				.1249	.8832	.9582	-1.38	-1.57	-1.15	.0829	1.242	1.716	.3993	-.156	.1424	3.811			
400				-.603	.2799	1.623	-1.07	-2.49	-2.03	-3.16	-3.33	-1.28	2.333	3.998	3.183	3.154			
500				-.574	.2293	2.826	-.446	-.739	-.464	-1.37	-2.46	-1.22	1.987	4.583	.7868	-1.48			
630				-1.25	-.083	-.153	.8241	-1.26	-.817	.1702	-.078	2.181	.7925	3.894	.8817	-3.81			
800				-1.02	.9942	-1.17	-.628	-.527	-.394	.3649	.7757	2.412	.7897	1.892	-.996	-1.89			
1000				-1.21	1.162	-1.02	.5561	-.236	-.836	.3938	1.571	1.179	.8834	1.883	-.628	-1.11			
1250				-1.63	2.452	2.836	.3849	-.568	-1.56	-.955	-1.28	-.116	3.184	2.839	-3.91	-4.86			
1600				-.423	2.746	1.867	.1789	-.881	-.936	.8818	.4818	.3969	1.997	1.876	-3.49	-6.36			
2000				-1.39	1.569	2.953	-1.87	-1.74	-1.33	-.949	.3674	.4278	3.773	1.935	-3.98	-5.45			
2500				-.819	.8154	2.858	.8693	-1.31	-1.17	-.922	1.994	1.416	2.658	1.513	-6.65	-6.83			
3150				-.468	-1.89	-2.92	1.239	.7956	.3171	.1742	3.244	3.335	-2.19	-.878	-8.22	-6.95			
4000				-4.48	.5556	-8.37	-2.75	.8389	-.525	.5428	1.543	4.268	-1.68	3.736	-6.39	-6.43			
5000				-4.64	.4736	-3.54	-3.28	-.238	-1.10	.3281	.8314	3.889	1.414	4.221	-8.98	-8.66			
6300				-3.87	-5.03	-.321	-.894	-1.29	-1.81	-2.69	2.189	2.413	5.981	.3635	-7.58	-9.14			
8000				-2.64	-1.27	-1.31	-1.54	-1.87	-1.63	.2188	1.131	2.259	-.389	5.644	-8.32	-6.64			
10000				-1.79	-2.13	-2.64	-1.27	-1.79	-.986	-.729	1.266	.8732	2.565	5.885	-4.99	-4.79			

AMBIENT TEMP, 44.20
WET-BULB TEMP, 35.08
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 RDG=188 SPEED=6900

RADIAL DISTANCE 250

DATE: 3/12/7? PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5				72,36	71,87	72,46	69,84	70,19	75,87	74,76	73,54	74,92	78,83	74,83	77,88	81,87			131,9
[illegible]				72,95	70,58	82,31	71,19	71,02	73,61	74,95	72,29	73,92	74,39	75,16	77,29	81,42			132,9
[illegible]				66,77	68,95	68,94	68,78	69,56	72,77	73,91	72,28	73,45	73,97	75,99	77,32	79,66			131,3
1				68,29	69,47	69,54	71,16	71,02	73,33	74,12	73,63	74,32	75,61	77,25	78,81	80,18			132,4
125				72,87	76,45	73,47	79,01	76,26	78,26	77,19	76,29	75,58	78,01	79,04	79,89	83,92			133,9
16?				68,69	68,76	68,87	68,87	70,54	72,66	73,28	73,18	75,29	75,89	75,94	77,36	78,15			131,8
2				68,83	67,51	71,12	67,96	69,45	71,17	72,18	72,71	73,85	73,16	75,46	77,07	74,99			130,7
25?				67,08	64,69	64,07	64,59	67,47	71,84	70,66	71,98	72,35	69,64	72,69	73,85	72,89			128,7
315				67,33	68,26	67,67	65,57	66,44	67,58	68,44	69,66	70,65	68,59	67,56	69,68	71,24			126,7
40?				69,39	70,28	70,11	68,23	65,19	65,25	68,91	37,49	68,88	71,66	71,64	73,86	72,83			127,7
50?				72,73	73,28	76,62	72,19	72,64	71,29	71,72	70,26	69,62	73,23	73,83	73,63	71,12			131,5
63?				74,19	75,58	74,77	74,71	74,54	75,72	75,62	75,96	76,12	75,88	78,43	76,84	72,49			134,3
8?				74,61	76,69	75,97	75,12	76,03	77,85	77,68	76,32	79,89	78,54	78,33	76,42	73,69			136,1
12?				78,79	75,66	73,49	74,88	74,58	75,69	76,49	77,71	78,58	78,26	76,75	75,99	75,35			136,2
125				76,26	77,94	76,83	78,33	73,87	74,37	75,81	76,81	76,46	77,89	77,99	74,19	72,94			136,0
16?				78,87	81,33	80,64	78,97	78,65	79,46	79,56	79,79	79,95	81,71	81,48	78,86	74,83			139,1
200?				75,59	78,89	79,26	76,14	75,00	77,32	77,49	79,19	80,89	81,21	79,71	74,82	74,85			137,9
250?				76,82	77,91	79,88	78,39	75,58	77,84	76,99	78,99	79,96	80,56	78,39	72,78	72,63			137,9
315?				80,33	79,89	76,49	81,17	79,53	81,42	81,42	84,15	84,79	77,11	78,41	76,85	74,24			144,1
400?				82,83	84,61	79,25	84,13	86,83	89,61	87,88	86,74	91,84	84,95	85,36	80,61	80,96			147,3
500?				83,56	86,28	82,34	85,84	89,49	92,73	88,95	86,33	93,18	88,14	87,95	82,33	83,29			149,9
630?				77,89	7[illegible],48	79,73	80,17	78,39	80,56	79,22	84,27	83,84	84,21	80,29	74,35	72,94			142,9
800?				77,95	79,85	77,35	77,85	76,97	80,13	81,44	81,48	83,55	79,85	81,79	75,73	75,81			143,7
1000?				79,76	79,23	77,58	80,16	77,15	80,16	84,16	81,89	82,88	82,81	80,34	76,24	76,96			147,4
MEASURED OASPL				88,85	92,85	91,56	91,82	92,62	95,58	93,67	93,49	96,36	93,63	93,96	91,99	93,42			
CALCULATED OASPL				98,54	92,81	90,81	91,83	93,88	99,83	94,32	93,79	97,87	93,89	94,28	90,74	91,75			
PWL				134,9	1[illegible]6,5	134,4	136,2	137,9	110,6	136,5	136,3	111,8	136,4	136,5	134,1	134,4			

OAPWL: 154,9

AMBIENT TEMP, 44,00
WET-BULB TEMP, 35,00
BAR. PRESSURE 29,17
REL. HUMIDITY 2,821

FAN FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/79

RUN=15 RUN=100 SPEED=7100

E50

RADIAL DISTANCE 25ø

DATE: 5/11/79

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

RPM	ANGLES FROM INLET																
	1?,0	2?,	30,0	4?,0	50,?	6?,?	72,0	8?,?	90.0	100,0	110,?	120,0	130,0	140,0	150,0	160,0	170,0 (PWL)
5-EC.																	
5?			-1,56	-2,35	-1,75	-4,38	-4,02	,8502	,5437	-,677	,7832	-1,39	,6191	2,862	6,894		
6?			-2,17	-4,54	5,183	-3,93	-4,16	-1,92	-,178	-2,84	-1,19	-,727	,8669	2,172	6,299		
8?			-4,54	-4,37	-4,37	-4,53	-3,75	-,540	,6816	-1,03	,1219	,8997	2,678	4,807	6,347		
12?			-0,04	-4,86	-4,79	-3,17	-3,31	-,991	-,203	-,694	-,884	1,283	2,921	4,484	5,892		
12?			-4,98	-1,32	-2,29	1,242	-1,50	,4953	-,575	-1,47	-2,26	1,043	1,873	2,123	5,755		
16?			-4,84	-4,78	-4,67	-4,67	-3,00	-,885	-,337	-,381	1,731	1,551	3,398	3,842	4,489		
20?			-3,52	-4,84	-1,25	-4,39	-2,90	-1,16	-,109	,3561	1,499	,8114	3,114	4,723	2,646		
25?			-3,16	-5,54	-6,17	-5,65	-2,78	1,598	,4217	1,737	2,119	-,689	2,494	3,685	2,648		
31?			-,831	,1302	-,486	-2,59	-1,72	-,575	,2837	1,502	2,493	,4339	-,593	1,246	3,086		
40?			,3194	1,258	1,875	-,799	-3,84	-3,79	-3,13	-1,54	-,958	2,623	2,486	3,883	2,993		
50?			,0886	,6383	4,288	-,439	,0866	-1,35	-,917	-2,38	-3,81	,5915	3,169	,9935	-1,98		
63?			-1,15	,2328	-,977	-,632	-,807	,3754	,2748	,6158	,7699	,5149	3,881	1,406	-2,86		
80?			-2,39	-,297	-1,03	-1,85	-,965	,8544	,6810	1,923	2,980	1,949	1,333	-,979	-1,29		
122?			-3,16	-,296	-2,55	-1,07	-1,37	-,385	,5396	1,754	2,632	2,384	,8814	,8435	-,997		
125?			,6917	2,376	,9621	-,239	-1,69	-1,19	-,956	,4476	,8971	1,731	2,482	-1,37	-2,63		
10??			-1,29	1,956	1,272	-,482	-,785	,8837	,1869	,4131	,8819	2,333	2,188	-3,81	-8,84		
2?00			-2,44	,5549	1,224	-1,89	-3,83	-,712	-,948	1,169	2,883	3,177	1,679	-3,81	-3,18		
25??			-,945	,1446	2,121	,6343	-2,18	-,723	-,777	1,223	2,282	2,797	,8285	-4,98	-8,13		
315?			-,223	-1,46	-4,87	,6187	-1,82	,8654	,8044	3,596	4,247	-3,[illegible]	-2,15	-4,49	-6,31		
40??			-3,38	-1,59	-6,96	-2,88	,0234	3,487	,8736	,5318	4,835	-1,66	-,848	-5,59	-5,24		
50??			-4,88	-2,24	-6,12	-2,61	1,845	4,286	,5021	-2,11	4,734	-,388	-,598	-6,12	-5,16		
63??			-2,61	-4,82	-,714	-,337	-2,11	,0644	-1,28	3,773	2,961	3,711	-,287	-6,15	-7,96		
80??			-1,73	-,632	-2,33	-1,83	-2,71	,4467	1,753	1,794	3,871	,1782	2,114	-3,95	-4,67		
100??			-1,93	-2,06	-3,71	-1,14	-4,14	-1,13	2,878	,6844	1,988	1,924	5,853	-8,85	-4,33		

AMBIENT TEMP, 44,[illegible]
WET-BULB TEMP, 35,[illegible]
BAR, [illegible] 29,[illegible]
ABS, HUMIDITY 2,[illegible]

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/79

RUN #15 RUNNING SPEED=7180

RADIAL DISTANCE 250

DATE 3/11/70 PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET .0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	176.0	(PWL)
50				72,74	71,29	74,63	76,85	70,15	76,54	76,46	72,75	73,75	73,21	75,01	77,67	81,61		151,4
63				73,11	72,97	75,06	76,78	76,97	71,64	72,86	73,09	73,75	75,22	76,33	78,71	82,67		150,5
80				69,16	68,33	69,10	69,26	69,51	71,39	71,42	72,71	73,99	74,79	76,46	78,57	80,49		151,6
100				70,5	69,75	69,65	70,82	71,29	72,25	72,97	73,88	74,73	76,38	77,45	79,94	81,15		152,0
125				75,34	75,79	76,04	71,38	72,65	72,77	73,55	76,16	78,85	82,73	81,37	82,44	80,85		154,4
160				71,43	69,46	68,81	70,21	71,42	72,39	72,85	73,61	75,39	75,49	77,15	78,42	78,67		150,3
200				71,42	68,32	68,93	69,11	70,14	70,89	72,14	73,88	73,88	73,66	75,92	77,49	74,38		150,9
250				70,39	66,92	65,47	65,84	68,63	69,42	70,45	70,32	71,22	71,05	72,69	73,74	73,42		148,6
315				69,28	67,86	67,68	65,35	67,74	66,86	68,70	67,73	69,71	67,25	68,11	69,28	71,14		146,4
400				69,83	70,33	71,51	67,87	69,24	35,67	89,98	35,74	69,88	72,12	74,24	74,24	73,73		149,1
500				72,59	71,68	73,89	76,99	74,86	72,83	74,62	71,39	72,89	74,29	78,08	75,57	73,79		152,3
630				74,54	74,53	76,42	75,17	75,97	75,43	77,59	76,15	77,89	77,73	88,33	77,98	74,93		155,5
800				77,55	77,29	79,89	76,44	76,88	77,49	88,82	79,09	82,89	83,31	81,99	77,81	77,49		158,6
1000				74,91	75,99	74,67	74,89	75,29	74,25	76,59	74,63	77,12	76,13	77,83	74,91	74,99		154,6
1250				73,99	74,78	75,64	74,73	78,79	74,88	77,49	74,73	77,49	77,88	79,42	78,32	78,48		155,3
1600				76,24	78,72	79,27	77,87	78,29	78,26	78,75	79,86	88,52	81,31	81,98	77,45	76,72		158,7
2000				74,62	76,68	78,12	74,14	75,88	74,89	77,24	75,21	77,97	78,13	78,87	73,84	76,23		154,1
2500				74,26	75,19	76,88	75,75	75,64	[illegible]25	77,75	77,57	79,53	79,19	78,89	71,29	75,82		154,9
3150				78,68	77,18	76,93	79,34	79,57	74,36	81,88	82,82	82,91	74,99	78,42	74,69	78,16		159,7
4000				80,56	83,13	80,58	83,98	85,29	85,82	81,82	84,64	86,83	81,59	83,49	77,98	78,82		164,9
5000				85,15	89,64	88,26	91,83	91,50	93,87	98,41	86,26	98,37	88,79	89,53	81,74	83,81		171,8
6300				76,67	76,55	82,62	79,19	80,61	79,94	82,37	82,32	84,85	82,46	88,56	74,79	76,83		163,9
8000				76,43	78,35	78,93	77,13	79,49	79,48	81,67	79,88	82,63	78,14	86,14	75,48	76,19		163,2
10000				79,63	80,19	80,49	81,57	82,10	83,14	82,85	82,17	83,88	83,75	84,93	77,62	78,26		168,8
MEASURED OASPL				92,28	92,72	92,27	93,15	93,58	94,56	93,99	92,58	94,85	93,92	94,77	93,09	94,58		
CALCULATED OASPL				90,42	92,63	91,58	93,96	94,21	95,78	94,42	92,73	95,19	93,97	94,78	91,27	92,73		
PNDB				105,2	107,8	106,3	109,1	109,4	110,7	109,4	108,9	109,9	108,4	109,3	105,9	104,9		
																OAPWL:		155,1

AMBIENT TEMP, 44,00
WET-BULB TEMP, 35,00
BAR. PRESSURE 29,11
REL. HUMIDITY 2,826

FAN FOR /LOW PRESSURE - PHASE 5B + 60 IGVS 9 DEG CLOSED T/T 2/23/70

RUN =15 RUG=19 SPEED=7300

E52

RADIAL DISTANCE 25ft

DATE: 3.11.7

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5				-,879	-2,33	-2,99	-3,57	-3,48	-3,29	-3,16	-,875	,1302	-,415	1,385	4,244	7,987			
63				-1,54	-3,69	,3993	-3,88	-3,66	-3,01	-1,88	-1,57	-,983	,5593	1,473	4,856	7,415			
[illegible]				-4,49	-5,32	-4,46	-4,39	-4,14	-2,26	-2,23	-,933	,3466	1,154	2,818	4,924	6,854			
[illegible]				-4,26	-5,21	-5,11	-3,94	-3,47	-2,48	-1,79	-,881	-,824	1,539	2,691	5,184	6,423			
125				-3,19	-2,71	-8,45	-7,19	-5,84	-5,73	-4,95	-2,34	-,432	4,233	2,876	3,944	7,553			
16				-2,61	-4,57	-5,22	-3,82	-2,91	-1,64	-1,18	-,219	1,354	1,468	3,117	4,386	4,837			
20				-4,09	-4,28	-3,59	-3,41	-2,38	-1,62	-,384	,9589	1,363	1,139	2,999	4,932	1,864			
25				,2699	-3,19	-4,65	-4,28	-1,48	-,696	,3359	,2015	1,163	,9358	2,769	3,623	3,298			
31[illegible]				1,435	,0149	,0392	-2,49	-,899	-1,78	,8595	-,111	1,863	-,592	,2621	1,448	3,297			
40				-,598	-,899	1,875	-3,37	-1,19	-4,76	-,454	-4,69	-,551	1,690	3,883	3,887	3,495			
50				-,934	-1,86	,8852	-2,54	,9267	-1,49	1,898	-2,15	-,832	,7998	4,468	2,886	,8888			
63				-1,99	-2,01	-,121	-1,37	-,577	-1,11	1,846	-,392	1,358	1,186	3,782	1,361	-1,61			
80				-1,97	-2,22	,3735	-3,88	-2,64	-2,83	,5825	-,424	3,373	3,789	2,481	-1,71	-2,83			
[illegible]				-,392	,6856	-,631	-1,21	-,883	-1,86	1,295	-,671	1,813	,8279	2,527	-,389	-,313			
125				-1,99	-1,13	-,242	-1,16	-,889	-1,88	1,612	-1,16	1,881	1,119	3,539	-,964	-,489			
160				-2,98	-,398	,2474	-1,38	-,737	-,758	,7724	,8481	1,496	2,887	2,882	-1,57	-2,38			
200				-1,55	,9182	1,954	-2,83	-1,17	-1,27	1,129	-,959	1,888	1,963	2,588	-3,18	,8812			
250				-2,52	-1,59	1,297	-1,83	-1,14	-1,53	,9685	,7933	2,748	2,413	2,186	-3,49	-1,76			
315				-,500	-1,99	-2,25	,1816	,3928	,1839	1,982	2,847	3,734	-4,16	-,781	-4,48	-4,87			
400				-3,18	-,685	-3,16	,1686	1,981	2,883	2,889	,9829	3,895	-2,15	-,287	-8,75	-8,22			
500				-4,39	,2925	-3,29	2,288	1,955	4,326	,8637	-3,29	,8191	-,759	-,819	-7,80	-8,53			
63[illegible]				-3,86	-3,98	,8711	-1,34	,8823	-,596	1,834	1,784	3,918	1,951	,8267	-8,74	-3,69			
800				-2,71	-,792	-,819	-2,81	,3465	,3335	2,923	,7488	3,489	-1,81	,9942	-3,66	-2,95			
1000				-2,23	-1,66	-1,36	-,294	,2425	1,276	,9905	,3139	1,219	1,886	3,867	-4,24	-3,60			

AMBIENT TEMP, 44,2[illegible]
REFERENCE TEMP, 35,8[illegible]
BAR. PRESSURE 29,11
RHS, MANIFOLD 2,[illegible]26

FAA FA /CC PRESS - 9-ASE 50 & 50 IGVS 9 DEG CLOSED T/D 2/23/72

ROTOR [illegible] STATOR [illegible] SPEED=7300

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	178.0	(PWL)
50				76.47	73.78	73.55	71.16	72.11	74.06	75.83	74.05	75.39	74.43	76.04	79.01	83.14	138.4
63				78.15	75.20	77.57	74.73	74.45	75.34	76.67	73.93	76.75	76.92	78.68	80.73	84.31	139.3
80				74.36	71.99	72.67	71.19	71.86	73.67	75.11	74.58	75.56	76.22	77.91	80.10	82.29	133.6
100				75.25	72.16	71.77	71.59	72.69	74.18	75.23	75.68	75.95	77.15	78.76	81.29	82.59	134.3
125				76.92	76.99	71.95	72.04	74.32	76.22	75.35	80.25	80.36	84.39	84.18	84.62	86.12	138.5
160				76.79	72.56	70.89	71.26	72.65	74.12	74.33	75.45	76.94	76.94	78.65	79.60	80.48	133.9
200				77.32	71.69	69.98	70.21	71.59	72.84	74.01	74.52	75.15	74.51	76.84	78.78	76.24	132.6
250				76.46	71.42	66.43	67.52	70.63	72.76	73.69	73.28	73.28	70.07	74.88	75.09	73.69	130.9
315				77.99	73.46	67.67	66.58	69.51	69.84	70.97	69.95	71.23	69.81	68.88	70.24	72.33	129.3
400				75.56	72.25	69.78	68.25	69.24	68.11	66.98	67.93	70.41	72.99	73.07	75.19	75.29	130.1
500				77.68	74.08	72.93	71.33	71.45	71.63	72.63	71.82	73.20	74.85	77.49	75.79	74.45	132.4
630				77.94	76.41	75.29	75.29	75.11	74.87	75.38	76.32	77.46	76.61	79.58	78.19	74.93	134.1
800				78.14	77.18	77.69	75.72	77.85	78.31	79.08	80.55	82.49	81.97	81.01	77.97	77.13	138.2
1000				77.77	77.26	74.67	75.68	77.35	77.08	78.43	76.59	77.61	77.39	78.15	76.05	75.92	138.9
1250				76.51	75.28	74.93	74.49	76.44	76.77	78.39	76.59	78.54	76.93	79.88	74.23	75.35	138.9
1600				78.19	77.87	77.64	76.39	76.01	75.99	76.94	78.26	79.39	80.29	81.87	76.13	77.01	137.6
2000				76.38	76.82	77.36	74.29	75.13	75.78	76.27	75.96	77.94	78.17	78.25	73.15	76.32	136.3
2500				76.28	74.22	76.47	76.71	76.49	77.24	78.12	77.11	78.25	77.73	77.49	71.62	75.25	136.7
3150				80.19	76.94	75.56	79.15	79.98	80.88	80.33	81.90	81.56	73.73	77.36	74.14	75.43	139.5
4000				81.56	81.67	77.33	80.07	83.52	83.49	84.47	84.38	85.68	78.89	81.98	77.28	77.91	143.3
5000				86.97	89.89	86.08	87.51	90.05	91.85	89.57	87.79	87.35	88.75	87.85	83.78	83.28	149.7
6300				79.63	76.77	79.09	78.69	80.18	79.82	82.06	81.62	81.63	81.63	80.17	73.92	76.36	142.3
8000				80.34	78.23	77.34	76.86	79.23	79.51	81.05	80.52	81.82	77.61	78.62	74.73	75.89	143.8
10000				82.58	79.96	79.36	81.14	82.68	82.66	82.91	82.33	82.15	81.87	83.87	76.61	77.94	147.6
TRUE SUMMED DASPL				96.85	94.11	91.82	91.62	93.15	94.11	94.53	93.84	94.37	93.93	94.74	94.80	95.61	
CALCULATED DASPL				93.67	92.92	92.85	91.44	93.42	94.49	94.69	93.48	94.82	93.69	94.14	92.29	93.48	
PNDB				127.5	126.2	125.7	126.9	126.5	126.7	126.8	126.9	126.8	126.1	126.3	124.9	126.2	

OAPWL: 154.4

[illegible] TEMP.	44.09
WET-BULB TEMP.	35.08
[illegible] PRESSURE	29.11
[illegible] HUMIDITY	2.926

FAN A /CO[illegible]RESSOR + PHASE 5B + 5C 16V5 & UEG CLOSED 7/7 2/25/70

PLENUM PUMP#9 SPEED=7500

354

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	17.2	2.	32.0	40.2	5..	6..	72.2	8..	9..	102.0	112.0	122.0	132.0	142.0	152.0	162.0	172.0	(P.L)
5			,8061	-1,88	-2,12	-4,51	-3,56	-1,61	,1573	-,622	-,273	-1,24	,3789	3,342	7,469			
63			,7773	-2,19	,1484	-2,67	-2,95	-2,86	-,734	-1,47	-,652	-,482	1,246	3,329	6,911			
8			-1,26	-3,65	-2,95	-4,45	-3,79	-1,97	-,537	-1,07	-,882	,2785	2,266	4,455	6,154			
1			-1,23	-4,11	-4,57	-4,68	-3,58	-2,09	-1,04	-,617	-,326	,6778	2,467	5,024	6,316			
125			-3,42	-3,35	-6,36	-6,30	-6,02	-4,12	-4,99	-,083	,3223	4,862	3,781	4,279	5,787			
16			1,285	-3,14	-5,61	-4,63	-3,05	-1,59	-1,38	-,249	1,234	1,233	3,156	[illegible]	4,773			
2			3,083	-2,55	-4,25	-4,83	-2,65	-1,48	-,226	,2778	,9137	,2796	2,603	[illegible]	2,885			
25			4,041	-1,00	-5,99	-4,91	-1,79	,3405	1,266	,8523	,8569	-2,36	2,456	2,667	1,264			
315			7,238	2,729	-3,28	-4,25	-1,25	-,909	,2185	-,804	,4716	-1,74	-1,95	-,513	1,579			
40			4,152	,8472	-1,63	-3,17	-2,17	-3,29	-1,43	-3,48	-,996	1,583	2,465	3,791	3,893			
5			3,519	,9175	-,627	-2,23	-2,11	-1,93	-,924	-1,74	-,359	1,286	3,941	2,238	,8919			
63			1,768	,2355	-,875	-,882	-1,86	-1,51	-,789	,1437	1,229	,4485	3,407	2,816	-1,24			
8			-,984	-1,94	-2,43	-3,41	-1,27	-,819	-,047	1,428	3,364	2,647	1,889	-1,16	-1,99			
1			1,261	,5474	-2,84	-1,83	,6438	,3787	1,718	-,163	,9882	,6874	1,424	-,659	-,794			
125			,8679	-1,16	-1,52	-1,95	-,886	,3283	1,939	,1486	2,863	,4886	2,635	-2,21	-1,10			
160			,8636	-,263	-,287	-1,94	-1,92	-1,94	1,888	,3382	1,867	2,366	3,141	-1,79	-,982			
200			-,878	,4399	,5627	-2,89	-1,25	-,599	1,886	-,418	1,961	1,784	1,867	-3,23	-,859			
250			-,271	-2,27	-,801	,2367	,0268	,5633	1,647	,6483	1,779	1,256	1,822	-4,86	-1,22			
315			1,244	-2,88	-3,38	,2882	1,035	1,935	1,387	2,958	2,616	-5,21	-1,58	-4,79	-3,91			
400			-,611	-,495	-4,84	-2,89	1,354	1,317	2,302	2,216	3,588	-3,28	-,594	-4,89	-4,26			
500			-1,25	1,664	-2,14	-,789	1,828	3,833	1,358	-,424	-,866	,5315	-,373	-4,44	-4,94			
63			-,180	-3,25	-,719	-1,13	,3611	,8882	2,241	2,886	1,819	1,819	,3935	-5,89	-3,4[illegible]			
8			1,349	-,787	-1,65	-2,14	,2424	,5883	2,854	1,529	2,829	-1,39	-,371	-4,27	-3,89			
1			1,213	-1,51	-2,11	-,332	1,218	1,189	1,438	,8635	,6748	,3992	2,402	-4,87	-3,93			

[illegible] TEMP, 44,02
[illegible] TEMP, 30,7
[illegible], PRESS RE 29,11
[illegible], [illegible]ILITY ,42[illegible]

FAN FA /COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG CLOSED T/D 2/23/[illegible]

FAN RPM: 8[illegible]51 SPEED=7500

RADIAL DISTANCE 250

DATE: 3/21/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5	74,99	73,95	72,34	71,80	72,54	73,51	72,53	75,12	76,32	76,25	79,16	81,81	85,92			134,5
6	75,55	73,78	76,89	74,17	74,39	75,07	75,47	76,09	76,89	78,48	79,70	82,03	85,79			138,7
8	72,62	72,29	72,29	72,49	72,66	73,96	74,23	75,58	77,01	77,71	79,92	82,33	84,48			138,8
1	73,47	72,64	71,31	73,23	73,67	75,01	75,23	76,42	77,34	78,66	80,43	83,28	84,36			135,7
125	77,06	80,32	78,38	79,95	79,21	81,86	76,48	79,69	84,88	83,49	84,14	84,48	88,18			139,3
160	74,38	72,95	71,22	72,82	73,73	75,17	75,23	76,29	78,13	78,48	80,63	81,97	82,41			135,3
200	74,69	71,42	70,15	71,04	71,64	72,91	74,12	75,32	76,22	75,49	78,76	81,14	78,57			132,6
250	72,32	69,74	66,01	70,32	69,83	71,21	72,35	73,59	74,09	72,75	75,79	78,54	75,75			131,3
315	72,53	71,29	68,94	67,12	67,12	67,38	69,39	70,19	71,72	70,68	73,28	72,36	73,84			128,5
400	75,46	73,33	72,71	69,93	69,94	70,21	70,63	68,39	72,83	76,97	79,45	76,48	76,22			131,7
500	76,52	74,66	75,47	73,37	76,54	78,13	77,69	74,26	74,51	76,38	78,47	78,87	78,89			134,9
630	78,31	76,61	76,91	77,55	78,41	77,71	77,68	78,14	79,01	78,83	80,63	78,69	74,86			136,7
800	79,09	76,92	75,79	77,39	78,79	82,89	80,44	80,31	85,51	83,94	82,19	80,28	77,98			139,7
1000	75,01	75,31	74,57	74,57	74,98	75,18	76,99	76,84	79,36	80,54	80,66	79,25	78,22			136,5
1250	77,01	76,98	77,23	76,98	80,51	79,42	81,87	78,81	78,98	78,22	79,86	76,84	76,64			137,9
1600	77,03	78,53	78,83	78,34	79,77	80,33	83,68	81,29	81,76	82,83	82,16	76,59	76,37			140,8
2000	73,61	75,18	76,41	77,07	79,68	78,28	78,43	77,84	79,64	79,34	80,14	75,66	76,89			137,8
2500	73,92	73,76	77,71	76,87	77,69	77,79	78,22	78,23	79,69	79,82	78,38	71,93	74,78			137,5
3150	77,91	76,07	75,75	80,81	79,55	80,39	80,29	81,98	81,68	74,88	77,92	74,73	74,98			139,4
4000	79,53	80,68	77,46	79,61	81,82	81,87	84,85	84,14	84,65	79,26	81,96	77,07	77,15			142,7
5000	85,84	89,61	88,25	86,37	87,82	92,66	92,94	91,10	90,83	90,73	90,32	83,89	84,87			151,1
6300	78,28	77,38	80,32	78,69	79,77	80,35	82,57	82,39	82,38	83,76	81,89	74,89	76,86			142,9
8000	78,05	78,05	78,48	77,28	78,34	81,76	81,91	81,54	82,99	81,14	80,54	76,92	76,66			140,9
10000	81,45	80,60	80,92	82,95	83,35	83,11	84,01	84,11	83,99	82,81	83,75	77,12	77,62			142,9
MEASURED DASPL	94,16	94,04	92,76	92,86	93,13	95,07	95,54	94,88	95,78	95,48	96,03	95,38	96,66			
CALCULATED DASPL	91,63	92,81	92,25	92,59	92,88	95,42	96,04	95,07	95,62	95,52	95,55	93,59	94,47			
DIFF	126,2	127,9	127,3	127,5	127,4	118,6	111,2	110,1	110,1	110,1	110,1	109,7	109,9			
															OAPWL:	155,6

