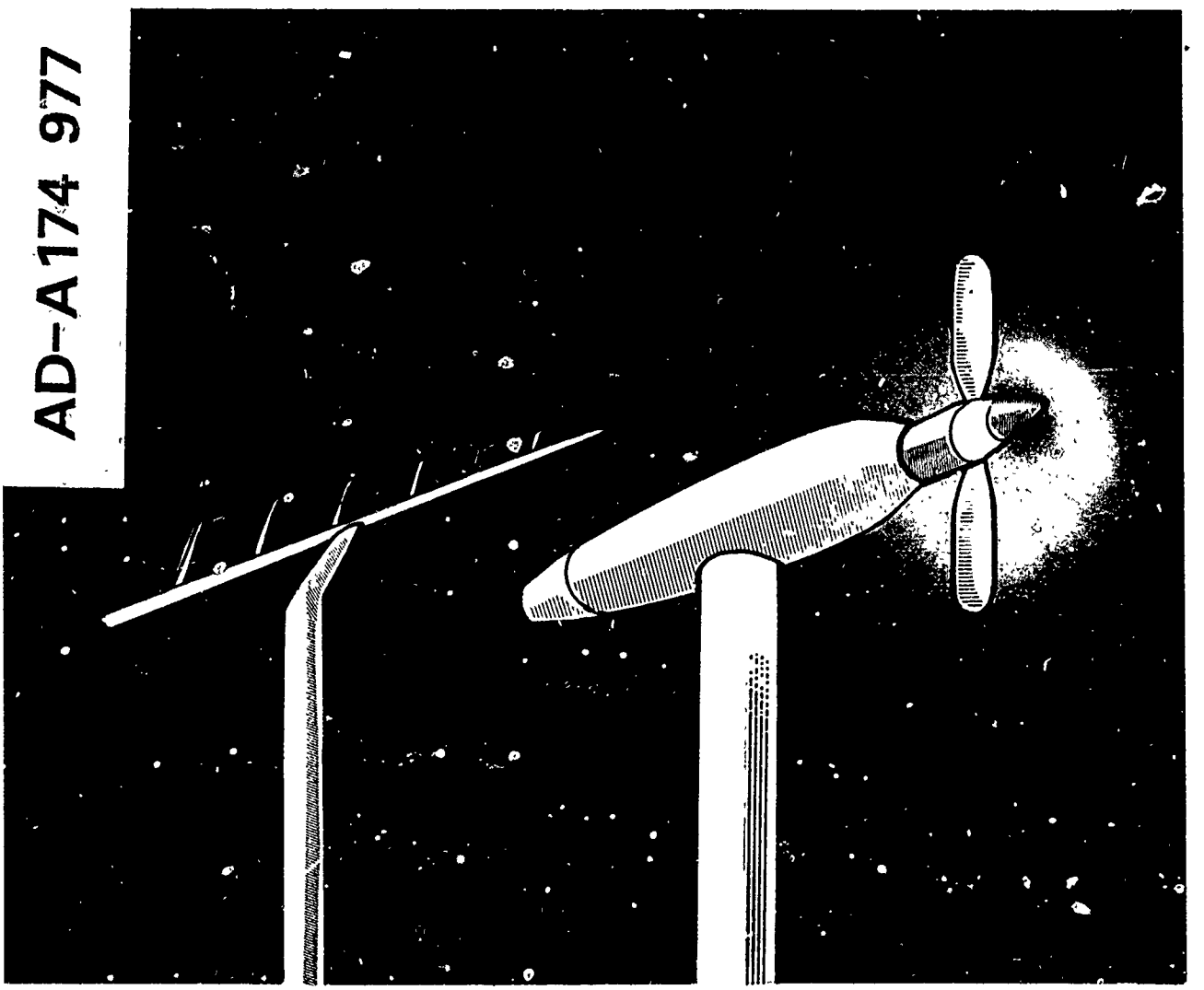
DFVLR/FAA
Propeller Noise Tests in the German-Dutch Wind Tunnel DNW

Appendix I: Basic Test-program
(Propeller 1: Thickness 6.4%, Round Tip-shape)

DFVLR-IB 129-86/3
FAA Report No. AEE 86-3

AD-A174 977



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US Department of Transportation
Federal Aviation Administration
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Deutsche Forschungs- und Versuchsanstalt für Luft- und Raumfahrt e.V.
Inst. für Entwurfsaerodynamik
Abteilung Technische Akustik

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DATA REPORT ON PROPELLER NOISE TESTS

IN THE GERMAN-DUTCH WIND TUNNEL

APPENDIX I

RESULTS FROM THE BASIC TEST-PROGRAM
(PROPELLER 1: THICKNESS 6.4%, ROUND TIP-SHAPE)

by

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1. Introduction

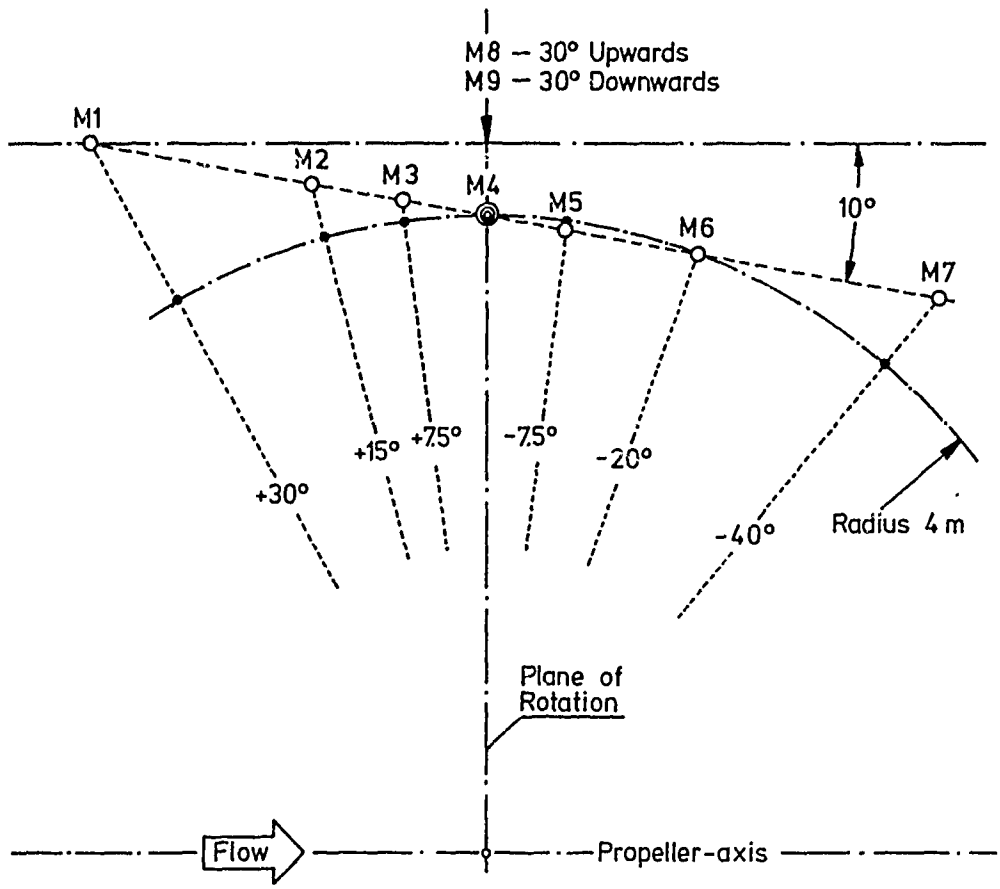
Within a joint effort (and supported by the German Ministry of Research and Technology/BMFT) between the Deutsche Forschungs- und Versuchsanstalt für Luft- und Raumfahrt (DFVLR), the US Federal Aviation Administration (FAA), and the German Ministry of Transportation (BMV), propeller noise tests were conducted in the "Deutsch-Niederländischer Windkanal/German Dutch Wind Tunnel (DNW)" to develop high quality propeller-acoustics data, which could be used by manufacturers for acoustic design purposes, and by researchers to validate established or newly developed theoretical noise prediction methods.

Specifically, the program addressed propeller Mach number and disc plane attitude effects as related to noise certification test and evaluation procedures. Changes in Mach number, as they affect acoustic data adjustments, were explored through independent variation of tunnel flow velocity, propeller rotational speed and ambient air temperature. The tests on the effect of in-flow angle on propeller noise also incorporated the influence of a typical engine nacelle on the flow field and, hence, on the propeller noise.

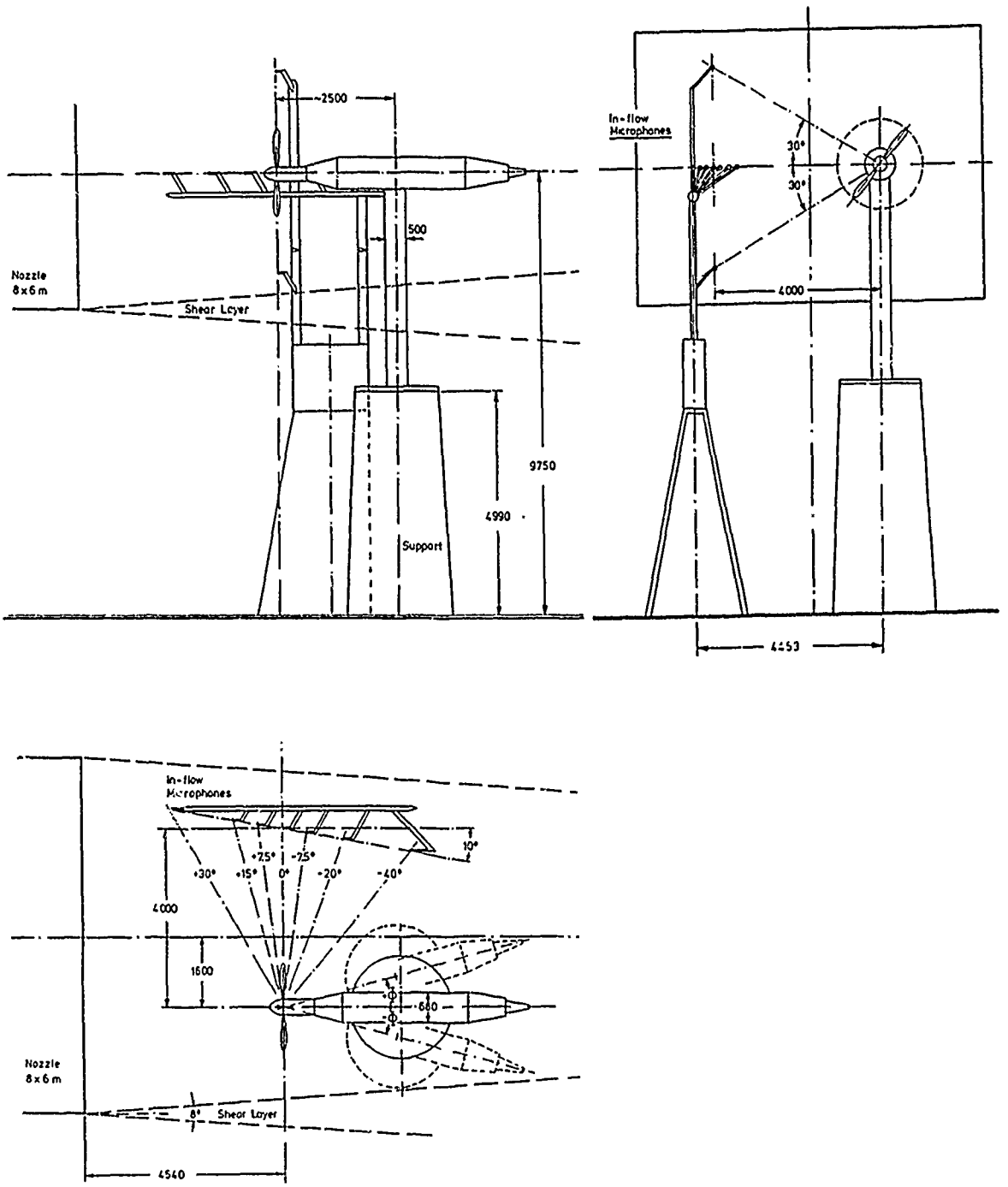
In this Appendix the results from the basic test-programm (Propeller 1: Thickness 6.4%, round tip-shape) are documented in terms of pressure-time histories, narrow-band spectra and unweighted as well as A-weighted overall sound pressure levels, together with supplementary information nescessary for further data interpretation. A detailed description of data-acquisition and -reduction techniques is provided by the "Executive Report" to this Appendix.

2. Microphone Array

A total of seven in-flow microphones were positioned in the horizontal plane at different streamwise locations corresponding to particular geometric radiation angles from the propeller center. Two additional microphones were positioned in the plane of rotation (4 m lateral distance to the propeller axis) at angles of ± 30 deg respectively above and below the horizontal plane with reference to the propeller center.



In-flow Microphone Positioning



Schematic Representation of Test-rig Arrangement within the Core-flow Regime of the DNW 8x6m² Open Test Section

3. Environmental and Operational Test-data

In the following table(s) the data-point matrix is documented. These table(s) summarise the as-measured data and characteristic propeller operational parameters as calculated from measured data.

RUN NO.	DATA POINT	PITCH ANGLE	ROT. SPEED	FLOW VEL.	POWER	THRUST	ATTITUDE ANGLE	FLOW TEMP.	FLOW PRES.	FLOW DENS.	ADV. RATIO	ATTACK ANGLE	POWER COEF.	THRUST COEF.	HEL. MACHN.
		DEG	RPM	M/S	KW	NEWTON	DEG	KELVIN	PASCAL	KG/CM	-	DEG	-	-	-
63	AN-1	20.8	2100.	54.0	103.8	1554.	0.0	286.0	99188.	1.206	0.2417	2.939	0.0580	0.0617	0.6780
64	AN-2	20.8	2400.	61.2	161.6	2123.	0.0	286.5	99300.	1.205	0.2397	3.078	0.0605	0.0646	0.7738
65	AN-3	20.8	2700.	69.5	237.8	2702.	0.0	287.9	99410.	1.200	0.2419	2.921	0.0628	0.0652	0.8688
67	AN-4	20.8	2400.	77.2	73.6	642.	0.0	290.3	99441.	1.189	0.3023	-1.155	0.0279	0.0198	0.7809
66	AN-5	20.8	2700.	77.0	184.6	1907.	0.0	289.4	99480.	1.194	0.2680	1.134	0.0490	0.0463	0.8720
68	AN-7	20.8	2189.	77.2	21.8	-78.	0.0	291.0	99438.	1.186	0.3315	-3.044	0.0109	-0.0029	0.7174
58	BN-1	19.9	1800.	34.2	76.5	1623.	0.0	287.1	99141.	1.200	0.1786	6.507	0.0682	0.0881	0.5727
57	BN-2	19.9	2100.	40.2	123.8	2270.	0.0	287.2	99288.	1.201	0.1799	6.410	0.0694	0.0905	0.6682
56	BN-3	19.9	2400.	45.4	192.5	3055.	0.0	287.1	99211.	1.201	0.1778	6.564	0.0723	0.0933	0.7635
54	BN-4	19.9	2100.	51.2	95.9	1520.	0.0	288.7	99262.	1.194	0.2292	2.910	0.0541	0.0609	0.6729
53	BN-5	19.9	2400.	51.5	171.9	2599.	0.0	289.3	99090.	1.190	0.2017	4.848	0.0652	0.0801	0.7639
51	BN-6	19.9	2700.	77.2	152.1	1500.	0.0	287.0	98625.	1.194	0.2687	0.186	0.0404	0.0364	0.8758
52	BN-61	19.9	2800.	76.8	192.1	1942.	0.0	289.0	98954.	1.189	0.2578	0.930	0.0459	0.0440	0.9027
55	BN-7	19.9	1465.	51.5	3.4	-98.	0.0	287.3	99273.	1.201	0.3304	-3.875	0.0056	-0.0080	0.4831
104	CN-1	23.7	1800.	38.3	103.5	1981.	0.0	287.5	100074.	1.210	0.2000	8.769	0.0915	0.1067	0.5745
103	CN-2	23.7	2100.	45.1	170.7	2756.	0.0	287.5	100055.	1.210	0.2019	8.636	0.0950	0.1091	0.6705
101	CN-3	23.7	1800.	51.5	80.1	1255.	0.0	287.1	100082.	1.212	0.2689	3.975	0.0707	0.0675	0.5838
100	CN-4	23.7	2100.	51.2	157.0	2359.	0.0	286.6	100069.	1.214	0.2292	6.710	0.0871	0.0930	0.6754
99	CN-7	23.7	2250.	51.2	207.8	3011.	0.0	287.3	100070.	1.211	0.2139	7.783	0.0939	0.1037	0.7204
98	CN-5	23.7	2400.	67.3	208.9	2525.	0.0	287.0	100125.	1.213	0.2636	4.338	0.0777	0.0763	0.7775
102	CN-6	23.7	1294.	51.0	6.0	5.	0.0	287.2	100110.	1.212	0.3704	-2.585	0.0142	0.0005	0.4321
97	DN-1	29.0	1800.	43.9	154.4	2422.	0.0	287.0	100090.	1.212	0.2292	12.005	0.1362	0.1302	0.5785
93	DN-2	29.0	1800.	51.3	142.3	2123.	0.0	285.6	100088.	1.219	0.2679	9.345	0.1248	0.1135	0.5852
92	DN-5	29.0	1950.	51.1	193.6	2756.	0.0	285.4	100080.	1.219	0.2463	10.820	0.1335	0.1255	0.6309
91	DN-3	29.0	2100.	67.4	210.7	2491.	0.0	286.0	100084.	1.217	0.3017	7.089	0.1166	0.0980	0.6883
96	DN-4	29.0	1069.	51.3	5.1	20.	0.0	286.8	100109.	1.214	0.4510	-2.022	0.0215	0.0030	0.3675

4. Overall Noise Levels from Direct Analog Analysis

The following tables provide unweighted (OASPL) and A-weighted (L_A) overall sound pressure levels from quick-look analog data-analysis of measured data for all data-points and microphone positions respectively. Level-numbers which are identified with an asterix are "disturbed data" and should not be interpreted.

BASIC PROGRAM, ROUND-TIP PROP. (1)

DNW PROPELLER NOISE TEST

Run No.	Data Point		In-Flow Noise Level M1	M2	M3	M4	M5	M6	M7	M8	M9
63	AN-1	L_A-dB(A)	91.0	94.8	95.7	97.0	97.7	--	99.7*	104.6*	98.9
		OASPL-dB	104.2	109.8*	109.7	111.0	112.8	--	112.2*	116.4*	112.4
64	AN-2	L_A-dB(A)	99.5	104.2	106.5	107.3	108.1	--	103.7*	107.4	106.4
		OASPL-dB	110.5	114.6	115.2	116.8	118.3	--	114.7*	118.6	117.3
65	AN-3	L_A-dB(A)	110.0*	118.3	119.5	120.4	119.6	--	116.2*	119.0	119.4
		OASPL-dB	117.7	124.9*	123.4	124.7	124.9	--	129.1*	124.1	124.8
67	AN-4	L_A-dB(A)	107.3*	107.4*	106.4	107.0	107.6	--	124.9*	108.3*	107.1
		OASPL-dB	116.6*	121.0*	116.7	118.2*	118.4	--	138.0*	126.1	124.8*
66	AN-5	L_A-dB(A)	111.5*	119.1*	119.2	119.8	118.7	--	123.5*	118.3	118.6
		OASPL-dB	120.1*	127.9*	123.2	124.7	124.2	--	137.3*	126.0*	126.5*
68**	AN-7	L_A-dB(A)	105.3*	104.5*	101.3	104.4*	105.1	--	124.8*	106.4*	104.5
		OASPL-dB	114.3*	121.0*	115.8	118.2*	117.3	--	137.6*	126.2	124.9*
58	BN-1	L_A-dB(A)	84.1	85.0	86.1	86.9	87.8	--	86.7	84.2	88.1
		OASPL-dB	99.4	102.4	104.1	105.2	106.6	--	105.9	104.4	107.4
57	BN-2	L_A-dB(A)	89.0	93.9	96.0	96.9	97.2	--	93.1	94.2	97.8
		OASPL-dB	104.5	108.7	110.1	111.5	113.0	--	112.3	108.7	112.0
56	BN-3	L_A-dB(A)	97.9	104.3	107.0	107.7	108.8	--	101.0	105.7	107.2
		OASPL-dB	110.1	114.0	115.8	117.2	119.2	--	117.6	115.2	116.9
54	BN-4	L_A-dB(A)	90.2	93.5	94.8	96.0	96.5	--	97.9*	101.0*	97.2
		OASPL-dB	103.6	109.3*	109.2	110.1	111.8	--	111.9*	115.2	111.3
53	BN-5	L_A-dB	97.3	103.4	106.3	106.5	107.8	--	101.9*	106.4*	106.1
		OASPL-dB	108.6	113.9*	115.4	116.6	118.6	--	117.1*	117.4	116.6
51	BN-6	L_A-dB(A)	111.1*	119.3*	119.3	119.4	118.4	--	114.5*	117.4	118.9
		OASPL-dB	120.1*	127.6*	123.3	123.9	123.5	--	138.0*	125.2*	126.6
52	BN-61	L_A-dB(A)	112.8*	123.1*	124.7	124.7	123.2	--	126.1*	122.3	123.8
		OASPL-dB	120.1*	130.6*	127.0	127.5	126.8	--	139.4*	126.4	128.3
55**	BN-7	L_A-dB(A)	87.9	88.7	88.7	89.6	92.0	--	94.2*	99.6*	95.1
		OASPL-dB	97.1	105.9*	99.4	100.6	105.3	--	106.7*	114.0*	108.7*

*Higher "R" values
**Windmilling

Linear- and A-weighted Overall Noise Levels from Analog Data Analysis

BASIC PROGRAM, ROUND-TIP PROP. (2)

DNW PROPELLER NOISE TEST

Run No.	Data Point		In-Flow Noise Level M1	M2	M3	M4	M5	M6	M7	M8	M9
104	CN-1	L_A-dB(A)	87.1	88.8	89.9	90.6	90.8	89.8	88.7	88.4	91.2
		OASPL-dB	103.1	106.2*	107.0	108.6	109.4	108.0	105.4	108.5	108.8
103	CN-2	L_A-dB(A)	91.8	96.5	98.9	100.2	100.4	98.8	95.0	98.4	98.8
		OASPL-dB	105.6	111.6	113.3	115.1	116.1	115.5	112.3	113.0	112.8
101	CN-3	L_A-dB(A)	88.9	91.1*	91.6	91.2	92.6	91.5	92.2*	100.0*	94.7
		OASPL-dB	102.1	110.3*	105.7	107.4	109.0	107.5	105.5*	114.5*	110.6
100	CN-4	L_A-dB(A)	91.7	96.3	97.8	99.1	99.5	98.1	95.1	101.3*	98.9
		OASPL-dB	106.4	111.6*	112.0	113.6	114.9	114.6	113.0	115.9*	113.2
99	CN-7	L_A-dB(A)	95.4	100.8	103.4	104.8	105.4	103.3	99.7*	105.5	103.6
		OASPL-dB	109.6	115.5	116.4	117.5	118.2	117.0	115.7*	119.2*	116.2
98	CN-5	L_A-dB(A)	102.1*	105.6	107.9	109.1	109.8	106.7	98.[illegible]*	109.4	108.0
		OASPL-dB	112.4	117.1*	116.7	119.0*	120.5	119.8	111.[illegible]	120.9	120.3
102**	CN-6	L_A-dB(A)	88.2	89.0*	90.4	89.1	91.2	89.8*	91.1*	102.0*	93.8
		OASPL-dB	97.5	106.1*	98.4	100.6*	104.6	102.7*	100.6	113.1*	107.8
97	DN-1	L_A-dB(A)	93.8	94.7	95.6	96.2	96.4	95.5	94.8	94.2	97.0
		OASPL-dB	105.1	109.7*	109.8	111.6	112.9	112.3	109.9	111.7	113.3
93	DN-2	L_A-dB(A)	91.3	93.3	93.9	94.6	95.6	94.6	96.0*	99.7*	97.0
		OASPL-dB	105.6	110.2*	110.4	112.2	113.5	112.2	109.3*	115.3	113.1
92	DN-5	L_A-dB(A)	94.4	97.0	98.3	98.7	99.4	98.8	99.1	100.2*	99.7
		OASPL-dB	105.8	111.7*	112.6	114.9	116.5	116.4	112.2	116.5*	115.7
91	DN-3	L_A-dB(A)	97.2*	101.3	101.2	103.2	104.6	101.9	109.6*	106.3*	103.8
		OASPL-dB	110.2*	116.7*	115.7	117.7	119.0	117.7	125.0*	120.4*	119.2
96**	DN-4	L_A-dB(A)	88.0	89.9*	90.4	88.7	91.2	90.2	91.2*	98.8	93.8
		OASPL-dB	97.4	110.7*	98.6*	100.8*	105.0	103.0	101.3*	112.9	108.2*

*Higher "R" values
**Windmilling

Linear- and A-weighted Overall Noise Levels from Analog Data-analysis

5. Acoustic Pressure-time Histories and Narrow-band Spectra

Acoustic data as presented in this section have been derived from a computer analysis of digitized analog tape-readings. For each data-point and microphone position respectively the data were processed and are presented in two different ways:

a) A single instantaneous pressure-time history is presented and labeled "Instantaneous Time History" together with a power spectrum which had been calculated as an energy average of individual power spectra corresponding to a certain number of instantaneous pressure-time histories. This spectrum is labeled "Average (xx) Power Spectrum". The "xx" in the lable denotes the number of time histories averaged in that particular spectrum.

b) A certain number of instantaneous pressure-time histories is averaged in the time-domain and the resulting pressure averaged time-history is labeled "Average (xx) Time History". The "xx" in the label denotes the number of averaged instantaneous time-histories.

   The value of ΔP in the brackets behind this label denotes the maximum peak-to-peak pressure amplitude difference in %, when referenced to the minimum peak-to-peak pressure amplitude difference as detected in the "xx" instantaneous time histories. The magnitude of ΔP can be taken as indicator to judge the stationarity (quality) of the respective data-record. If the value of ΔP is in excess of 496% respective data are marked with a triple star (***) to indicate that the data are heavily distorted.

   From the pressure-averaged time-history a pressure level spectrum is calculated and labeled "Power Spectrum of Averaged Time History".

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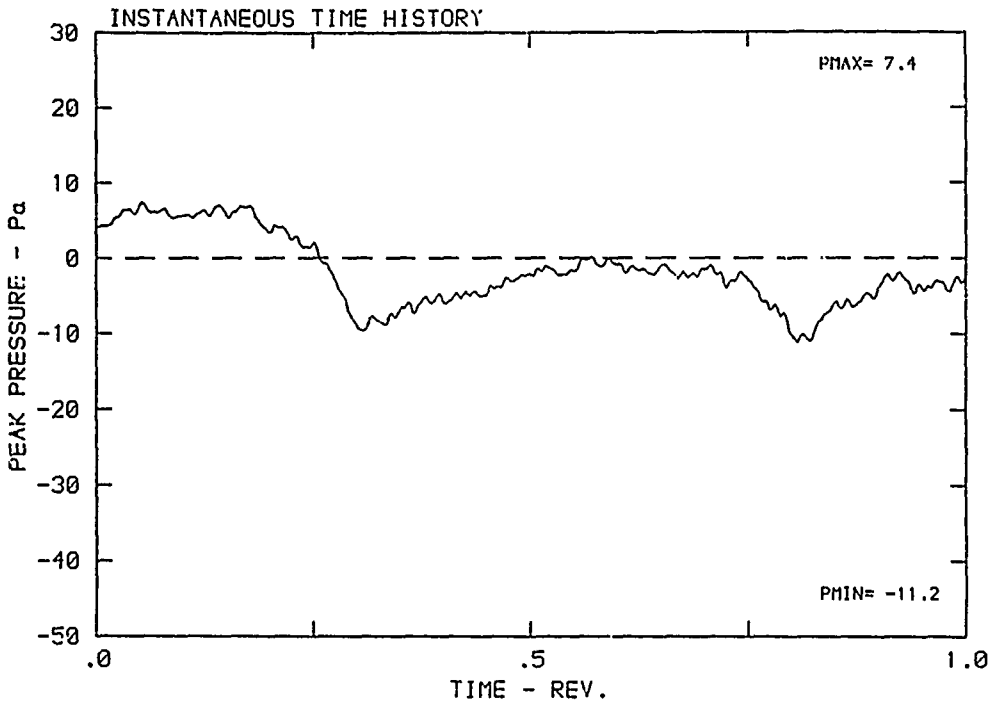
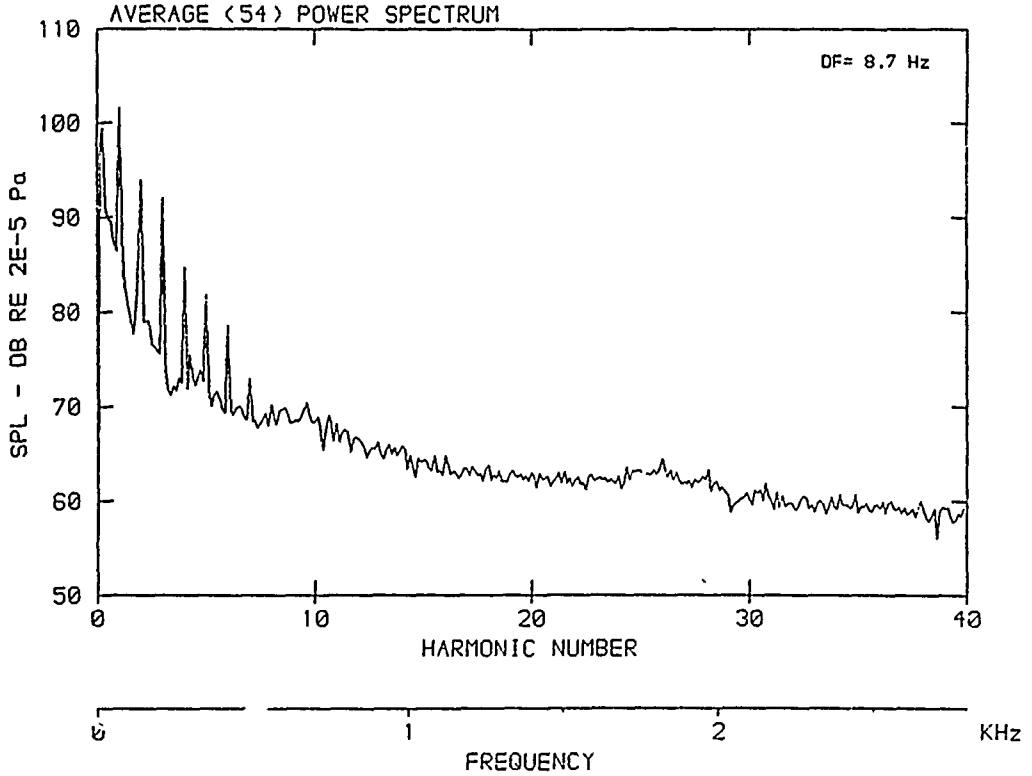
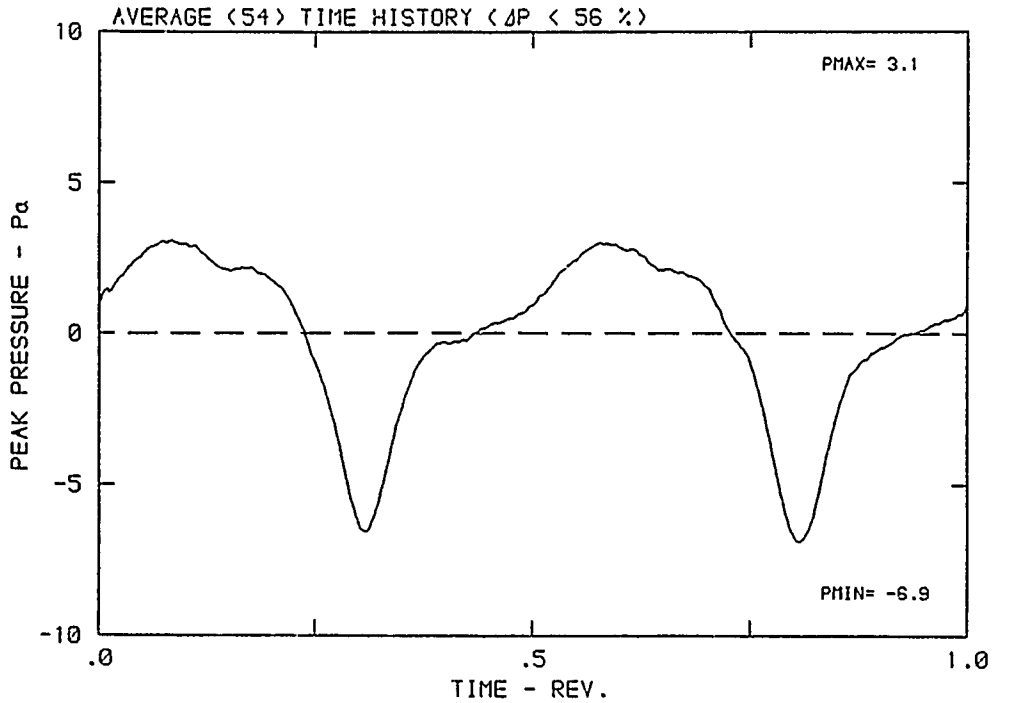
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

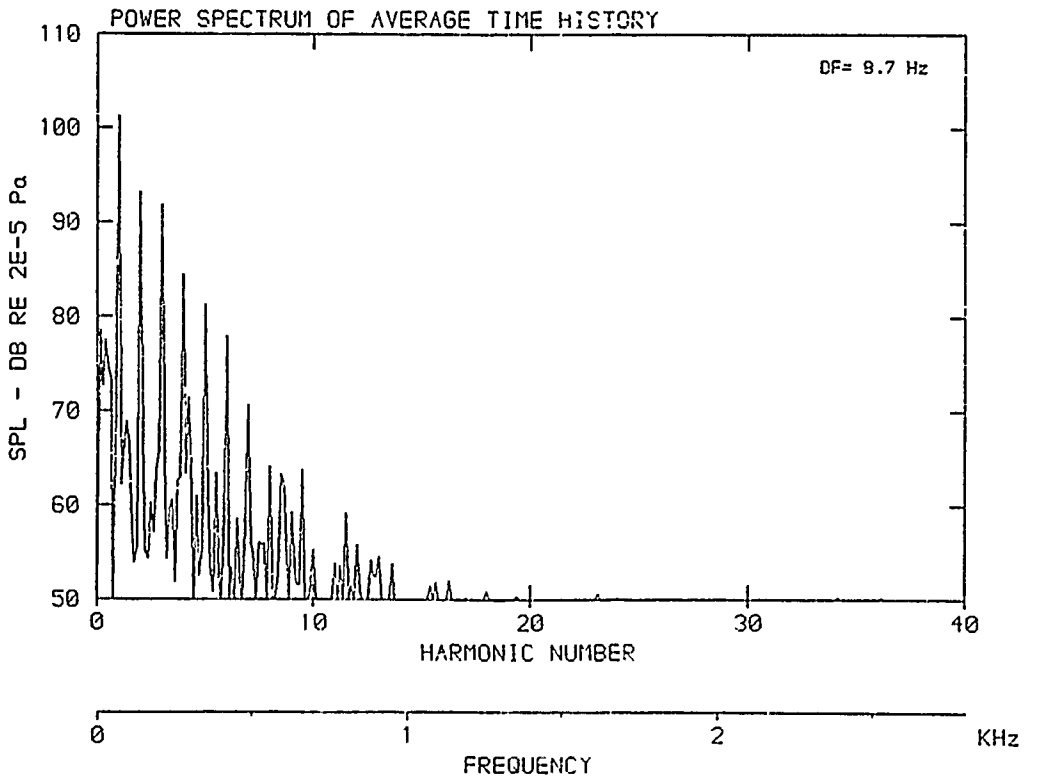




DATA POINT: AN-1 RUN: 63 MP: 1

β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K





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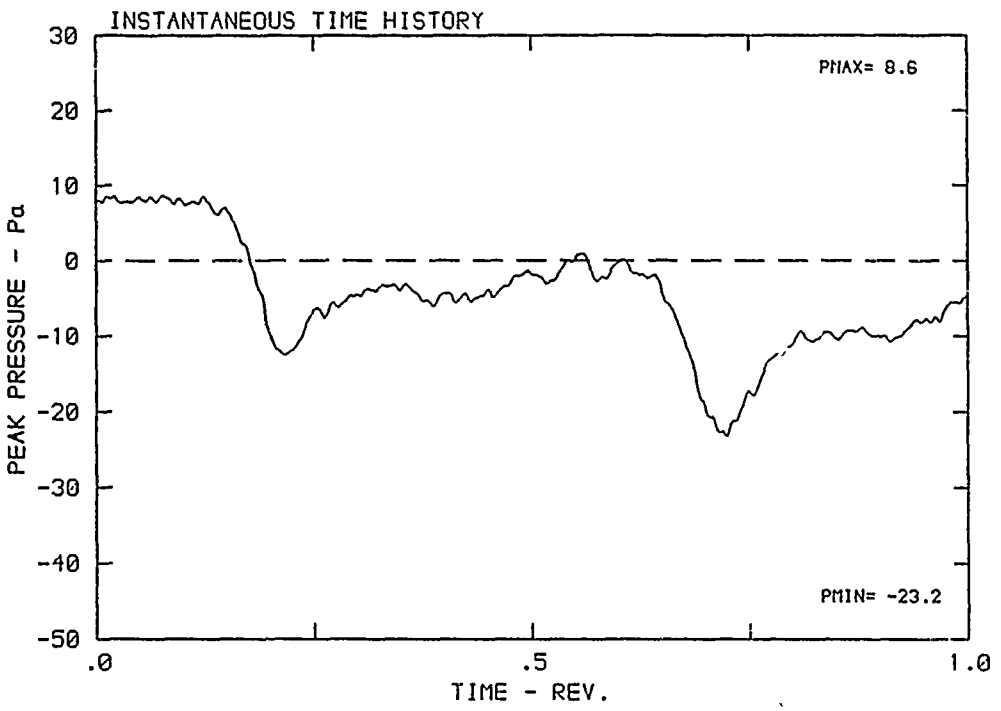
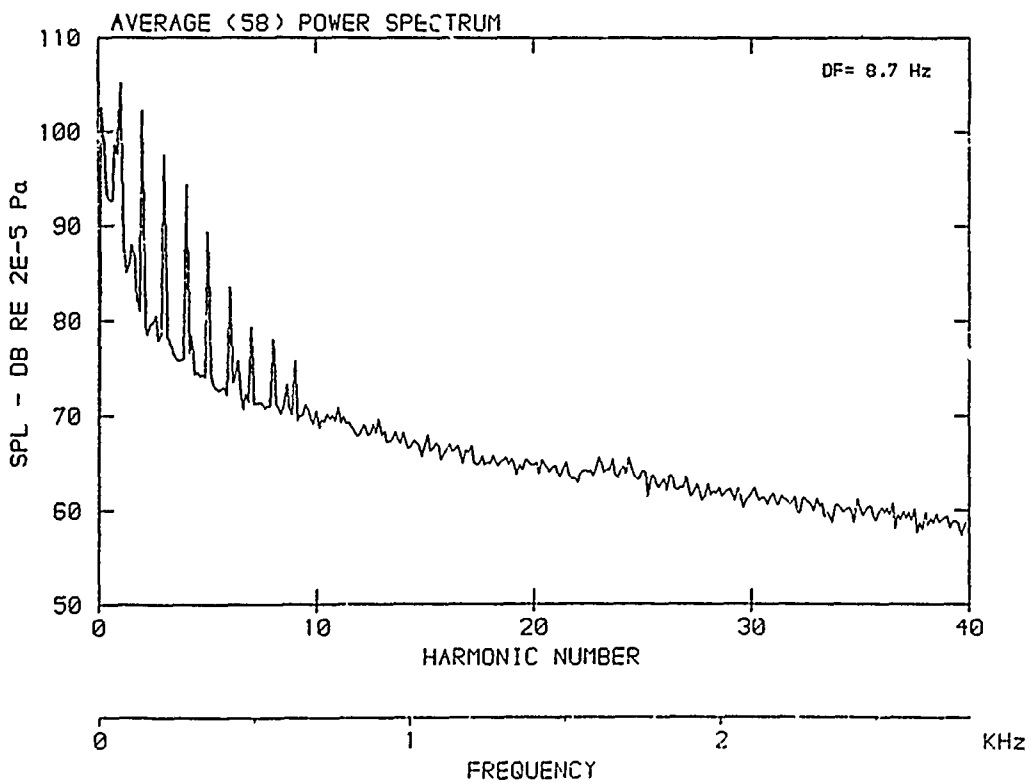
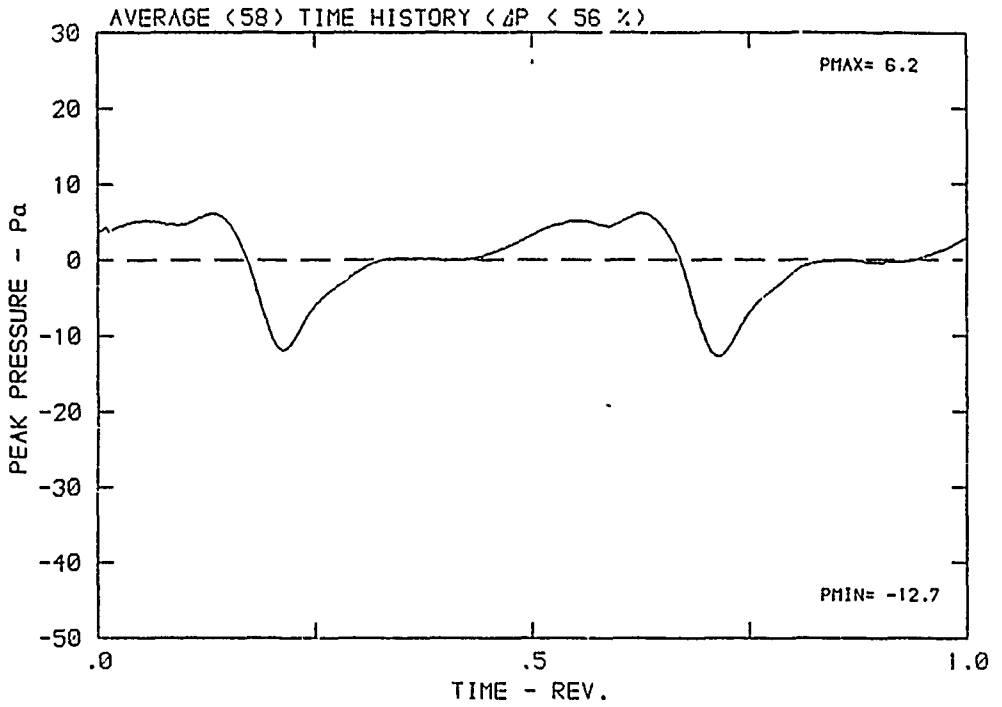
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

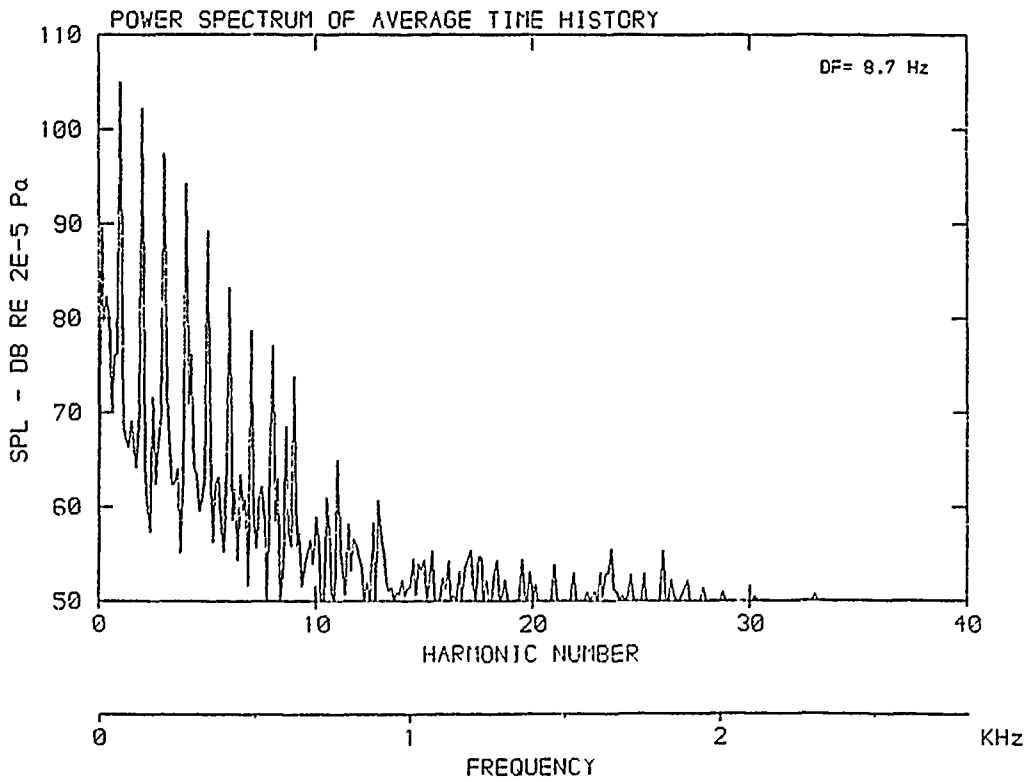




DATA POINT: AN-1 RUN: 63 MP: 2

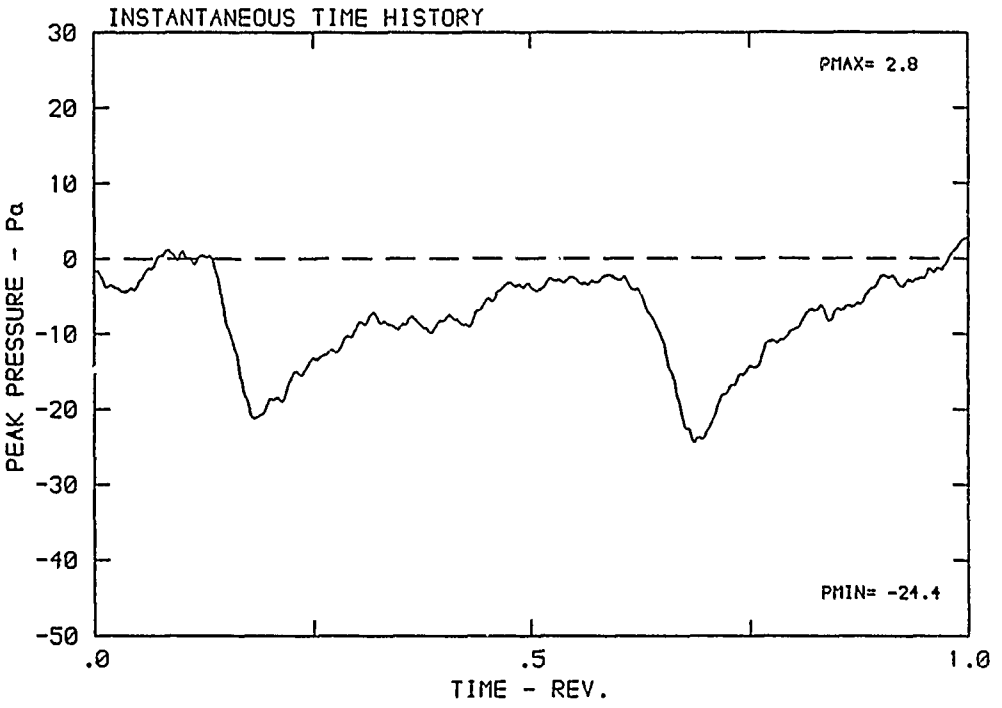
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

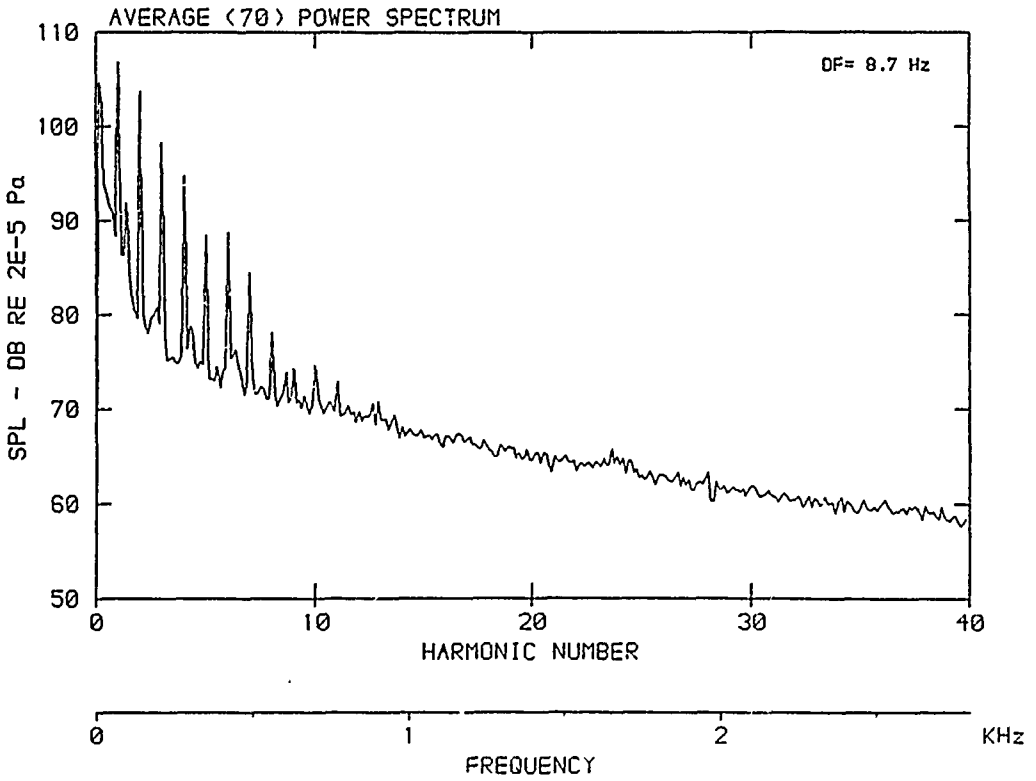




DATA POINT: AN-1 RUN: 63 MP: 3

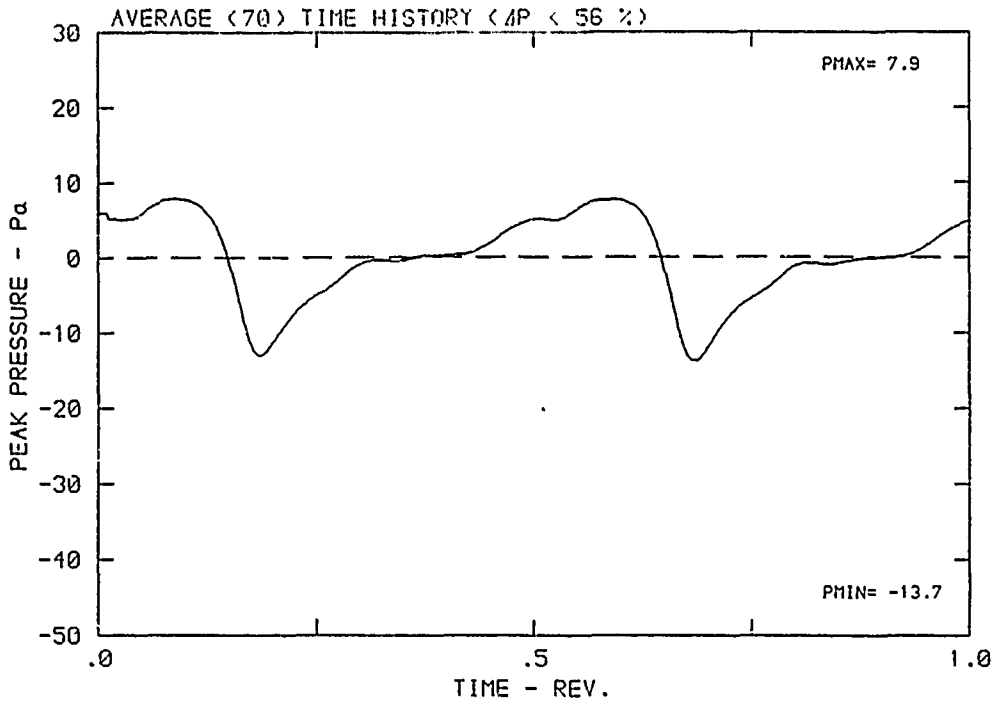
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

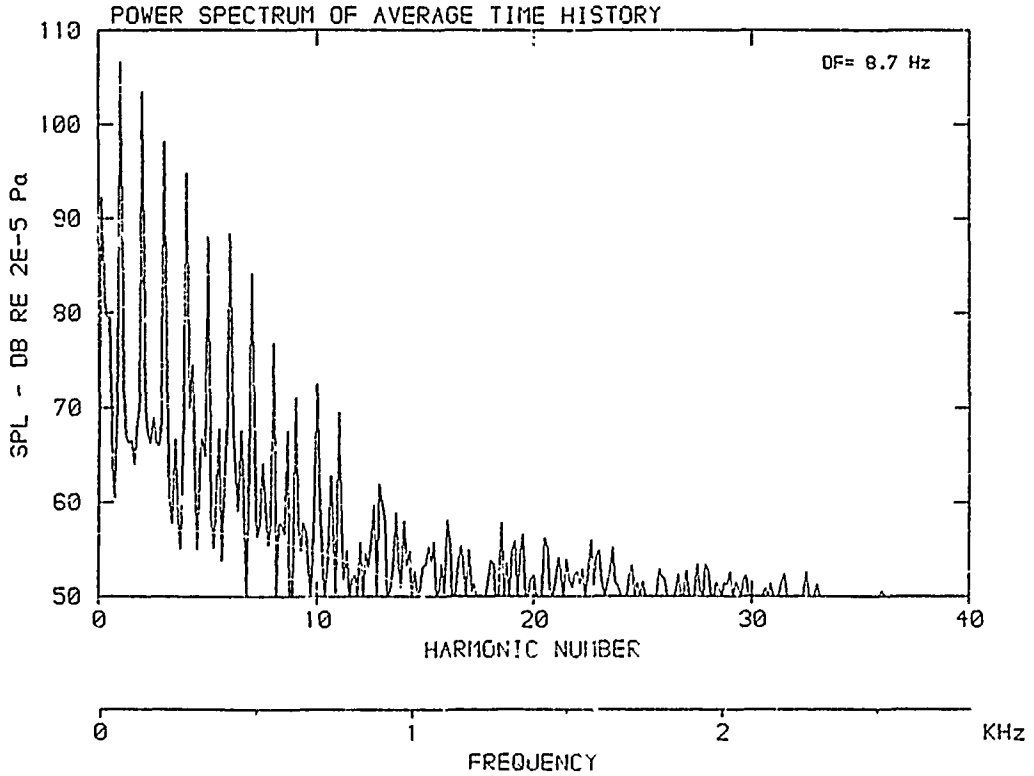




DATA POINT: AN-1	RUN: 63	MP: 3

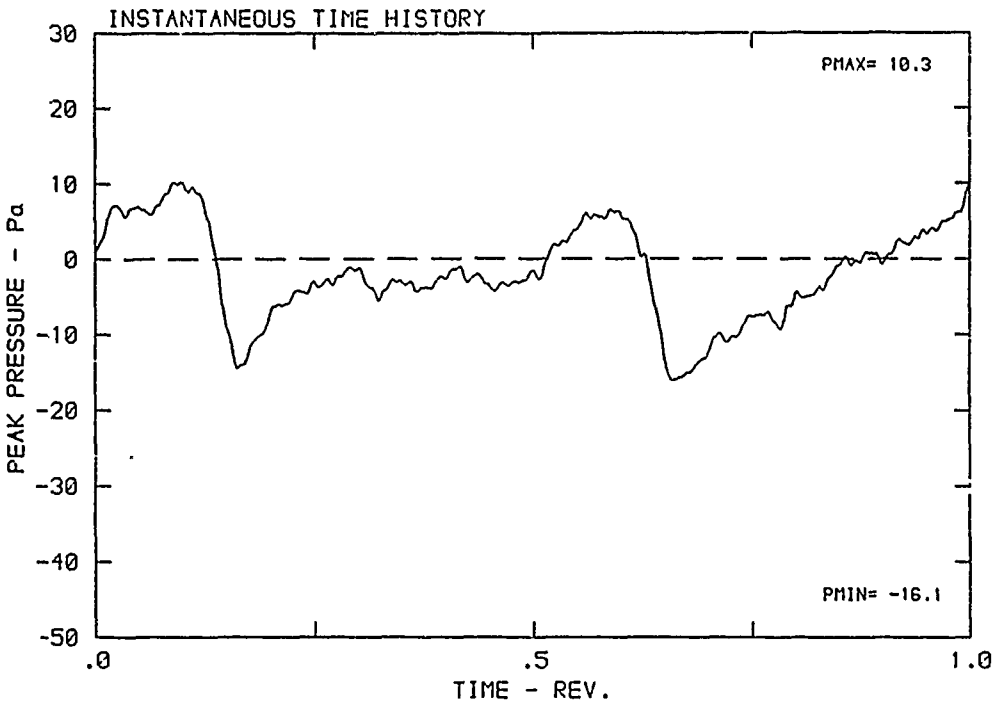
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

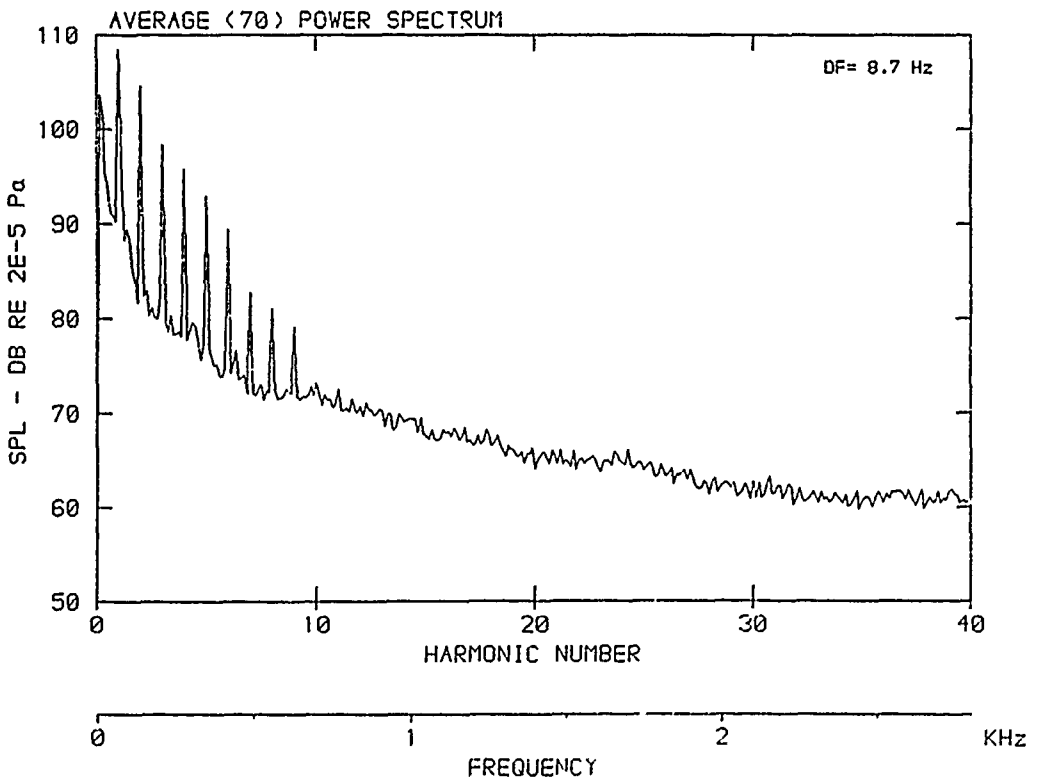




DATA POINT: AN-1 RUN: 63 MP: 4

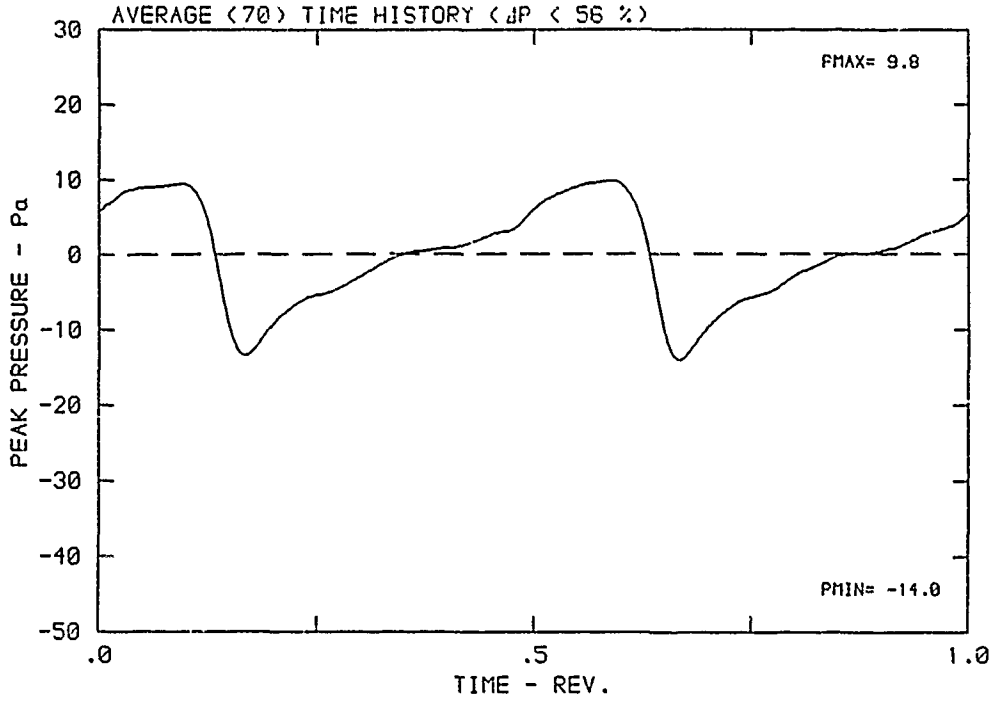
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

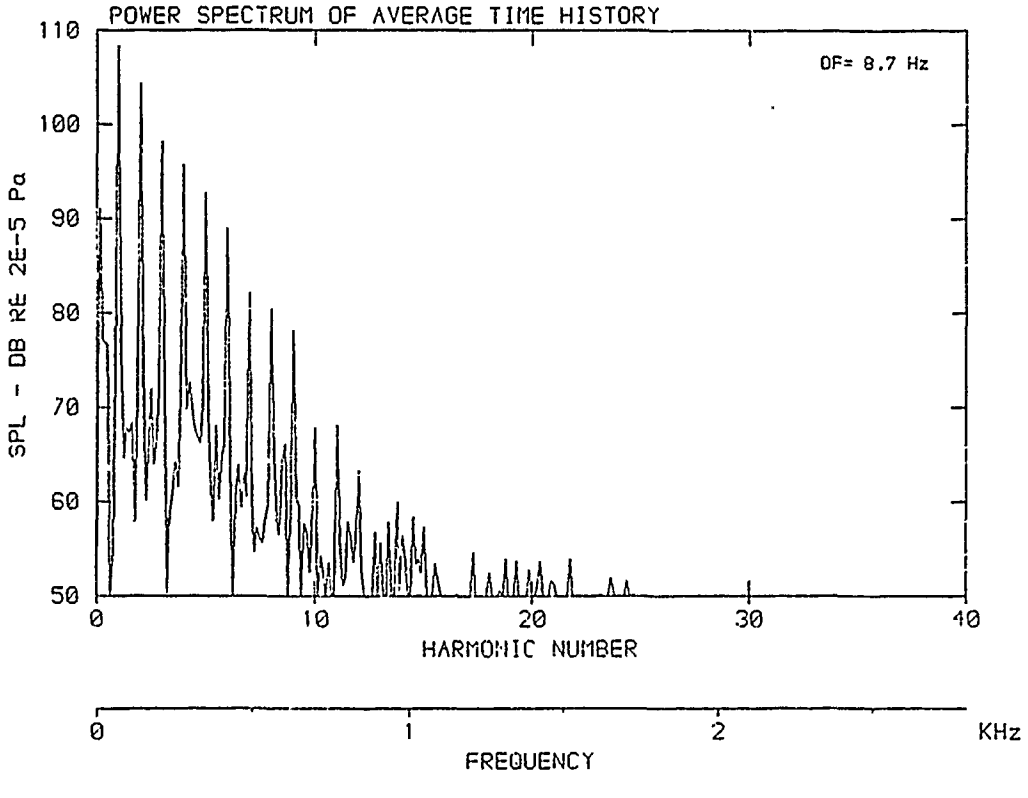




DATA POINT: AN-1	RUN: 63	MP: 4

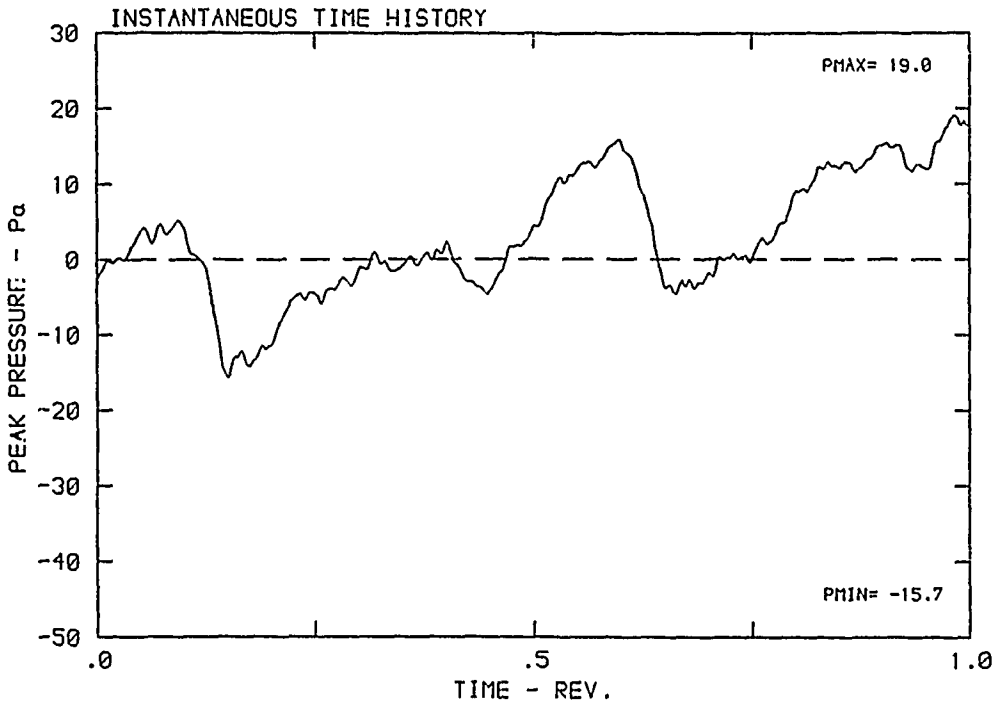
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

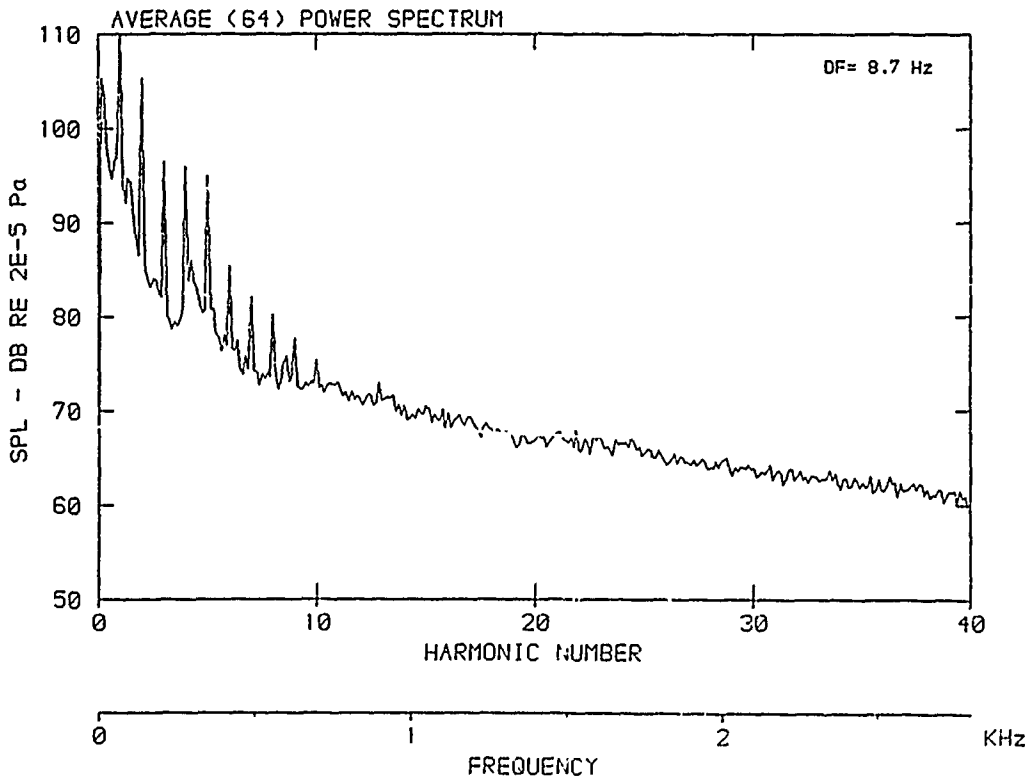




DATA POINT: AN-1	RUN: 63	MP: 5

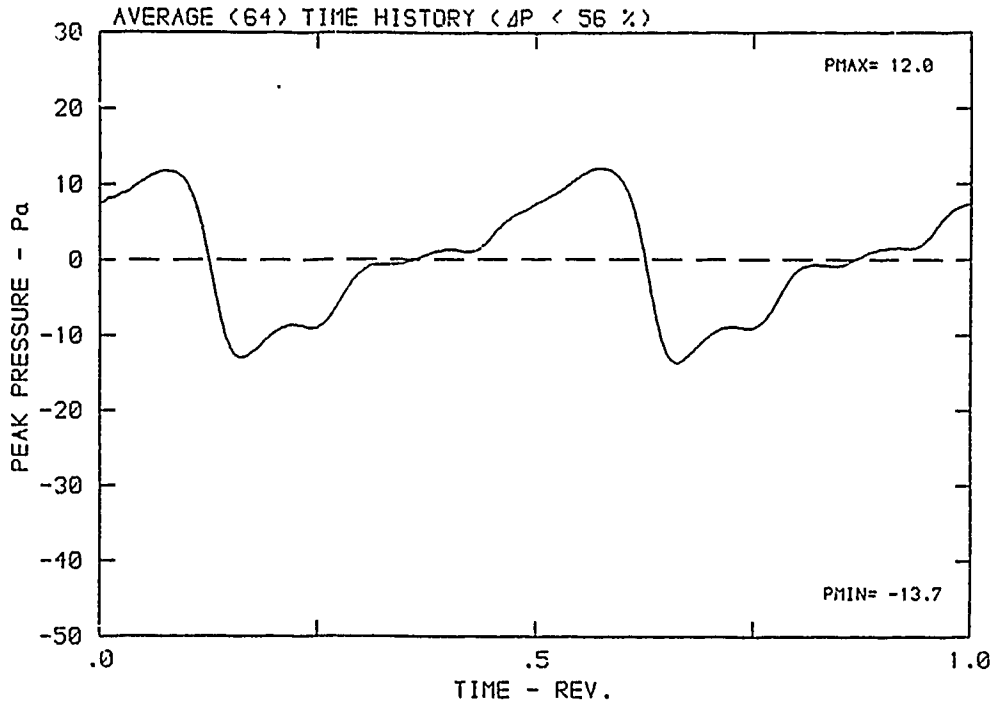
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

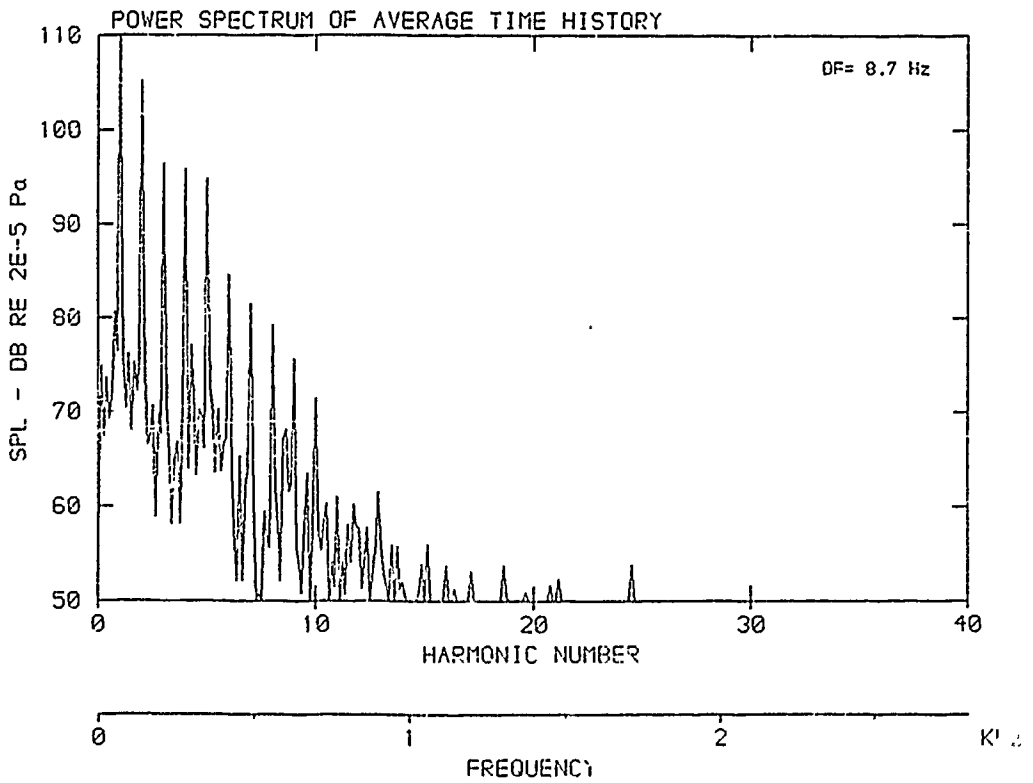




DATA POINT: AN-1 RUN: 63 MP: 5

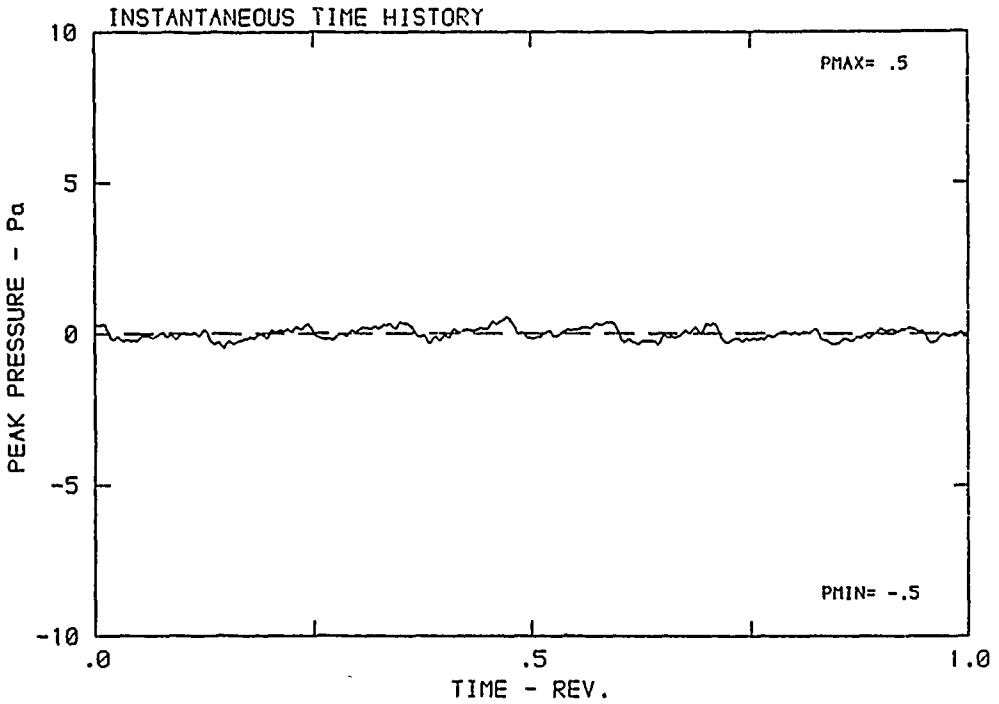
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

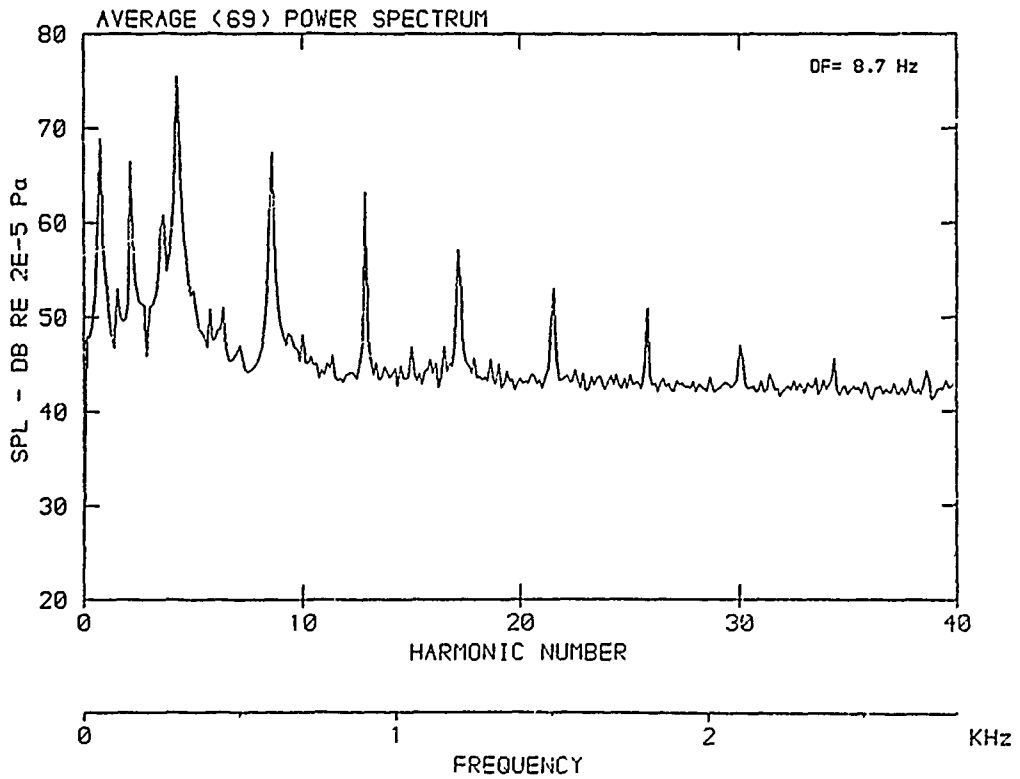




DATA POINT: AN-1 RUN: 63 MP: 6

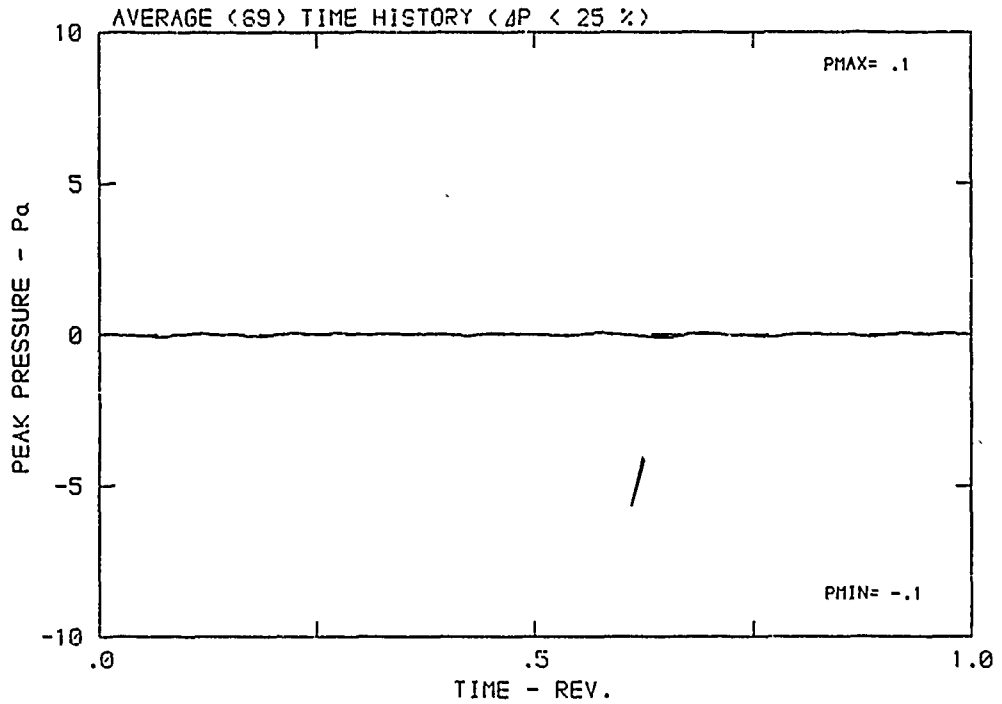
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

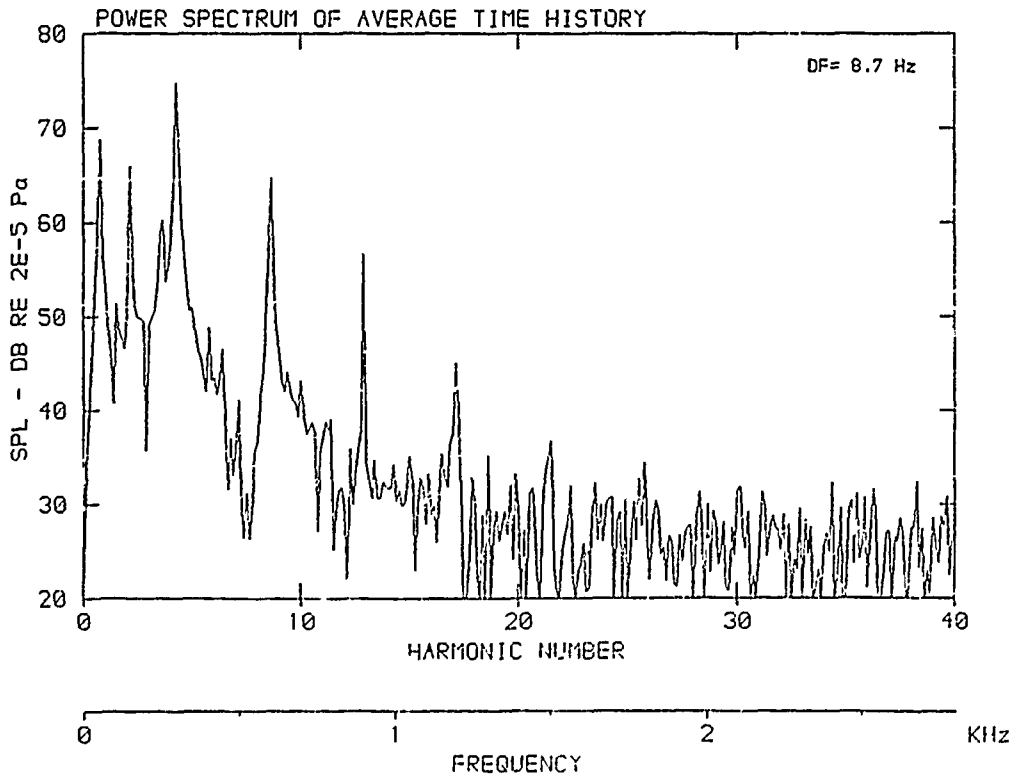




DATA POINT: AN-1 RUN: 63 MP: 6

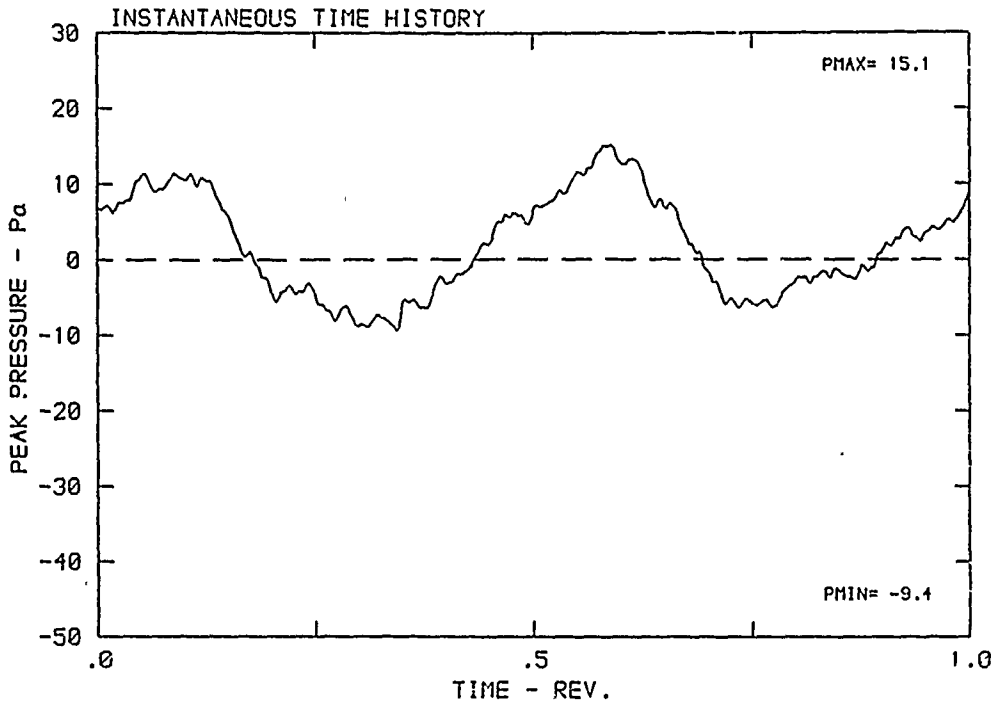
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

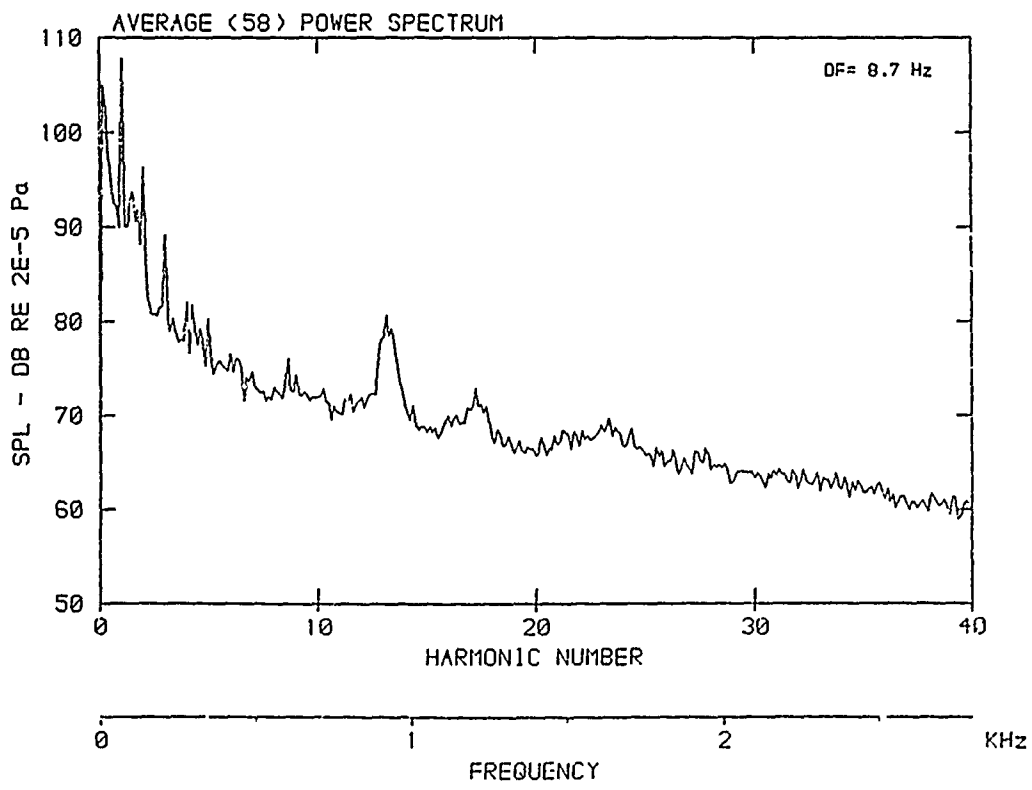




DATA POINT: AN-1 RUN: 63 MP: 7

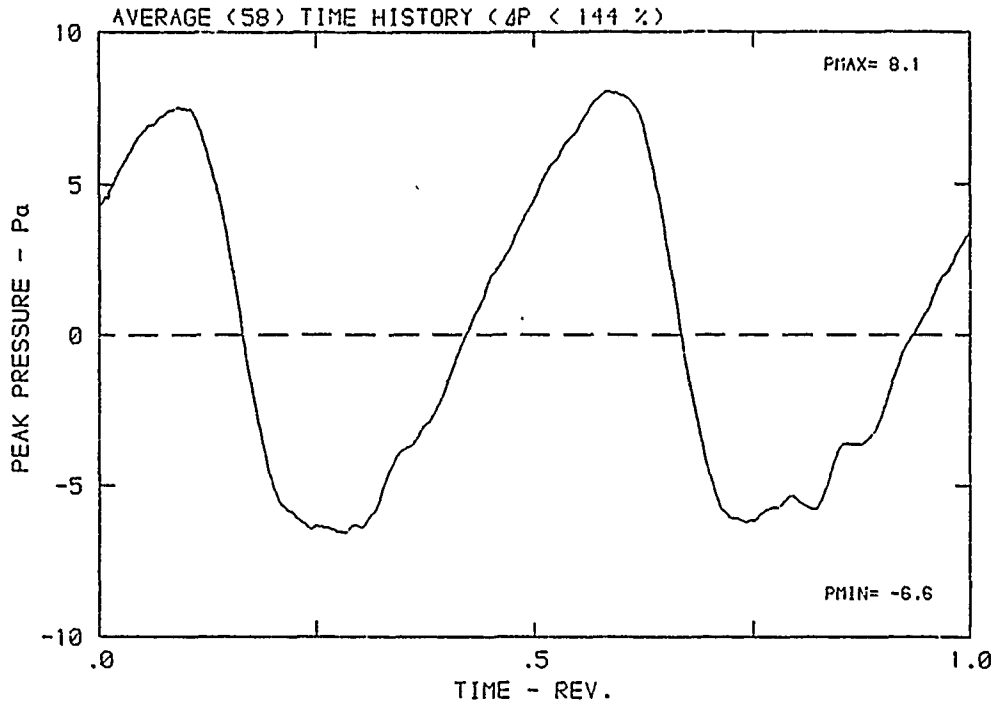
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

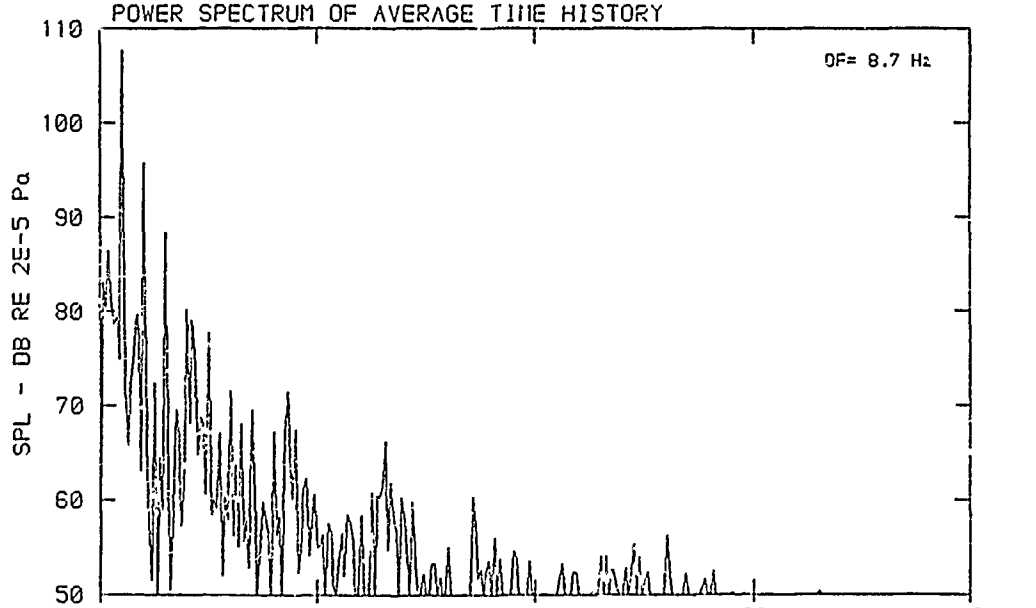




DATA POINT: AN-1	RUN: 63	MP: 7

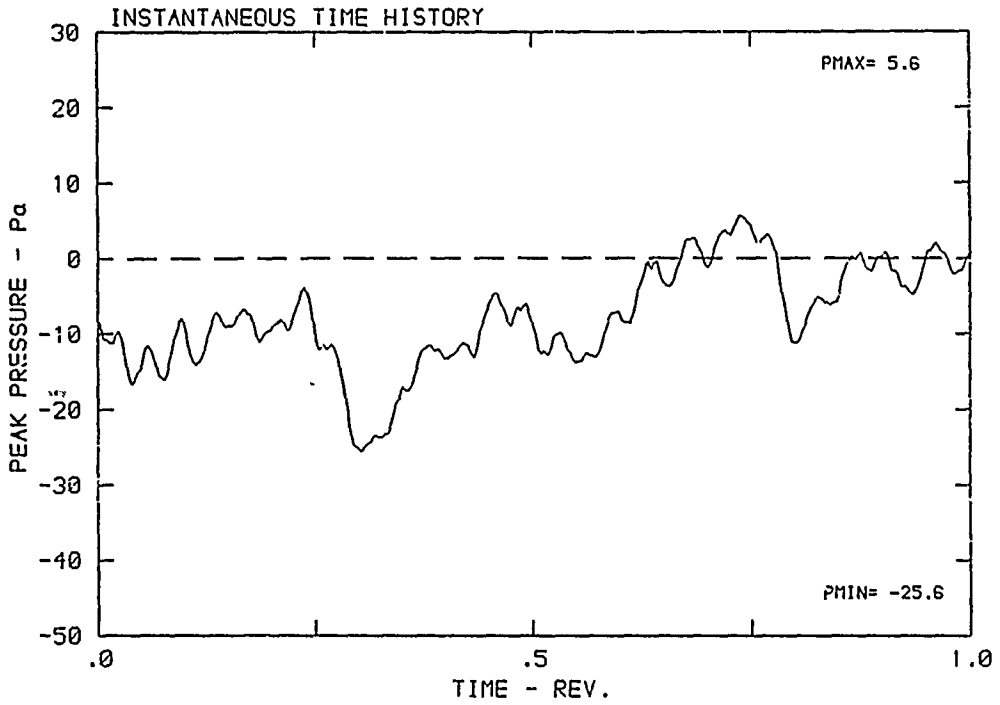
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

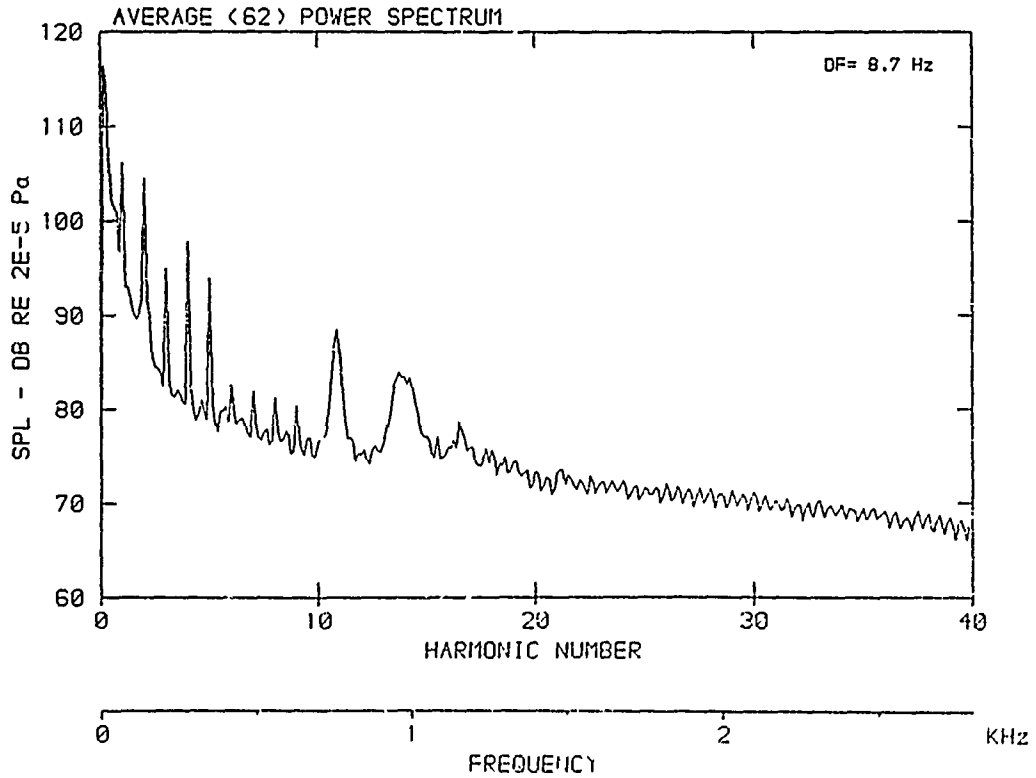




DATA POINT: AN-1 RUN: 63 MP: 9

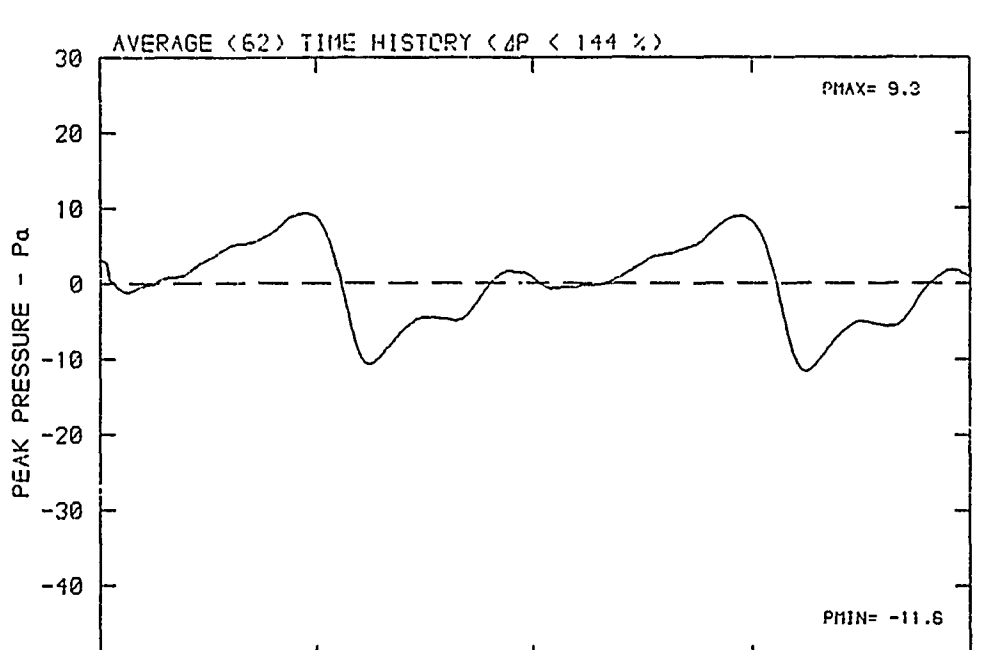
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

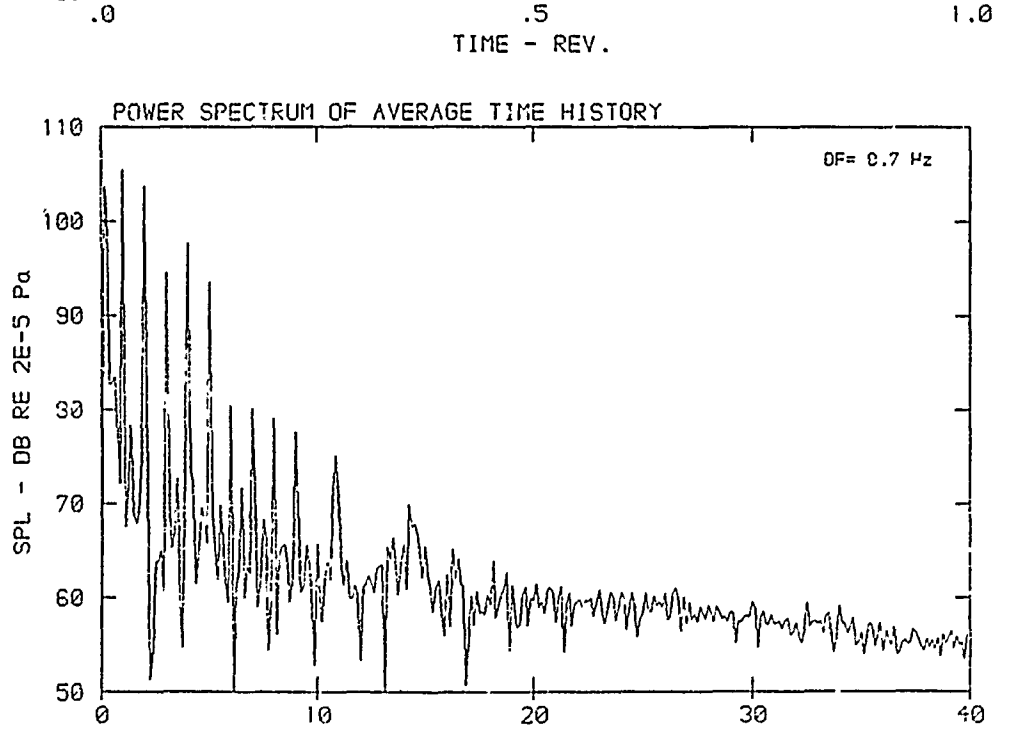




DATA POINT: AN-1 RUN: 63 MP: 9

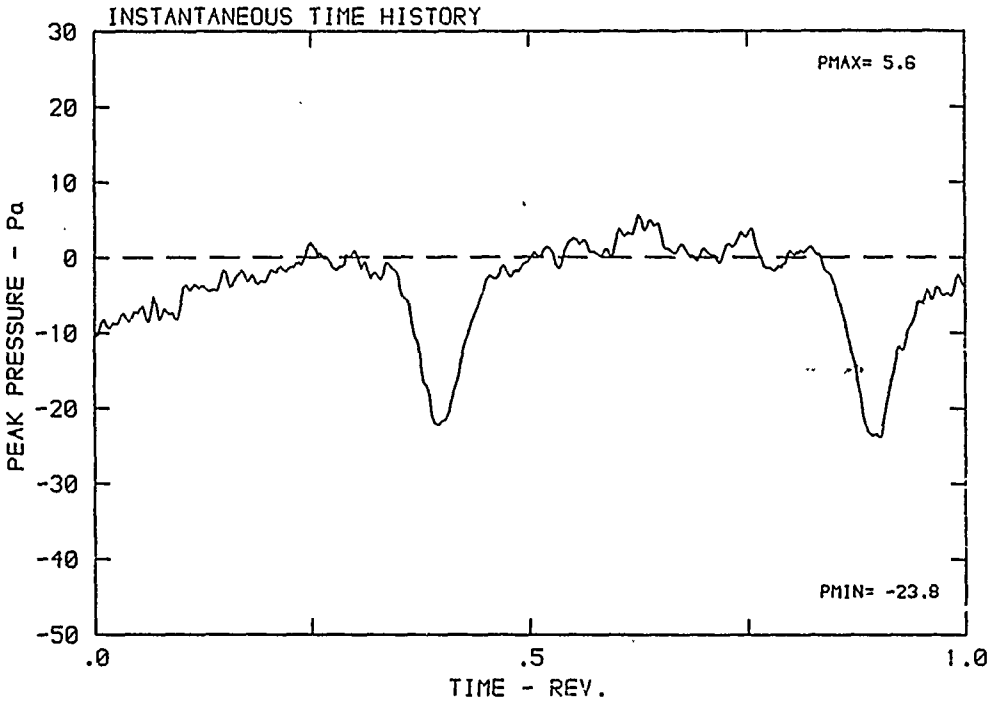
β: 20.8° MH: .6779 n: 2100 rpm v/u: .242 ϕ: .0° T: 286.0 K

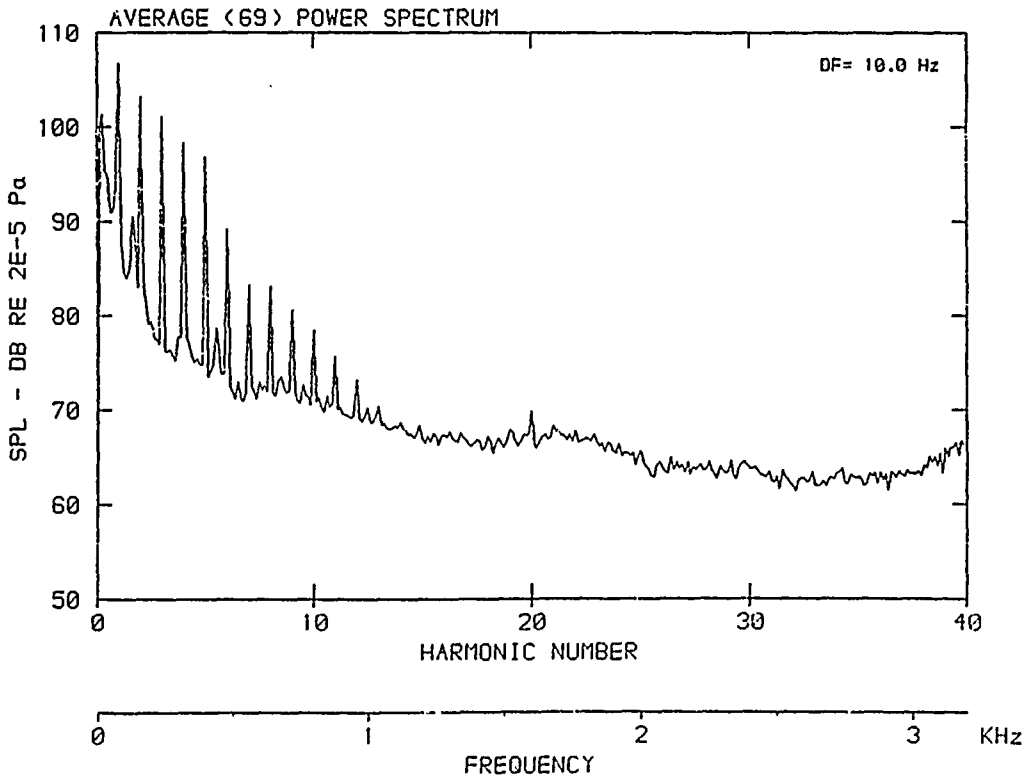




DATA POINT: AN-2 RUN: 64 MP: 1

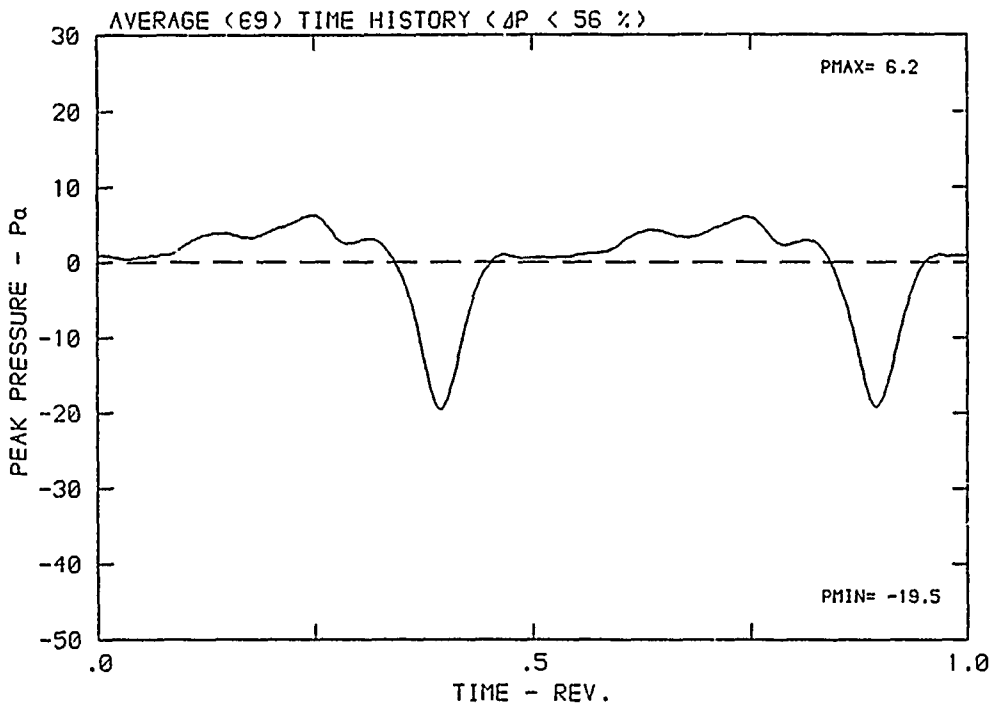
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

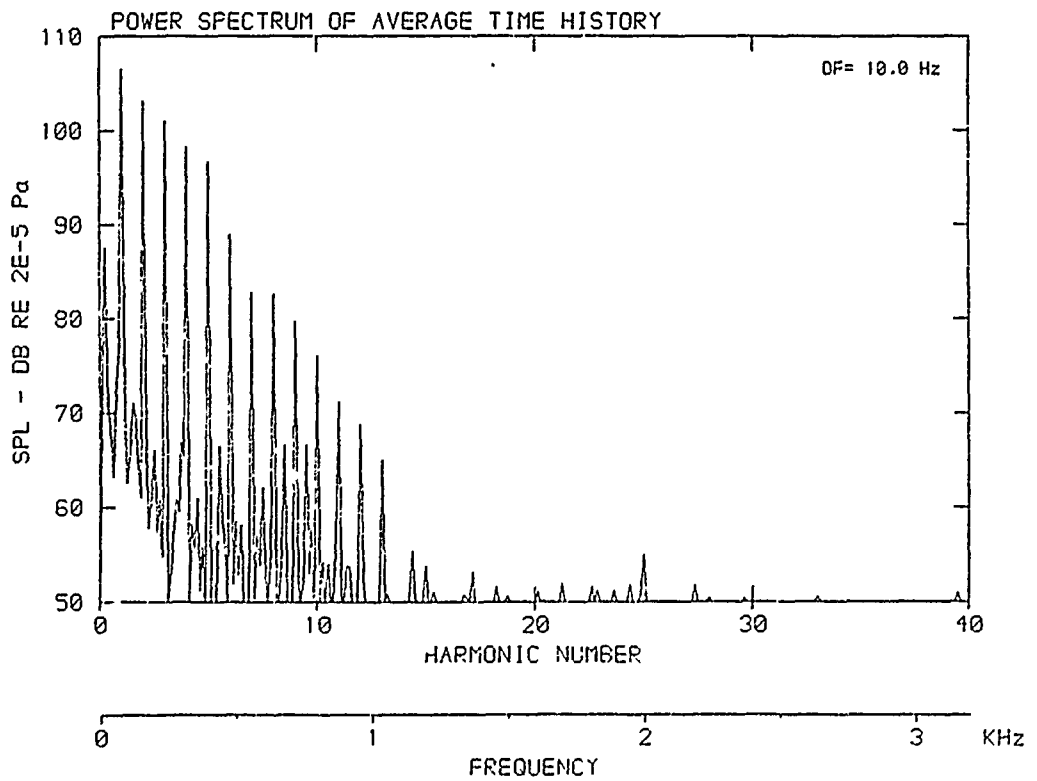




DATA POINT.: AN-2 RUN: 64 MP: 1

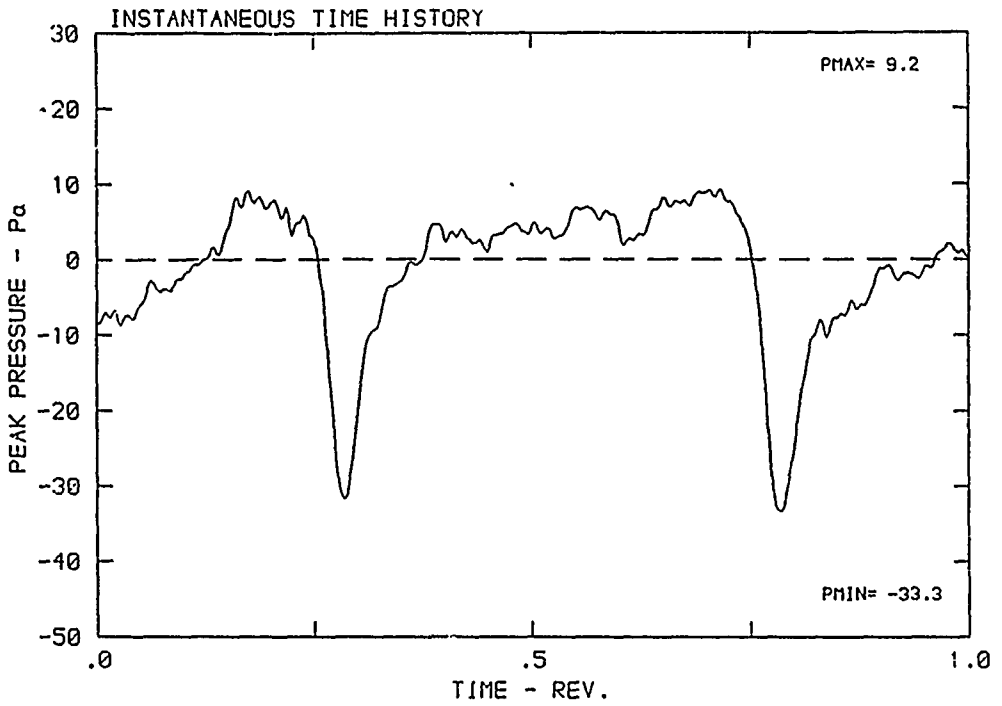
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

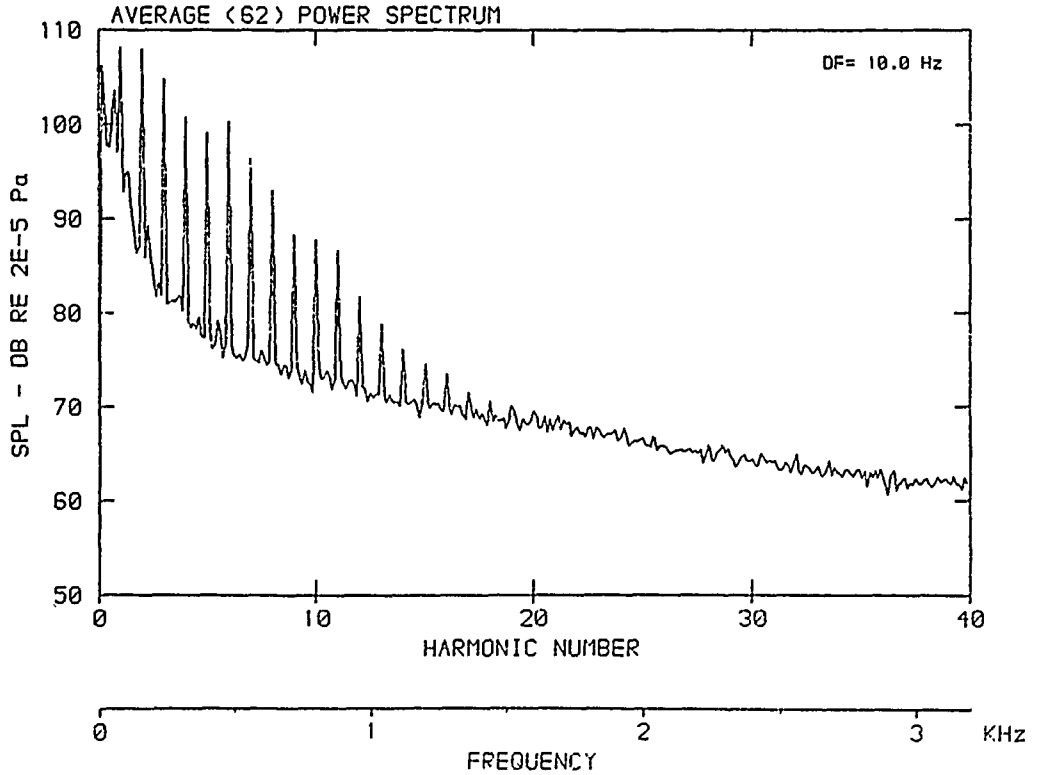




DATA POINT: AN-2 RUN: 64 MP: 2

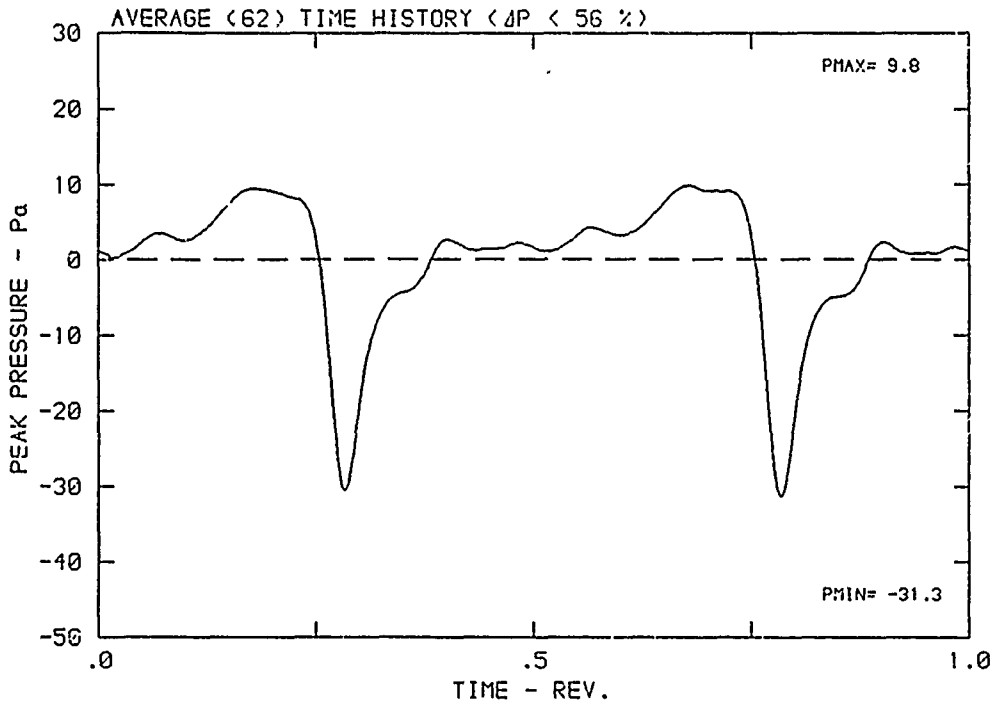
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 285.5 K

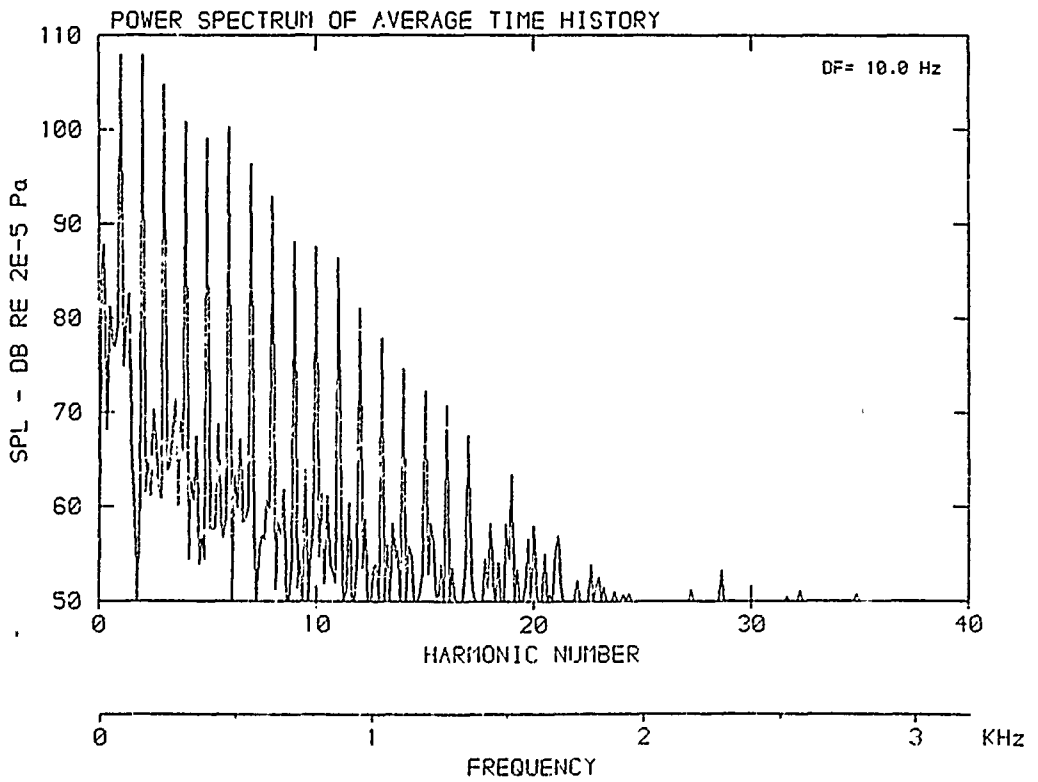




DATA POINT: AN-2 RUN: 64 MP: 2

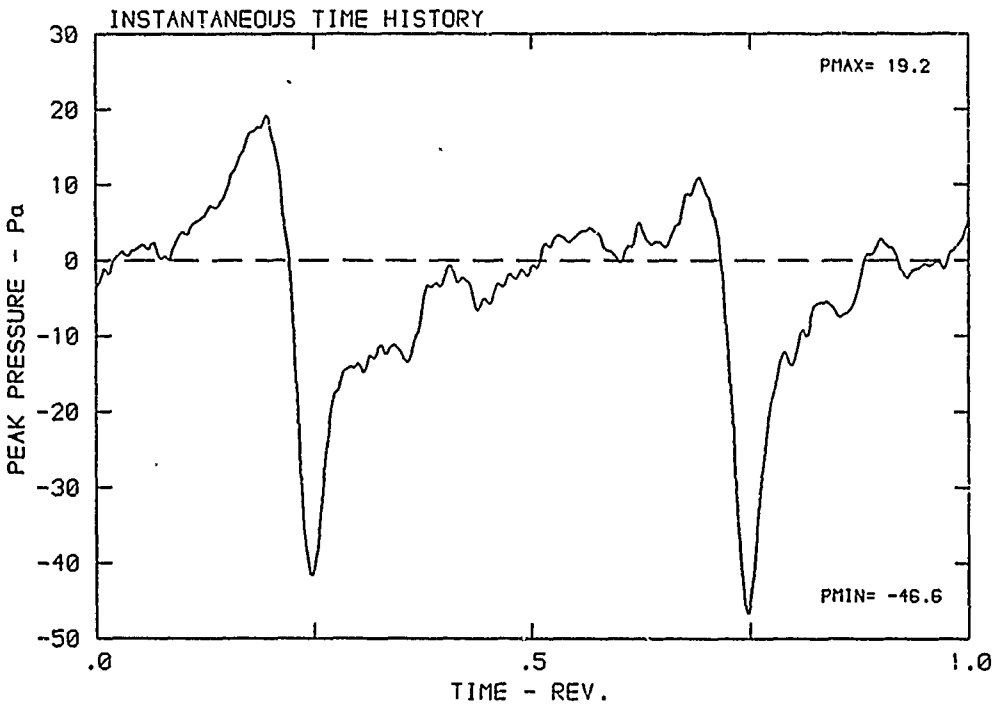
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

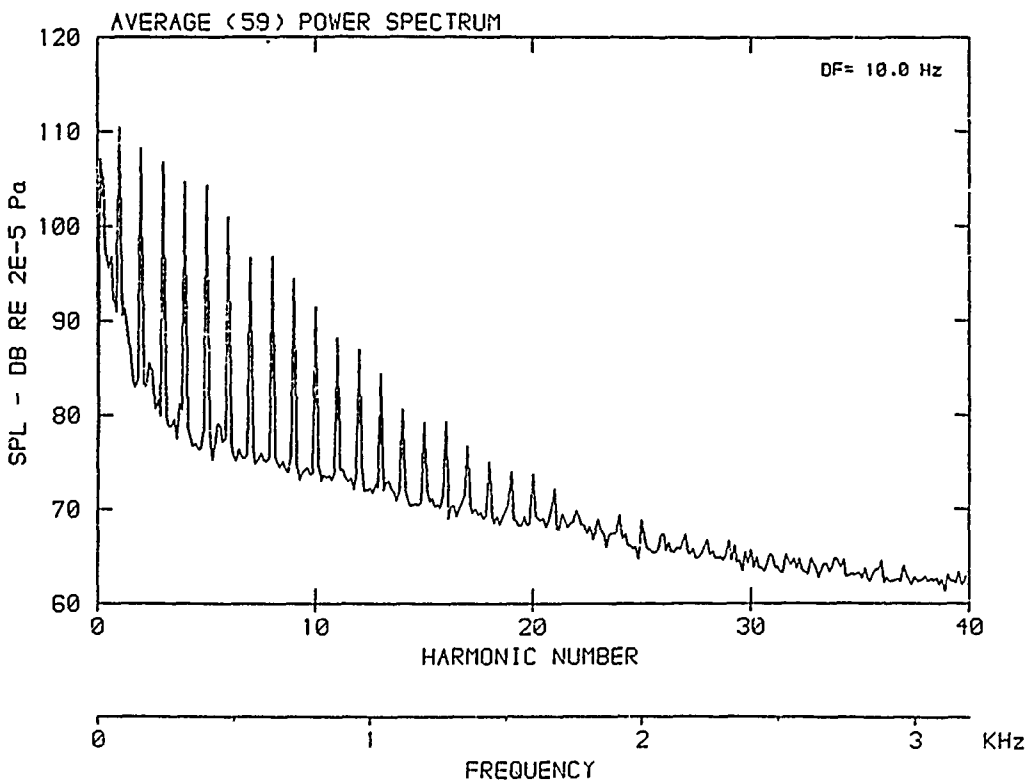




DATA POINT: AN-2	RUN: 64	MP: 3

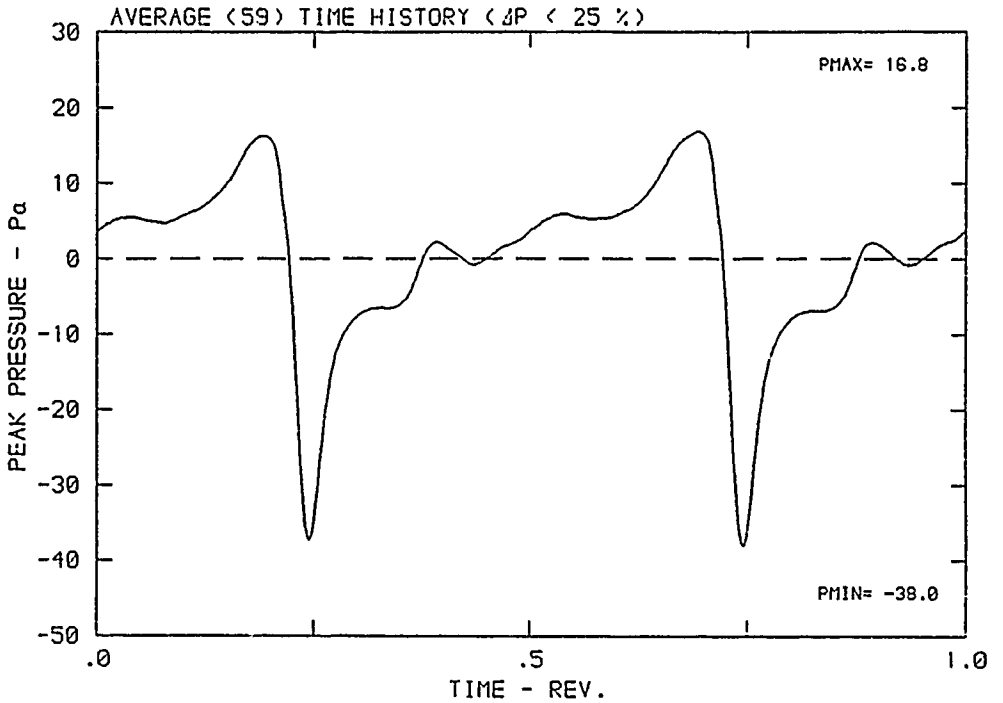
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

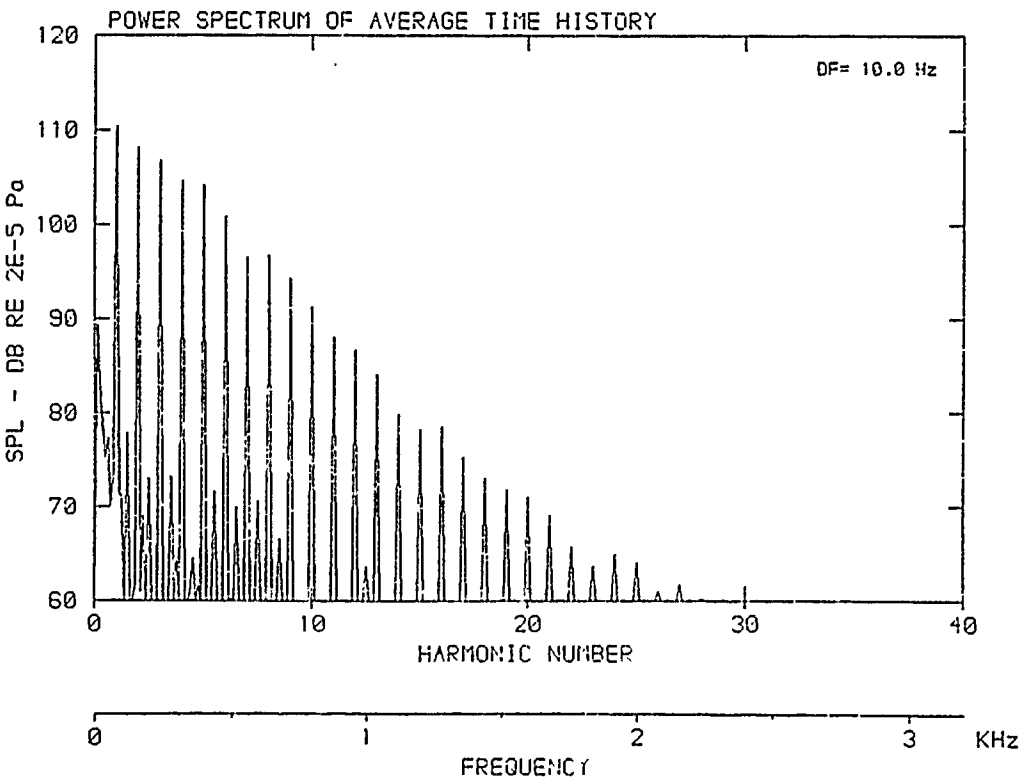




DATA POINT: AN-2 RUN: 64 MP: 3

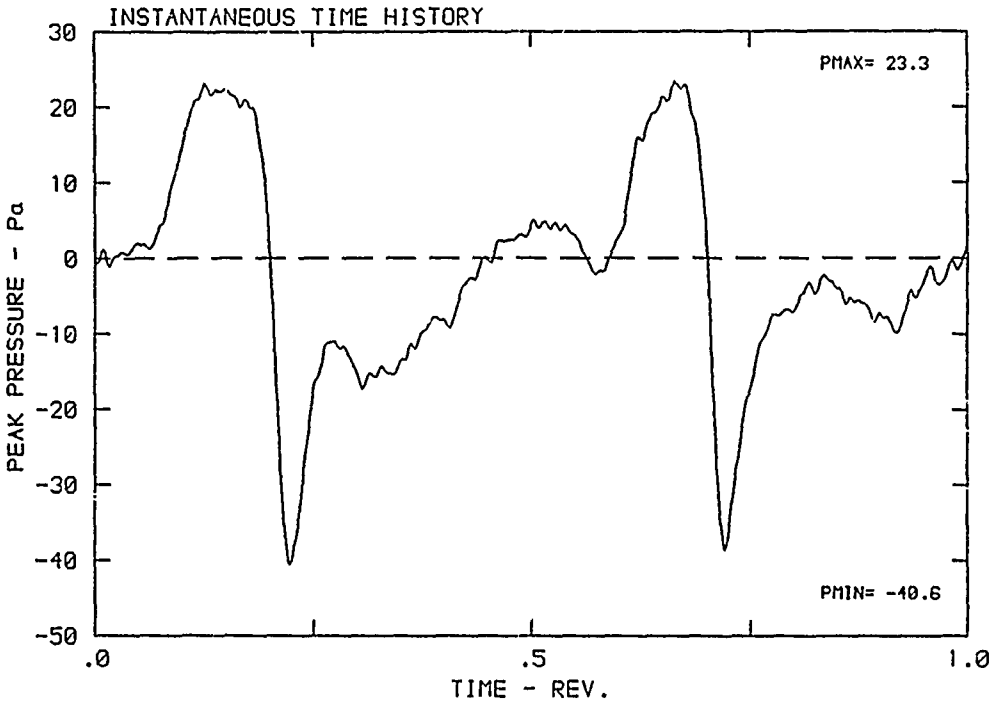
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

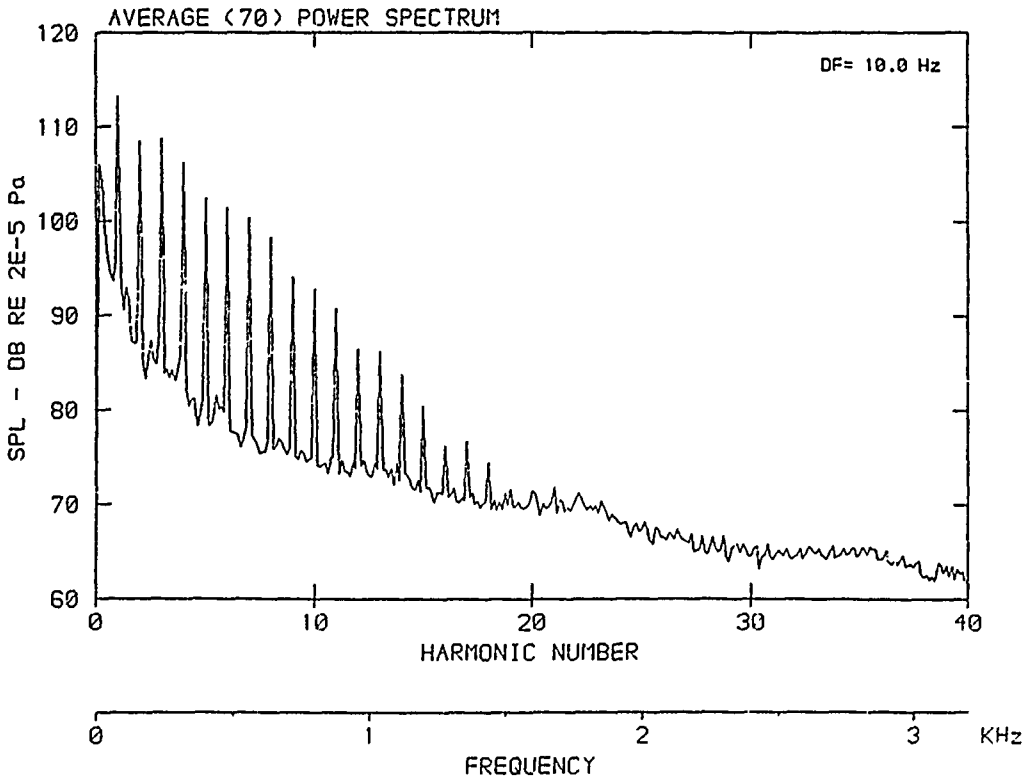




DATA POINT: AN-2 RUN: 64 MP: 4

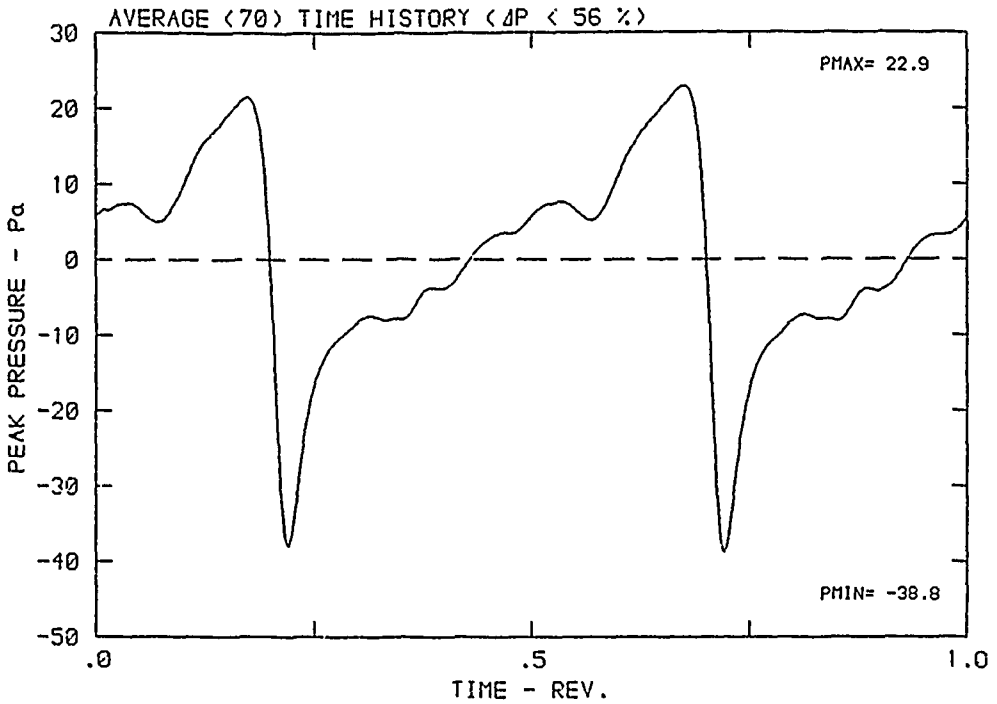
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

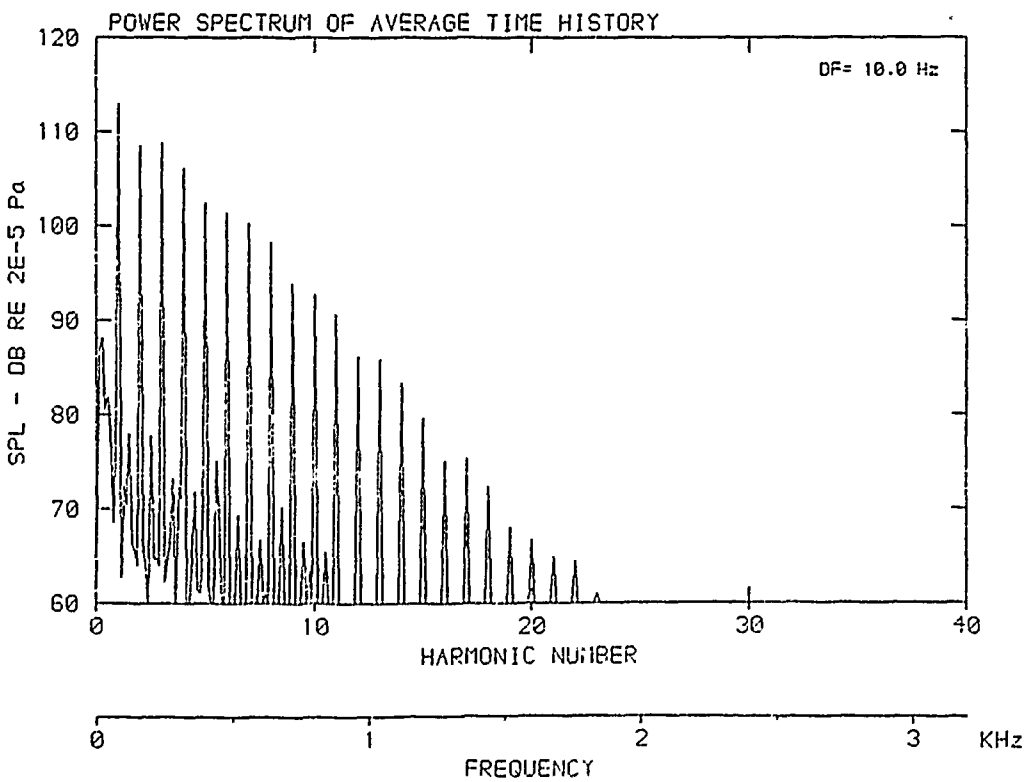




DATA POINT: AN-2	RUN: 64	MP: 4

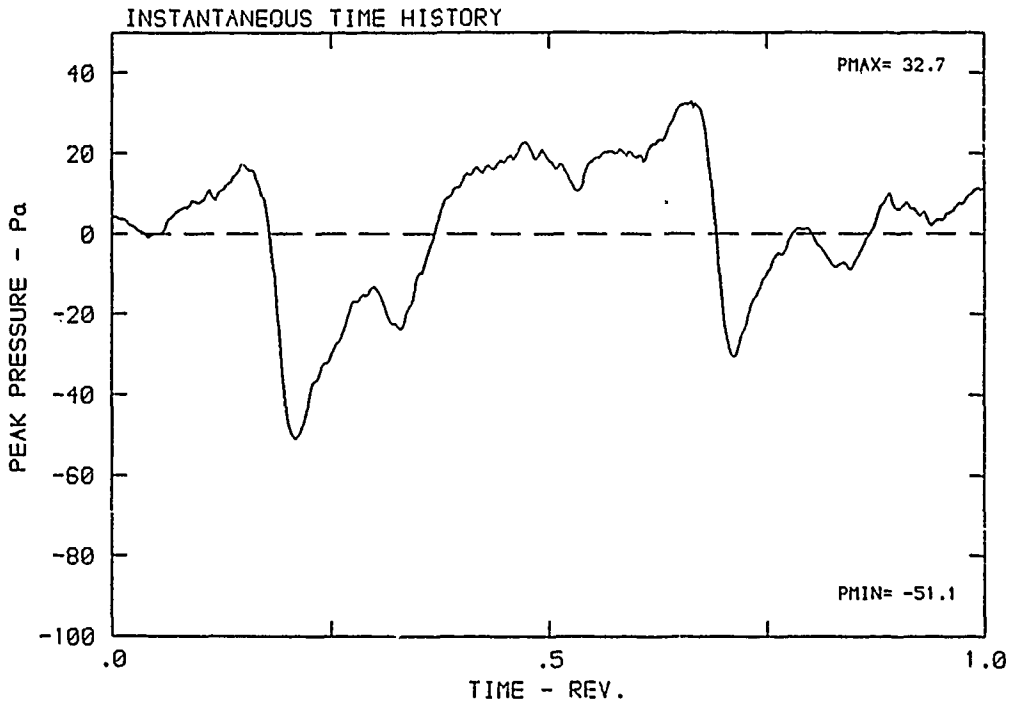
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

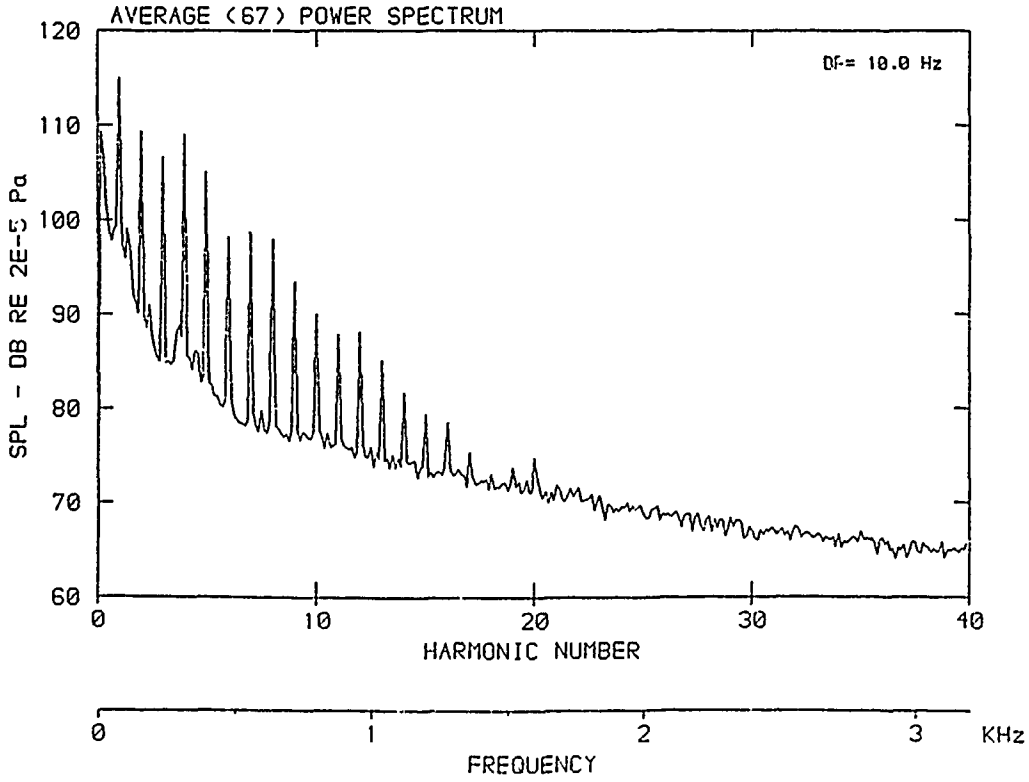




DATA POINT: AN-2 RUN: 64 MP: 5

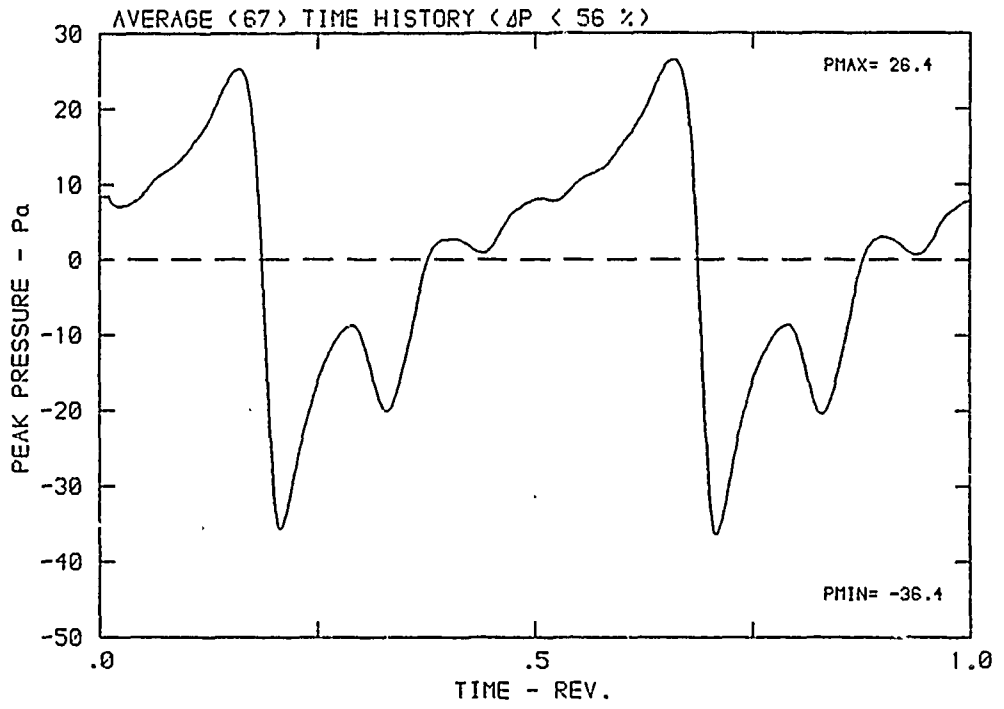
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

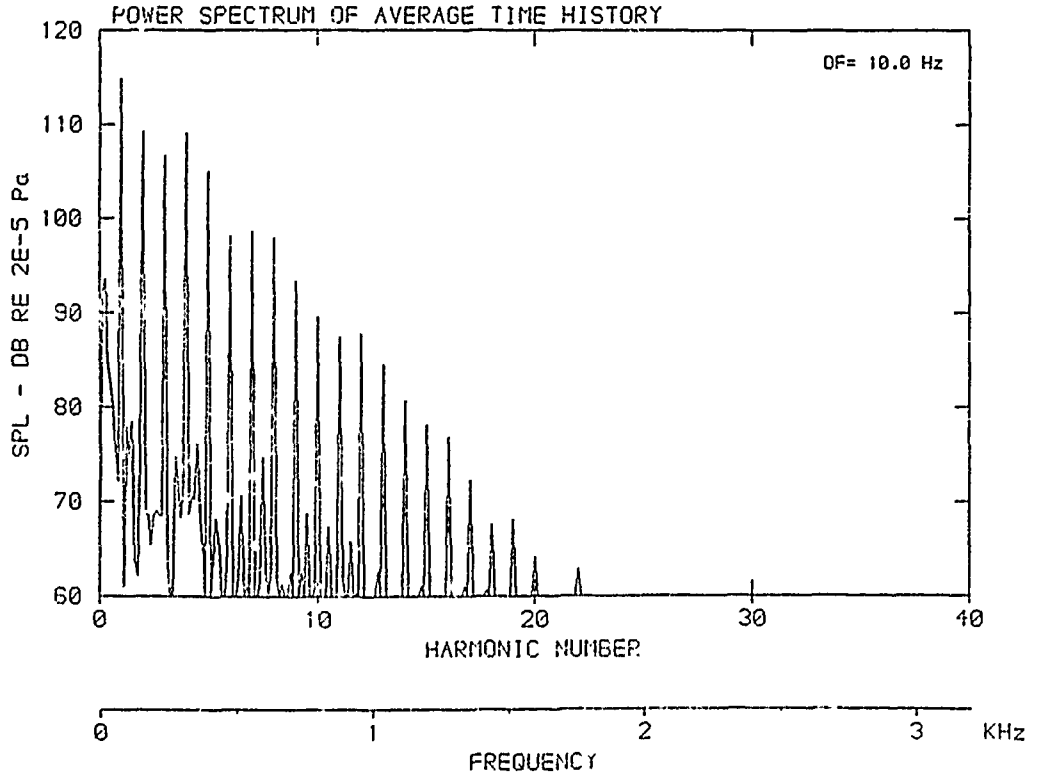




DATA POINT: AN-2 RUN: 64 MP: 5

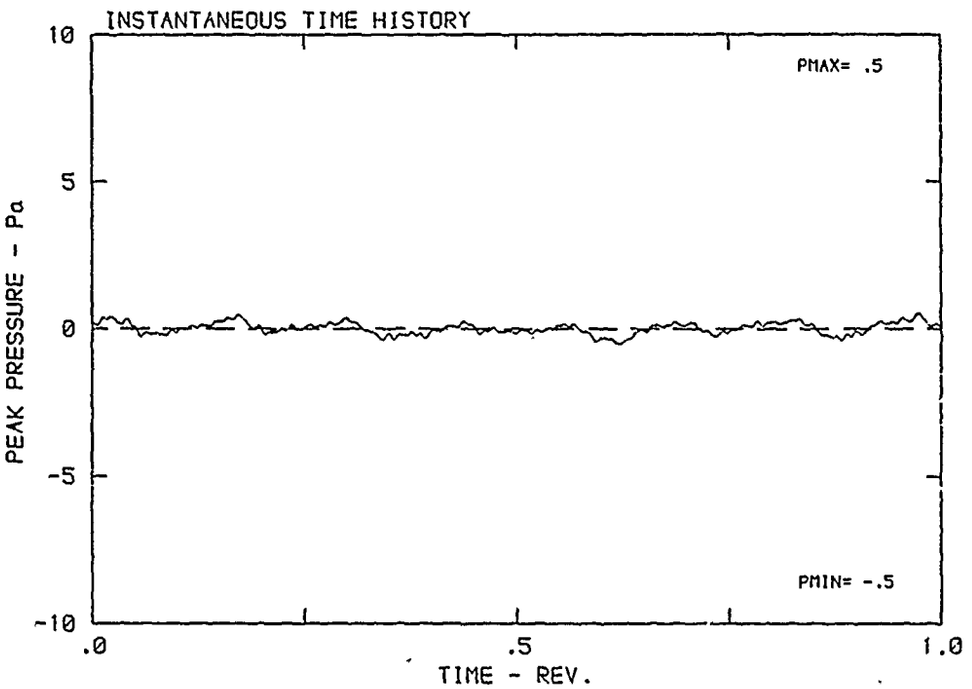
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

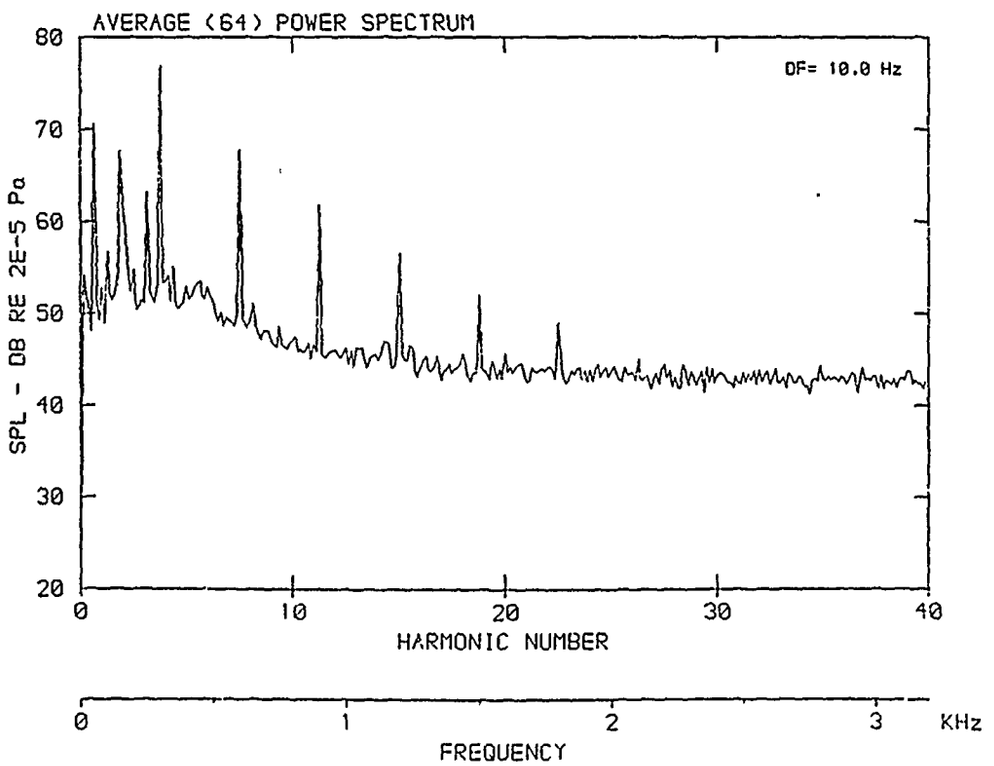




DATA POINT: AN-2 RUN: 64 MP: 6

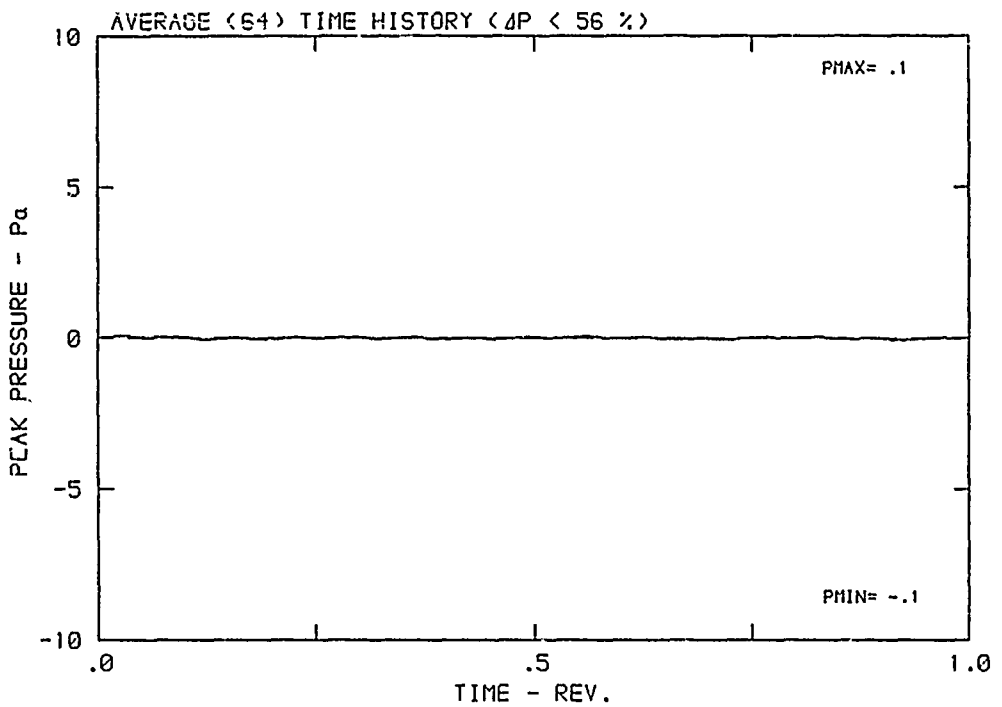
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

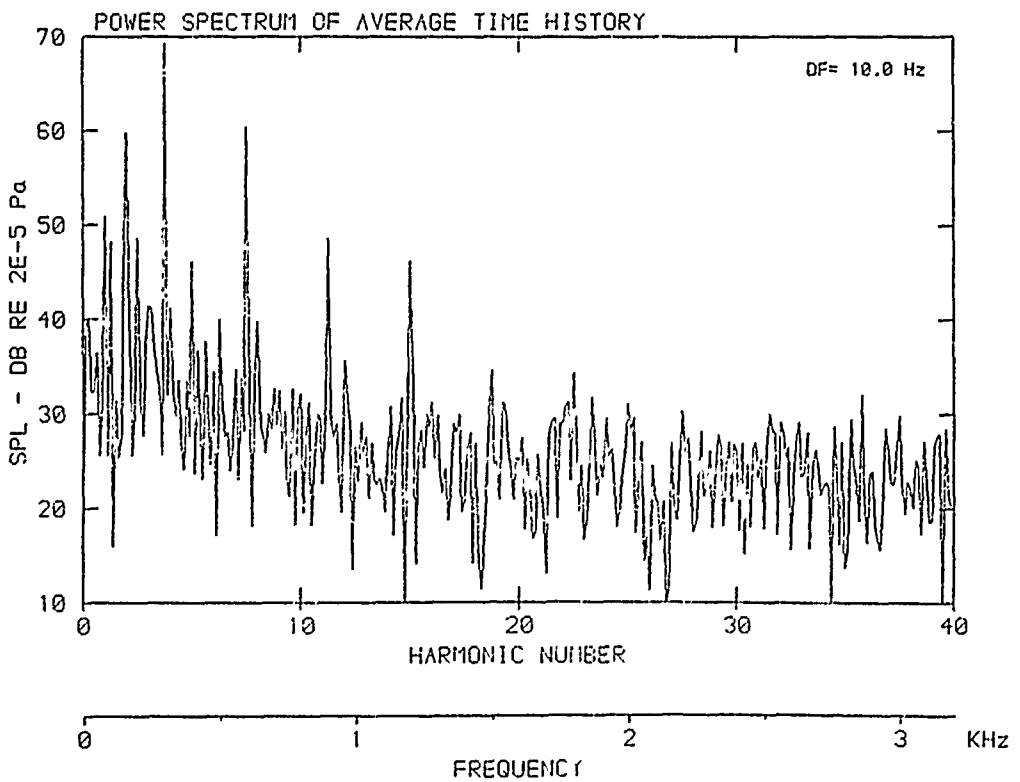




DATA POINT: AN-2 RUN: 64 MP: 6

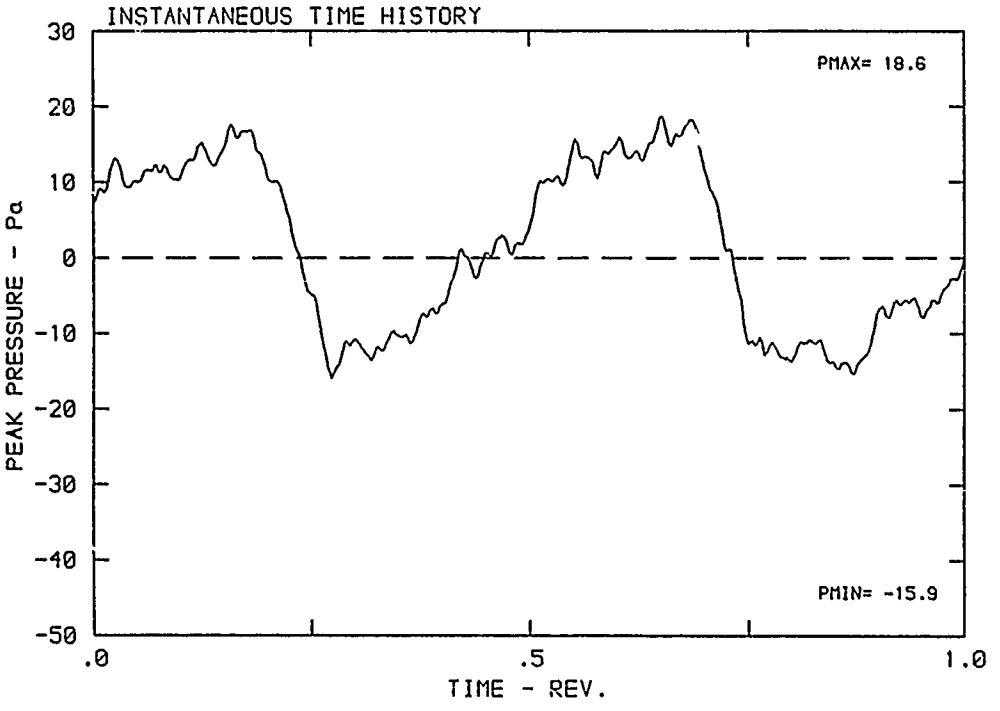
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

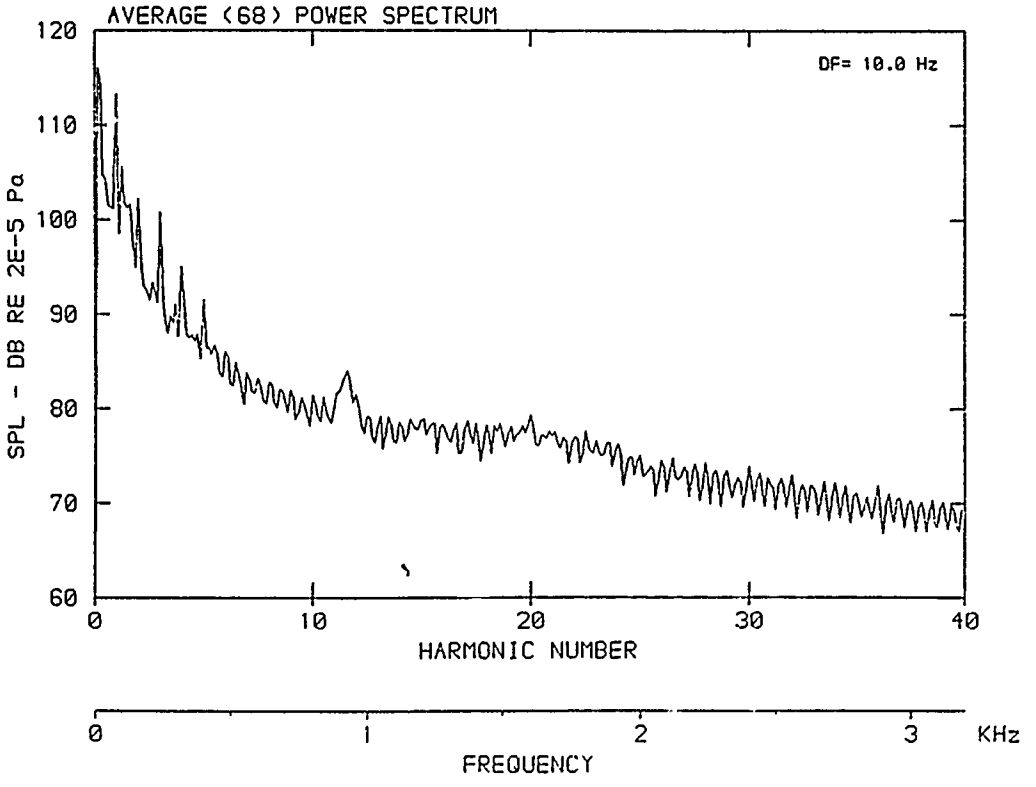




DATA POINT: AN-2	RUN: 64	MP: 7

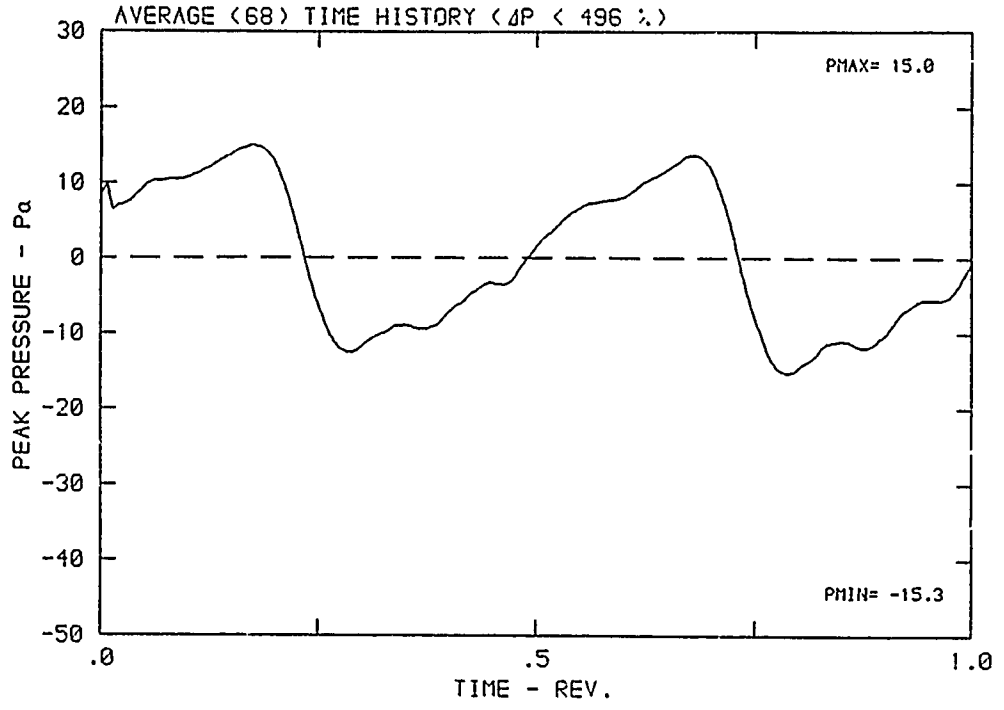
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

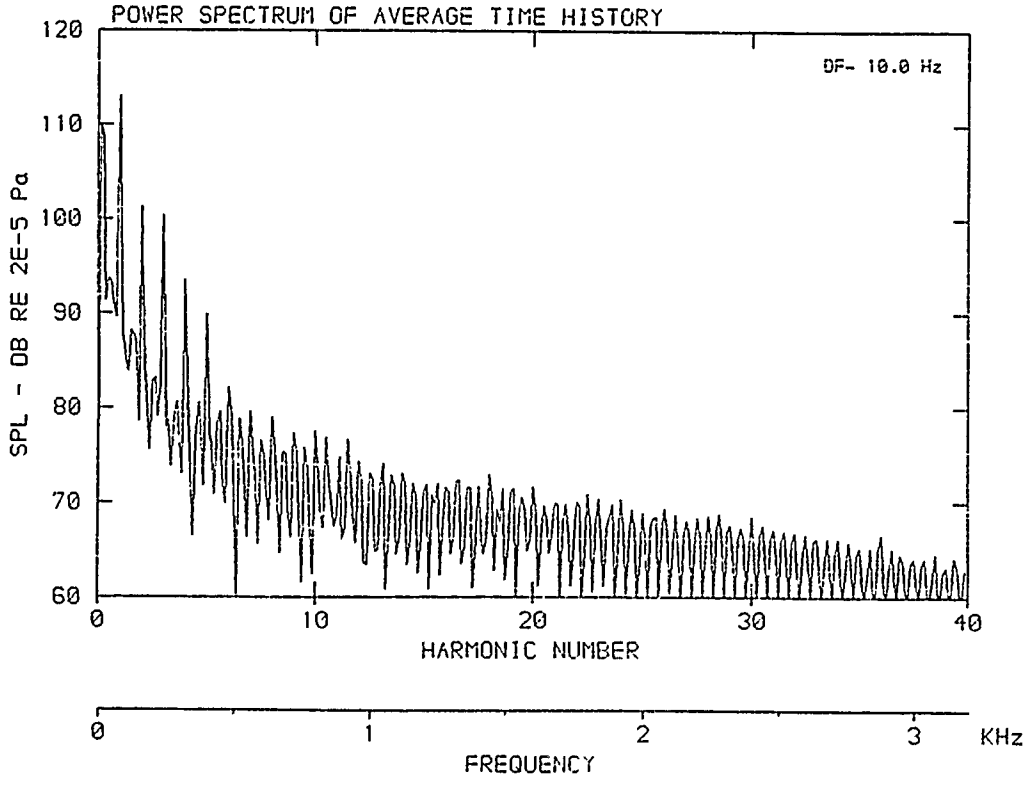




DATA POINT: AN-2 RUN: 64 MP: 7

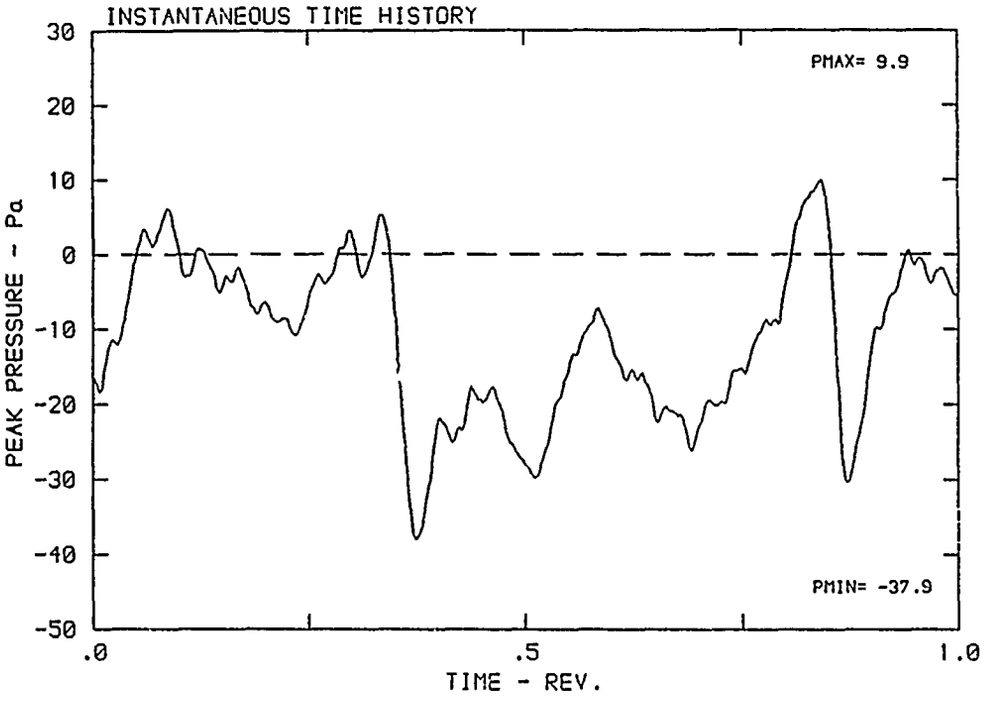
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

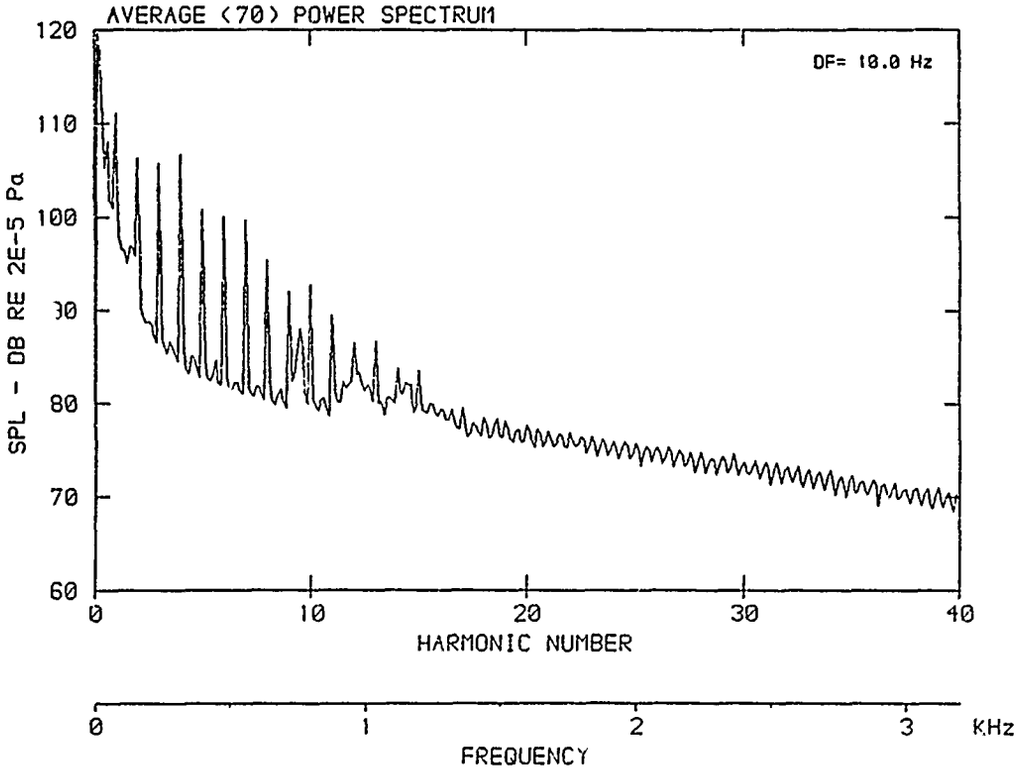




DATA POINT: AN-2 RUN: 64 MP: 9

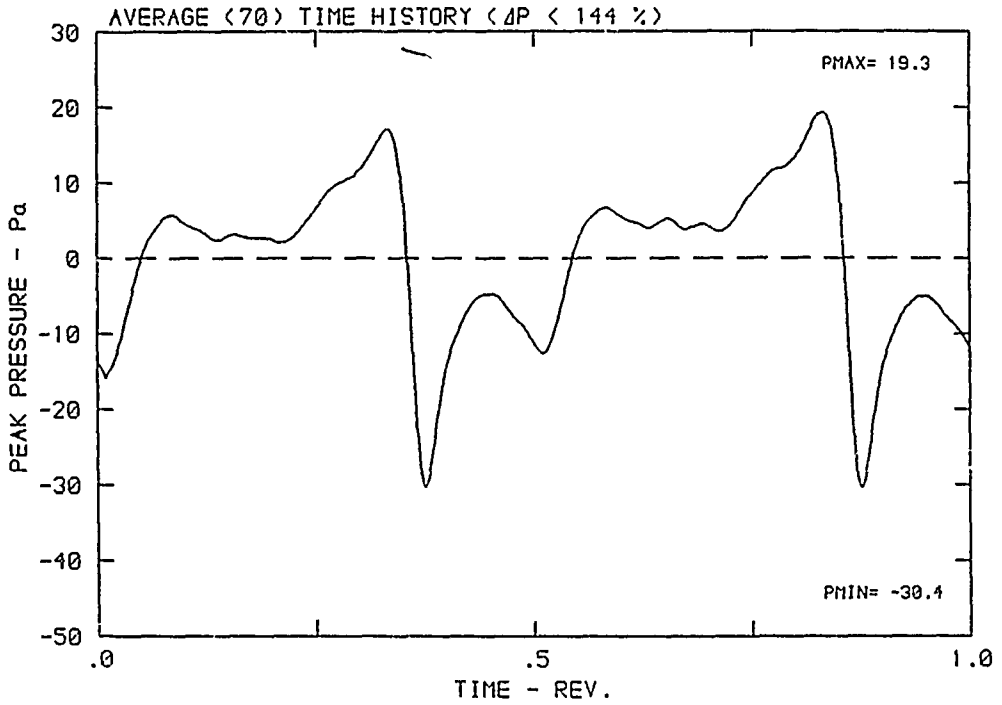
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

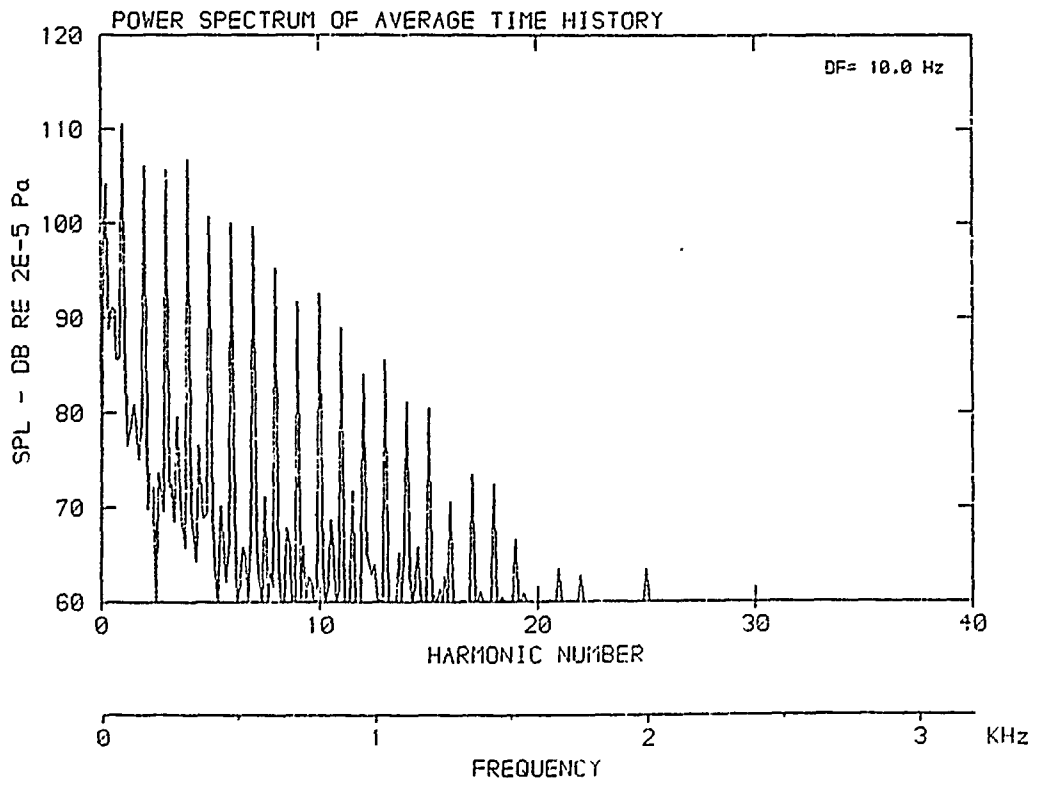




DATA POINT: AN-2	RUN: 64	MP: 9

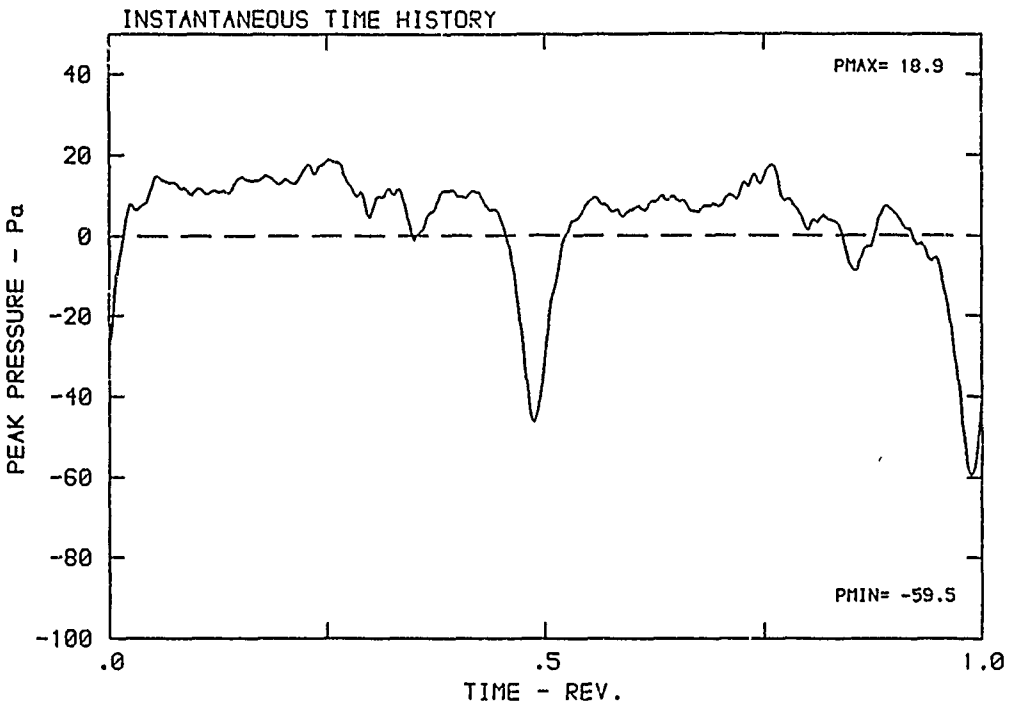
β: 20.8° MH: .7738 n: 2400 rpm v/u: .240 ϕ: .0° T: 286.5 K

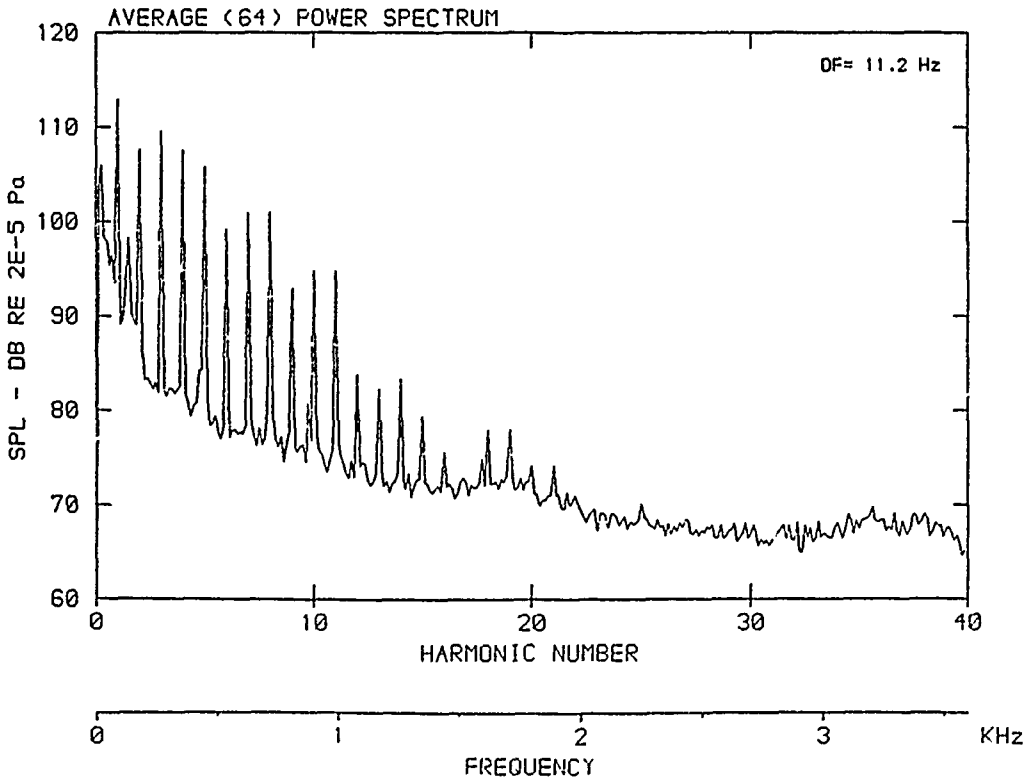




DATA POINT: AN-3	RUN: 65	MP: 1

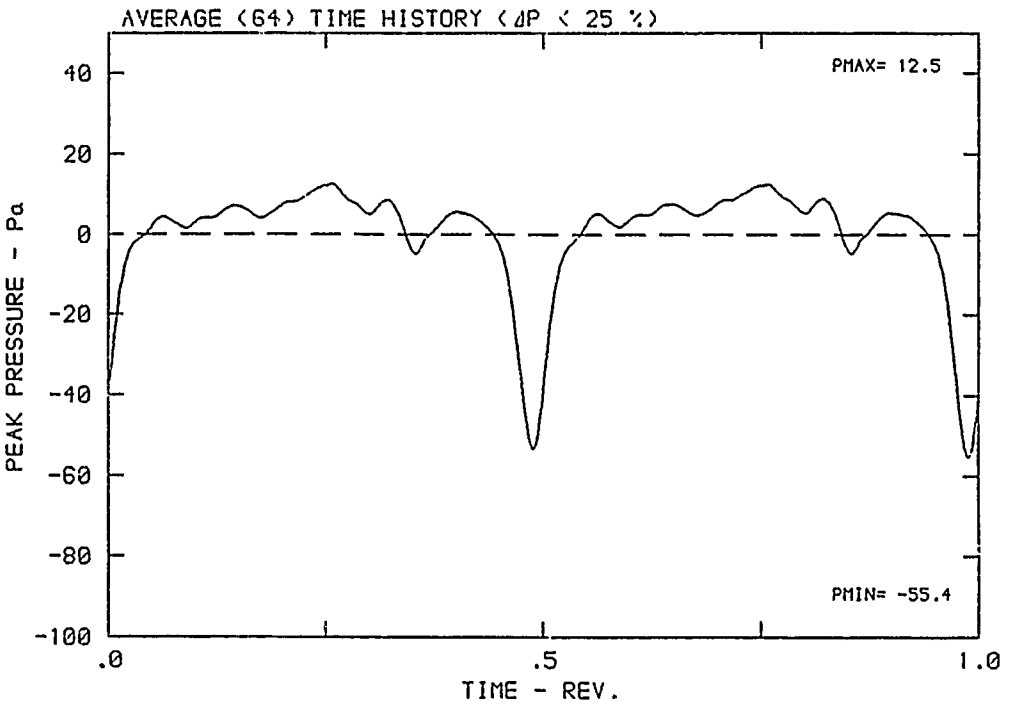
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

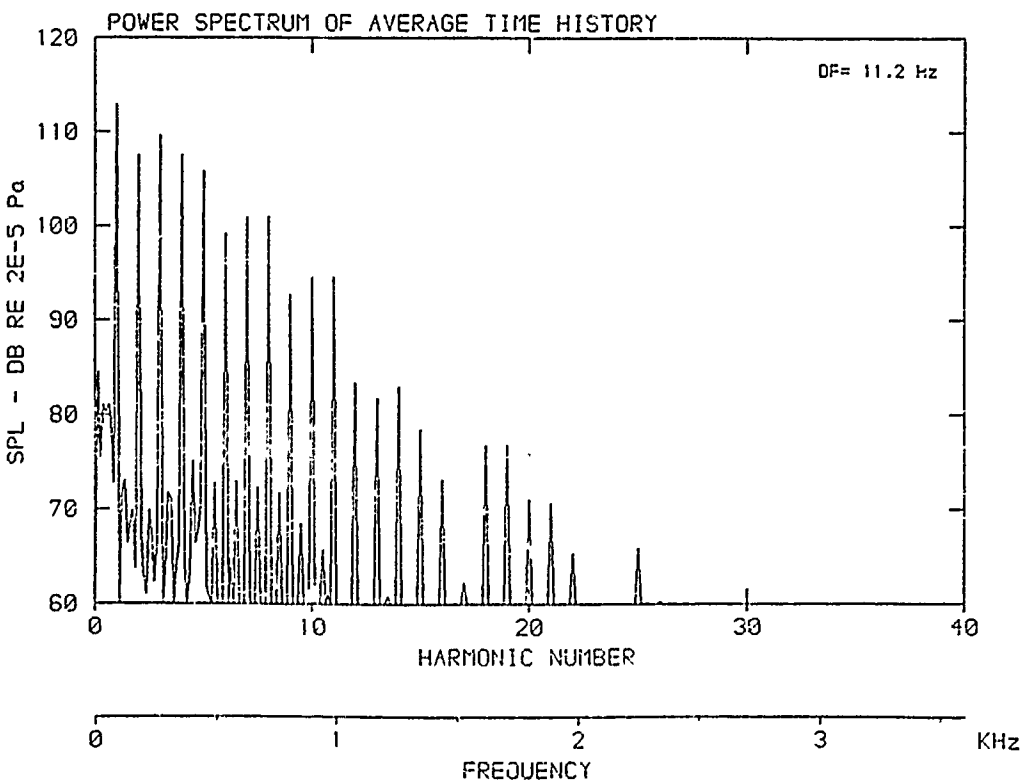




DATA POINT: AN-3	RUN: 65	MP: 1

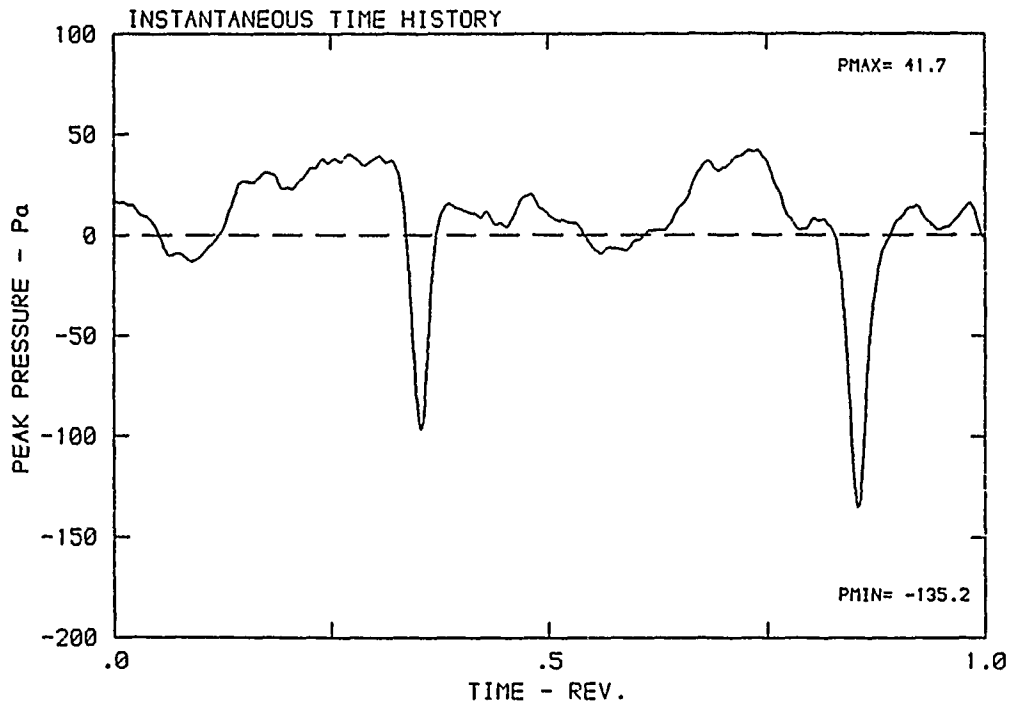
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