AMBIENT TEMP, 44,25
WET-BULB TEMP, 35,00
BAR. PRESSURE 29,11
A-S, HUMIDITY 2,926

FAN FA /CC-PRESS F = PHASE 98 + 90 IGVS 9 DEG CLOSED T/D 2/23/72

RO RID R.=190 SPEED=7700

RADIAL DISTANCE 252

PAGE: R

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET															
	15,2	2 .	35,	45,	52,	64,8	72,	82,	90,2	102,2	110,2	120,2	130,2	142,	152,2	160,2	170,2 (PWL)
3			-2,77	-4,58	-4,97	-4,15	-3,21	-4,19	-1,59	-,399	-,469	1,382	4,292	8,795			
4			-4,7	-1,76	-3,66	-3,47	-2,79	-2,38	-1,76	-,958	,5493	1,989	4,177	7,941			
			-4,78	-4,77	-4,57	-4,41	-3,09	-2,83	-1,48	-,847	,6511	2,856	5,264	7,416			
			-4,96	-6,29	-4,38	-3,94	-2,59	-2,38	-1,19	-,266	1,049	2,817	5,671	6,747			
12			-1,23	-2,97	-1,46	-2,14	-,293	-4,95	-1,65	2,659	2,139	2,789	3,134	3,633			
16			-4,69	-5,82	-4,23	-3,31	-1,86	-1,81	-,741	1,389	1,438	3,588	4,535	5,369			
2			-3,81	-5,29	-4,19	-3,60	-2,33	-1,12	,0867	,7859	,2548	3,518	5,989	5,333			
2			-3,15	-6,88	-4,56	-3,06	-1,68	-,538	,7065	1,163	-,142	2,906	5,653	2,859			
3			-1,23	-2,86	-2,85	-2,59	-,382	,2149	1,751	,7056	,2301	2,388	3,872				
4			-,275	-3,06	-3,04	-2,78	-2,38	-4,59	-,954	3,983	2,259	3,494	3,212				
5			-1,49	-1,13	-,779	,3918	1,984	1,545	-1,89	-1,64	,2278	2,582	1,918	-,992			
6			-1,11	-,811	-,173	,6848	-,819	-,838	,4219	1,292	,3087	2,908	1,169	-2,86			
7			-3,39	-4,82	-3,23	-1,82	,2776	-,179	-,312	4,987	2,418	1,588	-,343	-2,64			
			-1,73	-2,66	-2,66	-2,26	-2,06	-,247	-,398	2,126	3,304	3,426	2,211	,9777			
12			-1,59	-1,28	-1,51	2,222	,9301	3,382	,3181	,4887	-,271	,5717	-2,45	-2,45			
15			-1,8	-1,59	-1,99	-,565	,8821	3,352	,9522	1,431	2,199	1,828	-3,78	-3,97			
2			-2,65	,5774	-,758	1,849	,4523	,6864	-,782	1,813	1,513	2,312	-2,17	-1,73			
25			-3,55	,3955	-,442	,3829	,4834	,9097	,9164	2,382	2,507	1,087	-5,38	-2,53			
31			-2,79	-3,12	1,151	,6849	1,926	1,424	3,039	2,822	-3,99	-,938	-4,13	-3,88			
42			-4,11	-1,77	,2462	,3804	3,279	2,566	3,876	-2,31	,3895	-4,50	-4,42				
5			-1,42	-1,29	-2,65	2,989	3,273	1,434	,3619	1,862	,6573	-5,77	-5,39				
63			,224	-1,85	-,765	-,464	2,034	1,855	1,842	3,219	1,359	-5,64	-4,48				
8			-1,48	-2,67	-1,62	1,807	1,948	1,584	3,038	1,186	,5851	-3,83	-3,38				
10			-4,83	-,189	,6169	,3719	1,272	1,374	1,229	3,277	1,009	-5,61	-5,13				

E57

EMP, 44,0°
EMP, 35,02
PRESSURE 29,1
ALTITUDE 2,925

FLIGHT PRESS = PHASE 5B + 20 KTS + DEG CLOSED T/O 2/23/72

[illegible] =193 SPEED=77,3

RADIAL DISTANCE 250

DATE: 3/05/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 7.2	22.2	2.0	32.2	42.2	52.2	60.0	70.0	80.2	90.2	100.0	110.2	120.0	130.0	140.2	152.2	168.2	170.0	(PWL)
50				74,38	73,51	72,67	72,14	72,46	73,56	73,12	75,89	77,09	76,86	78,23	81,55	86,25			134,9
63				72,61	71,62	75,43	73,39	73,96	74,42	75,21	76,29	77,30	78,89	79,77	82,58	86,49			135,9
80				72,43	71,33	72,99	73,27	73,59	74,97	75,21	76,34	77,88	79,02	80,56	82,96	84,99			135,7
100				72,21	72,24	72,63	73,98	74,75	76,27	76,69	77,75	78,67	80,07	81,65	84,72	85,89			136,9
125				75,82	81,27	77,95	75,89	88,26	77,83	78,54	81,86	86,28	83,39	84,87	84,92	86,29			140,1
160				72,64	73,28	72,12	73,29	74,86	75,75	76,86	77,45	79,89	79,63	81,37	82,56	83,89			136,2
200				72,47	72,92	72,66	71,58	72,25	73,65	75,14	76,35	76,94	77,89	79,39	81,56	78,53			134,2
250				72,21	68,98	67,71	72,99	73,62	72,42	74,98	77,04	74,55	73,13	77,80	82,21	77,67			133,7
315				66,99	68,74	68,34	67,34	67,81	67,36	69,69	71,23	71,88	71,24	69,99	73,51	73,97			130,6
400				71,99	72,13	71,59	71,98	78,59	71,36	74,34	78,48	72,15	77,75	76,31	77,48	76,64			138,4
500				74,92	74,08	79,96	75,55	75,53	76,27	77,32	78,57	75,86	78,54	88,68	76,74	76,61			136,1
630				75,15	76,19	79,73	76,41	79,76	80,36	78,16	79,87	80,32	79,69	82,83	80,75	77,89			138,1
800				78,59	76,99	76,82	77,74	78,49	79,26	80,88	84,38	86,18	84,77	83,18	89,72	78,86			140,6
1000				74,55	75,33	75,18	76,11	75,76	75,63	77,18	77,85	78,38	79,74	78,48	77,91	76,33			136,1
1250				73,50	81,73	84,23	84,98	87,98	85,68	86,39	78,96	79,91	81,38	81,38	77,68	75,99			140,7
1600				76,49	79,24	82,19	84,28	85,81	84,62	83,38	83,63	82,89	83,40	82,64	80,64	77,78			140,5
2000				73,52	74,33	79,69	79,22	80,13	81,76	78,72	78,42	78,59	79,51	78,85	76,14	75,63			138,5
2500				73,19	72,64	77,23	77,03	77,98	77,98	78,66	79,08	79,11	80,85	78,12	72,68	73,98			137,6
3150				77,88	75,92	75,61	82,27	82,94	82,81	81,46	83,67	82,17	75,59	76,12	75,97	74,95			142,9
4000				78,85	80,48	75,50	80,17	83,23	83,19	84,62	84,55	84,87	79,23	81,16	77,47	77,31			142,8
5000				82,55	87,27	85,66	85,66	88,57	91,16	88,62	90,39	87,94	90,15	90,36	85,58	84,49			140,7
6300				78,34	77,26	79,67	79,51	80,88	80,39	81,87	82,57	81,24	84,91	81,82	75,44	75,93			142,9
8000				77,69	77,95	77,89	77,17	79,66	81,75	81,98	81,81	82,33	82,25	78,81	77,60	76,49			142,9
10000				81,41	79,62	79,14	83,74	83,92	83,99	82,67	84,57	83,59	84,78	82,68	76,93	77,88			140,6
MEASURED OASPL				91,04	92,49	92,78	93,39	95,87	95,33	94,97	95,58	95,79	96,11	96,41	95,98	96,49			
CALCULATED OASPL				92,19	91,98	92,31	93,25	95,84	95,61	94,89	95,67	95,41	95,79	95,76	94,61	95,17			
PNDB				124,1	106,6	106,2	107,8	109,8	110,4	109,2	110,3	109,1	110,1	110,1	106,9	106,2			
																		OAPWL:	159,5

AMBIENT TEMP, 45,62
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 3B + 3C IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 RDG=197 SPEED=7900

RADIAL DISTANCE 250

DATE 3/23/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 10,0	20,0	30,0	40,0	52,5	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5			-2,64	-3,72	-4,56	-5,08	-4,77	-3,67	-4,11	-1,34	-,138	-,371	1,880	4,323	9,821			
6[illegible]			-5,43	-6,44	-2,61	-4,65	-4,88	-3,62	-2,83	-1,75	-,646	,8477	1,727	4,541	8,487			
8			-7,32	-6,42	-4,77	-4,48	-4,16	-2,78	-2,54	-1,42	,1307	1,269	2,387	5,206	7,236			
1[illegible]			-6,70	-6,67	-6,29	-4,94	-4,17	-2,85	-2,23	-1,16	-,241	1,152	2,736	5,601	6,972			
125			-6,18	-,931	-4,05	-6,11	-1,74	-4,17	-3,46	-,140	4,284	1,399	2,871	2,916	4,292			
16[illegible]			-6,32	-4,68	-8,84	-4,67	-3,18	-2,23	-1,91	-,814	1,980	1,662	3,484	4,996	5,133			
20[illegible]			-3,39	-4,96	-5,22	-4,28	-3,61	-2,22	-,726	,4872	1,878	1,225	3,928	5,690	2,899			
25[illegible]			-2,99	-6,22	-7,49	-2,20	-1,58	-2,79	-,219	1,834	-,652	-2,87	1,846	7,814	2,474			
3[illegible]			-1,00	-1,26	-1,66	-2,66	-2,19	-2,64	-,899	1,229	1,863	1,248	-,603	3,514	3,975			
4[illegible]			-1,68	-1,55	-2,08	-1,69	-3,88	-2,32	,6977	-3,22	-1,53	4,849	2,632	3,796	2,961			
50[illegible]			-2,34	-3,17	2,787	-1,71	-1,73	-,985	,8662	1,389	-1,39	1,879	3,622	1,478	-,851			
63[illegible]			-3,98	-2,94	,6883	-2,22	,6315	1,231	,8275	-,862	1,184	,9641	2,893	1,622	-1,24			
80[illegible]			-2,94	-4,54	-5,51	-3,79	-3,84	-2,27	-,645	2,853	4,573	3,244	1,656	-,883	-2,67			
100[illegible]			-2,26	-1,47	-,462	-,692	-1,84	-1,18	,3797	1,849	1,575	2,939	1,679	1,189	-,498			
1,2[illegible]			-9,77	-1,55	,9955	1,624	4,623	2,399	3,121	-4,34	-3,37	-1,89	-1,93	-5,85	-7,29			
160[illegible]			-6,88	-3,34	-,383	1,697	2,426	2,843	,8837	1,851	-,469	,8888	,8897	-1,94	-4,79			
2000			-5,22	-4,21	1,156	,8862	1,589	3,227	,1831	-,118	,8126	,9732	,3162	-2,46	-2,91			
2500			-4,17	-4,73	-,138	-,334	,9338	,6188	1,294	1,788	1,748	2,679	,7481	-4,76	-3,38			
3150			-2,58	-4,91	-4,81	1,845	2,816	2,379	1,829	3,239	1,742	-4,83	-2,31	-4,45	-3,47			
4000			-2,84	-1,29	-6,11	-1,92	1,937	1,488	2,928	2,865	2,375	-2,47	-,536	-4,22	-4,38			
5000			-5,64	-,929	-2,73	-2,54	,3724	2,963	,4222	2,197	-,254	1,951	2,166	-2,69	-3,71			
6300			-2,48	-3,26	-,854	-1,81	-,448	-,124	,5585	2,854	,7190	4,388	1,328	-5,88	-4,58			
8000			-2,85	-1,99	-2,85	-2,77	-,279	1,812	2,839	1,873	2,389	2,312	-1,13	-2,85	-3,45			
10000			-1,08	-2,87	-3,35	1,249	1,432	1,585	,1794	2,076	1,899	2,218	,1895	-5,57	-5,46			

AMBIENT TEMP. 45,02
[illegible] TEMP. 35,49
BAR. PRESSURE 29,11
ABS. [illegible] 2,789

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/78

RUN=15 RUG=197 SPEED=7900

RADIAL DISTANCE 250

DATE: 3/05/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 10,2	24,0	32,0	40,0	50,3	60,2	70,0	80,-	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50			75,62	74,85	73,22	72,79	73,32	74,81	73,76	76,25	77,58	77,49	79,11	82,54	86,84			138,7
63			72,43	72,12	75,00	73,15	73,83	74,42	75,12	76,74	77,62	79,21	80,23	83,14	87,02			136,8
80			70,37	72,32	72,99	73,36	73,79	75,06	75,36	77,04	78,77	79,96	81,42	83,79	86,14			136,6
100			72,61	73,29	73,14	74,62	75,21	76,62	76,39	78,19	79,51	81,29	82,72	85,76	87,31			137,9
125			76,53	77,71	73,37	76,13	77,15	78,35	80,58	83,93	86,44	86,23	86,25	89,75	87,21			140,1
160			73,14	73,21	72,85	74,86	76,74	76,91	76,97	79,87	82,39	82,72	83,64	86,82	84,84			137,9
200			72,25	71,46	71,16	72,24	72,79	74,44	75,36	76,76	77,27	77,76	80,39	82,98	80,19			134,1
250			71,65	70,36	67,99	72,17	70,53	71,77	73,30	78,98	75,19	74,65	77,43	78,98	77,23			133,2
315			69,08	71,89	69,46	68,58	68,87	68,45	78,24	73,51	72,47	73,17	71,17	73,77	75,15			130,7
400			72,35	72,41	72,76	72,48	70,48	71,86	78,73	78,84	78,44	78,14	77,27	78,53	78,23			138,6
500			76,39	80,67	76,14	79,77	75,58	75,69	81,04	81,82	82,16	80,88	83,28	80,88	78,73			138,4
630			77,13	78,57	79,44	80,22	78,78	82,48	82,36	80,53	81,86	81,22	84,24	81,73	79,39			139,8
800			78,34	79,49	82,54	81,93	83,82	85,62	87,58	87,51	85,73	83,51	82,77	83,58	80,98			143,3
1000			75,16	76,09	76,24	77,33	77,29	76,96	78,32	78,89	78,61	79,29	79,65	79,75	78,39			137,8
1250			75,71	80,74	85,41	88,93	89,96	87,60	86,38	82,73	81,80	81,98	84,19	79,83	77,27			144,6
1600			76,93	79,48	84,61	84,86	83,13	85,53	86,43	82,78	82,94	83,92	83,37	79,85	77,78			142,6
2000			78,77	76,25	80,92	81,48	83,88	78,77	79,54	76,93	80,53	80,57	79,97	77,37	76,91			139,4
2500			73,97	73,84	79,73	78,17	78,96	78,88	80,82	79,91	80,27	80,27	79,35	76,88	73,44			138,6
3150			78,89	76,93	77,45	83,46	83,94	83,37	83,28	83,32	83,63	76,33	79,83	77,66	74,95			141,9
4000			79,78	80,33	77,48	82,26	83,47	82,97	84,97	83,75	83,17	79,28	82,23	78,69	77,36			143,2
5000			82,41	80,61	86,82	87,93	85,22	90,14	90,82	87,39	91,57	93,94	87,59	82,89	83,31			150,2
6300			78,24	77,69	81,22	81,72	80,72	81,39	81,95	81,91	83,51	85,86	81,58	76,33	75,76			143,7
8000			79,88	78,64	79,83	79,19	81,88	81,56	84,37	81,39	84,54	81,21	79,94	77,48	76,43			144,9
10000			80,85	78,61	79,19	81,84	83,52	82,69	83,84	82,83	84,98	84,37	83,24	78,83	76,89			140,3
MEASURED OASPL			91,09	92,96	93,91	95,26	95,48	96,89	96,84	95,98	97,46	97,97	97,18	96,66	97,49			
CALCULATED OASPL			90,59	92,13	93,89	95,13	95,29	95,97	96,74	95,61	97,36	97,72	96,38	95,19	95,98			
PNDB			104,6	106,7	106,9	108,9	107,9	110,2	111,0	109,2	111,9	112,4	109,6	106,4	106,1			
																	OAPWL:	154,2

AMBIENT TEMP,	45,00
WET-BULB TEMP,	35,49
BAR. PRESSURE	29,11
ABS. HUMIDITY	2,788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 8/23/70

RUN=15 RUG=194 SPEED=8100

RADIAL DISTANCE 250

DATE: 3/25/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET: 0,2	10,2	20,2	30,2	40,2	50,2	60,2	70,2	80,2	90,2	100,2	110,2	120,2	130,2	140,2	150,2	160,2	170,2	(PWL)
50				-2,89	-3,26	-4,69	-5,12	-4,59	-3,98	-4,15	-1,67	-,339	-,418	1,199	4,628	8,925			
63				-5,96	-5,26	-3,39	-5,24	-4,56	-3,98	-3,28	-1,65	-,779	,0166	1,834	4,749	8,687			
80				-8,23	-6,2?	-5,62	-5,25	-4,81	-3,55	-3,24	-1,57	,1658	1,357	2,809	5,191	7,737			
100				-7,38	-6,62	-6,77	-5,28	-4,69	-3,32	-3,21	-1,72	-,401	1,392	2,809	5,857	7,483			
125				-7,46	-6,2?	-12,3	-7,86	-6,84	-5,64	-3,40	-,8??	4,449	4,241	4,265	1,767	3,218			
160				-6,51	-6,44	-7,9?	-8,59	-4,98	-3,14	-2,68	-,978	2,748	3,473	-,998	4,169	4,391			
200				-4,48	-5,27	-5,38	-4,49	-3,94	-2,29	-1,38	,9285	,9538	1,822	3,662	6,242	3,486			
250				-3,65	-4,34	-6,71	-2,53	-4,17	-2,93	-1,59	4,291	,4043	-,854	2,732	4,278	2,928			
315				-1,48	-,261	-1,69	-2,57	-3,89	-2,71	-,922	2,349	1,312	2,811	,8189	2,689	3,990			
400				-1,79	-1,73	-1,39	-1,67	-3,23	-2,28	-3,48	-4,18	-,784	3,997	3,194	4,386	4,833			
500				-3,42	,8577	-3,15	-,846	-4,25	-4,13	1,229	2,683	2,365	1,883	3,462	,8898	-1,19			
630				-,668	-2,23	-1,87	-,484	-2,03	1,672	1,595	-,274	1,858	,4138	3,436	,9253	-1,22			
800				-5,85	-4,72	-1,65	-2,27	-,376	1,420	3,764	3,515	1,534	,689	-1,43	-,694	-3,82			
1000				-2,59	-1,65	-1,51	-,419	-,451	-,763	,2786	1,153	,8427	,951	1,909	2,809	,6432			
1250				-9,49	-4,46	,2143	3,787	4,759	2,486	1,185	-2,47	-2,...	-,28	-1,81	-8,99	-7,93			
1600				-5,99	-3,45	-1,32	1,674	,8810	2,996	3,988	-,159	-,398	,9986	,4398	-3,88	-5,15			
2000				-3,88	-3,39	,9984	1,998	3,366	,1224	-,181	-,711	,8867	,9829	,3268	-8,28	-2,74			
2500				-4,46	-4,49	1,898	-,264	,9278	,3734	1,988	1,485	1,843	1,838	,9189	-4,38	-4,99			
3150				-3,25	-4,41	-3,89	2,189	2,393	2,828	1,937	1,975	2,292	-3,88	-2,11	-3,68	-6,39			
4000				-2,41	-1,78	-4,64	,1487	1,396	,8992	2,861	1,638	3,959	-2,91	,1189	-3,43	-4,73			
5000				-6,34	-2,13	-2,72	-,791	-3,92	1,392	2,878	-1,36	2,829	5,199	-1,14	-8,86	-8,44			
6300				-2,99	-3,53	-,889	,4984	-,913	,1594	,7166	,6888	2,279	3,829	,3461	-4,98	-9,46			
8000				-1,98	-2,29	-1,98	-1,74	,8811	,6843	3,432	,4958	3,687	,2788	-,991	-3,49	-4,52			
10000				-1,27	-3,58	-2,92	-,272	1.488	,9778	,9242	,7159	2,789	2,884	1,132	-4,89	-8,42			

AMBIENT TEMP, 65,00
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUN=194 SPEED=8100

RADIAL DISTANCE 250

DATE: 3/05/78 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET																
FREQ.	7,7	12,2	2 ,4	32,2	40,2	52,2	62,7	70,0	82,2	90,8	100,0	110,8	120,0	132,2	140,2	150,0	160,0	170,8	(PWL)
50				74,86	77,65	79,34	77,73	75,27	77,35	74,83	76,69	77,73	77,33	79,28	83,21	87,14			136,7
63				73,27	76,54	82,35	78,33	75,27	80,89	76,21	77,23	78,39	78,94	80,59	83,79	87,54			137,6
80				72,12	75,18	79,76	76,00	75,07	80,34	76,66	77,71	79,31	80,03	81,7'	84,81	87,37			137,9
100				72,69	75,38	78,93	76,90	76,00	79,11	77,84	79,45	80,23	81,70	83,32	86,86	87,79			138,8
125				75,39	78,48	77,23	78,11	76,28	79,47	80,52	83,83	80,69	80,36	80,15	87,95	88,54			140,7
160				74,45	75,35	75,45	76,54	76,80	79,43	79,89	81,81	86,59	86,38	86,56	86,54	86,08			140,9
200				73,67	74,31	73,45	76,17	74,56	78,91	77,02	78,41	78,68	79,13	82,49	84,85	82,75			137,8
250				72,12	72,98	71,11	75,49	72,63	78,89	76,17	78,07	78,92	77,85	80,77	82,19	80,35			135,9
315				69,74	73,71	71,07	74,22	70,54	78,43	74,88	75,81	77,27	75,78	76,27	77,74	77,99			133,8
400				73,78	74,89	73,40	76,31	78,45	78,78	71,18	72,68	75,15	76,64	74,94	78,86	78,98			135,9
500				75,55	78,85	77,45	78,12	75,22	80,29	76,87	77,36	77,35	78,76	80,89	78,79	79,03			138,7
630				77,59	80,16	81,32	82,71	80,05	82,77	80,79	83,43	82,43	80,19	82,93	81,12	77,94			140,2
800				77,81	80,69	81,11	82,71	80,51	84,47	83,05	82,98	83,54	80,82	84,42	82,44	80,47			142,4
1000				75,69	79,42	76,1A	79,80	79,69	83,92	79,59	79,78	80,50	82,89	82,98	82,11	80,49			139,6
1250				75,95	82,33	83,19	87,15	84,31	86,81	83,67	81,83	81,35	81,18	80,38	80,48	78,91			140,3
1600				77,71	82,54	82,23	84,53	84,16	86,97	84,68	82,88	83,29	84,89	82,81	78,66	77,17			142,8
2000				75,89	81,84	82,36	81,99	81,86	85,84	81,81	81,13	82,43	83,81	80,57	79,39	77,59			141,8
2500				75,74	79,97	80,78	81,98	79,76	86,87	79,91	81,84	81,19	81,92	78,79	78,96	76,77			141,1
3150				80,75	82,23	79,91	85,83	84,31	80,44	83,96	85,48	84,65	78,47	79,26	79,17	76,82			144,8
4000				81,85	85,84	79,80	84,90	84,78	80,78	86,47	86,11	80,51	80,79	82,55	80,35	79,18			145,9
5000				84,27	90,16	88,15	88,87	83,96	91,88	92,83	91,19	92,72	93,83	89,55	81,86	84,48			151,4
6300				88,83	84,84	83,12	86,33	81,19	92,33	84,67	85,36	85,44	87,38	83,99	77,64	77,85			148,2
8000				88,93	85,54	80,81	87,88	82,32	94,29	14,78	84,39	86,32	82,14	79,80	77,93	77,86			150,3
10000				88,19	85,85	79,85	89,51	84,89	96,58	83,64	85,71	87,30	86,27	84,84	78,48	77,88			154,4
MEASURED OASPL				92,41	96,18	95,12	97,47	95,16	108,9	96,96	96,93	96,37	96,48	97,98	97,72	96,47			
CALCULATED OASPL				91,57	95,89	94,42	97,17	94,99	101,9	97,14	97,82	98,39	96,18	97,11	96,24	96,93			
PNDB				125,8	118,5	108,7	118,5	108,3	114,3	112,1	111,6	112,8	112,5	116,6	106,7	107,3			
																		OAPWL:	150,2

AMBIENT TEMP,	45,00
WET-BULB TEMP,	35,49
BAR, PRESSURE	29,11
ABS, HUMIDITY	2,766

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVs 9 DEG CLOSED T/D 2/23/78

RUN=15 RUG=19* SPEED=8300

RADIAL DISTANCE 250

DATE: 3/25/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET 7,0	10,2	22,0	30,0	44,0	52,7	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				-4,28	-1,29	,3968	-1,21	-3,66	-1,59	-4,11	-2,24	-1,21	-1,61	,3371	4,071	8,265			
63				-6,47	-3,20	,6273	-1,41	-4,47	,3551	-3,54	-2,51	-1,35	-,796	,8508	4,838	7,799			
80				-7,86	-4,80	-,228	-3,98	-4,91	,3588	-3,32	-2,27	-,679	,8476	1,788	4,822	7,390			
100				-7,87	-5,39	-1,84	-3,87	-4,77	-1,66	-2,93	-1,32	-,537	,9331	2,555	5,286	7,021			
125				-8,16	-6,88	-7,33	-6,45	-6,28	-5,89	-4,85	-,732	4,129	3,999	3,587	3,389	3,978			
160				-8,28	-7,15	-7,24	-6,16	-5,81	-3,26	-3,61	-,889	3,872	3,696	3,864	3,846	3,388			
200				-5,02	-4,58	-5,41	-2,72	-4,33	,8181	-1,87	-,483	,8918	,2462	3,683	3,963	3,869			
250				-5,39	-4,52	-6,39	-2,82	-4,86	1,379	-1,34	,9645	1,414	,3378	3,259	4,679	2,845			
315				-5,52	-1,55	-4,19	-1,84	-4,72	3,168	-1,18	,9539	2,814	,5202	1,015	2,483	2,728			
400				-1,45	-,329	-1,73	1,887	-4,77	3,554	-4,84	-2,54	-,878	1,417	-,279	2,842	3,683			
500				-2,29	1,884	-,391	,2705	-2,63	2,451	-1,78	-,488	-,918	,9117	2,744	,9586	1,185			
630				-3,61	-1,85	,0917	1,499	-1,16	1,968	-,462	2,217	1,213	-1,86	1,719	-,095	-3,27			
800				-5,53	-2,64	-2,23	-,629	3,177	1,129	,8154	-,356	,2872	2,689	1,881	-,992	-2,86			
1000				-4,65	-,933	-4,17	-1,28	-,655	3,172	-,882	-,646	,1553	1,745	2,638	1,765	,1400			
1250				-6,92	-,544	,3219	4,271	1,434	3,336	,7879	-1,84	-1,54	-1,69	-2,83	-2,48	-8,97			
1600				-5,42	-,585	-,980	1,328	1,831	3,440	1,476	-,240	,1647	,9998	-,517	-4,46	-8,96			
2000				-5,95	-,814	,5284	,1448	,8079	3,991	-,839	-,721	,5788	1,162	,7217	-2,26	-4,56			
2500				-5,11	-1,28	-,872	1,185	-4,09	5,224	-,948	,1866	,3389	1,872	-2,85	-4,89	-8,88			
3150				-2,71	-1,22	-3,55	1,974	,8931	5,886	,1818	1,949	1,288	-4,98	-4,19	-4,29	-8,33			
4000				-2,98	,2859	-5,83	,8781	-,129	4,958	1,637	1,274	1,674	-4,84	-2,28	-4,48	-8,67			
5000				-8,78	,1855	-1,82	-1,91	-8,81	1,911	2,858	1,217	2,749	3,854	-,424	-8,11	-8,57			
6300				-5,74	-1,12	-2,64	,5664	-4,58	6,569	-1,89	-,489	-,324	1,619	-1,77	-8,12	-8,21			
8000				-6,29	-,784	-8,31	,7566	-4,88	7,969	-1,62	-1,93	-,883	-1,18	-6,63	-8,39	-9,27			
10000				-9,18	-2,42	-9,22	1,238	-4,18	8,389	-4,63	-2,56	-,878	-2,88	-4,23	-9,79	-11,3			

AMBIENT TEMP, 45,88
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN=15 RDG=195 SPEED=8300

RADIAL DISTANCE 250

DATE: 3/15/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				75,58	75,21	74,46	74,66	74,41	75,12	74,53	77,13	78,88	77,69	88,07	84,83	88,73			136,9
63				72,61	73,67	76,14	74,35	74,47	75,17	75,63	77,54	78,33	79,35	81,19	85,18	89,93			137,9
80				71,65	73,78	74,39	74,76	75,07	76,84	77,45	78,25	79,72	80,75	82,83	85,93	88,63			138,3
100				72,82	74,15	73,95	75,76	76,46	77,63	78,02	79,57	80,72	82,44	83,97	87,32	88,49			139,2
125				75,55	78,85	75,97	76,76	80,09	78,87	80,17	83,36	86,80	87,84	86,78	88,18	88,99			141,9
160				75,93	77,32	76,71	77,89	82,74	79,69	80,92	84,84	88,12	89,72	88,08	88,18	87,32			143,1
200				73,61	72,24	72,83	73,58	74,12	75,58	76,75	78,62	79,19	79,39	82,12	83,28	82,24			134,7
250				71,21	70,66	68,72	69,39	71,59	74,09	75,42	77,08	78,28	75,55	78,44	81,35	78,97			134,4
315				74,91	72,48	71,77	69,86	69,50	72,99	75,75	78,25	79,88	76,26	78,69	76,37	77,89			138,1
400				73,07	72,92	74,69	76,91	72,19	73,46	72,29	73,53	76,56	77,77	76,76	78,13	79,48			138,9
500				75,58	76,31	77,26	76,52	77,54	78,05	76,56	77,34	77,12	78,84	81,28	79,48	78,45			146,7
630				76,81	79,46	79,55	81,99	80,87	81,33	81,22	82,24	82,53	82,34	83,23	82,18	80,91			148,1
800				77,52	80,69	81,29	83,85	85,11	83,83	83,05	85,93	85,58	86,61	84,77	82,59	82,56			148,2
1000				74,86	76,85	77,37	78,89	79,49	80,86	80,39	81,72	80,94	83,27	82,22	82,45	80,68			139,9
1250				76,51	79,91	84,62	86,18	88,81	83,15	82,92	81,98	80,37	80,88	80,28	81,96	80,38			141,8
1600				78,09	81,82	83,71	84,26	85,41	85,33	84,48	83,22	81,61	85,16	83,29	81,38	79,95			148,1
2000				78,38	78,79	83,96	83,97	83,98	83,78	82,74	81,86	82,34	84,32	81,79	80,76	80,23			148,2
2500				79,49	77,53	88,87	86,68	88,81	88,47	88,33	81,87	80,69	82,88	78,98	76,35	76,88			150,9
3150				80,82	79,11	78,97	84,49	83,42	83,42	82,64	84,79	83,75	77,62	78,28	79,29	77,98			149,4
4000				81,91	83,42	79,88	84,72	85,35	84,91	84,18	85,63	84,12	80,36	81,94	80,68	80,30			144,6
5000				83,21	86,99	88,88	86,89	84,12	88,55	90,83	90,61	90,14	91,18	87,42	88,87	83,19			149,9
6300				80,53	81,46	84,86	83,42	81,73	83,65	84,67	86,28	84,96	87,21	83,75	78,84	78,77			146,1
8000				79,83	80,31	79,67	79,89	80,46	82,18	82,79	83,72	83,58	79,81	79,13	77,59	77,79			144,8
10000				79,31	78,79	78,87	80,68	82,39	82,79	83,12	85,29	84,76	84,91	82,86	79,88	77,25			148,4
MEASURED OASPL				91,65	93,69	94,58	95,61	95,77	96,11	96,39	97,28	97,76	98,77	97,81	98,55	98,54			
CALCULATED OASPL				91,28	93,28	93,35	95,28	95,29	95,70	96,34	97,16	97,41	98,22	96,77	96,97	97,95			
PNDB				185,2	187,7	188,7	188,7	188,7	189,9	111,1	111,5	111,5	111,7	189,6	186,9	187,4			
																		OAPWL:	156,6