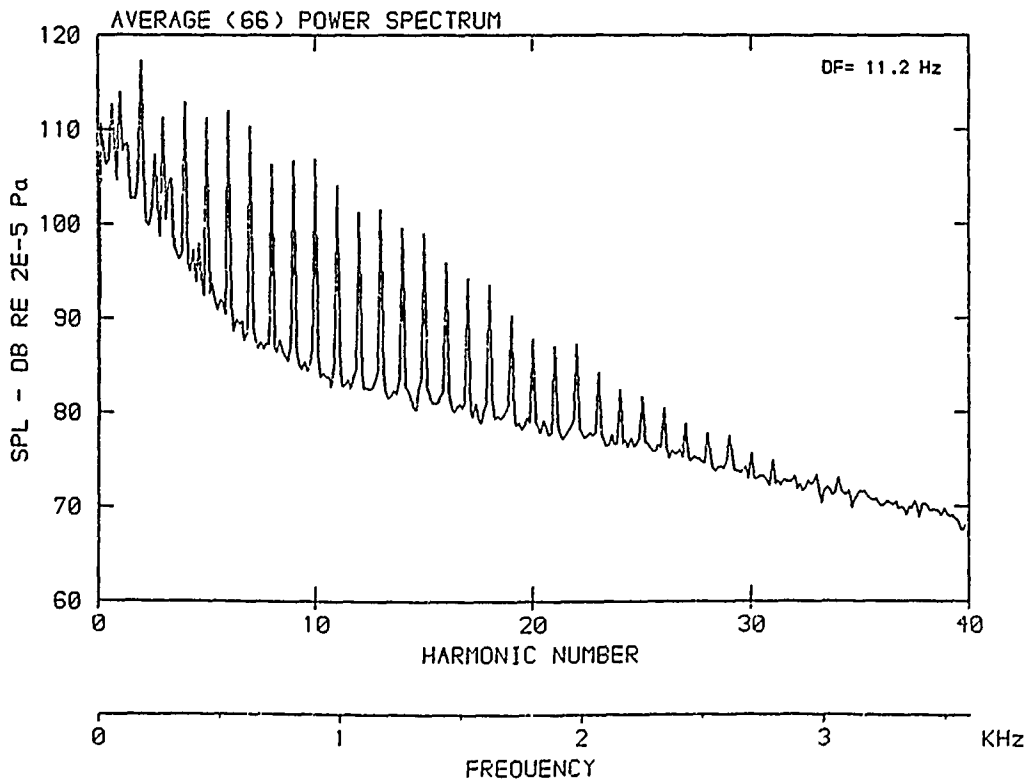




DATA POINT: AN-3 RUN: 65 MP: 2

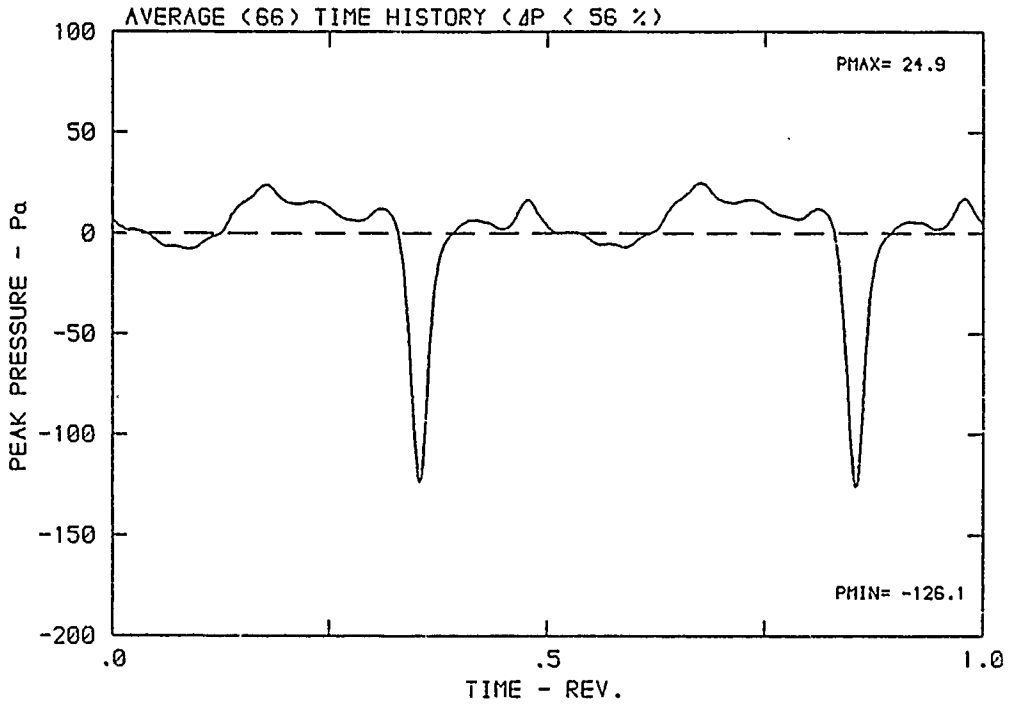
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

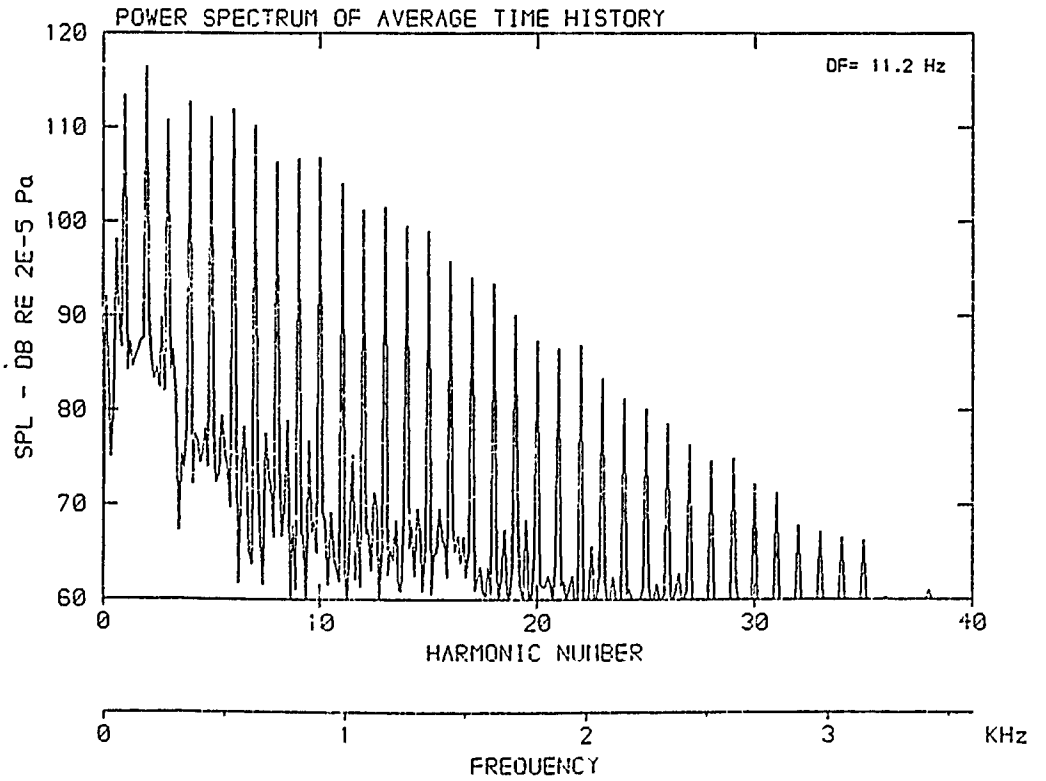




DATA POINT: AN-3 RUN: 65 MP: 2

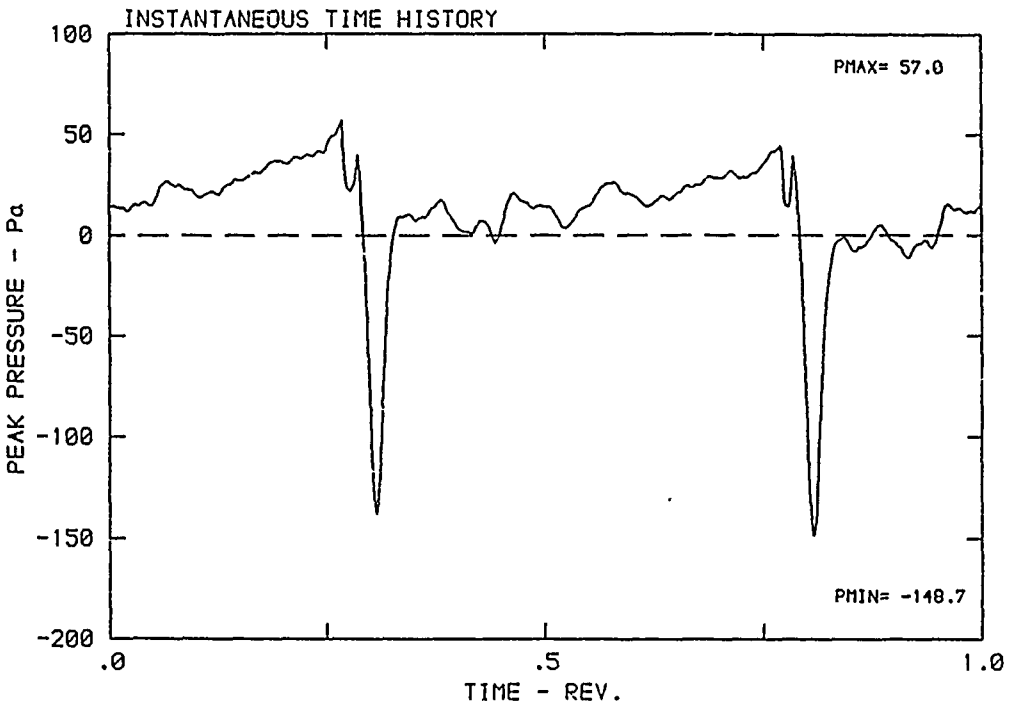
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

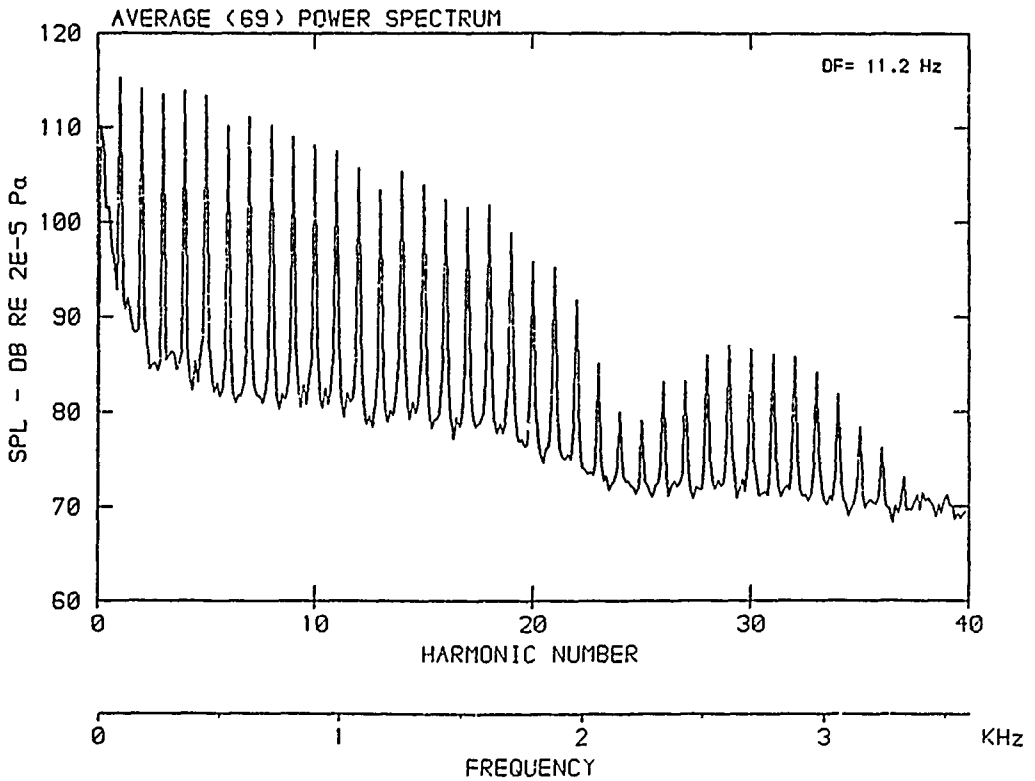




DATA POINT: AN-3 RUN: 65 MP: 3

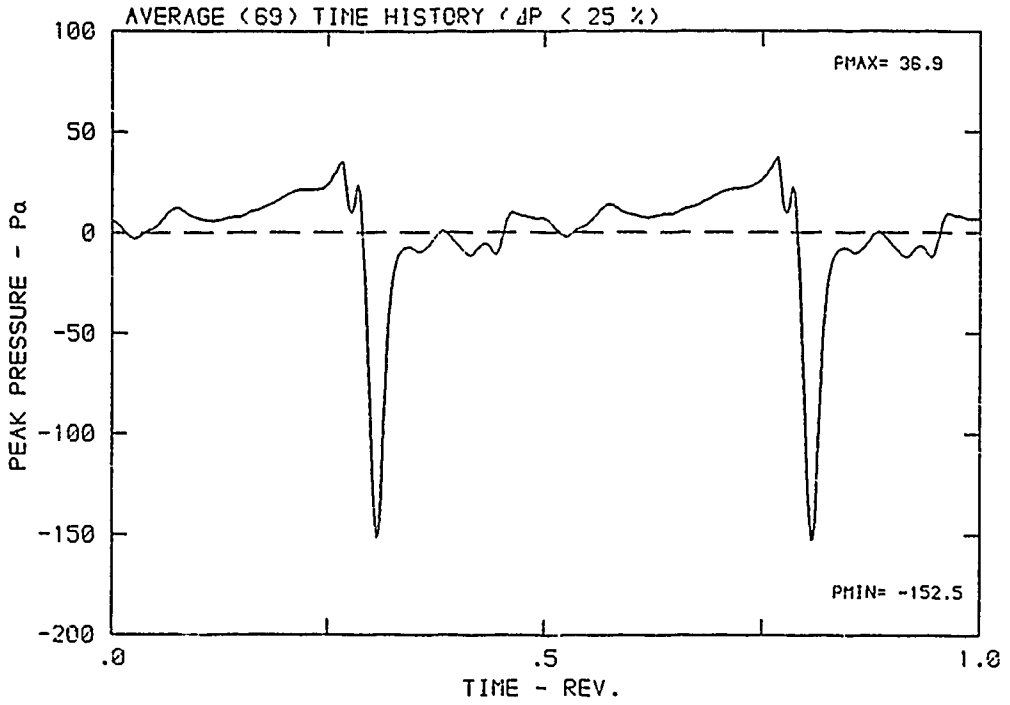
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

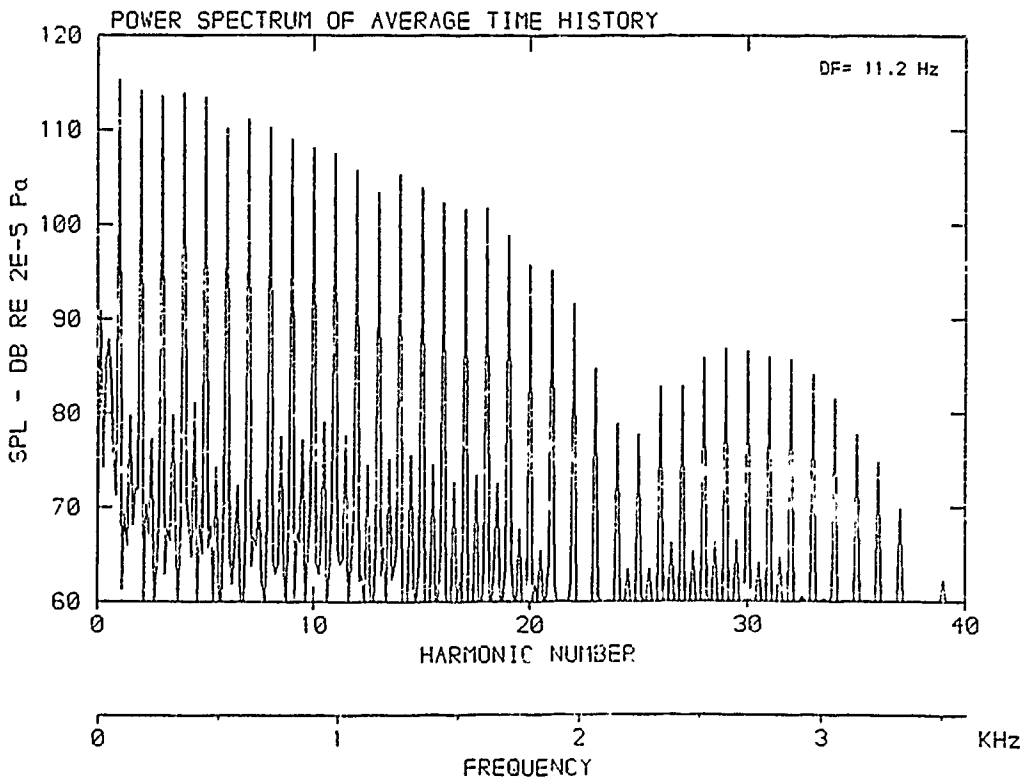




DATA POINT: AN-3 RUN: 65 MP: 3

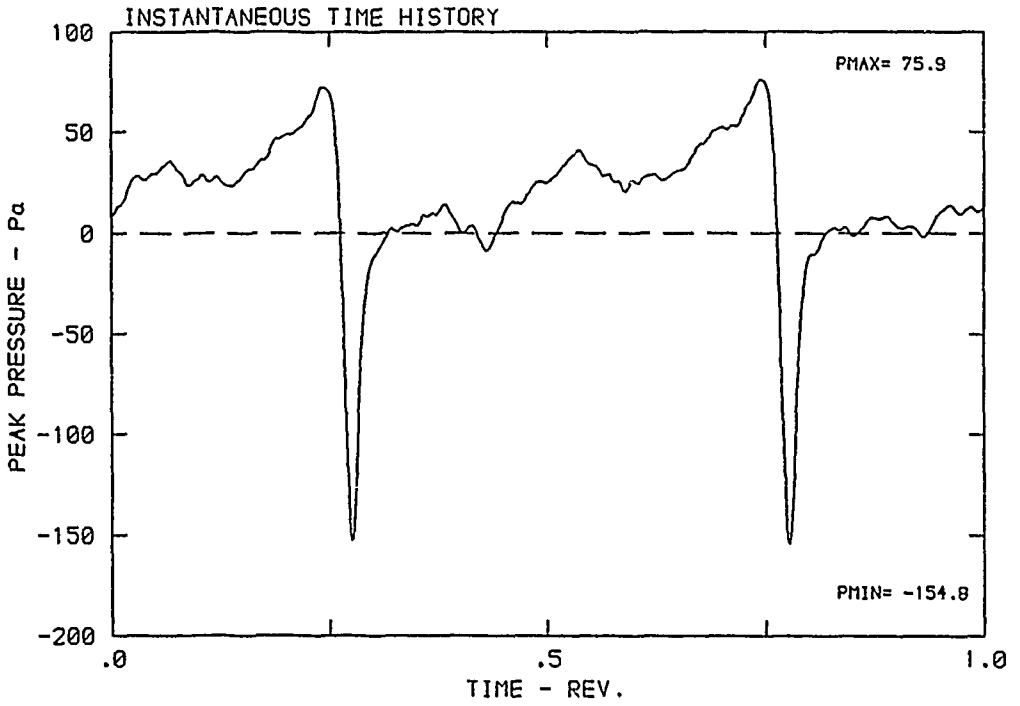
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

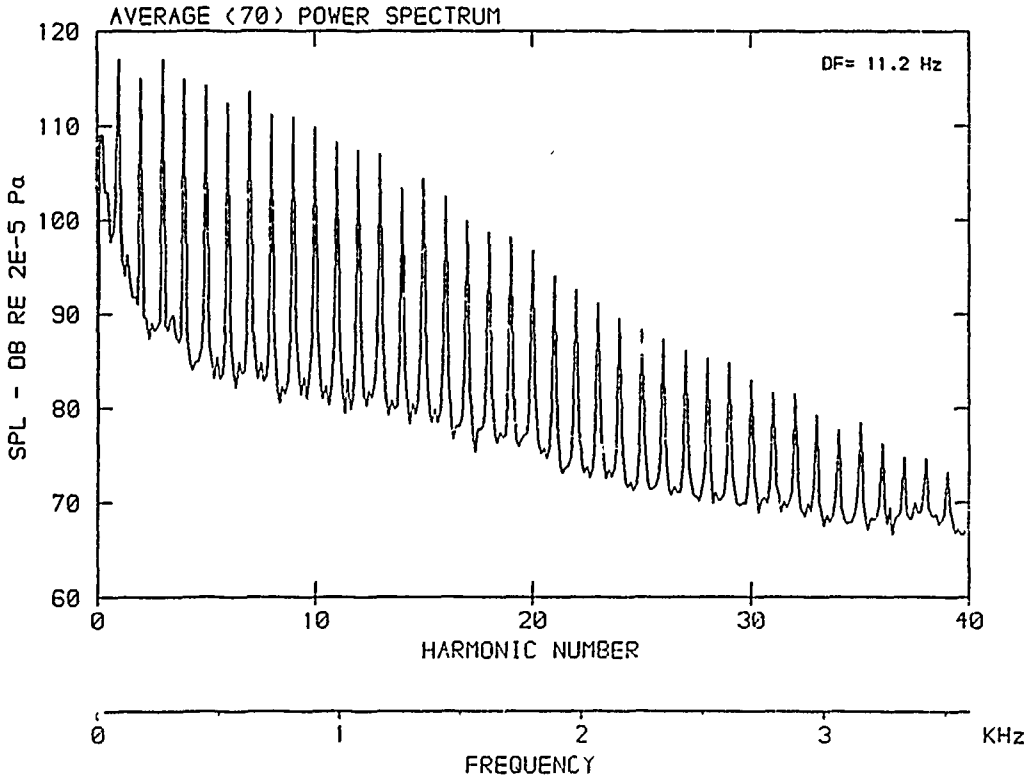




DATA POINT: AN-3 RUN: 65 MP: 4

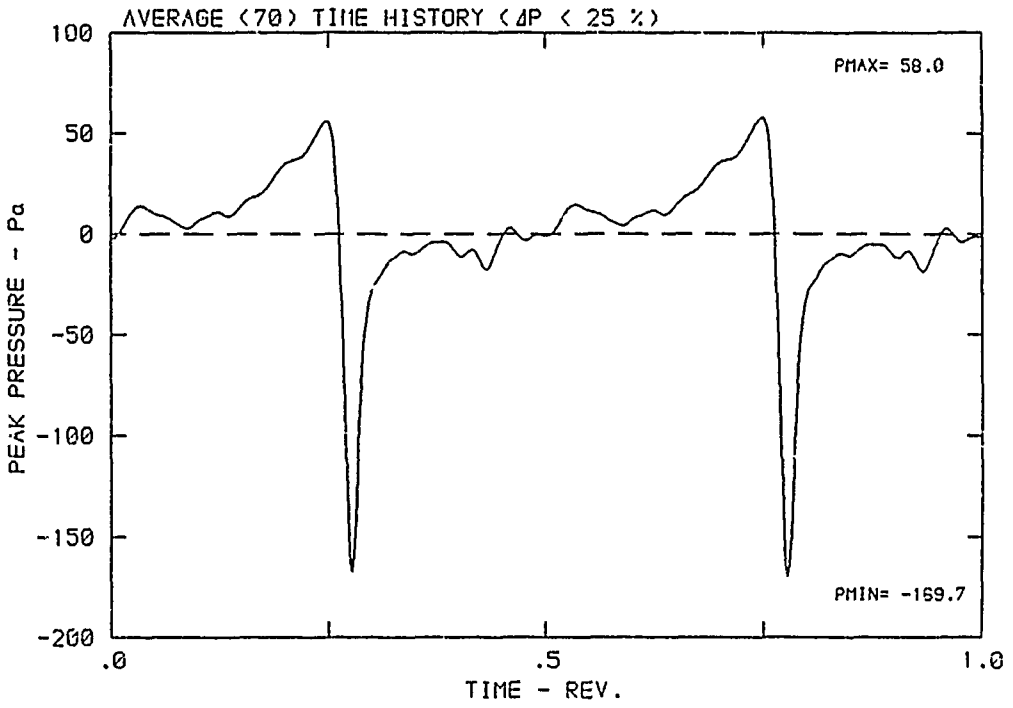
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

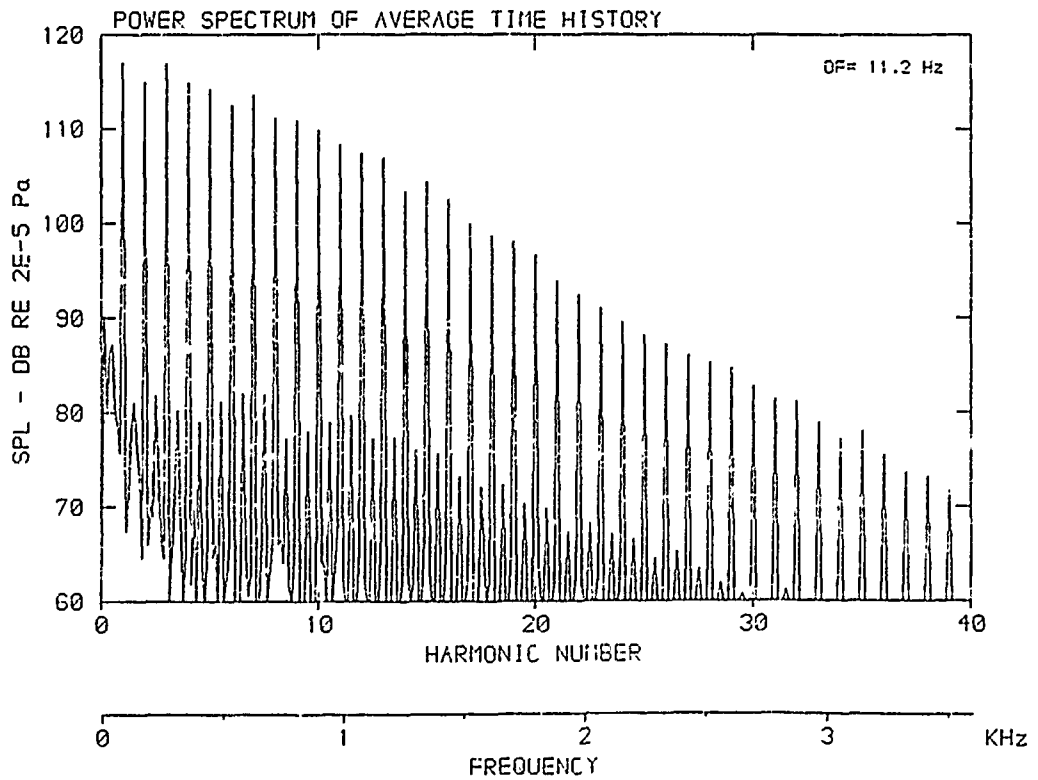




DATA POINT: AN-3	RUN: 65	MP: 4

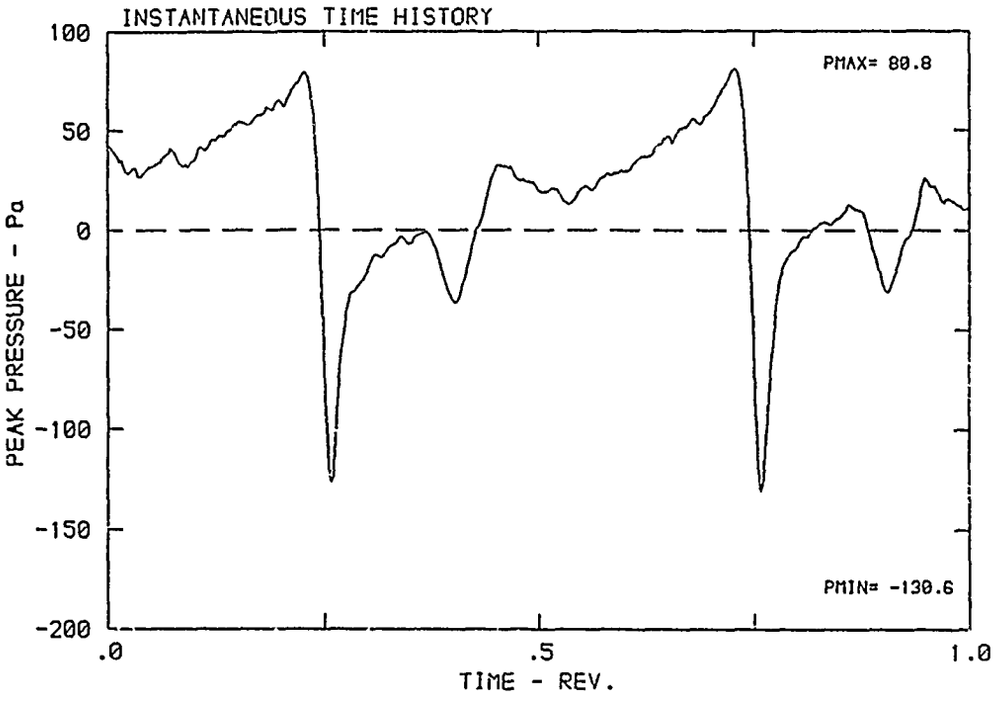
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

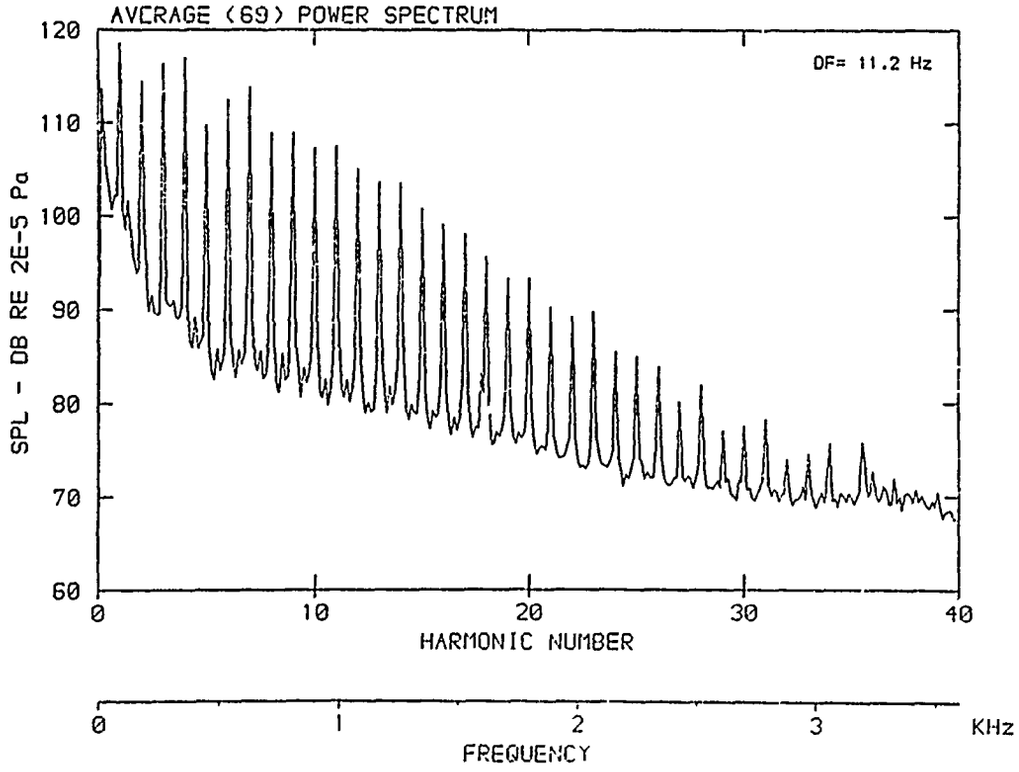




DATA POINT: AN-3 RUN: 65 MP: 5

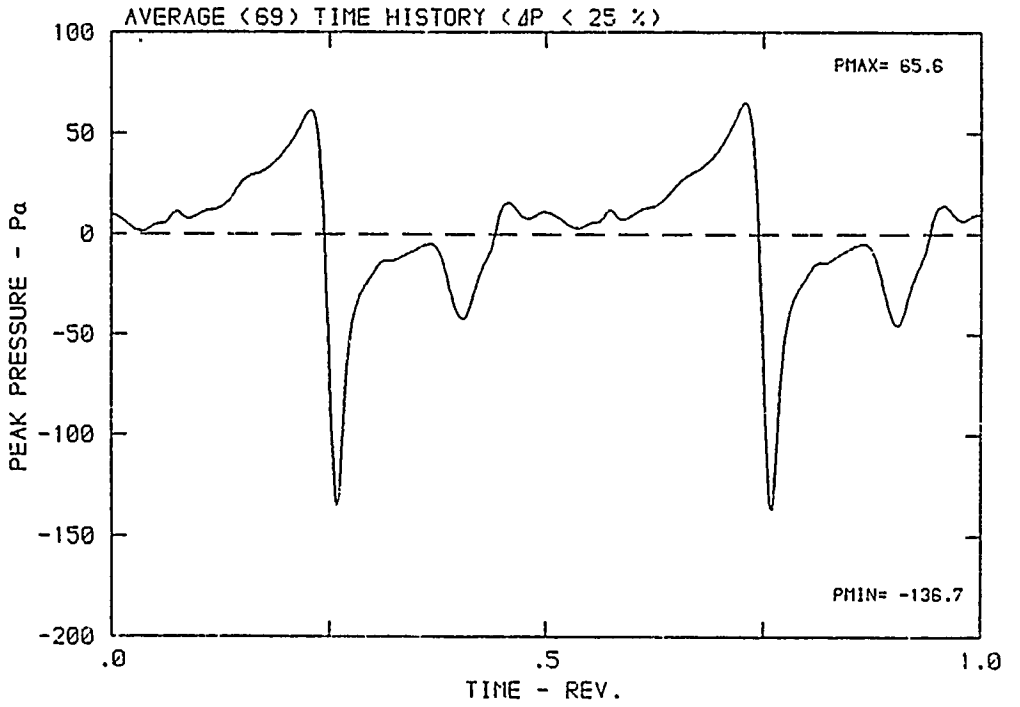
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

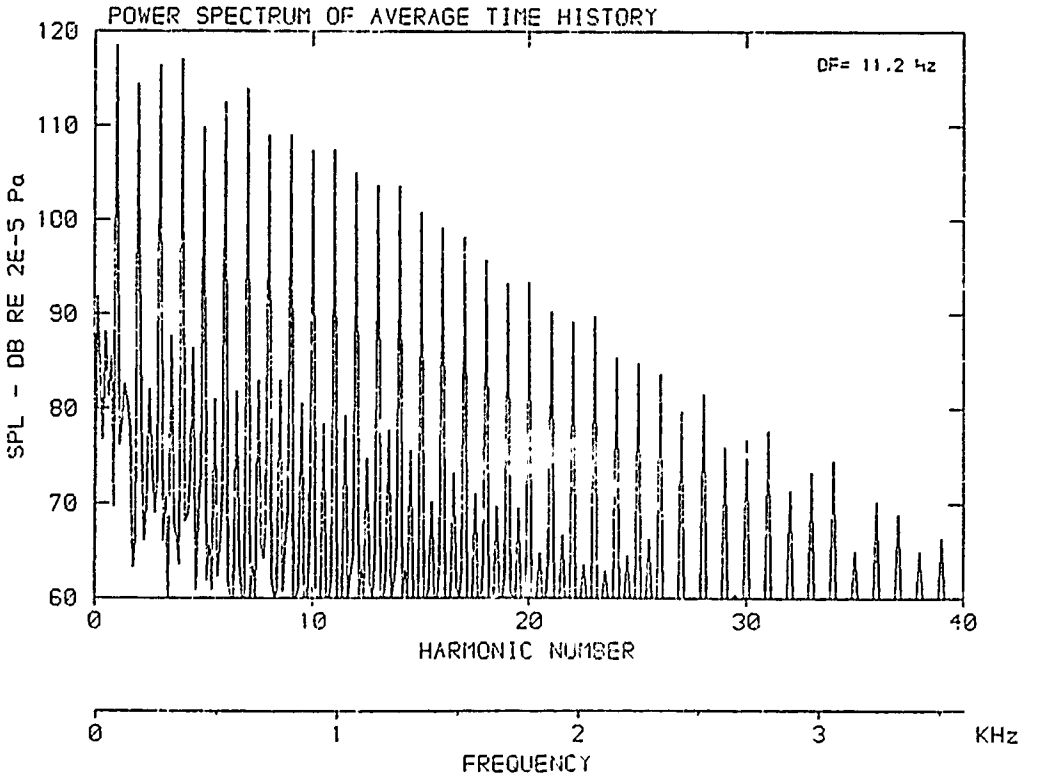




DATA POINT: AN-3 RUN: 65 MP: 5

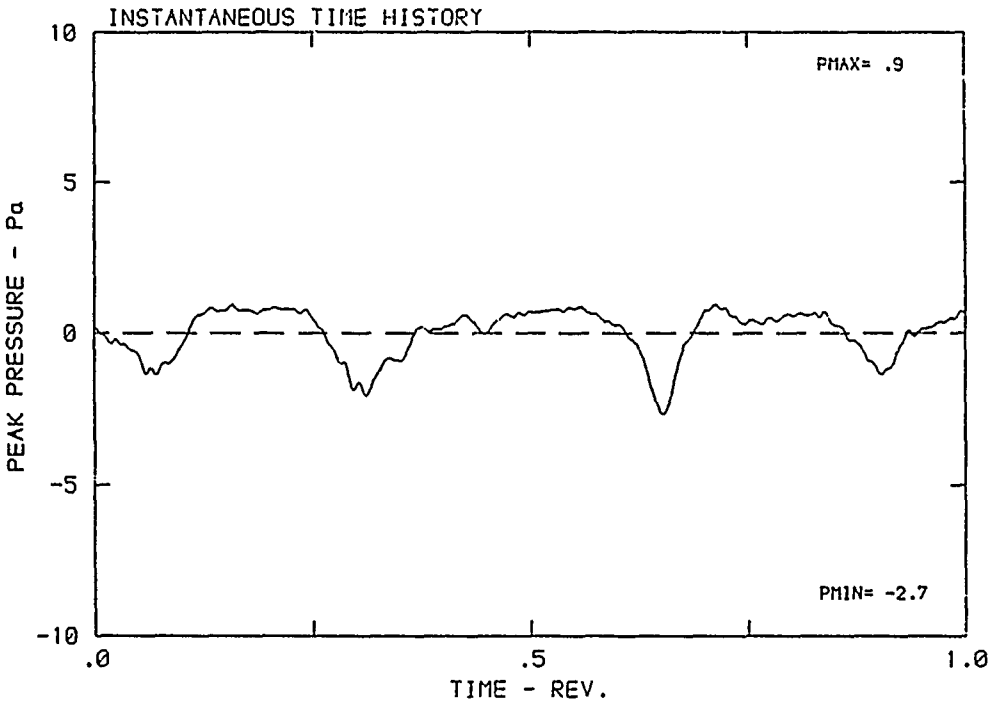
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

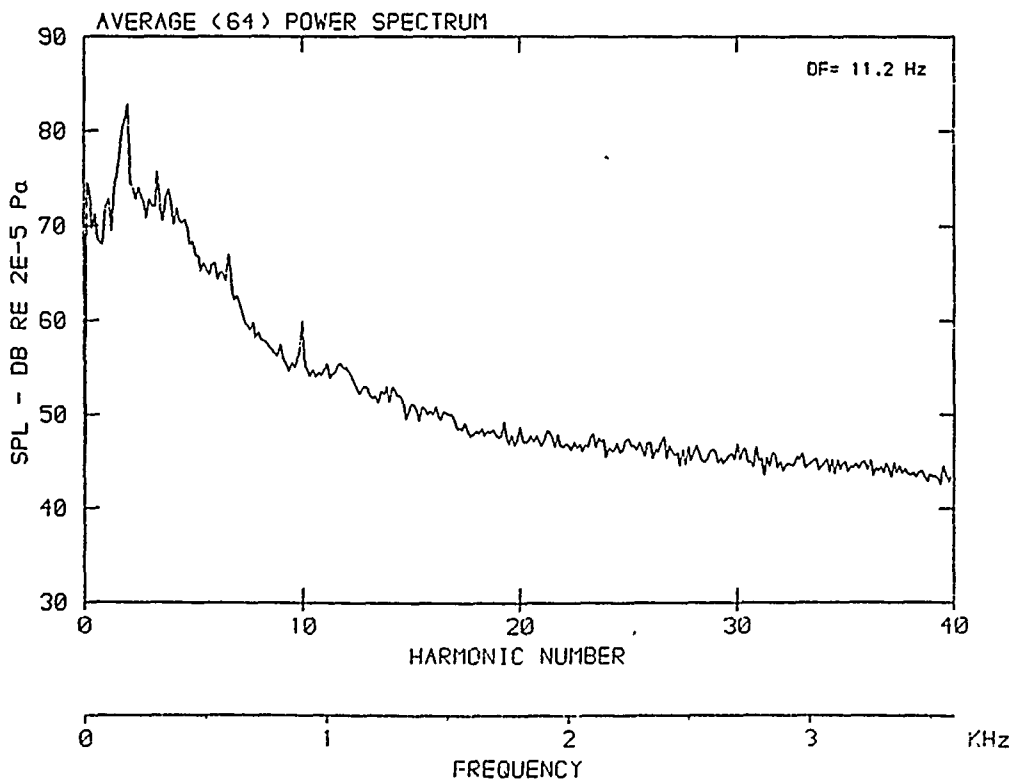




DATA POINT: AN-3 RUN: 65 MP: 6

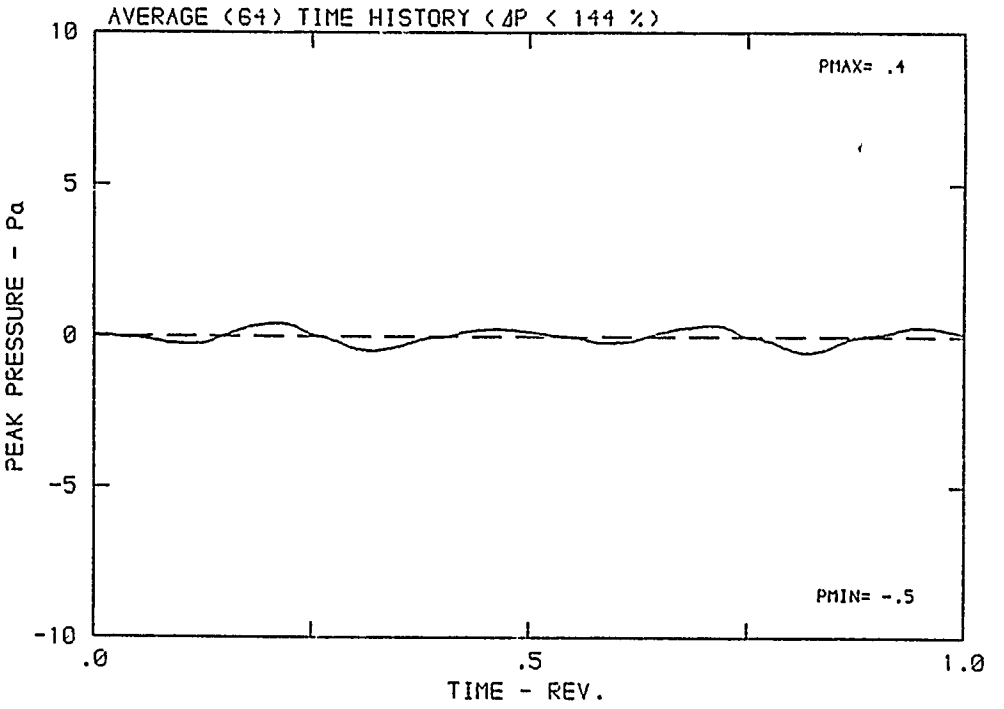
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

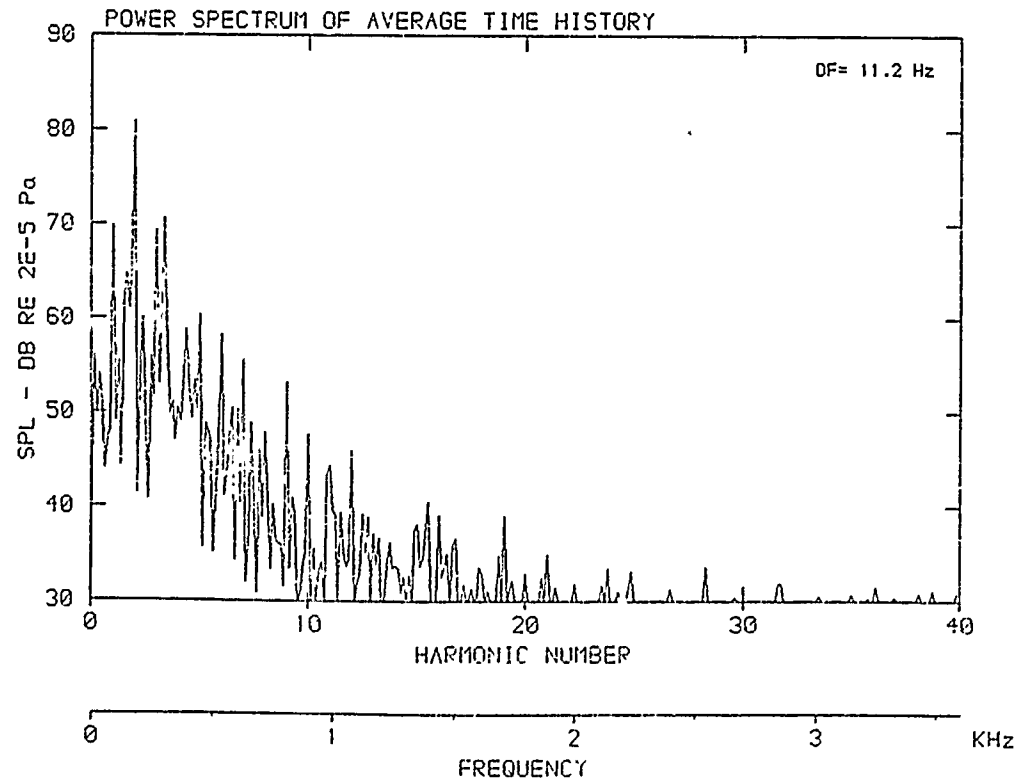




DATA POINT: AN-3 RUN: 65 MP: 6

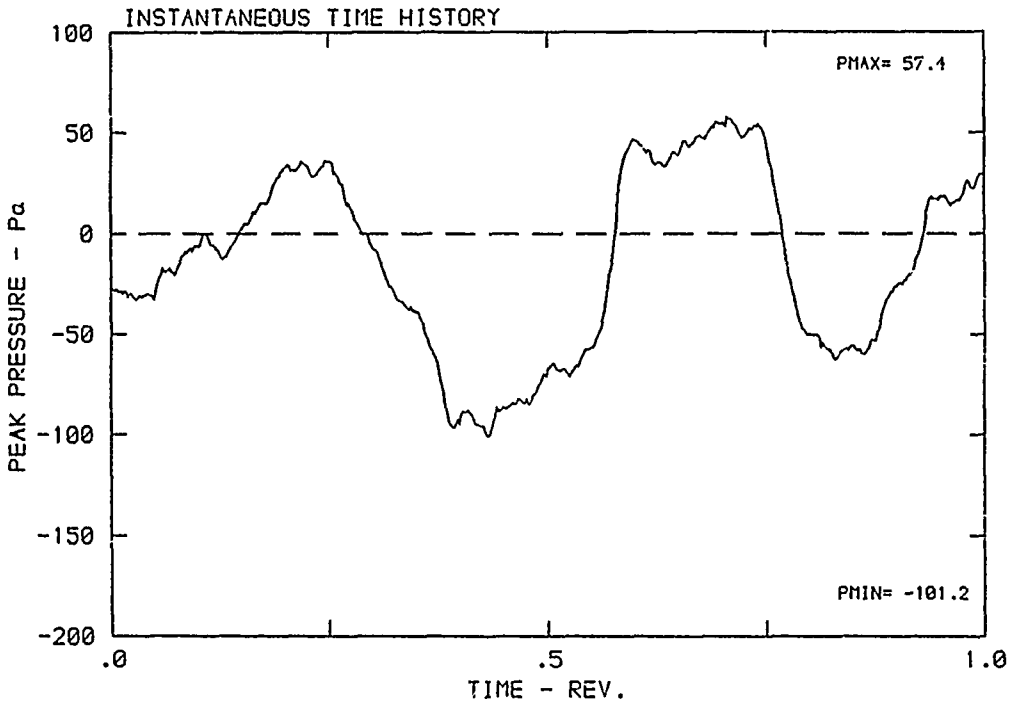
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

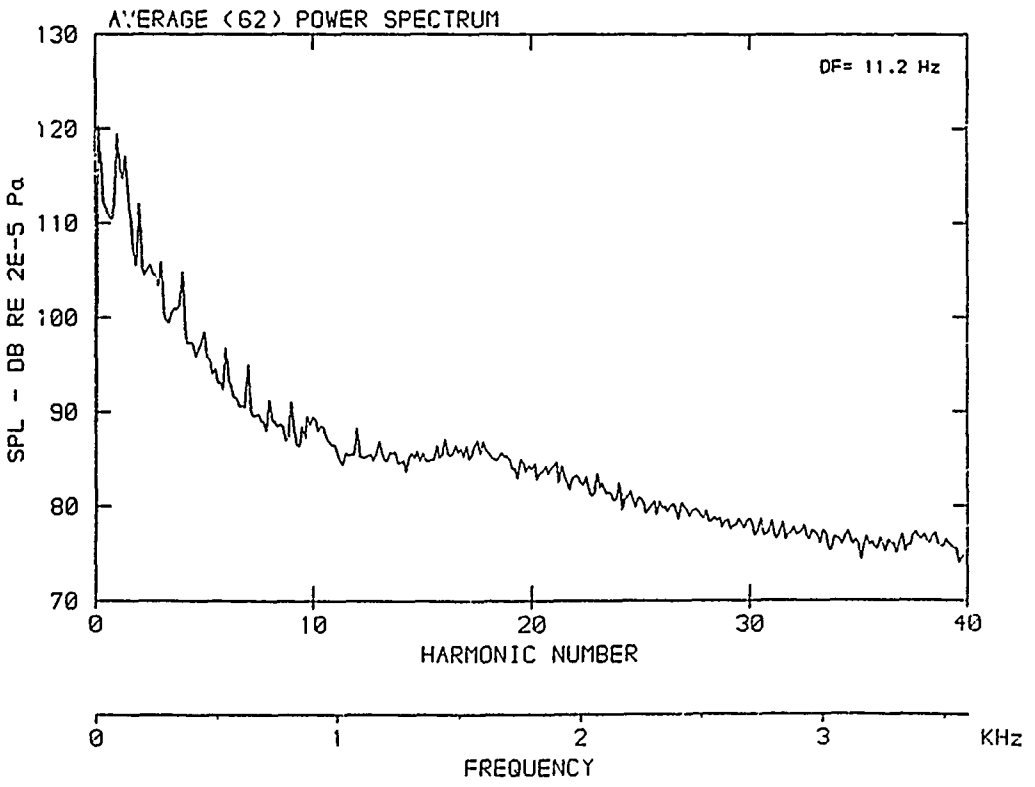




DATA POINT: AN-3 RUN: 65 MP: 7

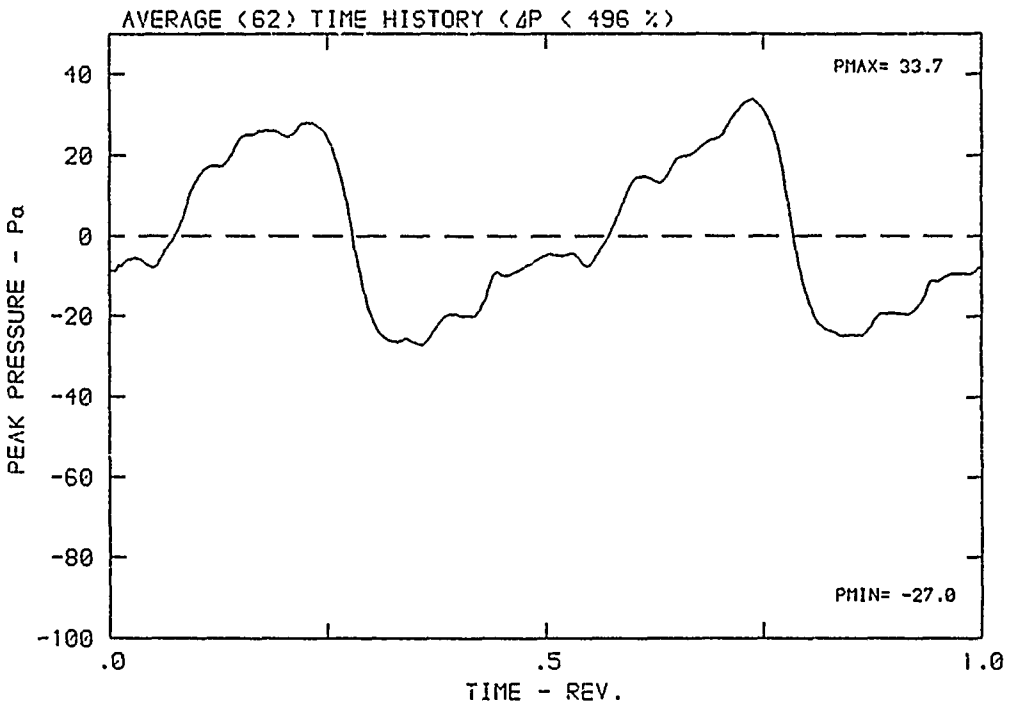
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

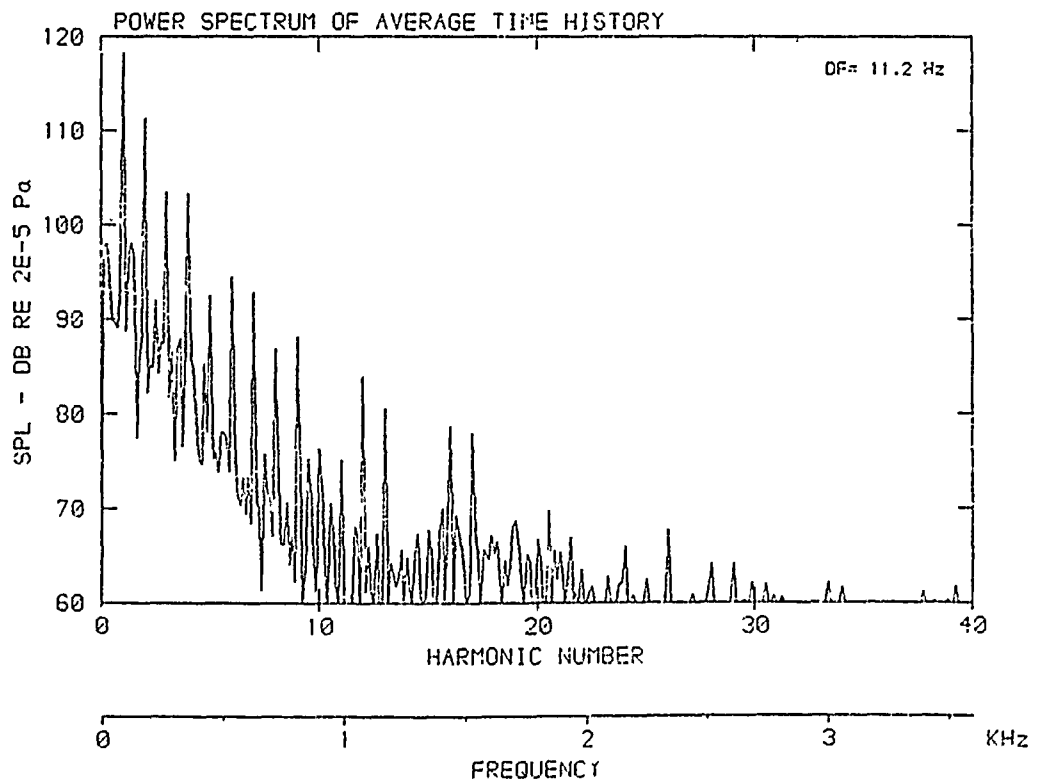




DATA POINT: AN-3 RUN: 65 MP: 7

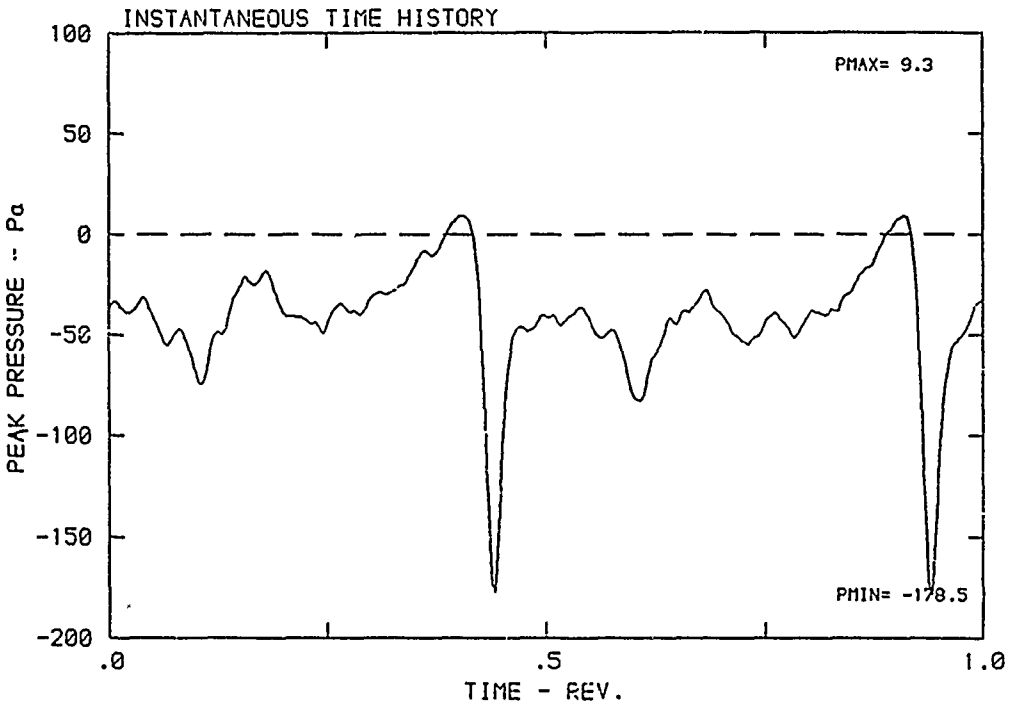
β: 20.8° MII: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

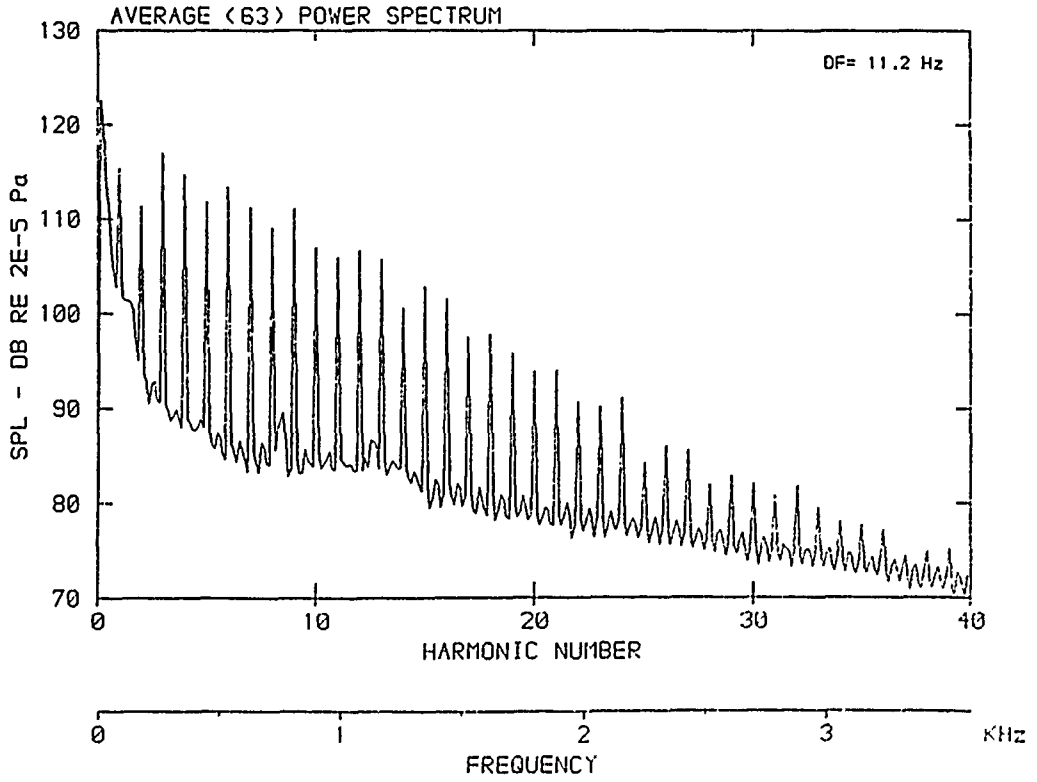




DATA POINT: AN-3 RUN: 65 MP: 9

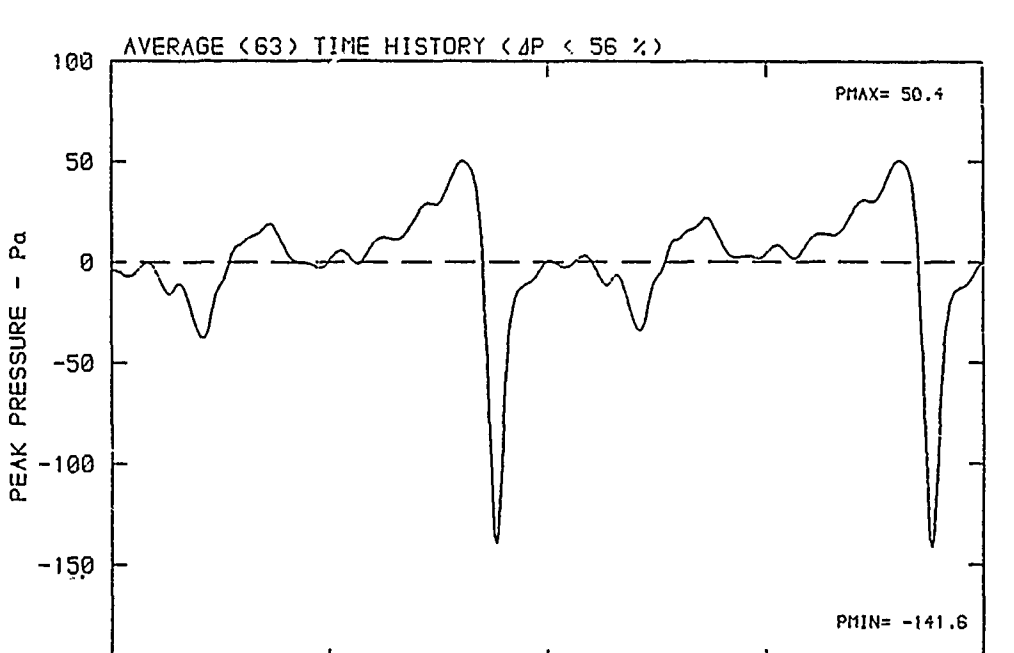
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

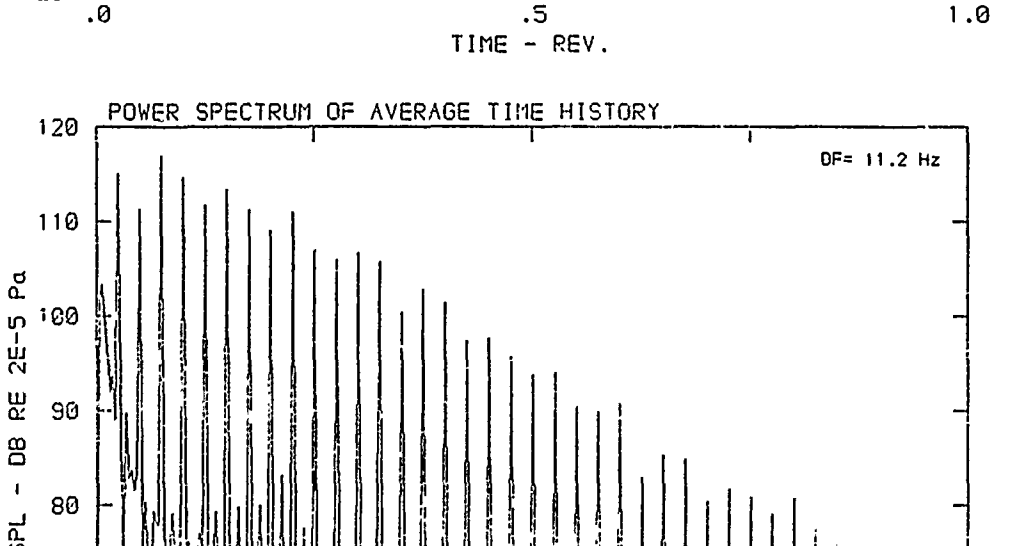




DATA POINT: AN-3 RUN: 65 MP: 9

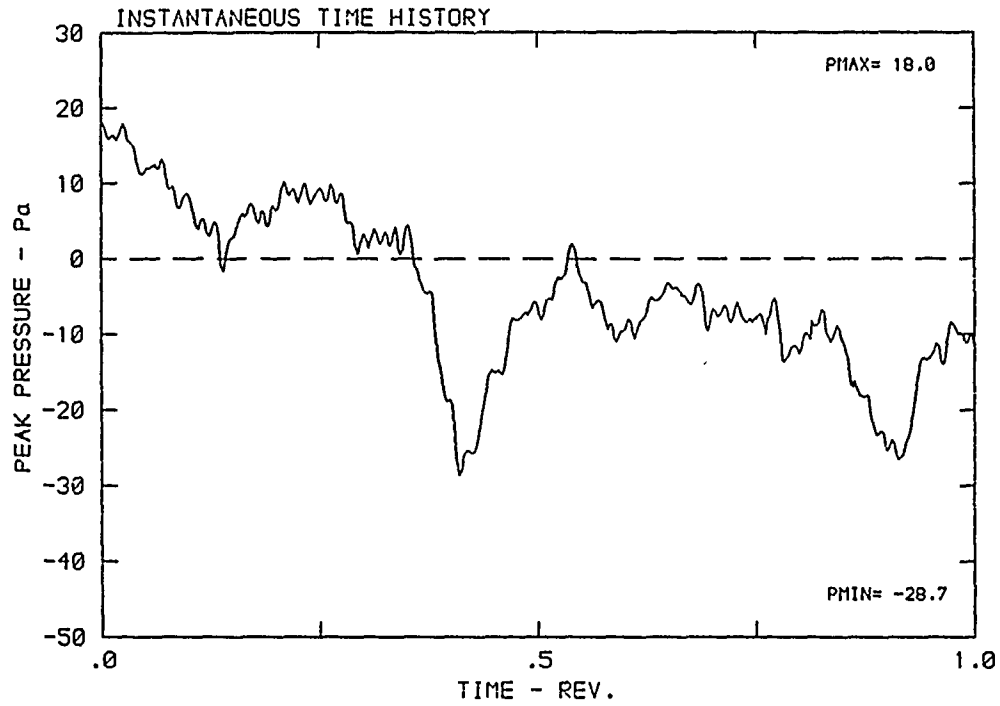
β: 20.8° MH: .8688 n: 2700 rpm v/u: .242 ϕ: .0° T: 287.9 K

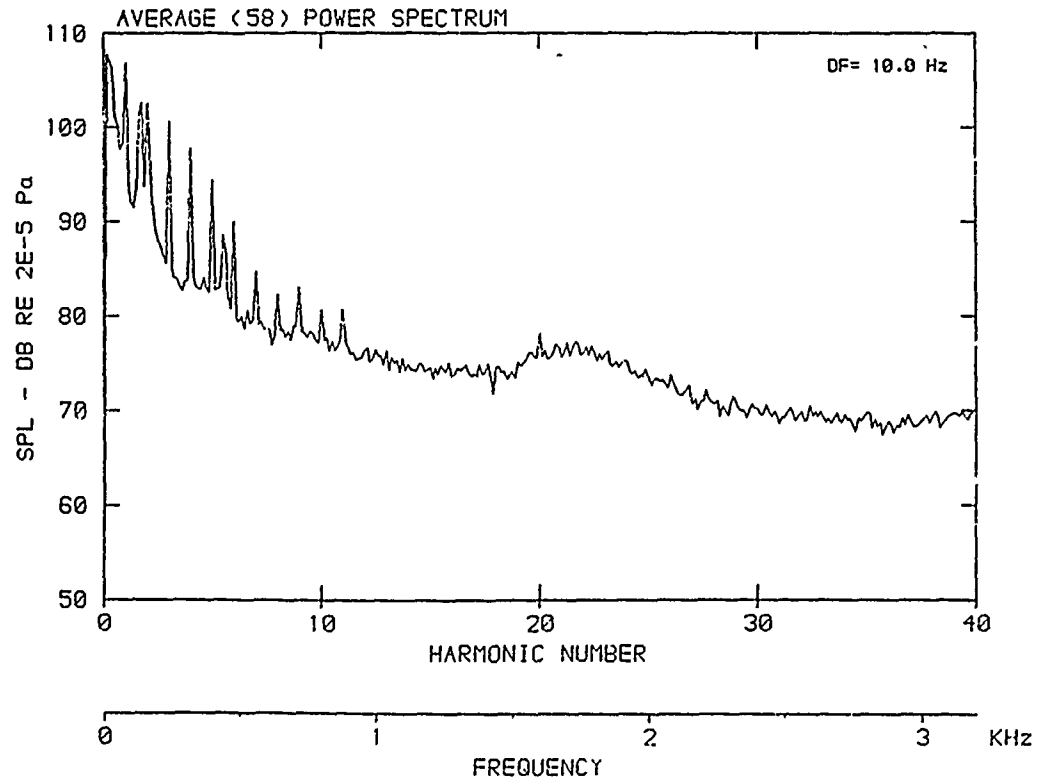




DATA POINT: AN-4 RUN: 67 MP: 1

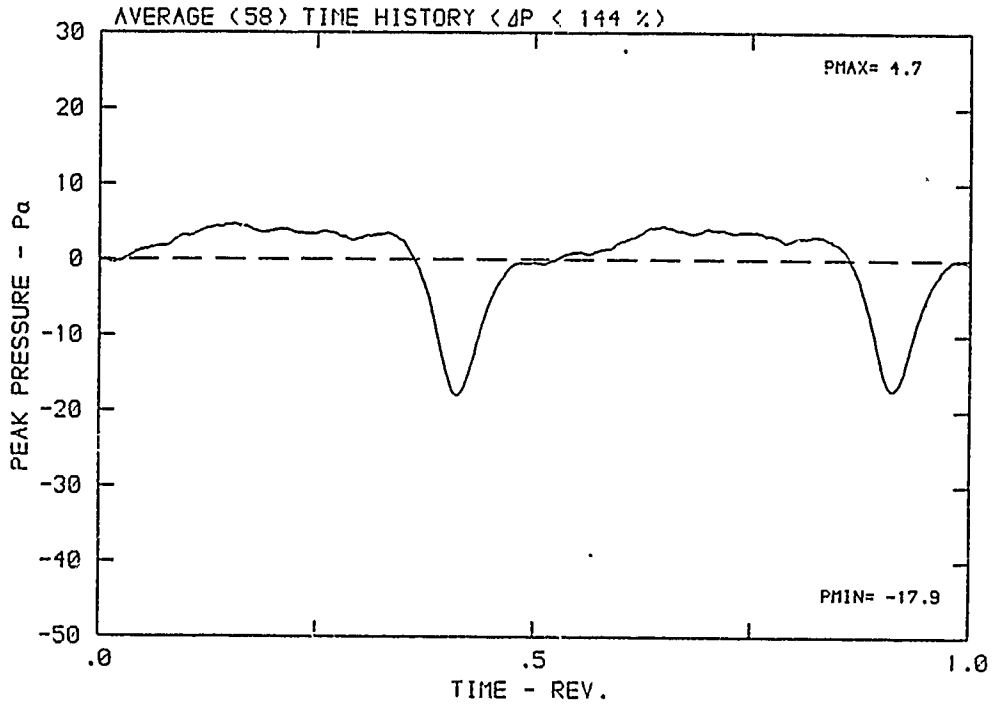
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 φ: .0° T: 290.3 K

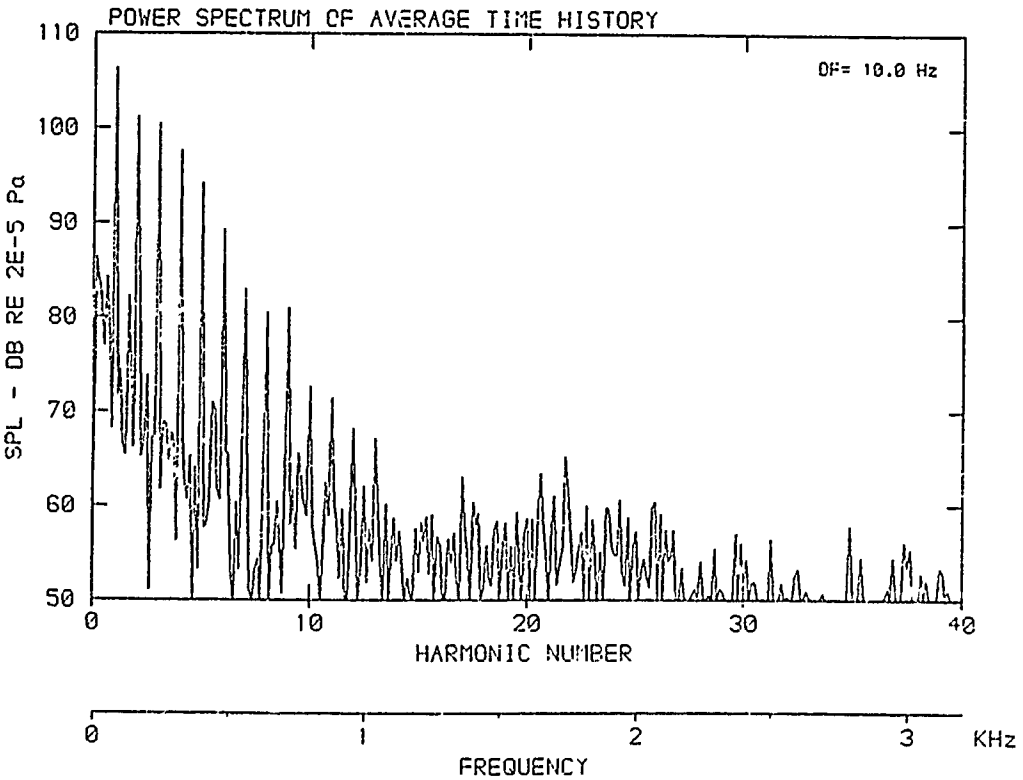




DATA POINT: AN-4 RUN: 67 MP: 1

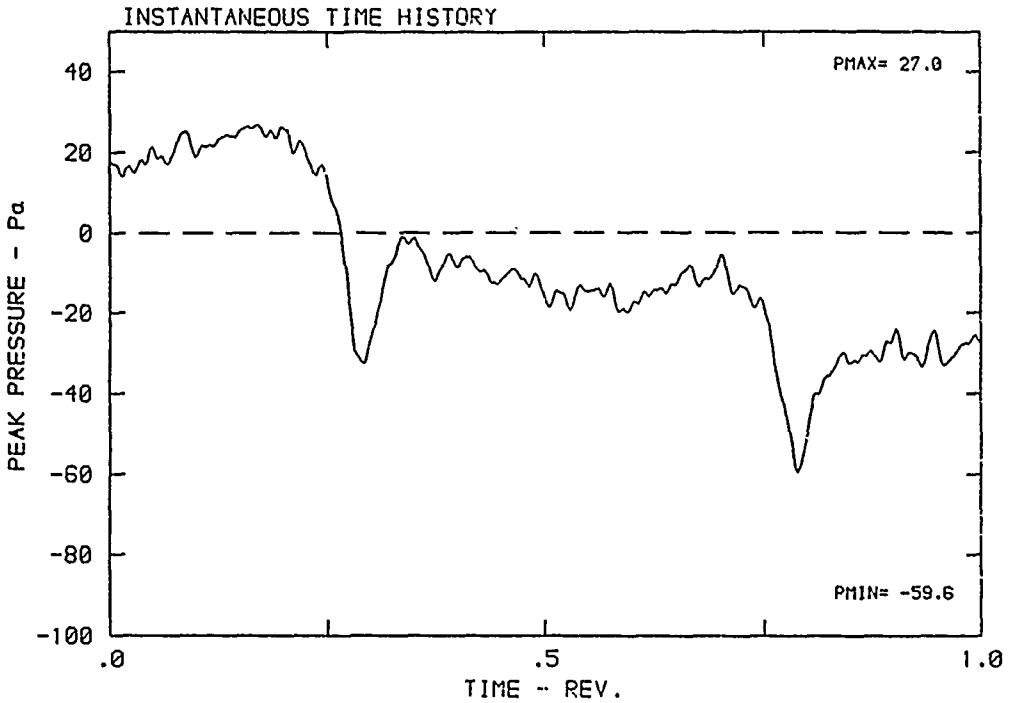
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

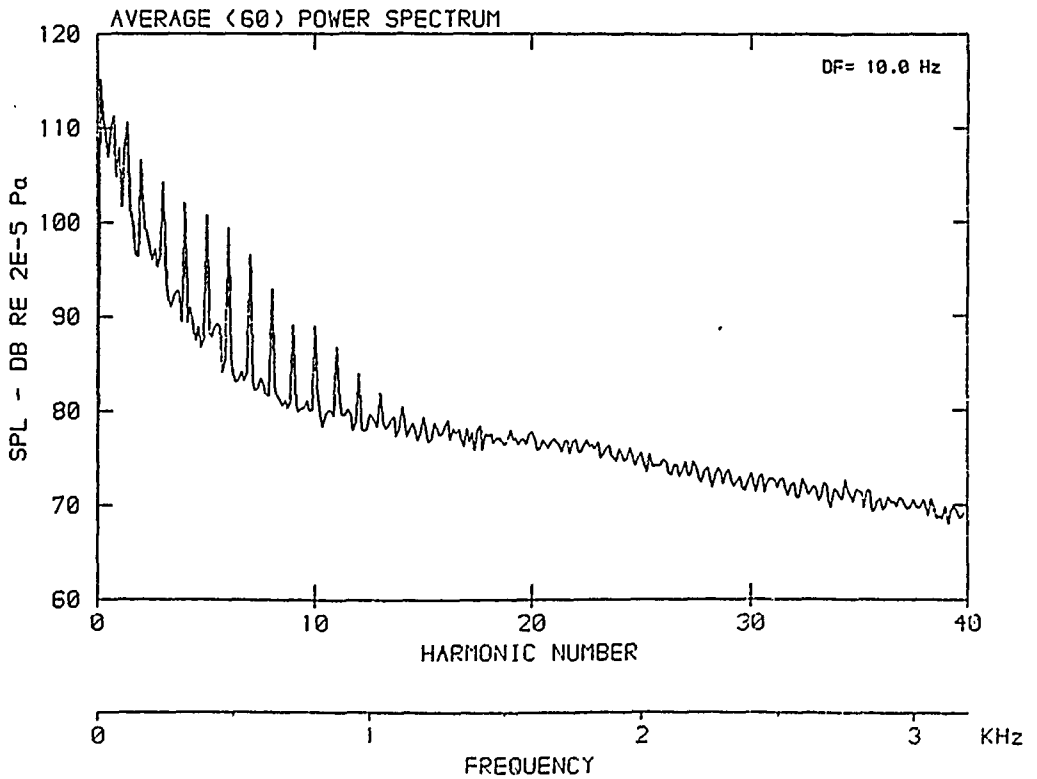




DATA POINT: AN-4 RUN: 67 MP: 2

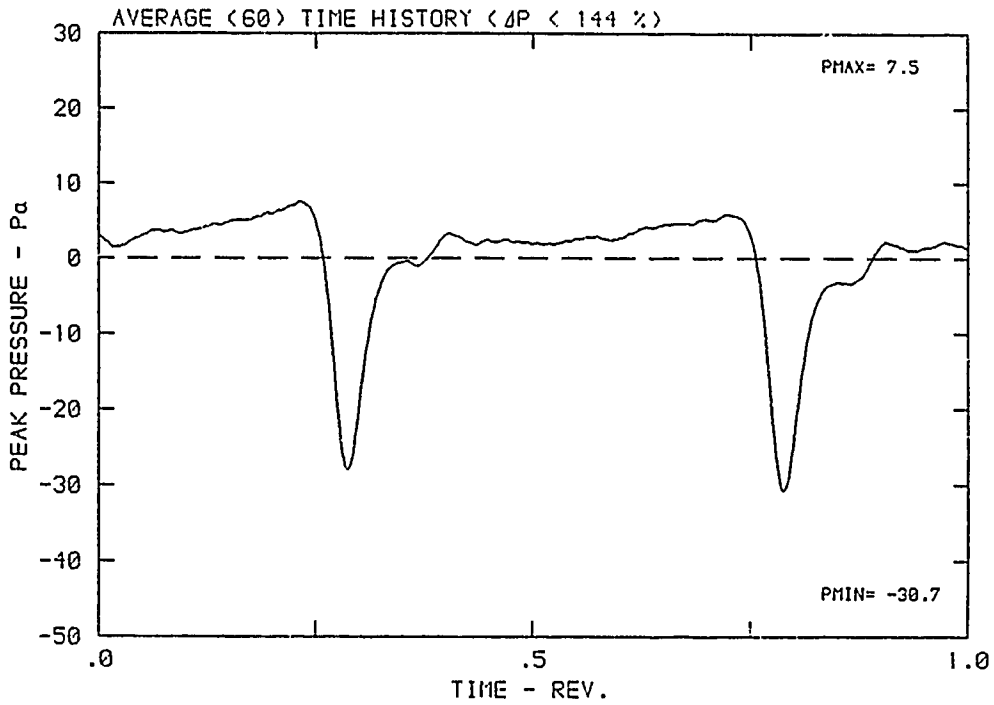
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

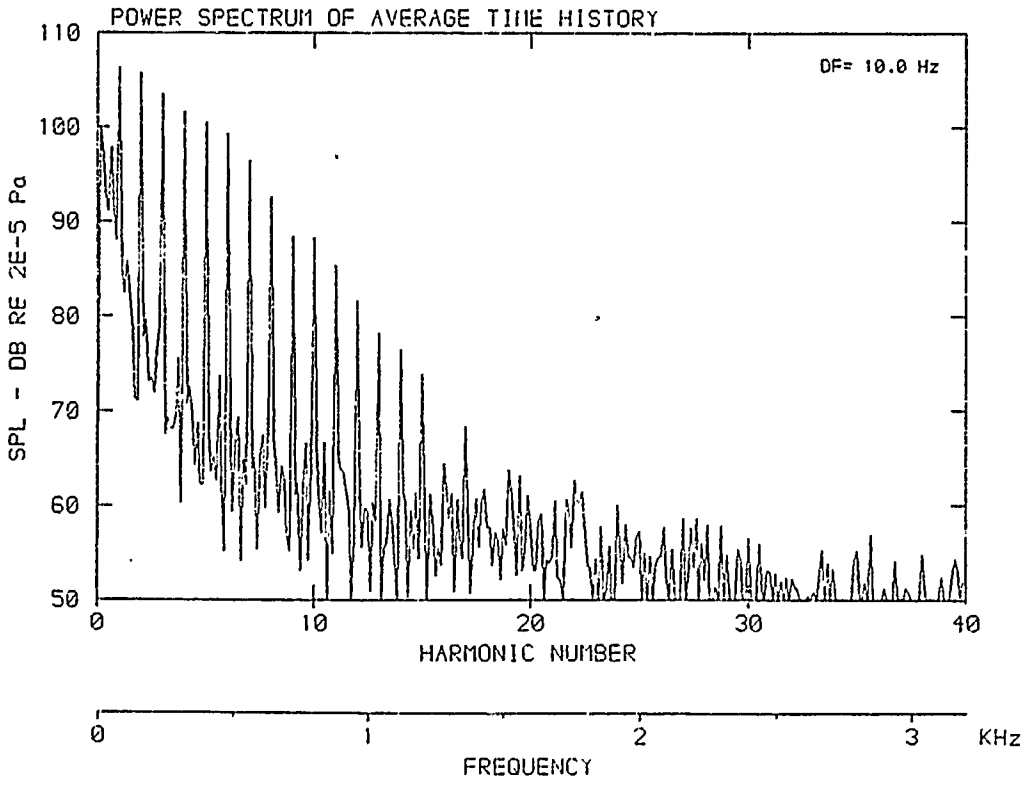




DATA POINT: AN-4 RUN: 67 MP: 2

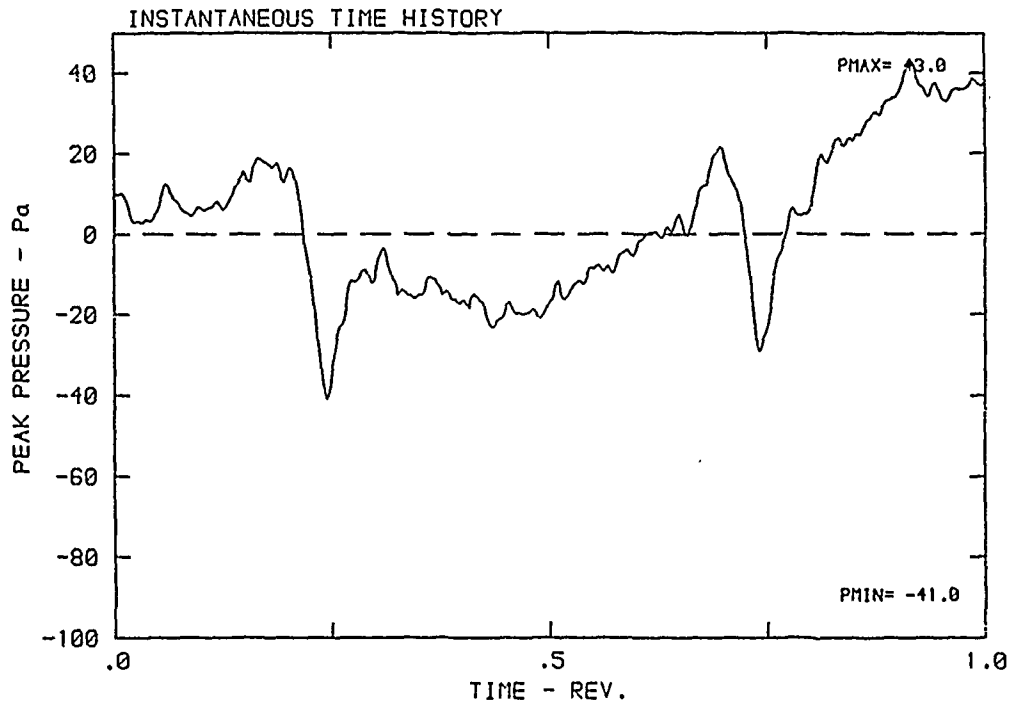
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

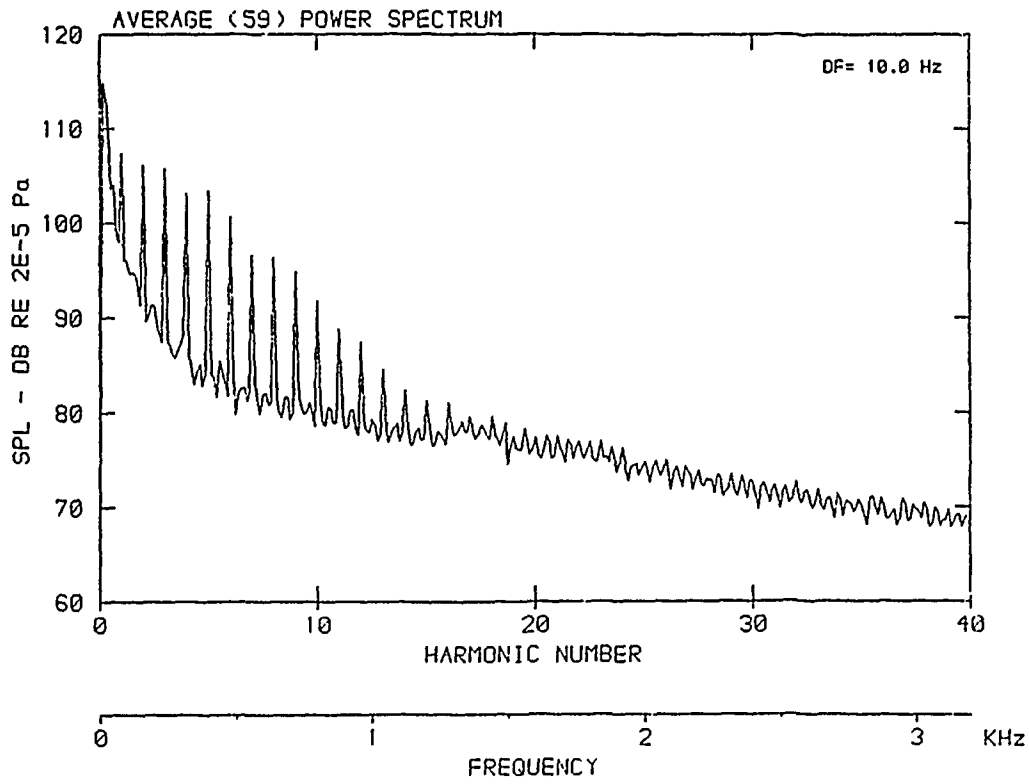




DATA POINT: AN-4	RUN: 67	MP: 3

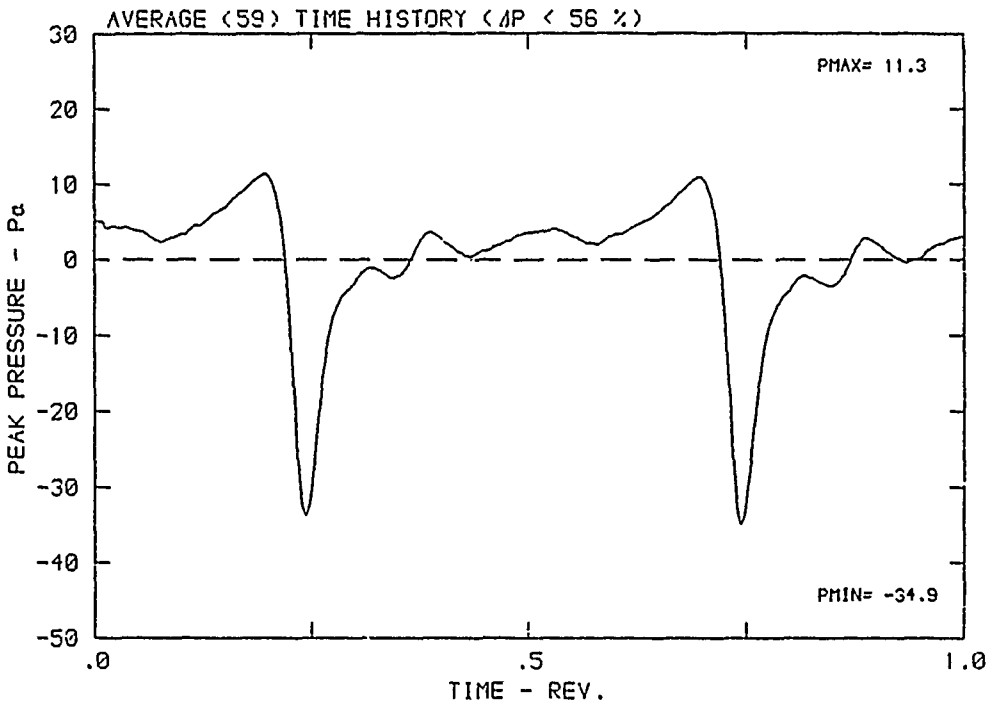
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

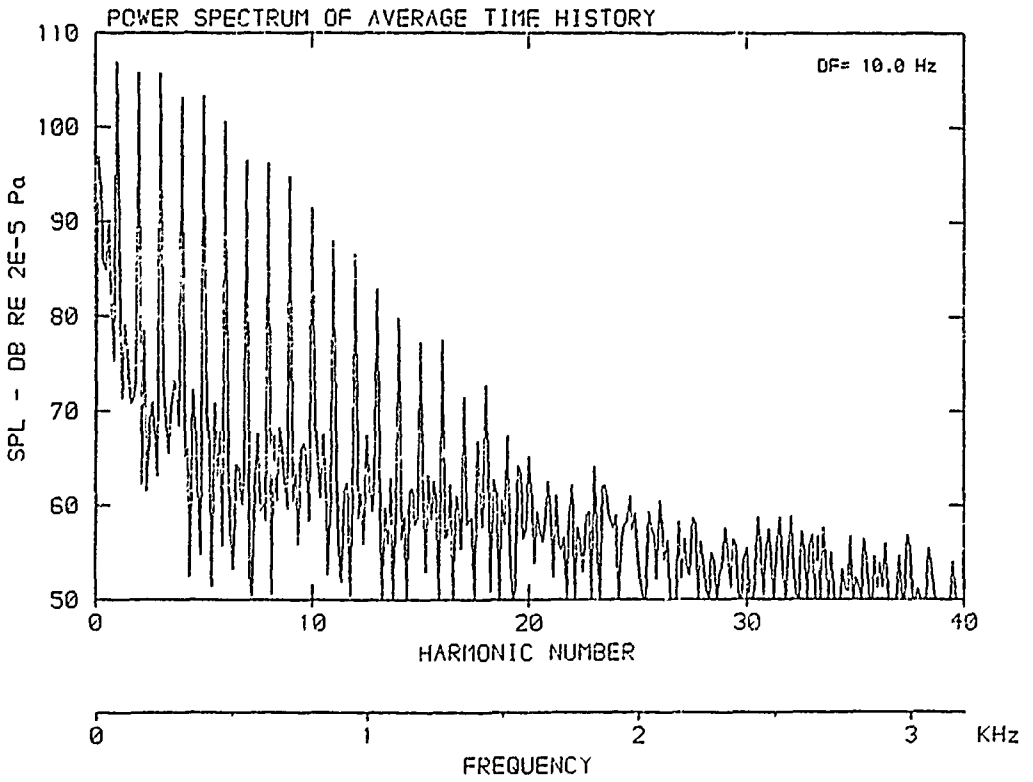




DATA POINT: AN-4 RUN: 67 MP: 3

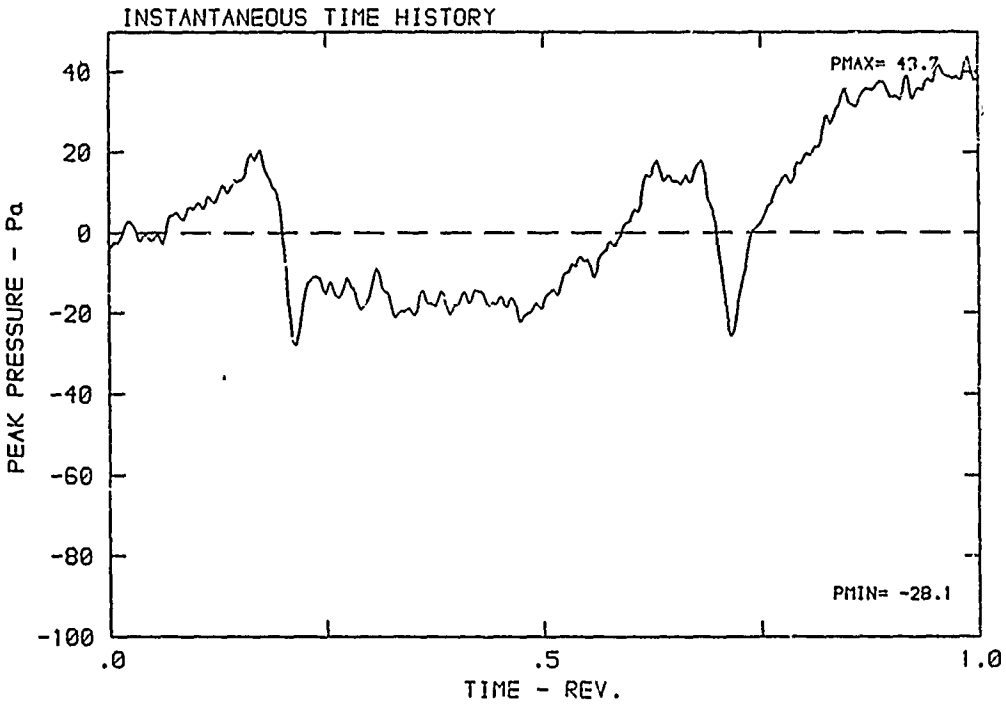
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

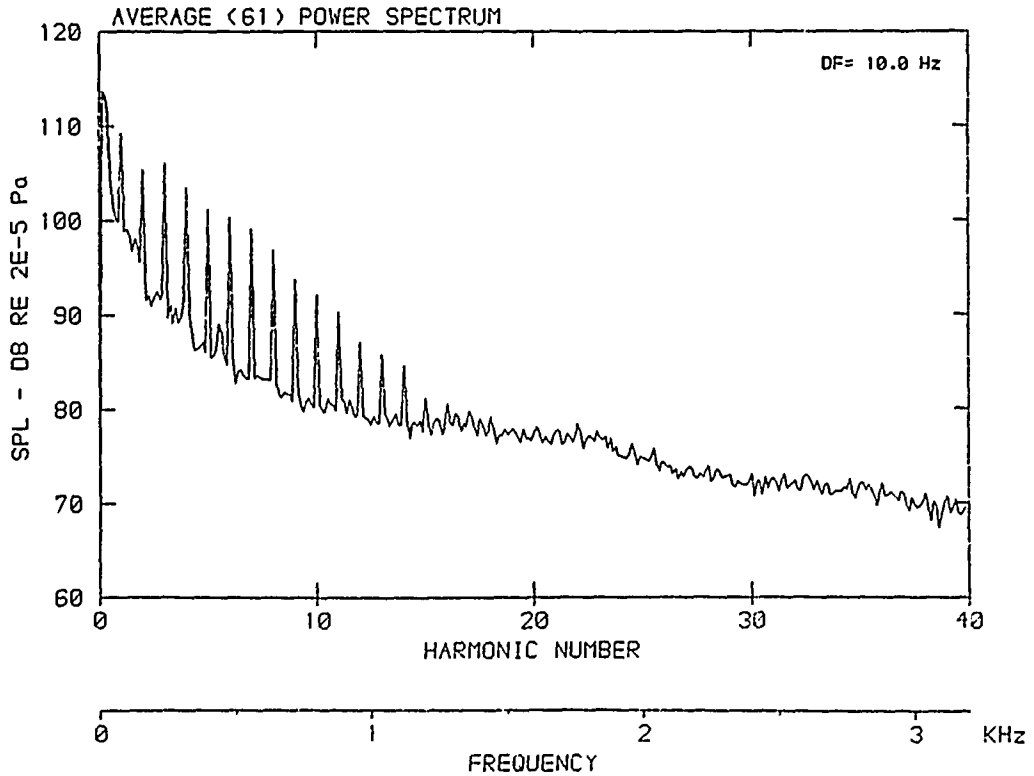




DATA POINT: AN-4 RUN: 67 MP: 4

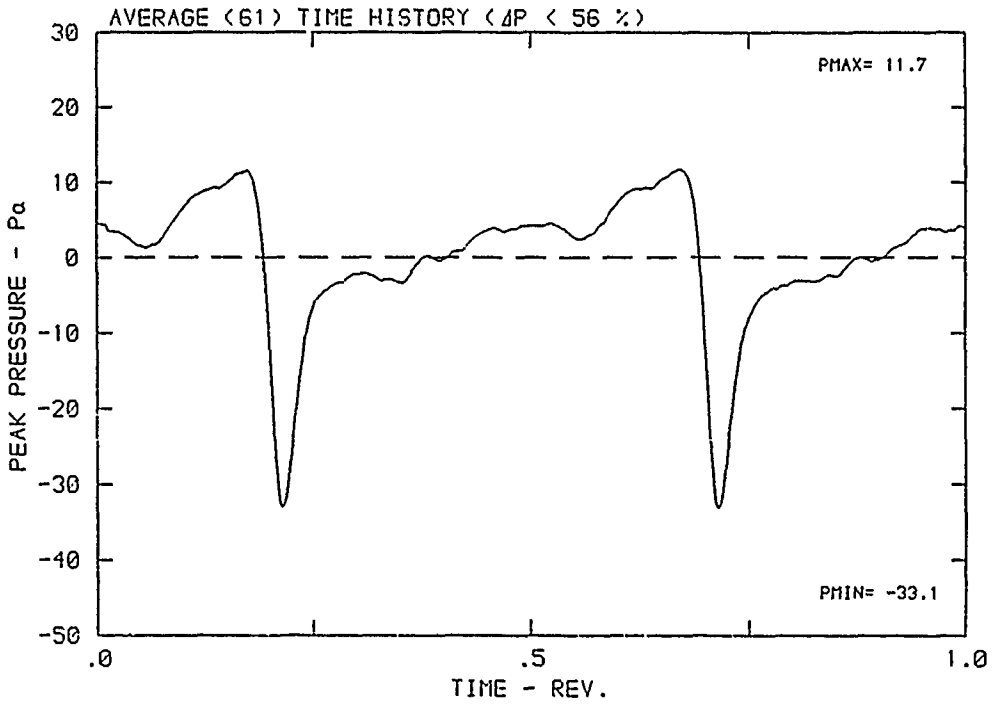
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

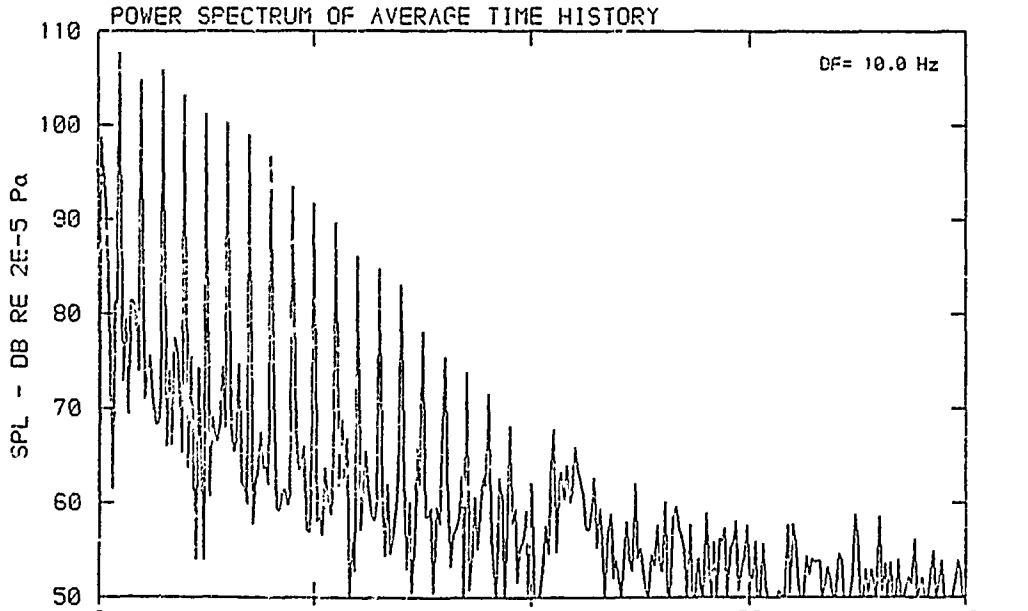




DATA POINT: AN-4 RUN: 67 MP: 4

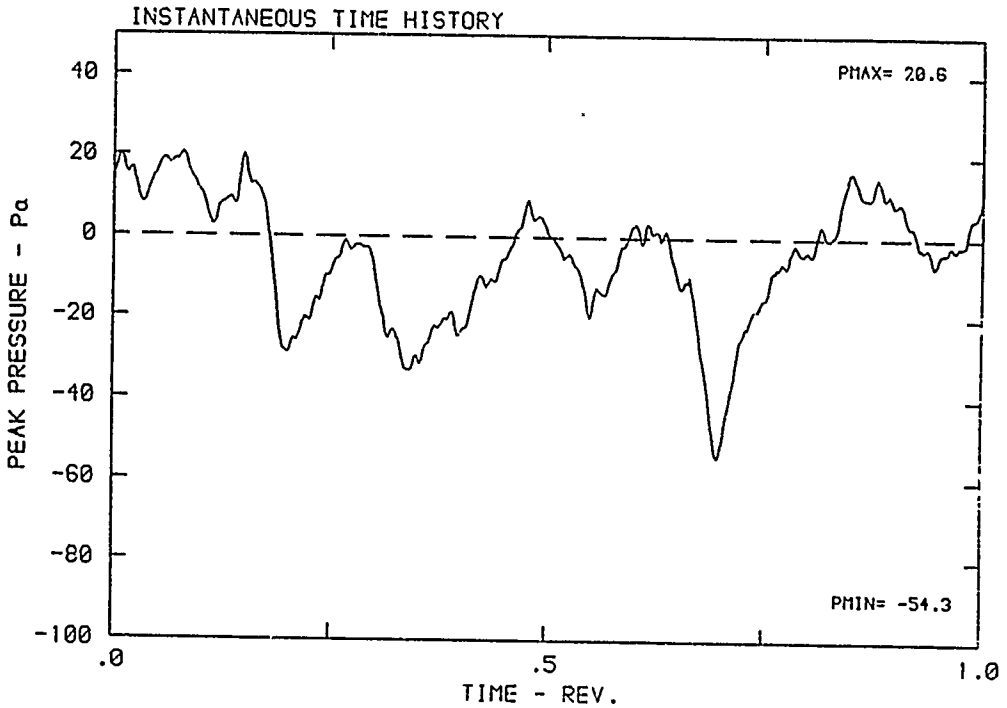
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

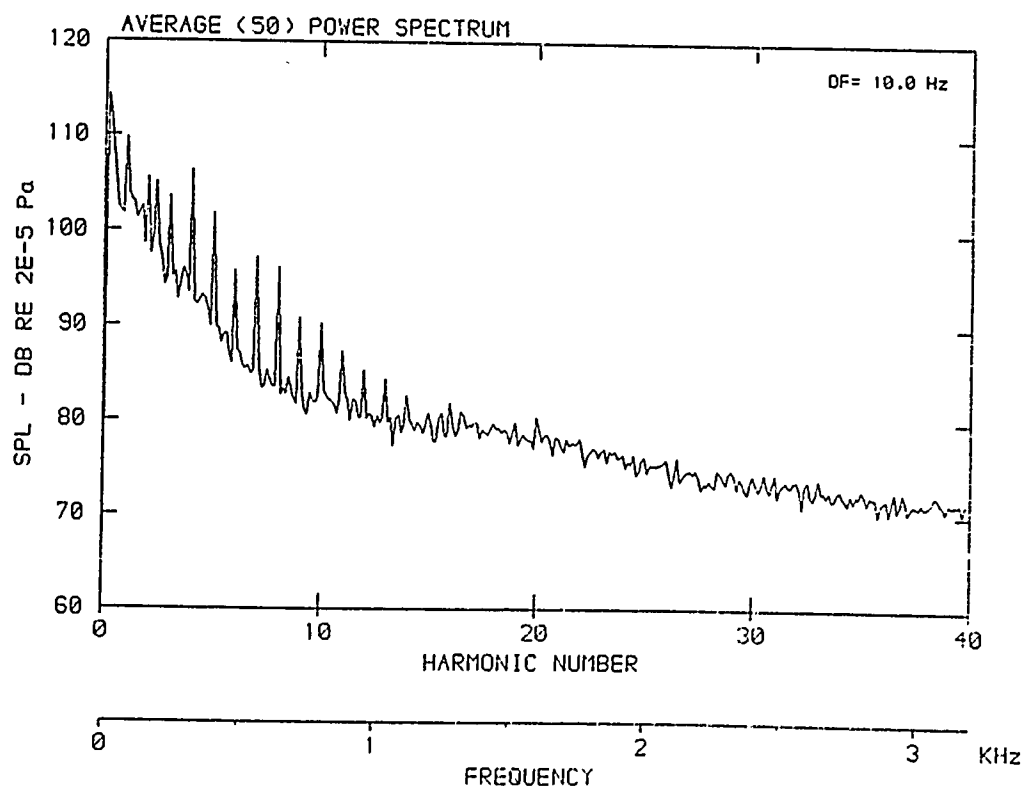




DATA POINT: AN-4 RUN: 67 MP: 5

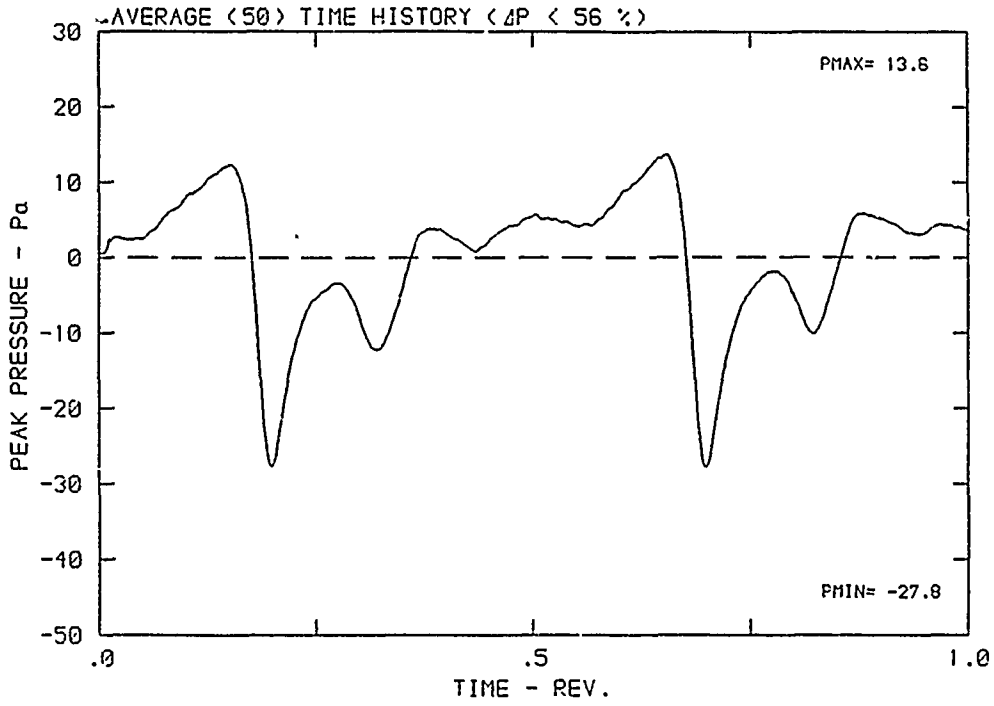
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

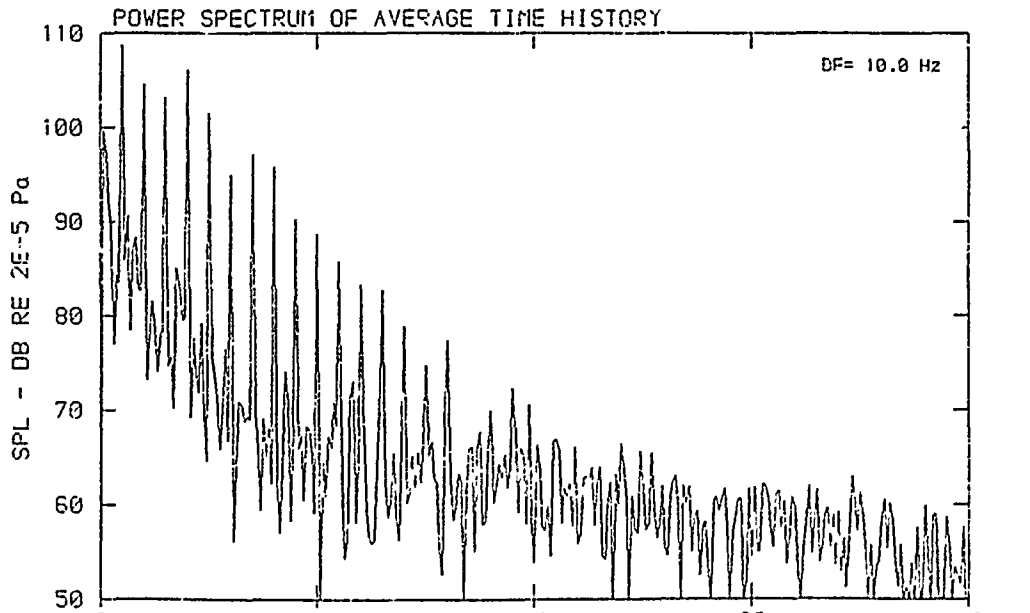




DATA POINT: AN-4 RUN: 67 MP: 5

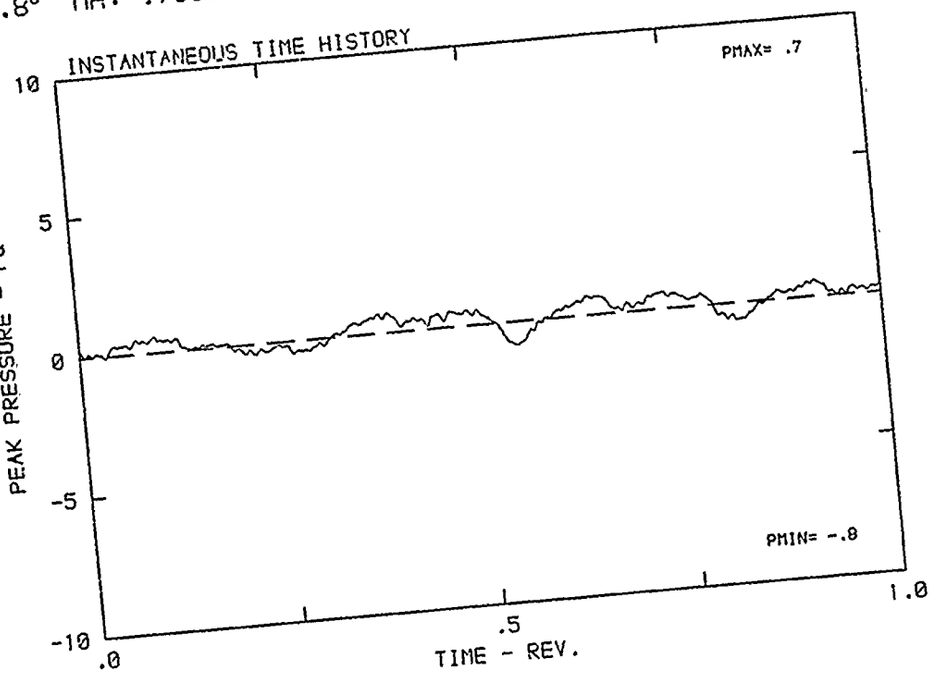
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

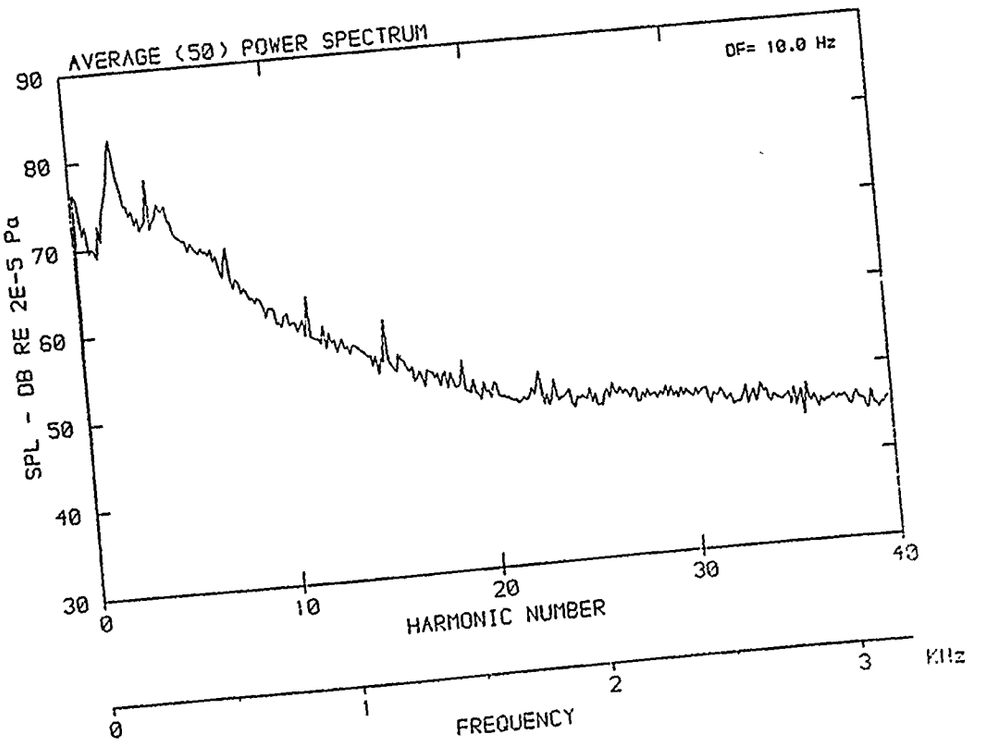




DATA POINT: AN-4 RUN: 67 MP: 5

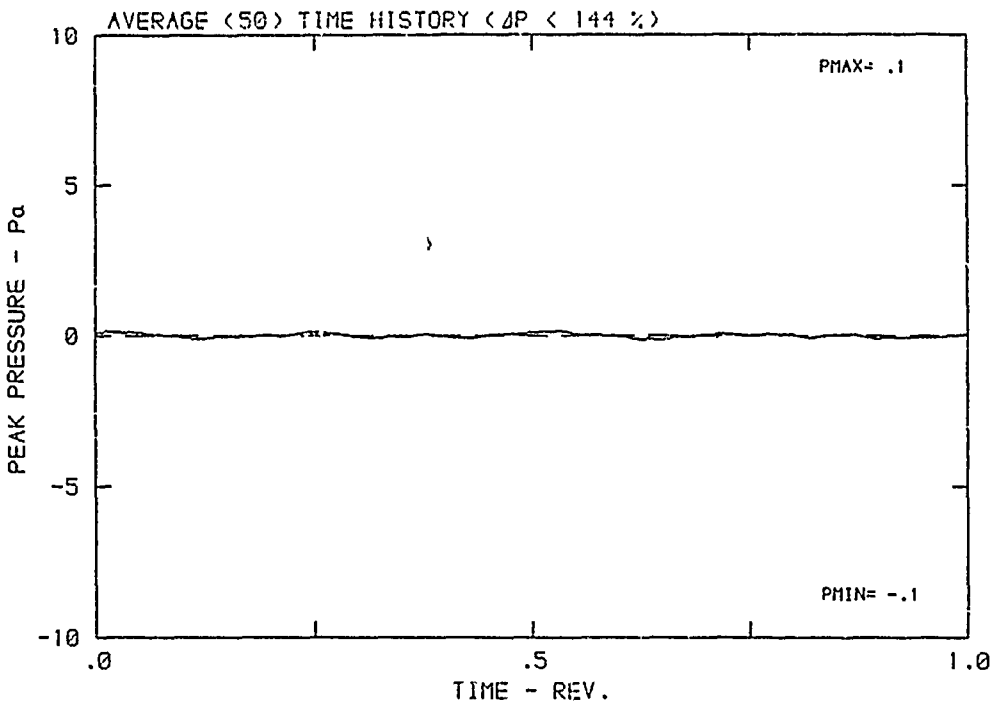
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

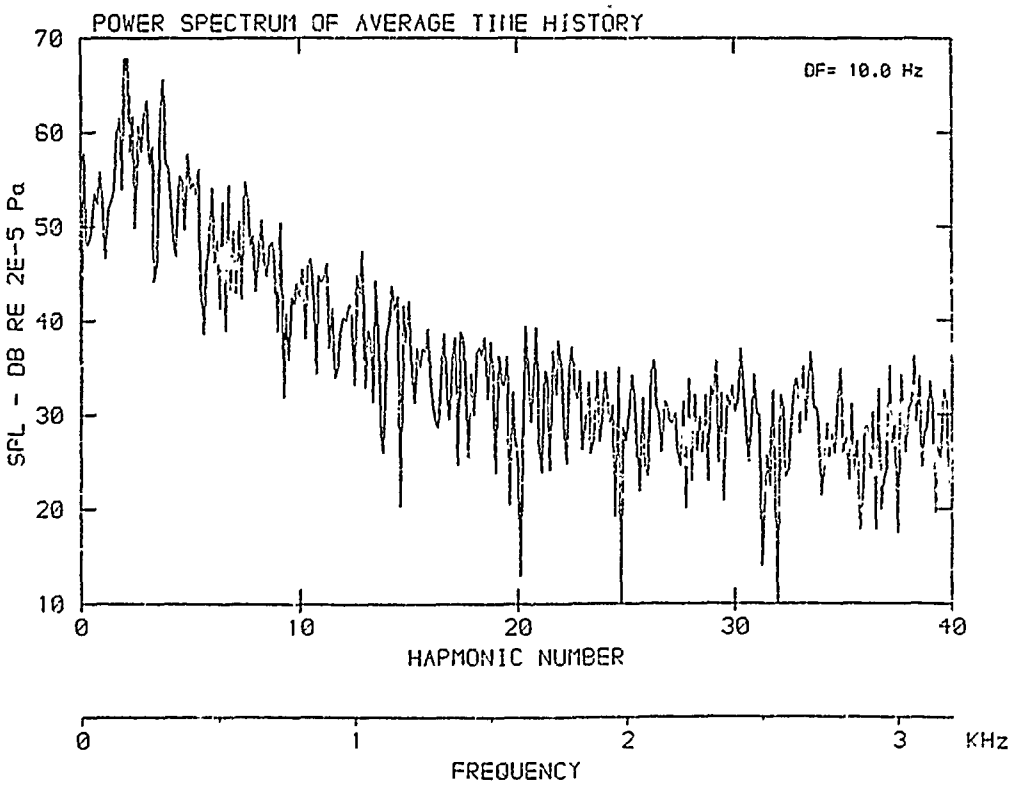




DATA POINT: AN-4 RUN: 67 MP: 6

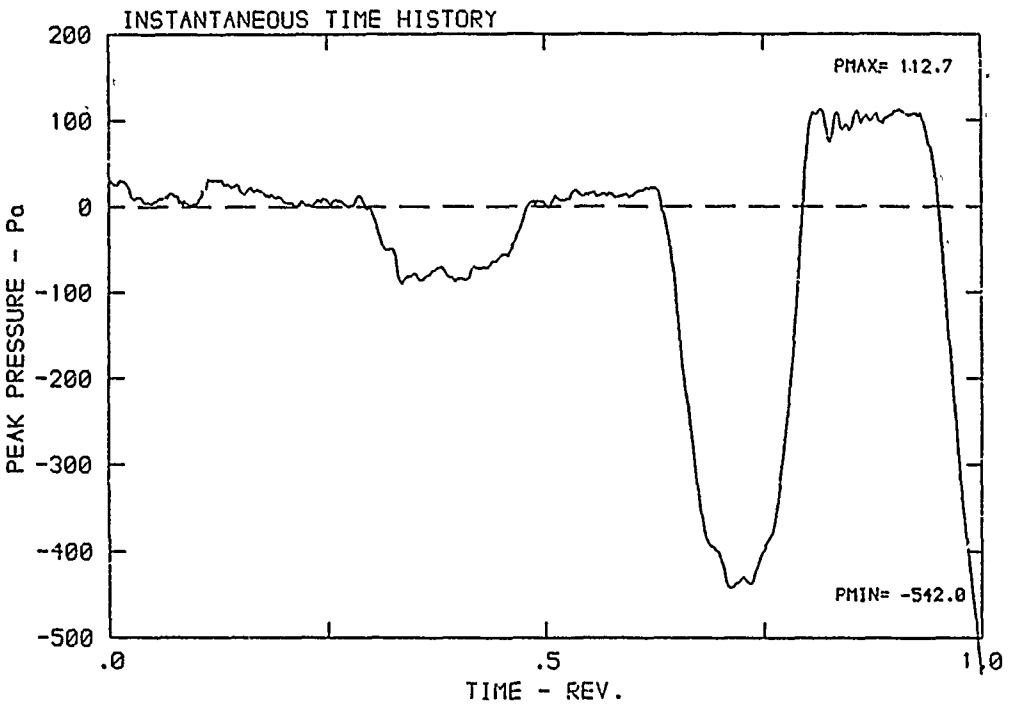
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

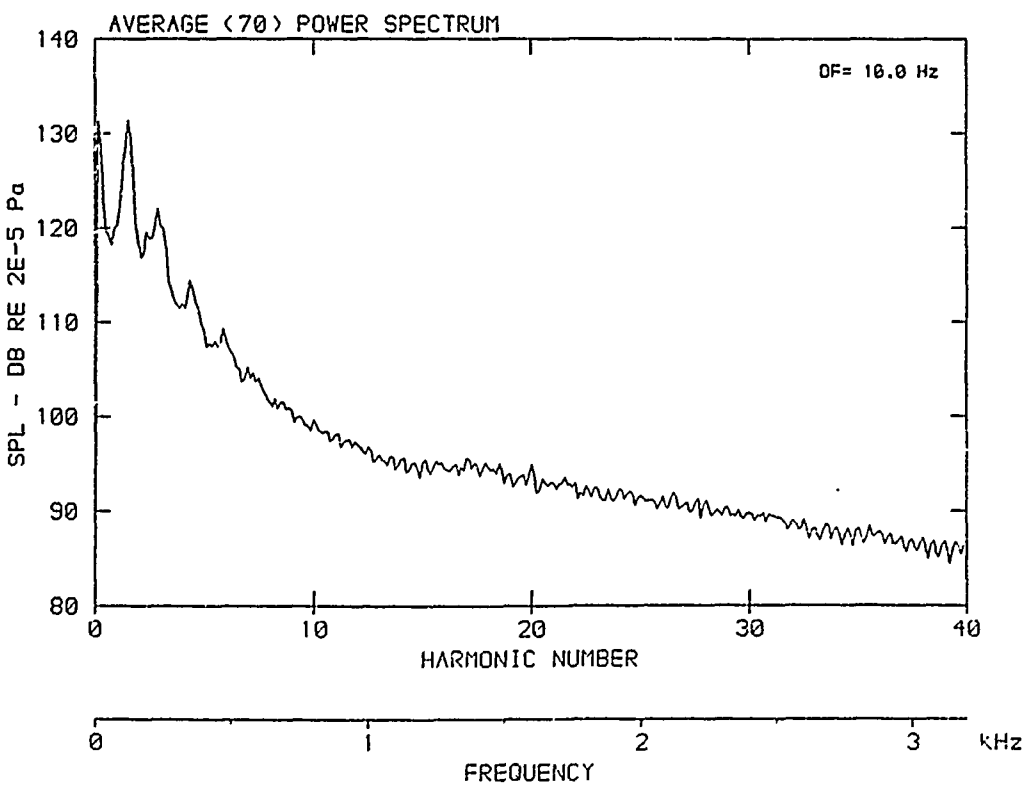




DATA POINT: AN-4 RUN: 67 MP: 7

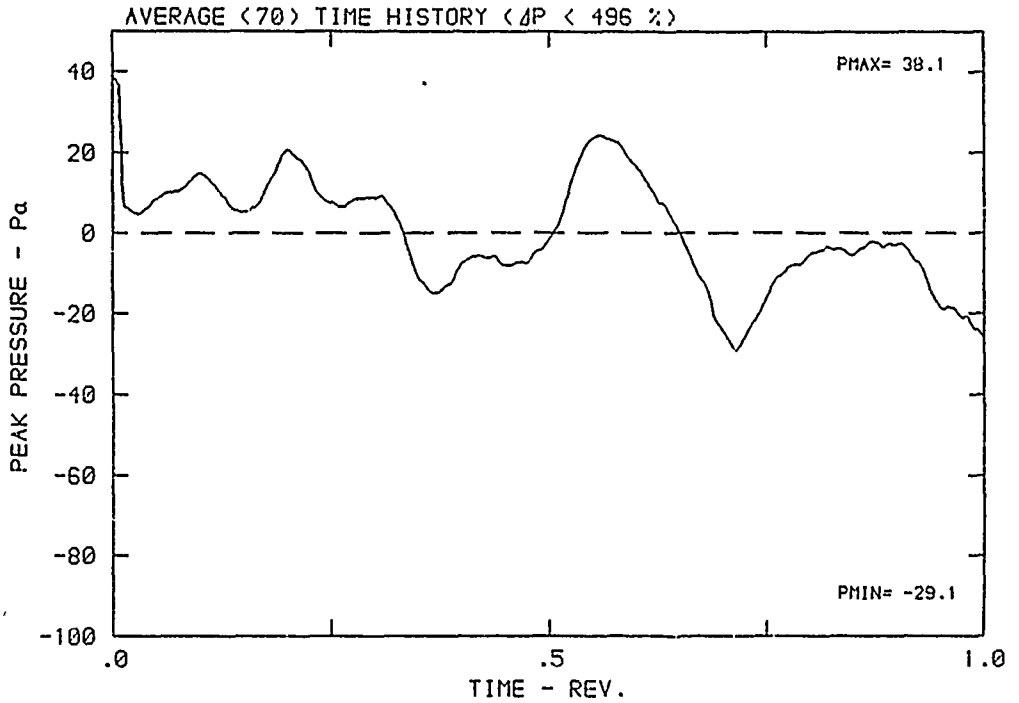
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

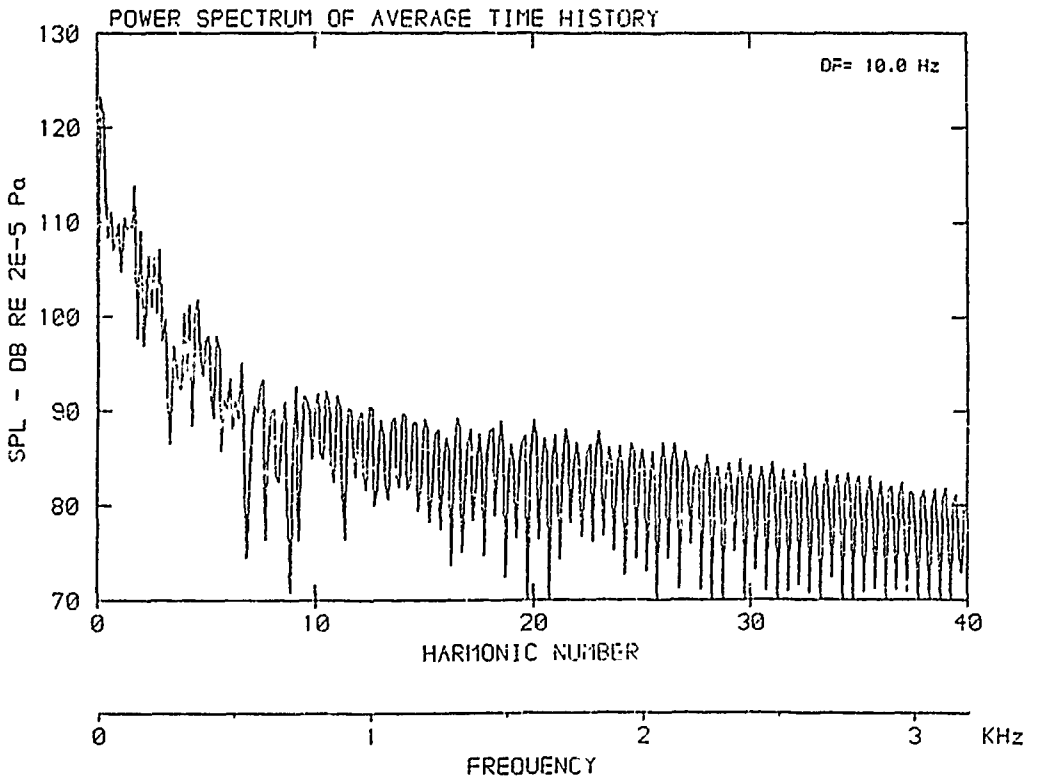




DATA POINT: AN-4 RUN: 67 MP: 7

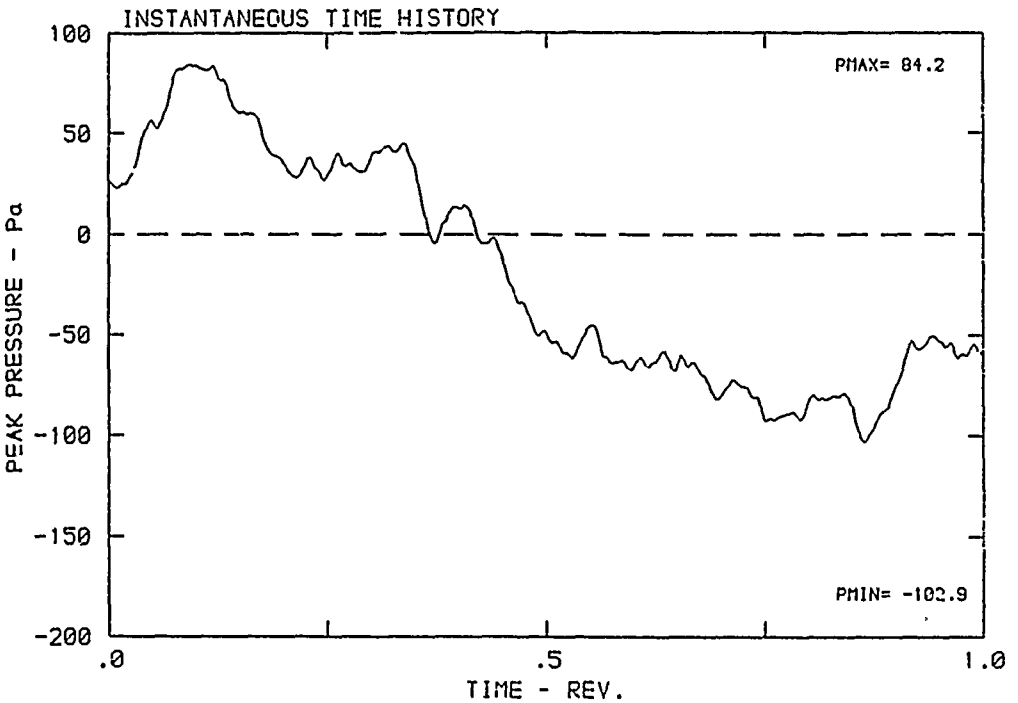
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

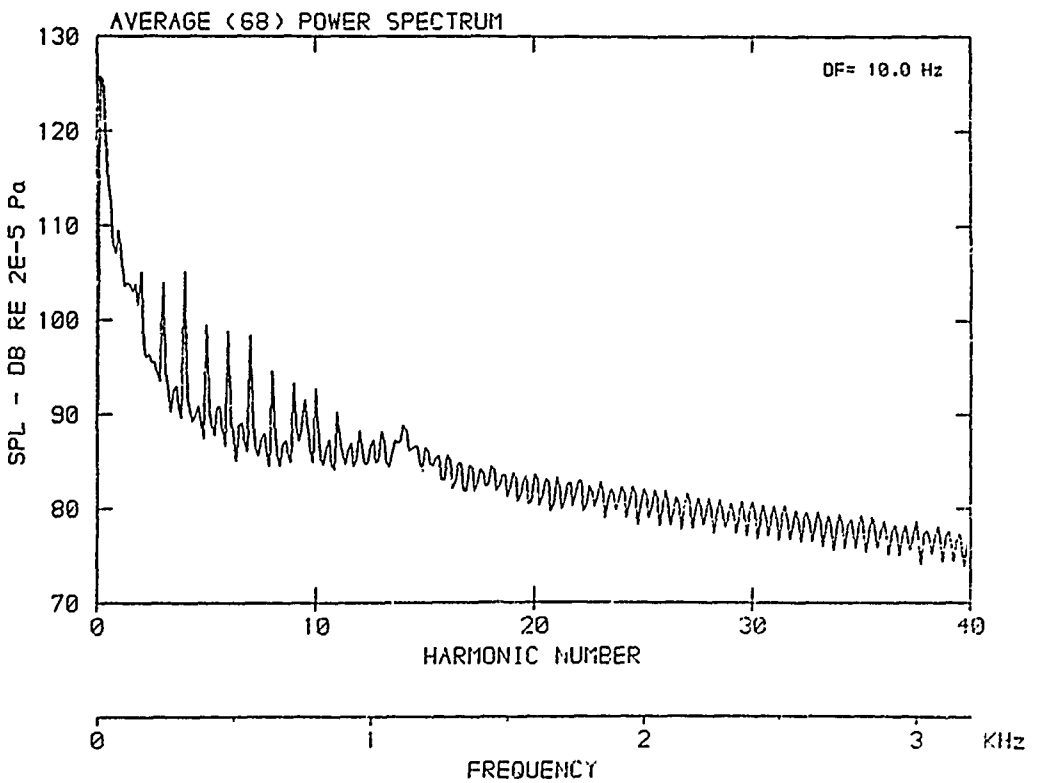




DATA POINT: AN-4	RUN: 67	MP: 9

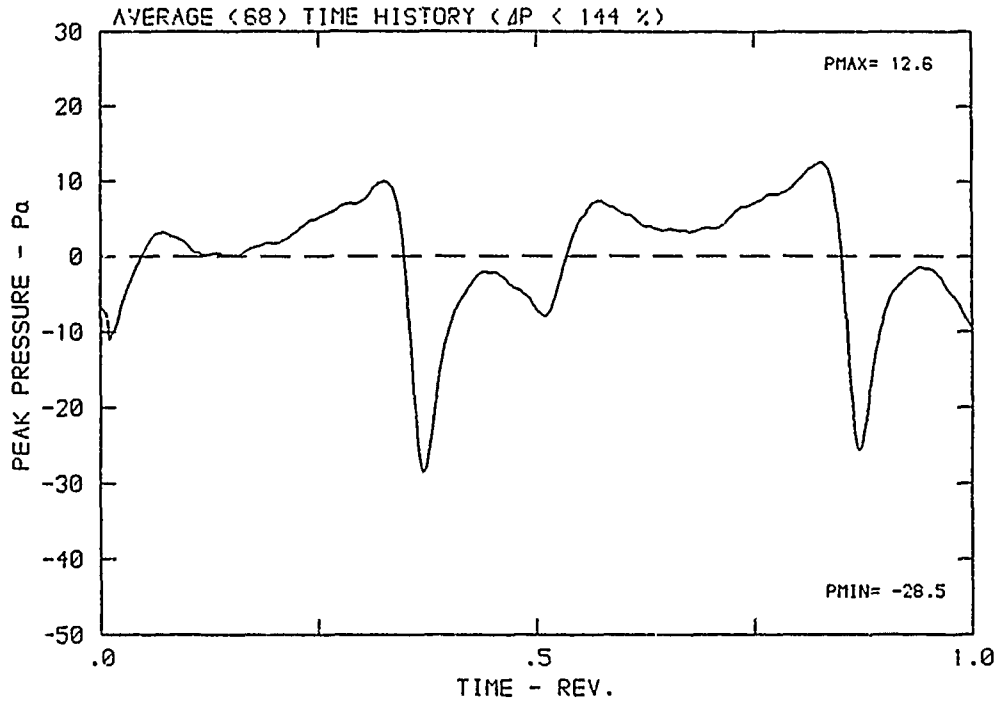
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

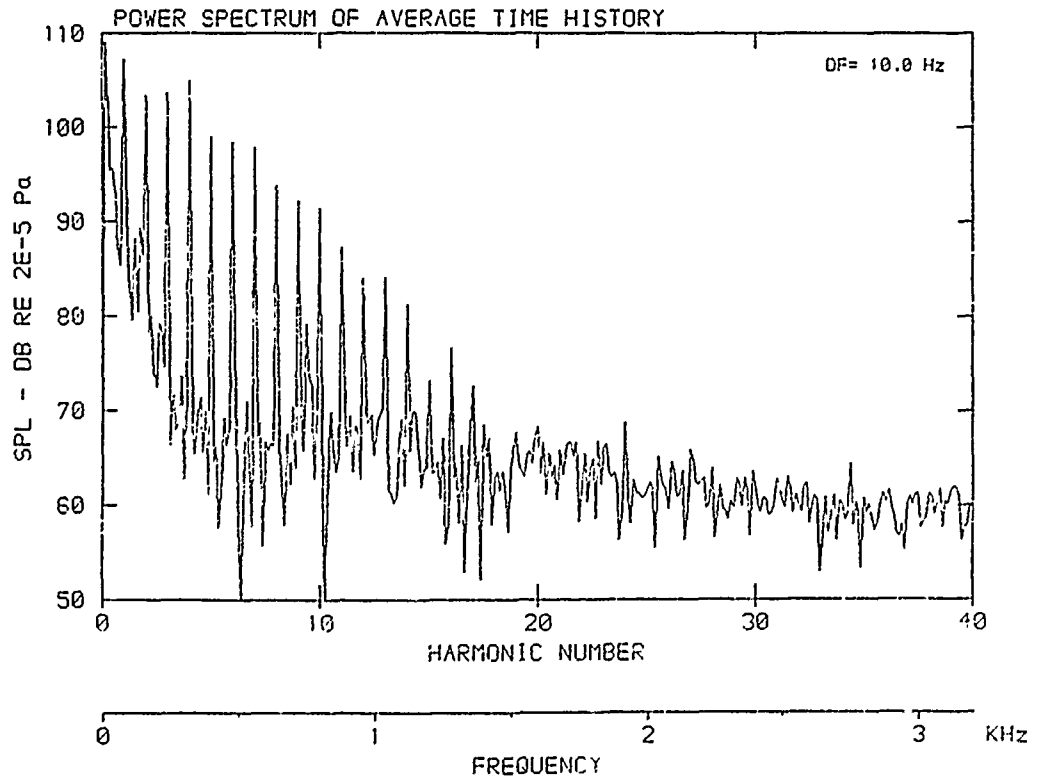




DATA POINT: AN-4	RUN: 67	MP: 9

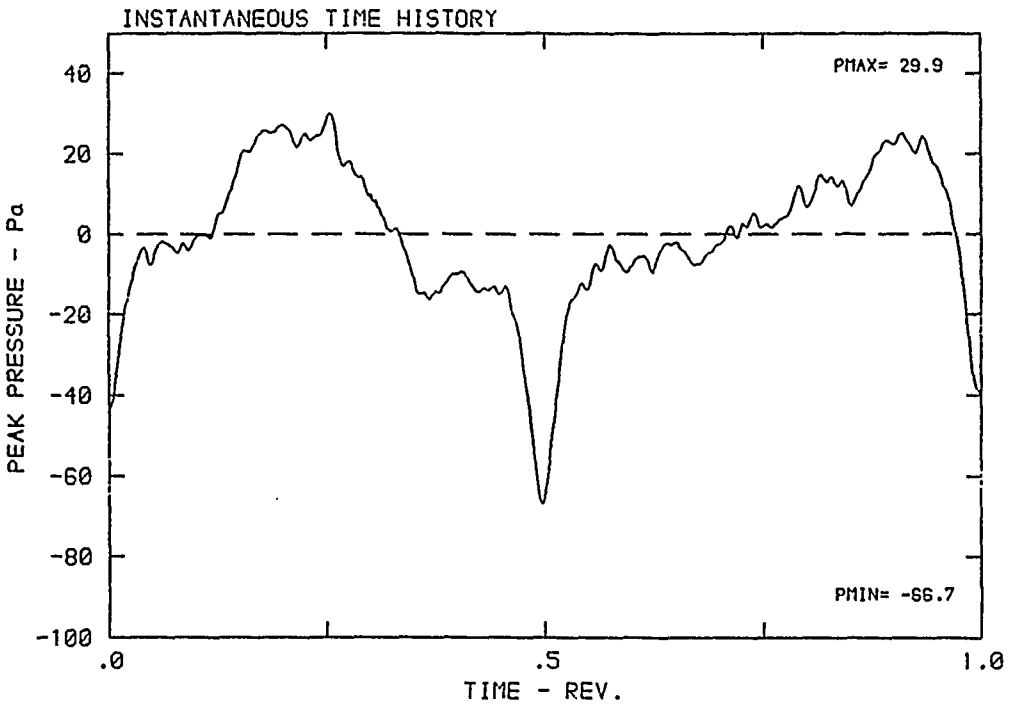
β: 20.8° MH: .7809 n: 2400 rpm v/u: .302 ϕ: .0° T: 290.3 K

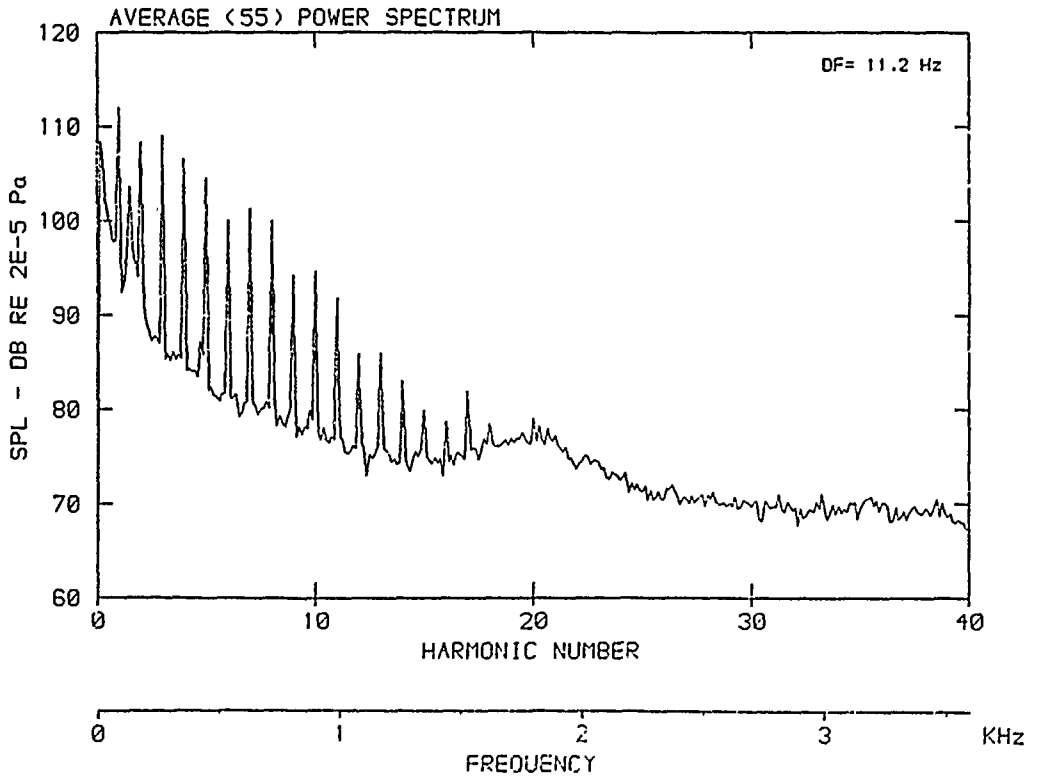




DATA POINT: AN-5 RUN: 66 MP: 1

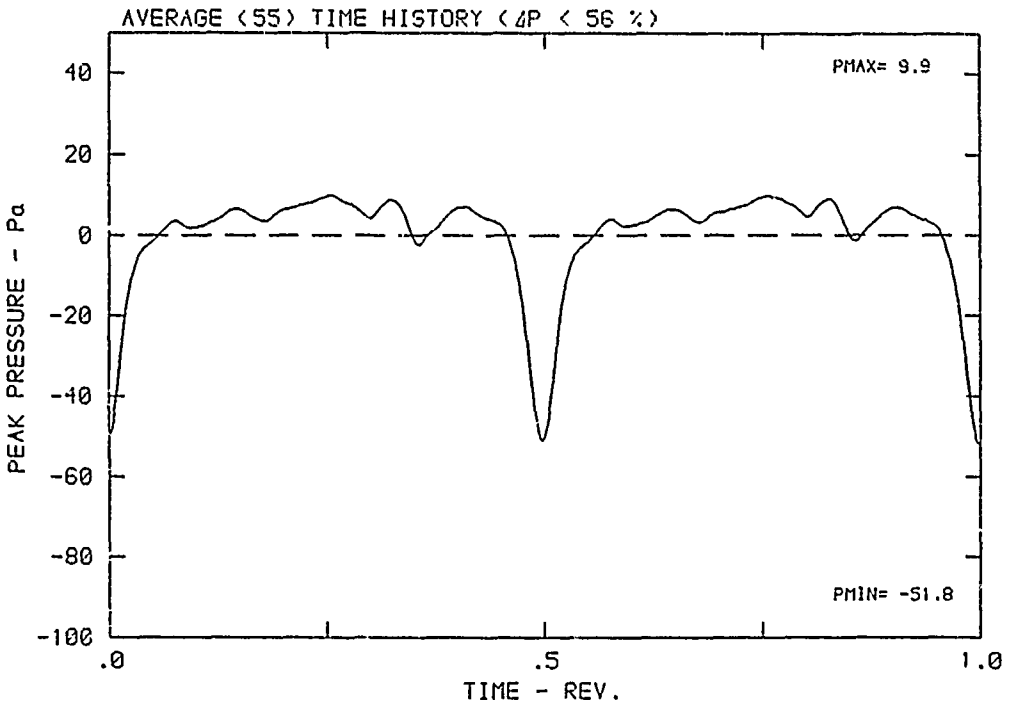
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

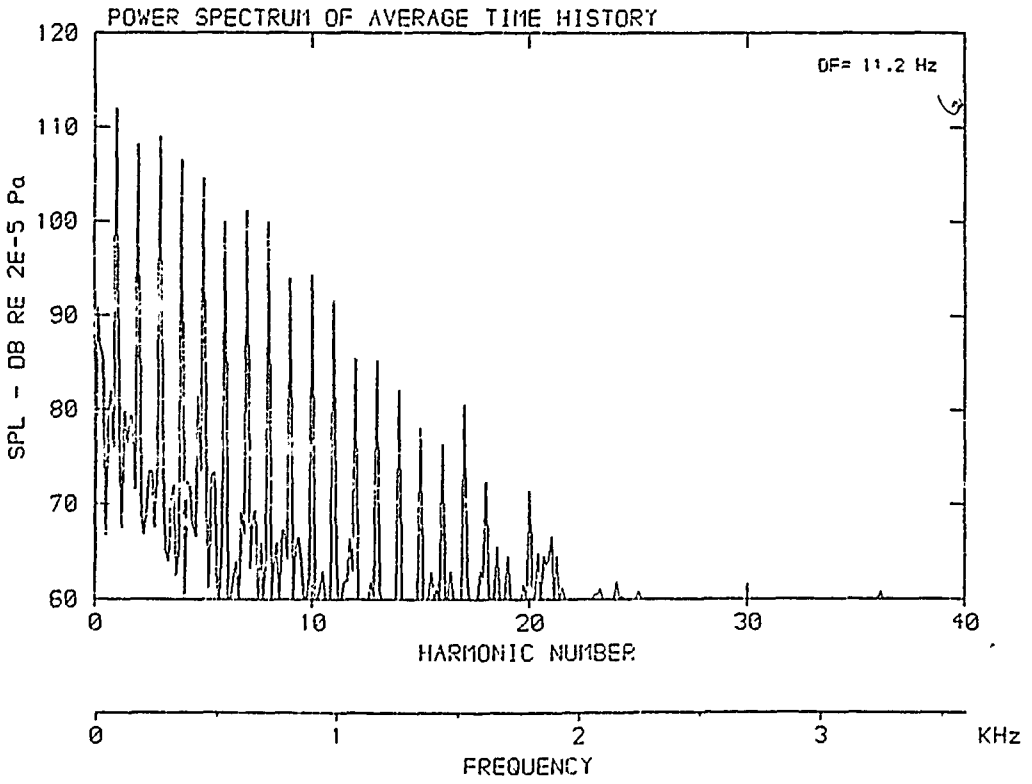




DATA POINT: AN-5 RUN: 66 MP: 1

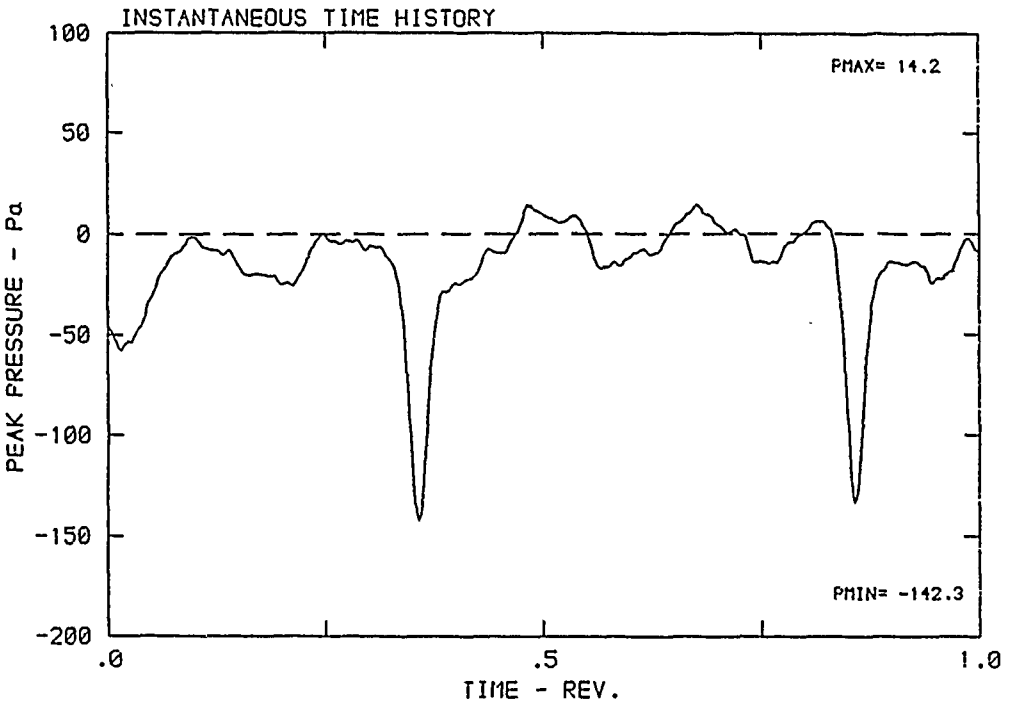
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

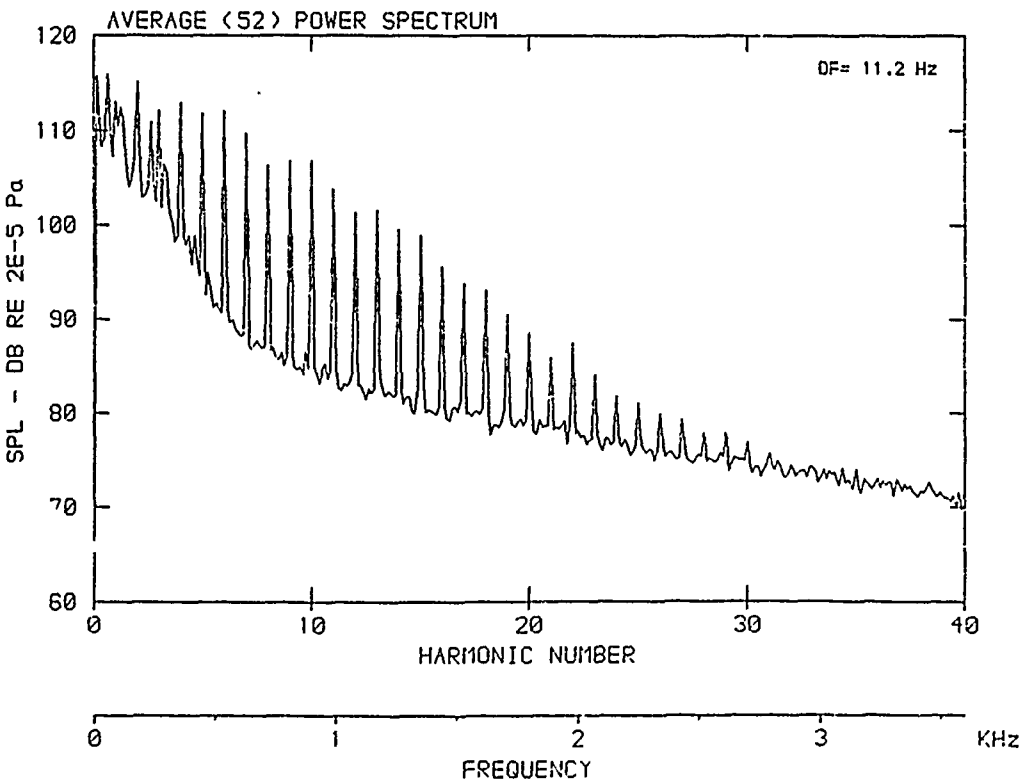




DATA POINT: AN-5 RUN: 66 MP: 2

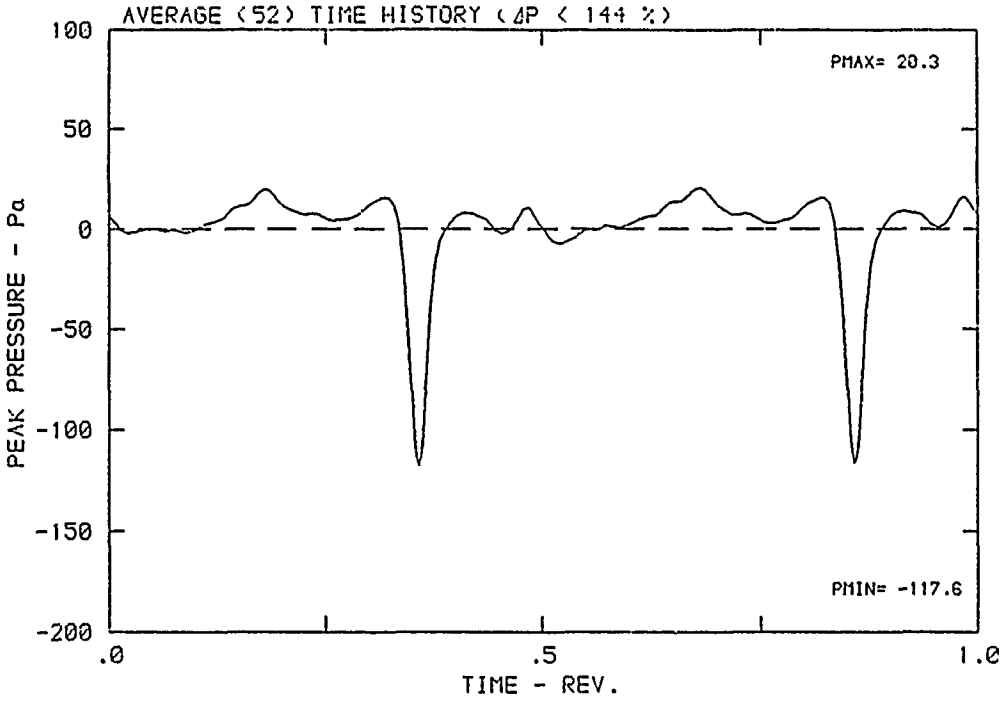
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

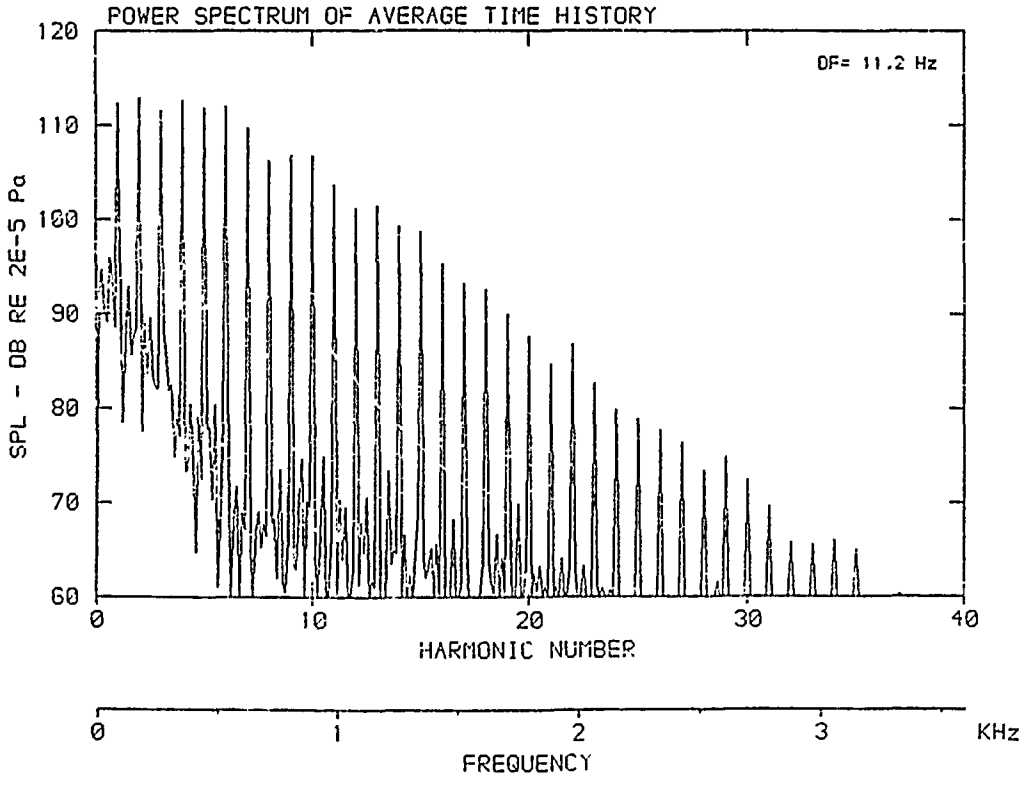




DATA POINT: AN-5 RUN: 66 MP: 2

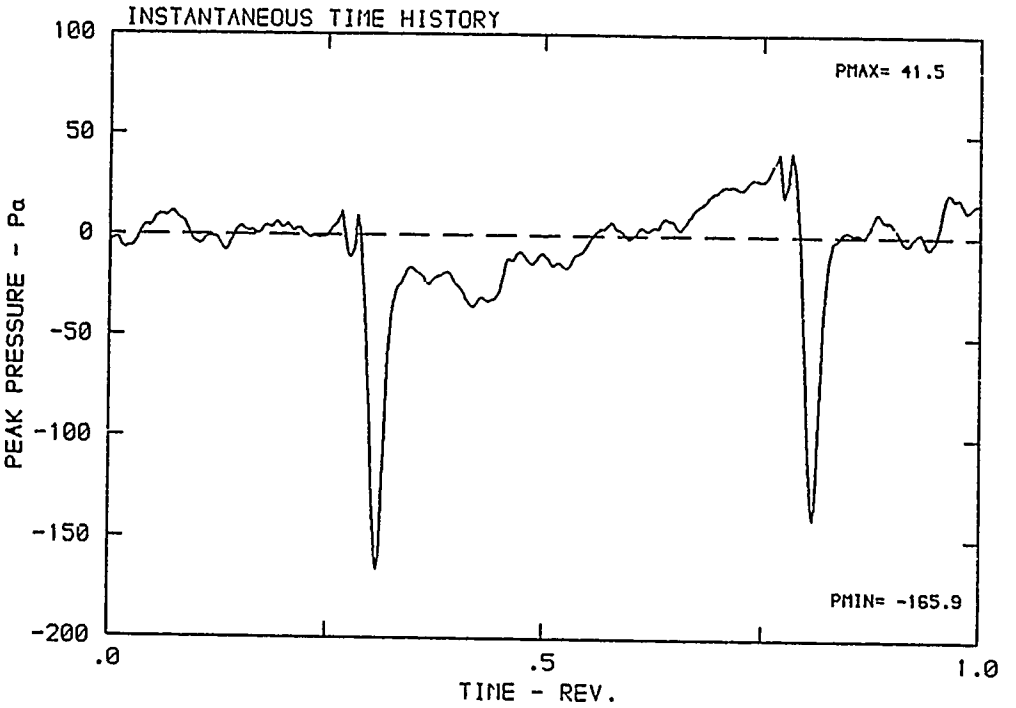
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

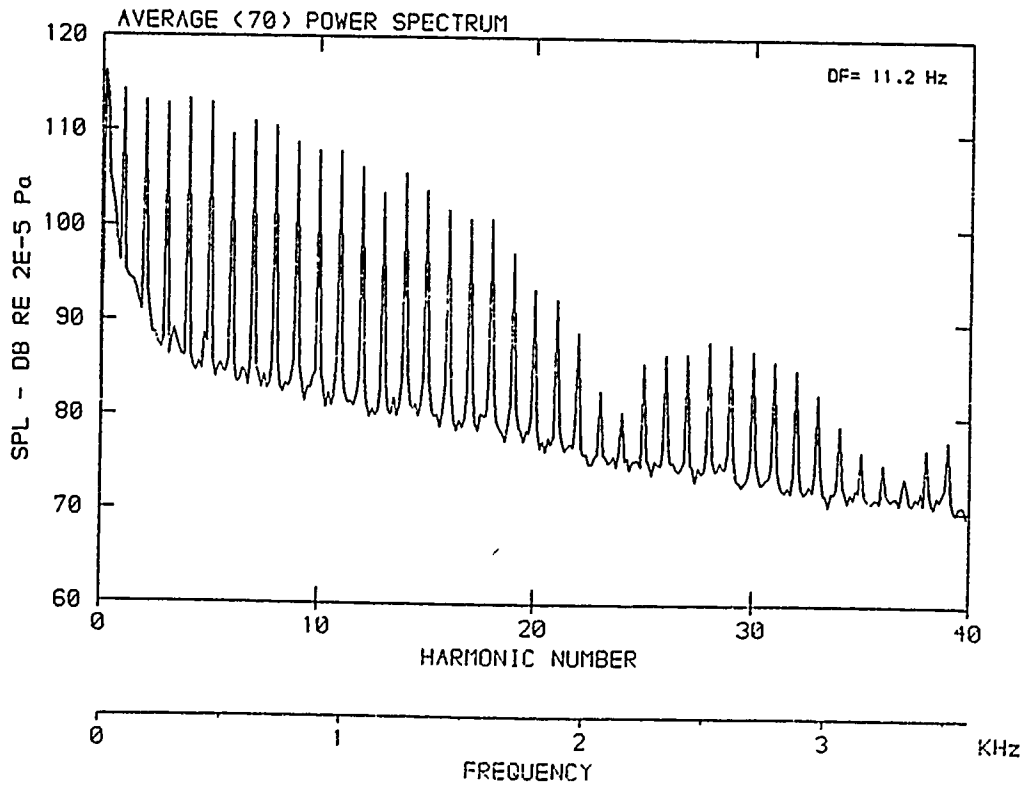




DATA POINT: AN-5 RUN: 66 MP: 3

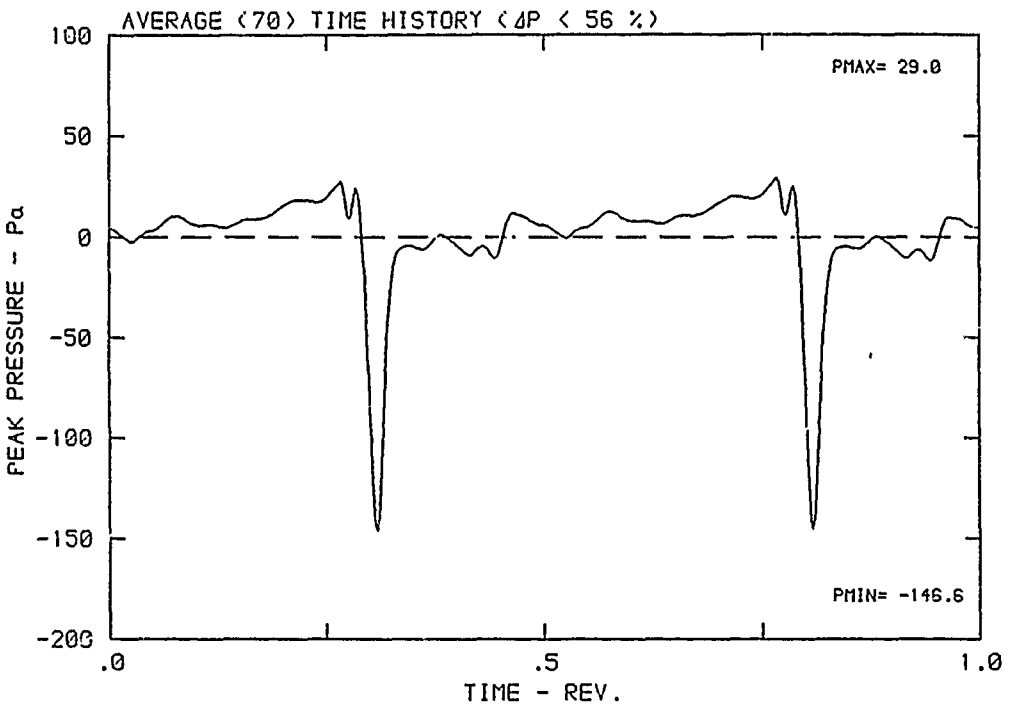
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

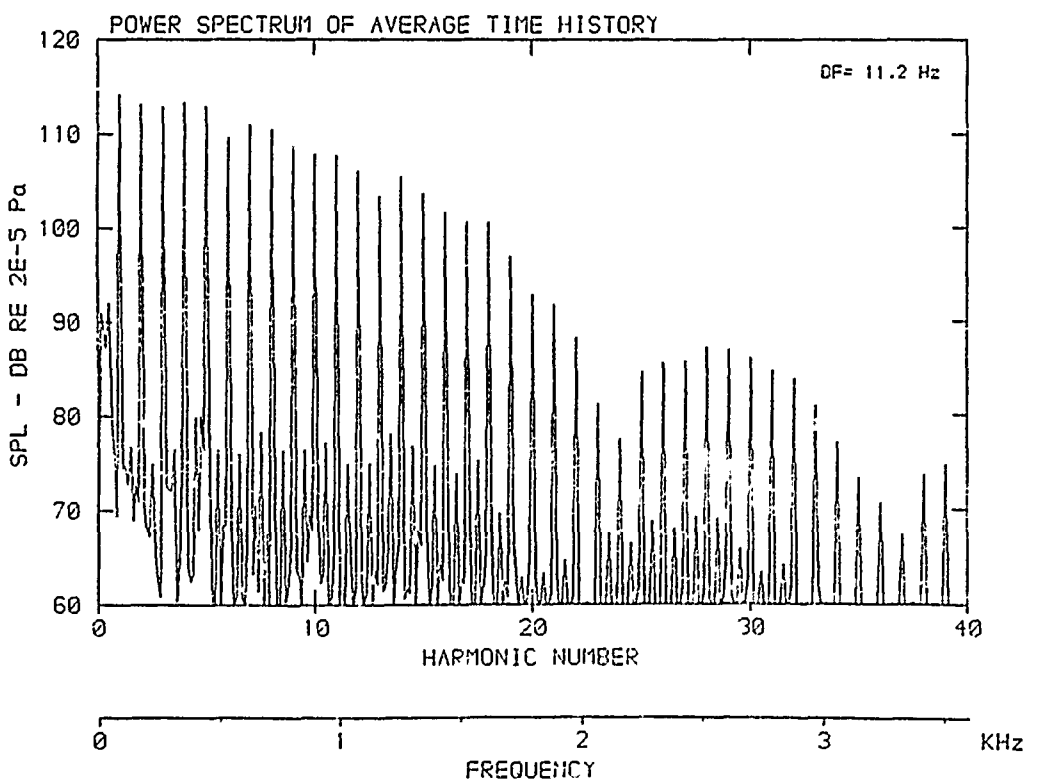




DATA POINT: AN-5 RUN: 66 MP: 3

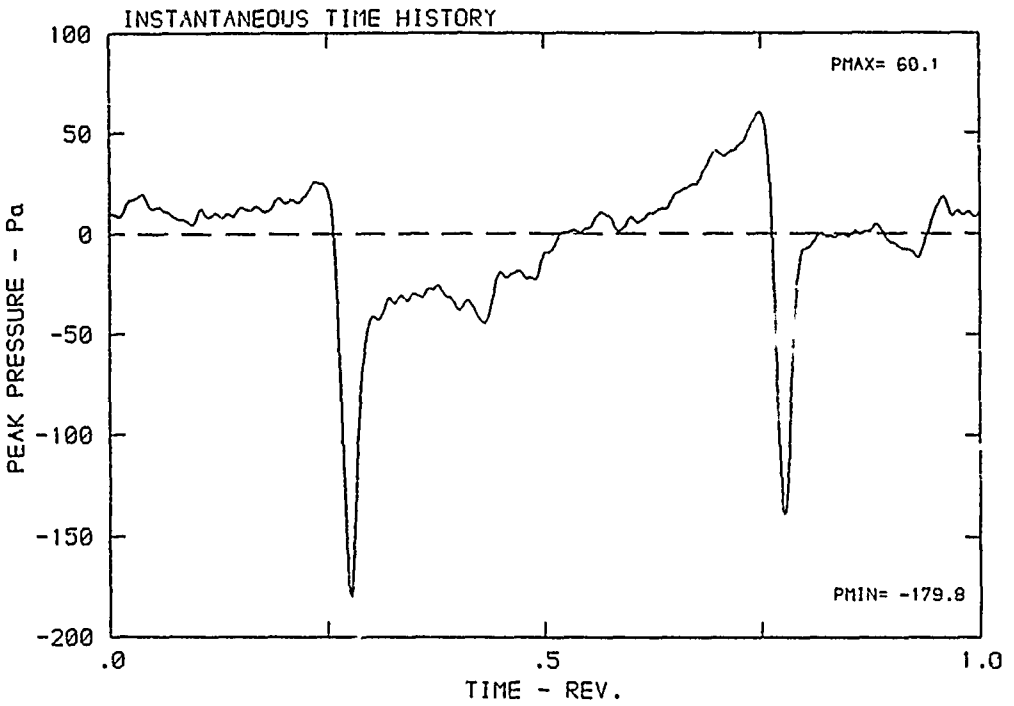
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

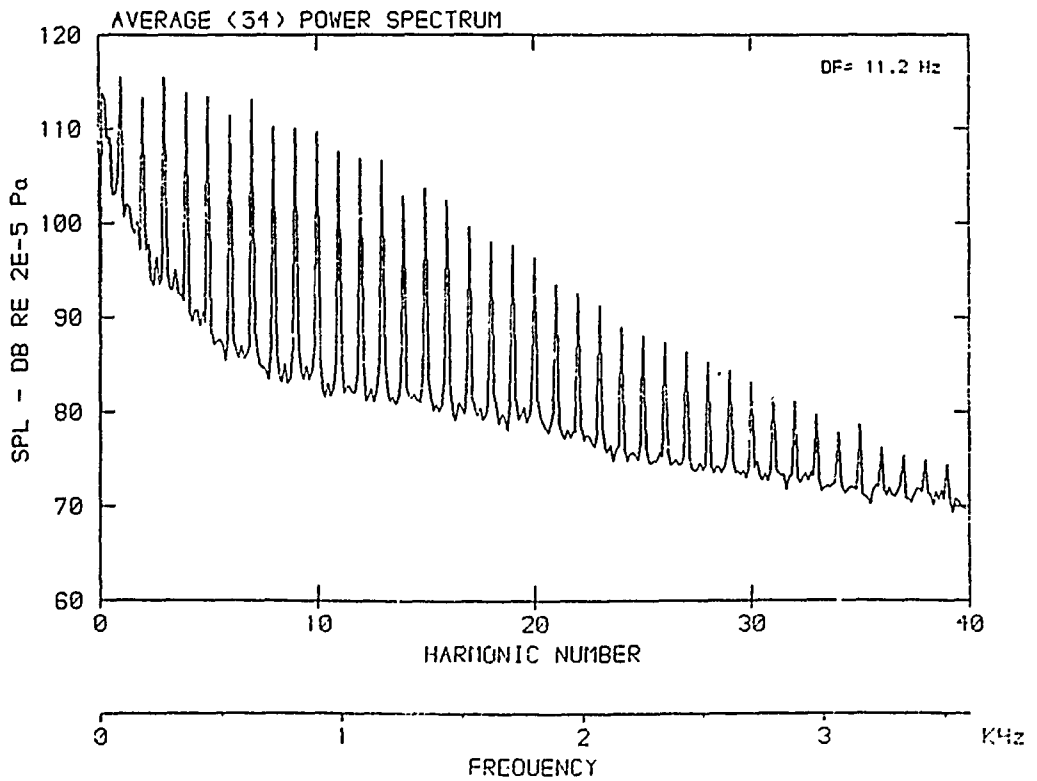




DATA POINT: AN-5 RUN: 65 MP: 4

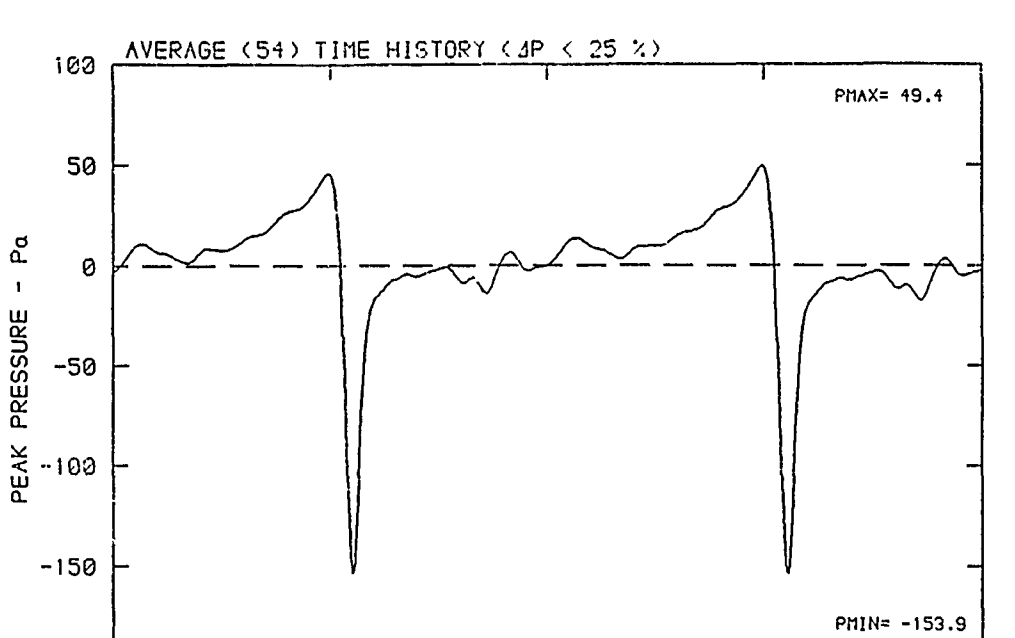
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

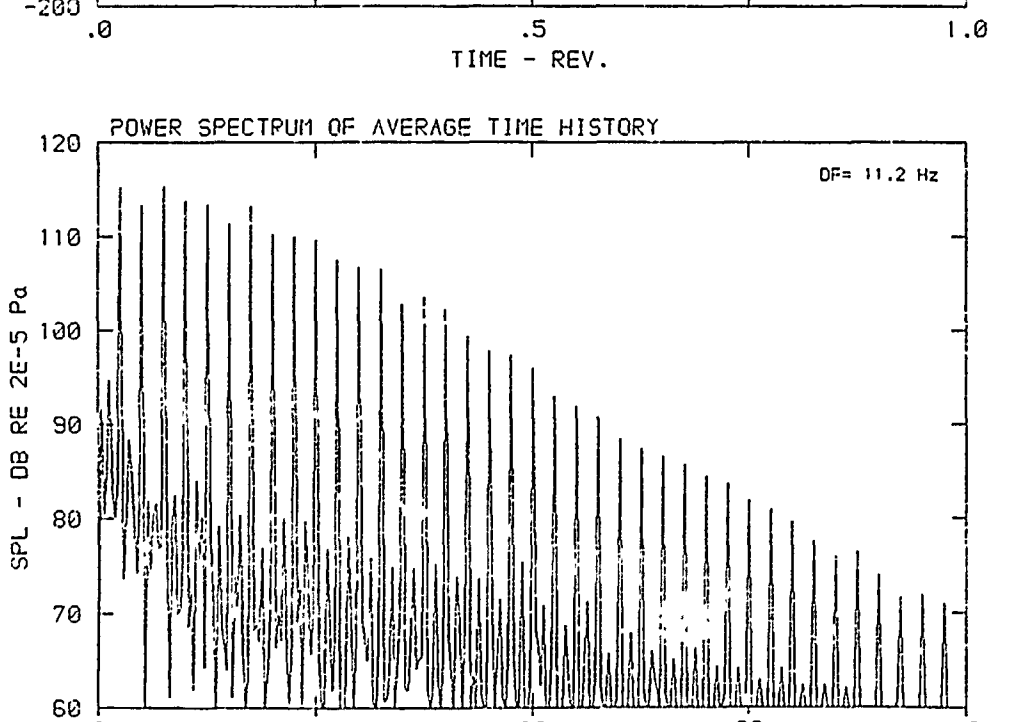




DATA POINT: AN-5 RUN: 66 MP: 4

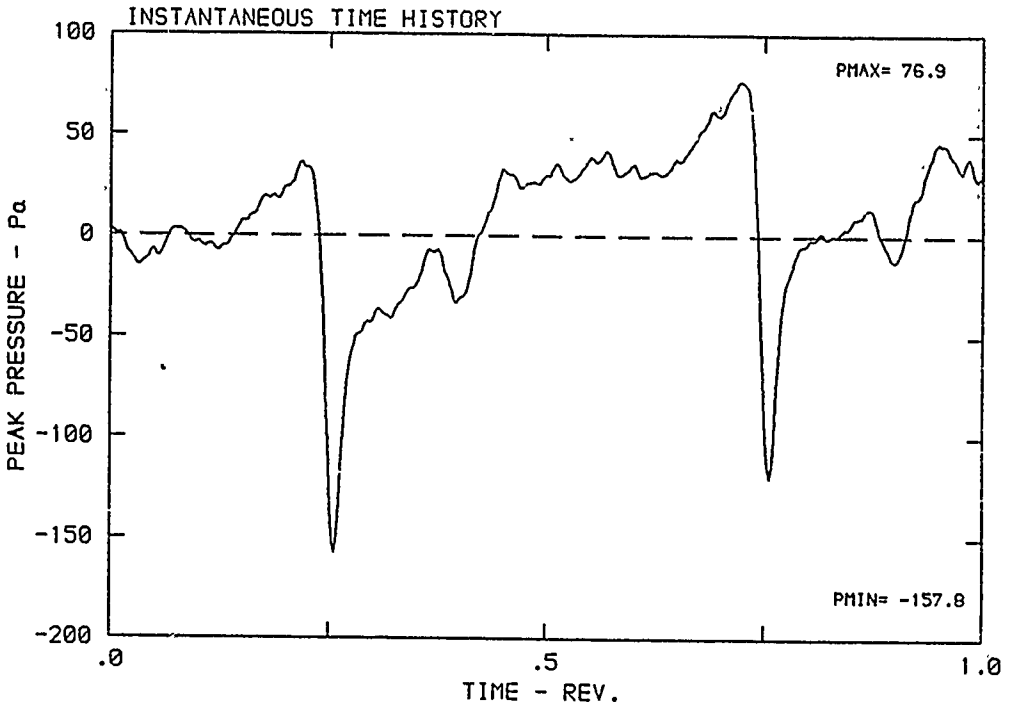
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

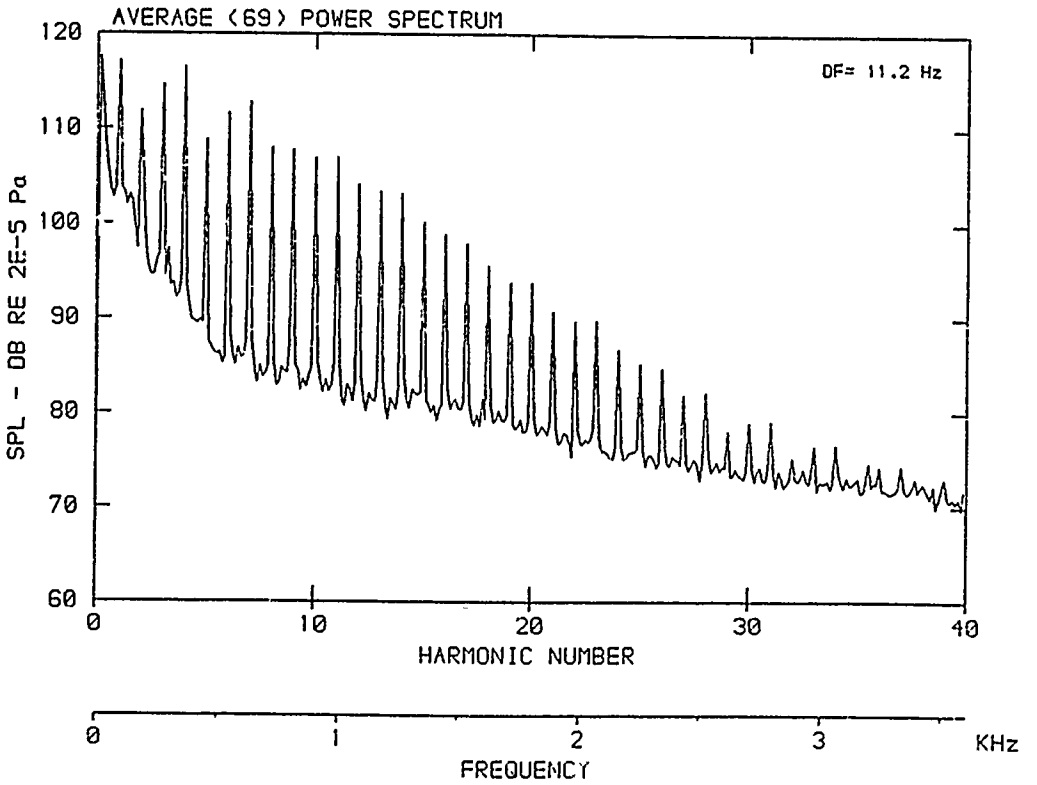




DATA POINT: AN-5 RUN: 66 MP: 5

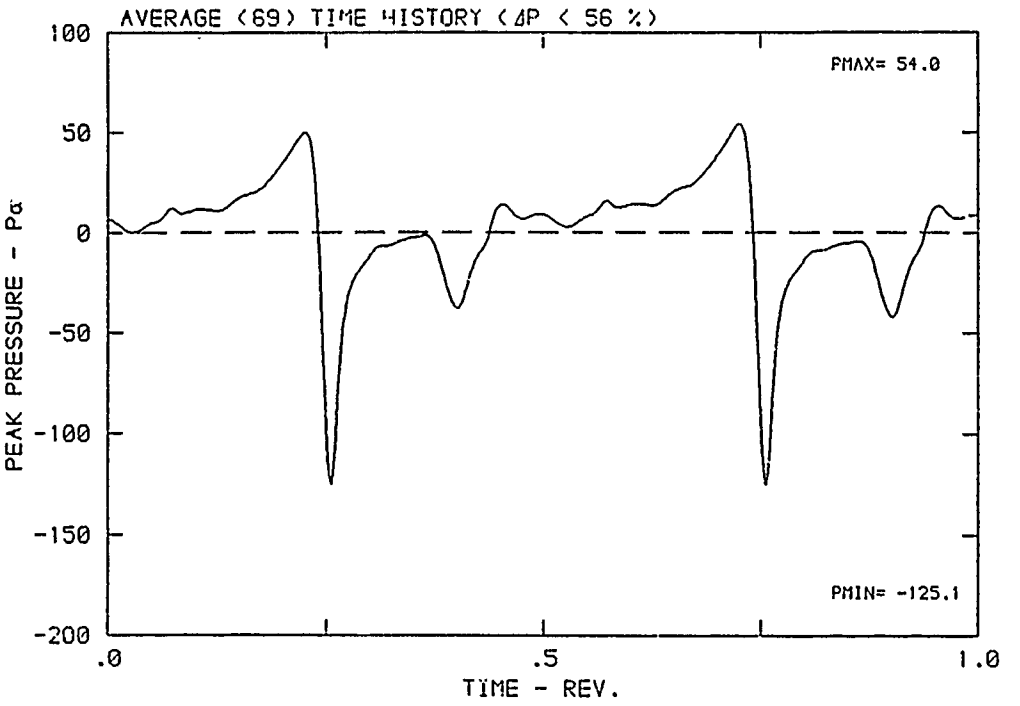
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

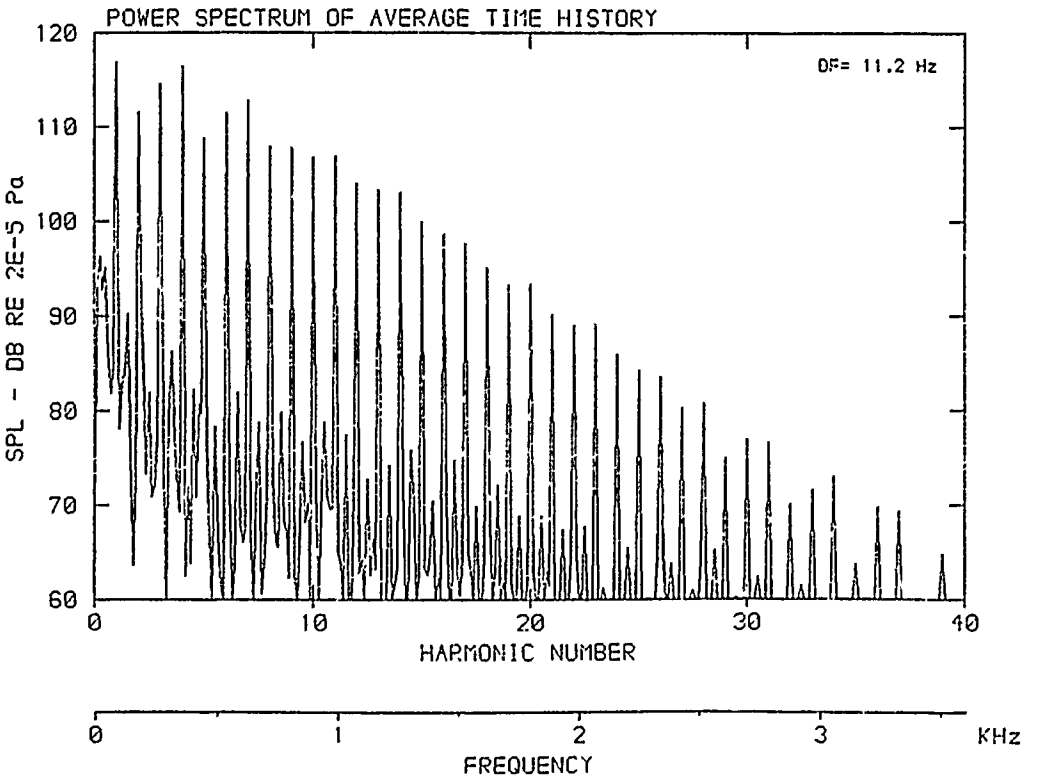




DATA POINT: AN-5 RUN: 66 MP: 5

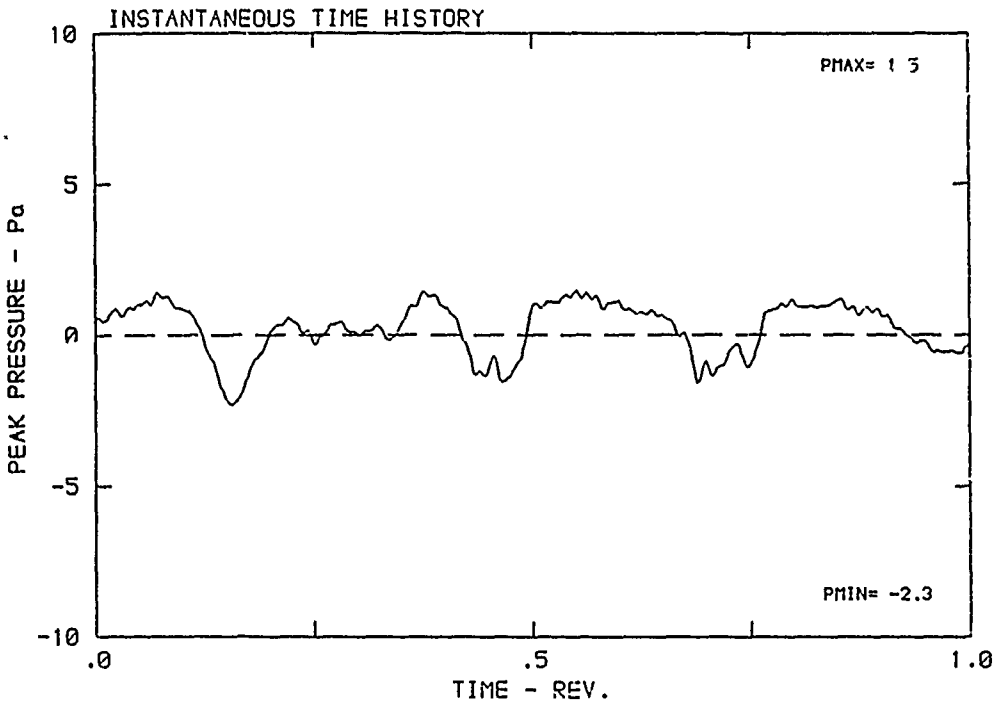
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

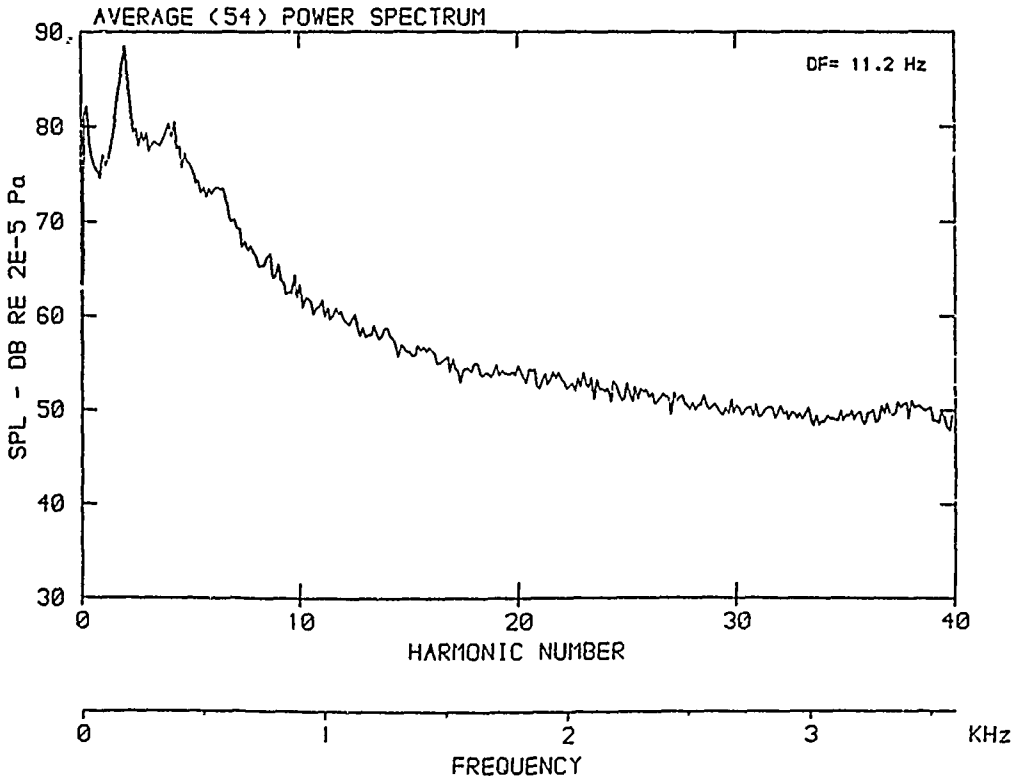




DATA POINT: AN-5 RUN: 66 MP: 5

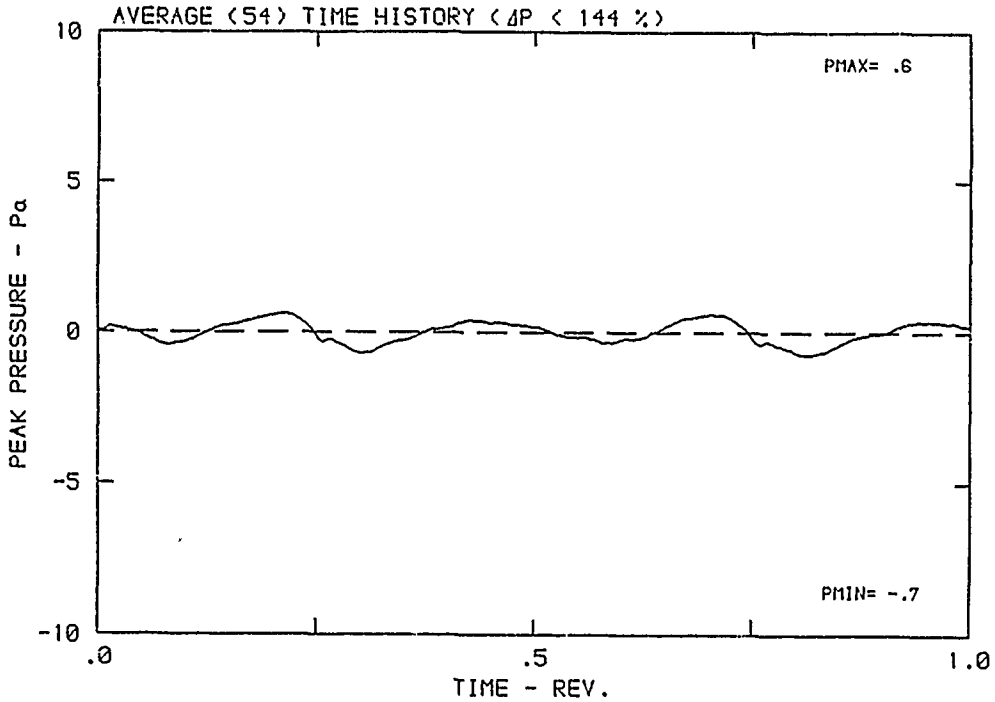
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

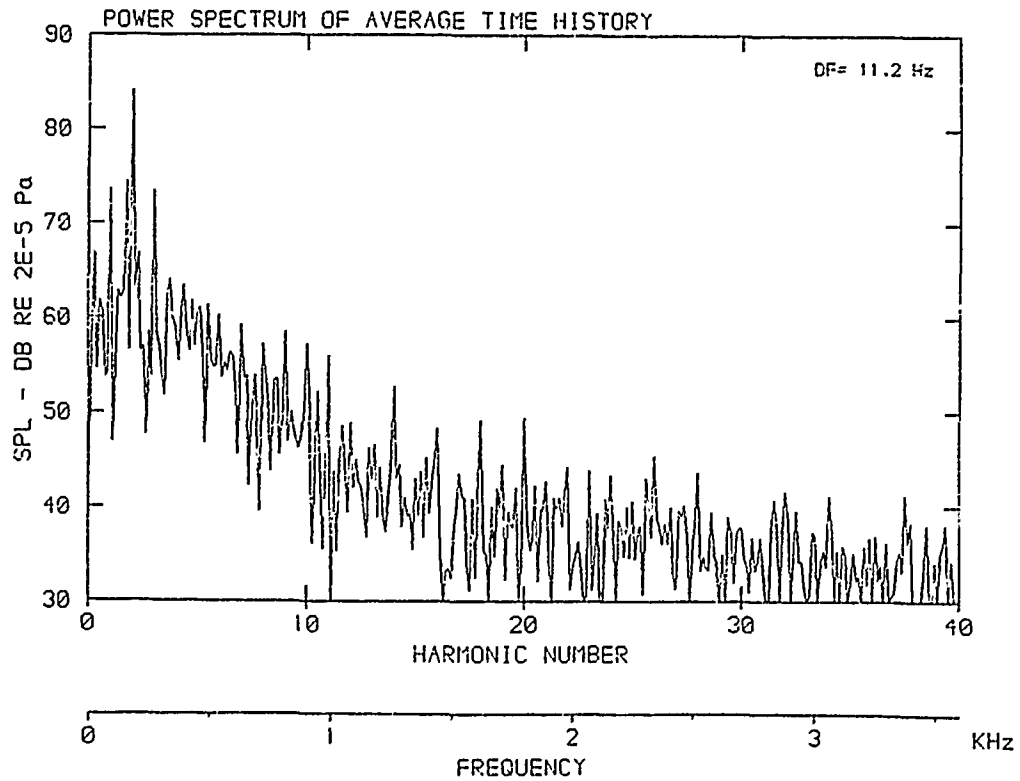




DATA POINT: AN-5 RUN: 66 MP: 6

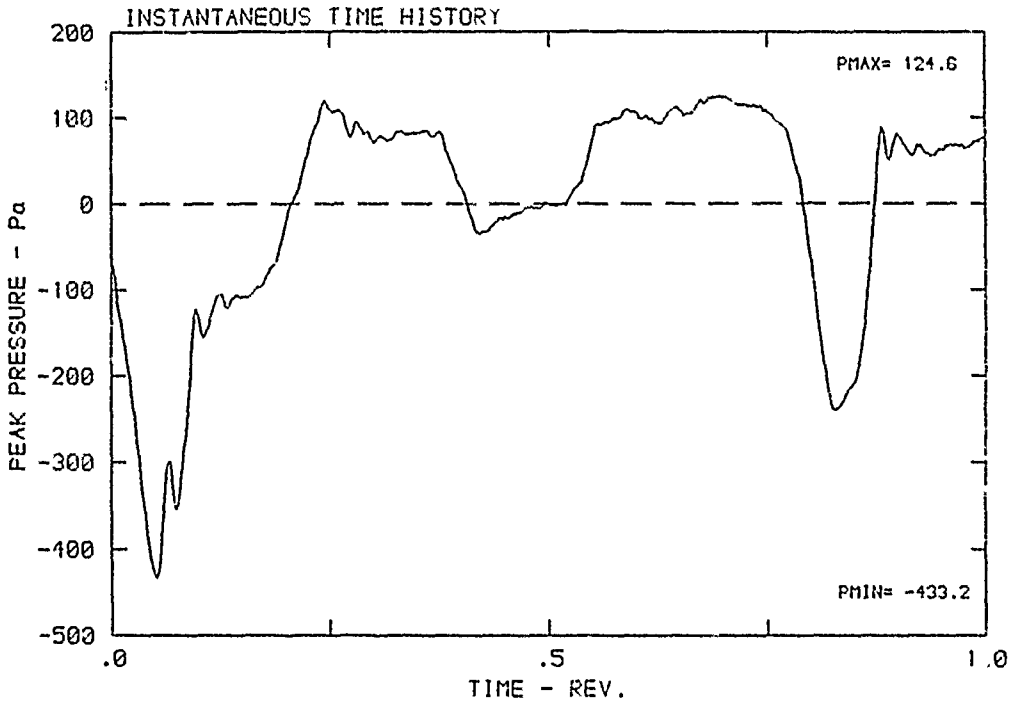
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

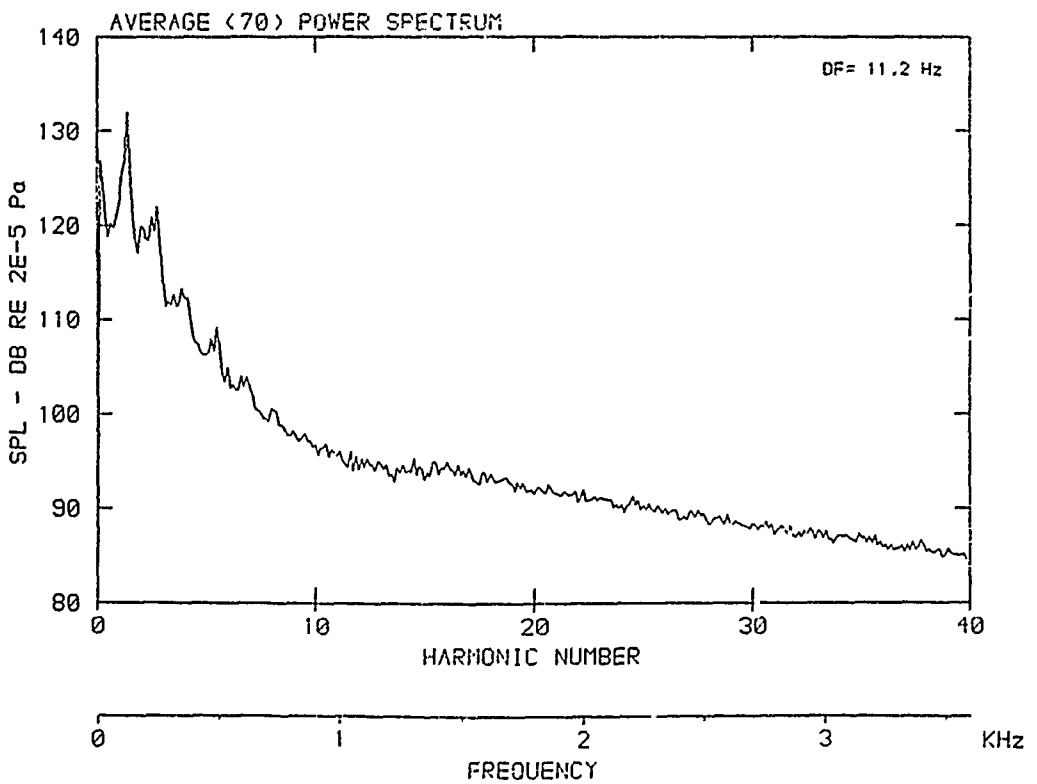




DATA POINT: AN-5 RUN: 66 MP: 7

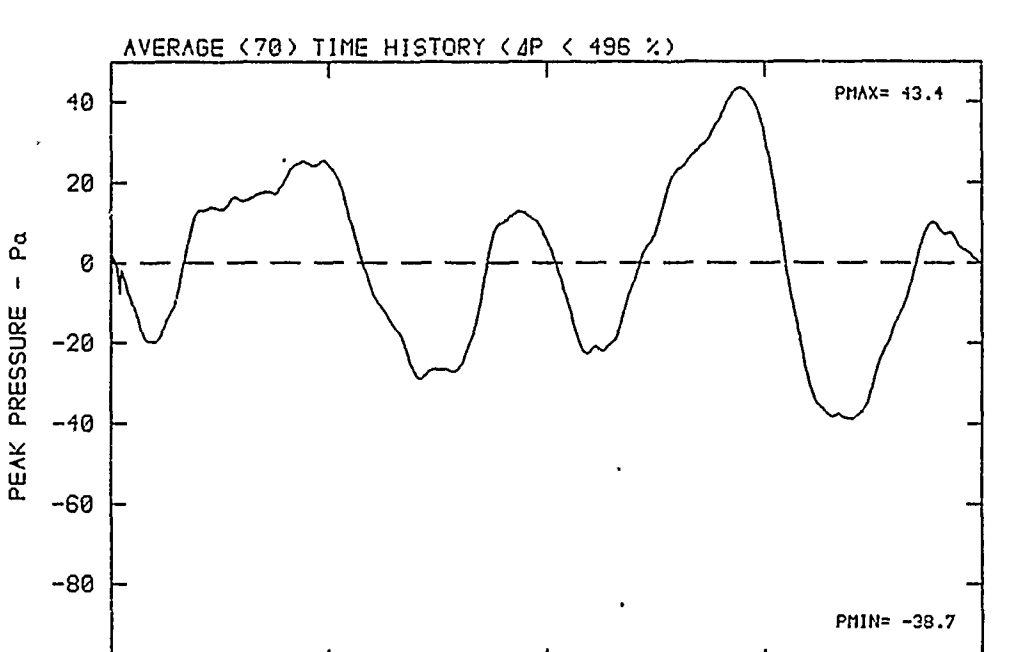
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 389.4

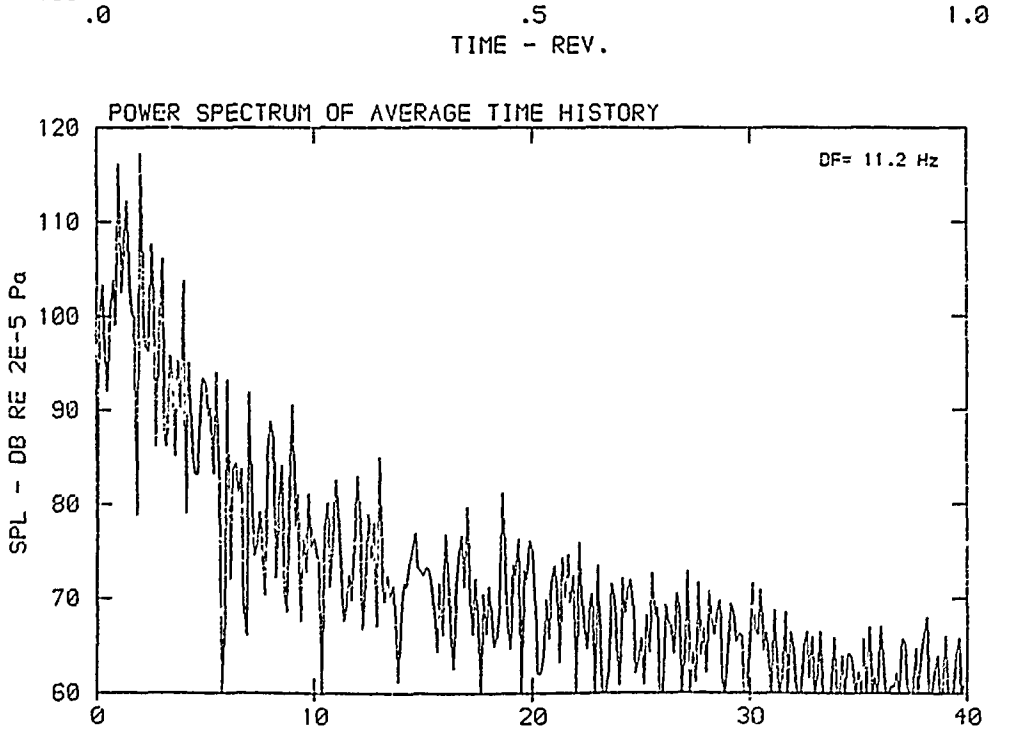




DATA POINT: AN-5	RUN: 66	MP: 7

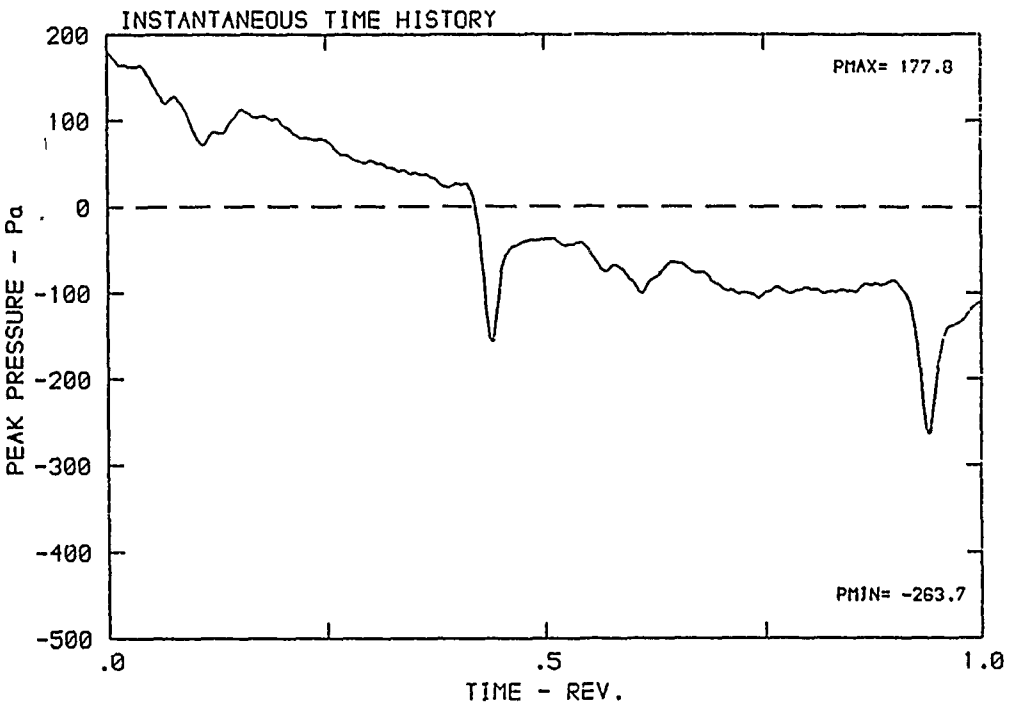
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

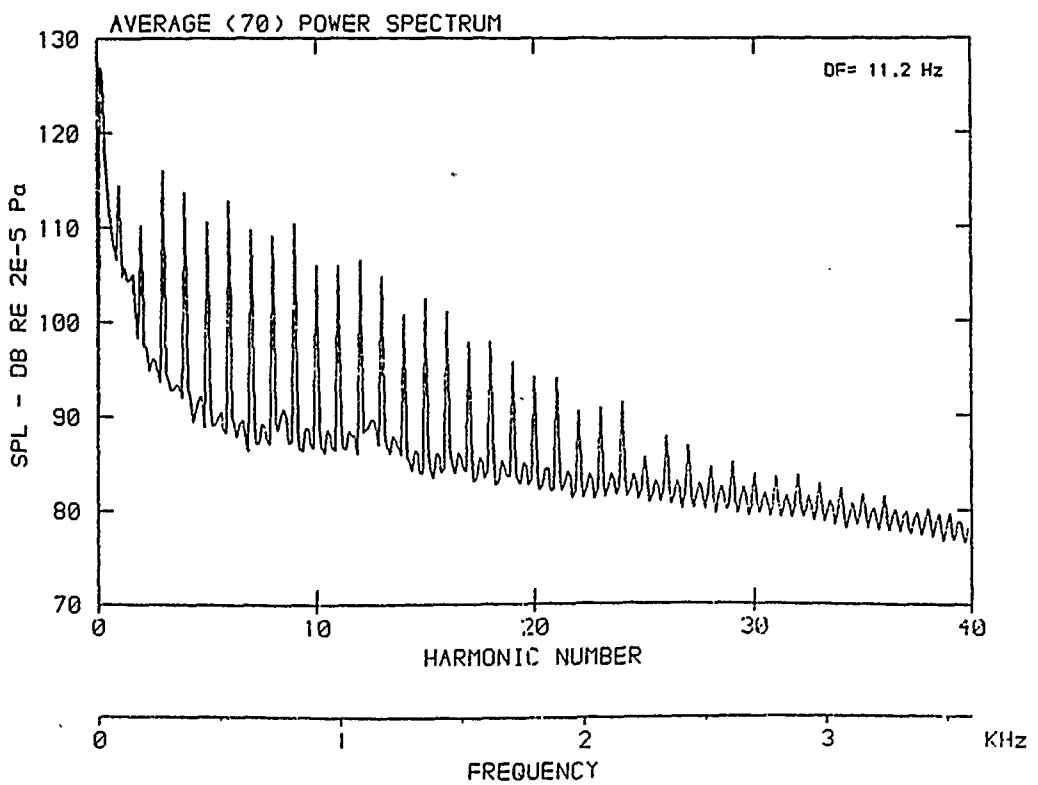




DATA POINT: AN-5 RUN: 66 MP: 9

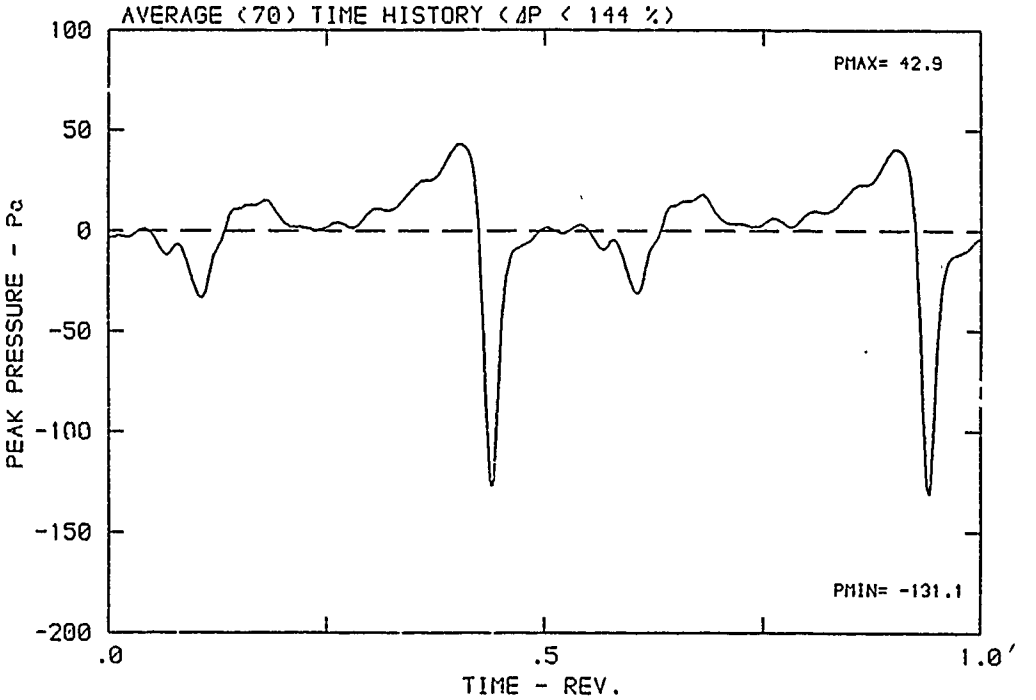
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

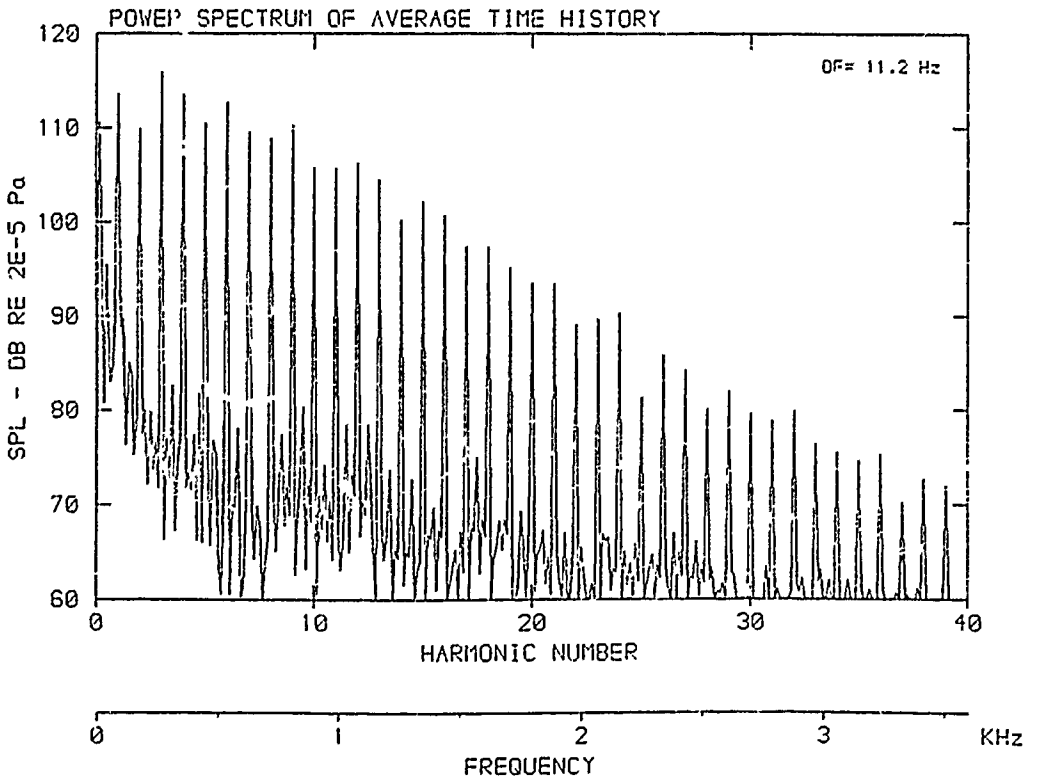




DATA POINT: AN-5 RUN: 66 MP: 9

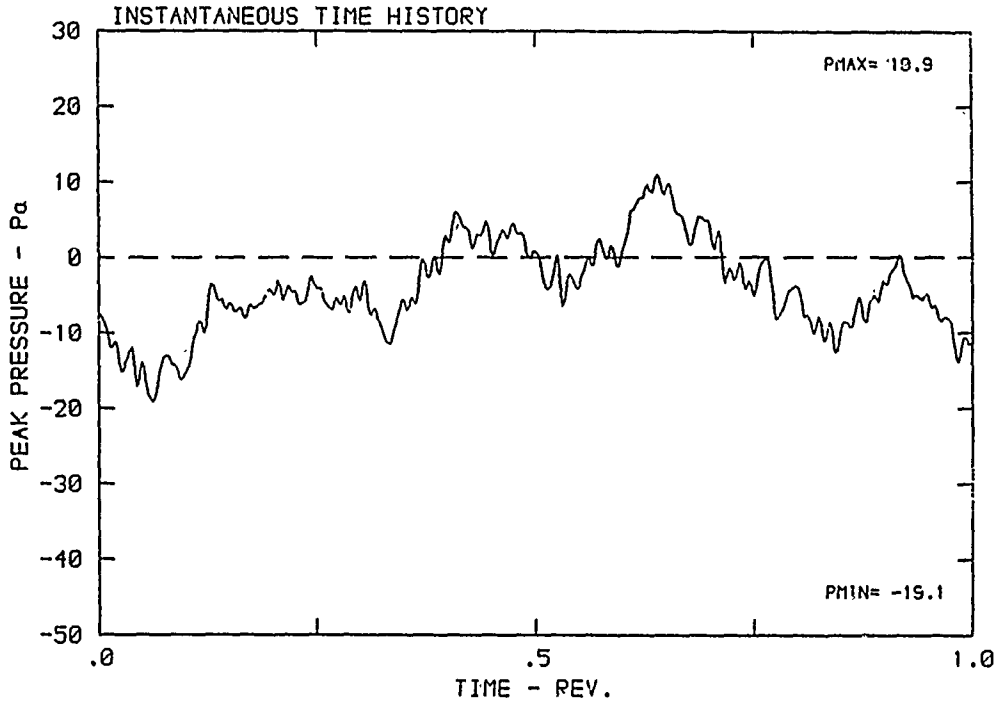
β: 20.8° MH: .8720 n: 2700 rpm v/u: .268 ϕ: .0° T: 289.4 K

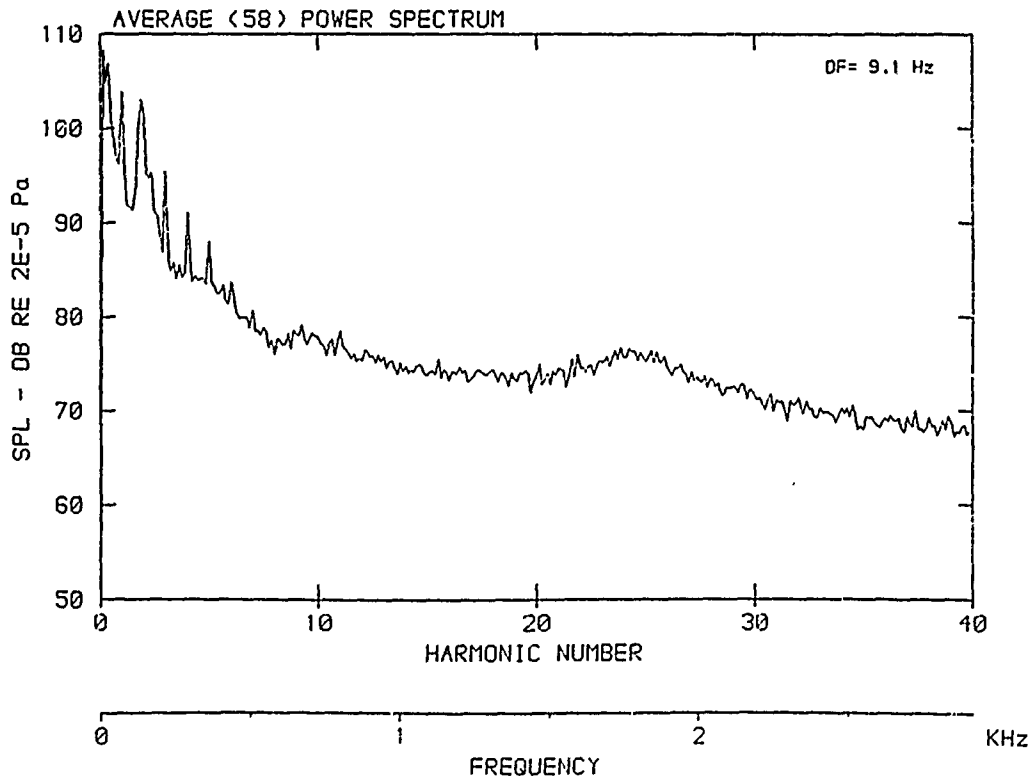




DATA POINT: AN-7 RUN: 68 MP: 1

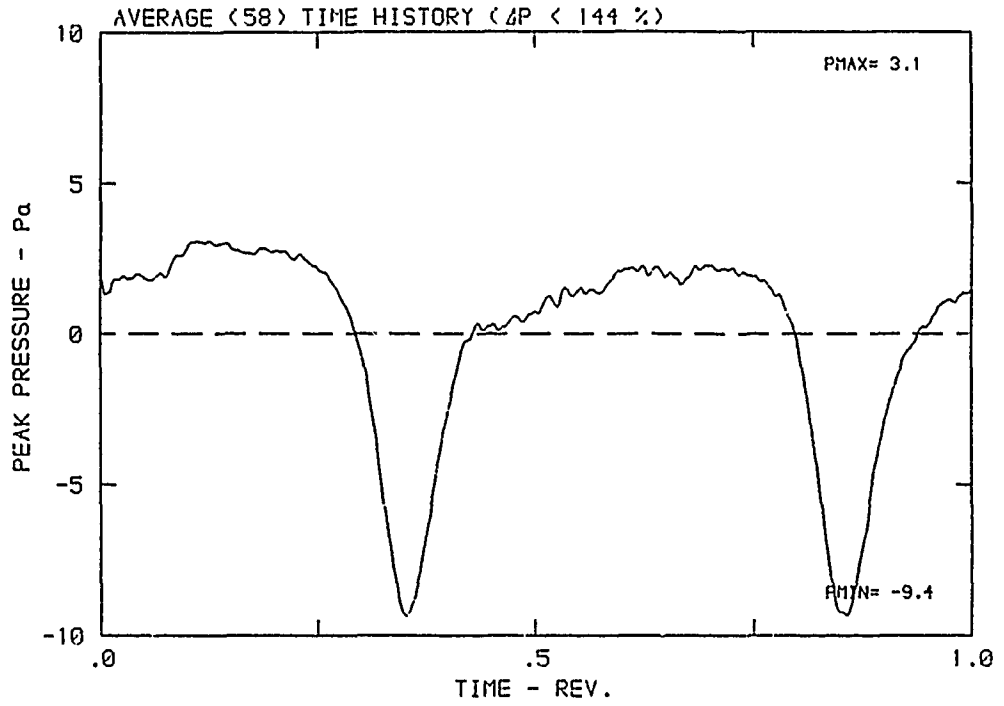
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

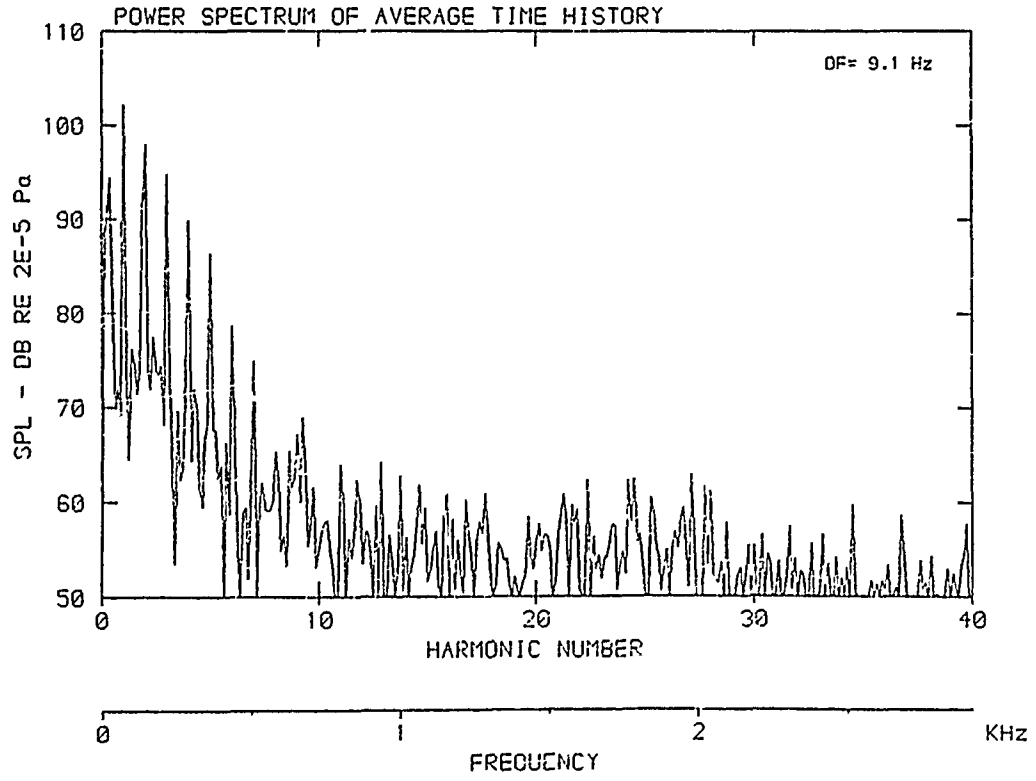




DATA POINT: AN-7	RUN: 68	MP: 1

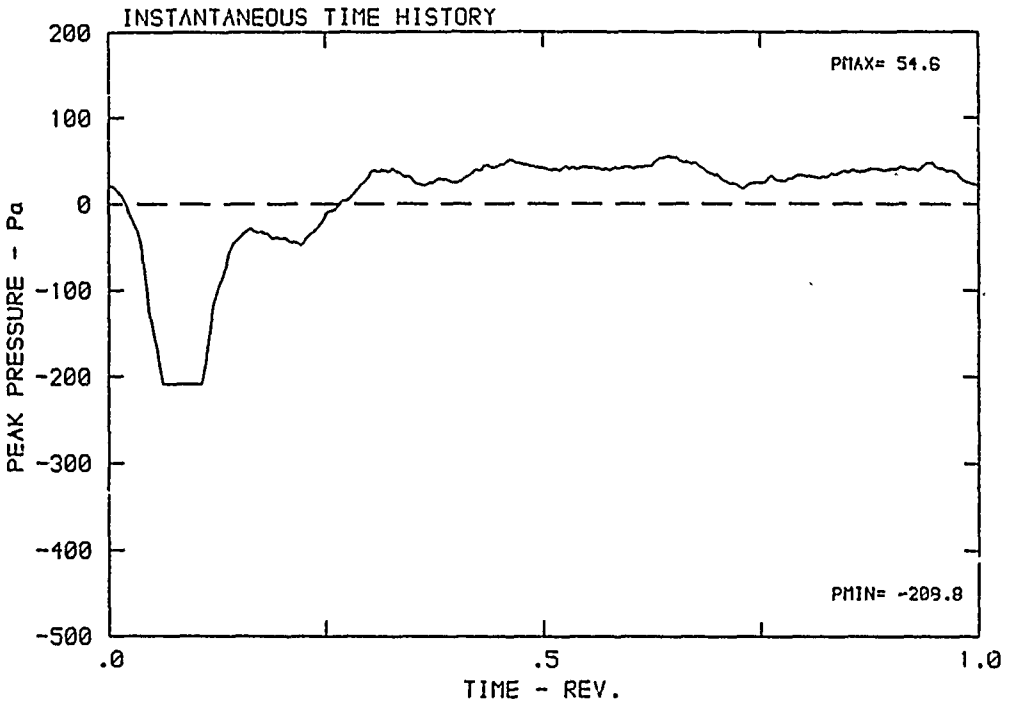
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

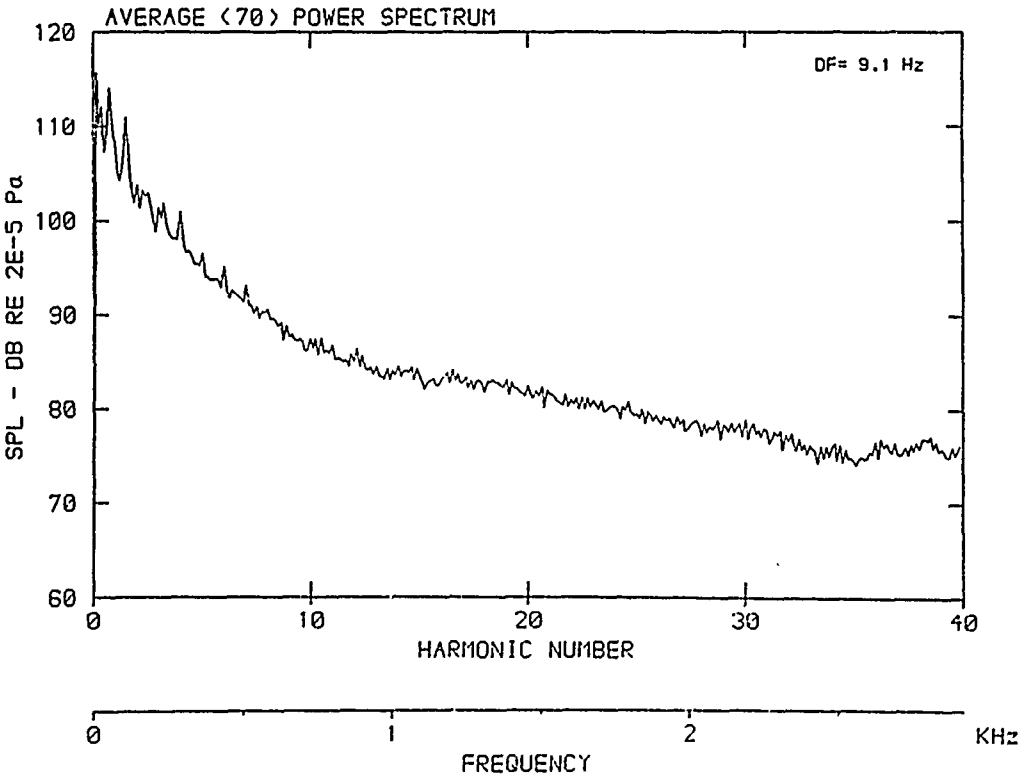




DATA POINT: AN-7 RUN: 68 MP: 2

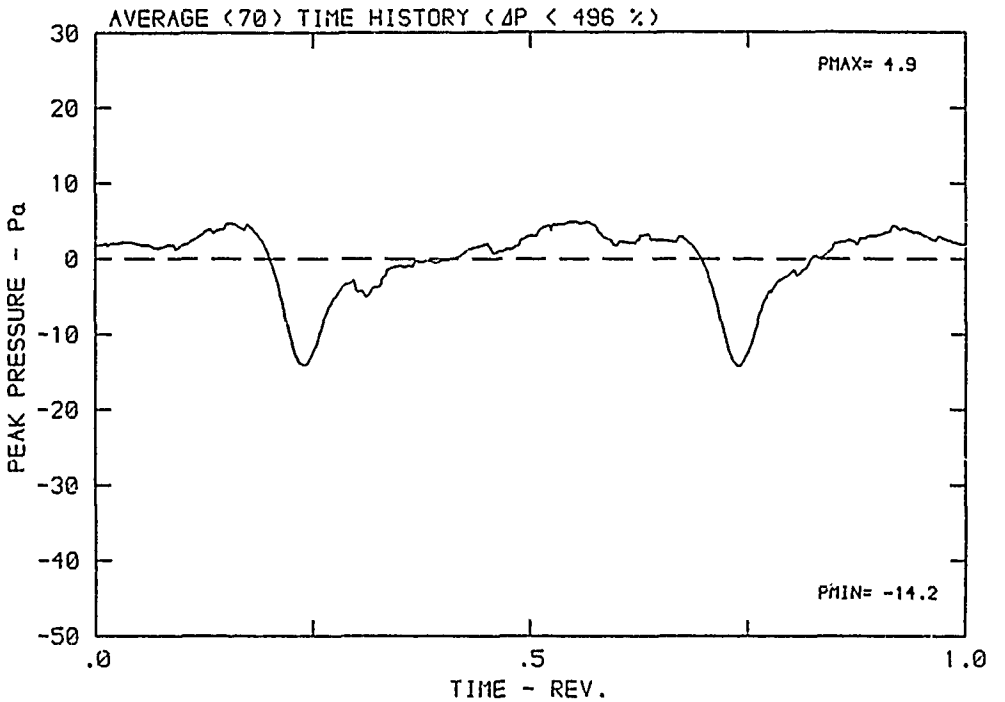
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

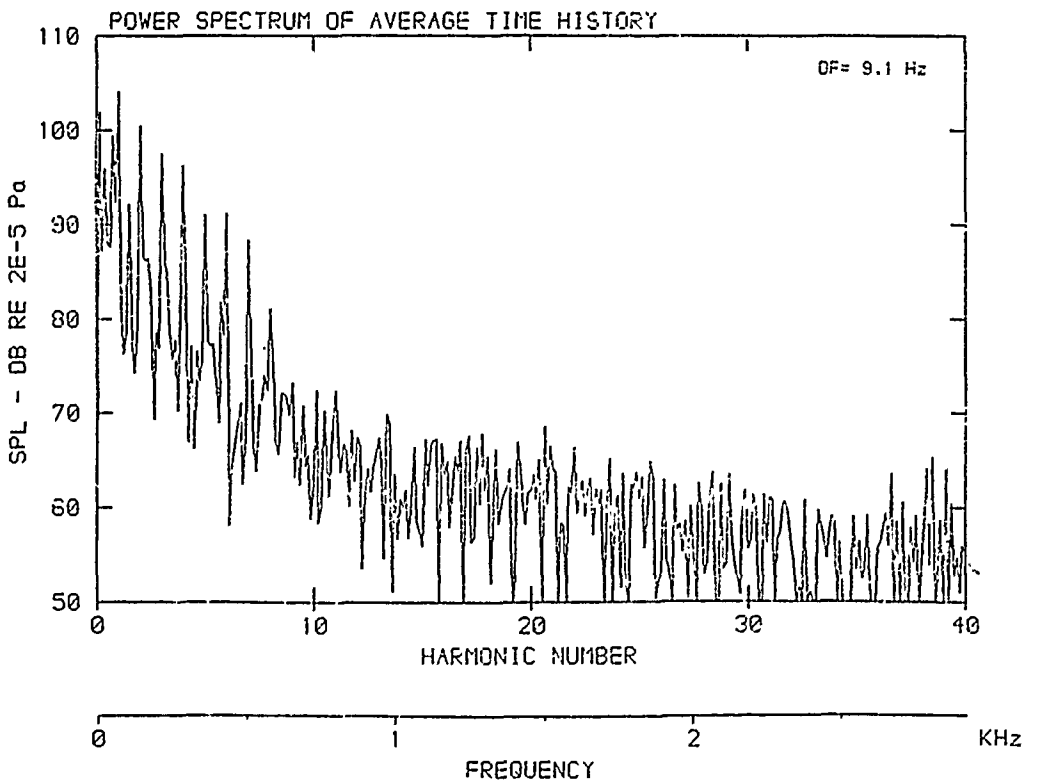




DATA POINT: AN-7 RUN: 68 MP: 2

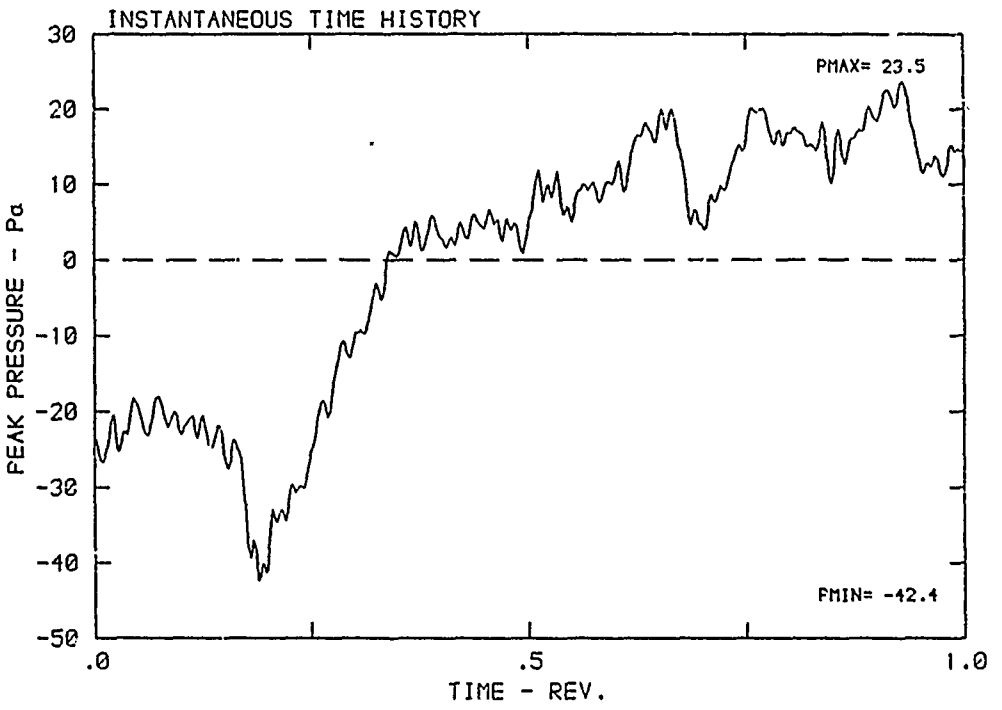
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

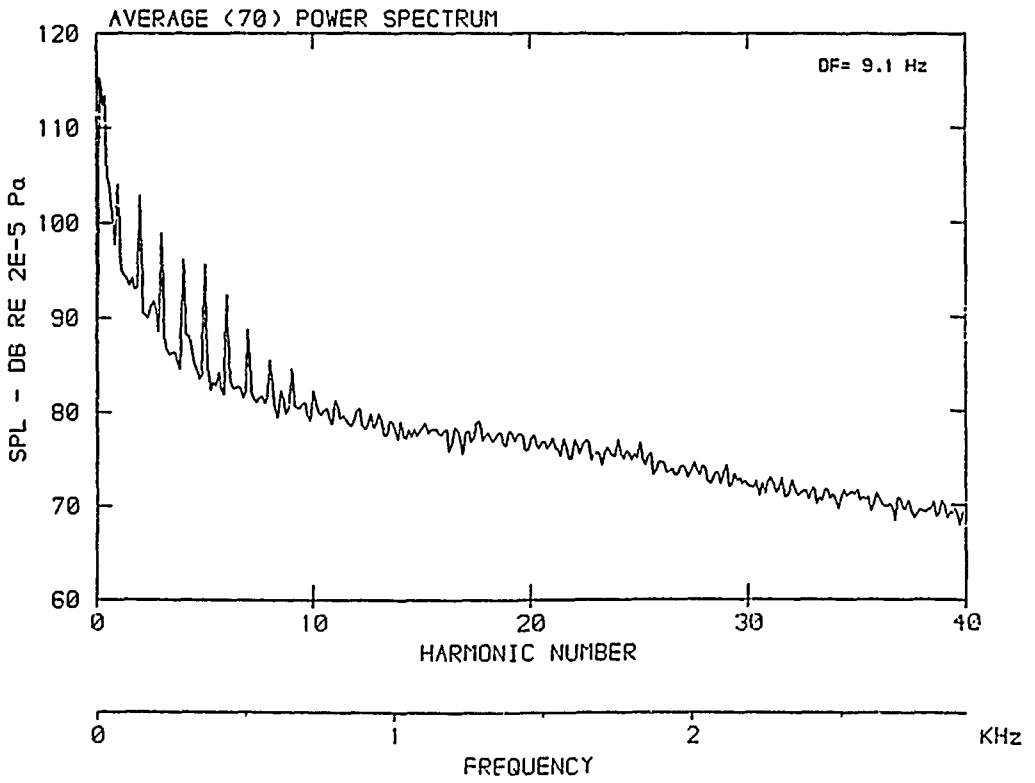




DATA POINT: AN-7 RUN: 68 MP: 3

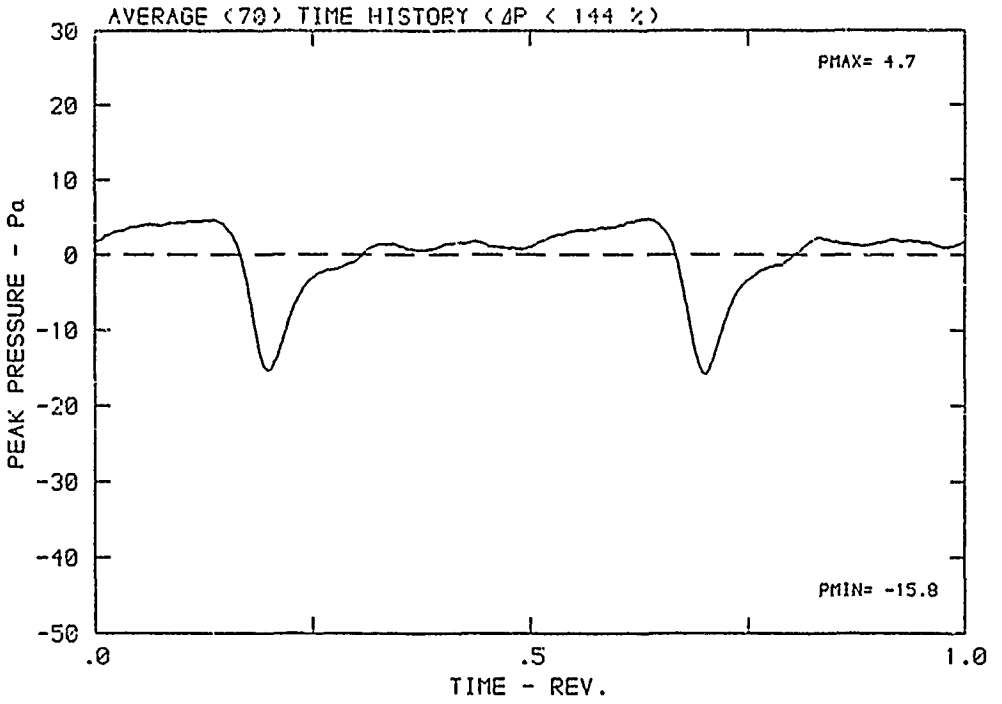
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

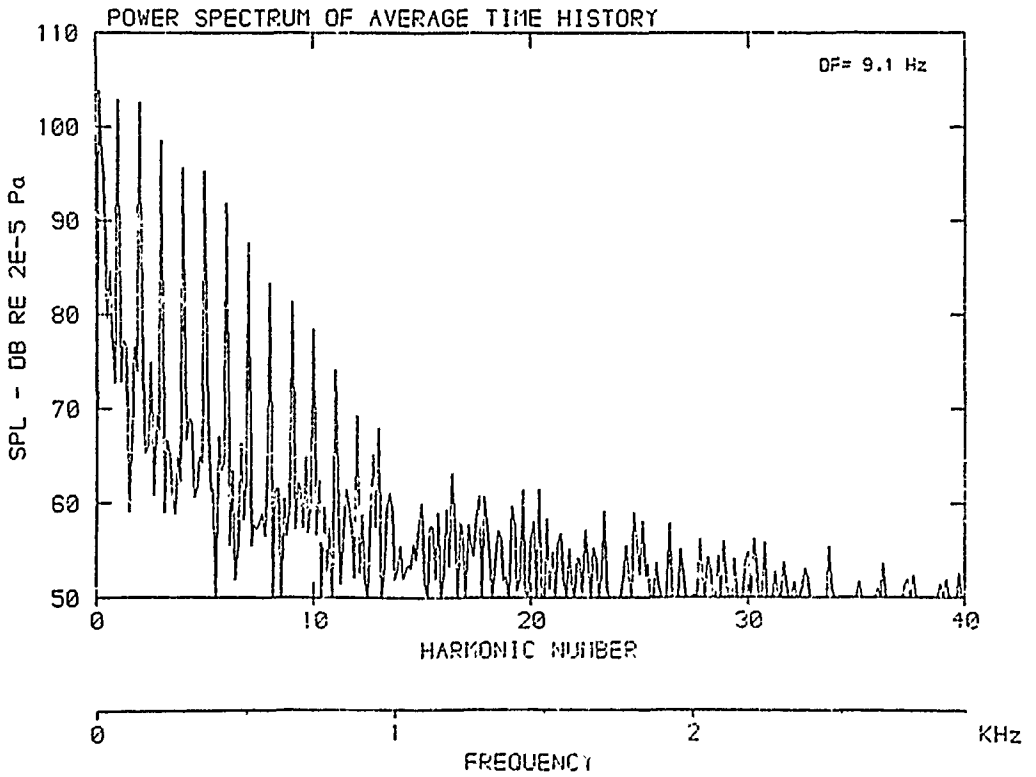




DATA POINT: AN-7 RUN: 68 MP: 3

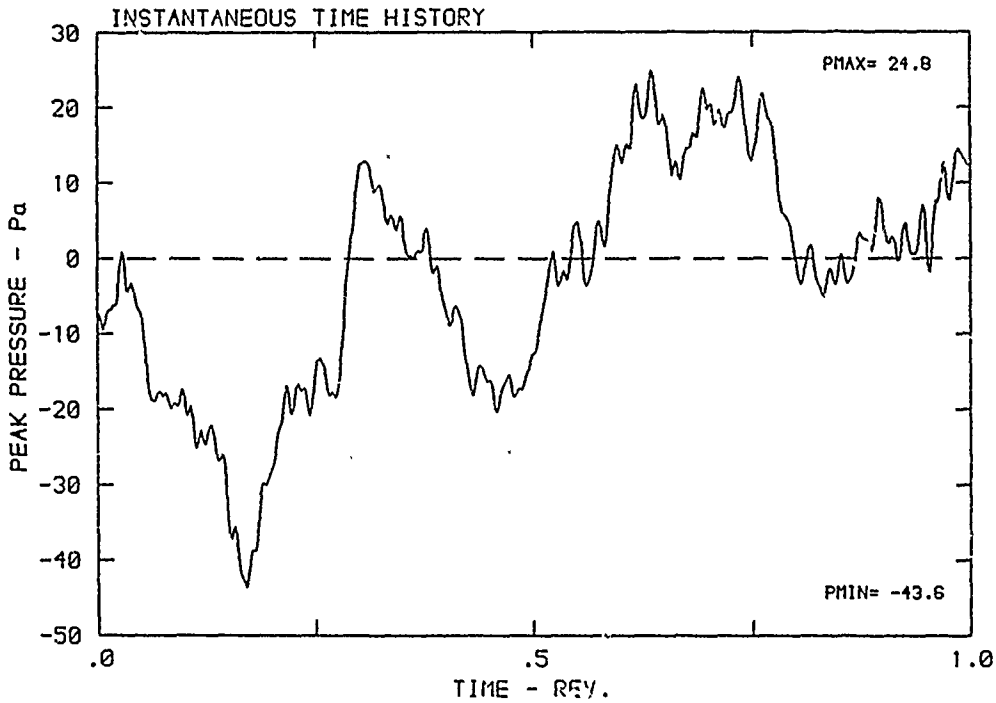
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

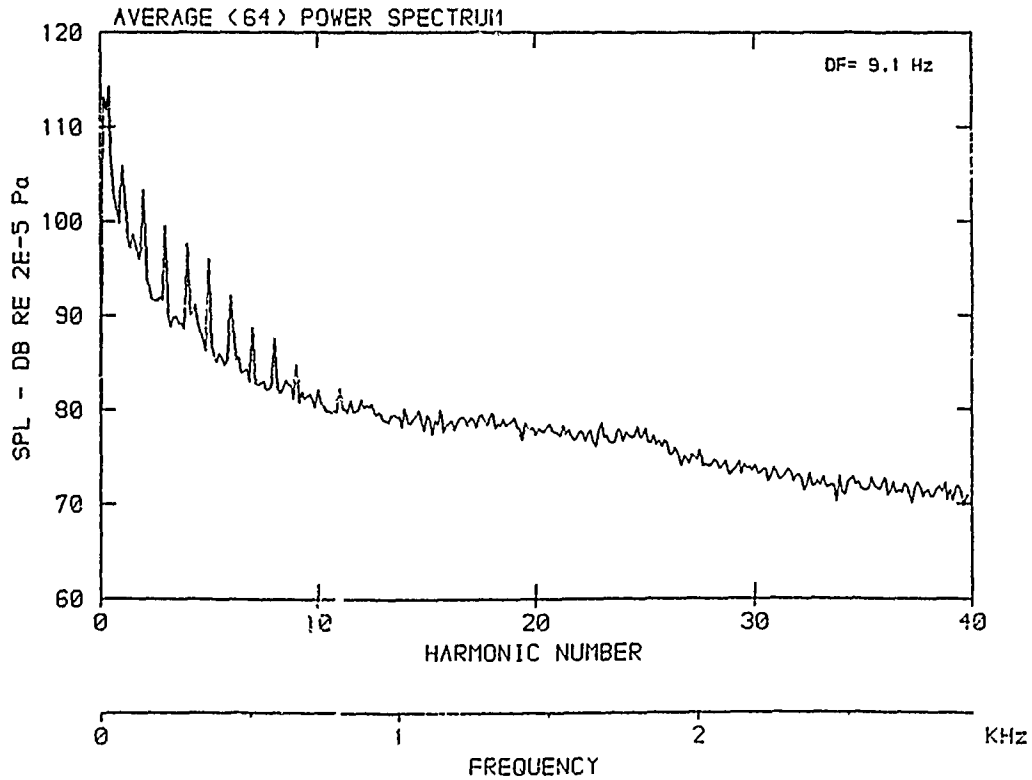




DATA POINT: AN-7 RUN: 68 MP: 4

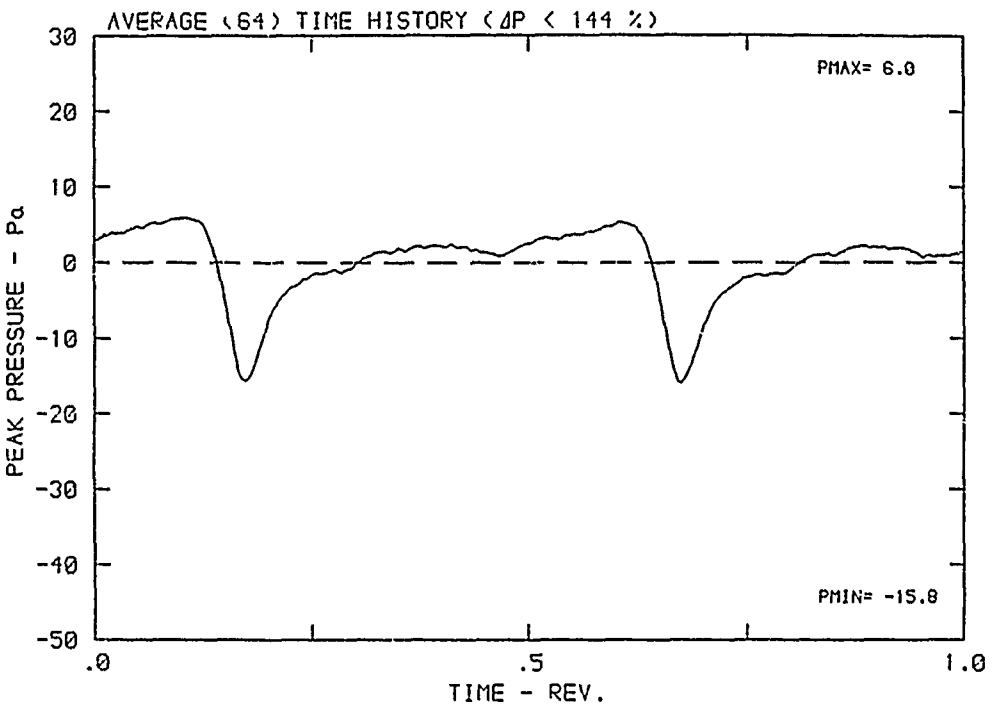
β: 29.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

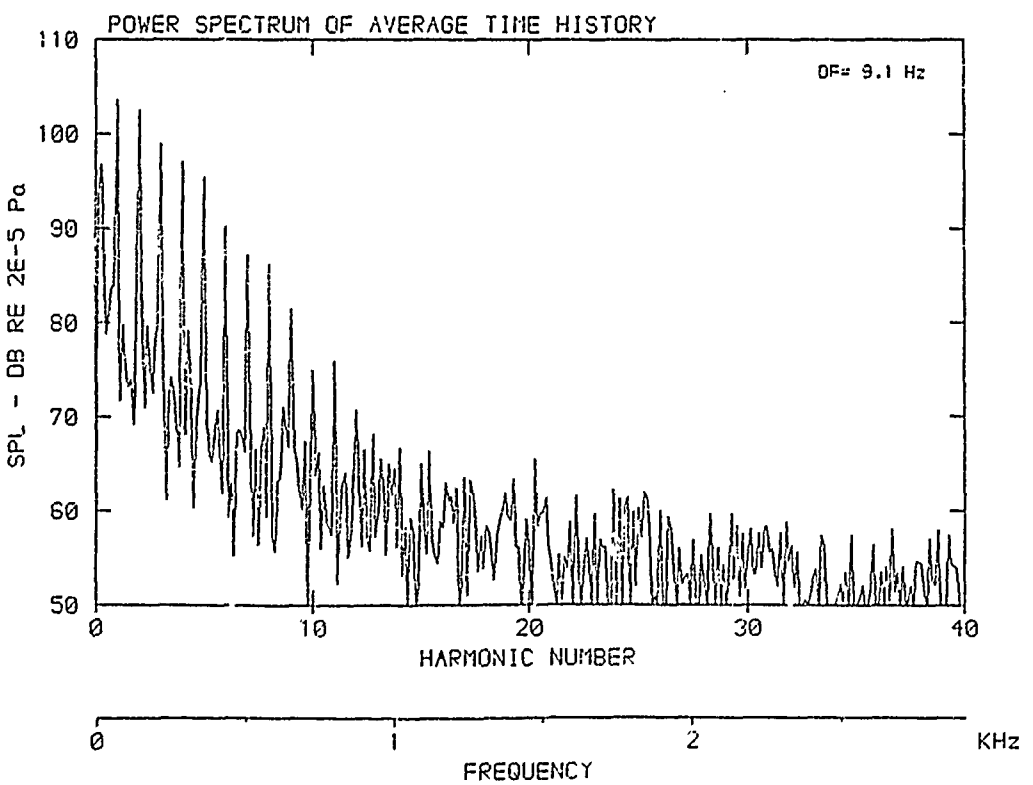




DATA POINT: AN-7 RUN: 68 MP: 4

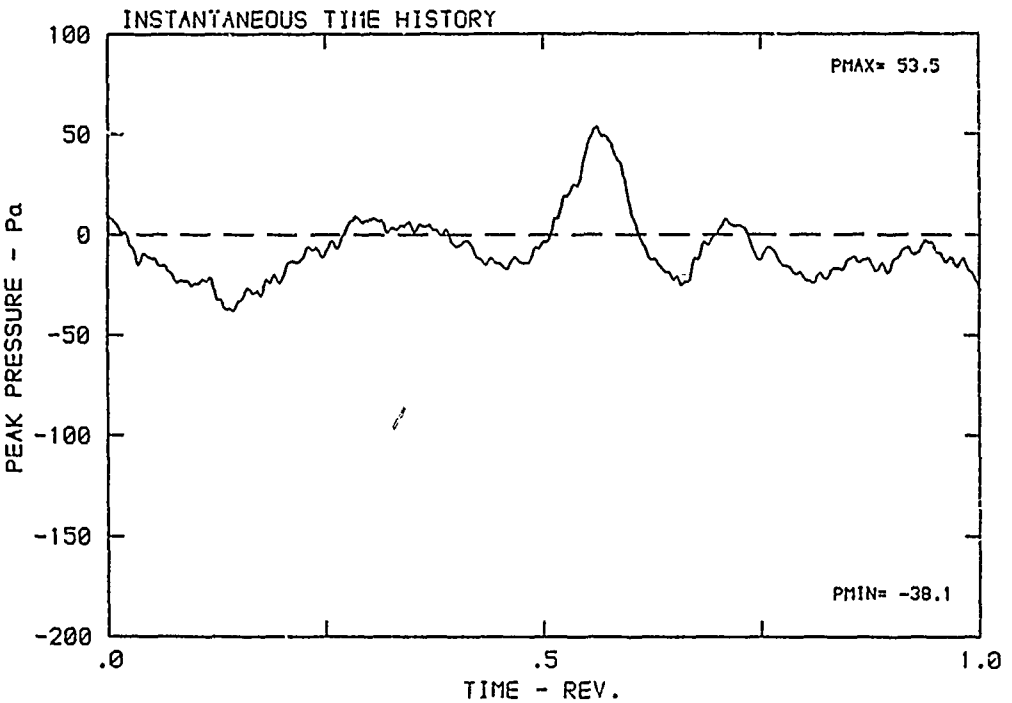
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

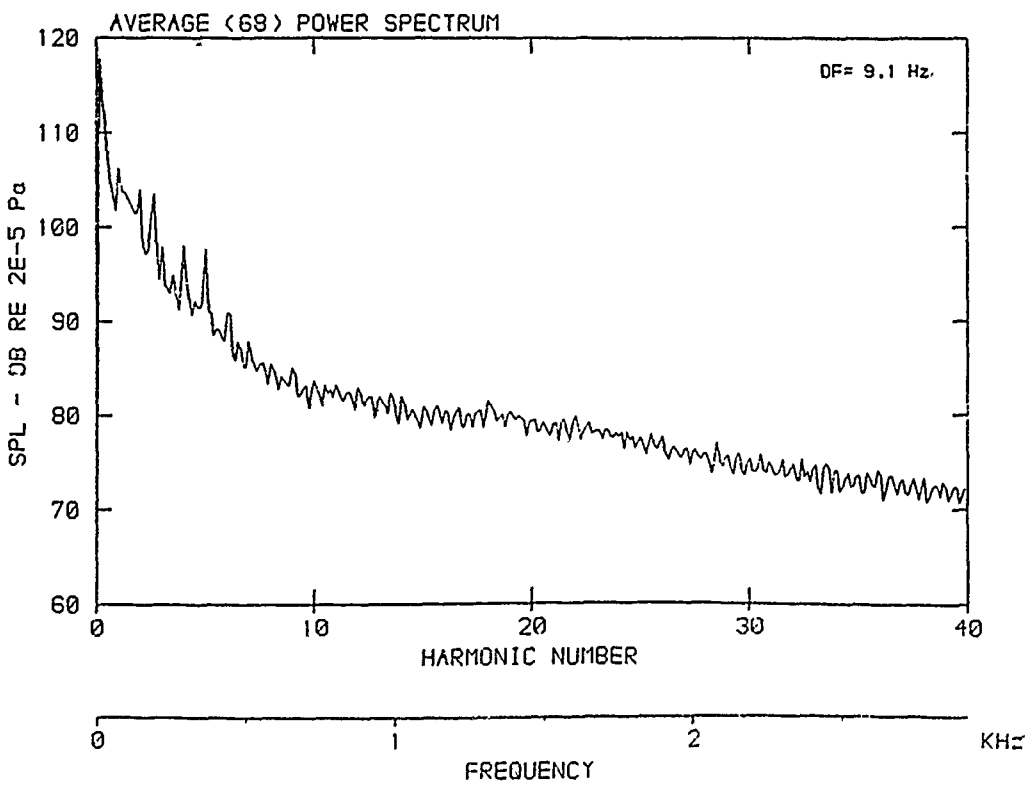




DATA POINT: AN-7 RUN: 68 MP: 5

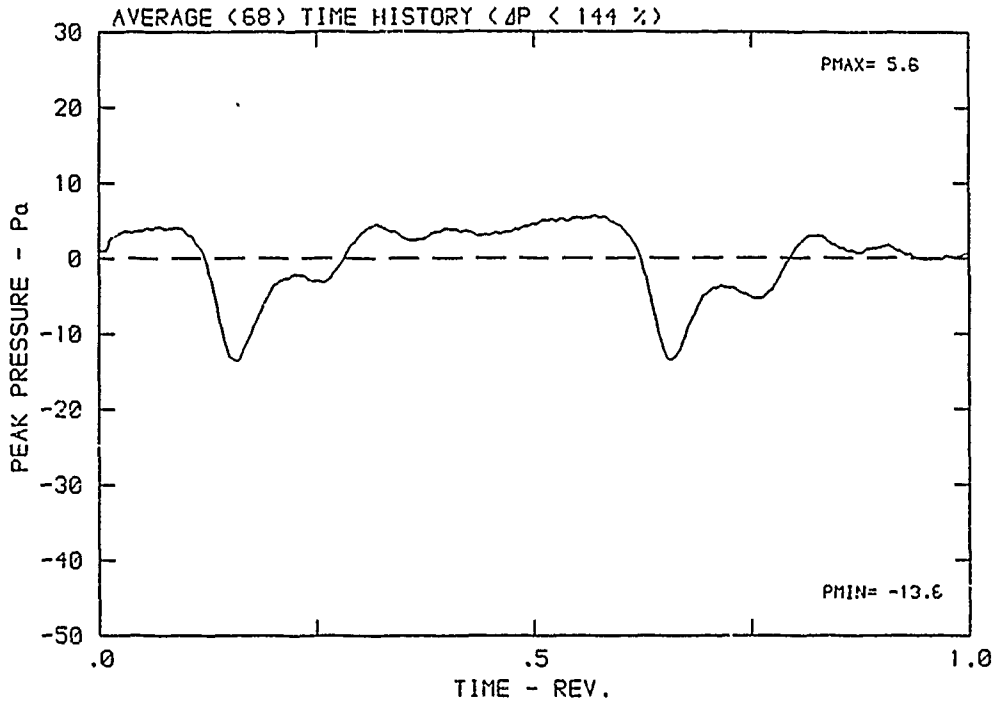
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.8 K

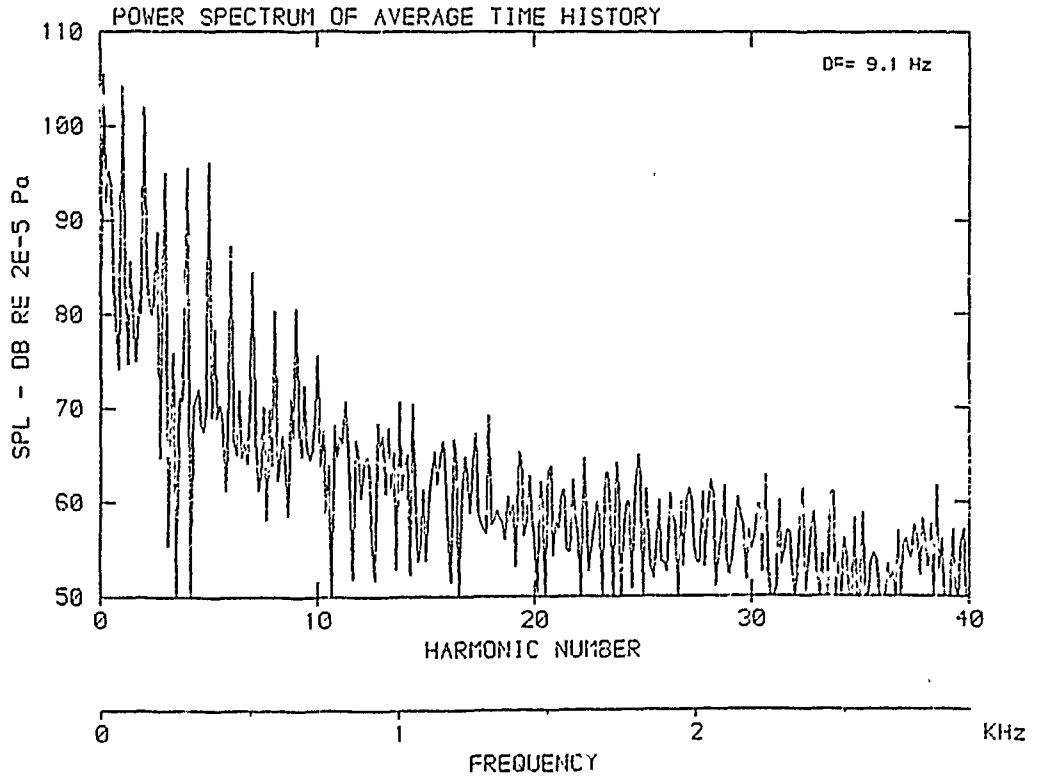




DATA POINT: AN-7	RUN: 68	MP: 5

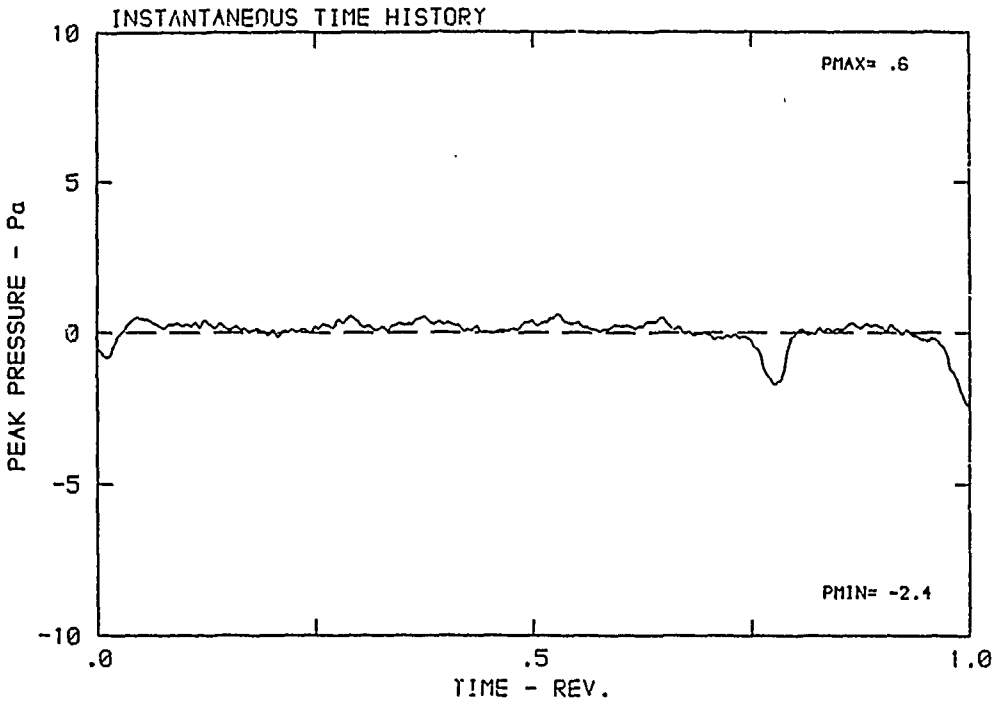
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

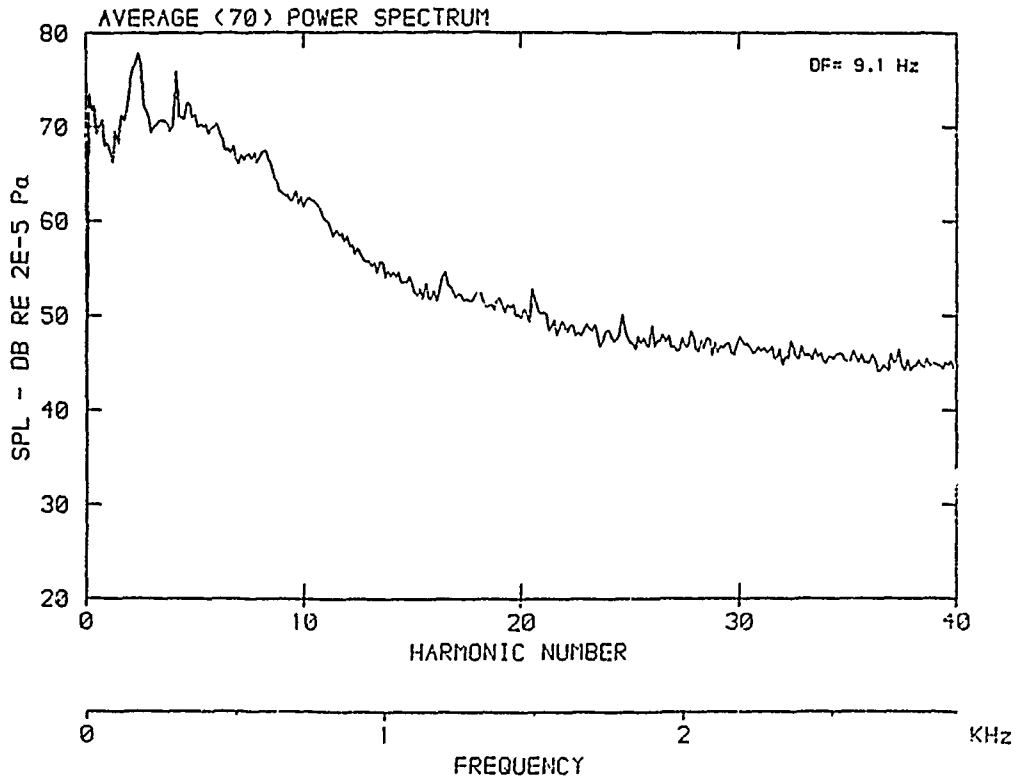




DATA POINT: AN-7 RUN: 68 MP: 6

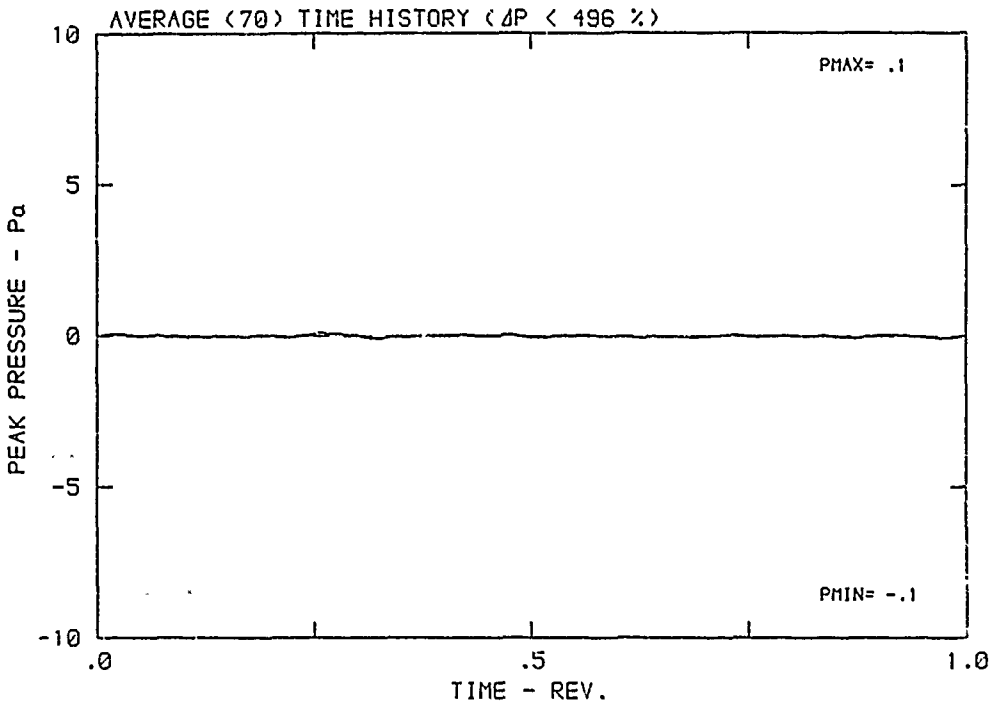
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

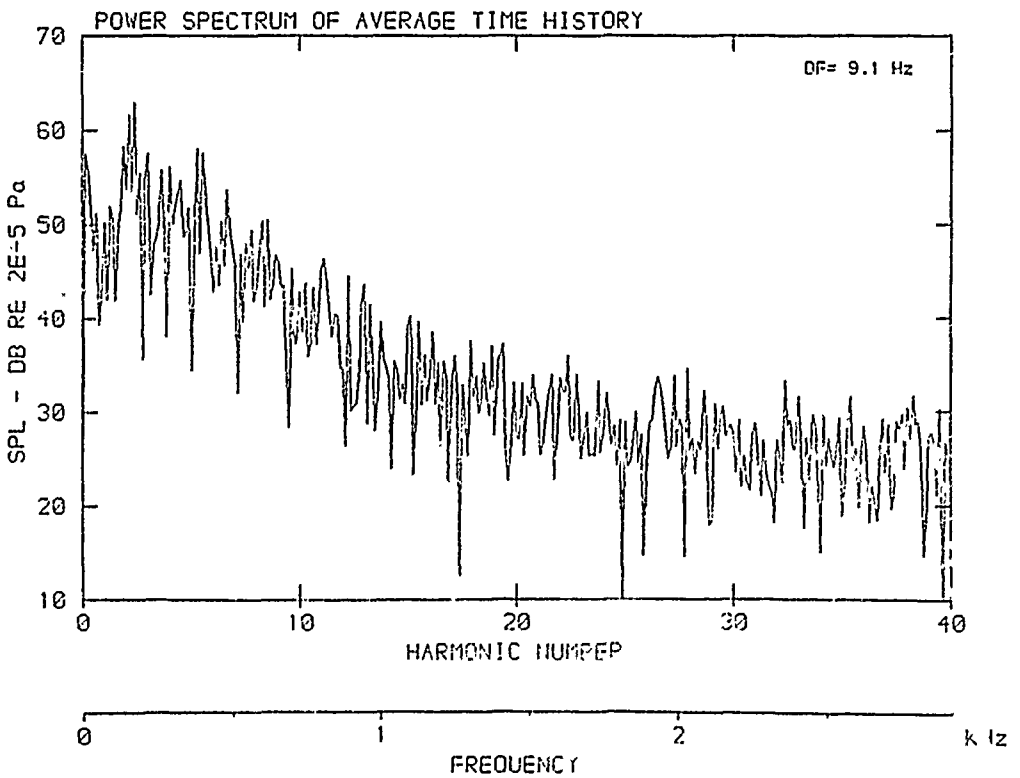




DATA POINT: AN-7	RUN: 68	MP: 6

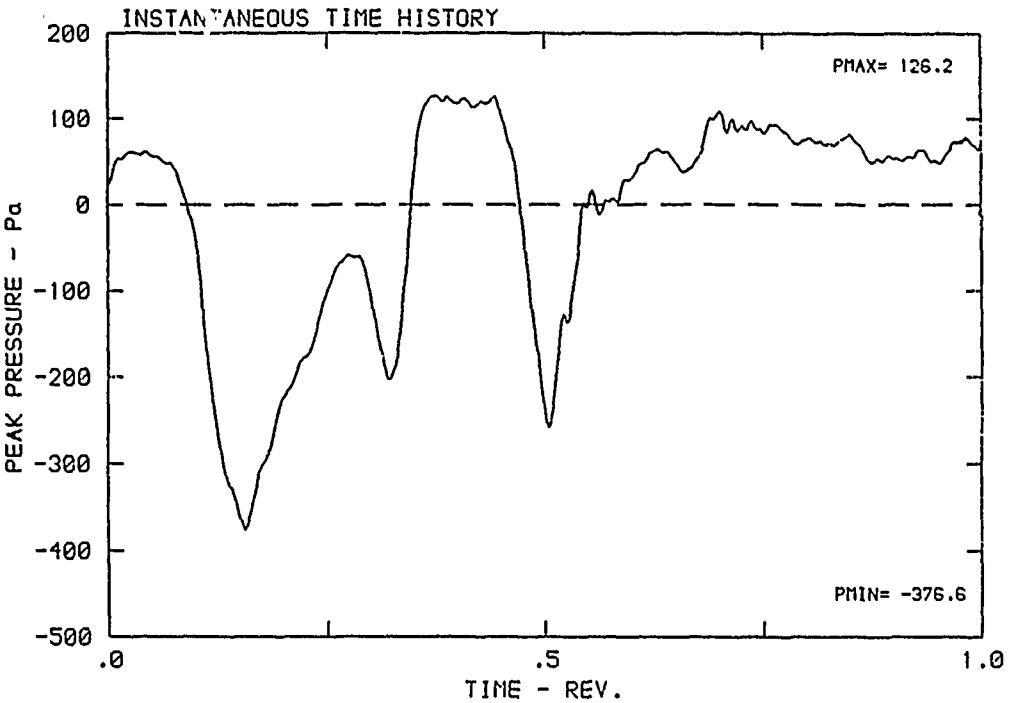
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

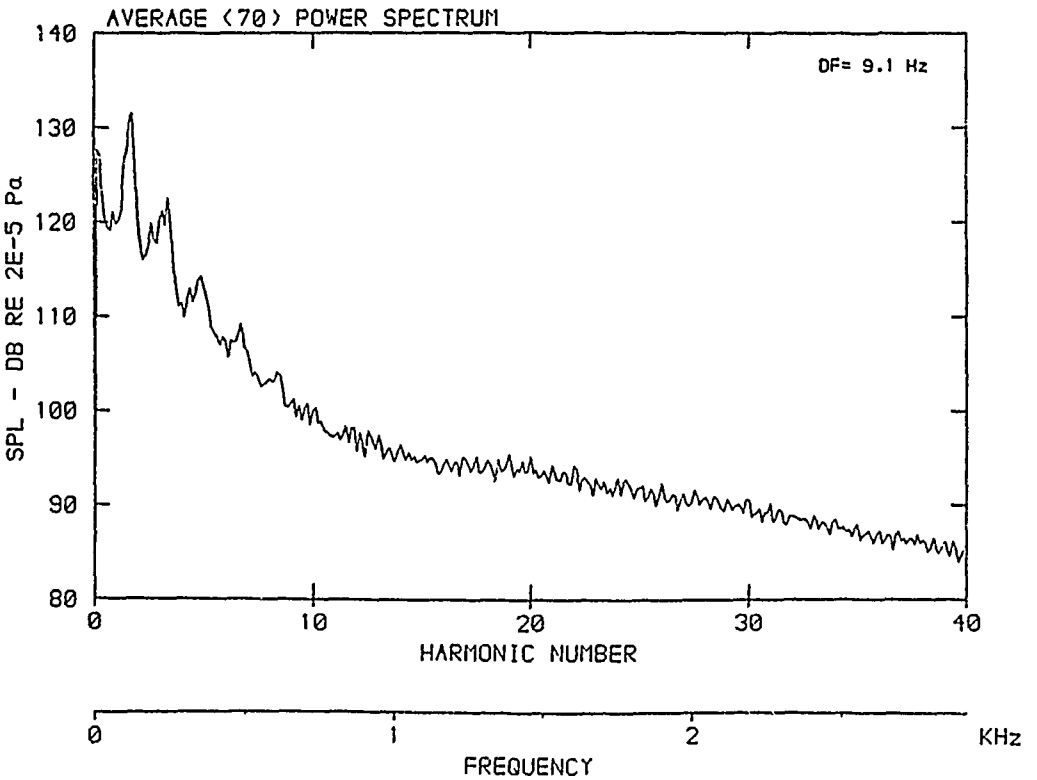




DATA POINT: AN-7 RUN: 68 MP: 7

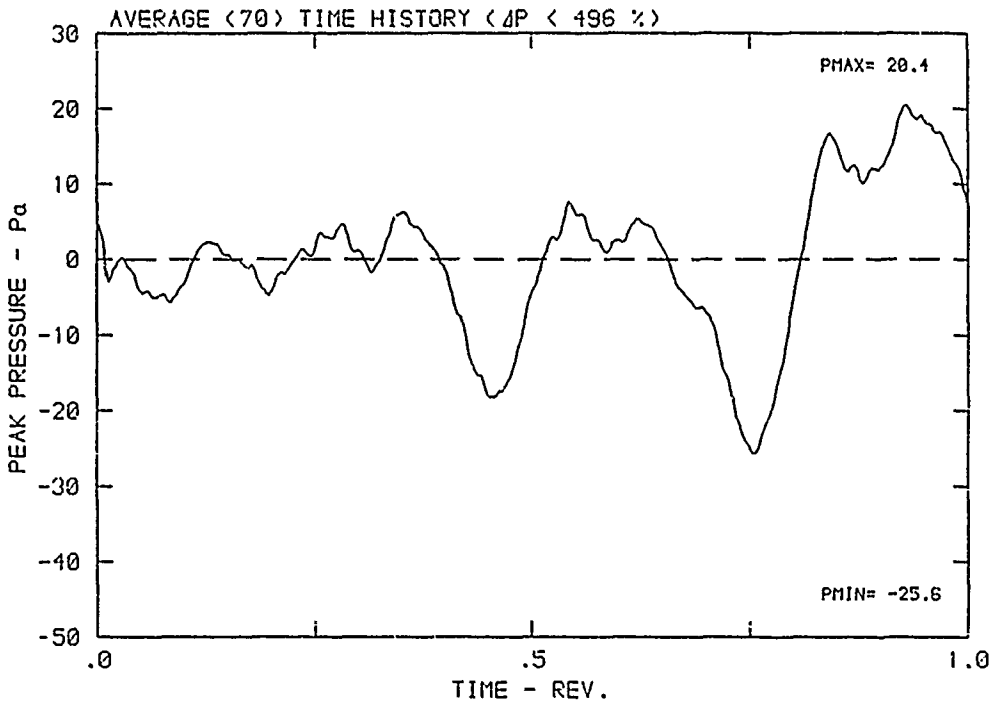
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 φ: .0° T: 291.0 K

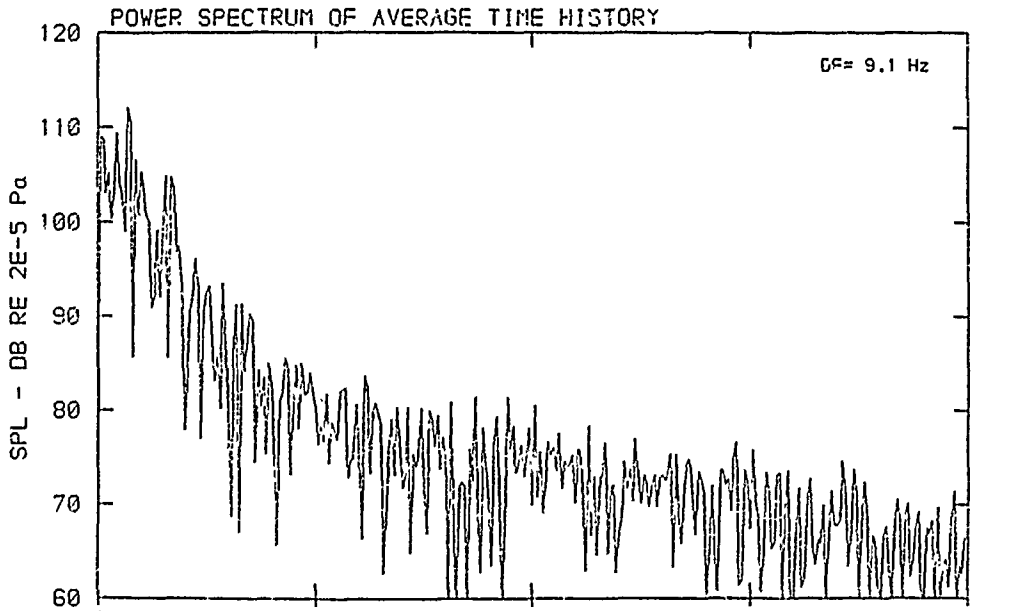




DATA POINT: AN-7 RUN: 68 MP: 7

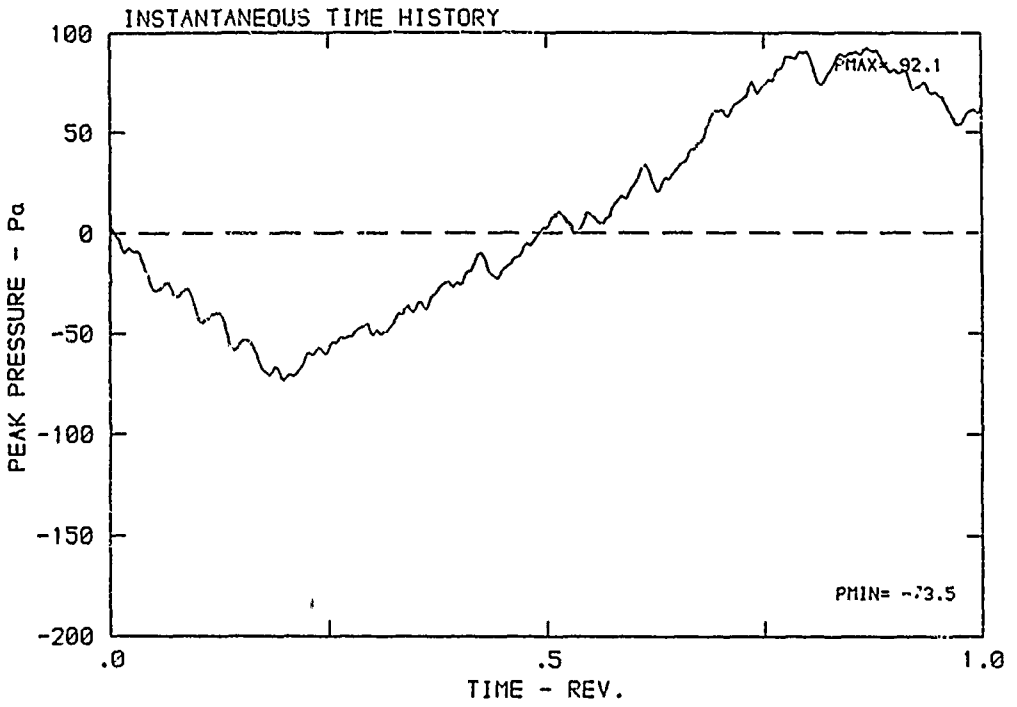
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

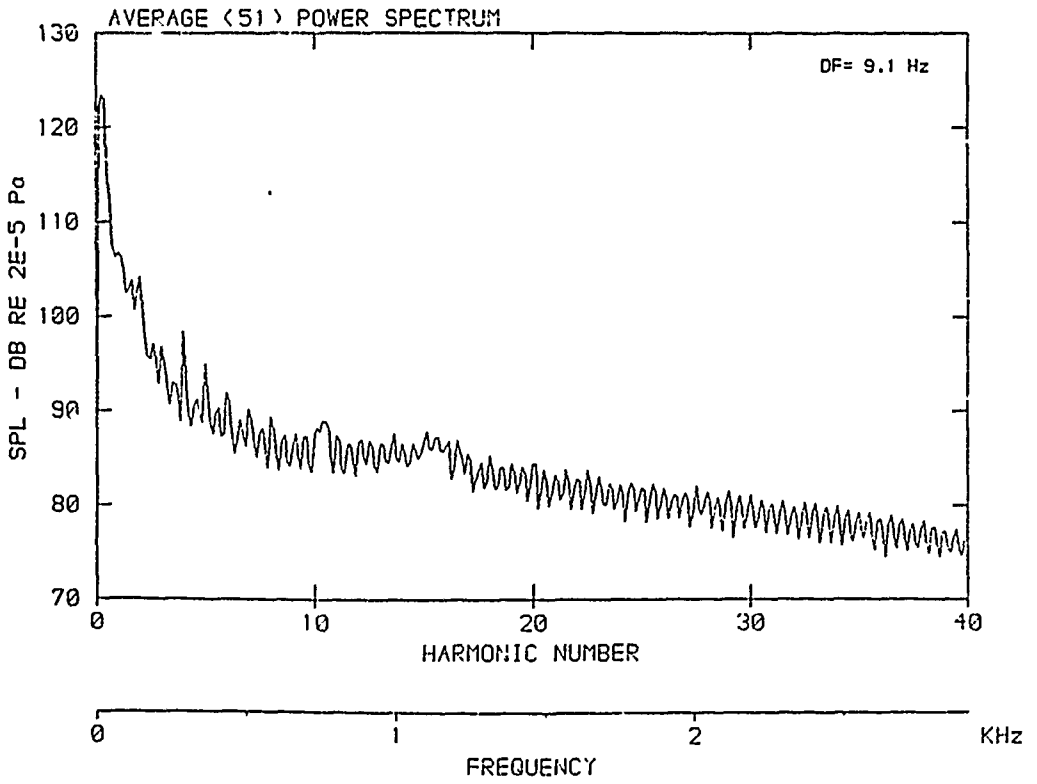




DATA POINT: AN-7 RUN: 68 MP: 9

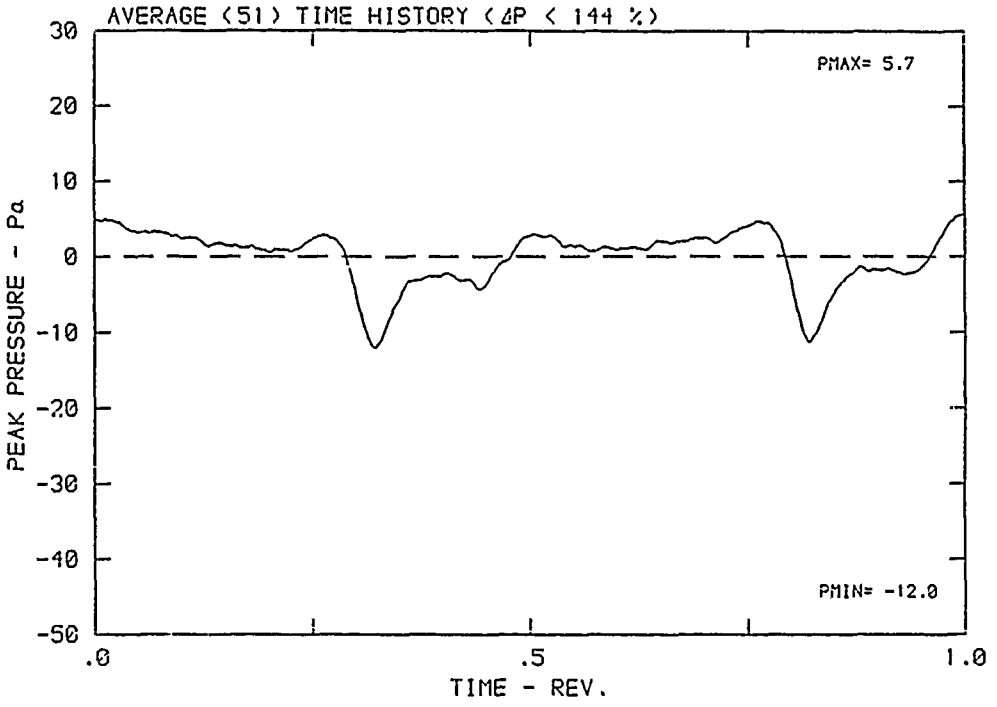
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

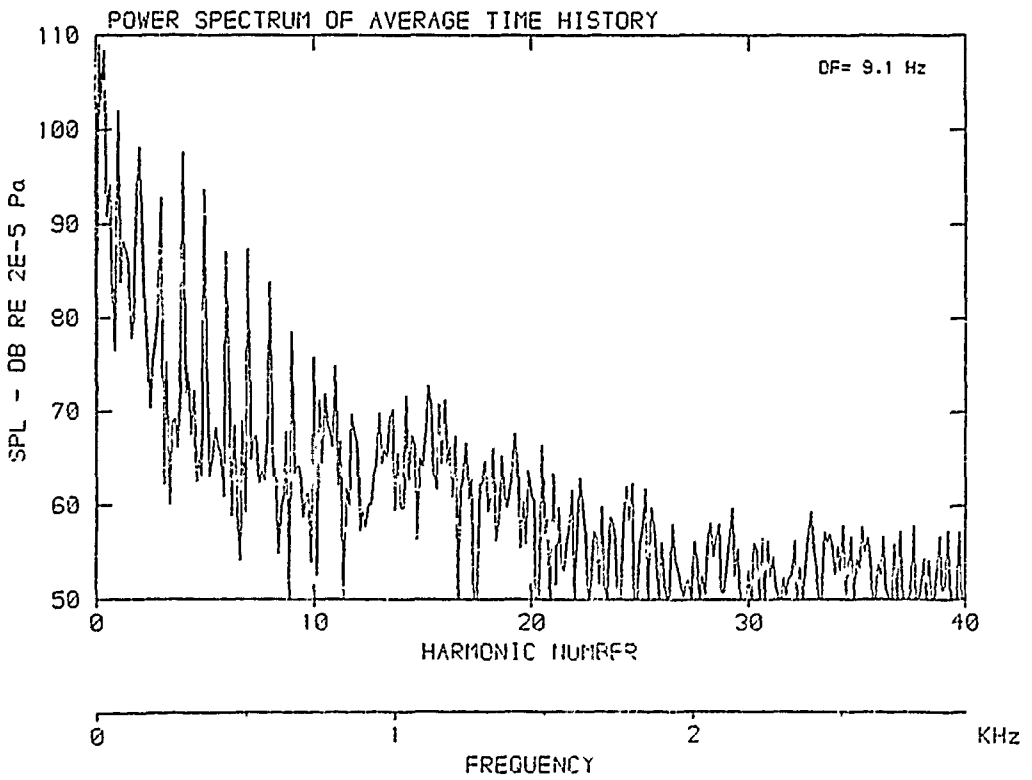




DATA POINT: AN-7	RUN: 68	MP: 9

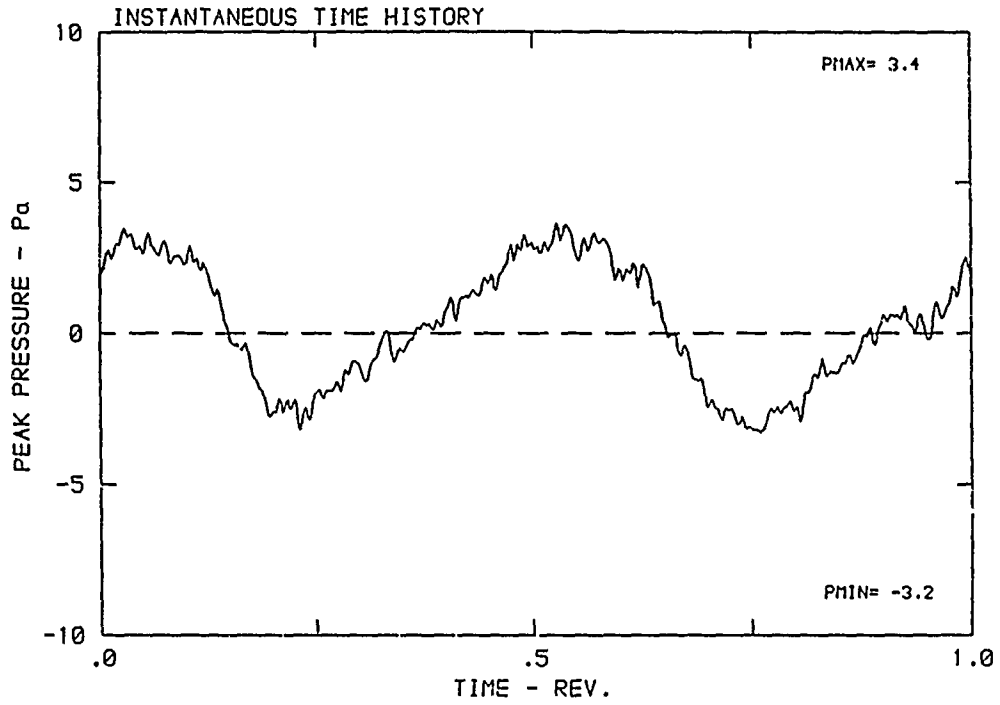
β: 20.8° MH: .7174 n: 2189 rpm v/u: .331 ϕ: .0° T: 291.0 K

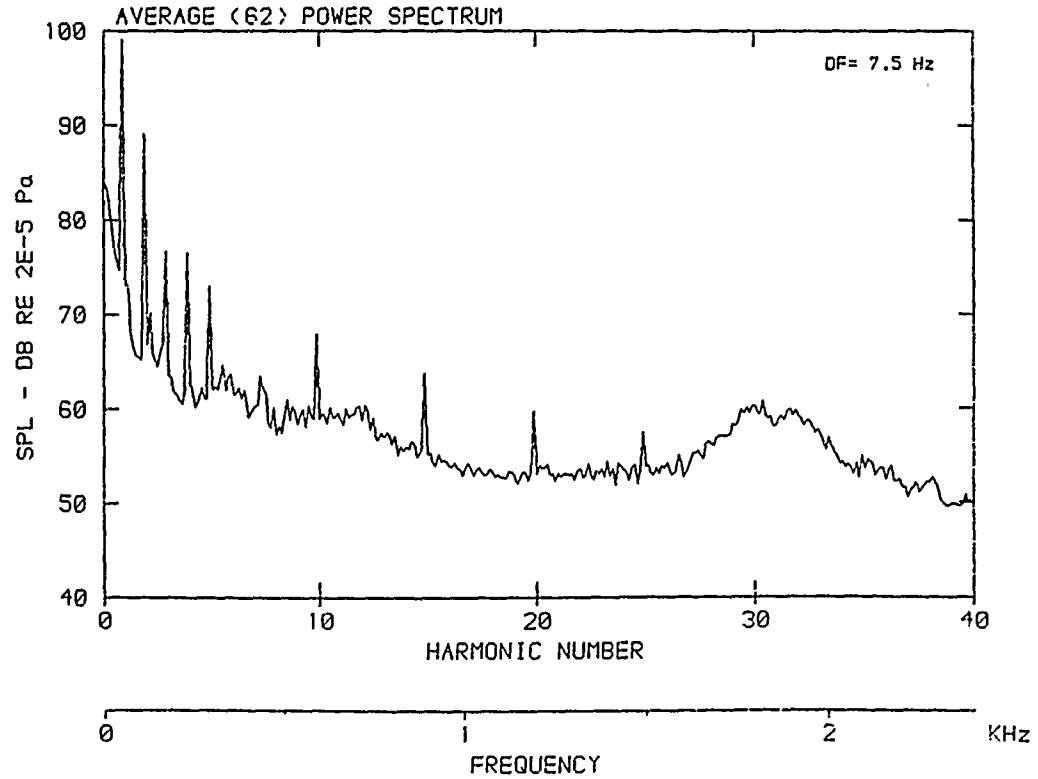




DATA POINT: BN-1 RUN: 58 MP: 1

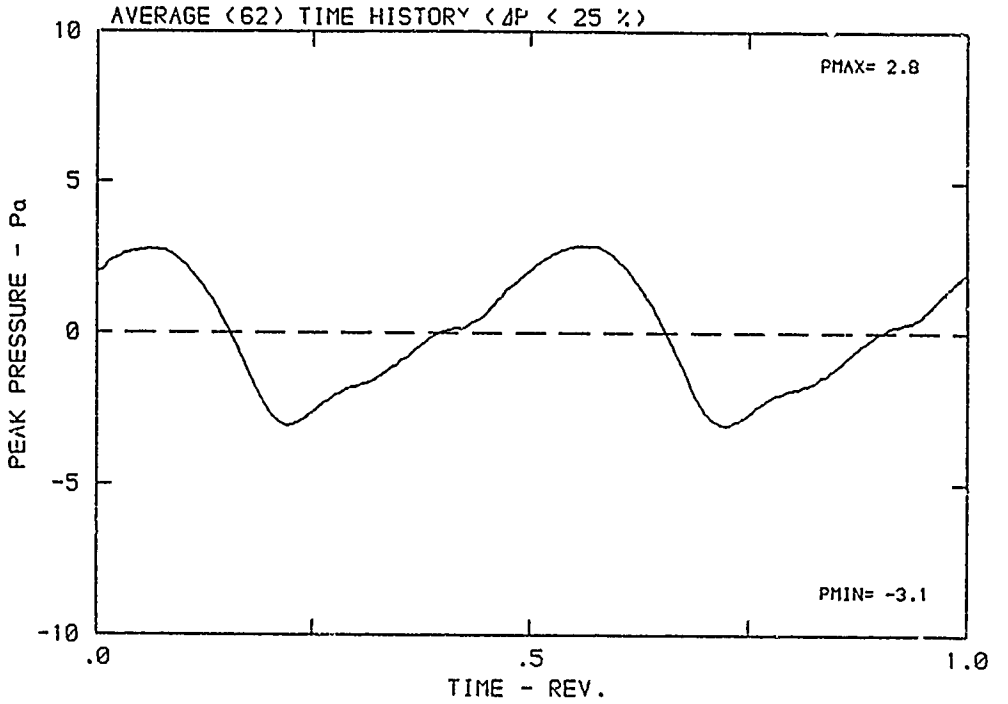
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

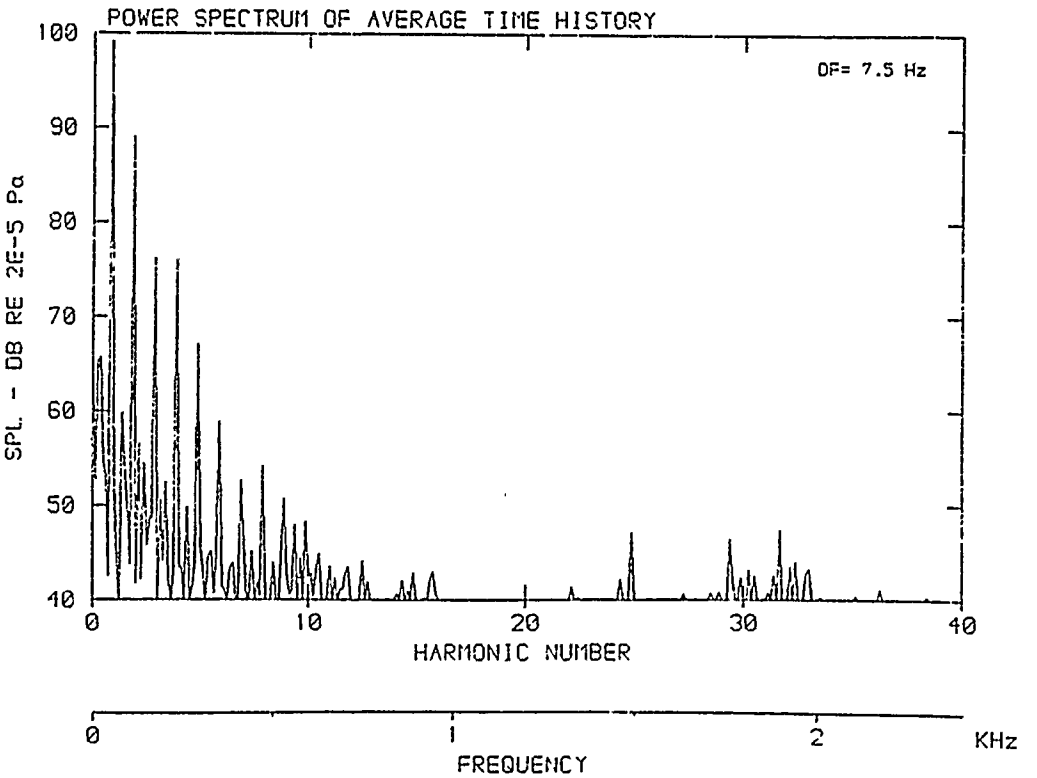




DATA POINT: BN-1 RUN: 58 MP: 1

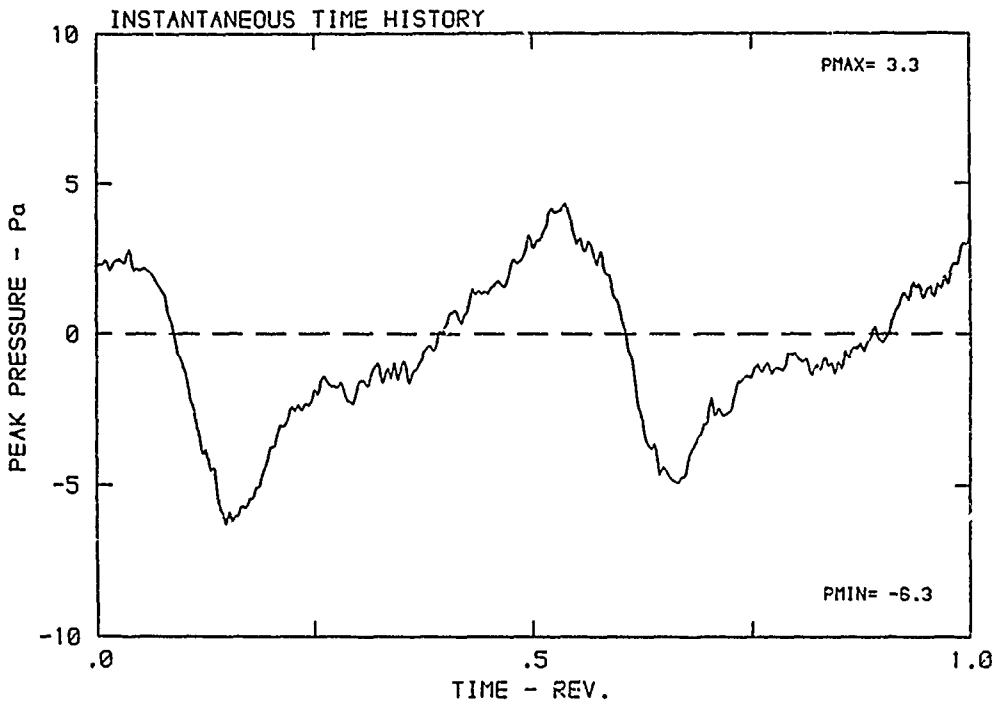
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

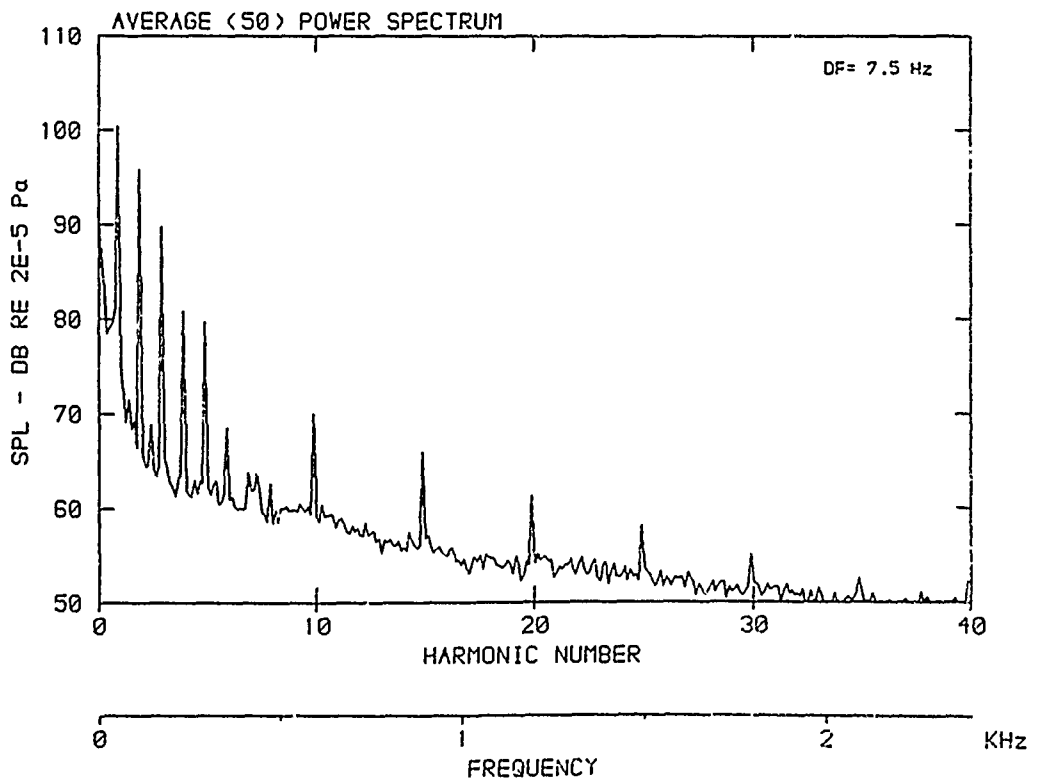




DATA POINT: BN-1 RUN: 58 MP: 2

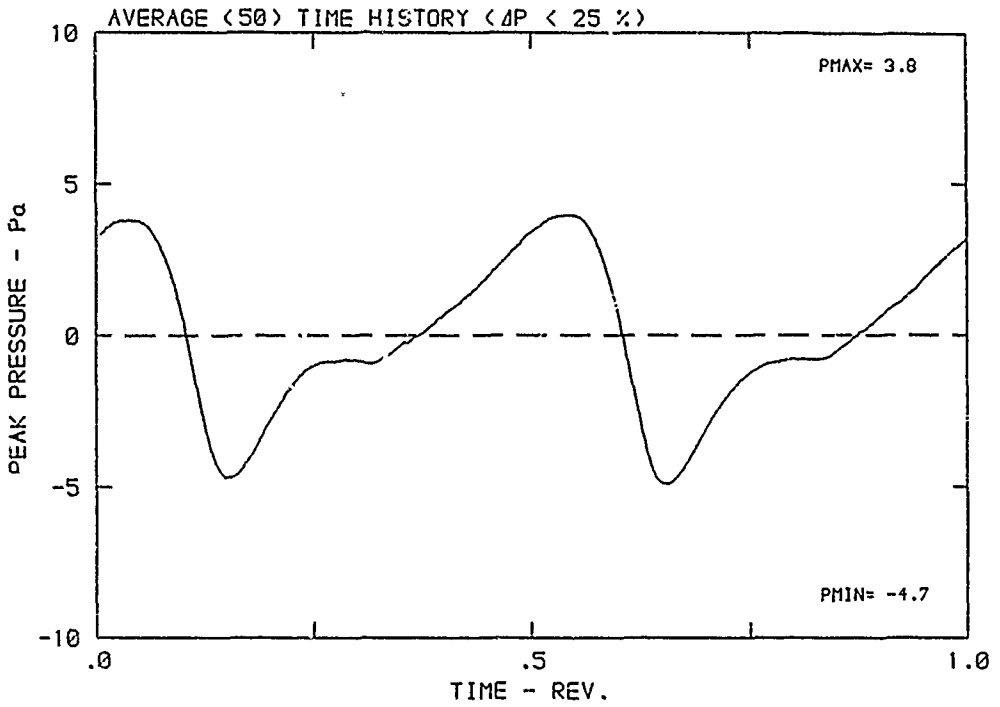
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

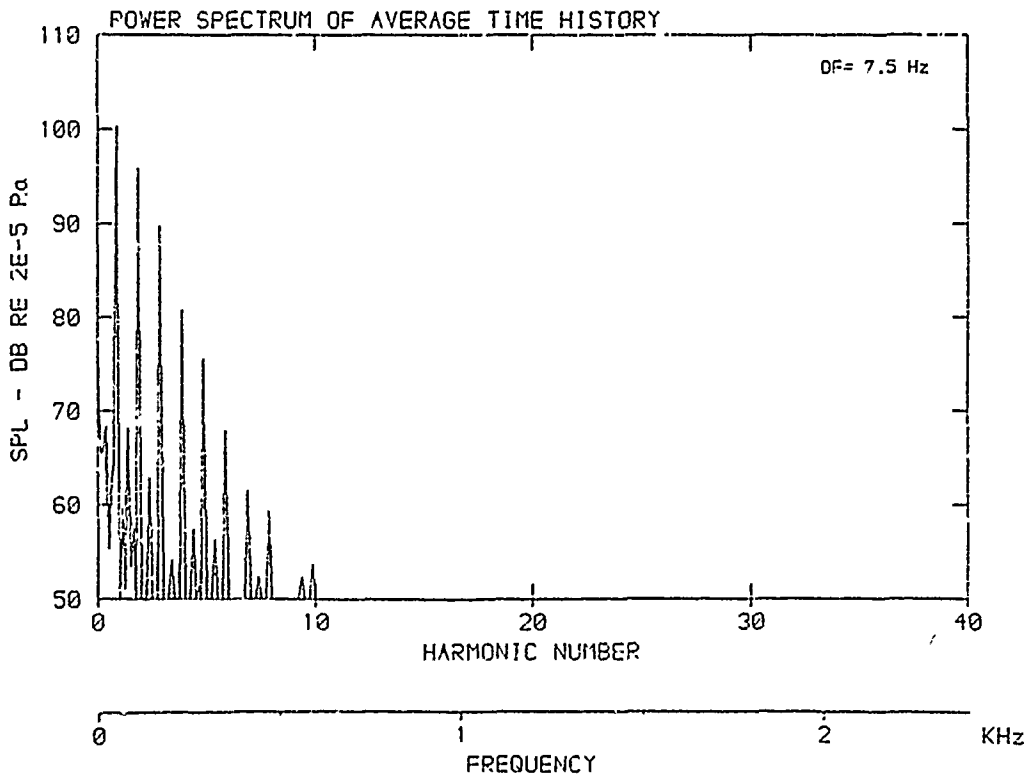




DATA POINT: BN-1	RUN: 58	MP: 2

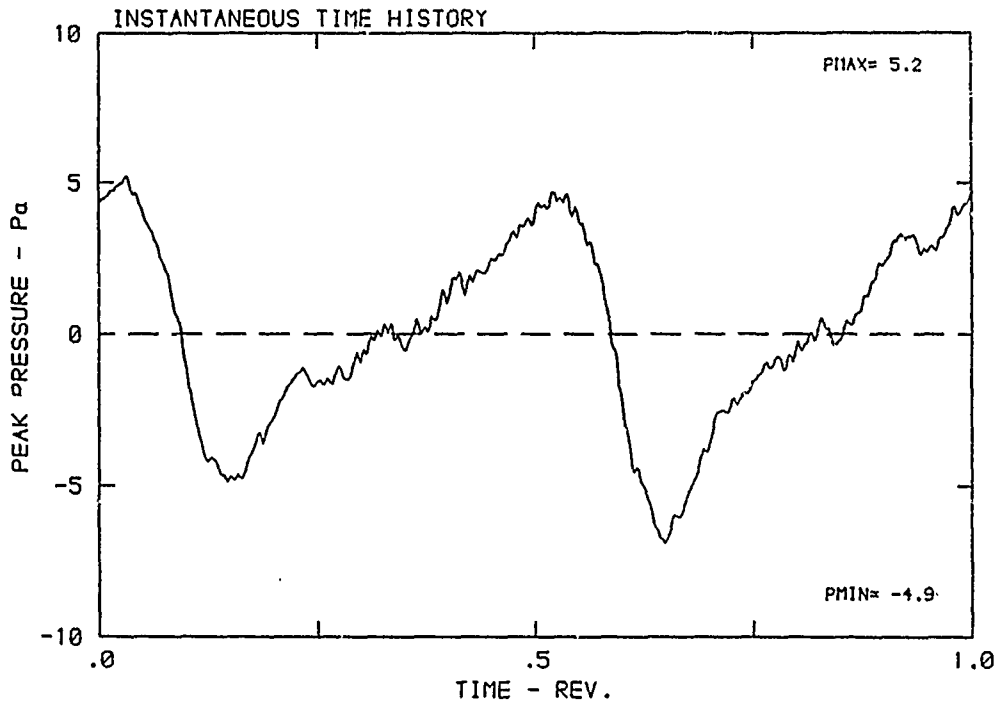
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

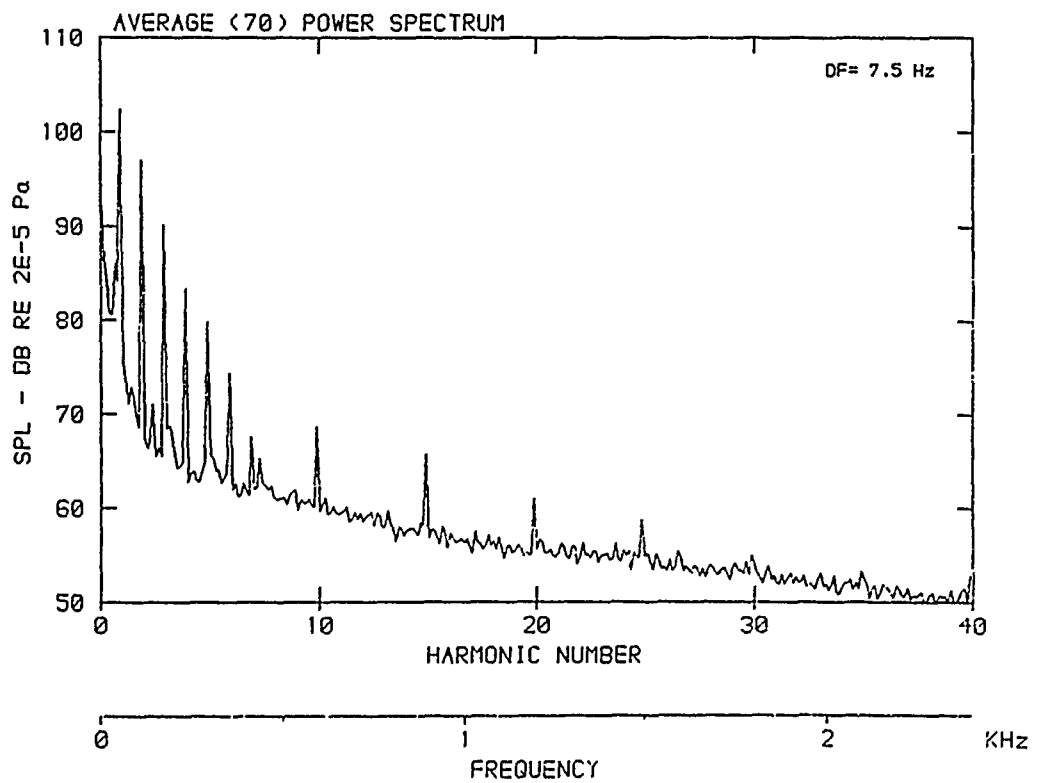




DATA POINT: BN-1 RUN: 58 MP: 3

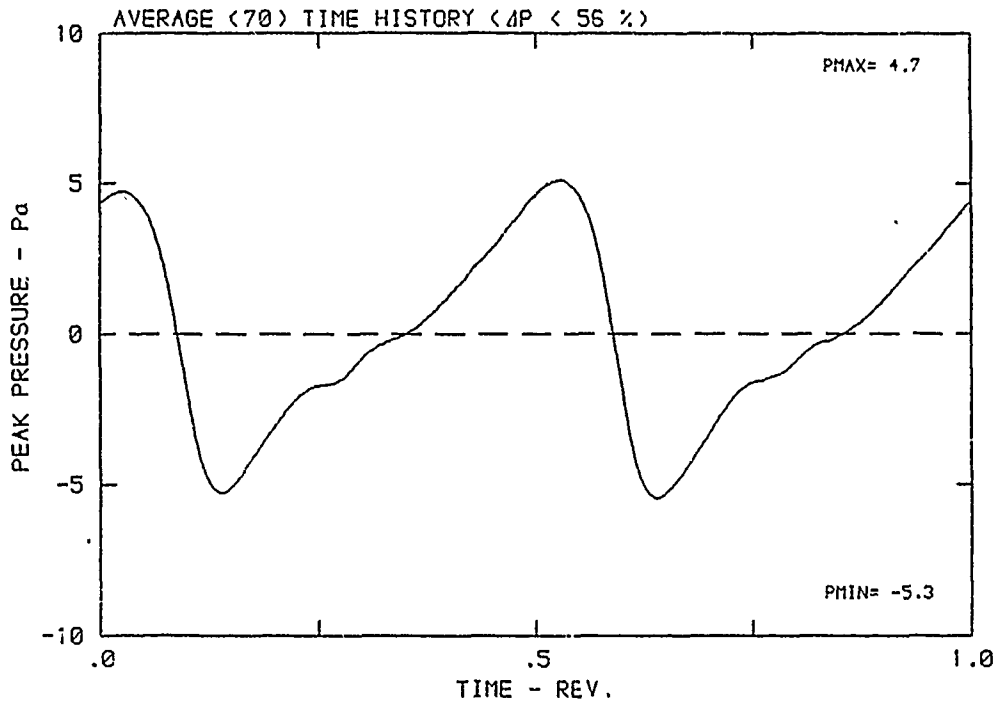
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

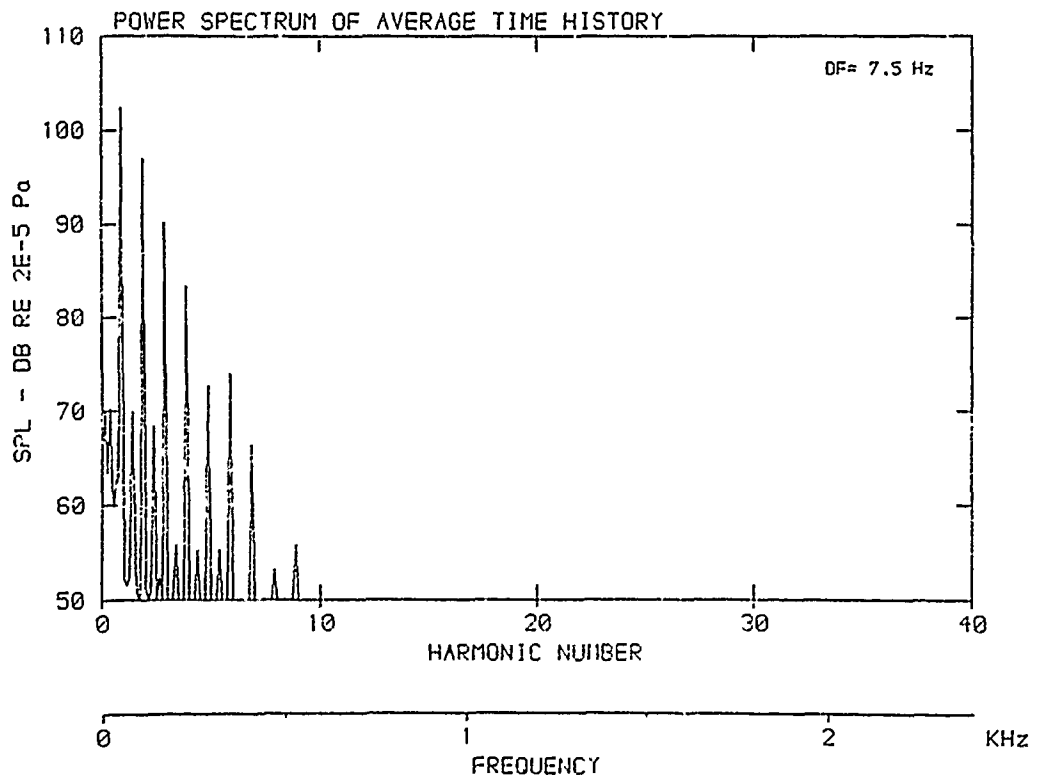




DATA POINT: BN-1	RUN: 58	MP: 3

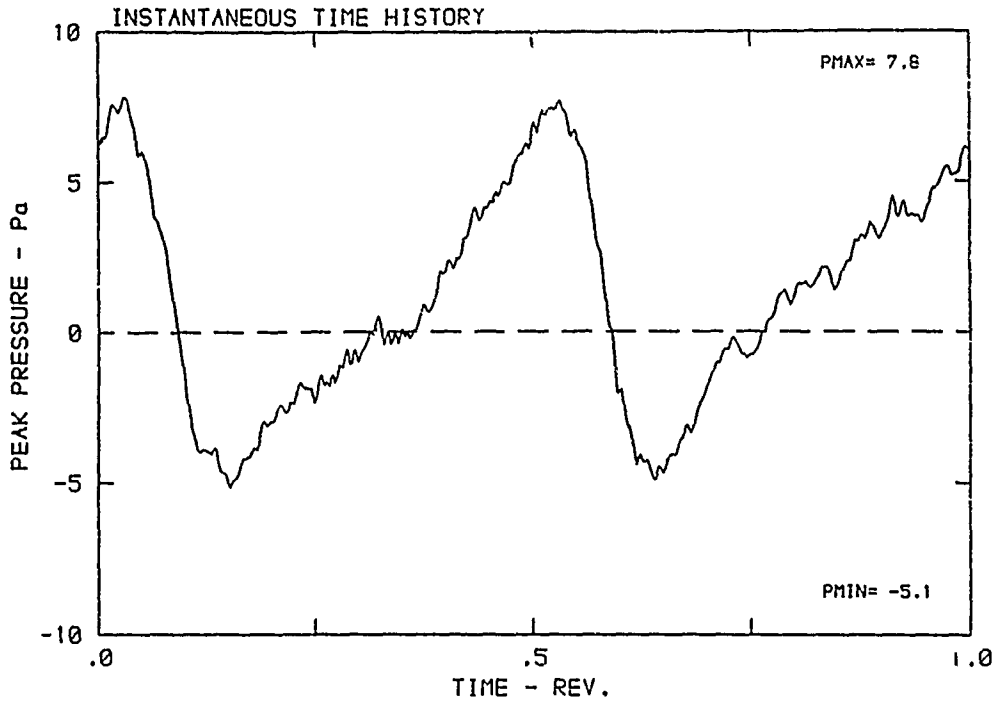
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

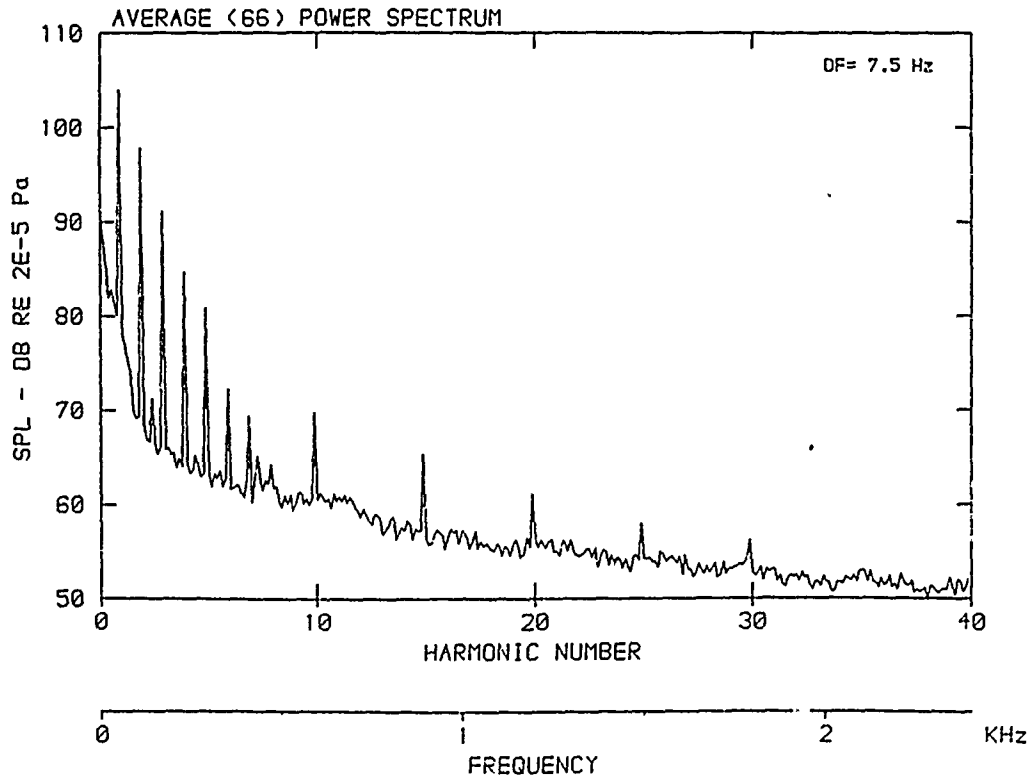




DATA POINT: BN-1 RUN: 58 MP: 4

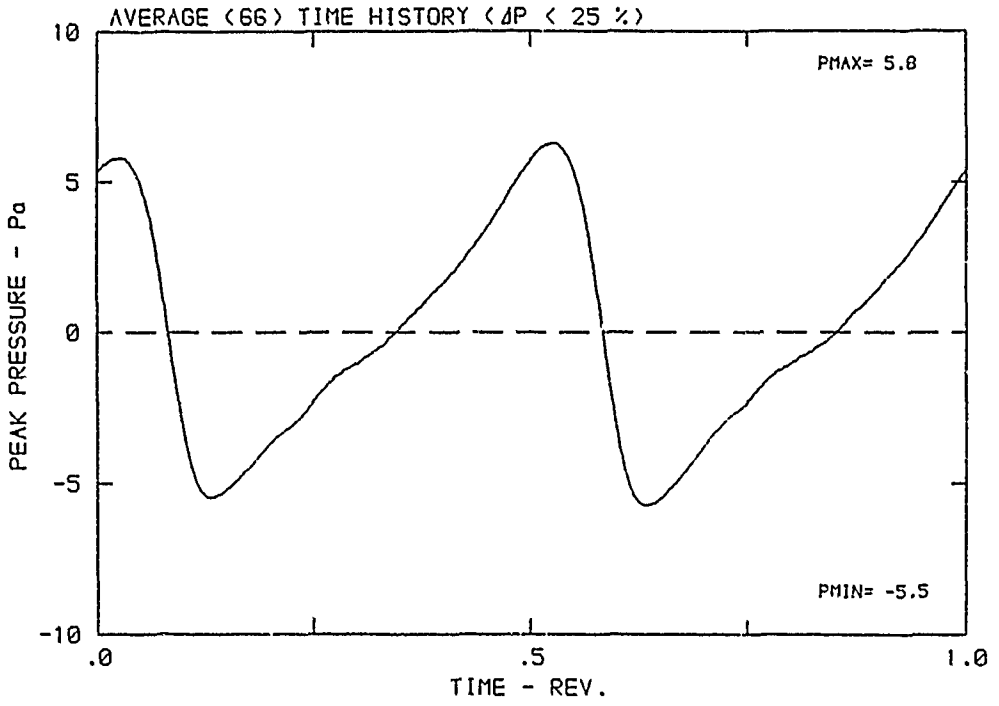
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

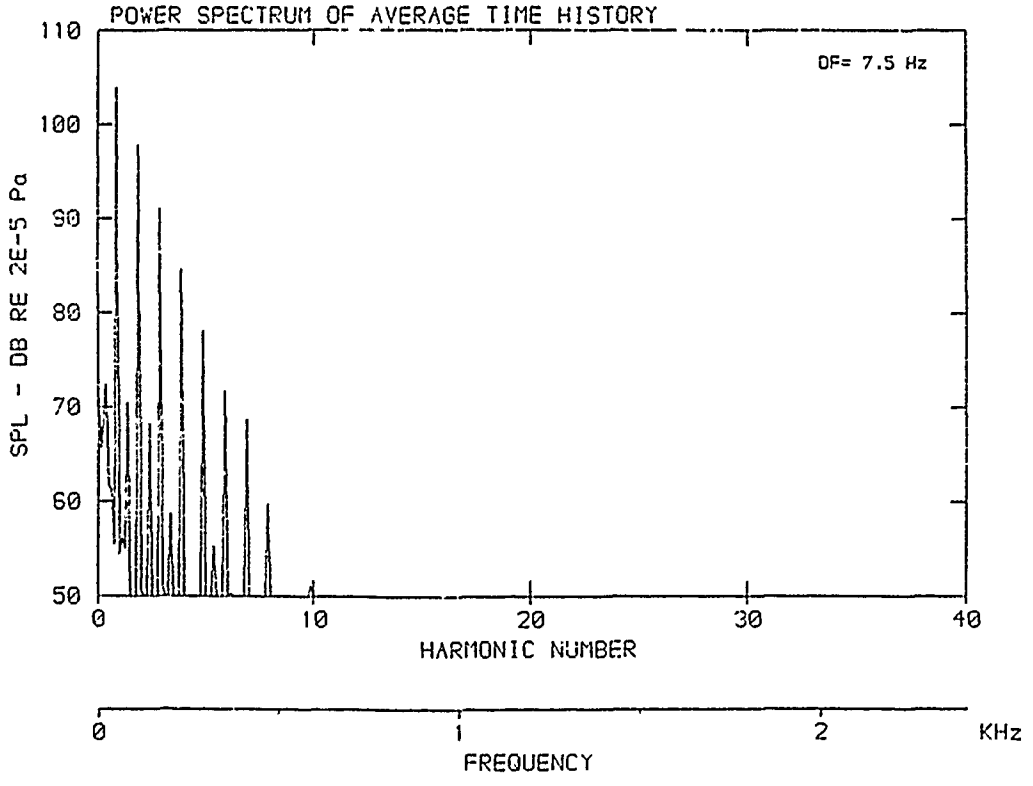




DATA POINT: BN-1	RUN: 58	MP: 4

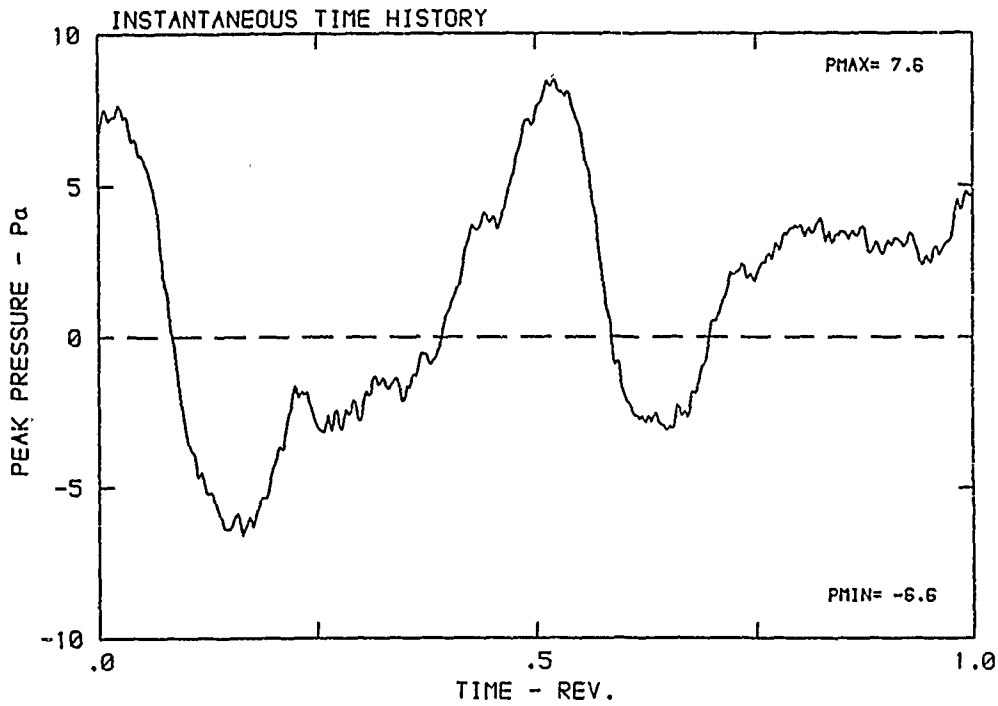
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

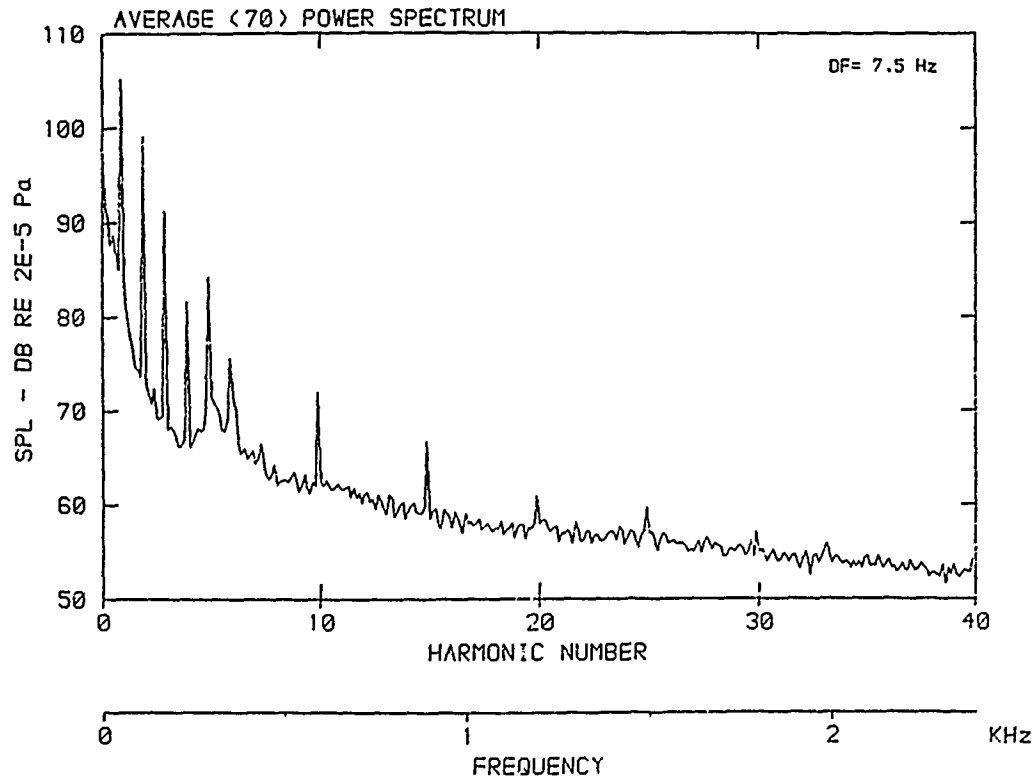




DATA POINT: BN-1	RUN: 58	MP: 5

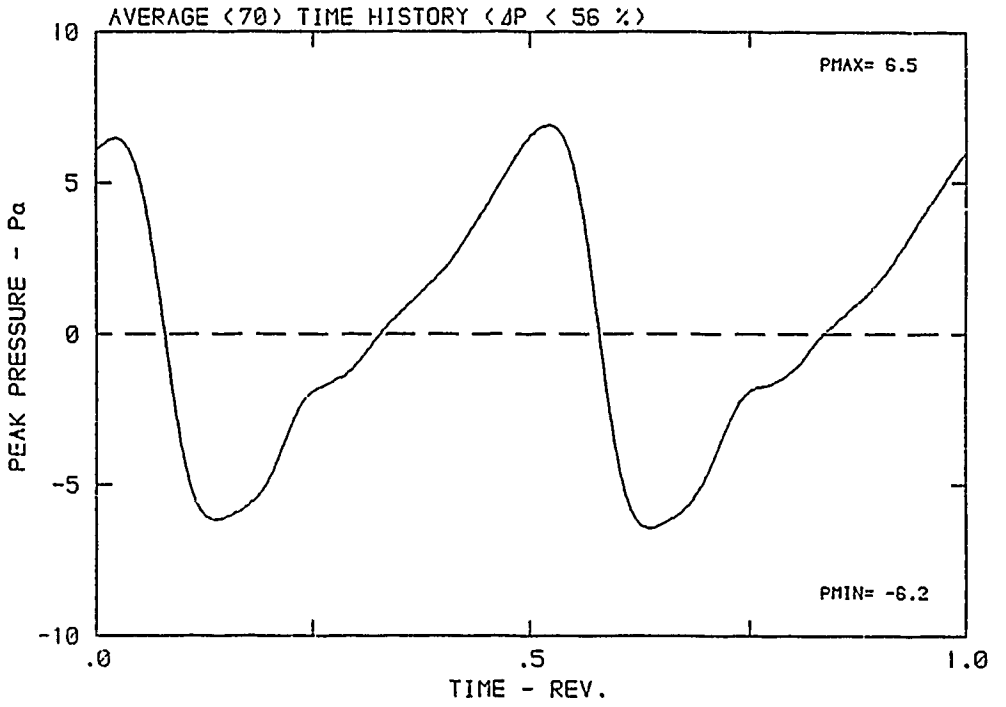
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

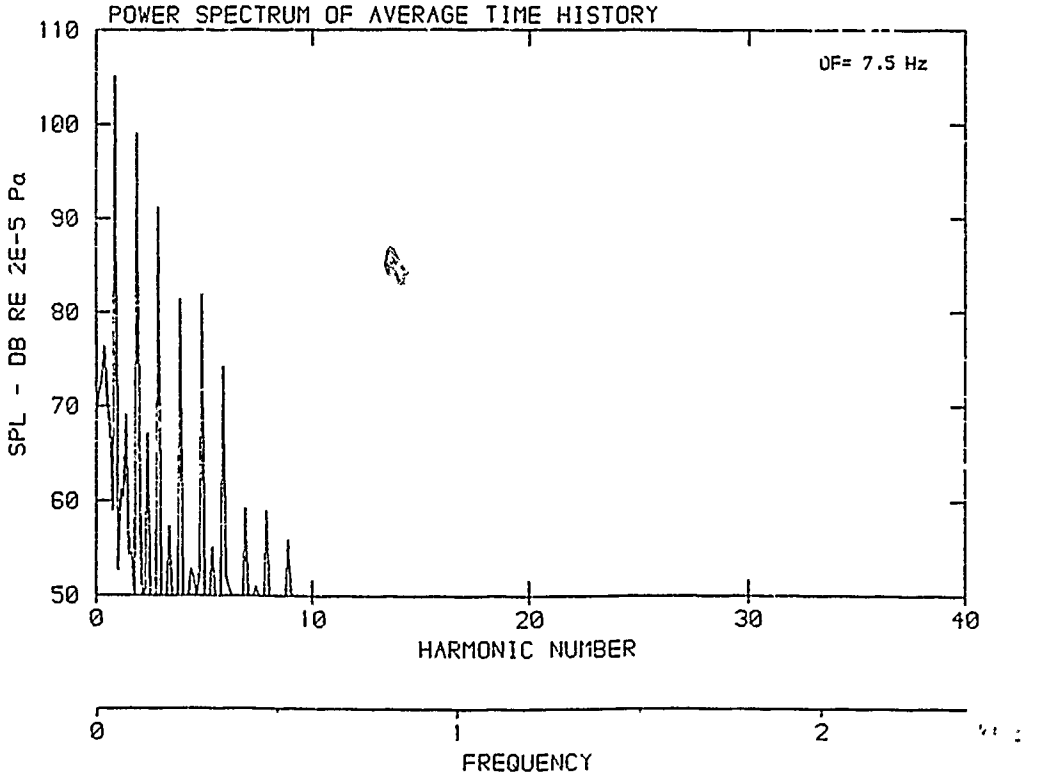




DATA POINT: BN-1 RUN: 58 MP: 5

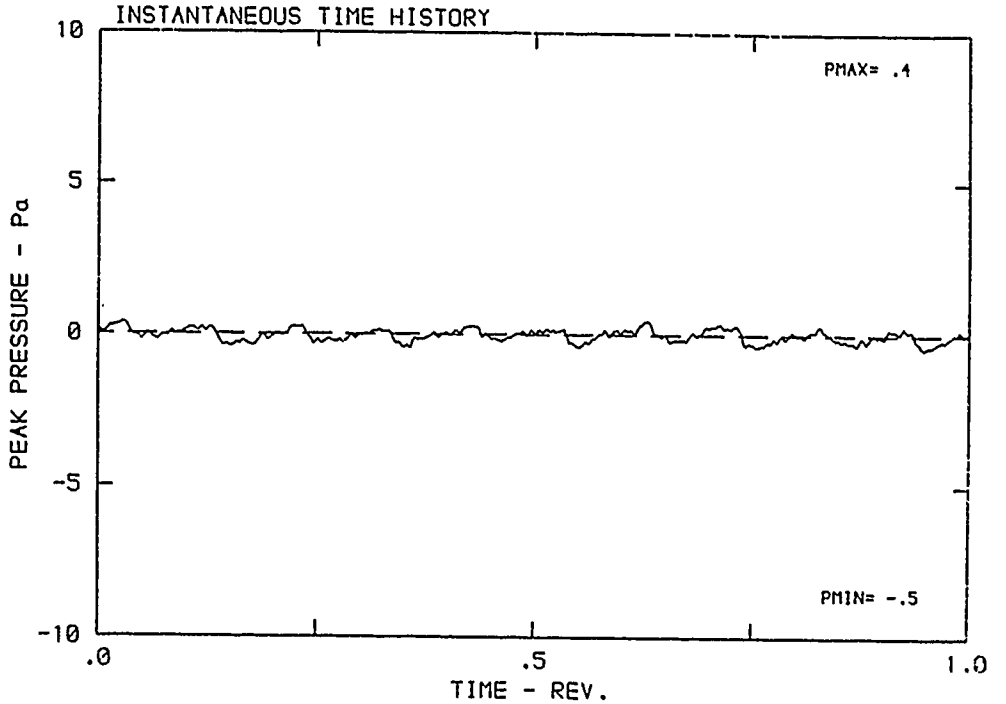
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

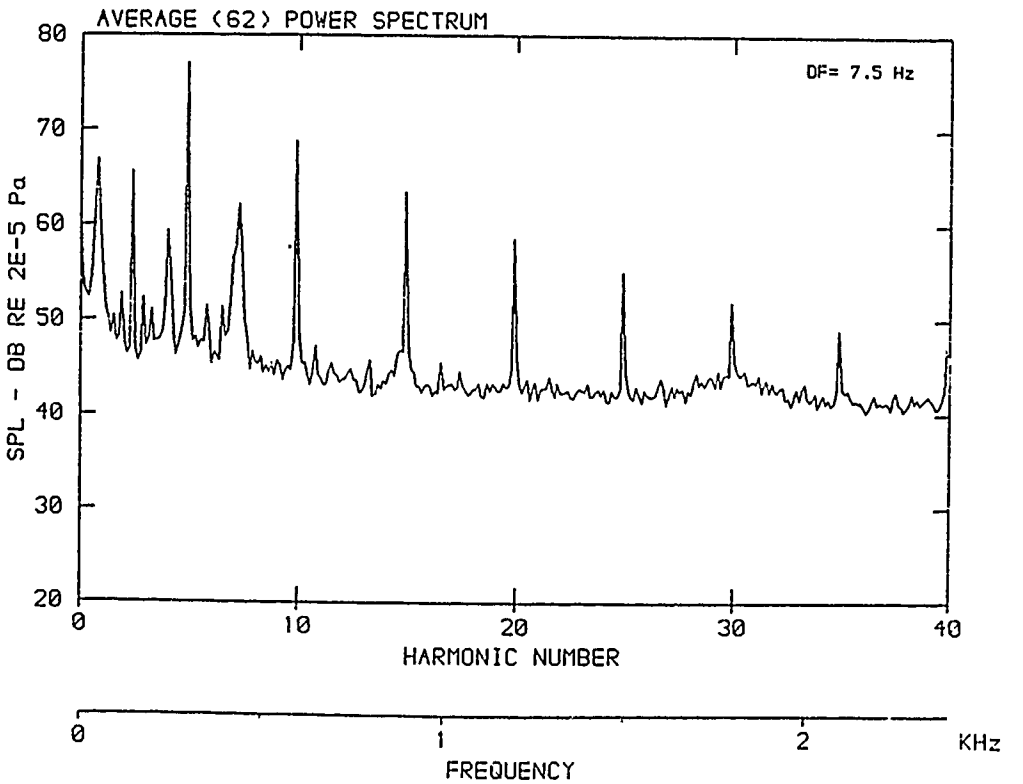




DATA POINT: BN-1 RUN: 58 MP: 6

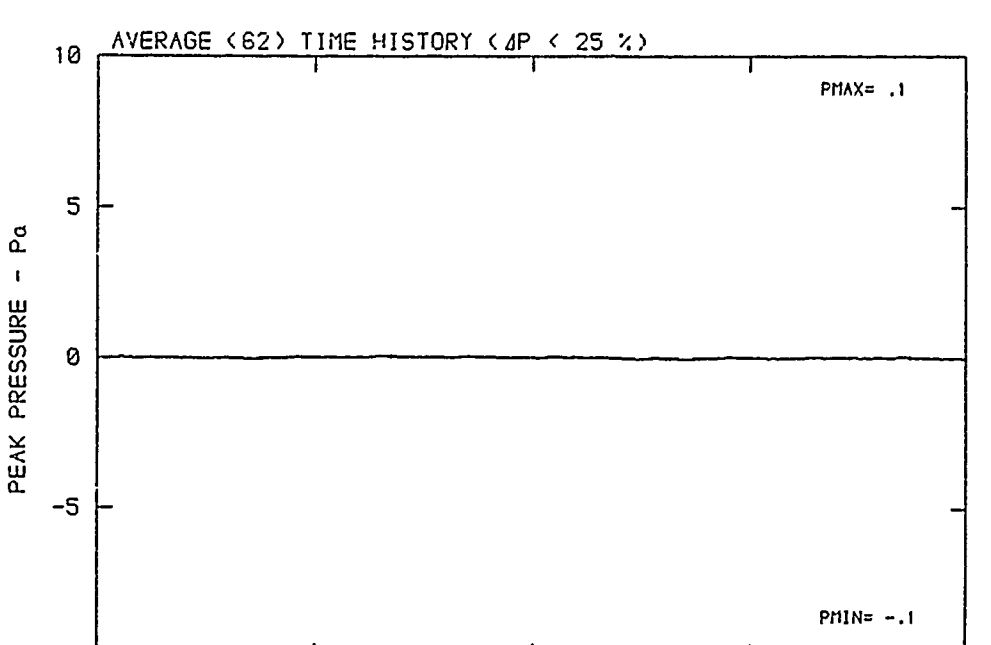
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

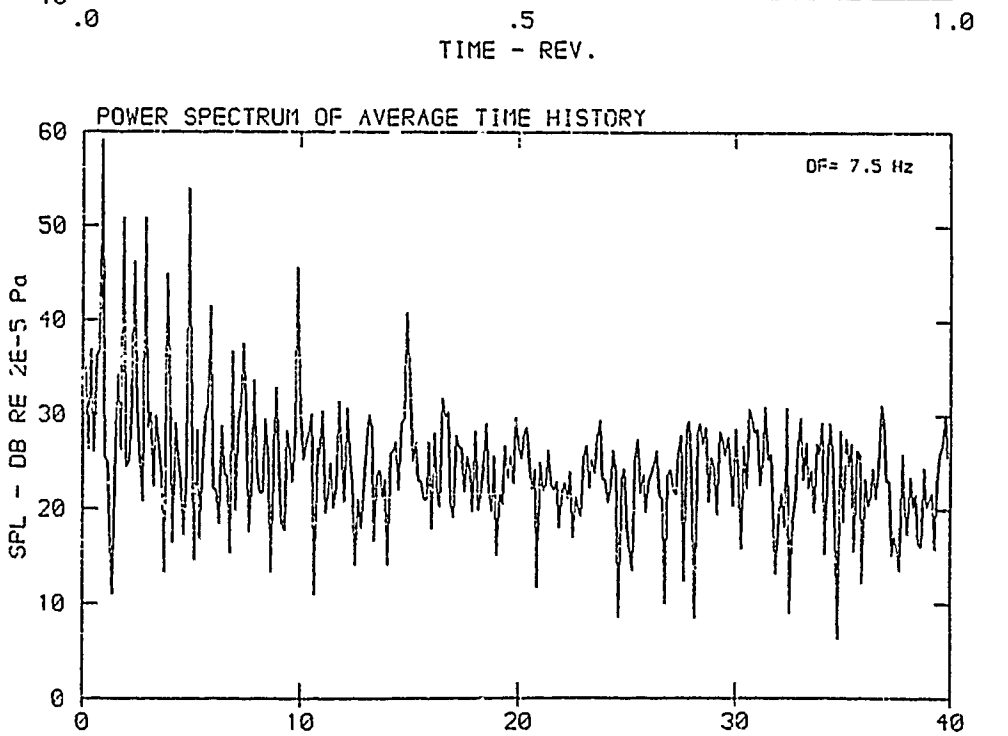




DATA POINT: BN-1 RUN: 58 MP: 6

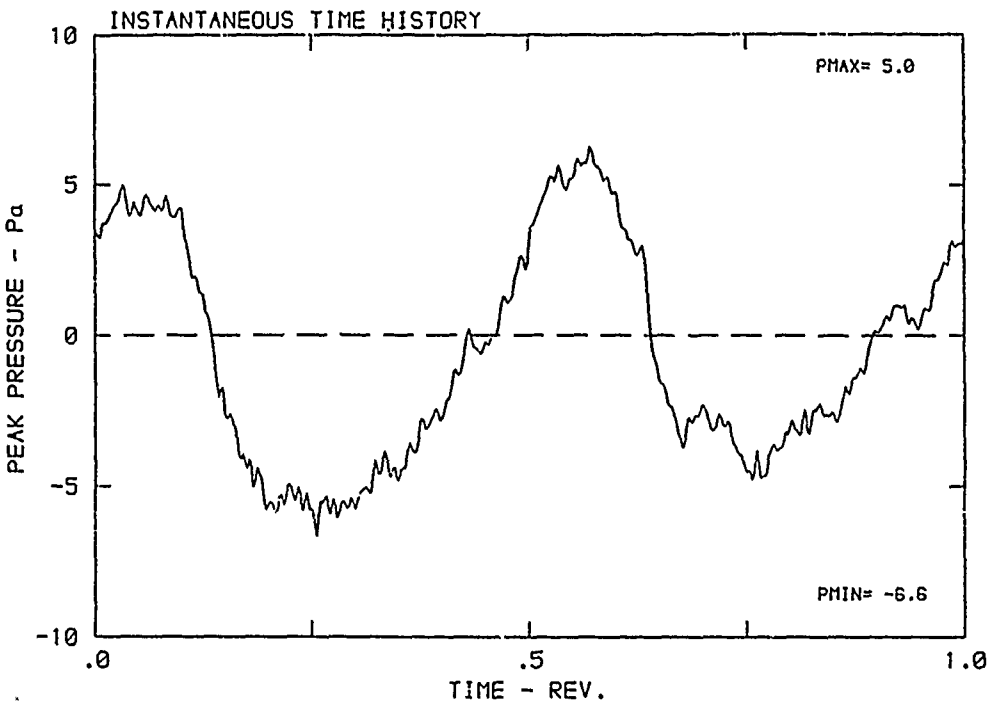
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

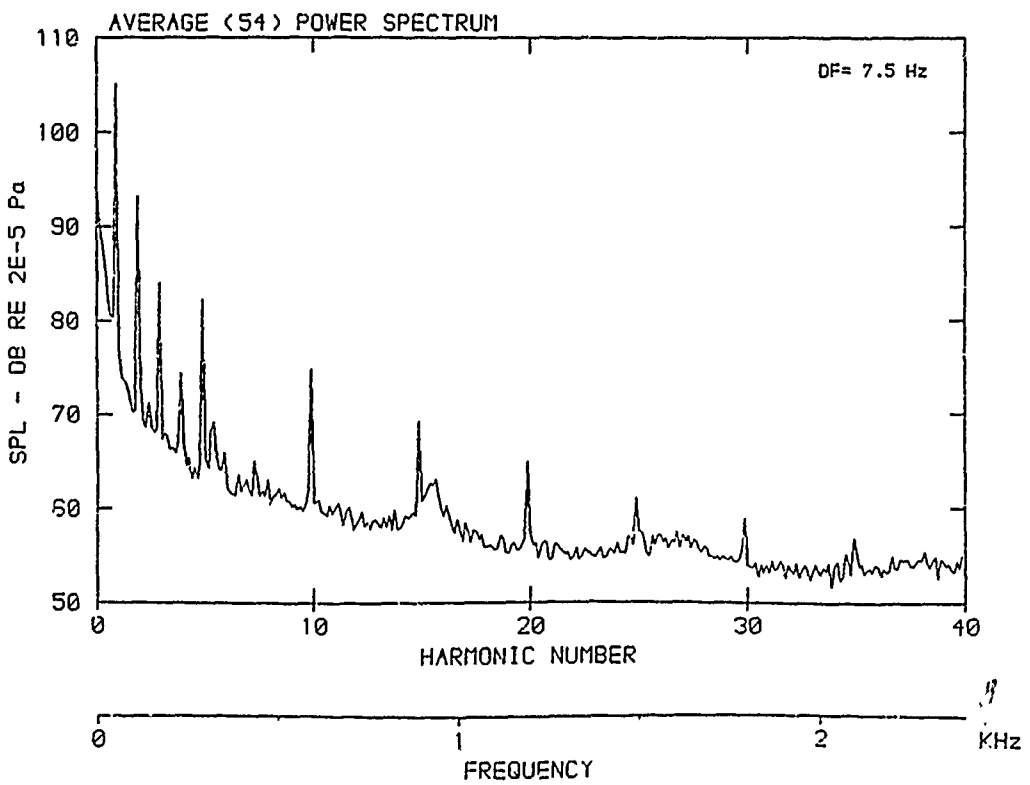




DATA POINT: BN-1 RUN: 58 MP: 7

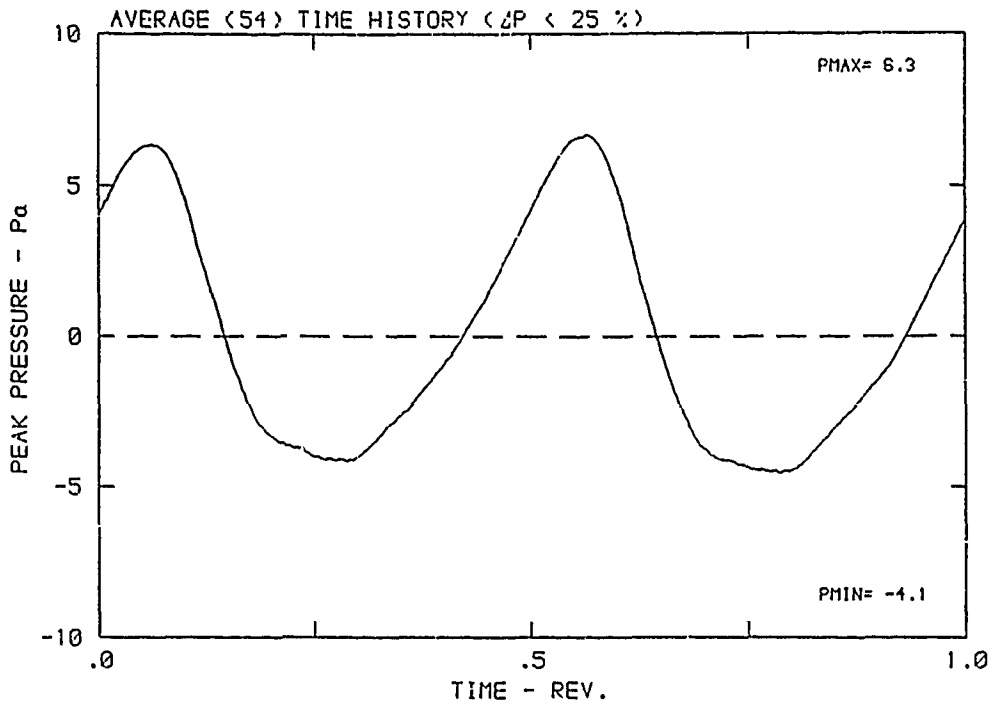
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 φ: .0° T: 287.1 K

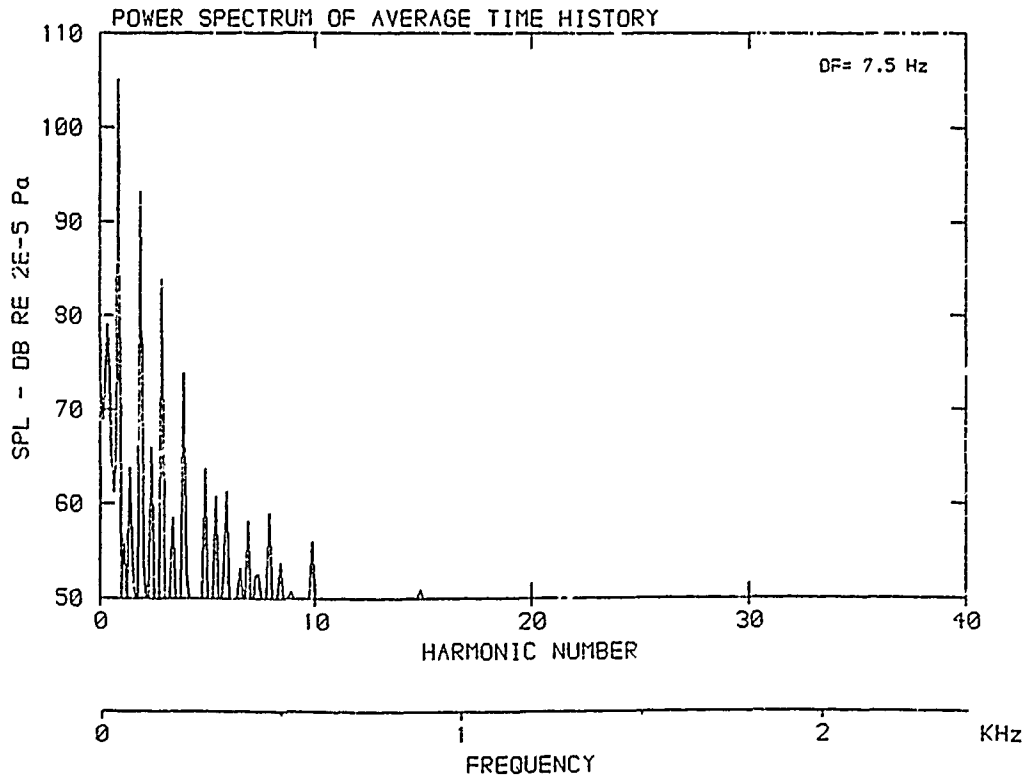




DATA POINT: BN-1 RUN: 58 MP: 7

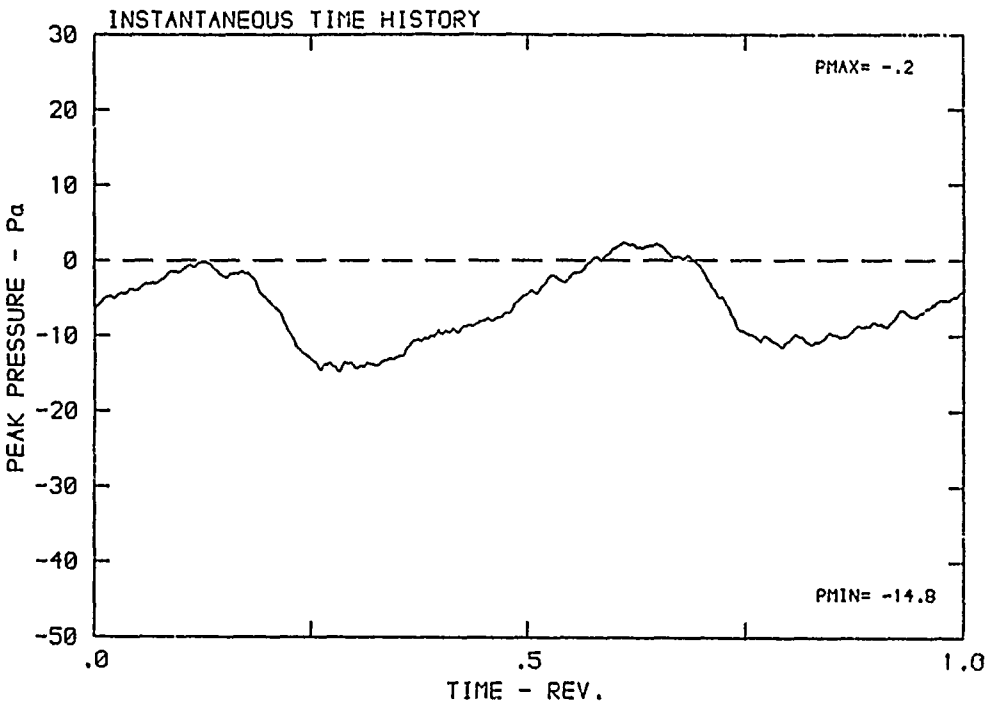
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

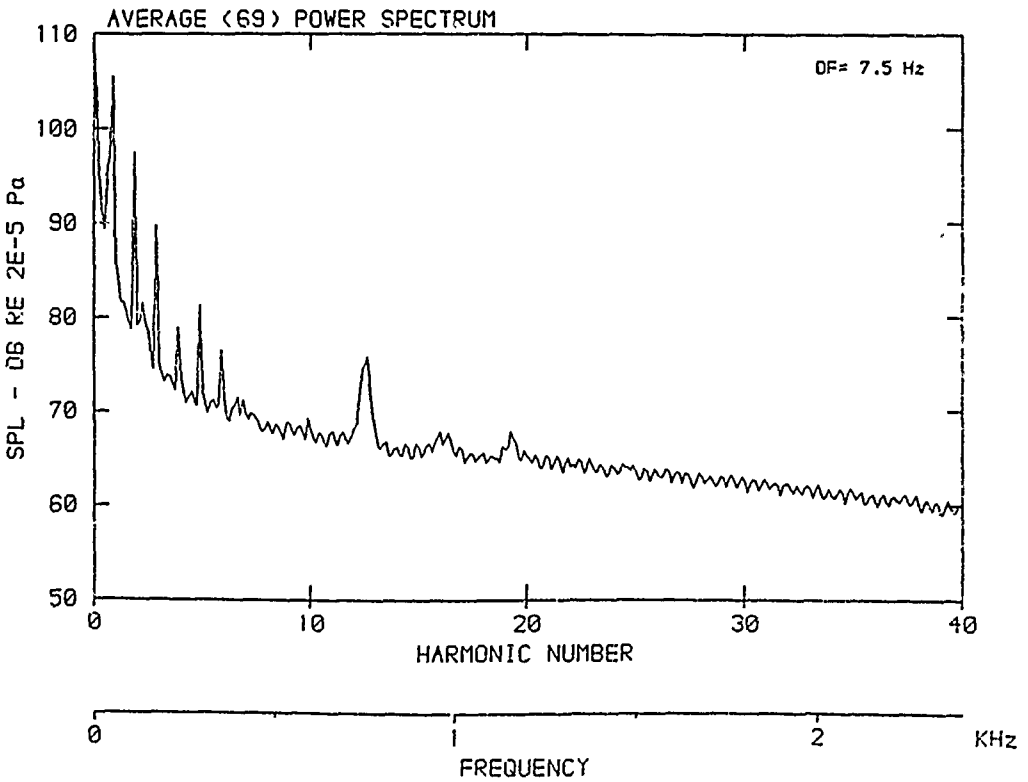




DATA POINT: BN-1	RUN: 58	MP: 9

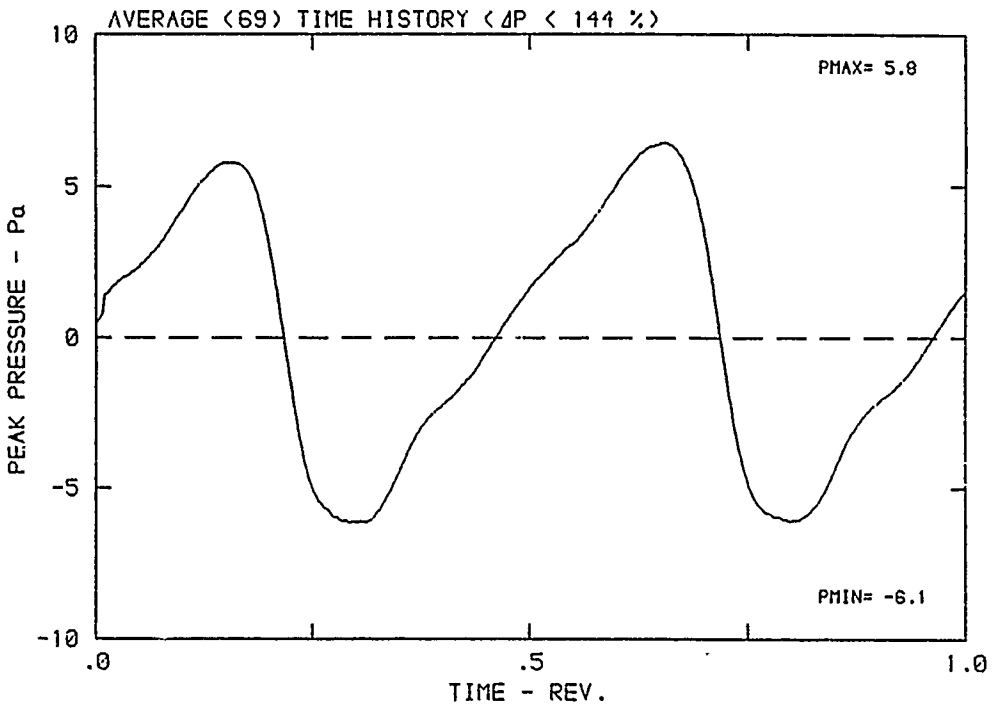
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 297.1 K

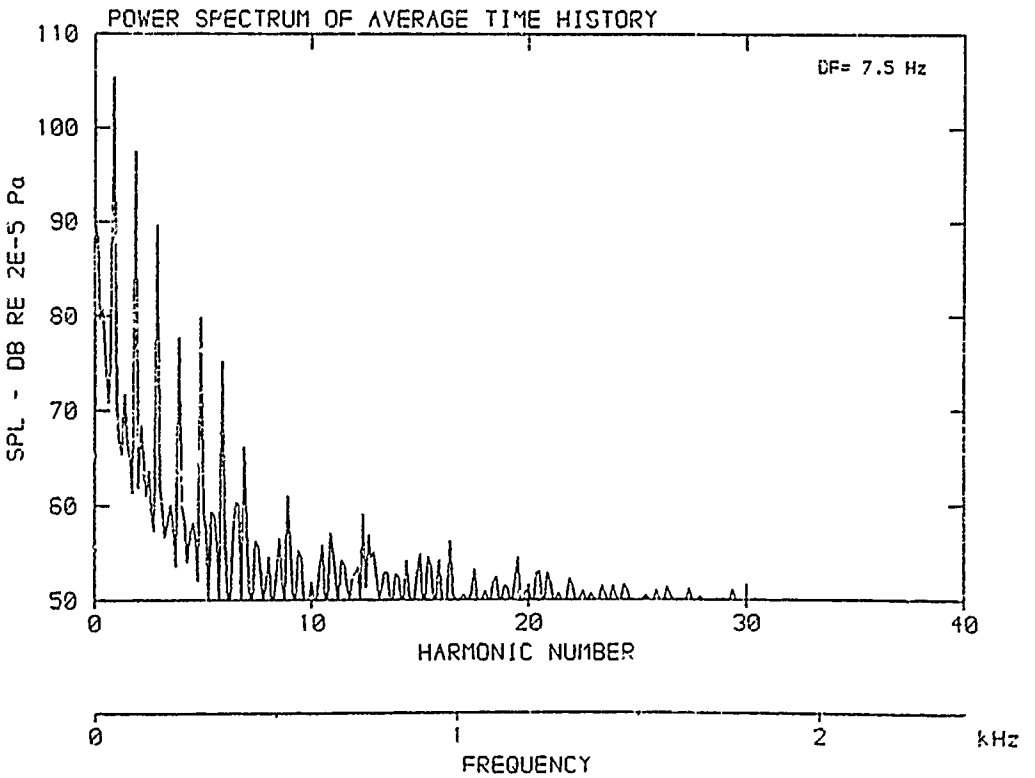




DATA POINT: BN-1	RUN: 58	MP: 9

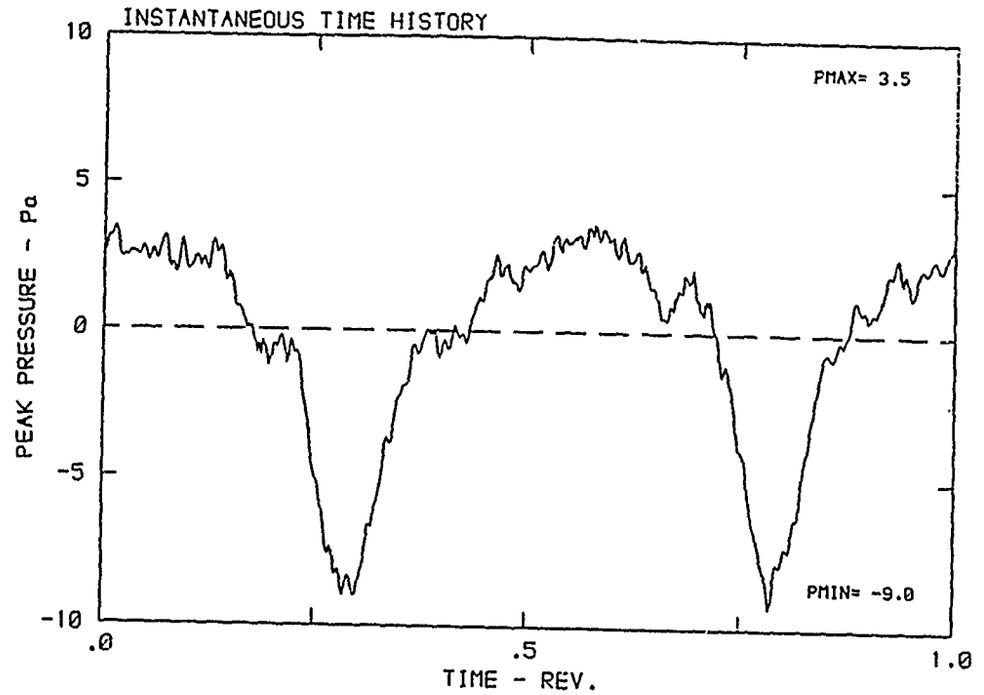
β: 19.9° MH: .5727 n: 1800 rpm v/u: .179 ϕ: .0° T: 287.1 K

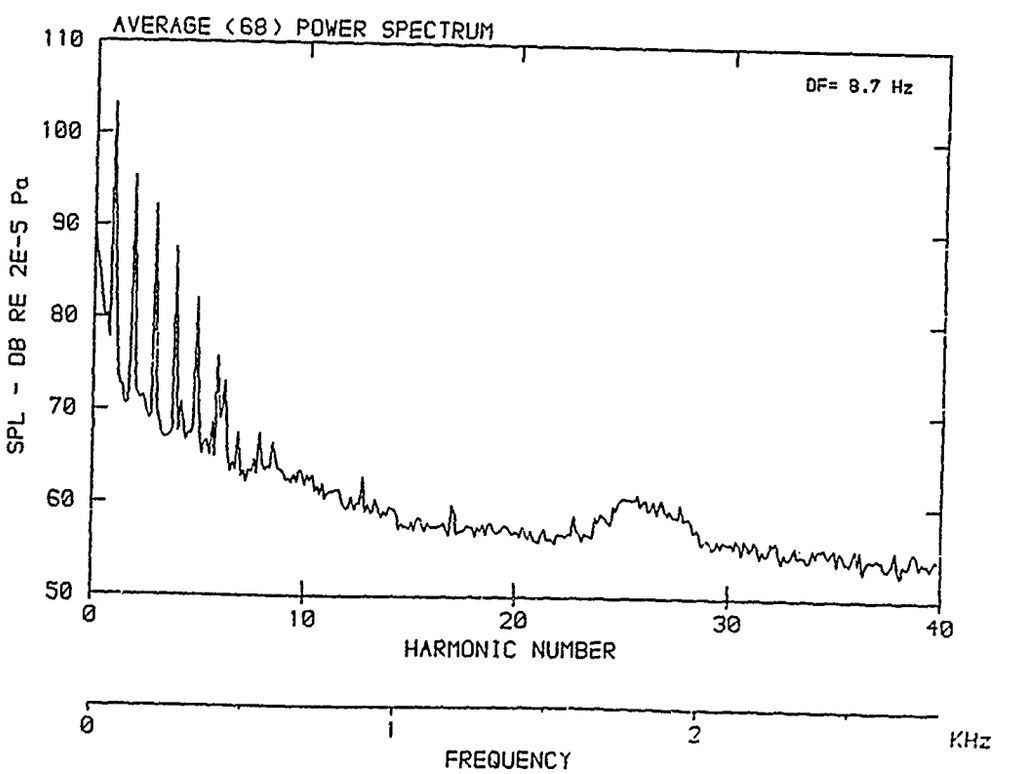




DATA POINT: BN-2 RUN: 57 MP: 1

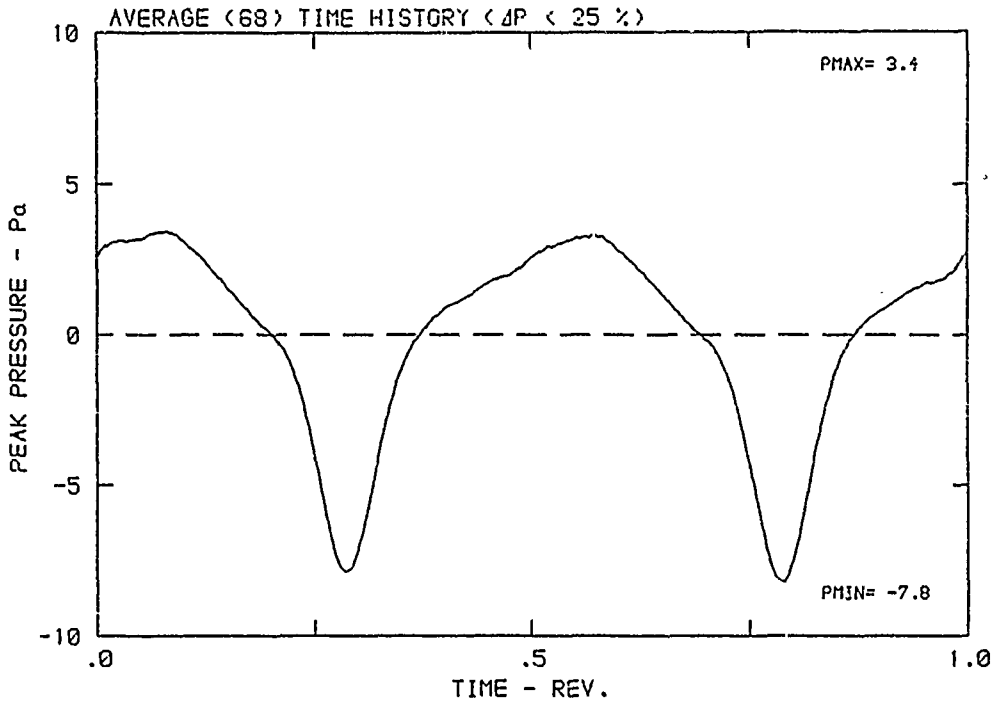
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

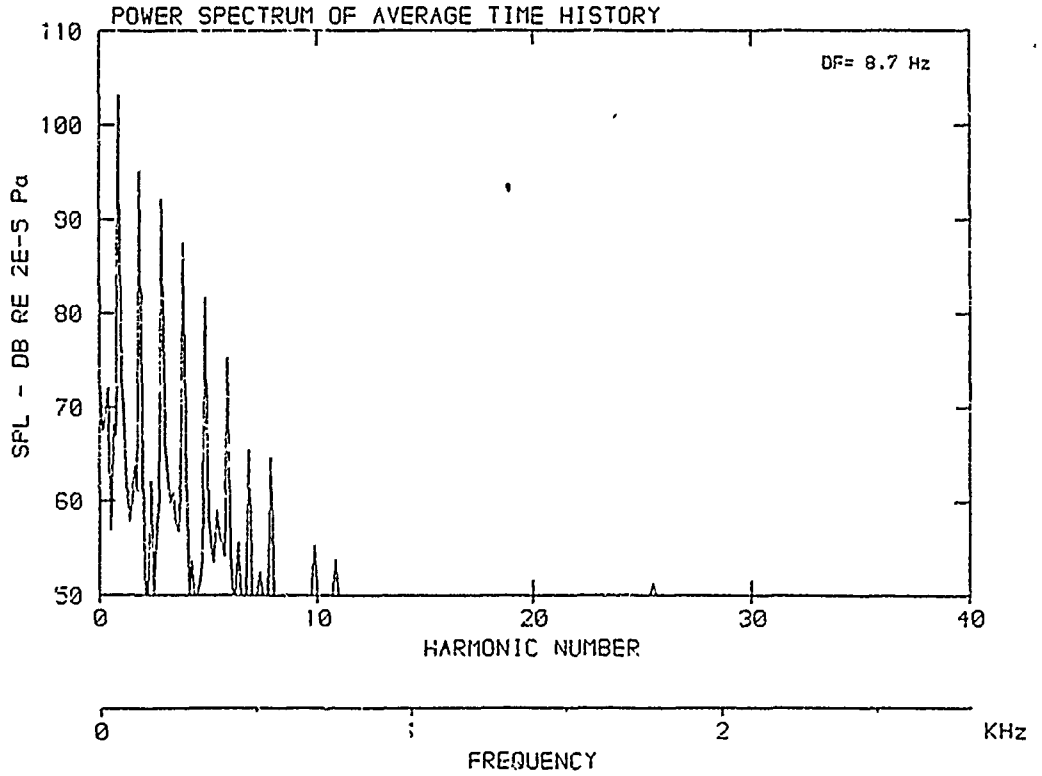




DATA POINT: BN-2 RUN: 57 MP: 1

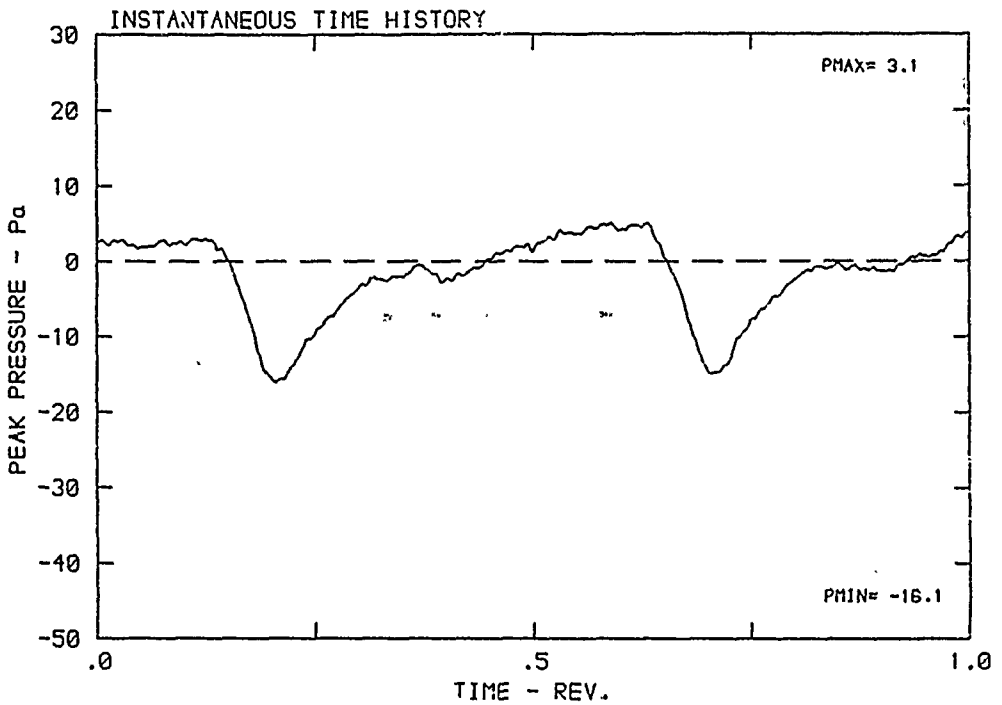
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