AMBIENT TEMP, 45,00
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,708

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/72

RUN=15 RJG=19A SPEED=8900

E64

RADIAL DISTANCE 250

DATE: 3/15/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50				-3,65	-4,02	-4,77	-4,57	-4,82	-4,11	-4,69	-2,10	-1,15	-1,53	,8350	4,802	9,496			
63				-7,52	-7,07	-3,99	-5,81	-5,66	-4,97	-4,58	-2,02	-1,81	-,748	1,852	4,967	9,709			
8				-8,48	-6,55	-5,94	-5,57	-5,26	-3,49	-3,08	-2,88	-,8[illegible]	,4236	2,467	5,597	8,302			
100				-8,38	-7,04	-7,25	-5,43	-4,71	-3,57	-3,18	-1,26	-,477	1,249	2,771	6,128	7,291			
125				-8,19	-8,69	-7,77	-6,98	-2,75	-4,87	-3,97	-,379	2,258	3,883	4,957	4,362	6,255			
160				-8,68	-7,49	-8,11	-7,73	-2,87	-5,21	-3,89	,8248	3,381	4,899	3,804	3,366	2,886			
200				-4,95	-6,32	-6,53	-5,19	-4,44	-2,84	-1,79	,8626	,6317	,8327	3,567	6,773	5,685			
250				-4,72	-5,27	-7,27	-6,53	-4,34	-1,23	-,512	1,149	2,353	-,379	3,709	5,428	3,844			
315				-3,61	-2,12	-2,75	-5,26	-5,02	-1,52	1,225	,6842	4,997	-,268	1,174	1,849	3,571			
400				-2,13	-2,28	-,908	1,785	-3,02	-1,54	-2,91	-2,80	-,641	2,568	1,574	3,925	4,288			
500				-2,32	-1,59	-,839	,8177	-,368	,1438	-1,34	-,561	-,787	1,934	3,299	1,600	1,591			
630				-4,33	-1,68	-1,50	,8467	-,279	,1822	,8729	1,893	1,389	1,198	2,888	1,835	-,631			
800				-6,62	-3,45	-3,85	-1,487	,9659	-,308	-1,00	2,793	1,418	4,471	,6241	-4,95	-1,58			
1000				-5,37	-3,38	-2,27	-1,34	-,732	-,173	,1818	1,492	,7877	3,838	1,991	2,213	,4820			
1250				-5,85	-2,45	2,859	3,818	2,654	,7934	,3626	-,659	-2,15	-1,48	-2,88	-,881	-2,86			
1600				-8,38	-1,62	,2924	,8481	1,986	1,813	1,289	-,184	,4989	1,743	-,185	-2,87	-3,87			
2000				-6,95	-3,47	1,648	1,097	1,536	1,436	,4723	-,818	,8715	2,847	-,481	-1,49	-2,04			
2500				-4,23	-2,19	1,156	,9598	,7876	,7441	,6874	1,345	,9726	2,362	-,715	-3,37	-2,75			
3150				-1,81	-2,72	-2,82	2,619	1,792	1,501	,5854	2,960	1,514	-4,22	-3,56	-2,54	-4,25			
4000				-1,79	-,282	-4,77	1,917	1,043	1,288	2,472	2,927	2,416	-3,33	-2,14	-3,03	-3,48			
5000				-4,57	-1,88	-2,49	-4,76	-3,96	,4741	2,758	2,9[illegible]	2,859	3,821	-,689	-7,21	-6,85			
6300				-3,15	-2,12	,4151	-,944	-4,92	,8031	1,818	2,457	1,311	3,565	,1042	-8,61	-4,80			
8000				-1,82	-,522	-4,16	-4,74	-,377	1,352	1,955	2,883	2,184	-1,82	-1,71	-3,24	-3,84			
10000				-2,99	-3,47	-5,30	-4,59	,1259	,5397	,8689	3,830	2,498	2,648	,5913	-4,10	-6,82			

ABSOLUTE TEMP, 45,82
ABSOLUTE HUM, 35,45
BAR, PRESSURE 29,[illegible]
ABS, HUMIDITY 2,988

FAN/COMPRESSOR - PHASE 5C + 5C TANS 0 DEG CLOSED T/O 2/23/72

RUN 310 RDG#196 SPEED=8500

RADIAL DISTANCE 150

DATE: 2/25/7[illegible] PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ	0.	10.0	20.	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						85.86		66.71		70.29	69.02	71.97	68.82	70.60	71.15	74.32			128.4
63						86.21		66.08		69.54	69.02	72.12	69.83	69.75	71.84	73.39			128.7
80						86.59		64.58		68.57	68.17	72.12	69.34	70.75	71.63	73.03			129.0
100						87.45		69.15		68.63	66.79	71.14	68.87	71.69	71.19	72.51			129.8
125						87.93		64.83		67.85	66.08	69.93	68.81	70.59	70.09	71.26			130.2
160						87.45		63.77		68.63	66.63	70.07	69.93	71.04	71.15	70.31			129.9
200						87.75		62.33		65.07	64.28	66.62	67.52	68.92	69.13	67.78			129.9
250						88.24		61.14		62.74	61.61	63.59	63.42	65.58	66.10	65.75			130.4
315						89.31		66.14		65.57	63.97	65.94	65.75	67.5[illegible]	67.91	67.00			131.5
400						89.33		66.83		68.28	66.39	69.40	70.24	70.84	70.82	70.93			131.8
500						90.17		69.25		70.29	68.16	70.59	72.07	72.86	72.28	71.64			132.8
630						91.09		68.89		69.41	67.44	70.60	72.39	72.95	72.21	71.82			133.7
800						92.25		68.86		68.58	67.17	70.19	70.81	71.80	70.94	70.13			134.8
1000						92.17		74.67		74.18	72.12	75.92	76.03	76.95	75.26	72.97			135.3
1250						90.39		74.67		73.21	71.96	74.99	75.82	76.90	74.36	73.49			133.8
1600						89.25		76.39		76.41	75.30	78.62	78.[illegible]	78.98	76.33	76.37			133.8
2000						88.83		75.47		75.24	75.30	78.46	77.10	78.63	75.92	73.46			133.5
2500						88.30		73.71		75.04	73.62	76.69	77.71	77.49	73.88	71.81			132.9
3150						90.68		82.46		85.47	80.20	86.16	89.56	84.25	82.46	82.08			130.7
4000						88.45		79.17		80.11	78.49	81.14	82.91	81.48	78.43	77.01			135.7
5000						89.37		79.10		76.89	79.39	82.12	81.42	82.92	76.95	75.75			136.2
6300						92.25		80.56		82.14	82.57	82.13	84.07	86.05	79.70	79.31			139.5
8000						91.57		79.97		76.24	76.27	79.42	81.53	82.18	76.21	76.27			138.7
10000						93.29		83.92		78.59	79.46	84.05	83.69	82.93	76.41	76.29			142.0
MEASURED OASPL						105.9		90.57		91.16	89.70	93.40	94.44	93.69	90.12	89.52			
CALCULATED OASPL						123.6		90.09		90.13	88.81	92.66	93.67	92.82	89.02	88.48			
PNDB						116.1		103.9		105.4	102.6	107.9	109.1	106.5	103.9	103.3			

DAPWL: 140.9

AMBIENT TEMP. 4[illegible]
WET-BULB TEMP. 34.[illegible]
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.48[illegible]

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/T 2/23/70

RUN=15 RDG=169 SPEED=5020

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						10.75		-8.41		-4.82	-6.09	-3.15	-6.38	-4.52	-3.96	-.796		
63						10.85		-9.29		-5.83	-6.35	-3.25	-5.54	-5.62	-3.53	-1.98		
80						10.96		-11.0		-7.06	-7.46	-3.50	-6.29	-4.88	-3.99	-2.59		
100						11.09		-7.20		-7.72	-9.57	-5.22	-7.48	-4.66	-5.16	-3.85		
125						11.29		-11.8		-8.79	-10.6	-6.72	-7.83	-6.05	-5.55	-5.39		
160						11.19		-12.5		-7.63	-9.63	-6.18	-6.33	-5.22	-5.11	-5.95		
200						11.44		-13.9		-11.2	-12.0	-9.60	-8.78	-7.38	-7.17	-8.53		
250						11.99		-15.5		-13.9	-15.0	-13.0	-13.2	-11.1	-10.5	-10.9		
315						11.55		-11.6		-12.2	-13.8	-11.8	-12.0	-10.2	-9.85	-10.8		
400						11.37		-11.1		-9.68	-11.6	-8.55	-7.72	-7.12	-7.14	-7.83		
500						11.29		-9.62		-9.58	-10.7	-8.28	-6.88	-6.81	-6.59	-7.22		
630						11.39		-10.8		-10.3	-12.3	-9.10	-7.31	-6.76	-7.49	-7.88		
800						11.52		-11.9		-12.1	-13.6	-10.5	-9.93	-8.93	-9.79	-10.6		
1000						11.26		-6.43		-6.93	-8.99	-5.18	-5.87	-4.16	-5.85	-8.13		
1250						10.83		-4.88		-6.31	-7.59	-4.56	-3.73	-2.65	-5.19	-6.86		
1600						9.868		-2.99		-2.89	-4.88	-.766	-1.29	-.487	-3.86	-5.82		
2000						9.915		-3.44		-3.67	-3.61	-.457	-1.73	-.282	-2.99	-5.46		
2500						10.09		-4.[illegible]		-3.18	-4.59	-1.52	-.584	-.719	-4.34	-6.41		
3150						5.947		-2.25		.7564	-4.53	3.427	5.234	-.485	-2.27	-2.65		
4000						8.234		-1.24		-.305	-1.92	.7272	2.499	1.862	-1.98	-3.41		
5000						8.617		-1.62		-3.33	-1.33	1.488	.6945	2.193	-3.78	-4.98		
6300						8.804		-2.89		-1.29	-.872	-1.31	.6319	2.612	-3.74	-4.13		
8000						9.949		-1.65		-5.38	-5.35	-2.28	-.892	.5590	-5.41	-5.35		
10000						9.635		.2305		-5.09	-4.23	.3539	.8852	-.762	-7.28	-7.41		

AMBIENT TEMP. 4[illegible]
ET-BULB TEMP. 34.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.480

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 0 DEG CLOSED T/D 2/23/78

RC =15 RUN=168 SPEED=5700

RADIAL DISTANCE 150

DATE: 1/26/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						69.06		69.53		70.92	68.19	71.14	71.10	72.82	73.76	78.07			123.5
63						67.77		67.84		70.60	67.81	69.43	71.76	72.46	74.08	77.27			123.0
80						66.09		66.52		68.96	66.91	69.54	70.39	72.69	72.78	76.36			122.2
100						68.74		70.44		70.33	69.09	72.22	72.17	75.47	74.42	77.31			124.3
125						67.55		66.64		68.82	66.53	69.43	70.29	71.92	71.55	74.38			121.6
160						65.15		65.51		68.42	66.22	68.89	69.67	70.95	70.22	71.96			120.5
200						66.74		66.24		66.75	65.21	67.93	68.99	69.89	70.17	71.76			119.9
250						65.14		63.16		63.67	62.[illegible]	63.71	65.23	67.02	67.81	68.21			116.9
315						69.29		65.81		67.23	[illegible]	67.88	69.33	71.51	71.88	71.19			120.9
400						73.49		69.38		72.34	69.25	71.62	73.56	74.71	74.32	73.98			124.6
500						71.55		71.90		72.47	70.59	72.69	74.19	75.48	74.95	74.26			125.2
630						69.31		70.18		70.22	68.62	71.59	72.29	73.12	71.59	71.42			123.2
800						74.03		69.97		70.62	68.82	71.49	72.27	72.91	72.54	71.57			123.9
1000						76.89		75.75		75.74	73.61	77.18	77.12	79.21	76.51	74.66			128.9
1250						76.12		76.12		75.27	73.59	76.73	77.84	77.62	75.49	74.31			128.7
1600						79.76		78.01		78.57	76.67	80.18	79.75	80.58	77.34	75.91			131.4
2000						80.39		76.92		77.37	77.11	80.49	78.95	80.55	77.88	74.46			131.4
2500						79.76		75.46		77.12	75.22	78.11	78.66	78.95	74.68	73.87			130.2
3150						82.89		86.16		88.91	82.67	88.85	88.88	86.34	81.94	82.81			139.5
4000						80.72		84.48		86.67	82.44	86.87	87.25	85.41	81.29	80.79			138.2
5000						81.79		81.46		80.81	83.87	85.27	83.19	83.79	77.44	76.81			136.8
6300						83.81		81.49		83.74	80.35	82.98	85.79	83.42	77.57	78.22			137.8
8000						81.85		82.76		81.83	78.76	82.48	84.81	83.94	78.44	79.14			137.3
10000						82.43		84.64		80.61	80.88	80.75	83.37	83.16	77.38	77.17			138.2
MEASURED OASPL						93.03		93.61		94.34	91.44	94.69	95.29	94.99	91.81	94.89			
CALCULATED OASPL						91.71		92.49		93.47	90.55	93.79	94.69	93.79	89.92	90.18			
PNDB						105.6		106.9		108.5	104.6	108.6	109.4	108.2	104.3	104.2			

OAPWL: 146.5

AMBIENT TEMP. 42.00
WETBULB TEMP. 34.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.687

FAA FAN/COMPRESSOR - PHASE 58 - 50 IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=163 SPEED=5500

RADIAL DISTANCE 150

DATE: 3/16/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	17.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
[illegible]					-1,12	-,653	,7346	-1,99	,9500	1,005	2,631	3,573	7,884					
63					-1,96	-1,82	,9429	-1,85	-,231	2,095	8,799	4,421	7,608					
8					-2,72	-2,28	,1495	-1,96	1,033	1,583	3,093	3,974	7,557					
12[illegible]					-2,04	-,340	-,451	-1,69	1,442	1,385	4,686	3,643	6,530					
125					-,501	-1,39	,7727	-1,52	1,378	2,238	3,866	3,499	6,249					
16[illegible]					-1,79	-1,43	1,477	-,721	1,947	2,725	4,821	3,276	5,824					
22[illegible]					,4468	-,875	,4324	-1,18	,7137	2,679	3,572	3,048	5,440					
25[illegible]					1,915	-,868	,4432	-1,19	,6809	2,867	3,788	3,778	4,983					
3[illegible]5					2,113	-1,38	,8462	-1,38	,6932	2,146	4,327	4,691	4,889					
4[illegible]					2,785	-1,40	1,555	-1,53	,8446	2,784	3,931	3,948	3,195					
5[illegible]					,2874	,9767	1,146	-,738	1,313	2,871	4,899	3,688	2,939					
63[illegible]					,1399	1,811	1,852	-,546	2,427	3,119	3,982	2,426	2,255					
8[illegible]					4,215	,1585	,8867	-,995	1,677	2,455	3,898	2,723	1,757					
1[illegible]					2,226	1,881	1,077	-1,06	2,519	2,459	4,545	1,846	-,888					
125[illegible]					3,737	1,740	,8886	-,769	2,344	2,656	3,246	1,180	-,871					
1622					2,768	1,887	1,972	-,131	3,183	2,749	3,563	,8486	-1,09					
2024					3,632	,1534	,8884	,3415	3,728	2,184	3,788	,8393	-2,30					
2500					4,276	-,885	1,639	-,258	2,624	3,177	3,[illegible]68	-,888	-2,41					
3150					-1,69	1,573	4,329	-1,71	3,461	1,262	1,751	-2,65	-2,98					
4000					-2,83	1,538	3,719	-,502	3,128	4,383	2,462	-1,66	-2,15					
5[illegible]00					1,853	,0355	-,588	2,547	4,746	2,671	3,266	-3,66	-3,71					
6300					2,879	,9625	2,889	-,588	2,843	4,863	2,485	-3,36	-2,71					
8000					,8137	2,923	1,589	-1,48	2,239	4,578	3,495	-1,88	-1,89					
10000					,9886	4,713	,6778	,9533	,8242	3,648	3,233	-2,63	-2,76					

693

AMBIENT TEMP. 42,22
WET-BULB TEMP. 34,22
BAR. PRESS.RE 29,19
ABS. HUMIDITY 3,482

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN=15 AUG=164 SPEED=5500

RADIAL DISTANCE 150

[illegible]: 2/25/70 PAGE: 1

[illegible] PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

[illegible]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						68.32		68.74		71.68	68.67	71.93	71.91	73.44	74.81	78.74			124.1
63						68.25		68.52		71.30	69.14	71.05	72.16	72.63	74.81	78.25			123.8
[illegible]						67.21		67.29		70.46	68.36	71.09	72.03	72.91	74.32	77.26			123.3
[illegible]						70.41		73.09		72.51	70.79	76.17	76.06	76.94	76.54	77.41			126.4
125						68.18		67.59		70.01	68.10	70.87	71.61	72.91	73.33	75.58			122.9
[illegible]						65.46		66.15		69.35	67.36	69.98	71.16	71.56	71.88	73.14			121.6
200						66.38		66.57		66.66	66.32	68.69	71.02	70.29	70.83	70.65			120.6
250						63.76		63.57		64.33	67.33	64.76	65.75	66.19	67.79	68.10			117.1
315						69.59		66.42		68.56	[illegible]	[illegible]	70.03	71.41	72.63	71.07			121.7
400						72.69		69.24		71.62	69.84	72.38	73.46	74.26	74.85	73.65			124.6
500						72.52		72.23		73.25	71.59	73.57	75.12	76.01	76.19	75.40			126.1
630						70.57		71.38		71.39	69.89	72.61	74.02	74.85	74.22	74.16			124.8
800						73.85		70.44		71.21	69.43	72.13	72.49	73.34	72.42	71.71			124.2
1000						77.90		76.49		76.41	74.23	77.64	77.45	79.51	76.68	75.02			129.4
1250						78.51		76.89		76.54	74.77	77.69	77.93	78.86	76.00	75.75			129.6
1600						80.95		79.17		79.44	77.83	80.71	80.41	81.48	77.57	76.31			132.3
2000						81.31		77.79		78.53	78.38	81.64	79.88	81.38	76.80	75.47			132.3
2500						80.36		76.04		78.09	76.21	78.09	79.34	79.89	74.24	73.92			130.9
3150						81.11		82.92		85.23	80.60	84.97	86.01	84.07	79.06	80.15			136.6
4000						86.41		89.32		90.45	86.26	89.46	91.07	89.96	84.92	85.62			142.3
5000						82.89		82.38		81.07	83.53	85.35	84.26	85.52	78.24	78.39			136.9
6300						83.45		81.13		82.09	80.49	82.24	84.23	83.71	76.82	77.36			136.3
8000						83.57		85.27		83.36	82.51	84.49	86.98	85.76	80.79	81.97			139.5
10000						82.23		85.44		82.62	81.35	82.37	83.34	84.63	77.79	78.65			139.1
MEASURED OASPL						94.01		94.57		95.11	92.85	95.64	96.64	96.27	92.05	92.60			
CALCULATED OASPL						93.02		93.85		94.03	91.81	94.49	95.55	95.23	90.88	91.56			
P [illegible]						107.6		108.8		109.5	106.7	109.6	110.7	110.3	105.9	106.3			

OAPWL: 147.6

[illegible] TEMP. 41.00
[illegible] TEMP. 35.00
[illegible] PRESSURE 29.19
[illegible] HUMIDITY 3.683

[illegible] /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

[illegible] #15 RDG=157 SPEED=5757

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RADIAL DISTANCE 150

DATE: 2/25/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-2,47		-2,05		1,889	-2,12	1,137	1,116	2,645	4,016	7,947		
60						-2,20		-1,93		,8483	-1,32	,5987	1,702	2,177	4,354	7,799		
80						-2,71		-2,62		,5466	-1,56	1,179	2,115	2,989	4,404	7,339		
100						-2,56		,1239		-,455	-2,17	3,206	3,097	3,979	3,576	4,446		
125						-1,15		-1,73		,6789	-1,23	1,541	2,275	3,574	3,996	6,244		
160						-2,57		-1,88		1,319	-,665	1,947	3,131	3,589	3,853	5,110		
200						-,547		-,358		-,266	-,602	1,769	4,096	3,362	3,902	3,727		
250						,3249		,1384		,8913	-,100	1,323	2,318	2,757	4,345	4,668		
315						1,717		-1,46		,6753	-,594	1,887	2,151	3,533	4,746	3,186		
400						1,985		-1,46		1,118	-,867	1,675	2,761	3,558	4,150	2,951		
500						,3858		,0369		1,054	-,599	1,378	2,924	3,811	3,991	3,207		
630						-,246		,5646		,5829	-,917	1,796	3,202	4,035	3,409	3,344		
800						3,747		,3357		1,109	-,675	2,031	2,383	3,233	2,314	1,602		
1000						2,716		1,303		1,228	-,955	2,459	2,263	4,329	1,493	-,159		
1250						3,196		1,587		1,230	-,539	2,378	2,616	3,544	,6885	,4326		
1600						3,115		1,343		1,607	-,005	2,883	2,582	3,616	-,259	-1,52		
2000						3,626		,1104		,8813	,6956	3,762	2,196	3,703	-,877	-2,21		
2500						4,131		-,181		1,863	-,019	2,664	3,114	3,672	-1,99	-2,30		
3150						-,546		1,261		3,569	-1,05	3,316	4,353	2,407	-2,59	-1,51		
4000						-,617		2,298		3,424	-,763	2,430	4,045	2,937	-2,11	-1,41		
5000						1,518		,9984		-,311	2,156	3,971	2,880	4,139	-3,14	-2,98		
6300						3,268		,9473		1,914	,3104	2,051	4,048	3,526	-3,37	-2,82		
8000						1,078		2,777		,8594	,0168	1,995	4,486	3,268	-1,70	-,522		
10000						1,481		4,695		-,130	,5981	1,618	2,596	3,886	-2,95	-2,09		

A BIENT TEMP. 41,02
WET-BULB TEMP. 35,02
BAR. PRESSURE 27,19
ABS. HUMIDITY 3,683

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RIG=157 SPEED=5 52

RADIAL DISTANCE 150

DATE: 3/26/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
32						72,24		72,44		74,16	70,50	73,66	73,58	75,21	76,56	82,60			126,8
63						71,17		71,38		73,14	70,50	72,99	73,33	74,94	76,68	81,43			126,1
87						69,73		70,13		72,69	69,48	73,33	73,29	74,88	75,86	80,15			125,5
100						73,38		74,43		74,61	71,59	74,85	76,41	78,87	78,91	80,91			128,8
125						70,01		69,99		71,99	69,31	72,77	73,47	74,75	75,46	79,19			128,1
160						67,17		67,89		70,81	67,93	71,67	72,32	73,12	73,92	77,13			125,6
220						68,73		68,93		69,27	66,37	68,94	73,97	72,46	73,10	74,75			122,9
250						66,92		65,04		65,09	63,00	65,77	66,91	68,02	69,65	72,85			119,2
315						72,61		67,66		68,80	67,39	70,12	70,67	72,65	73,[illegible]	73,17			122,8
400						74,97		70,93		73,48	70,29	73,87	74,86	75,59	75,72	75,12			125,9
500						72,57		73,47		74,36	71,99	74,82	76,22	77,44	77,15	76,38			127,1
630						71,41		72,23		72,69	70,30	74,18	75,02	76,18	75,29	75,99			126,8
800						76,13		72,39		72,58	69,91	73,41	73,92	75,25	73,67	74,31			125,9
1000						77,92		77,09		77,55	75,03	78,49	78,31	80,40	77,33	76,00			130,1
1250						80,15		78,80		77,82	75,96	79,15	79,95	80,98	77,25	76,97			131,3
1600						82,22		80,95		80,57	78,66	81,89	81,60	82,45	78,29	78,35			133,5
2000						82,21		79,48		79,13	78,85	82,31	80,83	82,66	77,40	77,08			133,2
2500						81,86		77,72		76,64	76,67	79,61	80,38	80,89	74,89	7[illegible],39			131,9
3150						79,68		81,56		83,96	78,78	83,95	84,91	82,19	77,48	79,19			135,3
4000						87,16		91,77		92,43	87,76	90,14	92,37	90,39	86,12	86,47			143,7
5000						82,72		83,35		81,82	82,83	86,44	83,49	84,91	78,14	78,03			137,8
6300						83,99		83,03		83,24	81,99	85,72	84,86	83,77	77,17	77,96			137,5
8000						83,80		86,91		83,84	81,18	85,49	86,43	85,86	81,03	82,63			139,8
10000						81,47		85,61		80,62	80,51	82,89	85,18	85,34	78,31	79,49			139,5
MEASURED OASPL						94,68		96,29		96,29	93,23	96,68	97,22	96,83	93,25	94,87			
CALCULATED OASPL						93,56		95,43		95,18	92,18	95,41	96,17	95,66	91,77	93,22			
PNDB						108,3		110,7		110,9	107,5	110,4	111,7	110,8	106,8	107,6			

OAPWL: 148,4

AMBIENT TEMP. 41,00
WET-BULB TEMP. 35,00
BAR. PRESSURE 29,19
ABS. HUMIDITY 3,683

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

[illegible] RDG=160 SPEED=6700

E72

RADIAL DISTANCE 150

DATE: 3/26/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,5	17,5	27,5	37,5	47,5	57,5	67,5	77,5	87,5	97,5	107,5	117,5	127,5	137,5	147,5	157,5	167,5	177,5 (PWL)
50					-1,23		-1,43	,6588	-2,97	,1828	,1030	1,735	3,285	9,129				
63					-1,59		-1,38	,3888	-2,26	,2249	,9789	2,176	3,914	8,666				
80					-2,33		-1,92	,6332	-2,56	1,269	1,239	2,819	3,602	8,893				
100					-1,15		-,141	,8838	-2,94	,3269	1,881	4,347	4,383	6,379				
125					-1,61		-1,62	,3693	-2,31	1,157	1,853	3,135	3,843	7,579				
160					-2,83		-2,10	,8126	-2,87	1,674	2,324	3,118	3,919	7,133				
200					-,535		-,338	-,881	-2,89	-,328	4,782	3,185	3,832	5,481				
250					1,451		-,433	-,377	-2,47	,2964	1,436	2,543	4,176	7,374				
315					3,588		-1,37	-,145	-1,63	1,898	1,645	3,624	4,422	4,142				
400					2,845		-1,19	1,355	-1,84	1,737	2,739	3,469	3,580	2,989				
500					-,836		,2972	1,154	-1,22	1,690	3,817	4,284	3,930	2,872				
630					-,595		,2218	,6801	-1,71	2,175	3,818	4,178	3,287	3,978				
800					4,334		,7934	,7705	-1,88	1,610	2,127	3,483	1,675	2,918				
1000					1,979		1,146	1,613	-,988	2,549	2,366	4,459	1,389	,8688				
1250					3,177		1,826	,8414	-1,82	2,178	2,976	4,889	,2691	-,883				
1600					3,178		1,988	1,981	-,384	2,859	2,962	3,485	-,793	-,603				
2000					3,558		,8384	,4766	,1959	3,668	2,188	4,886	-1,25	-1,97				
2500					3,925		,5870	1,584	-,465	2,741	3,241	3,783	-2,25	-1,74				
3150					-,876		1,201	3,995	-1,58	3,611	4,991	1,838	-2,8*	-,975				
4000					-1,28		3,338	3,996	-,871	1,788	3,038	1,951	-2,31	-1,77				
5000					1,812		1,846	,3132	1,321	4,931	1,984	3,482	-3,37	-2,68				
6300					2,689		1,644	1,859	,6848	4,342	2,681	2,394	-4,22	-3,42				
8000					1,832		4,136	,2788	-1,59	2,728	3,656	3,886	-1,74	-,139				
10000					,2958		4,433	-,859	-,661	1,724	4,882	4,161	-2,87	-1,69				

AMBIENT TEMP, 41,00
WET-BULB TEMP, 35,67
BAR. PRESSURE 29,19
ABS. HUMIDITY 3,483

FAA FAN/COMPRESSOR - PHASE 5B + 5C INVS 9 DEG CLOSED T/O 2/23/72

PWLB PWL3=108 SPEED=67,0

E73

RADIAL DISTANCE 150

DATE: 3/26/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5						70.25		72.09		72.26	70.55	73.91	73.68	75.18	76.46	79.37			125.4
63						69.79		69.95		72.13	70.64	73.46	73.91	75.35	76.98	79.75			125.6
80						68.26		68.88		71.66	69.74	73.09	74.11	75.53	76.53	78.87			125.2
100						73.83		74.48		73.91	71.67	75.24	78.15	79.89	79.78	79.89			128.4
125						72.56		70.35		72.39	70.38	73.65	74.75	75.91	76.16	77.57			125.5
160						67.47		68.13		70.97	68.86	72.26	73.36	74.81	74.39	74.[illegible]3			122.7
200						67.84		67.95		69.39	67.88	70.18	73.84	72.88	72.70	70.93			122.5
250						65.97		65.28		65.29	63.66	66.46	67.68	68.15	69.65	70.26			118.9
315						71.78		68.93		69.98	67.99	70.41	72.40	73.83	74.95	73.91			123.6
400						74.65		71.06		72.89	71.14	74.93	75.89	76.88	77.56	77.43			126.[illegible]
500						73.93		73.88		74.83	72.95	75.97	77.44	78.47	78.28	77.98			128.2
630						71.83		73.19		73.87	71.46	75.55	76.31	76.46	75.54	75.86			126.8
800						75.46		73.11		72.87	70.46	73.83	74.53	74.86	73.97	73.80			125.9
1000						78.97		77.84		77.98	75.93	79.39	79.21	80.84	78.46	77.11			130.9
1250						80.09		79.22		78.76	76.56	79.89	79.72	80.17	77.25	76.90			131.4
1600						82.64		81.42		81.21	79.57	83.09	82.28	82.94	78.98	78.12			134.1
2000						82.55		80.58		80.31	80.06	83.42	81.47	82.71	77.86	77.83			133.9
2500						81.55		78.54		79.78	78.84	80.99	80.95	81.22	75.46	75.22			132.6
3150						79.46		81.49		84.24	79.97	84.88	84.82	82.07	77.33	78.70			135.6
4000						86.28		91.67		92.11	90.08	92.64	93.28	90.41	86.86	85.97			144.3
5000						83.19		83.90		81.78	83.56	86.41	84.39	85.27	78.29	78.81			137.4
6300						86.15		84.84		84.74	83.49	85.84	86.45	84.94	77.73	78.48			138.8
8000						83.44		85.16		84.62	83.59	85.74	88.59	88.94	83.22	83.16			141.4
10000						81.68		86.91		81.73	81.89	83.54	87.93	85.58	78.97	79.63			140.7
MEASURED OASPL						94.93		96.86		96.41	94.85	97.59	98.18	97.36	93.64	93.93			
CALCULATED OASPL						93.76		95.96		95.39	93.81	96.56	97.38	96.33	92.35	92.63			
PNDB						108.2		110.9		111.8	109.3	112.1	112.6	111.1	107.1	107.1			

OAPWL: 149.2

AMBIENT TEMP. 41.02
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.483

FAA [illegible]/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=55 RDG=169 SPEED=6195

RADIAL DISTANCE 150

PAGE1 2

SOUND PRESSURE LEVELS, DIRECTIVITY INDEX

	ANGLES FROM INLET																
	12,2	24,0	36,7	42,8	54,7	67,7	72,9	84,2	90,0	102,0	118,8	126,0	138,3	140,2	150,2	168,8	178,2 (PWL)
					-1,79	-2,04	,1267	-1,58	1,777	1,546	3,046	4,329	7,241				
					-2,48	-2,31	-,140	-1,62	1,195	1,646	3,085	4,715	7,081				
					-3,74	-2,91	-,136	-2,05	1,292	2,387	3,727	4,739	7,678				
					-1,12	-,472	-1,85	-3,28	,2853	3,194	4,948	4,825	4,939				
					-1,48	-2,62	,4149	-1,67	1,679	2,781	3,938	4,192	5,867				
					-2,62	-4,97	,3789	-1,24	2,168	3,268	3,989	4,895	4,937				
					-,859	-,847	,2923	-,999	1,376	3,839	3,283	3,901	2,189				
					,7827	,1275	,1453	-1,49	1,388	2,533	2,999	4,498	5,112				
					1,096	-,859	,1971	-1,79	,8223	1,703	4,843	5,163	4,116				
					1,391	-2,00	-,171	-1,92	1,869	2,831	3,748	4,982	4,373				
					-,955	-,481	,9521	-1,33	1,699	3,181	4,187	3,994	3,894				
					-,851	,4085	1,884	-1,33	2,767	3,522	3,678	2,755	3,672				
					3,503	1,248	1,881	-1,41	1,958	2,658	2,969	2,897	1,934				
					2,248	1,110	1,249	-,796	2,657	2,484	4,114	1,732	,3767				
					2,975	2,101	1,632	-,565	2,766	2,903	3,848	,1827	-,281				
					4,941	1,717	1,583	-,135	3,388	2,977	3,886	-,725	-1,88				
					3,164	1,199	,9338	,6788	4,843	2,888	3,388	-1,52	-2,35				
					3,861	,8467	1,889	,1988	3,896	3,[illegible]	3,[illegible]	-2,43	-2,67				
					-1,15	,8975	3,632	-,639	4,277	4,212	1,468	-3,27	-1,91				
					-2,85	2,621	3,053	1,824	3,585	4,149	1,359	-2,99	-3,88				
					1,319	2,631	-,887	1,885	4,539	2,583	3,369	-3,97	-3,86				
					3,469	2,156	2,854	,8889	2,354	3,764	2,251	-4,96	-4,21				
					-,932	3,789	,2514	-,782	1,372	4,823	4,973	-1,13	-1,91				
					-,778	4,928	-,649	-1,28	1,162	5,512	3,194	-3,41	-2,75				

[illegible] TEMP, 42,2°
[illegible] TEMP, 35,0°
[illegible] PRESS SE 29,19
[illegible] HUMIDITY 7,483

FAN FA [illegible]PRESSOR = PHASE 08 + 0C IGVS 9 DEG CLOSED T/D 2/23/70

PC #10 PC #150 SPEED=6195

RADIAL DISTANCE 150

DATE: 3/26/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						72.19		73.45		75.93	74.28	77.35	75.42	77.27	78.88	82.60			128.3
63						73.68		73.72		75.39	74.58	77.07	76.08	77.94	79.44	82.94			128.7
80						69.78		72.27		74.37	73.56	76.18	75.79	77.74	78.78	81.62			127.8
100						72.45		75.77		75.60	73.35	77.38	79.99	82.23	82.26	82.69			130.5
125						72.66		72.68		73.76	72.08	76.01	77.19	78.97	79.23	80.59			128.8
160						68.47		70.09		72.85	71.10	74.60	75.20	76.61	77.09	77.55			126.0
200						67.47		67.66		70.97	69.14	73.02	74.10	74.56	75.67	74.60			124.3
250						66.43		66.78		67.16	65.64	69.68	69.98	71.38	72.59	73.28			121.4
315						73.14		68.93		69.93	69.02	72.18	72.93	75.08	76.57	75.43			124.8
400						75.47		71.79		74.11	72.39	76.47	77.11	78.12	79.33	78.95			128.3
500						75.16		74.58		76.06	74.11	77.83	78.76	80.32	80.37	79.99			129.8
630						72.66		74.26		75.63	72.85	77.37	78.40	79.25	78.69	78.55			128.9
800						76.64		73.21		73.74	71.51	75.14	75.99	77.23	76.28	75.69			127.4
1000						79.93		78.55		78.77	76.70	80.08	79.79	81.66	79.52	78.15			131.7
1250						80.98		79.72		79.19	77.15	81.18	80.92	82.09	78.85	78.38			132.5
1600						83.43		82.06		82.18	80.35	83.68	82.92	83.89	80.31	79.32			134.9
2000						83.72		81.29		81.19	80.73	84.08	82.41	83.81	79.26	78.44			134.9
2500						82.66		79.51		81.03	78.74	82.15	82.29	82.78	77.85	76.69			133.9
3150						80.19		81.73		85.14	80.26	85.72	85.91	83.47	78.68	79.99			136.5
4000						86.24		91.83		94.41	95.28	93.59	93.66	91.62	88.36	87.91			146.1
5000						83.82		84.57		83.78	85.14	87.97	85.90	86.95	80.83	80.56			138.8
6300						85.77		85.51		85.83	84.80	87.13	87.46	86.00	80.45	79.64			139.8
8000						84.18		88.48		85.62	84.49	87.97	88.41	89.19	84.50	83.86			142.1
10000						83.03		87.21		84.39	83.04	85.64	90.04	87.58	81.88	81.17			142.4
MEASURED OASPL						95.49		97.31		98.22	98.13	98.95	99.03	98.66	95.78	96.01			
CALCULATED OASPL						94.34		96.37		97.21	97.18	97.92	98.27	97.64	94.46	94.68			
PNDB						109.4		111.3		112.9	112.9	113.3	113.4	112.5	109.3	108.9			

OAPWL: 150.7

AMBIENT TEMP. 41.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.483

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN=15 RDG=17 SPEED=6450

RADIAL DISTANCE 150

DATE: 3/16/72 PAGE: 9

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	12.2	24.0	32.2	42.2	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-2.75	-1.53			.9527	-.699	2.873	.4432	2.294	3.982	7.627		
63						-1.64	-1.61			.0613	-.744	1.743	.7564	2.612	4.116	7.615		
80						-4.61	-2.13			-.826	-.839	1.780	1.398	3.345	4.586	7.219		
100						-4.61	-1.30			-1.47	-3.71	.8187	2.930	5.161	5.194	5.629		
125						-3.83	-1.81			-.731	-2.41	1.519	2.696	4.479	4.742	6.106		
160						-3.9	-2.32			.4463	-1.31	2.274	2.838	4.003	4.679	5.189		
200						-3.[illegible]	-2.96			.3451	-1.48	2.395	3.479	3.939	5.858	3.931		
250						-1.25	-.898			-.527	-2.04	1.999	2.296	3.697	4.905	5.594		
315						2.105	-2.11			-1.11	-2.01	1.142	1.692	4.044	5.536	4.369		
400						1.063	-2.62			-.292	-2.82	2.368	2.703	3.712	4.921	4.848		
500						-.727	-1.31			.1894	-1.78	1.936	2.878	4.428	4.483	4.105		
630						-2.26	-.661			.7898	-2.07	2.446	3.484	4.330	3.767	3.635		
800						3.345	-.891			.4352	-1.79	1.843	2.692	3.934	2.983	2.389		
1000						2.401	1.027			1.246	-.822	2.552	2.262	4.138	1.990	.6227		
1250						2.762	1.500			.9709	-1.07	2.969	2.705	3.869	.6310	.1353		
1600						2.924	1.553			1.678	-.157	3.176	2.418	3.381	-.193	-1.18		
2000						3.425	.9936			.8987	.4362	3.784	2.119	3.512	-1.04	-1.85		
2500						3.856	.4805			1.921	-.366	3.843	3.181	3.671	-2.05	-2.42		
3150						-1.29	.2359			3.646	-1.23	4.225	4.419	1.971	-2.81	-1.31		
4000						-4.61	.9757			3.559	-.435	2.737	2.887	.7756	-2.49	-2.94		
5000						.4842	1.239			.4455	1.808	4.638	2.5[illegible]	3.617	-2.49	-2.78		
6300						2.036	1.774			2.895	1.064	3.391	3.722	2.265	-3.29	-4.10		
8000						-.855	3.443			.5859	-.536	2.937	3.371	4.156	-.532	-1.17		
10000						-1.09	3.089			.2795	-1.08	1.520	5.917	3.457	-2.24	-2.95		

AMBIENT TEMP. 41.02
WET-BULB TEMP. 35.02
BAR. PRESSURE 29.[illegible]9
ABS. HUMIDITY 3[illegible].83

FAA FAN/COMPRESSOR - PHASE 58 - 50 IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=172 SPEED=6 52

RADIAL DISTANCE 150

DATE: 3/26/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						74.76		72.75		74.16	71.24	75.35	76.29	78.24	79.76	82.28			128.1
63						75.33		73.57		73.76	72.40	75.86	77.98	78.44	80.31	82.69			128.6
80						73.94		71.91		73.72	71.37	75.32	76.12	78.99	79.86	82.21			128.3
100						75.29		74.96		74.84	73.26	77.05	79.03	81.08	80.95	82.17			129.8
125						74.36		73.71		74.44	72.47	76.20	78.15	79.68	79.99	80.50			128.7
160						72.24		70.82		73.42	70.83	74.65	75.30	76.44	77.11	77.18			126.2
200						70.34		68.93		71.07	69.08	72.18	73.39	73.97	75.12	73.92			123.9
250						67.77		67.29		67.84	65.47	69.70	70.43	71.65	73.14	74.08			121.9
315						71.74		68.93		70.49	69.38	73.58	75.38	77.09	78.62	77.71			126.3
400						73.79		71.68		74.46	73.17	77.42	78.68	79.93	80.36	80.81			129.4
500						76.52		74.89		76.79	74.84	78.51	79.77	81.08	81.54	80.82			130.6
630						74.56		75.31		76.99	73.28	76.91	77.94	78.65	77.82	77.82			128.9
800						75.93		73.79		74.45	72.06	75.85	76.98	77.39	77.19	76.76			127.9
1000						81.19		79.15		79.28	77.32	80.57	80.56	82.79	80.29	79.11			132.5
1250						81.17		80.38		79.58	77.46	81.09	81.09	81.91	79.18	78.19			132.7
1600						84.49		83.27		82.58	80.78	84.26	83.49	84.56	80.39	80.81			135.7
2000						84.62		82.49		81.73	81.29	84.56	83.27	84.99	79.58	78.69			135.6
2500						83.43		80.47		81.65	79.78	82.59	83.05	83.83	77.36	77.83			134.5
3150						80.98		82.75		85.61	80.63	86.00	86.62	84.05	78.94	80.11			136.9
4000						87.84		92.59		93.23	93.17	93.23	93.27	91.73	88.26	87.41			145.5
5000						84.81		86.18		84.67	86.11	88.60	86.96	87.89	81.77	81.26			139.8
6300						86.55		86.21		86.57	86.24	87.37	88.16	87.81	80.28	79.51			140.7
8000						84.56		89.68		85.86	84.45	89.91	89.84	90.11	86.81	84.16			142.2
10000						83.09		88.11		84.84	83.15	86.59	89.85	88.48	82.98	81.78			142.6
MEASURED OASPL						96.40		98.12		97.79	97.03	99.14	99.32	99.24	96.11	96.02			
CALCULATED OASPL						95.16		97.29		96.85	96.19	98.25	98.49	98.29	95.82	94.72			
PNDB						109.3		112.2		112.4	111.8	113.3	113.5	112.9	109.5	108.9			

OAPWL: 150.9

AMBIENT TEMP. 41.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.683

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=171 SPEED=6600

RADIAL DISTANCE 150

DATE: 3/26/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-.333	-2.05	-.631	-3.55	.5522	1.492	3.441	4.969	7.405				
63						.2496	-1.71	-1.51	-2.88	.5884	1.795	3.161	5.028	7.417				
80						-.939	-2.97	-1.16	-3.51	.4403	1.941	4.112	4.982	7.333				
100						-.987	-1.33	-1.44	-3.00	.7619	2.745	4.794	4.665	5.888				
125						-.831	-1.47	-.748	-2.71	1.108	2.958	4.496	4.601	5.317				
160						-.379	-1.79	.7996	-1.79	2.038	2.743	3.822	4.494	4.562				
200						.2003	-1.41	.7288	-1.26	1.842	3.058	3.631	4.785	5.577				
250						-.411	-.883	-.333	-2.70	1.605	2.254	3.472	4.958	5.898				
315						-.819	-3.63	-2.07	-3.25	1.026	2.825	4.539	6.868	5.155				
400						.2111	-3.91	-1.12	-2.42	1.837	3.864	4.351	4.775	5.226				
500						-.166	-1.79	.1168	-1.84	1.832	3.889	4.401	4.377	4.142				
630						-.349	.3082	2.081	-1.63	2.005	3.033	3.945	2.913	2.913				
800						2.119	-.026	.6484	-1.76	2.034	3.089	3.583	3.379	2.945				
1000						2.867	.8186	.8754	-1.01	2.245	2.232	4.462	1.973	.7860				
1250						2.784	1.995	1.196	-.931	2.780	2.712	3.524	.7907	-.192				
1600						3.200	2.056	1.367	-.438	3.051	2.479	3.346	-.819	-1.28				
2000						3.611	1.485	.7215	.2842	3.545	2.259	3.574	-1.43	-2.32				
2500						3.646	.8783	1.065	-.005	2.798	3.261	3.446	-2.43	-2.76				
3150						-1.08	.7153	2.578	-1.39	3.971	4.589	2.021	-3.09	-1.92				
4000						-3.15	2.401	3.039	2.979	3.043	3.083	1.540	-1.93	-2.78				
5000						.5187	1.886	.3782	1.818	4.386	2.659	3.681	-2.53	-3.03				
6300						1.979	1.643	2.004	1.668	2.882	3.592	3.239	-4.29	-5.06				
8000						-1.63	3.495	-.321	-1.73	3.723	3.661	3.939	.6315	-2.82				
10000						-1.23	3.783	-.294	-1.18	2.261	4.716	4.191	-1.35	-2.55				

AMBIENT TEMP. 41.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.883

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=171 SPEED=6600

RADIAL DISTANCE 150

DATE: 2/26/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						70.89		73.39		75.89	71.52	75.79	77.24	78.28	80.12	83.84			128.7
63						72.23		73.38		74.76	72.23	75.95	77.39	78.63	80.39	83.99			128.9
80						70.35		71.88		74.59	72.15	76.48	77.53	78.81	80.49	83.33			128.8
100						73.62		74.75		76.62	73.69	77.53	78.81	80.76	81.33	83.65			130.1
125						78.13		79.85		80.88	75.52	77.39	79.83	82.47	81.75	82.87			131.4
160						69.48		70.75		74.82	71.52	75.46	76.87	77.67	78.42	79.81			127.2
200						68.52		68.29		71.29	69.58	73.28	75.84	75.56	76.58	75.32			125.8
250						69.75		67.74		69.22	67.22	70.96	71.70	72.66	74.22	75.21			123.1
315						73.61		71.81		72.84	71.86	75.11	76.41	77.97	79.41	78.67			127.5
400						78.97		73.57		76.16	73.34	78.39	79.67	80.54	81.23	81.54			130.4
500						79.22		76.63		78.79	75.29	80.17	81.51	82.48	82.39	82.33			132.2
630						74.78		76.37		78.37	74.59	79.62	80.69	80.82	80.10	79.93			130.9
800						77.69		74.24		75.69	72.86	77.14	77.61	78.42	77.67	77.36			128.9
1000						81.09		79.92		80.56	77.79	81.56	81.65	83.54	[illegible]	80.84			133.3
1250						81.84		80.64		80.31	77.97	81.57	82.88	83.03	79.98	79.45			133.4
1600						84.73		83.14		83.48	81.11	84.78	84.49	85.51	81.27	80.41			136.2
2000						85.81		82.66		82.86	81.46	85.86	83.89	85.83	80.10	79.29			136.1
2500						83.89		81.85		83.88	79.83	83.47	84.84	83.92	77.99	77.79			135.3
3150						81.86		82.56		86.25	80.59	86.53	87.34	84.70	79.37	80.77			137.5
4000						87.98		93.22		92.37	88.88	95.89	96.99	94.85	88.54	89.23			146.6
5000						86.76		89.69		87.98	86.65	92.88	92.83	92.83	85.53	85.88			143.5
6300						86.55		85.42		85.33	83.38	86.98	88.58	86.54	80.82	80.17			140.1
8000						84.49		89.97		86.65	83.64	89.55	90.17	89.91	82.81	83.87			143.1
10000						84.27		90.83		86.45	83.77	88.35	89.79	89.93	83.36	83.29			144.1
MEASURED OASPL						96.83		98.70		98.48	95.58	100.4	101.6	100.9	96.68	97.55			
CALCULATED OASPL						95.76		98.22		97.39	94.41	99.61	100.8	99.95	95.45	96.28			
PNDB						110.0		112.9		112.6	109.4	114.8	116.2	115.0	109.9	110.5			

OAPWL: 151.9

AMBIENT TEMP. 41.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.19
ABS. HUMIDITY 3.683

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RC =15 RUG=172 SPEED=6900

RADIAL DISTANCE 130

DATE: 2/26/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	0.0	10.	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5						-4,53		-2,23		-,328	-3,89	,3731	1,829	2,867	4,706	6,428			
63						-3,39		-2,23		-,861	-3,39	,3886	1,768	3,813	4,771	8,369			
80						-5,06		-3,54		-,828	-3,27	1,867	2,118	3,394	5,881	7,917			
100						-3,05		-1,91		-,841	-2,96	,8681	2,153	4,182	4,668	6,988			
125						,1243		1,021		1,975	-2,51	-,634	1,799	4,444	3,720	4,844			
160						-4,13		-2,86		,4882	-2,89	1,848	3,263	4,859	4,913	5,484			
200						-2,84		-3,26		-,862	-1,78	1,985	3,886	4,286	[illegible]	3,966			
250						,4046		-1,63		-,157	-2,16	1,584	2,329	3,288	[illegible]	5,834			
315						-,149		-2,75		-,913	-2,69	1,354	2,658	4,217	5,[illegible]55	4,917			
400						,4673		-2,94		-,342	-3,17	1,888	3,897	4,838	4,728	5,839			
500						,9087		-1,66		,5874	-3,88	1,874	3,819	4,186	4,182	4,889			
630						-2,09		-,789		1,511	-2,27	2,758	3,826	3,959	3,237	3,871			
800						2,907		-,538		,9105	-1,92	2,358	2,827	3,636	2,886	2,578			
1000						1,957		,7838		1,418	-1,31	2,418	2,584	4,398	2,156	,8999			
1250						2,716		1,521		1,185	-1,16	2,442	2,952	3,984	,8551	,3811			
1600						2,965		1,373		1,719	-,655	3,827	2,785	3,768	-,496	-1,36			
2000						3,582		1,151		1,348	-,849	1,549	2,863	3,583	-1,40	-2,22			
2500						3,339		,5042		2,533	-,716	2,918	3,492	3,365	-2,55	-2,75			
3150						-1,46		,8378		3,731	-1,93	3,857	4,825	2,182	-3,15	-1,75			
4000						-3,36		1,878		1,835	-2,54	3,757	5,648	3,589	-2,88	-2,11			
5000						-1,19		1,734		,8278	-1,38	4,846	4,869	4,871	-2,42	-2,98			
6300						2,535		1,407		2,309	-,637	2,962	4,566	2,528	-3,99	-3,45			
8000						-1,55		3,925		,6886	-2,41	3,588	4,131	3,866	-3,23	-2,18			
10000						-1,49		4,267		,6869	-1,99	2,569	4,828	4,168	-2,48	-2,47			

AMBIENT TEMP. 41,00
WET-BULB TEMP. 35,00
BAR. PRESSURE 29,19
ABS. HUMIDITY 3,483

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=172 SPEED=6900

RADIAL DISTANCE 150

DATE: 3/ 9/7[illegible]

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(PWL)
50					72.29	76.11	76.38	72.17	76.89	77.[illegible]6	78.86	81.15	84.82			129.7
63					73.83	76.52	75.69	72.17	77.24	77.76	[illegible]	82.22	85.5[illegible]			130.3
80					71.69	74.97	75.21	72.48	77.63	78.34	79.72	81.56	84.5[illegible]			129.9
100					73.61	76.32	76.38	73.28	78.31	79.[illegible]9	81.24	82.52	84.8[illegible]			132.9
125					80.24	80.94	80.55	75.11	77.95	81.05	82.17	82.18	85.61			132.6
160					73.51	74.46	75.17	71.54	77.23	77.95	78.54	79.83	82.6[illegible]			128.6
200					74.29	74.7[illegible]	72.25	69.69	75.53	77.27	76.12	77.29	75.8[illegible]			126.4
250					7[illegible].21	73.8[illegible]	70.81	68.49	73.47	73.96	73.52	74.62	76.37			124.9
315					74.42	75.66	74.61	71.96	76.46	78.42	78.85	80.73	79.29			128.9
400					78.11	77.7[illegible]	78.92	75.66	80.23	81.84	82.56	83.26	82.8[illegible]			132.4
500					8[illegible].27	80.54	8[illegible].71	76.29	81.39	83.52	84.25	83.38	83.62			133.9
630					74.72	78.84	79.72	74.76	79.92	81.13	81.7[illegible]	81.15	82.6[illegible]			131.7
800					78.12	77.36	7[illegible].95	74.28	79.39	79.23	79.59	78.39	77.24			131.3
1000					81.15	81.42	81.22	77.59	82.56	81.99	83.88	81.64	82.65			133.9
1250					81.43	82.07	80.99	77.6[illegible]	82.87	82.65	83.21	80.39	79.8[illegible]			133.9
1600					84.17	84.29	83.96	80.72	85.29	84.52	85.45	81.12	80.74			136.4
2000					84.62	82.89	82.79	80.57	85.46	83.52	84.56	79.42	79.14			135.9
2500					83.74	81.35	83.13	79.31	84.14	83.75	83.38	77.73	77.75			135.3
3150					81.42	83.65	87.61	81.24	87.83	87.42	84.33	79.66	81.17			138.2
4000					87.02	93.92	92.87	88.32	94.51	92.56	90.19	86.88	86.37			144.9
5000					90.42	96.82	93.82	89.79	96.97	94.[illegible]2	92.51	89.23	88.54			147.3
6300					87.06	86.23	88.85	84.72	88.37	89.21	86.69	82.44	81.1[illegible]			141.2
8000					84.48	89.28	87.87	84.14	89.49	89.18	88.29	82.16	83.45			142.7
10000					86.08	91.98	89.46	85.87	92.92	90.57	91.39	84.65	85.67			146.1
MEASURED CASP					97.41	101.8	99.58	95.81	101.9	100.5	99.76	97.42	98.14			
CALCULATED CASPL					95.54	102.9	99.06	95.35	101.3	99.97	99.32	96.25	96.97			
PNDB					110.9	115.2	113.3	109.7	115.9	114.[illegible]	113.4	110.2	110.1			
															CAPNL	152.9

AMBIENT TEMP.	42.00
WET-BULB TEMP.	34.00
BAR. PRESSURE	29.19
ABS. HUMIDITY	2.903

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/7[illegible]

RUN=15 RDG=173 SPEED=7127

RADIAL DISTANCE 156

DATE: 2/29/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	7.7	17.7	27.7	37.7	47.7	57.7	67.7	77.7	87.7	97.7	107.7	117.7	127.7	137.7	147.7	157.7	167.7	177.7 (PWL)
50					-4.17	-.281		-.247	-4.22	.5161	.6759	2.469	4.704	8.435				
63					-3.12	-.428		-1.26	-4.78	.8879	.8162	2.582	5.274	9.629				
80					-4.85	-1.58		-1.84	-4.27	1.289	1.793	3.157	5.718	8.213				
100					-3.82	-1.11		-1.65	-4.14	.8894	1.859	3.817	5.282	7.442				
125					-.137	1.837		-1.43	-3.99	-1.16	1.945	3.664	3.977	4.527				
160					-3.49	-.532		-.1716	-3.45	2.239	2.439	3.944	4.831	5.616				
200					-2.71	1.719		-.742	-3.31	2.534	4.276	3.128	4.291	2.885				
250					-1.14	2.672		-.353	-2.67	2.24	2.796	2.354	3.438	5.172				
315					-.741	.4996		-.556	-3.21	1.297	2.853	3.688	5.564	4.119				
400					-.485	-.687		.3202	-2.93	1.639	3.249	3.972	4.686	4.293				
500					.2978	.9669		.7385	-3.69	1.628	3.549	4.283	3.435	3.659				
630					-3.22	1.115		1.969	-2.99	2.171	3.381	3.955	3.484	2.879				
800					.925	1.467		.7544	-2.11	3.191	3.939	3.392	2.192	1.449				
1000					.449	1.729		1.513	-2.12	2.893	2.286	4.167	1.927	.9412				
1250					1.772	2.419		1.244	-2.24	3.214	2.991	3.357	.7437	.2251				
1600					2.165	2.158		2.821	-1.21	3.392	2.583	3.518	.8311	-1.17				
2000					3.282	1.549		1.459	-.762	4.122	2.185	3.224	-1.93	-2.17				
2500					3.221	.8241		2.613	-1.21	3.623	3.233	2.858	-2.79	-2.77				
3150					-1.84	.3944		4.359	-2.22	4.966	4.154	1.868	-3.59	-2.29				
4000					-2.65	4.278		2.427	-1.34	4.892	2.896	.5349	-2.78	-3.29				
5000					-1.42	4.977		1.175	-2.25	5.121	2.154	.6636	-2.61	-3.31				
6300					-.953	1.122		3.434	-.395	3.192	4.393	1.987	-4.67	-4.22				
8000					-1.15	3.546		2.837	-1.49	3.863	3.539	2.853	-3.48	-3.14				
10000					-1.65	4.239		1.717	-1.87	3.185	2.828	4.159	-3.89	-2.66				

AMBIENT TEMP. 42.88
WET-BULB TEMP. 34.88
BAR. PRESSURE 29.19
ABS. HUMIDITY 2.983

FAA FAN/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 J=0=173 SPEED=7127

RADIAL DISTANCE 150

DATE: 7/ 9/7

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET .0	1.0	2.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						71,77		73,75		75,82	71,98	76,88	77,86	78,75	81,14	85,55			129,7
63						73,59		75,38		75,52	71,50	77,35	78,66	80,19	82,17	86,85			130,6
80						71,72		73,11		75,58	71,29	77,10	78,31	79,92	82,01	85,85			130,1
100						73,19		74,46		76,79	72,18	78,24	78,88	80,87	82,62	85,35			130,8
125						77,46		73,48		80,93	74,62	81,48	81,46	82,12	81,47	84,85			132,5
160						71,32		72,20		75,54	70,67	76,24	77,39	78,35	79,04	80,80			128,8
200						69,26		69,35		72,16	67,99	73,18	74,44	74,97	76,12	74,66			124,7
250						69,79		68,95		69,85	65,96	71,79	73,63	74,37	76,93	77,44			124,7
315						74,78		72,37		75,39	71,07	76,68	77,75	79,65	82,00	81,89			129,6
400						79,23		76,39		81,18	75,82	80,15	82,58	83,27	84,51	85,58			133,7
500						80,35		78,35		81,16	78,33	80,77	82,37	83,52	83,44	83,71			133,6
630						73,89		77,15		78,49	73,43	78,96	80,19	81,02	79,71	79,18			130,6
800						77,38		75,37		79,61	73,76	80,19	83,37	78,79	79,33	79,11			131,5
1000						79,46		79,59		80,44	76,88	81,89	81,85	83,72	81,37	80,44			133,2
1250						79,45		76,36		79,79	76,79	81,86	81,88	81,98	79,81	78,89			132,4
1600						80,99		82,18		82,26	79,47	83,47	83,53	84,93	80,48	79,72			134,8
2000						81,32		80,36		80,73	78,85	83,47	82,37	82,75	79,26	77,64			133,9
2500						82,18		78,75		80,71	77,76	81,66	81,86	81,22	78,96	79,24			133,8
3150						78,28		81,49		85,29	79,38	85,19	85,67	82,16	80,86	78,82			136,1
4000						85,69		90,94		88,31	86,76	90,26	89,91	87,96	84,18	82,79			141,9
						93,82		71,78		90,22	92,65	95,98	95,37	93,67	88,17	88,15			146,4
5000						84,67		84,09		89,97	83,88	86,69	87,79	85,43	81,05	79,31			140,4
6300						82,08		87,80		86,47	82,82	87,38	88,13	85,06	80,85	80,93			141,8
8000						85,49		93,40		87,51	86,29	90,84	92,84	90,91	83,73	83,97			146,1
MEASURED - ASPL						97,13		102,9		97,79	96,26	100,1	100,1	99,28	97,00	97,96			
CALCULATED - ASPL						96,67		97,38		97,39	95,86	99,65	99,89	98,73	95,82	96,69			
PWL						111,9		118,8		111,3	110,8	114,6	114,6	113,3	109,6	109,4			
																		OAPWL:	121,9

AMBIENT TEMP.	62,00
DEW-POINT TEMP.	34,00
BAR. PRESSURE	29,17
ABS. HUMIDITY	2,924

FAN/FAN ACOUSTIC PRESSURE - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN 218 RUN#174 SPEED#7300

RADIAL D[illegible]ANCE 150

[illegible]: [illegible]/9/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	10.0	2[illegible]	30.[illegible]	4[illegible]	5[illegible]	6[illegible]	72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
5[illegible]						-4.68		-2.64		-.567	-5.31	.4995	.6748	2.368	4.756	9.168		
[illegible]						-3.77		-1.85		-1.71	-5.73	.1231	1.445	2.956	4.938	8.818		
[illegible]						-4.93		-3.53		-1.06	-5.34	.4676	1.676	3.286	5.373	8.419		
[illegible]						-4[illegible]		-3.27		-.543	-5.15	.9071	1.545	3.534	5.281	8.016		
[illegible]						-1[illegible]		-5.47		1.988	-4.32	2.538	2.737	3.174	2.522	7.199		
125						-3.09		-[illegible].21		1.132	-3.75	1.829	2.978	3.93[illegible]	4.627	5.588		
1[illegible]						-1.82		-1.72		1.080	-3.08	2.183	3.364	3.891	5.042	3.585		
2[illegible]						-1.23		-2.07		-1.18	-5.06	.7676	2.607	3.347	5.991	6.612		
25[illegible]						-1.26		-3.43		-.413	-4.73	.8764	1.952	3.852	6.249	6.090		
31[illegible]						-.617		-3.45		1.335	-4.82	2.383	2.658	.630	4.668	5.657		
42[illegible]						.6467		-.346		1.455	-1.37	1.066	2.872	3.823	3.739	4.086		
50[illegible]						-2.74		.5242		1.874	-3.19	2.335	3.572	4.397	3.083	2.361		
63[illegible]						-.044		-2.06		2.187	-3.63	2.763	5.938	1.365	1.985	1.683		
82[illegible]						.4137		.5547		1.396	-2.24	2.850	2.810	4.675	2.323	1.3[illegible]3		
102[illegible]						1.157		1.068		1.582	-1.49	3.512	3.029	3.627	1.523	.3054		
125[illegible]						.6767		1.865		1.948	-.843	3.158	3.218	3.718	.1885	-.595		
160[illegible]						1.941		.9811		1.353	-.529	4.096	2.988	3.371	-.096	-1.73		
223[illegible]						1.895		.4732		2.426	-.526	3.375	3.581	2.934	.6756	-3.84		
250[illegible]						-2.86		.3446		4.147	-1.76	4.852	4.531	1.813	-.286	-2.32		
315[illegible]						-.969		4.364		1.734	.1828	3.669	3.335	1.385	-2.47	-3.79		
400[illegible]						2.927		-19.1		-.664	1.766	5.892	4.479	2.777	-2.72	-3.74		
500[illegible]						.3631		-.013		5.672	-.424	2.391	3.497	1.129	-3.25	-4.99		
630[illegible]						-1.89		3.837		2.586	-1.13	3.415	4.166	1.892	-3.11	-3.84		
800[illegible]						-2.31		5.597		-.296	-1.52	2.237	4.232	3.181	-4.88	-3.83		
1000[illegible]																		

A[illegible] TEMP. 42.[illegible]
WET-BULB TEMP. 34.[illegible]
[illegible] PRESSURE 29.17
A[illegible] HUMIDITY 2.904

FAA [illegible]/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

[illegible] RUN=174 SPEED=7320

PARTIAL DISTANCE 15[illegible]

DATE: 5/[illegible]/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(PWL)
50					74,78		76,54		79,[illegible]	76,46	79,85	79,03	81,04	83,51	87,15		132,0
63					76,43		77,14		79,5[illegible]	76,96	80,99	80,36	82,52	84,82	88,31		133,2
80					74,88		75,83		[illegible]	76,96	80,79	80,96	82,56	84,43	87,39		132,9
100					74,38		76,56		79,51	77,27	80,74	81,71	83,60	85,15	87,48		133,4
125					78,22		76,19		79,46	80,82	83,92	80,67	86,75	89,51	91,01		137,3
160					73,22		74,61		77,76	74,23	79,37	80,17	81,26	82,53	83,22		130,9
200					71,08		71,54		74,98	71,7[illegible]	76,77	77,79	78,73	79,74	78,83		128,2
250					72,97		70,58		73,09	68,94	74,72	75,37	76,38	77,41	7[illegible],97		126,3
315					74,81		72,34		75,23	71,16	76,17	77,28	79,40	82,14	80,49		129,2
400					78,56		76,17		78,99	74,62	80,66	81,74	83,42	84,59	84,05		132,9
500					77,38		78,32		80,39	76,32	82,06	83,15	84,32	85,00	84,42		133,9
630					74,79		77,82		78,79	75,19	79,88	82,29	83,29	83,14	81,75		132,5
800					77,11		75,78		79,75	74,82	80,82	84,53	81,55	80,97	79,15		132,5
1000					78,67		79,65		80,47	76,16	81,05	81,69	83,32	82,48	80,92		133,1
1250					79,64		81,62		83,07	78,11	82,81	82,63	83,54	81,14	80,17		134,2
1600					80,49		81,23		82,63	78,87	83,06	82,95	83,47	81,06	79,79		134,4
2000					81,12		80,31		81,17	78,71	83,05	82,04	81,98	79,35	77,76		135,8
2500					82,77		79,94		81,67	77,99	81,29	81,96	80,51	78,66	75,86		133,3
3150					78,90		82,15		85,57	79,65	85,06	85,67	81,93	80,8[illegible]	79,51		136,2
4000					83,60		88,29		89,29	85,61	89,16	89,38	87,49	84,35	83,07		141,6
5000					94,93		97,92		95,79	92,87	95,77	95,96	95,88	90,66	90,73		148,9
6300					85,79		84,83		88,34	83,36	86,48	88,26	85,38	82,29	79,91		140,1
8000					82,84		87,51		87,42	82,71	87,36	88,30	85,16	81,99	81,09		141,1
10000					88,06		94,43		88,93	88,00	92,22	91,74	91,63	84,87	84,12		147,2
E SURED OASPL					97,99		100,6		99,79	96,64	100,3	101,1	100,7	99,27	99,99		
CALCULATED OASPL					97,51		100,7		99,41	96,29	99,93	100,5	100,0	97,95	98,56		
PNDB					112,6		115,1		114,4	111,1	114,7	115,1	114,7	111,4	111,1		