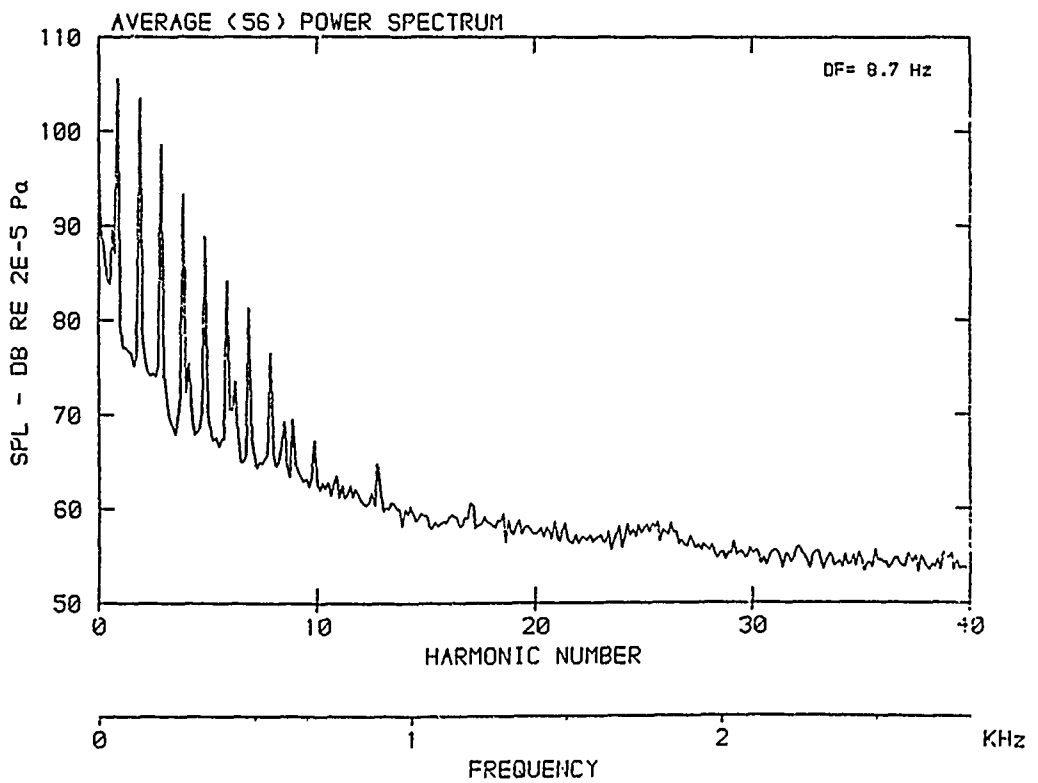




DATA POINT: BN-2 RUN: 57 MP: 2

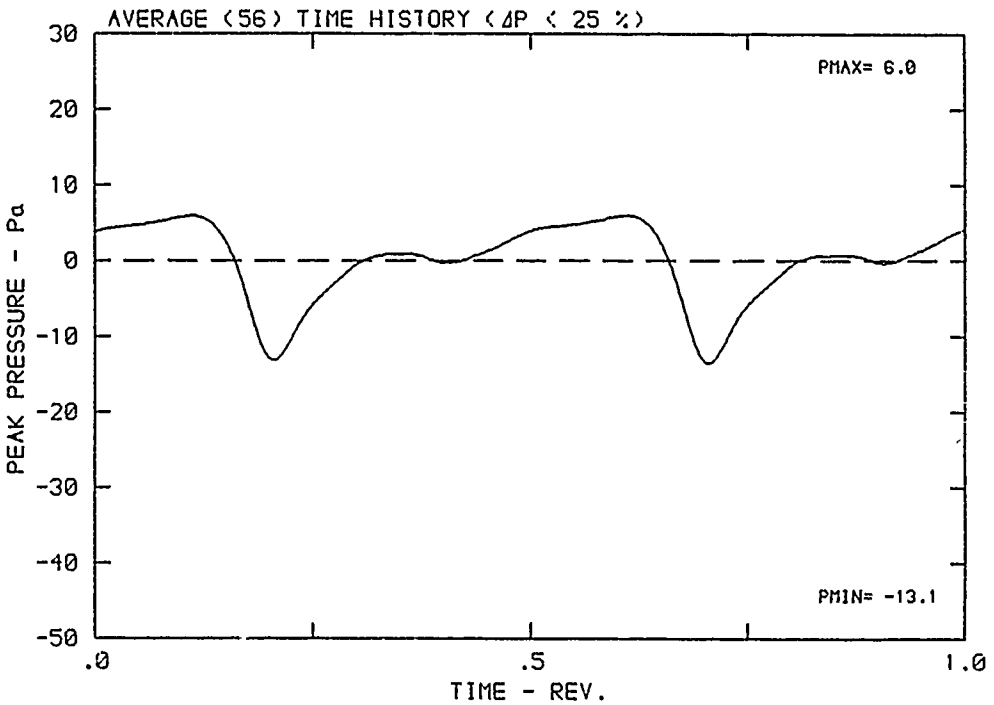
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

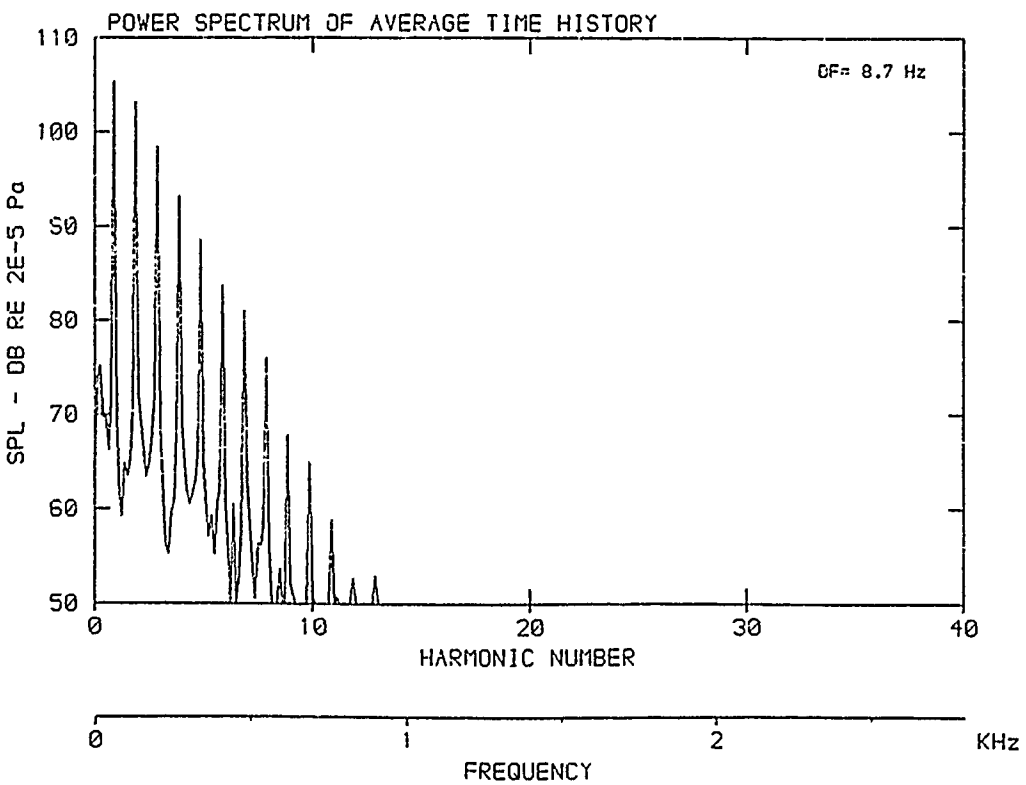




DATA POINT: BN-2 RUN: 57 MP: 2

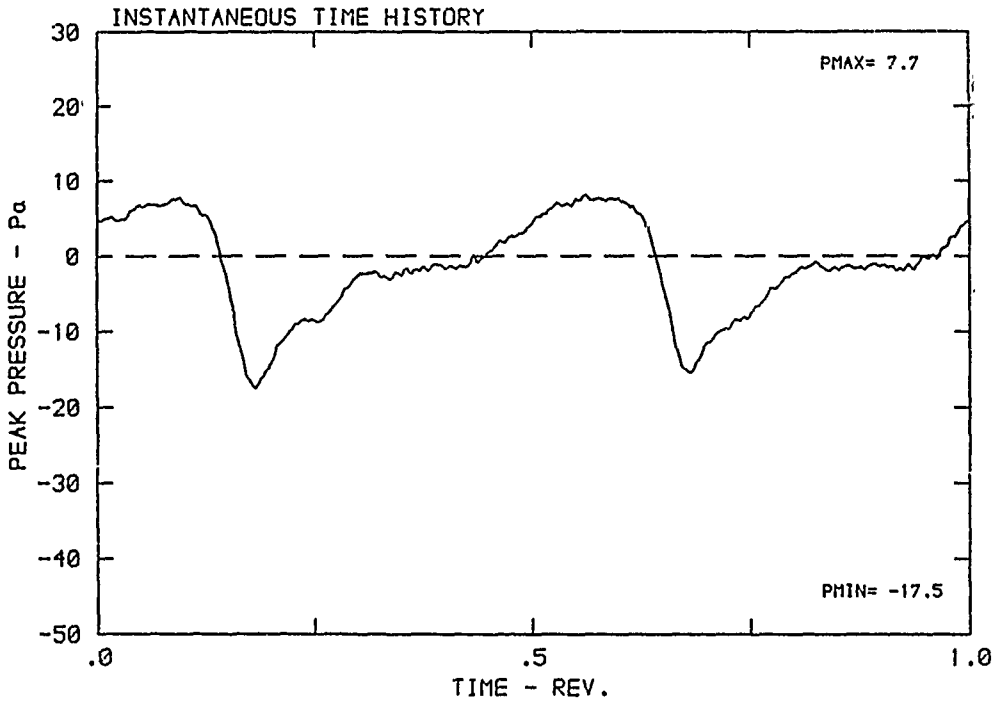
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

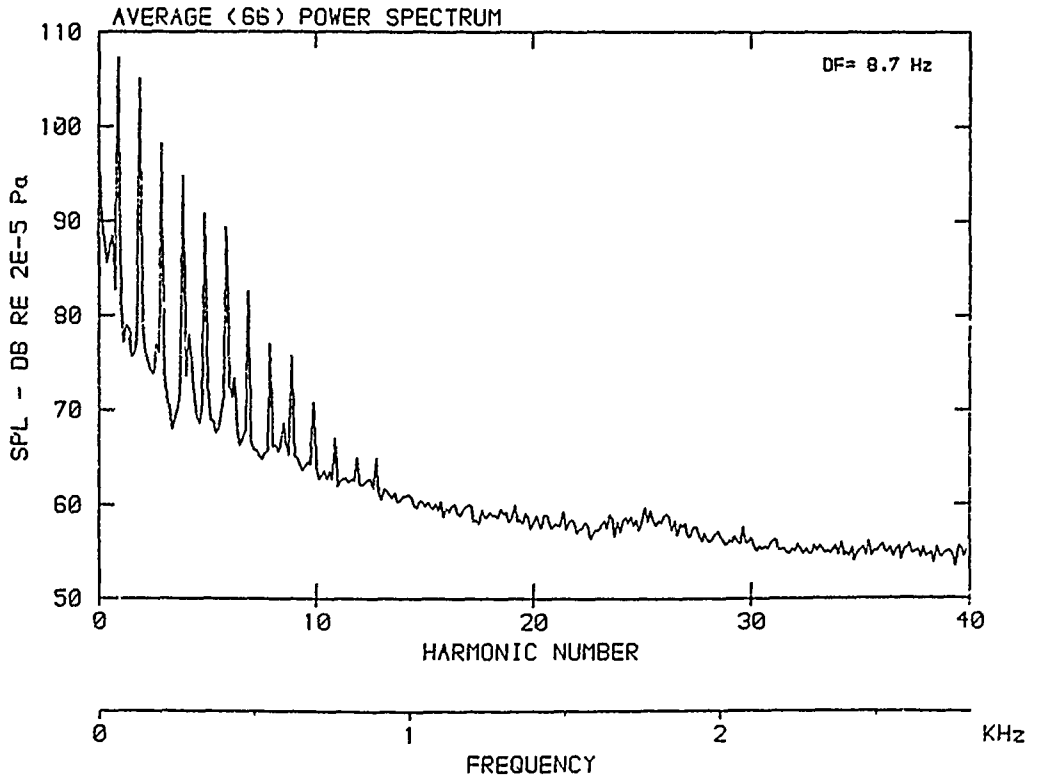




DATA POINT: BN-2 RUN: 57 MP: 3

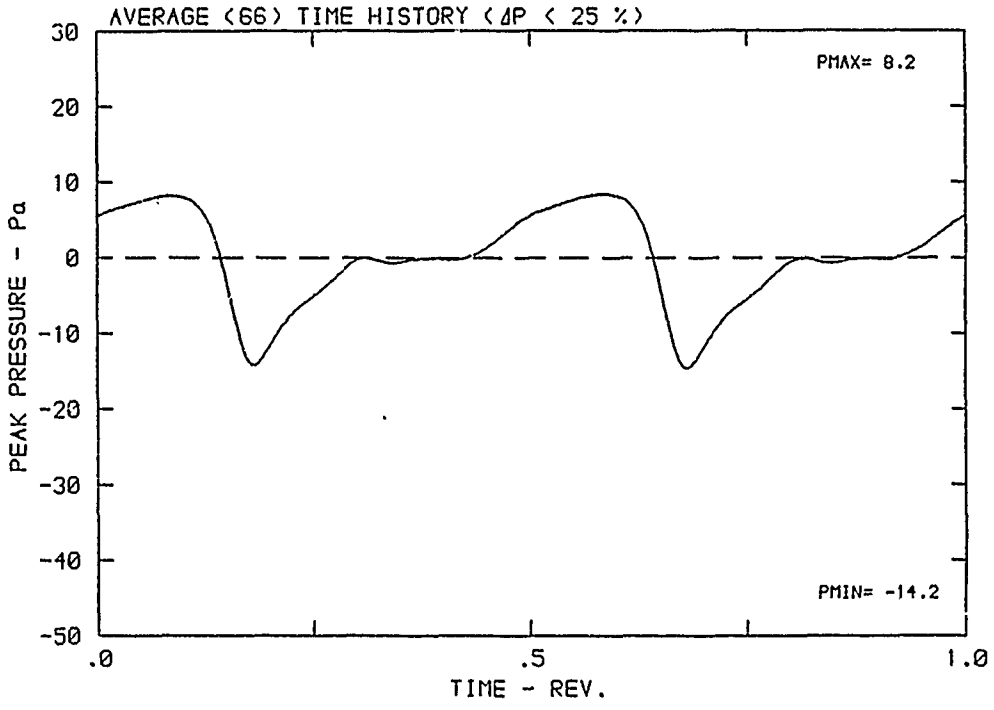
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

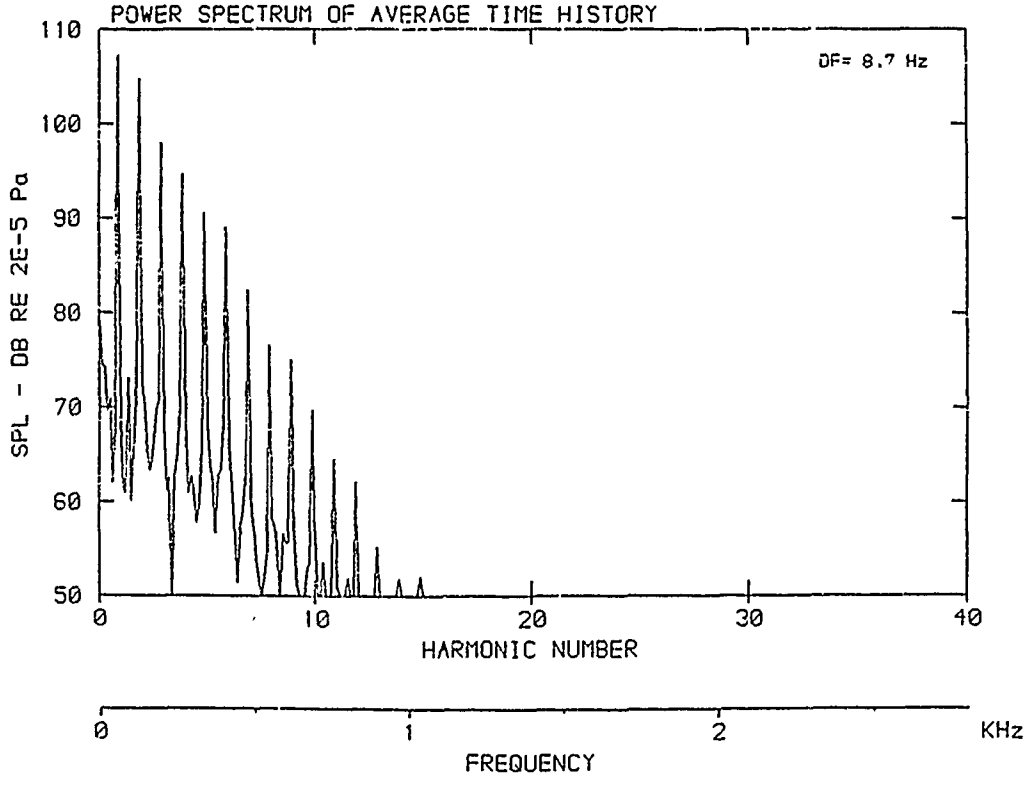




DATA POINT: BN-2 RUN: 57 MP: 3

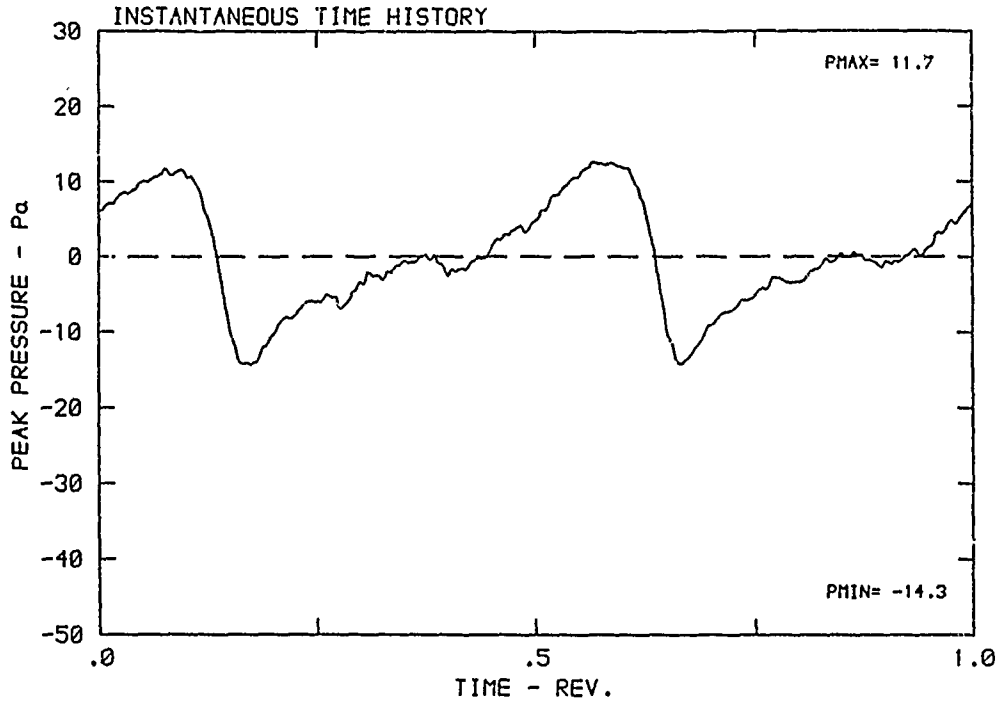
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

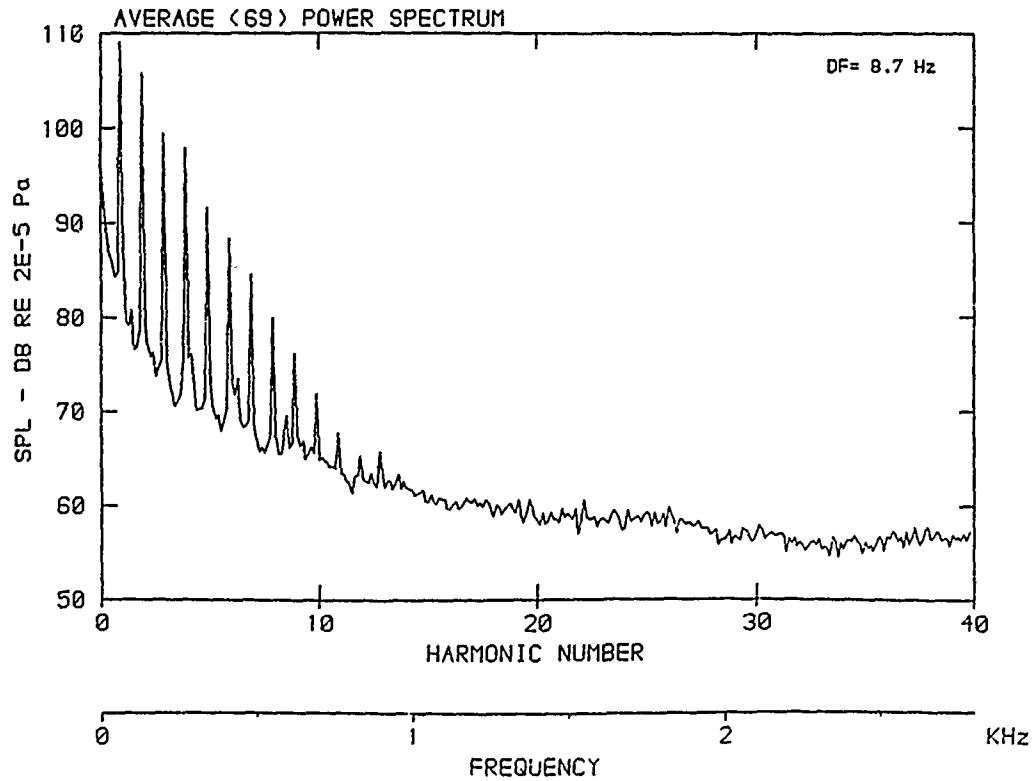




DATA POINT: BN-2 RUN: 57 MP: 4

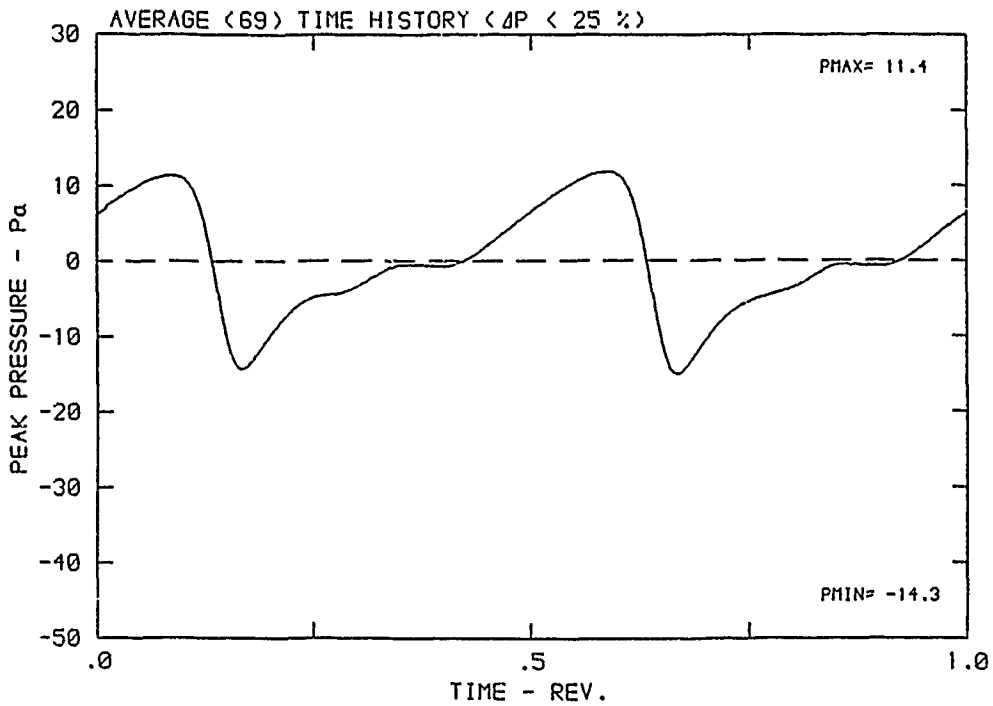
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

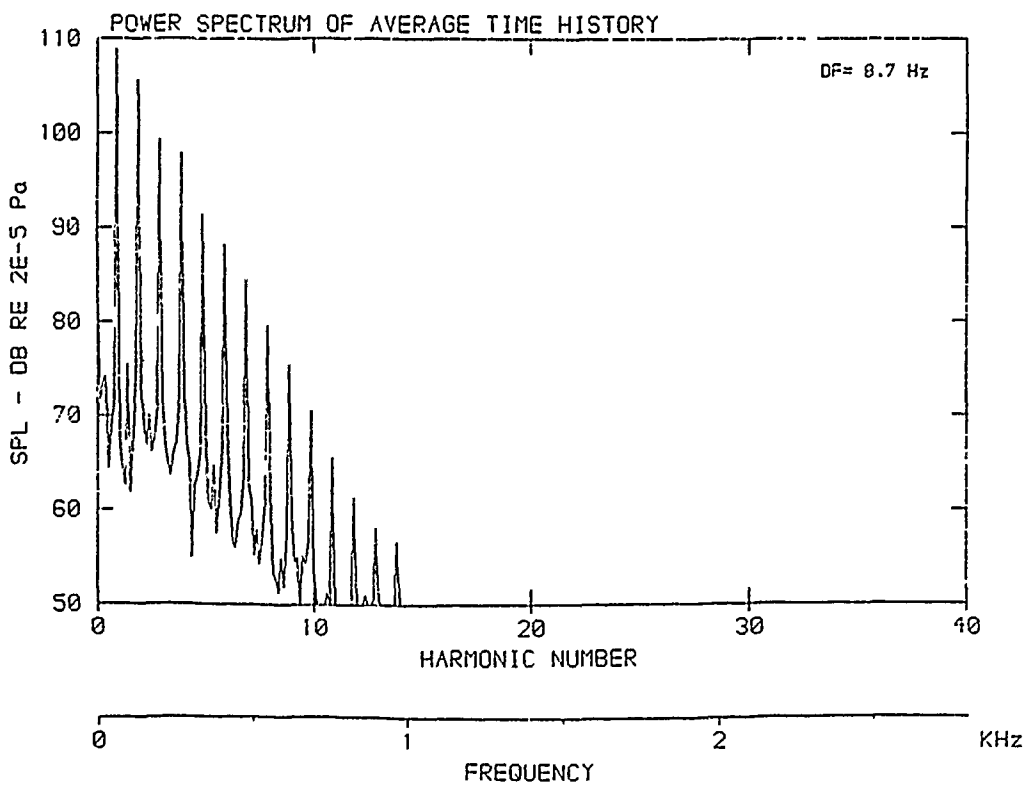




DATA POINT: BN-2 RUN: 57 MP: 4

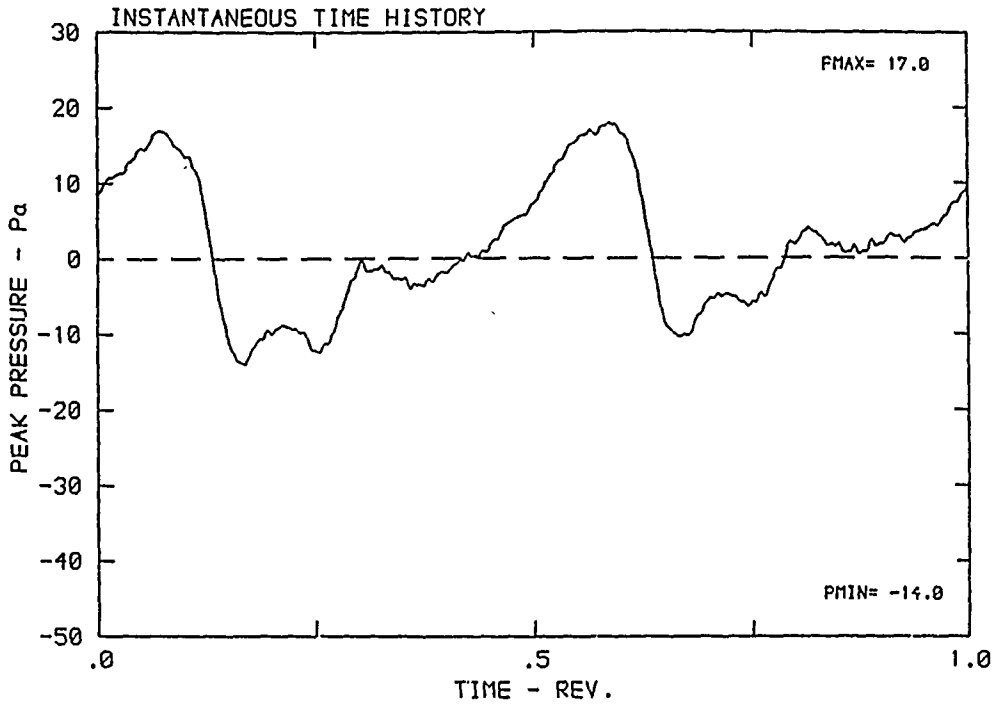
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

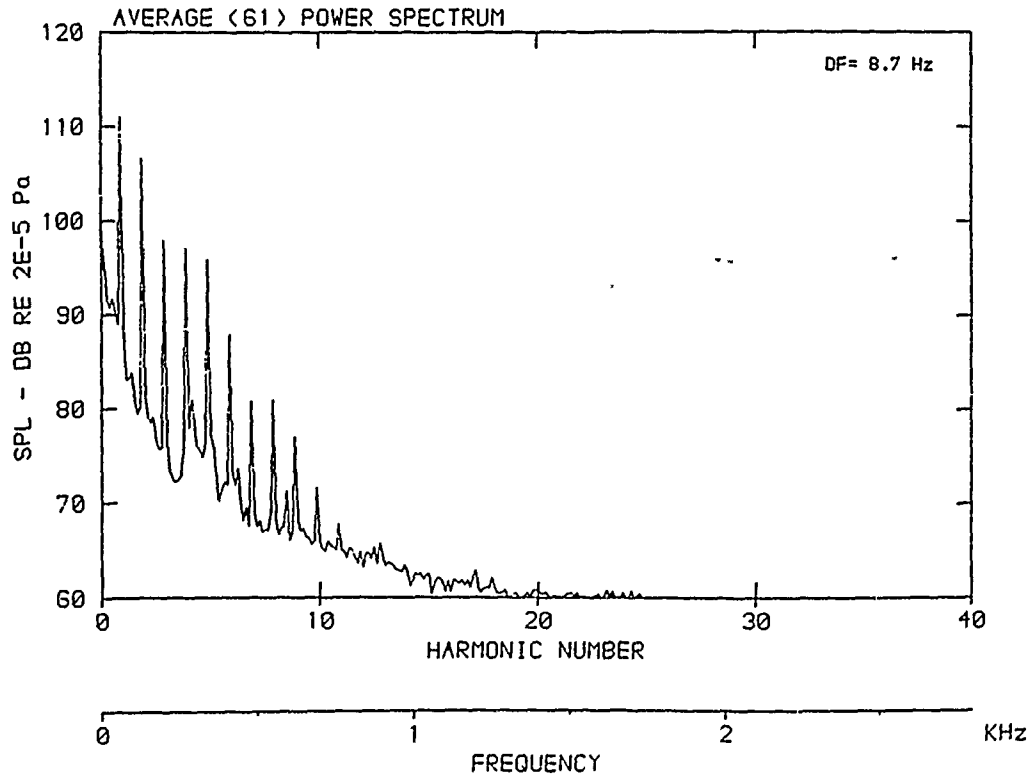




DATA POINT: BN-2 RUN: 57 MP: 5

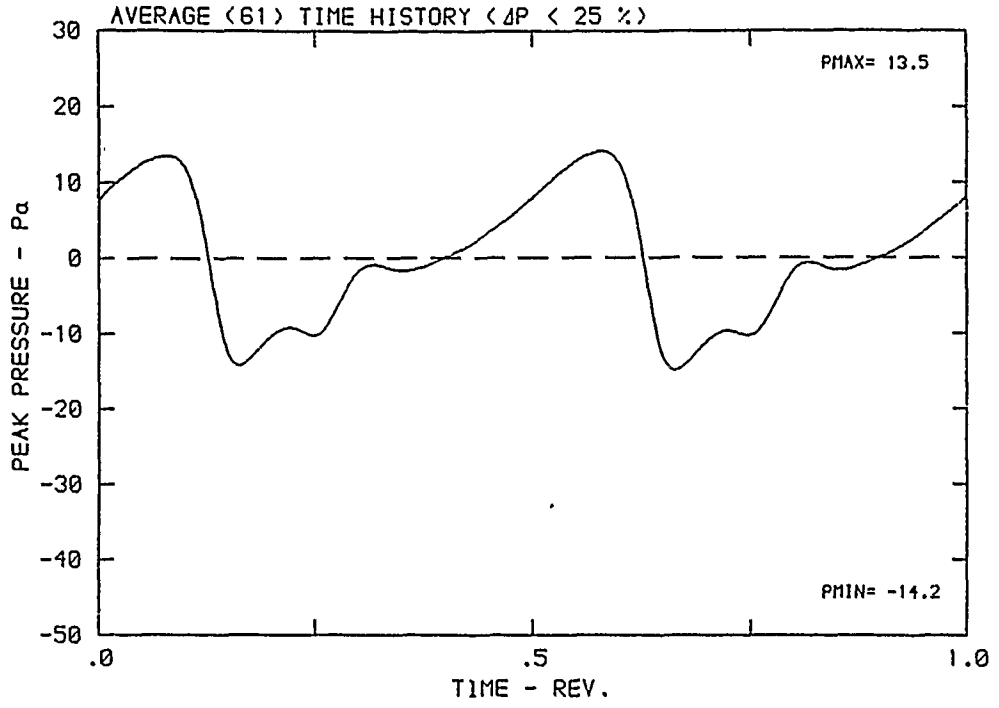
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

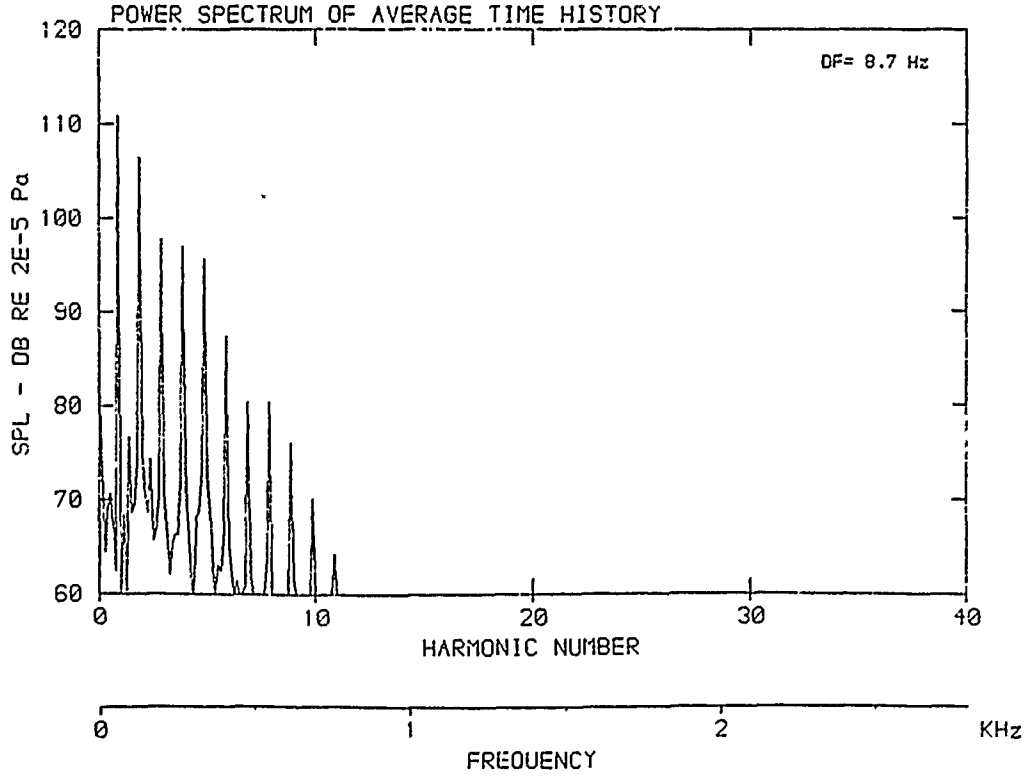




DATA POINT: BN-2 RUN: 57 MP: 5

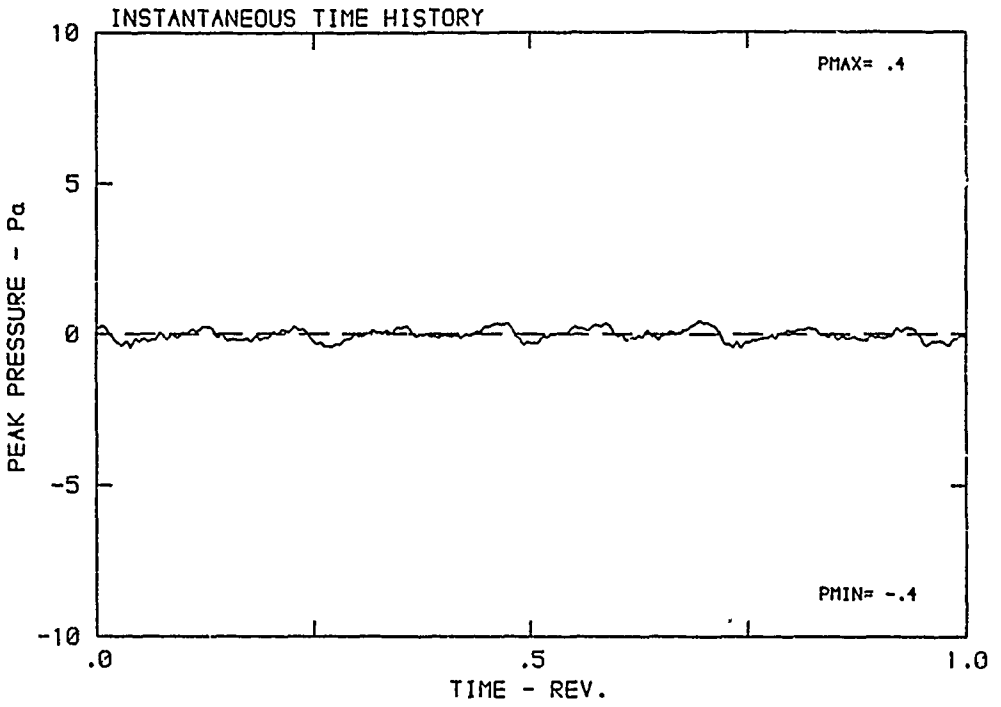
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

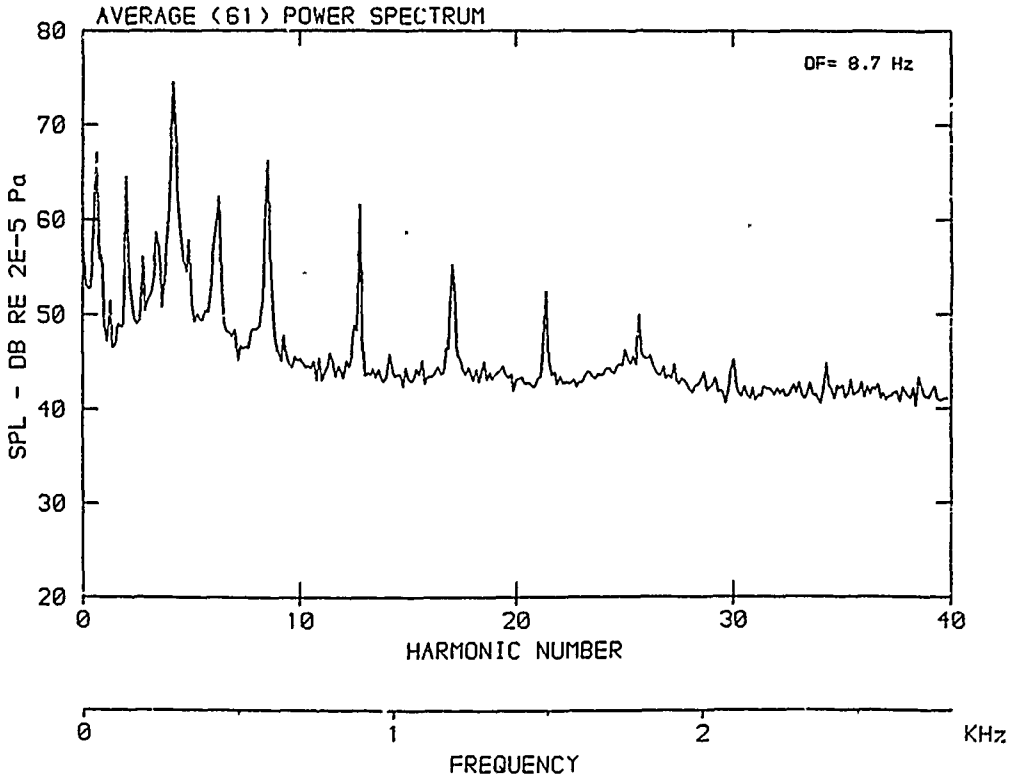




DATA POINT: BN-2	RUN: 57	MP: 6

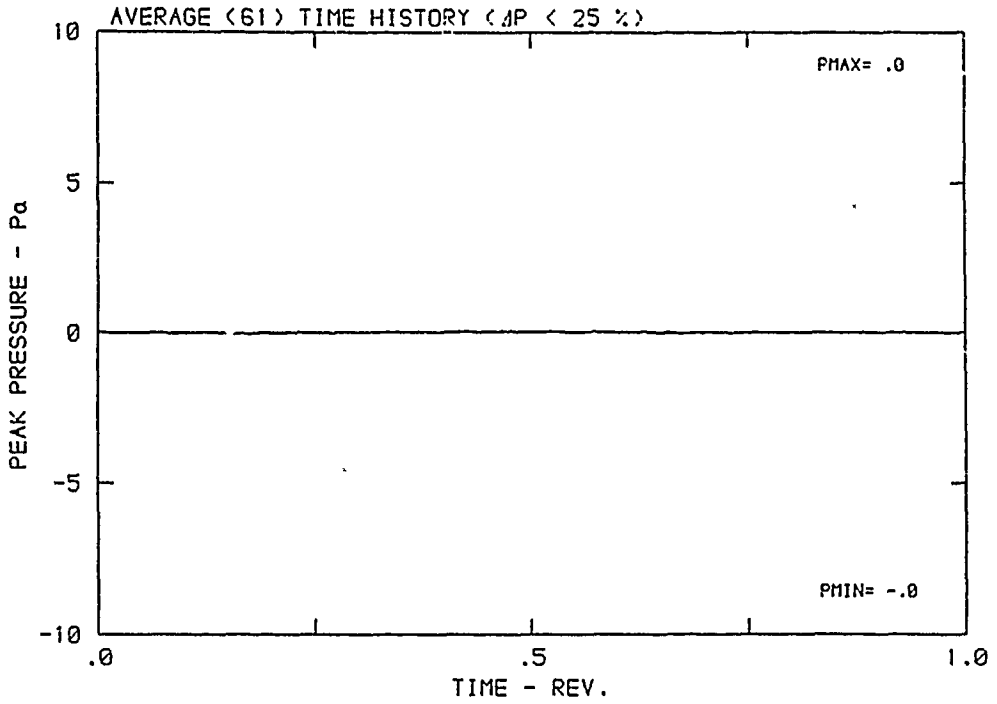
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

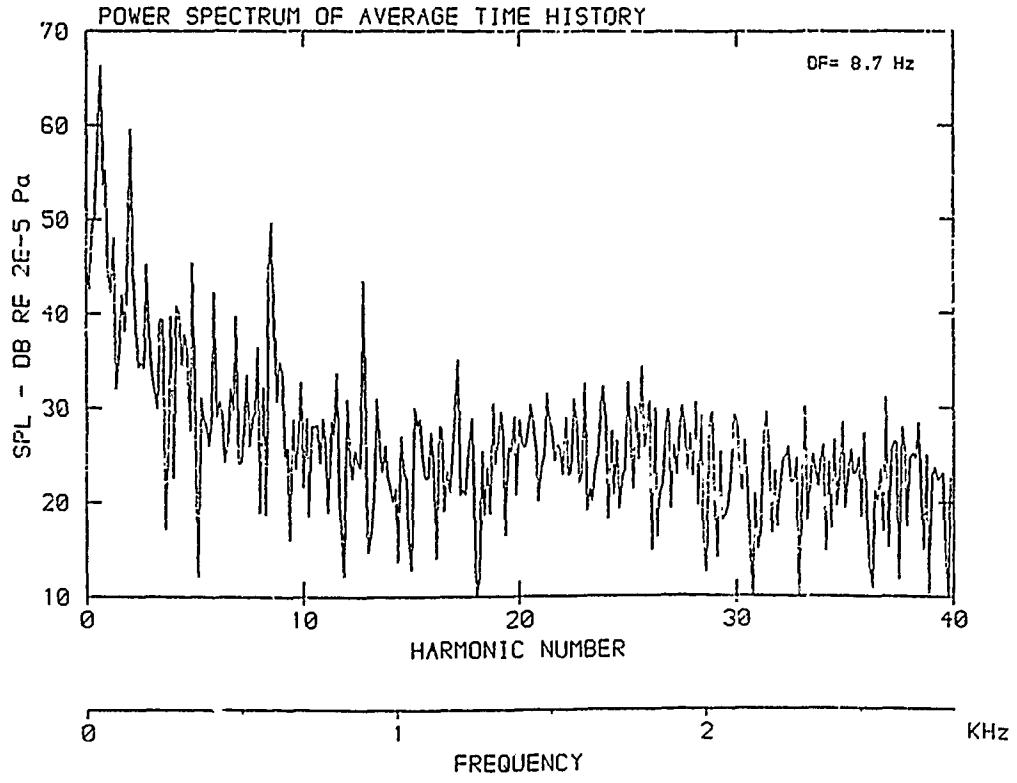




DATA POINT: BN-2	RUN: 57	MP: 6

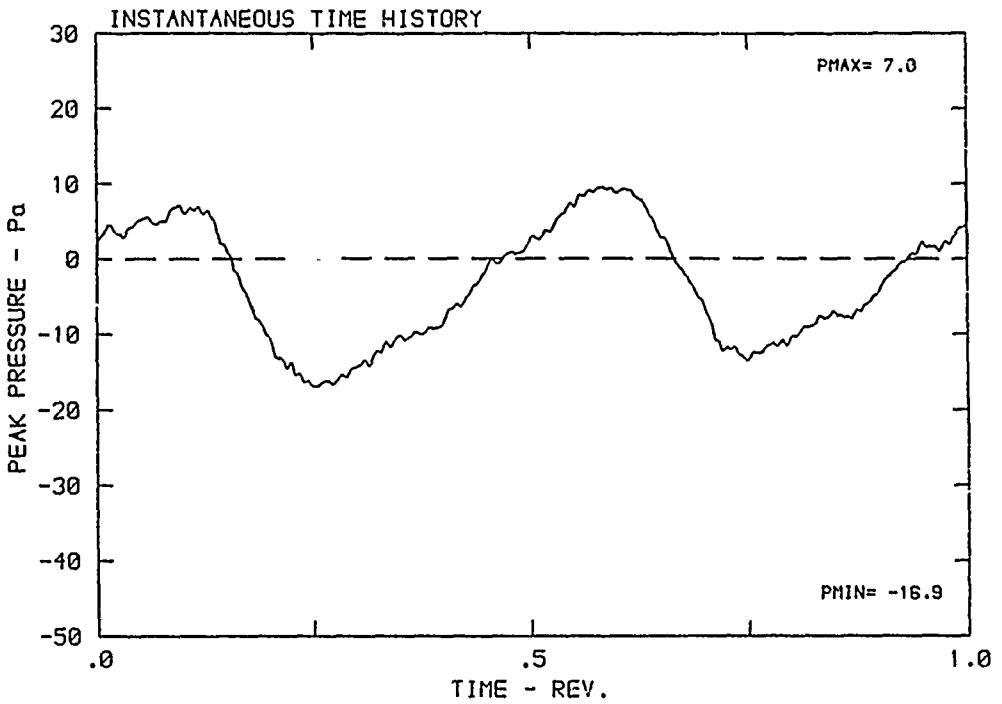
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

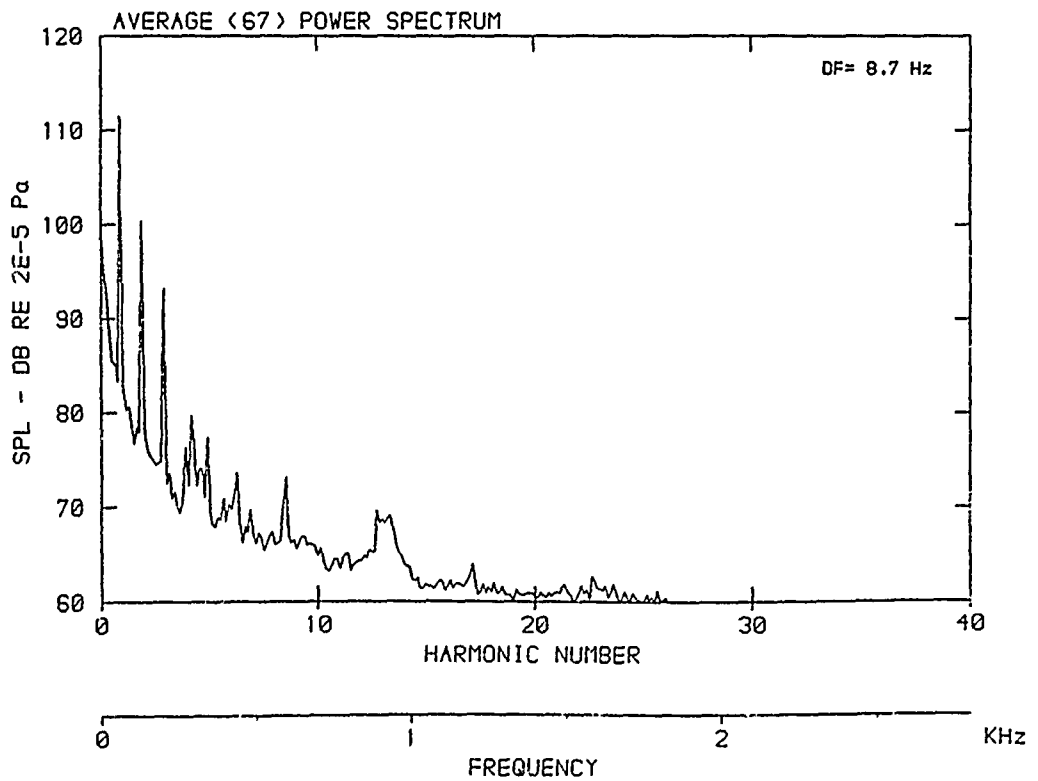




DATA POINT: BN-2 RUN: 57 MP: 7

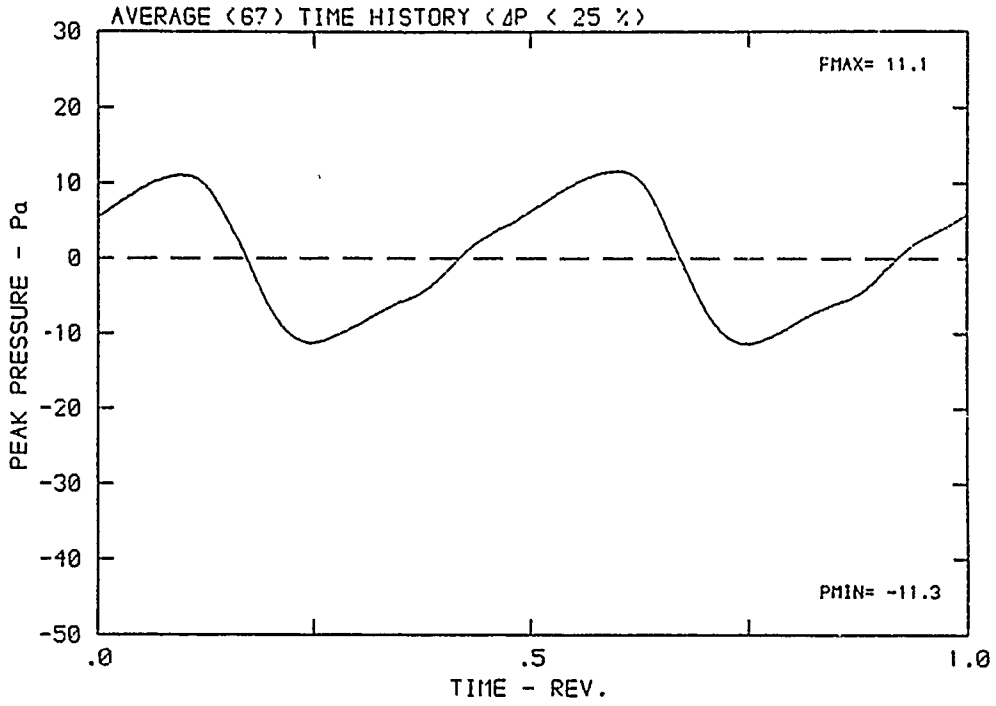
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

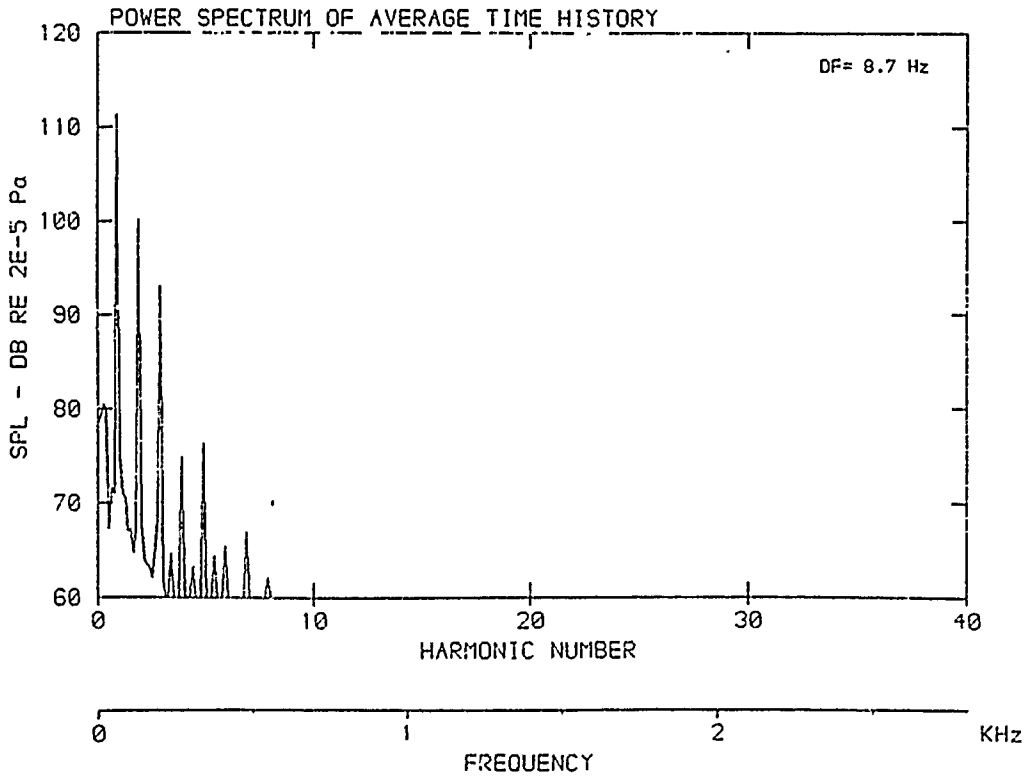




DATA POINT: BN-2 RUN: 57 MP: 7

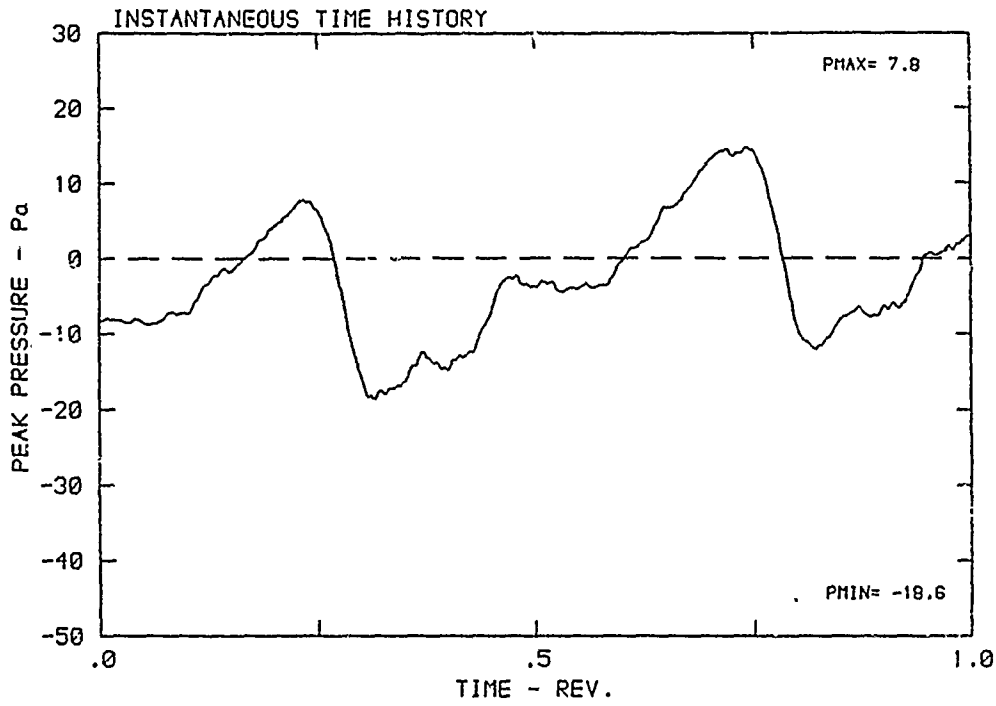
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

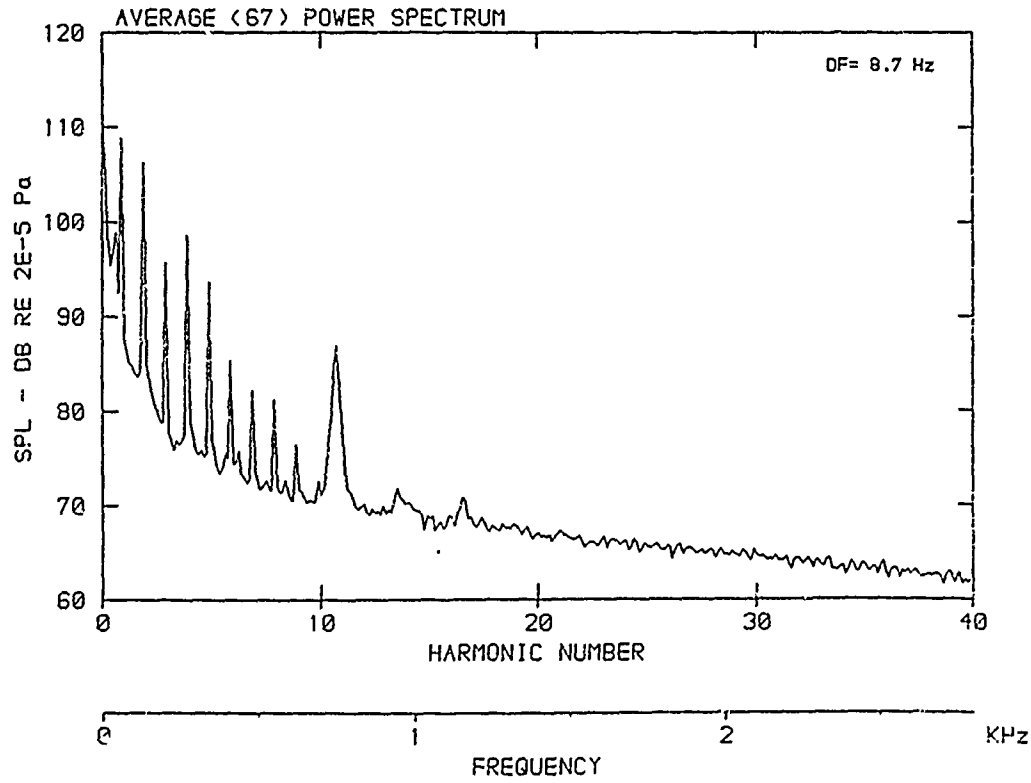




DATA POINT: BN-2 RUN: 57 MP: 9

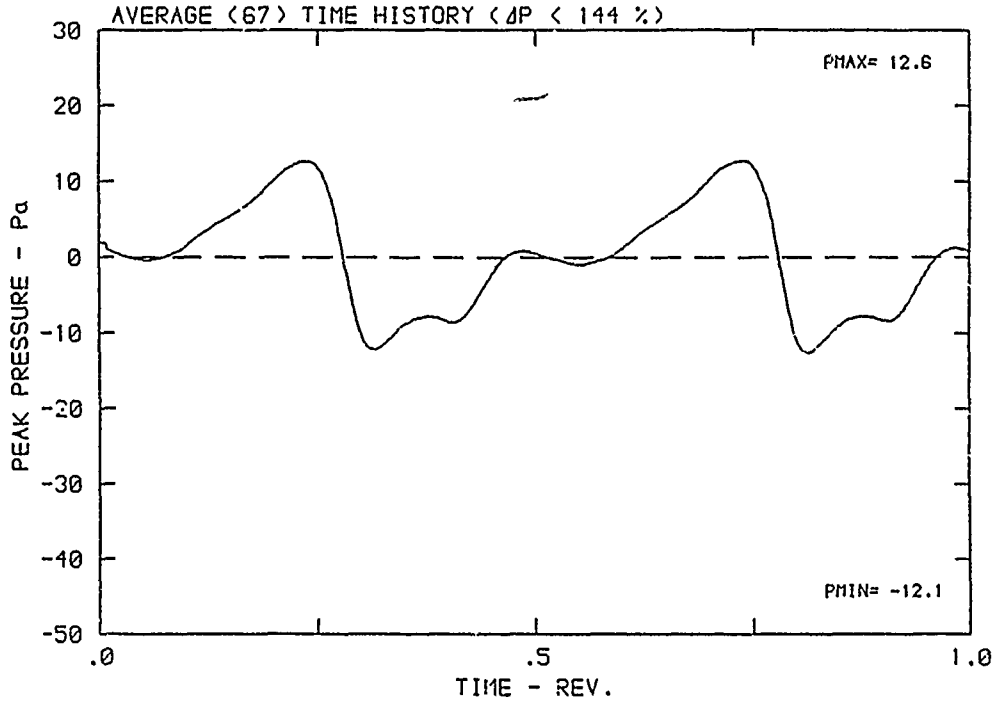
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

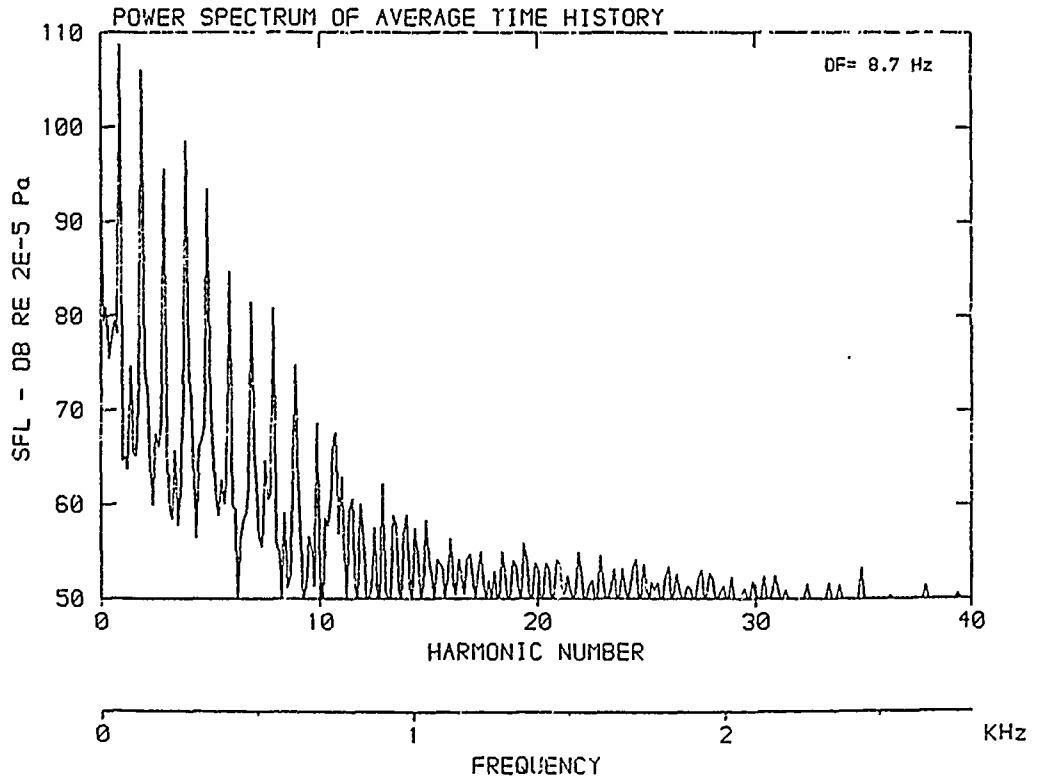




DATA POINT: BN-2	RUN: 57	MP: 9

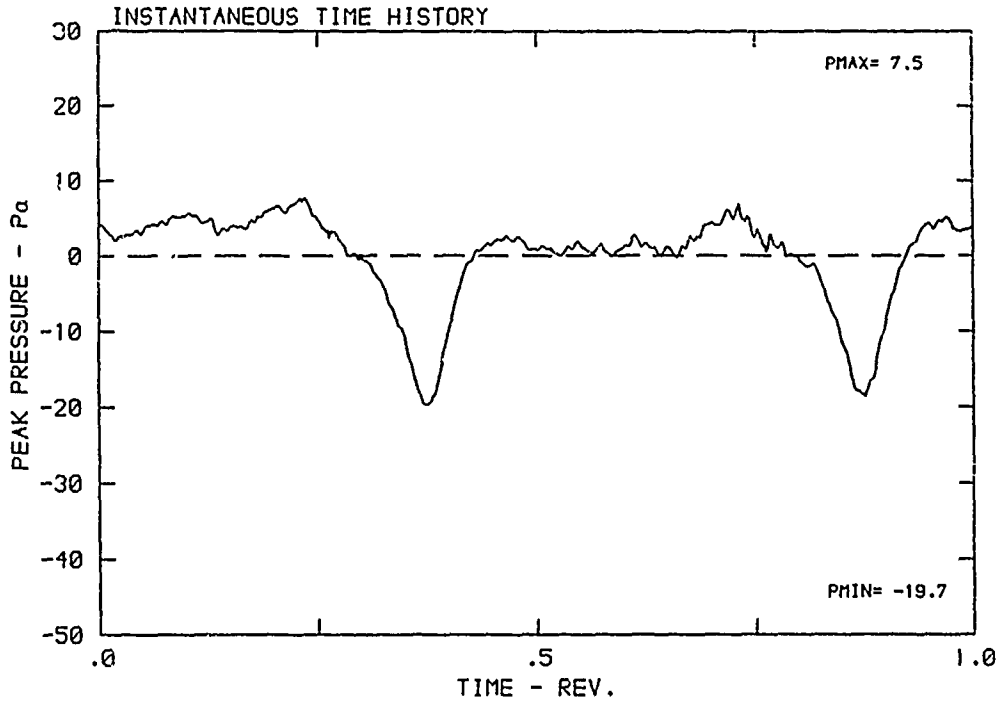
β: 19.9° MH: .6682 n: 2100 rpm v/u: .180 ϕ: .0° T: 287.2 K

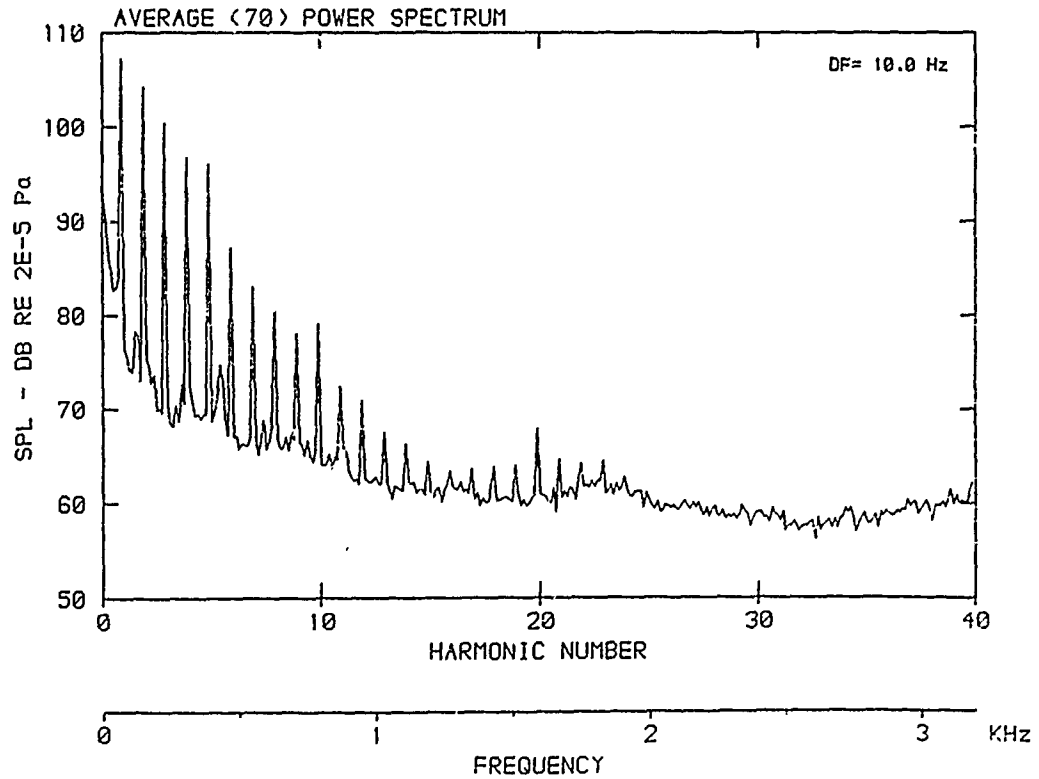




DATA POINT: BN-3 RUN: 56 MP: 1

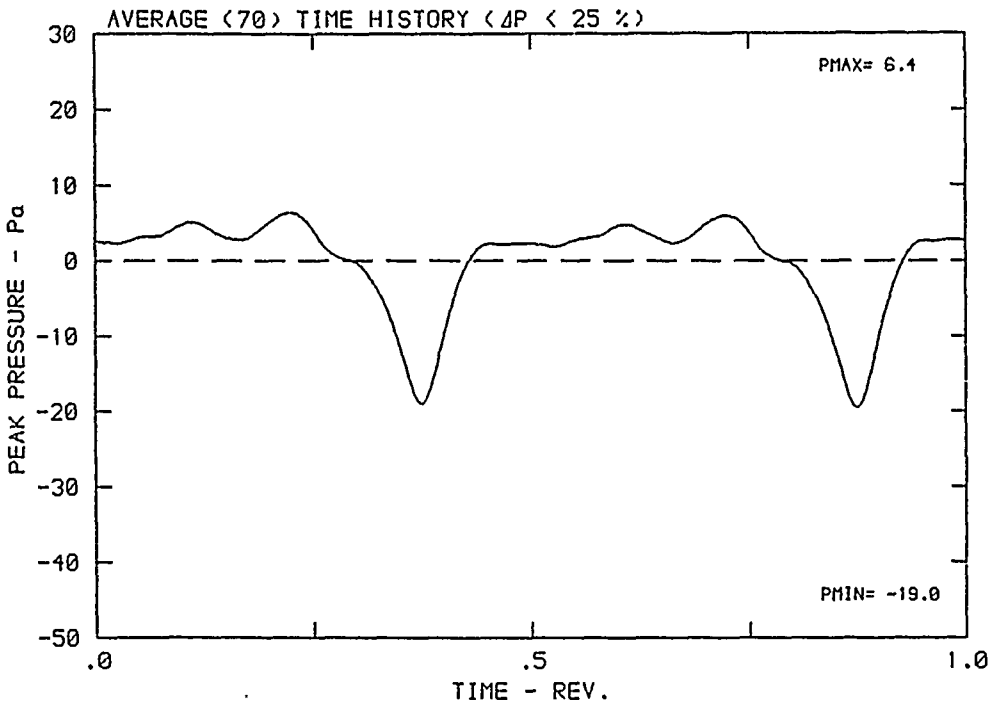
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

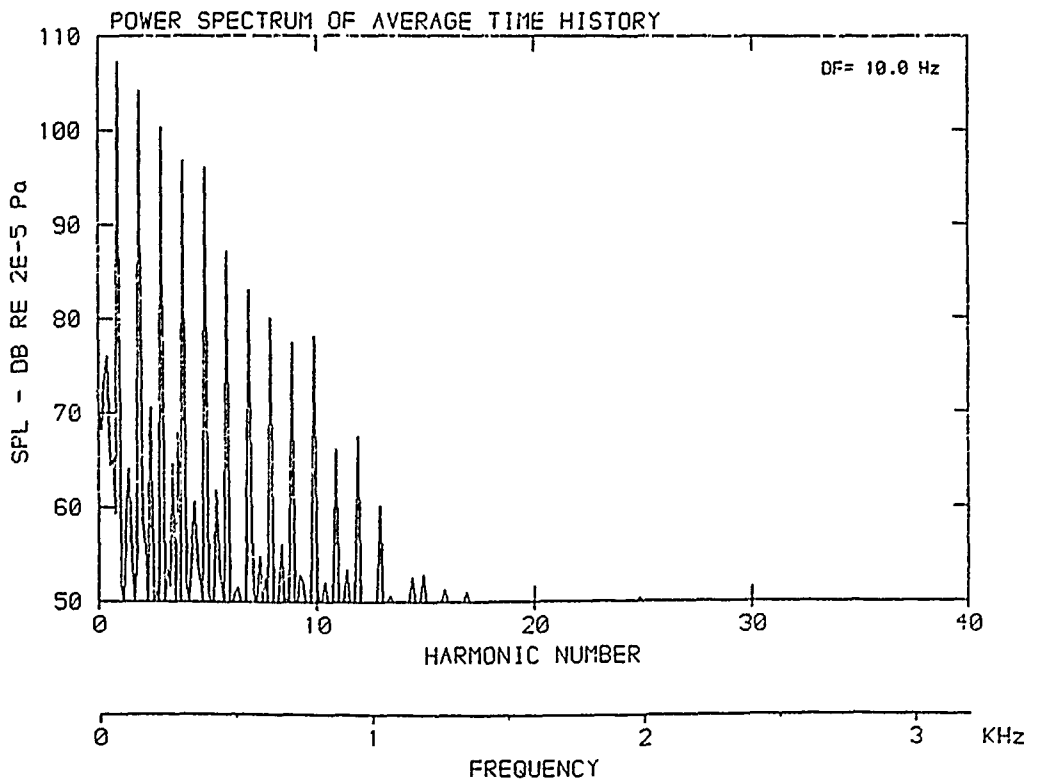




DATA POINT: BN-3 RUN: 56 MP: 1

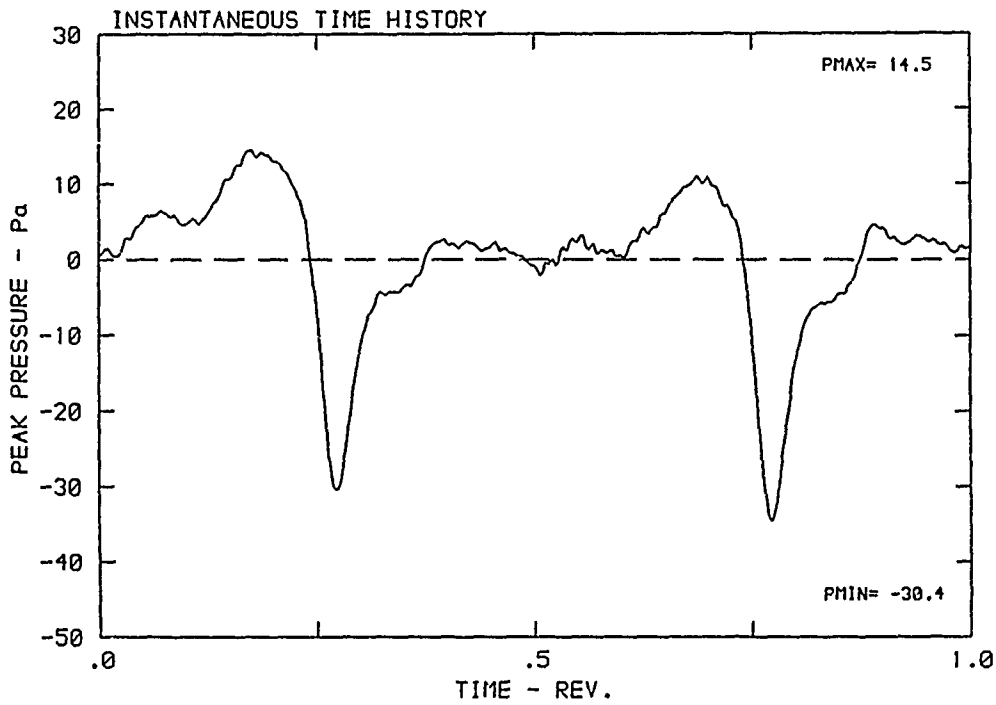
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

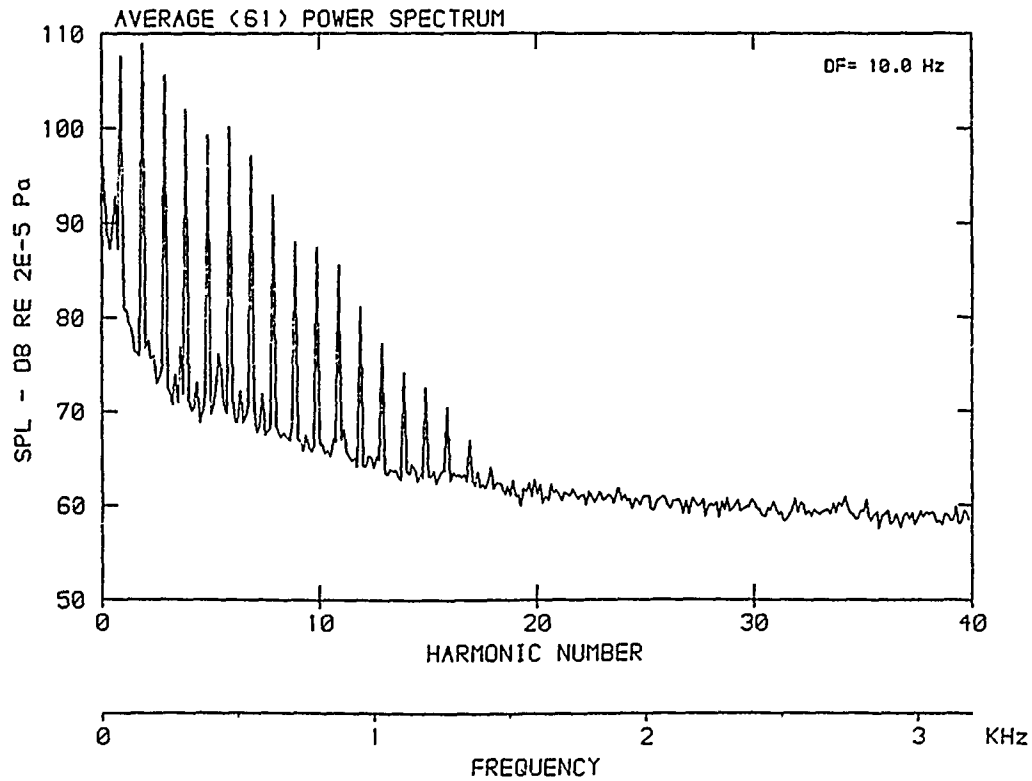




DATA POINT: BN-3 RUN: 56 MP: 2

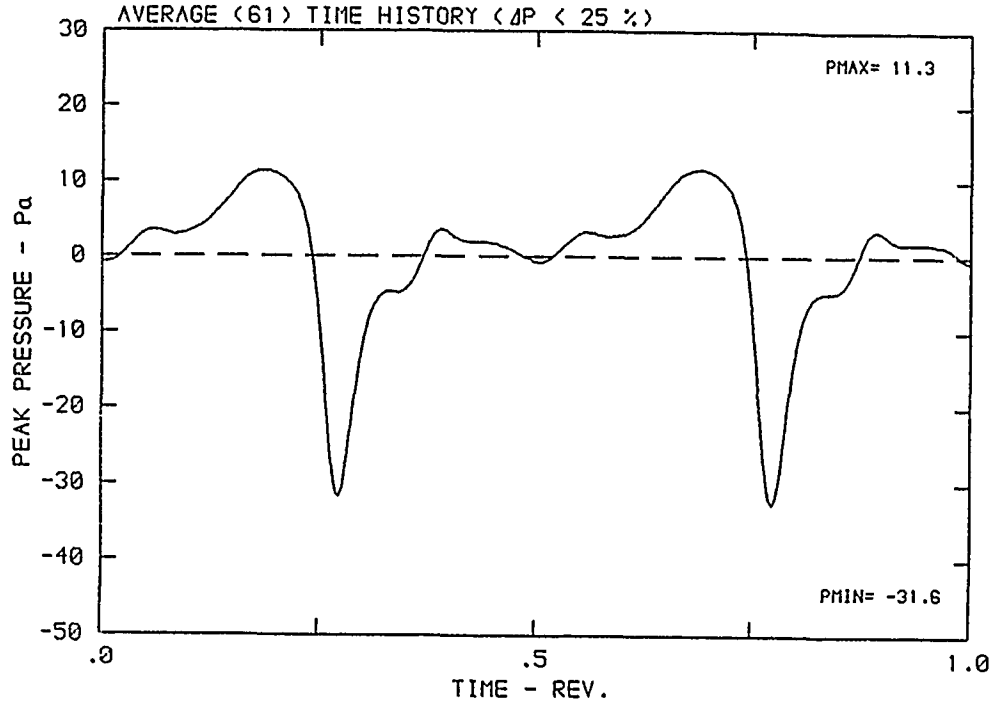
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

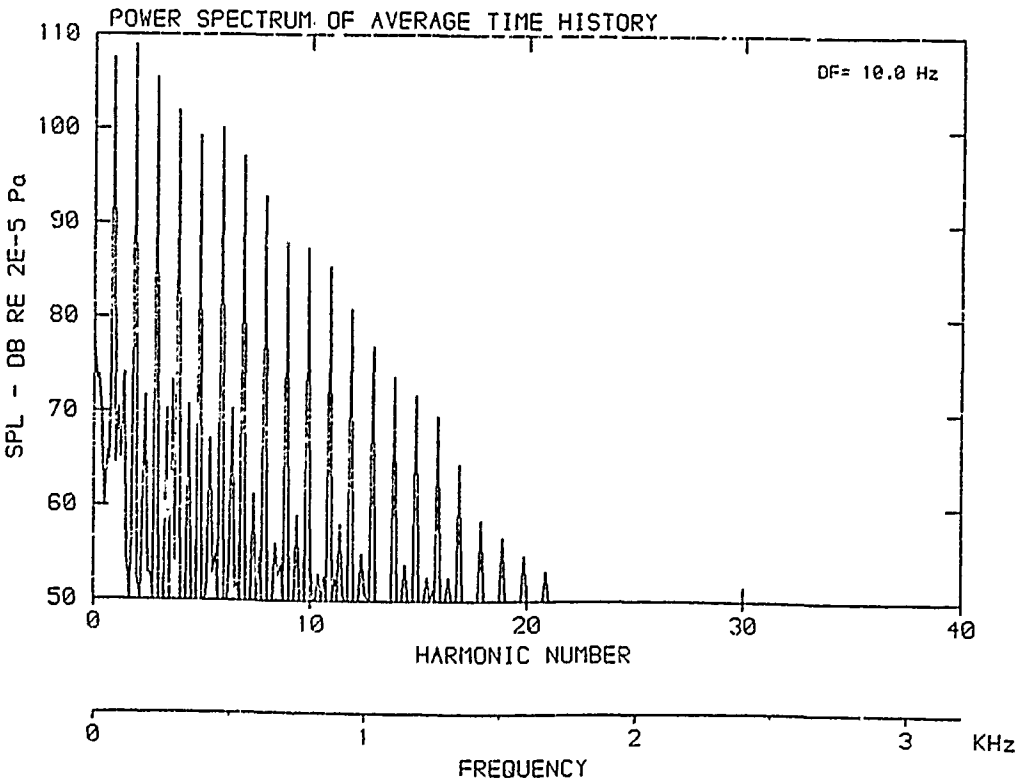




DATA POINT: BN-3 RUN: 56 MP: 2

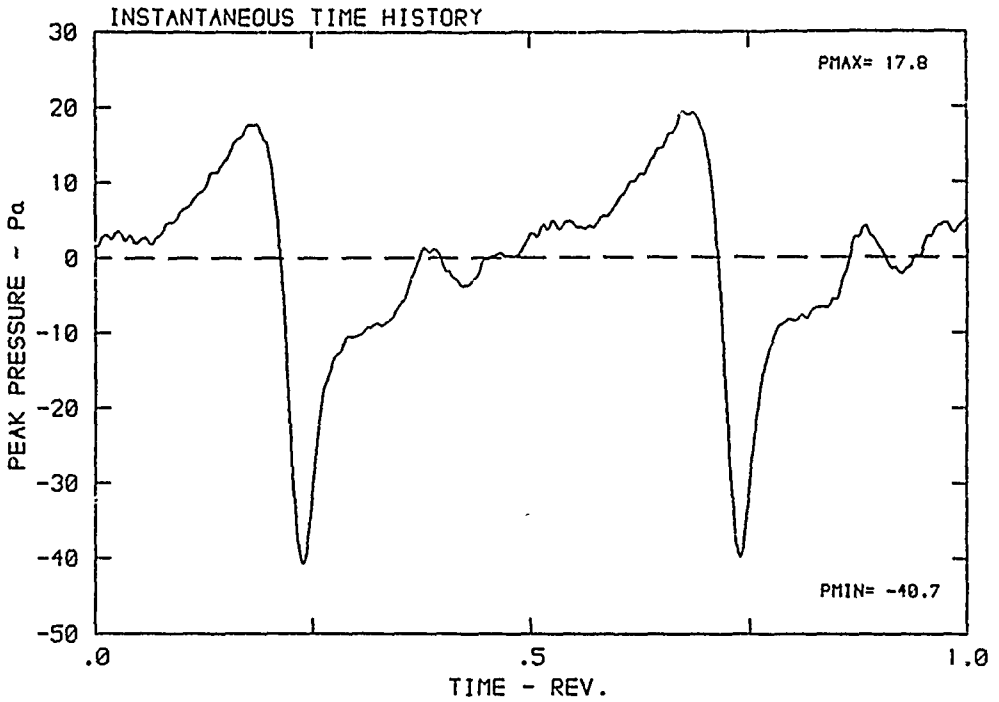
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

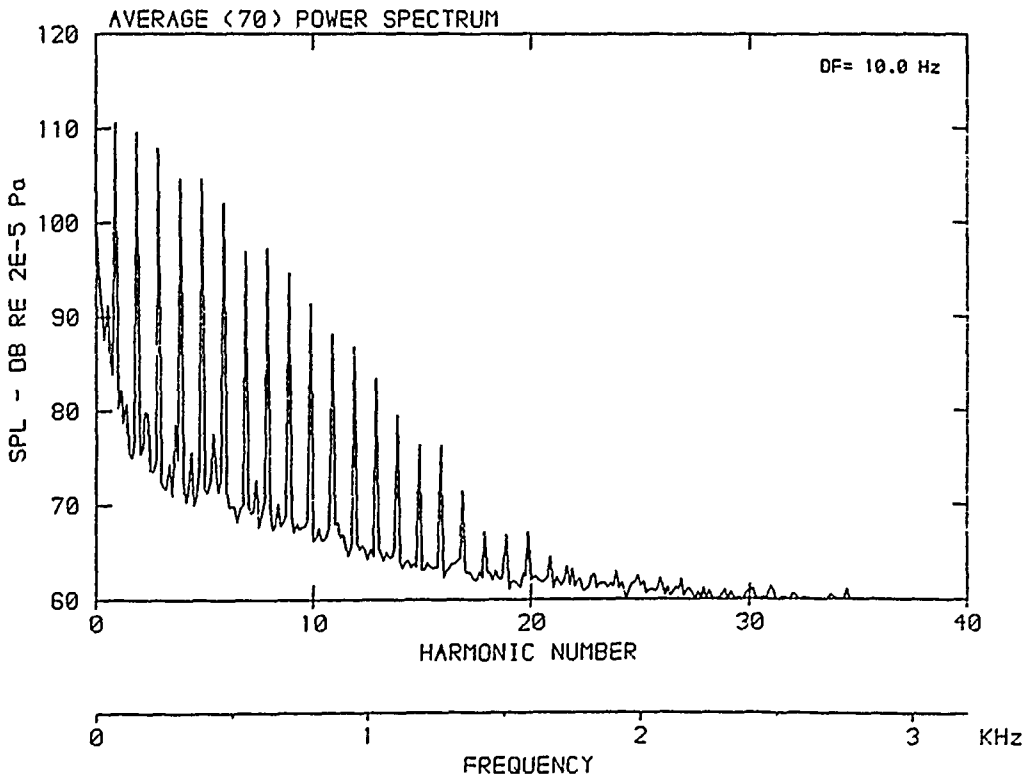




DATA POINT: BN-3 RUN: 56 MP: 3

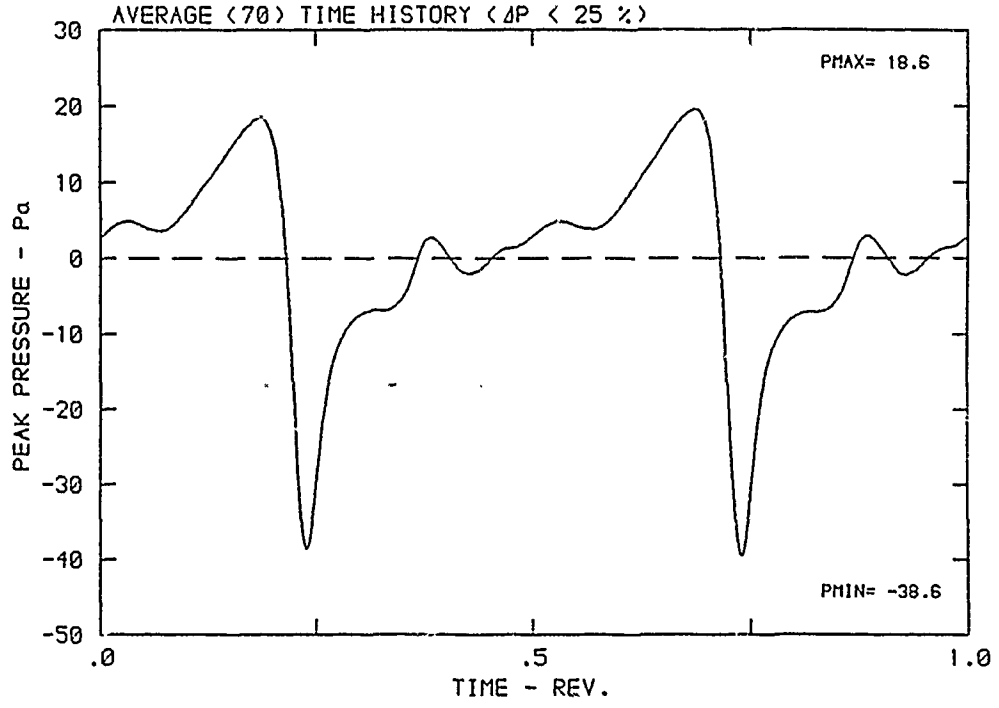
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

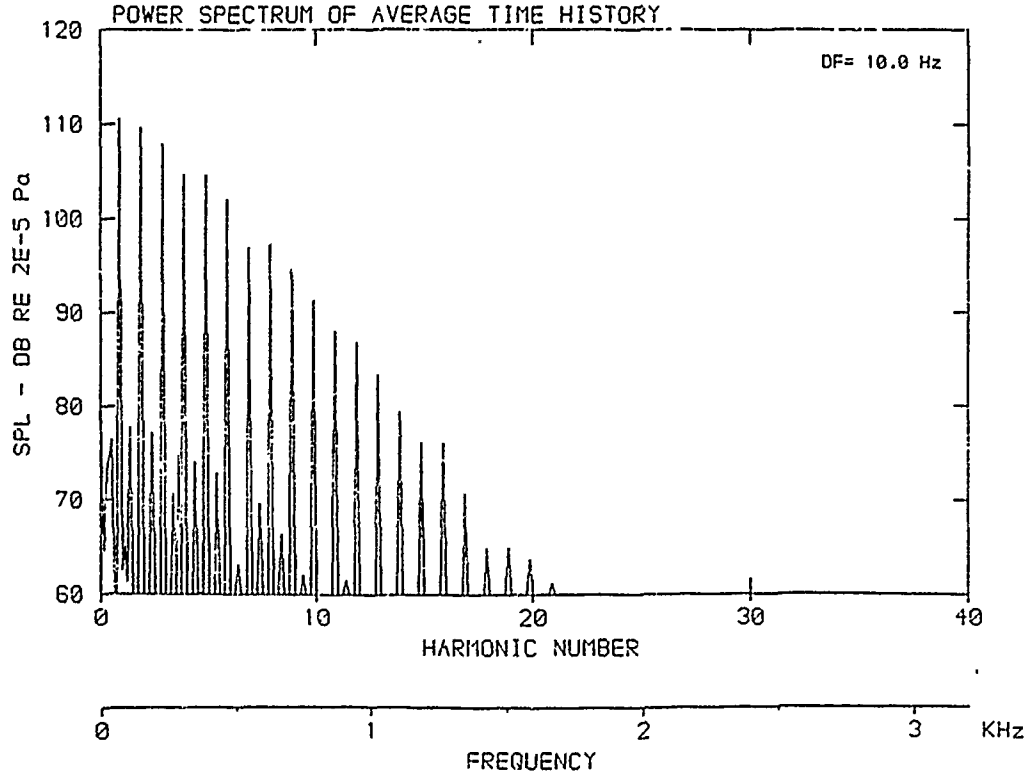




DATA POINT: BN-3 RUN: 56 MP: 3

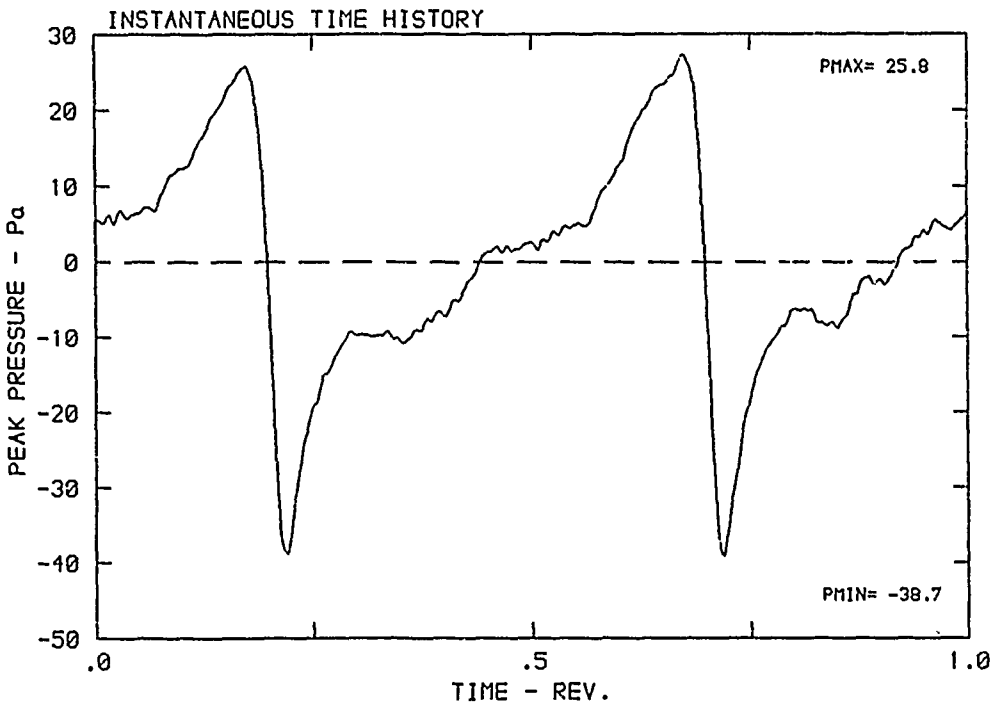
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

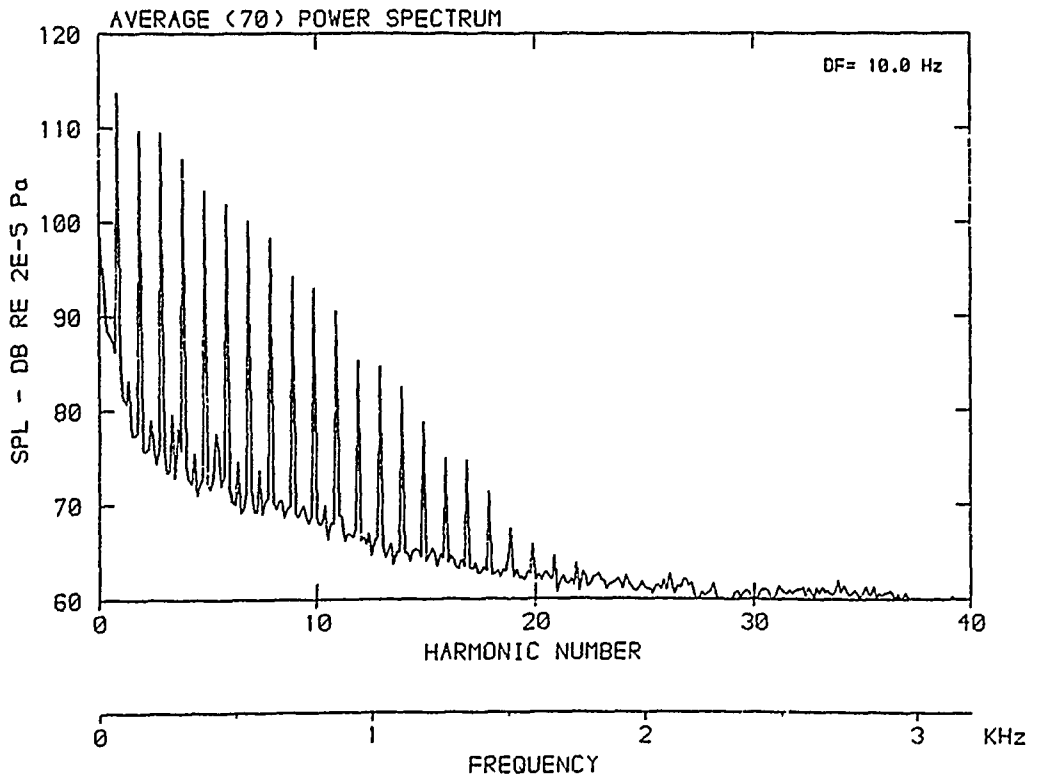




DATA POINT: BN-3 RUN: 56 MP: 4

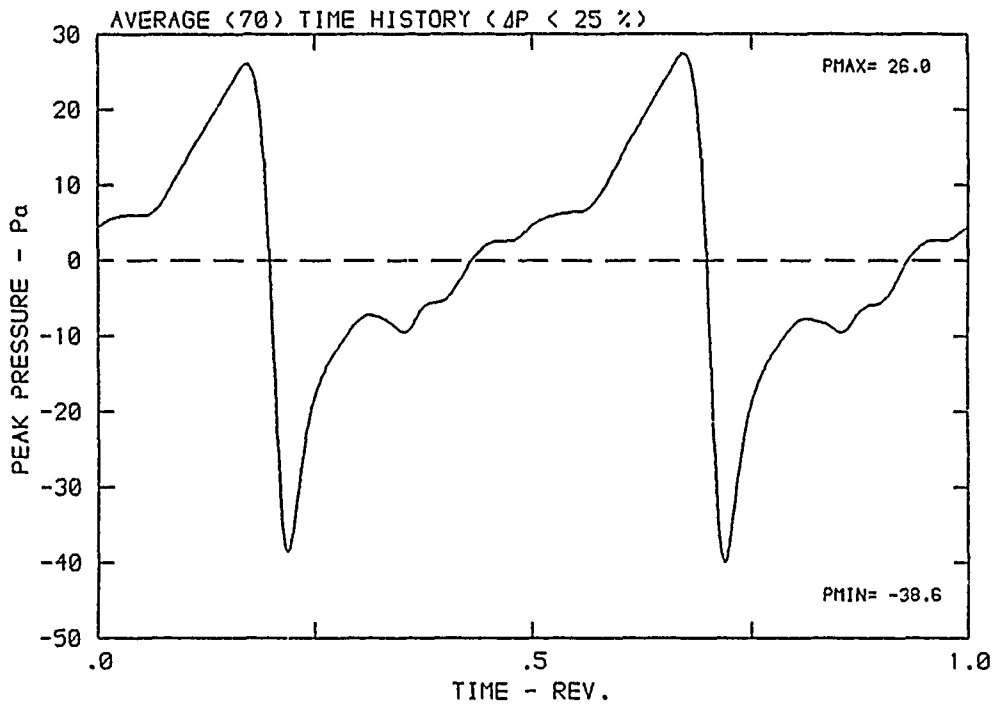
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

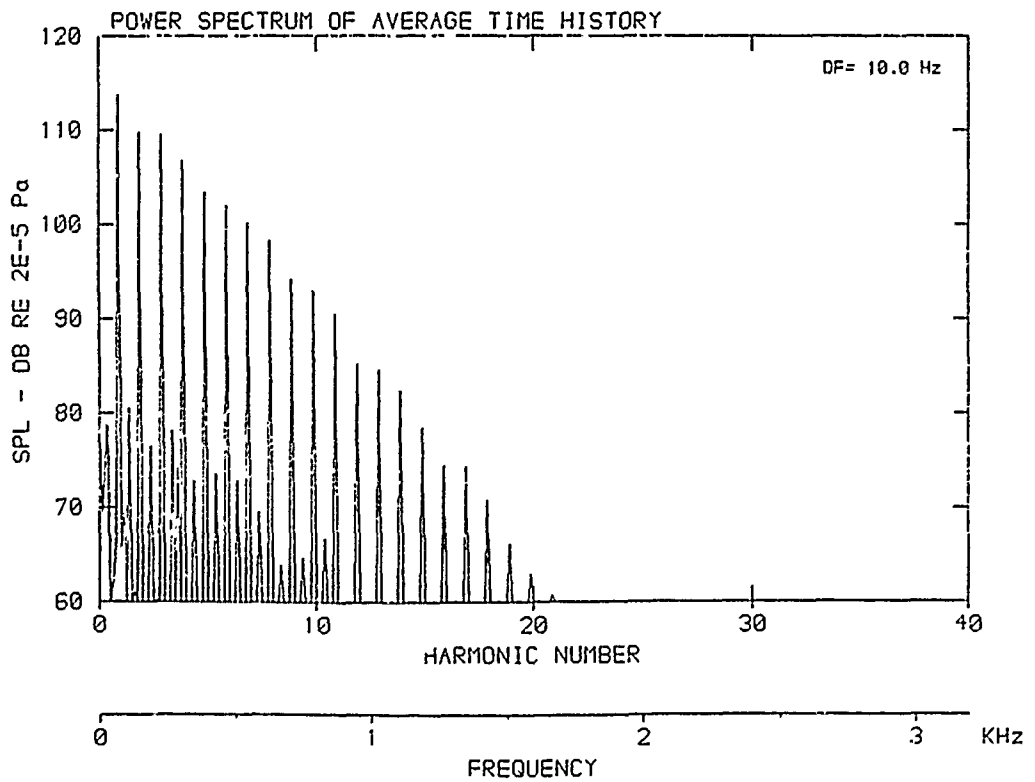




DATA POINT: BN-3 RUN: 56 MP: 4

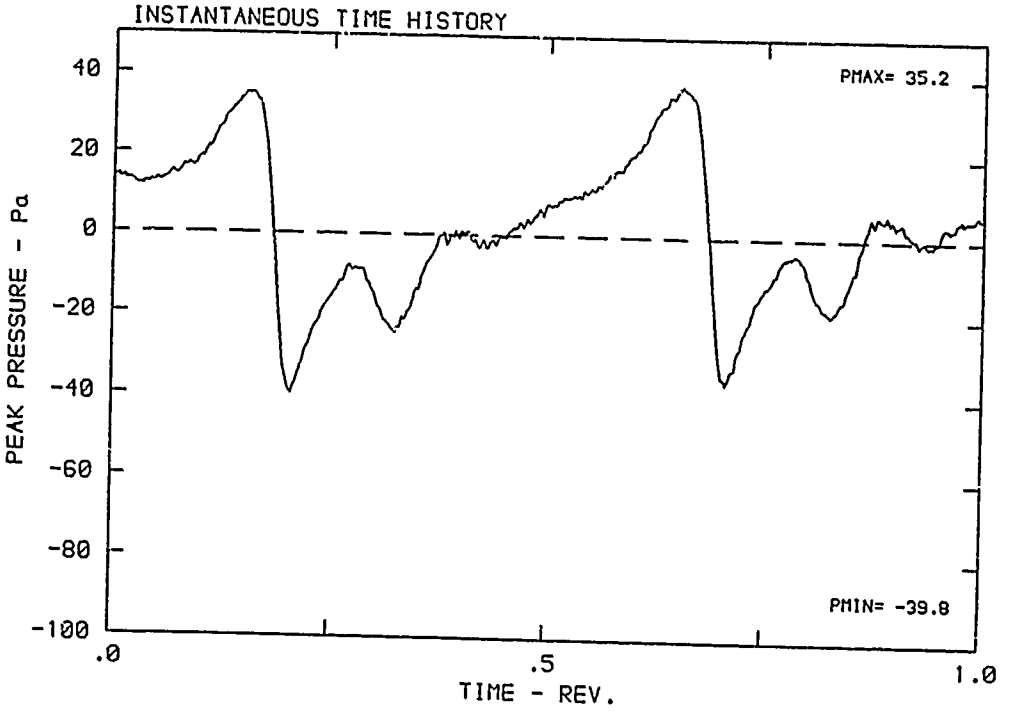
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

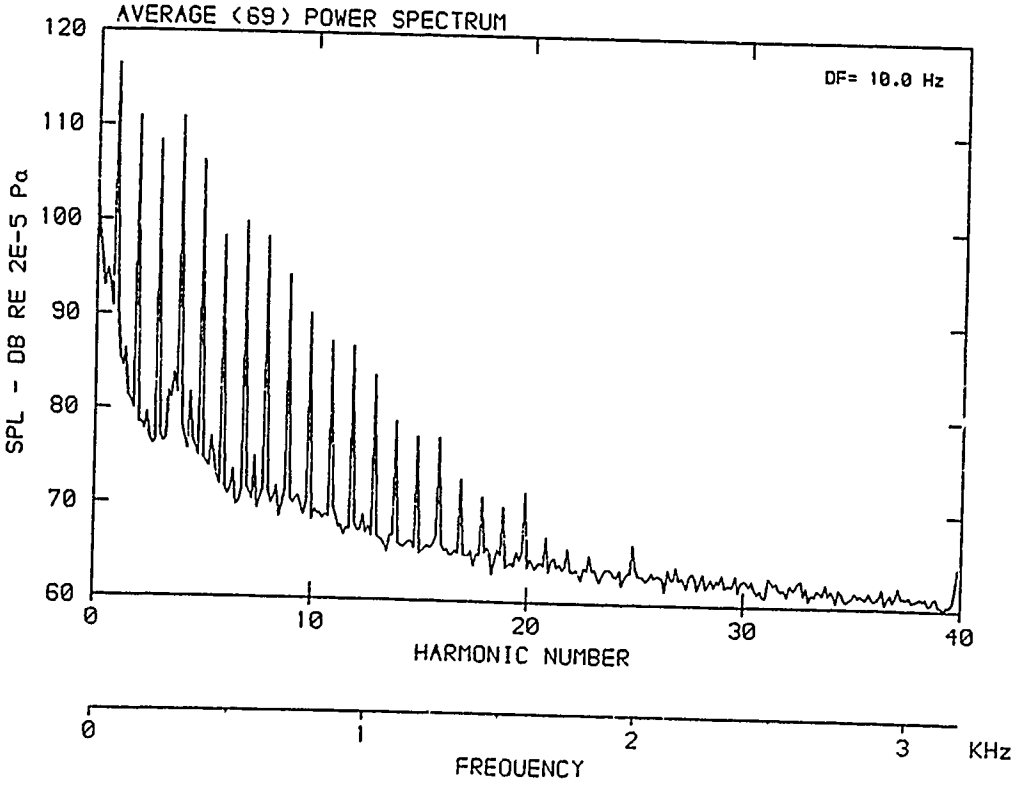




DATA POINT: BN-3 RUN: 56 MP: 5

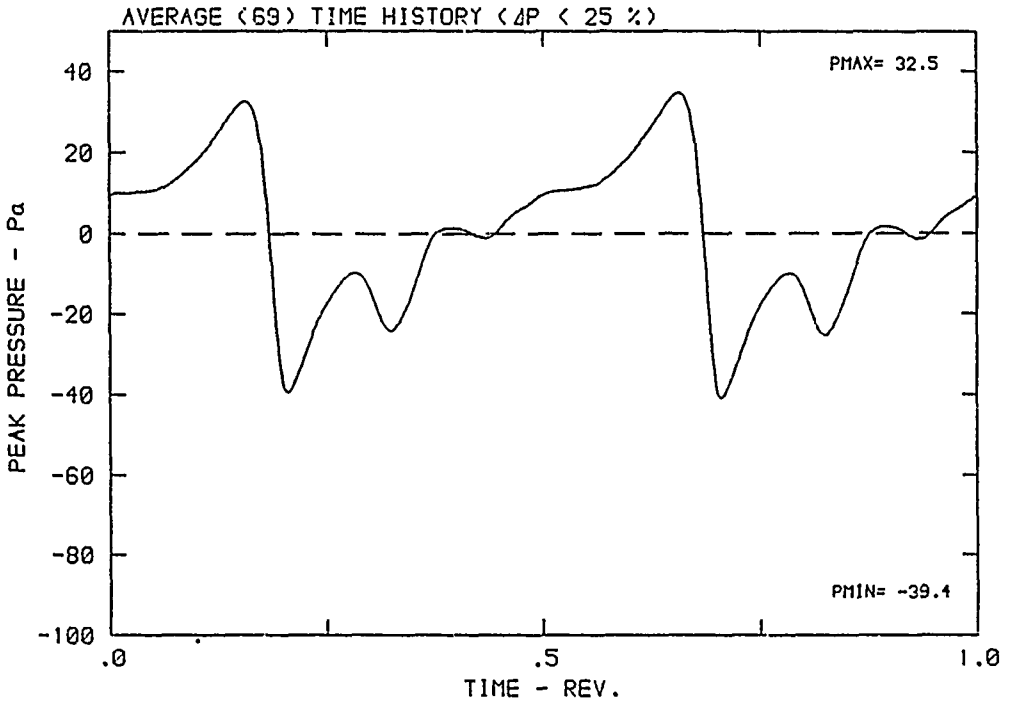
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

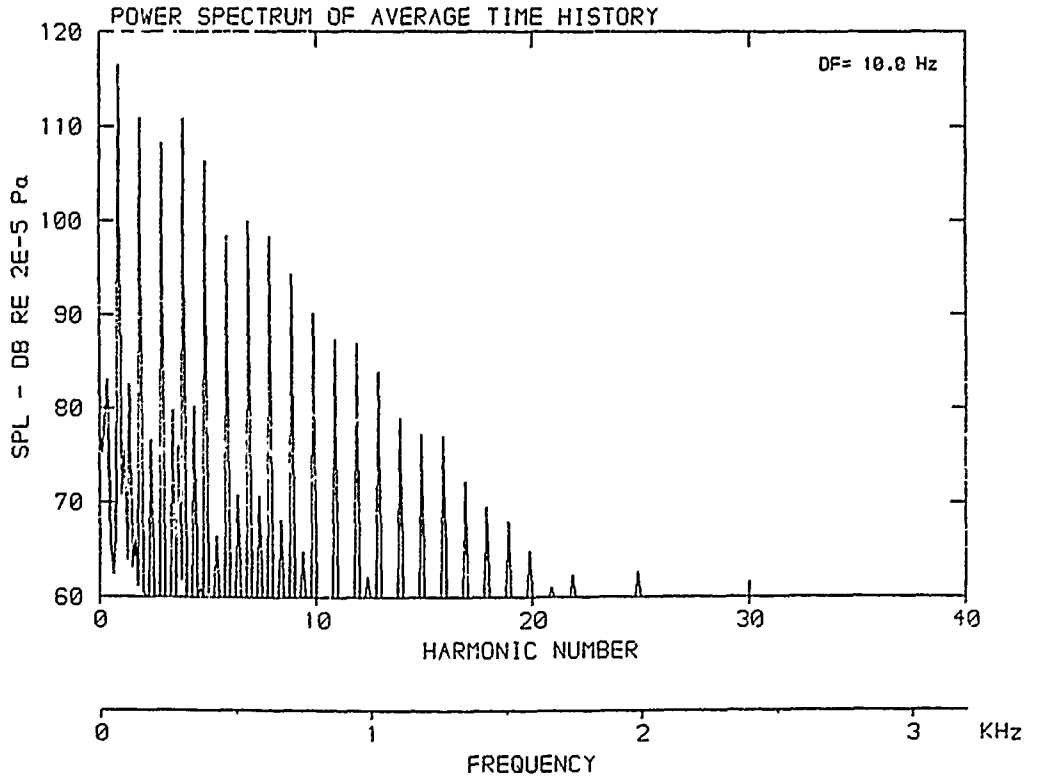




DATA POINT: BN-3	RUN: 56	MP: 5

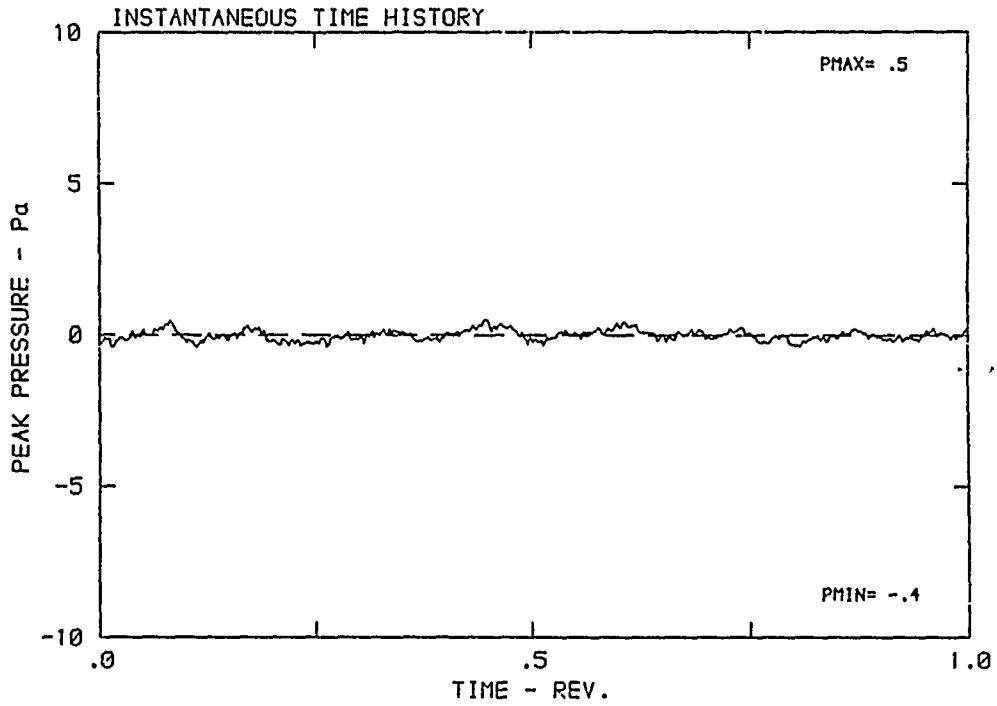
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

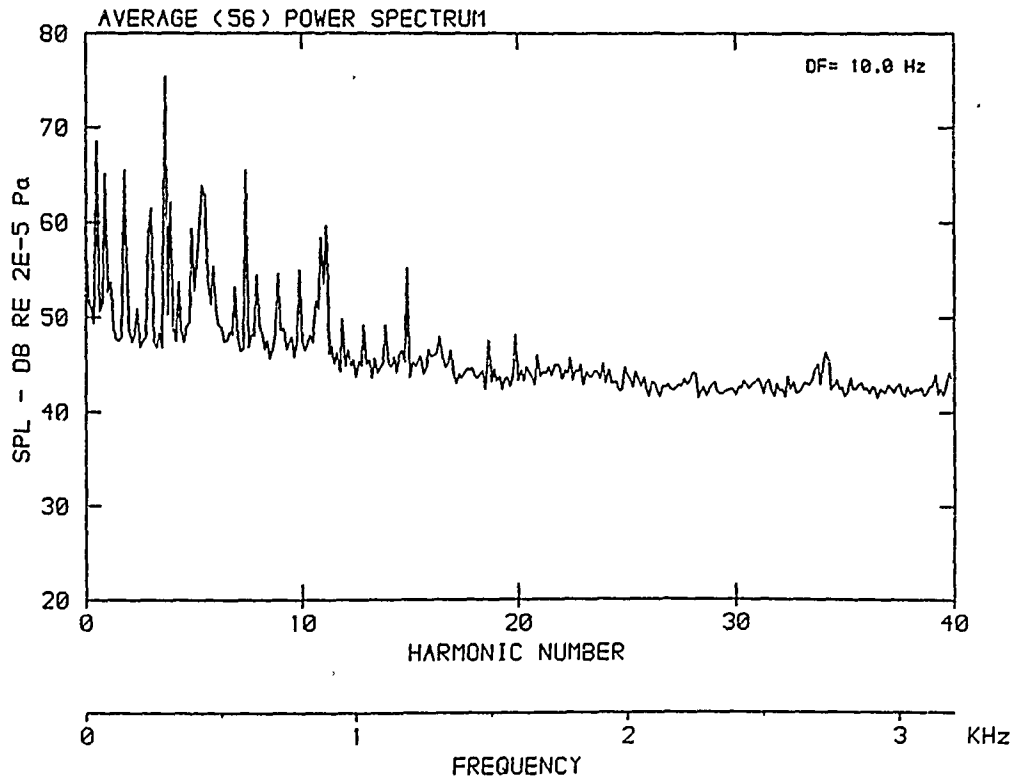




DATA POINT: BN-3 RUN: 56 MP: 6

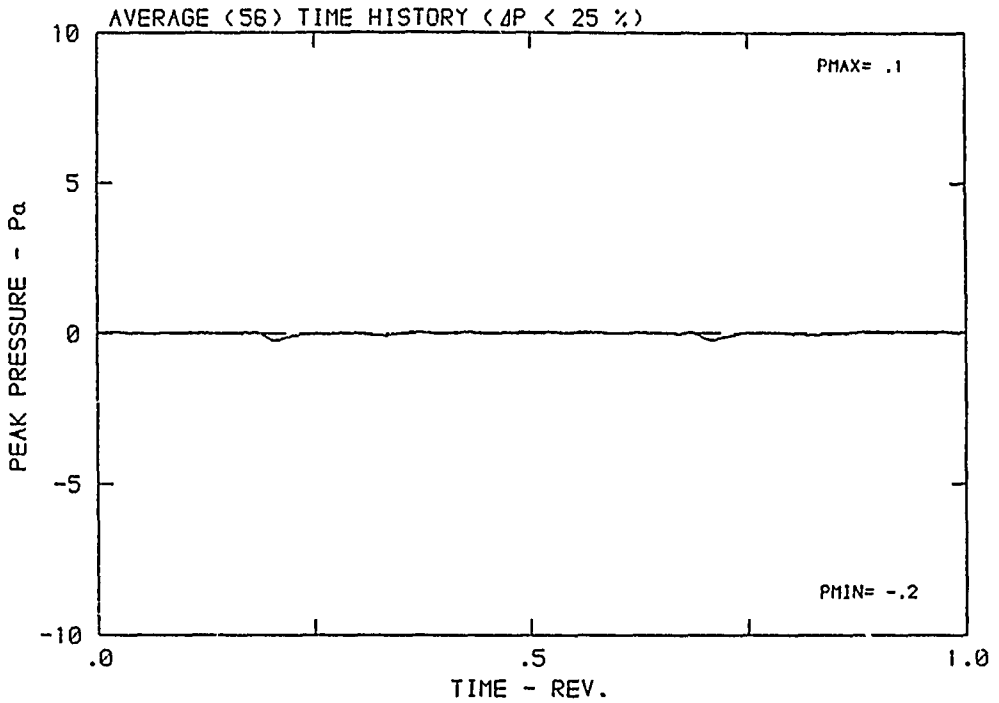
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

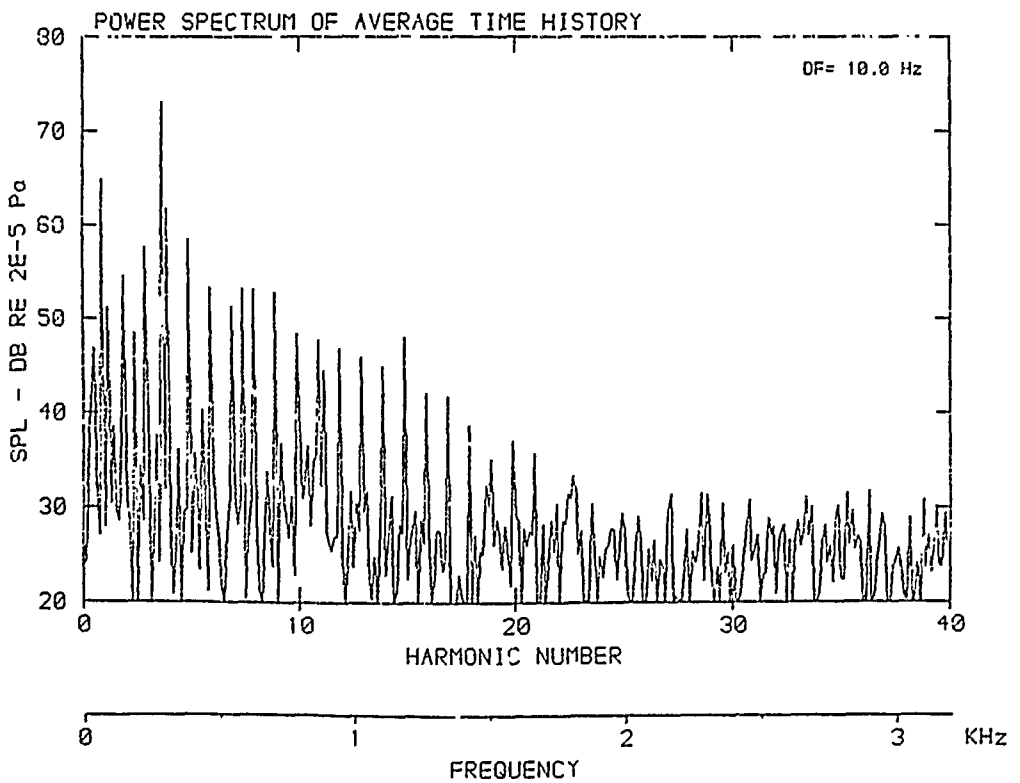




DATA POINT: BN-3	RUN: 56	MP: 6

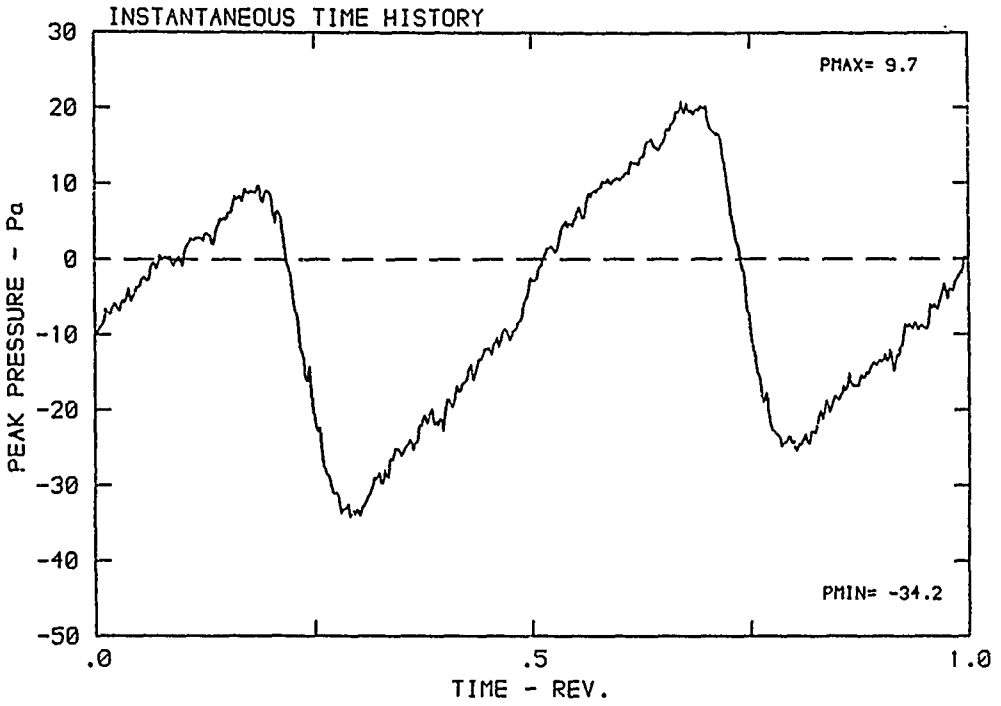
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

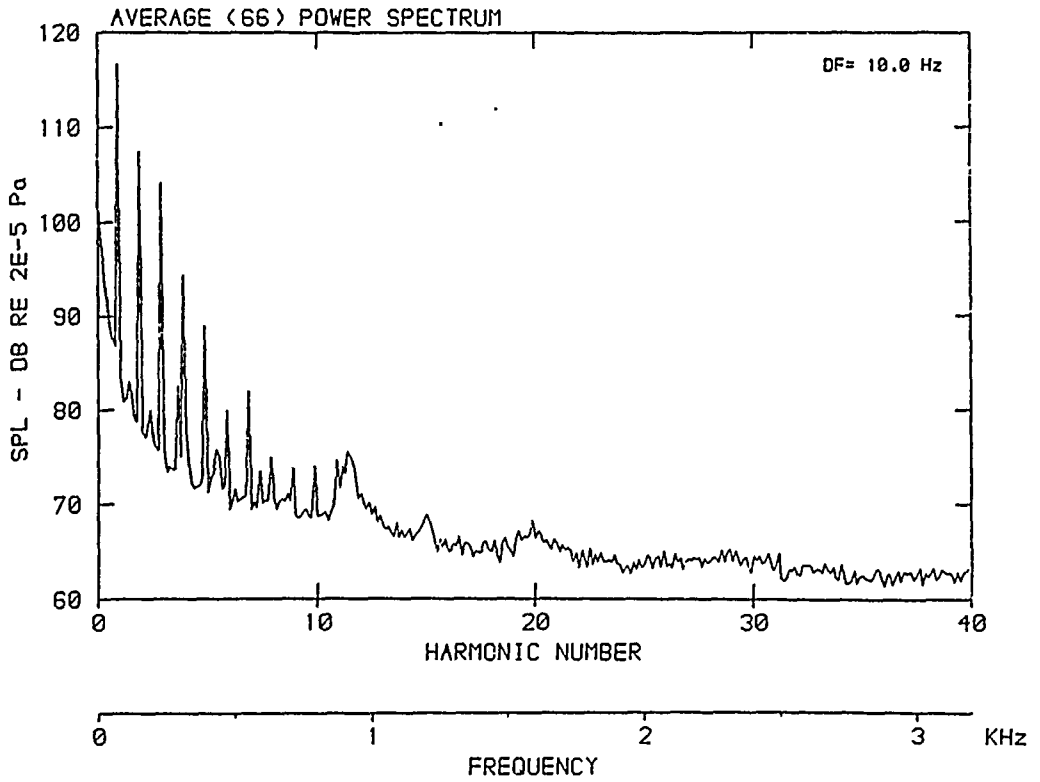




DATA POINT: BN-3 RUN: 56 MP: 7

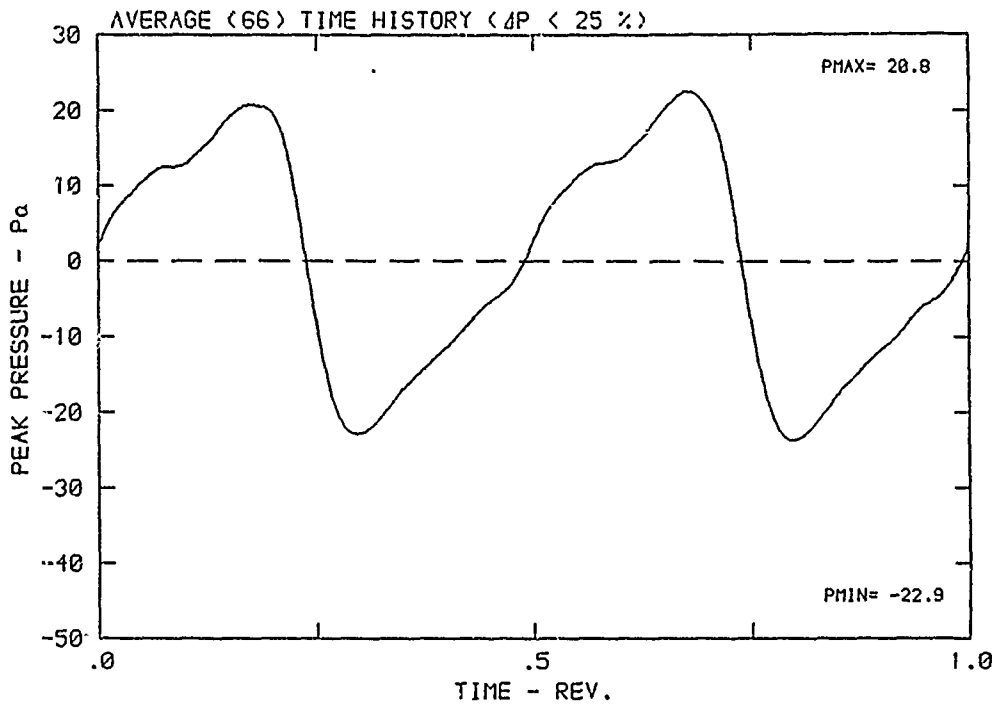
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

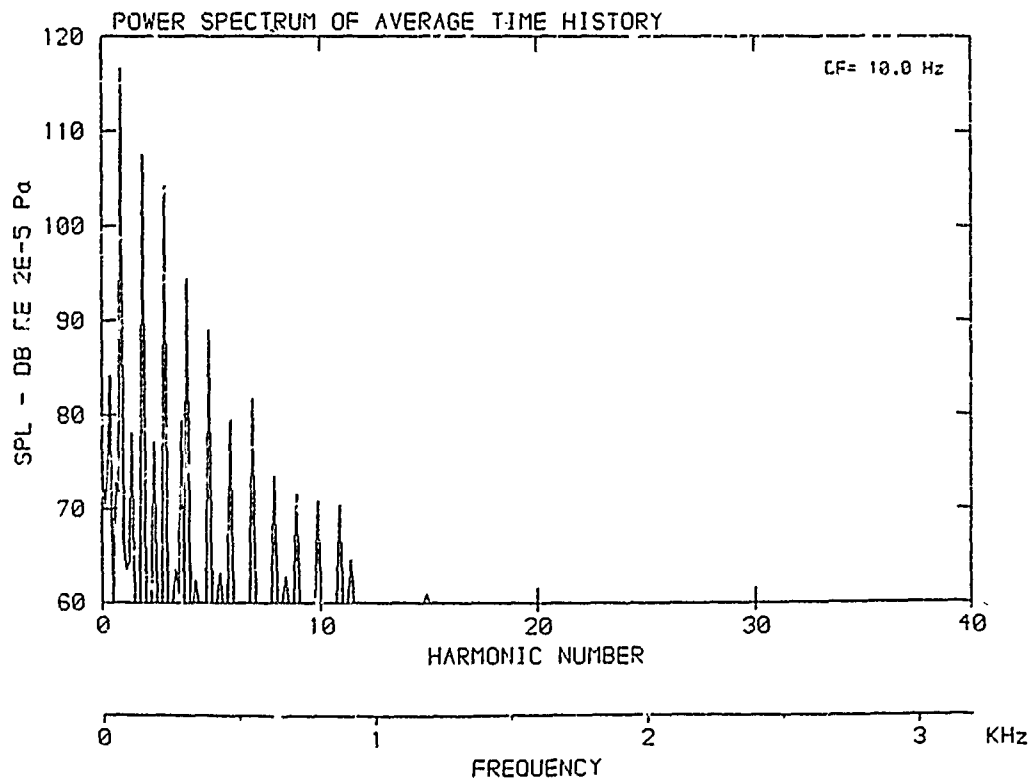




DATA POINT: BN-3 RUN: 56 MP: 7

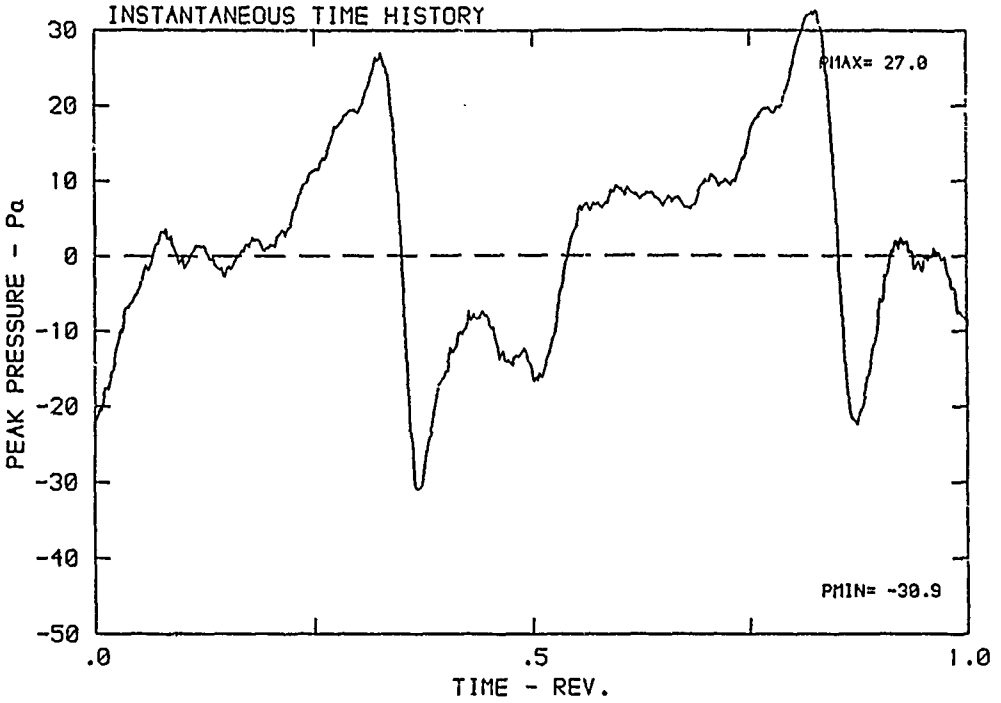
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

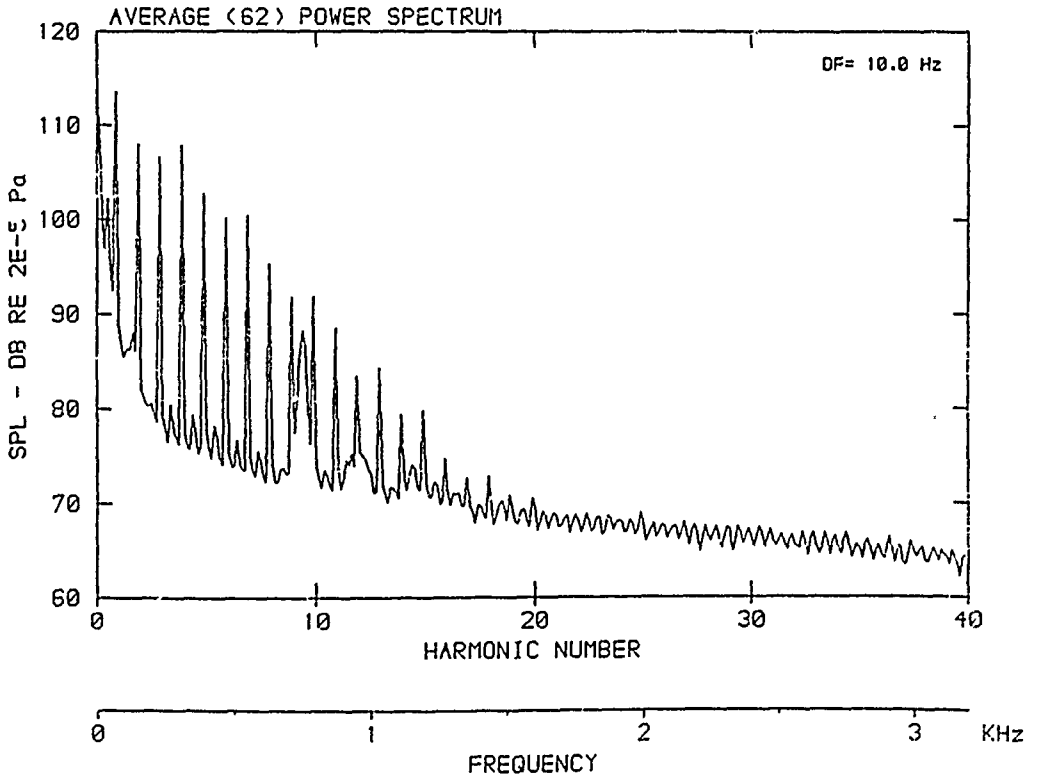




DATA POINT: BN-3	RUN: 56	MP: 9

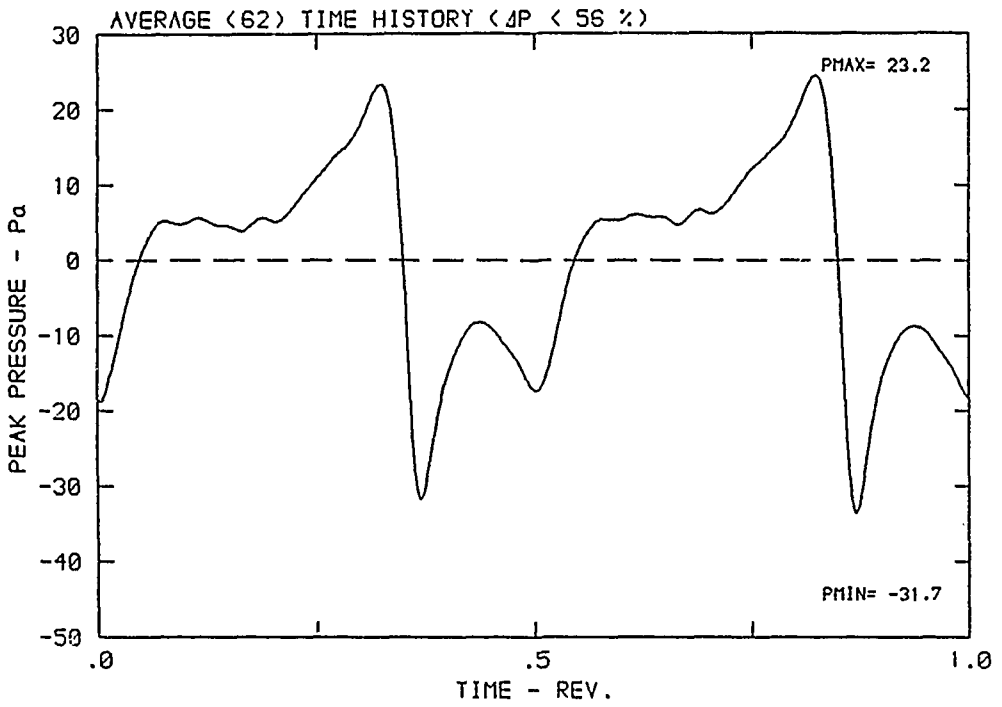
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

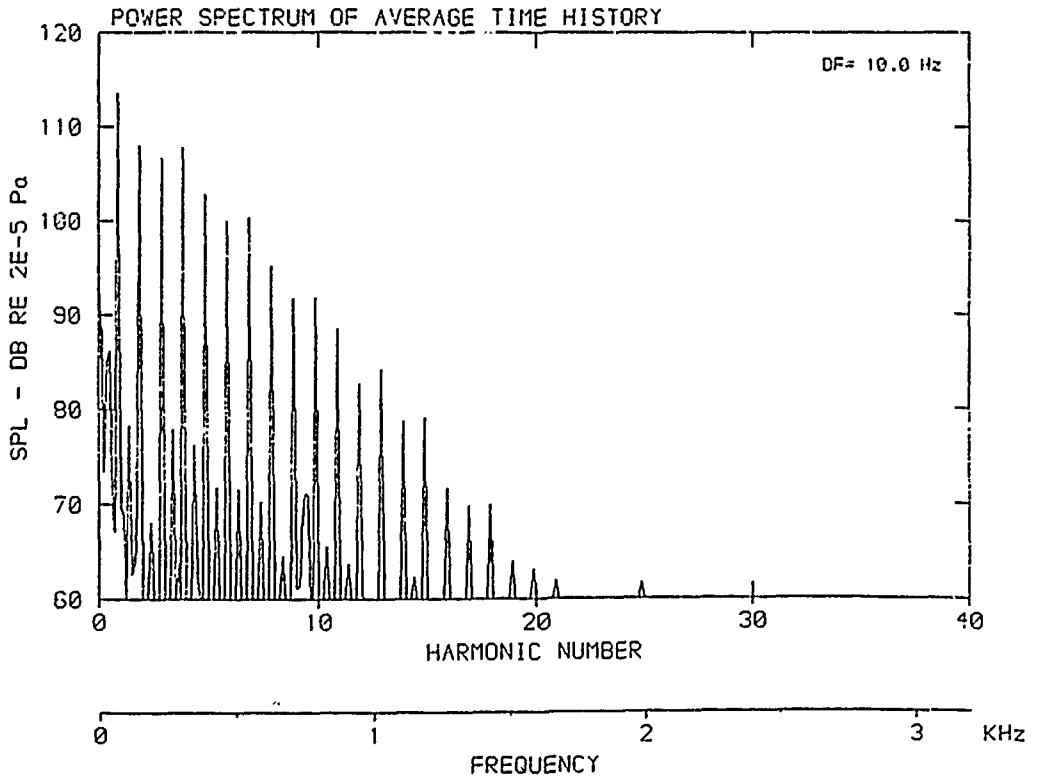




DATA POINT: BN-3 RUN: 56 MP: 9

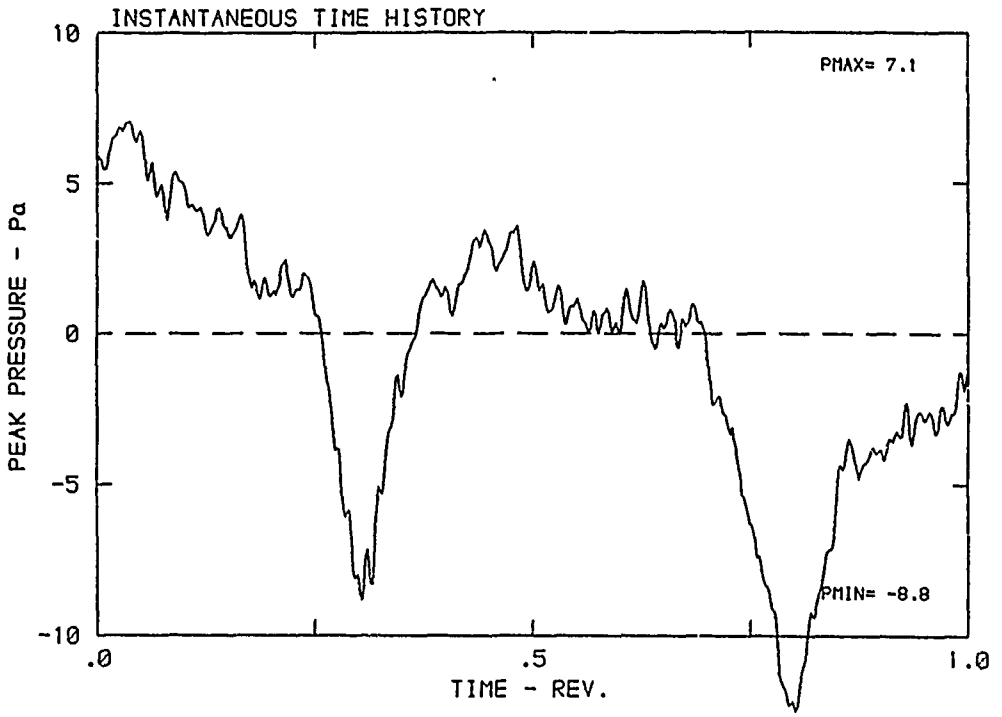
β: 19.9° MH: .7635 n: 2400 rpm v/u: .178 ϕ: .0° T: 287.1 K

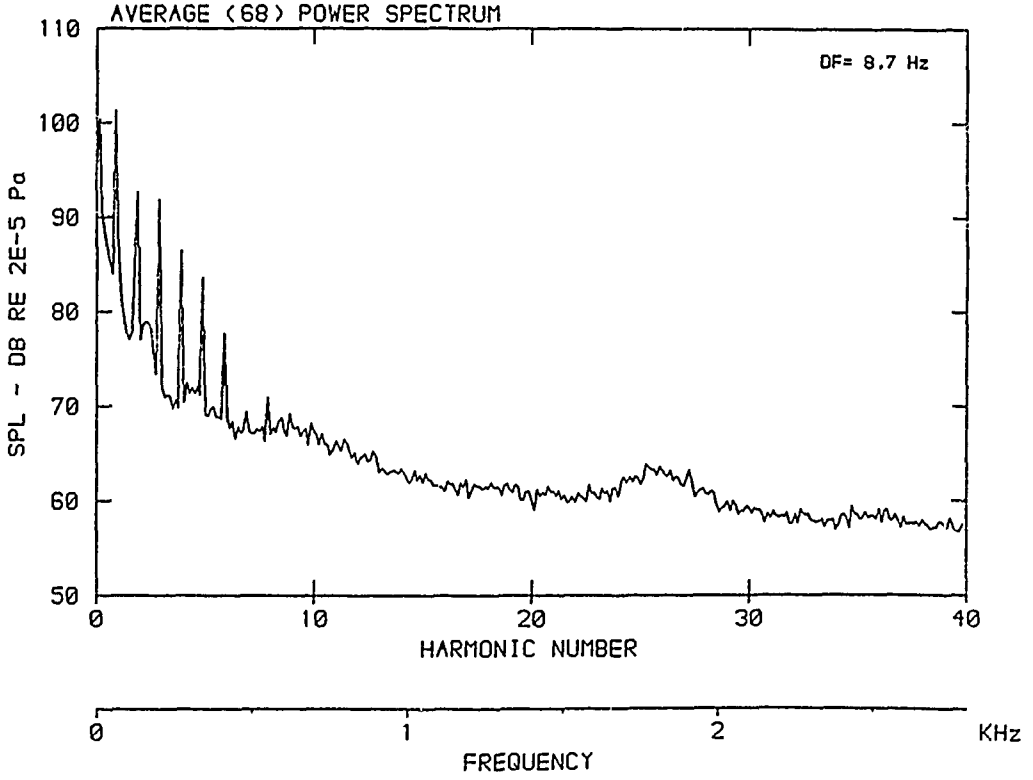




DATA POINT: BN-4 RUN: 54 MP: 1

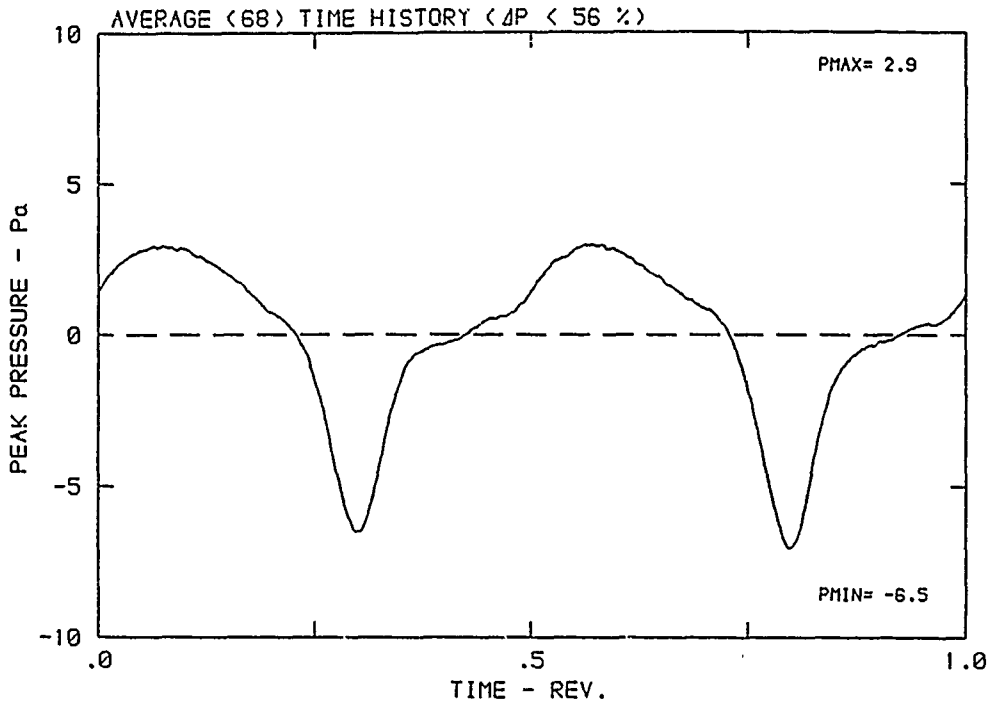
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

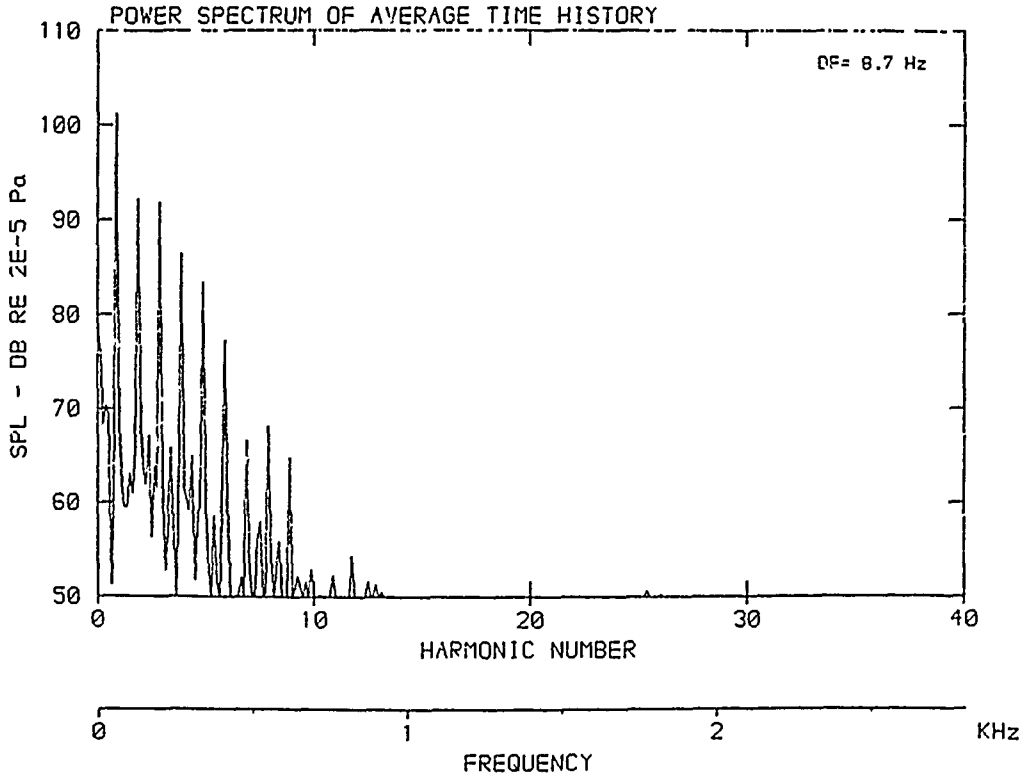




DATA POINT: BN-4 RUN: 54 MP: 1

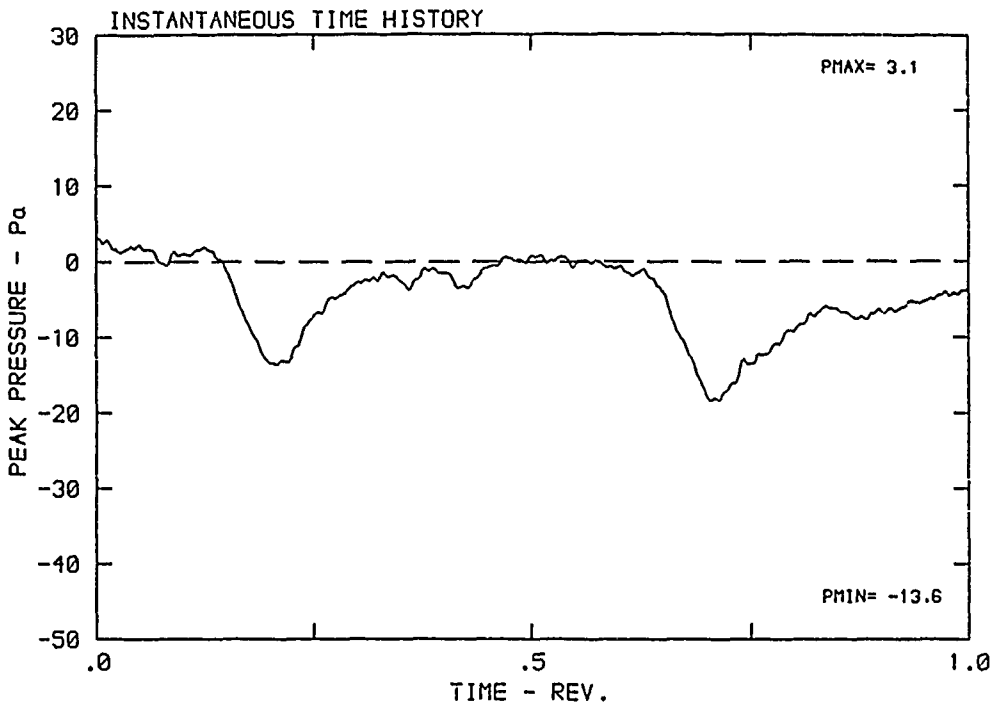
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

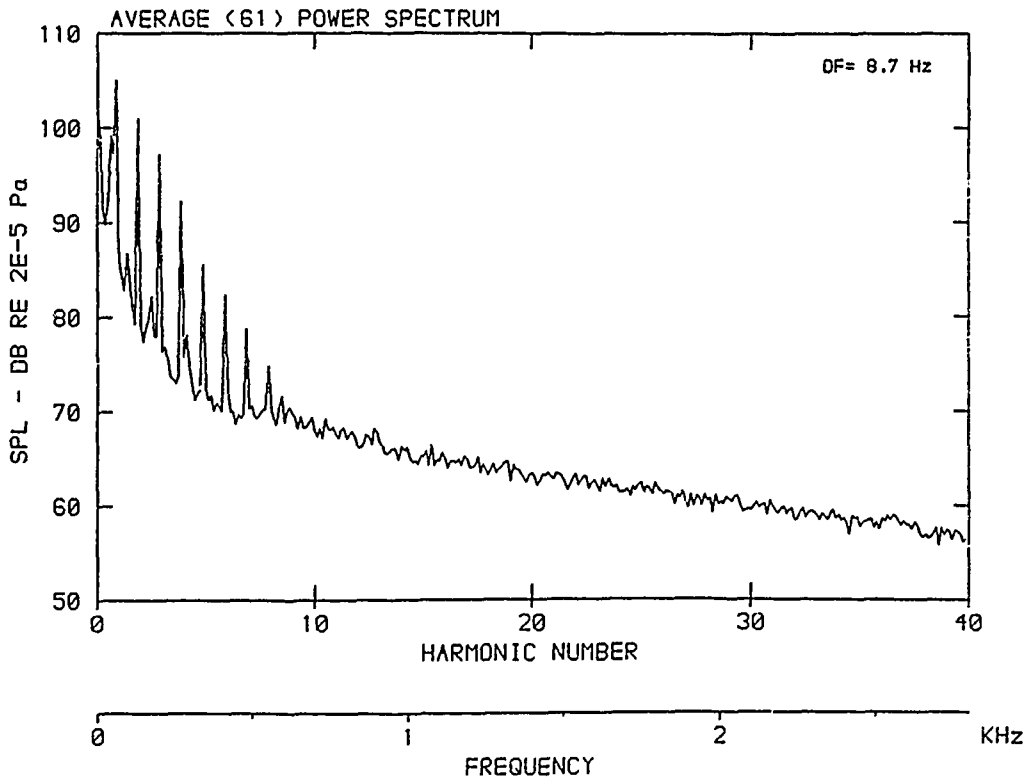




DATA POINT: BN-4 RUN: 54 MP: 2

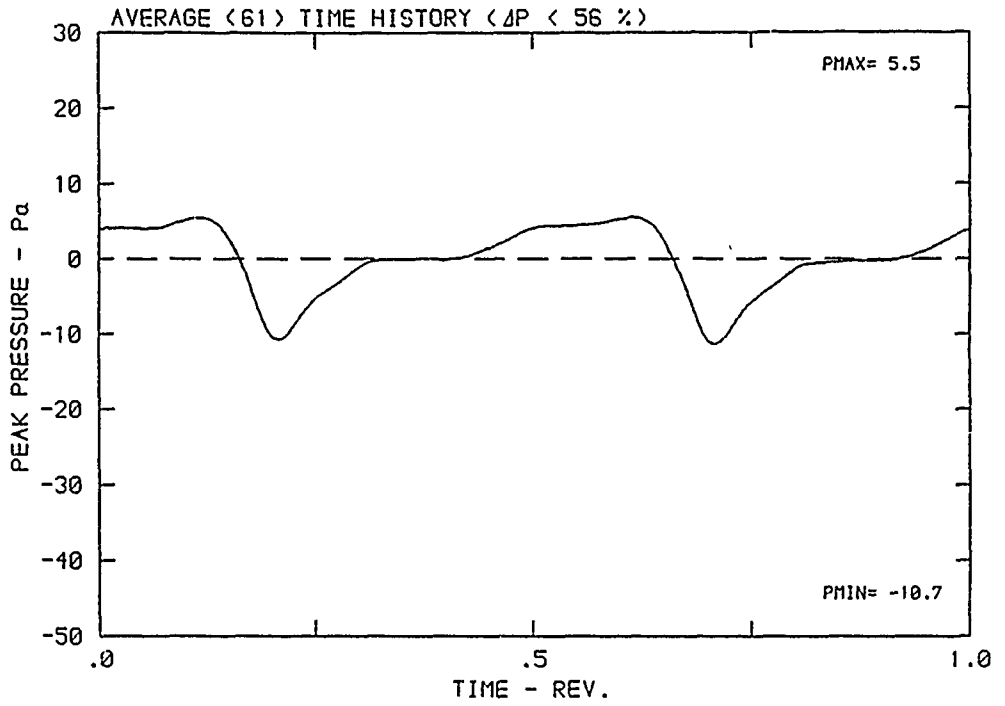
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

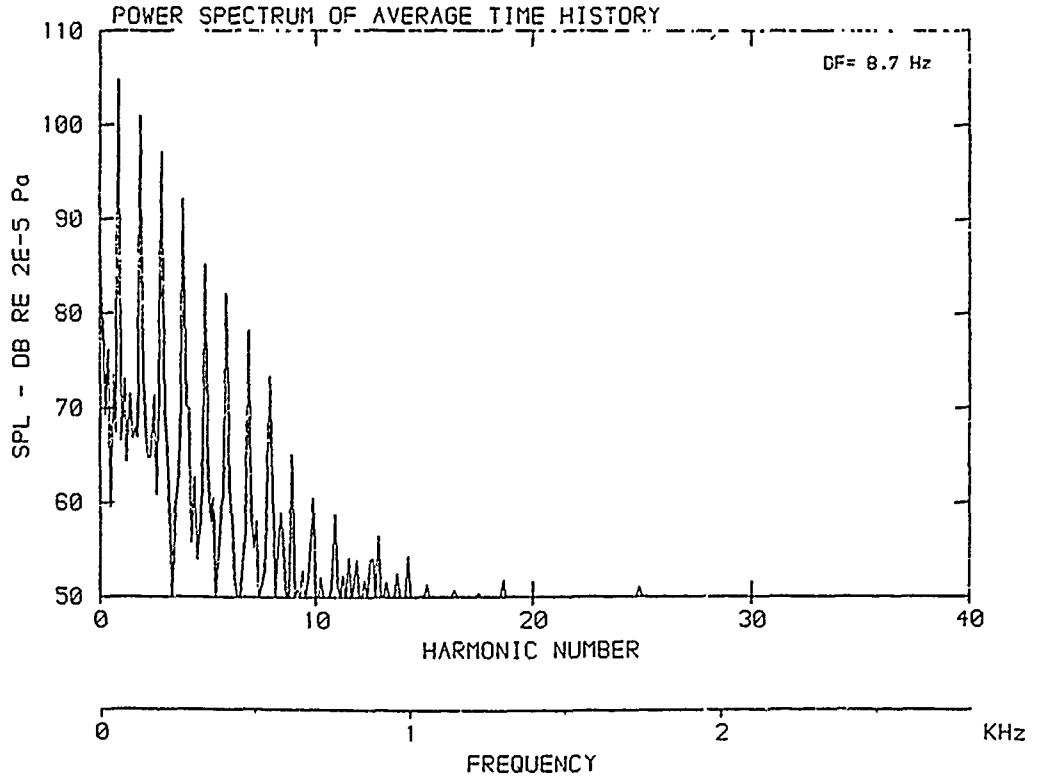




DATA POINT: BN-4 RUN: 54 MP: 2

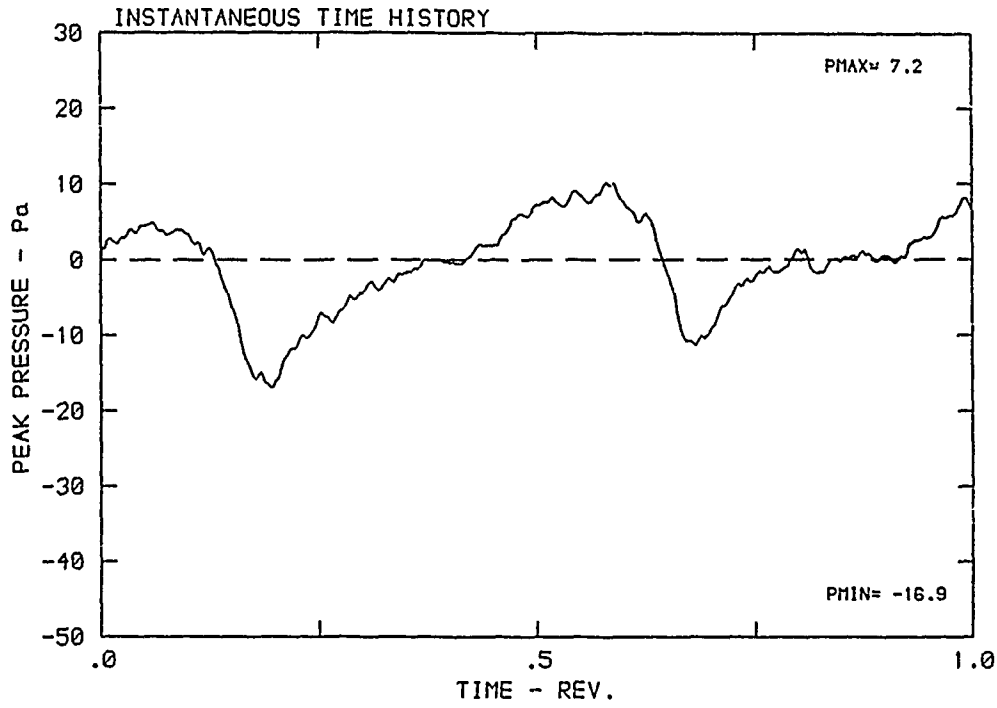
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

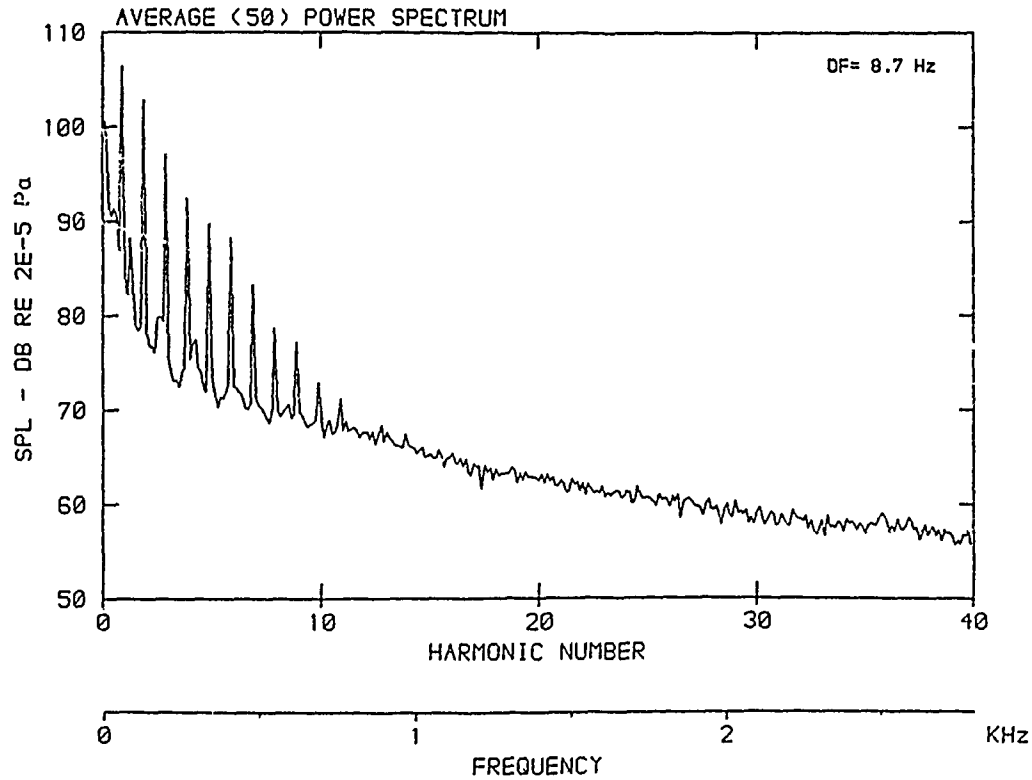




DATA POINT: BN-4 RUN: 54 MP: 3

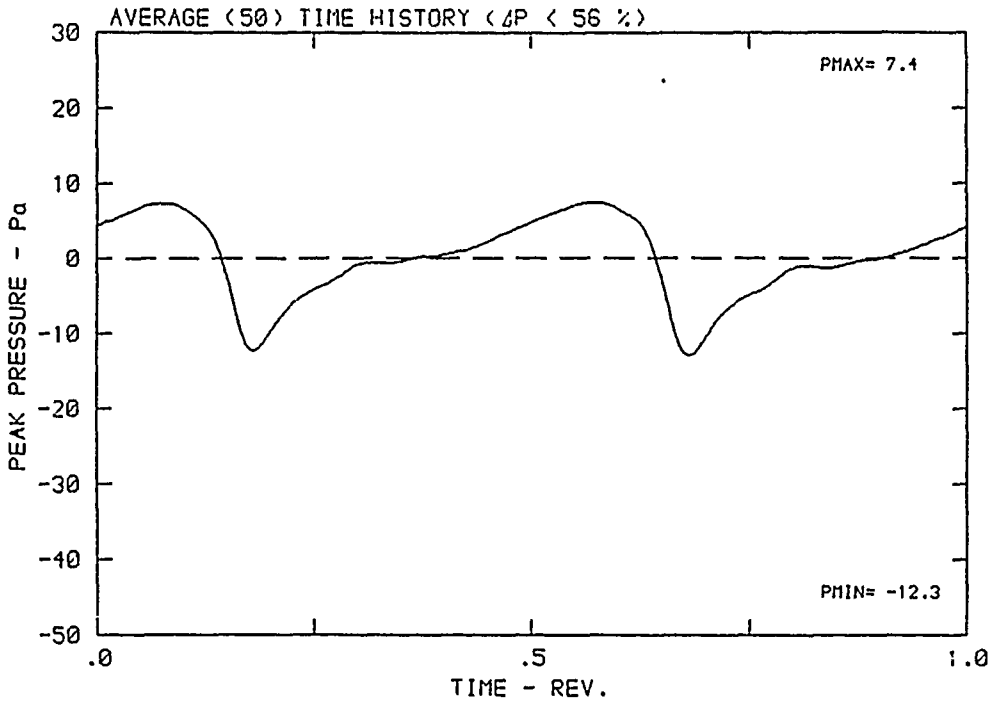
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

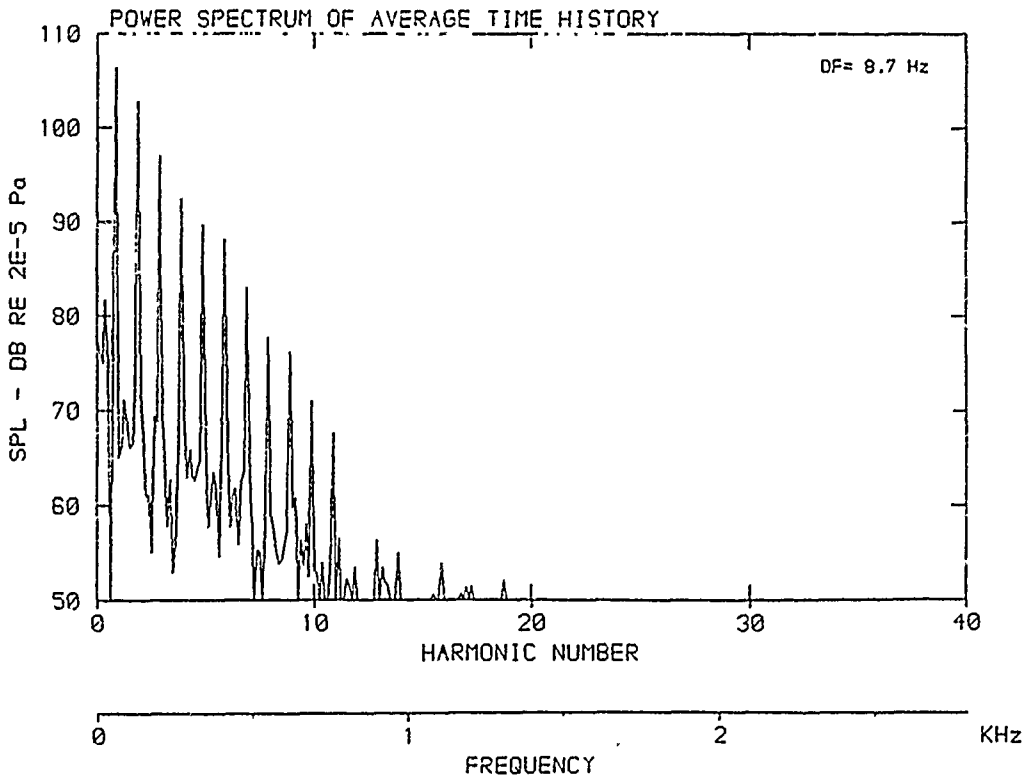




DATA POINT: BN-4	RUN: 54	MP: 3

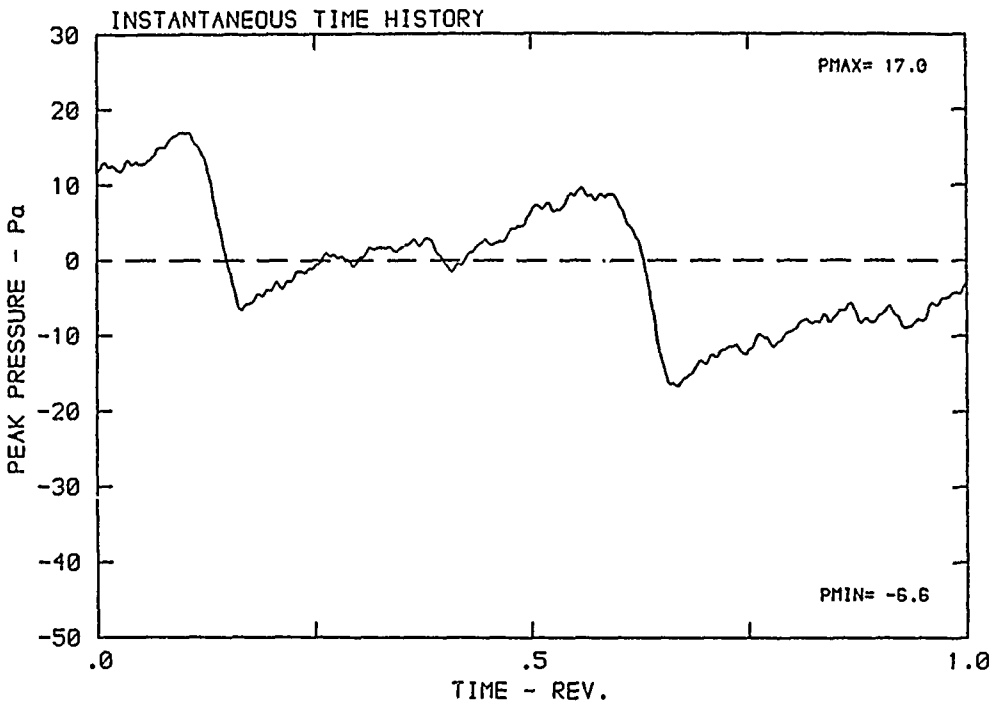
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

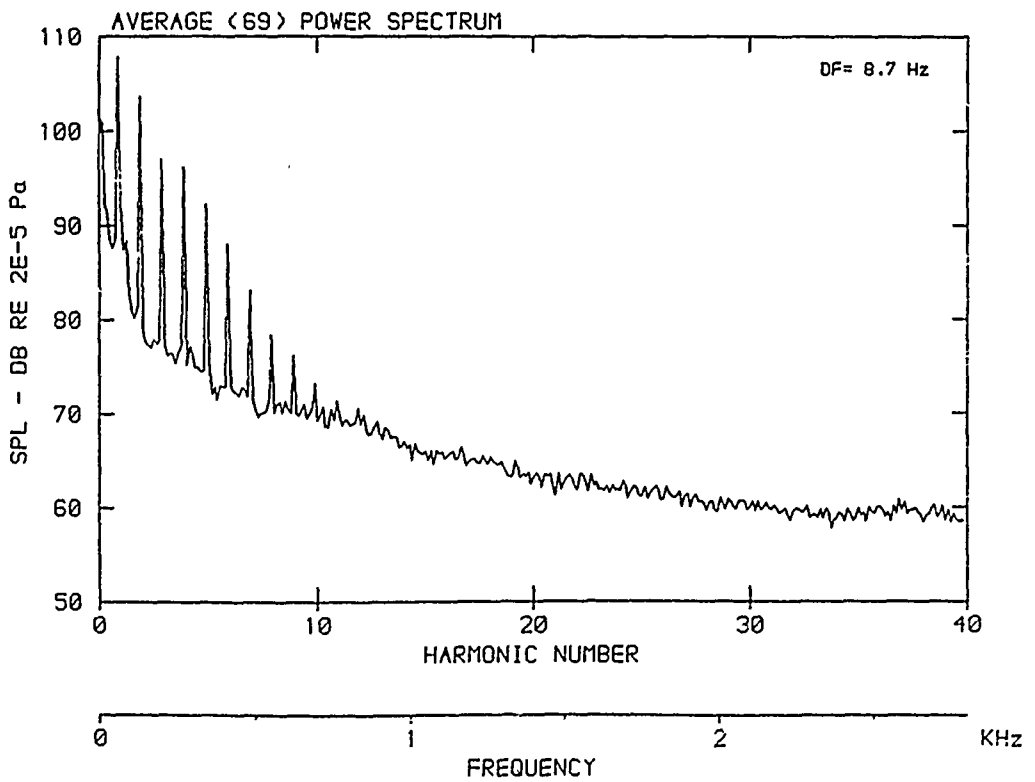




DATA POINT: BN-4 RUN: 54 MP: 4

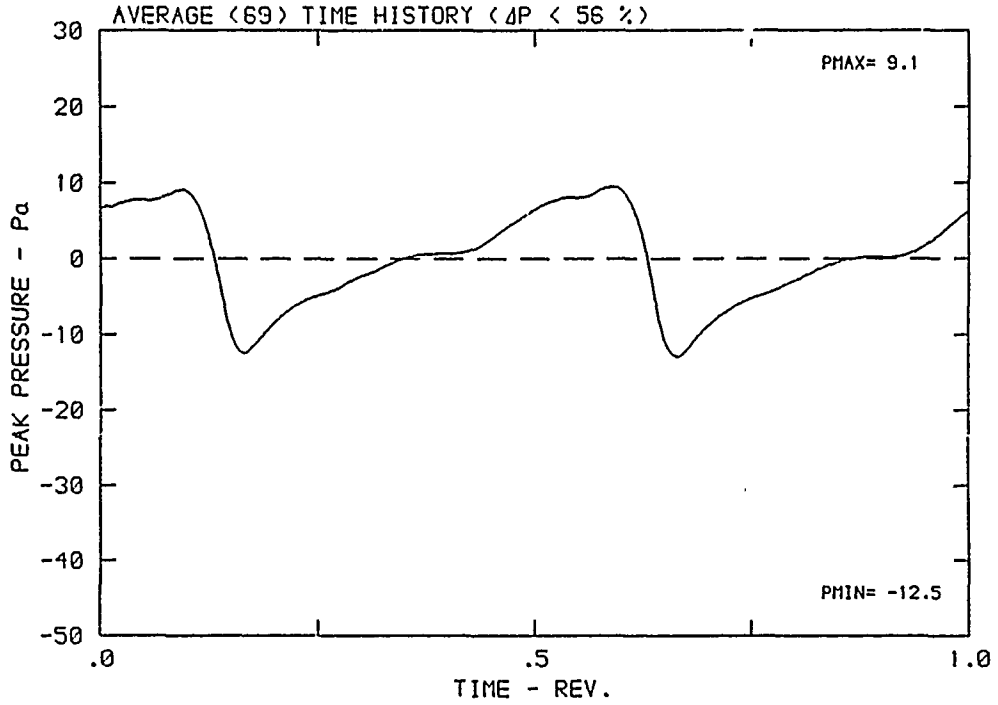
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

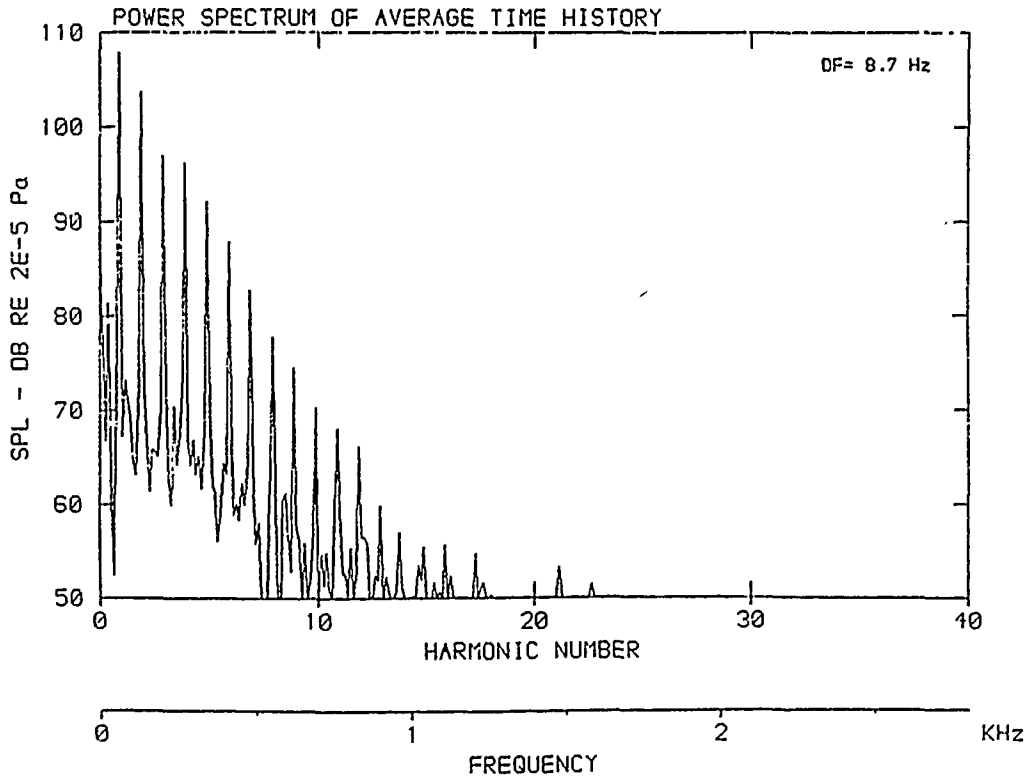




DATA POINT: BN-4	RUN: 54	MP: 4

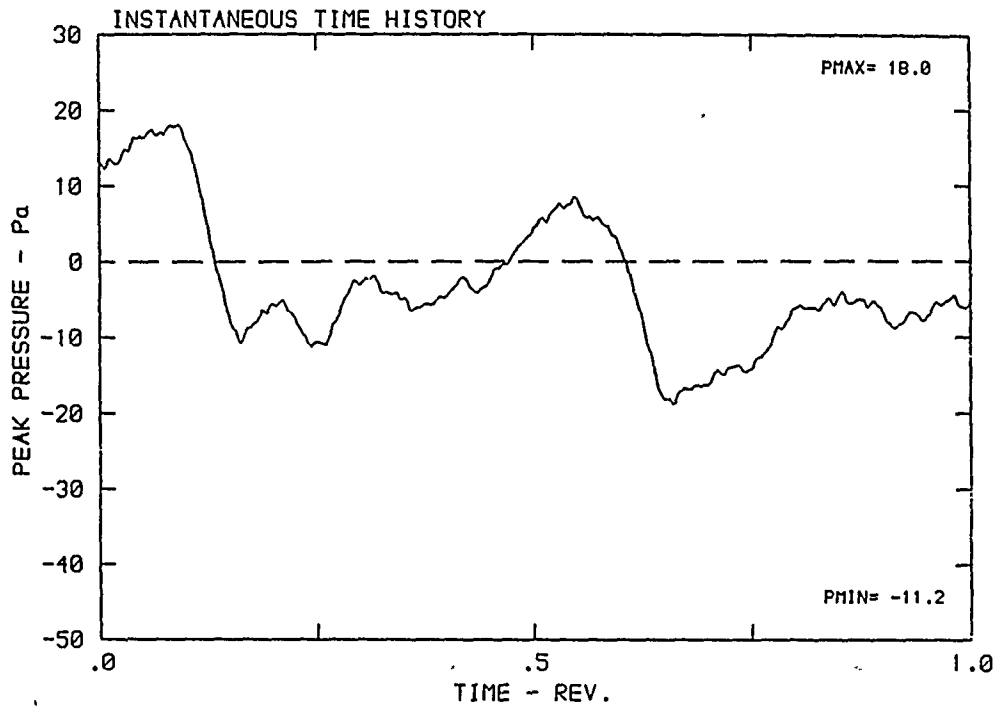
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

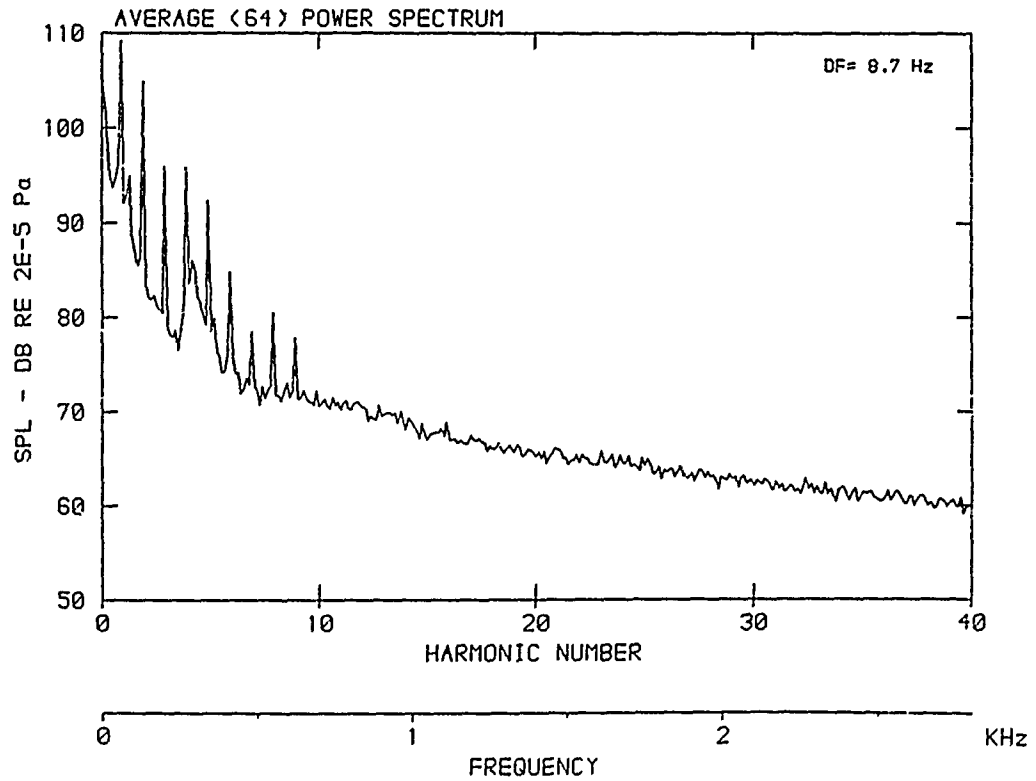




DATA POINT: BN-4 RUN: 54 MP: 5

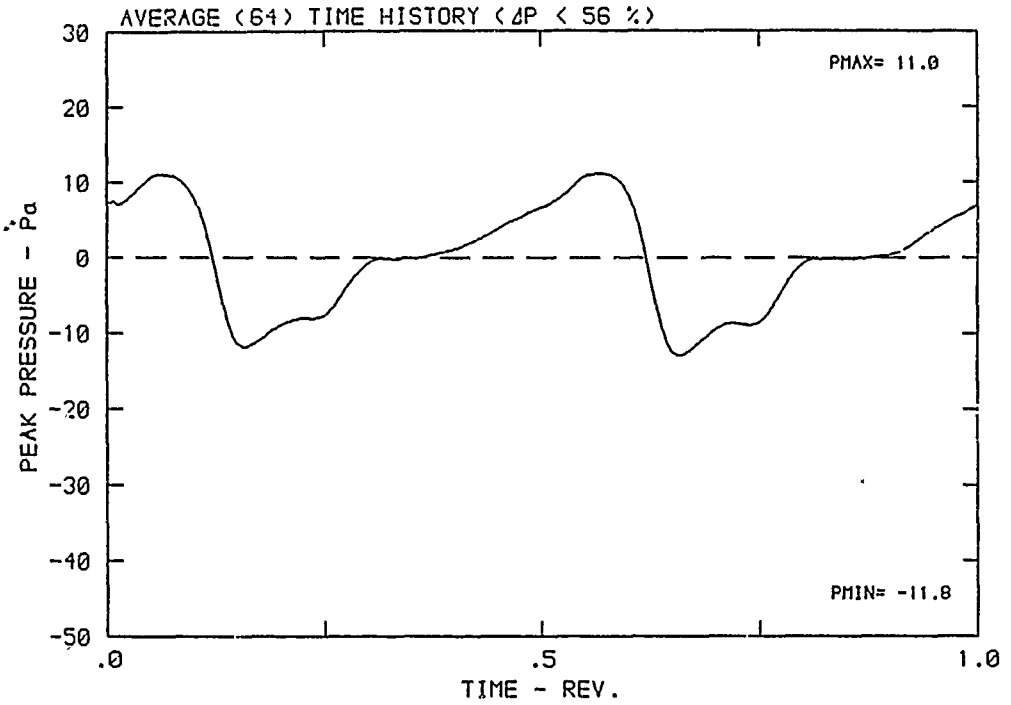
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

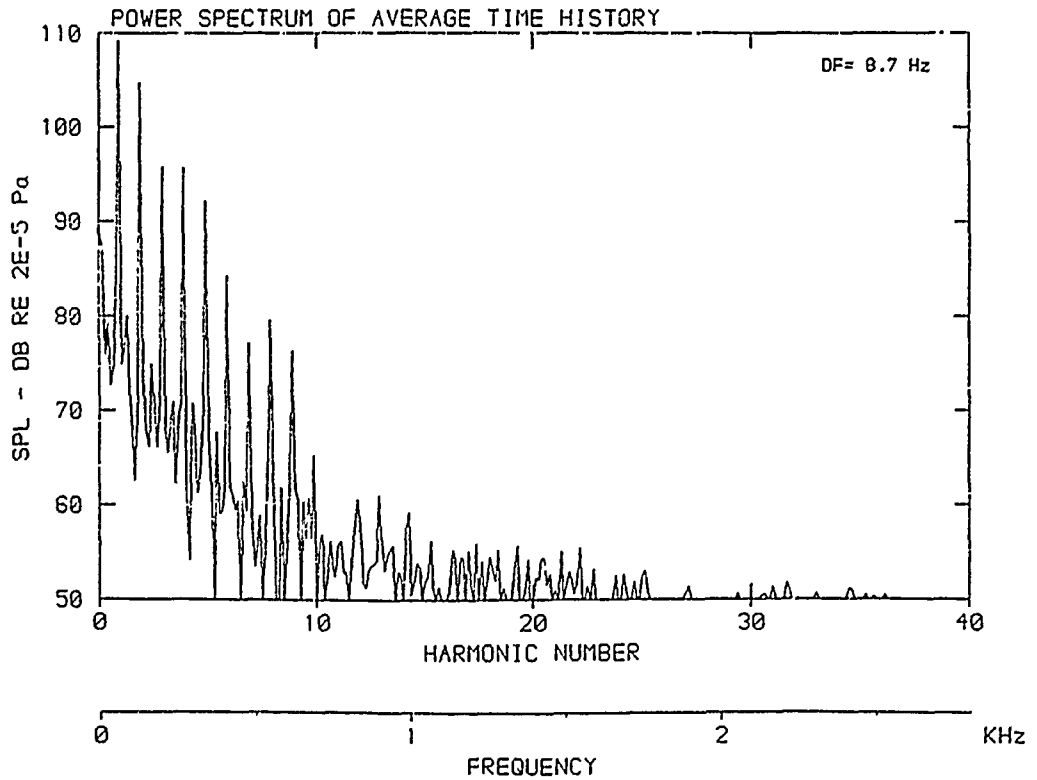




DATA POINT: BN-4	RUN: 54	MP: 5

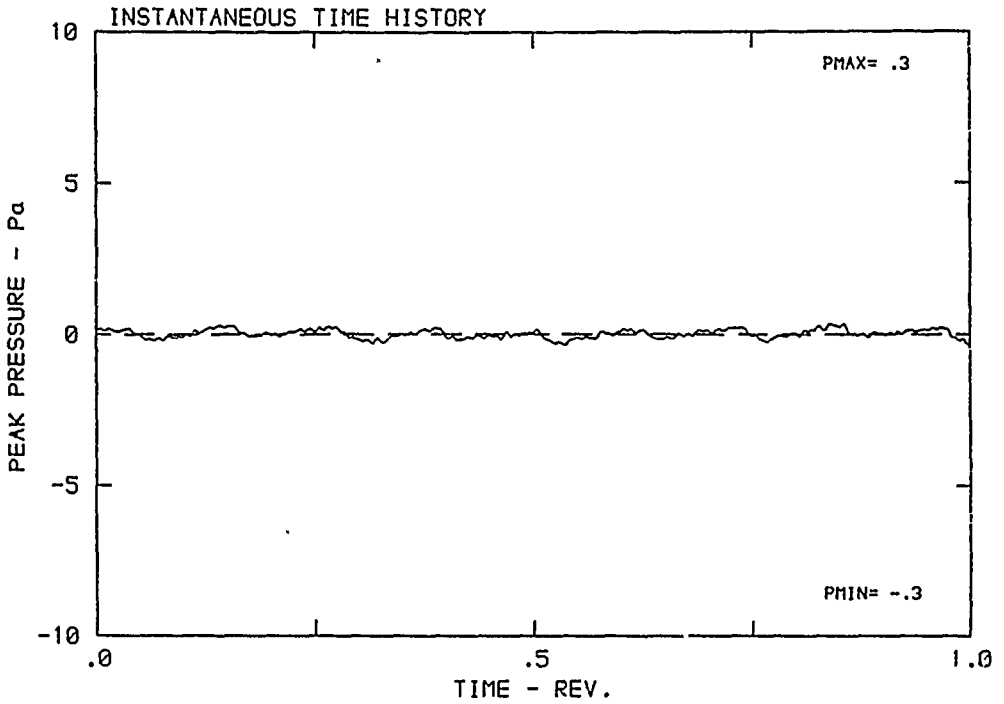
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