OAPWL: 153,2

AMBIENT TEMP. 42,27
WET-BULB TEMP. 34,27
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,924

FAA FA /COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 RDS=175 SPEED=7500

RADIAL DISTANCE 150

[illegible] 2/.9/7 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]						-3,95		-2,19		,3231	-2,28	1,117	,2929	2,302	4,769	8,415		
63						-3,44		-2,73		-,318	-2,91	1,122	,4863	2,652	4,948	8,440		
[illegible]						-4,57		-3,62		-,309	-2,49	1,350	1,511	3,112	4,986	7,942		
[illegible]						-5,51		-3,33		-,384	-2,63	,8448	1,814	3,786	5,254	7,579		
125						-5,59		-7,61		-4,35	-2,99	,1128	4,861	2,946	5,702	7,202		
16[illegible]						-4,16		-2,77		,3823	-3,15	1,786	2,783	3,875	5,149	5,834		
2[illegible]						-3,44		-2,97		,4594	-2,81	2,259	3,280	4,211	5,224	4,389		
25[illegible]						-1,61		-2,02		,5111	-3,64	2,134	2,791	3,808	4,832	5,389		
315						-,634		-3,11		-,213	-4,29	,7239	1,834	3,959	6,695	5,041		
4[illegible]						-,522		-2,91		-,085	-4,46	1,576	2,656	4,341	5,505	4,976		
50[illegible]						-2,61		-1,69		,3947	-3,67	2,867	3,153	4,328	5,209	4,433		
63[illegible]						-3,68		-,636		,3413	-3,27	1,425	3,839	4,834	4,684	3,299		
8[illegible]						-1,29		-2,63		1,338	-3,61	2,395	6,119	3,143	2,565	,7373		
1[illegible]						-,245		,9327		1,555	-2,76	2,133	2,772	4,399	3,561	2,080		
125[illegible]						-,296		1,691		3,134	-1,82	2,879	2,695	3,609	1,208	,2381		
160[illegible]						,5219		1,259		2,659	-1,89	3,089	2,973	3,496	1,884	-,108		
200[illegible]						1,957		1,151		2,082	-,458	3,883	2,879	2,817	,1915	-1,41		
250[illegible]						2,254		1,427		3,155	-,517	2,779	3,448	1,995	,1489	-2,65		
315[illegible]						-2,38		,8752		4,292	-1,63	3,781	4,387	,6483	-,471	-1,76		
400[illegible]						-2,12		2,571		3,574	-,114	3,436	3,654	1,765	-1,37	-2,66		
5000						1,477		4,472		2,345	-,576	2,322	2,588	2,428	-2,79	-2,72		
6300						1,741		,7799		4,284	-,696	2,425	4,213	1,329	-1,76	-4,15		
8000						-1,26		3,403		3,316	-1,39	3,256	4,198	1,053	-2,11	-3,81		
10000						-,827		5,544		,0431	-,882	3,333	2,858	2,752	-4,02	-4,76		

[illegible] TEMP. 42,07
[illegible] TEMP. 34,02
[illegible] PRESSURE 29,17
[illegible] HUMIDITY 2,904

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

[illegible] RDC=175 SPEED=750[illegible]

E87

RADIAL DISTANCE 156

DATE: [illegible]/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						74.75		76.54		78.99	76.41	79.93	79.83	81.22	83.55	87.14		132.0
63						76.43		77.14		79.53	76.96	81.84	80.39	82.51	84.81	88.31		133.2
80						74.94		75.88		79.09	76.96	80.84	82.97	82.56	84.43	87.42		132.9
100						74.42		76.61		79.42	77.27	80.76	81.71	83.60	85.17	87.48		133.4
125						76.24		76.19		79.39	80.80	83.92	80.66	86.74	89.82	91.01		137.3
160						73.22		74.61		77.62	74.23	79.37	82.18	81.26	82.53	83.24		130.9
200						71.08		71.54		74.88	71.70	76.77	77.86	78.73	79.76	78.84		128.2
250						70.97		70.62		72.46	68.94	74.72	75.37	76.41	77.46	77.99		126.3
315						74.81		72.48		74.81	71.07	76.17	77.48	79.58	82.43	80.80		129.4
400						78.69		76.39		79.04	74.86	80.87	81.91	83.[illegible]	84.76	84.21		133.1
500						77.45		78.32		80.16	76.32	82.05	83.15	84.32	84.98	84.45		133.9
630						74.78		77.82		78.73	74.99	79.89	82.29	83.29	83.14	81.77		132.4
800						77.11		75.87		79.58	74.80	80.83	84.52	81.55	80.97	79.15		132.5
1000						78.65		79.96		80.35	76.16	81.35	81.67	83.32	82.49	80.92		133.1
1250						79.79		81.64		82.83	78.11	82.01	82.54	83.55	81.13	80.17		134.2
1600						80.49		81.22		82.49	78.87	83.06	82.85	83.47	81.06	79.79		134.4
2000						81.12		80.37		80.96	78.71	83.06	81.82	82.11	79.34	77.78		133.7
2500						82.73		79.94		81.52	77.99	81.29	81.75	80.91	78.57	75.86		133.2
3150						78.88		82.15		85.42	79.65	85.88	85.51	81.96	80.77	79.49		136.2
4000						83.58		88.29		89.15	85.61	89.17	89.29	87.49	84.34	83.87		140.9
5000						94.91		97.93		95.53	92.87	95.79	95.95	95.88	90.68	90.73		148.9
6300						85.69		84.83		88.27	83.33	86.48	88.87	85.38	82.27	79.91		140.1
8000						82.71		87.52		87.30	82.71	87.36	88.14	85.14	82.21	81.89		141.1
10000						87.88		94.44		88.74	83.00	92.24	91.67	91.63	84.91	84.14		147.2
MEASURED OASPL						97.95		100.6		99.67	96.64	100.3	101.8	100.7	99.27	99.99		
CALCULATED OASPL						97.48		100.7		99.22	96.29	99.95	100.4	100.0	97.97	98.57		
PNDB						112.6		115.1		114.2	111.1	114.7	115.1	114.7	111.5	111.1		

OAPWL: 153.1

FLIGHT TEMP.	42.02
WET-BULB TEMP.	34.22
[illegible] PRESSURE	29.17
[illegible] HUMIDITY	2.904

FAA FA /CU PRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

RU =15 RWG=174 SPEED=7700

RADIAL DISTANCE 150

DATE: 3/ 9/7

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0	12.0	24.0	30.0	42.0	54.0	60.0	72.0	84.0	90.0	100.0	110.0	120.0	132.0	140.0	150.0	160.0	170.0 (PWL)
5						-3,99		-2,19		,2613	-2,33	1,194	,2924	2,286	4,811	8,401		
63						-3,44		-2,73		-,339	-2,91	1,161	,5151	2,637	4,937	8,438		
8						-4,52		-3,58		-,359	-2,49	1,382	1,515	3,102	4,976	7,944		
10						-5,49		-3,29		-,482	-2,6[illegible]	,8578	1,813	3,785	5,270	7,986		
125						-5,54		-7,61		-4,41	-3,00	,1147	4,857	2,948	5,715	7,204		
160						-4,15		-2,76		,2469	-3,14	1,994	2,886	3,882	5,157	5,864		
200						-3,45		-2,98		,3552	-2,82	2,246	3,337	4,285	5,234	4,322		
250						-1,57		-1,92		-,876	-3,59	2,176	2,832	3,867	4,916	5,450		
315						-,781		-3,12		-,780	-4,52	,5768	1,885	3,992	6,842	5,289		
400						-,555		-2,85		-,202	-4,39	1,429	2,669	4,319	5,524	4,969		
500						-2,52		-1,65		,1837	-3,65	2,874	3,173	4,348	5,012	4,481		
630						-3,67		-,625		,2887	-3,45	1,451	3,858	4,845	4,695	3,383		
8						-1,28		-2,53		1,181	-3,59	1,438	5,124	3,158	2,579	,7522		
100						-,258		1,044		1,439	-2,75	2,141	2,753	4,487	3,582	2,889		
125						-,103		1,745		2,937	-1,78	2,922	2,651	3,664	1,236	,2887		
160						,5685		1,285		2,556	-1,86	3,128	2,915	3,585	1,123	-,140		
200						1,992		1,245		1,831	-,415	3,929	2,693	2,988	,2882	-1,35		
250						2,290		1,499		3,876	-,445	2,844	3,384	2,847	,1383	-2,58		
315						-2,33		,9488		4,202	-1,56	3,866	4,296	,7448	-,438	-1,72		
400						-2,11		2,612		3,469	-,673	3,498	3,615	1,815	-1,34	-2,61		
500						1,499		4,516		2,119	-,543	2,372	2,537	2,466	-2,73	-2,68		
630						1,787		,8462		4,283	-,659	2,492	4,889	1,396	-1,71	-4,08		
800						-1,34		3,472		3,258	-1,33	3,315	4,896	1,098	-2,03	-2,95		
1000						-,975		5,586		-,115	-,857	3,382	2,814	2,777	-3,95	-4,72		

AMBIENT TEMP. 42.0[illegible]
WET-BULB TEMP. 34.0[illegible]
BAR. PRESSURE 2[illegible].17
ABS. HUMIDITY 2.004

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RL =12 RUN=17[illegible] SPEED=7700

RADIAL DISTANCE 150

DATE: 2/25/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
[illegible]						74,44		77,42		78,78	74,58	80,18	80,84	82,95	85,54	89,96			133,7
[illegible]						76,38		78,84		79,35	75,76	81,65	82,44	84,41	87,24	91,61			135,3
[illegible]						75,66		78,36		79,59	75,84	81,93	82,78	84,88	87,15	90,84			139,2
[illegible]						75,37		78,84		80,52	76,94	82,61	83,79	85,99	87,76	90,79			135,8
125						82,87		84,89		82,25	81,03	90,17	88,21	89,69	88,15	90,05			138,9
[illegible]						75,27		76,97		79,83	75,14	82,84	82,74	84,30	85,48	86,25			133,6
[illegible]						73,28		73,08		75,76	72,64	78,04	79,61	80,85	82,86	81,07			130,2
[illegible]						75,84		79,19		73,39	72,76	76,84	76,79	78,61	82,84	82,65			130,8
[illegible]						76,88		75,39		77,23	73,77	79,36	80,89	82,58	84,71	83,49			131,9
[illegible]						79,79		79,65		81,97	79,19	83,94	85,66	85,82	86,88	86,78			135,8
[illegible]						81,97		84,90		85,84	81,99	85,23	86,82	87,73	88,63	88,95			138,8
[illegible]						78,55		81,25		81,82	76,96	82,34	84,01	85,22	85,29	84,69			134,8
[illegible]						82,53		78,79		78,76	75,38	83,71	82,46	83,12	83,21	81,85			133,5
[illegible]						81,78		83,27		83,17	80,82	84,57	84,29	85,54	84,56	84,18			139,9
125						88,02		91,57		88,85	81,41	85,83	84,85	85,54	83,67	82,86			139,4
1000						86,61		89,21		87,57	82,21	87,33	85,48	86,19	84,42	82,89			139,8
2000						85,65		88,54		84,93	80,60	85,41	83,14	83,45	88,79	79,91			137,4
2500						82,54		82,66		81,93	78,46	82,62	82,72	81,52	77,98	77,22			134,5
3150						80,42		85,16		86,77	78,96	85,18	85,86	82,46	79,79	80,76			137,1
4000						83,02		87,97		89,17	84,92	88,82	87,89	86,81	82,55	82,98			140,3
5000						96,73		97,72		96,42	95,19	98,48	98,74	97,60	98,83	92,49			150,5
6300						87,21		86,53		86,89	83,72	87,21	88,44	86,94	81,42	81,18			140,6
8000						83,44		88,99		87,88	83,17	86,99	90,51	85,99	82,83	82,86			142,1
10000						88,36		96,16		90,55	87,96	90,92	91,29	89,69	83,75	84,19			147,5
MEASURED OASPL						102,2		102,4		100,9	98,07	102,4	102,5	102,3	100,4	102,8			
CALCULATED OASPL						99,62		102,3		100,5	97,82	101,7	102,0	101,5	99,25	100,8			
PNDB						114,7		116,5		115,5	112,9	116,8	117,1	116,3	112,1	118,8			

OAPWL: 156,5

AMBIENT TEMP. 42,00
WET-BULB TEMP. 34,00
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,904

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/72

[illegible] RUG=177 SPEED=7900

E90

RADIAL DISTANCE 150

DATE: 2/26/7 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]						-5,98		-3,01		-1,72	-5,84	-,249	,4120	2,521	5,119	9,532		
[illegible]						-5,59		-3,13		-2,63	-6,22	-,332	,4584	2,428	5,262	9,635		
[illegible]						-6,11		-3,41		-2,17	-5,93	,1684	1,817	3,117	5,382	9,878		
[illegible]						-7,21		-3,44		-1,76	-5,34	,3329	1,585	3,789	5,478	8,505		
125						-2,51		-,484		-3,13	-4,35	4,790	2,841	4,316	2,775	4,675		
160						-4,73		-3,03		-,973	-4,86	2,840	2,748	4,301	5,401	6,253		
200						-3,25		-3,45		-,765	-3,89	1,510	3,884	4,320	6,330	4,546		
25						-,462		2,899		-2,91	-3,54	,5402	,4957	2,386	5,743	6,355		
315						-1,33		-2,82		-,972	-4,44	1,144	1,875	4,298	6,499	5,277		
400						-2,17		-2,31		,8172	-2,76	1,980	3,787	3,867	4,848	4,744		
500						-2,14		,7991		1,736	-2,11	1,120	1,918	3,625	4,527	4,852		
63						-2,20		,4941		,2669	-3,79	1,586	3,257	4,459	4,538	3,929		
[illegible]						1,184		-,622		-,658	-4,04	4,260	3,836	3,751	3,792	1,625		
[illegible]						-,828		1,496		1,399	-1,76	2,798	2,524	3,767	2,787	2,446		
1250						2,981		6,457		2,939	-3,78	-,882	-,261	,4225	-1,45	-2,25		
160						2,816		4,616		2,973	-2,39	2,736	,8814	1,603	-,181	-1,73		
2000						2,832		5,719		2,187	-2,22	2,580	,3281	,6347	-2,82	-2,91		
2500						2,745		2,862		3,131	-1,34	2,820	2,987	1,722	-1,81	-2,57		
3150						-1,67		3,870		4,678	-3,13	3,828	3,775	,3754	-2,30	-1,32		
4000						-1,97		2,986		4,187	-,861	3,833	2,989	1,821	-2,43	-2,81		
5000						1,721		2,775		1,414	,1774	3,472	3,731	2,667	-4,13	-2,52		
6300						2,745		2,865		2,436	-,739	2,748	3,9[illegible]	2,673	-3,84	-3,28		
8000						-1,62		3,929		2,824	-1,88	1,931	5,455	,5277	-3,03	-2,49		
10000						-,848		6,949		1,341	-1,25	1,715	2,891	,4774	-5,45	-5,82		

AMBIENT TEMP. 42,07
WET-BULB TEMP. 34,07
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,904

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RU =15 RDG=177 SPEED=7900

E91

RADIAL DISTANCE 150

DATE: 3/9/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	0.0	17.2	24.0	31.2	42.0	54.7	60.0	70.0	80.2	90.0	100.0	110.2	120.0	130.2	140.0	150.2	160.0	170.0	(PWL)
FREQ																			
50						76,16		78,16		80,36	79,25	81,89	81,84	83,69	84,49	88,41			134,8
63						76,64		79,13		81,29	79,87	81,94	82,89	84,58	87,31	91,47			138,5
80						76,56		79,22		80,39	79,92	82,41	83,69	88,23	87,39	88,71			139,2
100						76,15		79,71		81,83	76,89	83,34	84,36	86,82	88,71	91,44			136,9
125						77,37		82,85		85,38	82,88	91,87	92,38	91,84	98,81	98,88			144,4
160						75,28		78,19		80,59	77,26	83,48	86,32	86,48	86,41	84,97			139,6
200						73,75		74,17		76,87	73,19	78,73	88,31	81,27	83,84	81,99			136,8
25						73,29		76,59		74,33	78,75	79,46	79,98	78,18	79,48	81,88			139,5
315						76,79		78,33		76,92	73,87	79,83	81,16	83,33	85,89	86,82			138,4
400						81,11		78,68		81,69	77,89	84,79	86,19	87,81	88,28	88,88			138,8
500						79,89		81,57		87,85	81,14	86,98	87,89	88,33	88,94	88,89			138,9
630						77,79		80,89		82,99	77,99	84,18	84,49	86,84	86,16	85,88			138,7
80						83,89		86,27		85,98	84,57	86,79	88,93	89,83	93,29	88,81			134,9
100						82,89		84,26		84,48	78,38	85,14	85,19	86,98	88,98	85,84			136,8
1250						90,17		93,89		90,81	88,82	89,93	84,94	86,49	84,74	88,83			141,8
160						89,69		88,47		89,44	82,97	86,35	85,87	86,89	84,19	83,85			139,1
2000						85,52		88,14		86,88	81,84	88,76	86,16	84,46	88,16	81,46			136,8
2500						82,11		83,99		84,37	78,96	83,33	83,34	82,64	79,83	78,85			139,4
3150						81,89		86,77		88,18	79,83	88,82	86,48	82,84	81,34	81,48			13 ,1
4000						82,78		88,19		89,59	84,16	87,89	88,34	86,68	83,37	83,26			140,4
5000						93,96		98,34		94,25	91,87	98,97	97,44	94,39	88,92	89,34			140,8
6300						87,94		87,98		87,49	83,37	87,90	88,88	87,18	82,83	81,83			141,2
8000						84,33		91,88		89,89	85,43	89,38	88,46	85,81	82,74	82,94			143,4
10000						88,36		94,29		92,86	86,89	88,87	88,38	88,34	84,89	84,44			149,4
MEASURED OASPL						108,2		103,0		101,6	97,84	103,1	108,9	102,1	101,2	100,5			
CALCULATED OASPL						99,46		108,6		101,8	96,41	102,3	108,3	101,1	99,76	100,8			
PWOB						114,3		117,1		115,8	111,2	117,2	116,9	114,9	111,7	111,9			
																		OAPWL	154,6

AMBIENT TEMP.	42,67
WET-BULB TEMP.	34,00
BAR. PRESS OF	29,17
ABS. HUMIDITY	2,004

FAN TWO/COMPRESSOR = PHASE 5B + 5C 10VS 9 VEW CLOSED T/O 2/23/77

RUN13 PO13A/3 SPEED=8160

E92

RADIAL DISTANCE 150

5/19/72

PAGE: 2

SOUND PRESSURE LEVELS, DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	5.0	17.2	29.	37.	41.	57.0	69.0	77.0	89.	97.0	109.0	117.0	129.0	137.2	149.	157.0	169.0	179.0	(PWL)
50						-5,89	-3,83	-,788	-5,94	-,135	,3936	2,969	5,369	9,228					
63						-5,51	-3,83	-,866	-6,28	-,219	,7307	2,429	5,158	9,319					
8						-5,48	-2,82	-1,69	-6,12	,3648	1,654	3,187	5,386	8,667					
12						-6,85	-3,32	-1,98	-6,16	,3312	1,347	3,818	5,697	8,431					
125						-9,94	-4,45	-1,99	-4,33	4,565	5,877	4,530	2,723	3,497					
160						-6,74	-3,86	-1,65	-4,78	3,377	4,275	4,485	4,347	4,984					
200						-3,49	-2,99	-,297	-3,97	1,968	3,148	4,185	6,875	4,832					
25						-2,45	,0923	-1,41	-4,99	3,716	1,749	2,370	3,654	9,285					
315						-2,22	-3,49	-1,89	-5,55	1,214	2,339	4,511	6,778	9,287					
400						-1,81	-4,26	-1,22	-5,82	1,854	3,277	4,981	5,365	9,173					
500						-4,56	-2,99	2,489	-3,42	2,438	3,829	3,969	4,382	4,332					
630						-3,86	-,771	1,342	-3,66	2,445	2,837	4,377	4,506	4,824					
800						1,161	5,472	3,187	-2,22	1,996	,1361	,2319	,4841	,8141					
122						-,549	1,615	1,884	-4,27	2,496	2,544	3,984	3,386	2,892					
125						3,431	6,912	4,869	-5,92	-,888	-2,19	-,249	-1,98	-3,11					
160						,9995	3,776	4,748	-1,73	1,651	1,171	1,488	-,387	-,843					
2200						2,188	4,733	3,413	-1,97	2,329	,7876	1,281	-1,29	-1,95					
2500						1,443	3,321	3,699	-1,78	2,661	2,677	1,977	-1,43	-2,62					
3150						-2,08	3,593	5,884	-3,35	2,648	3,473	-,244	-1,84	-1,73					
4000						-2,32	3,946	4,481	,798	2,759	3,233	1,478	-1,73	-1,89					
5000						1,989	4,361	,8712	-2,18	4,589	3,489	,4124	-5,85	-4,42					
6300						2,845	2,886	2,388	-1,73	2,689	3,787	2,821	-2,27	-3,87					
8000						-2,19	4,561	3,469	-1,89	2,798	4,348	-1,81	-3,78	-3,56					
10000						-,729	5,199	3,771	-2,39	1,778	3,259	1,258	-4,54	-4,65					

AMBIENT TEMP, +2,00
STEAM JET TEMP, 34,82
AMB. PRESSURE 29,17
M-S, DENSITY 2,924

FAA EA-/00 PRESSOR - PHASE 58 - NO IGVS 9 JEV CLOSED T/O 2/23/72

SWEEP SWP8178 SPECTRUM

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 47.5	55.2	62.9	70.6	78.3	86.0	93.8	101.5	109.2	116.9	124.7	132.4	140.1	147.8	155.5	163.2	170.8	OAPWL
50			74,28	74,38	78,82	75,17	81,32	84,88	84,58	87,63	91,87							138,3
63			75,47	77,29	79,33	75,94	81,92	82,99	85,33	88,92	92,84							136,2
80			75,66	77,65	82,38	76,26	82,87	84,35	86,47	89,14	92,82							136,2
100			75,28	78,39	80,91	77,82	83,88	84,35	86,59	88,57	91,48							136,3
125			76,93	82,46	84,19	79,73	88,78	92,22	89,77	89,33	78,86							139,5
160			76,86	79,46	81,78	77,29	87,56	89,85	86,89	86,74	87,87							136,9
200			72,71	73,85	75,27	72,33	77,83	79,84	80,92	82,12	88,41							129,8
250			75,65	72,64	74,78	78,69	79,72	77,87	79,59	81,82	81,34							129,7
315			78,79	75,67	79,14	75,88	82,32	82,99	85,93	87,84	84,19							134,7
400			81,49	79,33	82,43	79,63	86,58	87,89	88,38	89,38	89,87							138,3
500			80,77	82,27	83,84	79,98	86,18	87,67	89,73	89,91	89,19							138,4
630			82,68	80,97	82,80	78,01	83,48	84,41	86,86	86,22	85,38							135,9
800			82,44	82,80	80,39	77,38	84,81	85,19	83,99	90,13	83,84							132,2
1000			82,52	83,59	86,86	81,14	85,73	85,99	87,97	87,19	85,67							137,9
1250			85,82	88,75	87,47	81,37	87,79	89,44	86,97	89,98	83,93							139,8
1600			84,25	86,28	86,92	83,43	86,83	86,93	87,57	85,23	84,35							138,9
2000			87,60	88,77	84,97	83,71	86,74	85,69	84,18	84,89	81,89							138,8
2500			83,97	86,43	83,95	79,73	84,18	83,92	83,84	80,88	78,31							136,4
3150			80,99	80,18	80,47	80,29	80,45	86,31	83,92	81,98	81,79							138,7
4000			82,39	80,26	89,98	84,66	80,27	80,28	87,14	83,61	83,32							140,7
5000			93,12	99,47	90,19	90,22	100,4	93,09	94,75	87,98	87,22							150,2
6300			87,78	89,78	89,64	84,26	90,83	88,41	88,91	83,26	81,22							140,6
8000			94,34	91,93	80,77	87,39	90,33	91,80	86,36	83,13	83,50							144,2
10000			87,03	93,79	93,88	88,86	93,38	92,78	93,91	89,23	84,71							148,4
MEASURED OASPL			99,15	102,9	102,2	96,73	104,1	102,2	102,5	102,1	102,9							
CALCULATED OASPL			98,45	102,9	102,1	94,46	103,7	101,7	101,8	100,7	101,4							
PWSB			112,9	117,8	116,9	118,7	118,8	119,8	119,6	118,8	111,4							

OAPWL: 155,2

Inlet Temp, 44,27
Ambient Temp, 35,22
Amb. Press BE 29,17
Amb. Humidity 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C INVS 9 JEG CLOSED T/O 2/23/72

Rotor RPM 8,3e179 SPEED=83,2

RADIAL DISTANCE 150

[illegible] 8/14/77 PAGE) 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	ANGLES FROM INLET											
[illegible]	[illegible]	[illegible]	[illegible]	62,2	70,2	80,2	92,2	100,2	110,2	120,2	130,2	140,2	150,2	160,2	170,2	(PWL)
50				-7,42	-5,69	-3,18	-6,83	-,681	,4784	2,582	5,837	9,868				
63				-7,42	-5,59	-3,54	-6,93	-,956	,1849	2,461	5,644	9,966				
80				-7,65	-5,66	-2,93	-7,25	-,437	1,039	3,164	5,835	9,387				
[illegible]				-7,79	-4,48	-1,96	-5,86	,2834	1,474	3,674	5,701	8,684				
125				-7,53	-3,99	-2,29	-6,72	4,259	5,765	3,318	2,883	4,431				
142				-6,54	-3,94	-1,78	-6,18	4,156	5,688	3,488	3,339	3,407				
[illegible]				-7,45	-3,12	-,592	-3,83	1,665	3,379	4,383	5,997	4,847				
252				-4,328	-3,12	-1,18	-5,26	3,757	1,912	3,042	5,256	5,375				
315				-2,13	-5,06	-1,79	-5,41	1,439	2,066	4,402	6,911	5,258				
400				-4,89	-5,07	-1,96	-4,77	4,111	3,980	3,938	4,911	4,679				
500				-3,79	-2,29	-,719	-4,66	1,986	3,111	5,171	5,343	4,689				
630				,7979	-,912	,9261	-3,87	1,688	2,976	4,688	4,346	3,985				
[illegible]				5,069	-1,29	-2,97	-5,99	1,443	1,827	,6254	6,756	,1938				
[illegible]				-1,18	-,108	3,158	-2,56	2,826	2,296	4,266	3,499	1,971				
1257				,9139	5,838	2,958	-3,54	,8708	,3211	2,859	1,839	-,988				
1600				-,259	3,765	2,406	-1,39	2,387	2,918	3,847	,7804	-,161				
[illegible]				3,359	4,523	,7825	-,533	2,491	1,492	1,919	-,156	-2,35				
2582				2,318	4,763	2,282	-1,93	2,438	2,261	1,379	-,859	-3,36				
315[illegible]				-2,74	4,374	4,736	-3,44	2,723	2,785	,1866	-1,75	-2,94				
4022				-3,06	2,891	4,537	-,482	2,984	2,915	1,778	-1,76	-2,84				
5022				-1,56	4,811	3,938	-4,44	5,989	-1,46	,8959	-6,68	-7,44				
6322				1,324	3,326	3,186	-2,19	4,374	1,952	2,855	-3,19	-8,23				
8022				-2,87	4,785	1,624	,2529	3,185	4,789	-,785	-4,82	-3,64				
10082				-3,22	3,744	3,831	-1,99	3,336	2,739	3,462	-4,82	-8,34				

[illegible] 44,62
[illegible] 35,72
[illegible] PRESS DE 29,17
[illegible] DIRECTIVITY 2,321

[illegible] PRESSOR = PHASE 58 + 50 [illegible] DEG CLOSEST T/D 2/23/72

[illegible] Rpde:79 SPEED=87[illegible]

E93

RADIAL DISTANCE 150

DATE: 2/25/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
5						73,85		77,54		76,81	81,97	82,24	84,79	88,87	92,96				138,9
[illegible]						76,72		78,13		76,48	82,94	83,65	85,74	89,67	93,78				136,8
8						76,72		78,25		77,37	83,78	84,87	86,67	89,32	92,80				136,8
1						76,38		79,25		78,17	84,30	85,19	87,51	89,93	92,77				137,3
12?						80,24		82,89		81,39	87,95	88,89	89,65	90,77	91,97				139,1
16						81,67		84,57		82,81	89,78	92,27	90,69	91,33	89,46				140,2
2						74,22		74,14		73,34	79,81	79,88	81,28	83,43	81,61				130,4
25						74,44		74,40		72,27	77,05	78,25	80,13	81,41	83,63				129,6
3[illegible]						79,24		77,96		77,64	82,38	84,18	86,26	88,29	87,61				138,3
4[illegible]						81,03		80,12		79,75	86,43	88,81	90,33	90,31	90,88				138,8
5[illegible]						81,74		83,51		88,95	87,24	88,55	90,65	90,77	89,97				139,1
63						82,57		82,69		80,49	85,66	85,89	87,34	87,60	86,44				136,7
8[illegible]						85,79		85,89		79,89	85,95	86,11	84,77	85,26	84,92				136,7
10[illegible]						83,24		85,21		81,58	86,88	86,73	88,82	87,37	86,27				137,8
125						87,11		87,94		84,21	88,89	87,79	87,37	87,47	85,36				138,6
160						88,74		89,89		83,45	87,44	87,36	88,41	85,54	85,11				139,5
2000						87,74		88,28		83,49	87,80	86,18	86,78	83,83	82,75				138,8
250?						85,57		85,59		88,25	84,79	85,17	84,86	81,48	79,44				136,4
315?						82,67		86,32		88,18	86,71	87,67	84,34	82,46	82,26				137,4
4000						84,55		89,15		85,82	88,99	89,24	87,88	84,41	84,28				140,3
5000						95,44		95,29		93,22	100,1	94,39	93,84	87,50	86,88				140,5
6300						92,94		89,56		86,89	93,33	90,82	90,19	83,82	83,80				140,6
8000						85,28		90,89		85,18	89,15	89,54	86,47	82,99	83,48				140,1
10000						86,52		92,92		86,74	91,76	91,99	88,84	83,89	83,75				145,9
[illegible]						102,4		101,4		97,69	104,1	102,8	102,9	100,6	103,7				
[illegible]						99,94		101,3		97,54	103,6	102,2	102,1	101,3	102,4				
[illegible]						114,8		115,6		112,5	118,7	115,9	115,6	113,1	111,8				

OAPWL: 154,3

[illegible] TEMP.	44,00
[illegible] TEMP.	35,00
REF. PRESSURE	29,17
[illegible]	2,821

[illegible] RESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

[illegible] SPEED=8502

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RADIAL DISTANCE 150

DATE: 2/26/7[illegible]