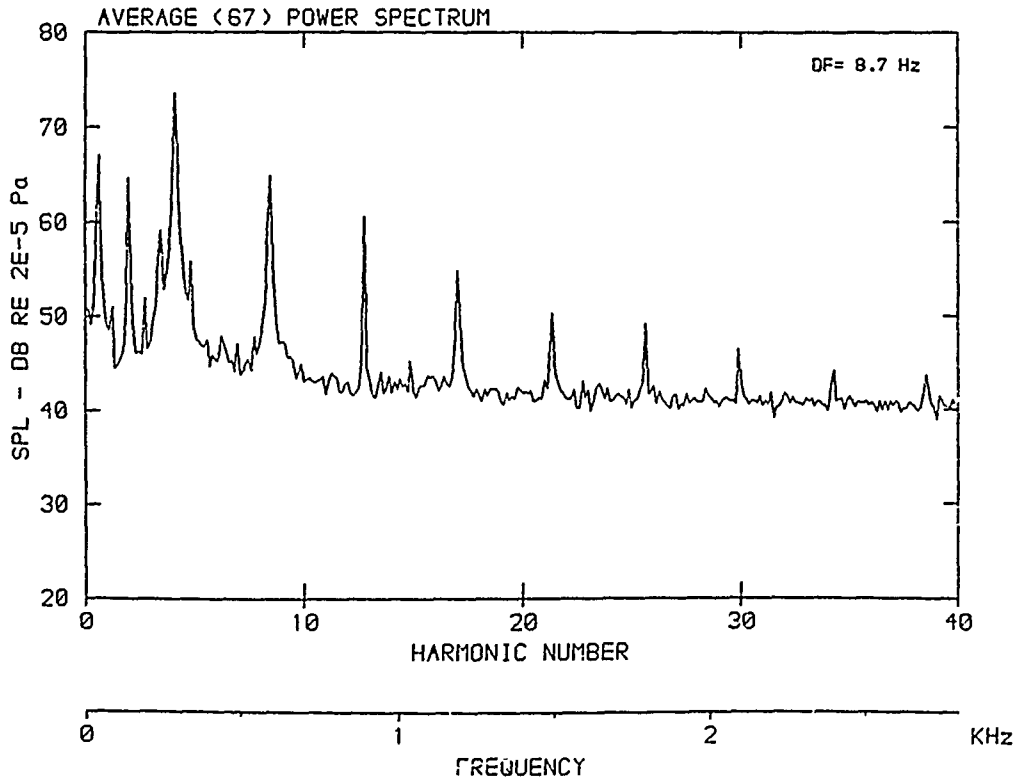




DATA POINT: BN-4 RUN: 54 MP: 6

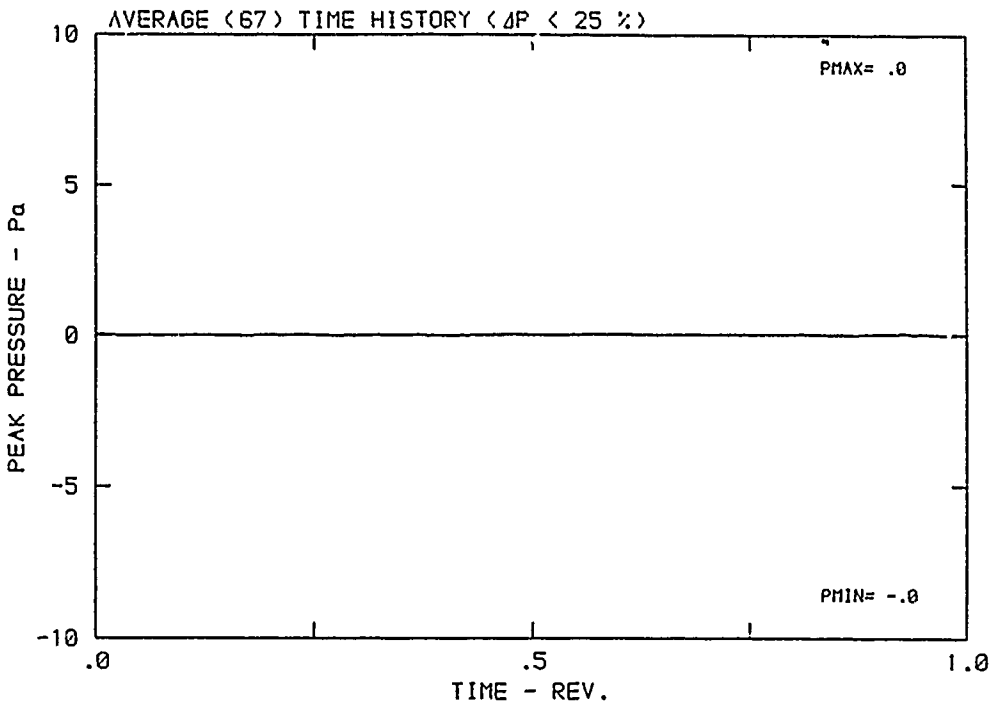
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

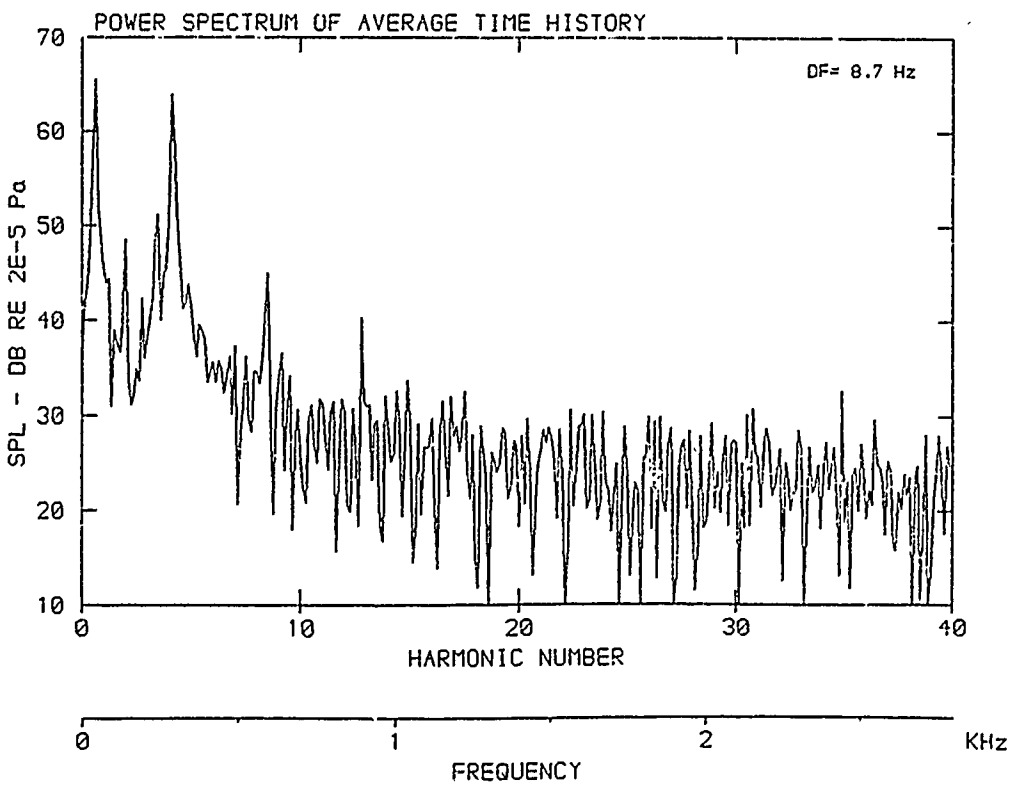




DATA POINT: BN-4	RUN: 54	MP: 6

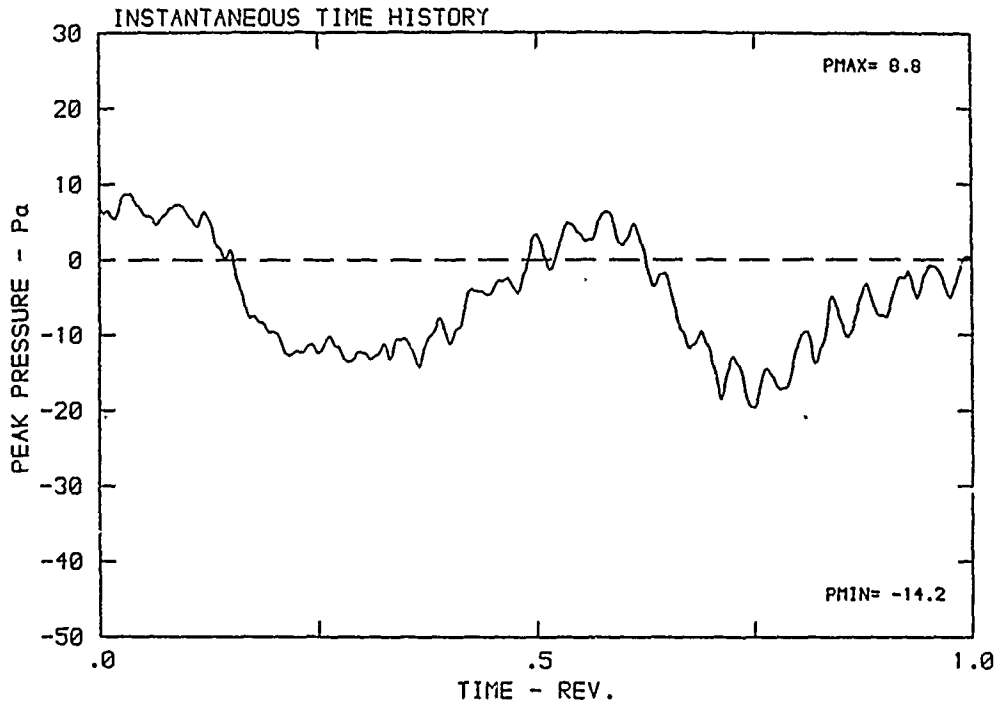
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ¢: .0° T: 288.7 K

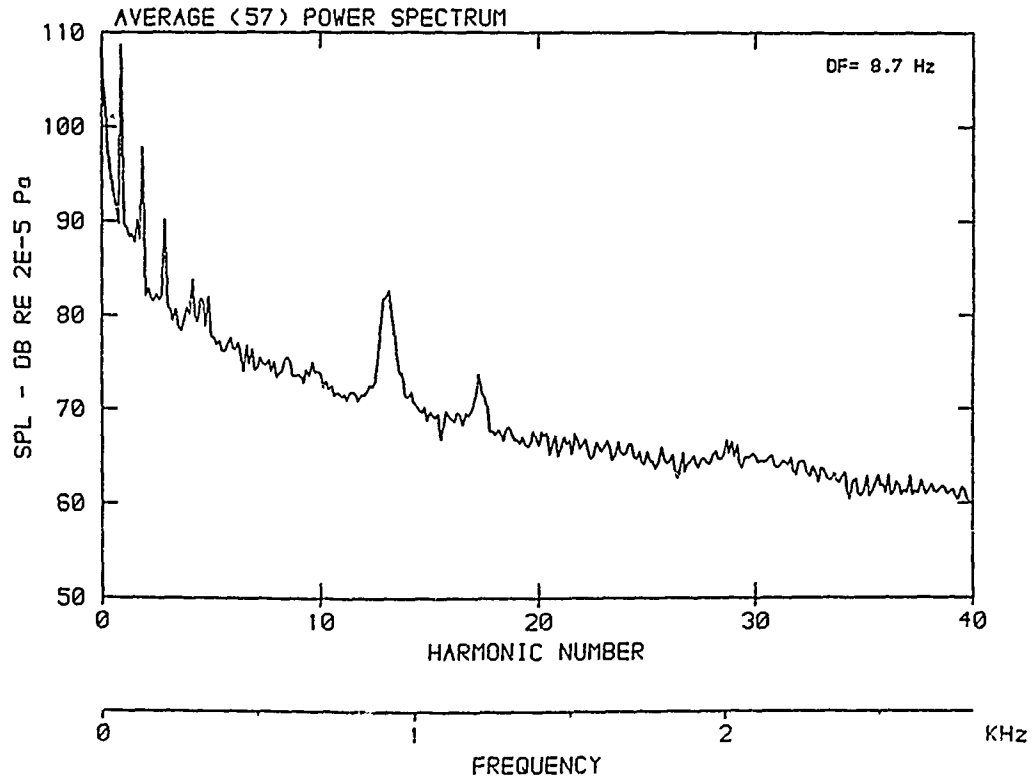




DATA POINT: BN-4 RUN: 54 MP: 7

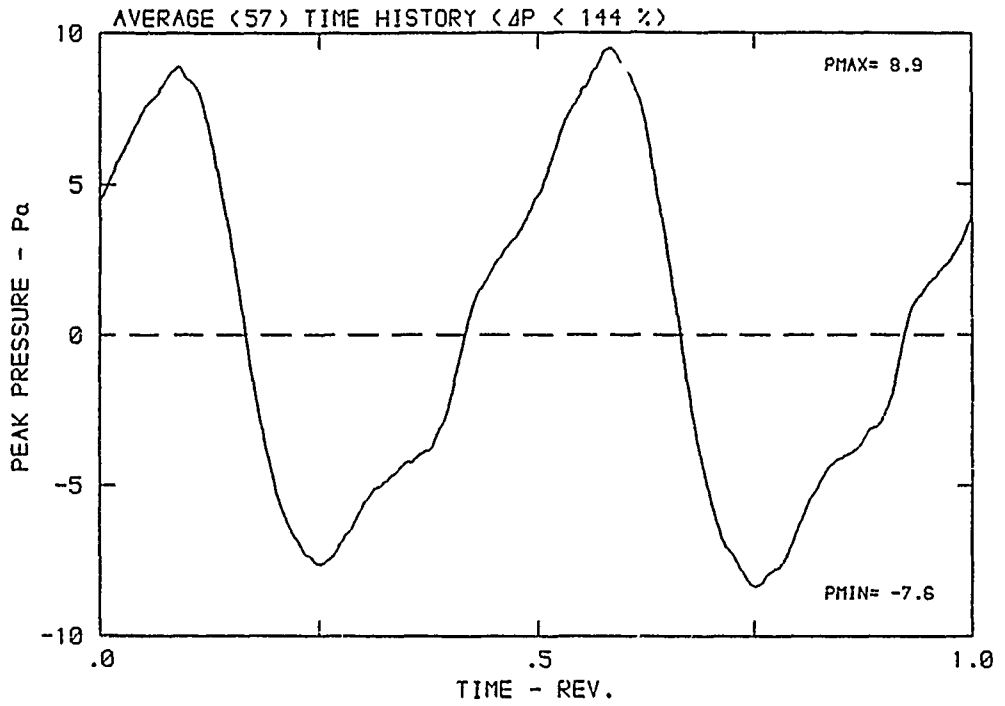
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

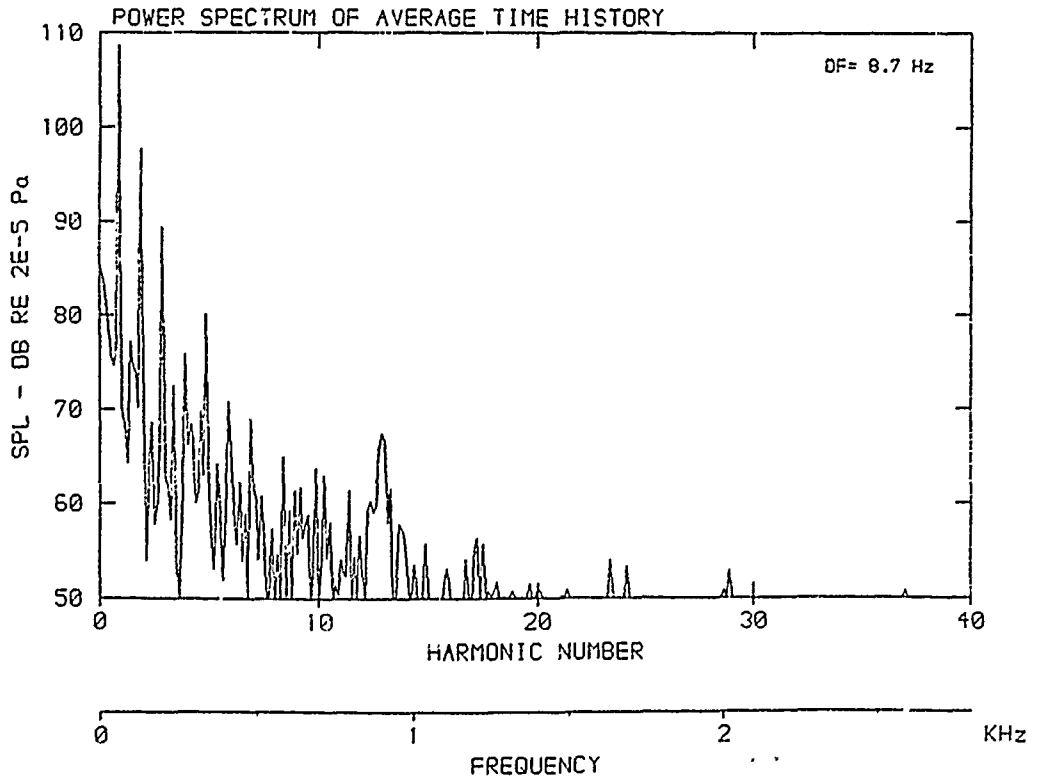




DATA POINT: BN-4	RUN: 54	MP: 7

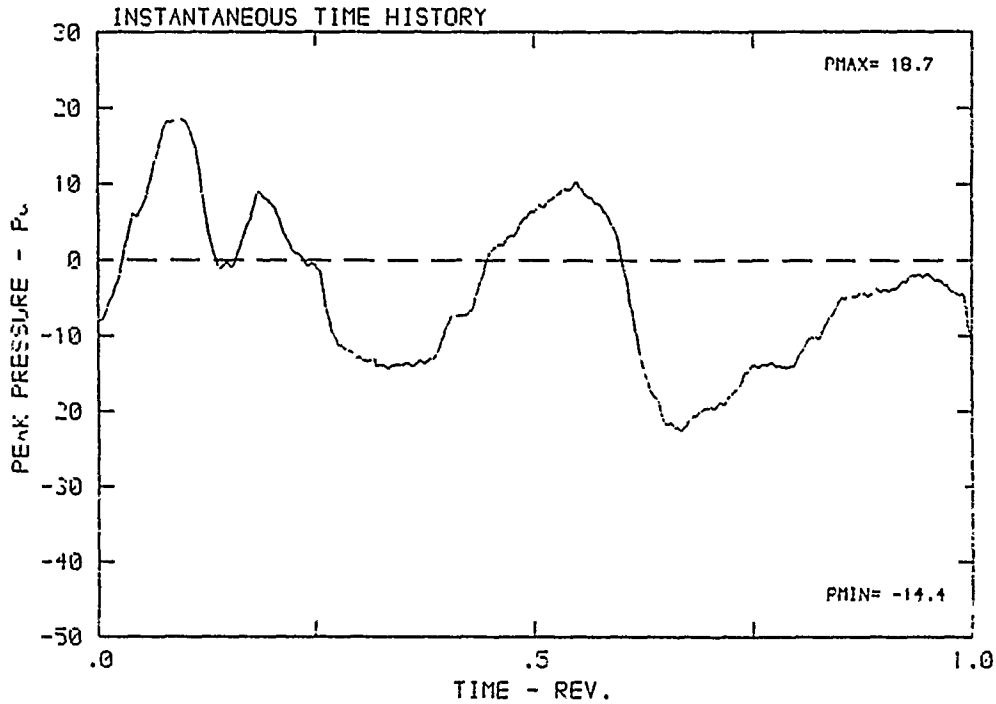
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

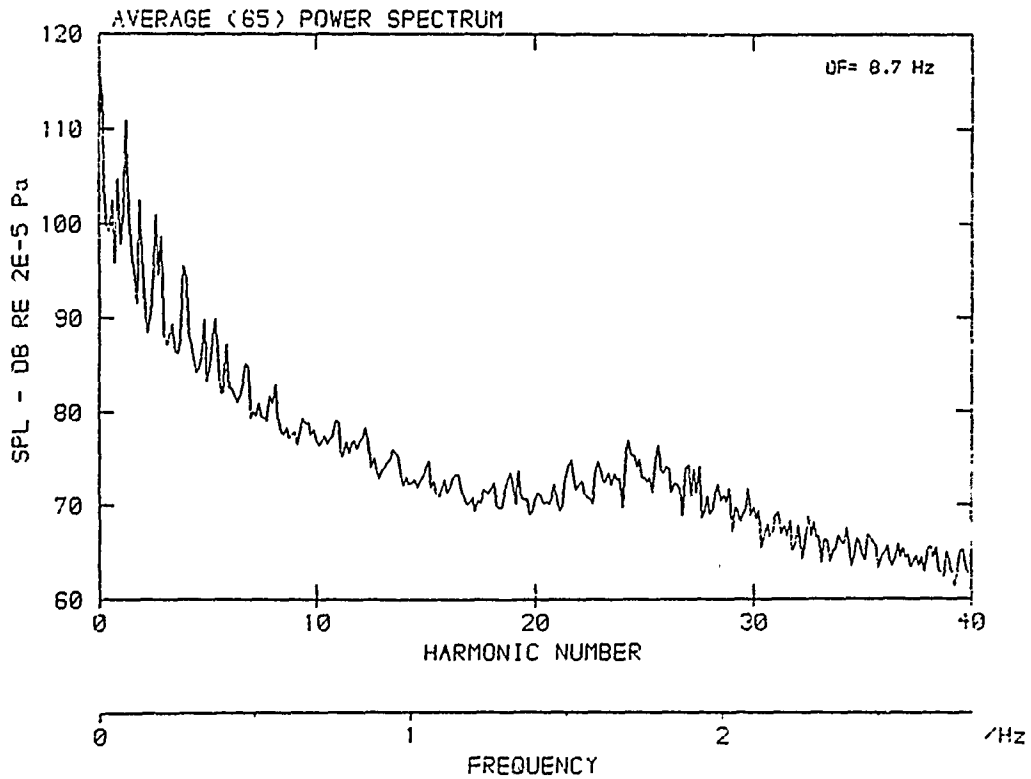




DATA POINT: BN-4 RUN: 54 MP: 8

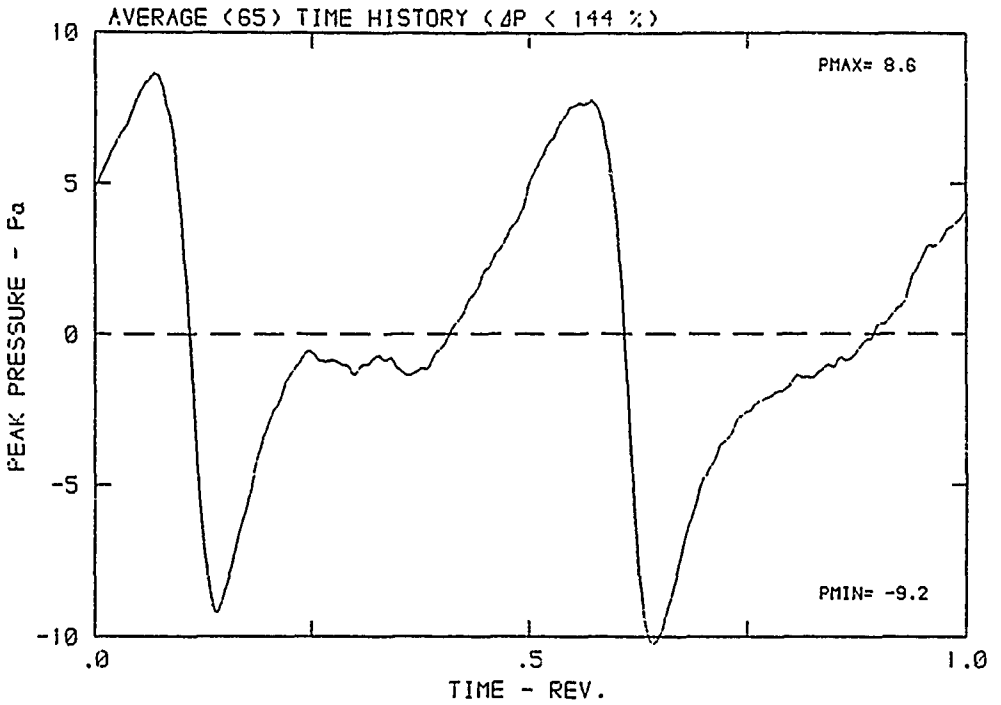
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

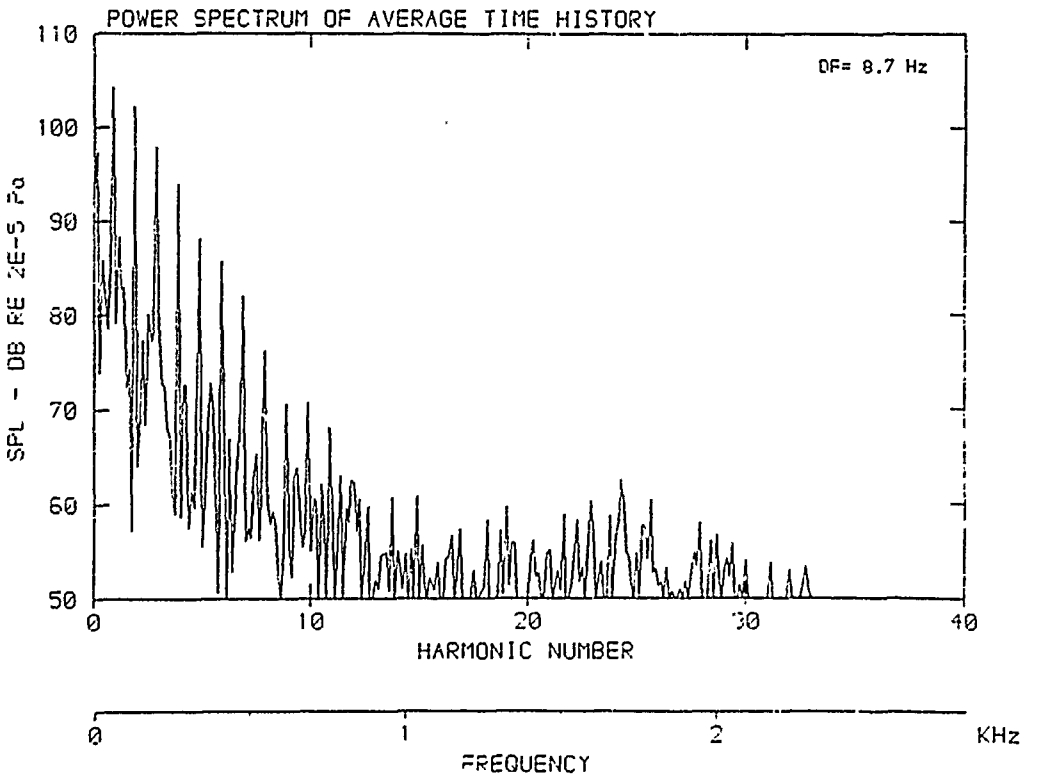




DATA POINT: BN-4	RUN: 54	MP: 8

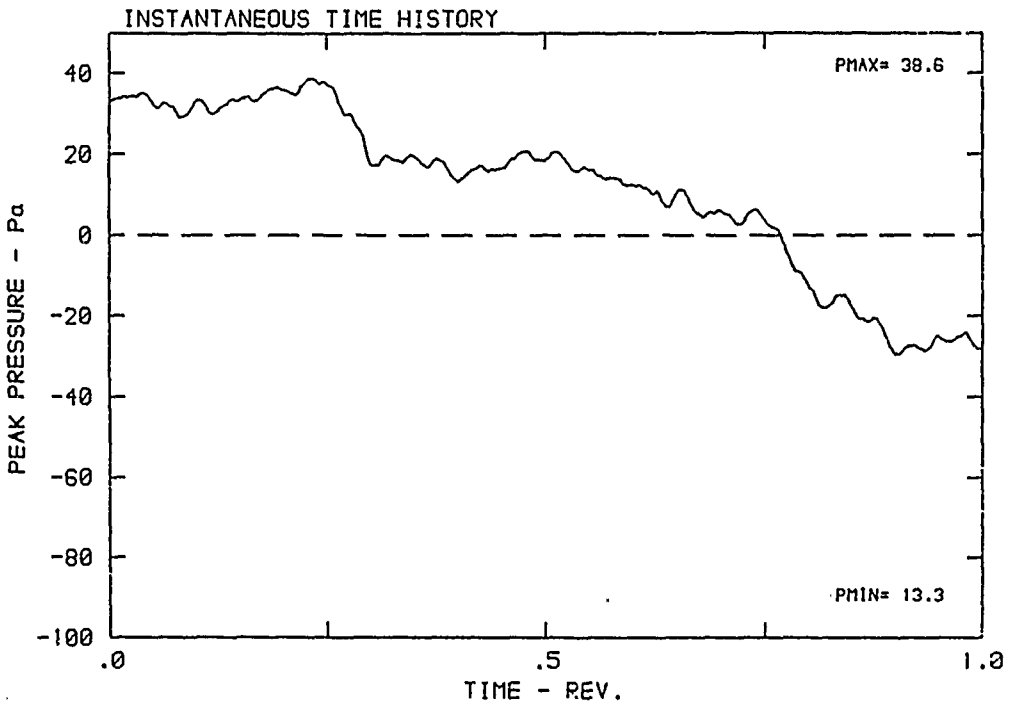
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

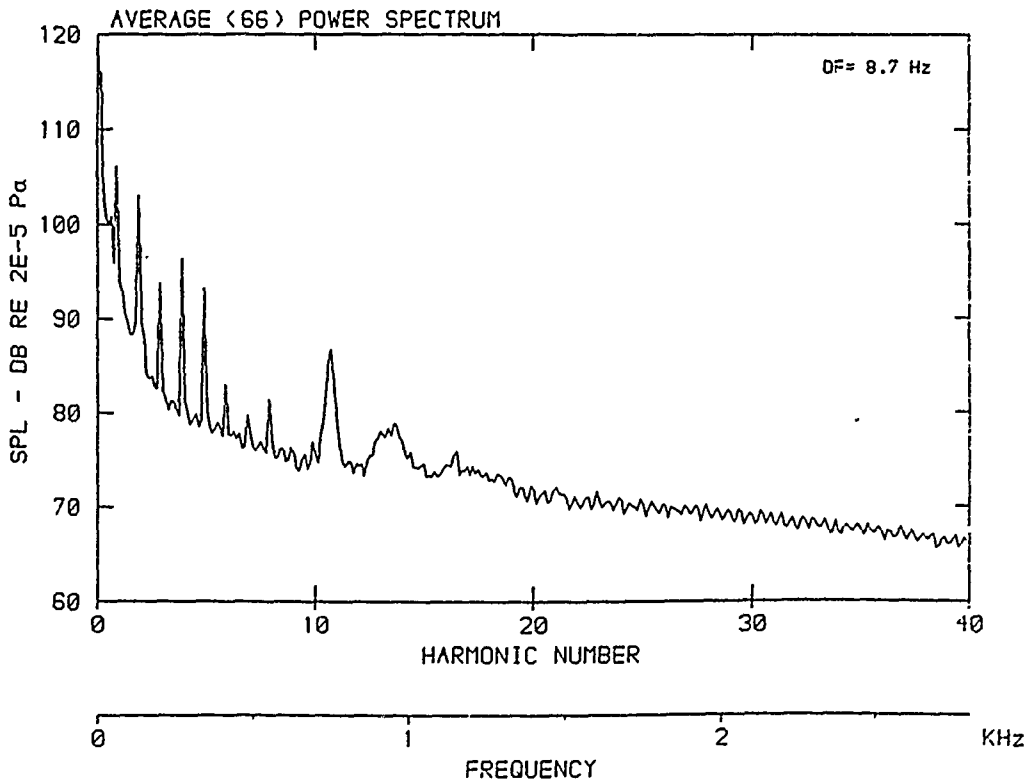




DATA POINT: BN-4 RUN: 54 MP: 9

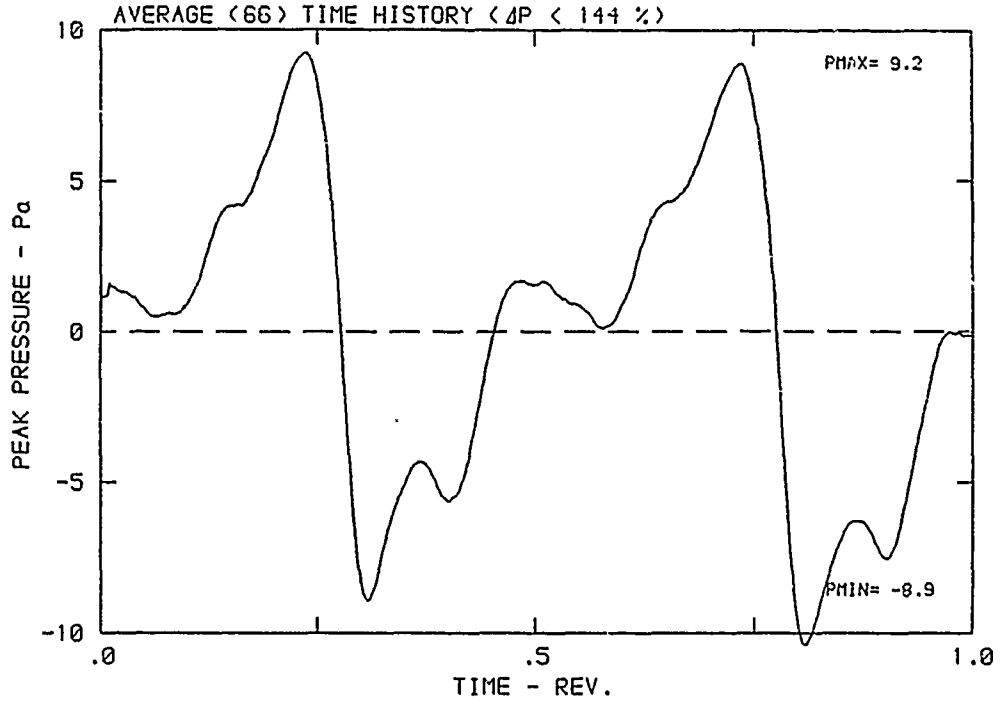
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ϕ: .0° T: 288.7 K

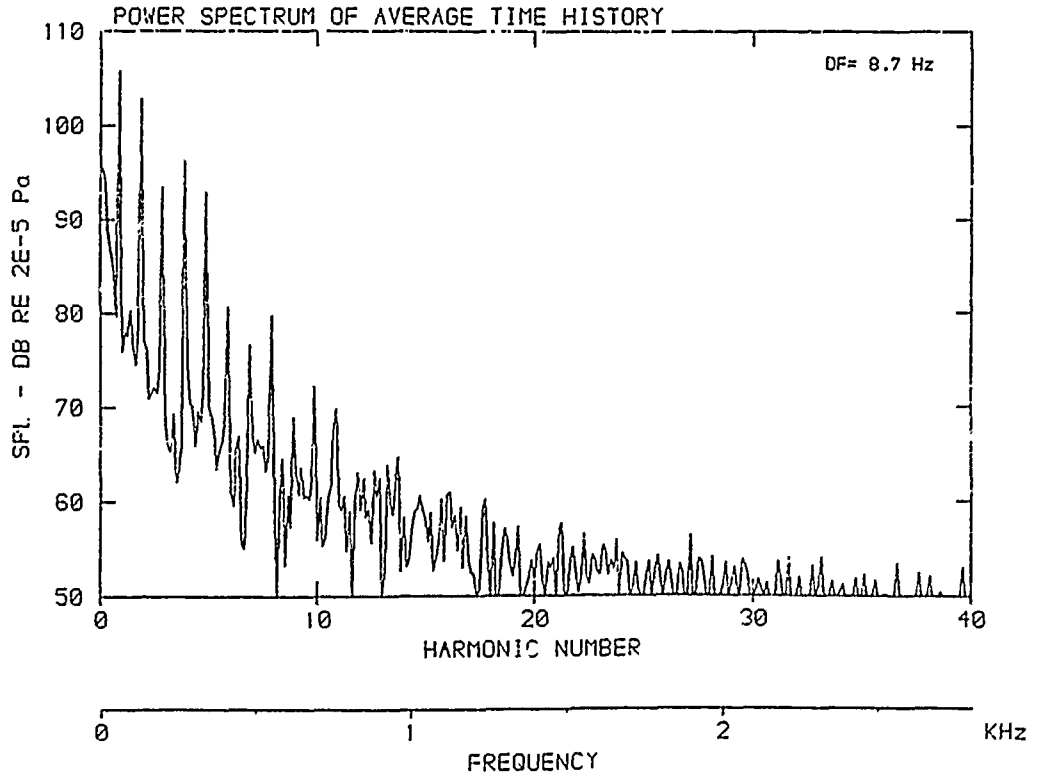




DATA POINT: BN-4	RUN: 54	MP: 9

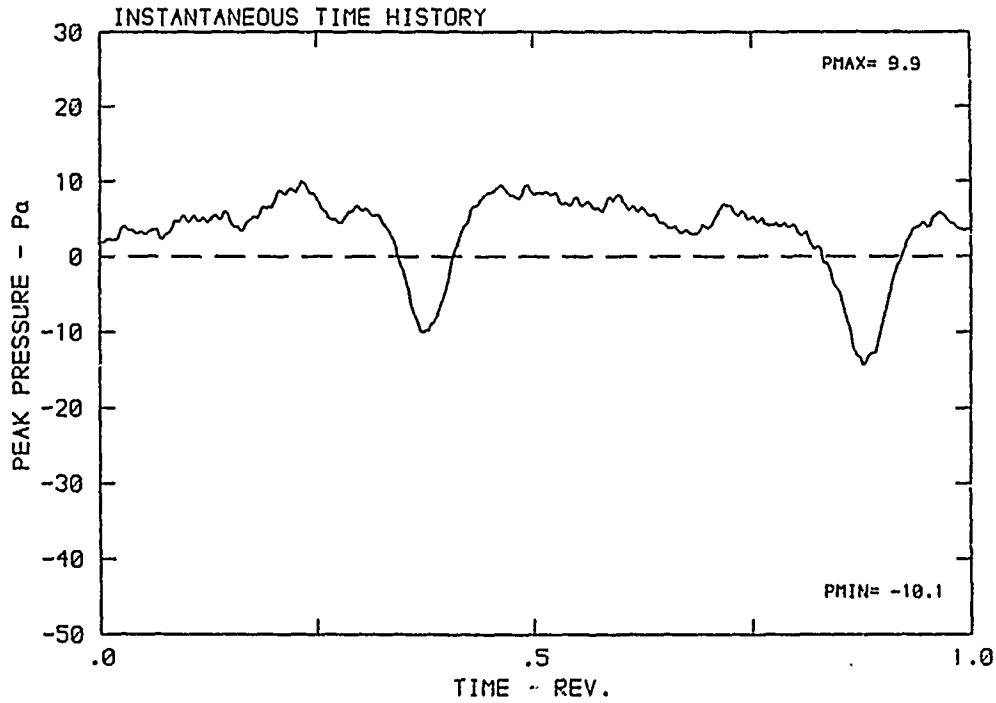
β: 19.9° MH: .6729 n: 2100 rpm v/u: .229 ρ: .0° T: 288.7 K

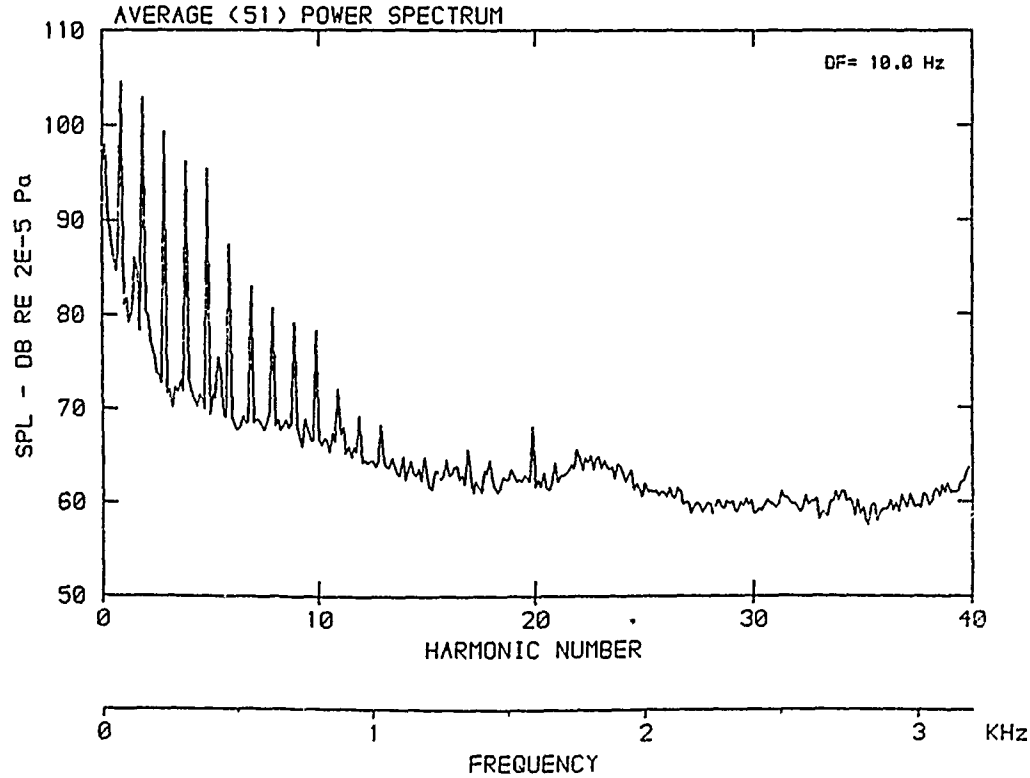




DATA POINT: BN-5 RUN: 53 MP: 1

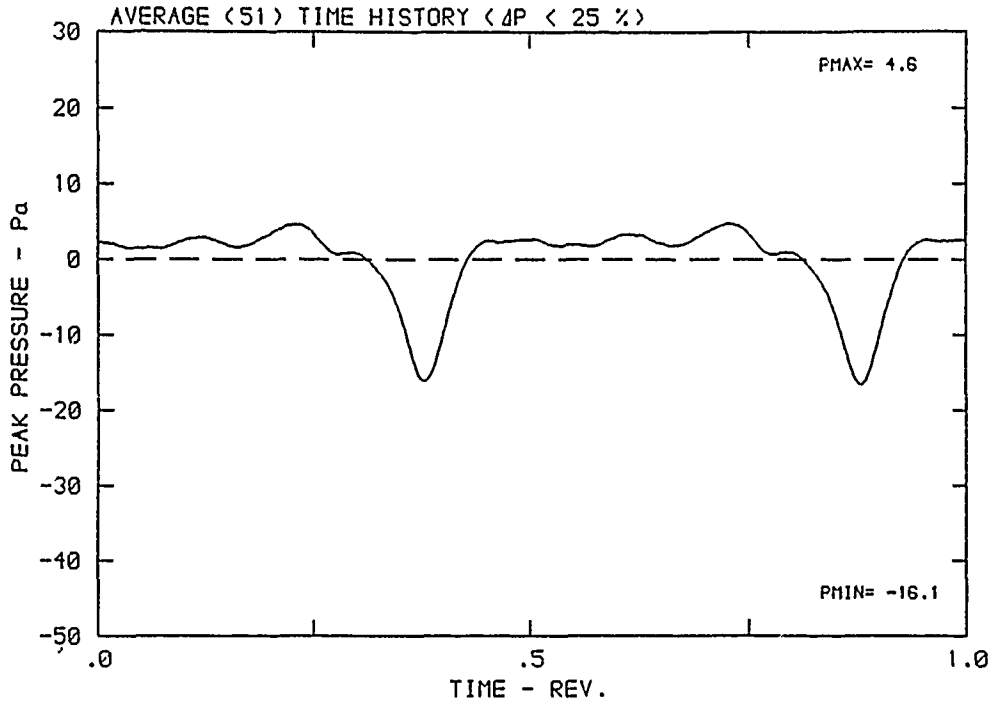
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

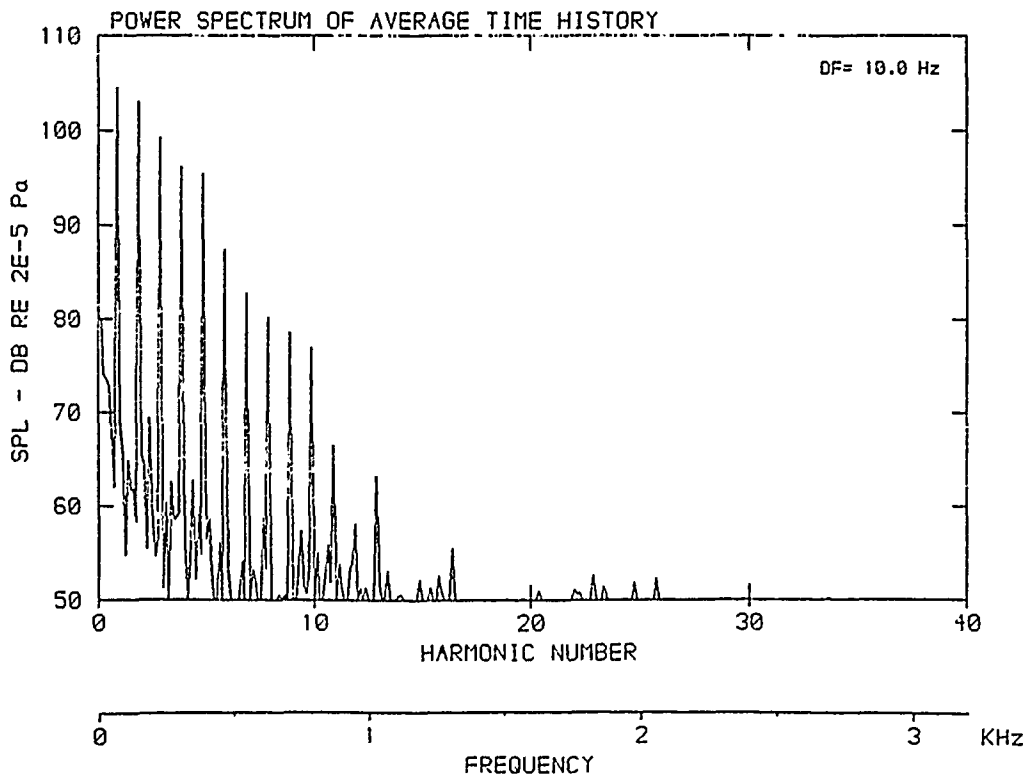




DATA POINT: BN-5 RUN: 53 MP: 1

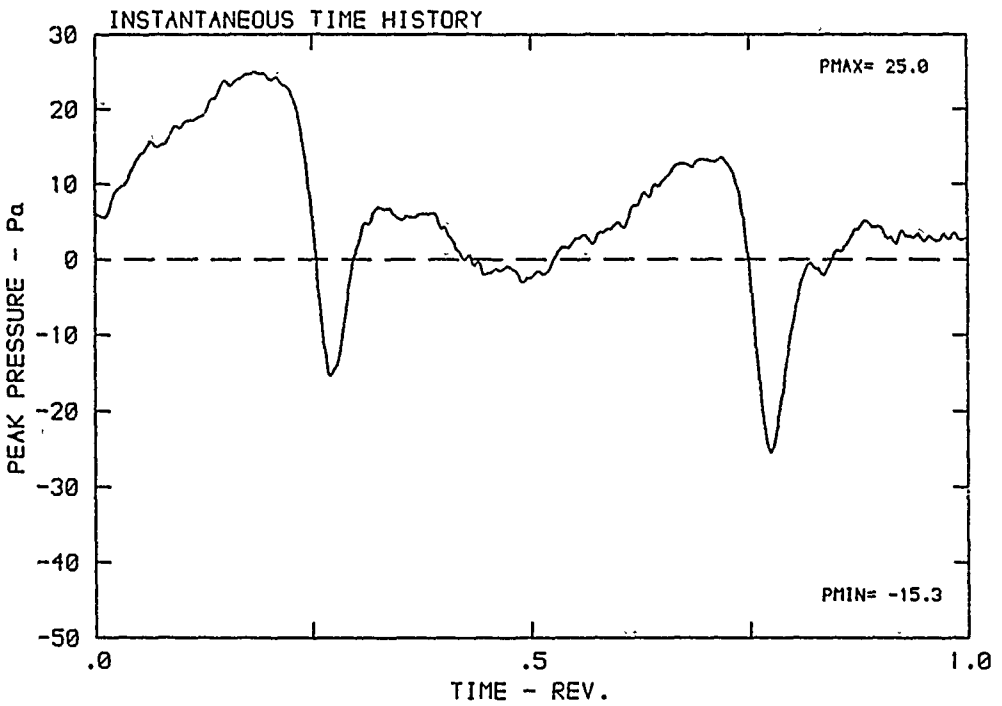
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

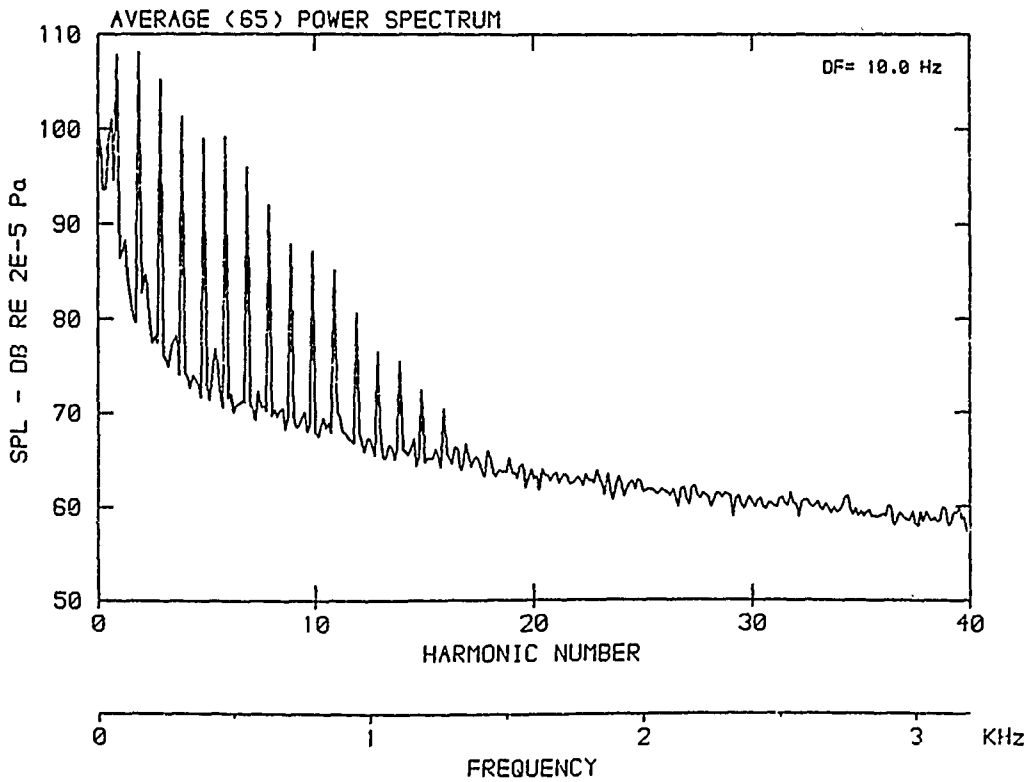




DATA POINT: BN-5 RUN: 53 MP: 2

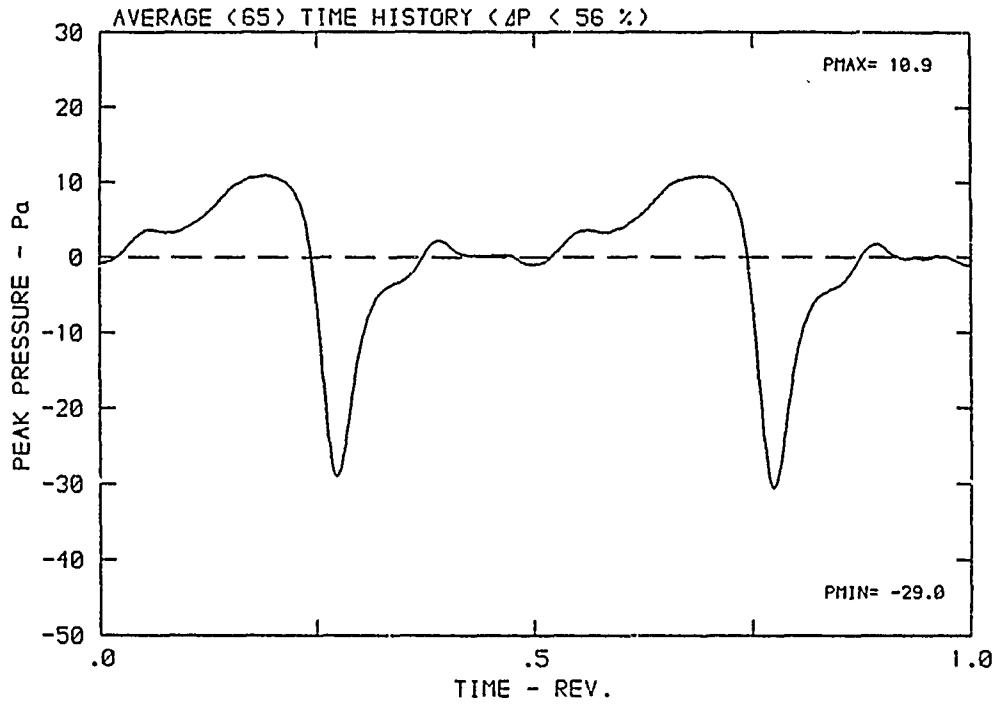
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

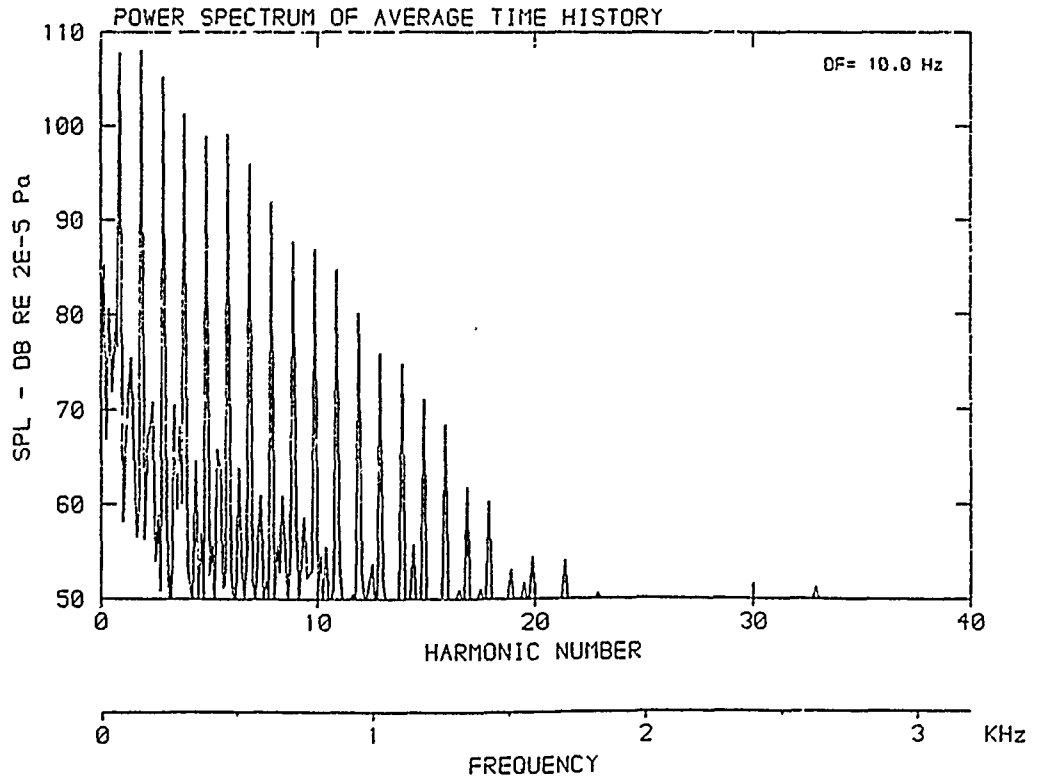




DATA POINT: BN-5 RUN: 53 MP: 2

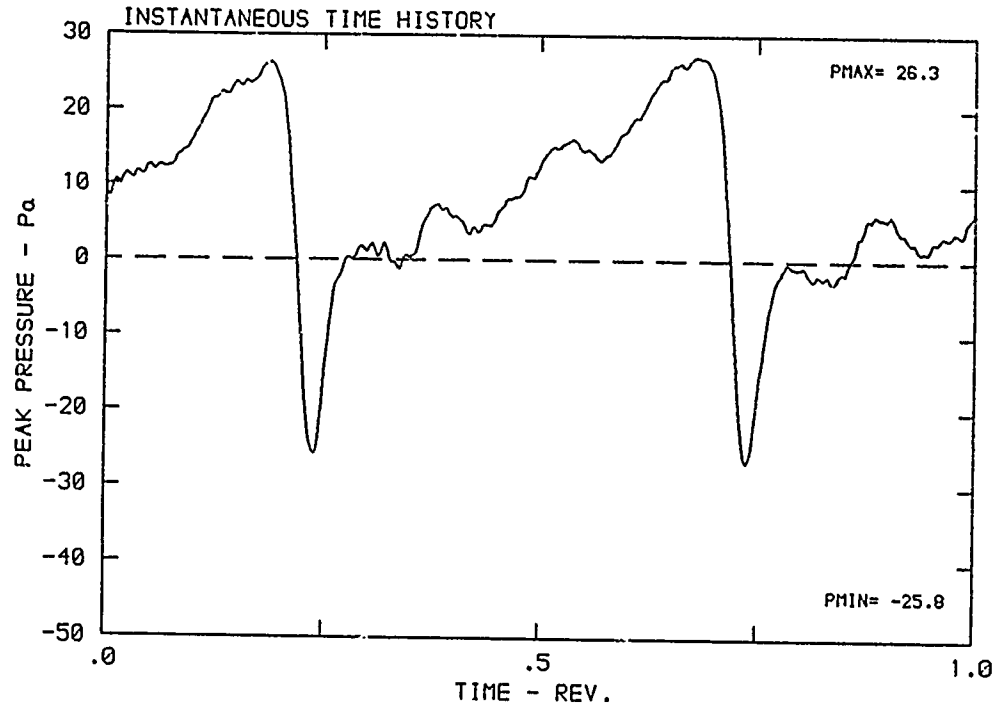
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

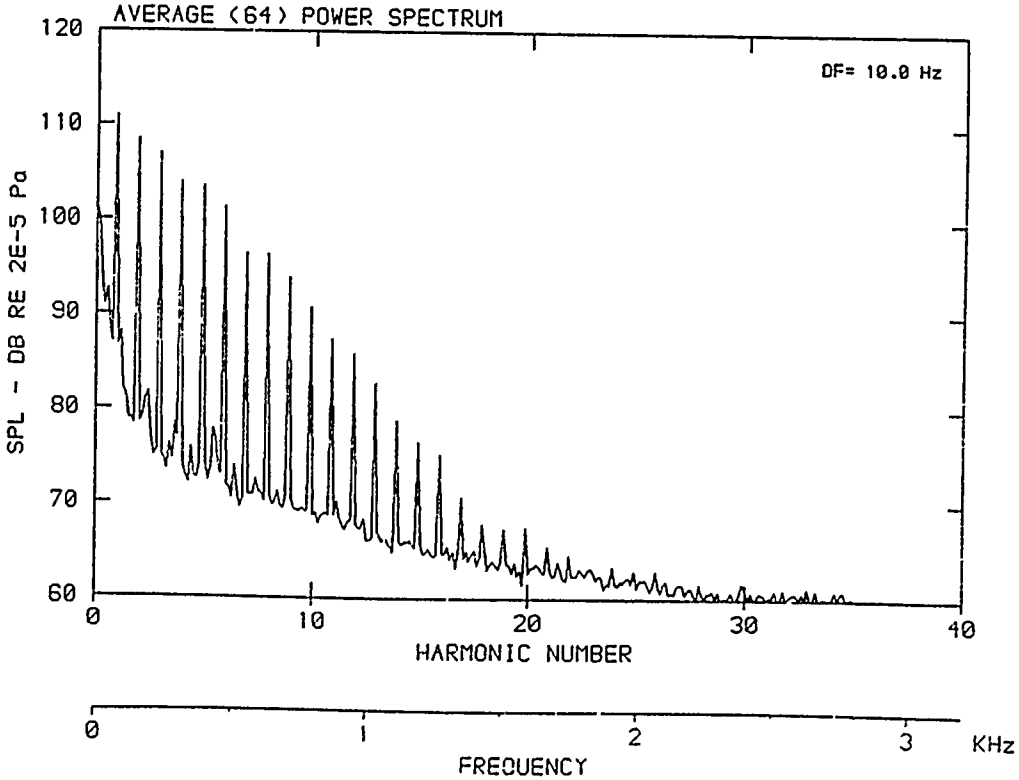




DATA POINT: BN-5 RUN: 53 MP: 3

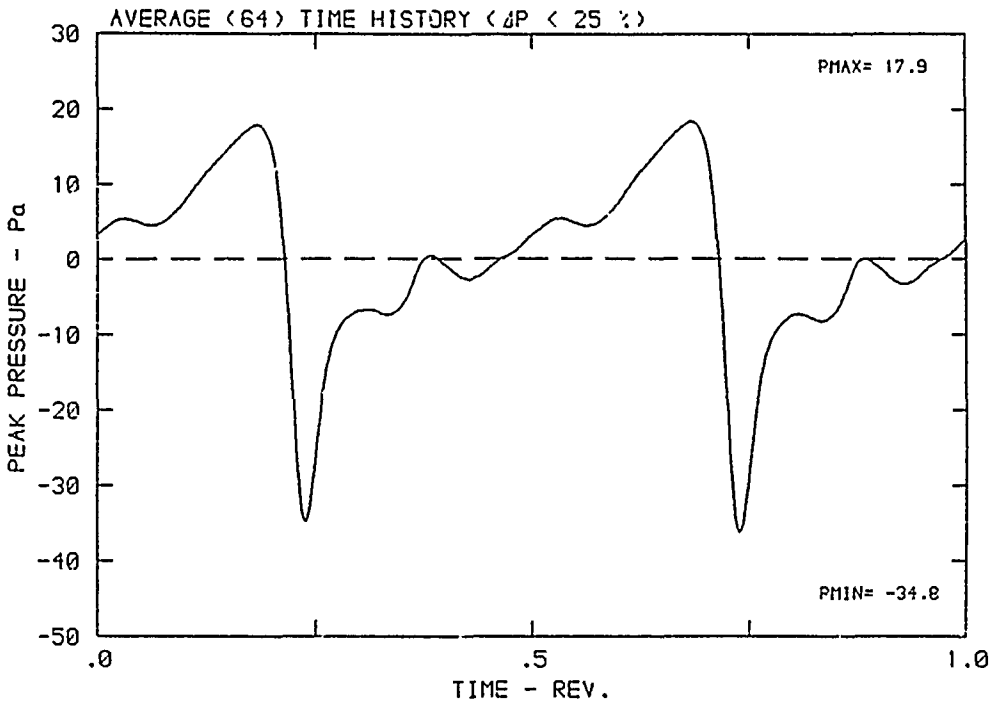
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

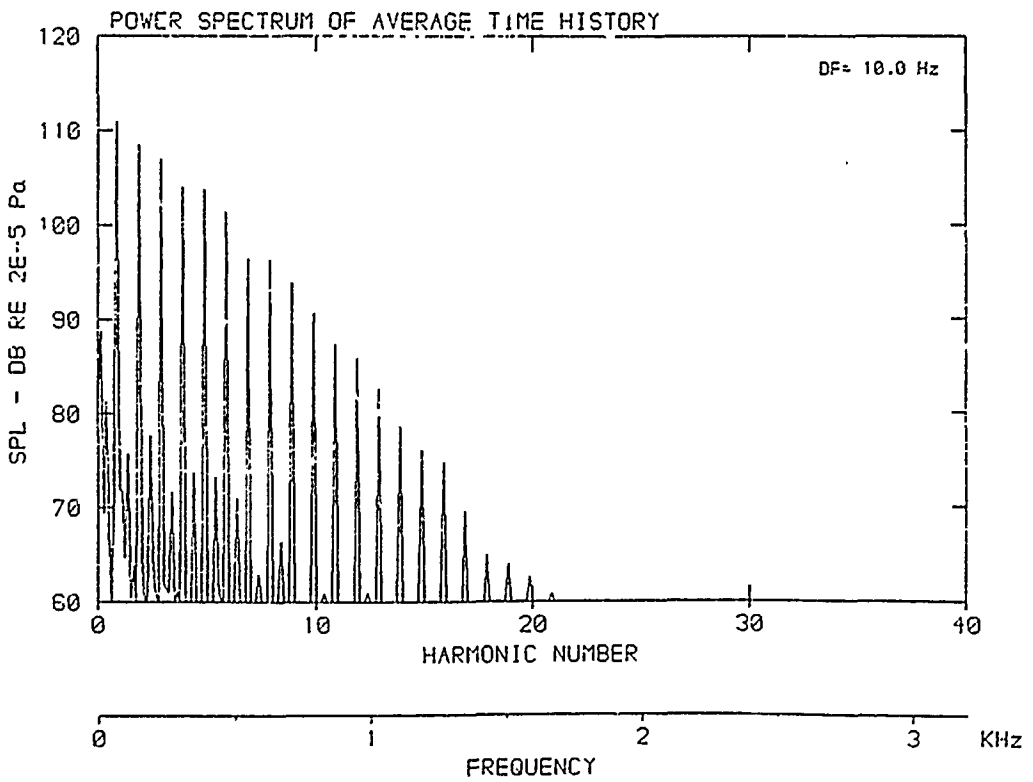




DATA POINT: BN-5 RUN: 53 MP: 3

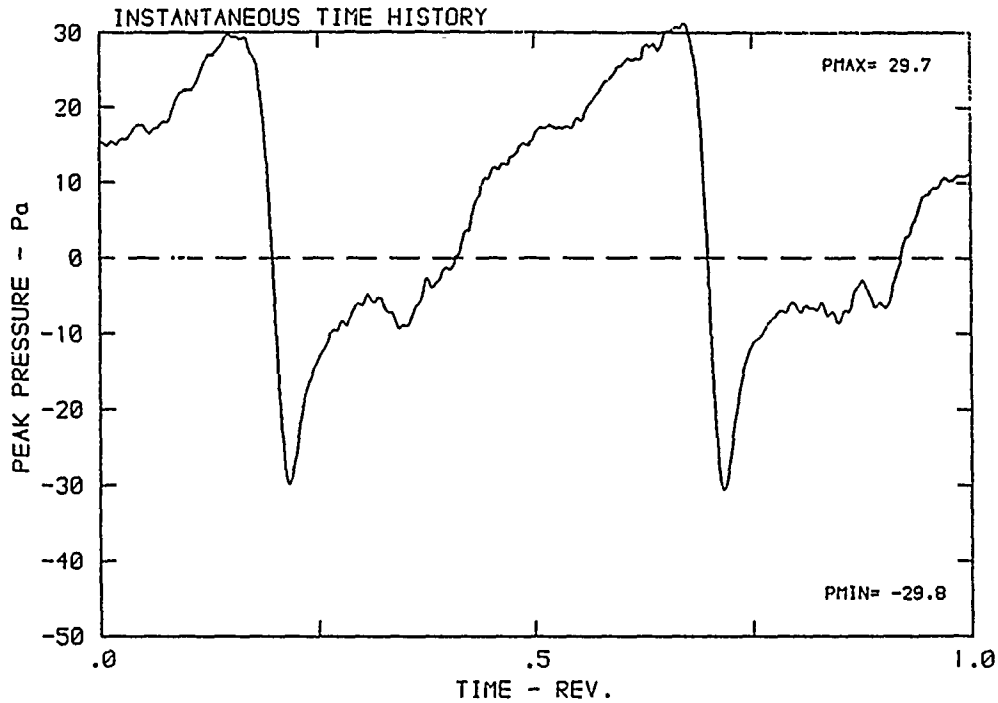
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

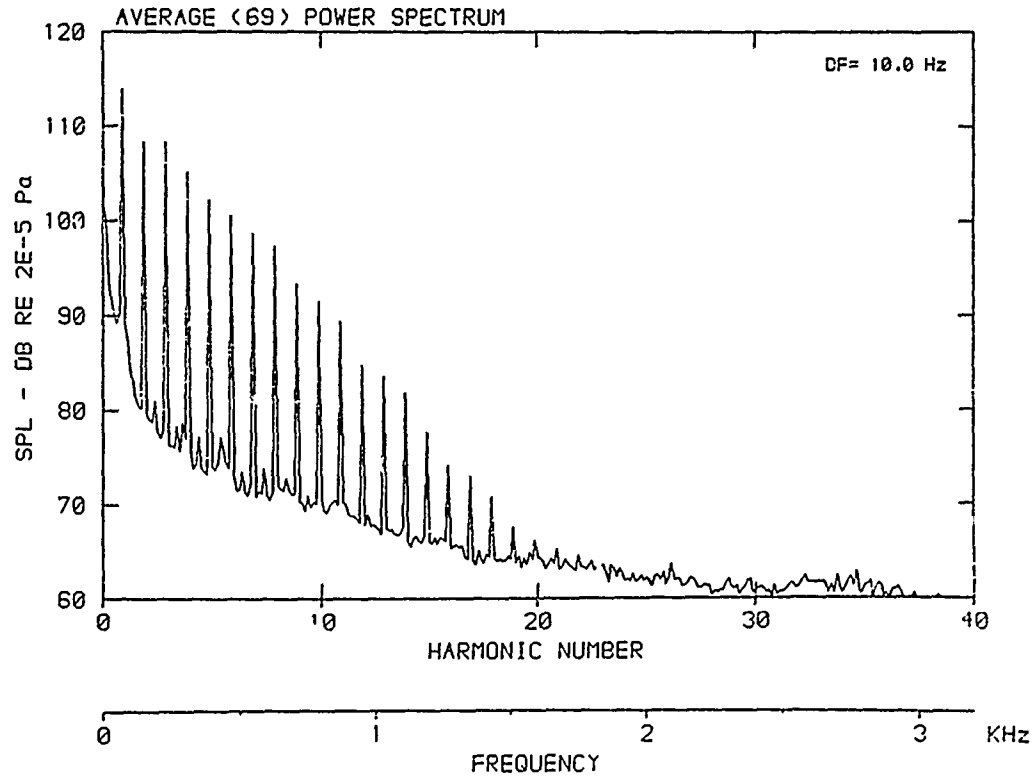




DATA POINT: BN-5 RUN: 53 MP: 4

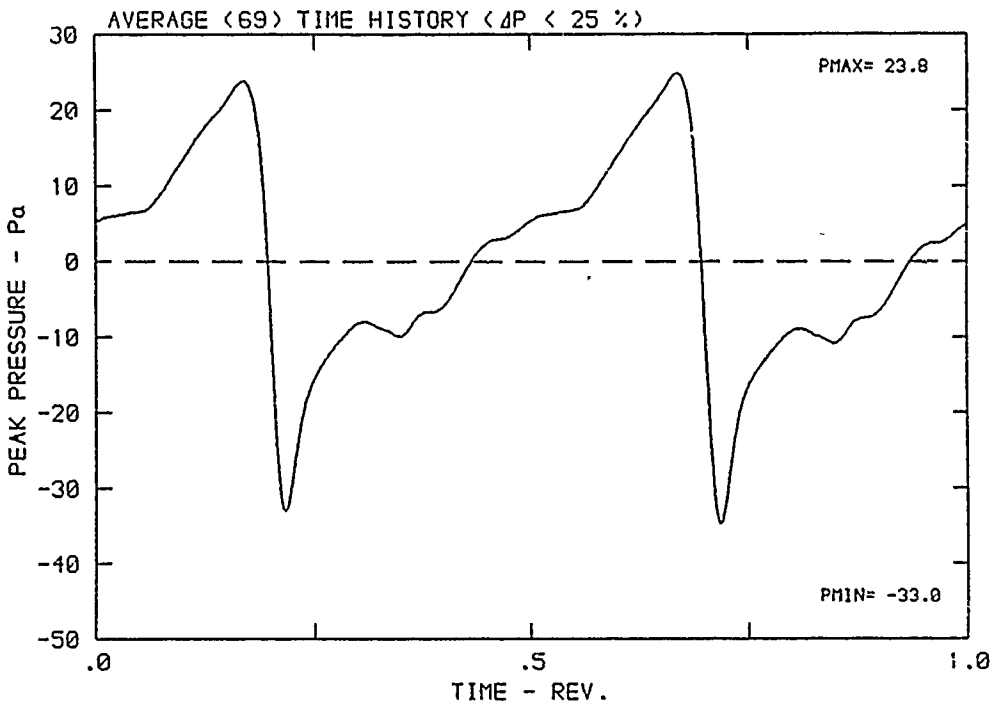
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

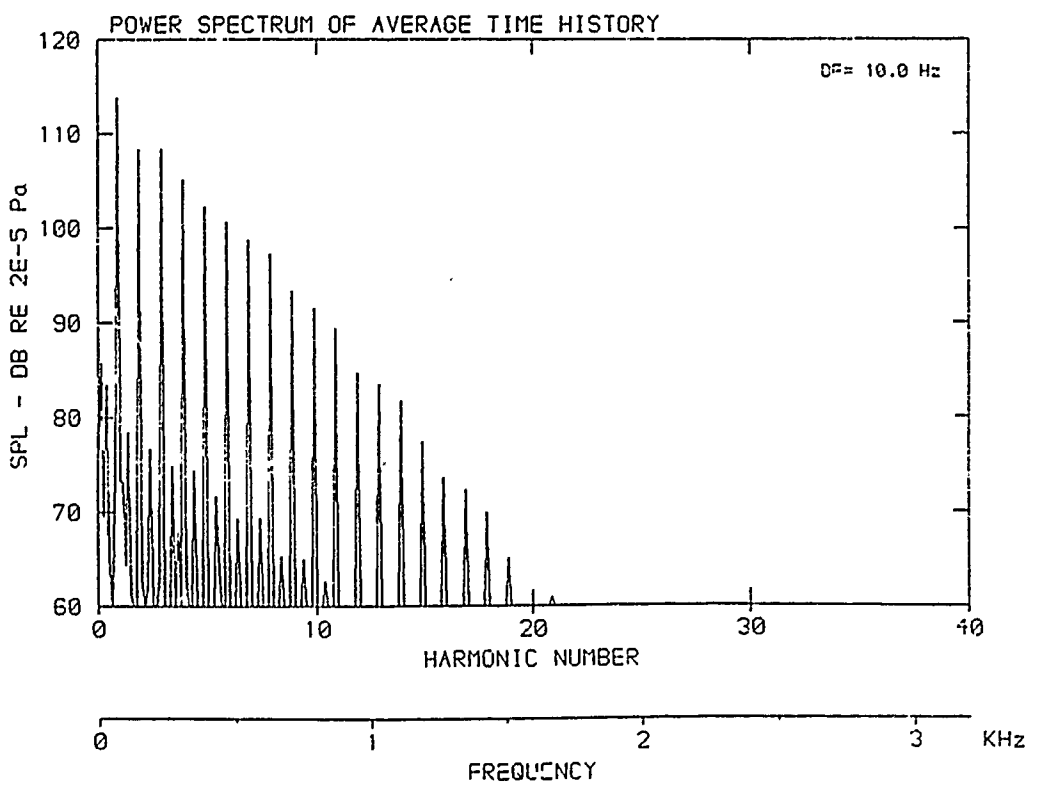




DATA POINT: BN-5	RUN: 53	MP: 4

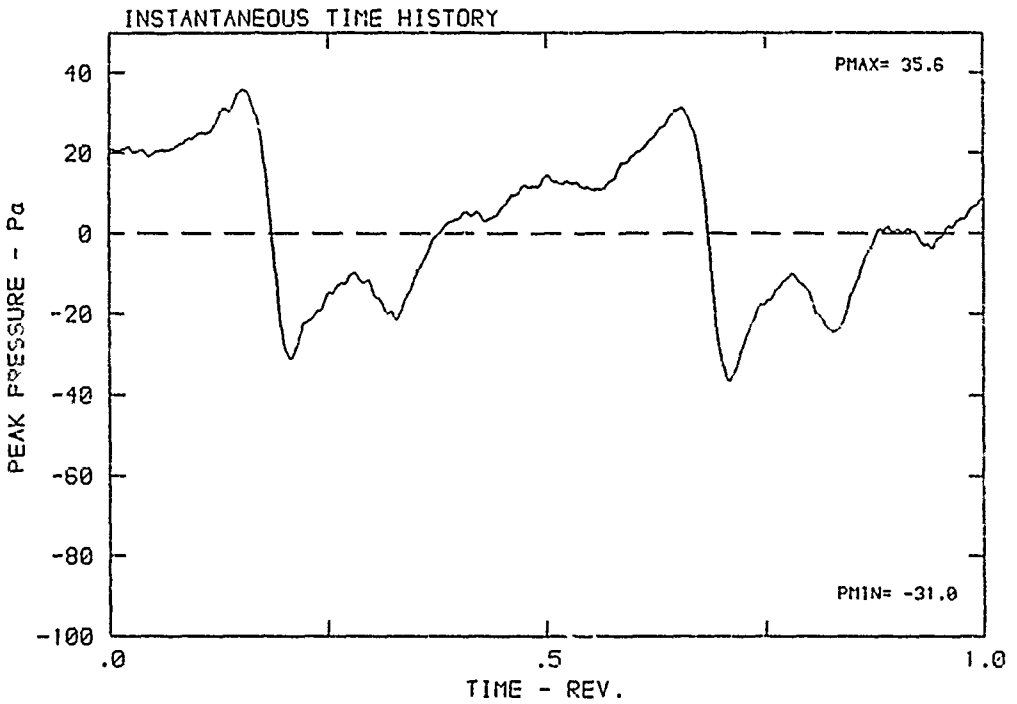
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

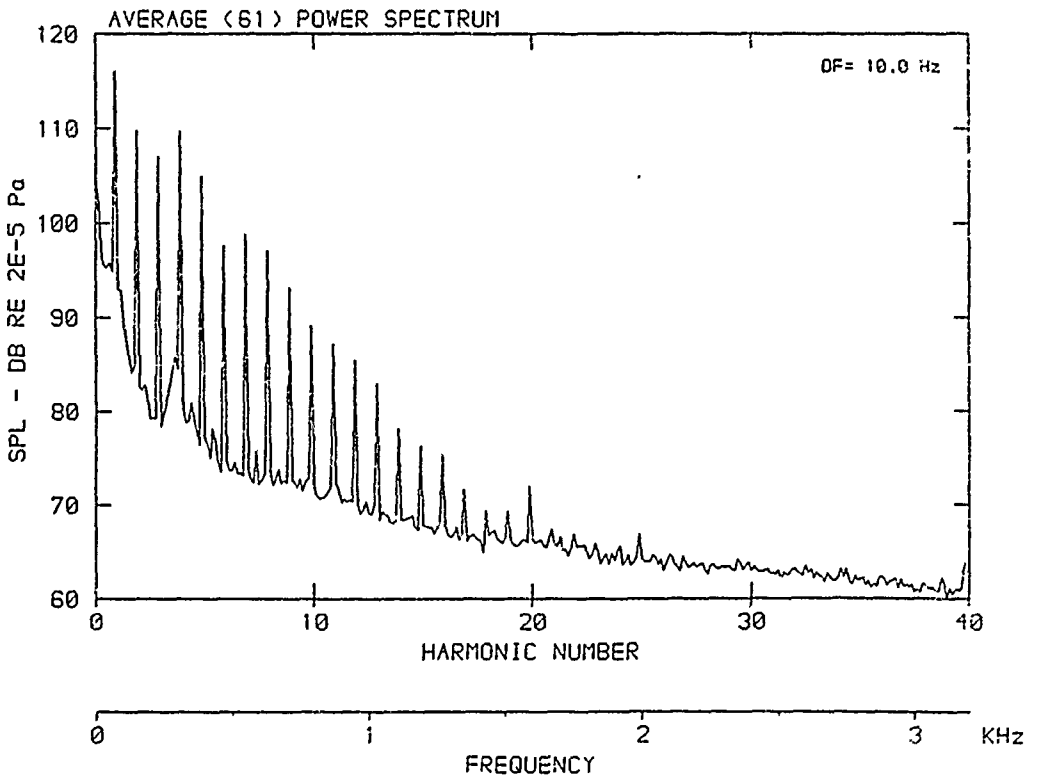




DATA POINT: BN-5 RUN: 52 MP: 5

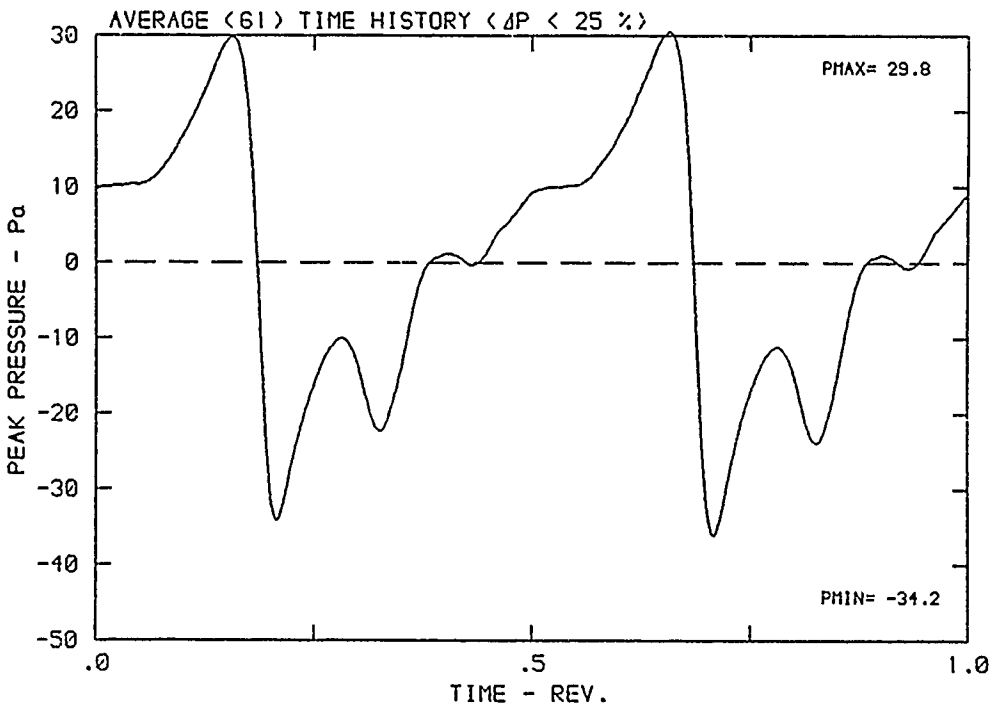
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 φ: .0° T: 289.3 K

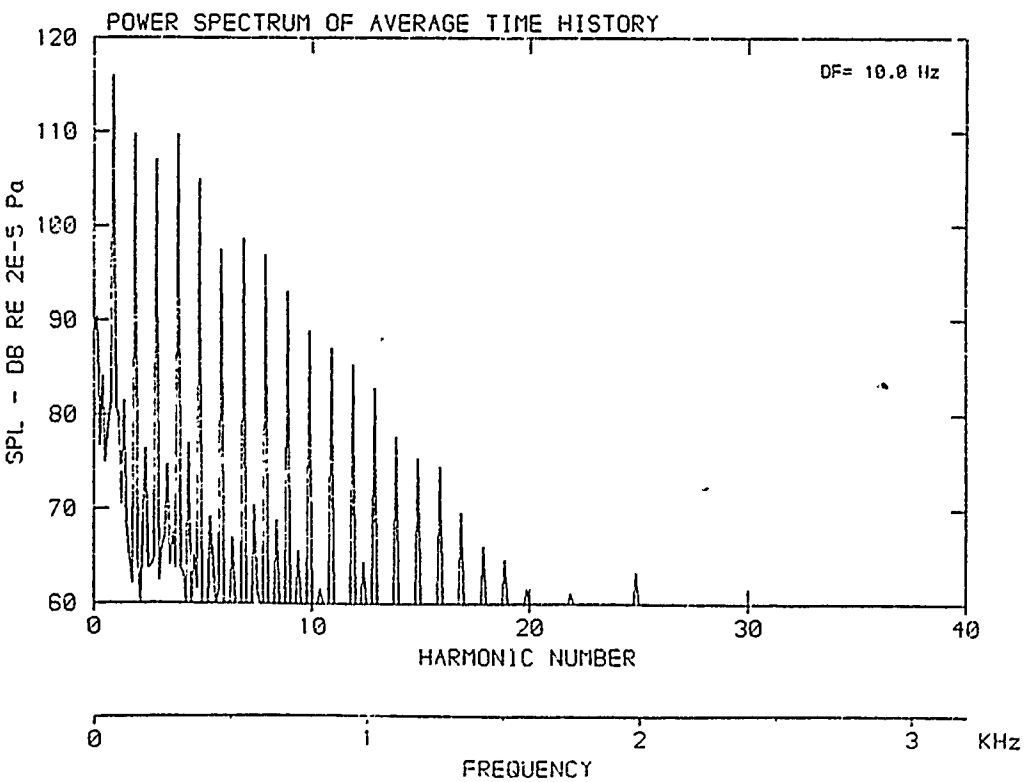




DATA POINT: BN-5 RUN: 53 MP: 5

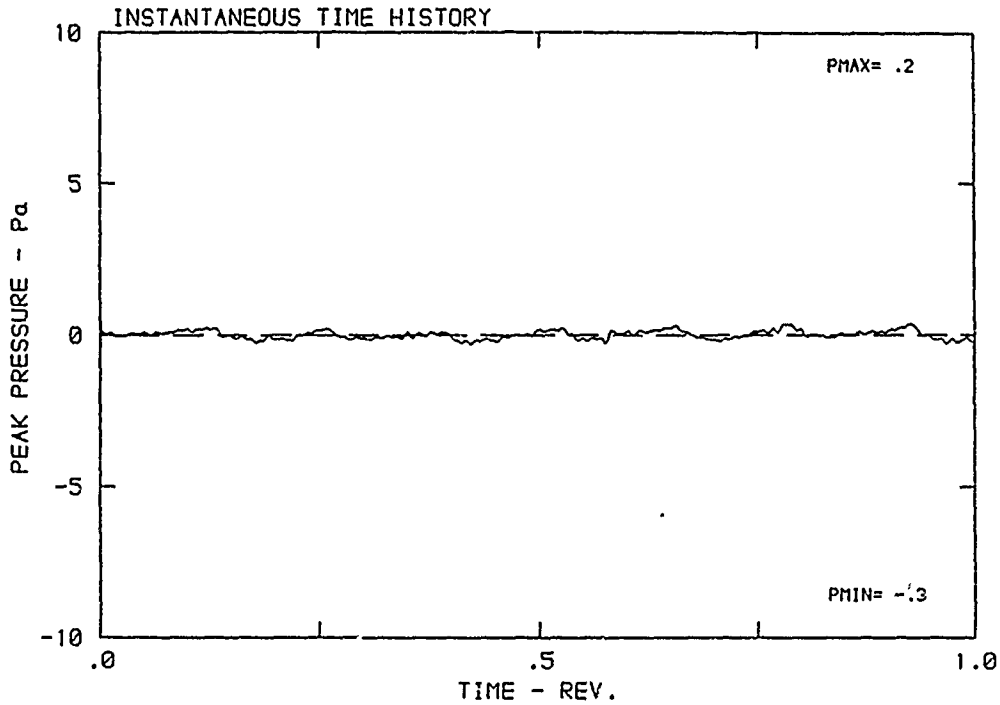
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

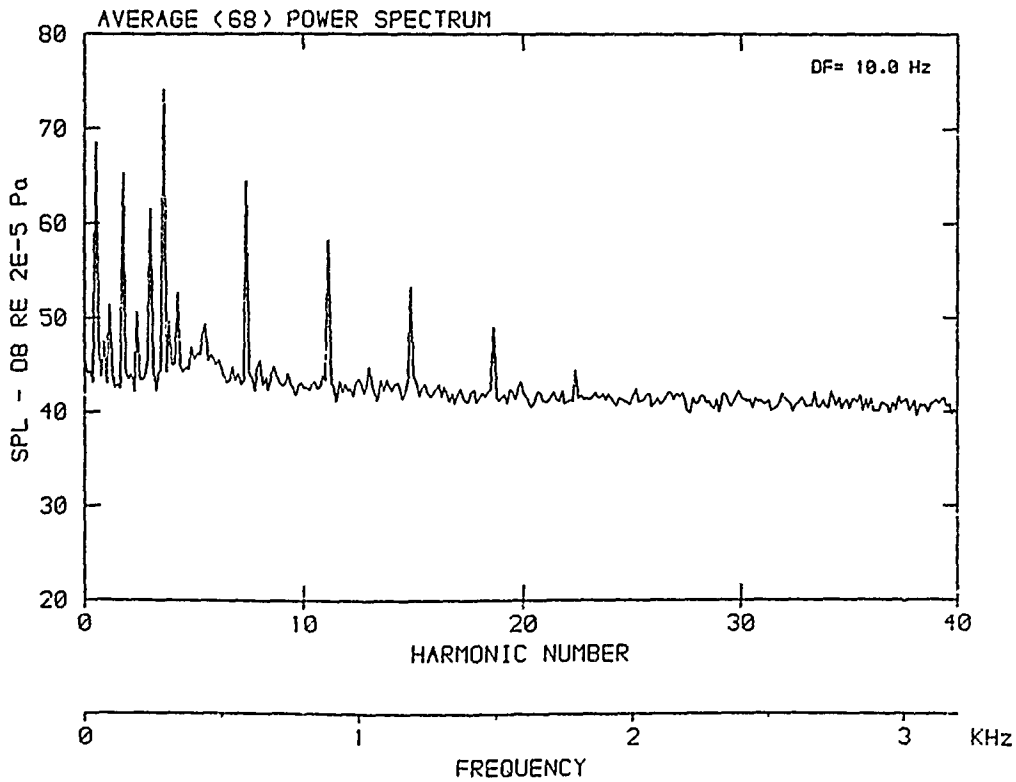




DATA POINT: BN-5 RUN: 53 MP: 6

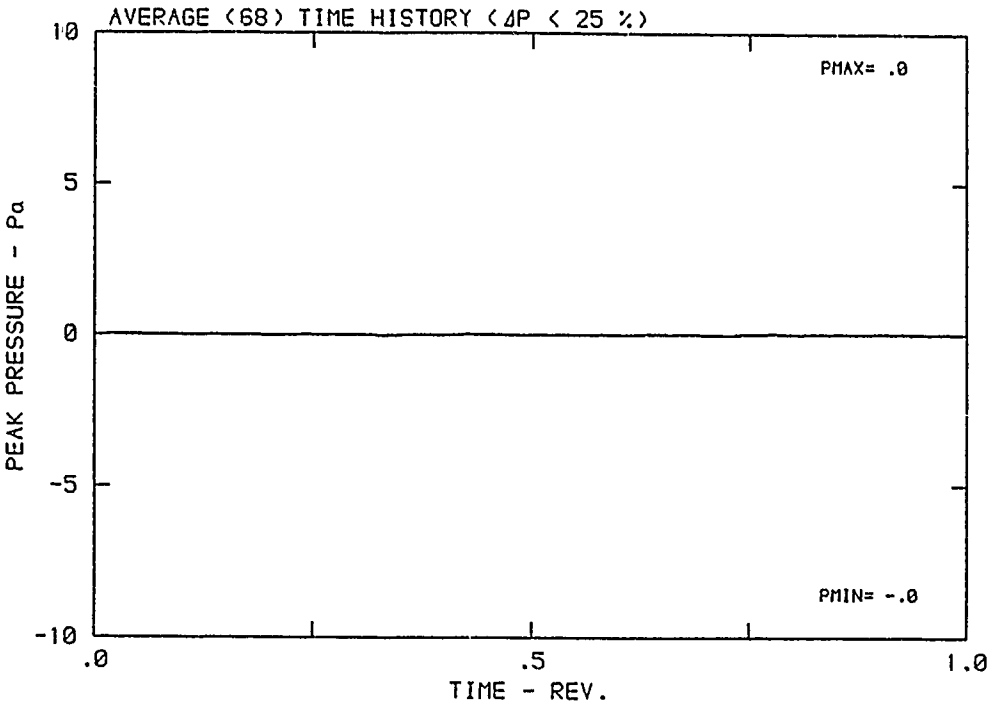
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

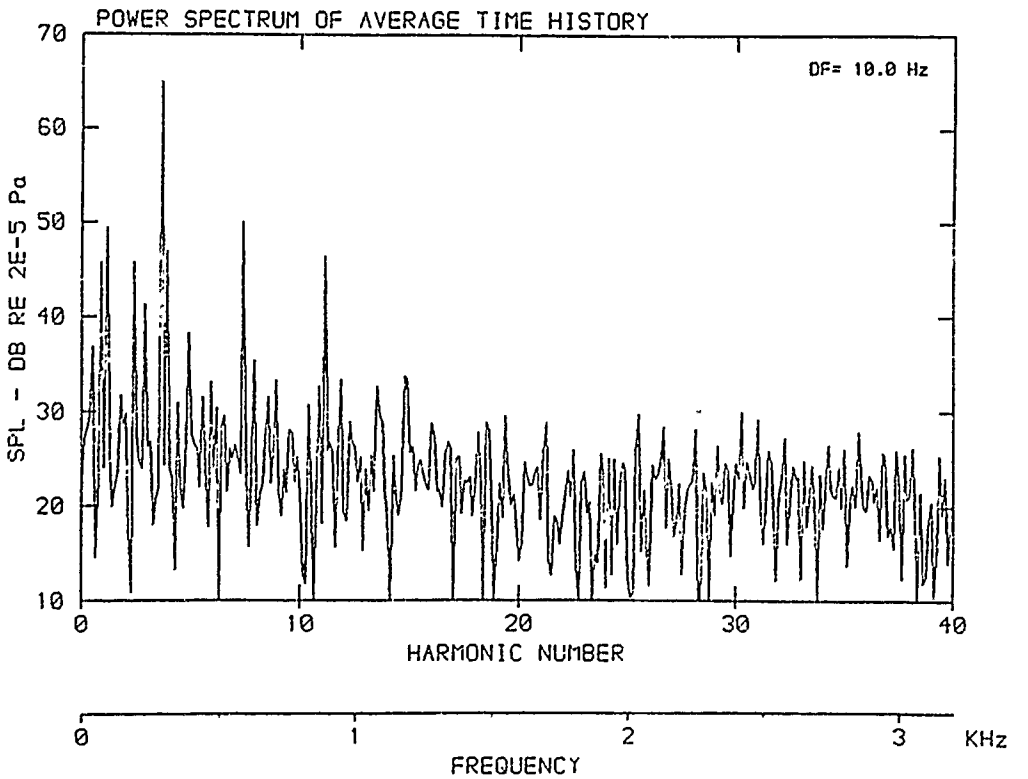




DATA POINT: BN-5 RUN: 53 MP: 6

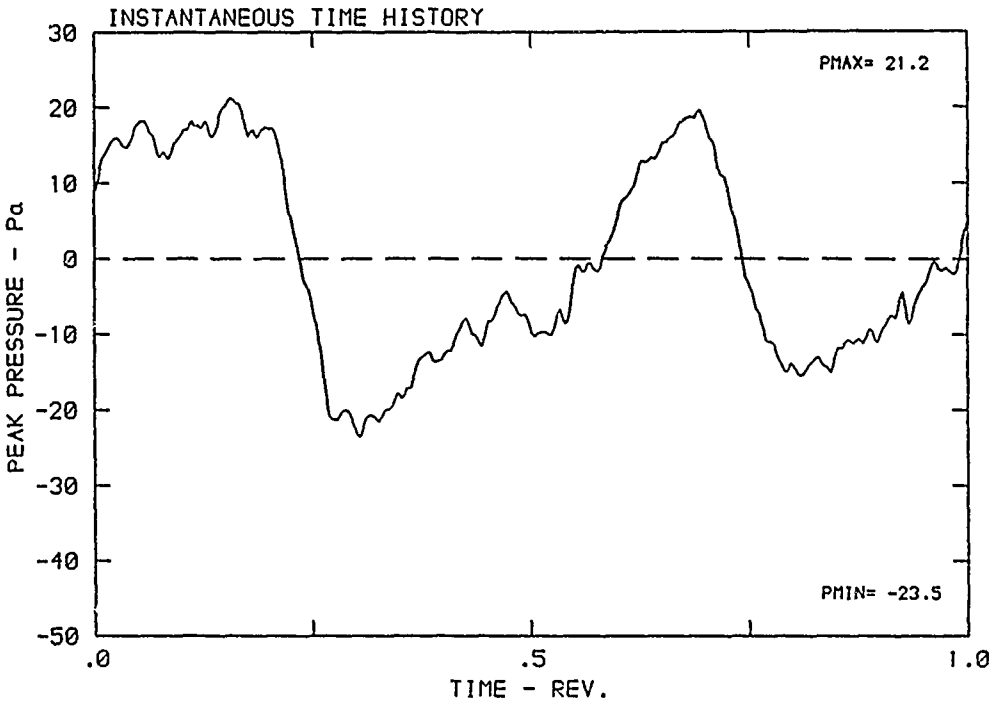
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

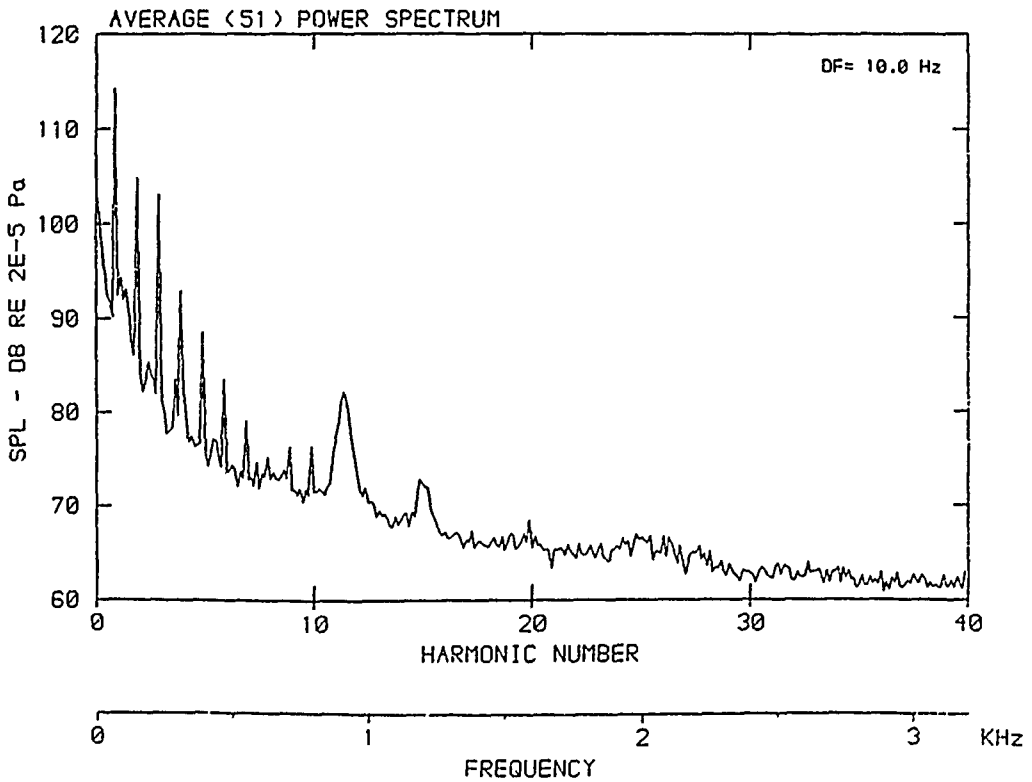




DATA POINT: BN-5 RUN: 53 MP: 7

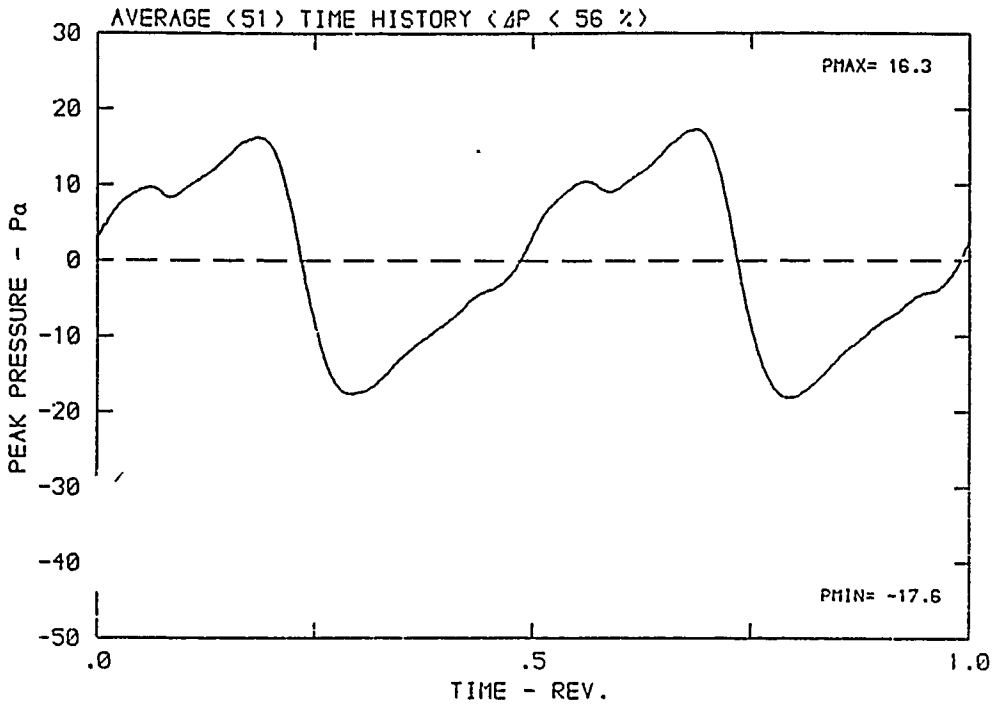
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

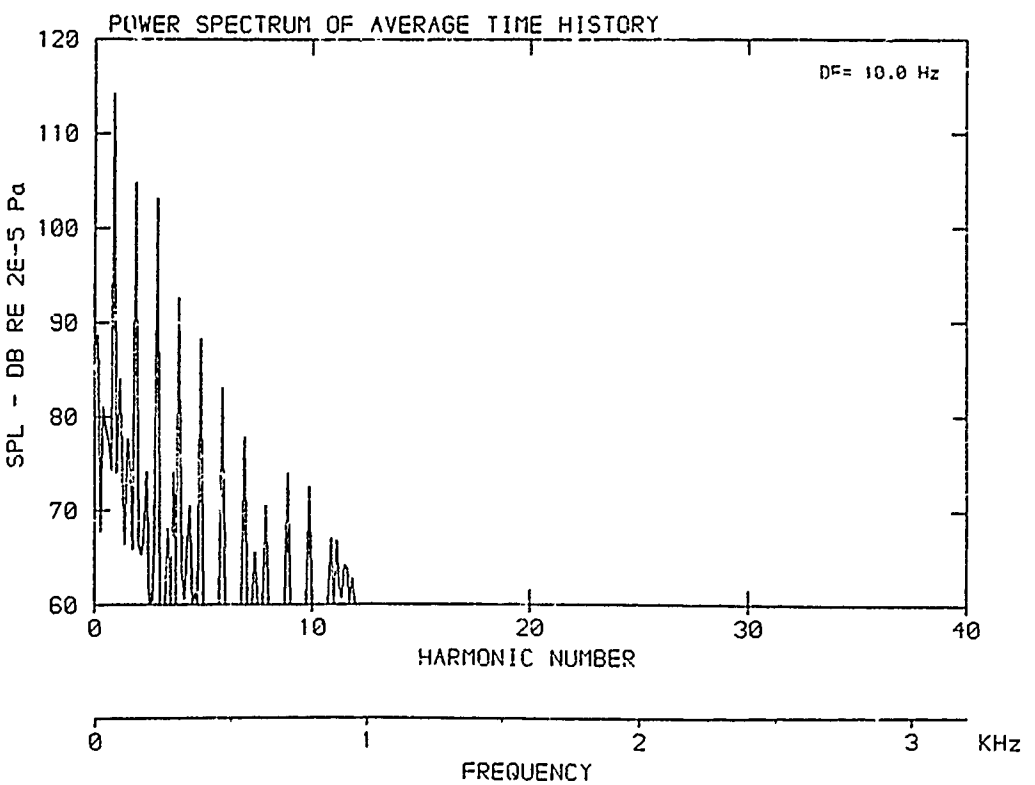




DATA POINT: BN-5 RUN: 53 MP: 7

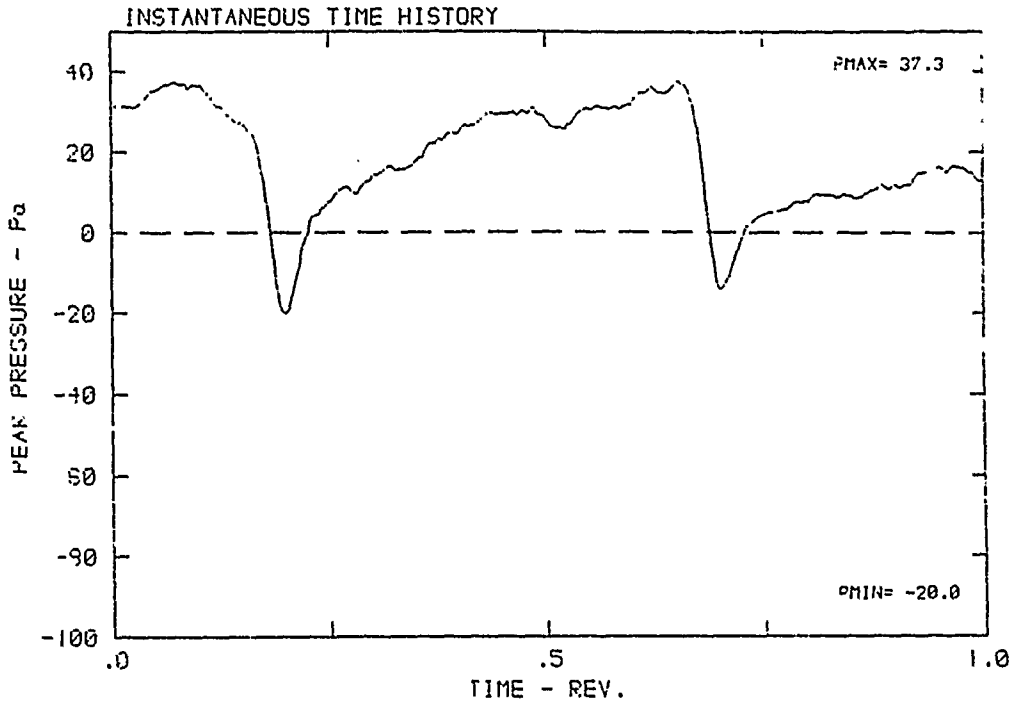
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

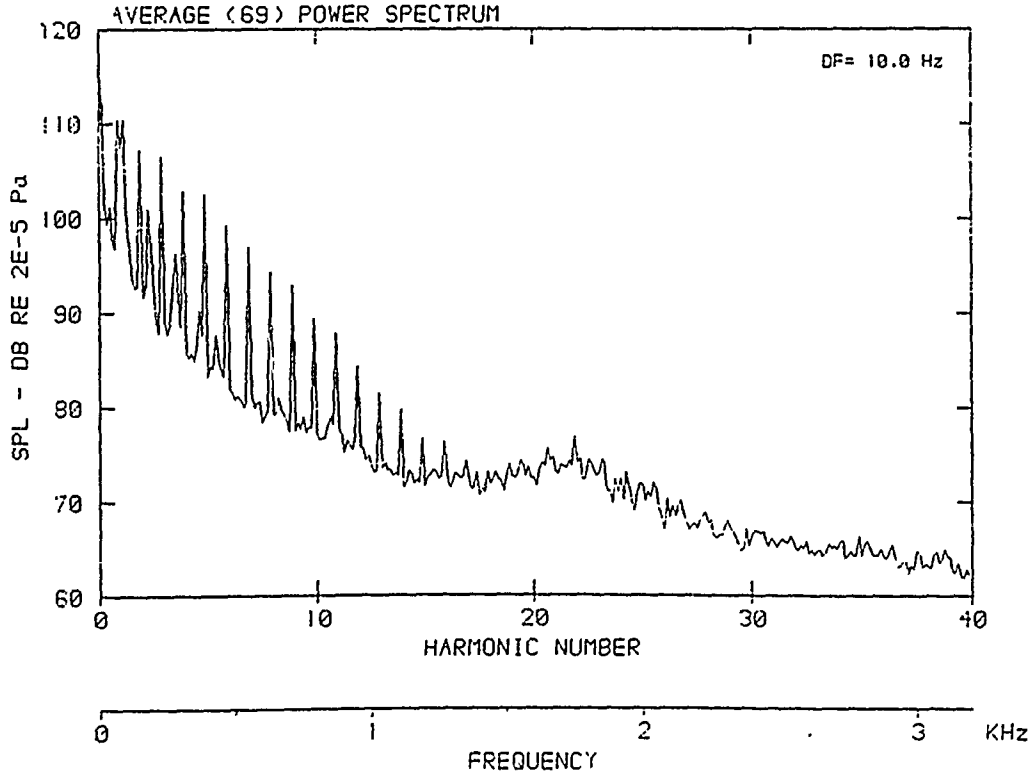




DATA POINT: BN-5 RUN: 53 MP: 9

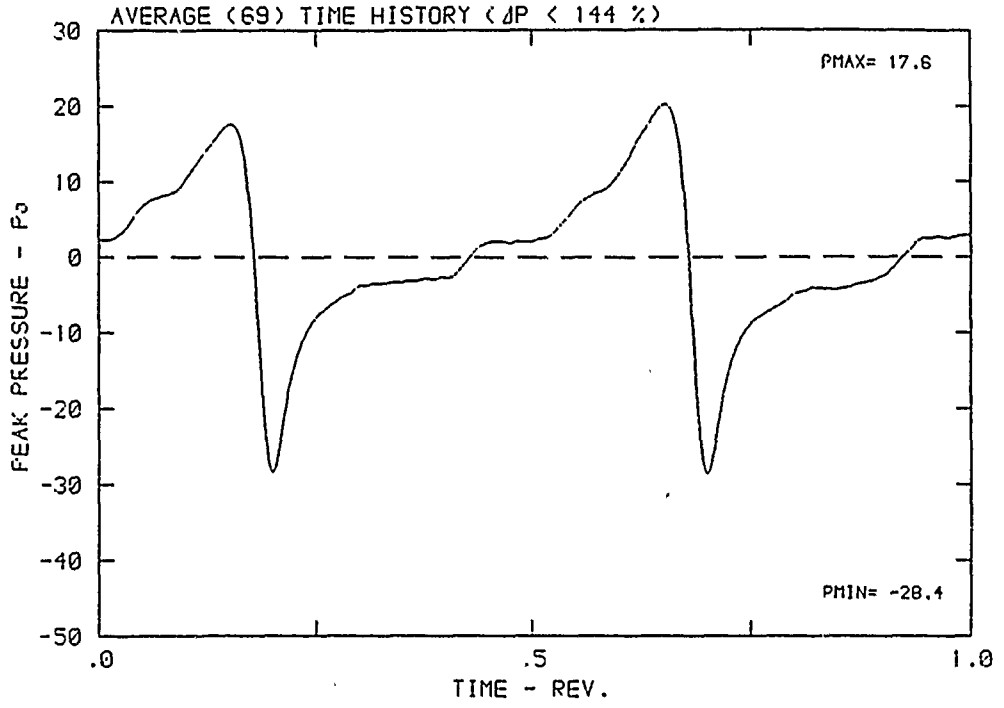
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 239.3 K

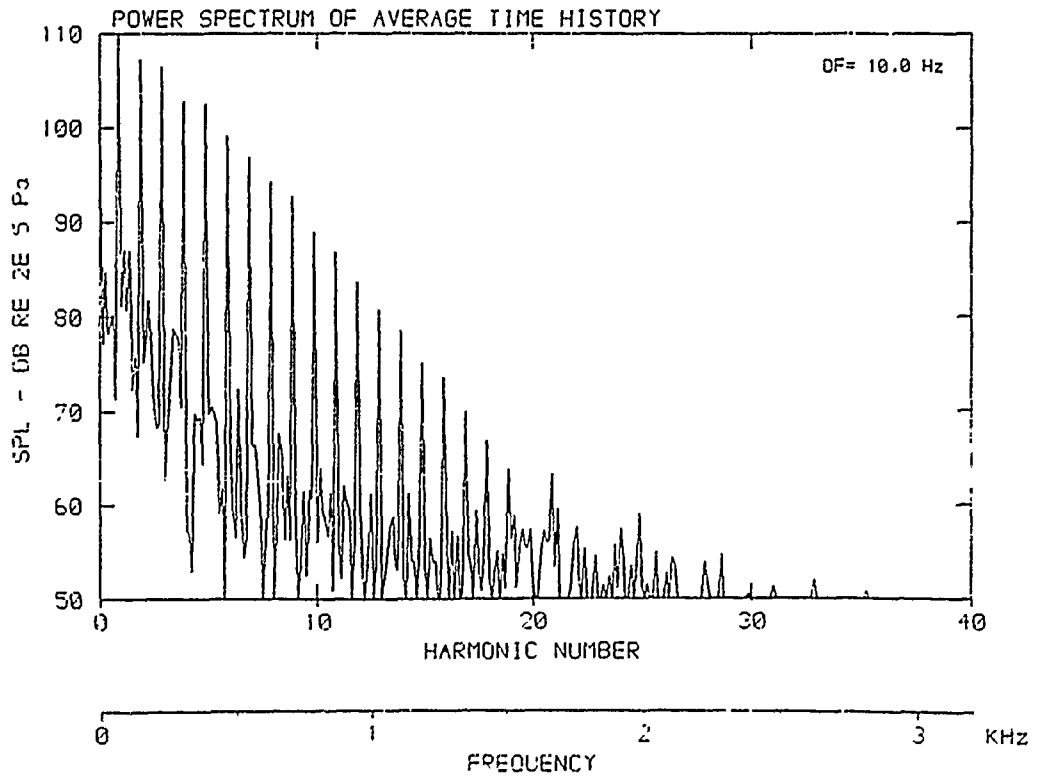




DATA POINT: BN-5	RUN: 53	MP: 8

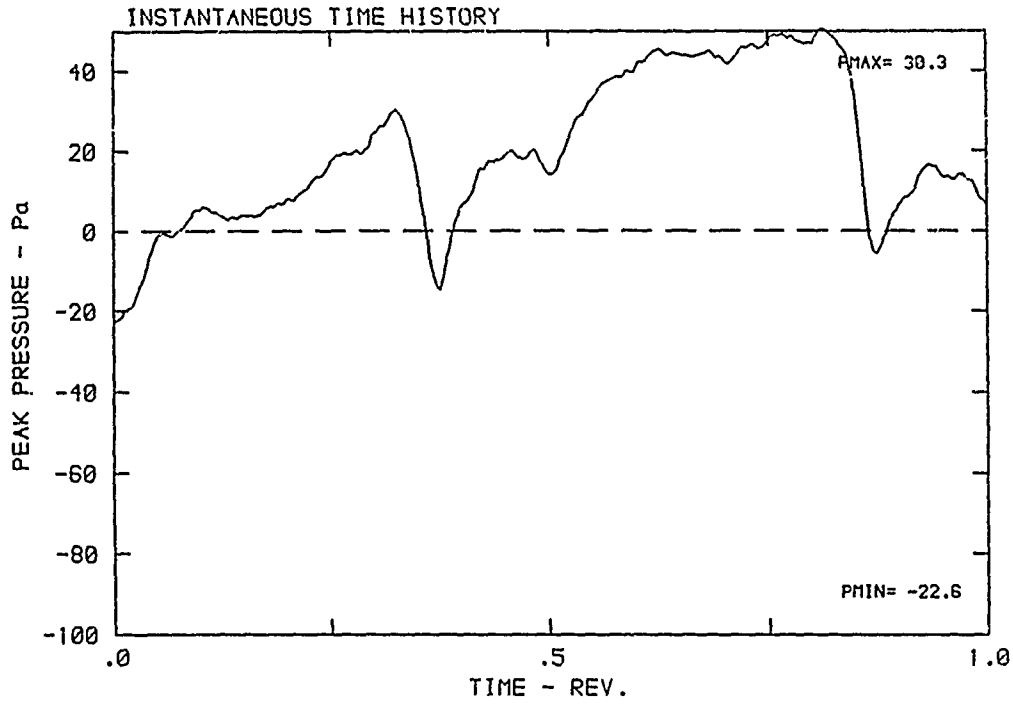
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

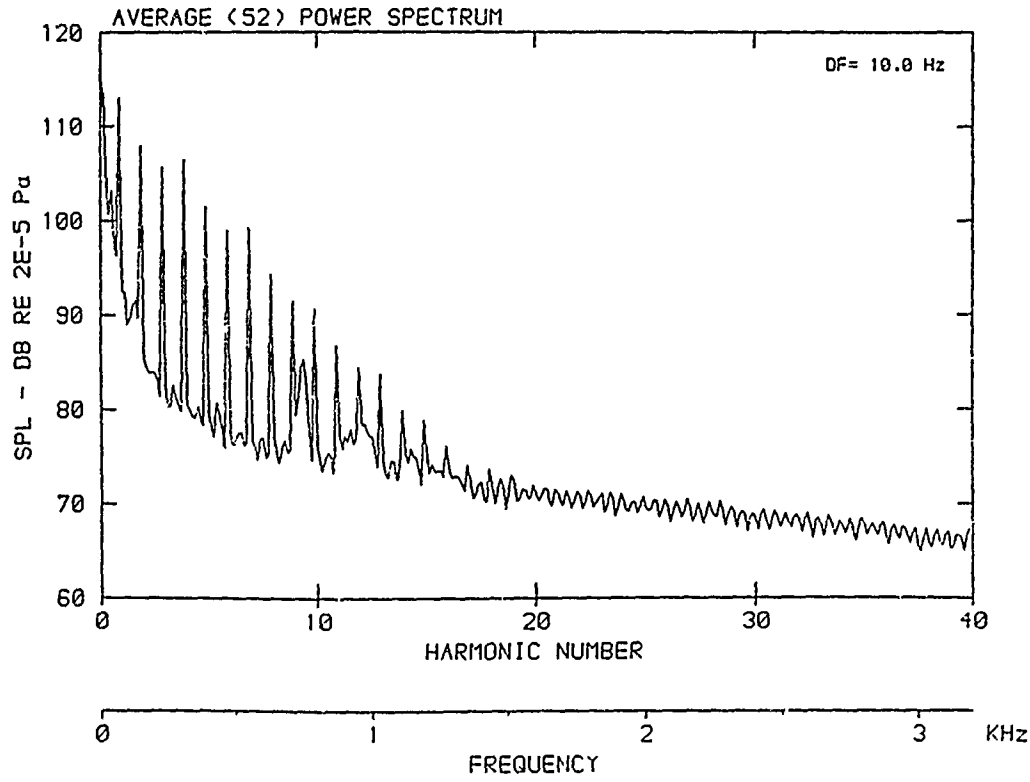




DATA POINT: BN-5 RUN: 53 MP: 9

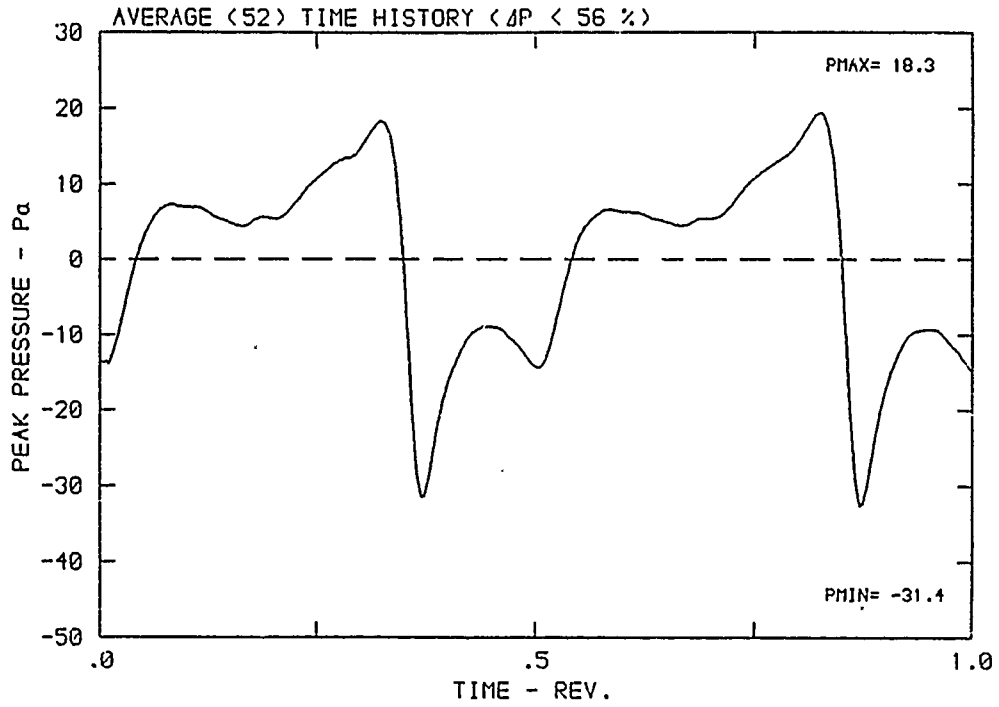
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

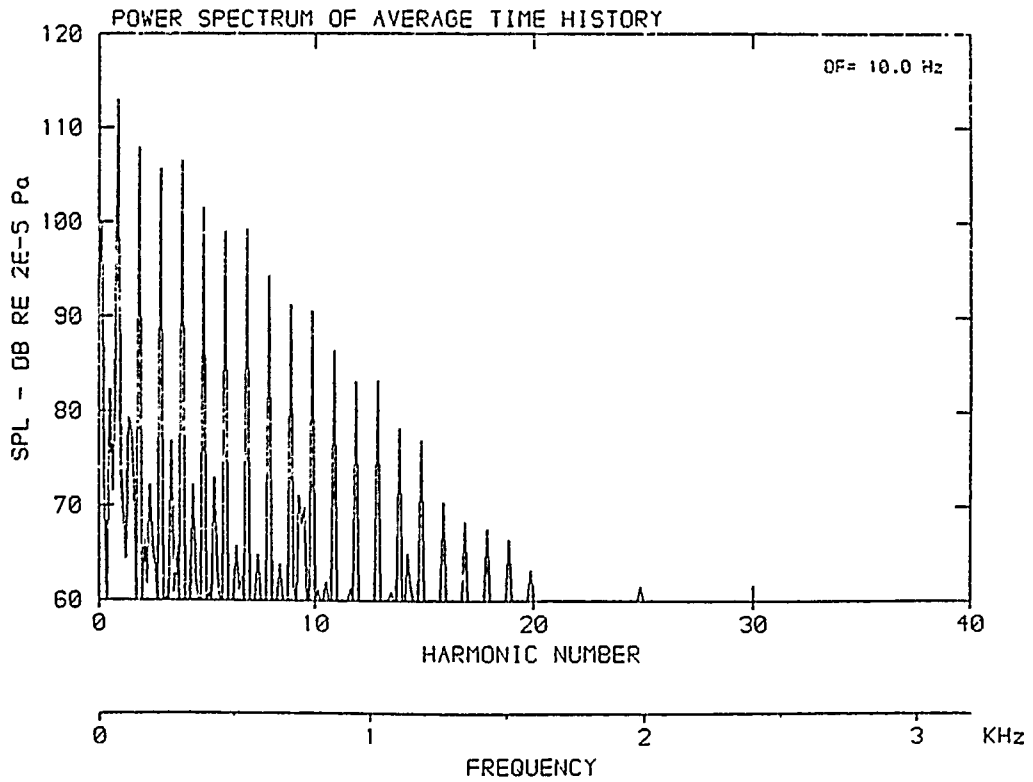




DATA POINT: BN-5	RUN: 53	MP: 9

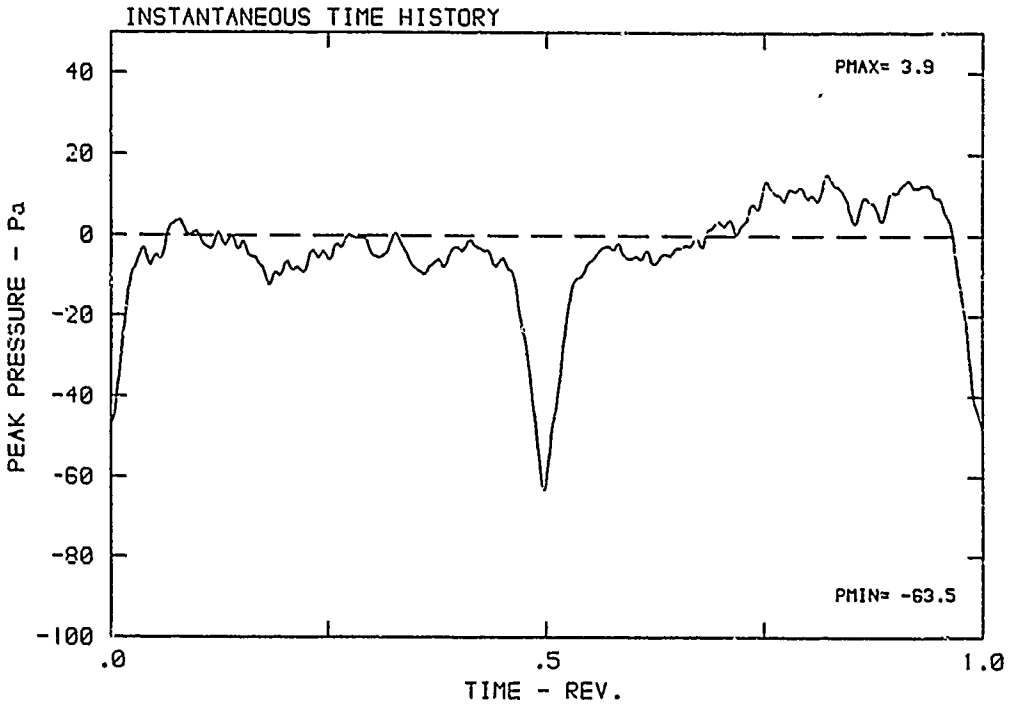
β: 19.9° MH: .7639 n: 2400 rpm v/u: .202 ϕ: .0° T: 289.3 K

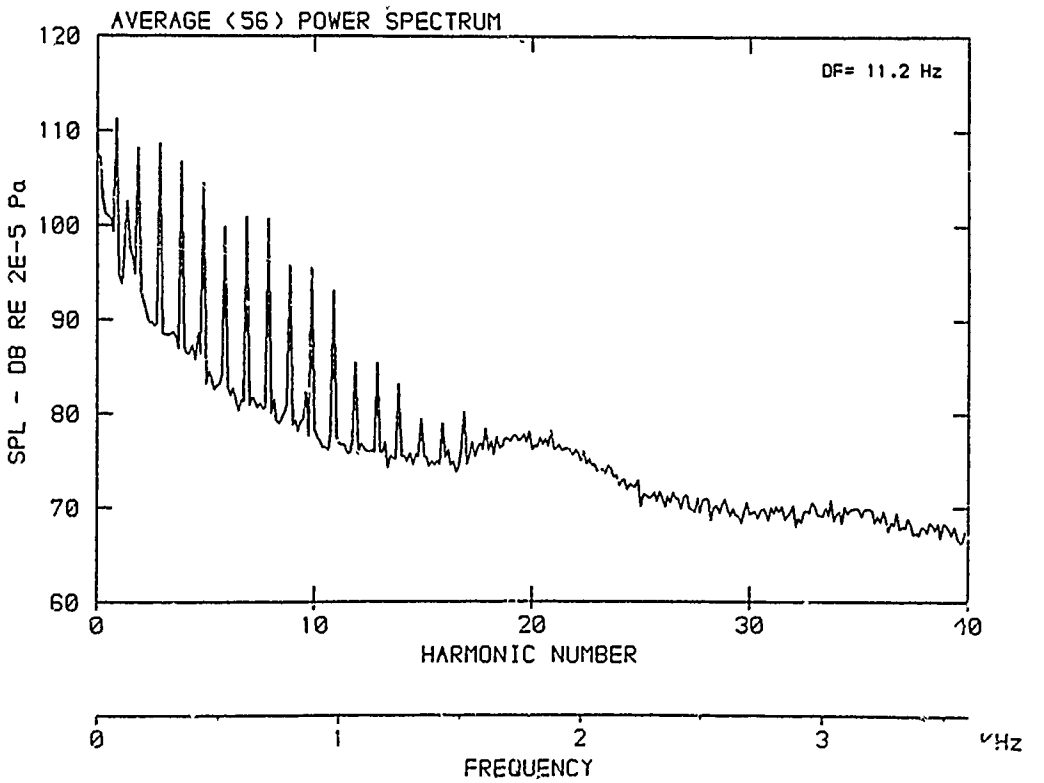




DATA POINT: BN-6	RUN: 51	MP: 1

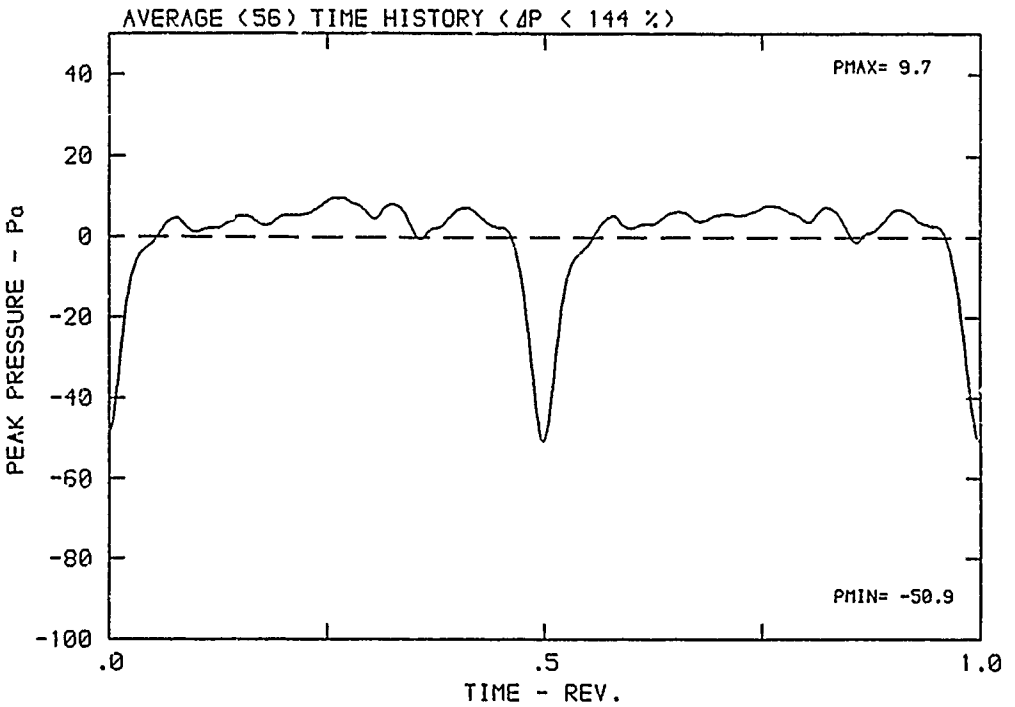
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

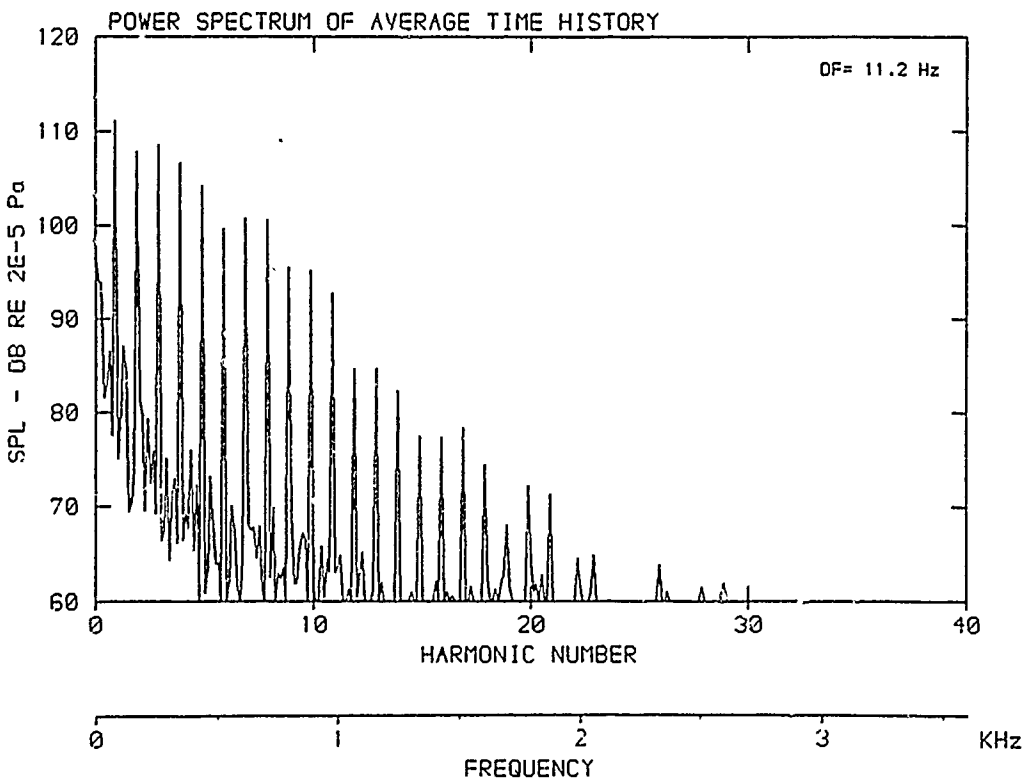




DATA POINT: BN-6	RUN: 51	MP: 1

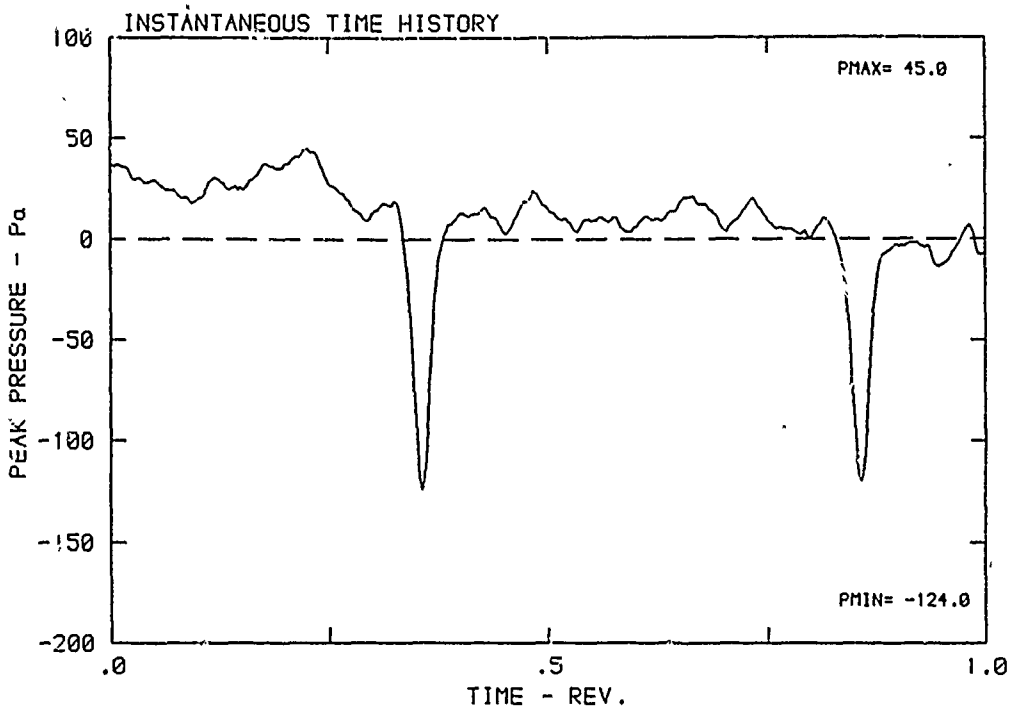
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

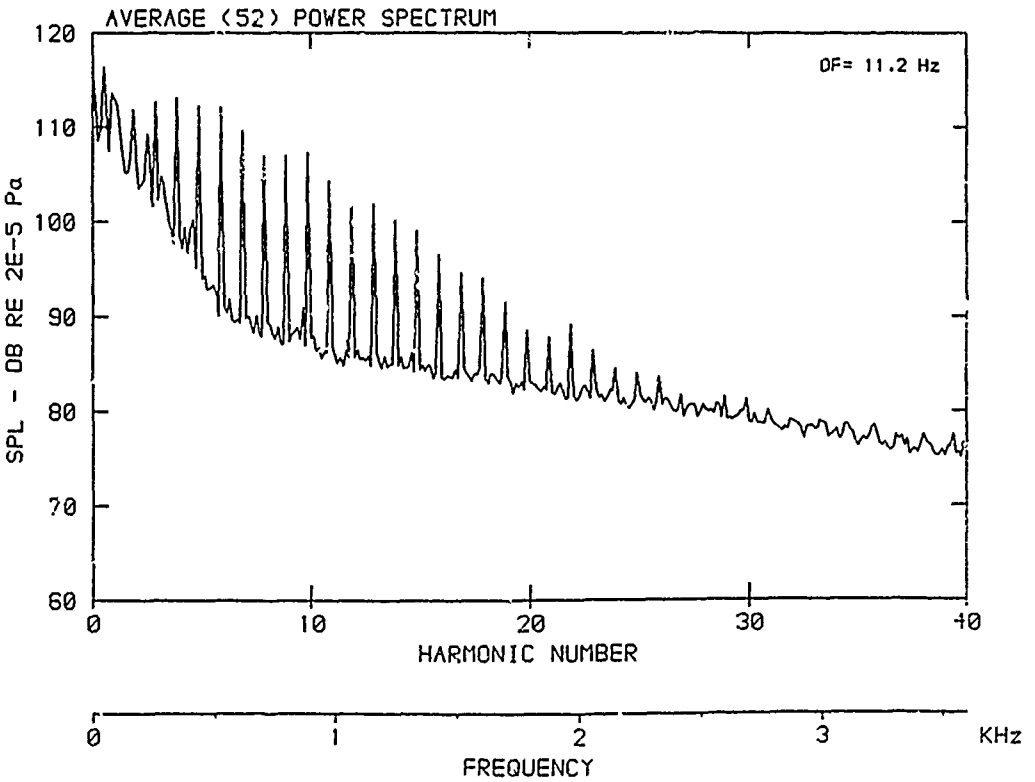




DATA POINT: BN-6 RUN: 51 MP: 2

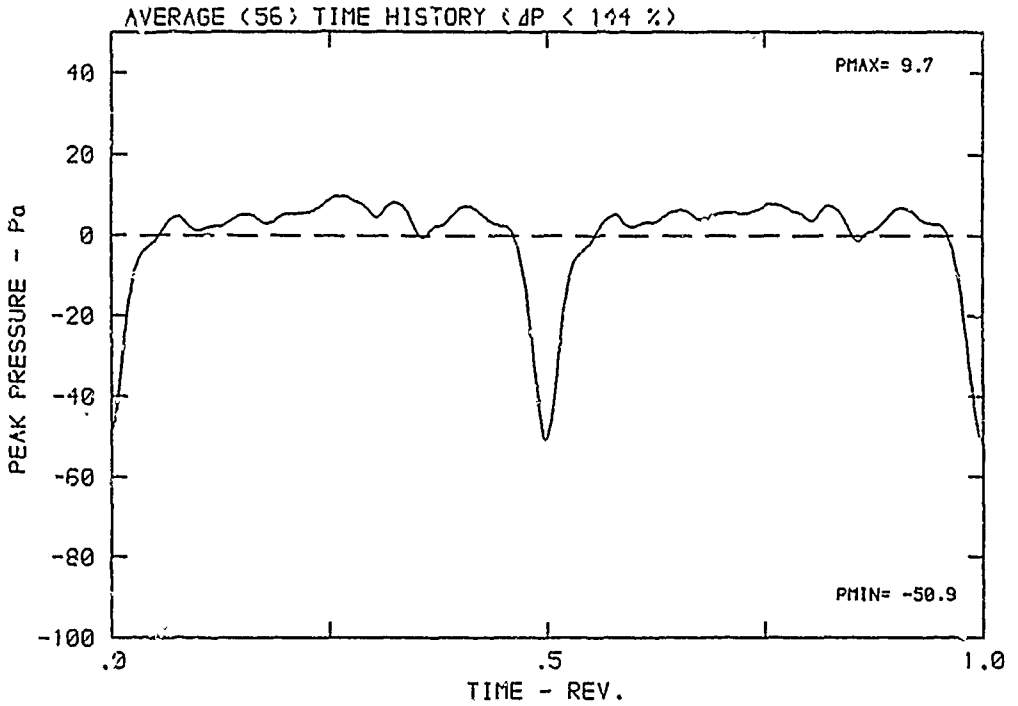
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

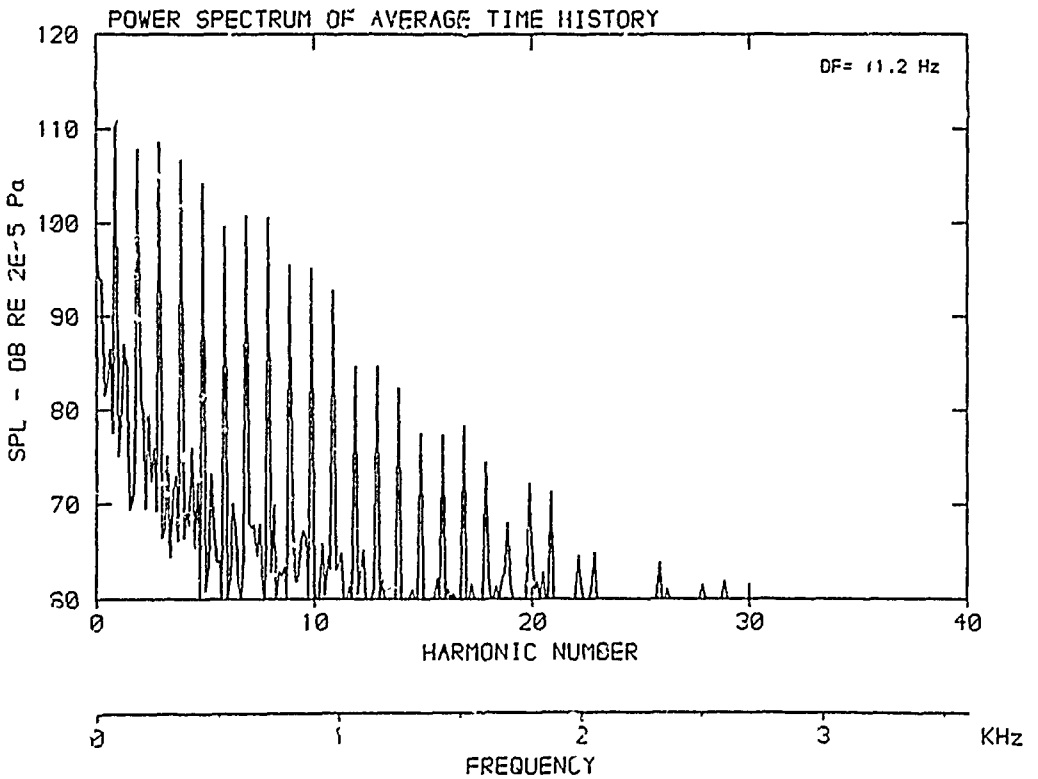




DATA POINT: BN-6 RUN: 51 MP: 1

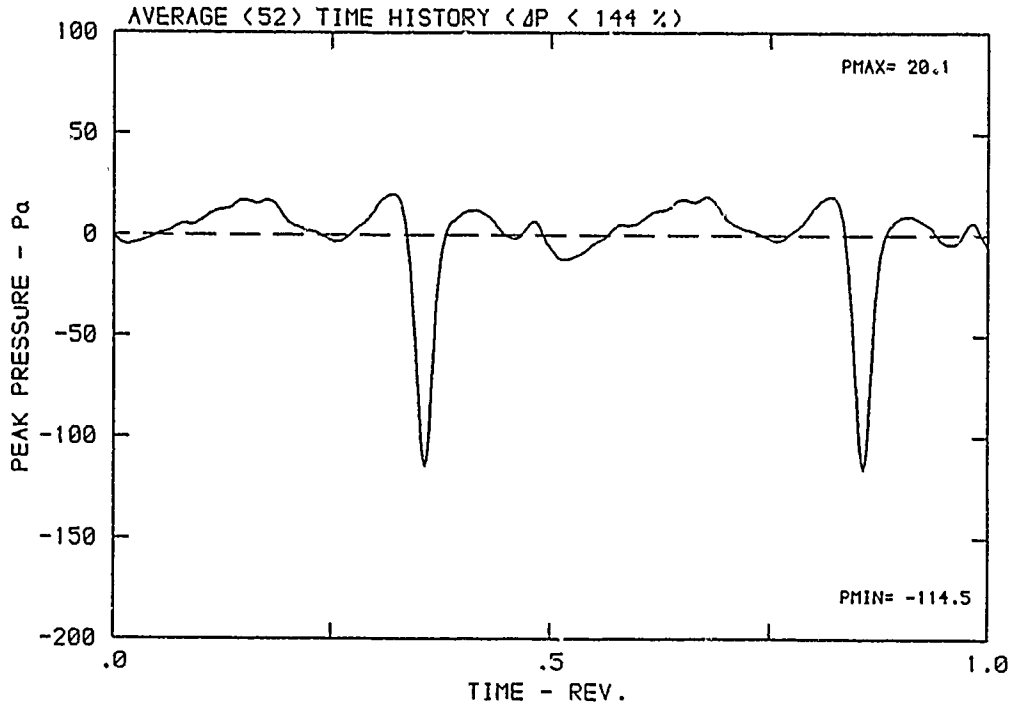
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.6 K

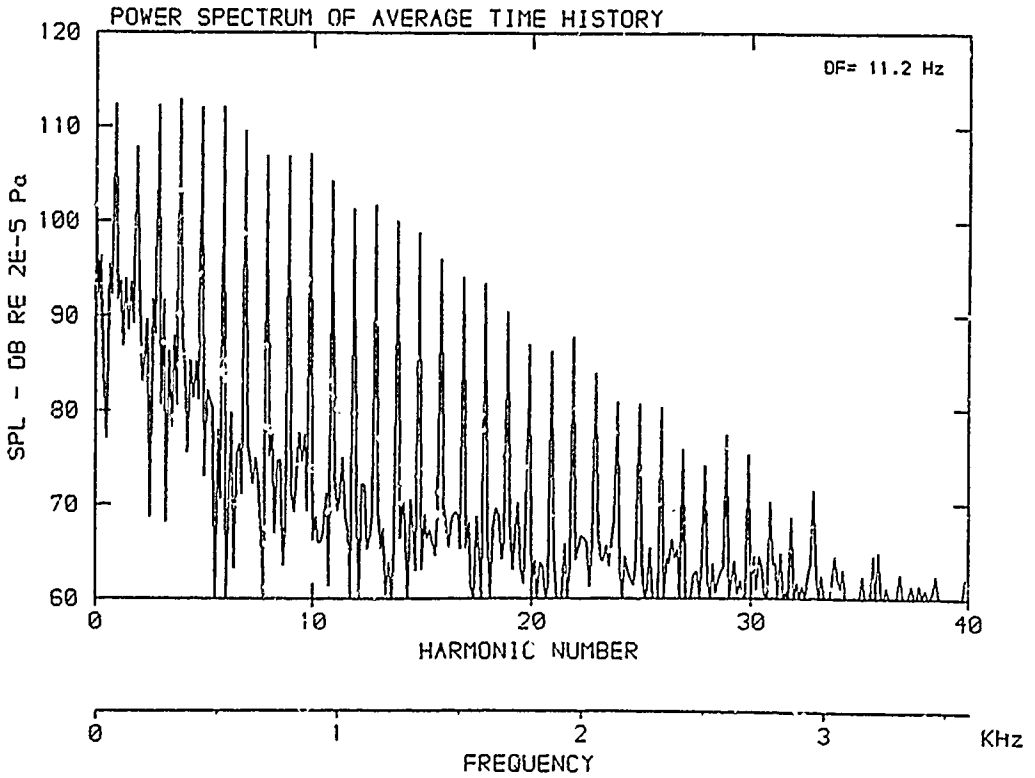




DATA POINT: BN-6 RUN: 51 MP: 2

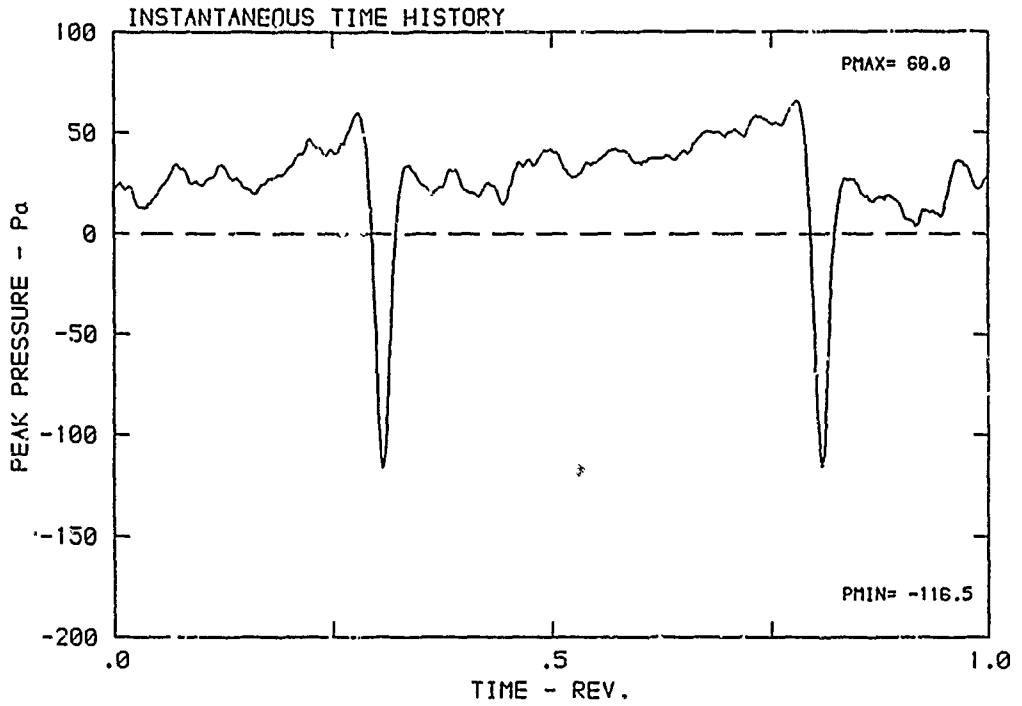
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

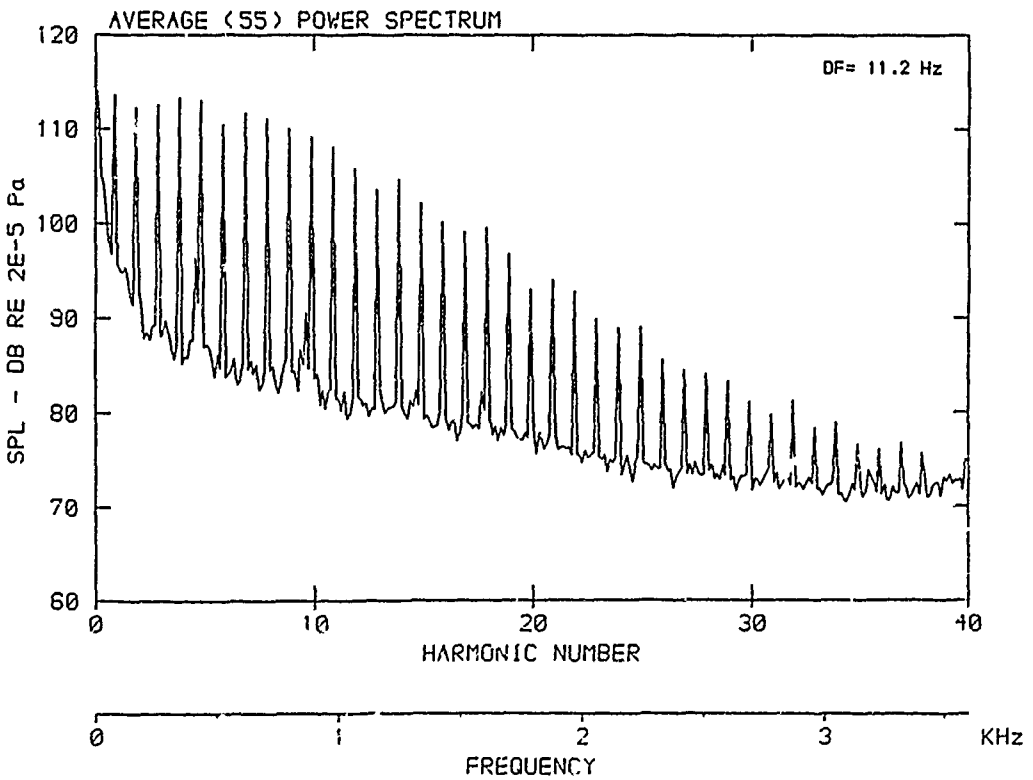




DATA POINT: BN-6 RUN: 51 MP: 3

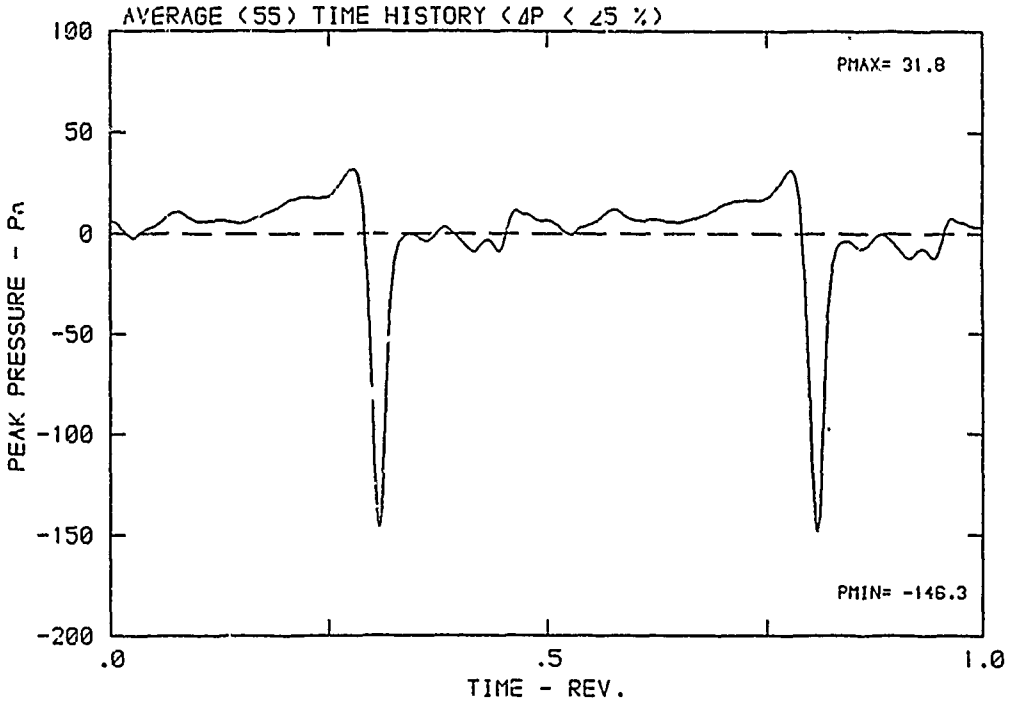
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

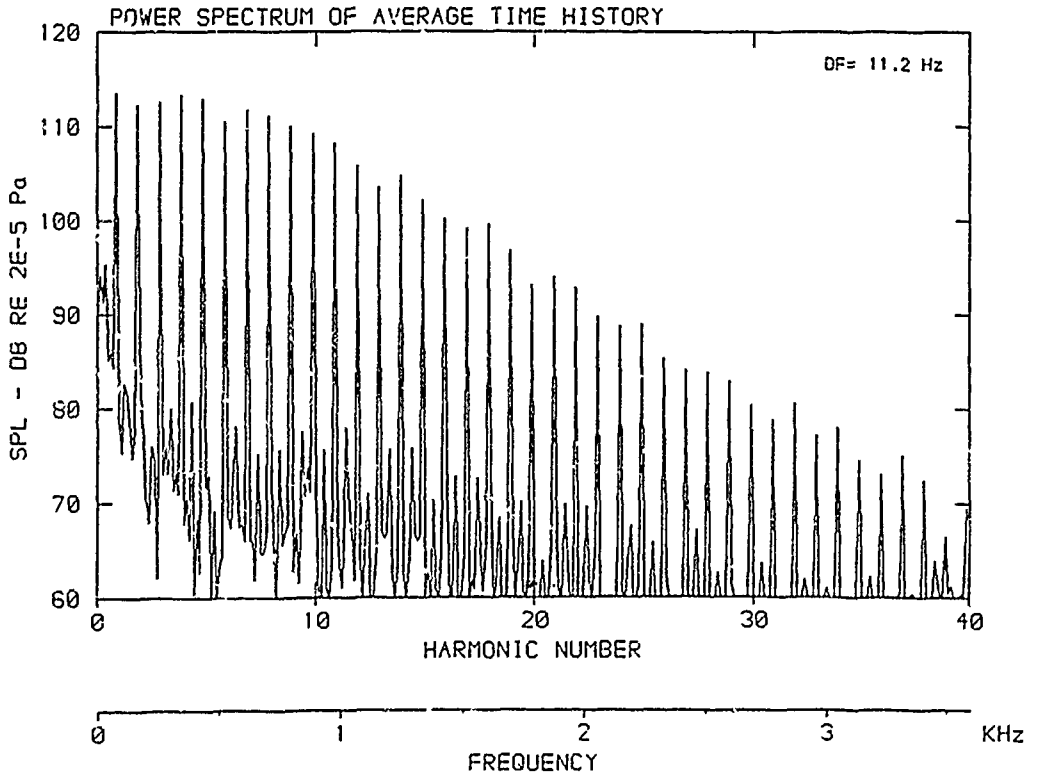




DATA POINT: BN-6	RUN: 51	MP: 3

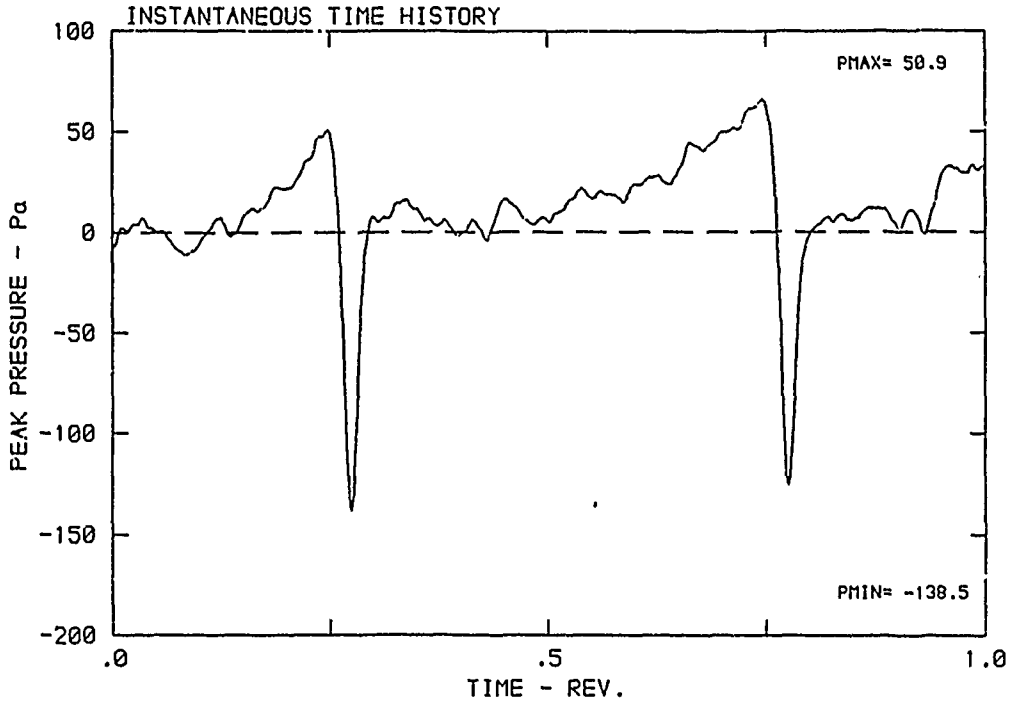
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

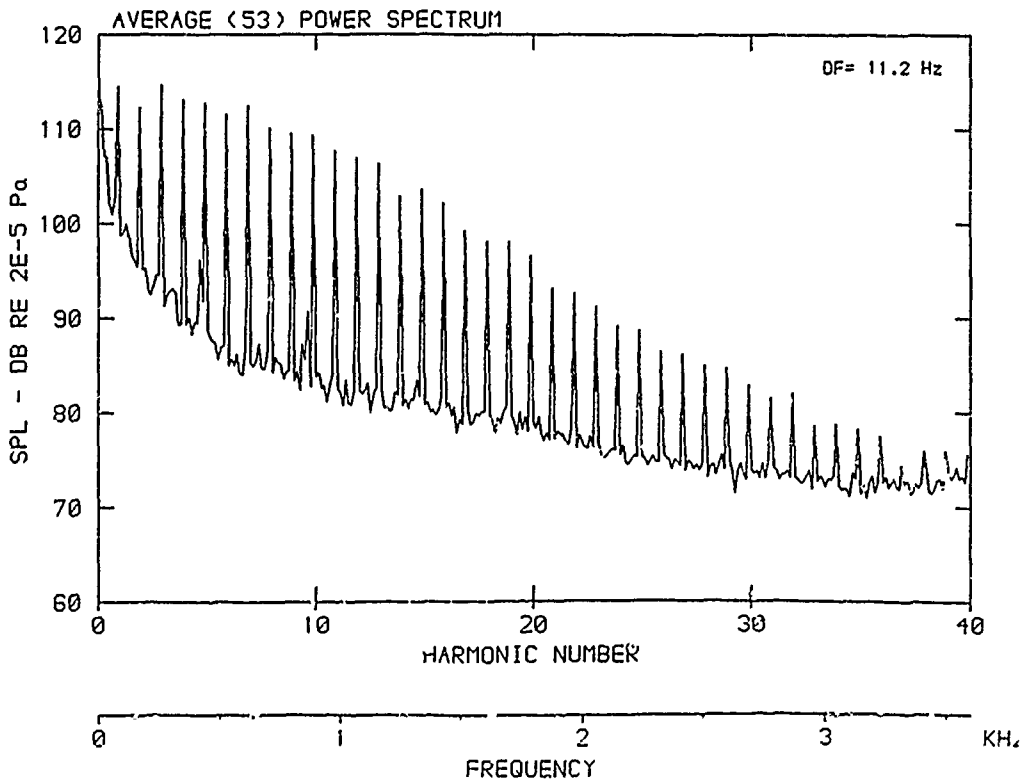




DATA POINT: BN-6 RUN: 51 MP: 4

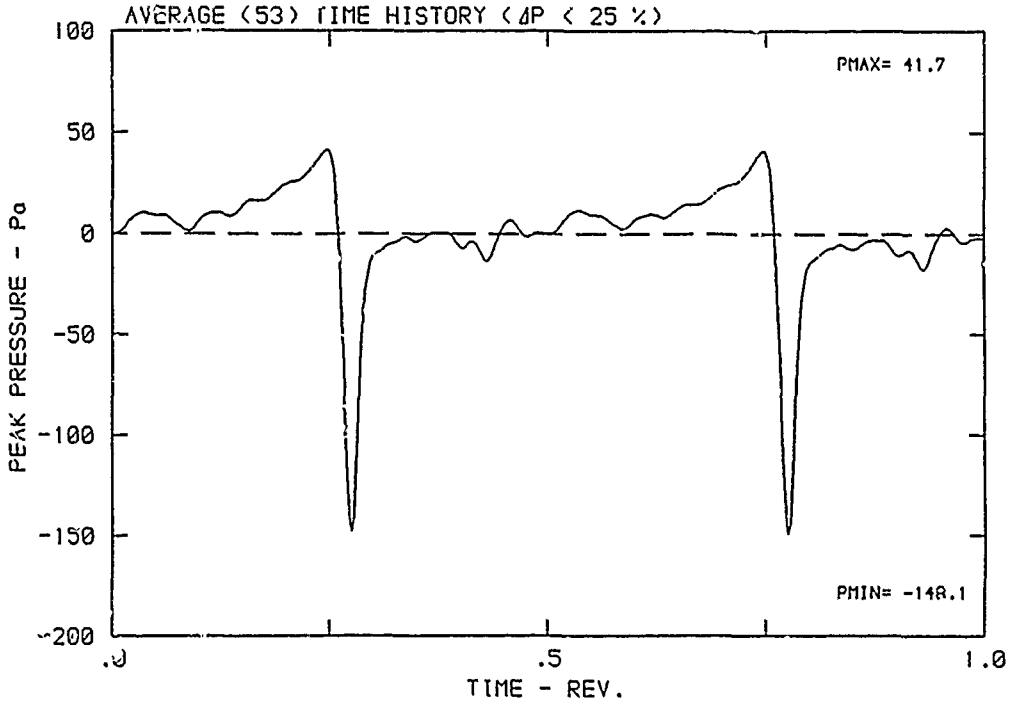
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

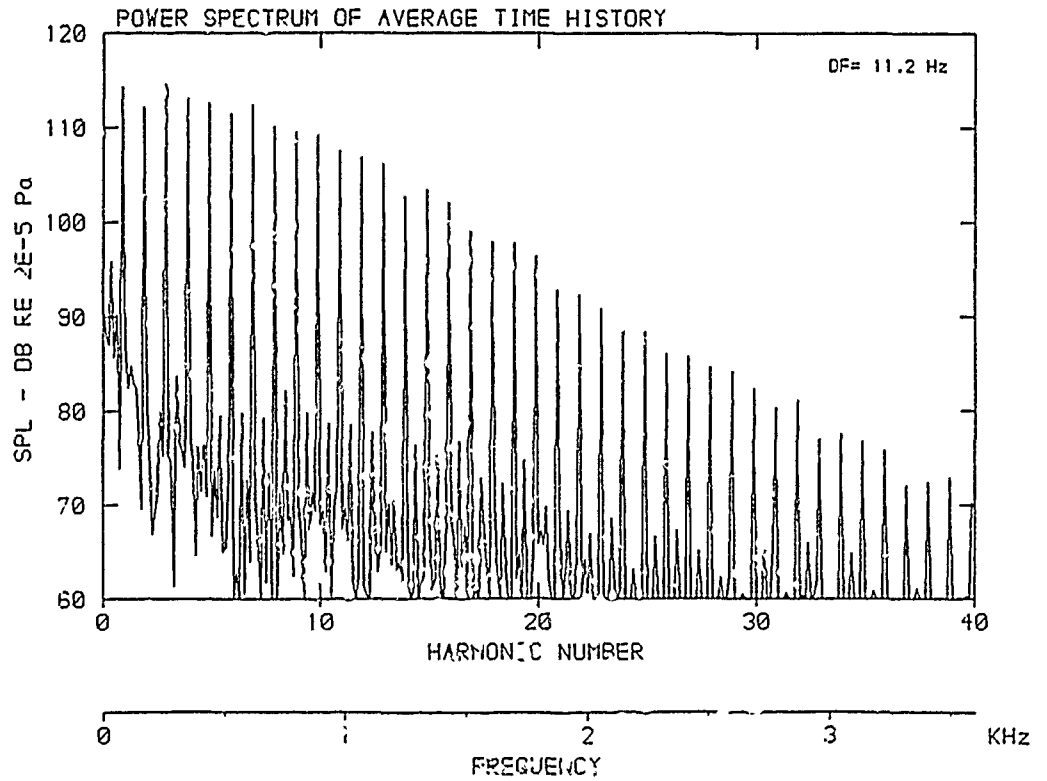




DATA POINT: BN-6 RUN: 51 MP: 4

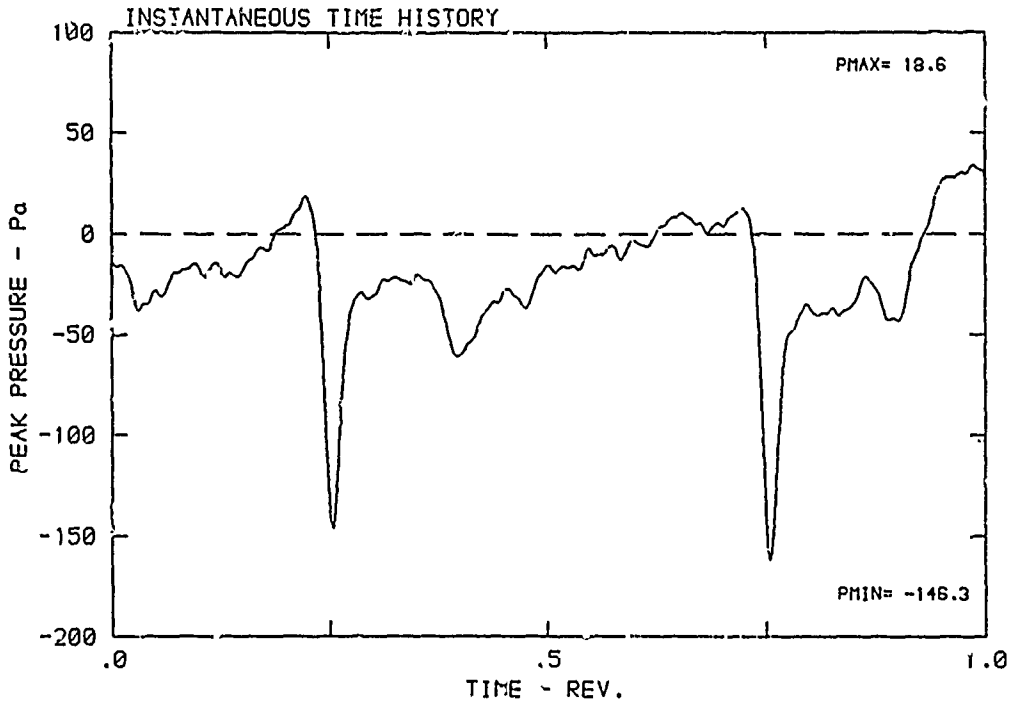
β: 19.9° Mr': .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

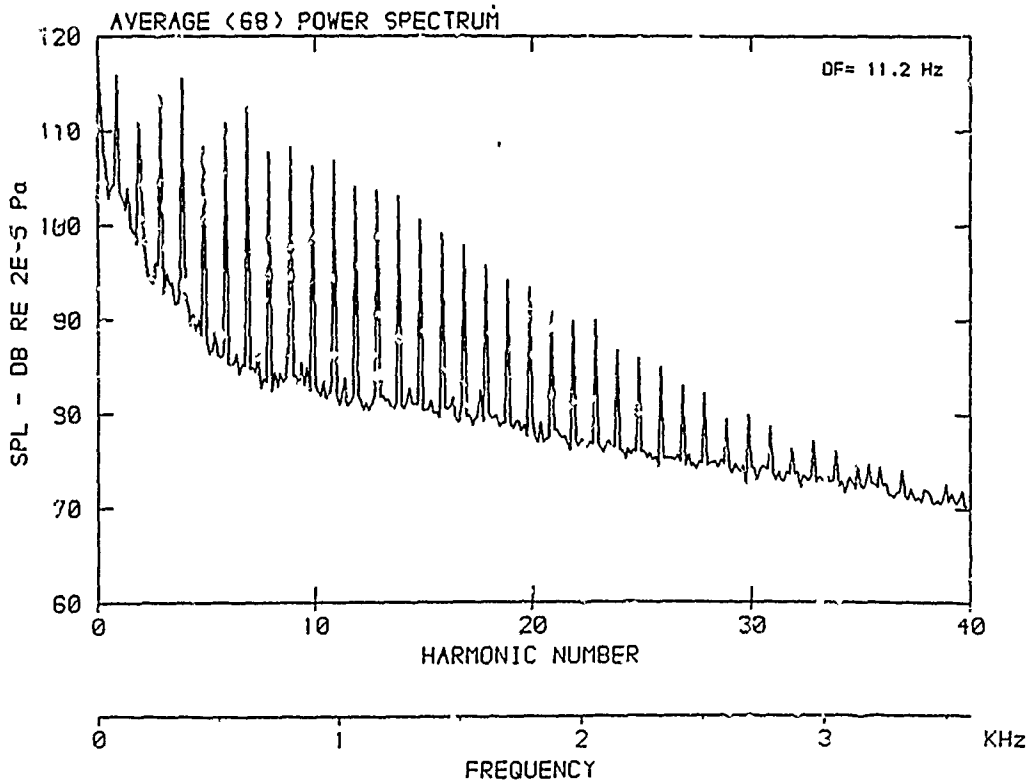




DATA POINT: BN-6 RUN: 51 MP: 5

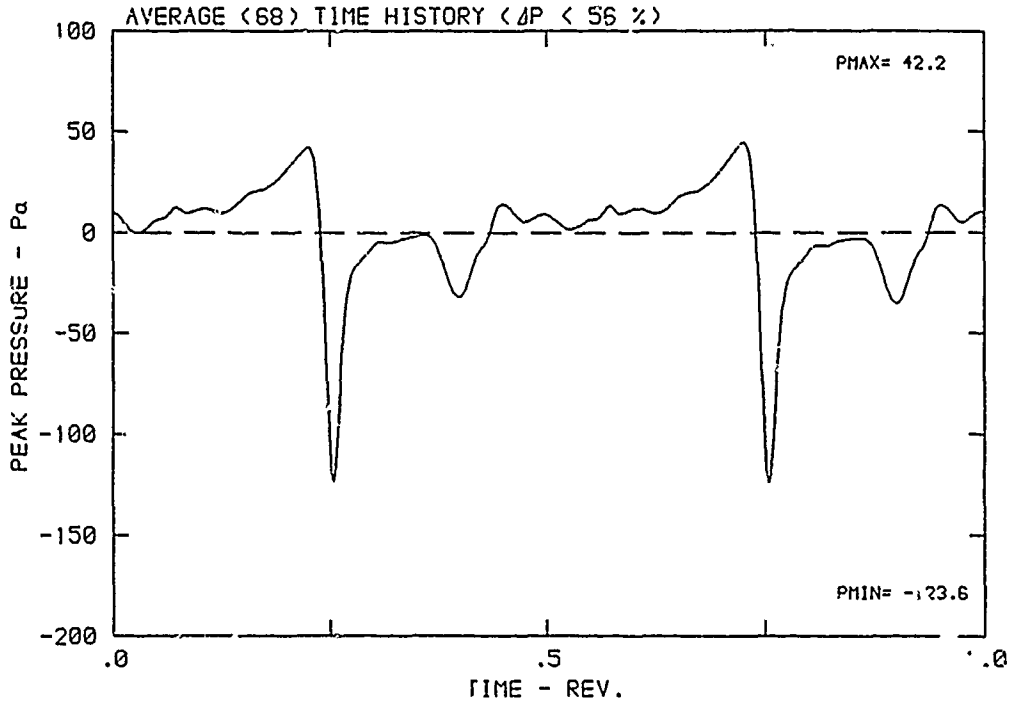
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

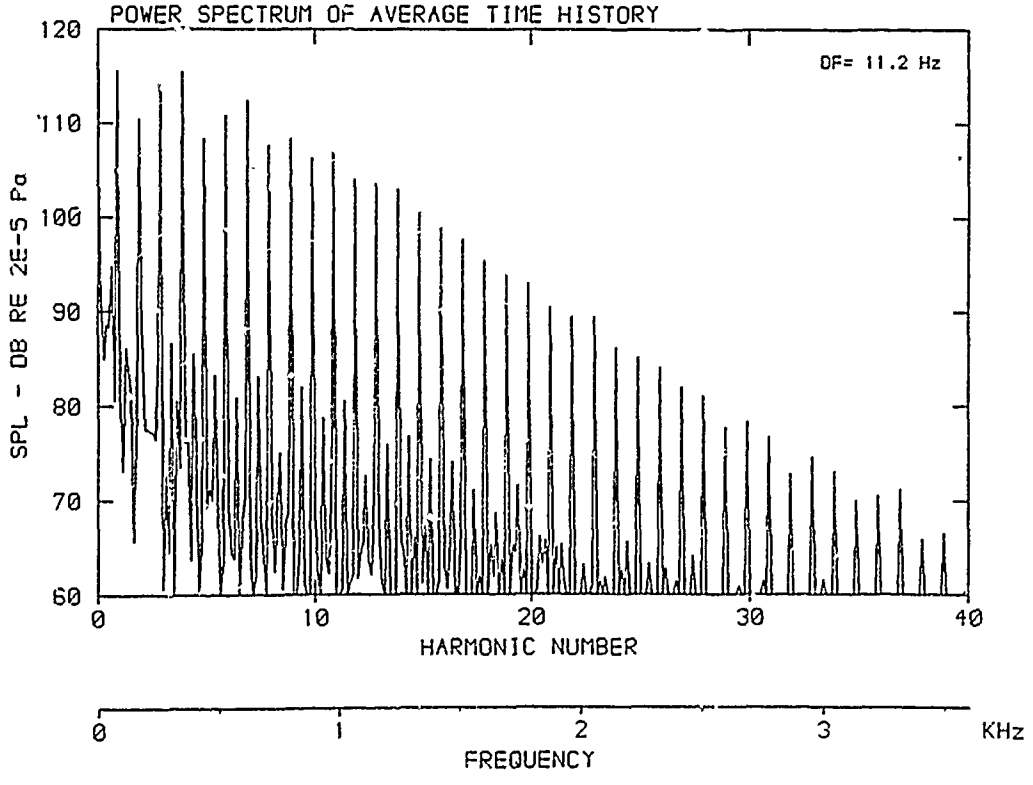




DATA POINT: BN-6 RUN: 51 MP: 5

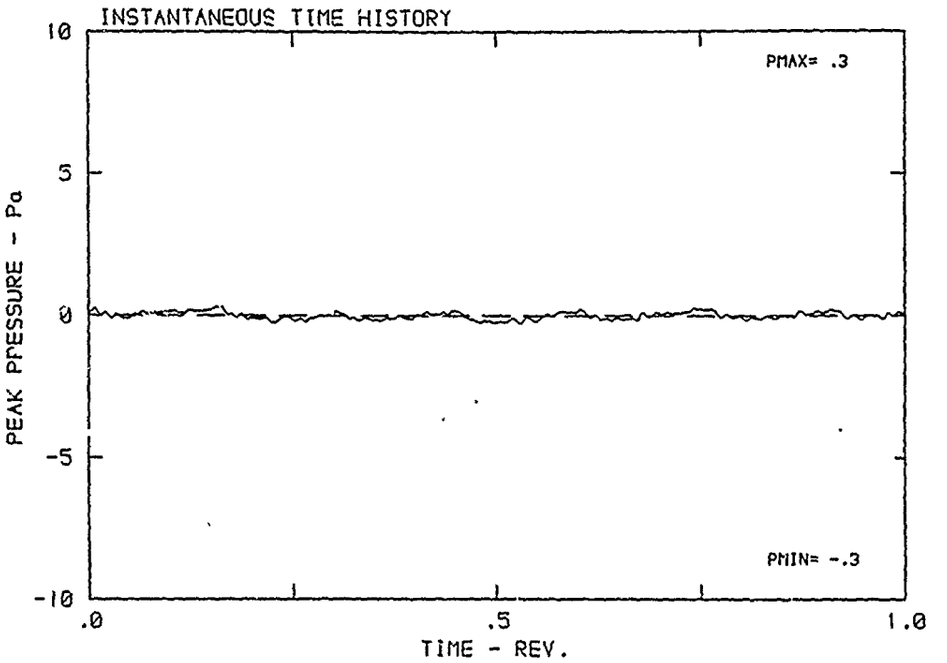
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

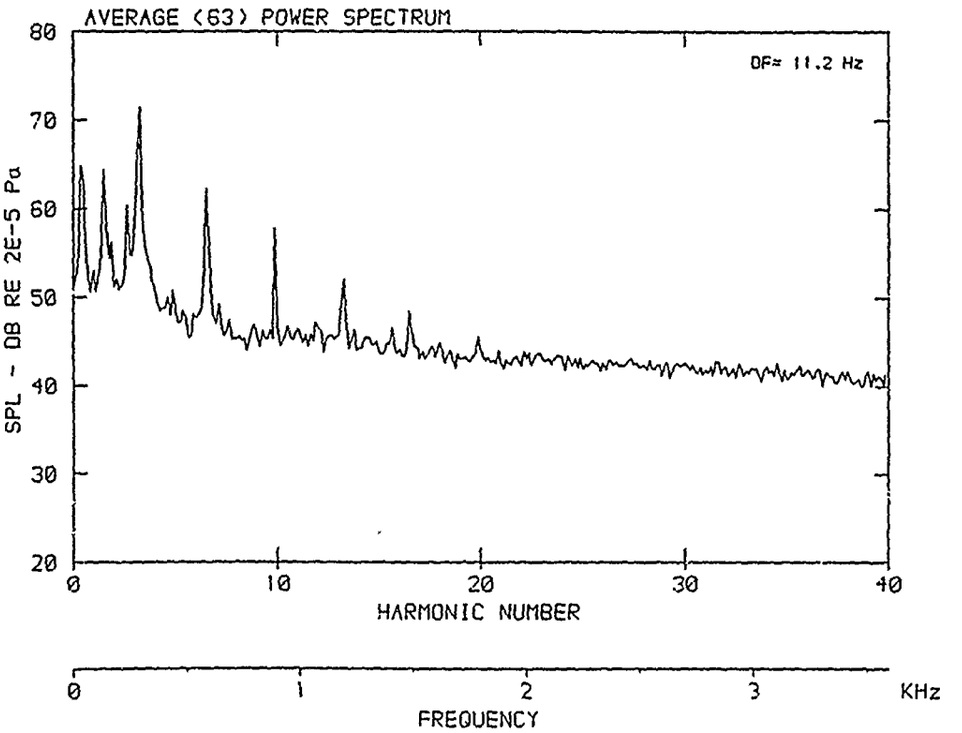




DATA POINT: BN-6 RUN: 51 MP: 6

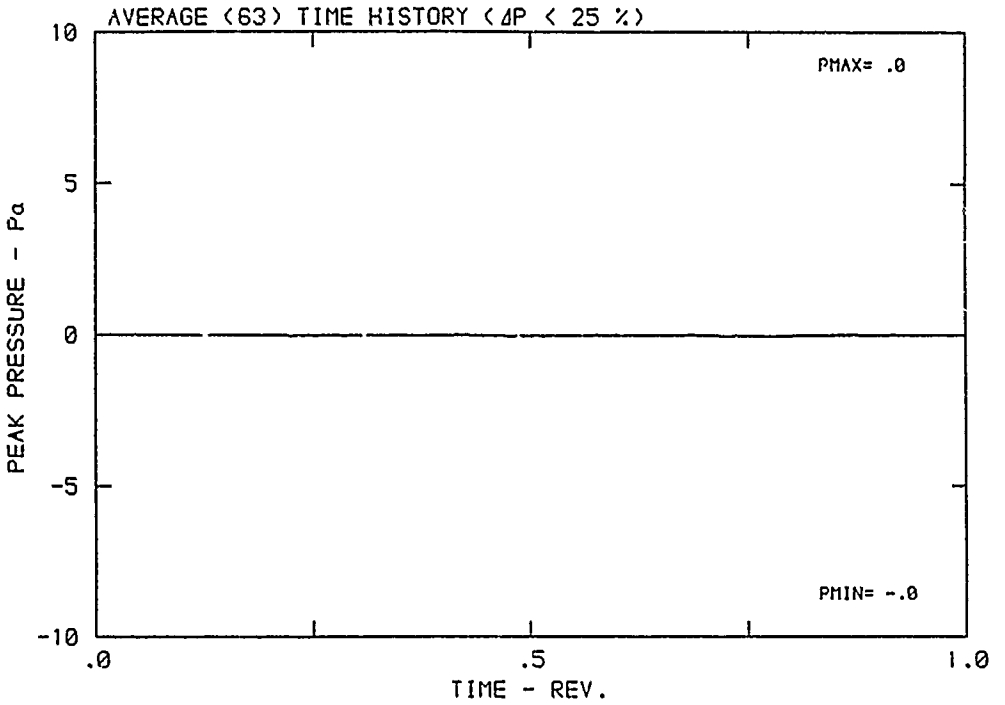
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

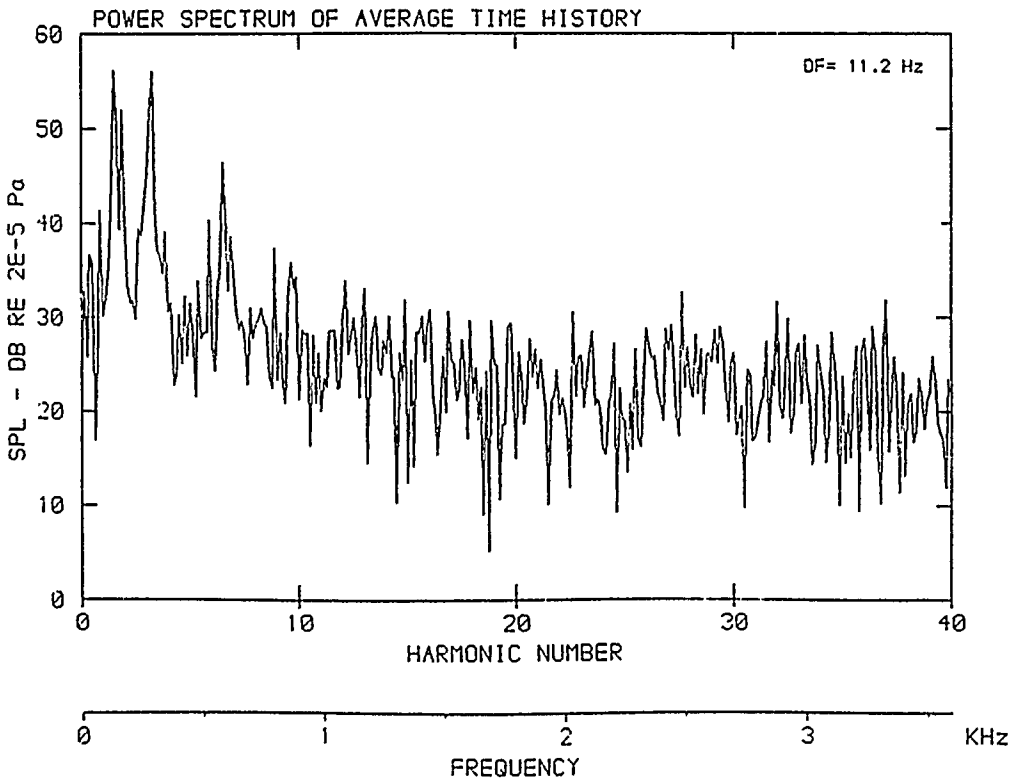




DATA POINT: BN-6	RUN: 51	MP: 6

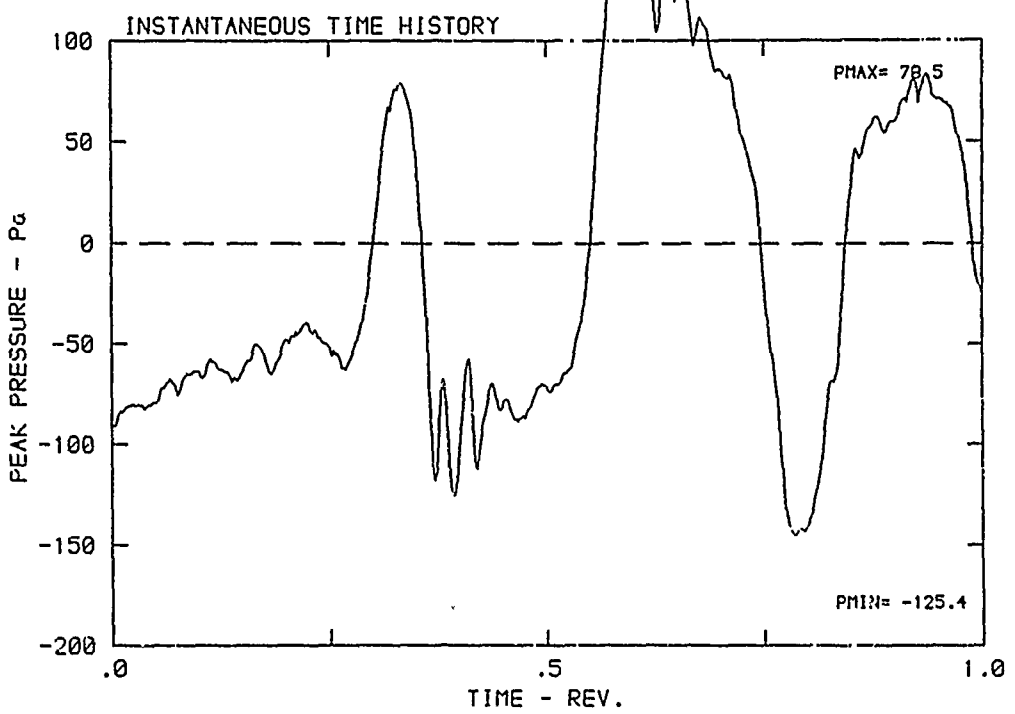
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

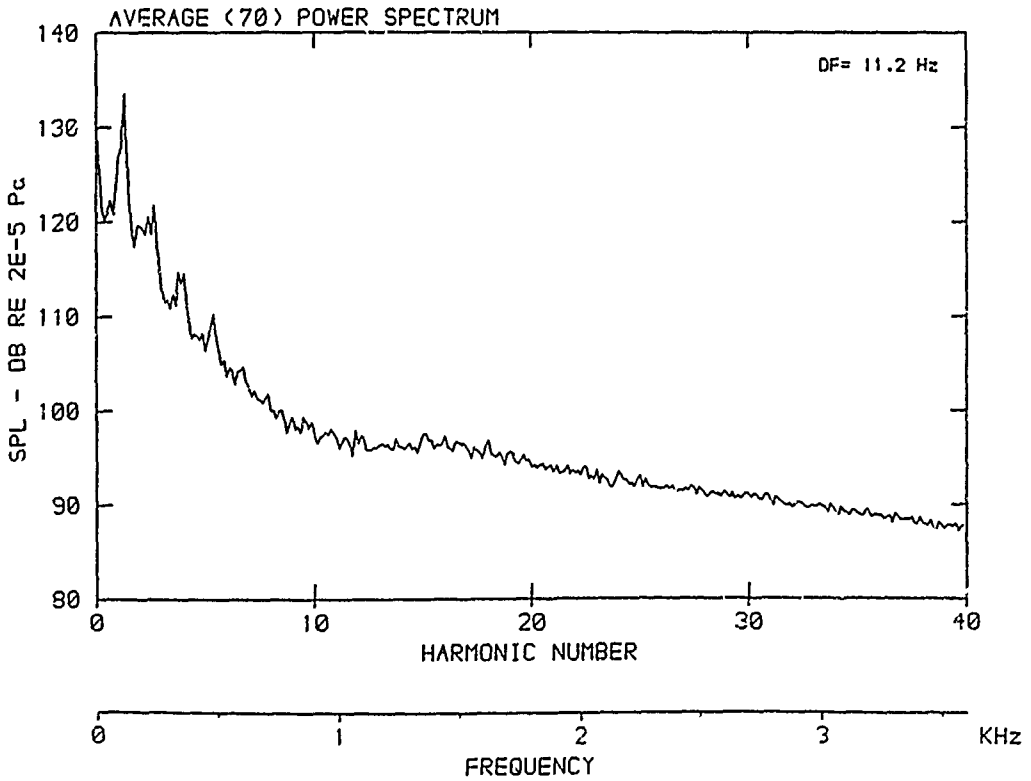




DATA POINT: BN-6 RUN: 51 MP: 7

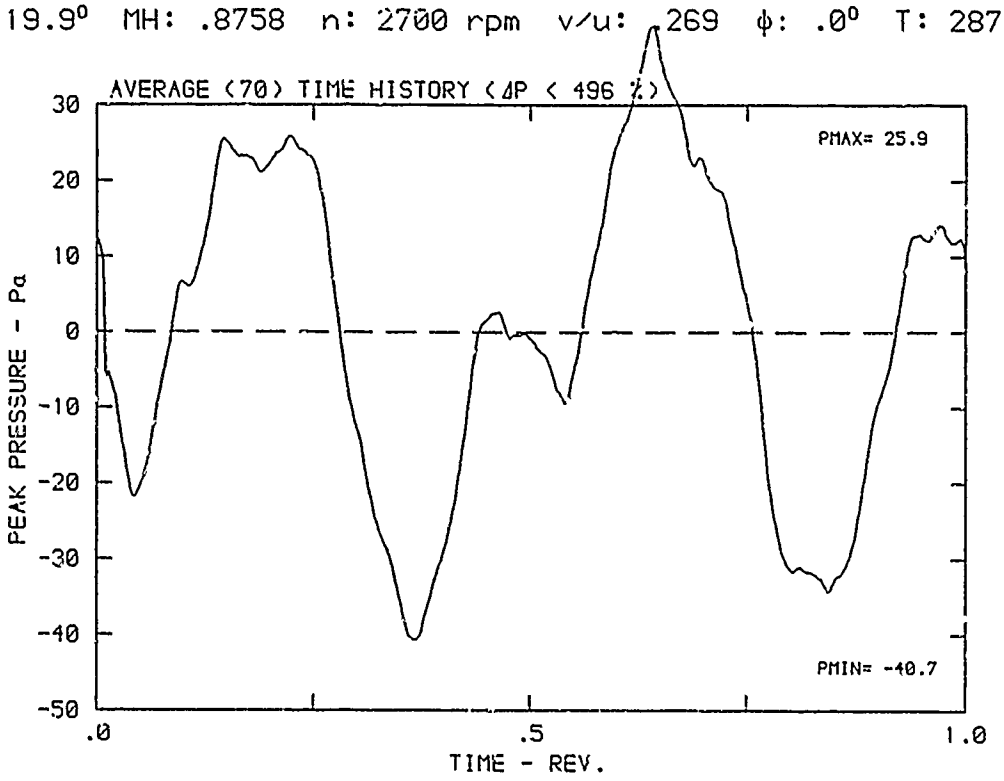
β: 19.9° MH: .8758 n: 2700 rpm v/v: .269 ϕ: .0° T: 287.0 K

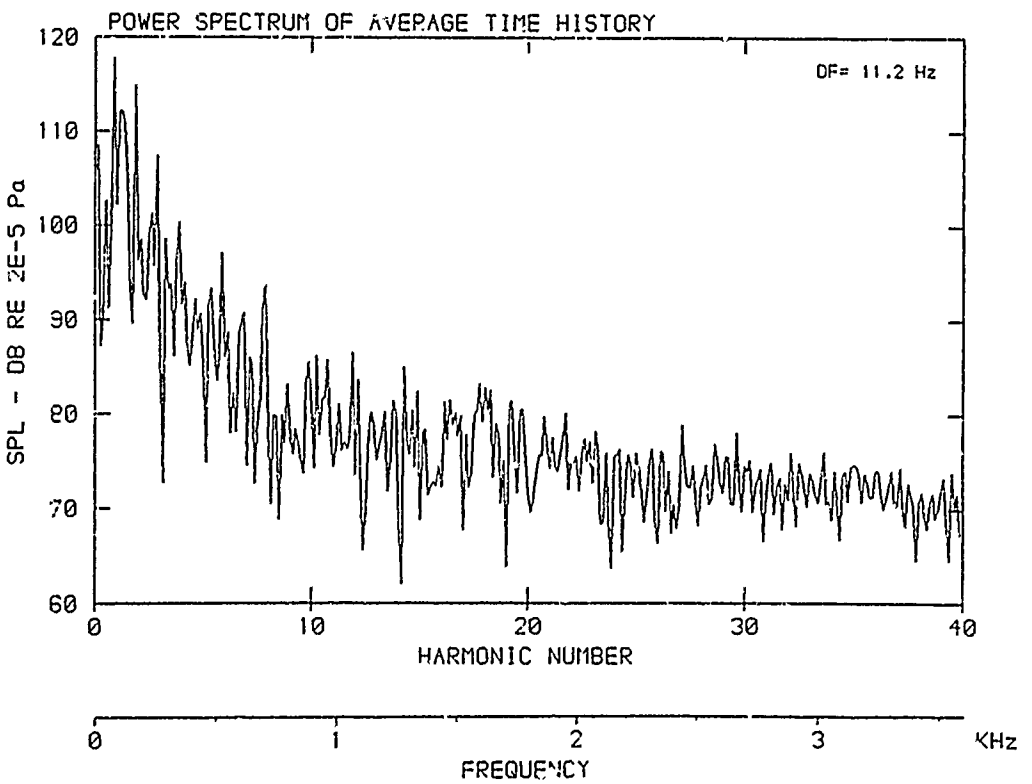




DATA POINT: BN-6 RUN: 51 MP: 7

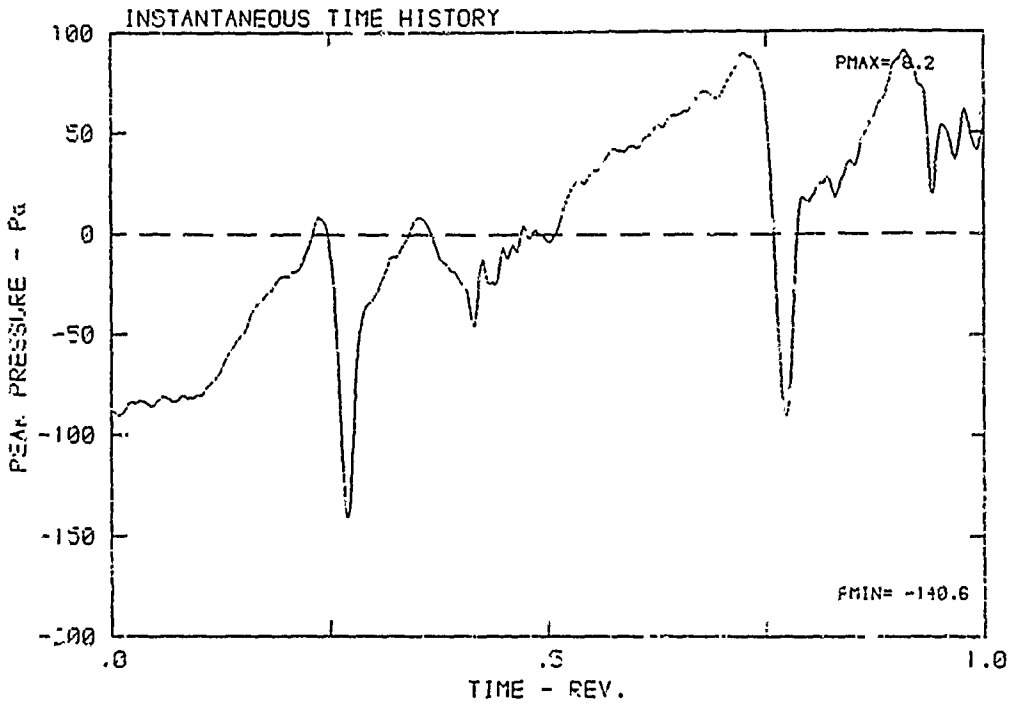
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

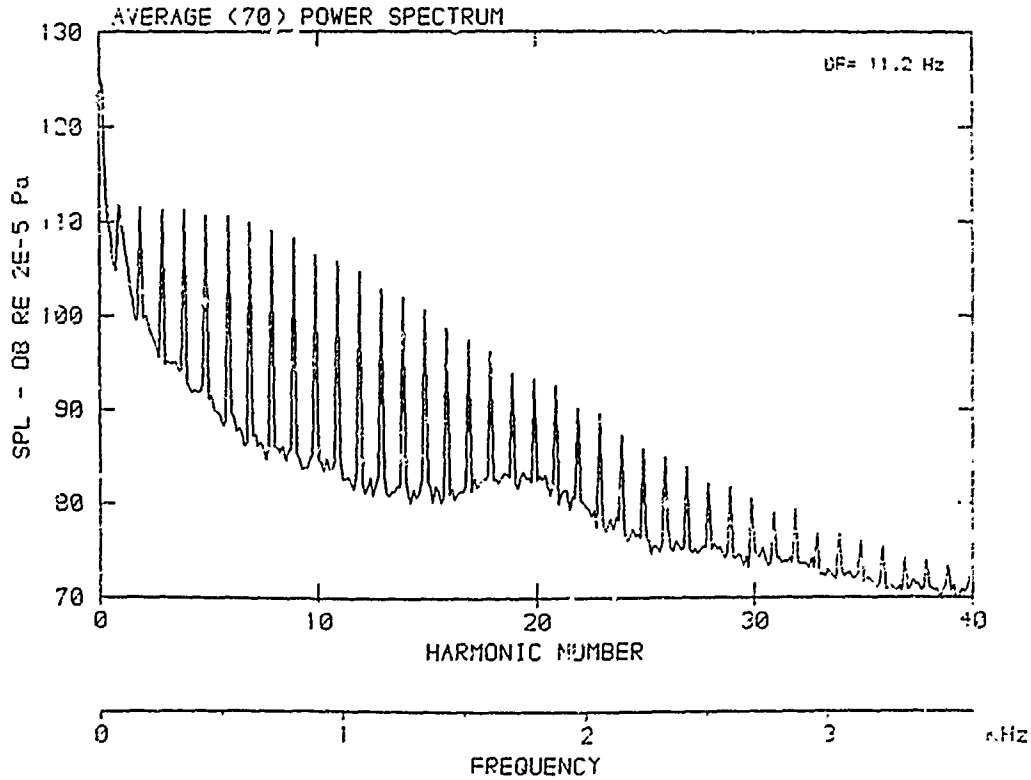




DATA POINT: BN-6 RUN: 51 MP: 8

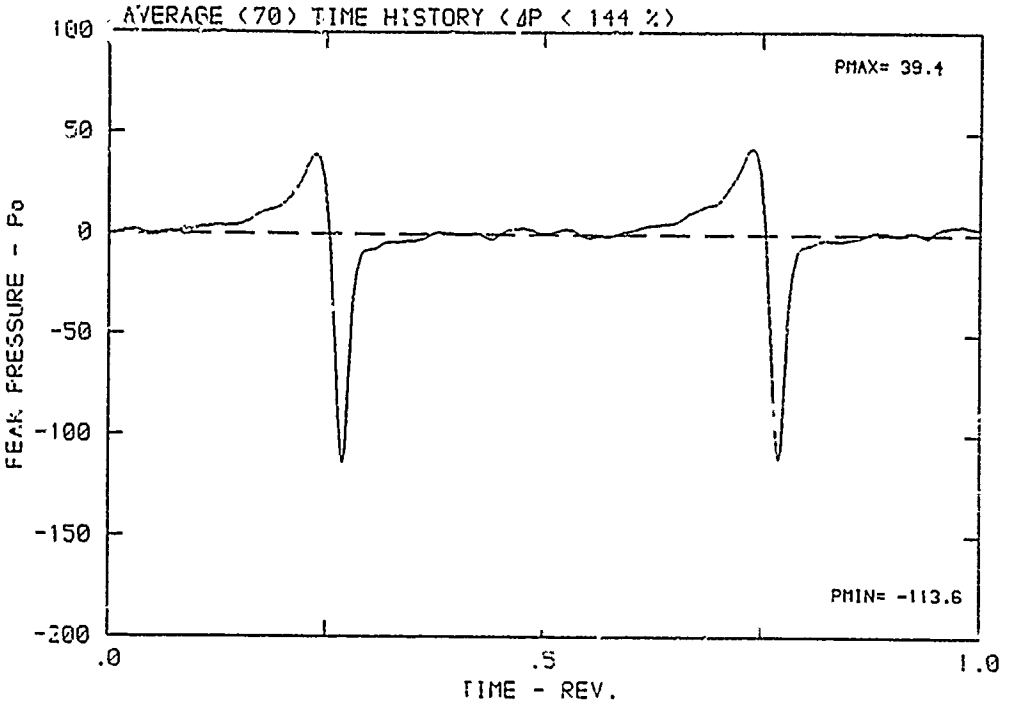
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

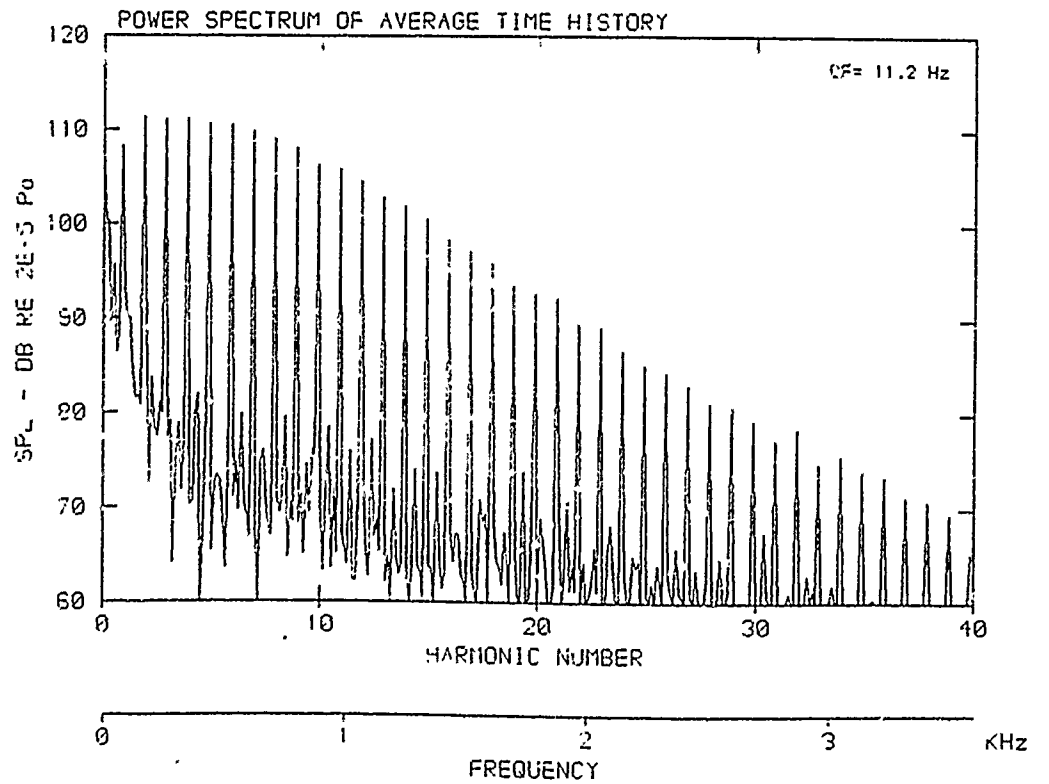




DATA POINT: BN-6 RUN: 51 MP: 8

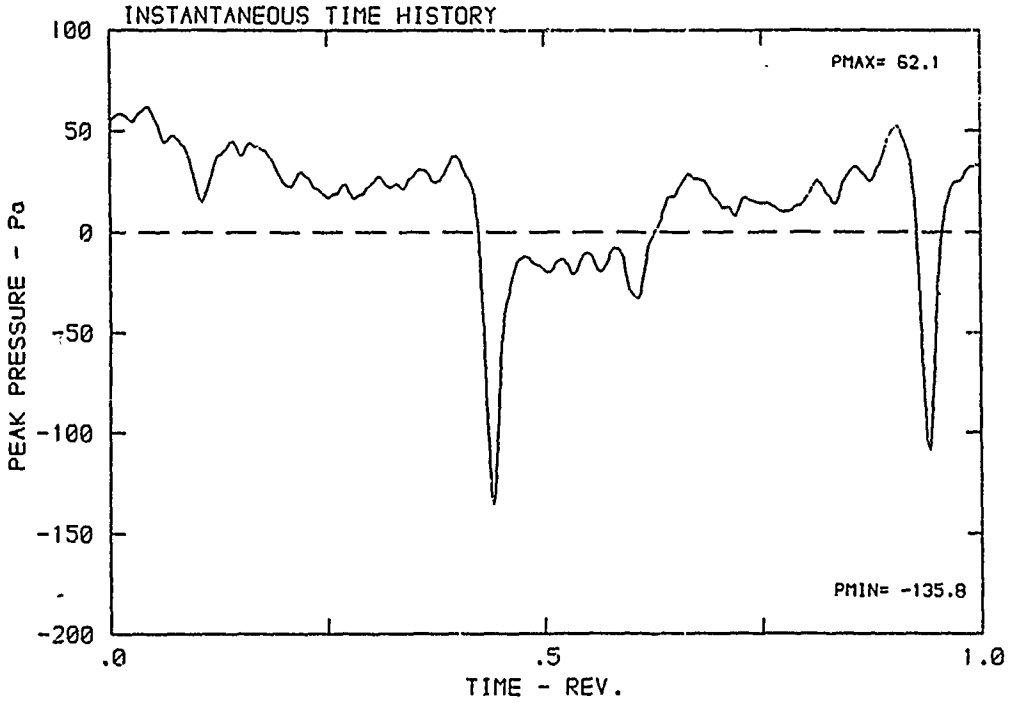
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

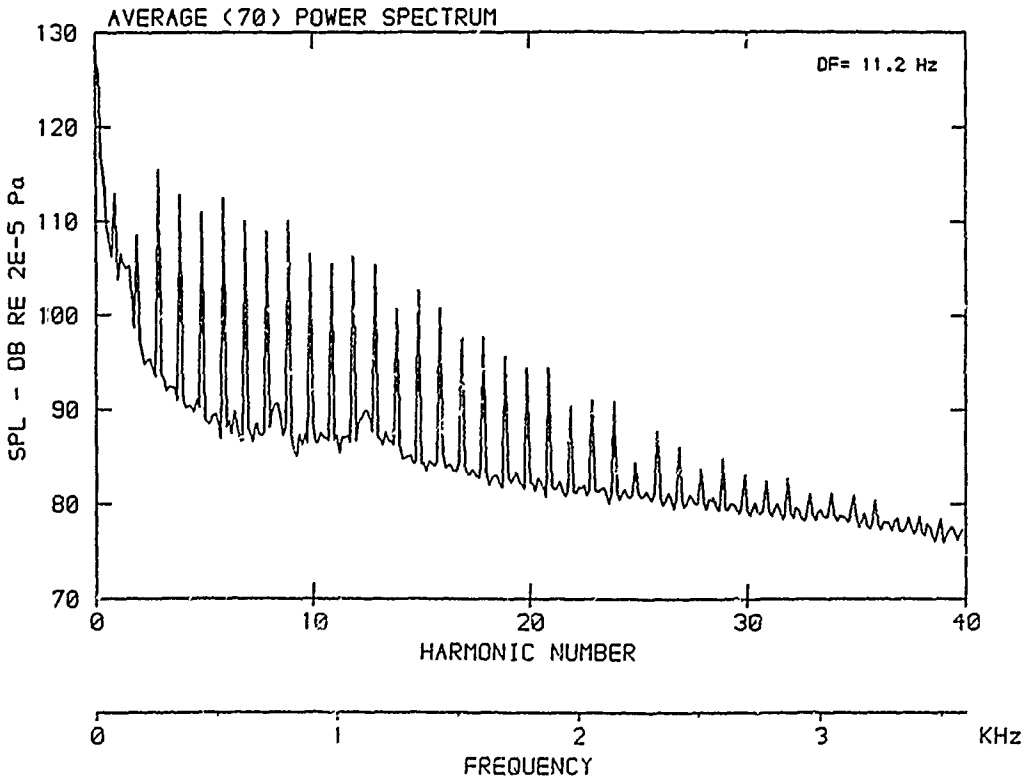




DATA POINT: BN-6	RUN: 51	MP: 9

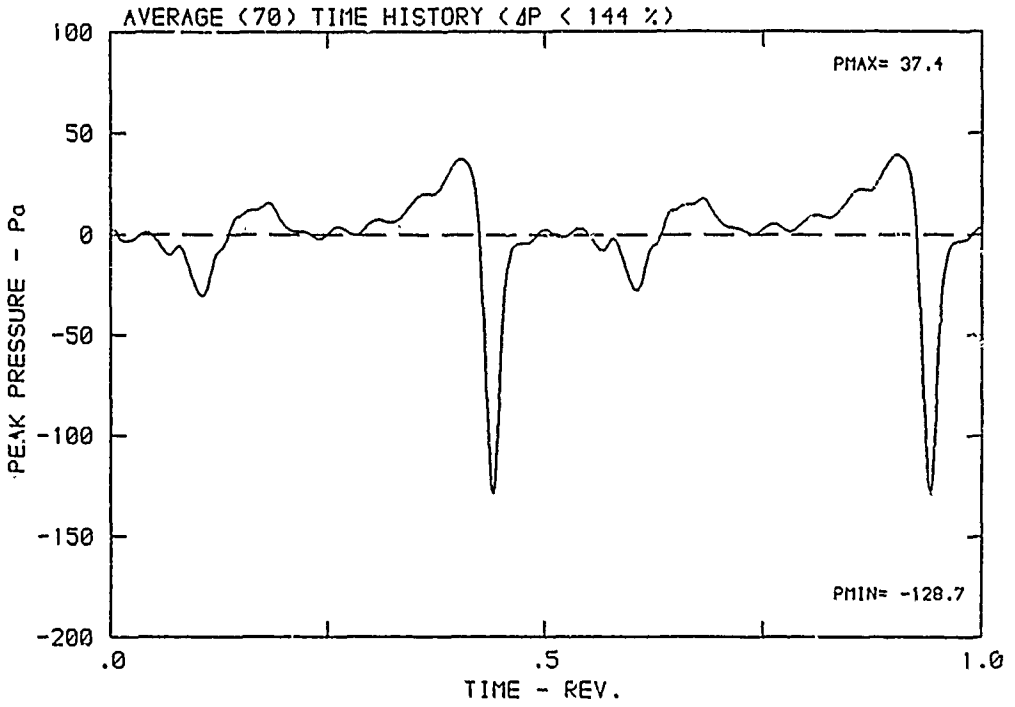
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

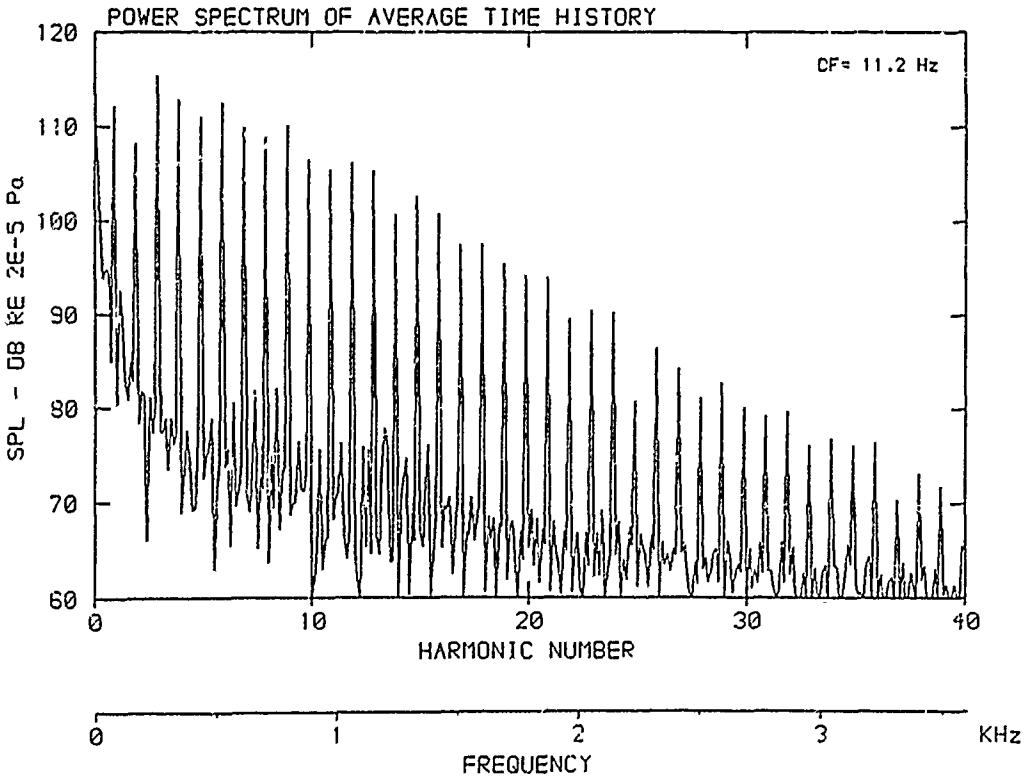




DATA POINT: BN-6 RUN: 51 MP: 9

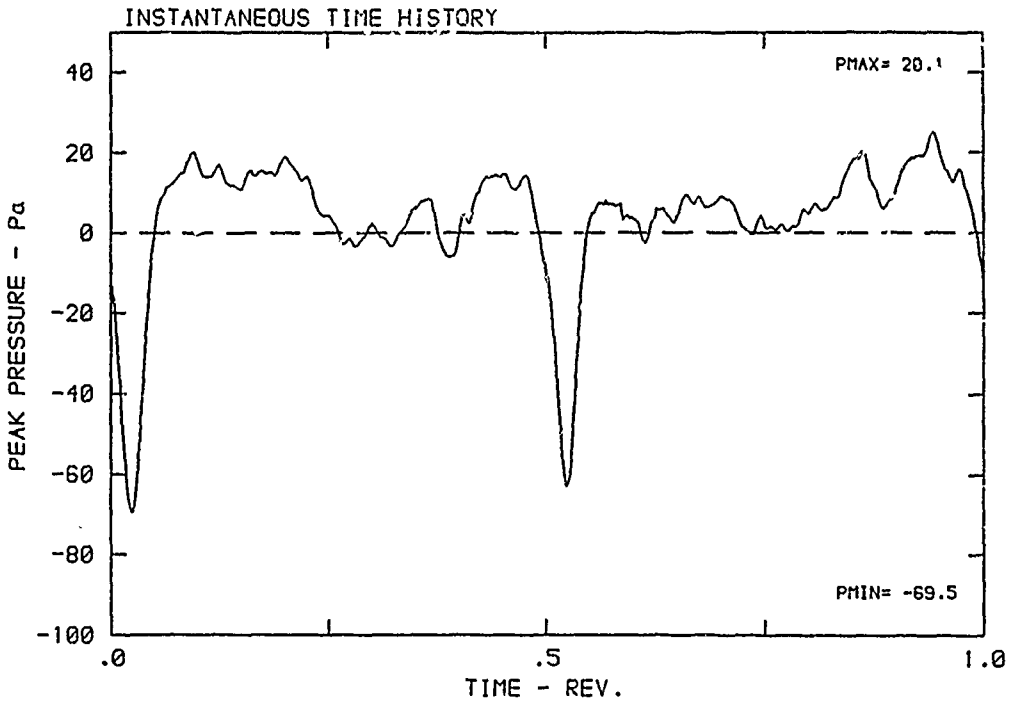
β: 19.9° MH: .8758 n: 2700 rpm v/u: .269 ϕ: .0° T: 287.0 K

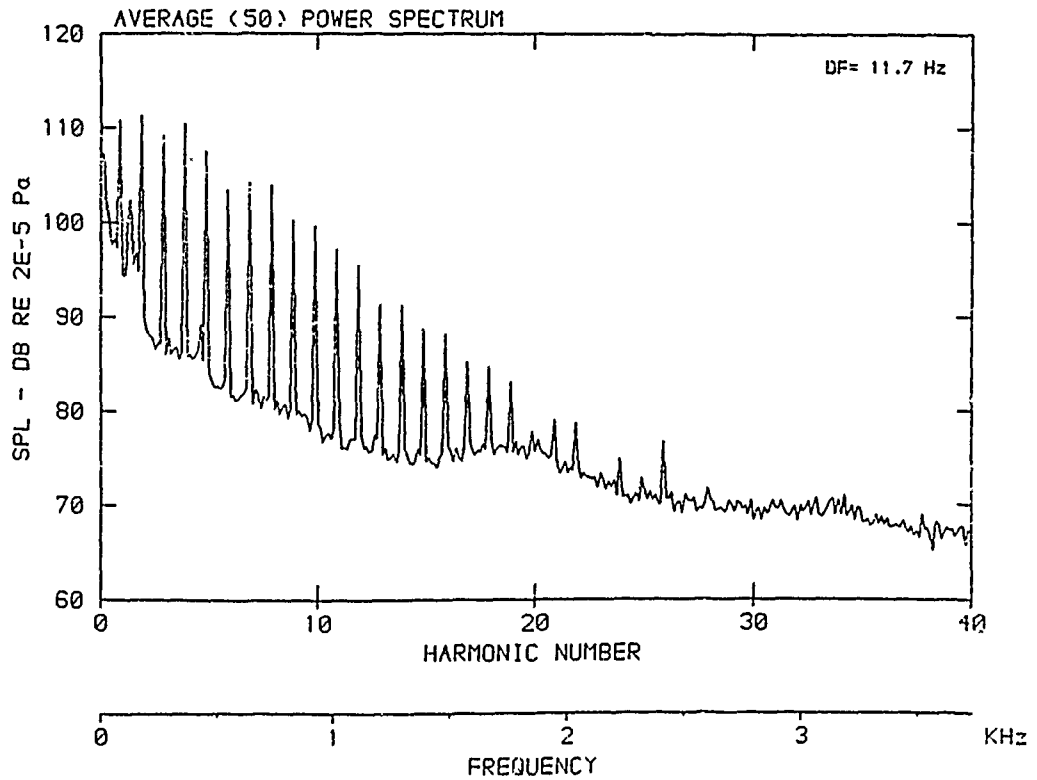




DATA POINT: BN-61 RUN: 52 MP: 1

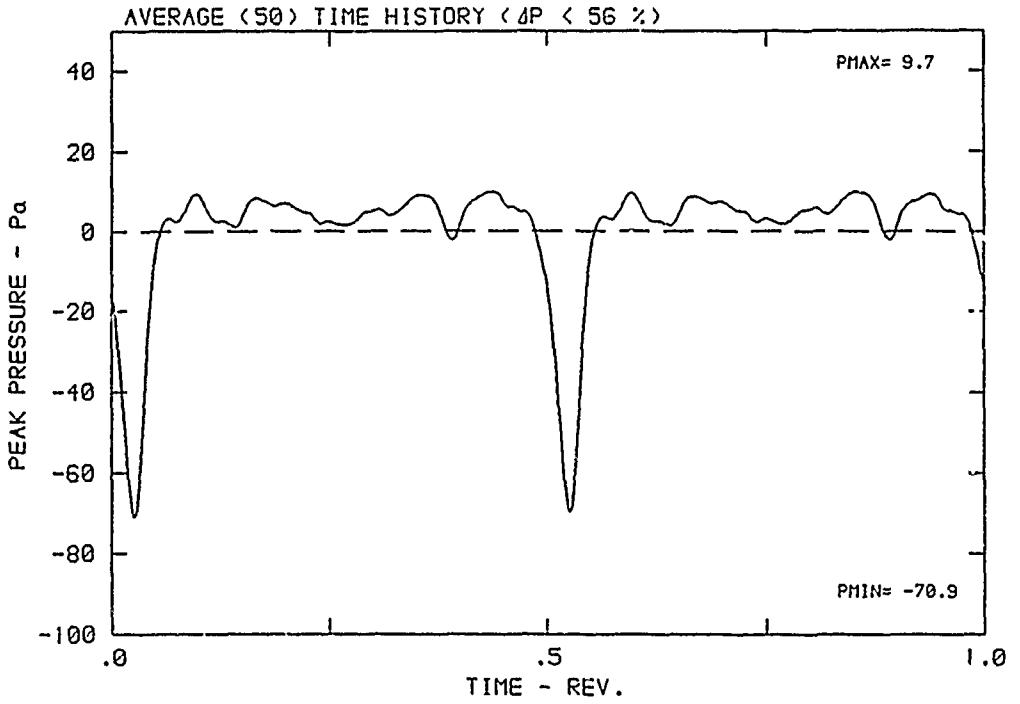
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

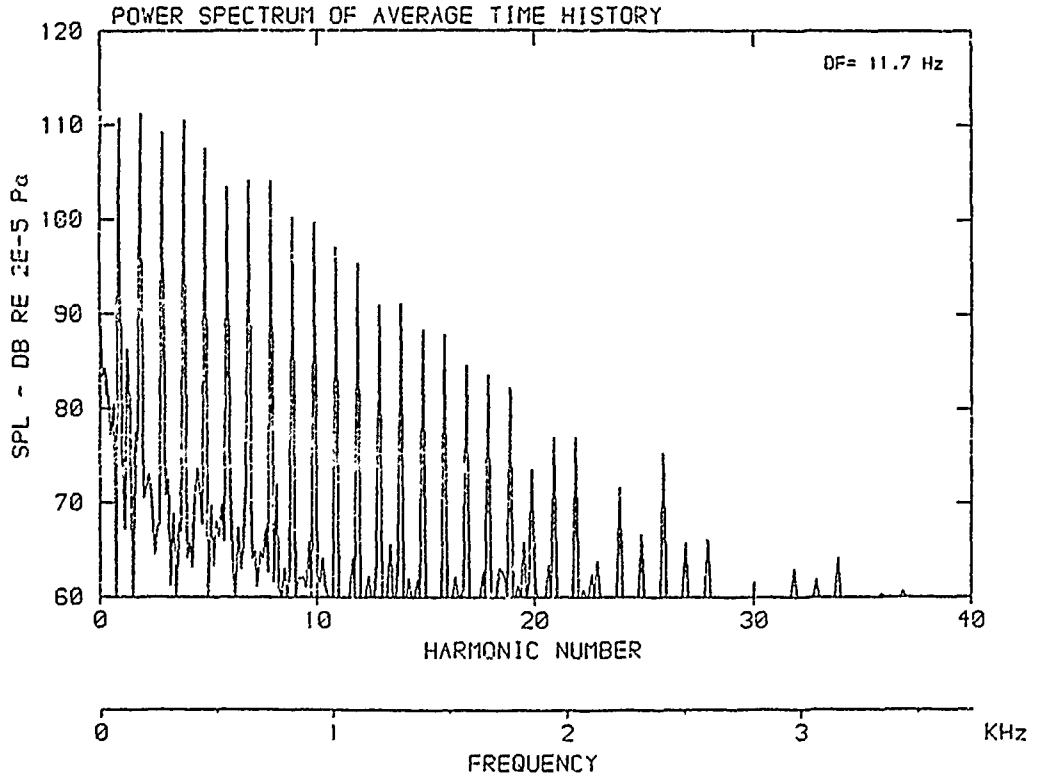




DATA POINT: BN-61 RUN: 52 MP: 1

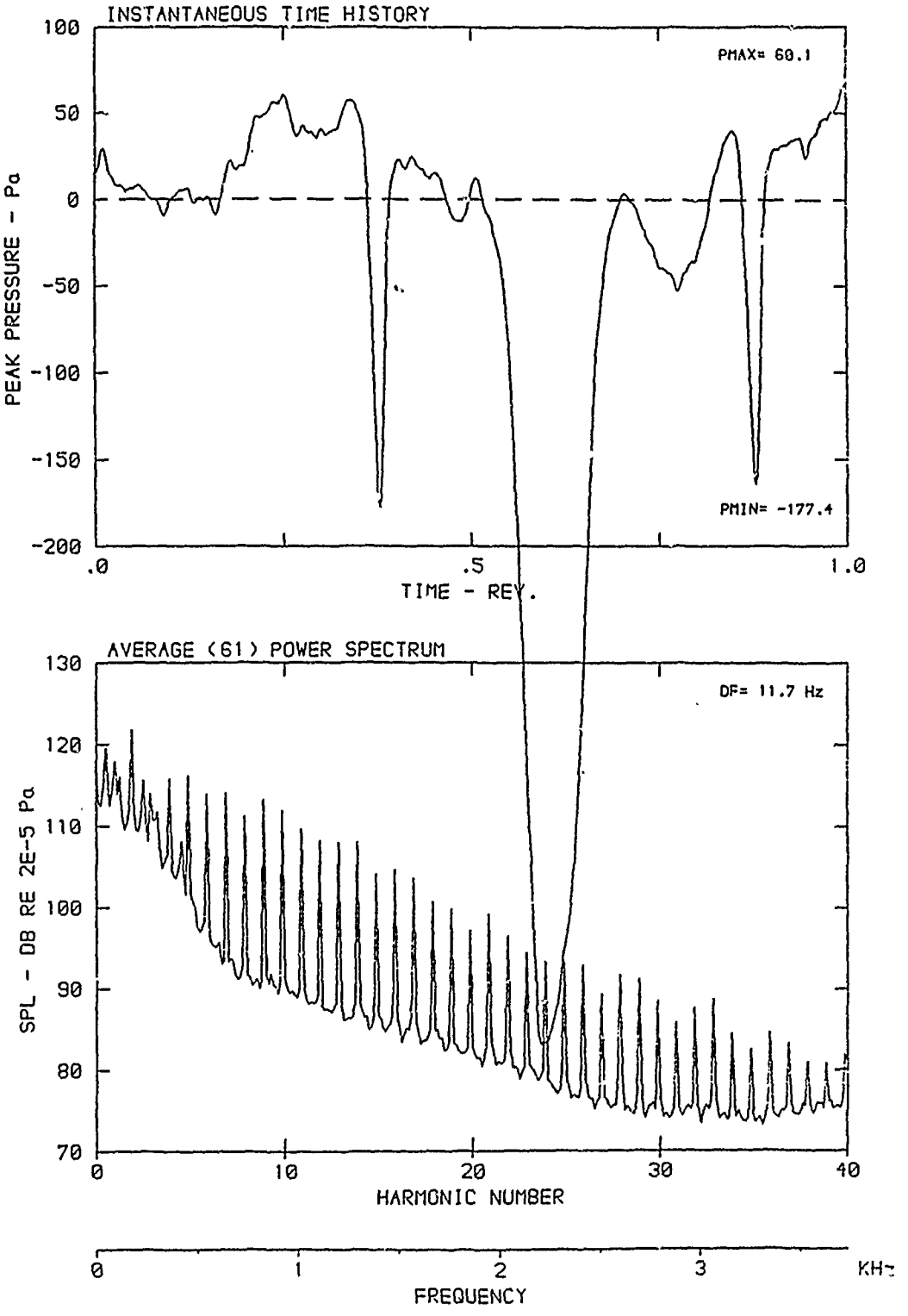
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K





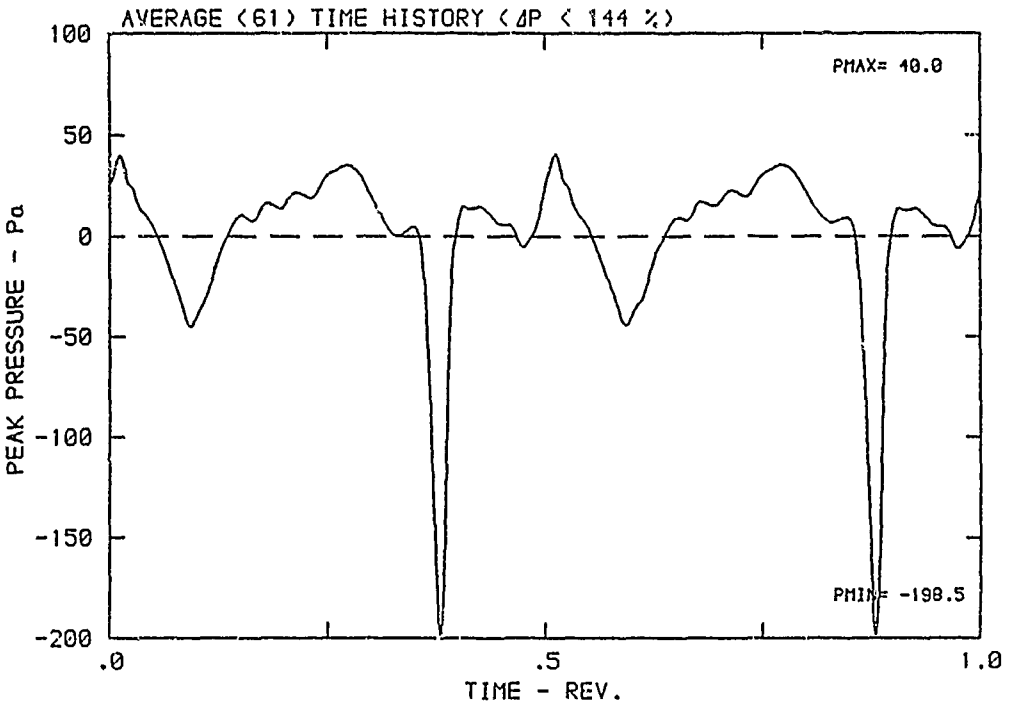
DATA POINT: BN-61 RUN: 52 MP: 2

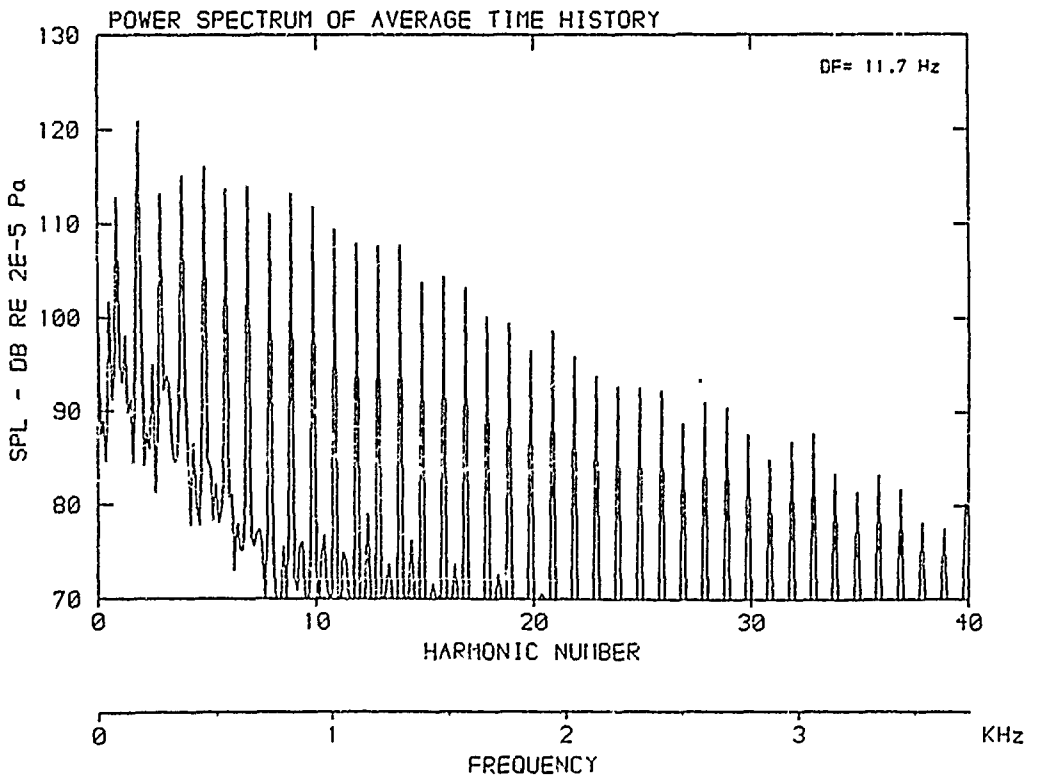
β: 19.9° MH: .9026 n: 2800 rpm v/u: .253 ϕ: ,0° T: ∠89.0 K



DATA POINT: BN-61 RUN: 52 MP: 2

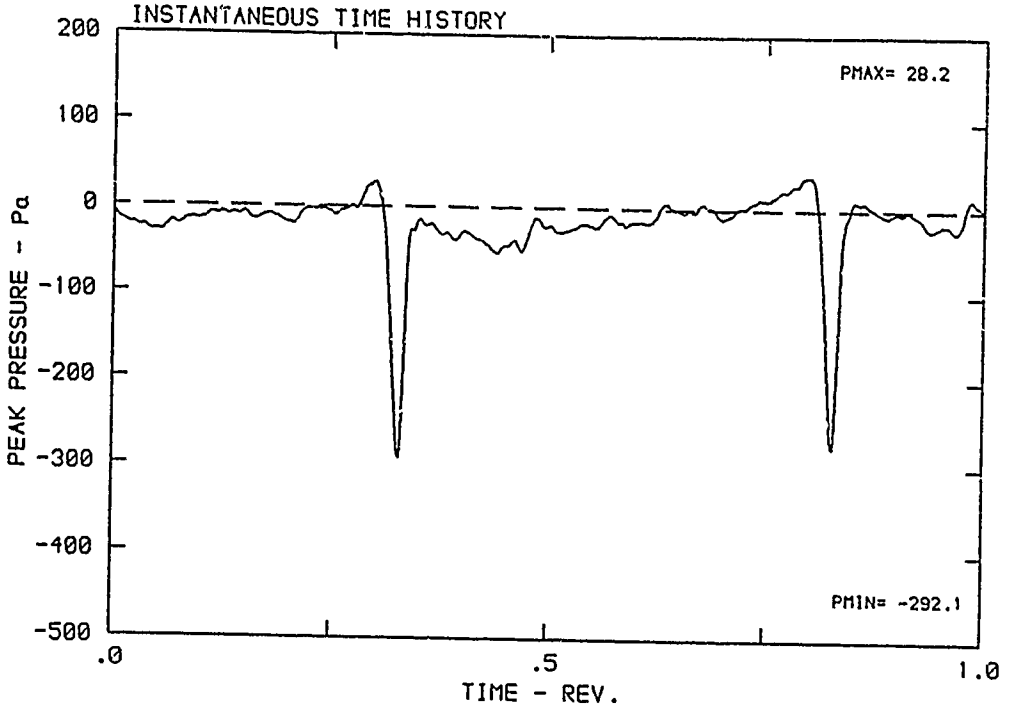
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

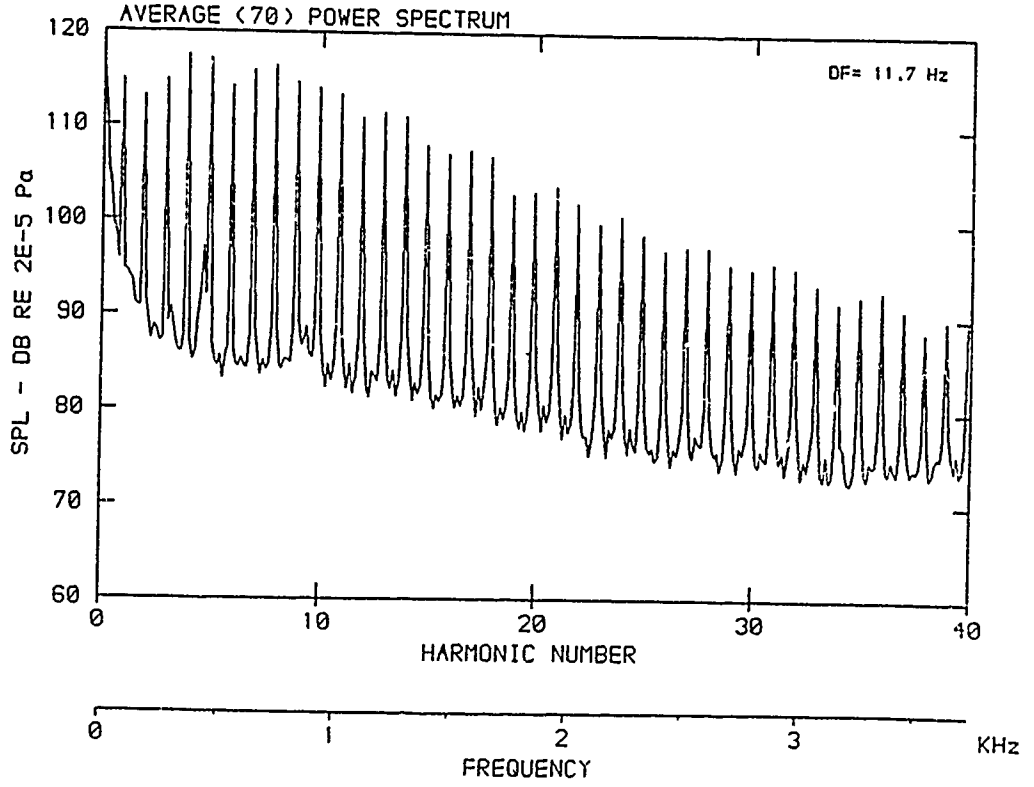




DATA POINT: BN-61 RUN: 52 MP: 3

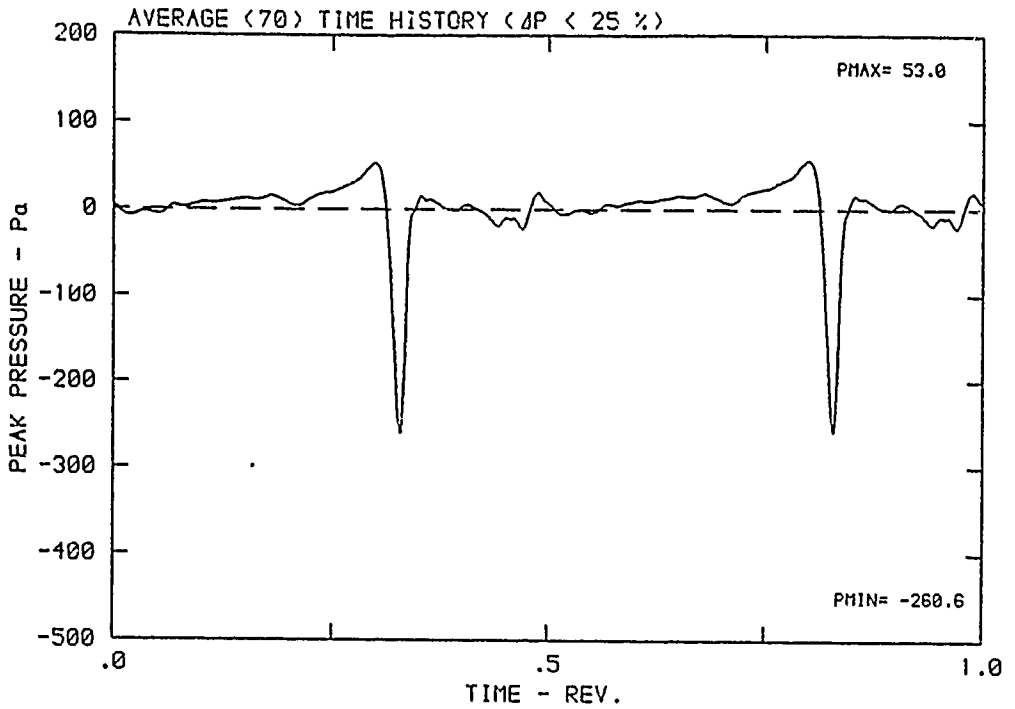
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

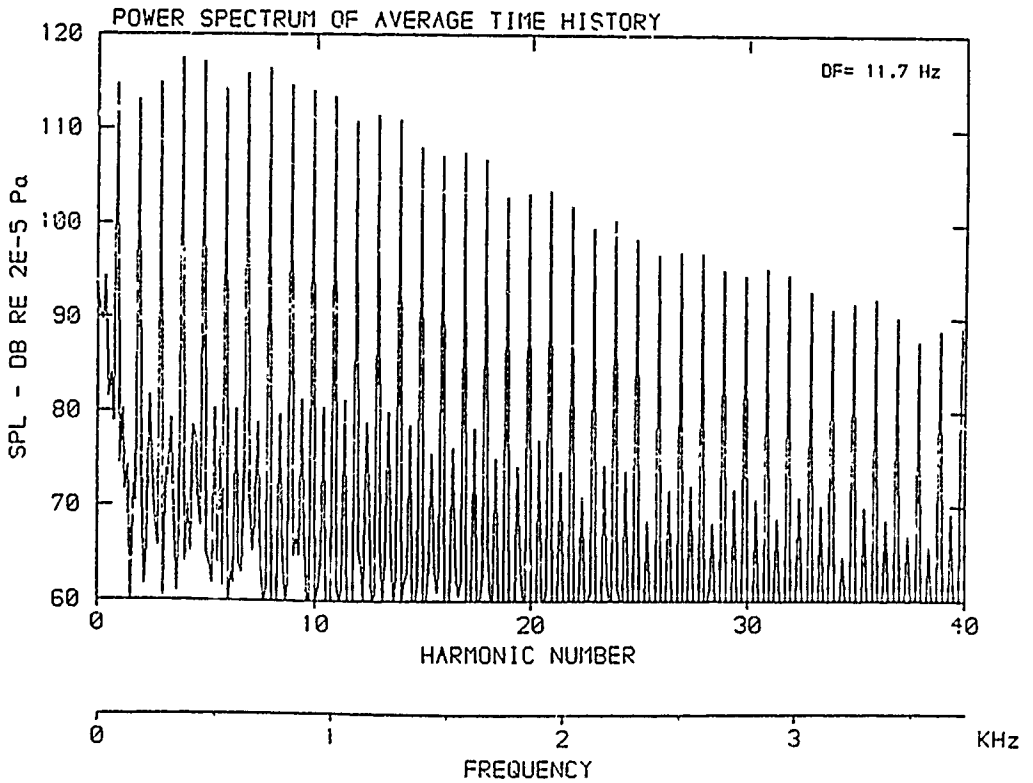




DATA POINT: BN-61 RUN: 52 MP: 3

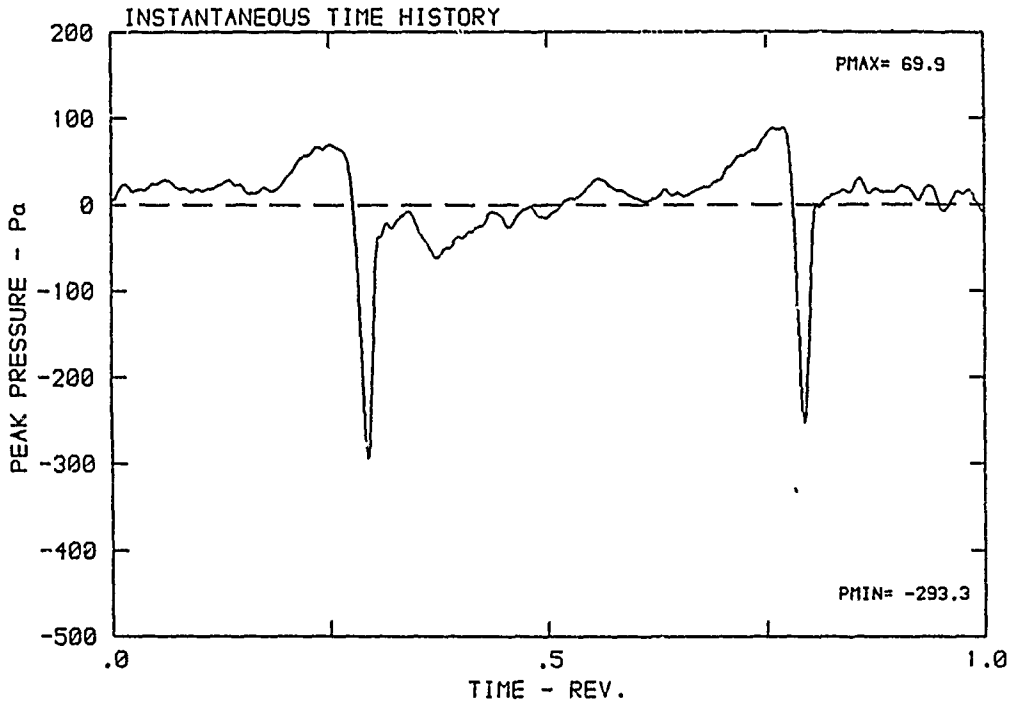
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

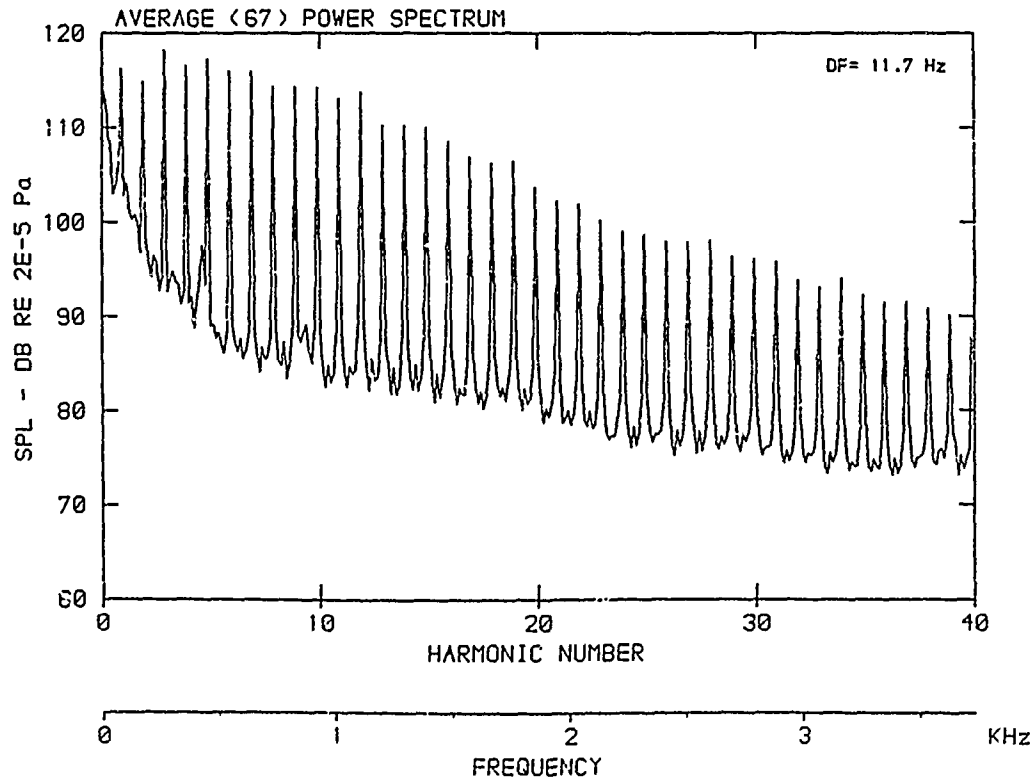




DATA POINT: BN-61 RUN: 52 MP: 4

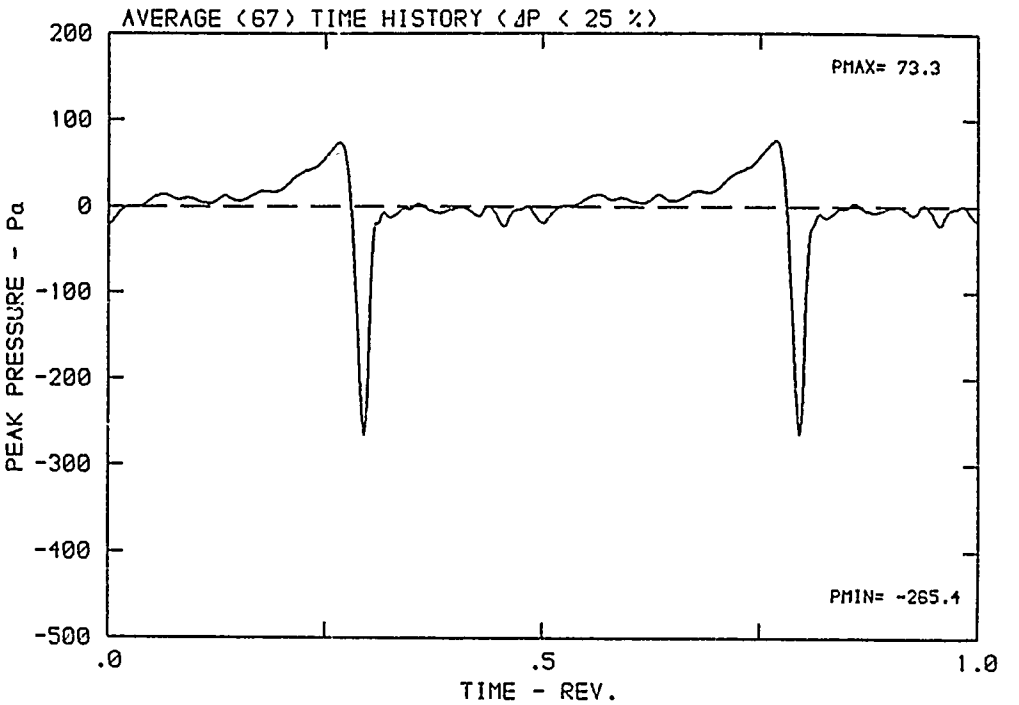
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

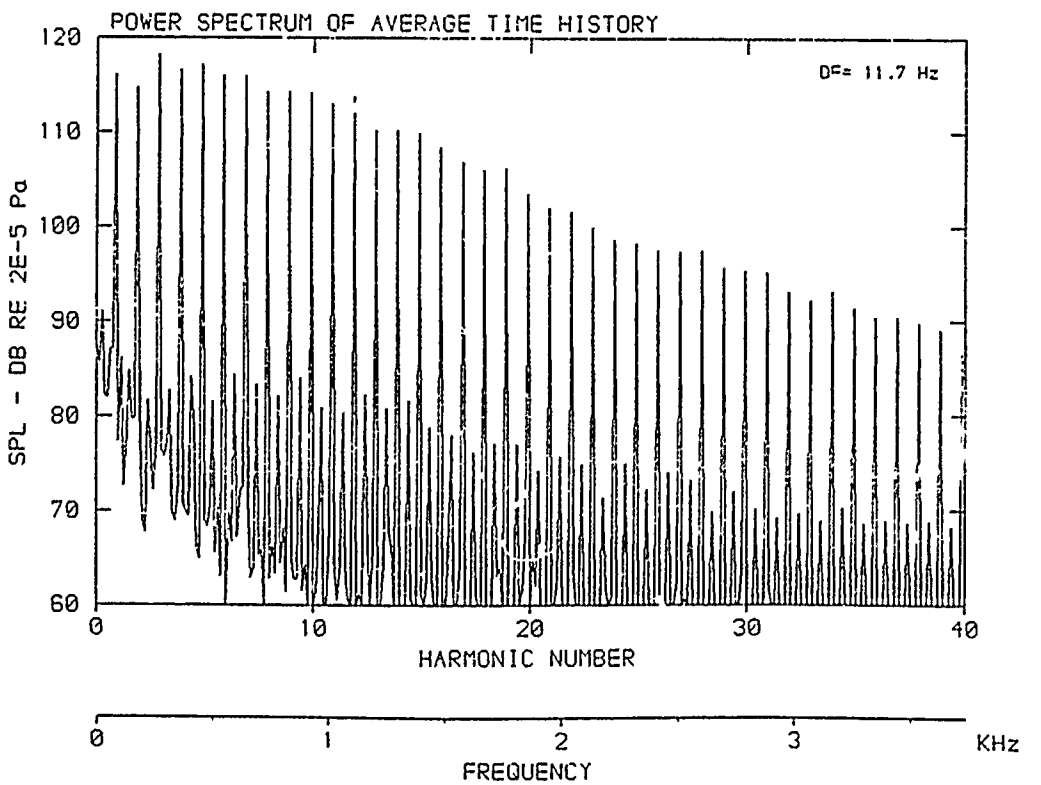




DATA POINT: BN-61 RUN: 52 MP: 4

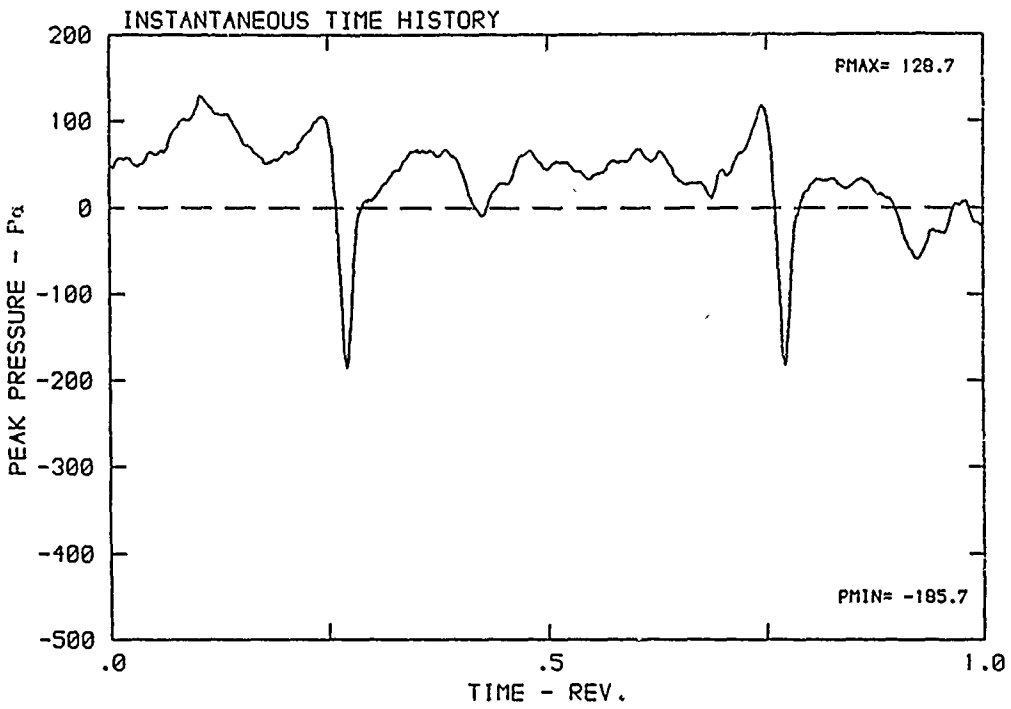
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

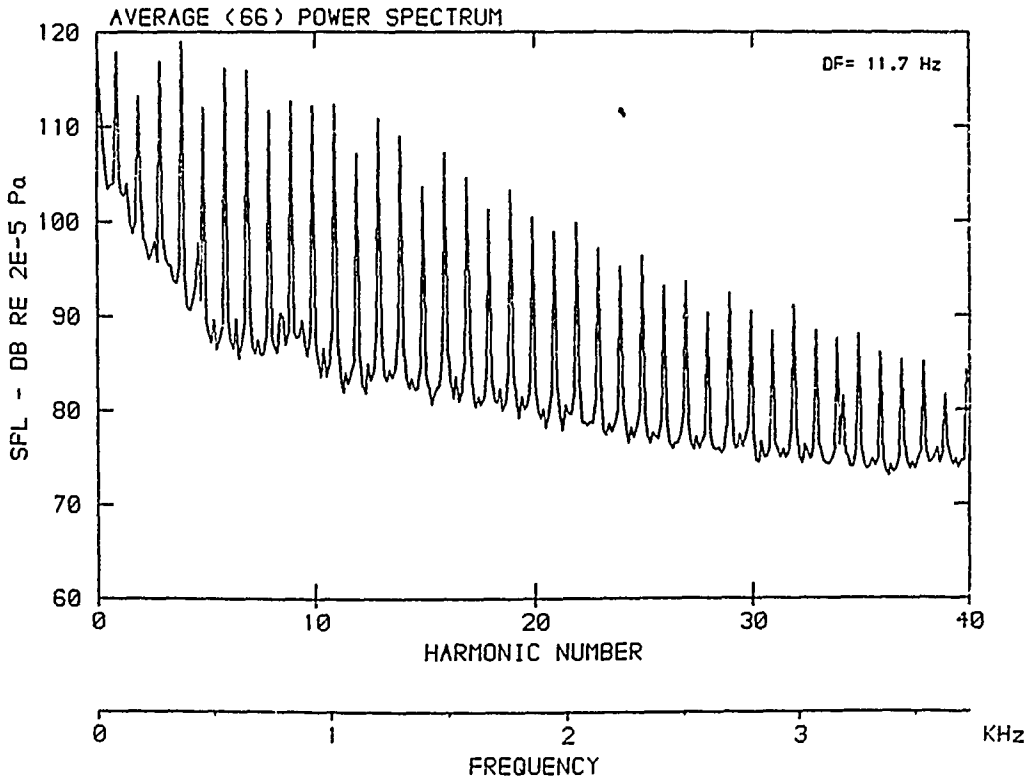




DATA POINT: BN-61 RUN: 52 MP: 5

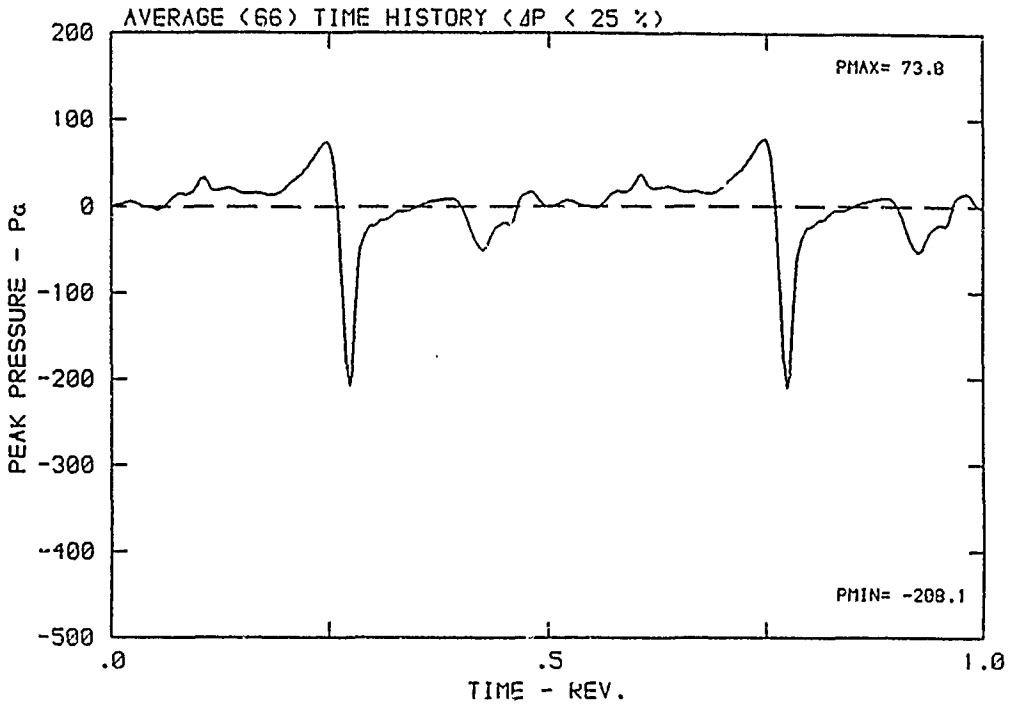
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

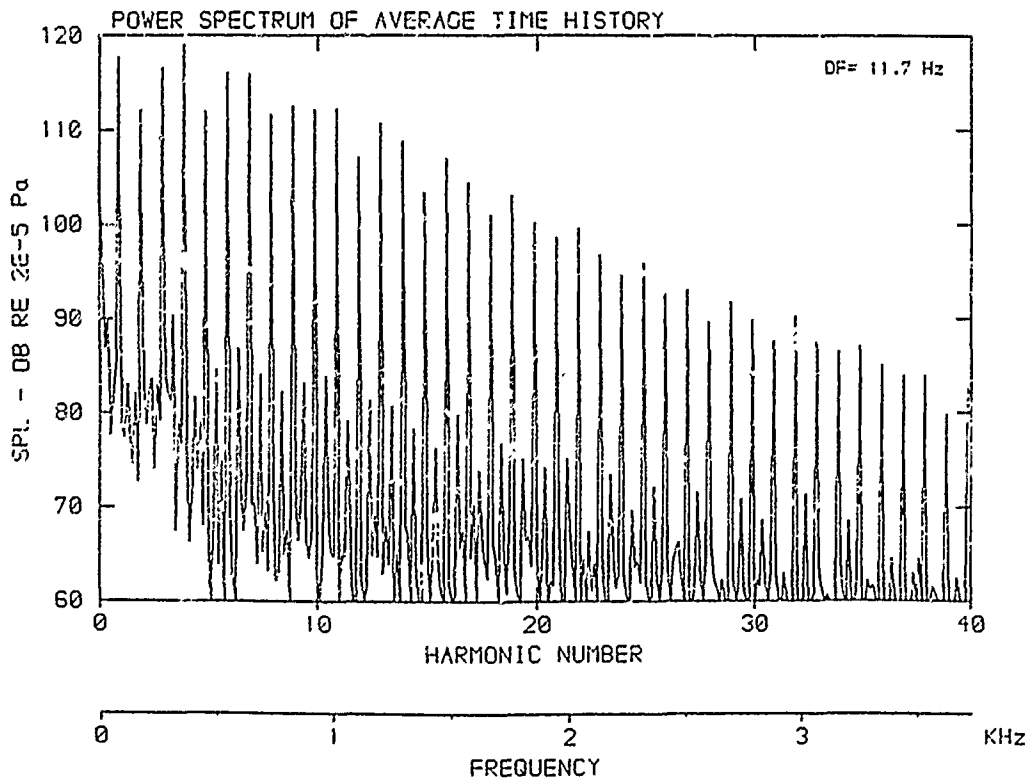




DATA POINT: BN-61 RUN: 52 MP: 5

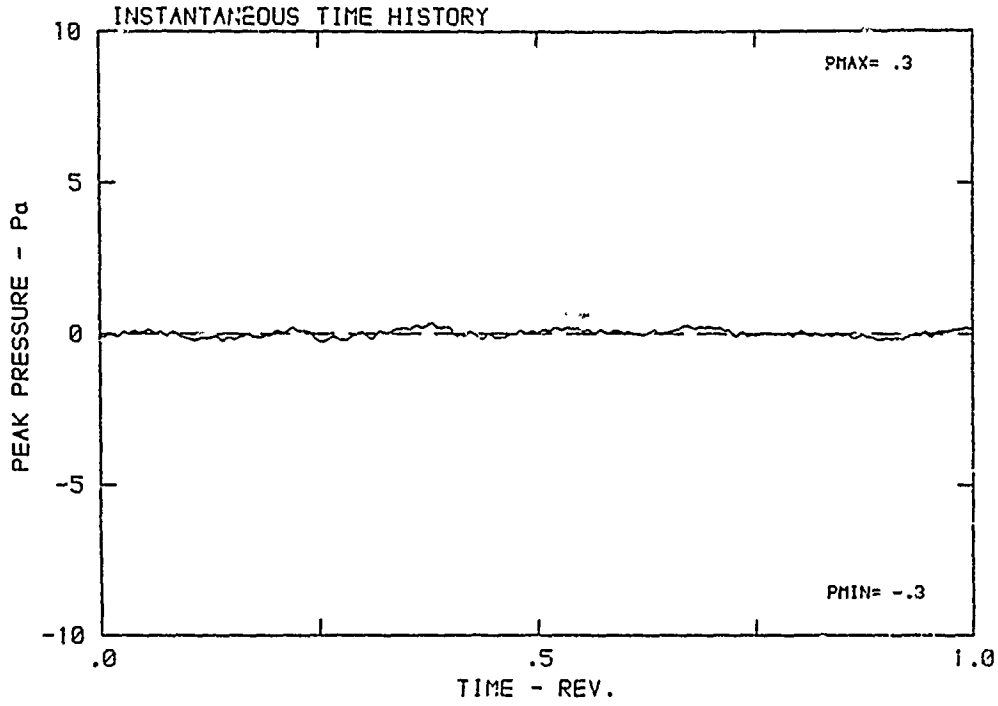
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

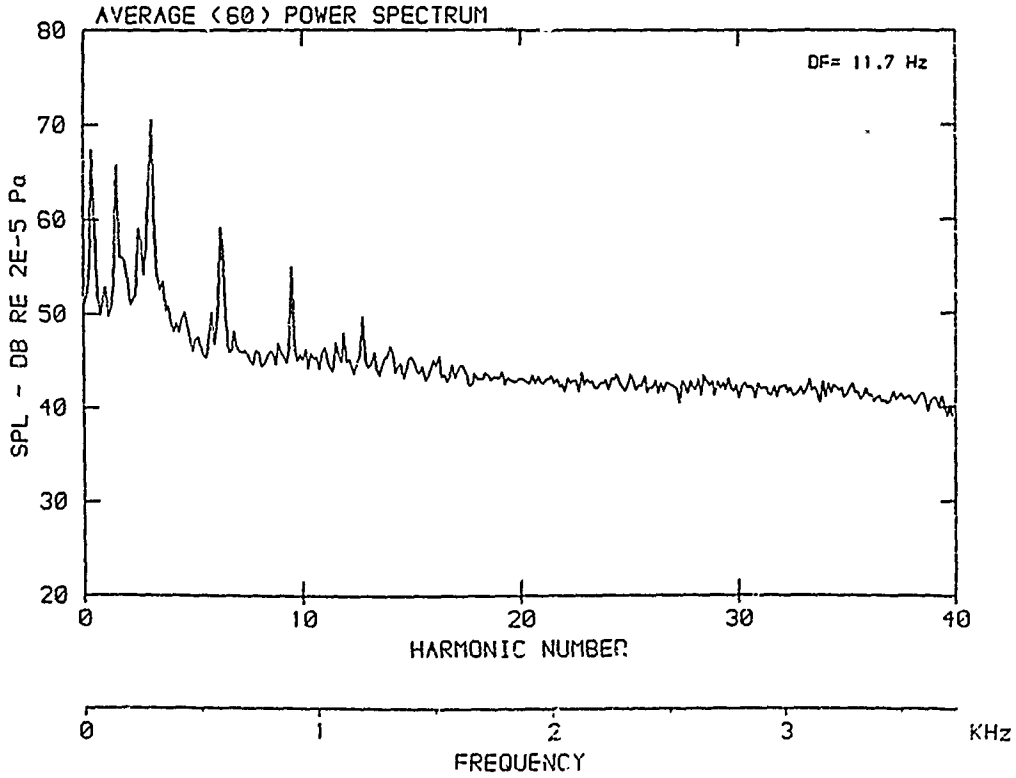




DATA POINT: BN-61 RUN: 52 MP: 6

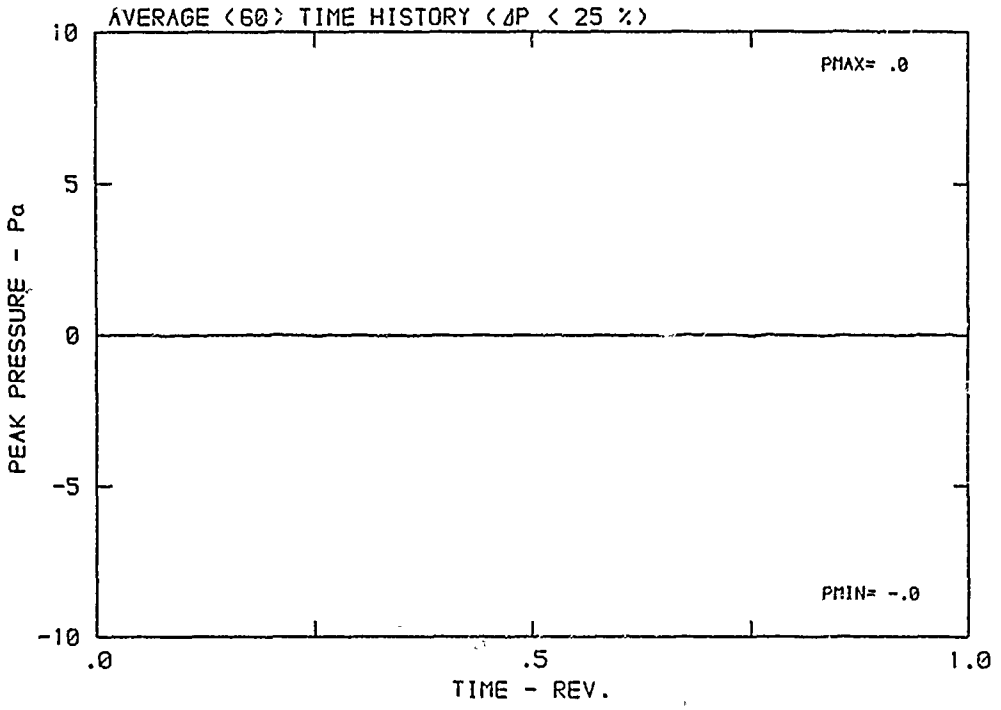
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

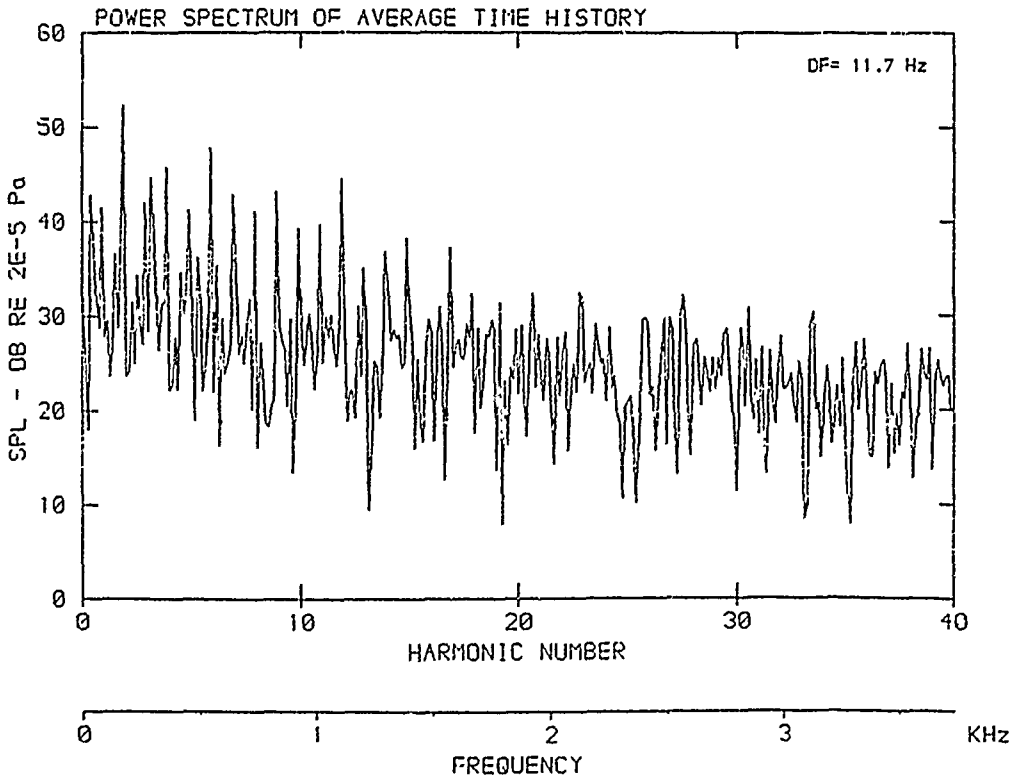




DATA POINT: BN-61 RUN: 52 MP: 6

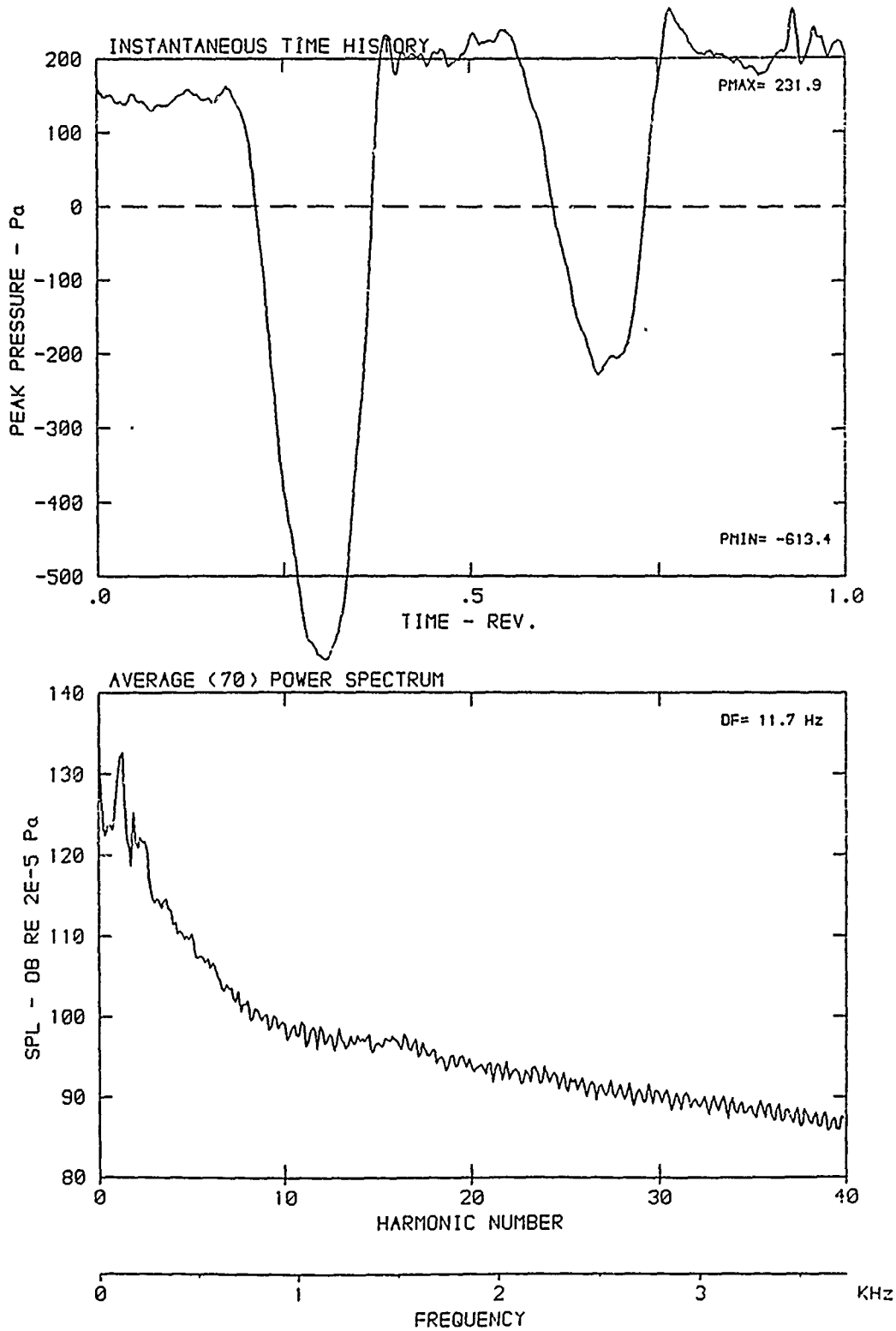
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K





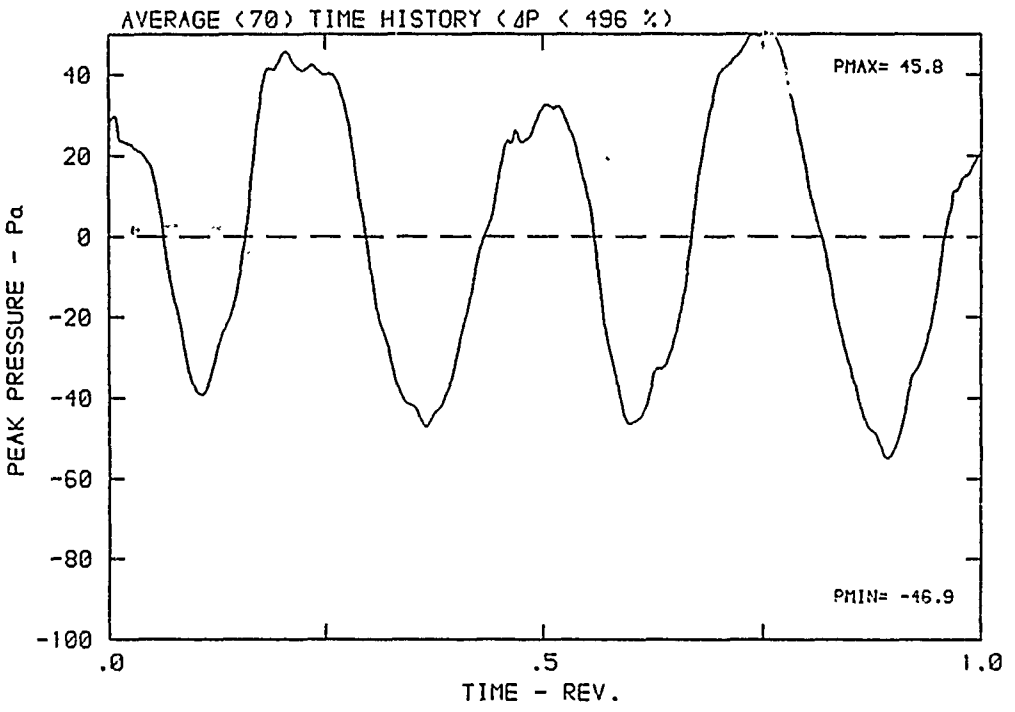
DATA POINT: BN-61 RUN: 52 MP: 7

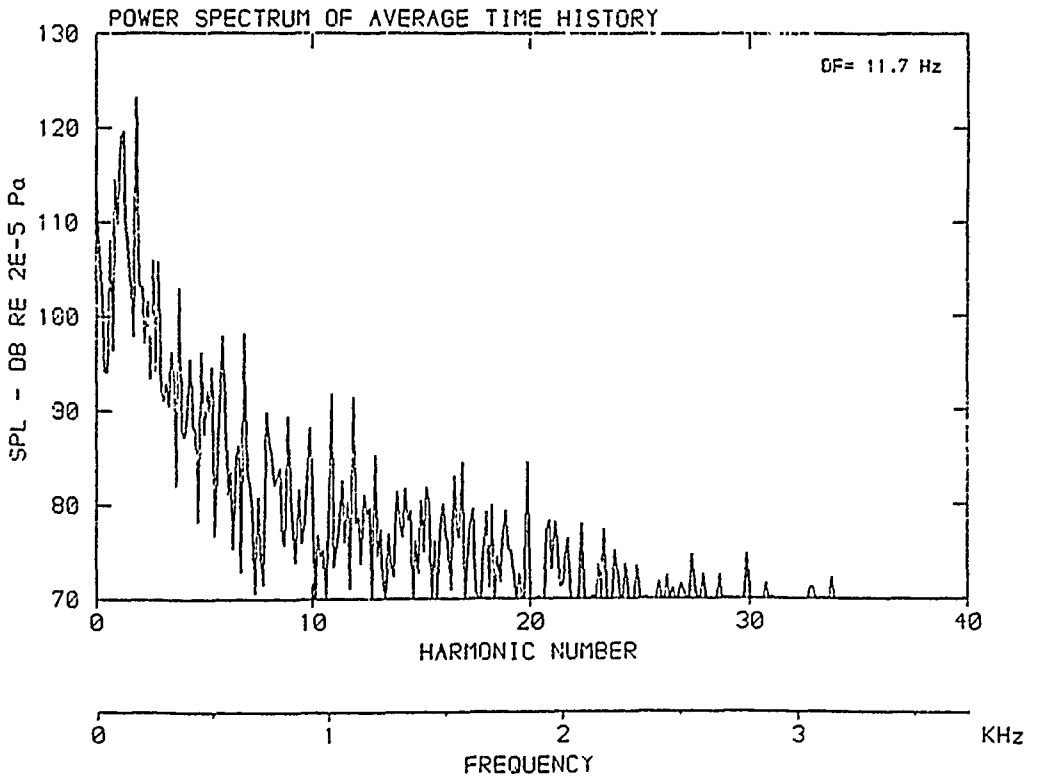
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K



DATA POINT: BN-61 RUN: 52 MP: 7

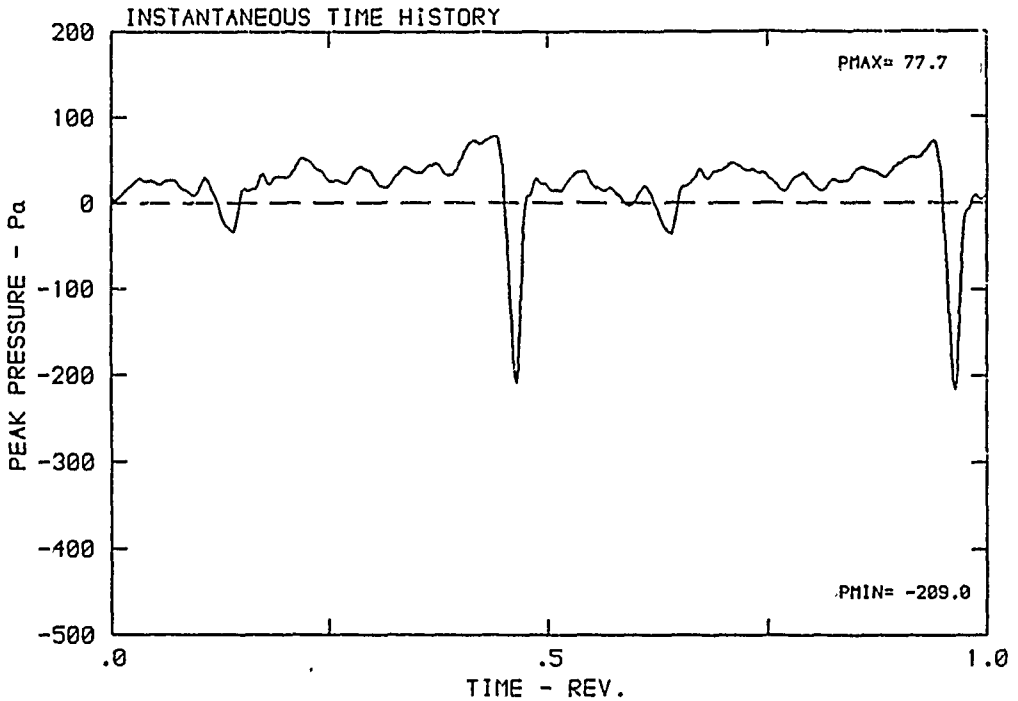
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

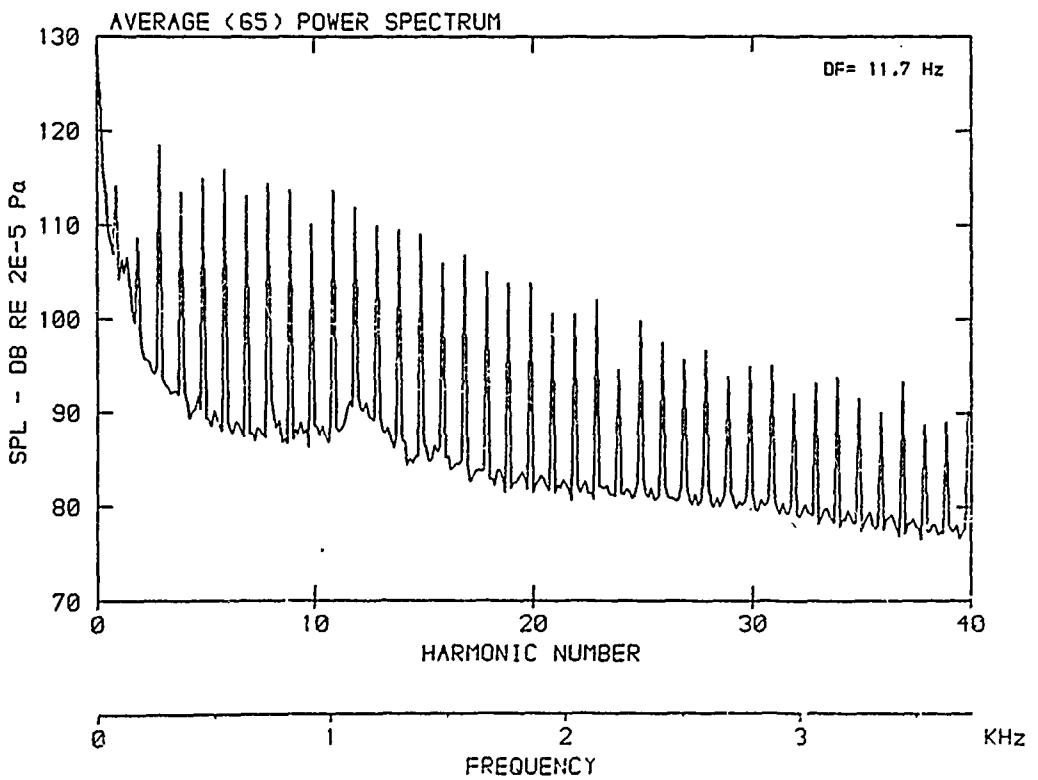




DATA POINT: BN-61 RUN: 52 MP: 9

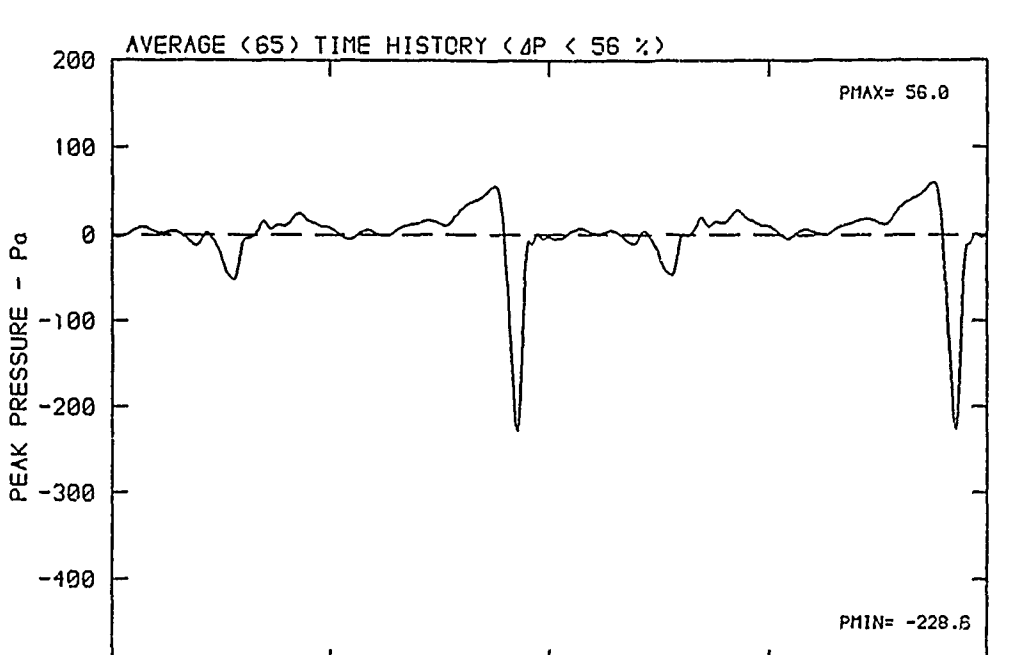
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

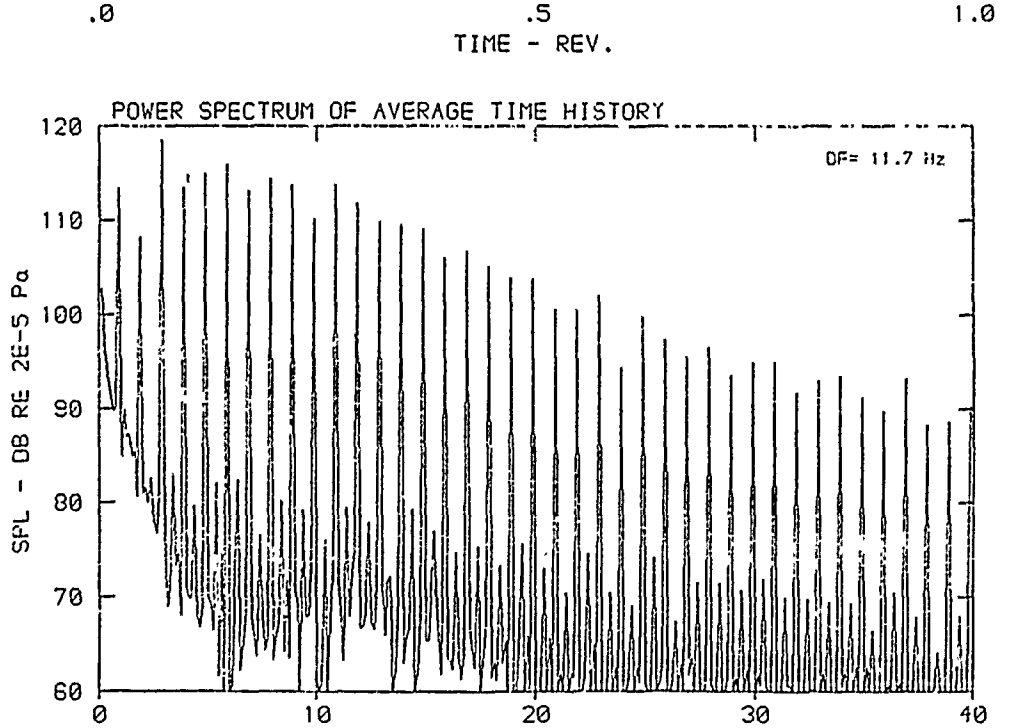




DATA POINT: BN-61 RUN: 52 MP: 9

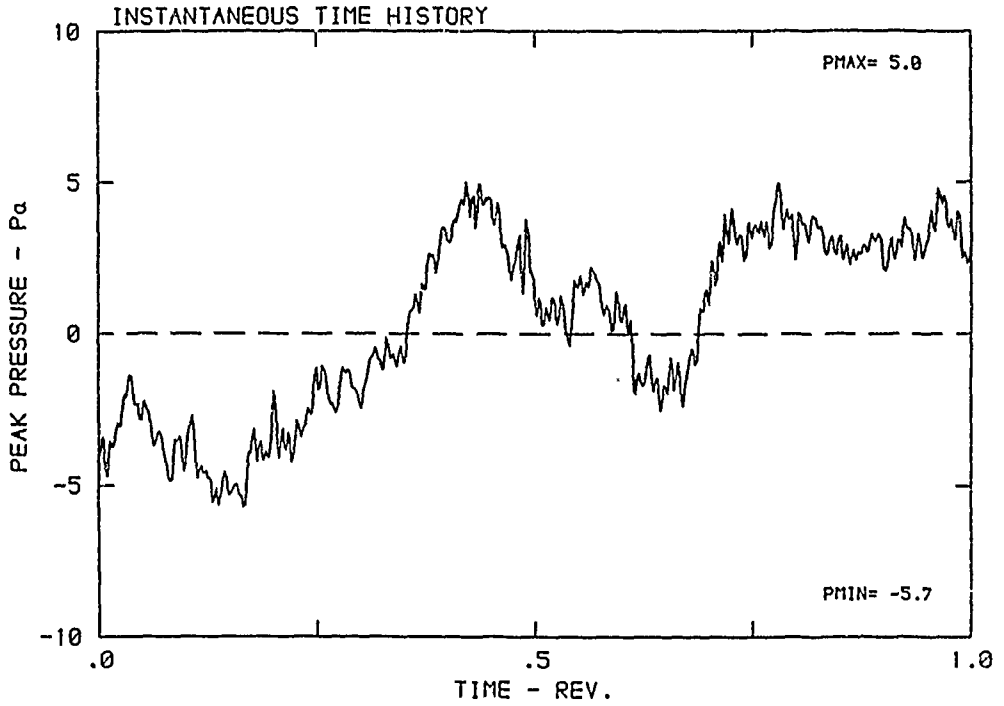
β: 19.9° MH: .9026 n: 2800 rpm v/u: .258 ϕ: .0° T: 289.0 K

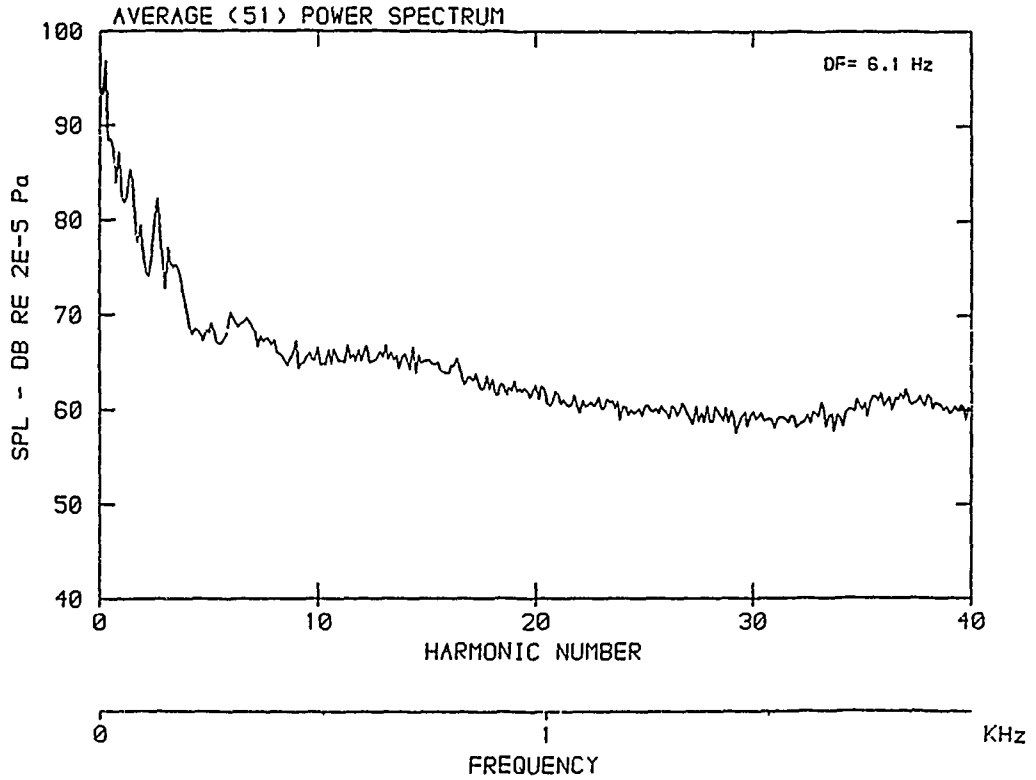




DATA POINT: BN-7 RUN: 55 MP: 1

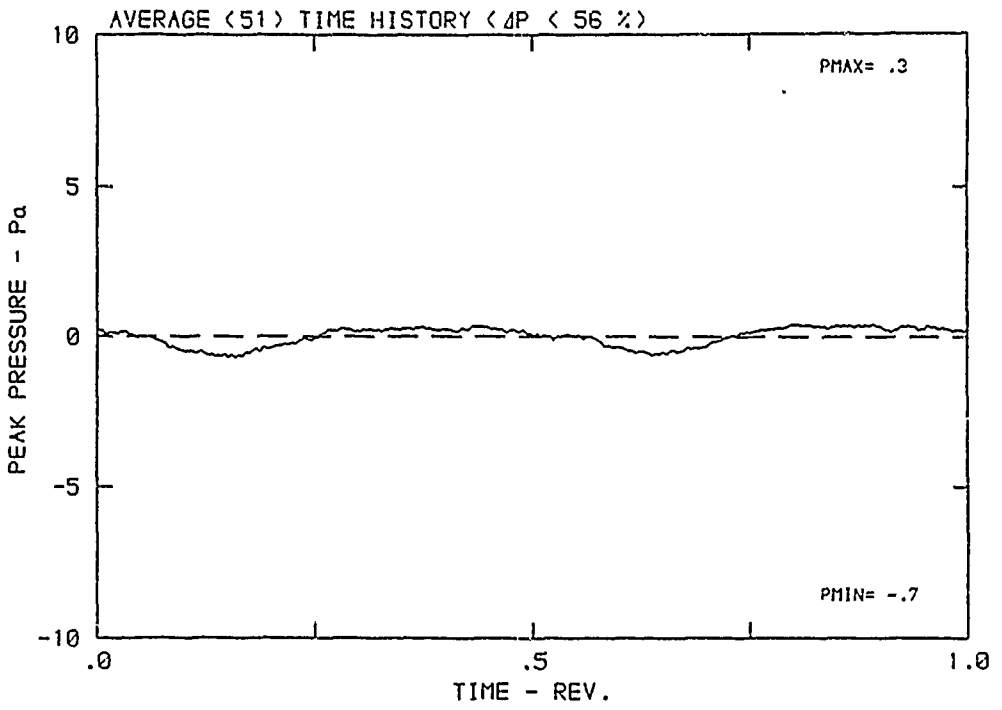
β: 19.9° MH: .4831 n: 1455 rpm v/u: .330 ϕ: .0° T: 287.3 K

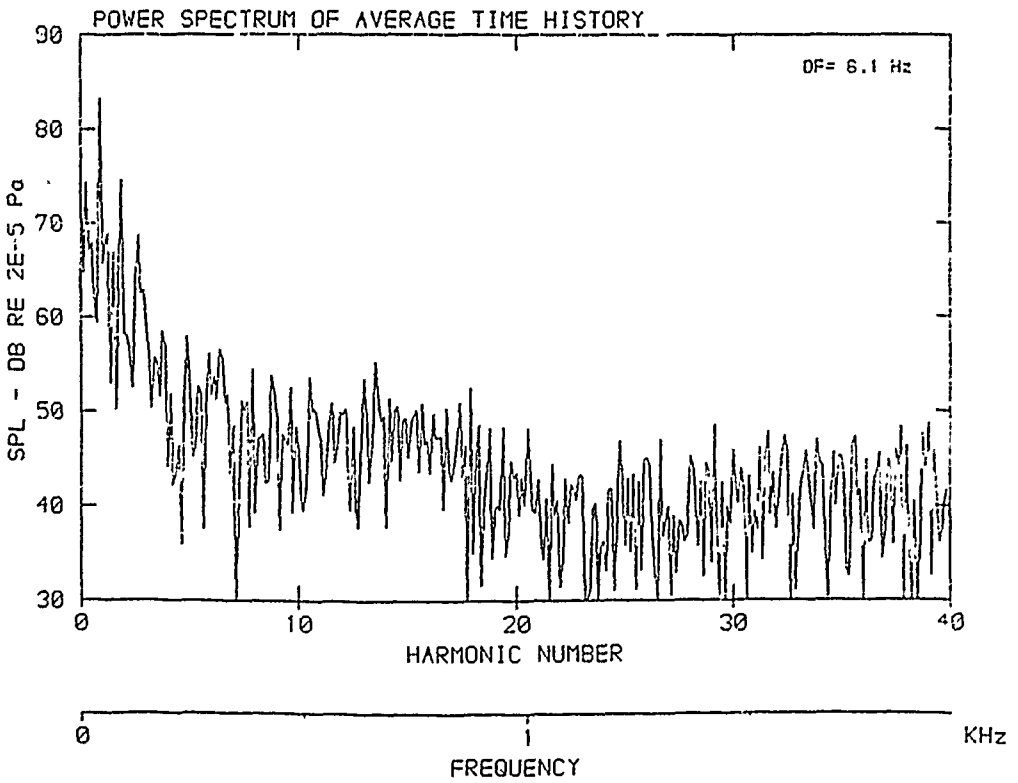




DATA POINT: BN-7 RUN: 55 MP: 1

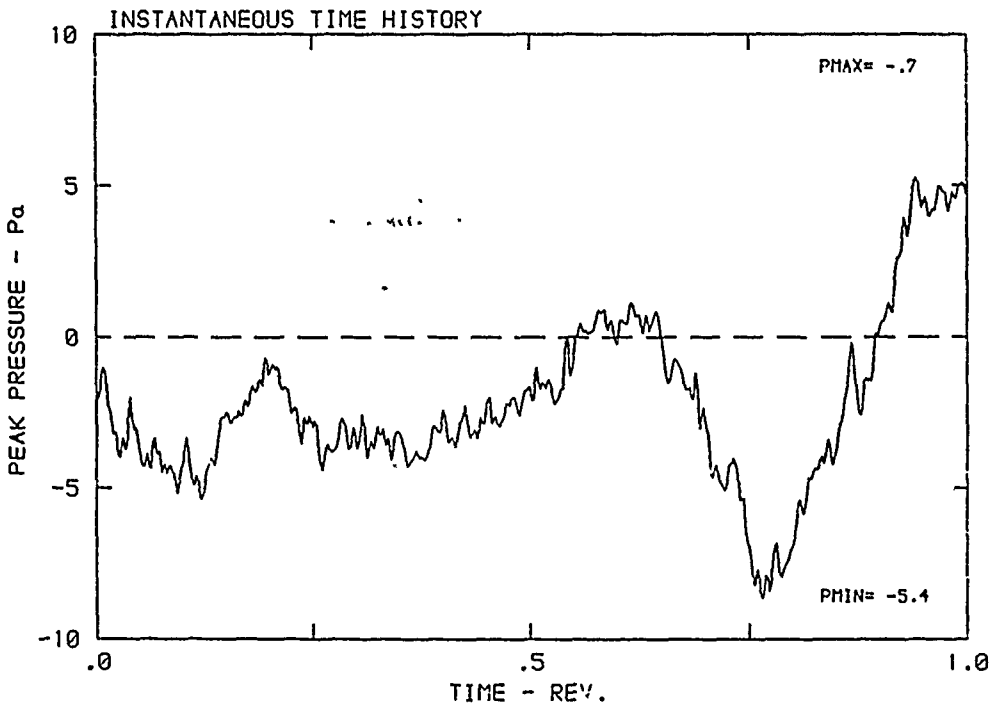
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

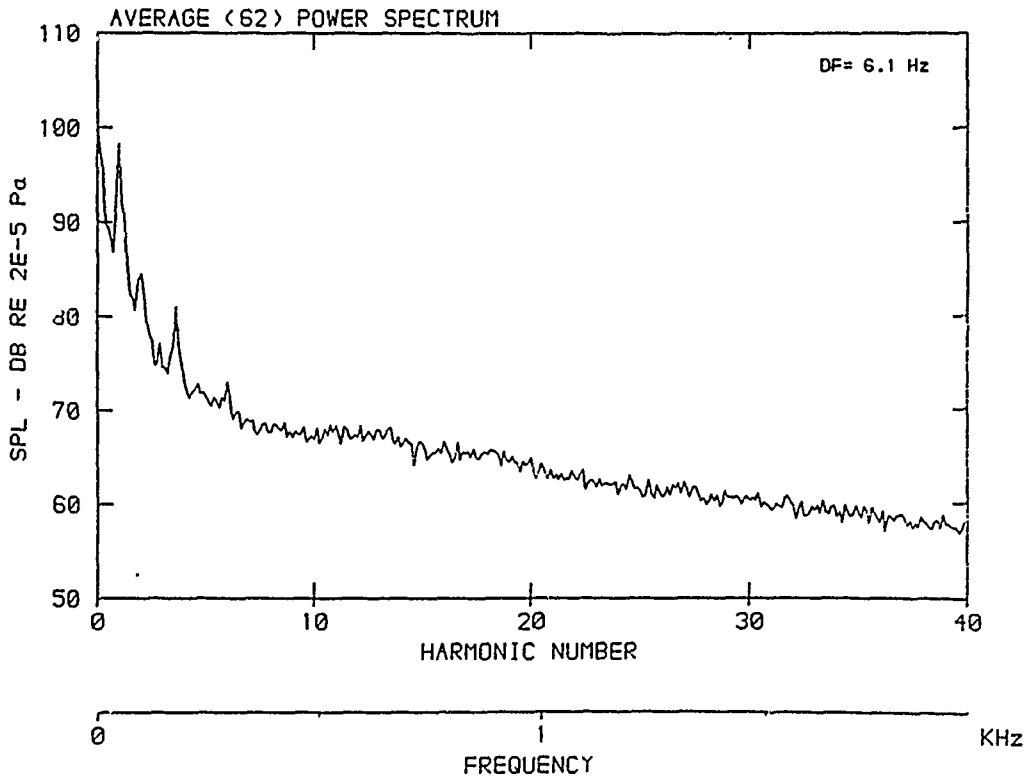




DATA POINT: BN-7 RUN: 55 MP: 2

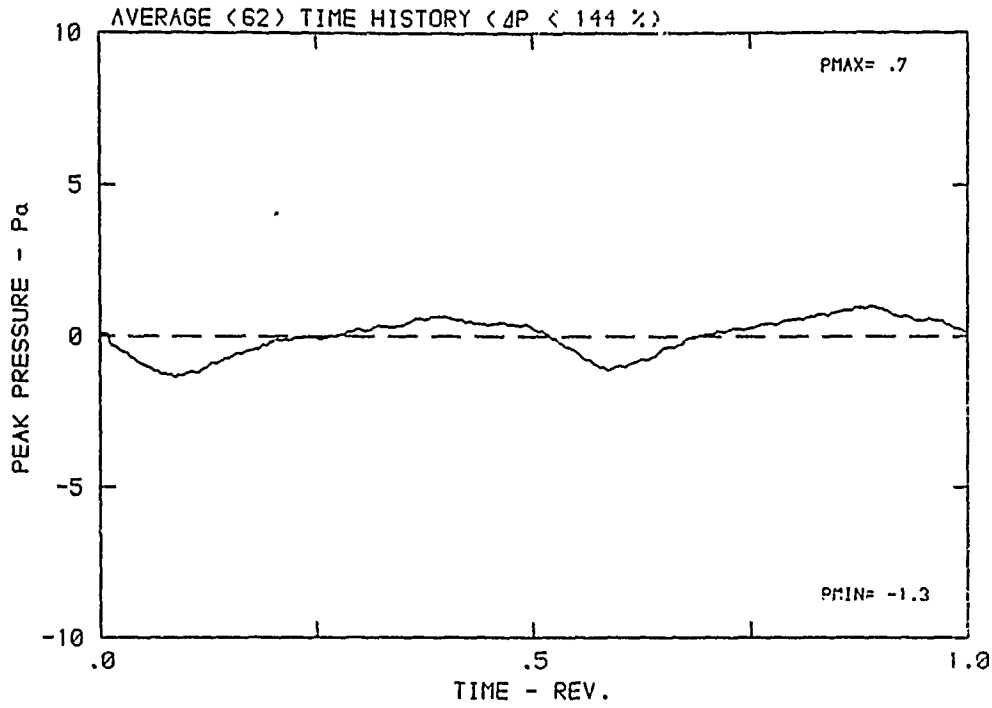
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

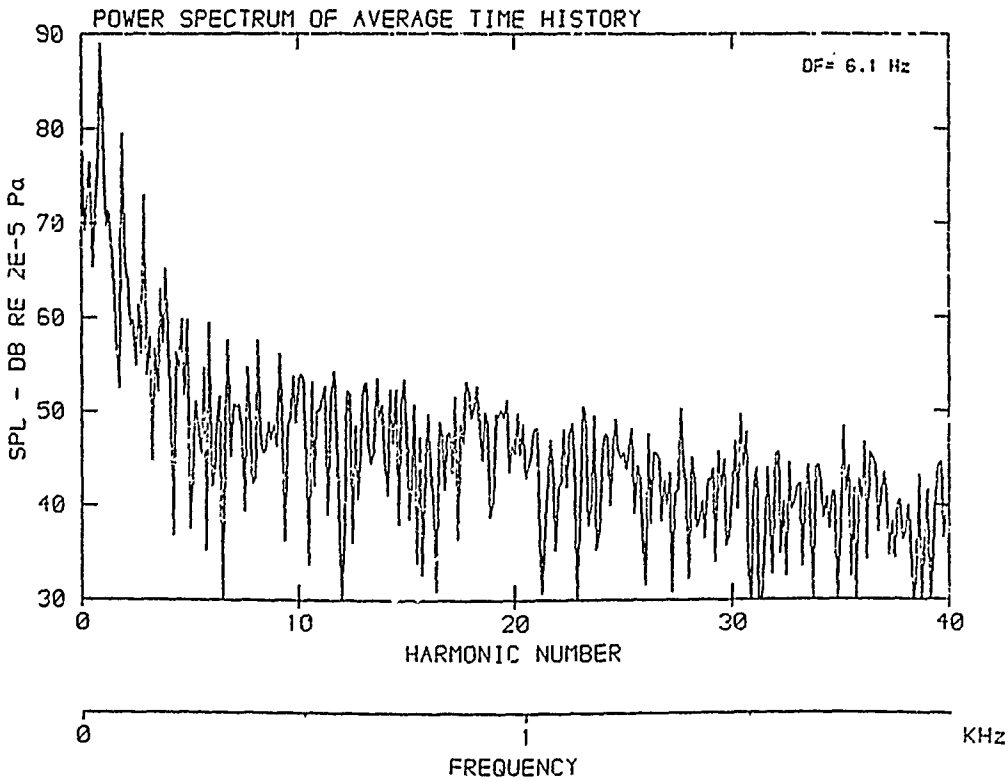




DATA POINT: BN-7	RUN: 55	MP: 2

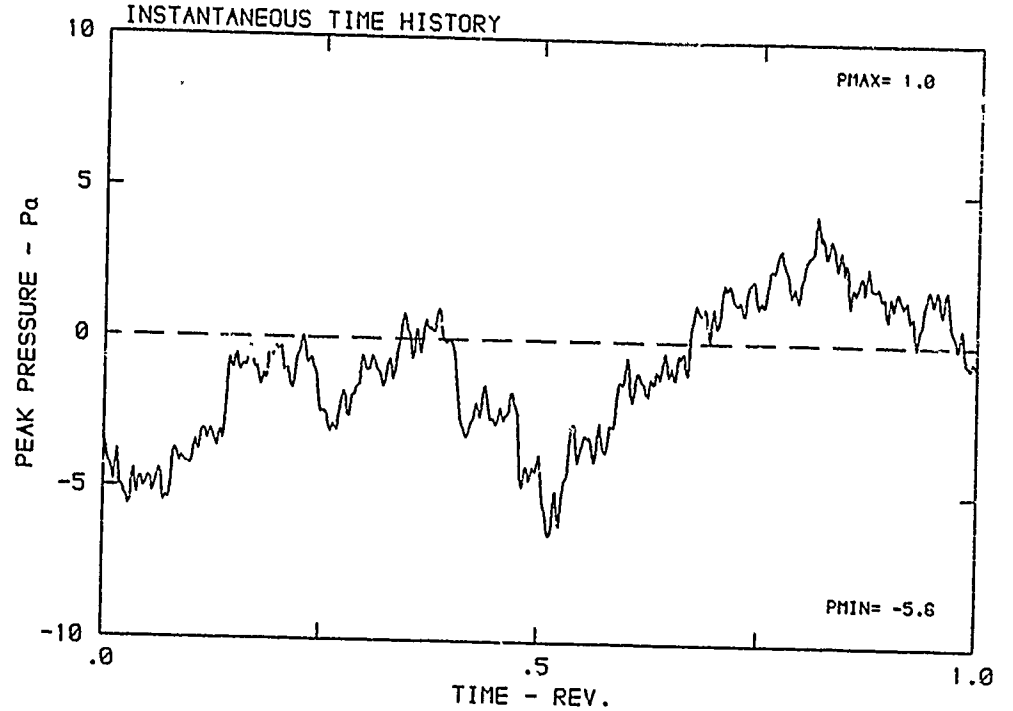
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

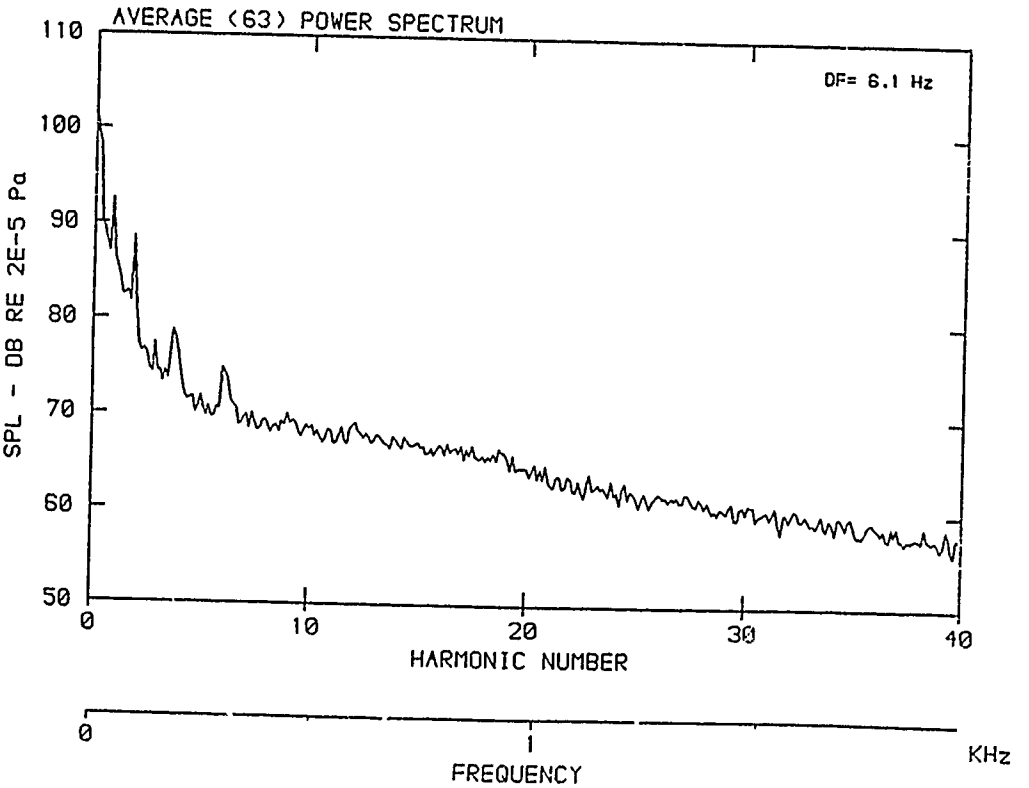




DATA POINT: BN-7 RUN: 55 MP: 3

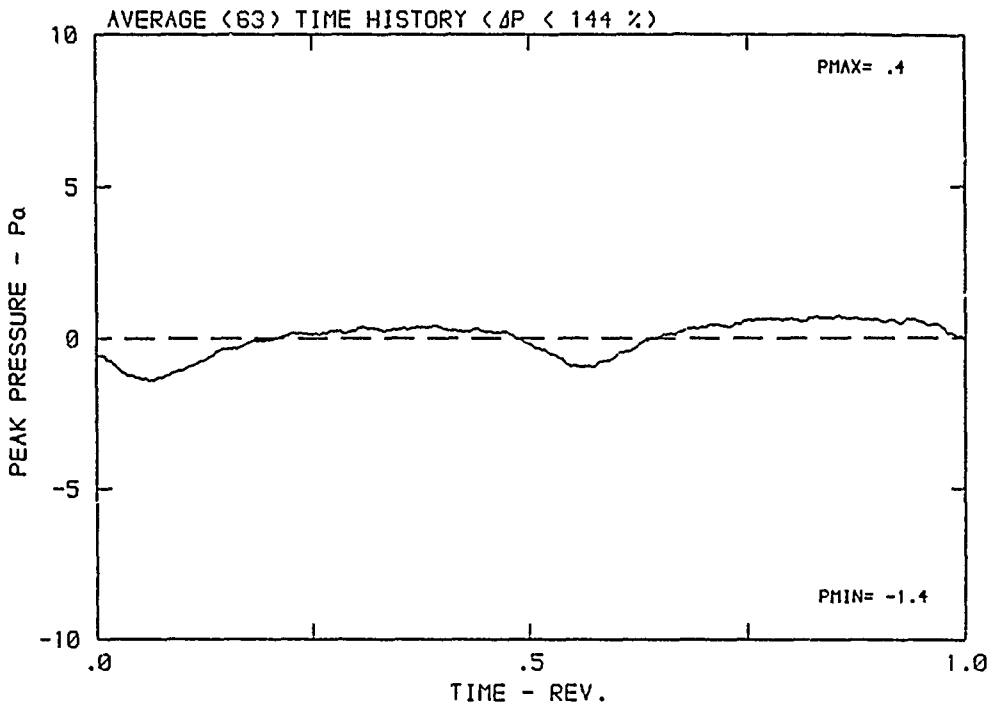
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

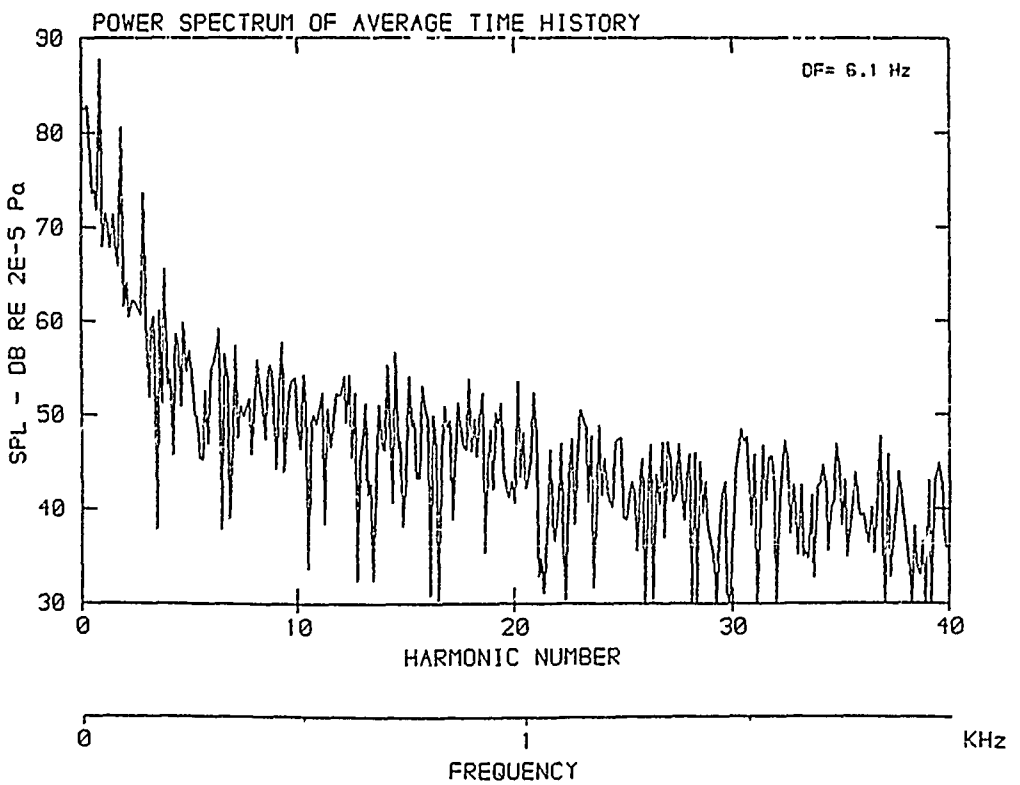




DATA POINT: BN-7	RUN: 55	MP: 3

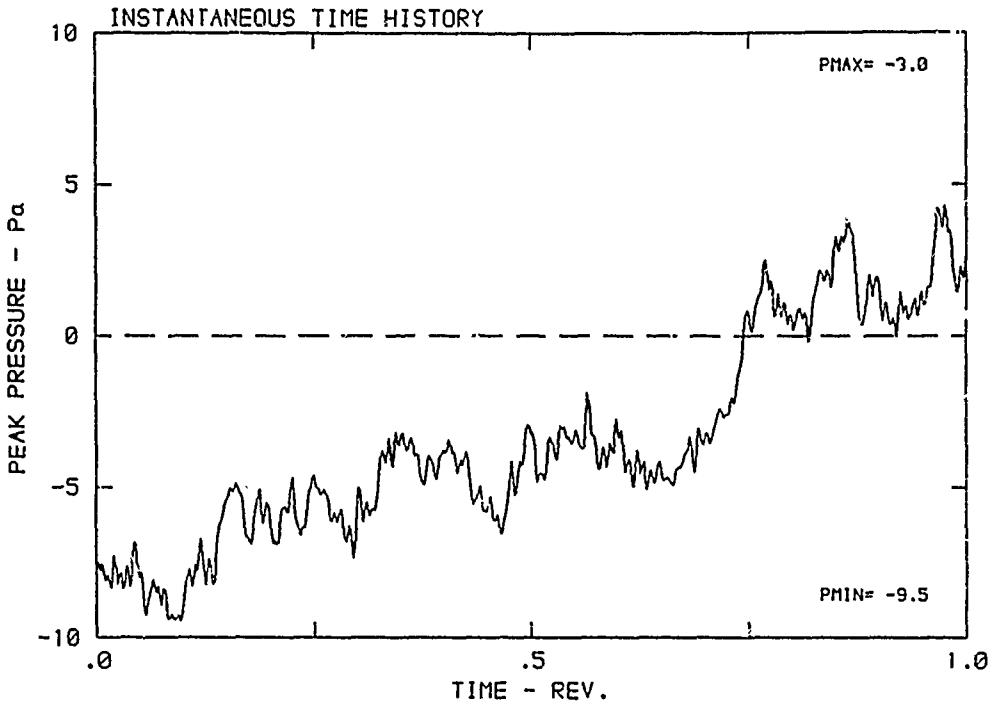
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

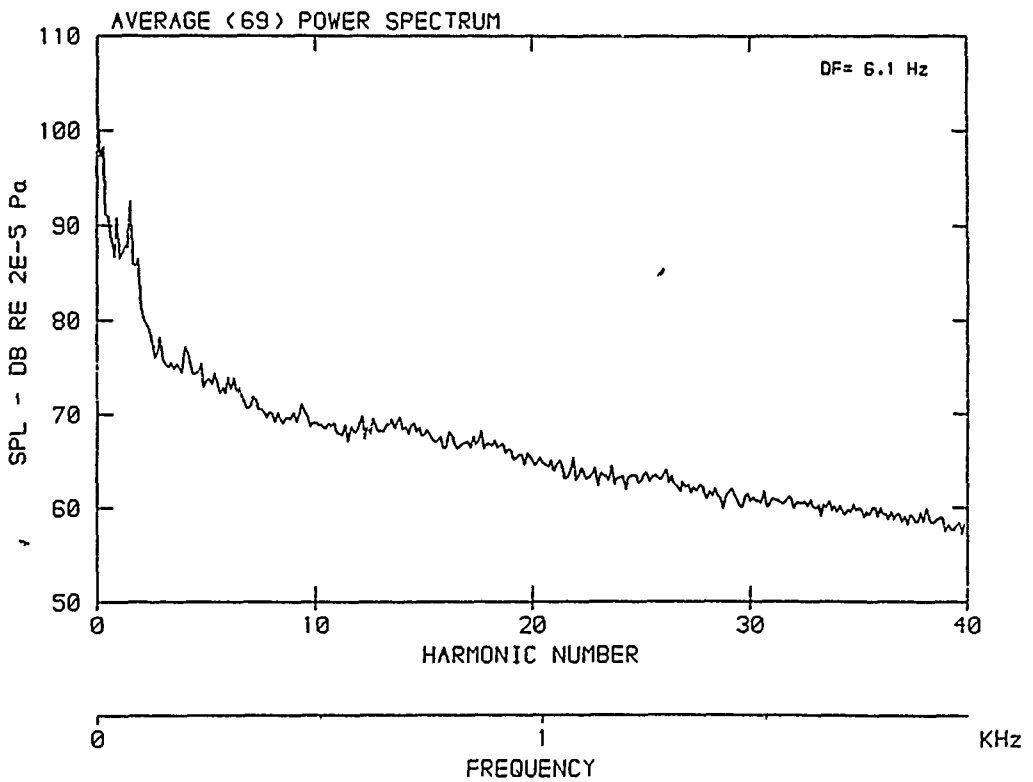




DATA POINT: BN-7 RUN: 55 MP: 4

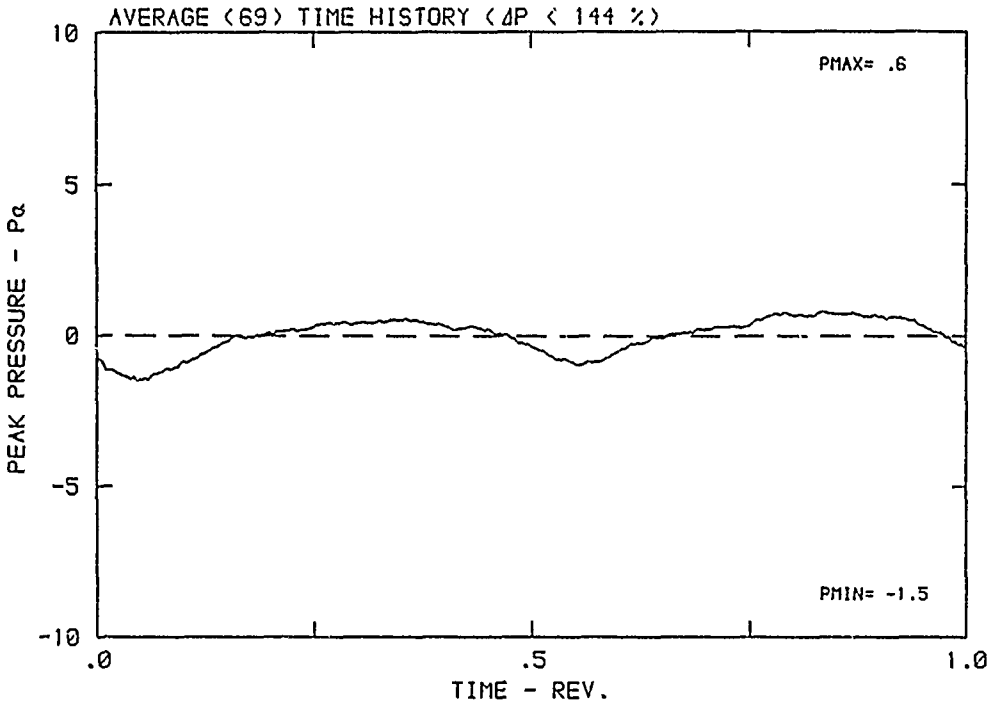
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

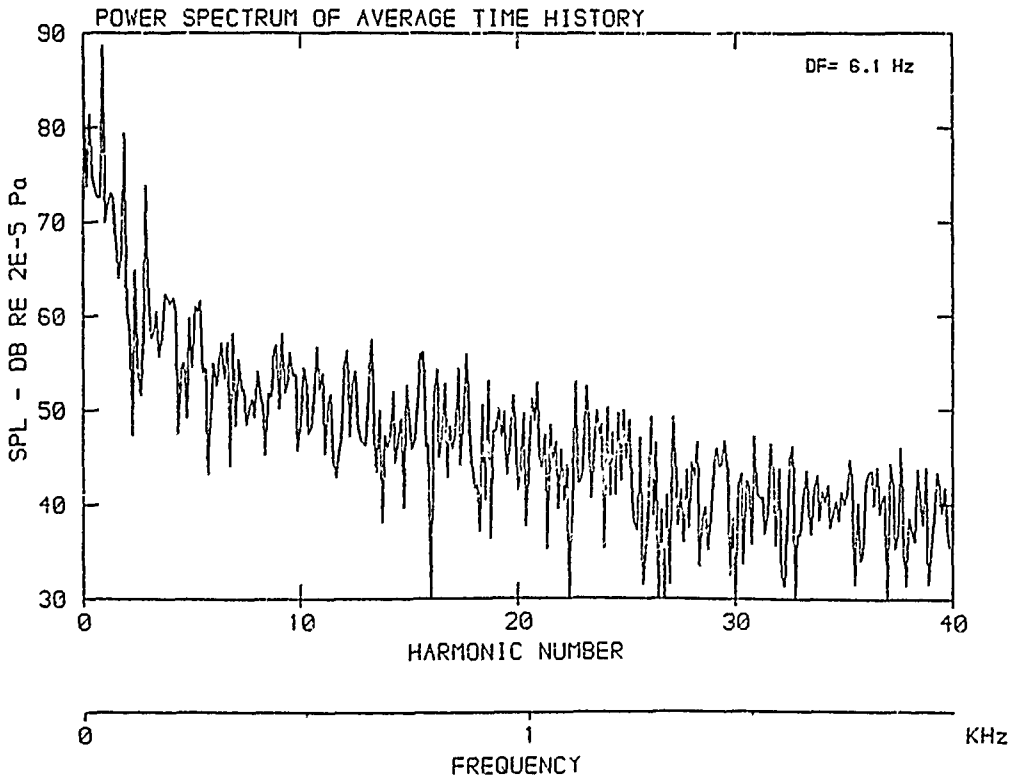




DATA POINT: BN-7	RUN: 55	MP: 4

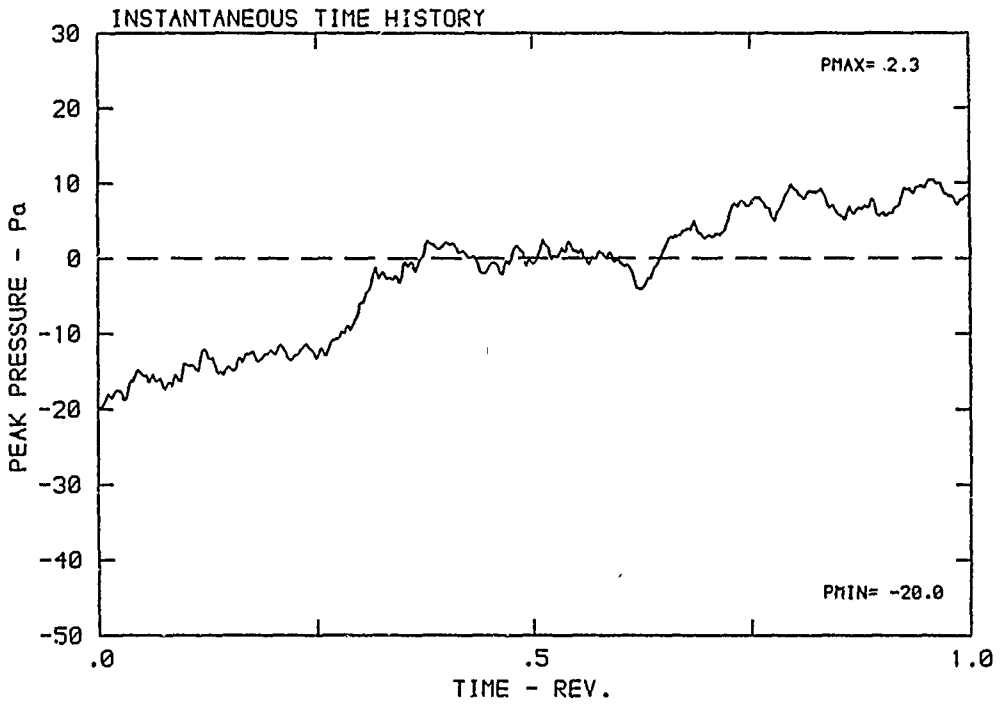
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

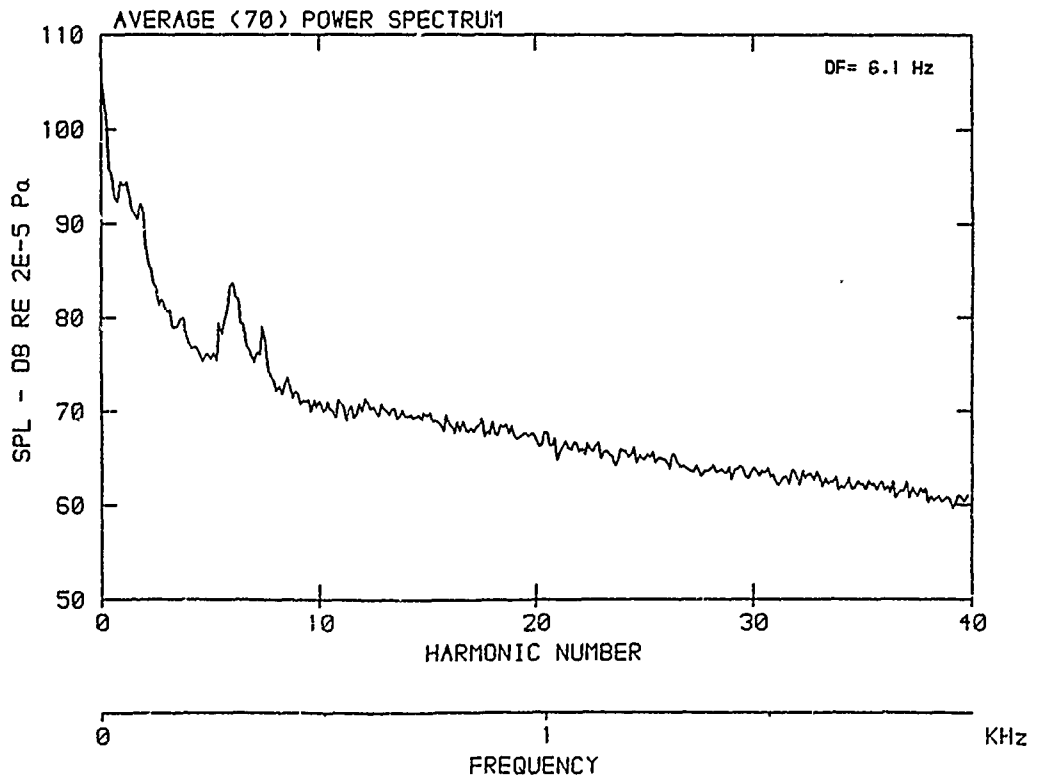




DATA POINT: BN-7 RUN: 55 MP: 5

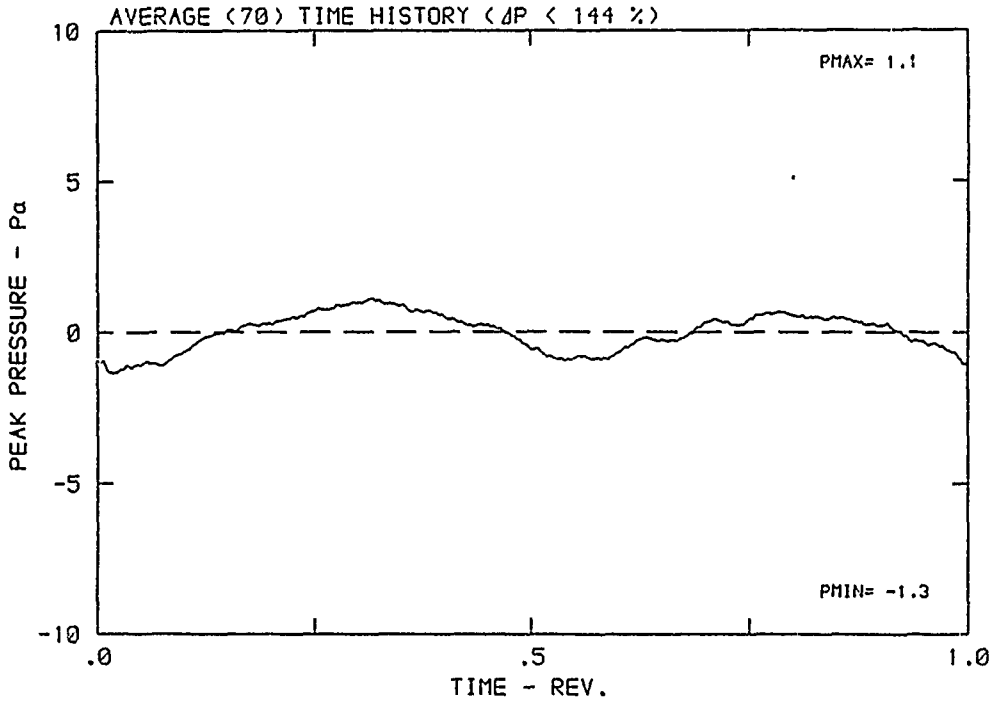
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

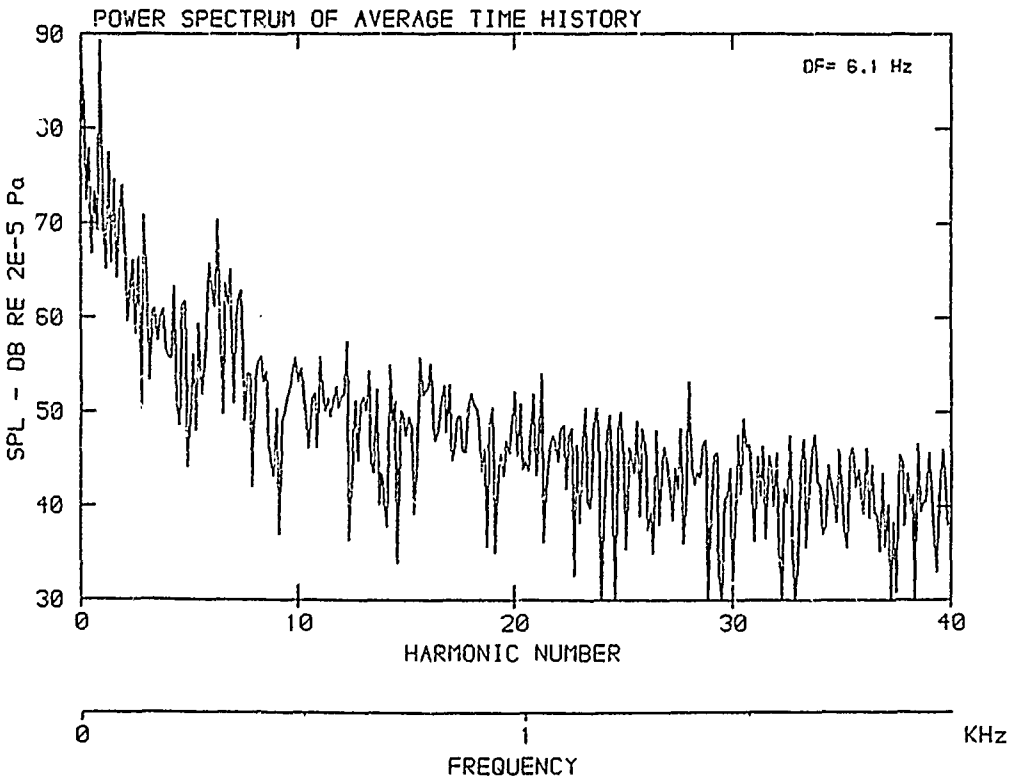




DATA POINT: BN-7 RUN: 55 MP: 5

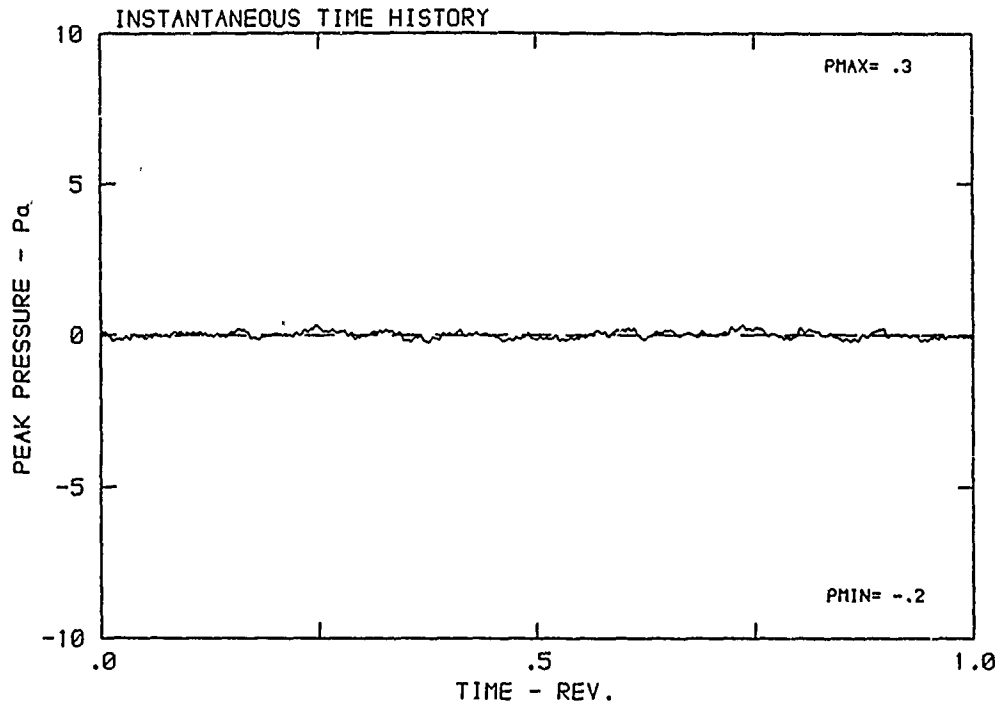
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

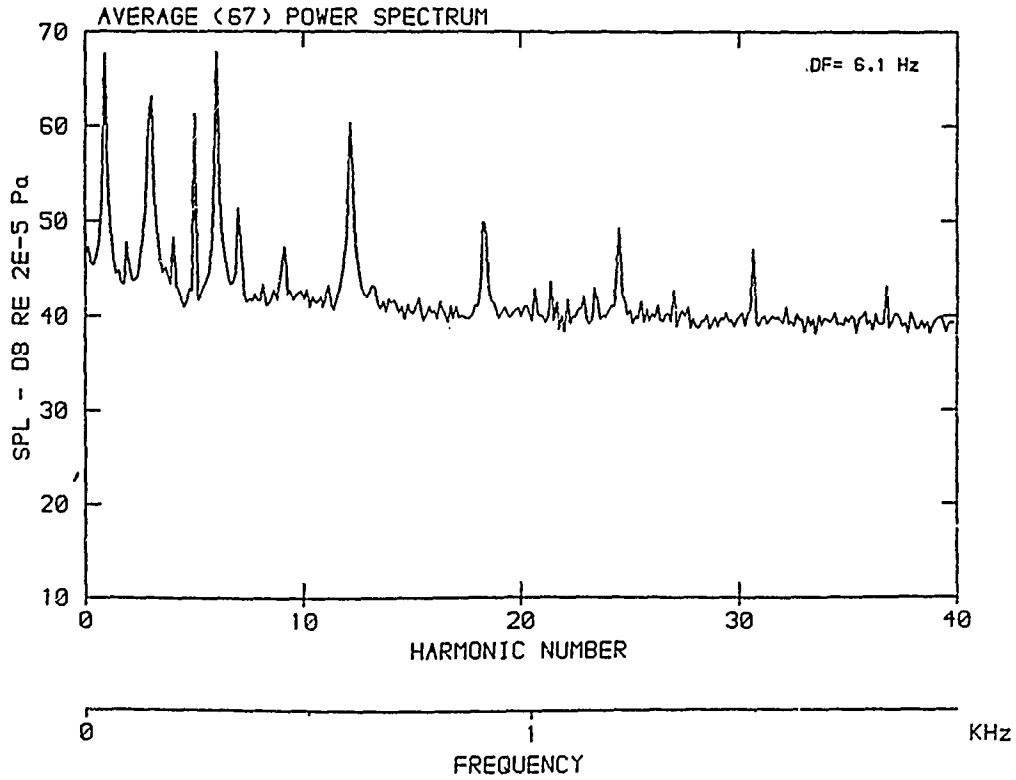




DATA POINT: BN-7 RUN: 55 MP: 6

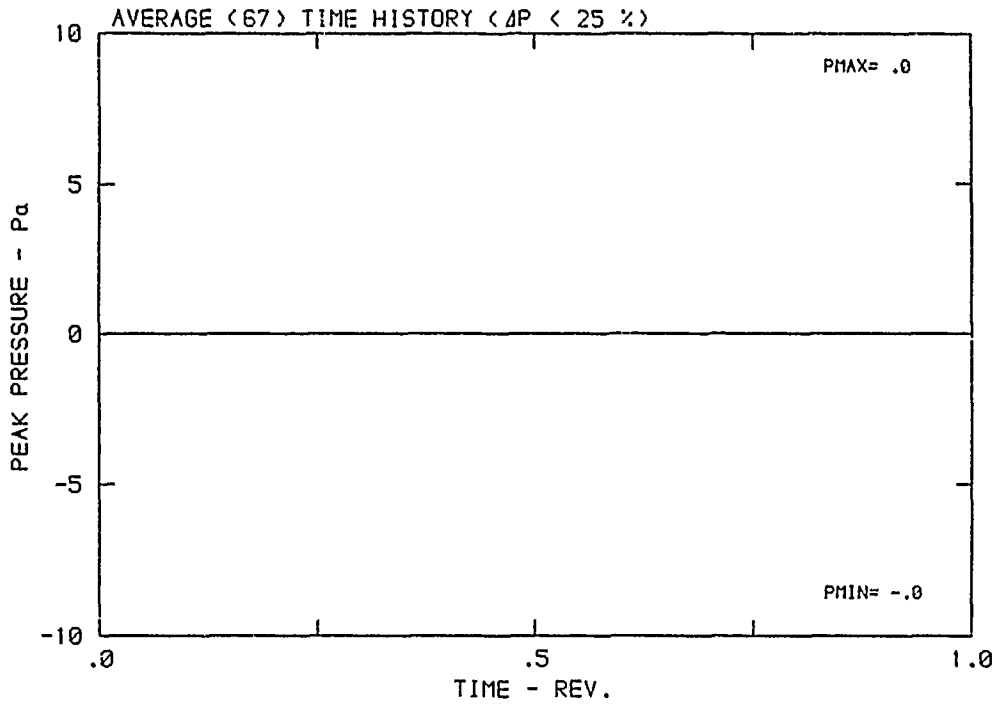
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

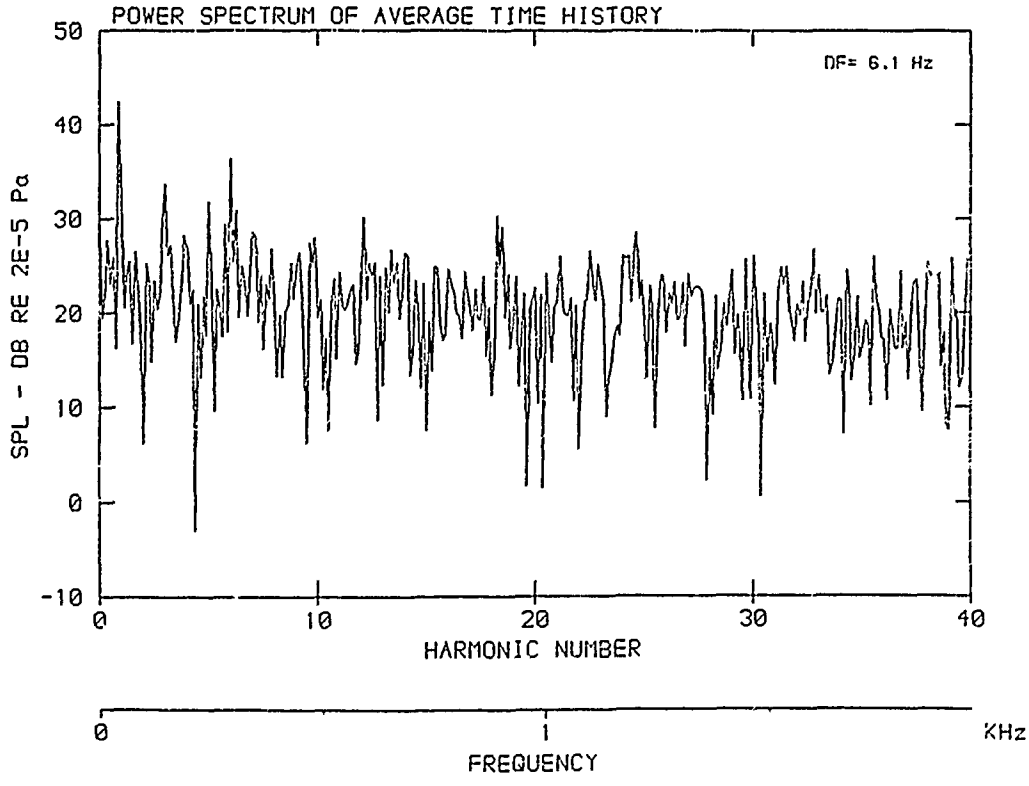




DATA POINT: BN-7	RUN: 55	MP: 6

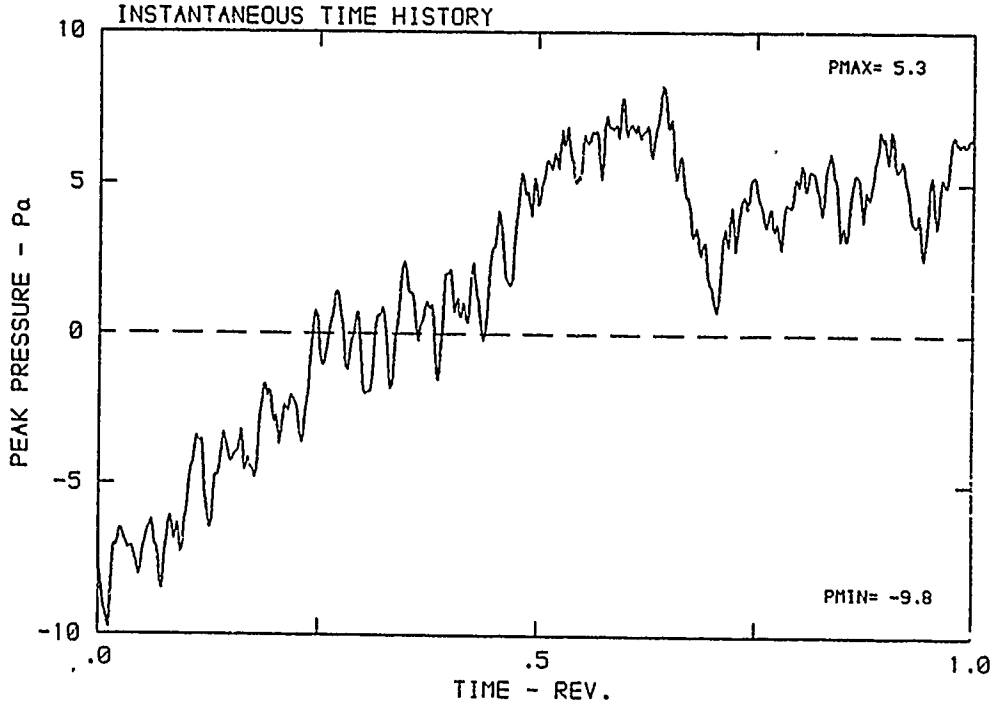
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

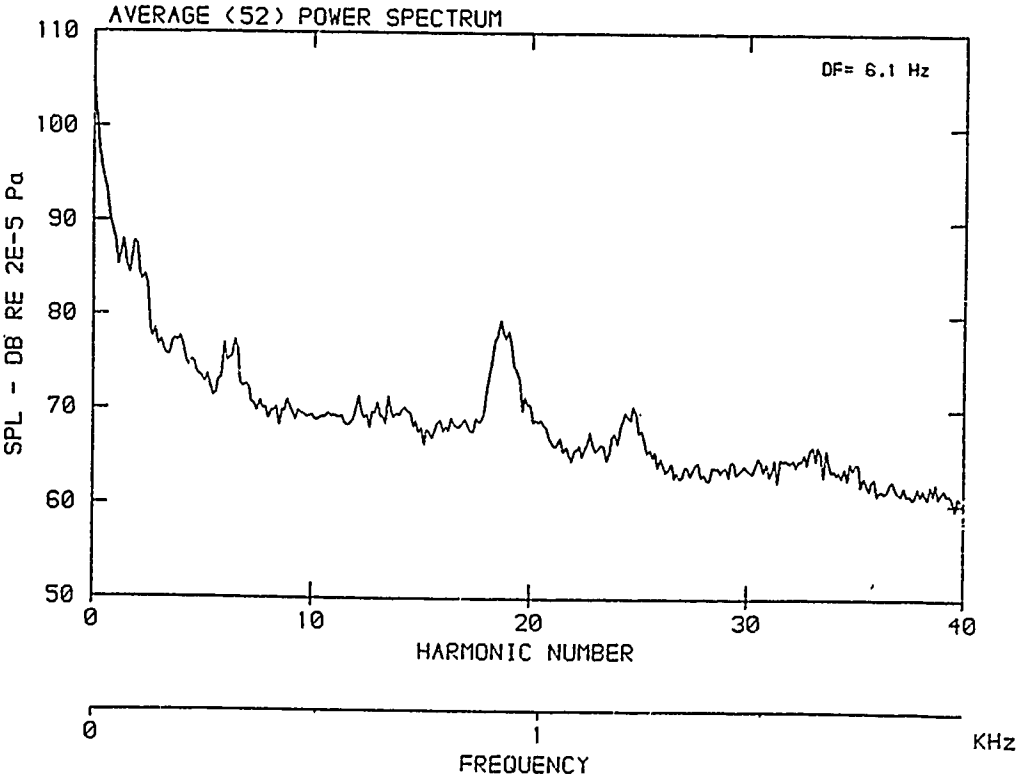




DATA POINT: BN-7 RUN: 55 MP: 7

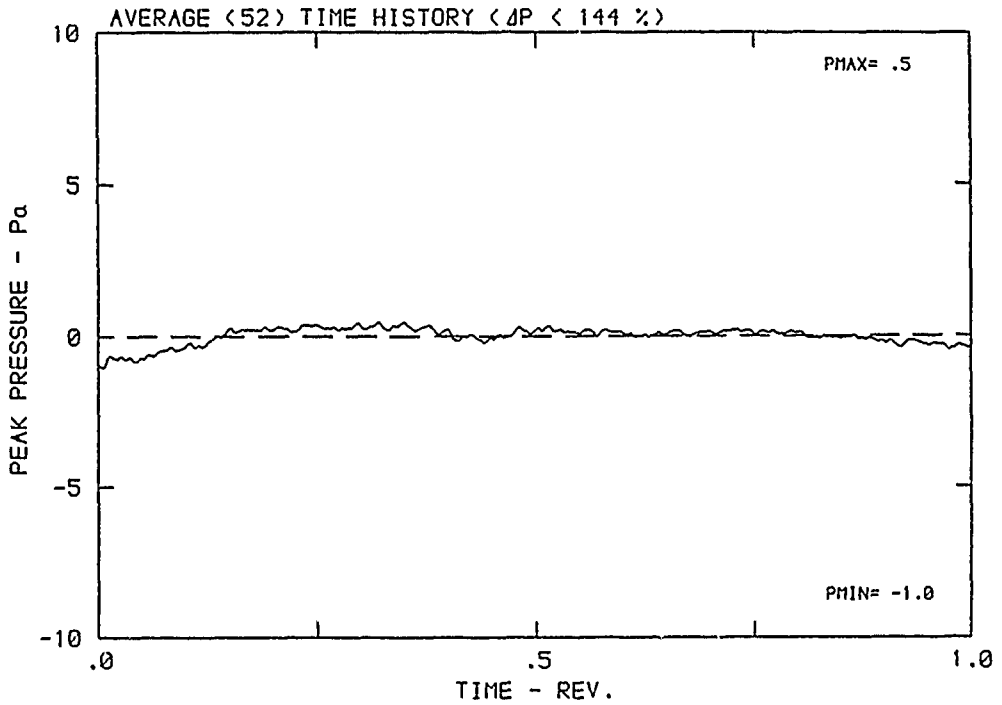
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

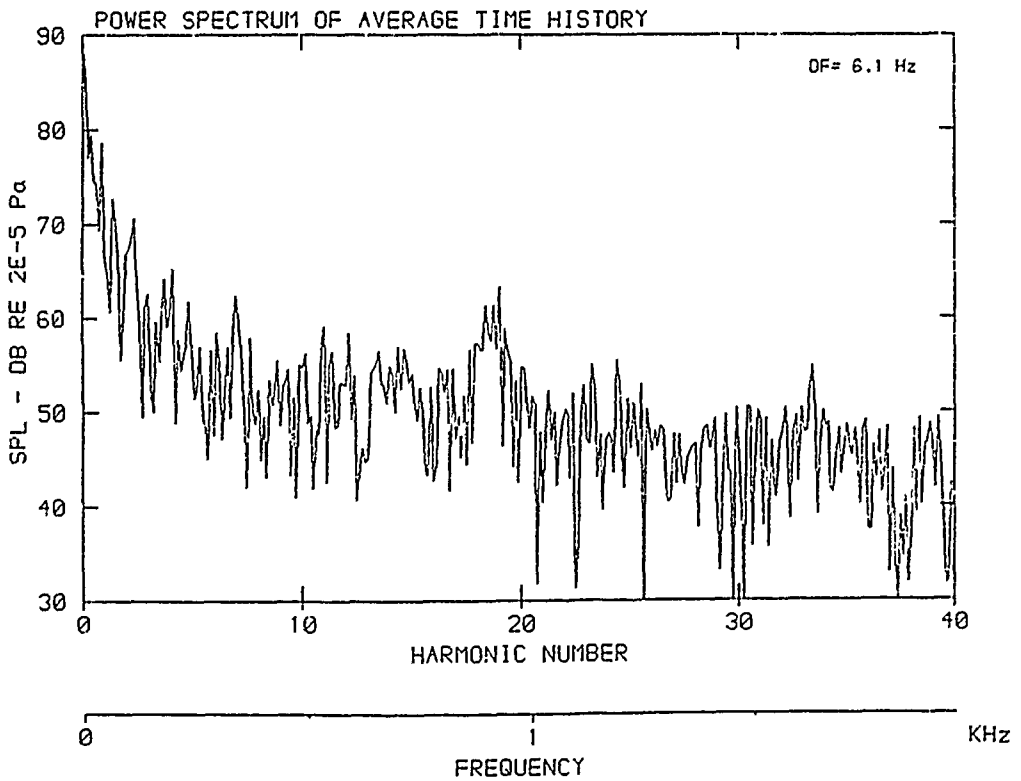




DATA POINT: BN-7 RUN: 55 MP: 7

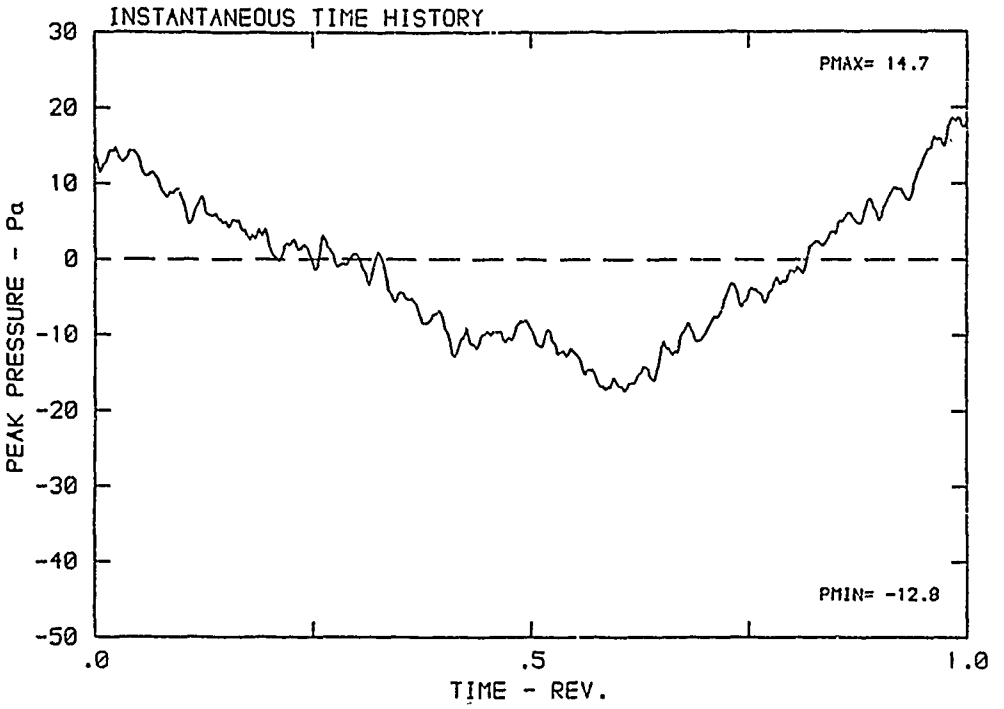
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

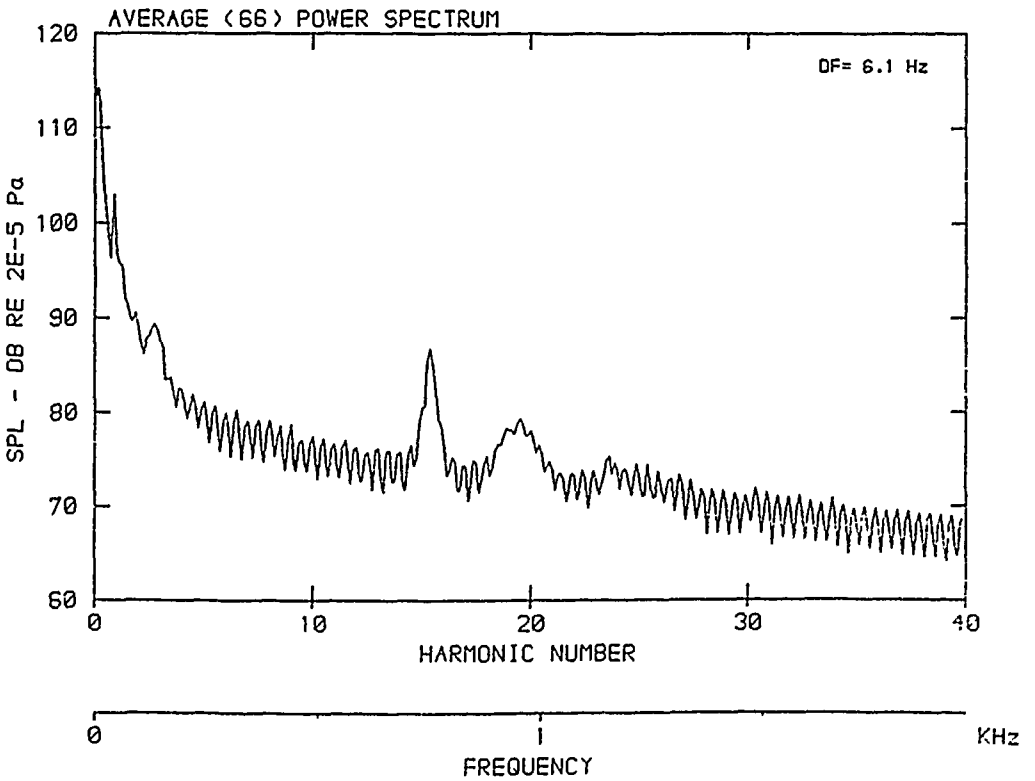




DATA POINT: BN-7	RUN: 55	MP: 9

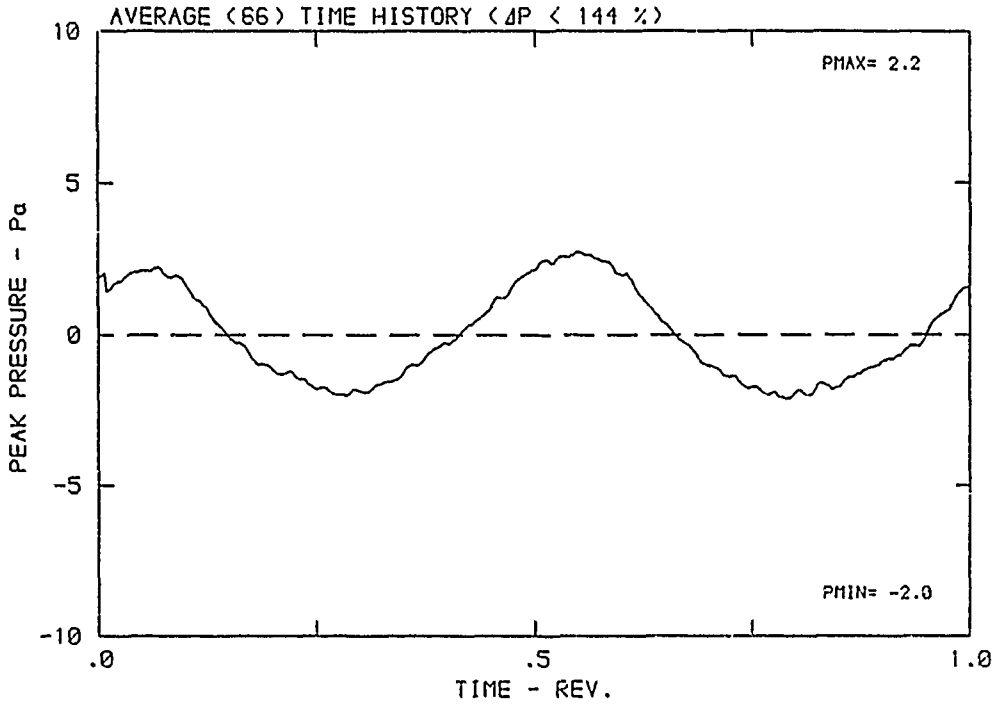
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

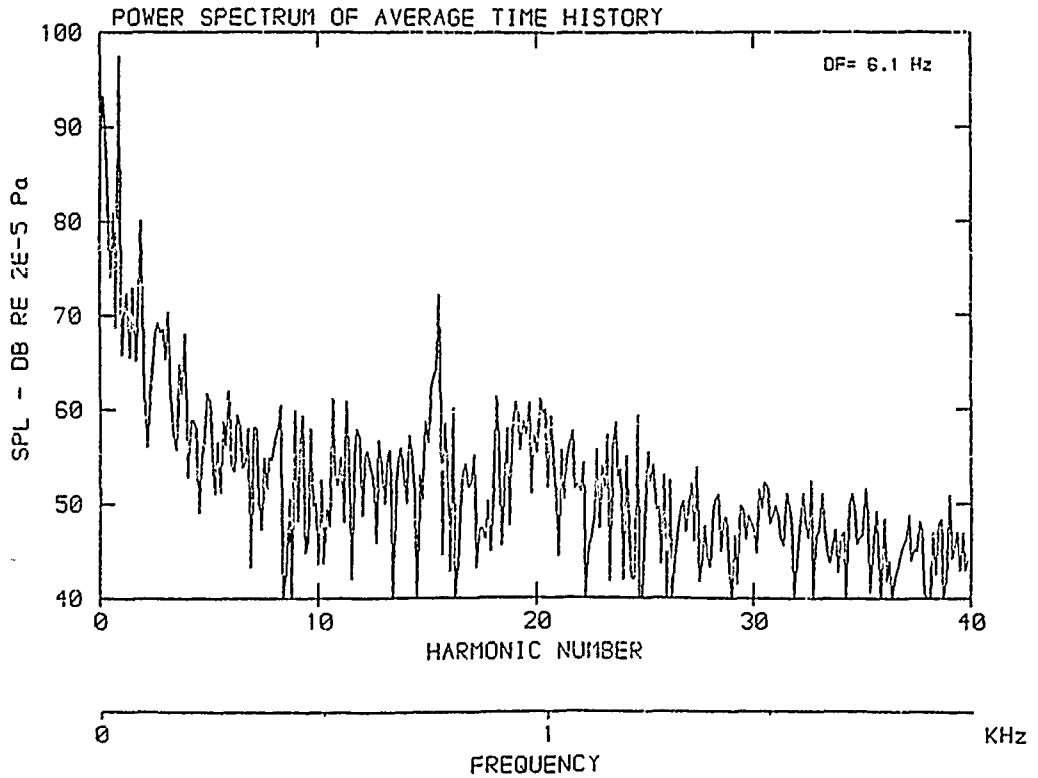




DATA POINT: BN-7 RUN: 55 MP: 9

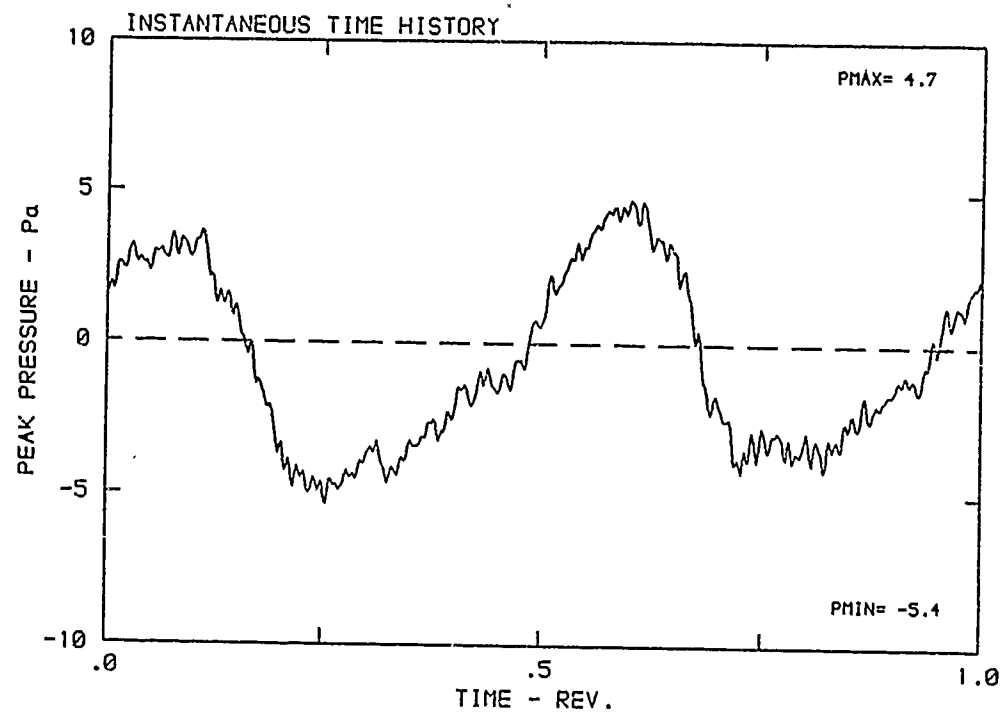
β: 19.9° MH: .4831 n: 1465 rpm v/u: .330 ϕ: .0° T: 287.3 K

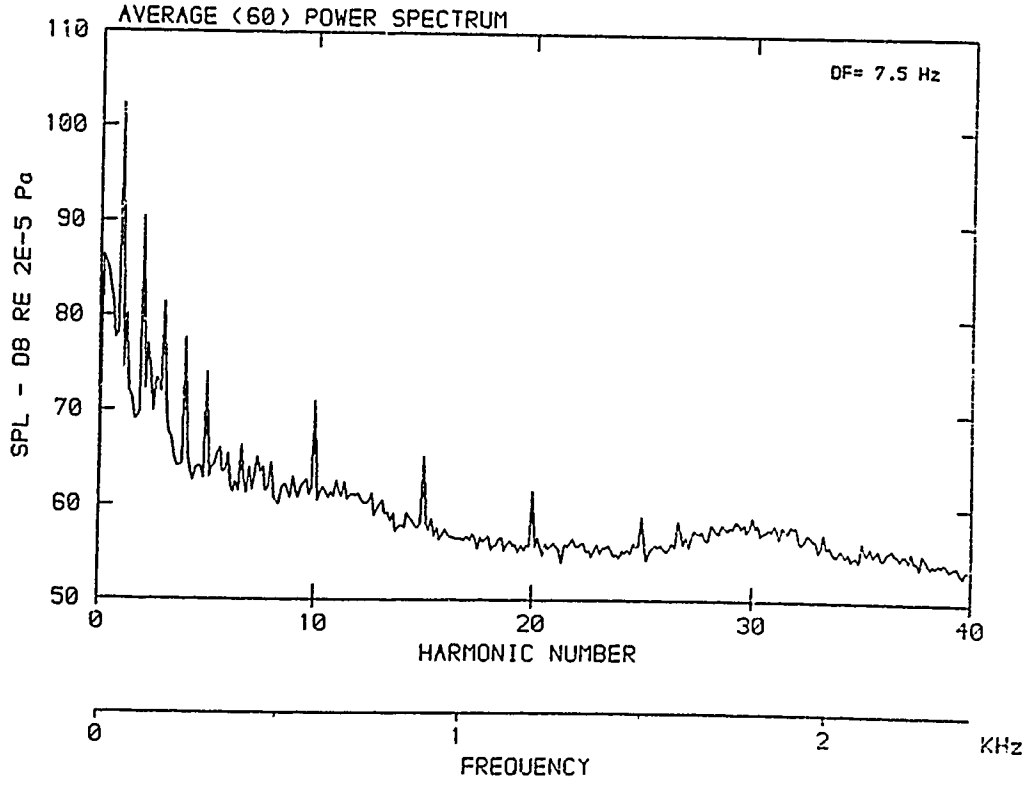




DATA POINT: CN-1 RUN: 104 MP: 1

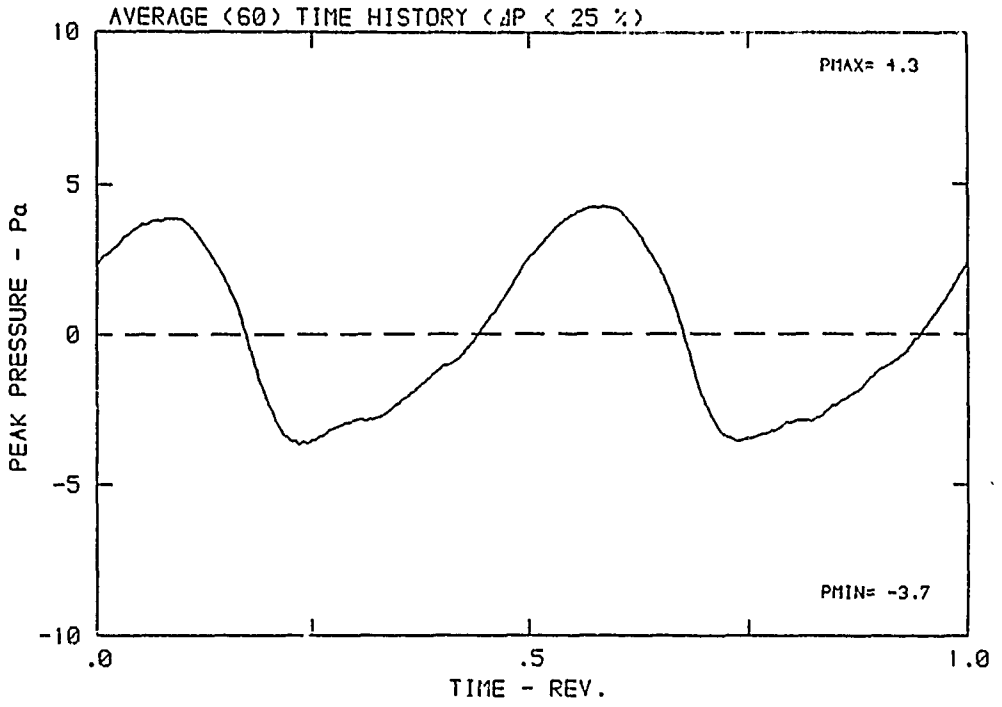
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

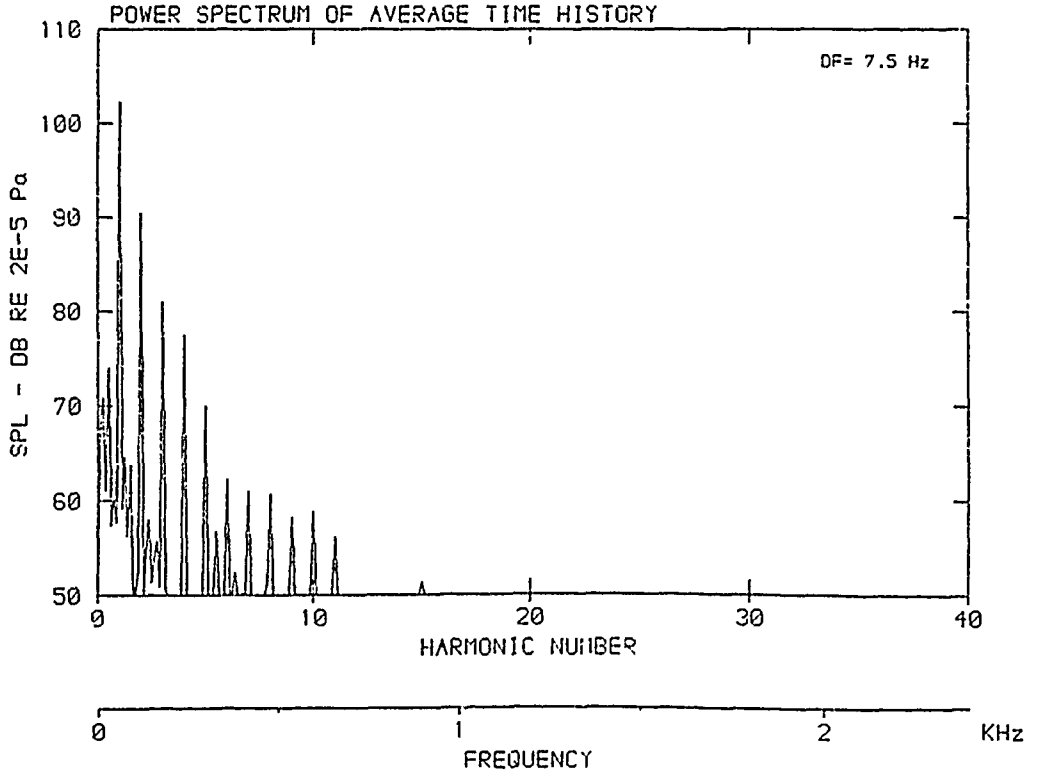




DATA POINT: CN-1	RUN: 104	MP: 1

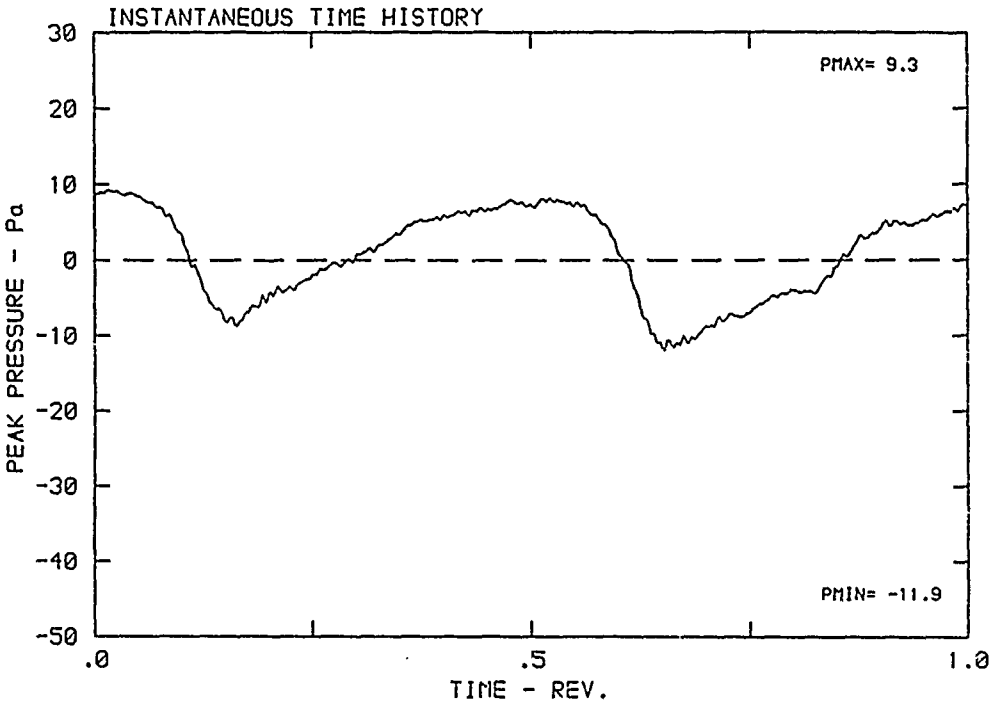
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

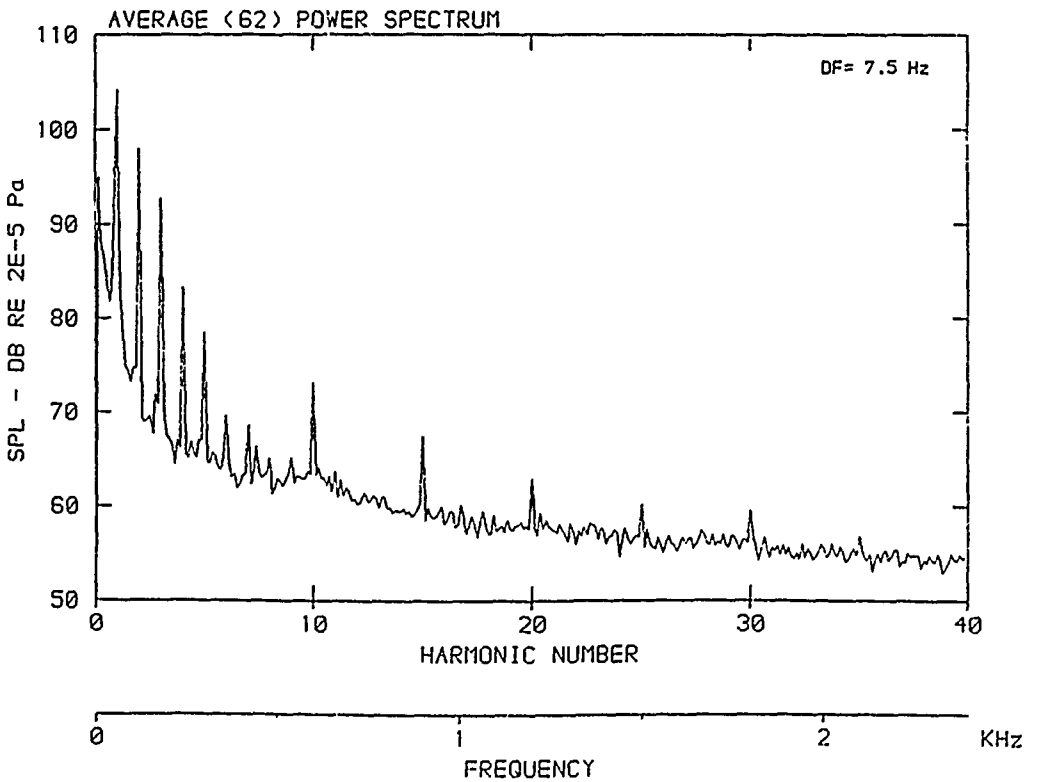




DATA POINT: CN-1 RUN: 104 MP: 2

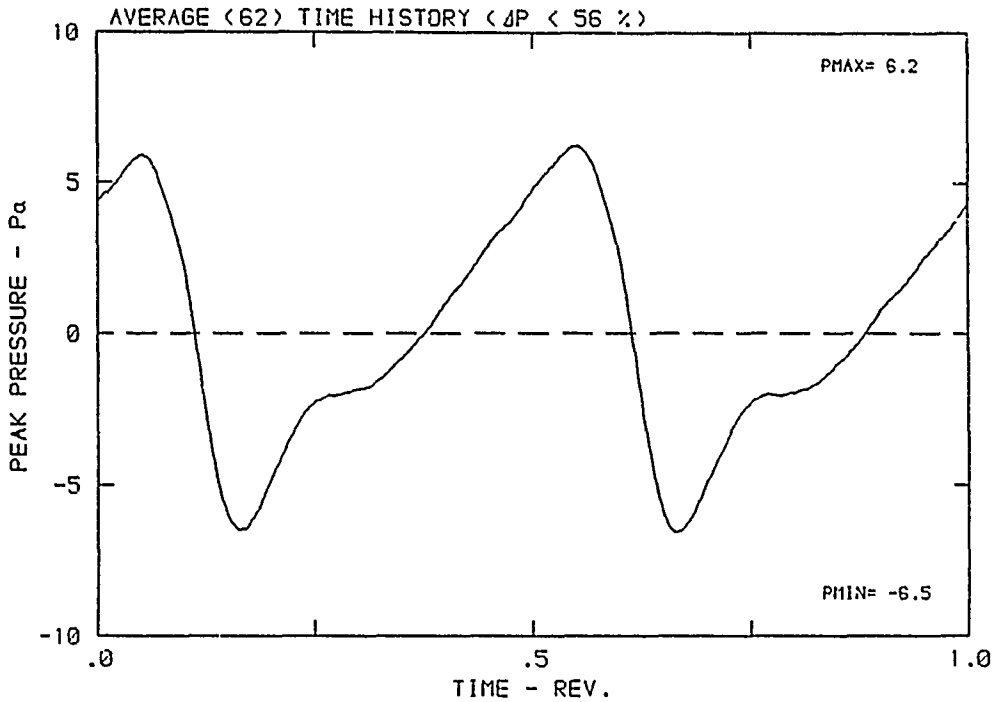
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