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 0,0	12,[illegible]	2[illegible]	30,0	4[illegible],0	5[illegible],0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5[illegible]							-6,71	-5,02		-6,55	-,589	-,319	2,235	5,513	10,40				
63							-6,75	-5,34		-6,99	-,934	,1784	2,269	5,594	10,31				
8[illegible]							-6,71	-5,18		-6,06	,3499	1,436	3,243	5,886	9,375				
1[illegible]							-7,43	-4,56		-5,64	,5843	1,375	3,782	6,114	8,956				
125							-5,37	-2,72		-4,22	2,339	4,480	4,846	5,159	6,362				
167							-4,89	-1,99		-3,76	3,2[illegible]7	5,711	4,188	4,793	2,916				
20[illegible]							-2,94	-2,62		-3,42	2,849	5,122	4,922	6,671	4,847				
25							-1,42	-1,46		-3,39	1,193	2,394	4,267	5,953	7,169				
315							-2,29	-3,57		-3,86	,8256	2,655	4,731	6,762	6,881				
4[illegible]							-3,38	-4,82		-5,19	3,490	3,888	5,297	5,379	5,347				
50[illegible]							-3,41	-1,64		-4,28	2,884	3,307	5,499	5,615	4,816				
63[illegible]							-,129	-,802		-2,28	2,984	3,198	4,644	4,987	3,747				
80[illegible]							3,237	3,329		-3,46	3,393	3,554	2,214	2,781	1,863				
1[illegible]0							-,383	1,979		-2,11	3,175	3,898	5,197	3,746	2,638				
125[illegible]							2,837	3,667		-3,88	2,625	3,518	3,894	3,194	1,886				
159[illegible]							3,703	4,851		-1,59	2,397	2,321	3,371	,9886	,8648				
200[illegible]							3,498	5,848		-,757	3,686	1,941	2,918	-,416	-1,49				
2500							3,925	3,950		-1,39	3,149	3,523	3,214	-,102	-2,21				
315[illegible]							,2896	3,867		-2,26	4,276	5,234	1,981	-,376	-,175				
4[illegible]0							-,488	4,193		,8401	4,831	4,288	2,920	-,932	-,683				
5[illegible]0							2,459	2,339		,2841	7,161	1,433	,8011	-3,49	-2,88				
63[illegible]							3,426	2,846		-,623	3,812	3,388	2,685	-3,69	-4,51				
8[illegible]0							,1739	4,980		,8747	4,843	4,431	1,387	-2,12	-1,31				
10[illegible]0							-,972	5,328		-,851	4,176	4,489	2,654	-3,89	-3,83				

AMBIENT TEMP, 44,80
WET-BULB TEMP, 35,80
BAR, PRESSURE 29,17
ABS, HUMIDITY 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 0 DEG CLOSED T/D 2/23/70

R[illegible]=15 R[illegible]=18[illegible] SPEED=8[illegible]6V

RADIAL DISTANCE 150

DATE: 3/25/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 42,2	50,7	62,8	70,8	80,8	90,0	100,0	110,8	120,0	130,0	140,0	150,2	160,0	170,8	(PWL)
50		64,56	65,32			71,03	62,88	68,58	68,38	70,04	70,61	72,66			128,3
63		65,17	64,49			69,22	64,37	67,14	68,56	67,59	70,02	7[illegible],01			119,3
80		63,35	62,79			68,42	62,83	68,12	69,69	70,46	71,46	71,83			119,9
100		63,70	64,23			68,40	61,23	67,27	67,86	68,78	69,38	70,78			118,9
125		66,81	64,23			67,88	62,83	67,21	67,93	68,98	68,52	69,74			118,7
160		65,36	64,41			68,76	63,44	68,57	70,79	71,55	71,11	70,63			120,6
200		62,40	60,66			63,68	60,94	63,98	65,79	66,30	67,15	64,94			116,1
250		61,24	61,85			61,53	58,44	60,98	62,23	63,41	63,63	63,66			115,7
315		68,01	64,49			65,00	61,50	64,82	65,36	66,70	68,15	66,68			117,7
400		69,98	65,39			67,64	63,11	66,86	69,91	70,51	70,37	70,49			120,8
500		69,22	68,77			70,01	65,13	69,87	71,13	71,92	71,61	70,93			122,4
630		66,49	68,82			69,12	63,69	68,55	69,94	70,89	69,58	69,93			120,9
800		72,46	67,40			67,93	63,18	69,09	69,82	70,17	69,40	68,39			121,3
1000		75,72	73,76			74,05	68,62	75,07	75,24	77,08	74,95	72,53			126,9
1250		76,22	73,61			78,53	68,15	74,18	74,21	75,12	73,15	72,18			126,1
1600		76,88	75,65			76,29	72,84	77,91	77,32	78,53	75,54	73,80			129,2
2000		78,92	74,64			74,55	71,65	77,75	76,27	78,22	75,62	72,31			128,8
2500		77,75	73,01			74,43	69,96	75,79	76,25	76,48	72,85	70,68			127,7
3150		81,27	83,85			83,67	75,32	85,39	85,78	82,16	79,91	80,85			134,8
4000		75,87	78,62			79,79	75,08	80,28	81,52	80,24	77,75	75,83			132,4
5000		79,58	78,33			76,75	76,39	82,18	79,39	81,91	76,82	74,57			130,8
6300		83,49	80,54			81,13	79,49	80,76	82,38	82,74	77,65	77,88			130,4
8000		77,79	80,54			76,28	73,89	80,28	79,57	82,77	76,12	76,23			134,2
10000		80,49	83,45			78,45	76,77	82,89	81,71	82,23	78,35	79,53			137,1
MEASURED OASPL		90,37	89,68			89,83	85,21	91,48	91,55	91,70	88,48	87,77			
CALCULATED OASPL		92,80	89,85			89,27	85,38	91,12	91,19	91,31	87,82	87,19			
PNDB		123,7	103,9			104,2	99,88	105,9	106,1	104,9	102,2	101,7			
														OAPWL:	148,7

AMBIENT TEMP, 44,03
WET-BULB TEMP, 35,03
BAR, PRESSURE 29,17
ABS, HUMIDITY 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=181 SPEED=5000

RADIAL DISTANCE 150

DATE: 3/05/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-2.45		-1.69		4.017	-4.13	1.565	1.346	3.032	3.596	5.651			
63						-.756		-1.43		3.289	-1.56	1.212	2.634	1.669	4.089	5.083			
80						-3.01		-3.76		1.873	-4.52	1.549	3.145	3.905	4.911	5.281			
100						-1.73		-1.27		2.986	-4.28	1.766	2.358	3.275	3.877	5.272			
125						.7947		-.989		1.865	-3.19	1.985	2.709	3.683	3.302	4.517			
160						-1.65		-2.61		1.745	-3.58	1.556	3.779	4.536	4.094	3.619			
200						-.289		-1.75		1.270	-1.47	1.569	3.380	3.898	4.741	2.529			
250						1.272		1.085		1.562	-1.53	1.009	2.257	3.441	3.659	3.692			
315						4.089		.5759		1.088	-2.42	.9008	1.448	2.786	4.236	2.759			
400						3.077		-1.51		.7338	-3.79	1.959	3.009	3.611	3.467	3.596			
500						1.048		.6025		1.842	-3.04	1.700	2.964	3.749	3.436	2.763			
630						-.386		1.148		2.249	-3.18	1.677	3.068	4.016	2.707	3.055			
800						5.039		.1826		.7074	-4.04	1.875	2.602	2.947	2.182	1.163			
1000						3.016		1.073		1.359	-4.07	2.380	2.558	4.395	2.259	-.159			
1250						4.432		1.819		.7436	-3.64	2.312	2.420	3.[illegible]31	1.361	.3028			
1600						3.362		.9344		1.572	-2.67	3.191	2.604	3.808	[illegible]	-.913			
2000						4.303		.4172		.3296	-2.57	3.524	2.645	3.999	[illegible]	[illegible]			
2500						4.763		.0236		1.442	-3.02	2.809	3.268	3.416	[illegible]	-2.31			
3150						.2106		1.984		2.606	-5.75	4.323	4.714	1.099	-1.15	-1.01			
4000						-1.26		1.486		2.666	-2.06	3.149	4.381	3.102	.0611	-1.31			
5000						2.209		1.031		-.548	-.907	4.807	2.099	4.614	-1.28	-2.73			
6300						4.182		1.225		1.819	.1819	1.464	3.066	3.427	-1.67	-1.43			
8000						.8751		3.430		-.836	-4.02	3.089	2.453	5.659	-.995	-.886			
10000						1.681		4.629		-.369	-2.04	3.278	2.892	3.412	-2.46	-3.28			

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=181 SPEED=5000

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	ANGLES FROM INLET															
	1	2	3	37.5	42.7	57.2	67.3	70.4	92.7	93.2	100.0	110.0	120.0	130.0	140.0	150.2	160.2	170.0	(PWL)
FR-																			
5						69,72		68,92		70,59	64,89	71,19	70,86	71,99	72,63	75,89			122,4
4						66,77		66,84		69,93	65,69	68,89	70,57	70,50	72,85	74,69			121,5
3						64,68		65,35		68,69	63,71	69,21	70,18	71,81	72,52	74,75			121,3
1						68,27		67,69		69,87	66,94	71,72	72,27	74,64	73,75	75,35			123,2
125						66,86		65,87		68,55	63,68	69,18	70,82	71,89	71,72	73,68			122,9
1A						64,68		64,78		67,99	63,71	69,26	70,27	70,49	70,93	70,46			120,3
2						65,47		63,82		65,29	63,05	67,19	69,54	69,31	70,06	69,59			119,2
2E						62,48		60,48		61,85	57,89	62,29	62,85	63,85	64,81	65,23			114,3
3+5						69,13		65,19		66,23	63,05	66,99	68,26	69,31	70,46	69,54			119,7
4						73,91		68,87		71,87	66,27	71,36	73,87	73,91	73,83	73,54			124,8
5						71,32		71,23		71,99	67,93	72,64	74,24	75,02	74,91	74,49			124,9
43						68,24		69,93		70,47	66,14	71,39	72,89	73,21	72,85	72,53			123,3
6						73,60		69,39		69,89	65,76	70,92	71,98	71,79	71,01	70,54			123,1
1						76,67		75,23		75,29	70,67	76,62	77,24	78,75	76,57	74,17			128,4
125						78,82		75,98		75,19	70,77	76,64	77,19	77,33	75,13	74,48			128,5
1A						79,88		77,81		78,34	74,89	80,26	79,79	80,38	77,54	75,45			131,3
2???						80,42		76,76		77,86	74,27	80,21	79,89	80,14	77,84	74,34			131,8
25/2						78,73		75,02		76,66	72,47	77,76	78,82	78,68	74,51	72,62			129,7
31??						83,15		84,08		86,27	79,72	90,39	89,15	85,74	82,11	81,17			139,3
40??						81,83		83,19		84,79	79,41	87,79	87,96	85,87	81,48	80,36			138,8
5??						81,79		81,39		79,24	81,28	83,33	83,41	84,17	77,23	77,33			135,9
63??						83,98		82,72		89,43	78,13	83,77	88,87	83,94	77,94	79,26			139,2
82??						81,56		83,75		86,99	77,15	83,63	87,94	84,28	79,36	80,48			139,4
100??						82,06		81,69		83,22	78,26	81,81	85,86	84,50	78,63	78,86			139,3
SU						92,16		91,90		94,83	88,27	95,87	95,64	93,89	90,59	90,33			
CAL						91,79		92,26		94,39	88,82	94,91	95,71	93,75	90,83	89,75			
P						105,6		105,7		108,1	102,8	109,9	109,9	107,8	104,4	103,7			
																		JAPHL:	147,1

SIG T TE P	44,6
ATMOSPHERE TEMP	35,0
AT. PRESS IN	29,17
P. [illegible]	2,821

FAN DATA CO PRESS = - PHASE 5B + 2° IGVS 9 DEG CLOSED T/C 2/23/72

RUN 212 POINT 102 SPEED=5500

RADIAL DISTANCE 152

DATE: [illegible]/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.	10.	20.	30.	40.	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						,0336		-,1[illegible]4		1,513	-4,19	2,105	1,773	2,899	3,545	6,212		
63						-1,47		-1,33		1,761	-2,48	,7176	2,404	2,334	4,684	6,518		
80						-3,22		-2,55		,7846	-4,19	1,308	2,276	3,911	4,614	6,844		
100						-1,57		-2,68		,0955	-2,83	1,946	2,500	4,866	3,980	5,572		
125						-,556		-1,55		1,131	-3,82	1,682	2,604	3,668	4,298	5,665		
160						-2,31		-1,90		1,301	-2,98	2,572	3,[illegible]	3,813	4,242	3,776		
200						-,272		-1,72		-,247	-2,49	1,647	4,085	3,769	4,524	4,055		
250						1,859		-,169		,4595	-2,69	1,70[illegible]	2,256	3,258	4,224	4,637		
315						3,212		-,716		,3253	-2,86	1,082	2,358	3,407	4,556	3,638		
400						3,763		-1,28		,9225	-3,88	1,212	2,926	3,359	3,677	3,395		
500						,3239		,2134		,9848	-3,09	1,627	3,224	4,012	3,902	3,477		
630						-1,06		,[illegible]45		1,168	-3,16	2,089	3,584	3,989	3,348	3,223		
800						4,791		,3858		,8764	-3,24	1,909	2,892	2,789	1,996	1,529		
1000						2,557		,9545		1,048	-3,57	2,371	2,994	4,507	2,321	-,078		
1250						3,863		1,521		1,041	-3,39	2,487	3,042	3,179	,9705	,2663		
1600						3,264		1,002		1,532	-2,72	3,451	2,986	3,569	,7309	-1,36		
2000						3,982		,3226		,6169	-2,17	3,769	2,653	3,703	,5957	-2,09		
2500						3,736		,0520		1,693	-2,49	2,785	3,858	3,708	-,458	-2,35		
3150						-1,23		-,297		1,892	-4,66	6,015	4,768	1,358	-2,27	-3,21		
4000						-1,69		,4744		2,067	-3,31	5,045	4,836	2,348	-1,32	-2,36		
5000						1,432		1,034		-1,12	,9241	4,970	3,054	3,816	-3,13	-3,03		
6300						,8869		-,386		6,342	-4,96	-,319	4,980	,8503	-5,15	-3,83		
8000						-,788		1,397		4,639	-5,19	1,272	5,589	1,858	-2,99	-1,95		
10000						,0368		4,667		2,197	-2,77	,7844	4,041	3,477	-2,39	-2,96		

AMBIENT TEMP. 44,[illegible]
WET-BULB TEMP. 35,[illegible]
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,[illegible]

FAA FAN/COMPRESSOR - PHASE [illegible] + [illegible] IGVS 9 DEG CLOSED T/D 2/23/72

R [illegible]=15 RUG=[illegible] SPEED=[illegible]

RADIAL DISTANCE 150

DATE: 5/25/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						58,62	69,12	71,71	66,13	93,26	71,25	72,88	73,99	76,96					125,5
63						60,43	68,65	78,98	67,84	72,88	71,56	72,37	74,38	76,79					123,3
80						66,19	66,88	69,88	65,29	72,15	71,34	72,57	73,59	76,09					127,7
100						76,42	71,98	78,97	67,66	75,36	73,11	77,64	76,81	76,82					129,9
125						67,64	67,33	69,46	65,38	71,14	71,73	72,64	72,65	74,54					122,4
160						65,36	65,62	68,89	65,82	78,57	78,93	71,51	71,55	73,62					124,2
200						66,78	65,23	67,24	65,11	68,46	73,21	69,98	71,67	69,79					120,9
250						63,35	62,25	63,06	59,86	64,73	65,18	65,96	66,64	67,39					116,3
315						68,82	64,99	66,15	62,88	67,14	68,25	78,30	71,19	78,49					120,8
400						72,13	68,38	78,61	65,97	71,44	72,99	74,88	73,83	77,92					123,7
500						71,69	71,56	72,79	68,44	78,44	78,32	79,64	75,86	78,28					126,6
630						69,24	78,97	71,79	67,[illegible]	[illegible]56	74,92	74,84	73,42	73,45					124,8
800						74,42	78,37	78,46	65,82	71,91	73,35	73,14	71,45	71,31					123,9
1000						77,64	75,95	76,86	71,22	77,11	77,56	79,24	75,83	74,68					128,9
1250						79,09	77,22	76,25	71,54	78,85	78,94	78,93	75,10	74,95					130,7
1600						80,99	79,39	79,47	75,16	80,90	80,62	81,47	77,11	76,82					132,8
2000						81,47	78,15	78,36	75,52	81,13	80,33	81,36	76,20	75,39					130,1
2500						80,54	76,83	77,73	73,19	78,87	80,08	80,15	74,83	73,85					128,9
3150						80,37	82,16	83,94	78,31	84,27	86,61	84,91	78,26	79,96					134,2
4000						85,89	80,66	80,61	82,18	86,67	91,96	91,64	85,86	85,75					140,1
5000						82,96	82,19	81,44	79,88	87,89	85,28	85,87	78,26	78,32					137,2
6300						84,86	81,71	80,49	78,38	84,80	85,99	84,54	76,88	77,47					137,3
8000						84,76	86,15	84,63	81,72	90,83	89,91	87,79	81,41	82,21					141,9
10000						83,44	80,62	82,63	78,99	83,87	87,44	85,78	78,59	79,61					140,7
MEASURED OASPL						93,32	93,72	93,63	89,81	99,82	96,96	96,43	91,62	91,95					
CALCULATED OASPL						93,18	93,96	93,42	88,86	99,78	96,67	96,88	91,82	91,35					
PNDB						107,1	108,5	108,5	103,2	109,7	111,7	111,4	106,2	106,3					

OAPWL: 148,3

AMBIENT TEMP, 44,00
WET-BULB TEMP, 35,00
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED 7/0 2/23/78

RUN=15 RDG=183 SPEED=5750

E102

RADIAL DISTANCE 150

DATE: 3/25/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-1.39		-1.09		1.496	-4.09	3.043	1.036	2.585	3.766	6.744		
63						-1.49		-1.27		1.057	-2.88	2.081	1.642	2.447	4.381	6.881		
80						-3.12		-2.43		.5688	-4.02	2.841	2.030	3.254	4.276	6.702		
120						-2.07		-.512		-1.51	-4.83	2.877	2.623	5.154	4.326	4.335		
125						-1.23		-1.54		.5888	-3.49	2.270	2.856	3.772	3.977	5.672		
160						-2.26		-2.00		1.271	-2.59	2.946	3.313	3.665	3.925	3.999		
200						-.279		-1.63		.3793	-1.75	1.598	4.343	3.122	4.089	2.925		
250						.4914		-.317		.5015	-2.70	2.164	2.622	3.403	4.079	4.829		
315						2.581		-1.25		-.089	-3.36	.8971	2.009	4.062	4.959	4.252		
400						2.237		-1.51		.7189	-3.92	1.549	3.096	4.107	3.632	4.029		
500						.2311		-.073		1.139	-3.22	1.787	3.668	3.985	3.402	3.548		
630						-1.53		.2038		1.038	-3.34	2.794	4.148	4.072	2.654	2.686		
800						4.567		.5208		.6144	-4.23	1.663	3.496	3.294	1.601	1.457		
1000						2.906		1.222		1.334	-3.51	2.482	2.832	4.513	1.104	-.6[illegible]		
1250						3.707		1.834		.8555	-3.85	2.662	3.546	3.564	-.206	-.436		
1600						3.227		1.634		1.714	-2.59	3.228	2.855	3.708	-.658	-1.54		
2000						3.984		.6693		.8785	-2.16	3.649	2.843	3.697	-1.21	-2.07		
2500						4.354		-.155		1.546	-2.99	2.687	3.891	3.964	-2.[illegible]	-2.63		
3150						-.891		.9220		2.681	-4.94	3.009	5.349	3.647	-1.98	-1.29		
4000						-1.71		1.865		1.813	-4.61	1.869	5.167	4.839	-.940	-1.05		
5000						1.252		.4876		-.267	-1.83	5.382	3.491	4.159	-3.45	-3.39		
6300						2.893		.5374		1.323	-2.79	3.648	4.830	3.372	-4.32	-3.69		
8000						-.107		1.282		-.238	-3.14	5.163	5.046	2.932	-3.46	-2.65		
10000						1.041		4.417		.2298	-3.41	1.471	5.038	3.381	-3.80	-2.79		

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=183 SPEED=5750

RADIAL DISTANCE 150

PAGE: 1

DATE: 3/12/73

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	132.2	142.2	152.2	162.2	172.2	(PWL)
50					68.27	70.21	72.93	66.34	72.33	72.88	74.22	75.18	75.12					134.3
58					68.06	69.37	71.98	67.37	71.74	72.66	74.22	75.96	76.28					134.4
63					66.19	67.77	71.22	65.43	71.68	72.59	74.22	75.65	77.99					134.8
80					72.49	71.21	71.98	68.29	74.87	76.17	77.83	77.78	78.16					138.4
100					68.13	68.11	78.89	66.82	73.88	78.89	74.32	74.83	76.84					137.6
125					66.82	66.71	69.93	65.43	71.23	71.05	72.91	73.14	73.82					122.8
160					66.49	66.17	69.47	64.12	69.44	73.53	71.72	73.45	72.86					122.5
200					62.31	62.16	62.79	58.87	64.73	65.46	66.37	67.83	68.33					116.9
250					60.71	60.64	67.99	64.12	68.88	70.87	72.23	74.28	73.19					122.1
315					59.43	58.89	71.42	67.88	75.11	74.72	75.87	75.99	76.48					128.3
400					72.86	72.23	73.58	69.31	74.58	75.90	76.96	77.24	76.67					126.3
500					70.58	71.93	72.55	68.88	74.49	74.75	75.39	75.85	74.63					125.6
630					74.52	71.28	71.39	66.65	72.77	73.64	74.86	73.14	72.79					124.8
800					76.73	74.69	77.89	72.38	78.36	78.17	78.44	77.79	78.89					129.8
1000					79.49	77.18	77.47	72.47	78.88	78.96	78.96	78.98	78.23					133.2
1250					82.37	80.55	80.35	76.19	81.55	81.23	82.85	78.57	77.23					132.9
1600					82.39	79.37	79.43	76.51	80.51	80.39	81.78	77.73	78.11					135.7
2000					81.41	77.87	78.80	74.42	80.14	80.85	80.43	78.48	74.49					133.4
2500					79.67	81.72	84.29	76.37	84.37	84.82	84.78	77.71	78.44					144.7
3150					87.81	83.59	95.31	83.80	98.45	92.37	89.68	86.47	85.81					137.3
4000					83.37	84.14	82.66	81.98	87.29	84.87	88.21	78.98	78.43					138.4
5000					85.25	84.49	84.39	81.92	88.39	85.11	84.83	78.16	78.87					141.4
6300					88.17	87.99	85.23	79.41	88.44	88.88	88.92	83.83	83.98					141.2
8000					82.41	86.65	83.81	80.19	84.92	86.34	86.17	88.38	86.68					
10000																		
MEASURED OASPL					94.26	90.39	97.40	90.21	96.28	96.67	95.95	92.72	92.68					
CALCULATED OASPL					94.88	94.58	97.18	89.99	98.98	96.72	95.87	92.15	92.80					
PNDB					100.6	111.8	112.8	104.5	110.8	111.8	110.5	107.2	106.8				OAPWL:	149.2

AMBIENT TEMP, 46.4
DEWPOINT TEMP, 35.2
BAR. PRESSURE 29.17
ABS. HUMIDITY 3.821

FAN FA /COMPRESSOR = PHASE 58 + 2% IGVS @ MEN CLOSED T/O 2/23/73

RW 4.2 RWS=1.94 SP=3.80382

E104

RADIAL DISTANCE 150

[illegible] 1/7 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]	[illegible]	10.0	20.0	30.	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
[illegible]						-2.72		-.789		1.938	-4.66	1.337	1.079	3.227	4.188	7.122		
[illegible]						-2.95		-1.65		.9647	-3.65	.7431	1.646	3.206	4.945	7.259		
[illegible]						-4.41		-2.83		.6166	-5.17	1.079	1.986	3.682	5.046	7.395		
1[illegible]						-2.47		-1.68		-.911	-4.59	1.176	3.279	4.939	4.687	5.204		
125						-2.29		-2.11		.3735	-4.20	1.654	2.664	4.098	4.704	6.216		
1[illegible]						-2.75		-2.06		1.159	-3.34	2.462	3.183	4.142	4.370	4.457		
2[illegible]						-1.68		-.209		.6999	-4.25	.6787	5.151	3.347	5.075	1.692		
25						-.555		-.671		-.077	-3.99	1.861	2.591	3.584	4.958	5.456		
315						1.437		-1.64		-.290	-3.96	.7135	1.795	3.955	5.799	4.911		
4						1.491		-2.57		-.018	-4.42	1.677	3.281	3.635	4.552	4.979		
5[illegible]						-.217		-.605		.7445	-3.52	1.748	3.146	4.128	4.401	3.883		
63[illegible]						-.985		.3623		.9826	-3.49	2.923	3.183	4.031	3.483	3.065		
8[illegible]						3.827		.6097		.7164	-4.03	2.895	2.962	3.389	2.468	2.117		
1[illegible]						3.789		1.045		1.458	-3.27	2.714	2.525	3.797	2.103	.4511		
125[illegible]						3.353		1.971		1.332	-3.47	2.949	2.429	3.829	.5515	-.288		
1600						3.652		1.833		1.684	-2.83	3.287	2.584	3.388	-.149	-1.49		
2000						3.911		.9756		1.841	-1.88	4.123	2.195	3.389	-.656	-2.28		
2500						4.421		.8882		1.816	-2.56	3.172	3.263	3.447	-1.55	-2.49		
3150						-.756		1.341		4.165	-4.05	4.149	4.231	1.359	-2.71	-1.98		
4000						-1.62		4.163		5.076	-5.63	1.019	2.962	.2836	-2.96	-3.82		
5000						1.332		2.111		.6231	-.048	5.267	2.039	3.182	-3.45	-3.48		
6300						2.726		2.164		2.065	-.407	4.273	2.789	2.289	-4.16	-4.25		
8000						.8166		3.638		.8752	-4.94	2.285	3.729	4.566	-1.33	-.762		
10000						-.463		3.779		.1397	-2.68	2.852	5.472	3.298	-2.52	-2.19		

[illegible] TEMP. 44.00
[illegible] TEMP. 35.00
BAR. PRESSURE 29.17
[illegible] HUMIDITY 2.821

[illegible] /COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED T/D 2/23/70

[illegible] RUN=184 SPEED=[illegible]

E105

RADIAL DISTANCE 150

DATE: 5/13/76 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50	70.20	71.67	75.35	68.96	74.18	73.96	78.28	74.67	79.75				126.8
63	69.67	70.72	74.71	69.73	73.48	73.99	75.51	77.61	80.99				126.3
80	68.27	69.98	73.06	67.98	73.07	74.22	75.79	77.47	79.84				123.7
100	73.32	73.82	74.74	70.24	76.37	77.93	79.21	79.29	79.49				128.1
125	78.84	78.29	73.13	68.18	73.41	74.44	75.84	76.63	77.19				128.9
160	68.86	68.44	71.84	66.65	72.80	72.99	73.89	74.86	76.89				122.9
200	67.78	66.96	70.38	64.98	69.92	72.81	72.11	73.24	72.17				122.3
250	62.97	63.15	64.24	59.85	66.84	66.68	67.72	69.27	69.91				117.9
315	71.85	67.88	69.57	66.57	71.44	72.23	74.32	75.89	74.82				123.8
400	78.99	78.12	72.81	68.61	74.88	76.82	78.68	77.62	77.82				126.7
500	73.63	73.25	74.69	70.26	78.66	77.86	78.35	78.74	78.35				126.8
630	78.84	72.46	73.49	68.39	74.66	75.82	76.41	76.22	76.82				126.4
800	75.75	72.77	73.25	69.43	74.88	75.17	78.33	74.37	73.98				124.2
1000	79.58	77.75	77.99	73.17	78.78	79.86	80.83	78.85	77.89				130.7
1250	80.48	78.96	78.63	74.03	78.46	79.89	80.84	77.86	76.81				131.1
1600	83.12	81.23	81.44	77.11	82.61	82.14	83.83	79.17	78.22				133.9
2000	83.42	80.67	80.76	77.63	83.07	81.44	82.88	78.21	77.86				133.9
2500	82.32	78.58	80.42	75.81	80.79	81.46	81.46	76.87	75.49				132.8
3150	80.34	81.39	84.97	77.80	84.84	83.88	83.47	78.84	78.84				133.9
4000	88.59	92.82	94.38	90.88	94.28	94.73	91.84	87.42	86.81				143.7
5000	84.14	84.88	82.89	81.85	87.83	88.49	85.98	79.39	79.33				137.8
6300	87.32	85.40	86.88	82.33	86.29	87.43	85.86	79.88	79.23				139.9
8000	86.82	88.46	84.24	83.48	87.39	89.82	91.79	88.34	84.91				141.8
10000	83.25	87.32	83.34	80.93	89.44	89.88	87.86	81.13	87.70				140.1
MEASURED OASPL	95.38	96.22	97.24	93.89	97.83	98.48	97.85	93.99	93.98				
CALCULATED OASPL	98.88	96.29	97.64	93.91	97.89	98.34	97.88	93.34	93.29				
PNDB	109.6	111.1	112.7	108.5	113.1	113.7	113.8	108.2	107.8				
												OAPWL	138.5

E106

AMBIENT TEMP. 44.0?
WET-BULB TEMP. 35.80
BAR. PRESSURE 29.17
REL. HUMIDITY 2.?21

FAA RA/CC*PRESS.... PHASE 20 + 20 10Vs 9 MFG CLOSER T/O 2/23/72

RW #12 RUN#138 SPEED#6242

RADIAL DISTANCE 15ft

DATE 5/1/72 PAGE: 8

SOUND PRESSURE LEVELS - DIRECTIVITY INDEX

	ANGLES FROM INLET															
	1°,0	21,0	32,0	42,0	52,0	62,0	72,0	82,0	90,0	120,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
5					-2,44		-1,65		2,631	-3,76	1,389	1,248	2,987	3,954	7,825			
63					-3,29		-2,17		1,813	-3,16	,9889	1,186	2,612	4,719	7,693			
					-4,11		-2,33		,7438	-4,34	1,359	1,989	3,473	4,784	7,332			
1					-4,32		-1,64		,8882	-4,62	1,788	3,278	4,915	4,889	4,832			
125					-1,47		-1,72		1,119	-3,92	1,392	2,483	3,822	4,989	9,979			
16					-2,26		-1,68		1,719	-3,48	2,171	2,828	3,788	4,418	4,247			
2.					-,8778		-1,69		1,723	-3,87	1,263	2,146	3,483	4,988	3,926			
25					-1,19		-1,41		,8858	-3,18	1,887	2,917	3,564	5,112	5,781			
3.2					1,842		-2,13		,439	-3,44	1,429	2,222	4,387	5,388	4,212			
4					1,189		-2,72		,8824	-4,23	2,864	3,188	3,838	4,778	4,486			
52					-,488		-,888		,9758	-3,89	1,946	3,146	4,241	4,827	4,239			
63					-1,93		,8982		1,116	-3,38	2,292	3,449	4,838	3,824	3,492			
8?					3,687		,7815		1,183	-3,64	2,815	3,182	3,165	2,386	1,912			
122					3,826		1,192		1,439	-2,39	2,219	2,382	4,248	1,996	,9327			
125					3,432		1,987		1,689	-2,94	2,487	2,924	3,266	,8874	-,867			
16?					3,961		1,678		1,886	-2,44	3,887	2,988	3,474	-,889	-1,34			
200					4,848		1,296		1,389	-1,74	3,498	2,886	3,384	-1,16	-2,89			
2588					4,836		,4941		2,331	-2,28	2,788	3,378	3,349	-2,81	-2,88			
3158					-,983		,4285		4,849	-3,86	4,814	4,689	1,945	-2,88	-1,98			
4888					-1,83		1,798		3,989	-,421	3,792	4,384	1,117	-3,88	-3,82			
5888					1,759		1,693		,8887	-,531	4,844	3,118	3,588	-2,99	-3,86			
6328					3,746		1,846		2,444	-1,23	2,736	3,868	2,898	-4,38	-4,32			
8888					,8259		2,662		,2648	-2,94	1,484	3,824	3,792	-,837	-1,88			
10722					-,485		3,579		-,396	-3,21	1,699	6,864	3,343	-3,81	-3,84			

AMBIENT TEMP, 44,0°
WET-BULB TEMP, 38,4°
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,21