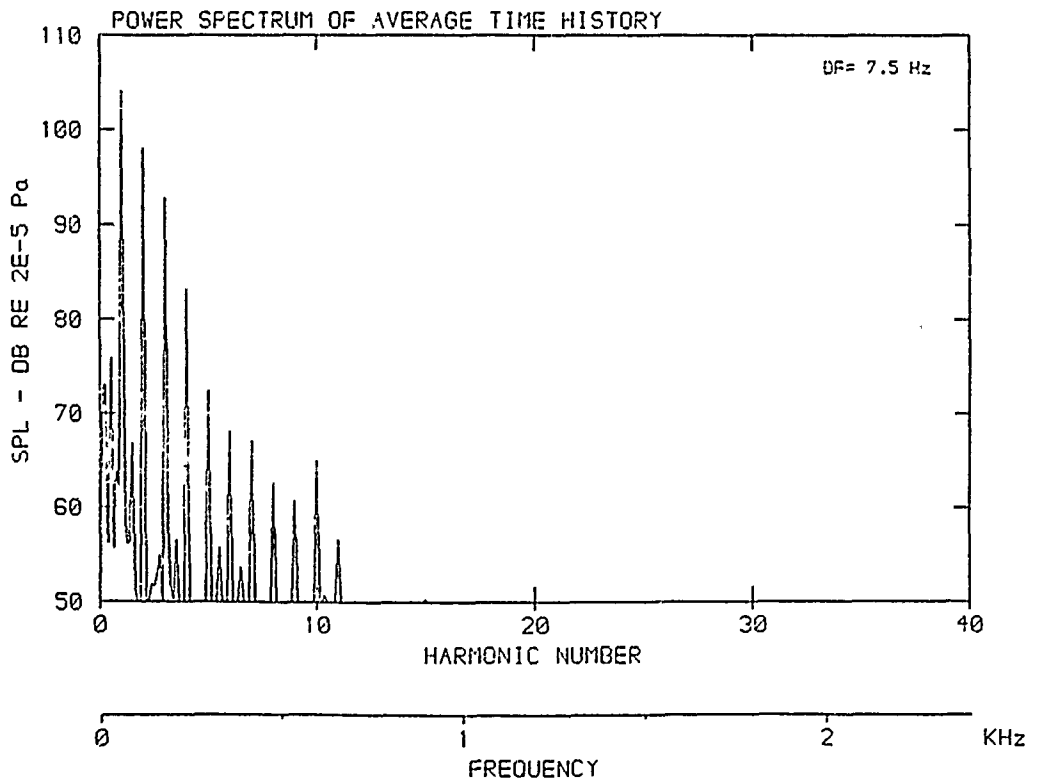




DATA POINT: CN-1 RUN: 104 MP: 2

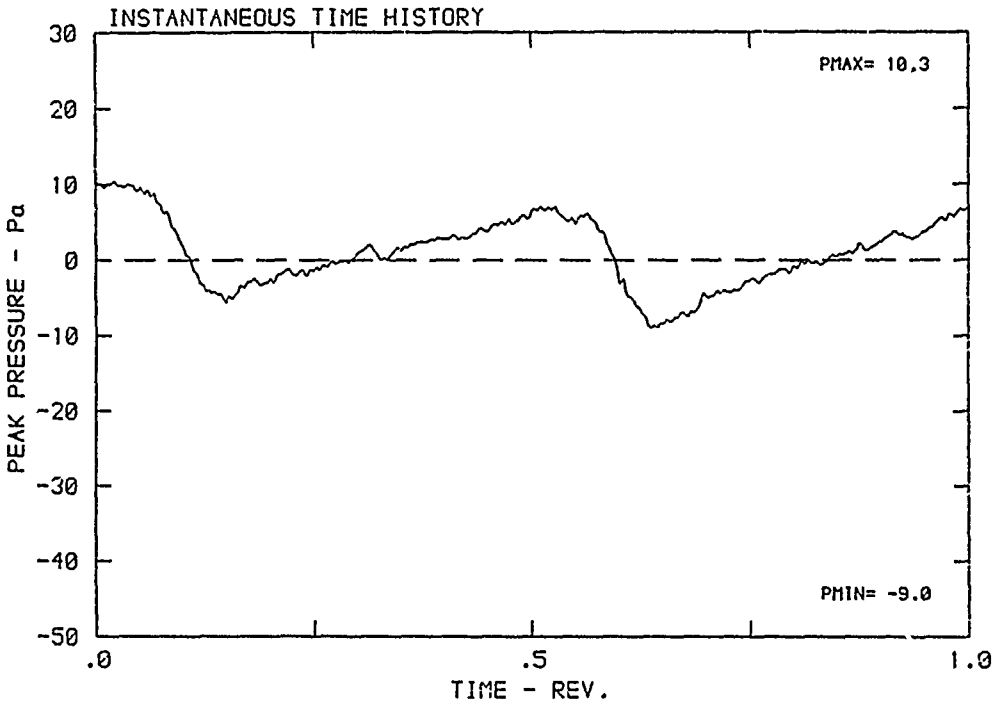
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

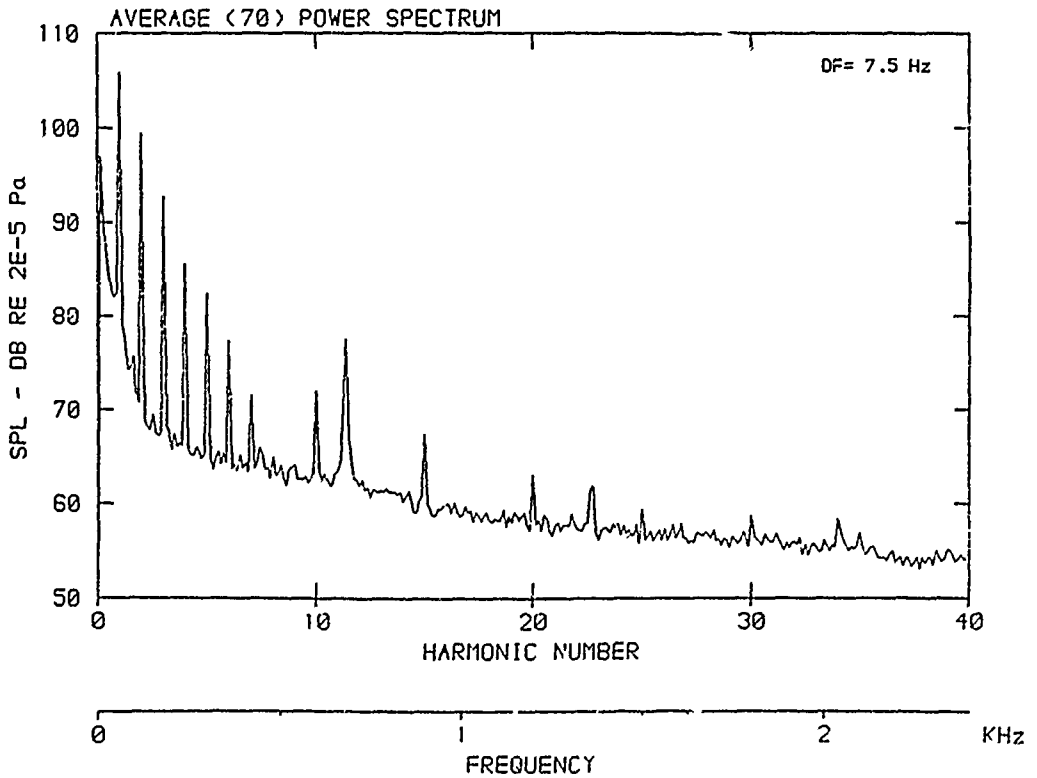




DATA POINT: CN-1 RUN: 104 MP: 3

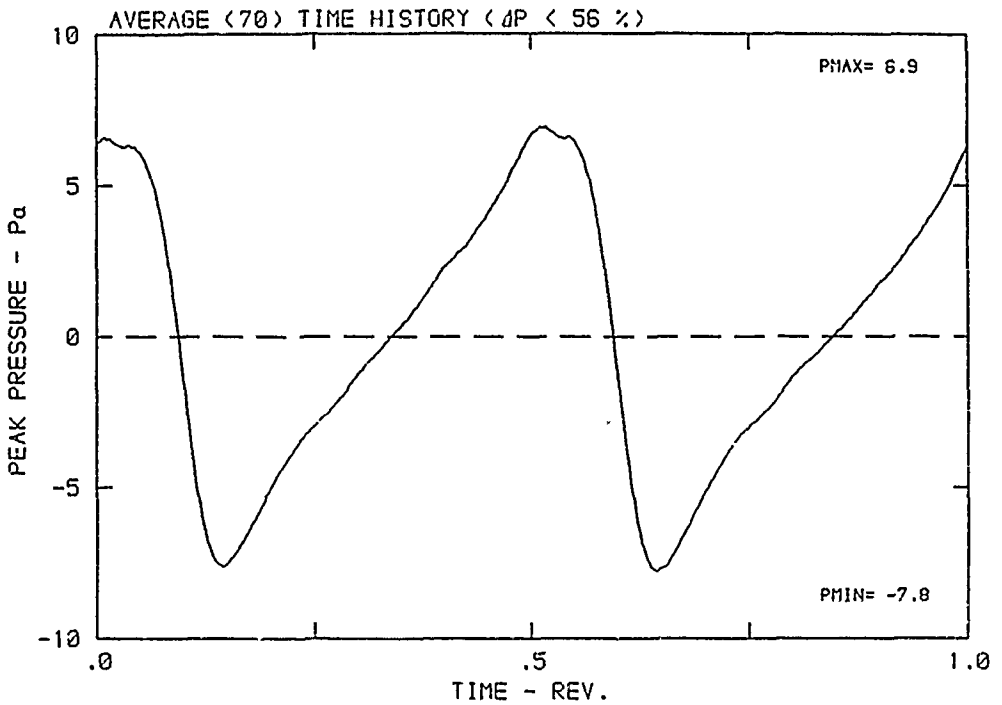
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

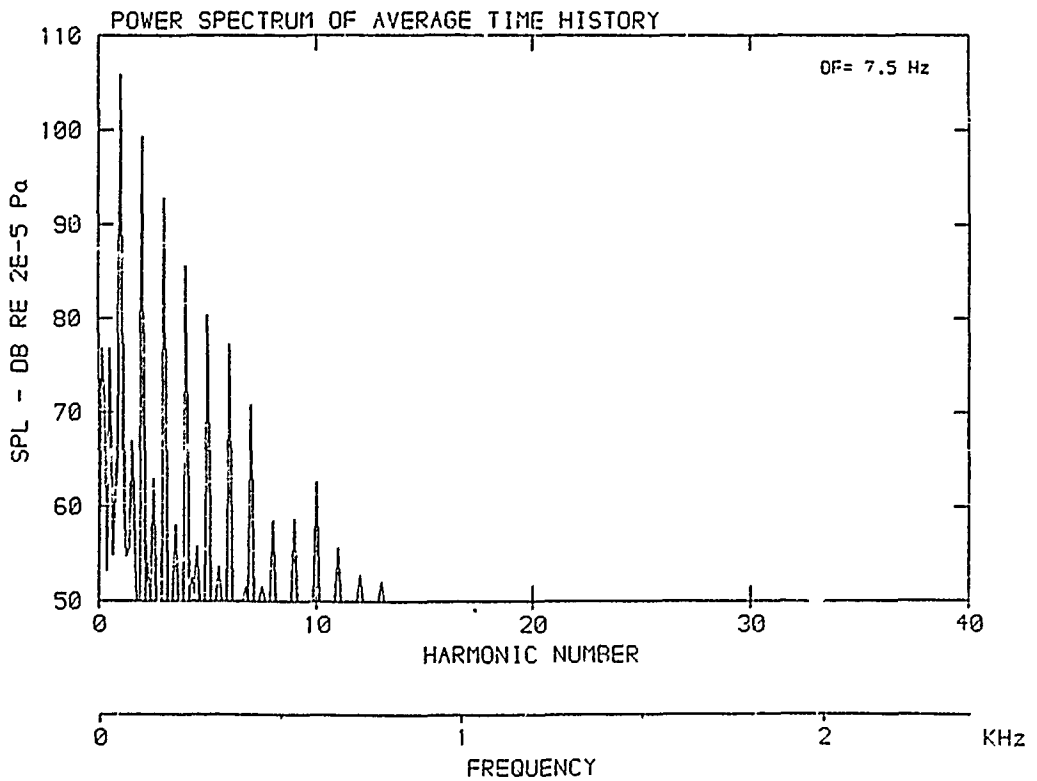




DATA POINT: CN-1 RUN: 104 MP: 3

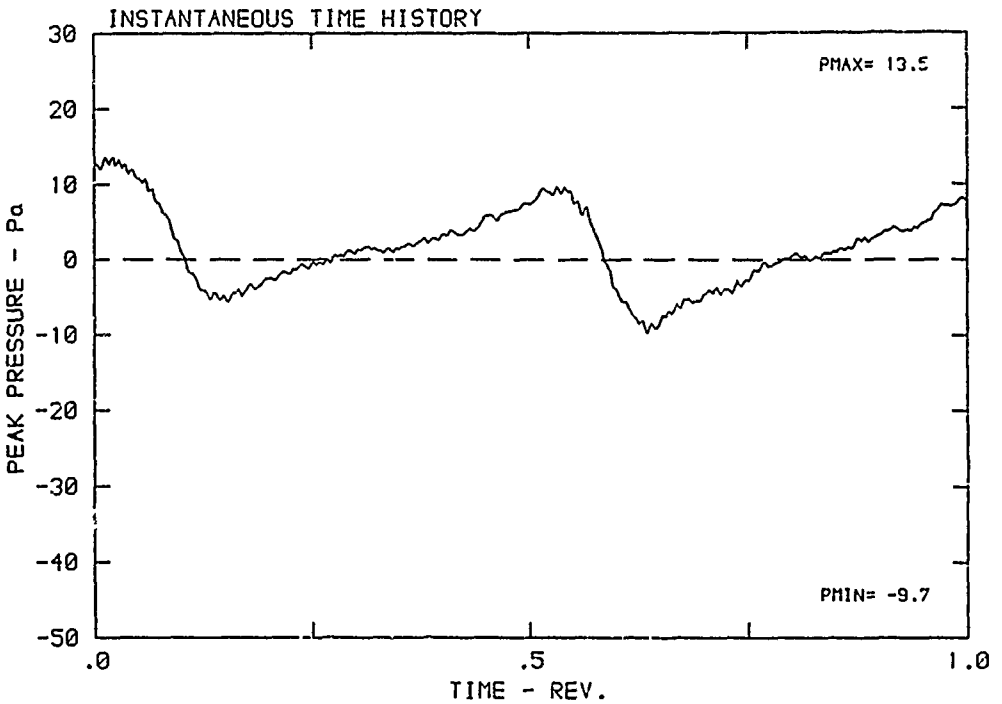
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

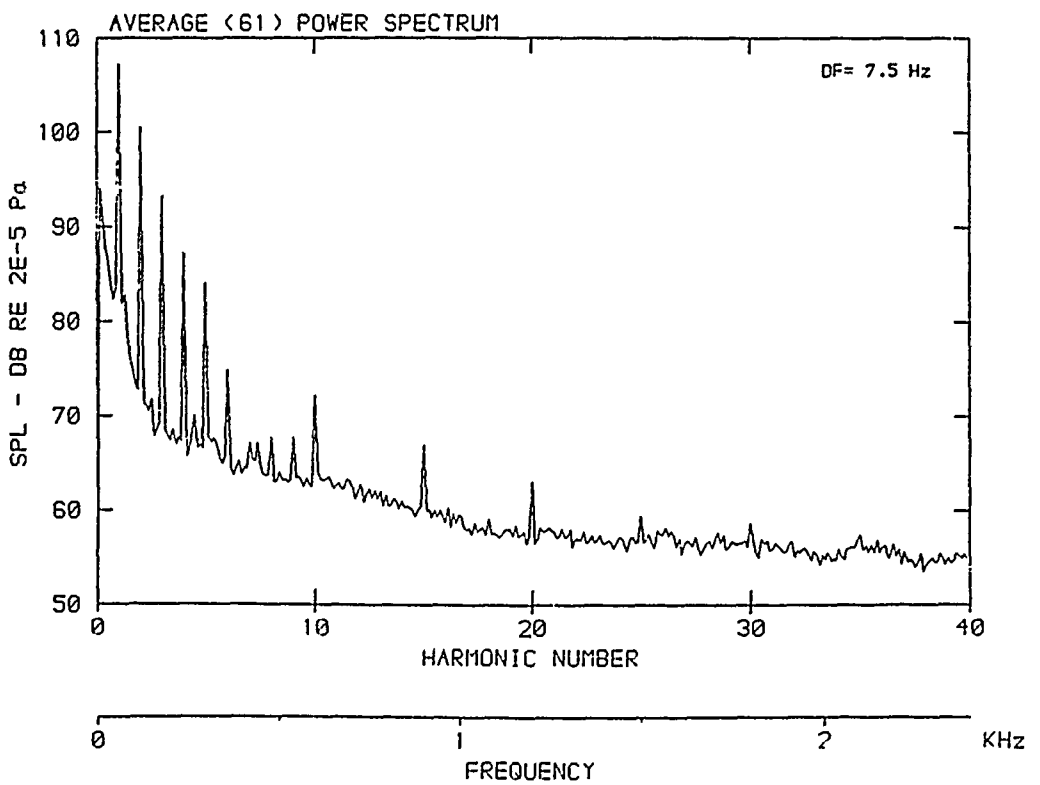




DATA POINT: CN-1 RUN: 104 MP: 4

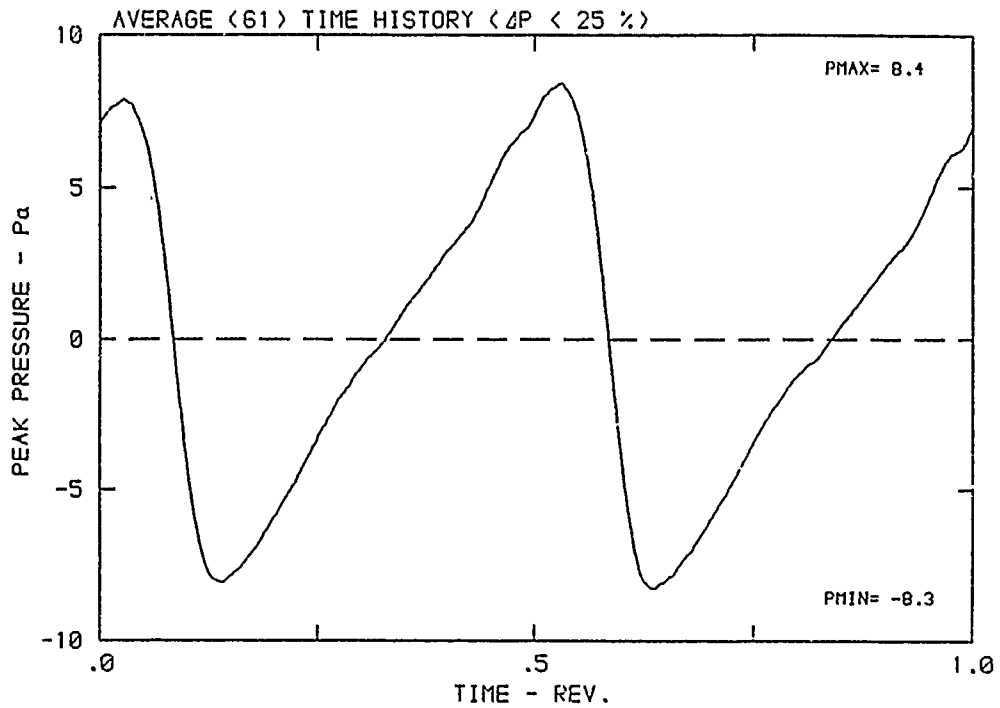
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

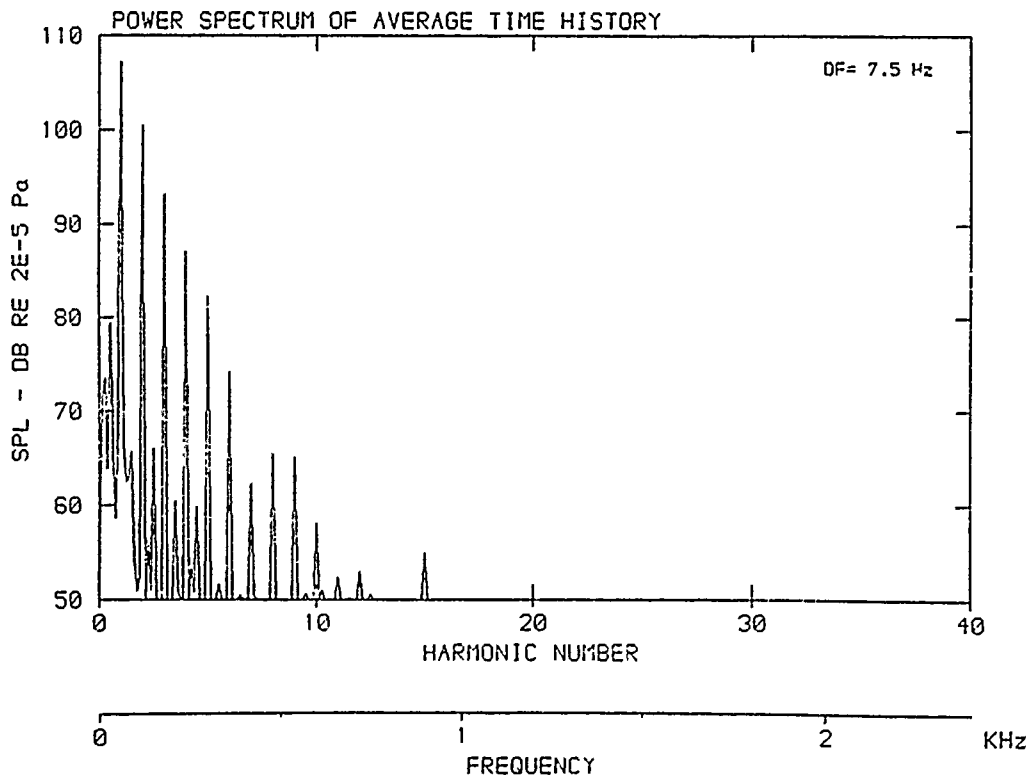




DATA POINT: CN-1 RUN: 104 MP: 4

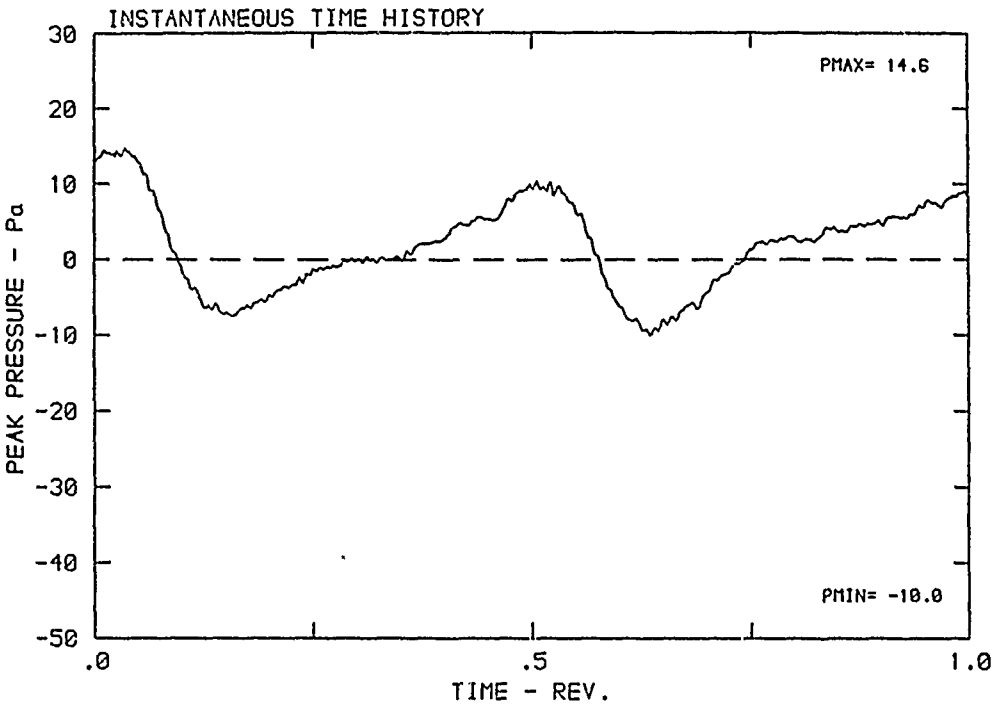
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

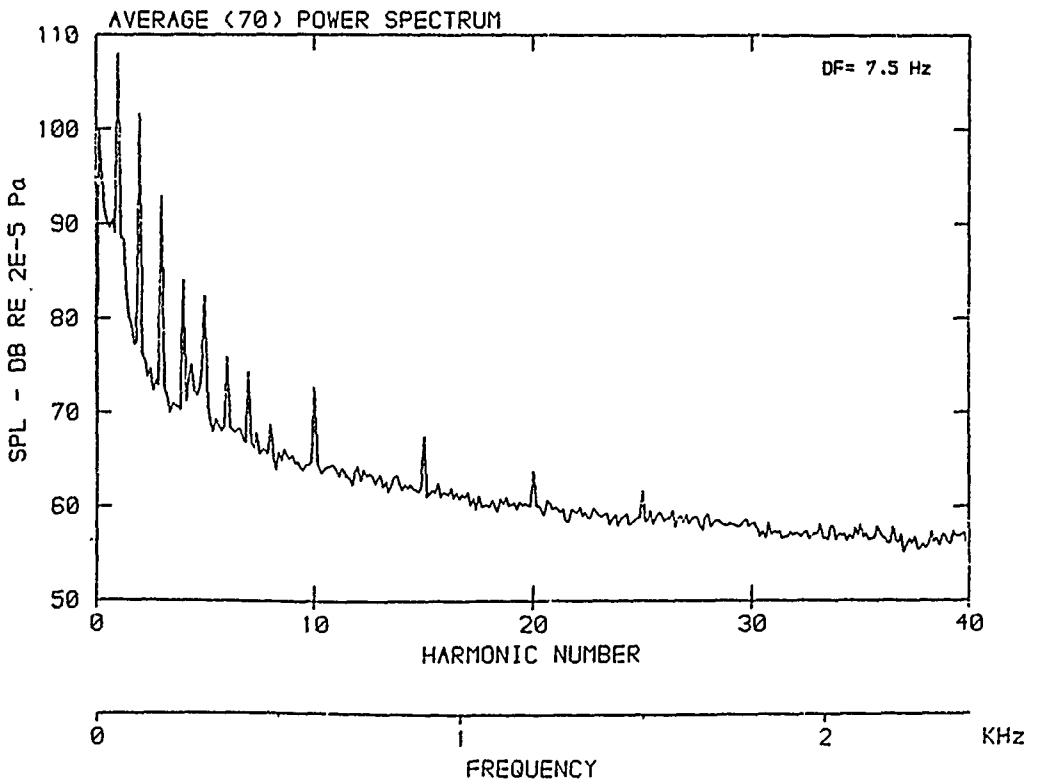




DATA POINT: CN-1 RUN: 104 MP: 5

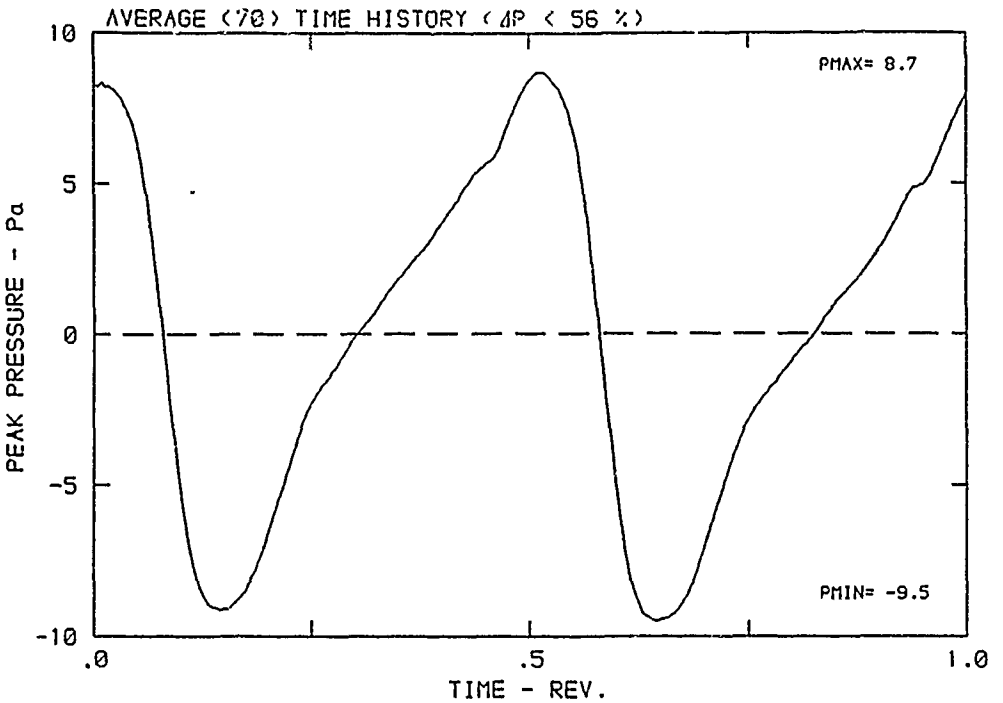
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

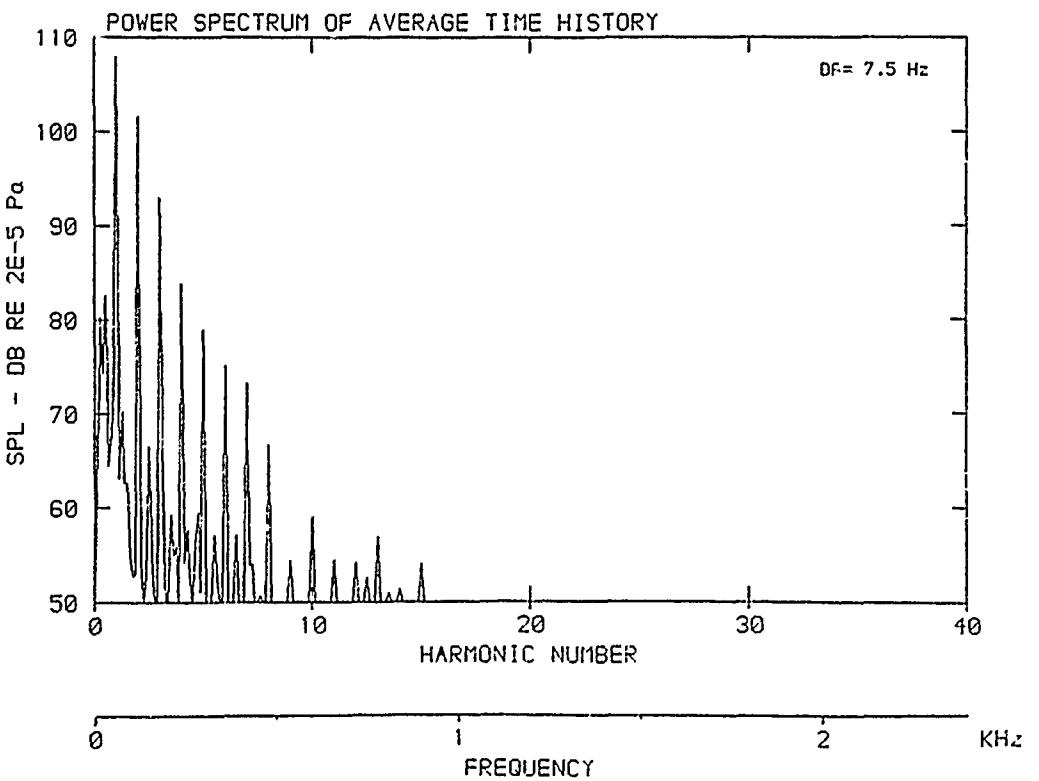




DATA POINT: CN-1	RUN: 104	MP: 5

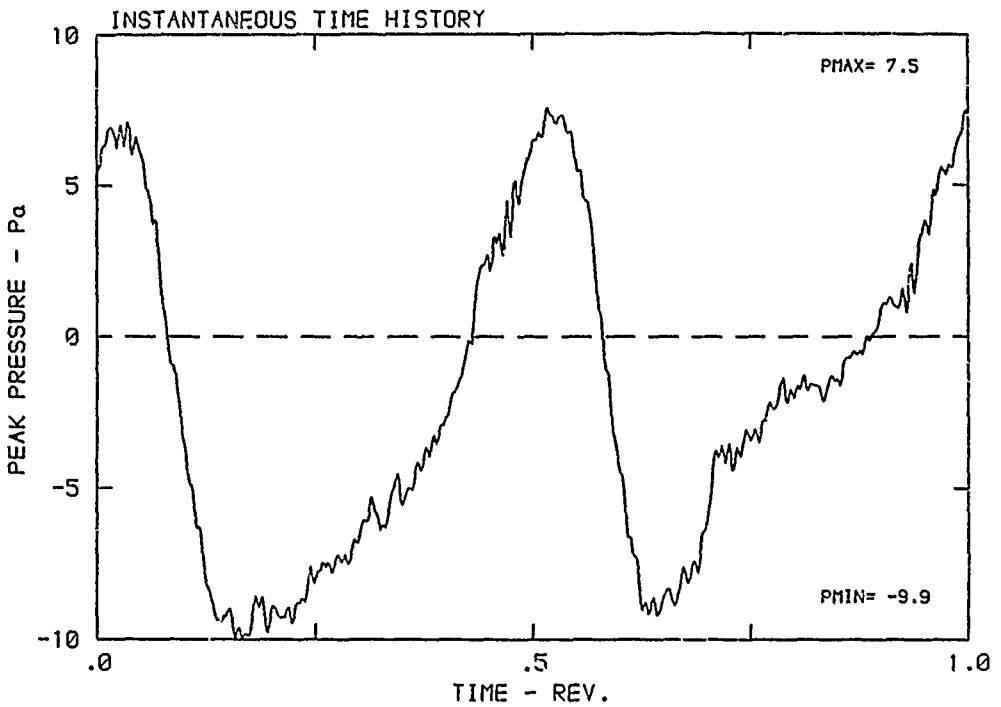
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

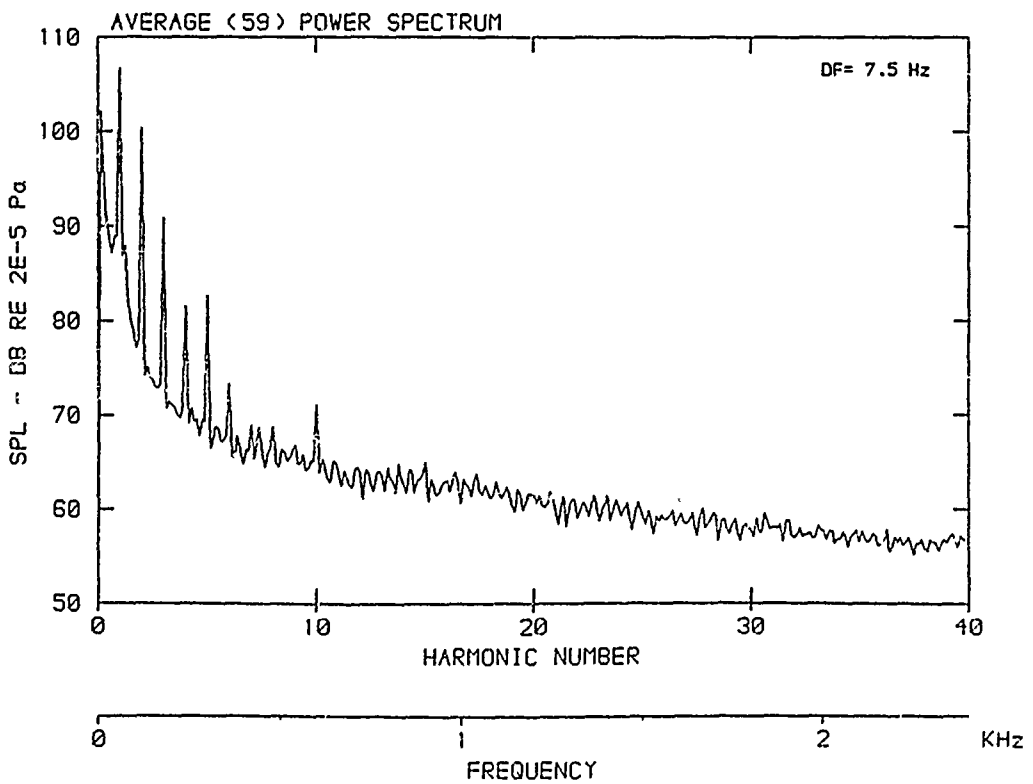




DATA POINT: CN-1 RUN: 104 MP: 6

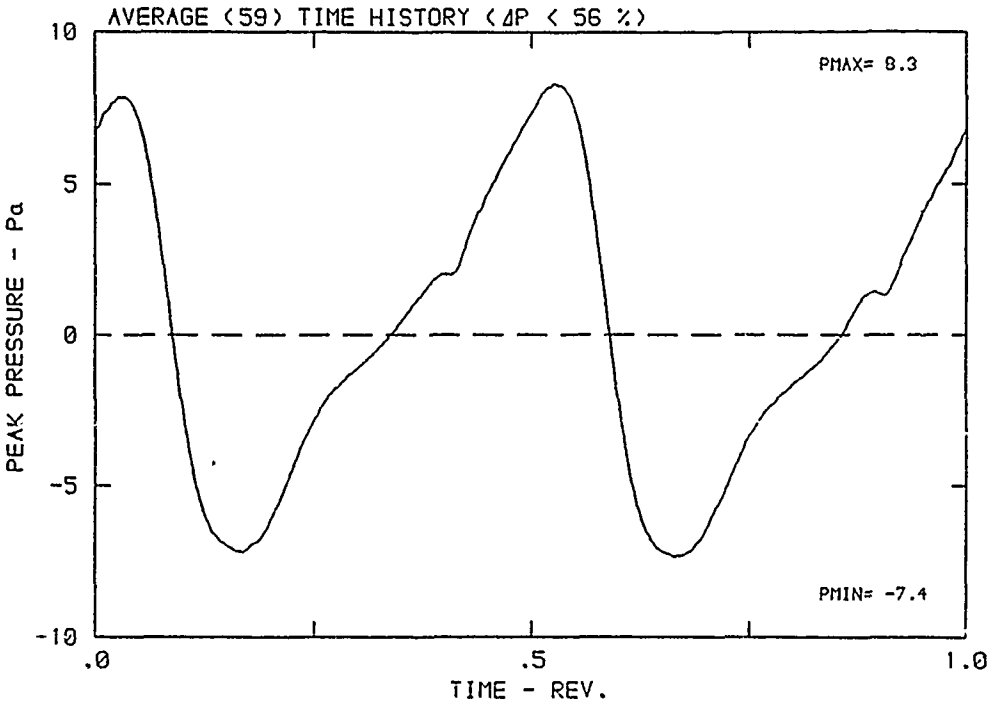
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

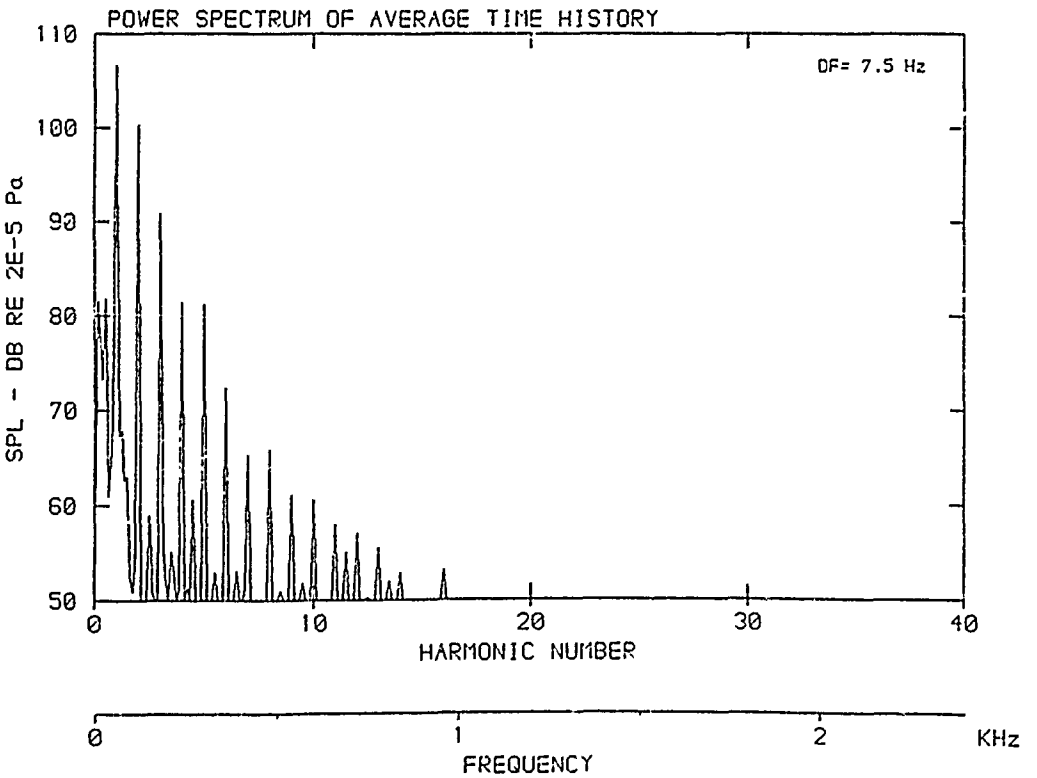




DATA POINT: CN-1 RUN: 104 MP: 6

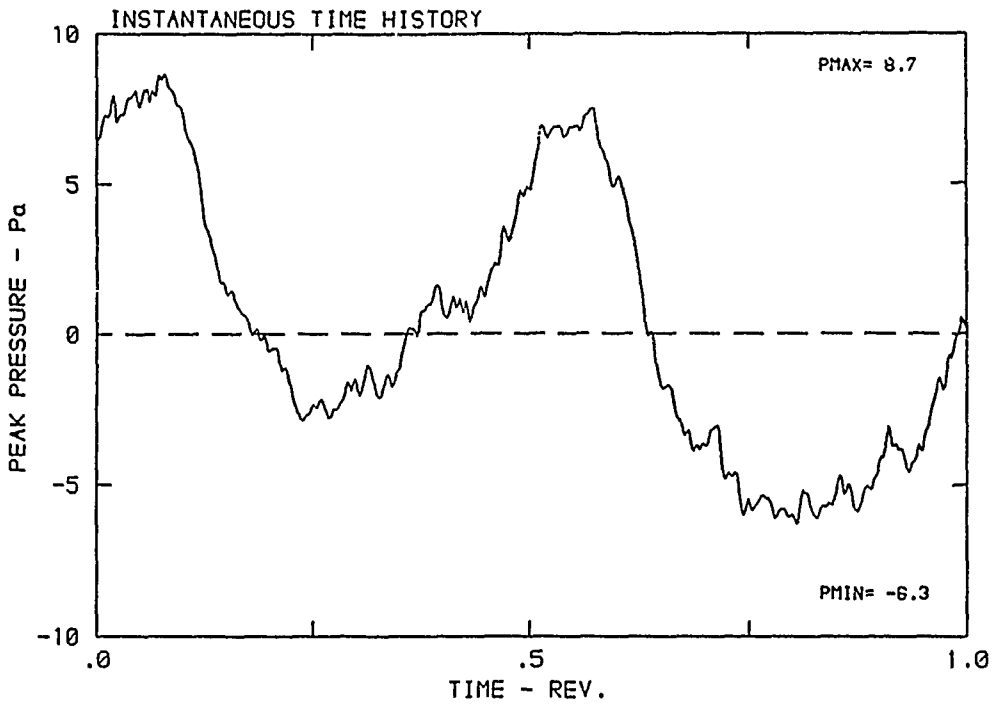
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

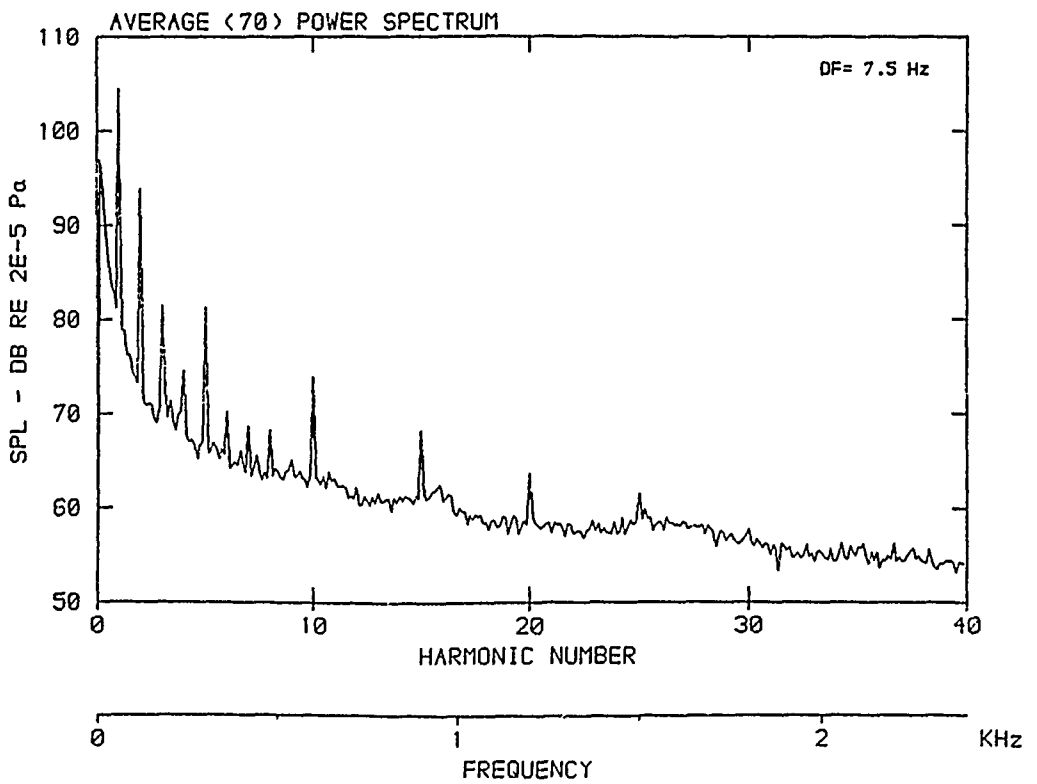




DATA POINT: CN-1 RUN: 104 MP: 7

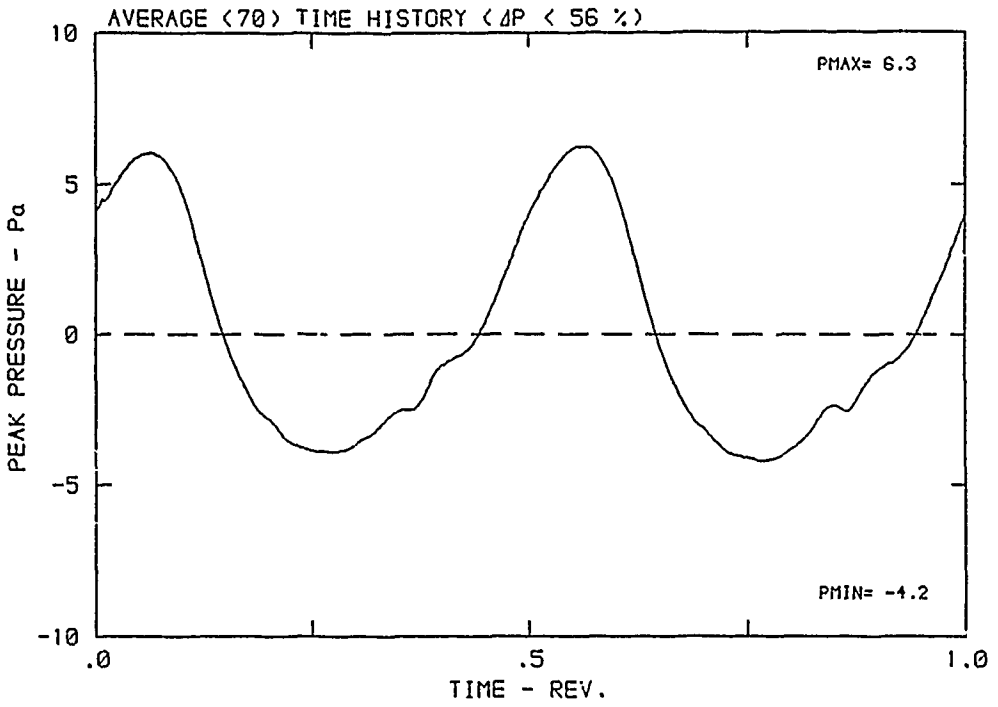
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

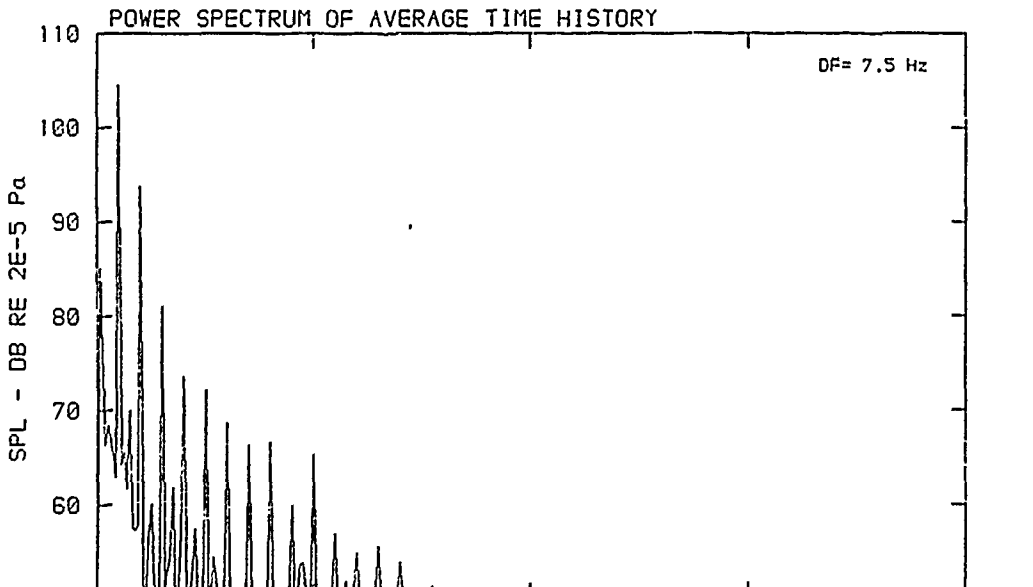




DATA POINT: CN-1 RUN: 104 MP: 7

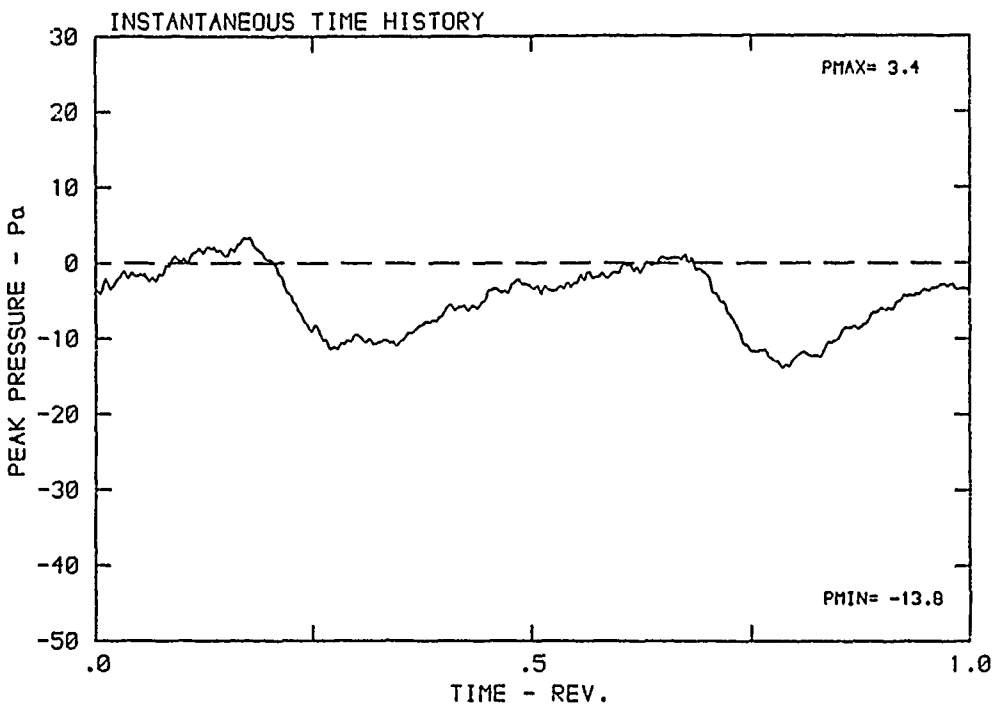
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

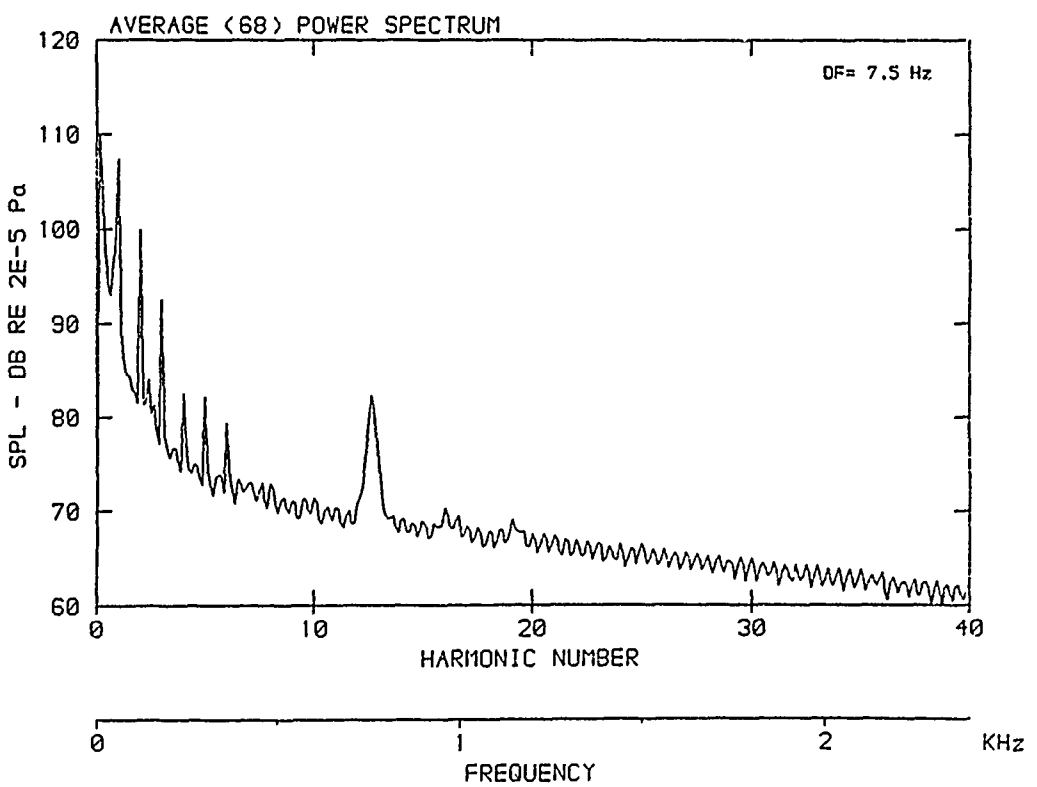




DATA POINT: CN-1 RUN: 104 MP: 9

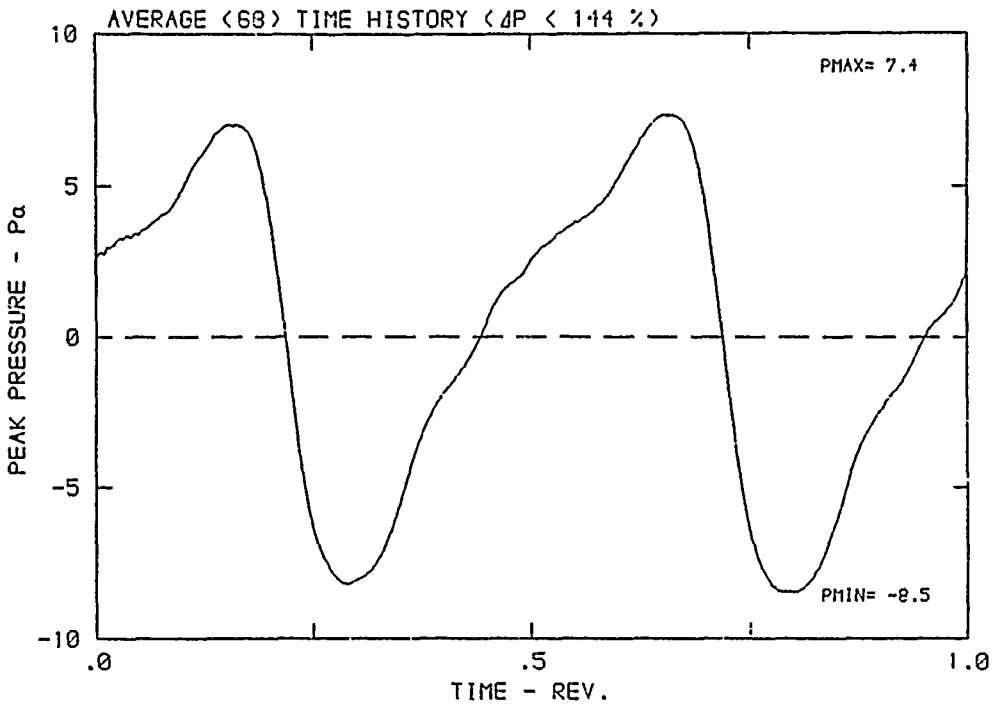
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

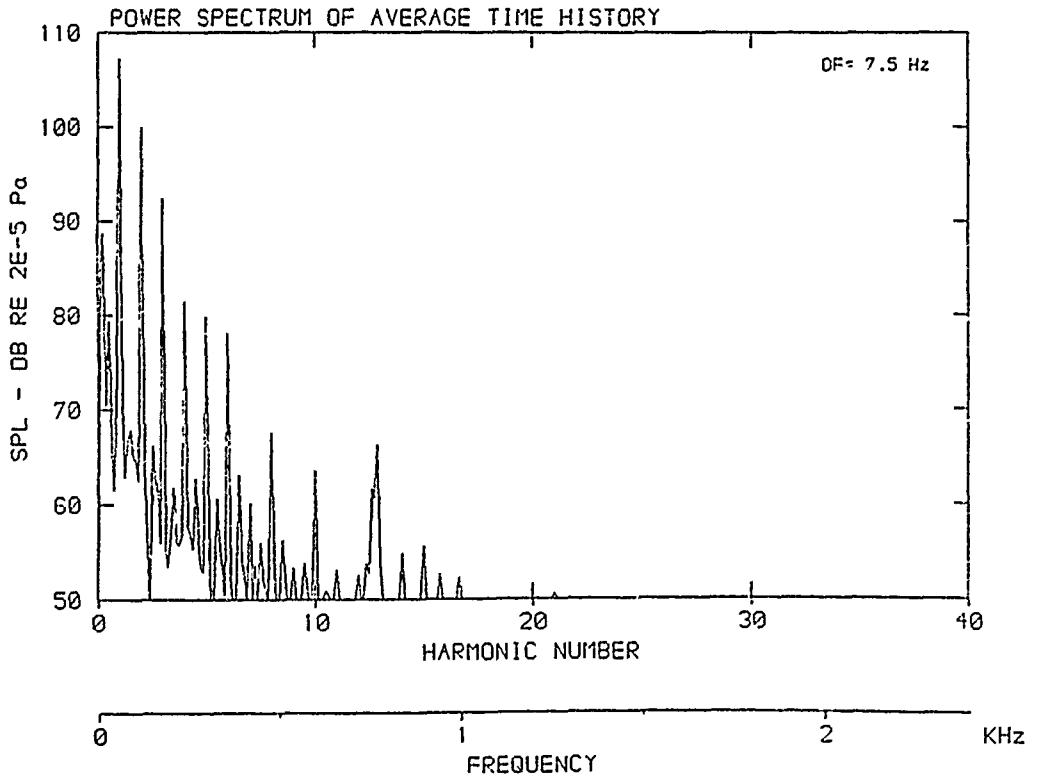




DATA POINT: CN-1 RUN: 104 MP: 9

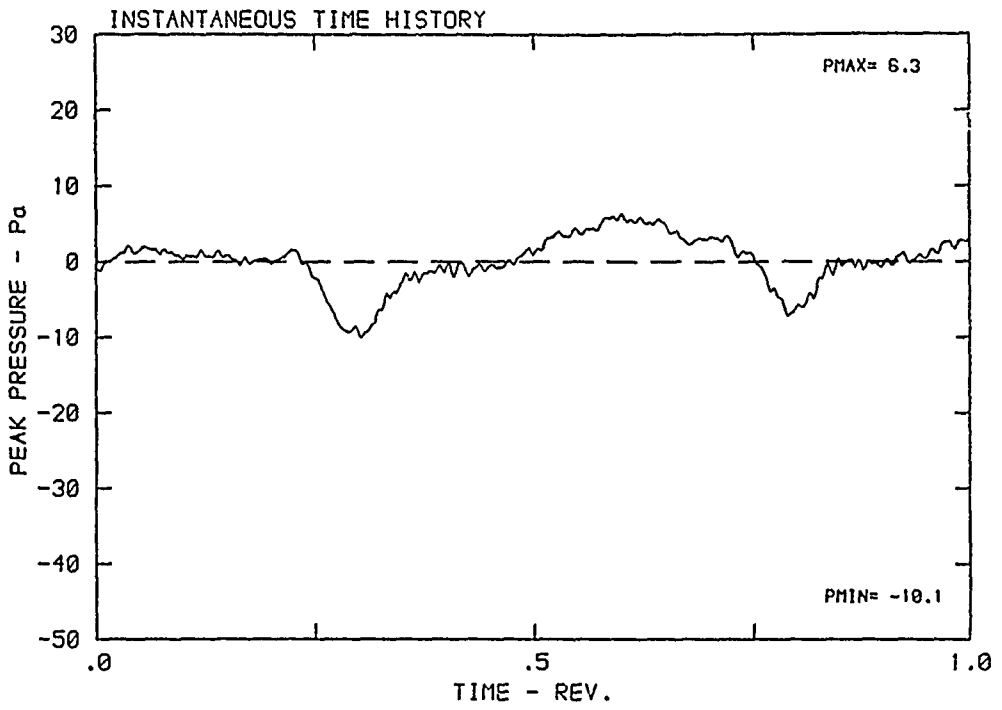
β: 23.7° MH: .5745 n: 1800 rpm v/u: .200 ϕ: .0° T: 287.5 K

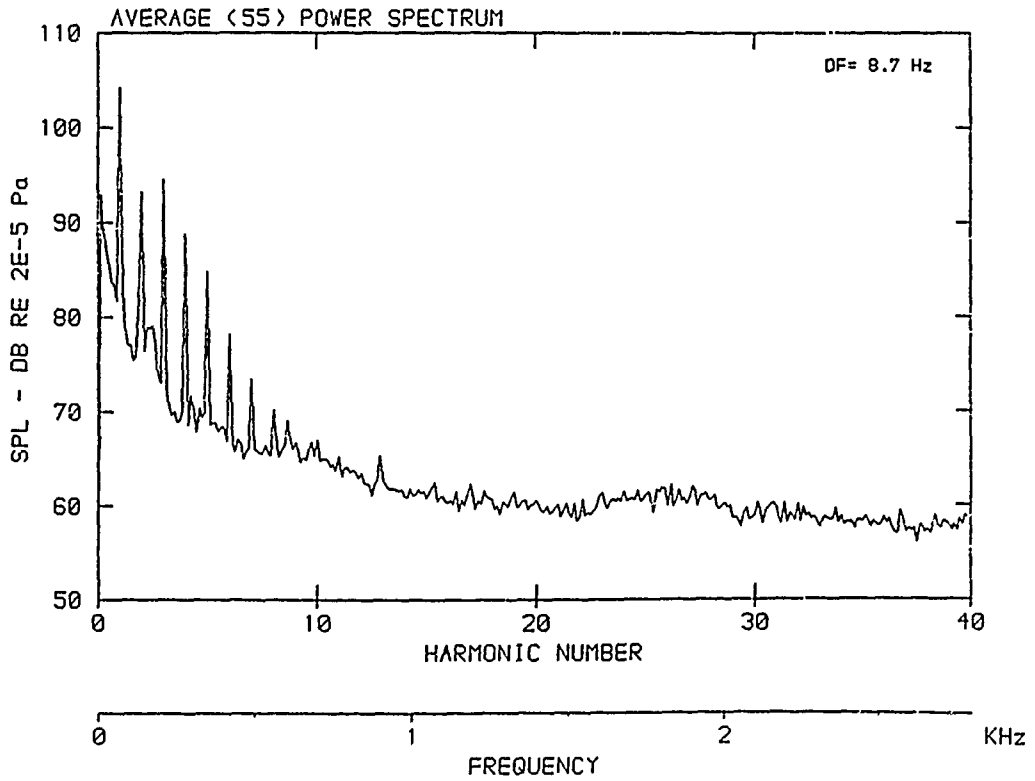




DATA POINT: CN-2 RUN: 103 MP: 1

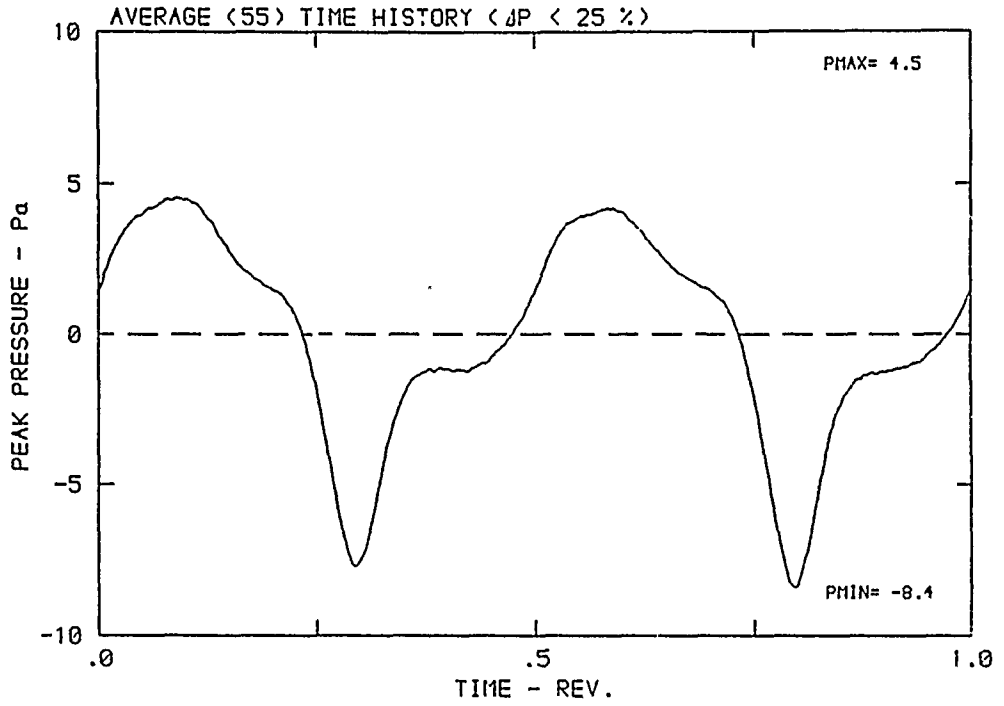
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

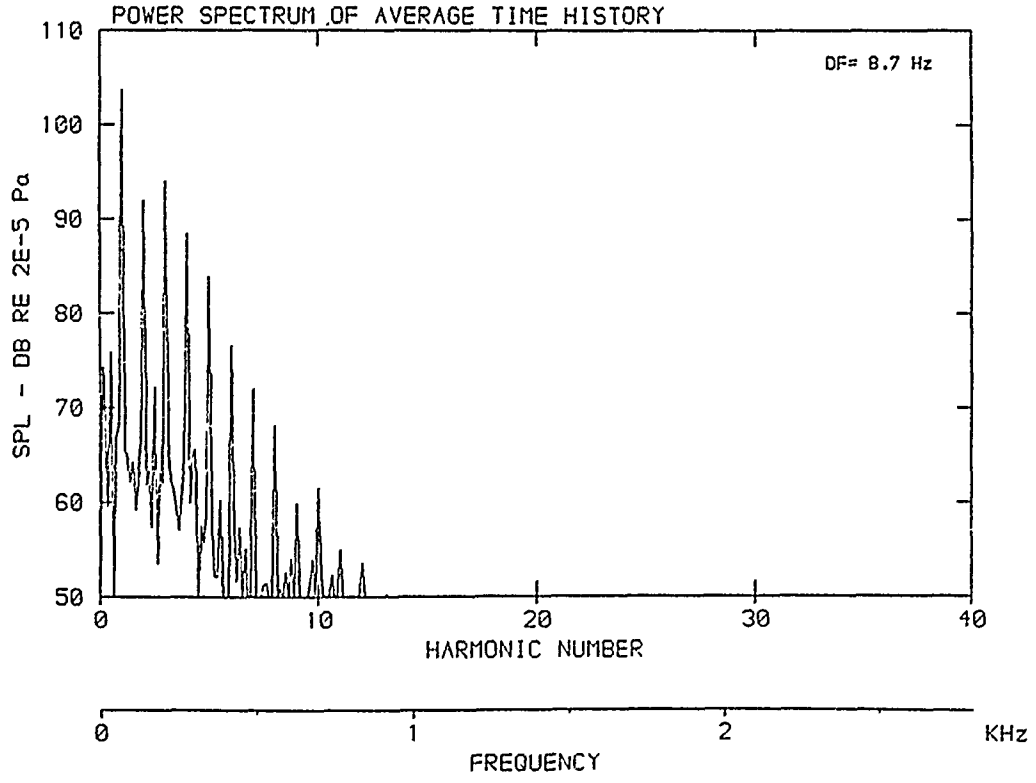




DATA POINT: CN-2 RUN: 103 MP: 1

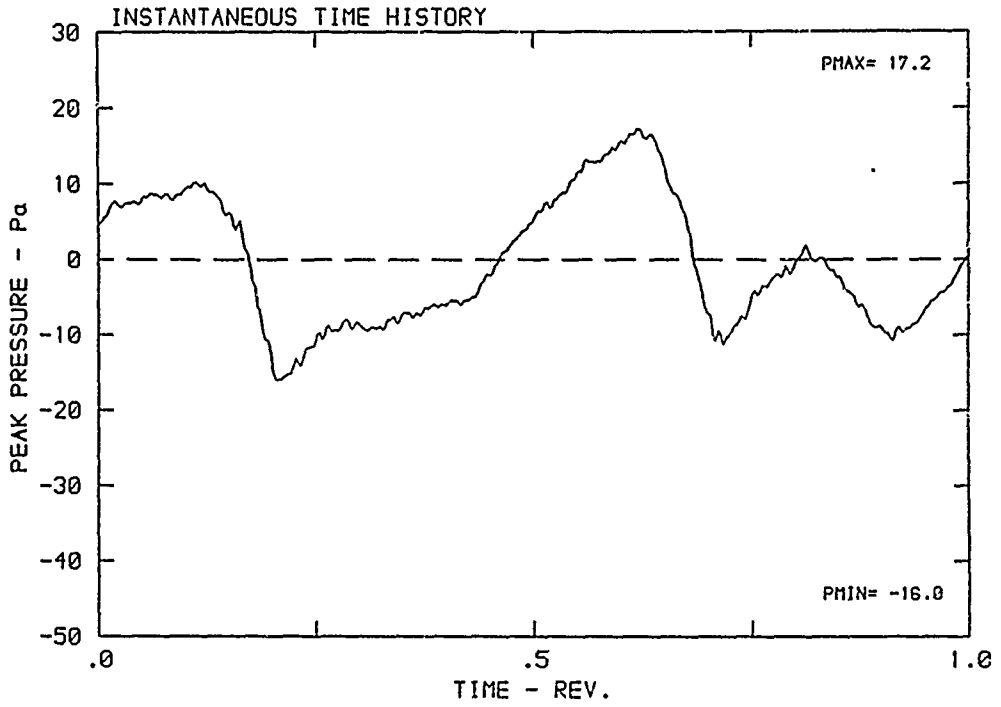
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

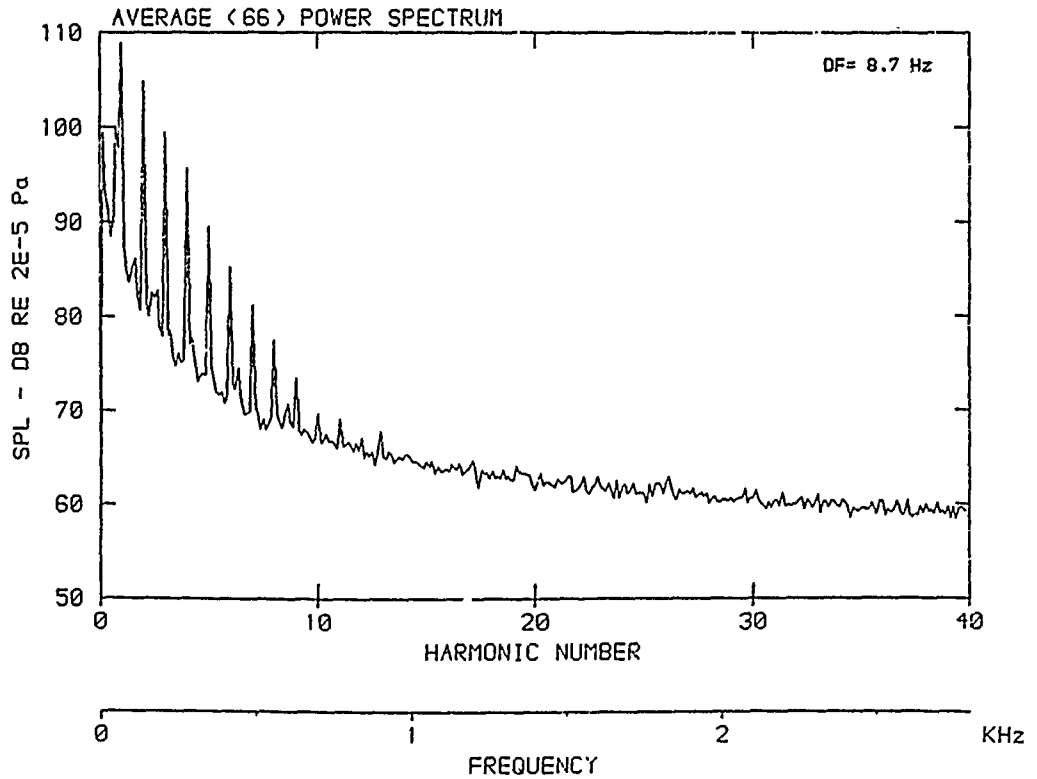




DATA POINT: CN-2 RUN: 103 MP: 2

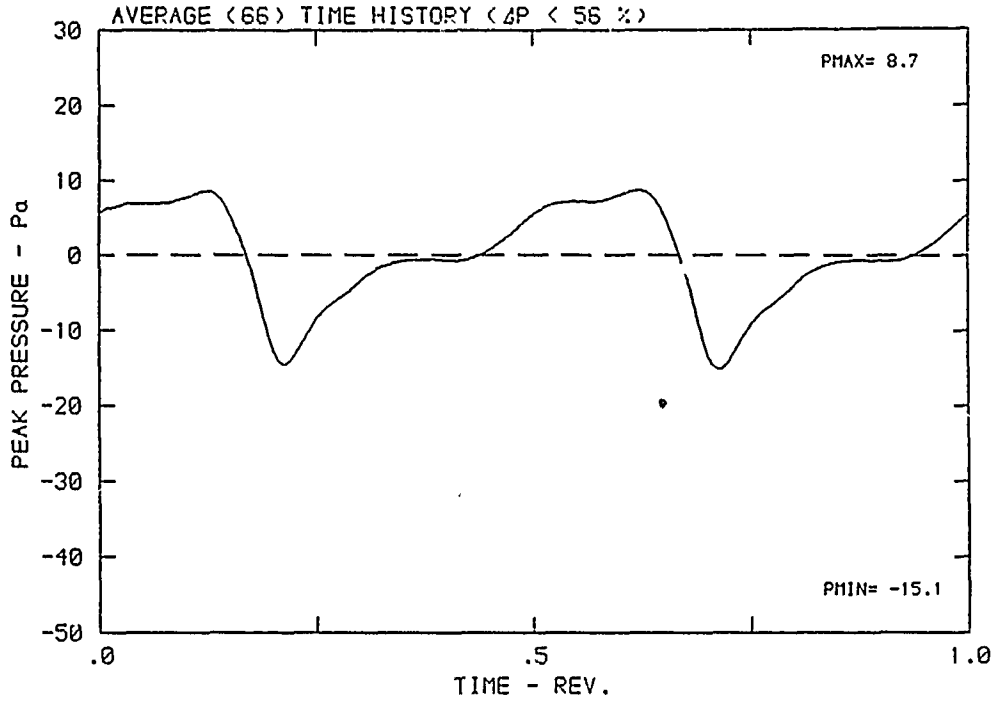
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

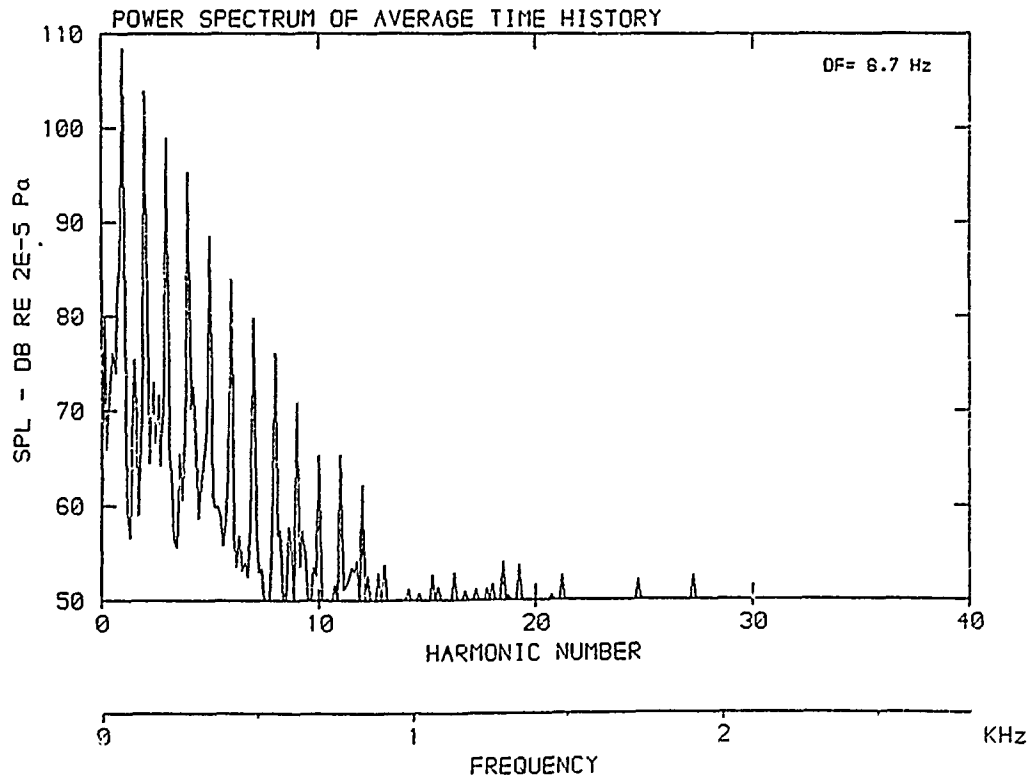




DATA POINT: CN-2 RUN: 103 MP: 2

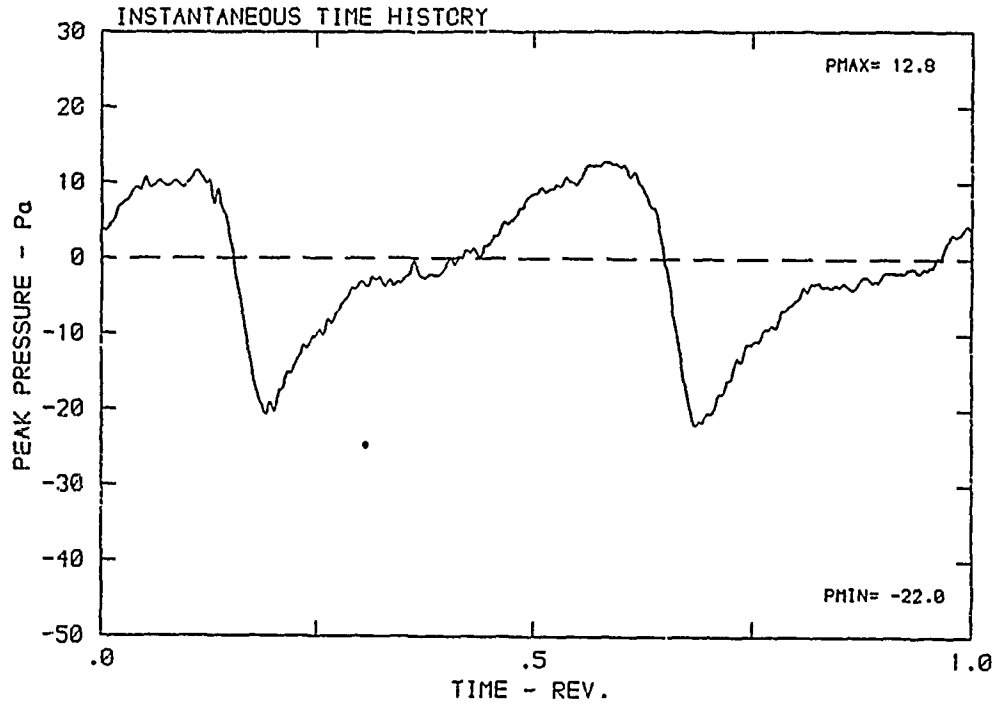
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

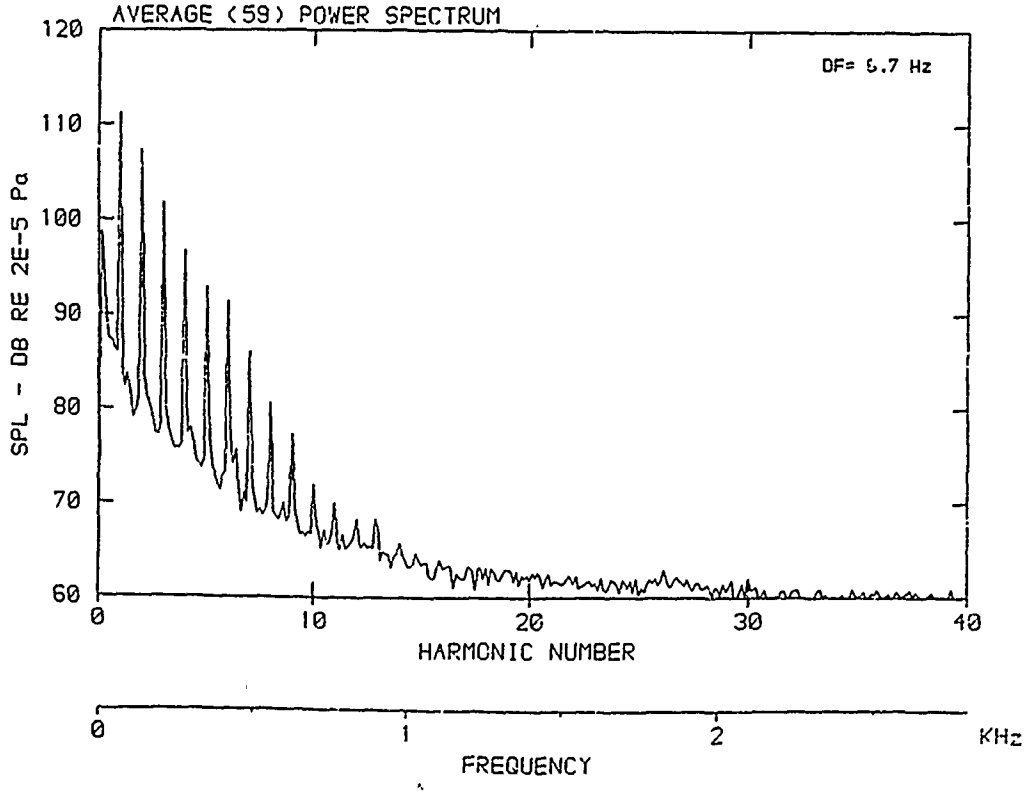




DATA POINT: CN-2 RUN: 103 MP: 3

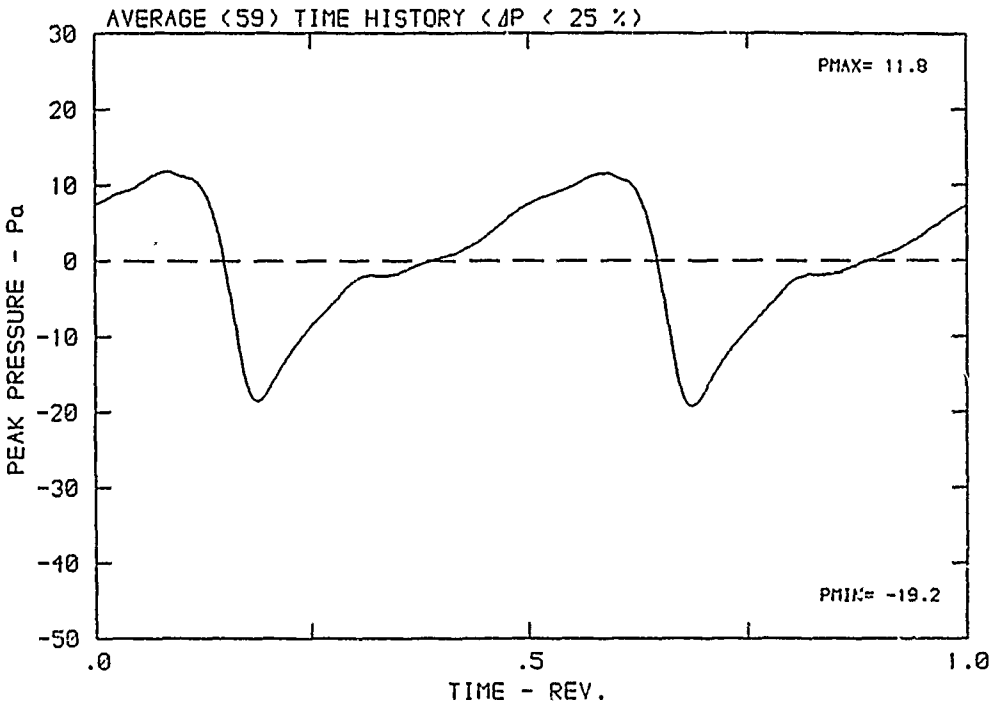
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

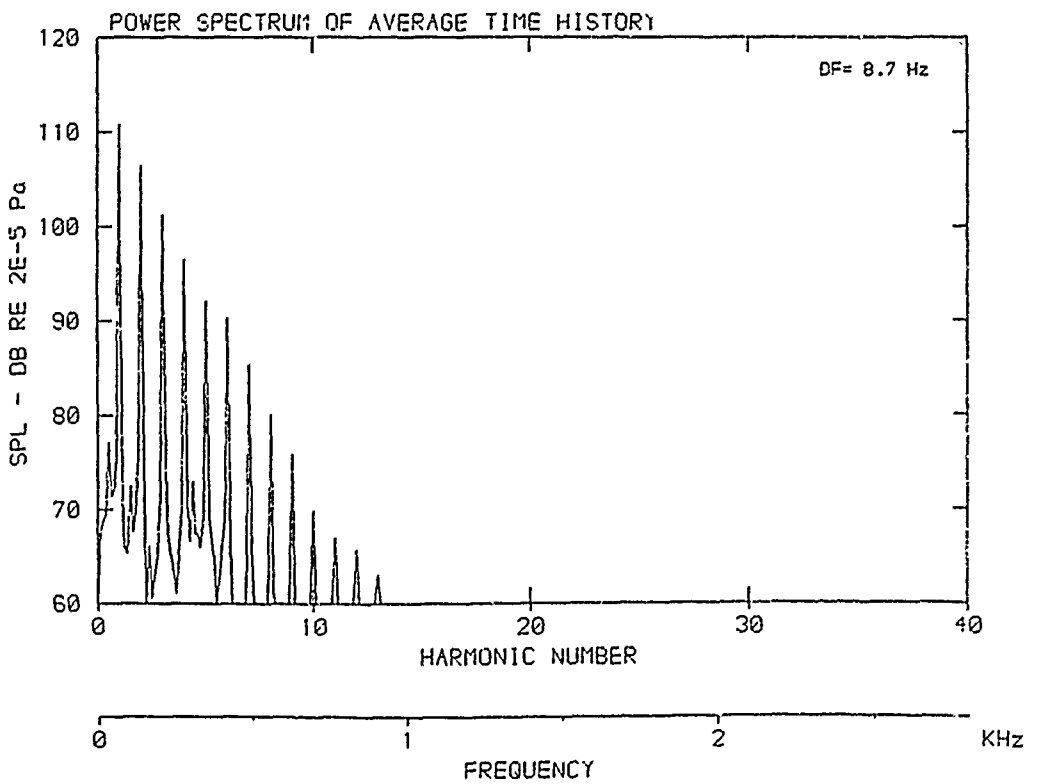




DATA POINT: CN-2 RUN: 103 MP: 3

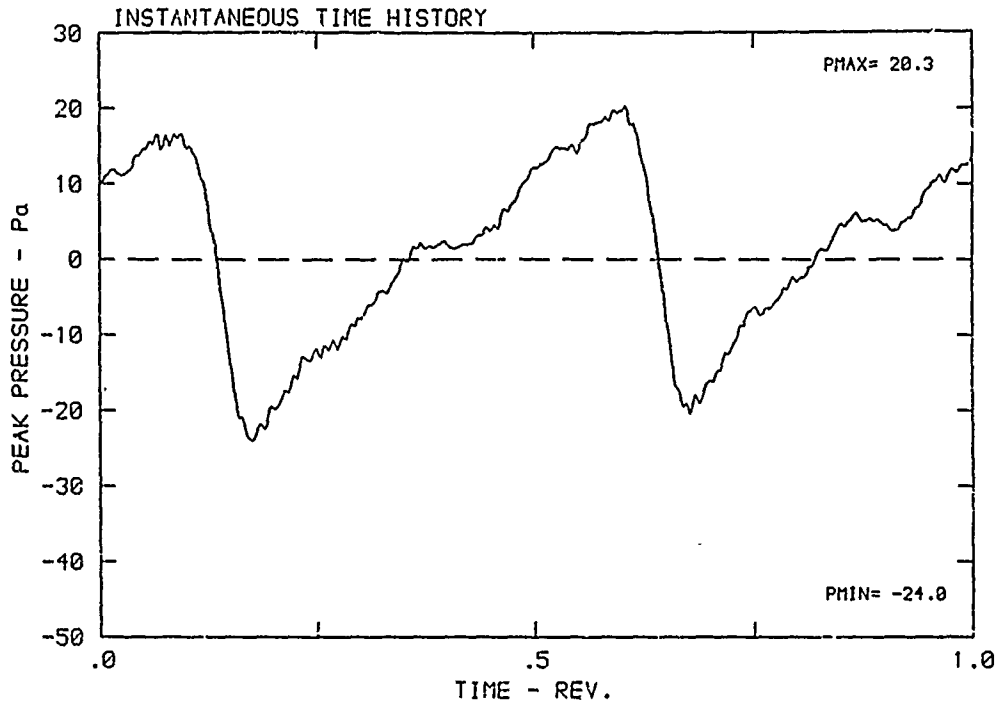
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

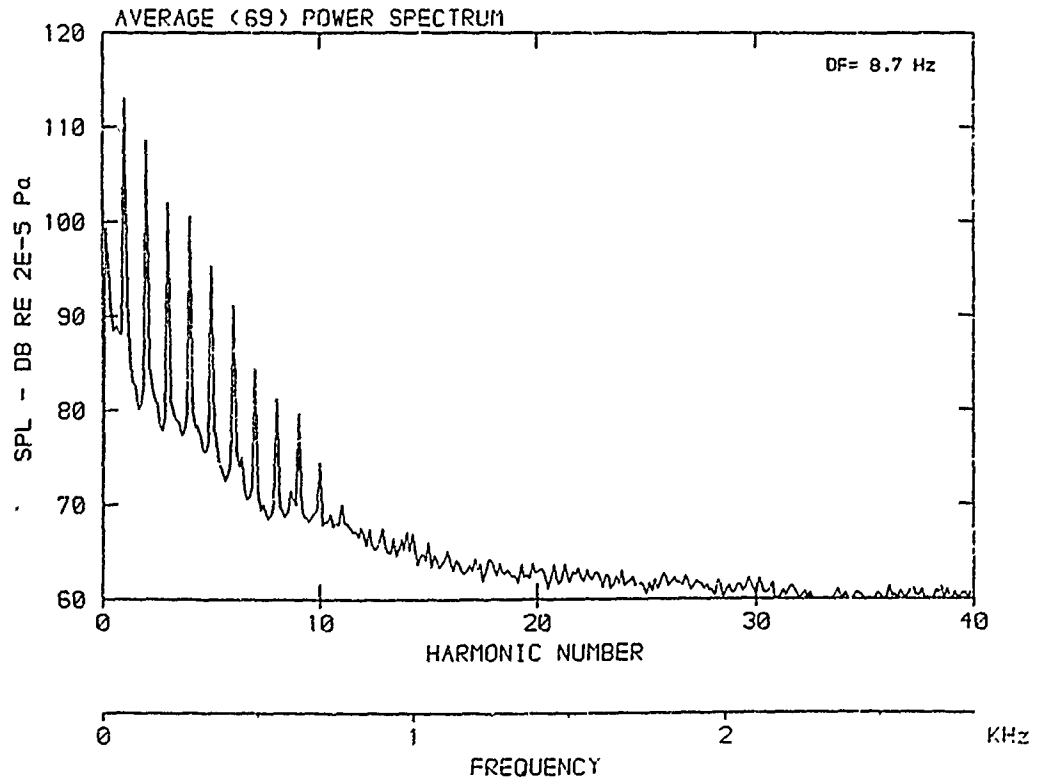




DATA POINT: CN-2 RUN: 103 MP: 4

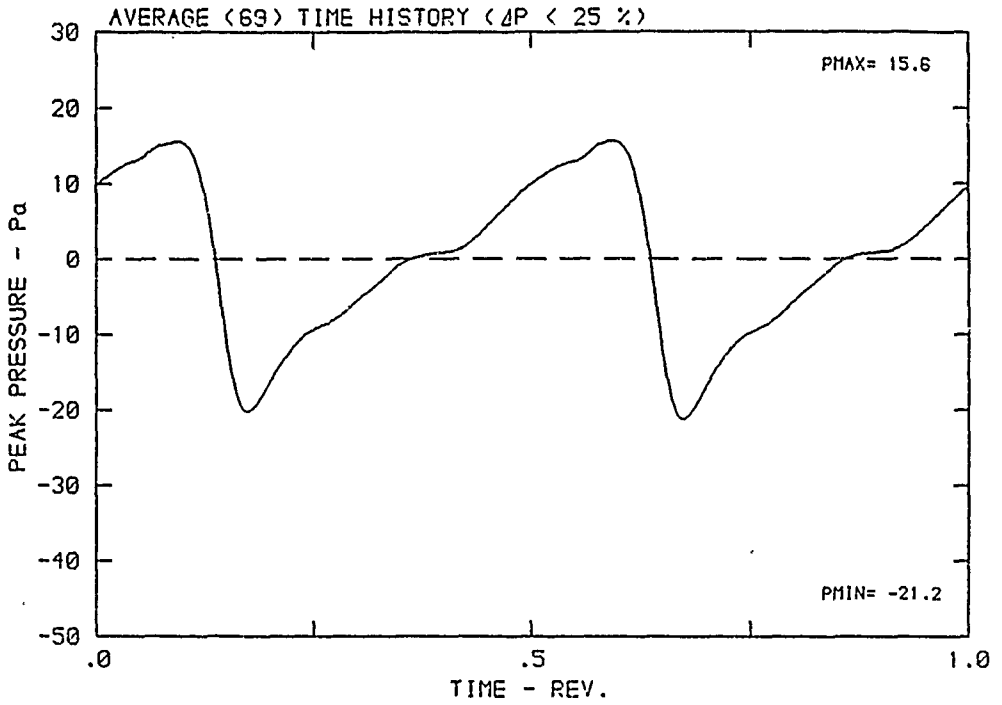
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

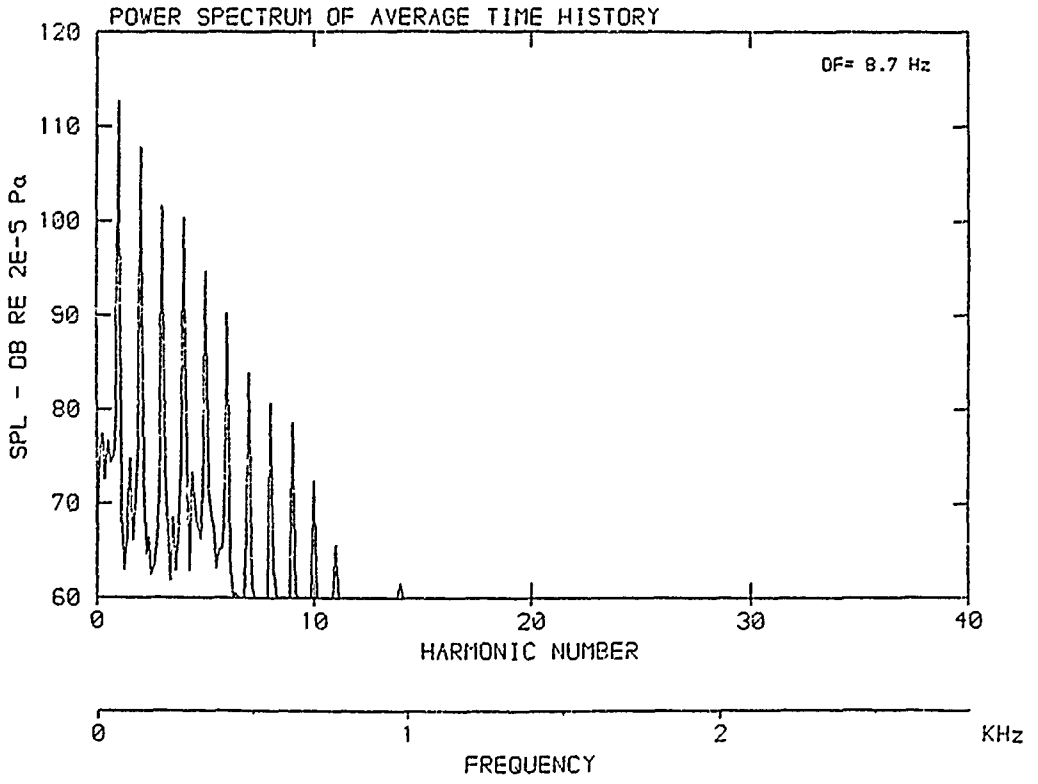




DATA POINT: CN-2	RUN: 103	MP: 4

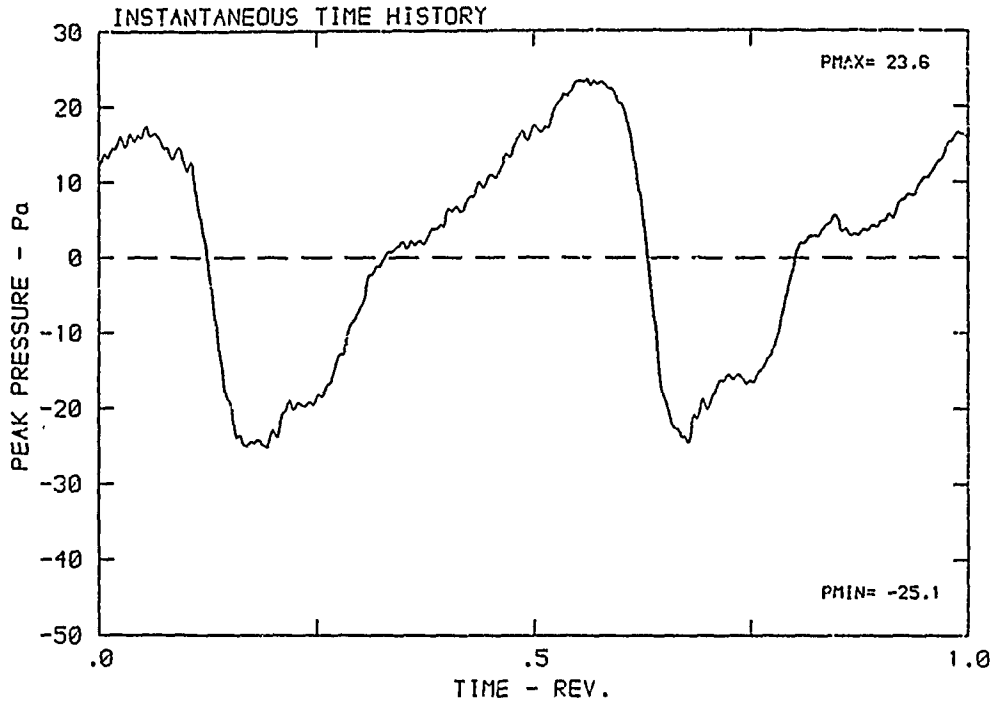
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

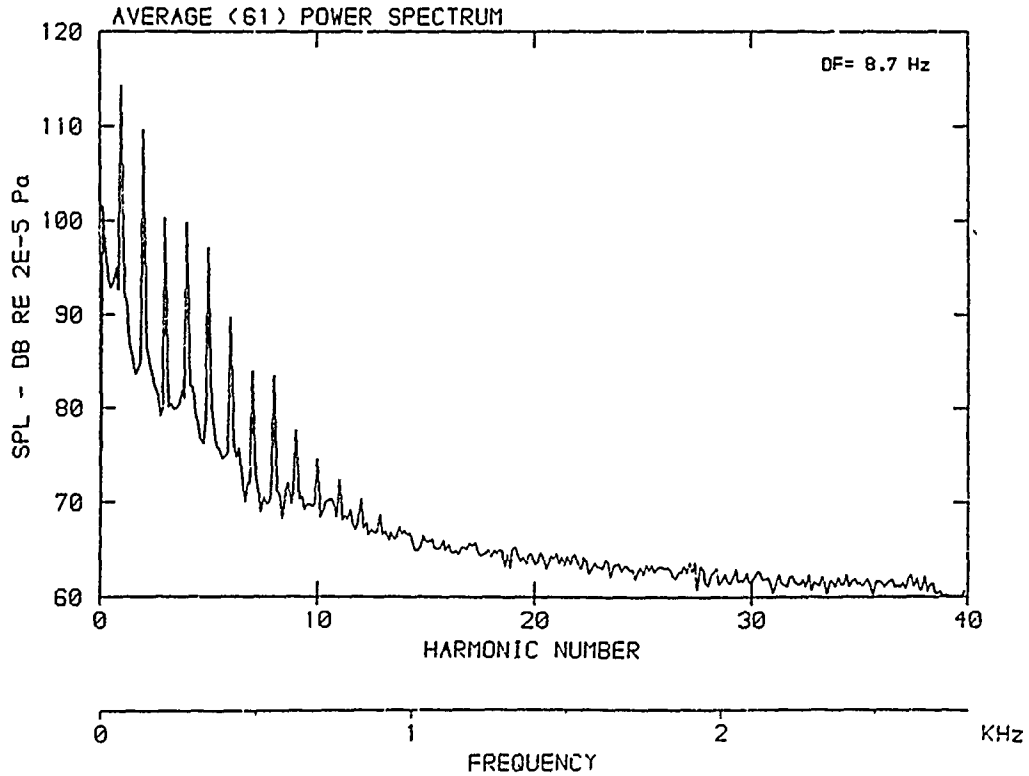




DATA POINT: CN-2 RUN: 103 MP: 5

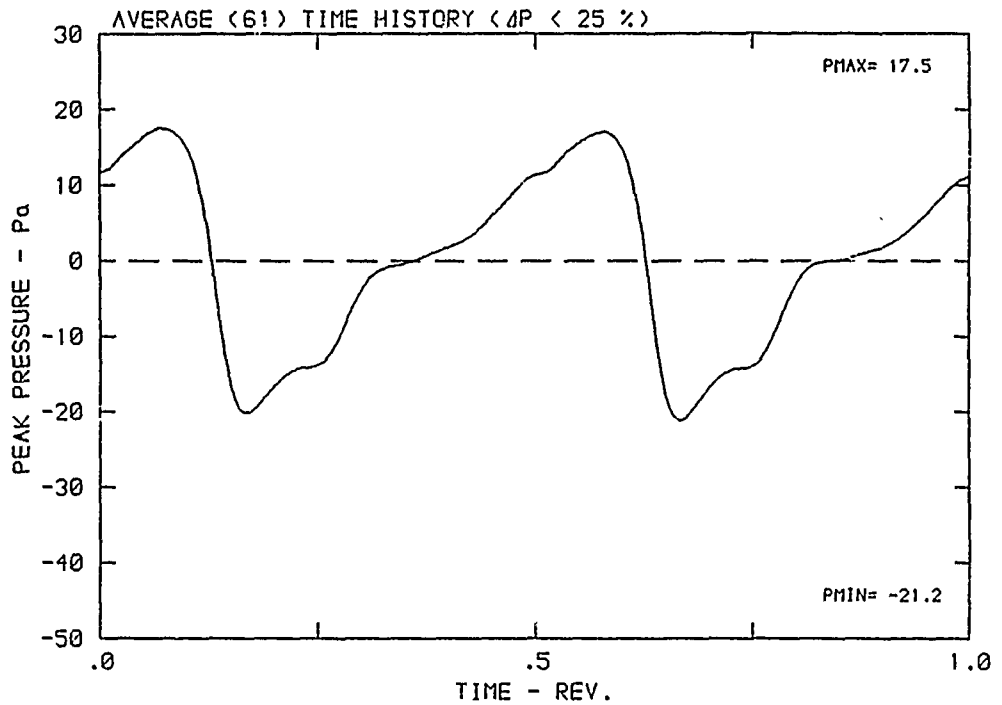
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

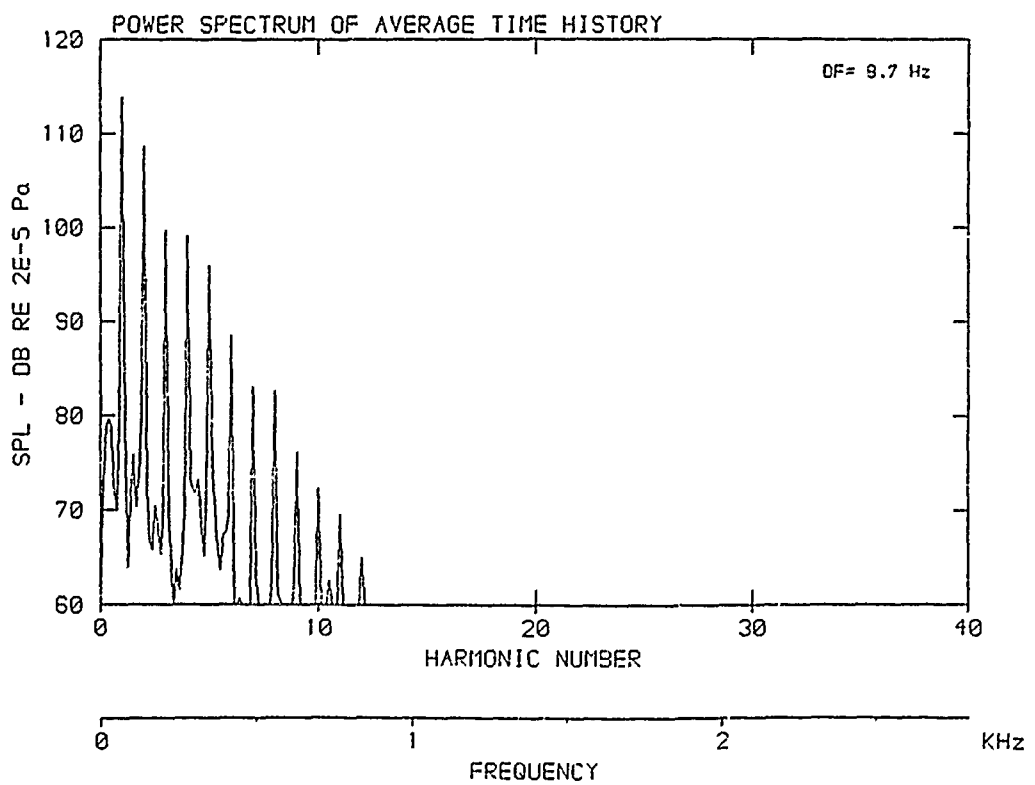




DATA POINT: CN-2 RUN: 103 MP: 5

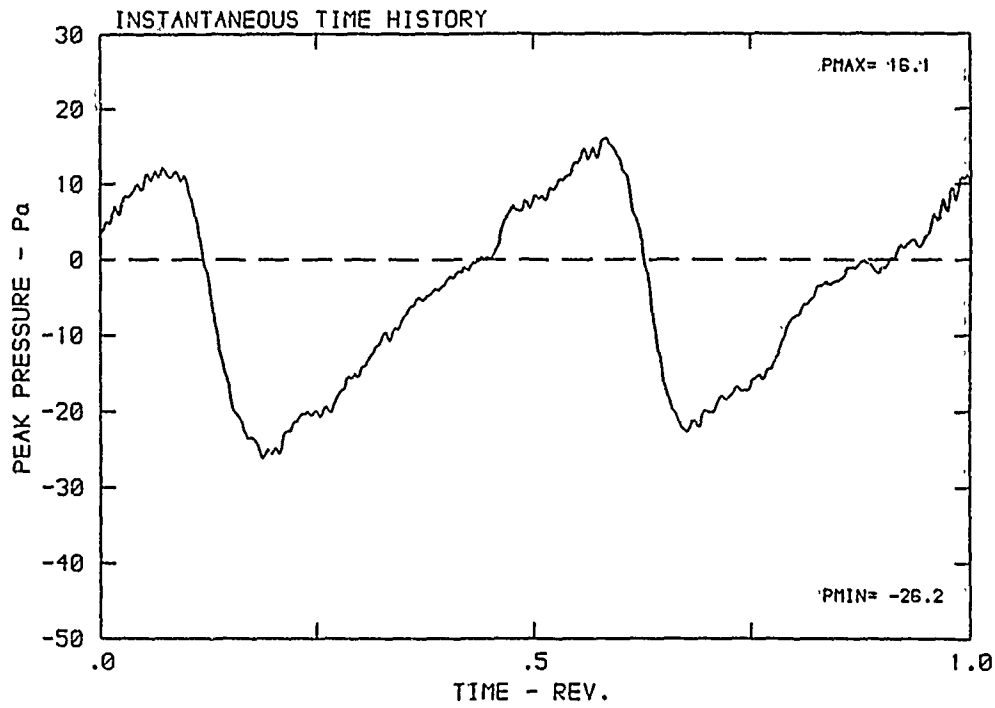
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

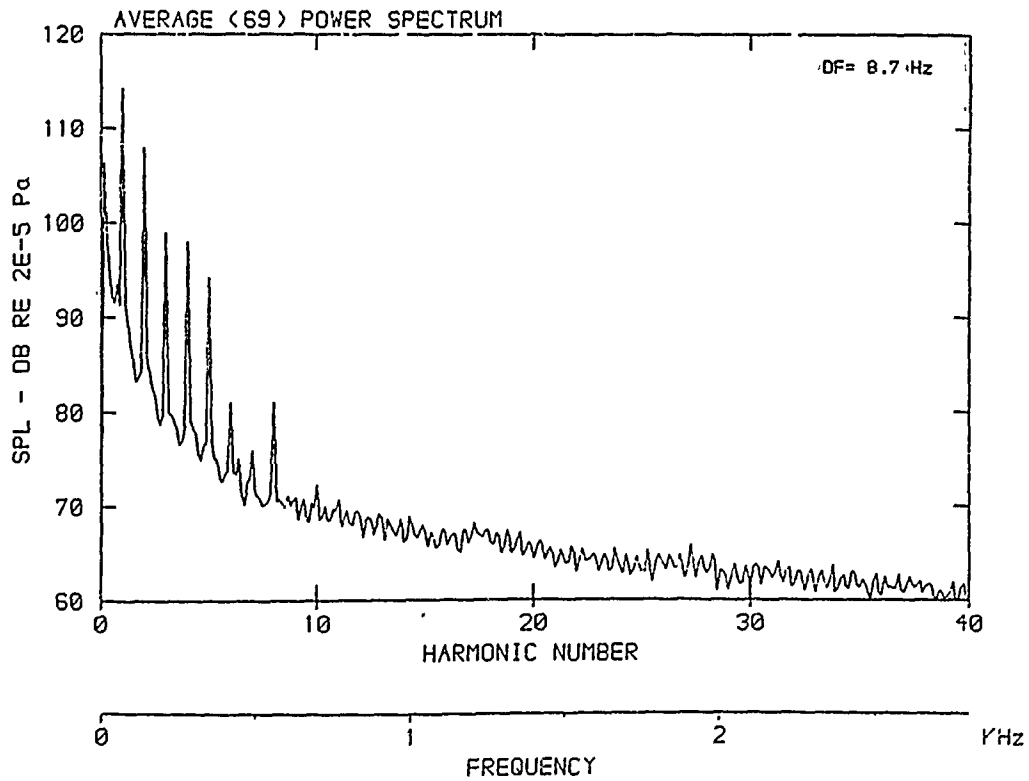




DATA POINT: CN-2 RUN: 103 MP: 6

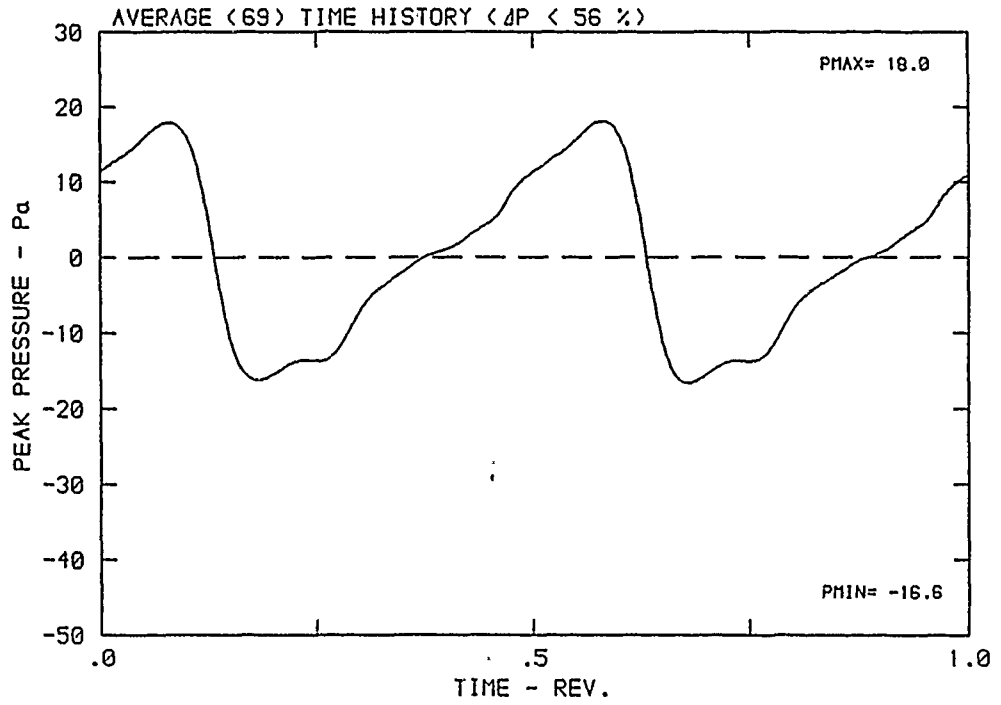
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

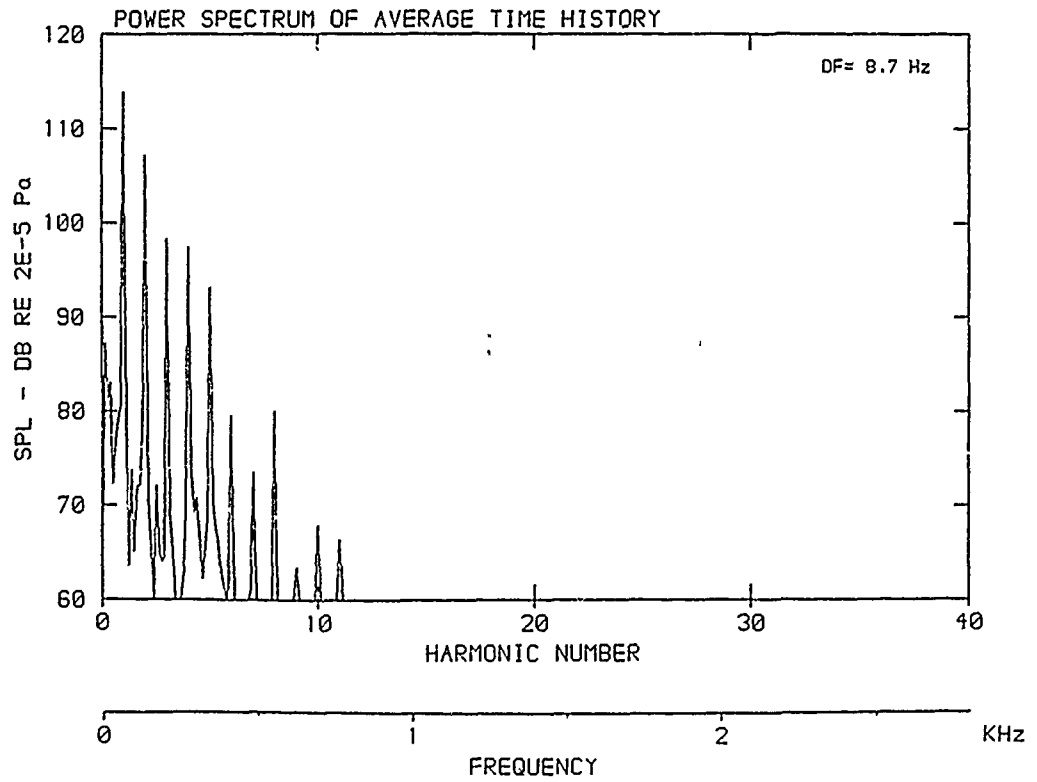




DATA POINT: CN-2 RUN: 103 MP: 6

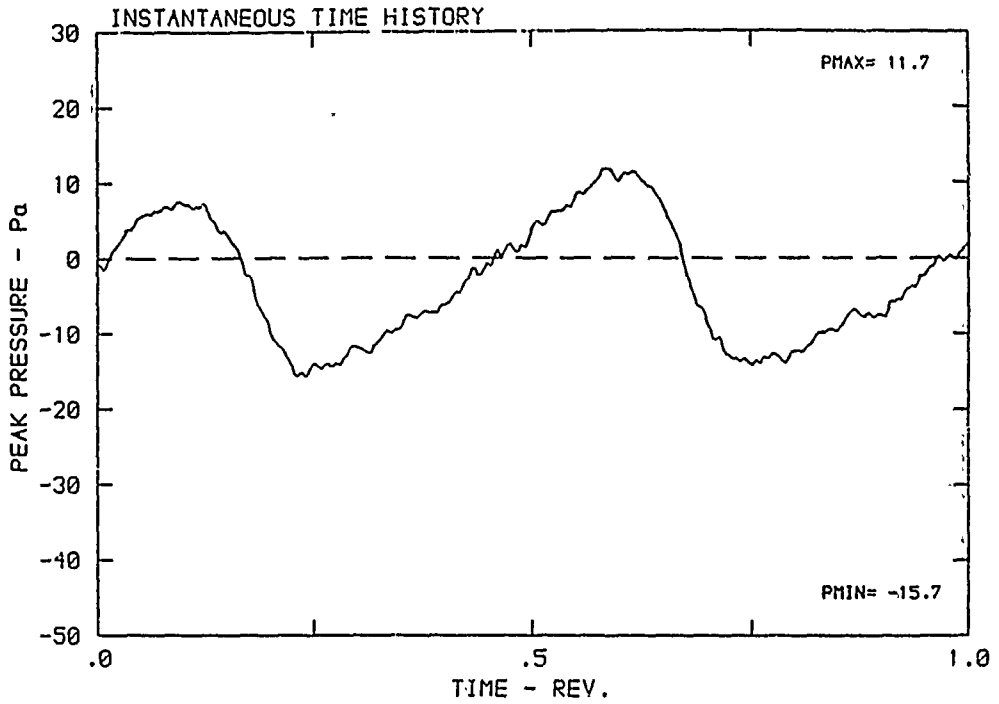
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

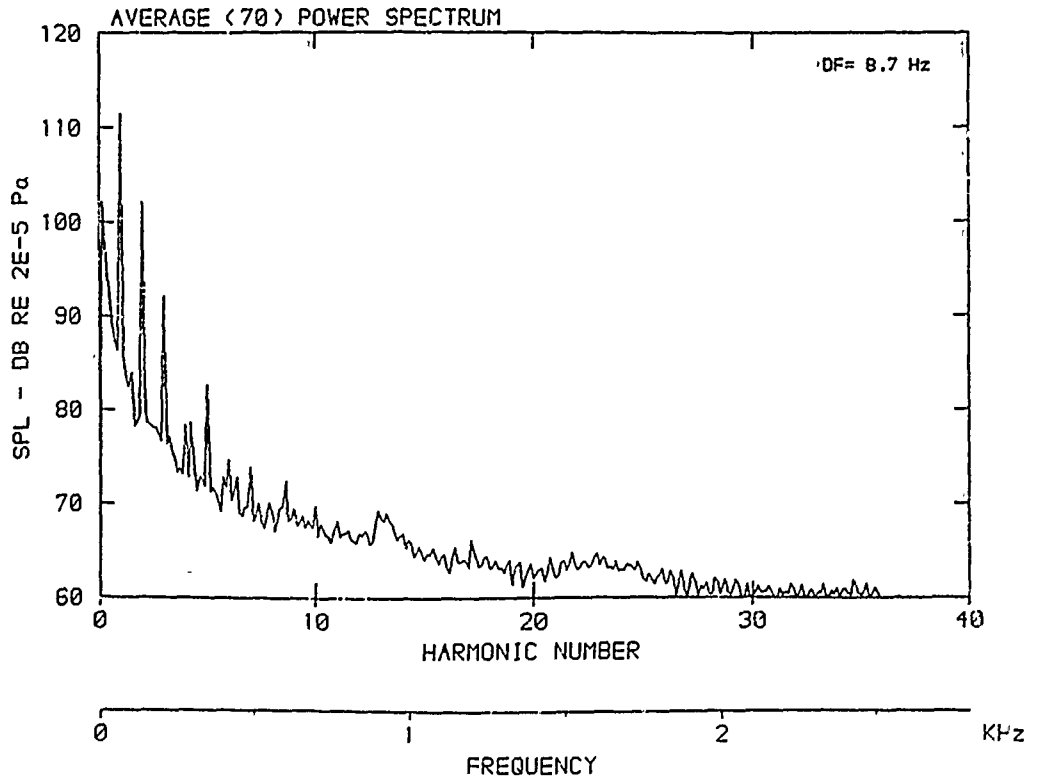




DATA POINT: CN-2 RUN: 103 MP: 7

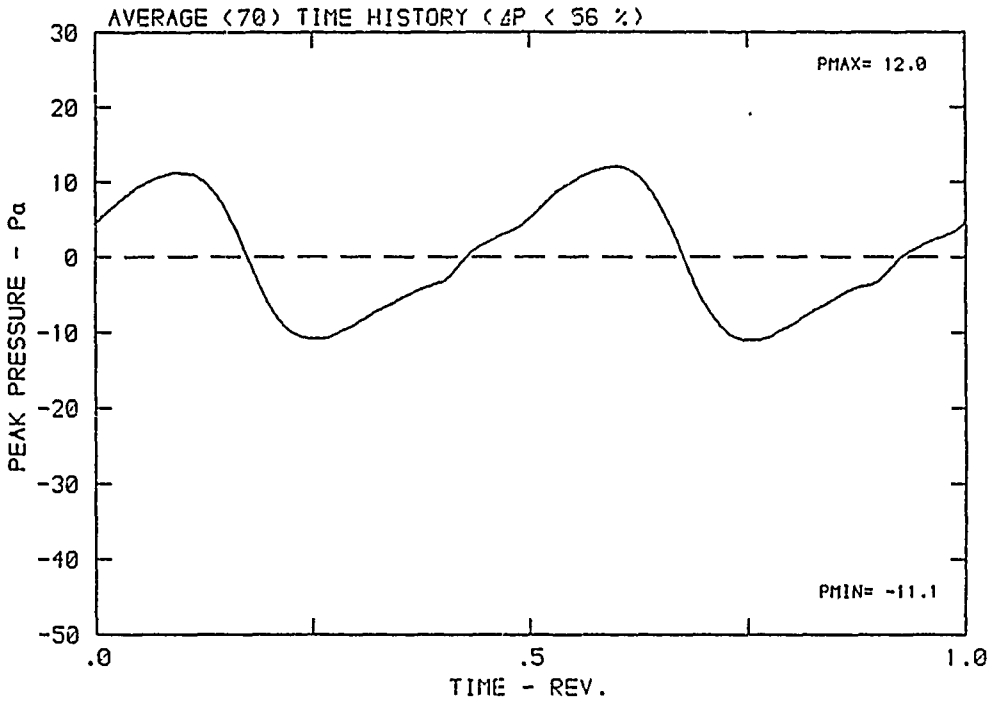
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

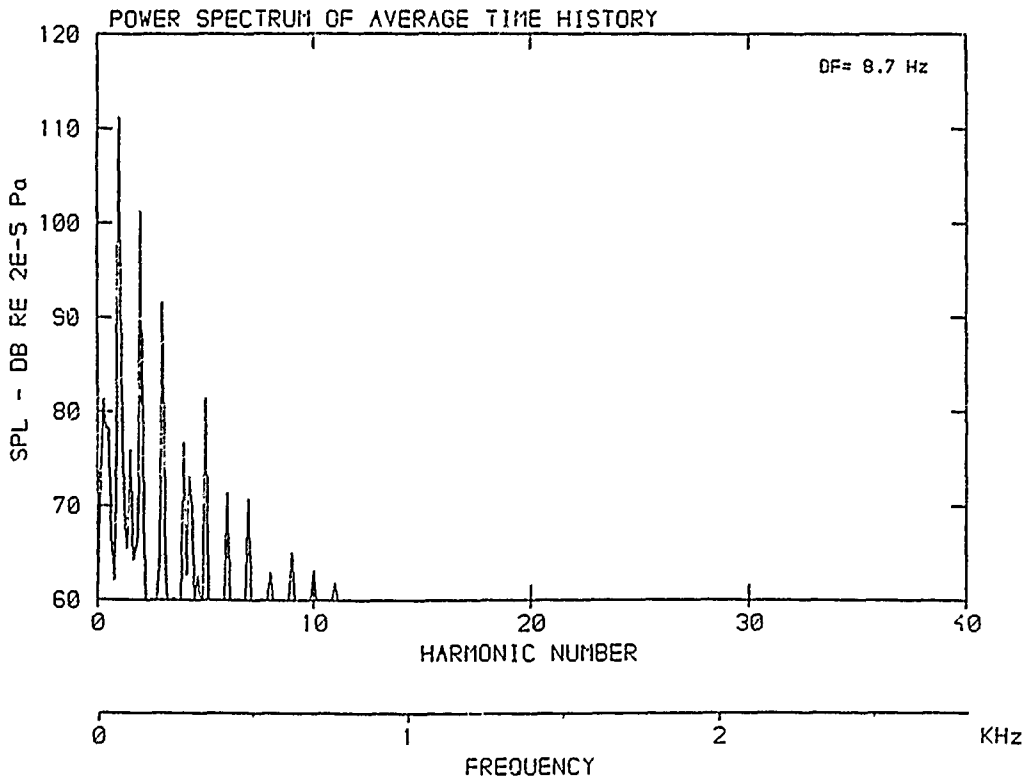




DATA POINT: CN-2 RUN: 103 MP: 7

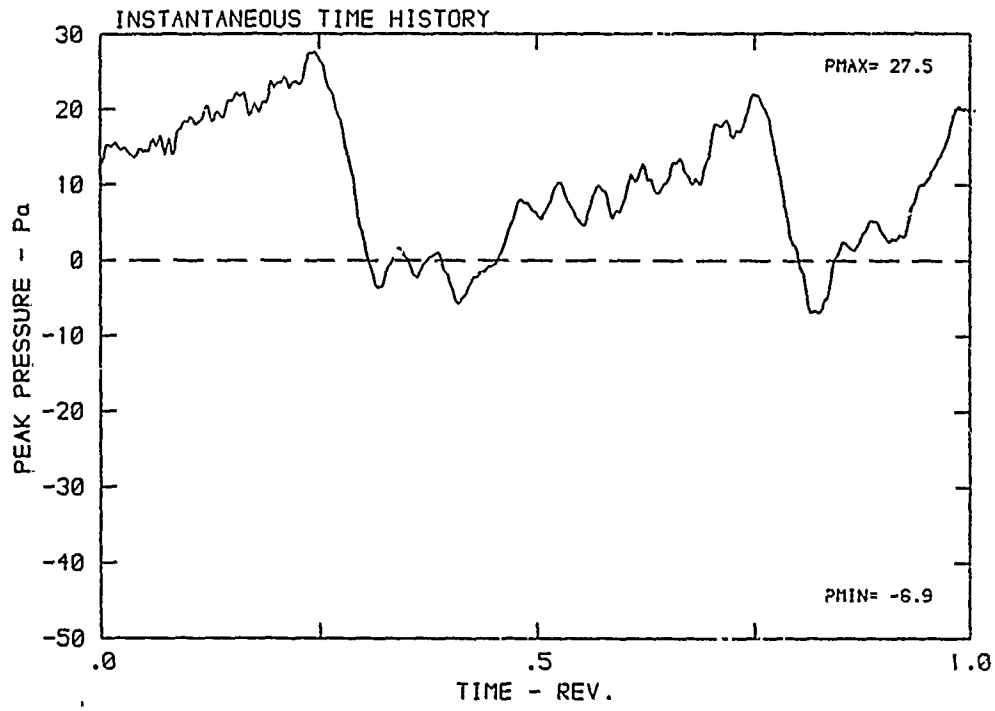
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

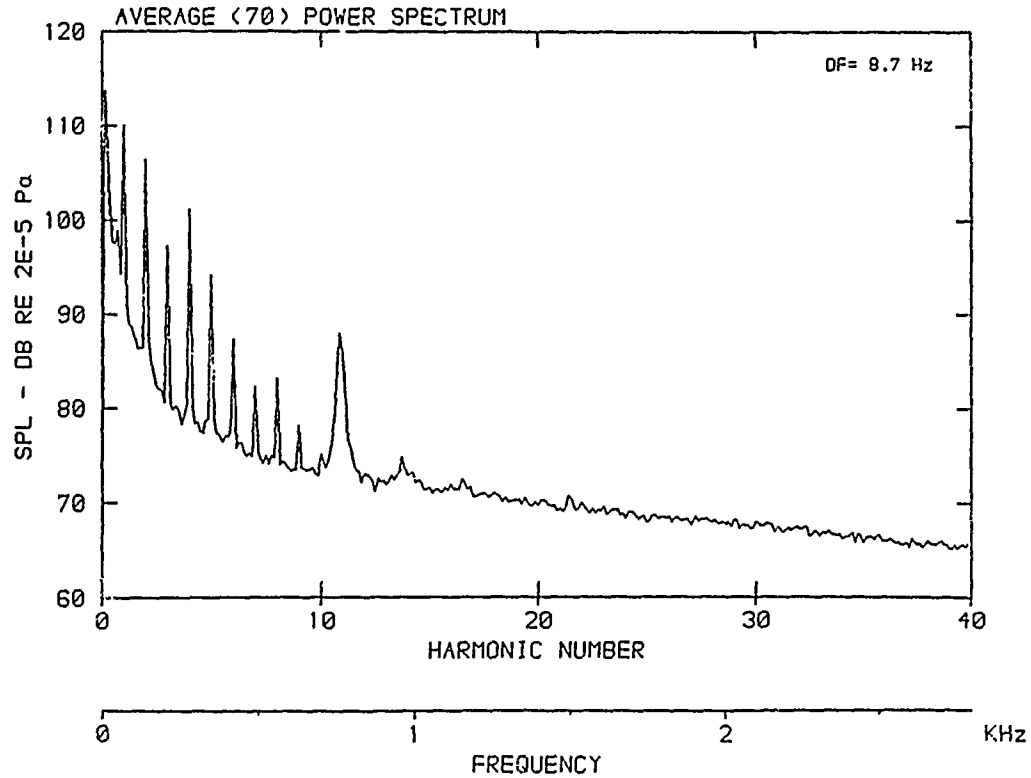




DATA POINT: CN-2 RUN: 103 MP: 9

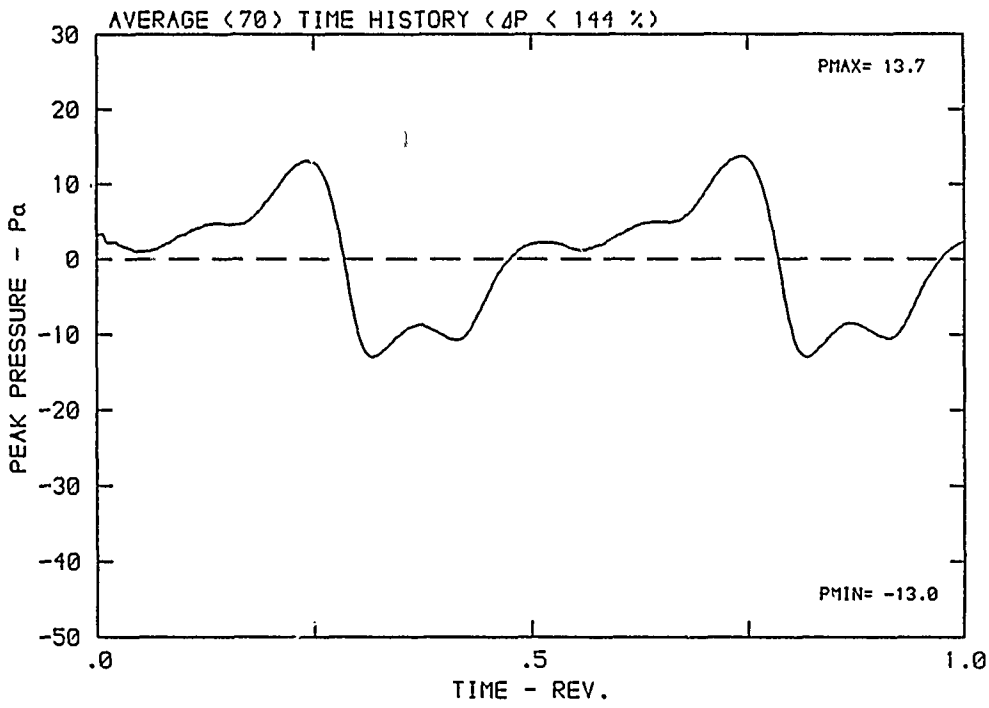
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

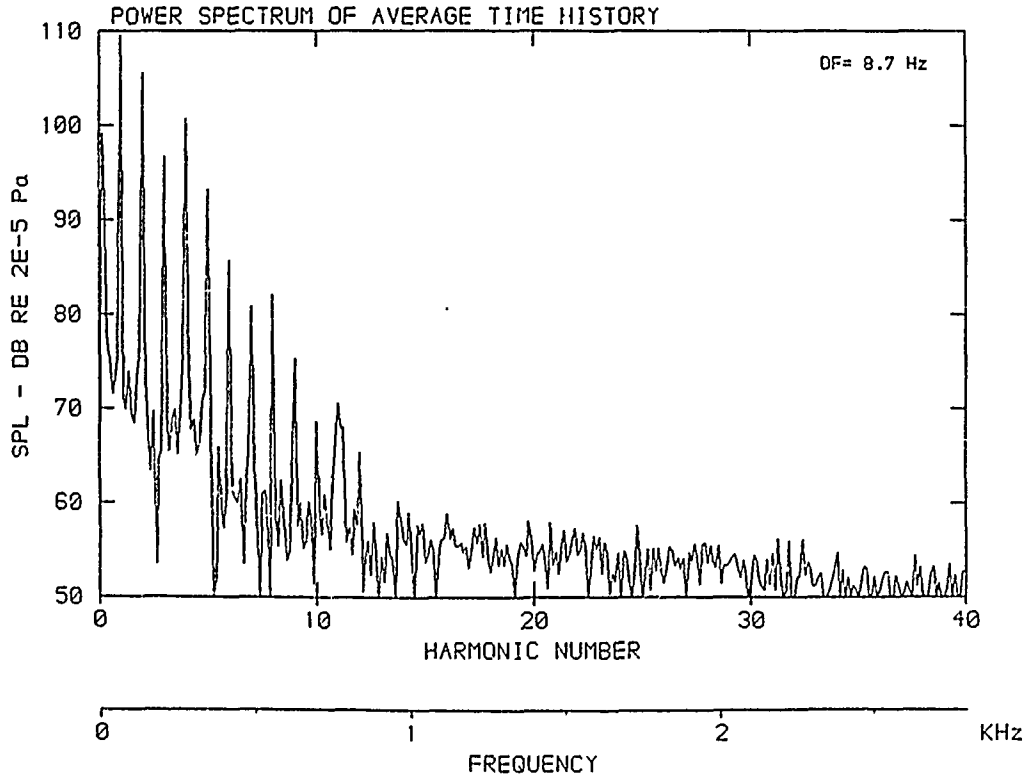




DATA POINT: CN-2 RUN: 103 MP: 9

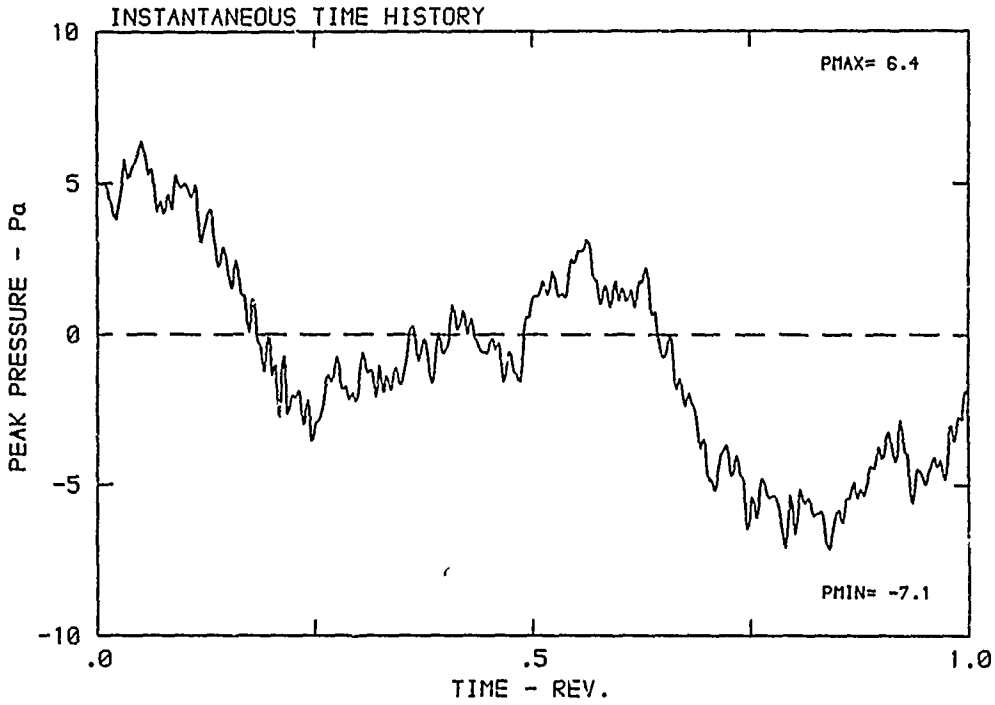
β: 23.7° MH: .6705 n: 2100 rpm v/u: .202 ϕ: .0° T: 287.5 K

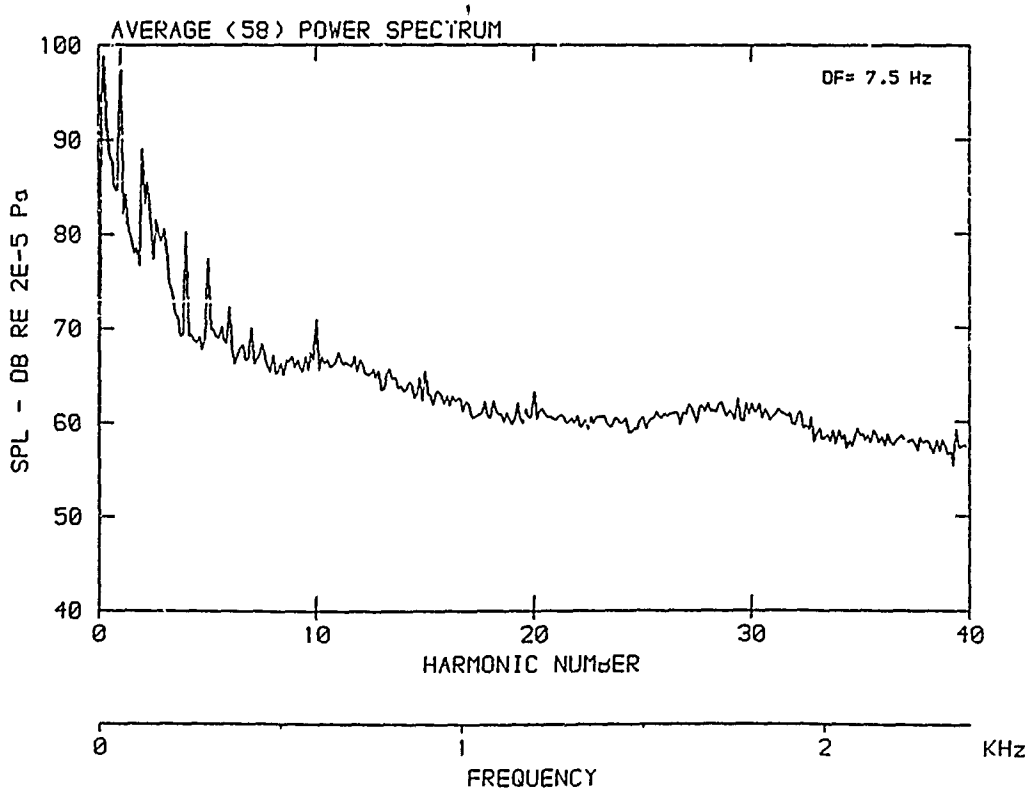




DATA POINT: CN-3 RUN: 101 MP: 1

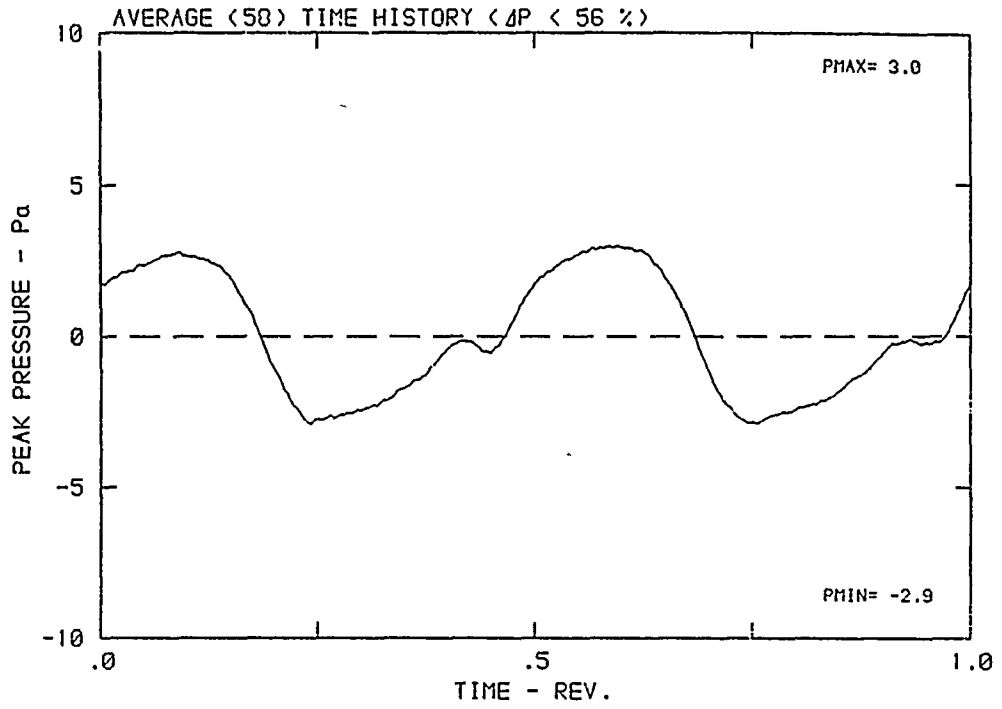
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 φ: .0° T: 287.1 K

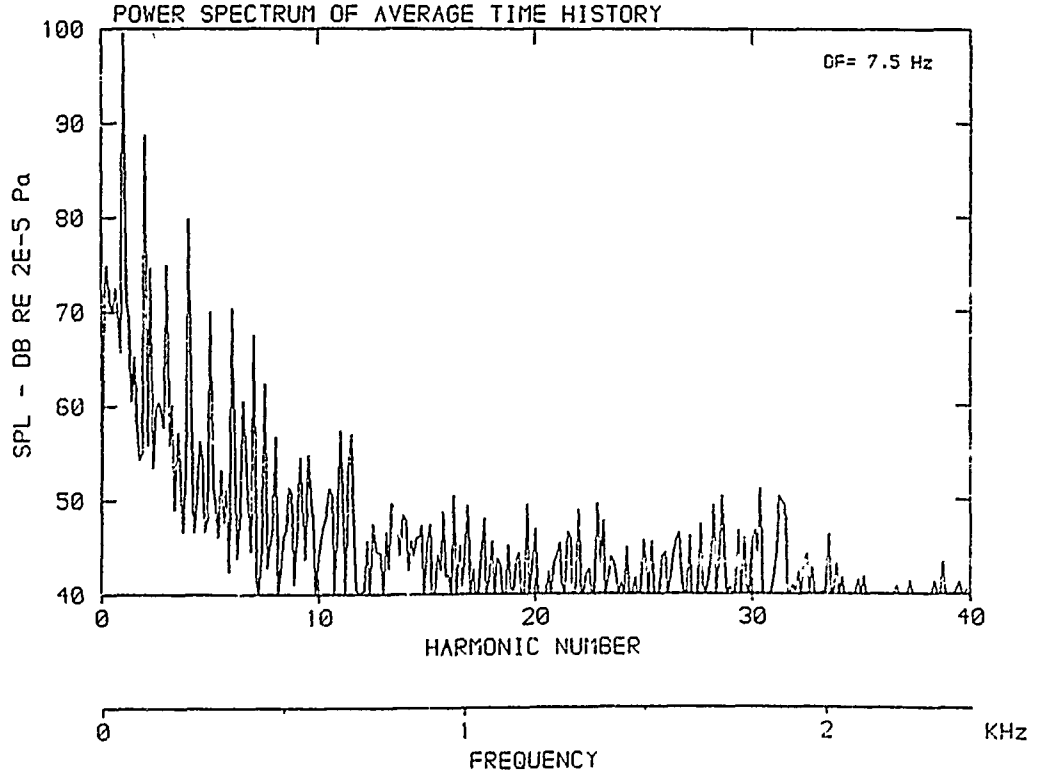




DATA POINT: CN-3 RUN: 101 MP: 1

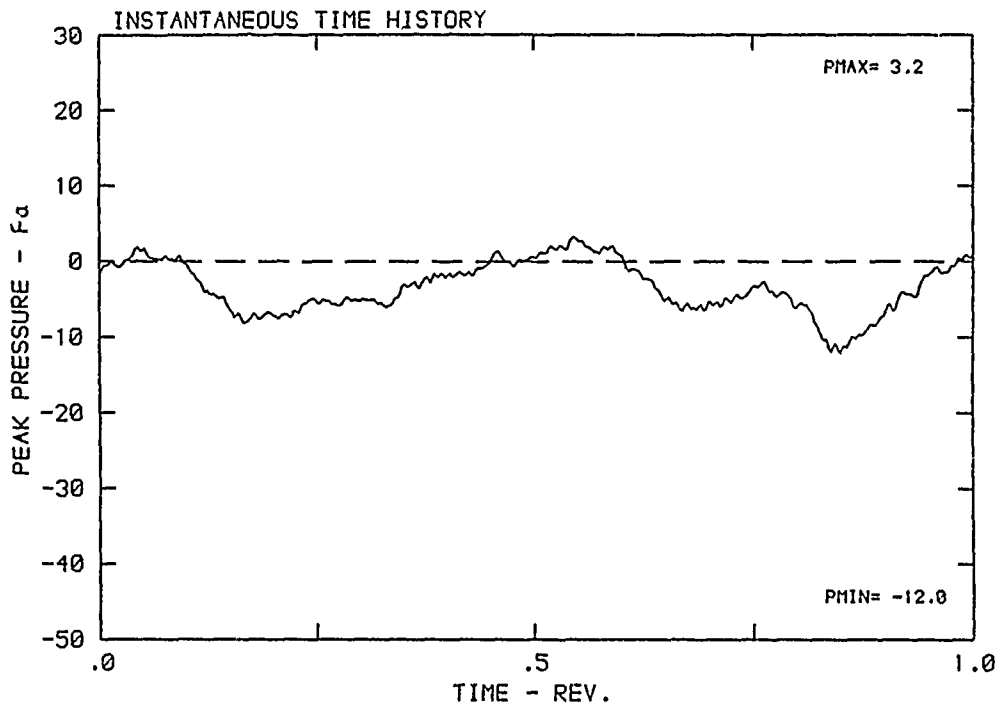
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

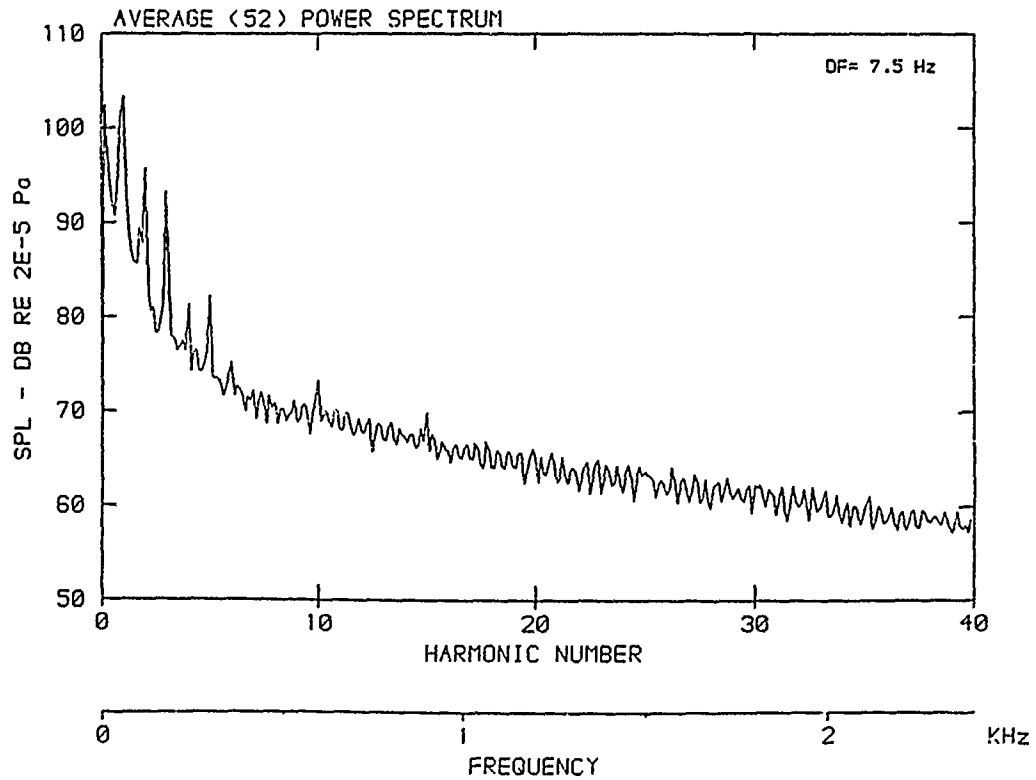




DATA POINT: CN-3 RUN: 101 MP: 2

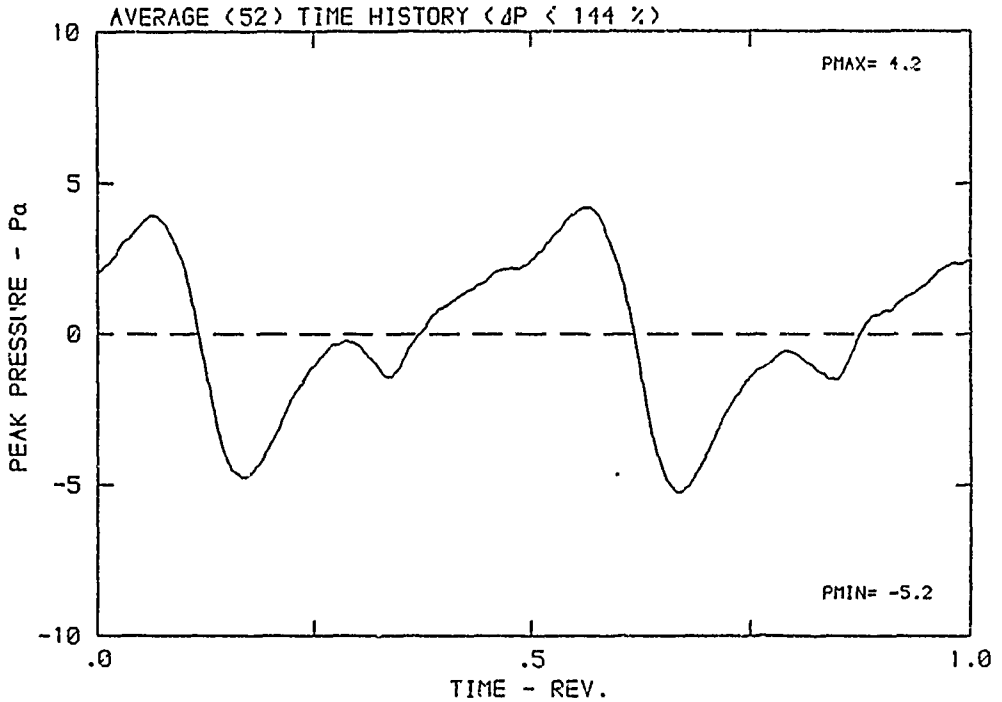
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

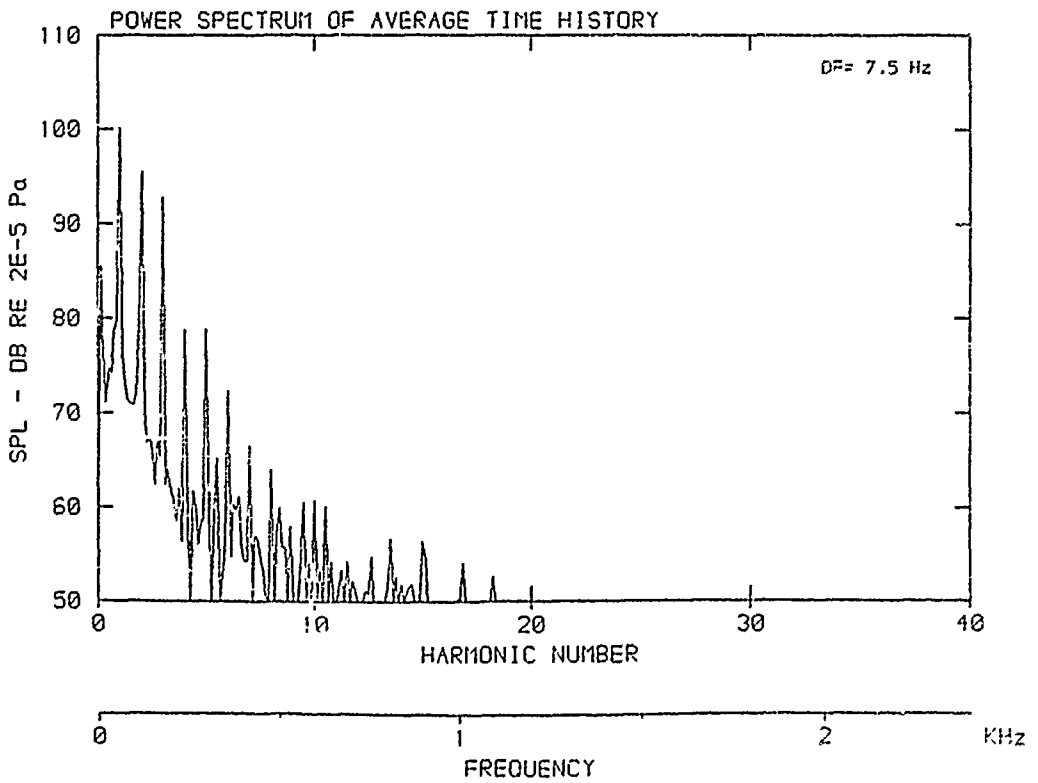




DATA POINT: CN-3 RUN: 101 MP: 2

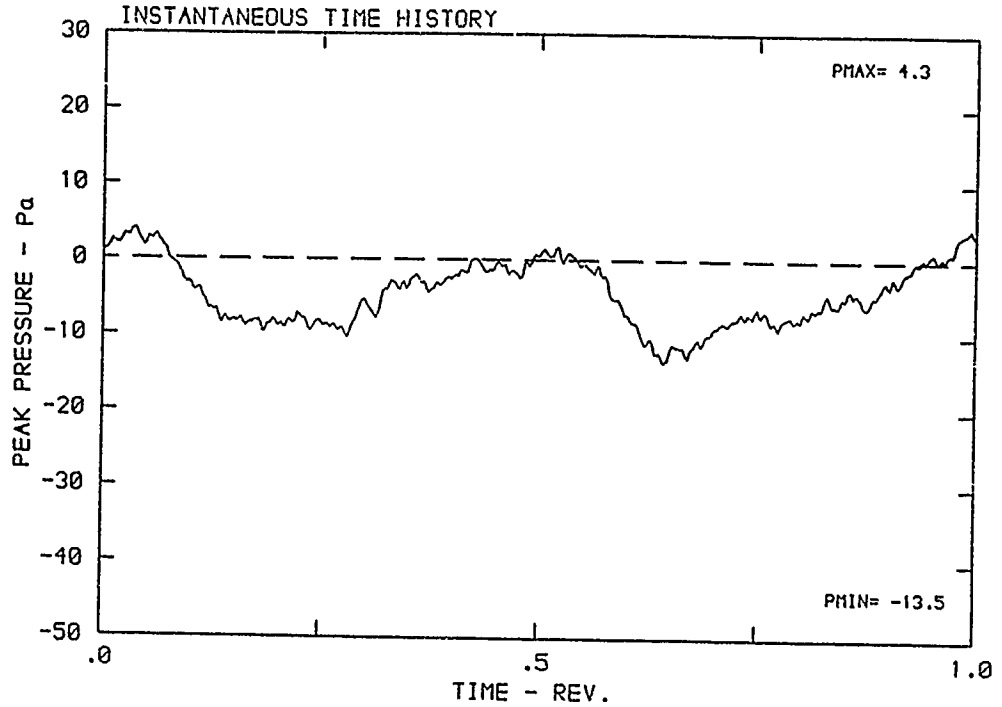
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

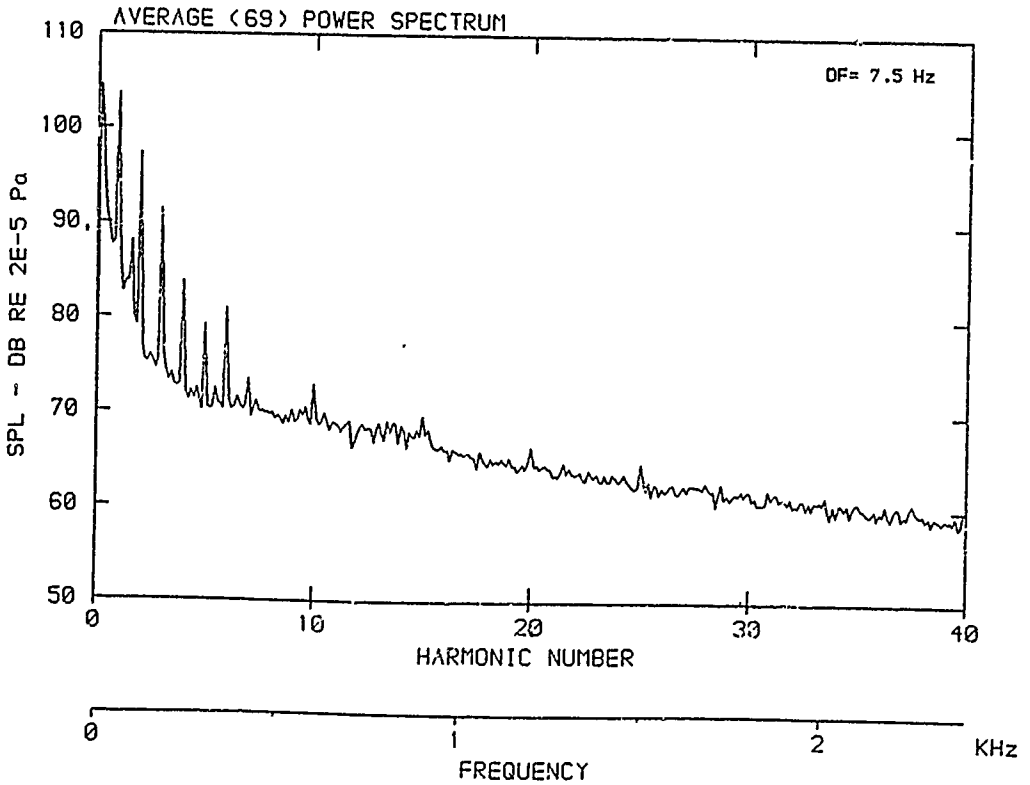




DATA POINT: CN-3 RUN: 101 MP: 3

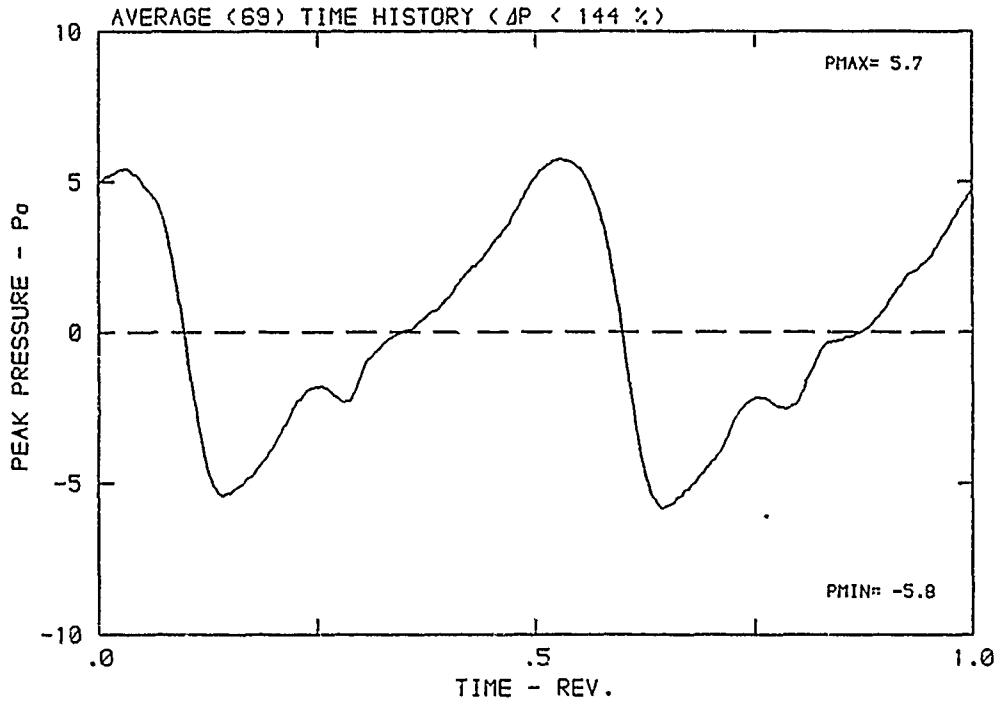
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

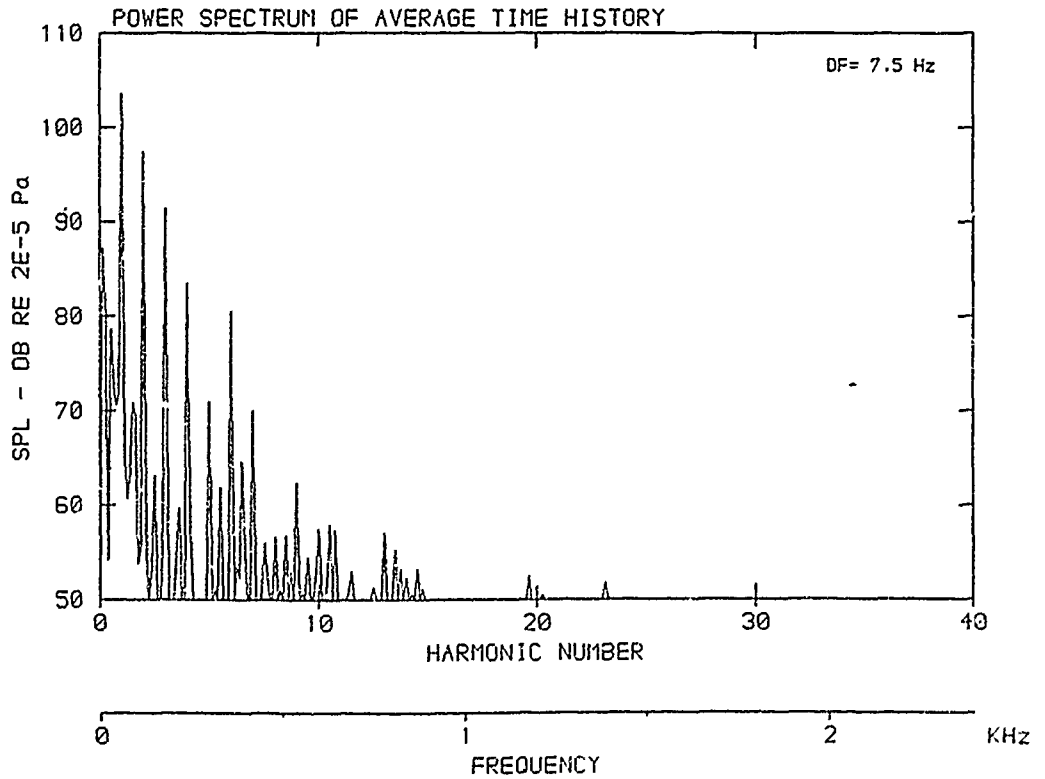




DATA POINT: CN-3 RUN: 101 MP: 3

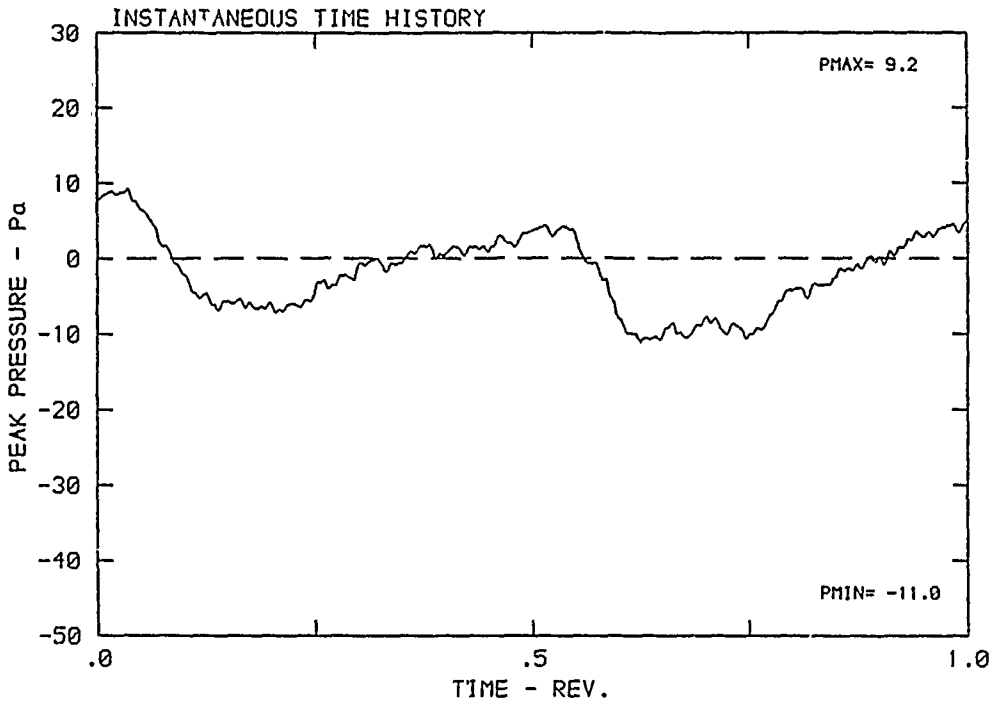
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

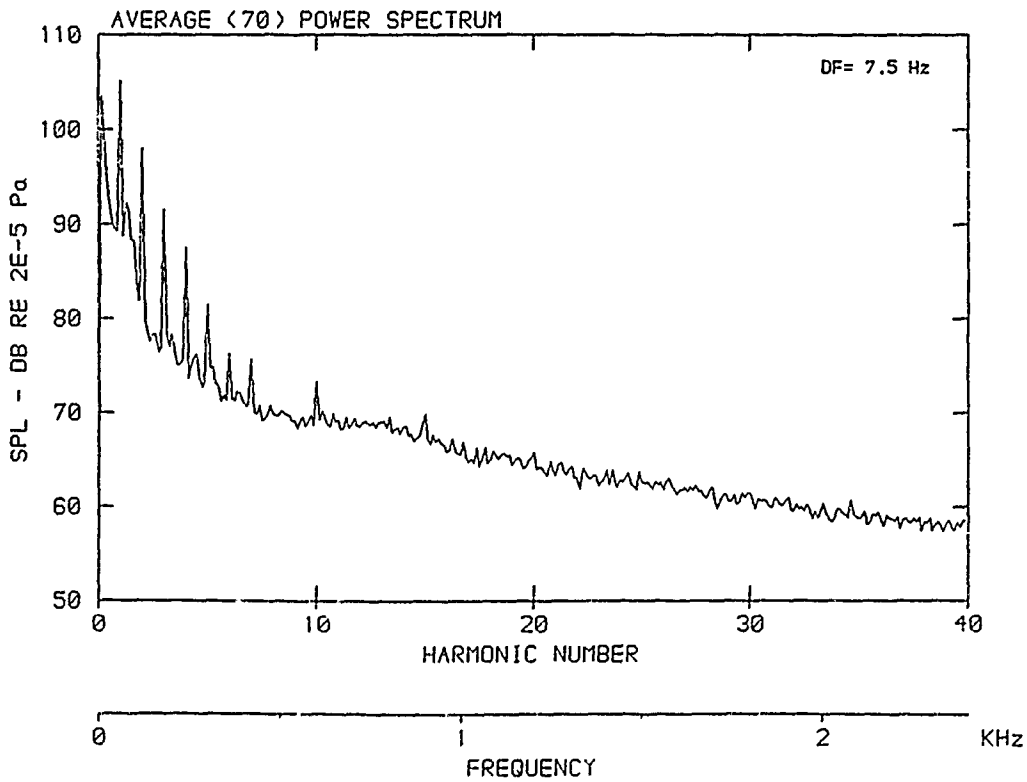




DATA POINT: CN-3 RUN: 101 MP: 4

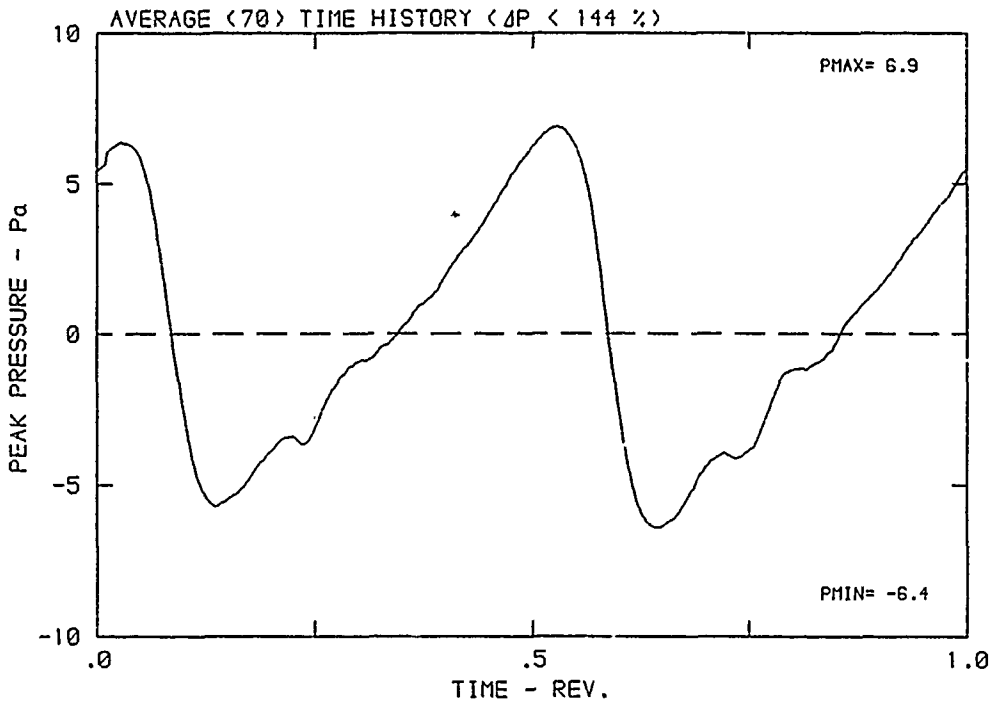
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

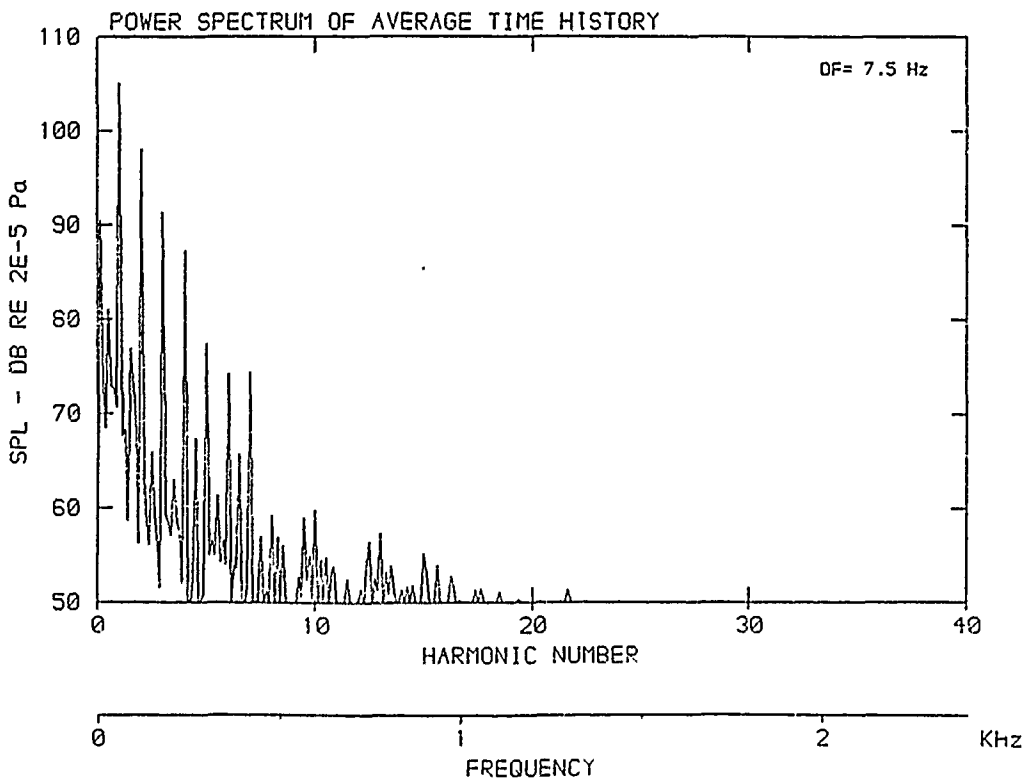




DATA POINT: CN-3 RUN: 101 MP: 4

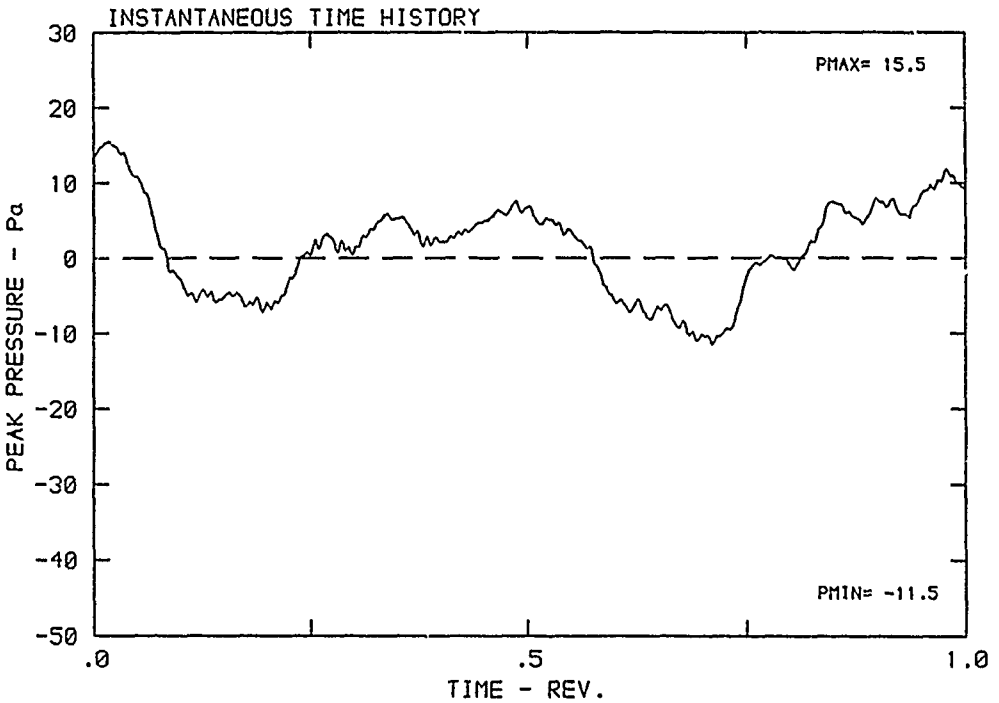
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

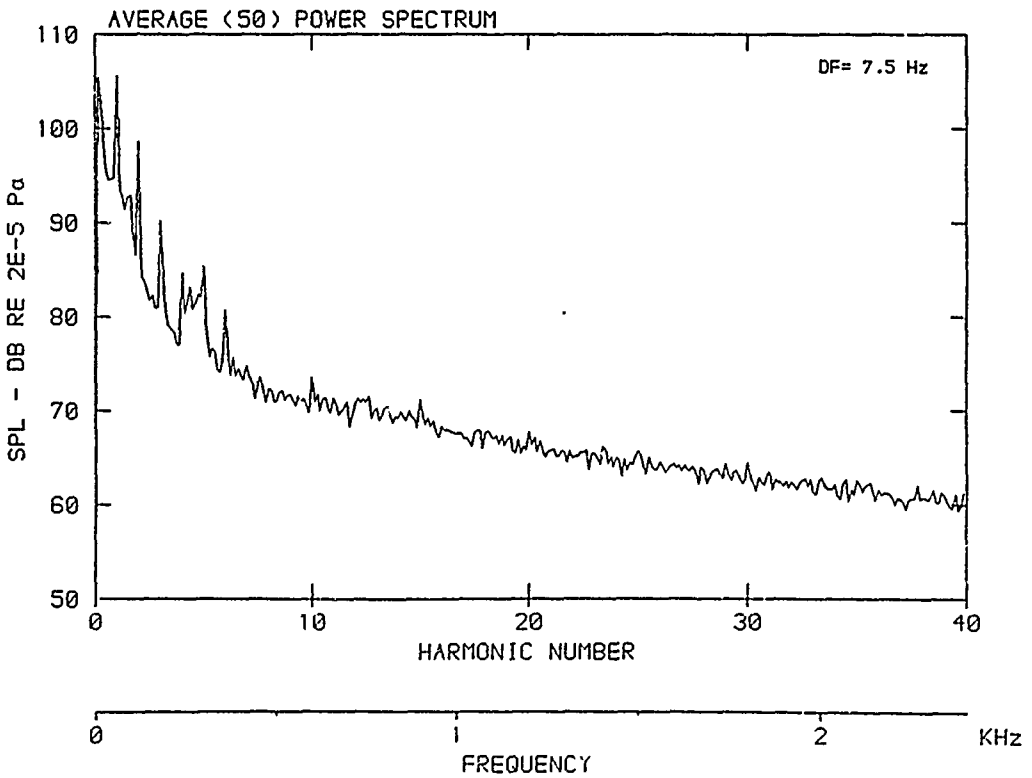




DATA POINT: CN-3 RUN: 101 MP: 5

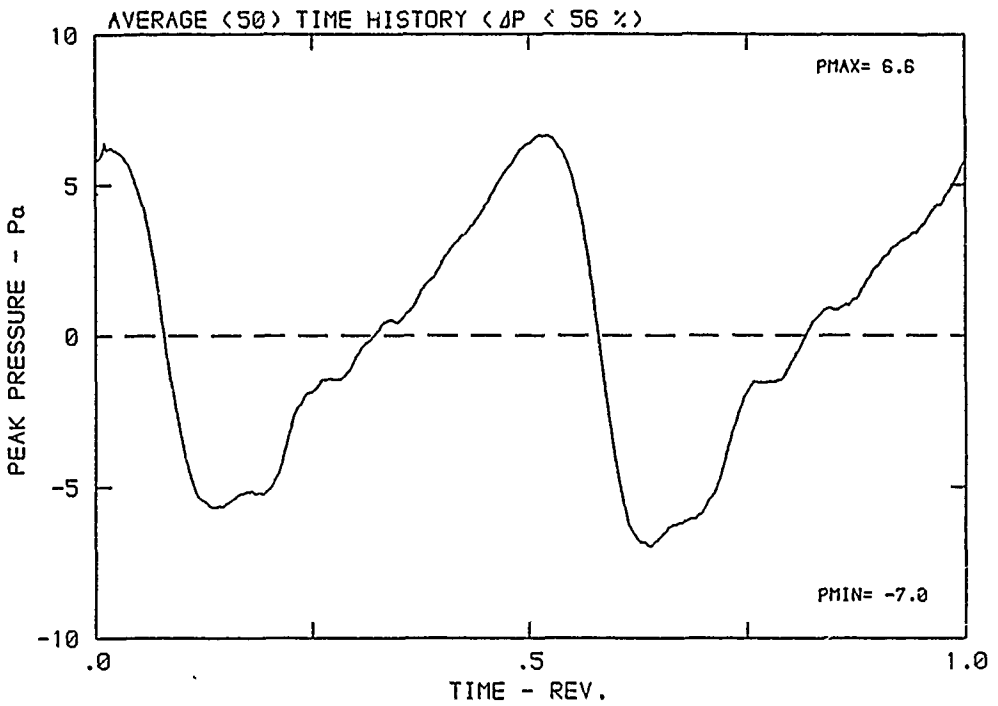
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

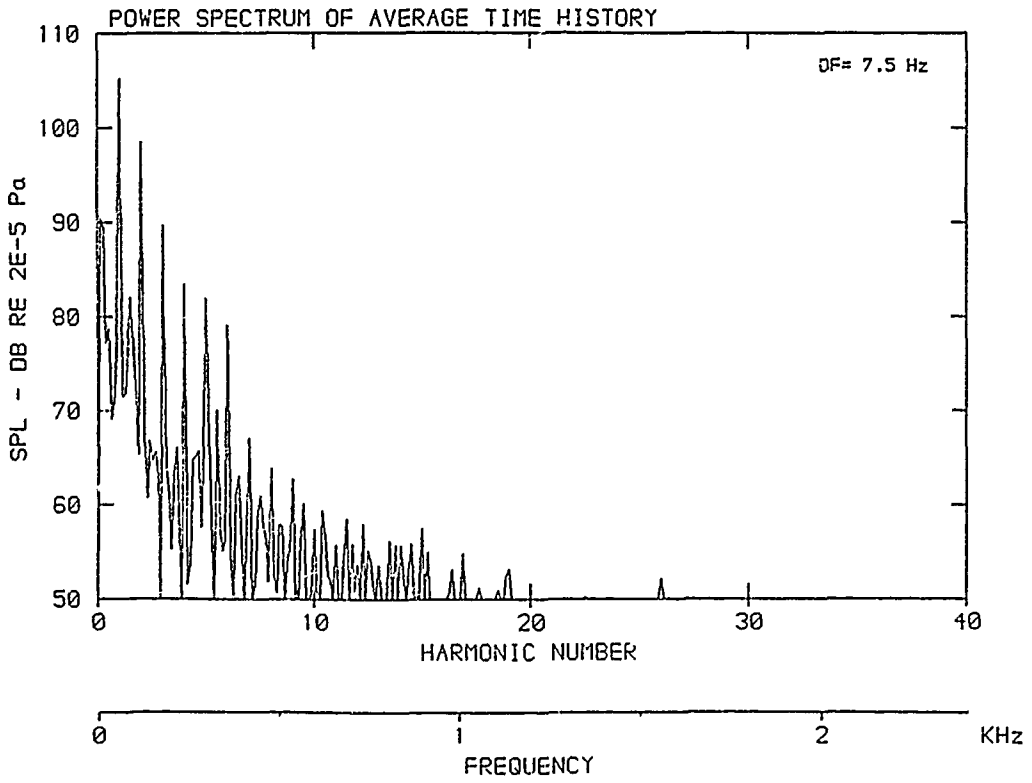




DATA POINT: CN-3 RUN: 101 MP: 5

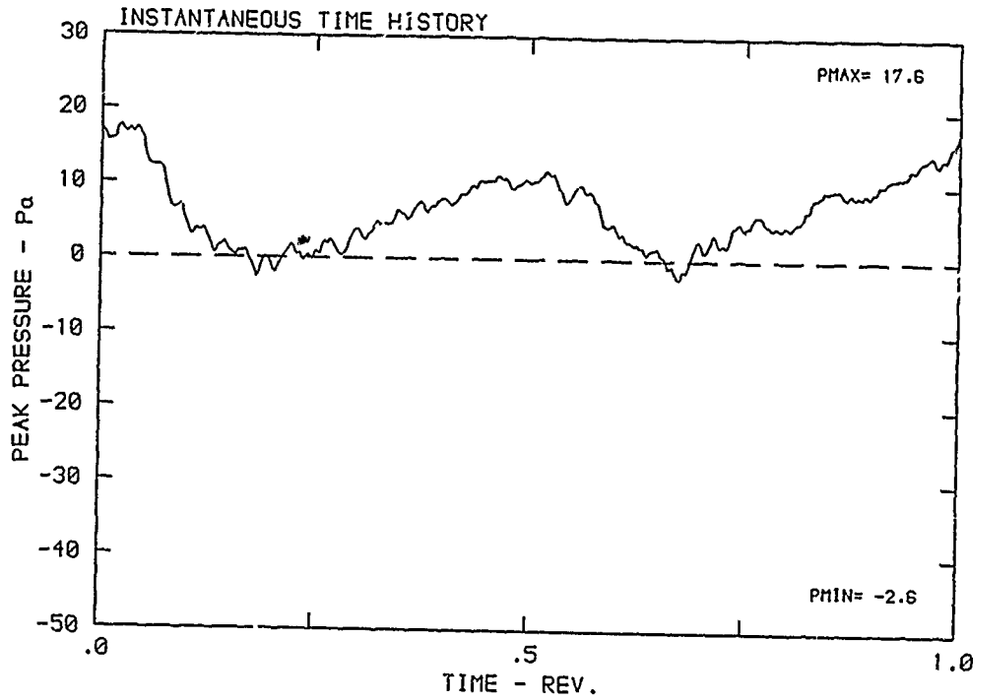
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

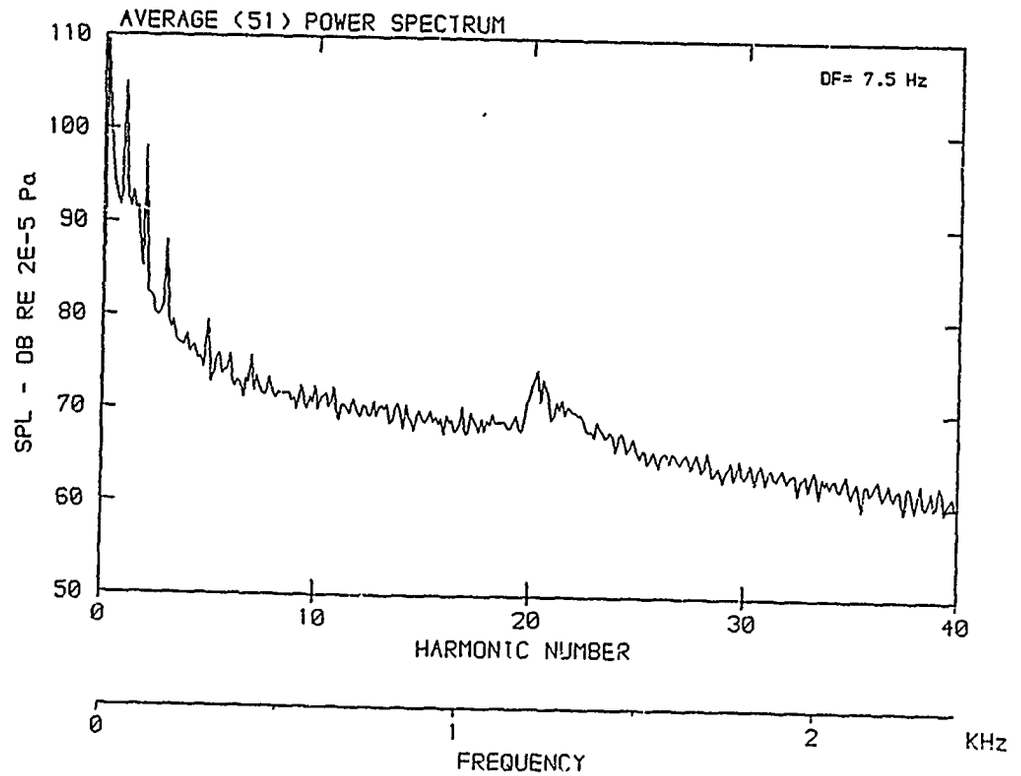




DATA POINT: CN-3 RUN: 101 MP: 6

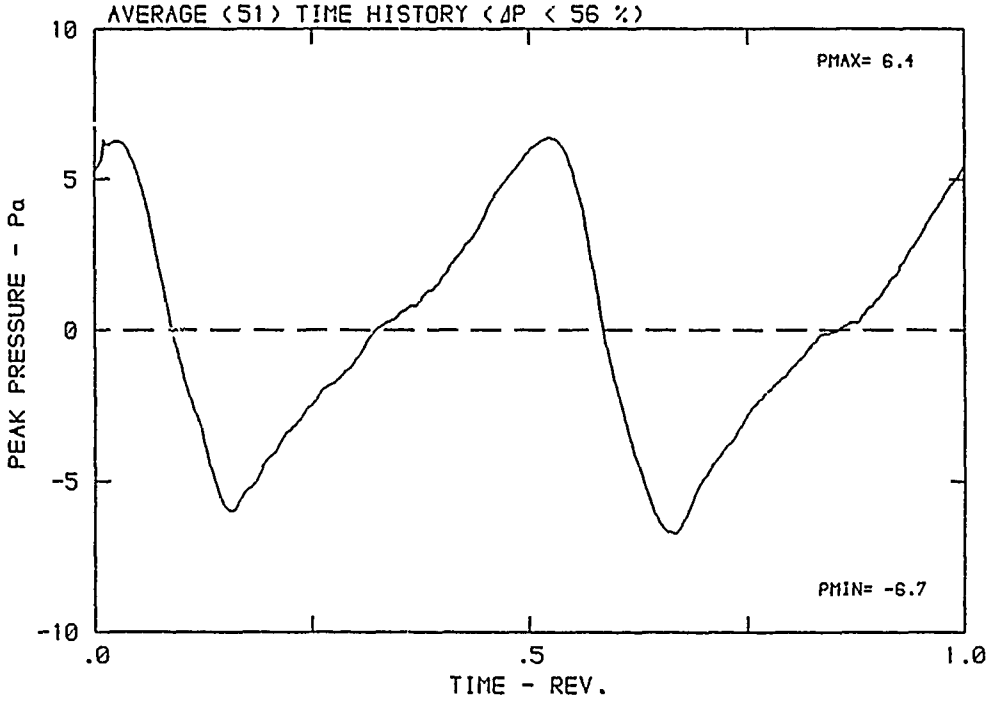
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