F&A FAN/COMPRESSOR - PHASE 2B , SC IGVS 9 DEG CLOSED T/P 2/23/72

RUN:15 PT:37 SPEED:8624

E107

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

	18.2	30.2	42.2	54.2	66.2	78.2	90.0	102.0	114.0	126.2	138.0	149.8	162.	178.0	(PWL)
			69.12	76.21			73.97	67.91	73.84	74.83	75.87	77.69	88.97		138.1
			76.49	76.38			72.93	66.23	72.89	74.41	75.62	77.84	88.83		138.1
			67.78	69.17			72.64	67.44	73.67	74.83	76.89	77.97	88.40		138.8
			69.24	73.18			73.85	69.73	77.38	81.47	88.98	81.27	89.71		139.6
			69.94	74.55			72.85	68.38	74.74	77.81	77.89	78.22	79.44		136.9
			68.49	69.22			72.25	67.58	72.59	73.86	74.48	75.86	78.88		134.3
			68.82	65.19			70.43	65.17	70.73	72.83	72.11	73.38	74.12		132.8
			64.47	63.25			64.78	59.85	65.97	67.12	68.87	70.81	70.98		130.4
			73.47	69.22			70.89	66.79	72.33	73.73	74.13	76.92	78.29		132.1
			75.14	71.60			73.61	70.49	73.79	76.97	78.88	78.73	78.79		137.9
			74.84	74.91			73.88	71.89	74.73	76.91	79.66	79.89	78.49		140.1
			71.71	73.28			75.97	69.44	76.29	77.18	77.28	77.19	78.62		137.8
			76.15	72.74			73.33	68.85	74.23	75.17	75.49	74.84	74.91		136.4
			79.98	78.66			78.47	74.83	79.43	79.94	81.89	78.91	77.67		131.3
			88.23	79.11			78.74	74.48	80.84	80.47	80.88	78.41	77.43		131.0
			83.12	81.33			81.79	77.78	83.14	82.88	83.86	79.69	78.66		134.8
			83.37	80.87			80.98	78.21	83.61	82.49	83.88	78.69	77.89		134.4
E10B			82.62	79.13			80.59	76.32	81.19	82.18	82.46	76.38	76.87		133.3
			88.16	81.23			84.89	77.57	84.34	85.83	82.94	77.83	79.11		138.2
			85.83	90.25			92.96	90.14	91.58	92.87	91.49	87.59	85.97		144.8
			83.79	84.38			85.22	82.62	87.88	85.83	86.96	80.42	79.87		138.2
			87.84	84.77			87.69	85.83	87.91	90.13	86.16	80.85	80.81		140.8
			85.84	89.13			86.29	82.92	87.87	89.13	88.43	84.16	83.89		140.4
			83.43	87.69			83.67	80.48	84.95	87.48	87.60	81.72	80.85		141.6
MEASURED OASPL			94.66	95.73			96.73	93.43	97.85	98.20	97.54	94.48	94.22		
CALCULATED OASPL			94.43	98.83			96.94	93.86	96.74	98.19	97.49	93.78	93.43		
			187.9	110.3			111.9	108.7	111.8	118.9	118.1	108.5	107.8		

OAPWL 149.9

AMBIENT TEMP.	44.0
STAGNATION TEMP.	35.02
AMB. PRESSURE	29.7
ABS. HUMIDITY	2.2

FAN RPM (PRESS.) - PHASE 2B - 90 INVS 9 DEG CLOSED T/E 2/23/78

S/N 615 PROBE: SCREW#0492

RADIAL DISTANCE 150

DATE: 3/23/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM 1 AXIS 0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180° (PWL)
50			-3.67	-4.58	.7793	-4.88	.2564	1.243	3.881	4.912	6.185		
63			-2.27	-2.38	.1734	-4.93	.0413	1.449	2.889	5.882	8.809		
80			-4.83	-3.43	.6383	-5.16	1.281	2.228	3.449	4.964	7.997		
100			-6.92	-2.98	-3.11	-6.43	1.814	5.384	4.822	5.111	4.943		
125			-3.42	-2.81	-.514	-5.81	1.373	3.891	4.824	4.859	6.874		
160			-2.32	-4.31	1.522	-3.15	1.822	2.833	3.783	4.537	5.874		
200			-2.34	-3.17	2.074	-3.19	2.172	3.078	3.749	3.884	2.918		
250			-.259	-1.48	.8571	-5.67	1.242	2.391	3.139	3.285	6.882		
315			2.141	-2.17	-1.23	-4.53	1.807	2.486	3.162	3.579	4.963		
400			1.127	-2.41	-.4018	-3.32	1.782	2.989	4.178	4.718	4.783		
500			-.914	-.649	.7199	-3.96	1.891	3.349	4.786	4.484	3.838		
630			-1.77	-.281	1.589	-4.84	2.737	3.441	3.482	3.822	3.186		
800			3.838	.4229	1.219	-3.76	1.919	2.895	3.179	2.542	2.993		
1000			1.881	.9072	1.379	-3.86	2.338	2.838	4.861	1.817	.8733		
1250			3.258	1.639	1.294	-2.86	2.789	3.881	3.432	.9493	-.934		
1600			3.102	1.319	1.773	-2.24	3.184	2.863	3.849	-.387	-2.39		
2000			3.943	1.039	1.873	-1.62	3.779	2.887	3.748	-1.14	-1.93		
2500			4.885	.8269	1.998	-2.28	2.588	3.274	3.889	-2.28	-2.83		
3150			-.975	.4939	3.849	-3.17	3.622	4.797	2.287	-2.81	-1.63		
4000			-3.92	1.388	4.889	1.193	2.449	3.921	2.843	-1.36	-2.98		
5000			1.129	1.712	.9475	-.858	4.338	3.161	3.889	-2.27	-2.82		
6300			2.345	.8721	2.996	-.864	2.889	5.433	1.466	-4.65	-4.69		
8000			.5129	3.868	.9727	-2.80	1.742	4.828	3.988	-1.19	-1.64		
10000			.1393	4.395	.3703	-2.89	1.656	4.188	4.389	-1.57	-2.74		

AMBIENT TEMP. 44.0°
WET-BULB TEMP. 35.0°
BAR. PRESSURE 29.17
ALT. SIMILAR 2,74[illegible]

FAA RA/CW PRESS R - PHASE 5B - 3C 10VS 9 DEG CLOSED T/O 2/23/78

RU #25 S/N #[illegible] SPECIMEN#28

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET 12,2	30,	4	5	67,7	78,2	88,4	92,2	102,2	113,2	124,0	137,2	144,2	150,2	160,0	170,0	(PWL)
50				70,28	71,49	73,59	69,18	74,51	75,21	77,16	78,73	81,97					127,1
63				71,61	71,01	73,48	69,34	74,45	75,65	77,14	79,02	82,07					127,3
80				68,32	69,79	72,59	68,36	74,15	74,98	76,66	78,19	80,87					126,5
[illegible]				70,33	73,34	73,86	72,89	76,75	78,95	79,84	79,59	80,79					128,6
125				71,04	72,84	73,44	69,82	75,57	77,65	78,78	78,64	79,87					127,4
160				68,31	69,41	72,32	67,85	73,92	74,12	75,85	75,86	76,32					124,8
200				63,37	65,98	68,71	65,31	74,50	71,87	71,96	73,82	71,78					121,9
250				66,54	65,54	65,52	61,83	67,82	68,95	70,33	72,59	73,69					120,5
315				72,88	69,46	71,14	67,98	73,42	74,89	77,14	78,69	77,99					124,4
400				73,82	72,43	74,87	71,25	76,89	77,99	79,47	80,88	79,96					128,9
500				75,21	75,32	76,82	72,68	77,58	78,89	80,42	79,95	78,84					130,7
630				72,31	73,86	75,69	70,65	75,87	76,88	77,66	76,45	76,09					127,5
800				73,45	74,25	74,81	70,25	75,59	76,89	76,53	76,51	75,92					127,5
1000				79,19	78,62	78,39	75,19	80,27	80,49	82,72	79,87	78,77					133,8
1250				81,13	79,52	79,49	75,31	80,37	80,99	81,48	78,81	77,60					133,8
1600				81,54	81,77	82,44	78,57	83,69	83,62	84,37	80,20	79,27					135,8
2000				83,79	81,58	81,65	79,82	84,14	82,91	84,99	79,44	78,40					135,1
2500				82,91	79,84	81,61	77,59	82,32	82,73	83,84	78,98	78,63					134,1
3150				88,49	81,72	85,97	78,41	89,37	86,16	88,49	78,26	79,65					136,4
4000				87,38	94,30	96,98	98,92	91,26	93,12	91,98	87,28	87,41					146,2
500				84,43	86,29	86,38	83,99	87,66	86,71	87,53	81,12	80,91					138,5
630				86,86	88,08	86,48	86,14	87,44	91,81	87,56	79,64	79,44					141,5
8000				85,48	89,67	86,69	83,56	88,85	89,21	89,61	84,39	84,46					142,8
12500				83,32	88,54	85,63	81,78	85,99	92,66	89,13	88,74	81,69					143,7
OVERALL																OAPWL:	151,8
[illegible] SUCT DA5PL				95,28	98,08	98,78	94,11	97,36	98,81	98,24	94,83	95,23					
[illegible] DATA 5PL				94,89	98,08	99,83	94,37	97,21	99,89	98,18	94,83	94,29					
[illegible] PWDB				109,1	113,1	114,7	109,7	111,9	113,9	112,8	108,8	108,2					

AMBIENT TEMP, 44,00
[illegible] TEMP, 35,00
BAR. PRESSURE 29,17
R.H. % HUMIDITY 2,821

[illegible] PRESSOR - PHASE 3B + 3C (OVS 9 DEG CLOSED T/D 2/23/77

[illegible] RUN:07 SPEED:6660

RADIAL DISTANCE 156

Date: 3/21/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET															
	0.	1.	2.6	3.	4.3	5.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.	160.0	170.0 (PWL)
50						-3,37	-2,72	-,216	-4,63	,6966	1,385	3,352	4,928	6,152				
63						-2,34	-2,96	-,489	-4,63	,4795	1,676	3,169	5,055	8,182				
80						-4,74	-3,27	-,473	-4,69	1,891	1,918	3,597	5,134	7,809				
100						-4,79	-1,78	-1,27	-4,24	1,825	3,819	3,711	4,469	5,664				
125						-3,85	-2,06	-1,06	-4,28	1,479	3,544	4,677	4,534	5,771				
160						-2,92	-1,82	1,393	-3,38	2,288	2,893	3,819	4,632	5,895				
200						-1,94	-2,32	,4182	-2,99	2,281	3,574	3,662	5,923	3,478				
250						-,257	-1,26	-1,26	-4,96	,8326	2,199	3,536	5,801	6,341				
315						,2484	-3,16	-1,49	-4,65	,7837	2,251	4,500	6,455	5,351				
400						,2562	-2,63	-,191	-3,81	1,739	2,922	4,412	5,615	4,496				
500						-,582	-,469	1,829	-3,11	1,795	3,899	4,629	4,123	3,849				
630						-1,23	,3256	2,151	-2,89	2,327	3,348	4,138	2,914	2,948				
800						3,384	,8165	1,378	-3,18	2,164	2,892	3,895	3,881	2,484				
1000						1,344	,7876	1,548	-2,66	2,422	2,649	4,871	2,013	,9247				
1250						3,231	1,611	1,588	-2,59	2,463	3,885	3,514	,9832	-,382				
1600						2,977	1,183	1,861	-2,81	3,882	3,886	3,792	-,379	-1,31				
2000						3,315	1,106	1,182	-1,45	3,669	2,441	4,874	-1,83	-2,87				
2500						3,581	,5095	2,279	-1,74	2,983	3 394	3,789	-2,35	-2,71				
3150						-,982	,2453	4,898	-3,88	3,884	4,879	2,819	-3,22	-1,83				
4000						-3,56	3,599	6,036	-,925	,3848	2,179	,9568	-3,66	-3,93				
5000						,4744	2,329	2,416	,8264	3,699	2,753	3,587	-2,84	-3,85				
6300						1,423	2,445	,9648	,7903	2,885	5,572	2,119	-5,79	-5,99				
8000						-,292	3,892	,9134	-2,21	3,878	3,438	3,839	-1,38	-1,32				
10000						-2,68	3,141	,2375	-3,69	,6029	5,668	3,737	-2,66	-3,69				

AMBIENT TEMP, 44,2
SET-BOUND TEMP, 35,2
BAR. PRESSURE 29.17
REL. HUMIDITY 2,21

FAN FAN/DUCPRESS - PHASE 5b + DC IGVS 9 DEG CLOSED 7/D 2/23/72

RUN NO RUN DATE SPEC 0#6562

111

RADIAL DISTANCE 150

DATE: 3/05/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL.
50						70.89		72.16		74.88	70.24	75.70	75.75	77.51	79.16	82.75			127.9
63						70.89		72.19		73.88	70.68	75.15	76.01	77.49	79.89	83.31			128.1
80						69.80		70.93		73.88	69.83	75.93	76.77	78.22	79.61	82.25			127.9
100						72.39		74.26		75.63	71.13	76.86	77.45	79.64	80.09	82.55			130.0
125						77.87		78.74		78.94	73.27	77.76	78.91	82.01	80.16	81.83			130.8
160						69.32		70.56		73.72	69.01	74.39	74.91	75.48	76.33	76.84			128.6
200						68.00		67.26		69.94	66.96	71.31	72.09	72.07	73.24	71.95			122.4
250						70.41		67.07		69.46	64.56	70.92	71.43	73.58	75.24	74.87			123.3
315						73.44		70.51		72.86	69.62	75.72	77.58	79.88	80.76	79.33			128.5
400						76.71		73.42		76.33	72.35	78.71	80.48	81.80	81.72	81.46			130.8
500						75.62		76.76		79.32	73.79	79.96	81.07	81.96	80.73	80.61			131.6
630						73.88		75.64		77.18	72.30	77.14	77.36	78.29	76.35	76.97			128.5
800						77.72		74.02		75.68	71.73	77.47	78.38	78.62	78.48	77.55			129.1
1000						80.62		79.91		80.70	76.09	81.45	81.56	83.55	79.79	79.59			133.1
1250						81.91		80.68		80.32	76.34	81.35	81.78	82.44	79.55	78.54			133.1
1600						84.83		83.19		83.66	79.43	84.27	84.49	85.27	80.58	80.16			136.0
2000						85.36		82.79		83.06	80.09	85.25	84.27	86.02	79.62	79.19			136.3
2500						84.19		81.16		83.43	78.61	83.60	84.04	84.30	77.49	77.50			136.4
3150						81.31		82.86		86.64	79.29	86.24	87.36	85.07	78.67	80.20			137.5
4000						86.12		93.16		92.98	90.29	94.93	94.84	95.30	86.49	86.97			146.2
5000						85.90		89.58		88.33	87.06	91.72	90.83	92.24	83.81	83.97			142.9
6300						86.56		85.37		86.86	83.00	87.78	91.33	87.18	80.05	80.16			141.1
8000						85.87		91.35		87.59	83.73	89.63	89.93	92.23	82.76	84.10			143.9
10000						84.92		90.78		86.64	83.50	88.09	90.02	91.49	82.73	82.99			144.6
MEASURED OASPL						96.07		98.25		98.08	94.82	99.74	100.1	100.6	95.33	96.03			
CALCULATED OASPL						95.59		98.33		97.78	94.52	99.49	99.99	100.6	94.41	95.13			
PNDB						109.2		112.9		112.9	109.7	114.6	114.9	115.4	108.6	109.0			

OAPWL: 159.8

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 FILE 188 SPEED=6900

E112

RADIAL DISTANCE 150

DATE: 3/05/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7.2	10.2	20.0	30.0	40.0	52.0	62.2	78.2	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-3.66	-2.39			.3323	-4.31	1.158	1.194	2.957	4.610	8.199			
63						-3.86	-2.56			-.873	-4.87	.4831	1.257	2.736	5.142	8.959			
80						-4.76	-3.62			-.683	-4.73	1.366	2.211	3.662	5.858	7.894			
100						-3.16	-1.29			.8847	-4.42	1.389	1.988	4.886	4.549	6.996			
125						.8799	1.478			1.378	-3.99	.4078	1.647	4.749	2.897	4.565			
160						-2.68	-1.45			1.721	-2.99	2.384	2.982	3.477	4.329	4.839			
200						-.742	-1.48			1.189	-1.79	2.984	3.392	3.325	4.496	3.286			
250						.8466	-2.49			-.107	-5.01	1.357	1.859	4.618	5.669	5.382			
315						-1.25	-4.18			-1.83	-5.87	1.833	2.888	5.188	6.886	4.640			
400						-.259	-3.55			-.634	-4.62	1.747	3.516	4.836	4.758	4.495			
500						.9836	-.989			1.689	-3.89	2.866	3.383	4.272	3.838	2.920			
630						-.649	1.188			2.658	-2.23	2.624	2.821	3.764	1.813	2.439			
800						2.681	-1.81			.6416	-3.31	2.435	3.339	3.984	3.437	2.989			
1000						1.756	1.853			1.842	-2.77	2.998	2.699	4.687	.9325	.7272			
1250						3.098	1.857			1.583	-2.48	2.525	2.957	3.622	.7252	-.276			
1600						3.868	1.629			2.899	-8.13	2.718	2.948	3.711	-1.76	-1.18			
2000						3.611	1.849			1.314	-1.05	3.984	2.981	4.271	-2.13	-2.56			
2500						3.525	.4883			2.759	-2.86	3.811	3.368	3.633	-3.18	-3.17			
3150						-1.24	.3859			4.894	-3.26	3.687	4.889	2.922	-3.88	-2.35			
4000						-4.79	2.249			2.872	-.617	4.828	3.932	4.395	-4.42	-3.94			
5000						-4.97	2.113			.8625	-.489	4.253	3.364	4.766	-3.66	-3.49			
6300						1.937	.3825			1.837	-2.82	2.768	6.389	2.155	-4.97	-4.96			
8000						-4.09	4.399			.6444	-3.23	2.672	2.972	5.279	-4.19	-2.85			
10000						-4.36	4.498			.3619	-2.78	1.819	3.744	5.212	-3.55	-3.28			

E11D

AMBIENT TEMP, 44.00
WET-BULB TEMP, 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C 18VS 9 DEG CLOSED T/D 2/23/72

RUN=15 RDG=150 SPEED=6900

RADIAL DISTANCE 150

DATE: 3/11/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						76.54		73.03		75.32	70.75	76.93	76.94	78.89	80.96	84.51			129.5
63						79.26		73.89		74.97	70.66	76.36	77.26	78.94	80.93	84.88			129.9
80						76.51		72.29		74.63	70.71	76.71	77.48	79.51	80.75	83.64			129.3
100						77.59		73.65		75.74	71.33	77.28	78.52	80.61	81.46	83.91			130.2
125						81.45		78.85		80.20	73.75	77.59	82.11	82.06	81.99	86.30			130.7
160						77.72		71.37		74.59	70.12	76.15	76.70	77.44	78.42	79.54			127.9
200						78.23		68.85		71.34	68.11	73.01	73.73	74.56	75.76	74.45			125.5
250						78.56		69.21		68.58	65.98	72.06	71.41	74.00	74.55	75.41			125.1
315						81.55		70.84		74.87	69.39	75.98	77.45	79.58	82.24	79.38			129.9
400						83.82		74.09		78.86	72.89	79.89	81.31	82.57	84.07	82.43			132.9
500						86.18		80.19		81.49	76.24	81.15	82.33	82.96	82.95	82.53			134.3
630						83.16		77.48		79.65	75.26	79.58	80.63	79.96	80.05	79.73			131.9
800						85.85		75.51		77.85	73.72	80.03	79.31	78.91	78.84	77.07			131.8
1000						86.82		79.67		81.47	76.74	82.03	82.14	83.92	81.43	80.45			134.7
1250						86.93		80.34		80.89	76.98	82.25	82.29	83.39	83.24	79.82			134.7
1600						88.43		82.86		83.51	79.85	85.19	84.65	85.34	80.52	80.18			136.9
2000						88.37		82.08		82.23	79.59	85.16	83.86	84.88	79.24	78.79			136.6
2500						87.64		80.49		82.41	78.33	83.40	83.80	83.43	77.33	77.41			135.8
3150						86.51		82.84		87.05	79.77	86.67	87.35	83.95	78.96	80.68			138.1
4000						88.99		93.12		92.59	87.01	92.55	91.85	90.83	85.21	85.86			144.4
5000						91.51		96.22		94.85	88.75	95.03	92.79	93.56	87.34	88.08			146.9
6000						90.66		85.30		87.78	83.23	86.87	89.16	86.17	80.12	80.39			141.1
8000						90.09		88.57		88.04	82.92	88.82	89.83	87.85	81.65	82.91			143.0
10000						91.49		91.19		90.81	84.32	91.03	91.58	91.36	83.85	84.52			146.6
MEASURED OASPL						101.4		100.1		99.73	94.49	100.3	99.94	99.83	96.91	98.15			
CALCULATED OASPL						100.4		99.95		99.70	94.15	99.98	99.71	99.41	95.49	96.44			
PNDB						114.8		114.3		114.1	108.6	114.5	113.7	113.8	109.1	109.6			

OAPWL: 152.9

AMBIENT TEMP. 44.00
ET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=180 SPEED=7100

E114

RADIAL DISTANCE 150

DATE: 3/11/72

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	7.0	12.0	22.0	32.0	42.0	52.0	62.0	72.0	82.0	92.0	102.0	112.0	122.0	132.0	142.0	152.0	162.0	170.0	(PWL)
50						,3799	-3,13		-,842	-5,41	,7736	,7788	2,737	4,796	5,947				
63						2,559	-2,62		-1,54	-5,85	-,141	,7518	2,438	4,422	8,379				
80						,9921	-3,63		-1,29	-5,22	,7844	1,554	3,586	4,629	7,723				
100						,9807	-3,04		-,943	-5,35	,5913	1,831	3,926	4,772	7,219				
125						2,274	-,326		1,824	-5,43	-1,59	2,929	2,878	2,887	7,123				
160						3,382	-2,97		,2579	-4,22	1,886	2,361	3,888	4,884	5,185				
200						6,149	-3,85		-,939	-3,77	1,136	1,847	2,678	3,874	2,971				
250						7,182	-2,17		-2,80	-5,39	,6838	,8287	2,624	3,168	4,832				
315						5,429	-5,28		-1,26	-6,73	-,2258	1,325	3,449	6,111	3,294				
400						4,889	-4,61		-,143	-6,12	,8897	2,387	3,561	5,868	3,449				
500						5,811	-,178		1,181	-4,14	,7762	1,955	2,989	2,577	2,183				
630						5,288	-,477		1,091	-2,69	1,617	2,673	2,802	2,887	1,767				
800						7,371	-2,17		,1711	-3,96	2,349	1,632	1,233	1,162	-,612				
1000						6,348	-,809		,9935	-3,74	1,556	1,663	3,427	,9585	-,821				
1250						6,562	-,829		,5340	-3,39	1,889	1,988	3,821	-,127	-,942				
1600						6,883	,4825		1,882	-2,58	2,768	2,822	2,913	-1,01	-2,85				
2000						6,413	,1238		,2768	-2,36	3,286	1,981	2,928	-2,72	-3,16				
2500						6,618	-,533		1,395	-2,69	2,384	2,784	2,418	-3,69	-3,61				
3150						3,392	-,285		3,932	-3,35	3,943	4,825	,8388	-4,16	-2,49				
4000						-,898	4,832		3,111	-2,07	3,464	2,769	1,751	-3,87	-3,22				
5000						,8631	4,752		3,435	-2,69	3,582	1,391	2,112	-4,11	-3,37				
6300						5,016	,2603		2,741	-1,81	1,832	4,115	1,126	-4,92	-4,64				
8000						4,114	2,996		2,864	-3,86	2,842	3,898	1,878	-4,33	-3,86				
10000						3,247	2,955		2,966	-3,92	2,789	3,337	3,136	-4,39	-3,72				

AMBIENT TEMP. 44,92
WET-BULB TEMP. 35,07
BAR. PRESSURE 29,17
ABS. HUMIDITY 2,321

FAA FAN/COMPRESSOR - PHASE 58 - DC IGVS 9 DEG CLOSED T/D 2/23/72

RUN=15 RDS=150 SPEED=7100

RADIAL DISTANCE 150

DATE: 3/11/77 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						71.61		73.53		75.68	71.42	77.36	77.39	79.40	81.57	85.34			129.9
63						73.93		74.69		75.92	72.44	77.47	78.38	80.26	82.41	86.12			130.7
80						71.57		72.80		75.74	71.63	77.69	78.38	80.19	81.74	84.84			130.1
100						71.79		73.77		76.26	72.47	77.97	79.18	81.06	82.35	84.86			130.6
125						75.92		74.45		76.54	73.24	79.52	85.77	85.15	85.92	88.33			134.4
160						71.04		72.18		75.19	70.89	76.31	77.25	78.13	79.89	79.87			127.9
200						69.32		68.96		71.44	68.11	73.05	74.31	74.68	75.52	74.57			124.5
250						68.72		69.59		69.23	65.98	71.67	73.73	74.71	76.75	77.67			124.7
315						75.52		72.73		74.63	71.25	77.13	78.49	81.14	83.07	82.53			130.4
400						81.13		76.77		79.19	75.15	80.89	82.72	85.29	84.69	84.84			133.9
500						79.46		80.04		80.60	75.70	81.49	82.93	84.53	83.97	84.13			133.9
630						74.95		77.39		78.73	73.72	77.93	79.55	81.34	79.09	78.97			130.5
800						79.55		75.93		78.59	74.58	79.28	81.66	80.67	79.91	80.14			131.5
1000						79.54		80.71		80.48	76.65	82.19	82.10	84.35	81.59	80.94			133.6
1250						79.39		80.02		80.25	76.91	81.92	81.18	82.15	80.55	79.07			130.9
1600						81.84		81.62		82.36	79.73	83.78	83.86	84.69	81.24	79.79			135.8
2000						81.82		80.36		80.91	78.96	83.77	82.62	83.46	79.94	77.91			134.3
2500						80.44		78.80		80.95	77.96	82.07	82.17	81.87	79.91	75.67			133.4
3150						79.13		81.24		85.53	79.42	85.18	85.96	82.88	81.81	79.20			136.4
4000						86.01		90.33		89.13	86.94	90.59	89.19	89.09	84.89	83.60			142.8
5000						94.55		98.42		92.63	93.41	97.06	93.34	95.85	88.95	90.86			148.6
6300						85.37		84.77		89.74	84.31	86.48	87.43	86.38	82.11	79.48			140.5
8000						82.99		87.79		87.08	83.34	87.57	88.33	86.71	82.29	81.46			141.4
10000						85.29		93.39		87.20	85.54	90.76	92.41	91.94	84.16	83.83			146.4
MEASURED OASPL						97.40		100.6		98.19	96.28	100.4	99.57	100.5	98.02	99.17			
CALCULATED OASPL						97.24		100.9		97.96	96.22	100.2	99.39	100.1	96.58	97.28			
PNDB						112.4		115.4		112.5	111.2	115.3	113.6	114.9	110.3	110.5			

OAPWL: 152.8

AMBIENT TEMP. 44.20
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.826

FAN MA /COMPRESS R - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/77

RUN=15 RDG=19 SPEED=7300

E116

RADIAL DISTANCE 150

DATE: 3/11/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-4,93		-3,02		-,864	-5,13	,8148	,8481	2,851	5,019	8,795		
63						-3,41		-2,64		-1,41	-4,89	,1333	1,048	2,926	5,079	8,788		
80						-5,08		-3,85		-,908	-5,02	1,040	1,729	3,542	5,089	8,165		
100						-5,34		-3,37		-,872	-4,66	,8346	2,049	3,922	5,216	7,729		
125						-5,31		-6,39		-4,29	-7,59	-1,31	4,938	4,317	5,082	7,495		
160						-3,29		-2,15		,8570	-3,44	1,988	2,921	3,881	4,762	5,539		
200						-1,48		-1,85		,6372	-2,69	2,243	3,588	3,879	4,713	3,771		
250						-2,29		-1,40		-1,77	-5,02	,6673	2,629	3,714	5,746	6,673		
315						-1,07		-3,85		-1,96	-5,34	,5388	1,988	4,557	6,480	5,942		
400						1,11		-3,25		-,829	-4,87	,8696	2,698	5,277	4,681	4,823		
500						-,505		,8752		,6395	-4,26	1,931	2,964	4,567	4,884	4,163		
630						-1,54		,8886		2,230	-2,78	1,430	3,856	4,847	2,599	2,475		
800						2,192		-1,43		1,233	-2,78	1,920	4,297	3,389	2,544	2,781		
1000						,2959		1,270		1,036	-2,79	2,750	2,659	4,989	2,149	1,499		
1250						,8224		1,438		1,687	-1,66	3,361	2,616	3,588	1,989	,5873		
1600						,4695		1,046		1,786	-,838	2,209	3,290	4,117	,6693	-,783		
2000						2,281		,6854		1,176	-,775	4,836	2,885	3,726	,2875	-1,83		
2500						1,763		,1273		2,270	-,721	3,396	3,491	3,192	1,233	-3,88		
3150						-2,29		-,179		4,111	-2,00	3,758	4,546	1,464	,3965	-2,22		
4000						-,728		3,587		2,391	,2034	3,826	2,458	2,349	-1,84	-3,14		
5000						1,418		5,288		-,589	,2741	3,928	,2885	2,717	-4,18	-3,88		
6300						,9622		,3613		5,332	-,894	2,871	3,819	1,894	-2,29	-4,92		
8000						-1,39		3,413		2,699	-1,04	3,194	3,949	2,332	-2,09	-2,91		
10000						-2,79		5,299		-,888	-2,55	2,669	4,313	3,849	-3,94	-4,27		

AMBIENT TEMP. 44,02
FT-BULB TEMP. 35,00
BAR. PRESSURE 29,11
G.S. HUMIDITY 2,026

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RD =5 RDS=19 SPEED=7322

RADIAL DISTANCE 150

DATE: 3/11/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						72.93		75.23		81.26	72.59	78.05	78.22	80.49	82.97	86.84			131.6
63						76.99		78.43		81.23	74.47	80.11	80.30	82.44	84.68	88.11			133.2
80						73.23		74.74		79.65	72.59	78.95	79.77	81.52	83.55	86.54			131.9
100						72.85		76.27		79.25	73.45	79.12	79.90	82.18	83.78	86.17			132.0
125						77.88		77.92		79.18	77.57	82.08	86.60	87.06	87.82	88.87			135.9
160						72.06		74.04		77.91	72.24	77.63	78.67	79.61	80.81	81.24			129.5
200						70.44		72.66		75.37	69.39	74.15	75.31	75.76	77.14	75.63			126.0
250						69.95		69.81		73.67	66.37	73.32	73.89	75.54	76.95	78.61			125.8
315						74.47		72.78		74.93	71.96	78.42	79.55	81.72	83.87	83.36			131.1
400						77.57		75.92		79.19	75.56	82.89	83.19	85.55	86.34	86.31			134.5
500						77.60		79.23		81.46	77.02	82.04	83.62	84.52	85.67	85.51			134.5
630						75.26		78.99		78.66	74.29	79.00	80.28	81.49	81.08	80.39			131.3
800						76.08		76.62		78.35	75.44	80.30	83.32	81.58	82.21	80.91			132.0
1000						78.88		79.64		80.16	77.20	82.30	82.59	84.48	82.62	81.92			133.8
1250						78.67		81.07		82.12	78.41	83.20	82.39	82.75	81.29	79.87			133.9
1600						80.19		80.98		82.13	79.25	83.97	83.90	84.24	80.93	80.55			134.8
2000						82.69		79.56		80.31	78.29	83.57	82.16	82.35	78.97	77.77			133.7
2500						79.61		80.59		80.95	77.77	81.50	81.63	80.38	78.38	75.67			133.0
3150						77.79		82.12		84.66	79.34	85.28	84.96	81.59	80.42	79.12			135.8
4000						82.08		89.19		88.39	85.37	88.29	87.86	86.77	83.66	82.13			140.4
5000						93.22		100.5		94.30	93.85	93.62	92.44	94.93	90.68	89.24			148.9
6300						84.16		84.52		88.28	83.29	85.55	87.28	85.03	81.39	79.95			139.6
8000						81.65		87.17		87.86	82.69	86.87	87.58	85.04	81.51	81.63			140.9
10000						85.36		92.81		87.83	86.30	89.49	90.49	90.05	83.38	84.05			145.5
MEASURED OASPL						96.45		101.8		99.53	96.41	99.22	99.39	100.1	99.28	100.1			
CALCULATED OASPL						95.98		102.1		98.62	96.39	98.61	98.82	99.41	97.53	97.98			
PNDB						111.2		116.7		113.5	111.5	113.4	113.0	114.1	111.2	110.4			

OAPWL: 152.6

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.026

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RC =15 RCG=191 SPEED=7500

E118

RADIAL DISTANCE 150

DATE: 3/11/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-5.39		-3.09		2.938	-5.73	-.273	-.897	2.165	4.647	8.515		
63						-2.88		-1.44		1.358	-5.39	.2398	.4845	2.568	4.807	8.235		
80						-5.20		-3.69		1.217	-5.85	.5132	1.334	3.167	5.118	8.107		
100						-5.69		-2.27		.7896	-5.09	.5867	1.367	3.642	5.239	7.634		
125						-4.49		-4.45		-3.19	-4.88	-.289	4.229	4.689	5.447	6.499		
160						-3.89		-1.98		1.964	-3.91	1.678	2.718	3.661	4.857	5.288		
200						-1.96		-1.74		1.979	-3.88	1.750	2.917	3.368	4.739	3.232		
250						-2.09		-2.22		1.627	-3.67	1.278	1.855	3.502	4.915	6.576		
315						-2.83		-4.52		-2.37	-5.34	1.128	2.252	4.419	6.569	6.863		
400						-3.12		-4.77		-1.49	-5.13	2.281	2.581	4.868	5.654	5.619		
500						-2.97		-1.35		.8845	-3.56	1.462	3.042	3.948	5.092	4.987		
630						-2.87		1.668		1.336	-3.03	1.676	2.949	4.161	3.749	3.862		
800						-1.86		-1.32		.4142	-2.58	2.456	5.366	3.644	2.273	2.973		
1000						-.707		.8533		.5701	-2.39	2.775	3.885	4.888	3.031	2.331		
1250						-.938		1.468		2.518	-1.19	3.596	2.795	3.148	1.691	.2617		
1600						-.169		.6197		1.774	-1.11	3.685	3.542	3.883	.5661	.1897		
2000						1.604		.4777		1.228	-.786	4.493	3.075	3.265	-.113	-1.31		
2500						1.313		2.284		2.646	-.527	3.199	3.333	2.075	.8759	-2.63		
3150						-3.09		1.241		3.781	-1.54	4.484	4.883	.7198	-.457	-1.76		
4000						-3.05		4.063		3.265	.2438	3.156	2.728	1.639	-1.47	-3.08		
5000						-.143		7.180		.9383	.4876	.2572	-.927	1.566	-2.68	-4.12		
6300						.6723		1.033		4.798	-.202	2.058	3.788	1.535	-2.89	-3.54		
8000						-2.22		3.381		4.868	-1.17	3.889	3.719	1.175	-2.35	-2.23		
10000						-1.83		5.617		.6376	-.885	2.389	3.295	2.862	-3.81	-3.14		

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.826

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUB=191 SPEED=7500

RADIAL DISTANCE 150

DATE: 3/11/79 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET 72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50	73.68	75.84	77.85	74.81	79.67	80.88	82.45	84.88	89.11			132.9
63	76.89	78.27	79.21	75.36	80.63	81.68	83.78	85.92	89.69			134.1
80	74.37	75.77	77.99	74.59	80.53	81.46	83.42	85.69	88.88			133.5
100	73.69	76.81	78.48	74.97	80.67	81.69	83.94	85.77	88.52			133.7
125	81.94	82.99	79.26	78.15	86.11	85.20	87.78	86.52	87.82			136.6
160	73.64	74.99	77.63	73.64	79.19	80.85	81.73	82.67	83.74			131.1
200	70.94	71.29	74.64	70.32	75.92	76.53	77.61	79.53	77.88			127.3
250	71.65	72.46	72.81	69.55	74.27	76.65	77.50	78.85	79.57			127.1
315	76.27	74.39	77.26	73.78	79.59	80.67	82.89	85.89	83.42			132.2
400	81.14	78.91	81.79	77.99	86.85	86.93	87.82	86.46	86.28			136.4
500	76.37	82.27	86.99	78.36	83.42	84.73	86.26	87.91	85.86			136.7
630	76.42	80.10	80.86	75.79	80.30	81.98	82.66	82.54	81.63			132.7
800	79.63	76.82	79.93	75.59	84.18	80.86	81.53	80.85	81.16			132.9
1000	78.84	81.02	83.32	80.52	84.94	84.71	85.64	83.67	82.72			135.6
1250	79.85	84.48	84.79	78.98	82.94	83.87	83.38	82.83	80.89			135.3
1600	81.77	84.99	87.87	80.32	85.16	84.86	84.93	81.60	81.43			136.9
2000	82.76	86.67	84.48	81.82	84.21	82.86	83.35	80.81	78.23			136.3
2500	79.51	83.14	81.66	78.97	82.85	81.98	80.52	78.51	75.65			133.9
3150	77.68	81.95	84.78	79.42	84.16	84.92	81.35	80.22	78.89			135.6
4000	81.17	86.52	89.32	85.86	87.69	87.68	86.48	83.19	81.56			140.8
5000	94.66	97.61	97.26	97.28	98.76	95.87	96.33	89.29	98.22			150.1
6300	85.25	84.41	85.82	84.88	86.39	87.39	86.28	82.19	79.98			139.6
8000	83.88	87.18	87.22	84.82	88.84	88.82	86.83	82.72	82.89			141.6
10000	87.31	94.36	89.56	89.84	92.99	93.22	90.19	83.61	83.44			147.5
MEASURED OASPL	97.89	101.8	100.7	98.89	101.9	100.8	101.3	99.82	101.3			
CALCULATED OASPL	97.36	100.8	100.5	99.11	101.7	100.4	100.5	98.94	98.96			
PNDB	112.5	115.4	115.6	114.1	116.7	114.8	115.3	110.9	111.1			
										OAPWL:		153.9

E120

AMBIENT TEMP, 44.00
WET-BULB TEMP, 35.00
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.825

FAN FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN=15 NDS=199 SPEED=7760

RADIAL DISTANCE 150

DATE: 3/11/7[illegible] PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-9.01		-3.85		-1.84	-5.68	-.019	.3926	2.761	5.192	9.419		
63						-4.75		-2.49		-1.55	-5.39	-.123	.9265	3.029	5.166	8.944		
80						-5.74		-4.36		-2.15	-5.54	.3964	1.331	3.271	5.556	8.754		
100						-6.22		-3.40		-1.74	-5.24	.4577	1.478	3.729	5.556	8.289		
125						-.899		.1564		-3.58	-4.66	3.274	2.364	4.941	3.683	4.985		
160						-3.91		-2.57		.0784	-3.91	1.638	2.494	4.178	5.121	6.184		
200						-2.72		-2.36		.3758	-3.34	1.859	2.871	3.954	5.887	4.222		
250						-1.75		-.942		-1.39	-3.85	.8443	3.249	4.189	4.646	6.166		
315						-2.14		-4.01		-1.35	-4.63	1.177	2.259	4.484	6.685	4.993		
400						-2.44		-3.67		-.827	-4.59	3.469	4.383	4.442	3.878	3.696		
500						-4.43		-.526		4.281	-4.44	.6218	1.987	3.465	5.189	3.862		
630						-2.27		1.415		1.371	-2.89	1.697	3.289	3.973	3.856	[illegible].948		
800						.8534		-1.95		1.159	-3.17	5.487	2.186	2.752	2.879	2.384		
1000						-2.59		-.415		1.885	-.917	3.588	3.273	4.287	2.229	1.289		
1250						-1.13		3.897		3.813	-2.88	1.958	2.886	2.398	1.846	-.181		
1600						-.789		2.923		4.594	-2.16	2.685	2.388	2.454	-.782	-1.05		
2000						1.891		4.996		2.889	-.693	2.540	1.191	1.679	-1.66	-3.44		
2500						.3979		4.828		2.545	-.143	2.932	2.869	1.483	-.609	-3.47		
3150						-2.93		1.342		4.173	-1.19	3.540	4.389	.7487	-.386	-1.72		
4000						-3.53		1.818		4.611	1.154	2.980	2.898	1.723	-1.55	-3.14		
5000						.8899		3.839		2.693	2.711	4.189	.4941	1.754	-5.28	-4.35		
6300						1.531		.8928		2.301	1.283	2.877	3.869	2.737	-1.32	-3.61		
8000						-1.51		2.513		2.635	-.569	3.449	4.833	2.239	-1.87	-1.78		
10000						-1.88		5.173		.3742	-.145	3.764	4.035	.9649	-5.57	-5.75		

AMBIENT TEMP. 44.02
WET-BULB TEMP. 35.07
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.826

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RUG=19[illegible] SPEED=7702

RADIAL DISTANCE 150

DATE: 3/25/72 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						74.45		75.96		77.92	74.59	80.11	80.57	82.60	85.29	89.59			133.4
63						76.17		77.36		78.46	75.04	80.90	81.74	83.62	86.13	90.89			134.3
80						75.77		76.77		78.88	75.15	81.86	82.19	84.12	86.23	89.26			134.1
100						75.00		77.74		79.79	76.16	81.79	82.66	85.10	87.10	89.81			134.9
125						77.36		81.25		80.60	79.18	80.29	86.86	87.31	86.87	88.18			136.7
160						74.89		75.75		78.26	74.13	80.97	81.83	82.17	82.84	86.33			138.9
200						72.29		71.53		74.65	70.86	75.95	77.34	78.89	79.62	78.29			129.8
250						75.64		76.36		74.37	71.78	75.99	78.26	78.83	79.54	80.99			130.9
315						76.49		74.67		77.39	73.94	79.80	81.29	83.66	86.16	84.54			132.9
400						79.19		79.71		83.69	78.97	86.24	86.24	87.54	88.33	87.42			137.4
500						82.06		81.24		85.18	81.97	85.80	86.12	87.56	87.41	87.82			139.8
630						77.97		79.73		80.68	76.47	81.09	83.81	83.30	82.87	83.50			132.4
800						82.07		79.89		78.58	75.17	84.78	81.08	81.97	83.39	82.19			133.8
1000						80.37		83.90		83.06	78.85	85.10	84.96	86.31	84.38	83.96			136.2
1250						88.13		93.36		86.46	82.14	83.42	83.94	85.50	84.40	82.87			139.9
1600						87.09		89.83		87.30	85.18	86.38	86.34	86.69	88.19	88.88			139.1
2000						85.27		89.22		85.25	81.36	85.51	83.37	84.81	88.62	79.60			137.8
2500						80.35		81.80		82.89	79.09	82.28	82.13	80.92	78.83	76.83			134.8
3150						78.08		86.17		86.69	79.61	84.27	85.25	81.98	80.23	79.83			136.9
4000						80.06		88.16		89.15	84.24	87.06	87.54	86.37	82.70	81.91			139.9
5000						91.48		73.73		97.06	90.82	97.50	99.04	96.76	91.43	91.14			140.9
6300						85.78		87.62		86.50	83.22	86.26	88.54	87.17	82.88	80.46			140.4
8000						82.70		88.33		88.72	84.35	87.83	88.44	85.35	82.38	82.56			141.7
10000						88.34		95.06		90.62	87.35	92.38	90.90	90.27	83.05	84.82			147.3
MEASURED OASPL						97.79		104.2		100.9	96.81	101.7	102.4	101.7	100.2	101.3			
CALCULATED OASPL						97.25		100.3		100.7	95.87	101.8	101.9	100.9	98.85	99.79			
PNDB						111.4		111.8		115.8	110.5	116.1	117.1	115.7	112.2	112.0			

OASPWL: 150.0

AMBIENT TEMP. 45.00
WET-BULB TEMP. 35.49
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 RDG=193 SPEED=7900

RADIAL DISTANCE 150

DATE: 3/05/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0.0	12.0	24.0	30.0	42.0	52.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						-5.65		-4.14		-2.18	-5.58	.8110	.4785	2.575	5.195	9.489			
63						-4.76		-3.57		-2.47	-5.89	.8537	.8109	2.689	5.201	9.327			
80						-4.95		-3.95		-1.84	-5.57	.3448	1.474	3.397	5.513	8.538			
100						-6.44		-3.71		-1.36	-5.28	.3522	1.215	3.732	5.668	8.362			
125						-5.81		-1.92		-2.57	-3.99	5.121	2.893	4.137	2.981	5.814			
160						-4.27		-2.62		-.109	-4.24	2.597	2.868	3.805	4.872	5.967			
200						-1.84		-2.61		.5991	-3.28	1.889	3.288	3.985	5.485	4.156			
250						.4421		1.156		-.229	-3.42	.7934	3.857	2.827	4.336	5.746			
315						-2.68		-4.49		-1.77	-5.23	.7253	2.116	4.491	6.989	5.369			
400						-4.39		-3.88		.1815	-4.62	2.656	4.656	3.957	4.739	3.834			
500						-1.29		-2.11		1.821	-1.38	1.727	2.768	4.209	4.854	3.969			
630						-1.81		.3548		1.380	-2.98	1.714	3.629	3.928	3.191	4.208			
800						2.373		.1961		-1.11	-4.52	5.853	1.388	2.288	3.695	2.581			
1000						-1.65		1.883		1.037	-3.17	3.162	2.938	4.296	2.368	1.947			
1250						2.526		7.758		.8642	-3.46	-2.19	-1.66	-.872	-1.12	-2.73			
1600						2.671		4.684		2.683	-1.88	1.762	1.718	1.878	-1.48	-1.89			
2000						2.101		6.852		2.879	-1.88	2.348	.1829	.8392	-2.55	-3.56			
2500						1.881		2.536		3.625	-.173	3.818	2.861	1.659	-1.23	-3.24			
3150						-3.87		4.222		4.739	-2.34	2.321	3.382	.8259	-1.72	-2.12			
4000						-4.55		3.547		4.534	-.376	2.449	2.924	1.759	-1.91	-2.71			
5000						-1.92		-19.7		3.656	-2.59	4.897	5.639	3.361	-1.97	-2.26			
6300						1.455		3.297		2.182	-1.18	1.937	4.223	2.846	-2.24	-3.86			
8000						-1.99		3.637		4.819	-.344	2.331	3.739	.6836	-2.32	-2.14			
10000						-.653		6.868		1.629	-1.65	3.358	1.987	1.274	-5.94	-4.98			

AMBIENT TEMP. 45.82
WET-BULB TEMP. 35.49
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=193 SPEED=7900

E12B

RADIAL DISTANCE 198

DATE: 6/26/78

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

	0.0	12.4	24.8	32.4	48.8	56.7	64.8	72.9	80.9	89.0	97.0	105.0	113.0	121.0	129.0	137.0	145.0	153.0	161.0	169.0	(PWL)
1HZ.																					
50						74,91		76,51		78,29	74,78	80,75	81,88	83,33	86,25	90,33					134,1
63						75,38		76,97		78,81	75,28	81,44	82,14	84,84	86,72	90,79					136,7
80						75,74		76,58		79,03	75,91	82,08	83,08	84,83	86,98	90,48					136,9
100						72,76		77,92		80,29	76,69	82,42	83,78	86,28	88,13	91,88					139,0
125						76,22		79,14		83,10	82,57	90,87	90,59	90,82	88,44	89,76					140,3
160						74,64		78,81		79,22	76,79	83,84	84,98	86,88	86,88	88,19					134,8
200						72,43		72,29		78,29	71,74	76,58	77,99	79,12	81,88	79,88					118,0
250						74,38		77,92		77,12	71,44	88,89	79,18	79,74	88,86	82,19					122,4
315						77,74		75,67		78,24	74,63	81,19	82,74	84,95	87,43	85,71					134,2
400						80,19		78,85		82,49	78,17	85,82	86,43	88,48	88,91	89,13					139,3
500						80,87		81,85		87,22	82,52	87,64	88,34	89,88	89,29	88,74					139,1
630						79,25		80,38		83,84	78,71	83,63	83,35	86,18	86,48	84,39					138,2
800						82,31		80,92		84,55	81,85	86,89	84,83	82,94	83,64	83,12					137,9
1000						81,62		83,32		84,76	79,13	84,91	85,88	87,48	88,81	88,47					137,8
1250						88,64		95,22		92,67	81,98	87,83	84,88	87,48	89,86	84,26					148,3
1600						84,46		88,86		89,88	83,83	86,78	86,86	87,33	86,23	83,99					139,9
2000						85,64		87,87		86,51	83,12	86,84	83,74	85,47	81,93	81,24					137,9
2500						81,92		82,28		84,39	79,46	83,88	82,49	82,88	79,87	77,89					134,8
3150						88,13		86,99		87,98	88,85	85,32	86,82	83,19	88,79	88,86					137,9
4000						81,39		87,88		88,83	84,49	87,42	87,23	86,84	83,82	82,41					140,8
5000						94,94		98,52		91,61	98,87	96,69	94,89	93,12	89,24	88,91					146,1
6300						87,42		87,79		87,88	83,29	87,26	87,42	86,29	82,39	88,87					140,7
8000						83,79		98,48		98,89	85,84	88,97	89,98	86,11	82,91	82,48					140,3
10000						88,49		93,83		92,14	86,93	98,18	91,88	98,14	83,93	83,48					144,9
MEASURED OASPL						99,16		102,9		100,9	96,71	101,9	101,8	101,7	100,9	100,1					
CALCULATED OASPL						98,57		102,7		100,8	96,28	101,4	100,8	100,8	99,92	100,5					
PNDB						113,9		117,8		115,9	110,8	116,1	114,9	114,4	113,7	111,6					
																				OAP, LI	153,9

AMBIENT TEMP. 45,0C
STABILIZED TEMP. 35,49
BAR. PRESSURE 29,11
ABS. HUMIDITY 2,78#

FAN PAV/CC PRESSU- - PHASE 5B + 5C IGVS 9 DEG CLOSED T/P 2/23/79

RUN=15 RUG=194 SPEED=8100

E124

RADIAL DISTANCE 150

DATE: [illegible]/70 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	[illegible]	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50						-5.88		-4.28		-2.51	-6.02	-.841	.21[illegible]	2.542	5.455	9.532		
63						-6.99		-4.40		-2.76	-5.59	.8689	.7717	2.672	5.358	9.418		
80						-5.84		-5.00		-2.55	-5.67	.4981	1.479	3.256	5.383	8.986		
100						-6.66		-4.57		-2.13	-5.73	-.811	1.324	3.828	5.689	8.573		
125						-9.67		-6.68		-2.71	-3.[illegible]	5.849	4.767	4.199	2.618	3.944		
160						-5.81		-4.04		-1.23	-3.67	3.386	4.868	4.219	4.428	4.939		
200						-2.69		-2.83		.1764	-3.38	1.456	2.878	4.888	5.941	4.783		
250						-.549		.9922		.1908	-5.49	3.167	2.253	2.827	3.929	5.298		
315						-2.67		-4.74		-2.17	-5.78	.7784	2.335	4.541	7.824	5.384		
400						-3.28		-4.63		-1.39	-5.38	1.547	3.168	4.948	5.438	5.659		
500						-5.11		-3.93		2.043	-2.66	2.481	3.369	4.696	4.073	3.554		
630						-1.93		-.804		1.861	-2.47	2.447	2.378	4.971	3.248	3.284		
800						-1.11		6.899		1.128	-1.57	3.475	.6863	-.481	.2172	-.302		
1000						-1.19		.5844		1.949	-3.68	2.896	3.068	4.602	3.002	2.688		
1250						.6130		7.188		4.642	-6.13	-.998	-3.15	-.615	-2.97	-3.77		
1600						-.398		3.885		4.799	-2.88	1.666	1.818	2.270	-.519	-1.11		
2000						2.323		3.756		3.192	-.199	2.729	.4288	2.156	-1.39	-2.08		
2500						1.705		2.864		4.179	-.749	2.789	2.477	1.794	-1.14	-2.92		
3150						-2.83		4.024		5.817	-2.91	2.359	3.859	.1849	-2.17	-2.18		
4000						-3.12		3.169		4.126	-.217	2.783	3.022	2.181	-1.69	-2.30		
5000						2.386		5.870		-1.83	-1.97	4.857	1.488	.4919	-3.39	-3.72		
6300						2.859		3.240		2.581	-1.38	2.783	3.865	2.893	-2.16	-3.88		
8000						-2.49		4.120		4.686	-1.24	2.285	3.699	-.178	-3.77	-3.84		
10000						-1.71		4.826		3.937	-1.27	1.899	2.874	1.933	-4.27	-4.88		

AMBIENT TEMP. 45.00
WET-BULB TEMP. 35.49
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

[illegible] #15 RD=194 SPE=J=8100

RADIAL DISTANCE 150

DATE: 3/25/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						75,53	77,79	79,48	75,26	80,62	81,29	83,84	87,24	91,33					134,9
63						76,33	77,92	79,60	75,98	81,88	82,30	84,71	87,91	92,86					138,7
80						76,11	77,79	80,33	76,24	82,53	83,54	85,49	88,33	92,15					136,2
100						75,99	78,84	81,03	77,31	83,46	84,57	87,15	89,87	92,17					136,9
125						77,26	80,99	83,79	81,28	90,66	90,41	89,04	90,10	91,52					139,6
160						76,84	78,94	82,88	78,84	87,84	88,29	86,98	88,17	88,38					137,3
200						74,86	74,32	76,86	73,85	78,69	79,69	81,44	83,83	82,41					138,9
250						77,26	73,65	77,19	72,86	88,84	79,18	79,83	81,94	81,43					138,5
315						78,79	75,41	78,94	74,98	82,38	82,26	84,08	86,99	85,21					134,1
400						81,14	78,99	82,39	79,58	88,61	87,49	88,15	89,19	88,63					138,1
500						81,22	88,25	84,42	80,84	86,69	87,58	89,46	90,88	89,94					140,6
630						88,67	83,64	87,94	78,66	84,19	85,88	86,36	86,96	86,79					136,3
800						89,29	87,06	91,26	76,91	83,89	86,87	84,58	89,11	83,82					137,9
1000						82,83	84,40	85,78	88,47	85,59	85,56	87,65	87,83	86,88					137,7
1250						89,31	90,18	88,29	81,39	85,66	86,88	87,37	88,71	85,12					139,3
1600						89,82	88,64	87,67	82,82	86,92	86,71	87,68	88,11	86,88					139,8
2000						86,24	89,98	89,93	82,55	87,17	85,37	88,88	83,69	82,78					139,8
2500						83,88	85,35	83,97	79,82	84,61	84,42	83,11	88,22	79,86					134,3
3150						82,93	87,81	88,59	88,97	86,89	86,79	83,49	81,95	88,99					138,8
4000						84,34	89,24	98,54	85,28	88,78	86,97	87,89	83,85	84,49					141,3
5000						88,63	96,45	97,43	91,33	100,9	96,39	94,61	88,37	88,79					149,9
6300						87,58	88,98	89,93	84,96	91,33	89,32	88,47	83,38	82,81					142,8
8000						88,33	91,12	98,86	86,83	98,29	98,56	89,29	82,93	83,99					148,8
10000						87,24	93,88	91,39	87,17	91,89	92,77	98,62	84,43	84,71					147,1
MEASURED OASPL						100,2	101,9	102,8	96,97	104,3	102,4	102,4	102,1	103,3					
CALCULATED OASPL						99,57	101,7	101,7	96,94	103,8	101,5	101,4	100,7	101,7					
PNDB						114,9	116,1	116,7	111,2	118,9	116,5	115,4	112,1	112,3					

OAPWL: 134,9

AMBIENT TEMP, 45,00
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/O 2/23/70

RUN=15 RDO=195 SPEED=8300

RADIAL DISTANCE 150

DATE: 3/25/78

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET 7,0	17,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						-6,87	-3,81	-2,12	-6,34	-,984	-,312	2,239	5,639	9,732					
63						-6,82	-4,41	-2,65	-6,46	-,541	,8478	2,363	5,867	9,713					
80						-6,63	-4,95	-2,42	-6,51	-,217	,7948	2,728	5,586	9,487					
100						-7,41	-4,56	-2,37	-6,89	,8568	1,164	3,744	5,665	8,763					
125						-8,79	-5,06	-2,26	-4,77	4,480	4,383	2,987	4,852	5,471					
160						-7,15	-4,75	-1,67	-4,86	4,168	4,853	3,206	4,477	4,689					
200						-3,23	-2,97	-,1283	-4,23	1,398	2,388	4,288	6,348	5,184					
250						,4638	-3,14	,3991	-4,73	4,839	2,386	3,829	4,249	4,638					
315						-1,56	-4,93	-1,42	-5,37	1,958	1,934	4,458	6,651	4,866					
400						-3,09	-5,23	-1,83	-4,73	4,376	3,863	3,918	6,931	4,483					
500						-3,48	-2,46	-,2798	-4,46	1,998	2,831	4,768	5,388	4,849					
630						-1,59	-,619	,8781	-3,61	1,938	2,739	4,898	4,696	4,983					
800						5,438	3,211	-2,59	-7,34	,8413	2,821	,6656	5,351	-,833					
1000						-,436	,9381	2,439	-2,99	2,123	2,898	4,189	3,968	2,615					
1250						,3835	5,274	3,291	-3,61	,9498	,9927	2,364	,7889	,1111					
1600						,8832	3,668	2,928	-1,84	2,211	1,948	2,866	,3886	,8391					
2000						1,792	5,537	1,487	-1,89	2,724	,9272	1,383	-,787	-1,74					
2500						2,831	3,777	2,394	-1,75	3,827	2,848	1,948	-1,38	-2,81					
3150						-,864	3,216	4,884	-2,82	3,874	2,997	-,311	-1,89	-,799					
4000						-1,69	3,199	4,582	-,763	2,758	2,934	1,859	-2,19	-1,58					
5000						1,177	1,991	2,997	-3,13	6,479	,9382	,2384	-,68	-2,67					
6300						2,842	1,837	2,793	-2,18	4,989	2,982	1,729	-3,36	-2,93					
8000						-1,45	4,339	3,284	-,742	3,522	3,784	-1,48	-3,84	-2,79					
10000						-1,52	4,317	2,626	-1,59	3,137	4,887	1,865	-4,33	-4,85					

AMBIENT TEMP, 45,82
WET-BULB TEMP, 35,49
BAR, PRESSURE 29,11
ABS, HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B - SC IGVS 0 DEG CLOSED T/O 2/23/78

RUN=15 RDG=195 SPEED=8300

E127

RADIAL DISTANCE 150

DATE: 3/05/70 PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50						76,38		77,7[illegible]		79,67	76,81	81,64	81,79	84,31	87,63	92,13			138,5
63						76,76		78,0[illegible]		79,82	76,58	82,34	83,00	85,22	88,63	93,37			136,6
80						76,83		78,59		81,30	77,38	83,39	84,19	86,25	89,15	92,65			136,9
100						75,91		79,34		81,58	78,29	84,89	85,19	87,78	89,89	92,53			137,4
125						78,79		82,26		82,87	80,42	88,38	89,31	89,19	93,94	91,69			139,8
160						79,87		83,79		81,86	81,35	89,83	91,48	89,[illegible]	91,73	89,47			139,9
200						73,74		73,83		77,19	73,87	78,46	79,87	81,29	83,98	81,93			138,9
250						75,76		74,29		76,24	72,76	77,59	78,28	79,47	80,58	82,19			129,7
315						80,19		77,39		80,04	77,02	82,49	83,63	85,39	87,29	86,88			139,0
400						81,85		80,80		84,36	81,52	89,15	88,89	89,75	89,55	89,32			139,1
500						81,11		83,47		84,00	81,38	86,94	88,65	89,99	90,29	89,81			139,2
630						80,57		83,83		84,13	80,67	84,18	86,19	86,59	87,87	86,68			136,8
800						88,48		89,43		86,31	81,02	86,84	87,37	84,54	86,48	84,15			139,1
1000						83,14		85,39		86,21	81,31	86,26	86,61	88,44	87,31	86,45			138,3
1250						89,11		88,88		87,93	82,39	86,58	86,83	86,57	85,76	84,77			139,6
1600						87,93		89,86		88,55	84,13	87,49	87,83	87,96	85,89	89,94			140,3
2000						88,85		91,77		87,96	86,28	88,87	86,36	86,28	83,86	82,83			140,5
2500						84,55		88,85		86,35	81,83	84,58	84,55	83,88	80,31	79,88			137,1
3150						82,78		86,33		88,81	81,41	86,61	87,39	83,45	81,58	82,88			138,8
4000						84,58		89,88		91,57	86,45	89,88	89,85	86,81	84,85	84,81			141,9
5000						90,67		97,21		95,23	94,87	100,4	94,45	93,73	87,88	87,91			149,6
6300						90,92		91,89		90,56	88,59	93,89	90,26	89,61	83,73	83,76			144,5
8000						85,29		91,07		90,12	88,11	88,85	89,33	86,12	82,68	84,14			148,6
10000						87,28		94,61		93,15	88,49	90,86	91,05	90,47	83,99	84,48			147,6
MEASURED OASPL						100,9		102,8		102,8	99,17	104,3	102,8	102,7	102,7	103,9			
CALCULATED OASPL						100,2		102,6		101,7	98,89	103,7	102,8	101,7	101,1	102,2			
PNDB						114,9		117,0		116,0	113,8	118,8	118,9	115,2	111,8	112,3			

OAPWL: 155,3

AMBIENT TEMP. 45,00
WET-BULB TEMP. 35,49
BAR. PRESSURE 29,11
ABS. HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=196 SPEED=8500

RADIAL DISTANCE 150

DATE: 3/05/72 PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

FREQ.	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PWL)
50						-5,83		-4,47		-2,54	-6,20	-,569	-,421	2,892	5,416	9,913			
63						-6,48		-5,16		-3,41	-6,65	-,889	-,238	1,993	5,395	10,14			
80						-6,62		-4,86		-2,15	-6,07	-,858	,7420	2,901	5,695	9,198			
100						-8,06		-4,63		-2,39	-5,68	,1213	1,227	3,731	5,928	8,562			
125						-6,73		-3,26		-3,45	-5,10	2,785	3,795	3,678	5,419	6,179			
160						-6,47		-2,54		-4,48	-4,99	3,493	5,147	3,627	5,306	3,181			
200						-3,55		-3,46		-,891	-3,61	1,168	2,583	3,998	6,644	4,649			
250						-,243		-1,72		,2365	-3,25	1,593	2,274	3,468	4,572	6,182			
315						-1,04		-3,83		-1,19	-4,21	1,260	2,404	4,159	6,865	5,648			
400						-3,43		-4,48		-,907	-3,76	[illegible]	3,616	4,471	4,264	4,040			
500						-4,14		-1,77		-,848	-3,86	1,698	3,484	4,727	5,853	4,562			
630						-2,24		,2171		1,322	-2,14	1,292	3,305	3,777	4,857	3,871			
800						3,427		4,382		1,263	-4,03	2,991	2,316	-,513	1,424	-,902			
1000						-1,02		1,235		2,806	-2,85	2,104	2,651	4,284	3,152	2,294			
1250						4,002		3,768		2,428	-2,72	1,463	1,719	1,456	,6473	-,341			
1600						2,092		4,018		2,722	-1,78	1,868	1,994	2,899	-,843	-,1085			
2000						2,920		5,846		1,931	-1,64	2,139	,4383	,3587	-2,07	-3,89			
2500						2,188		3,512		4,006	-1,31	2,203	2,254	1,206	-2,03	-2,46			
3150						-1,01		2,541		5,016	-2,38	2,618	3,683	-,348	-2,21	-,918			
4000						-2,18		3,275		4,964	-,156	2,473	2,649	,2054	-2,38	-1,79			
5000						1,530		3,082		1,892	,7413	6,274	,3199	-,399	-7,86	-6,22			
6300						2,485		2,656		2,105	,1507	4,887	1,821	1,174	-4,71	-4,66			
8000						-1,28		4,486		3,544	1,526	2,270	2,747	-,461	-3,98	-2,44			
10000						-1,99		5,332		3,869	-,792	1,582	2,674	1,397	-5,29	-4,79			

AMBIENT TEMP. 45,02
WET-BULB TEMP. 35,49
BAR. PRESSURE 29,11
ABS. HUMIDITY 2,788

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/70

RUN=15 RDG=196 SPEED=8500

E129