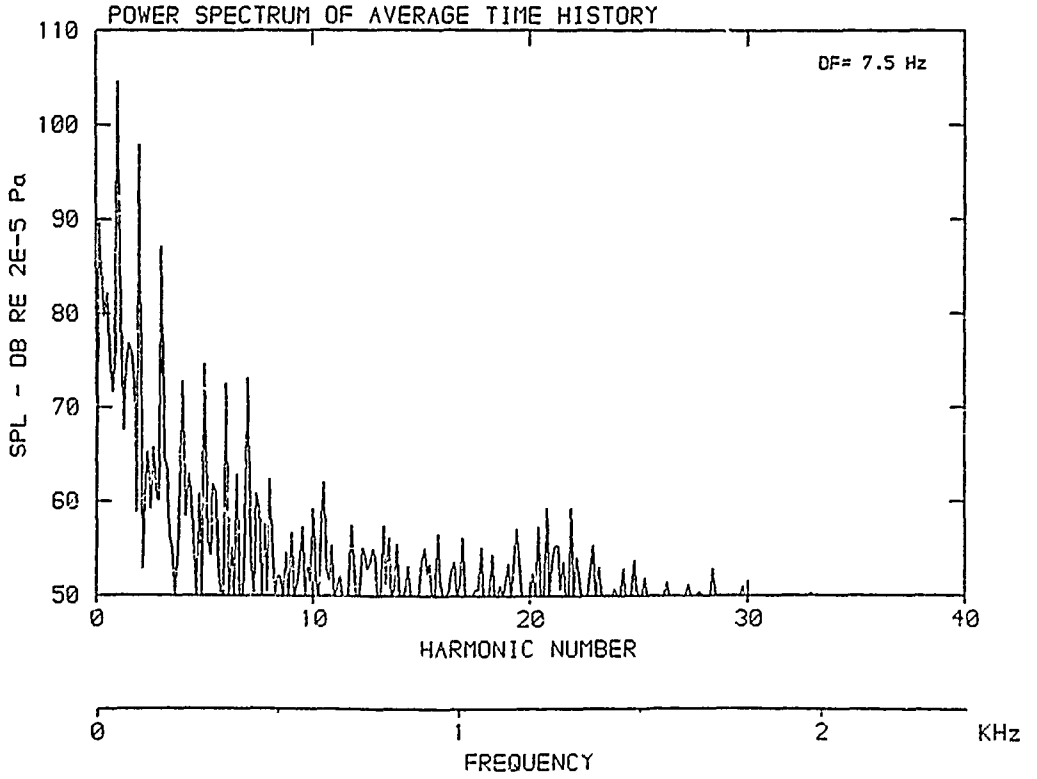




DATA POINT: CN-3 RUN: 101 MP: 6

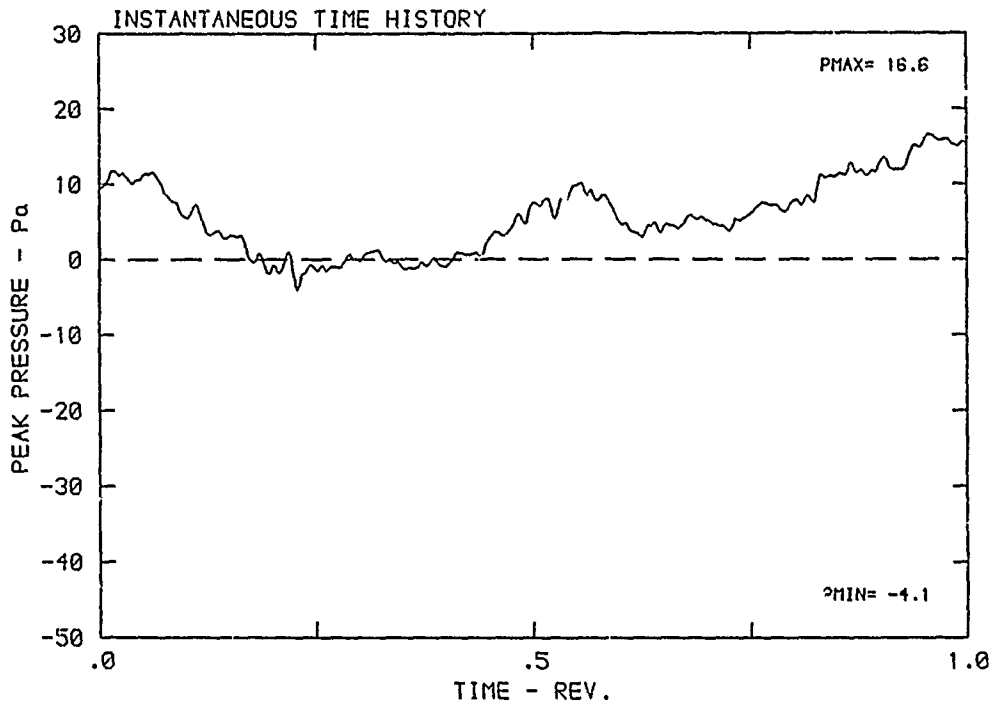
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

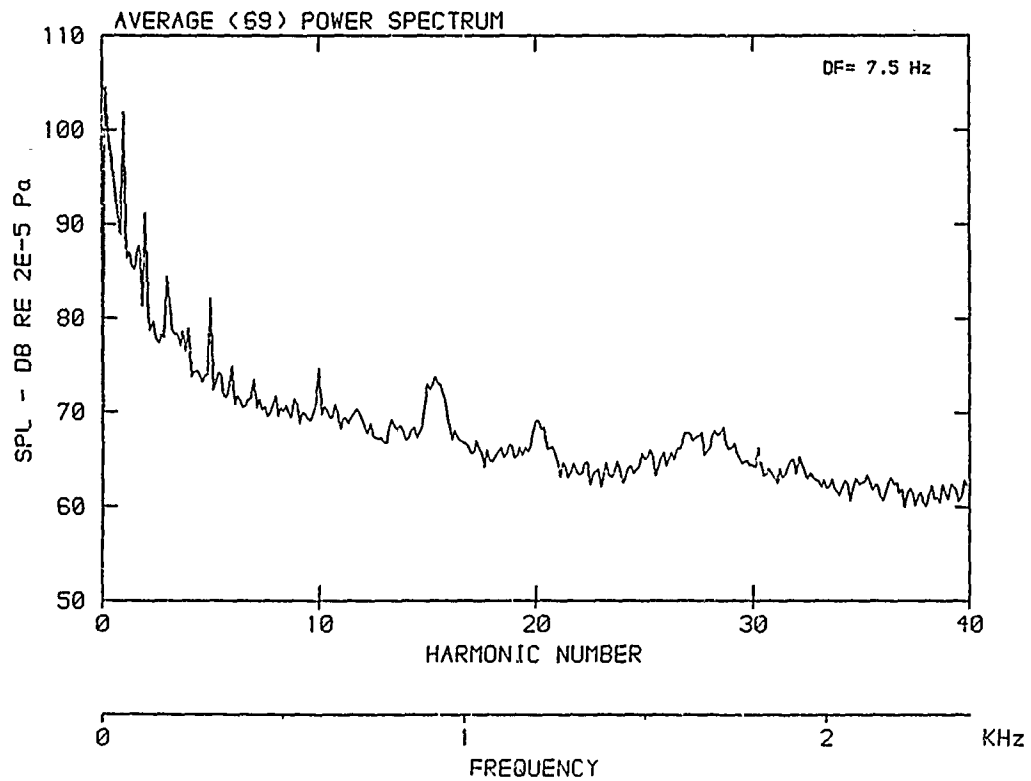




DATA POINT: CN-3 RUN: 101 MP: 7

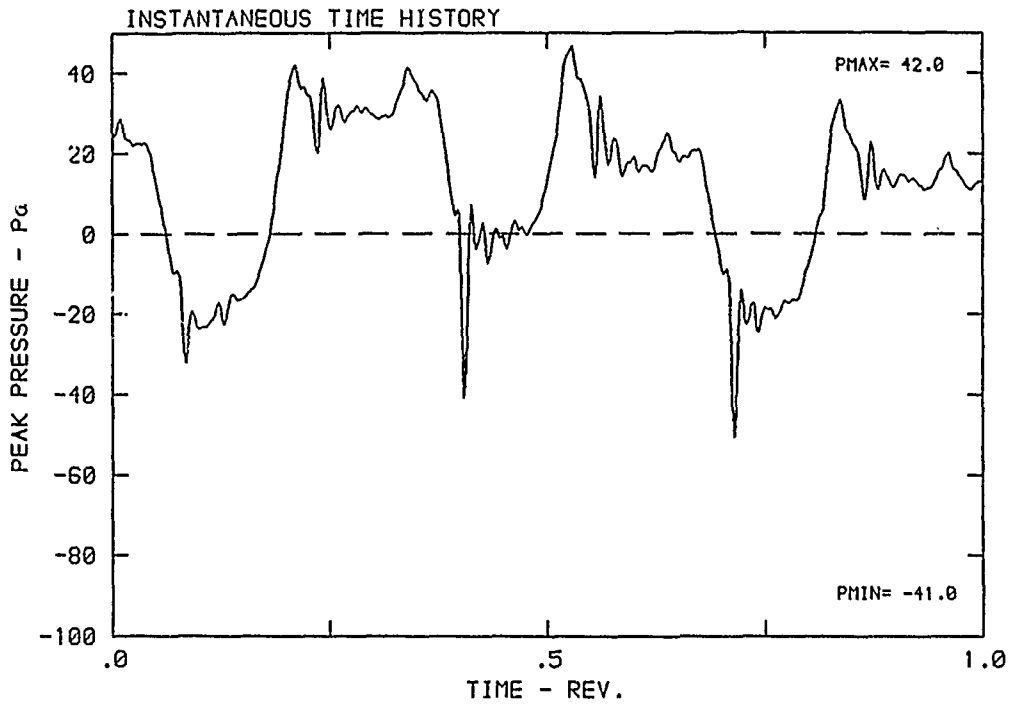
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

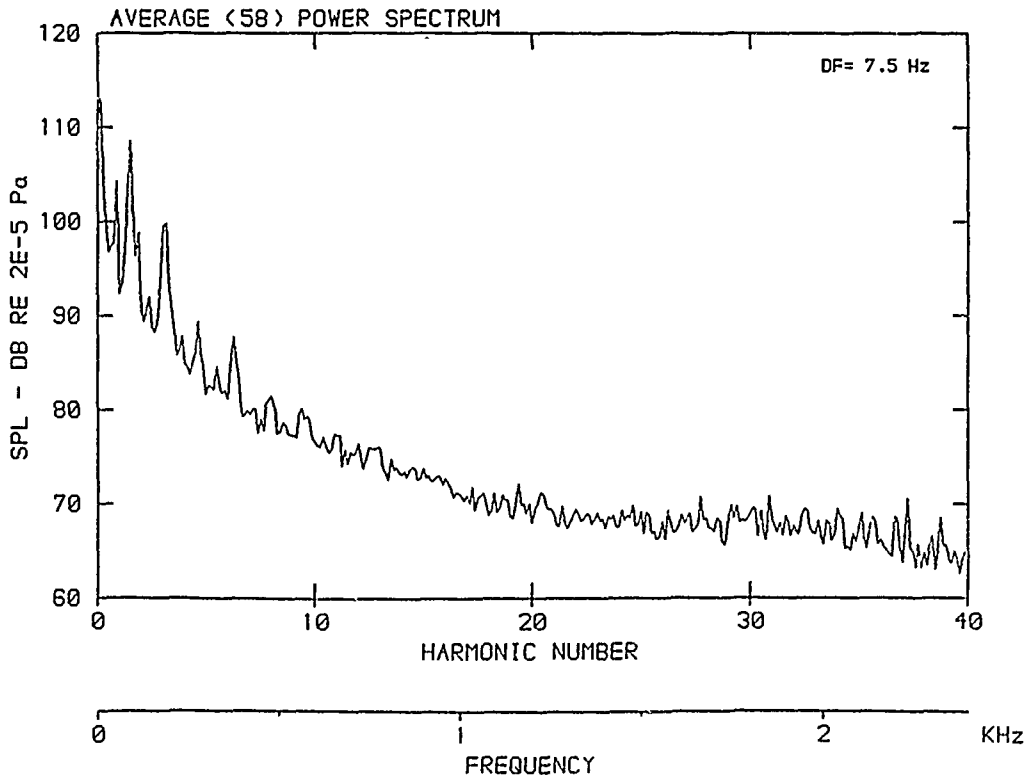




DATA POINT: CN-3 RUN: 101 MP: 8

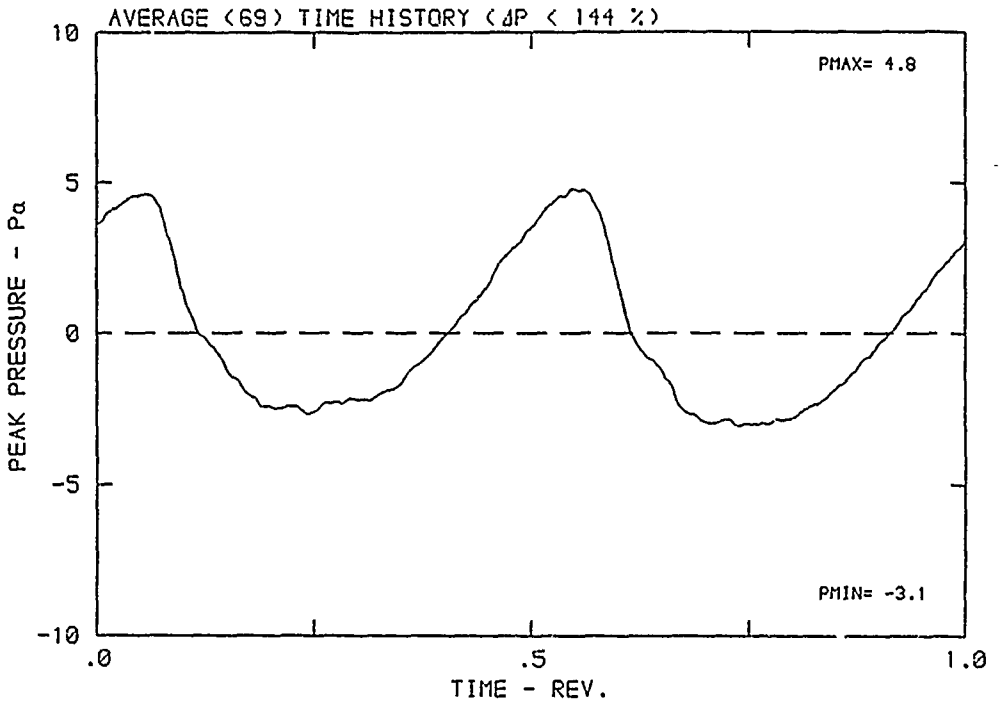
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

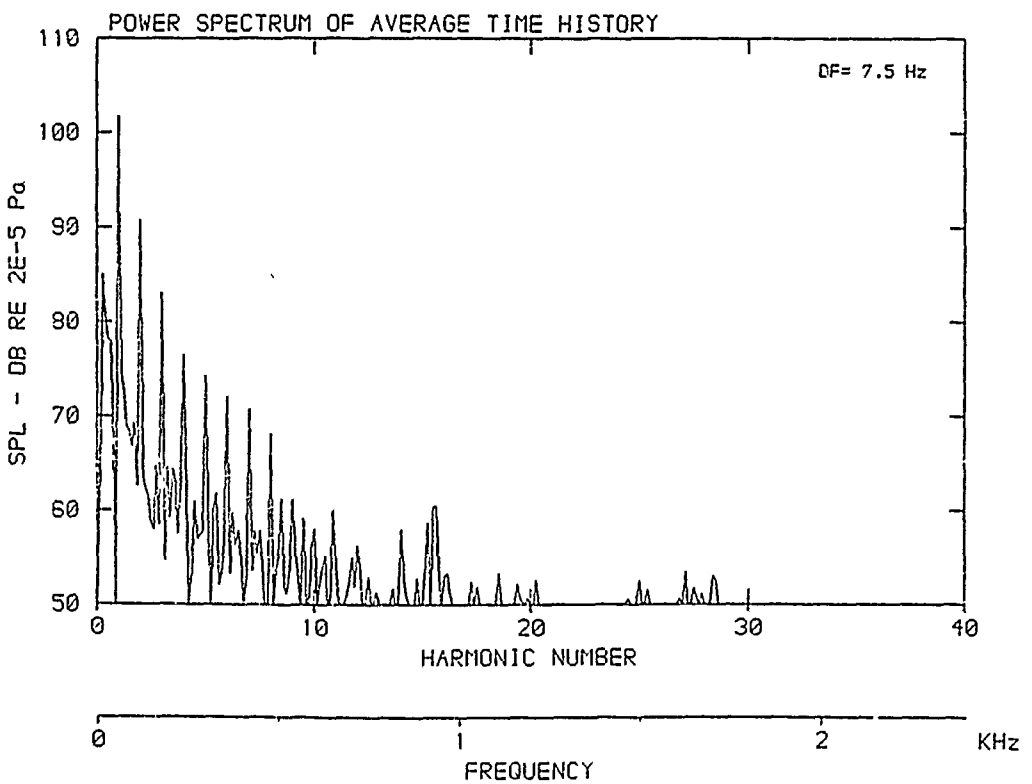




DATA POINT: CN-3 RUN: 101 MP: 7

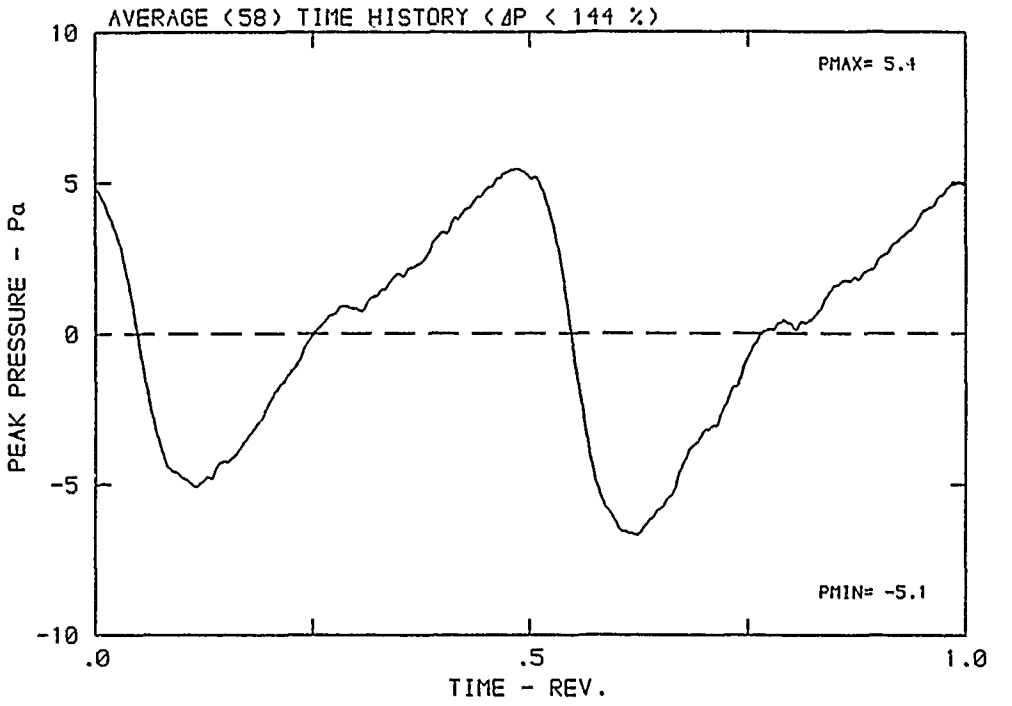
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

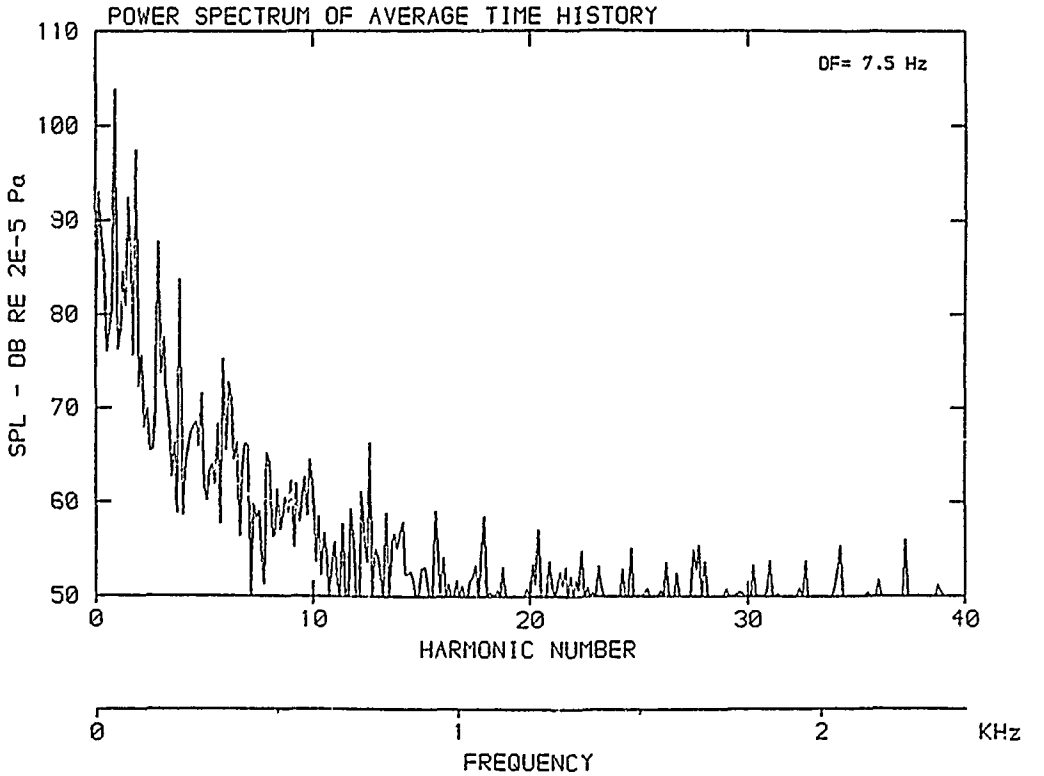




DATA POINT: CN-3 RUN: 101 MP: 8

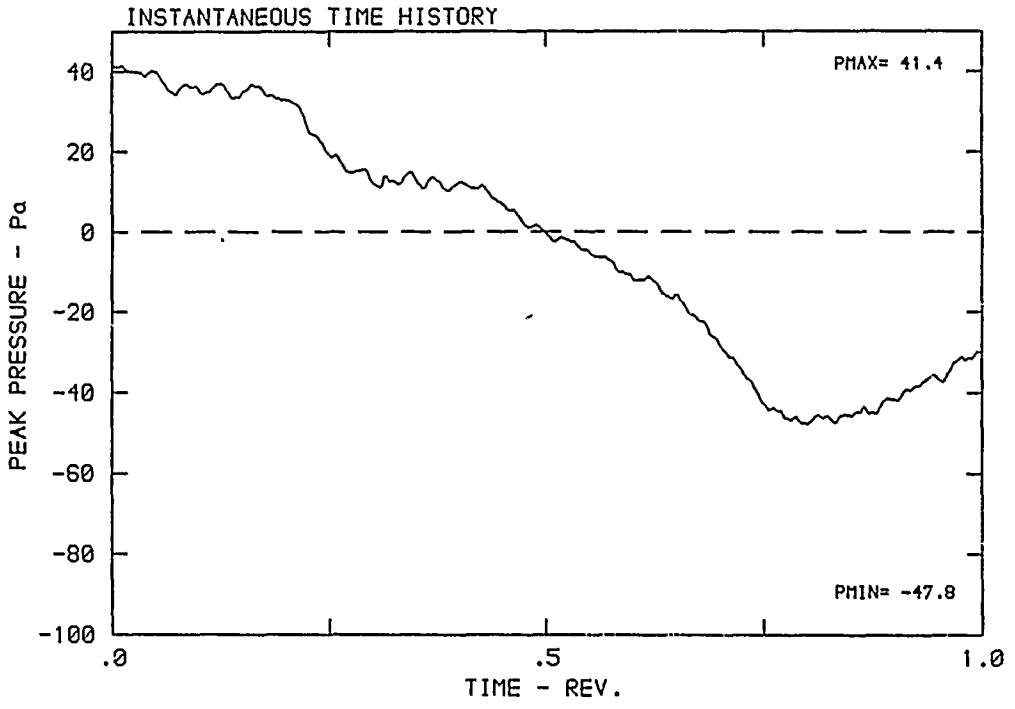
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

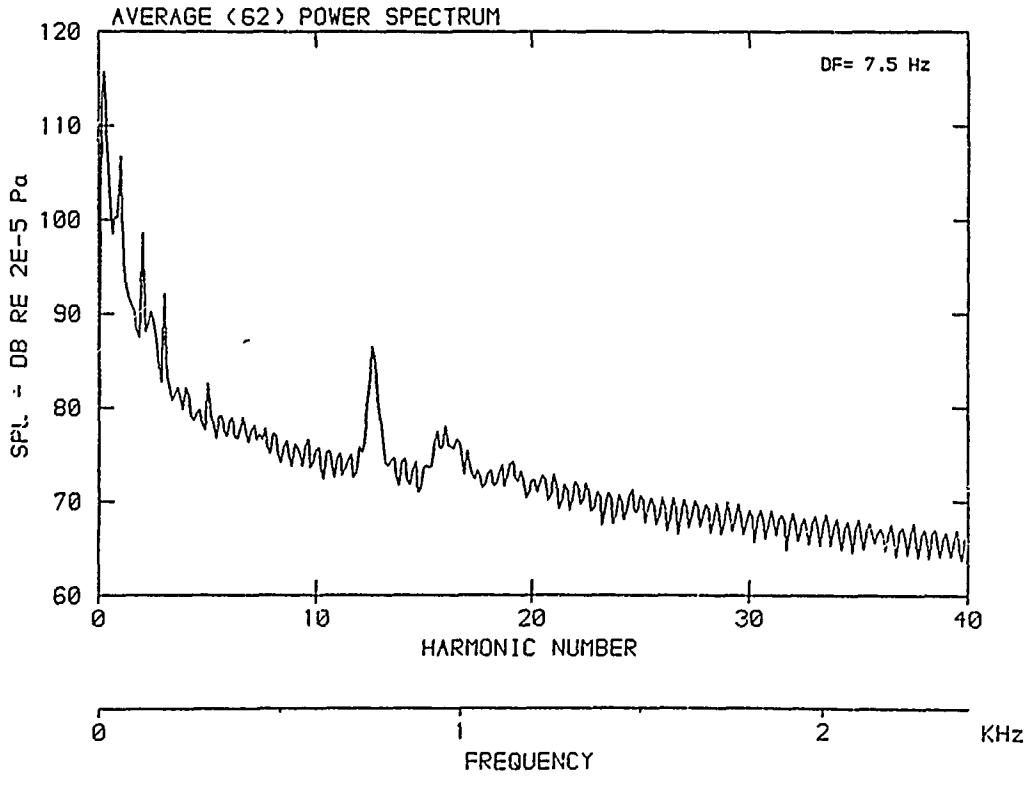




DATA POINT: CN-3 RUN: 101 MP: 9

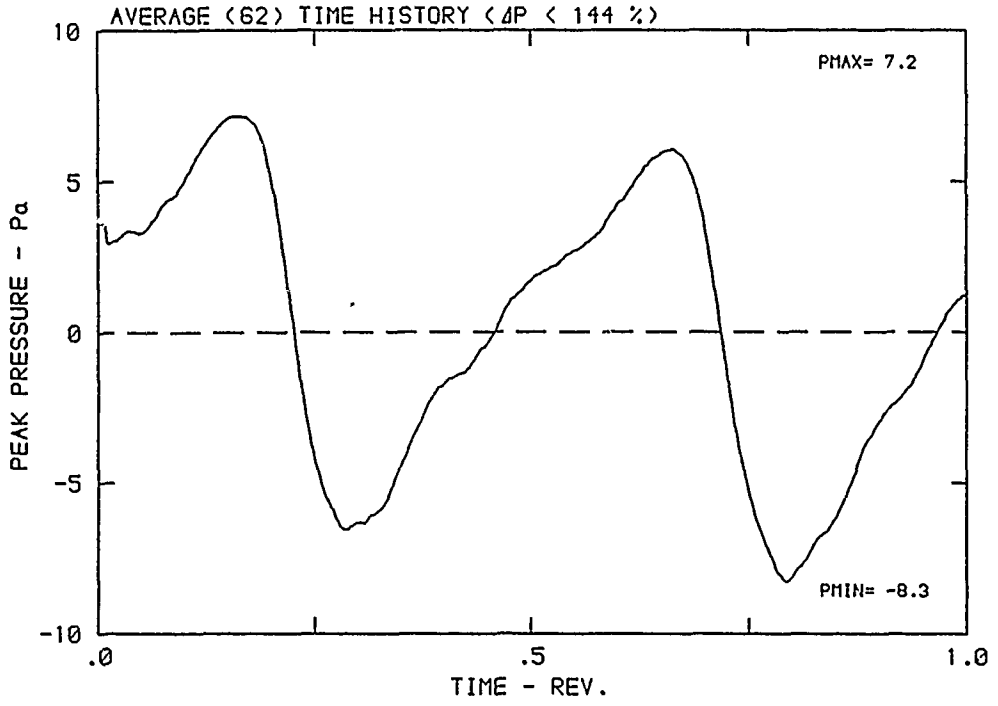
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

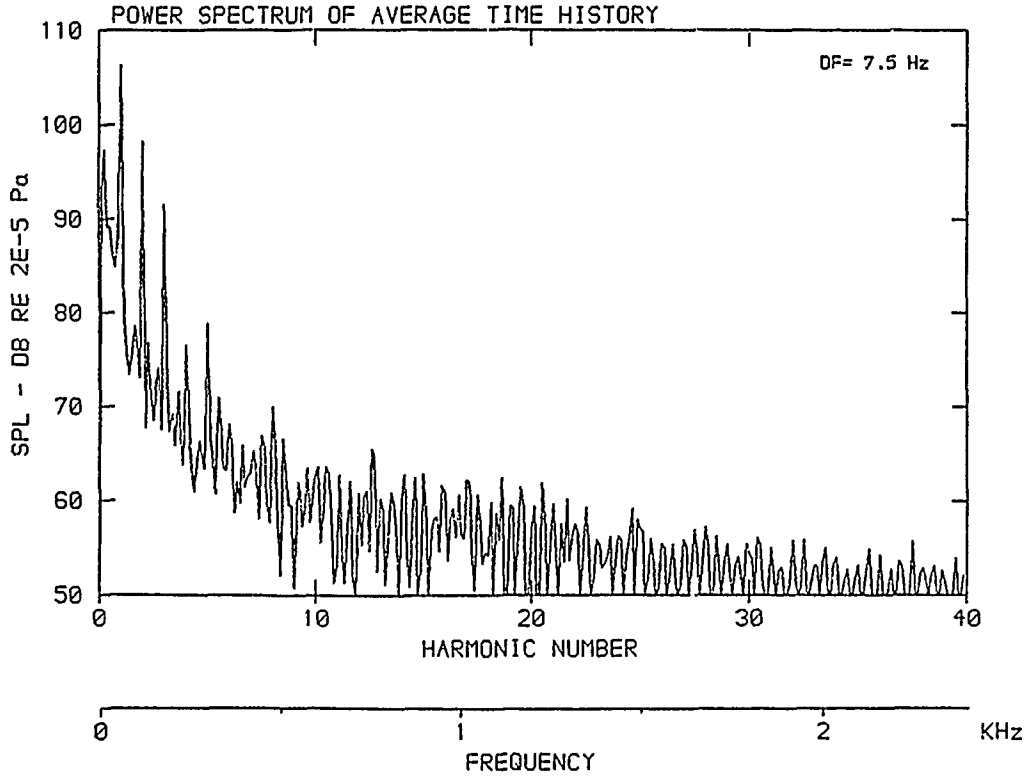




DATA POINT: CN-3 RUN: 101 MP: 9

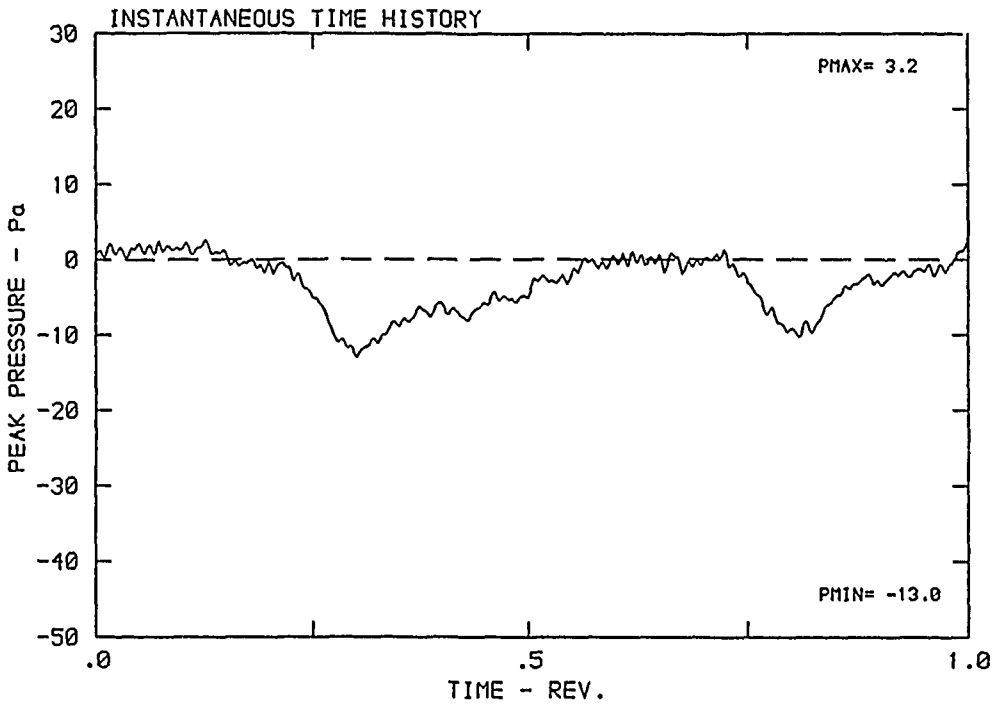
β: 23.7° MH: .5838 n: 1800 rpm v/u: .269 ϕ: .0° T: 287.1 K

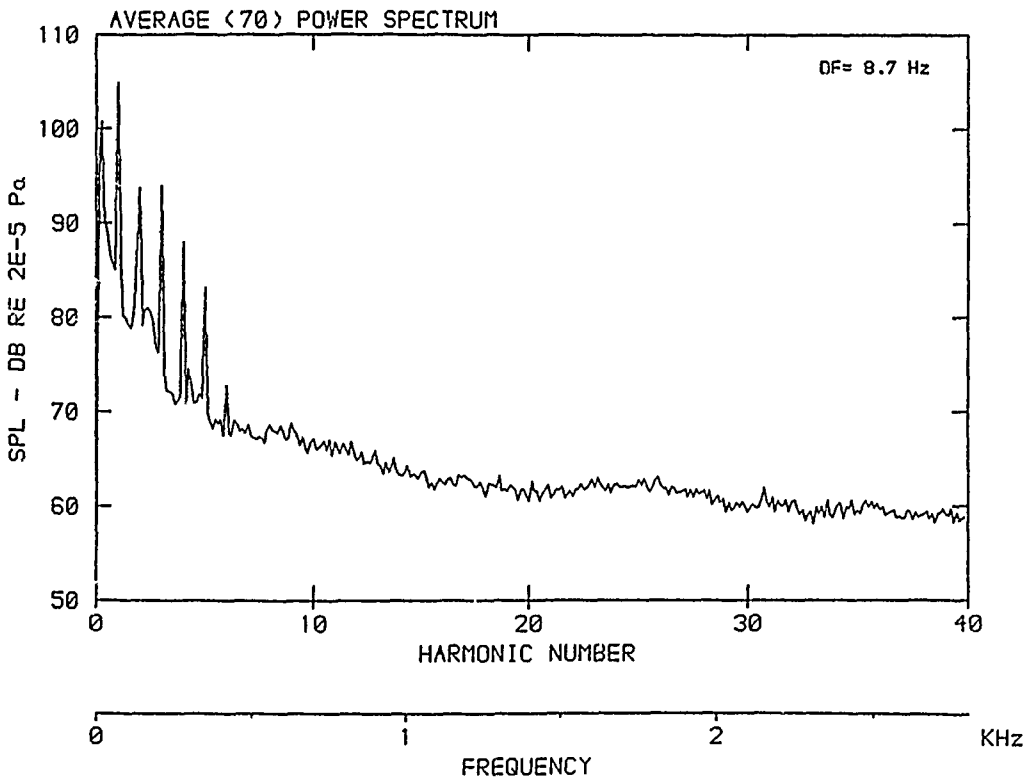




DATA POINT: CN-4 RUN: 100 MP: 1

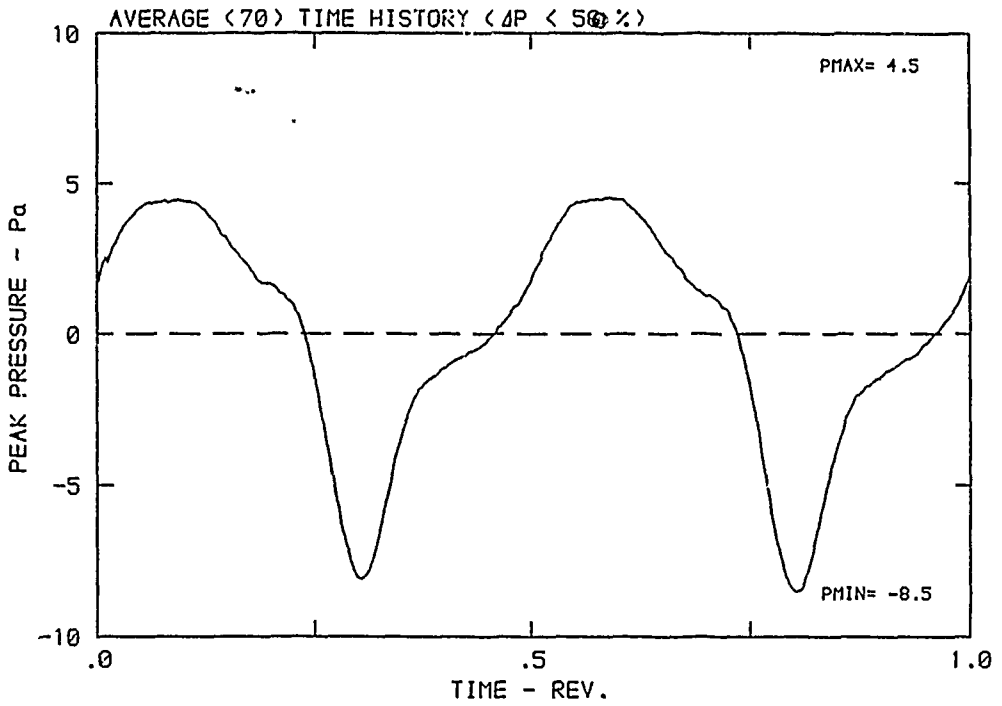
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

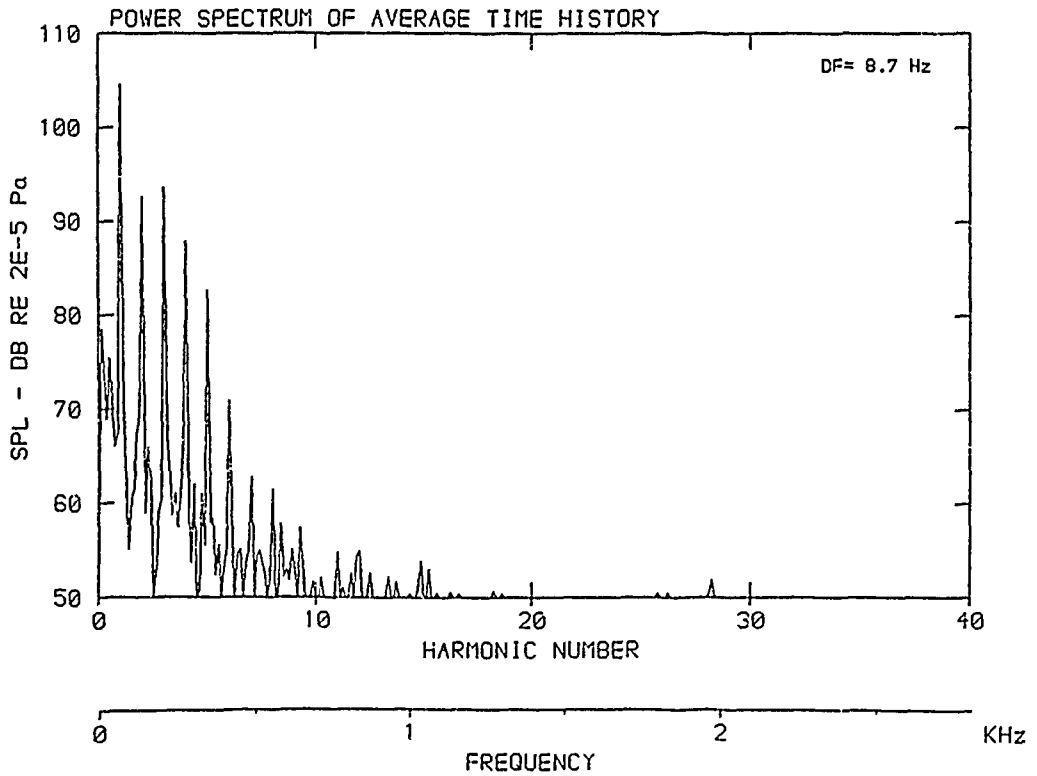




DATA POINT: CN-4	RUN: 100	MP: 1

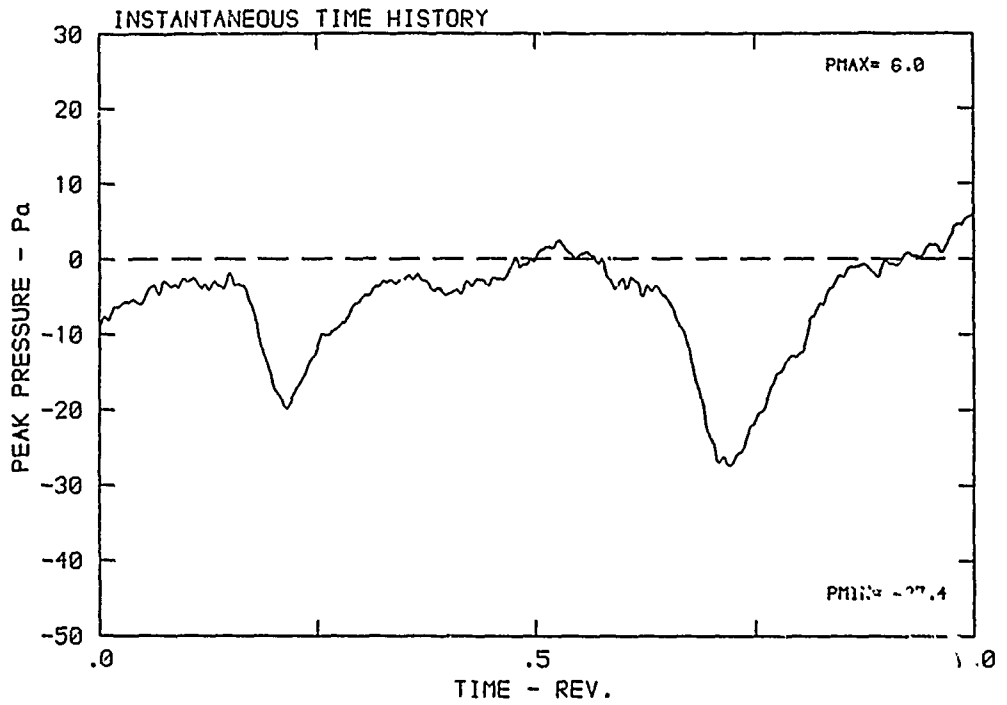
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

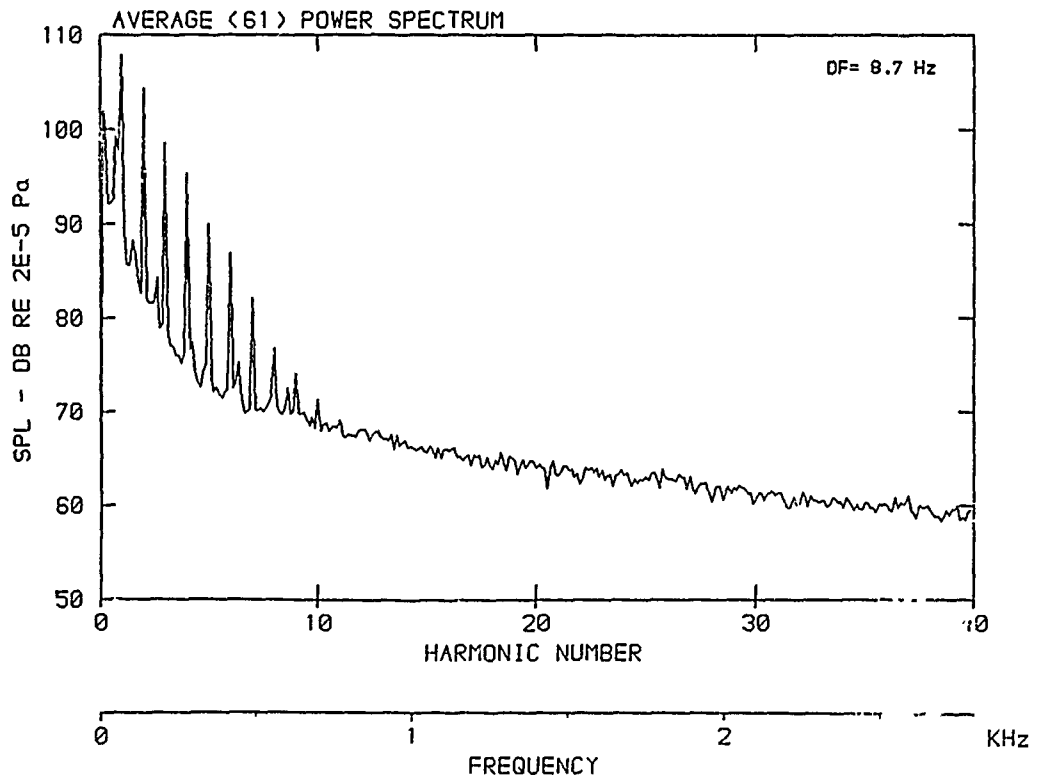




DATA POINT: CN-4 RUN: 100 MP: 2

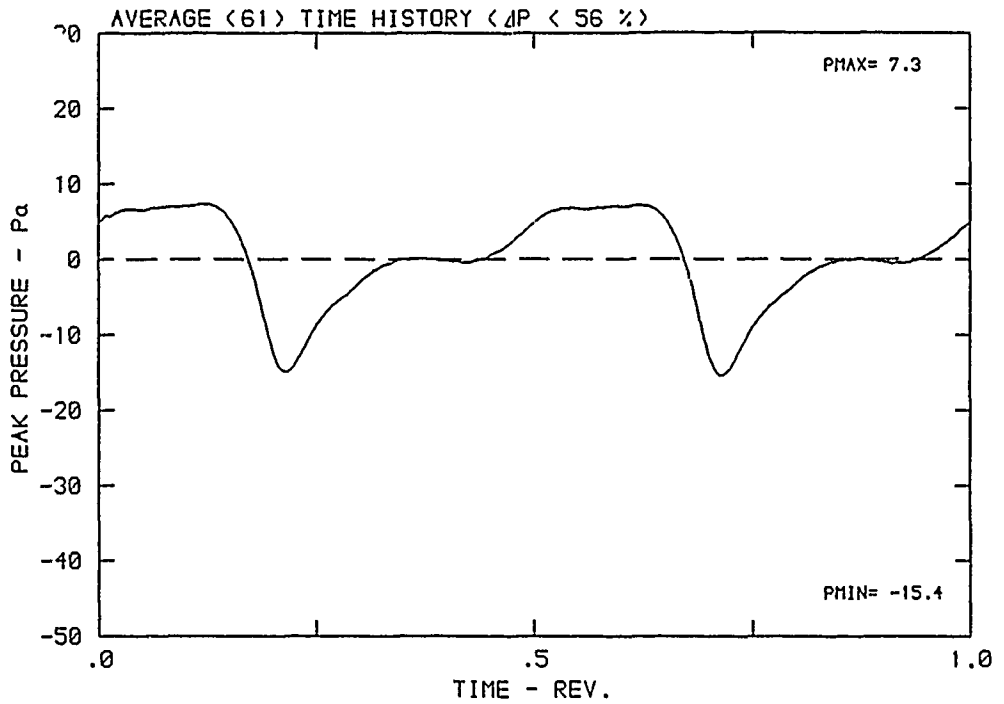
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

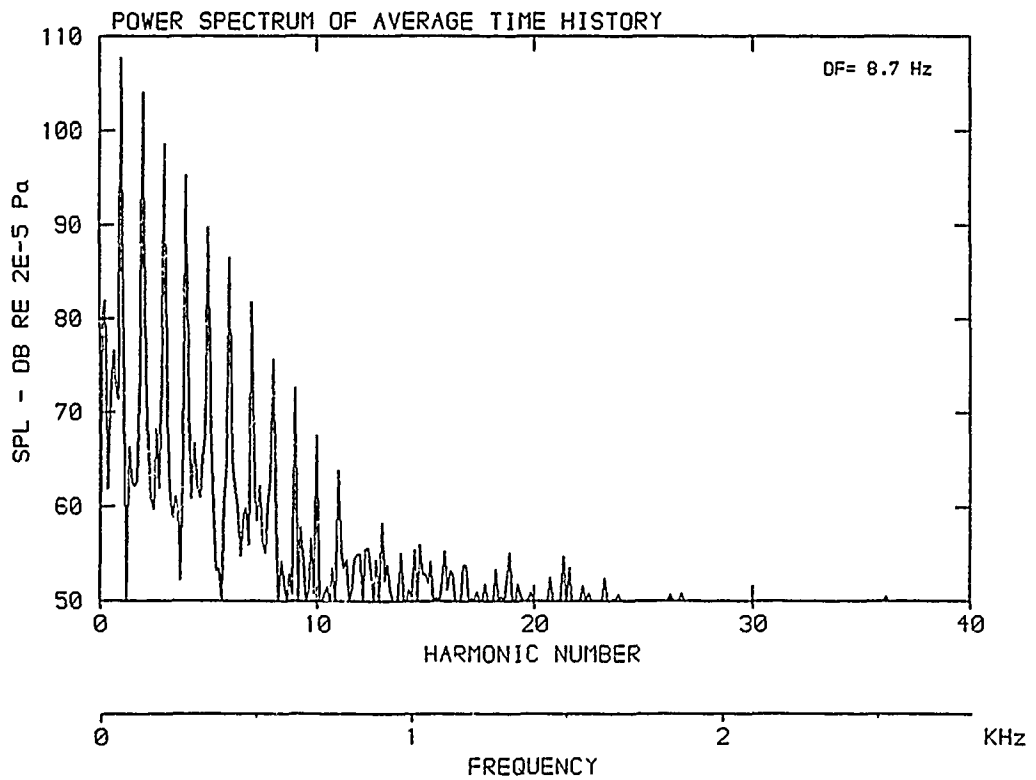




DATA POINT: CN-4 RUN: 100 MP: 2

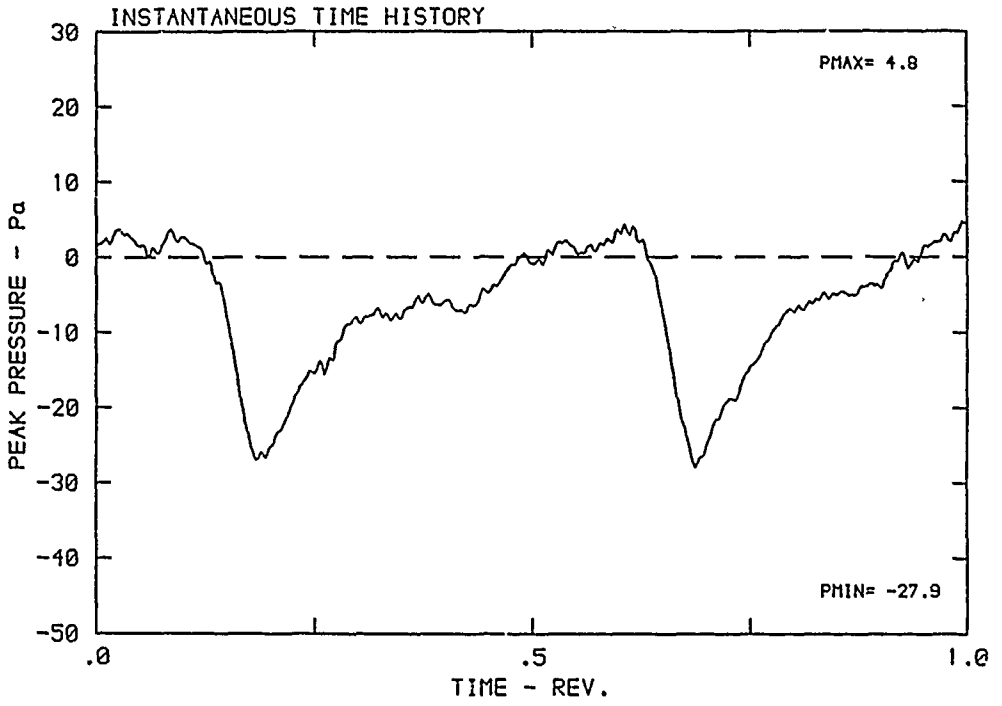
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

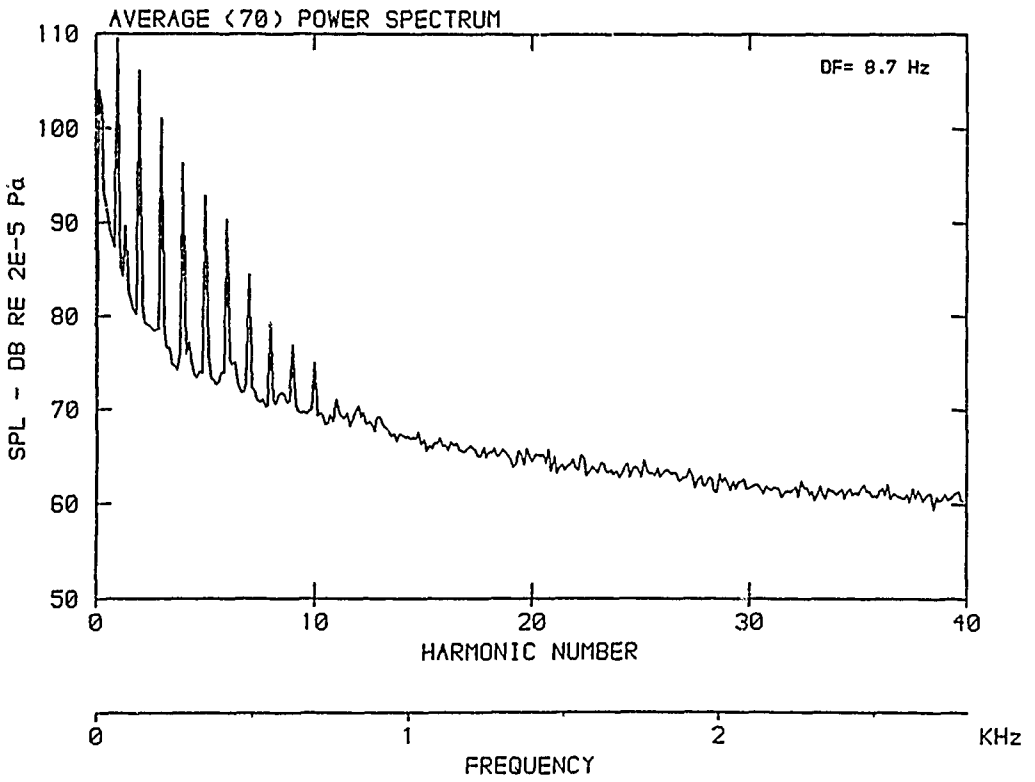




DATA POINT: CN-4 RUN: 100 MP: 3

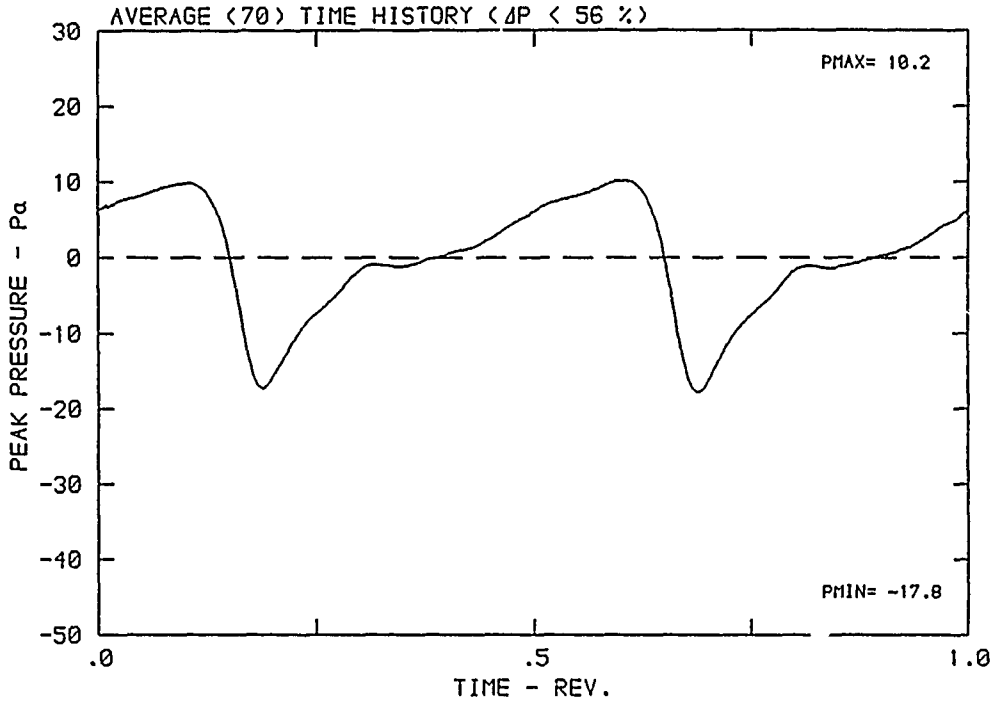
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

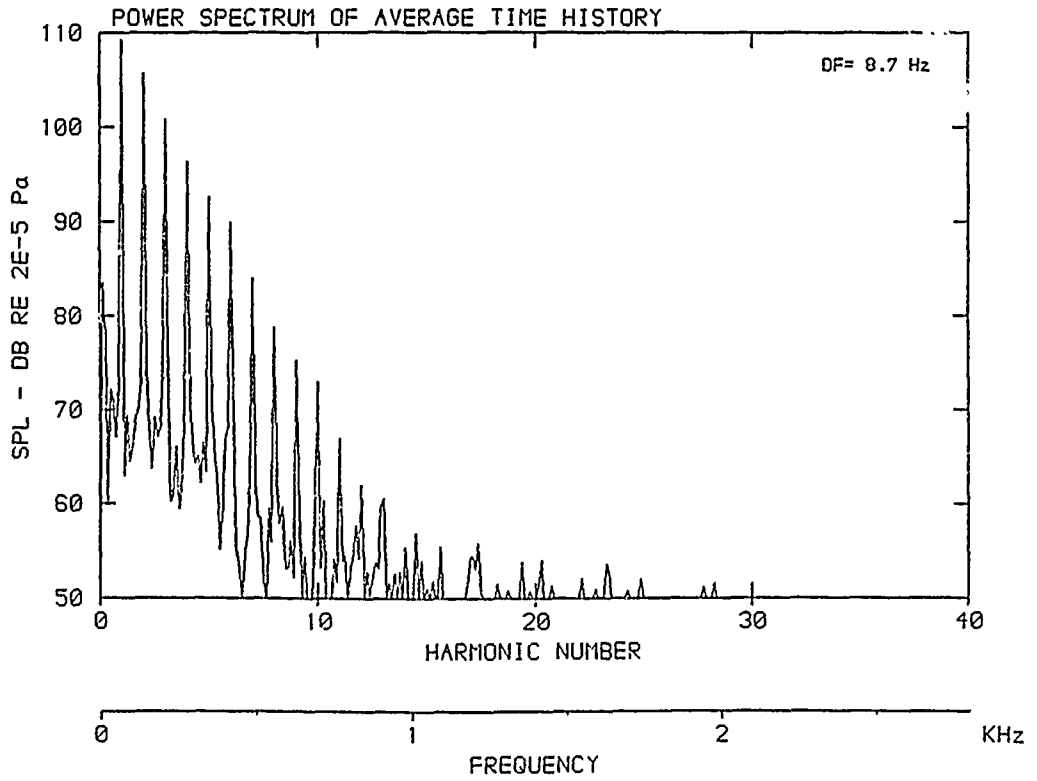




DATA POINT: CN-4	RUN: 100	MP: 3

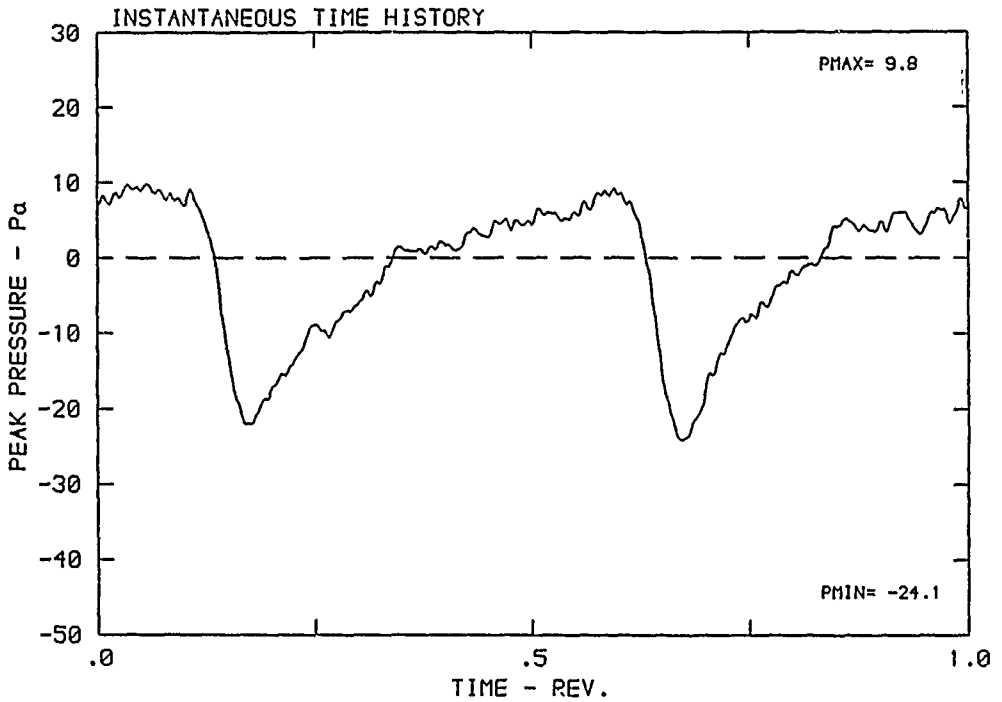
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

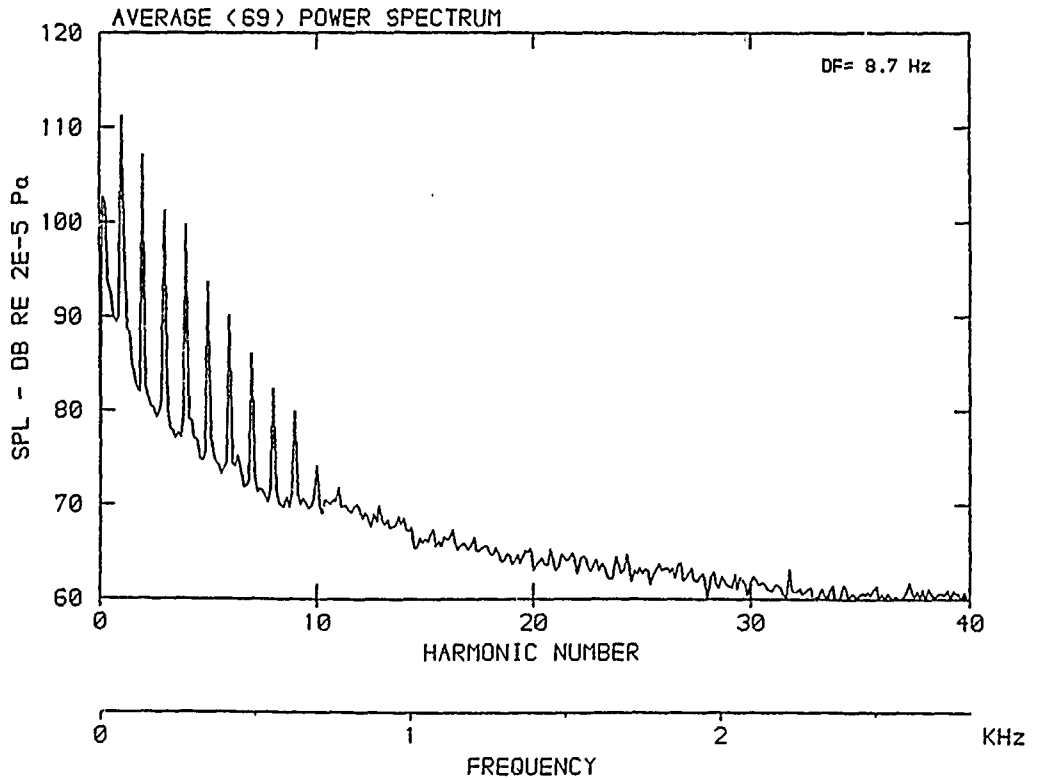




DATA POINT: CN-4 RUN: 100 MP: 4

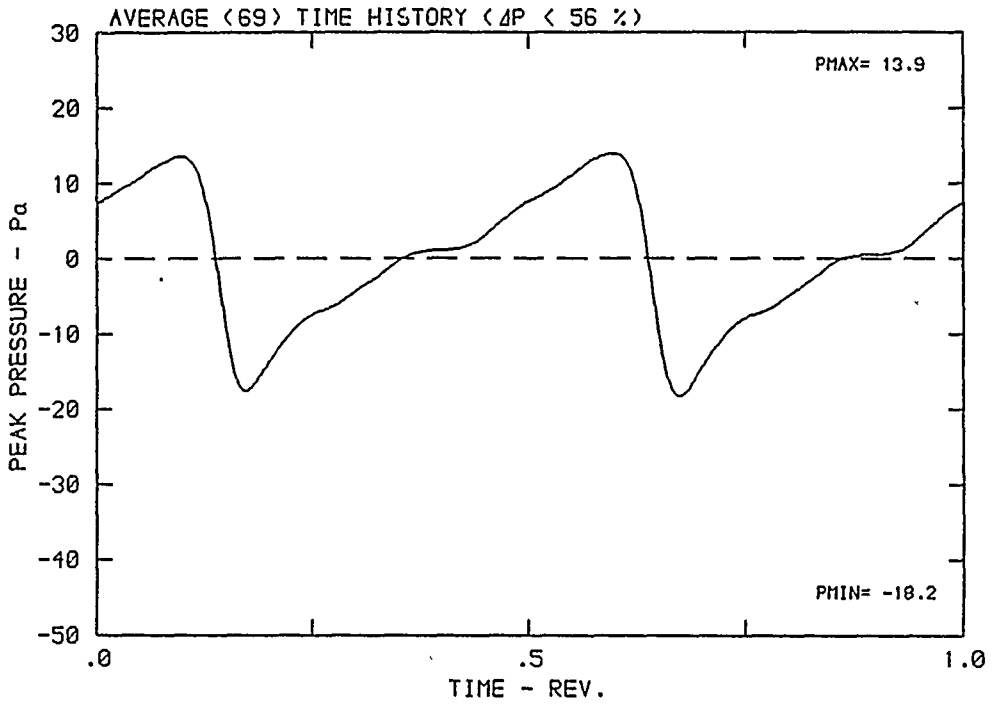
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

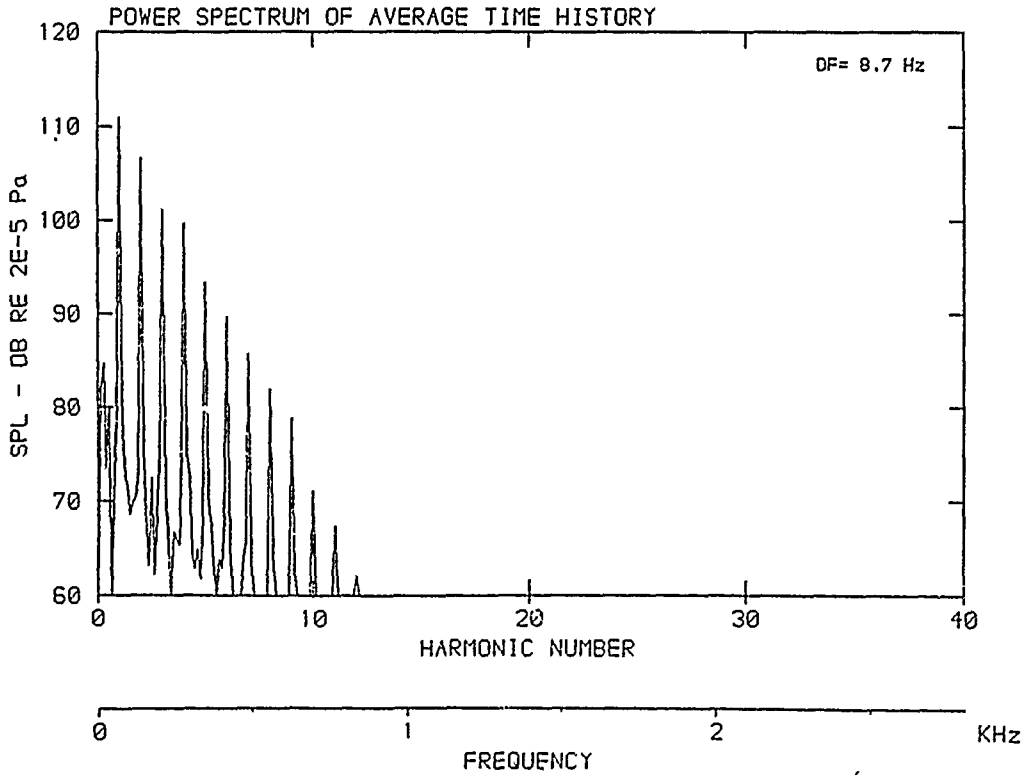




DATA POINT: CN-4 RUN: 100 MP: 4

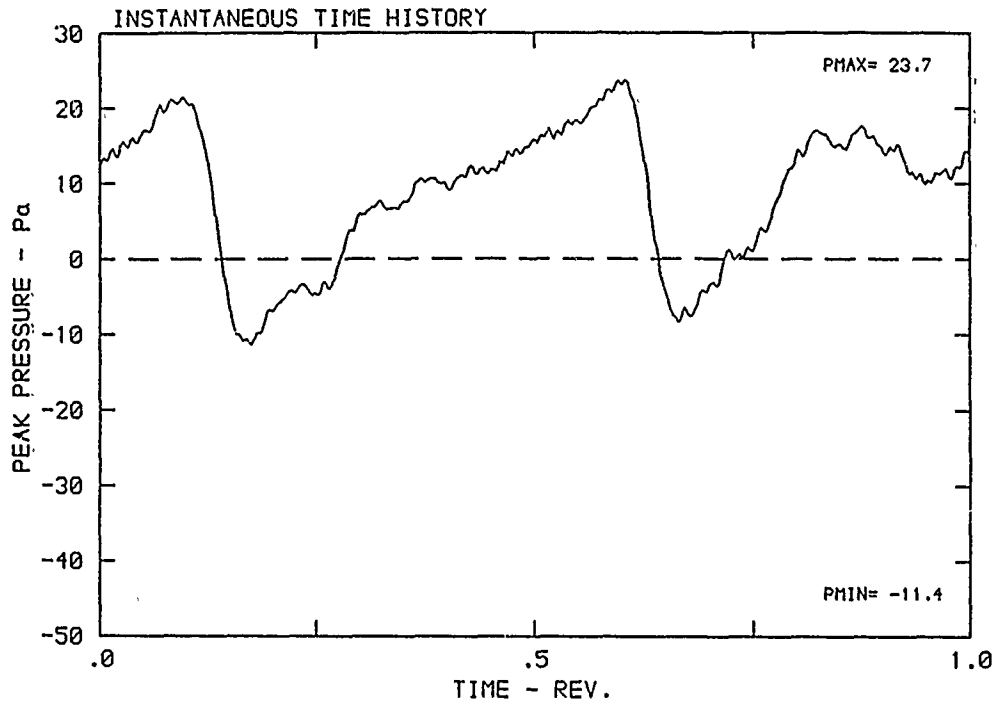
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

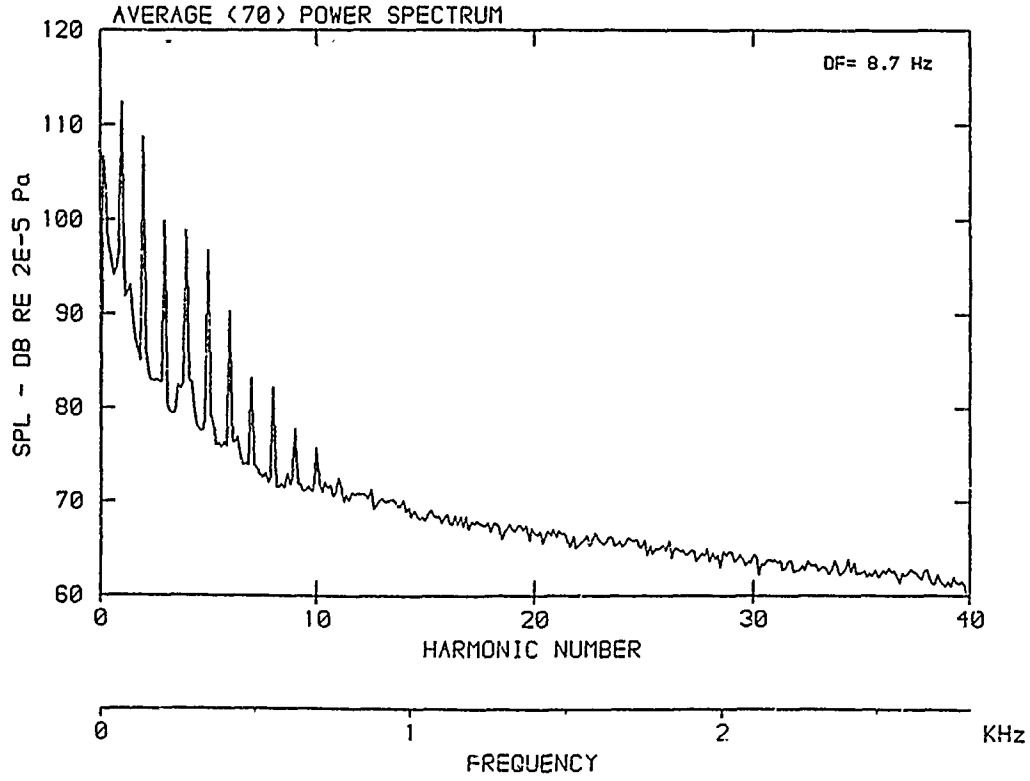




DATA POINT: CN-4 RUN: 100 MP: 5

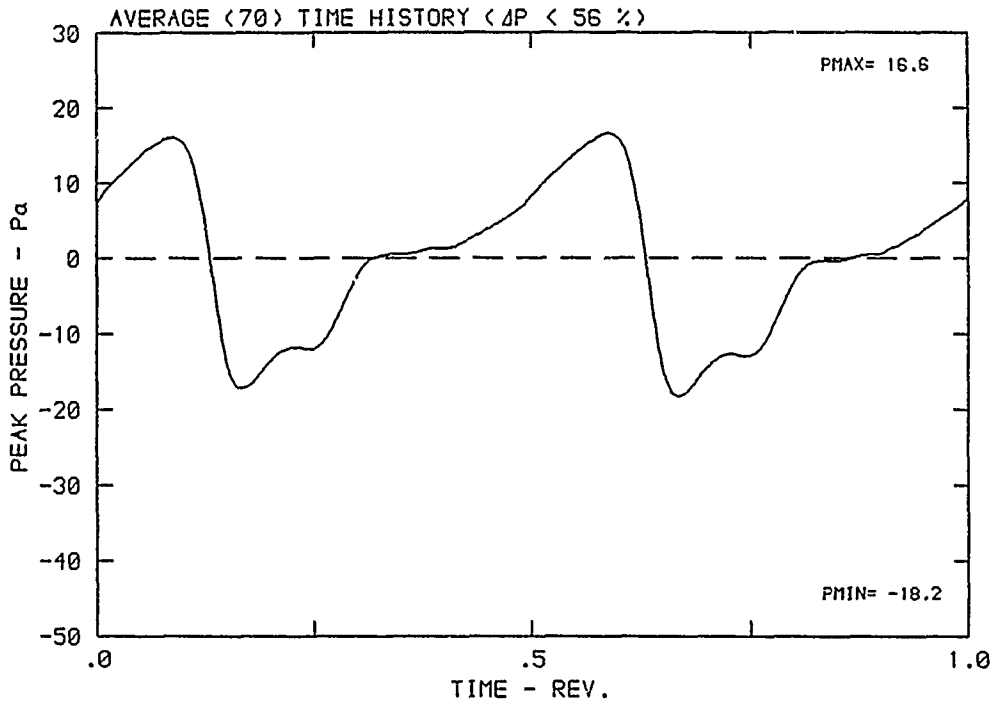
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

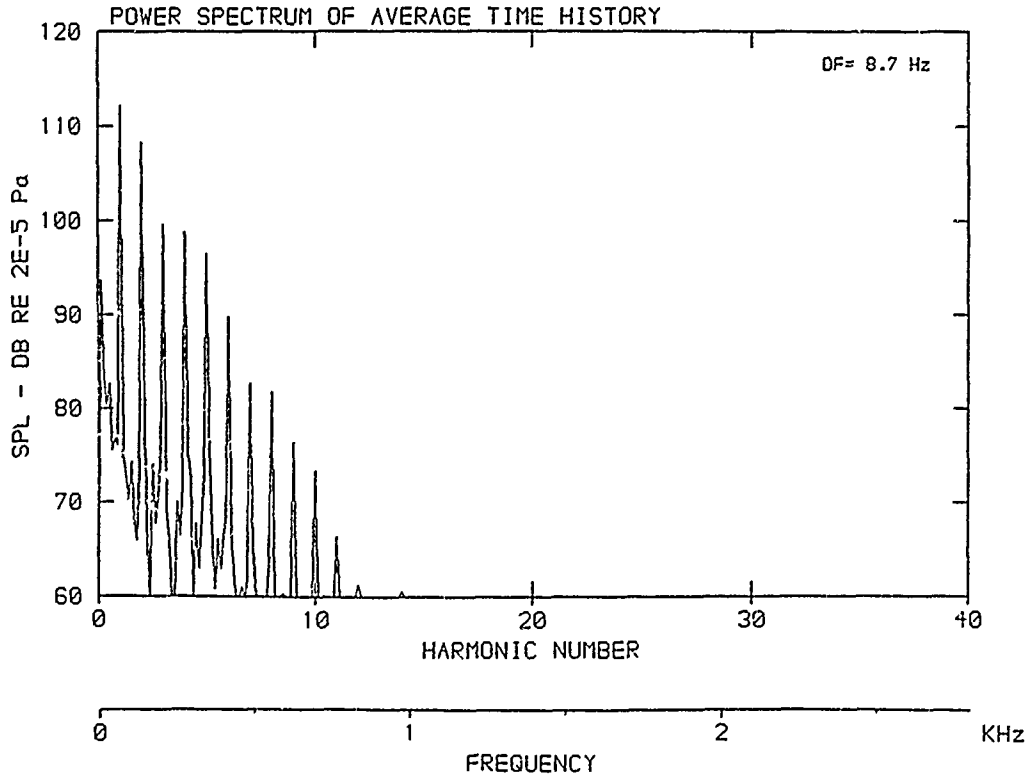




DATA POINT: CN-4 RUN: 100 MP: 5

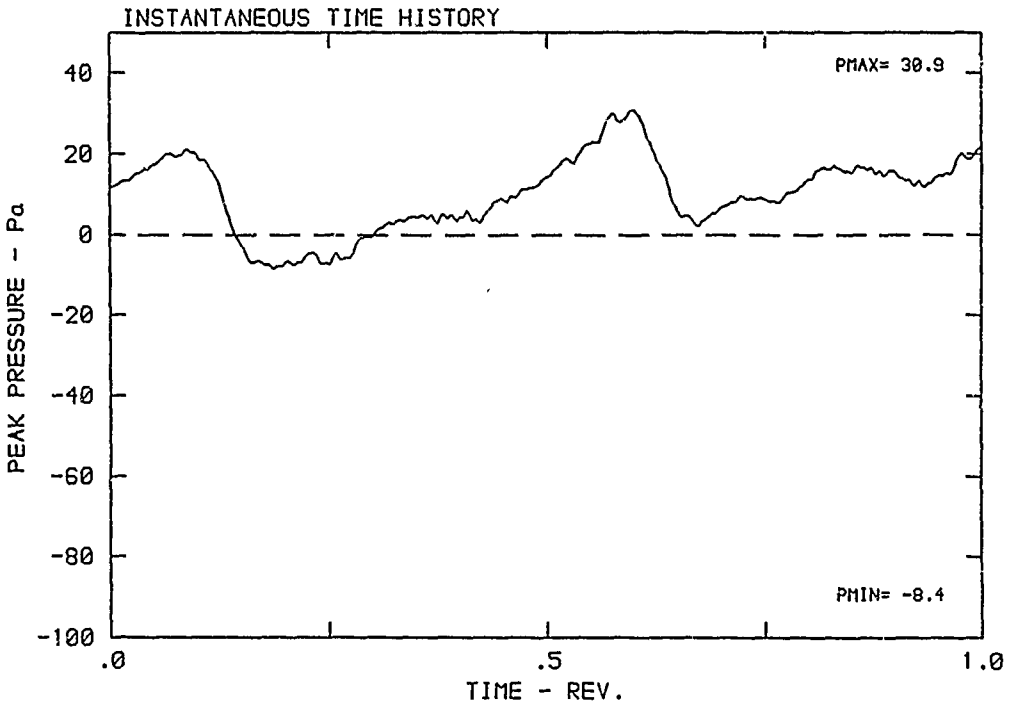
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

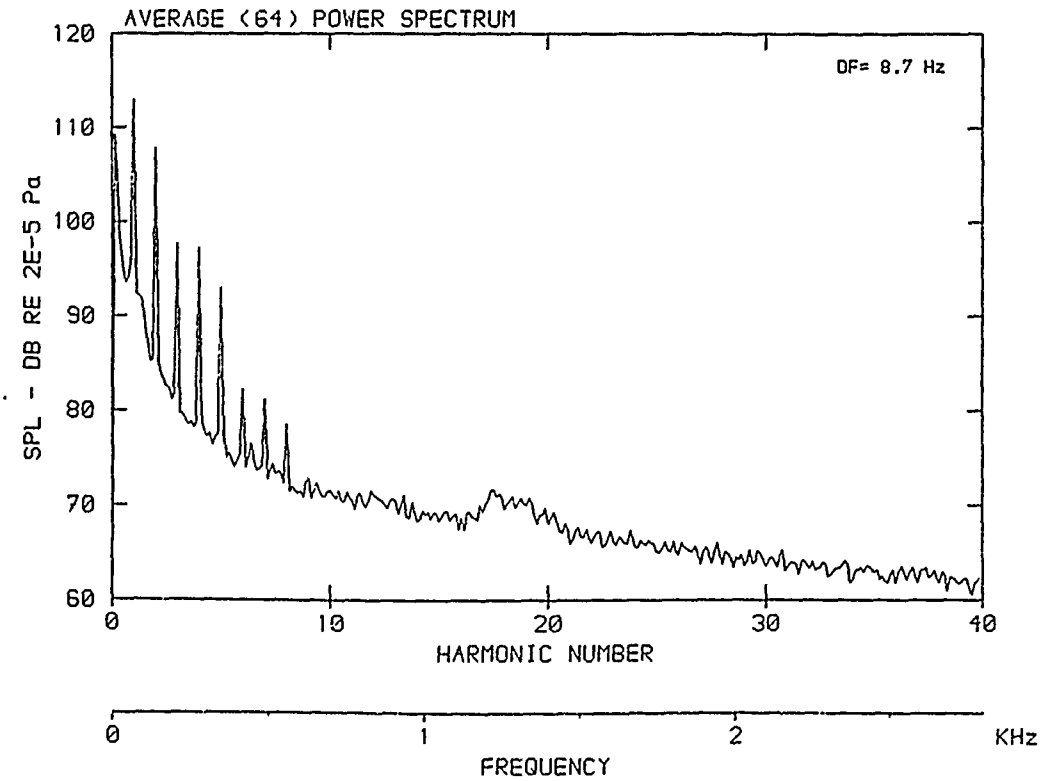




DATA POINT: CN-4 RUN: 100 MP: 6

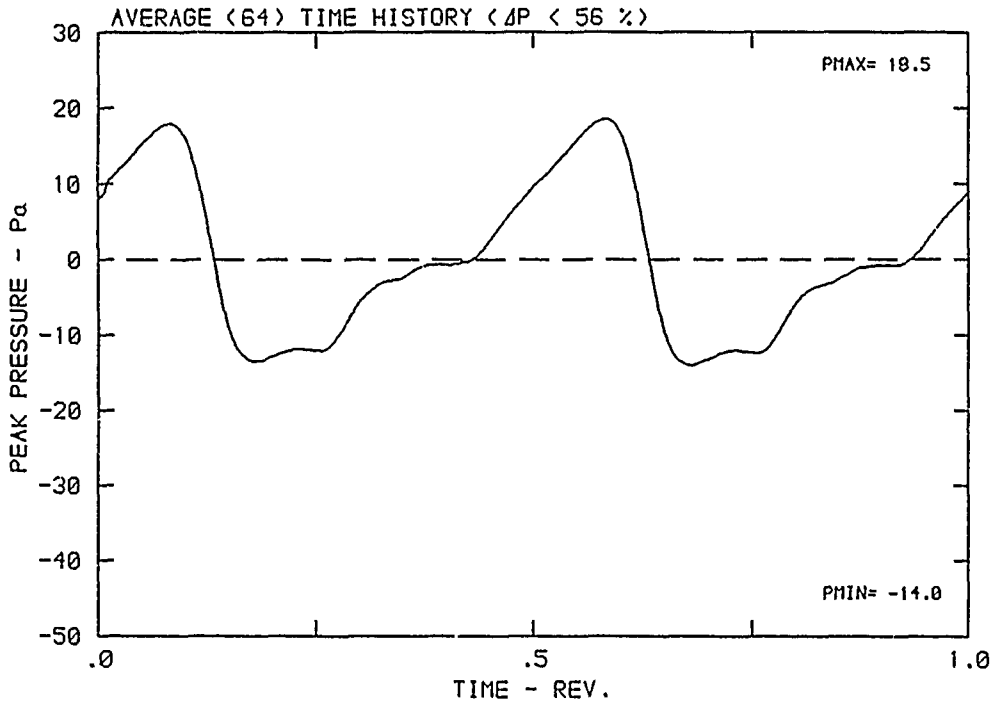
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

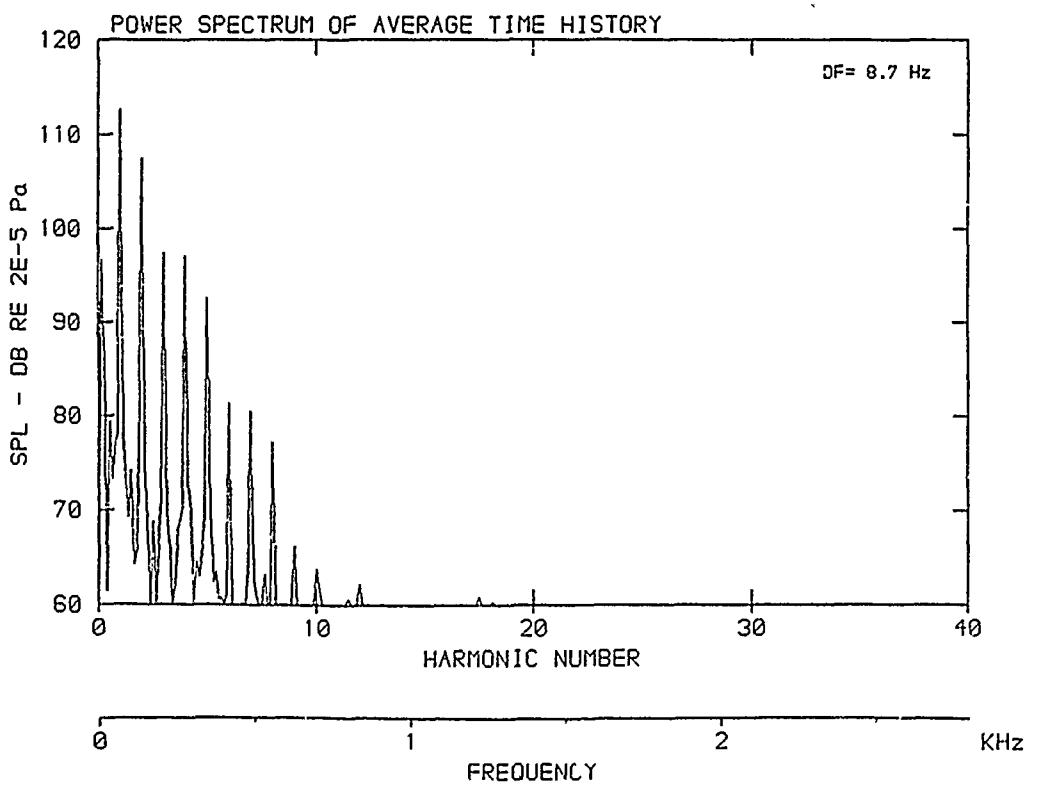




DATA POINT: CN-4 RUN: 100 MP: 6

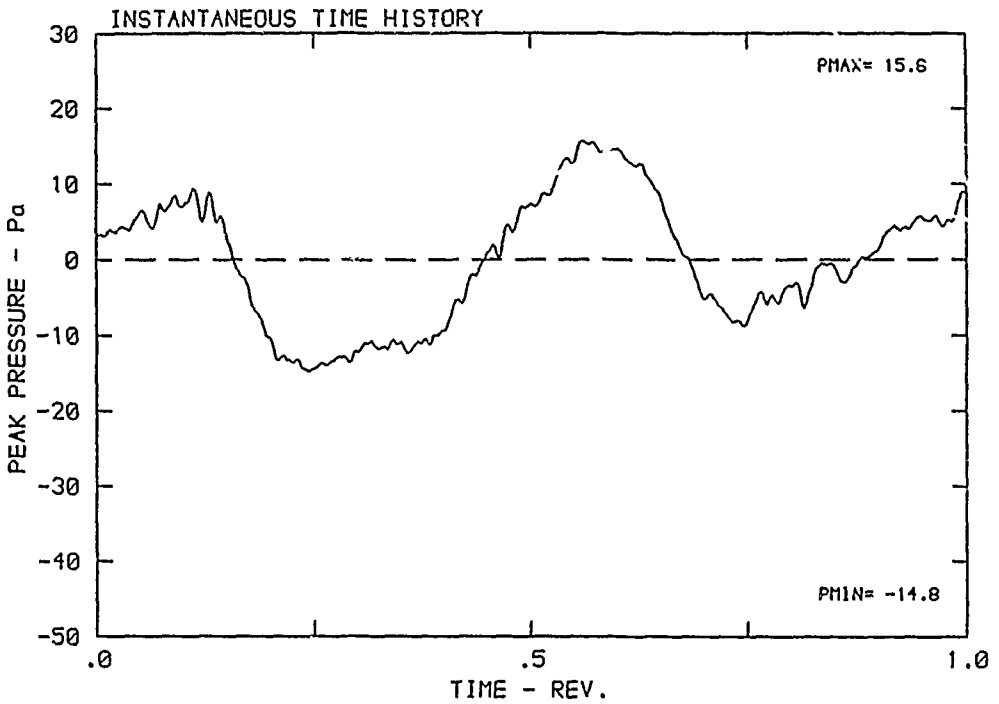
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

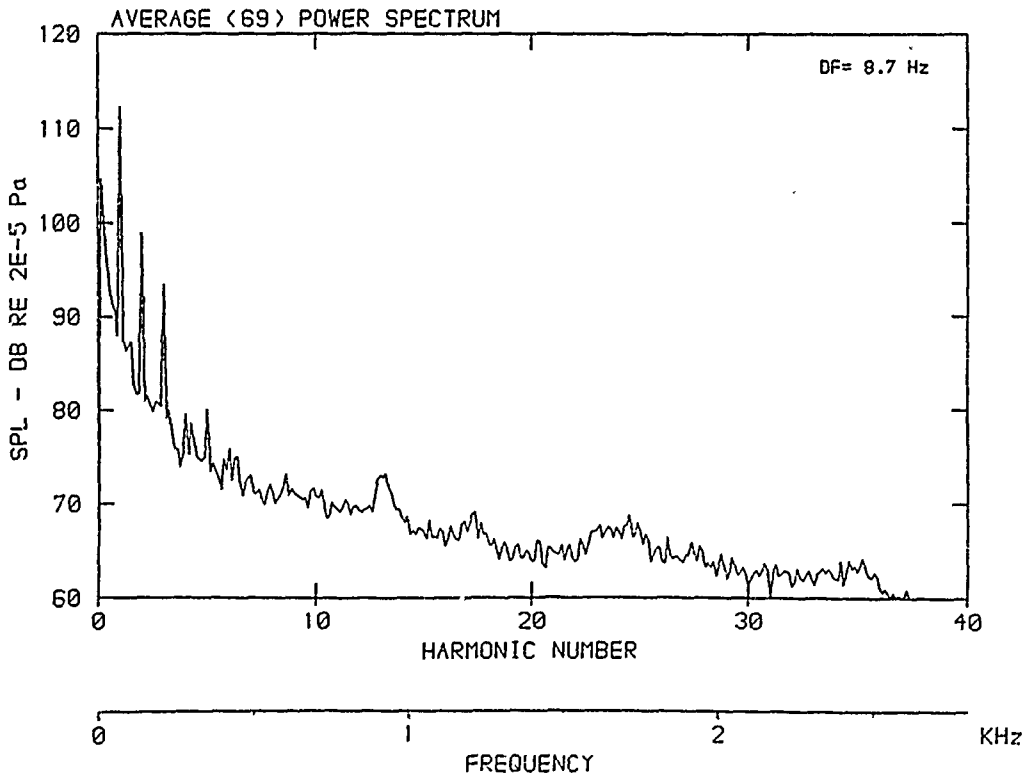




DATA POINT: CN-4 RUN: 100 MP: 7

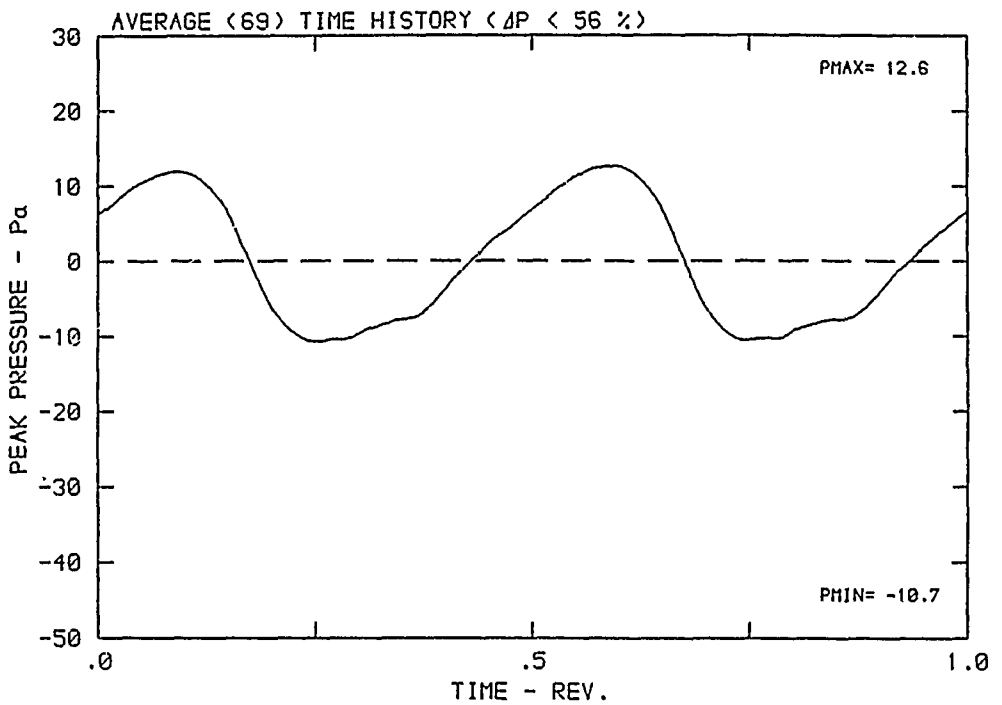
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

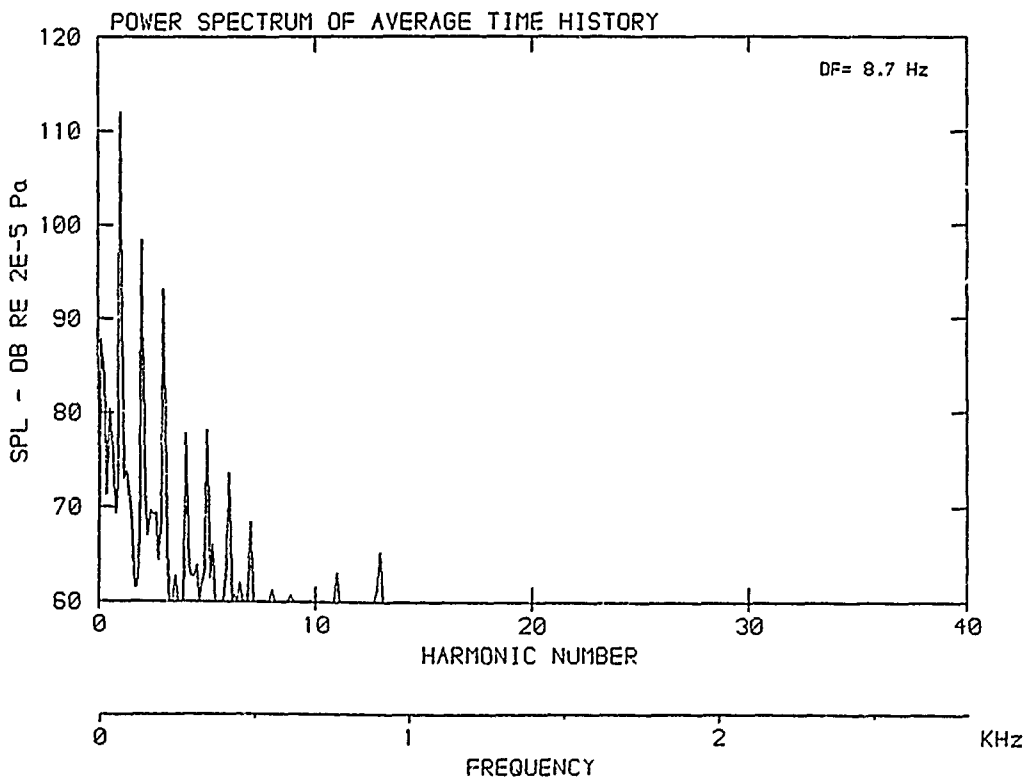




DATA POINT: CN-4 RUN: 100 MP: 7

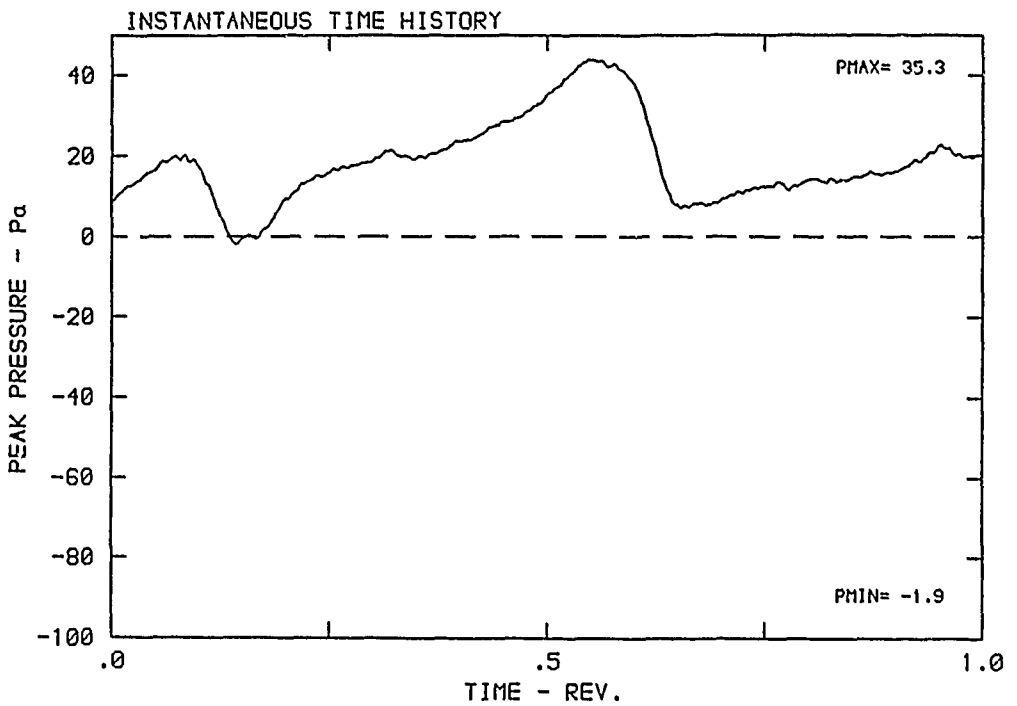
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

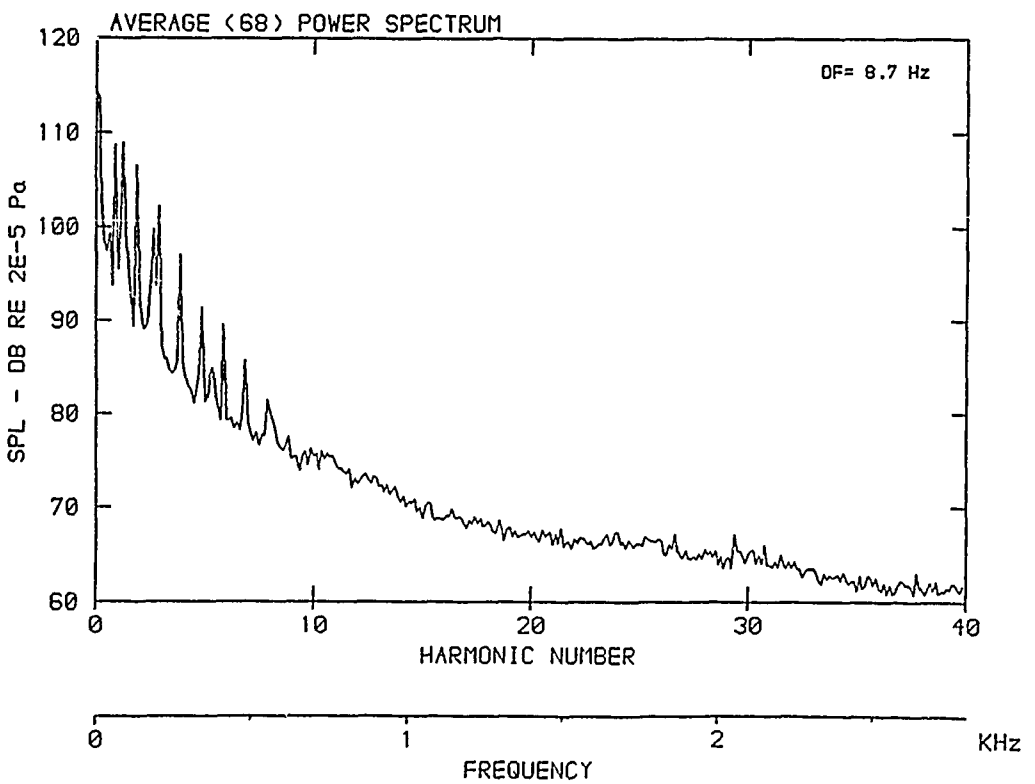




DATA POINT: CN-4 RUN: 100 MP: 8

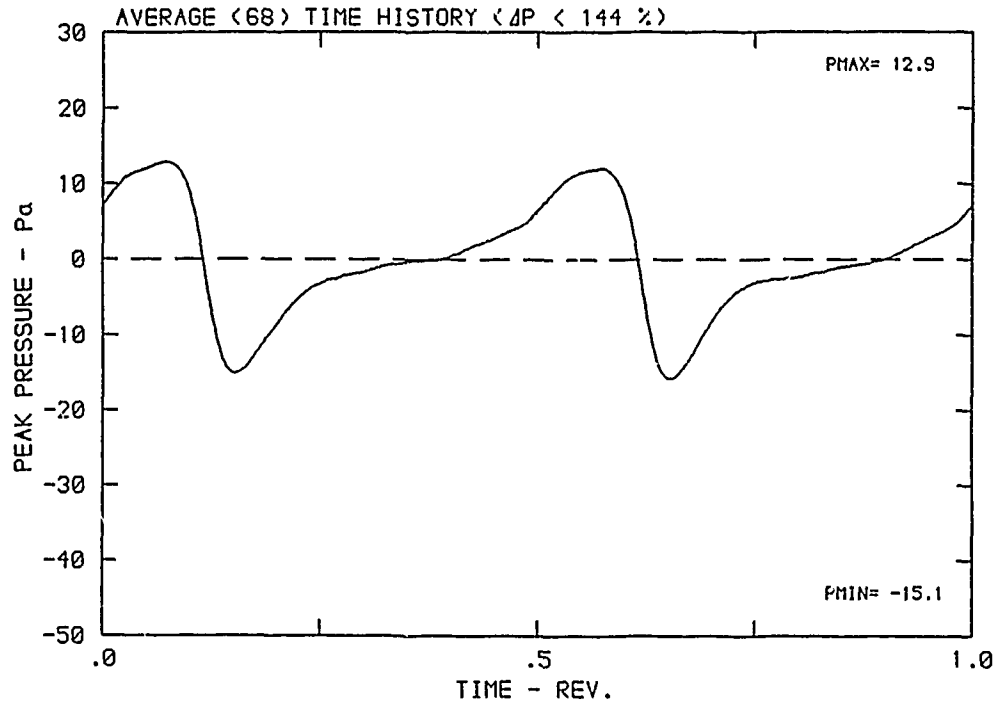
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

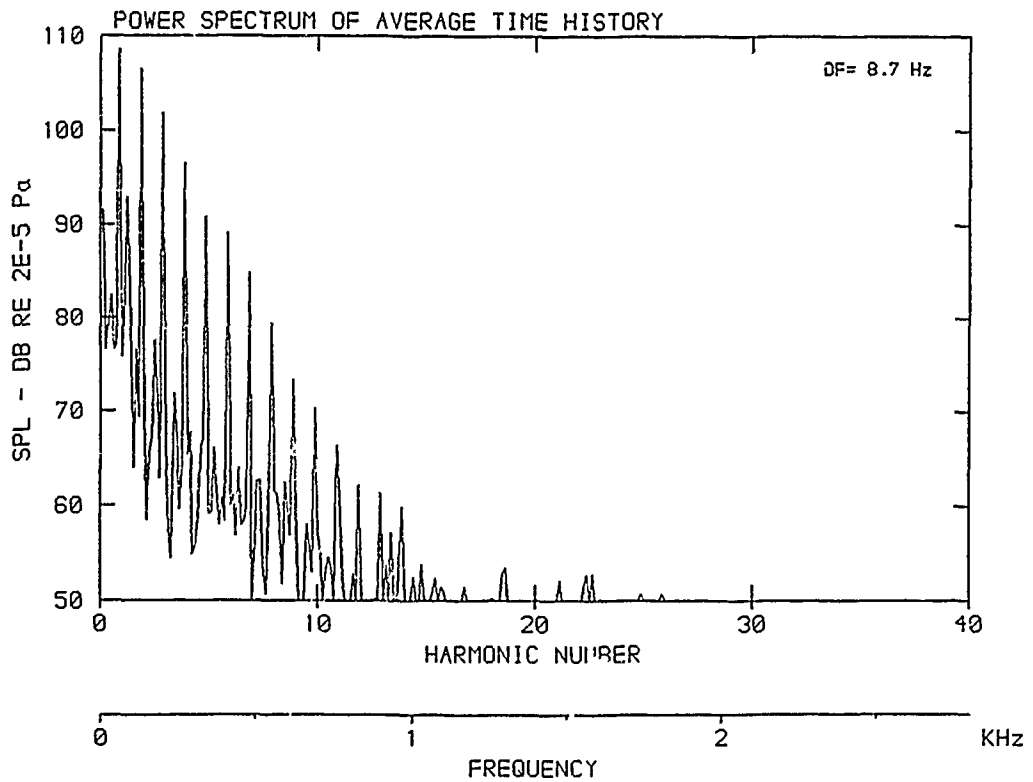




DATA POINT: CN-4	RUN: 100	MP: 8

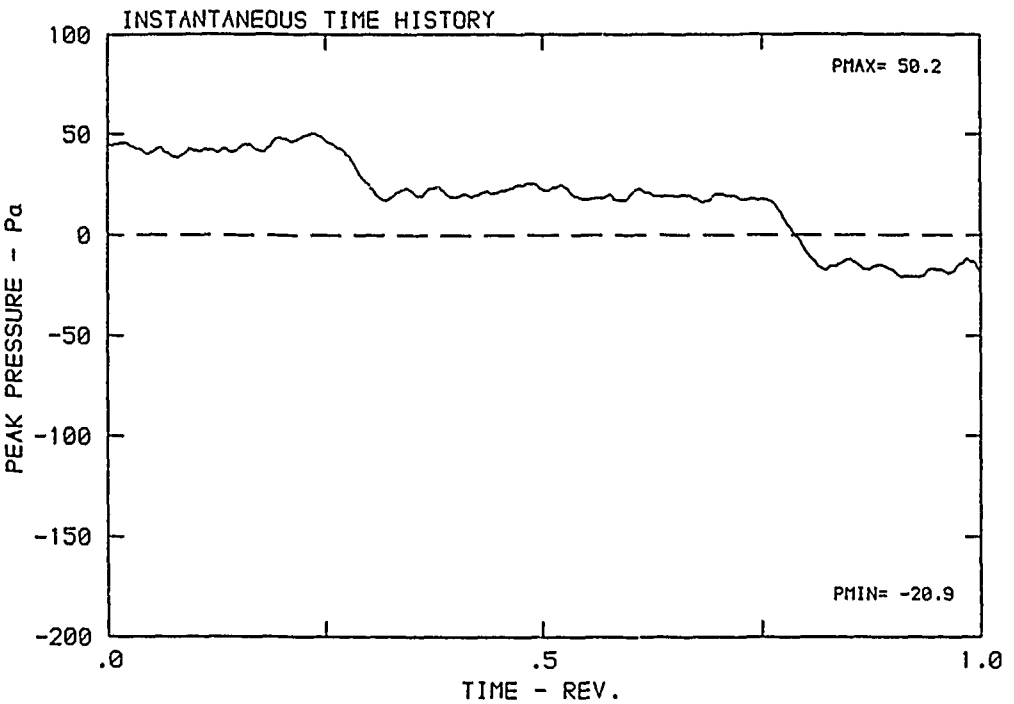
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

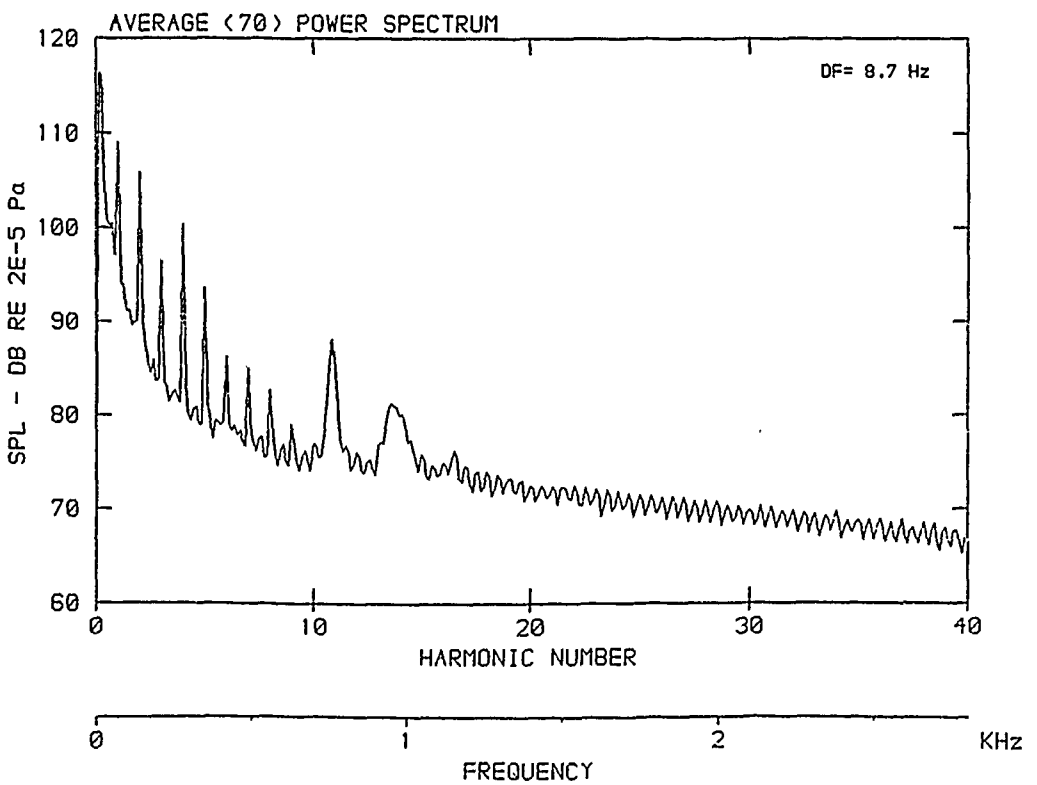




DATA POINT: CN-4 RUN: 100 MP: 9

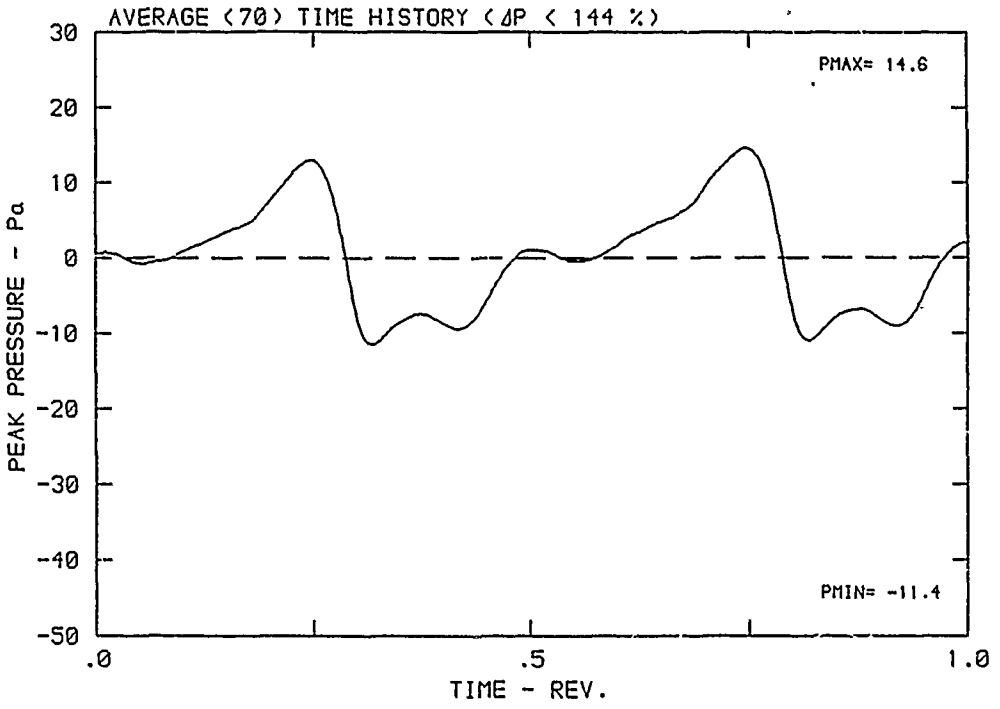
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

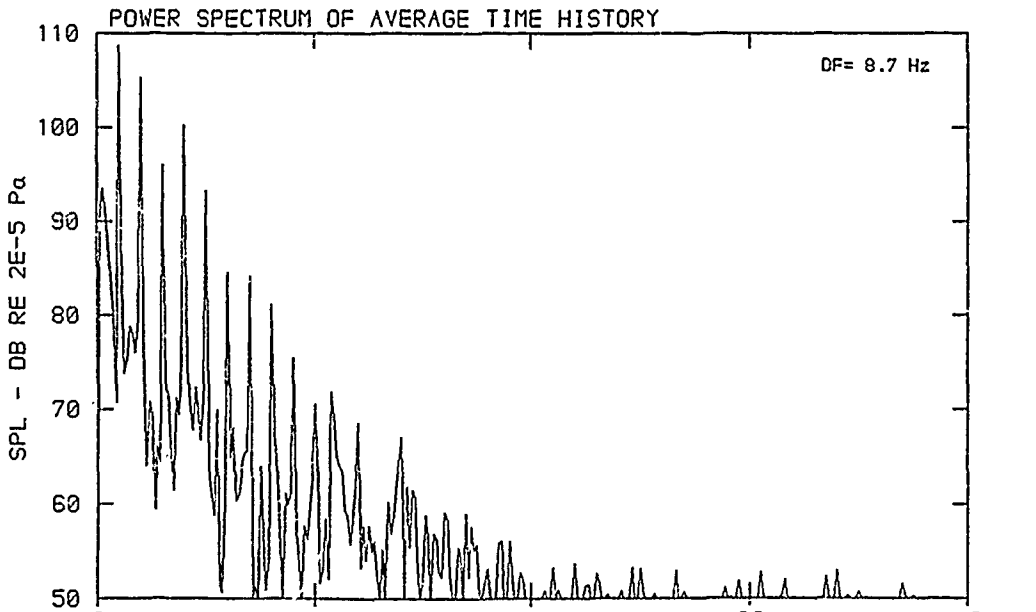




DATA POINT: CN-4	RUN: 100	MP: 9

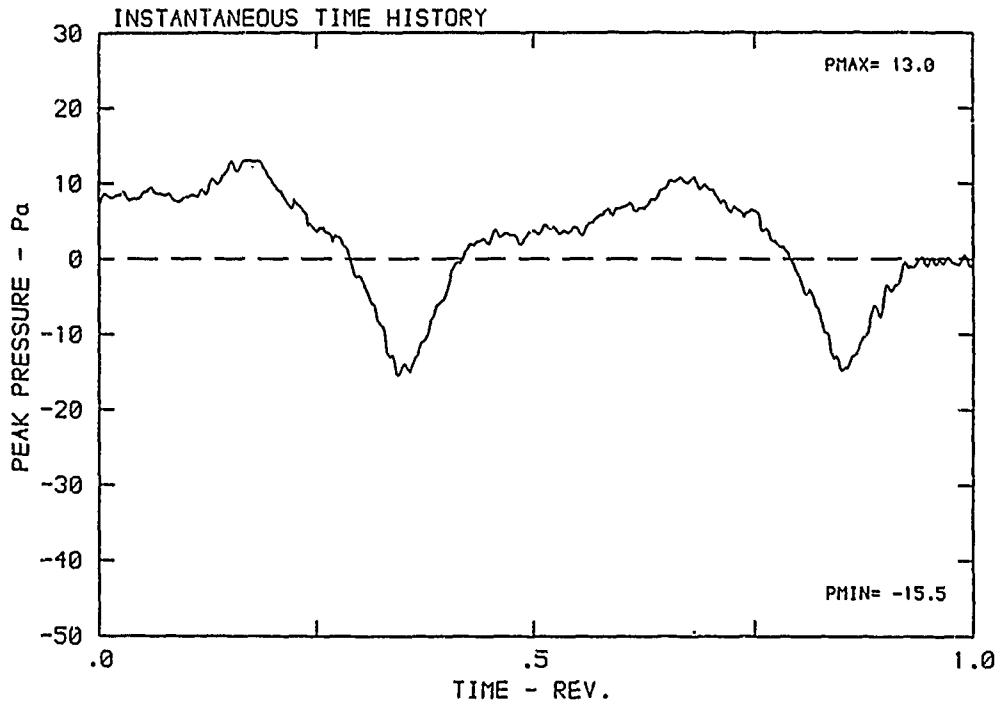
β: 23.7° MH: .6753 n: 2100 rpm v/u: .229 ϕ: .0° T: 286.6 K

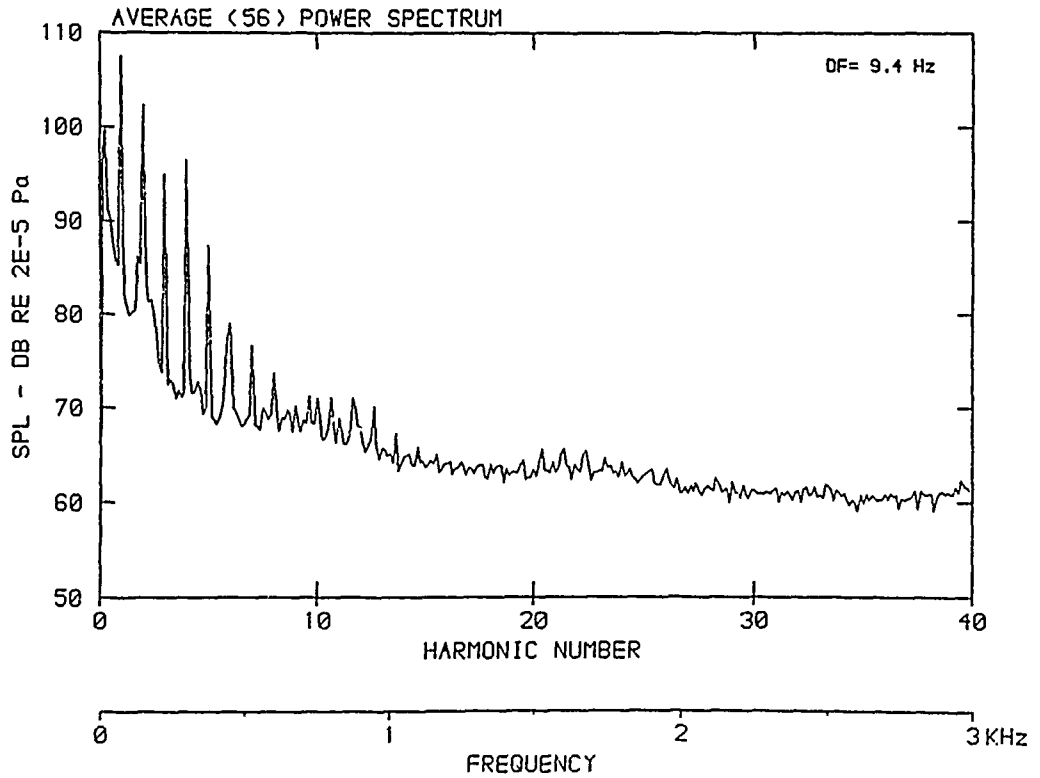




DATA POINT: CN-7 RUN: 99 MP: 1

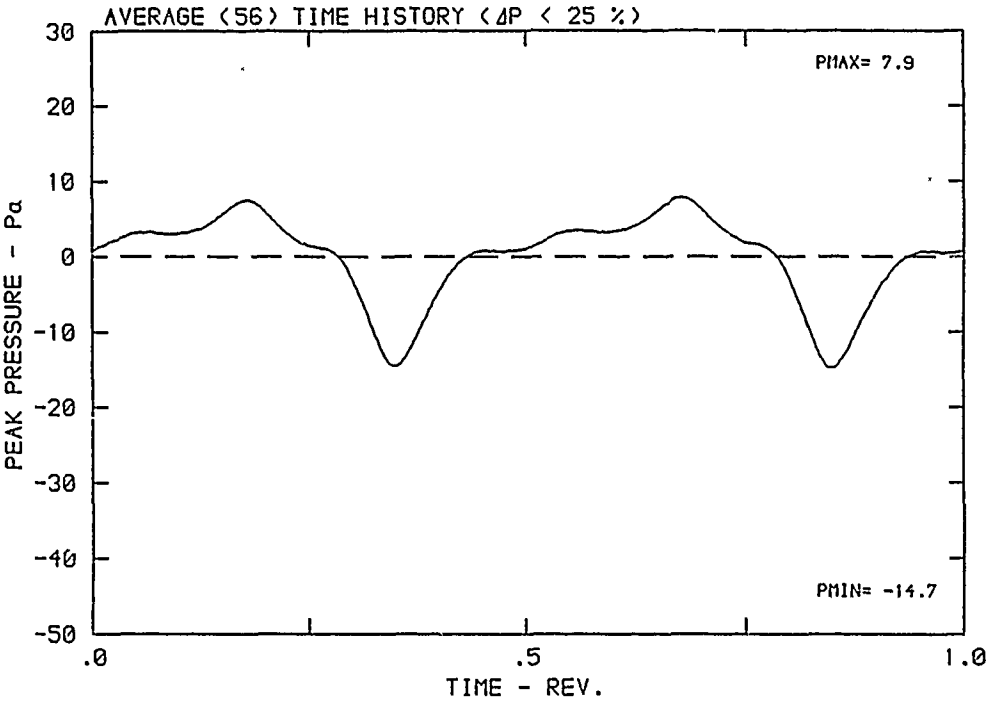
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

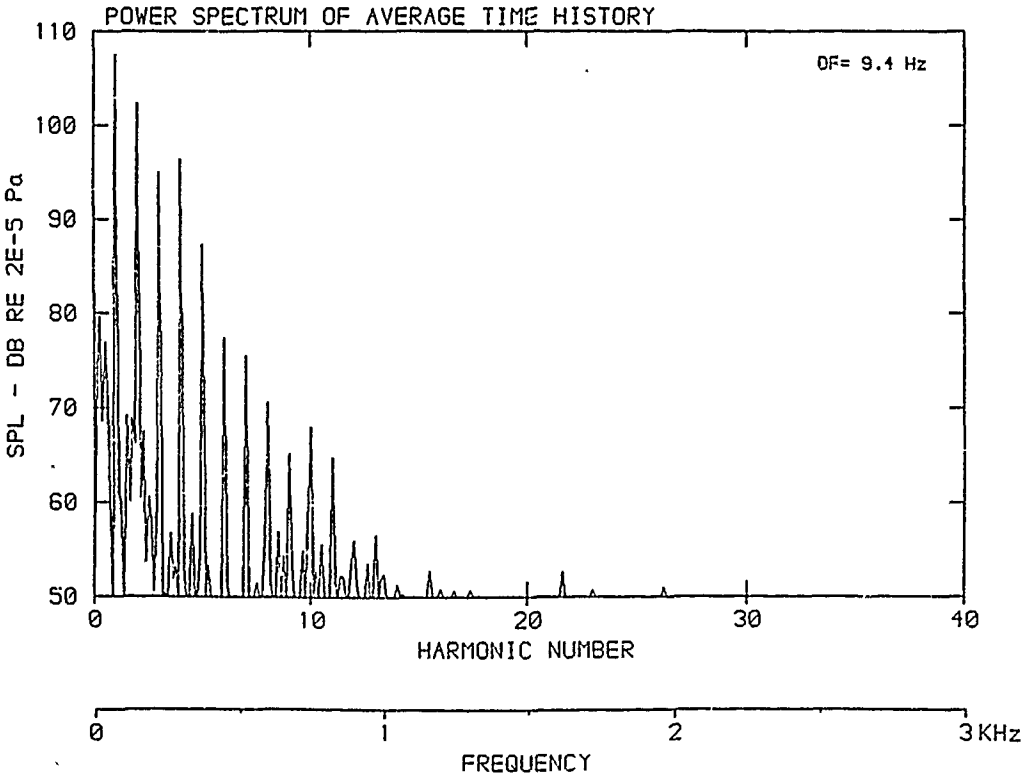




DATA POINT: CN-7 RUN: 99 MP: 1

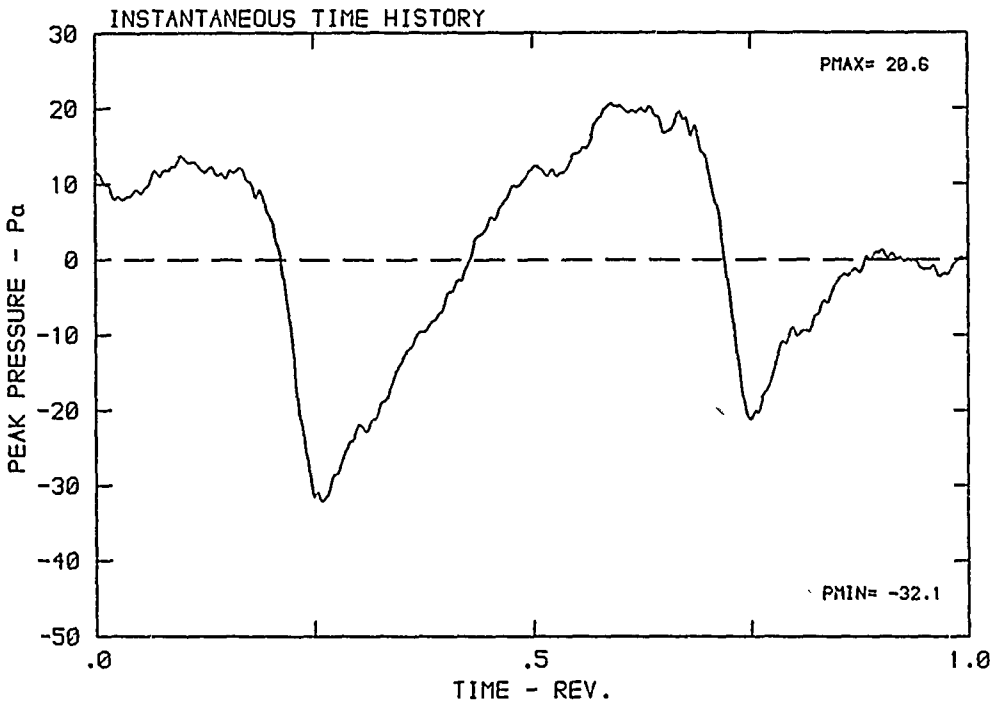
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

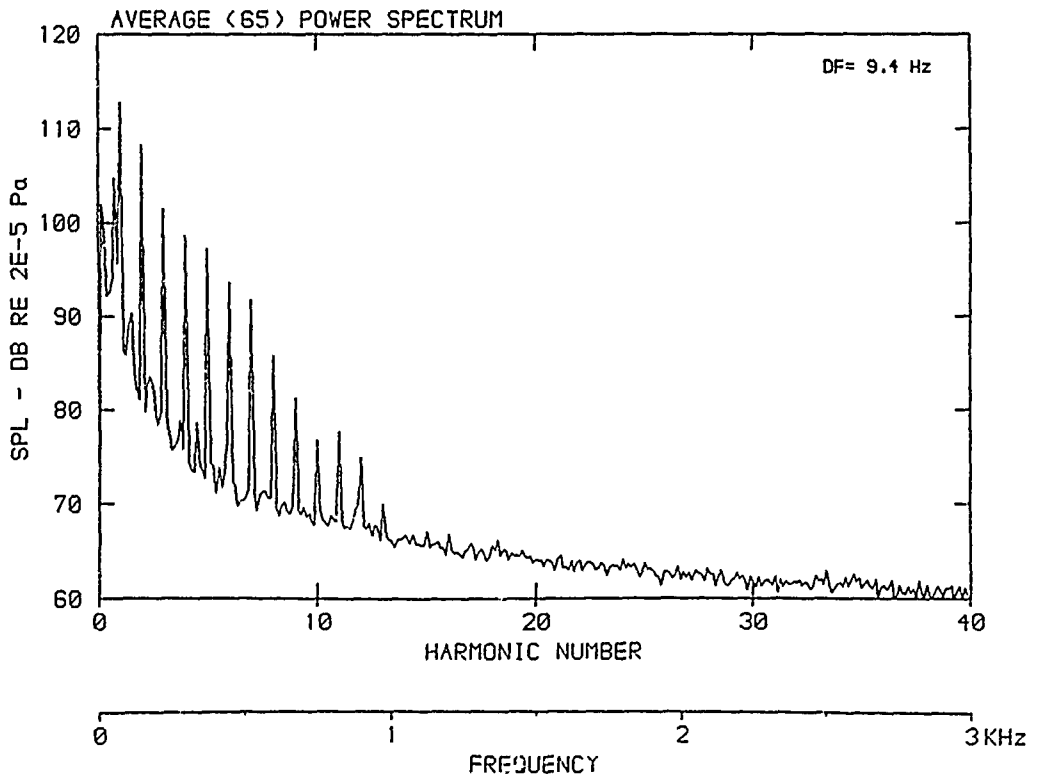




DATA POINT: CN-7 RUN: 99 MP: 2

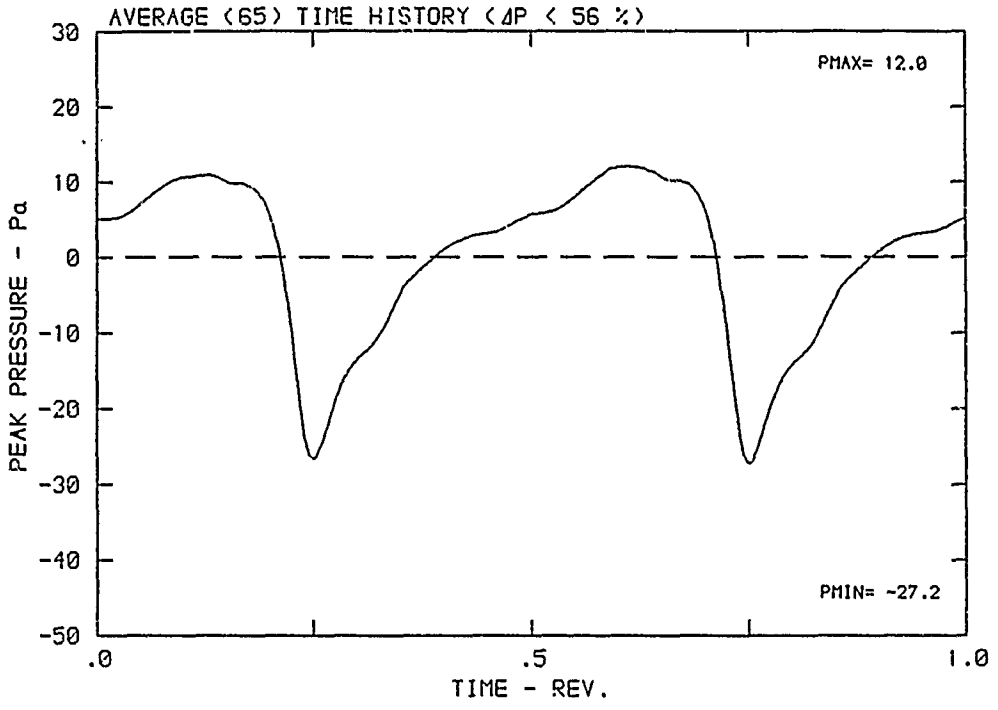
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

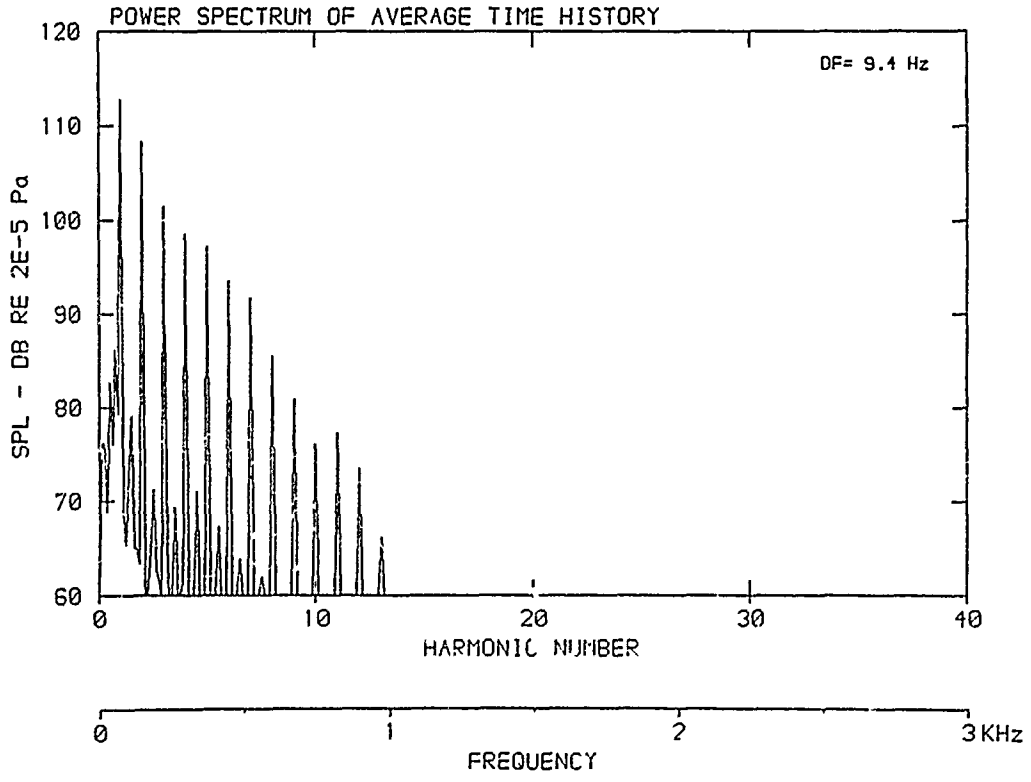




DATA POINT: CN-7 RUN: 99 MP: 2

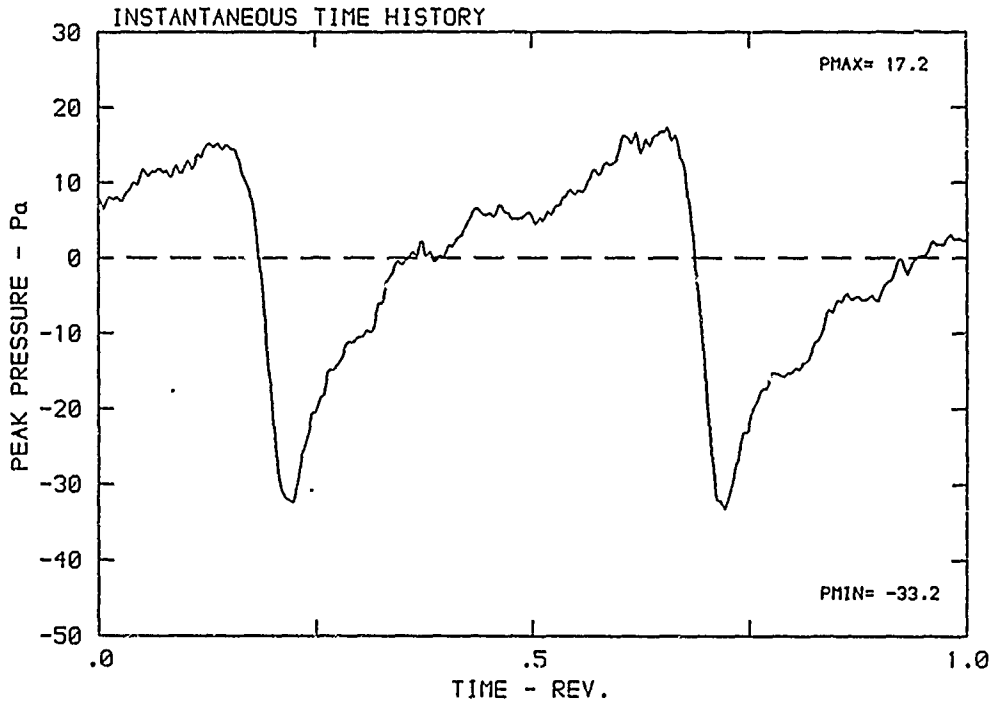
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

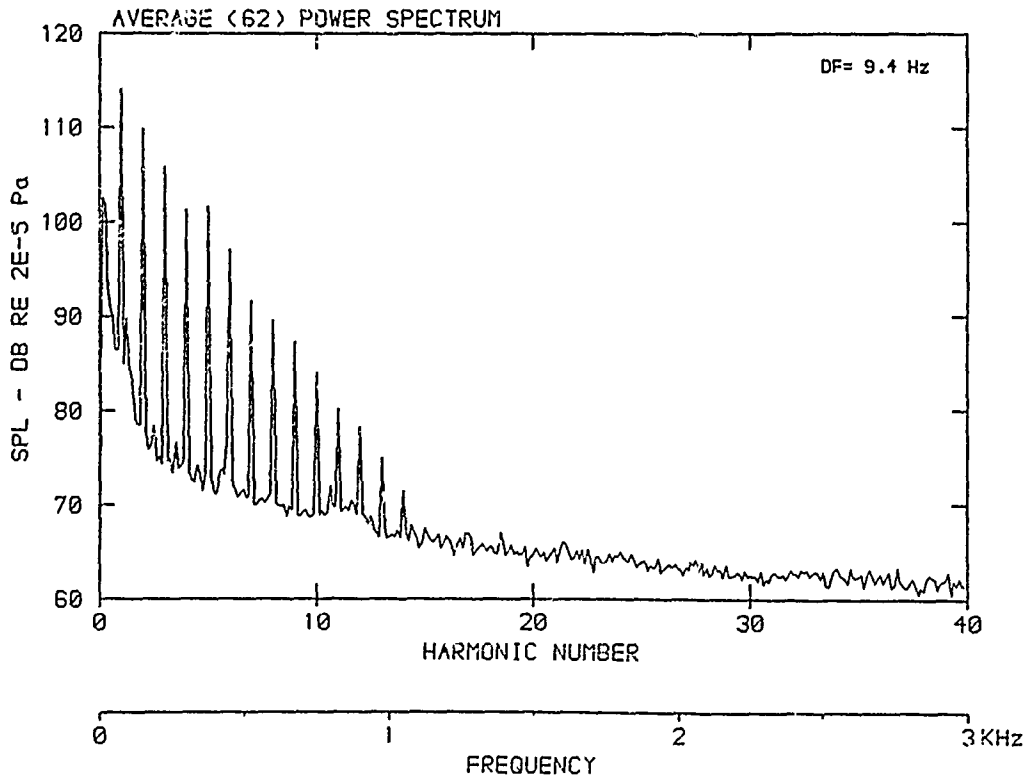




DATA POINT: CN-7 RUN: 99 MP: 3

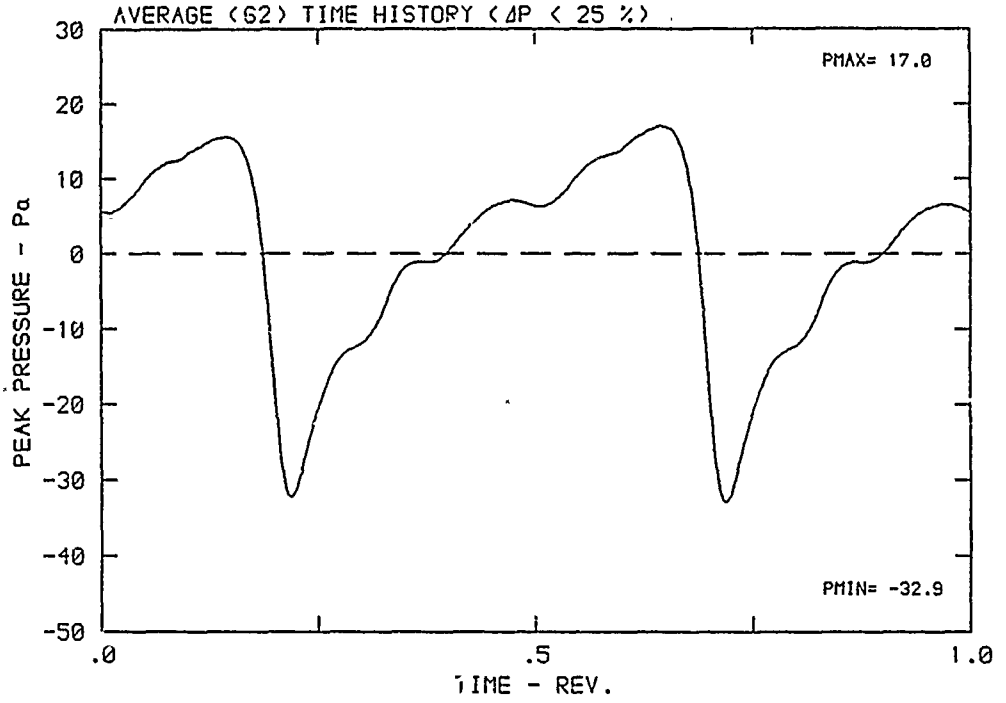
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 φ: .0° T: 287.3 K

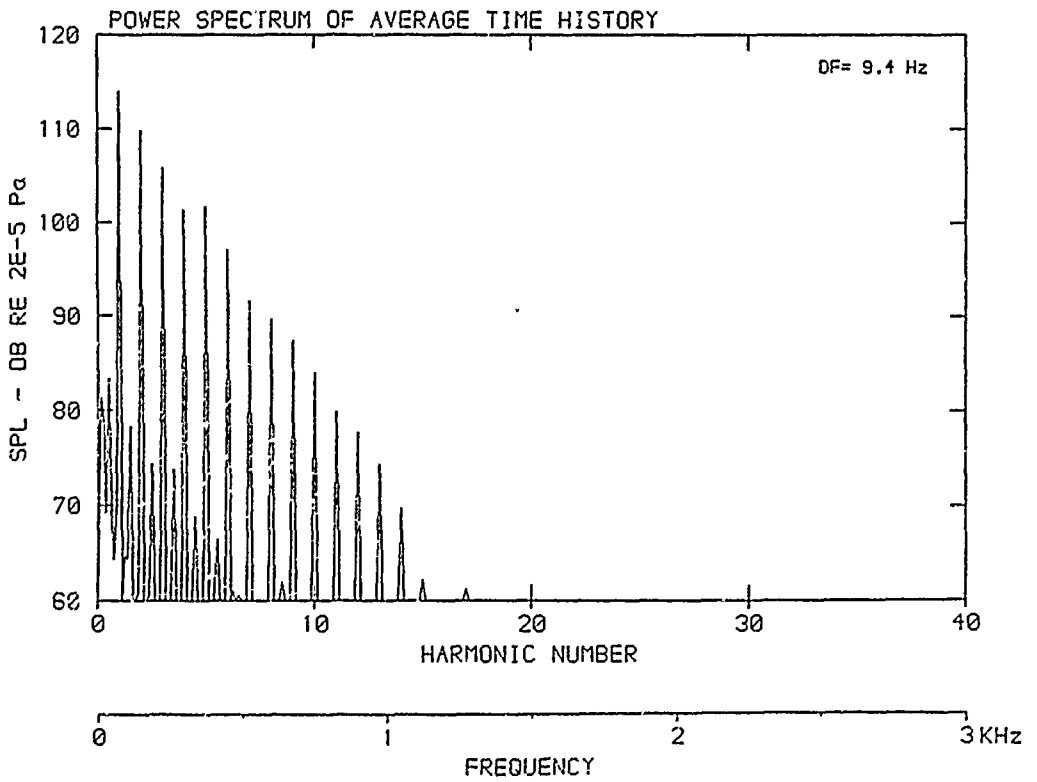




DATA POINT: CN-7	RUN: 99	MP: 3

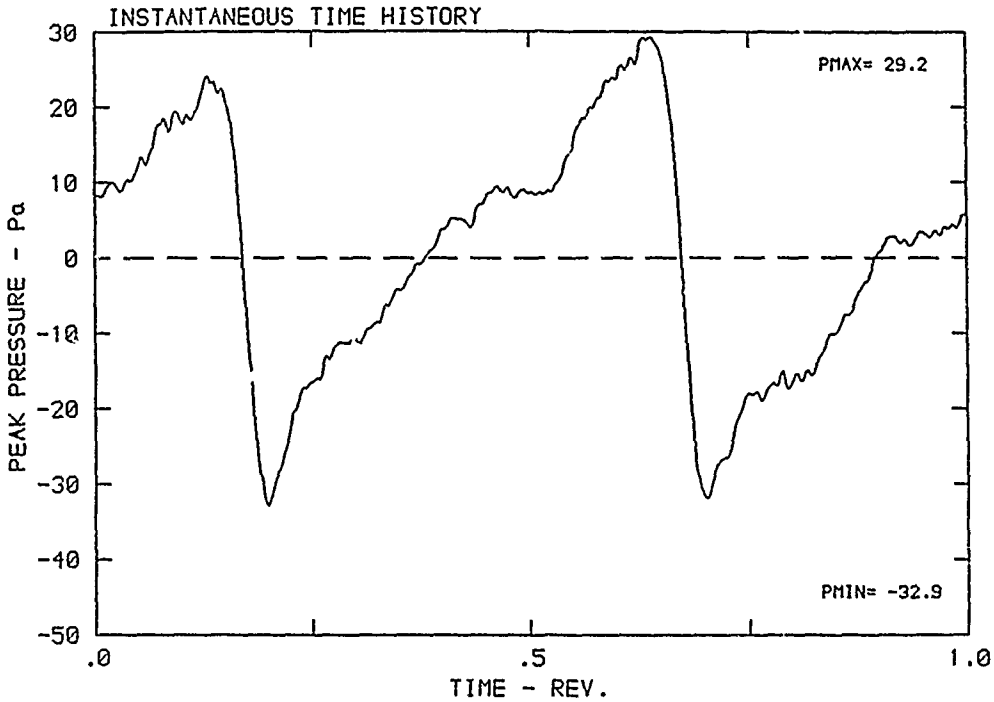
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 φ: .0° T: 287.3 K

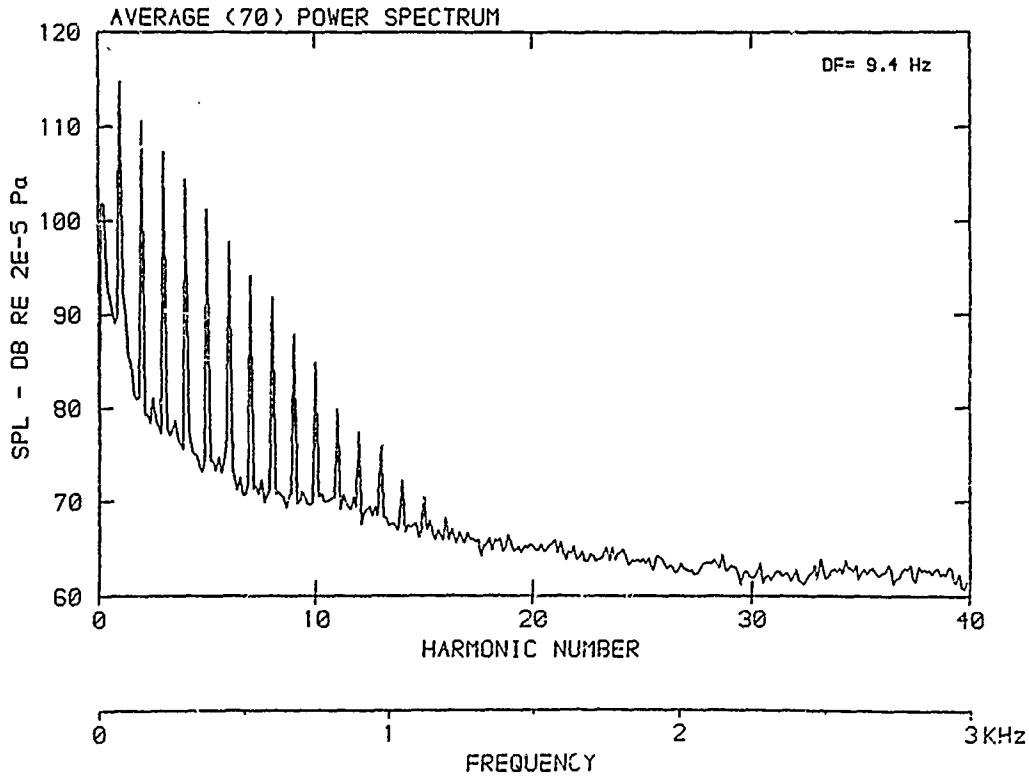




DATA POINT: CN-7	RUN: 99	MP: 4

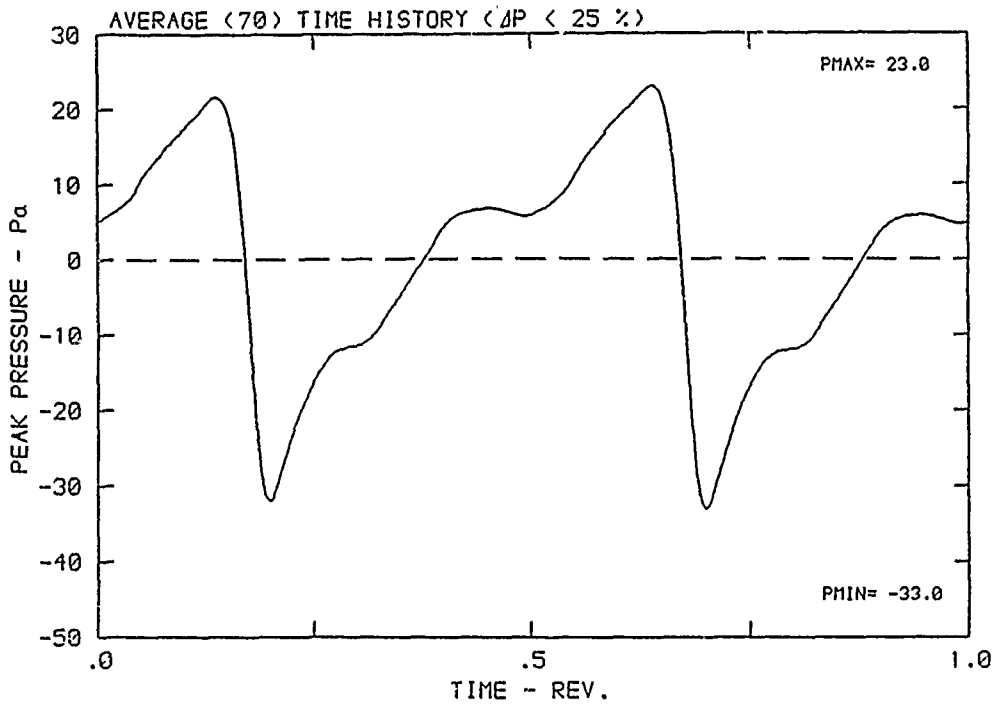
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

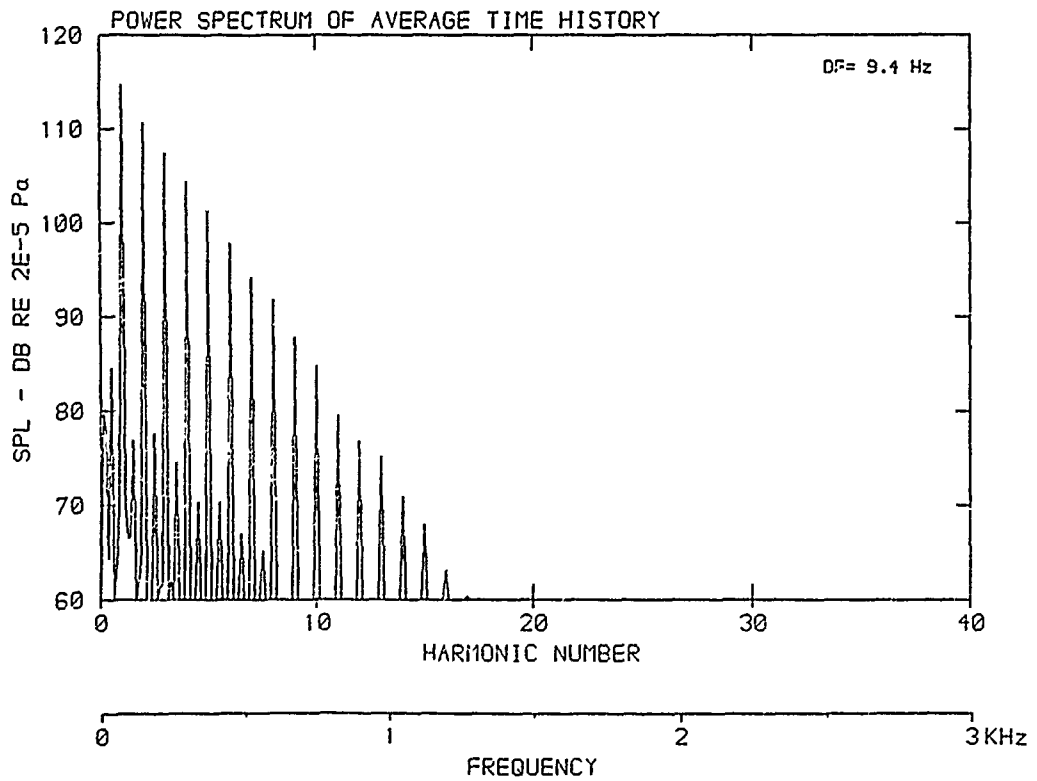




DATA POINT: CN-7 RUN: 99 MP: 4

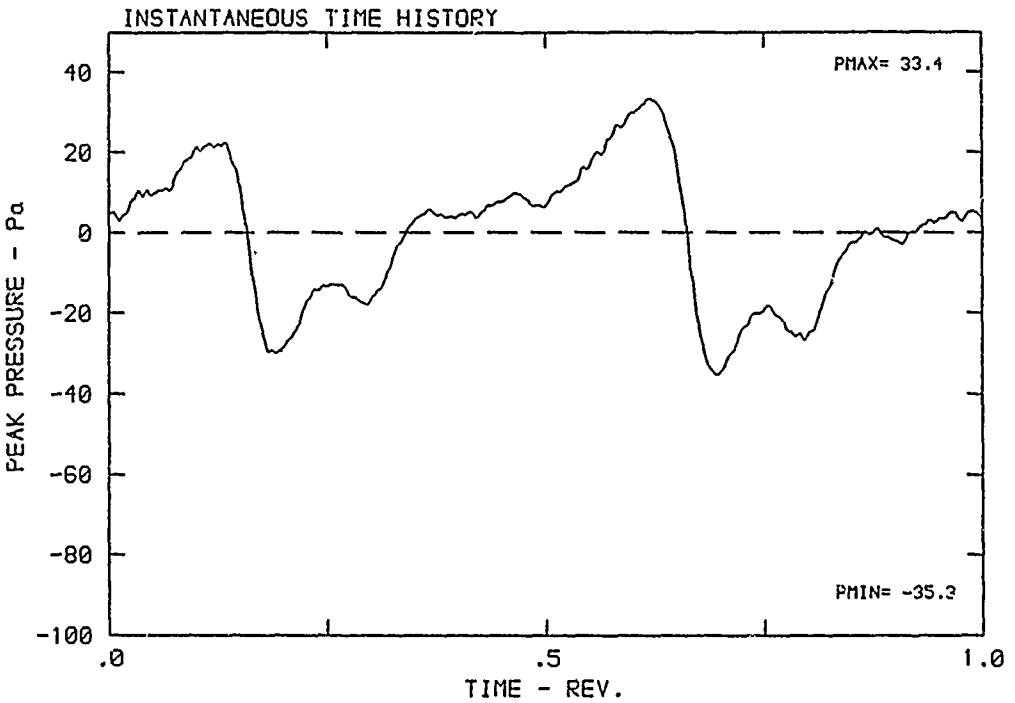
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

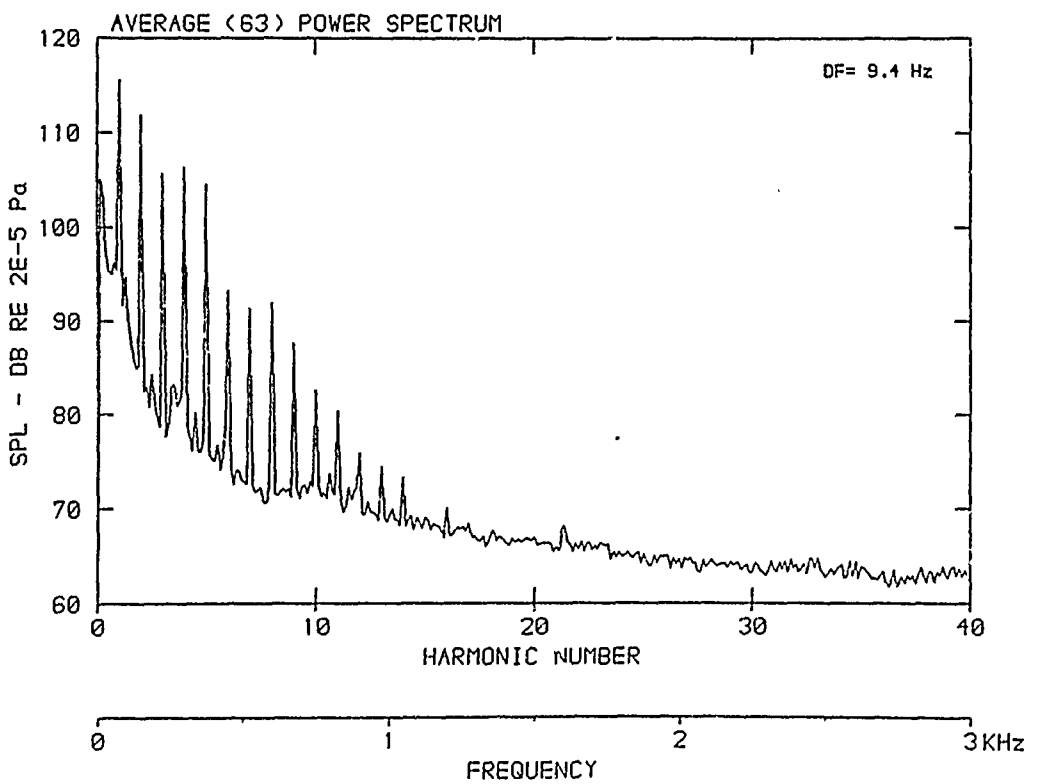




DATA POINT: CN-7 RUN: 99 MP: 5

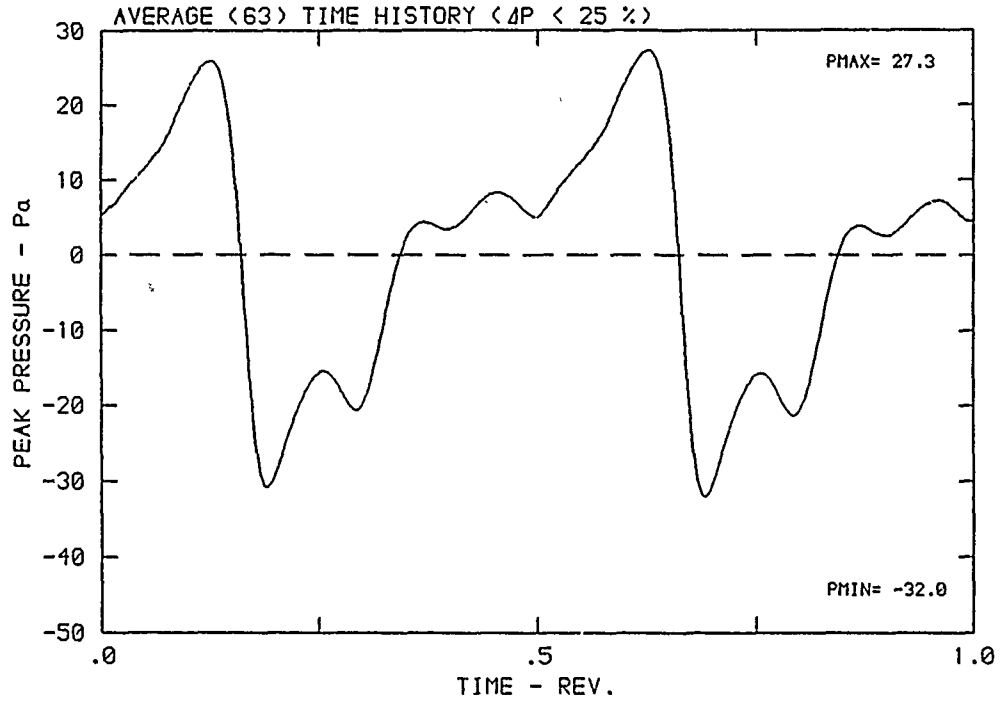
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

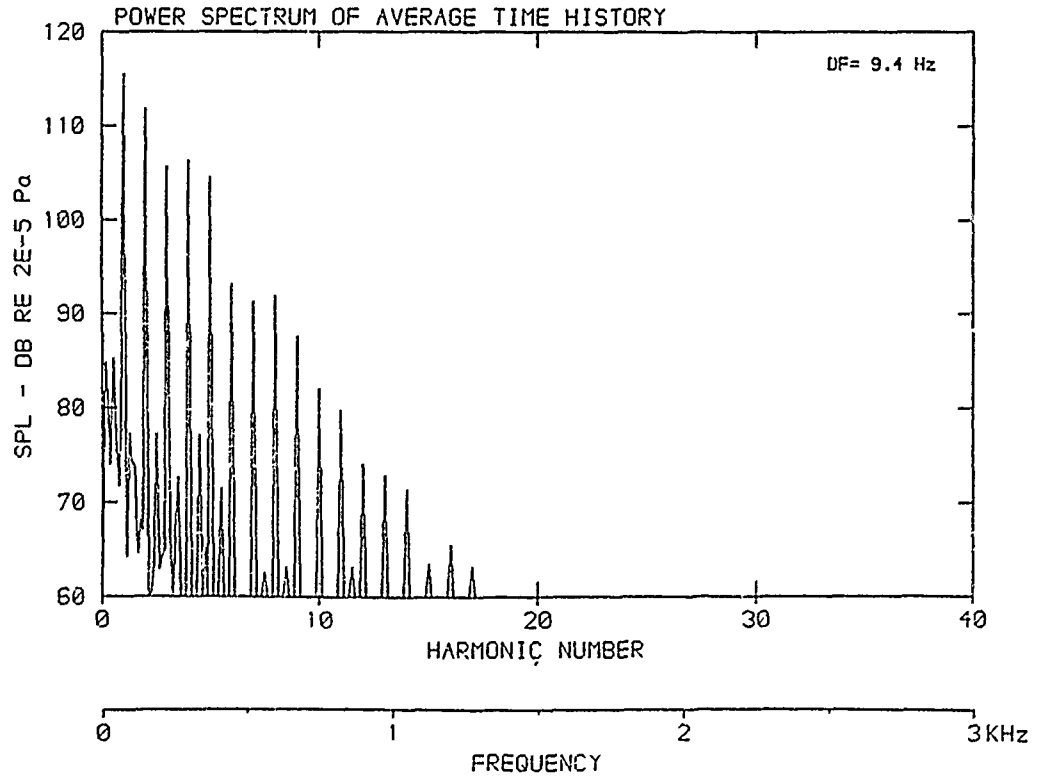




DATA POINT: CN-7 RUN: 99 MP: 5

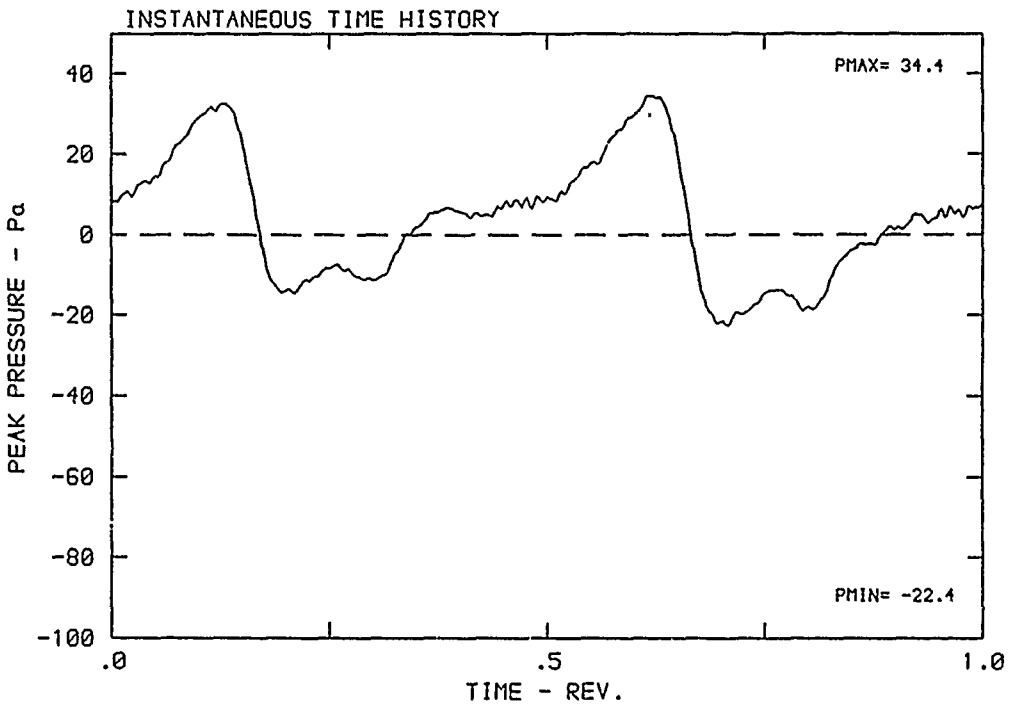
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

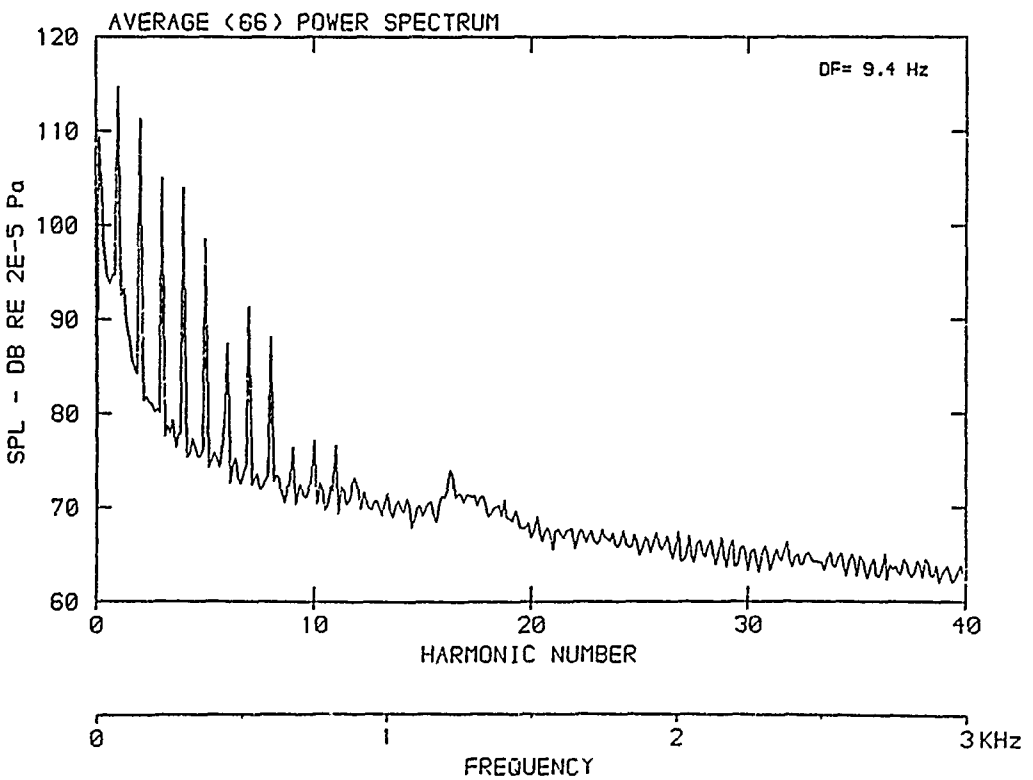




DATA POINT: CN-7	RUN: 99	MP: 6

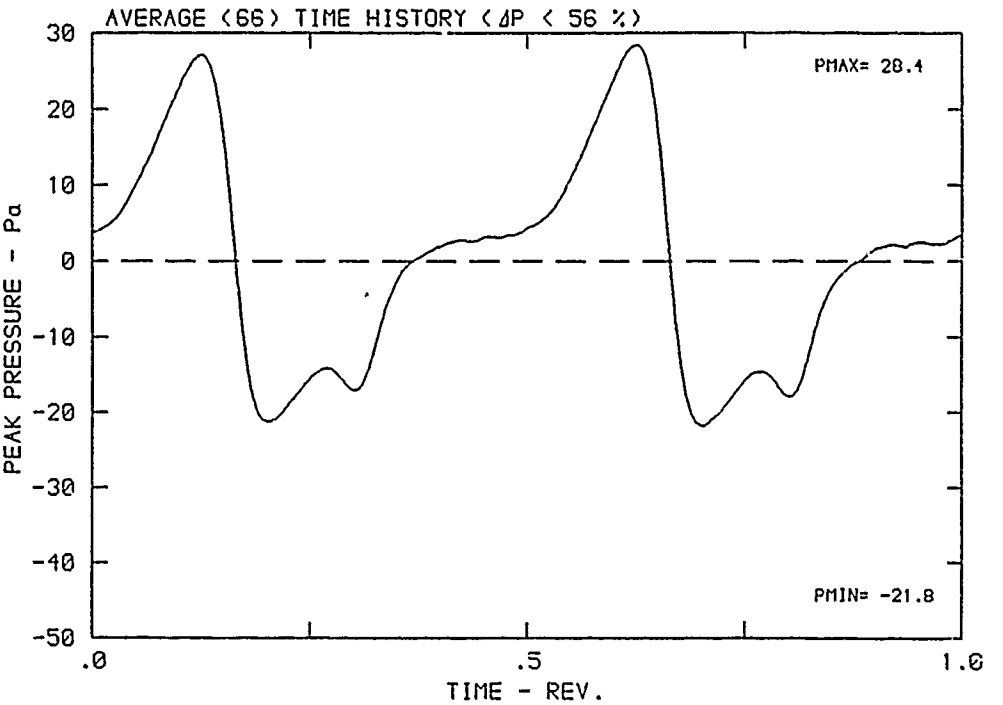
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

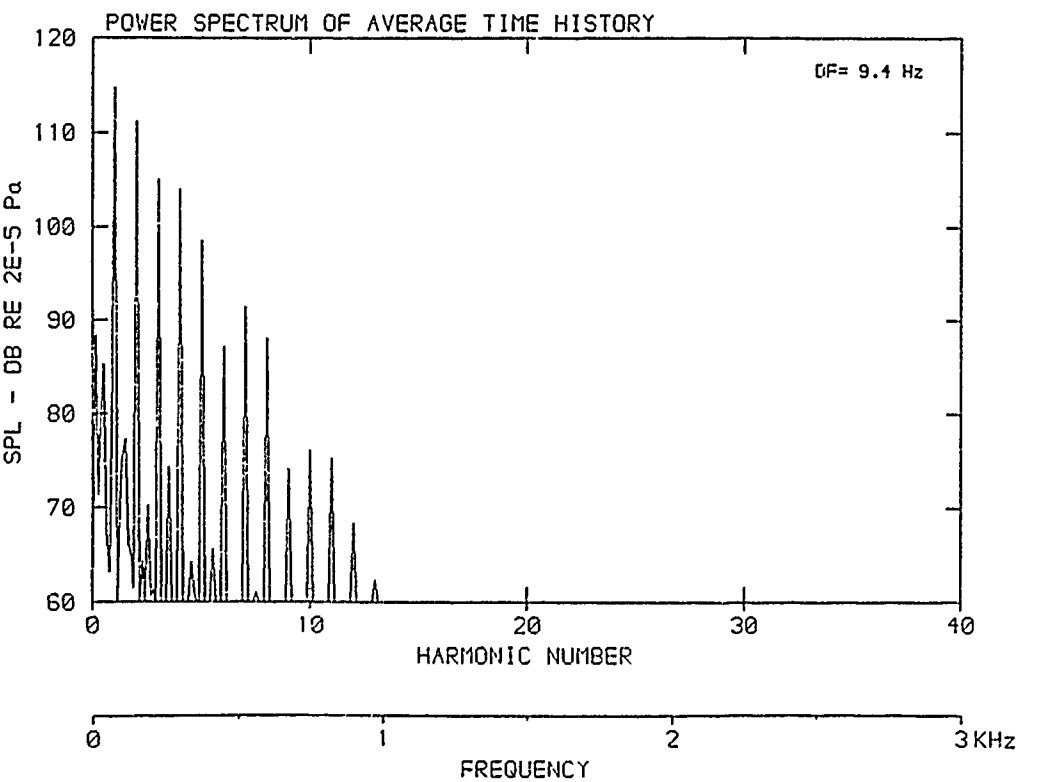




DATA POINT: CN-7	RUN: 99	MP: 6

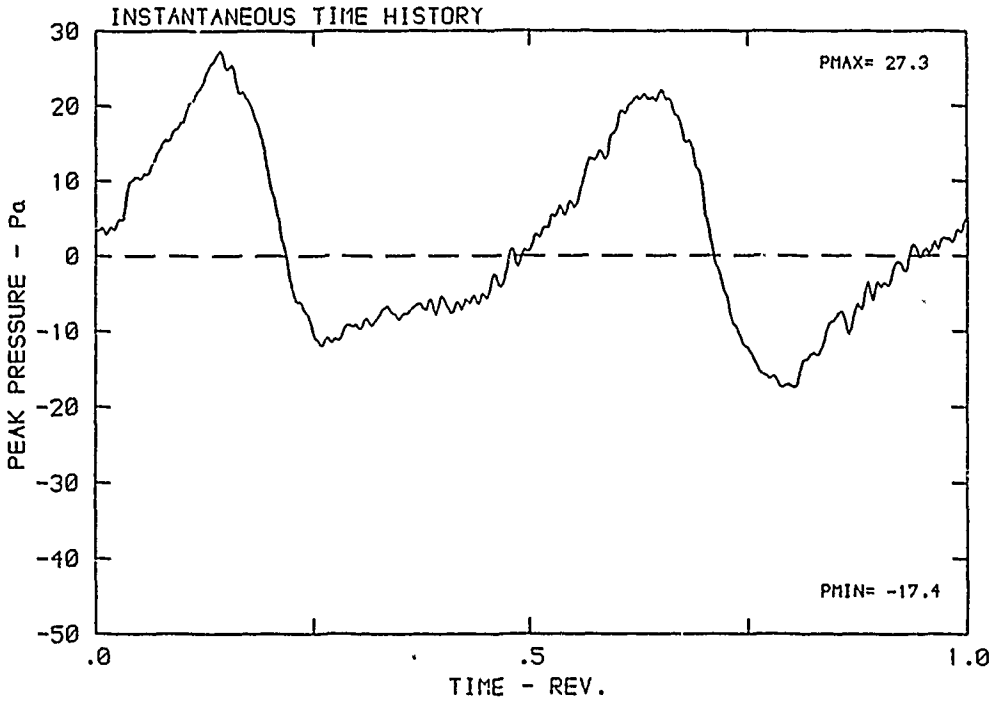
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

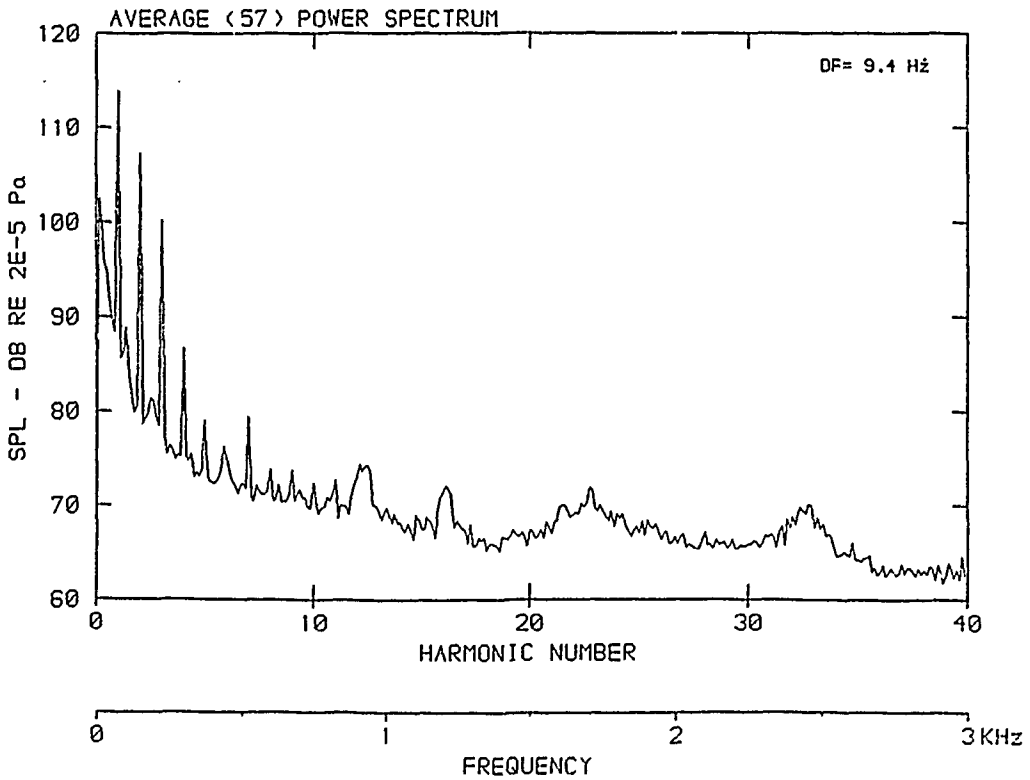




DATA POINT: CN-7 RUN: 99 MP: 7

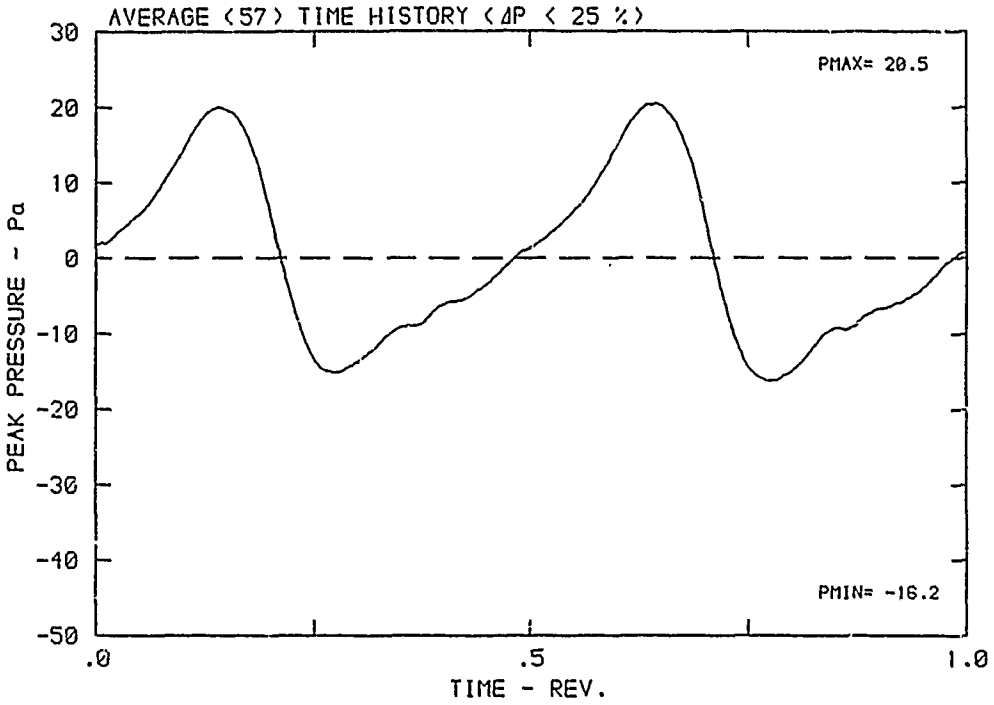
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

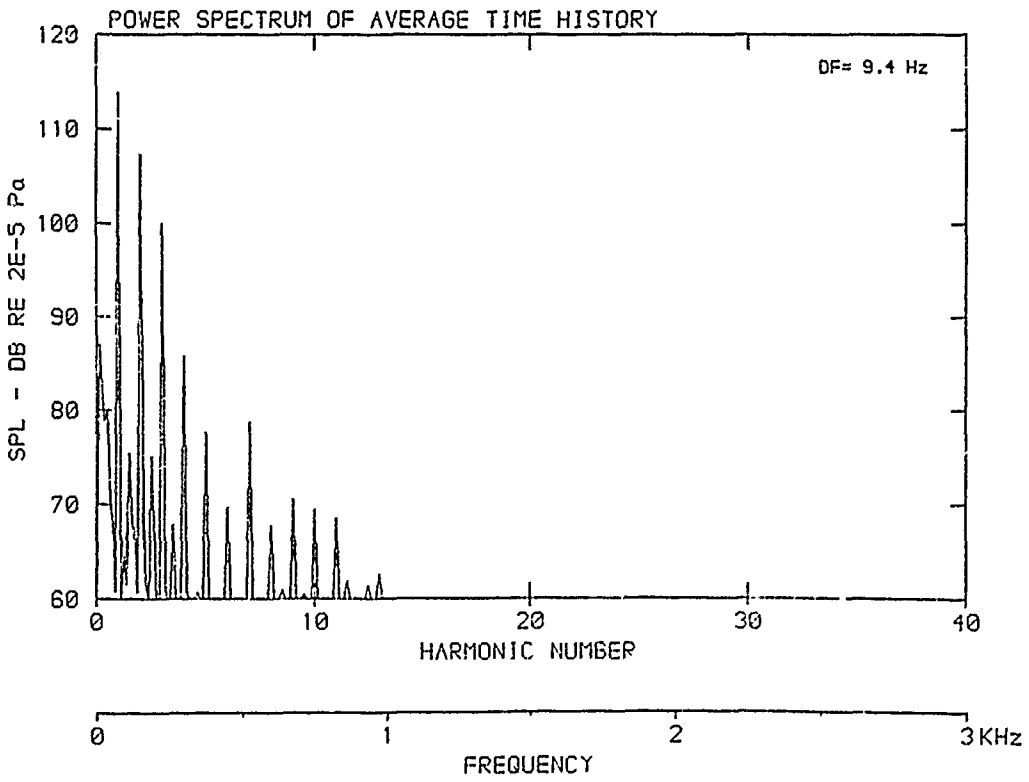




DATA POINT: CN-7 RUN: 99 MP: 7

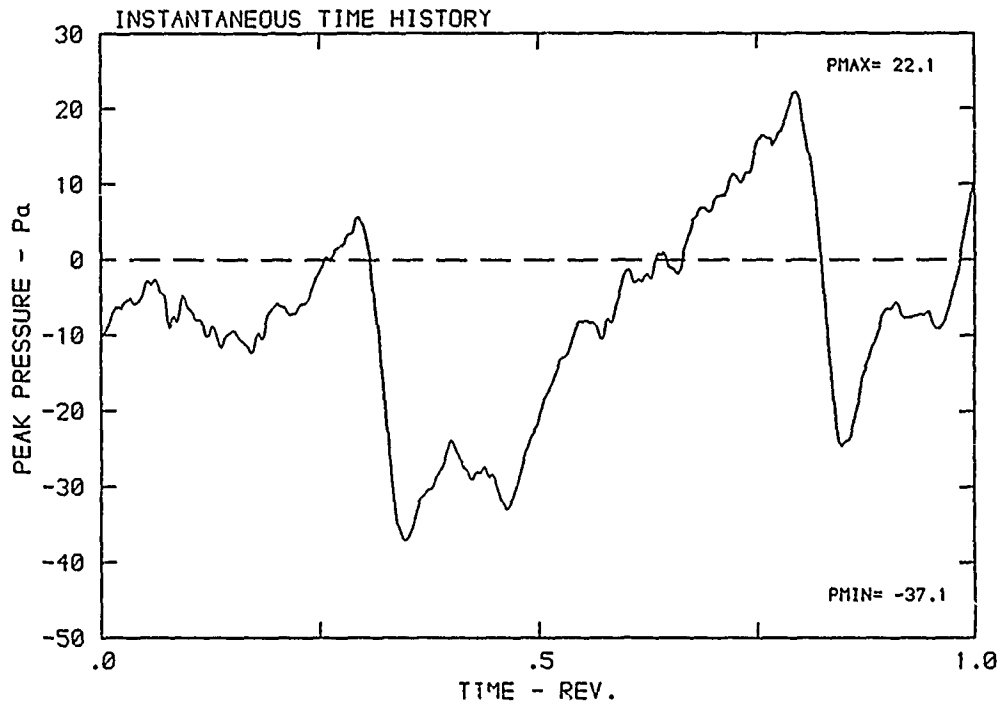
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

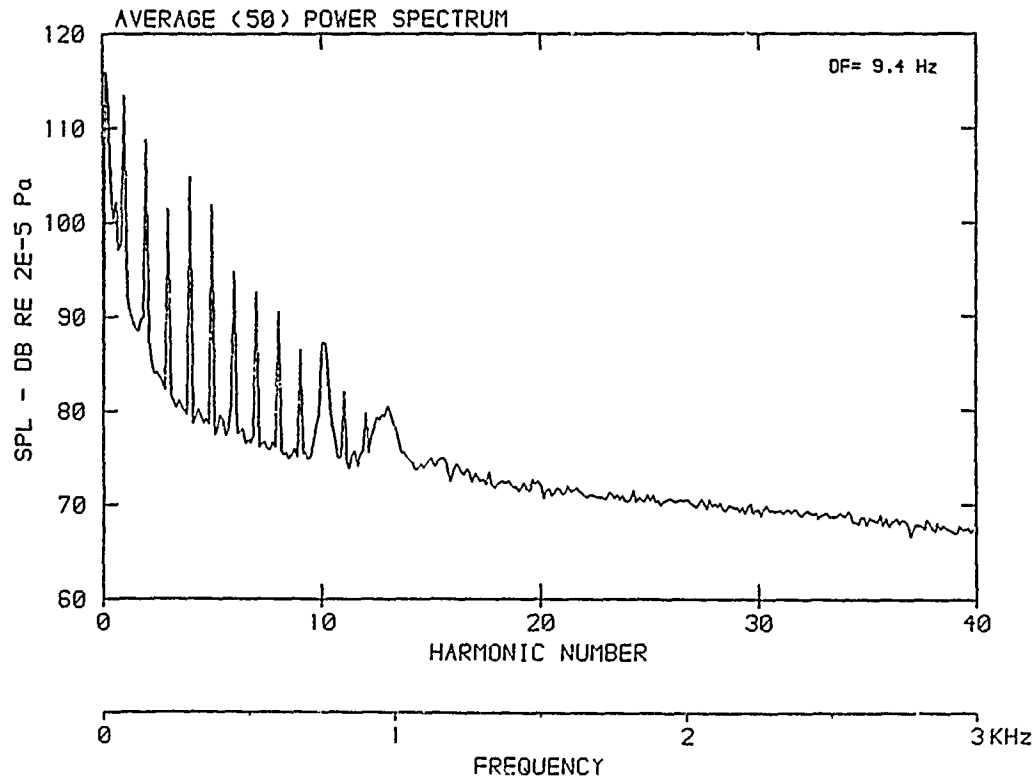




DATA POINT: CN-7 RUN: 99 MP: 9

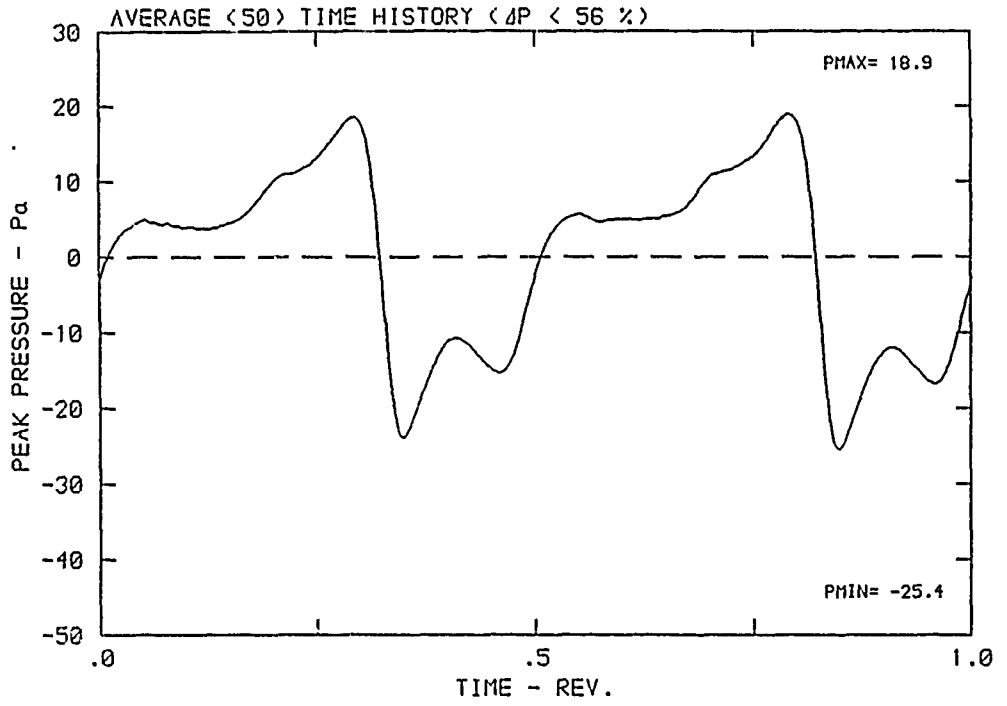
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

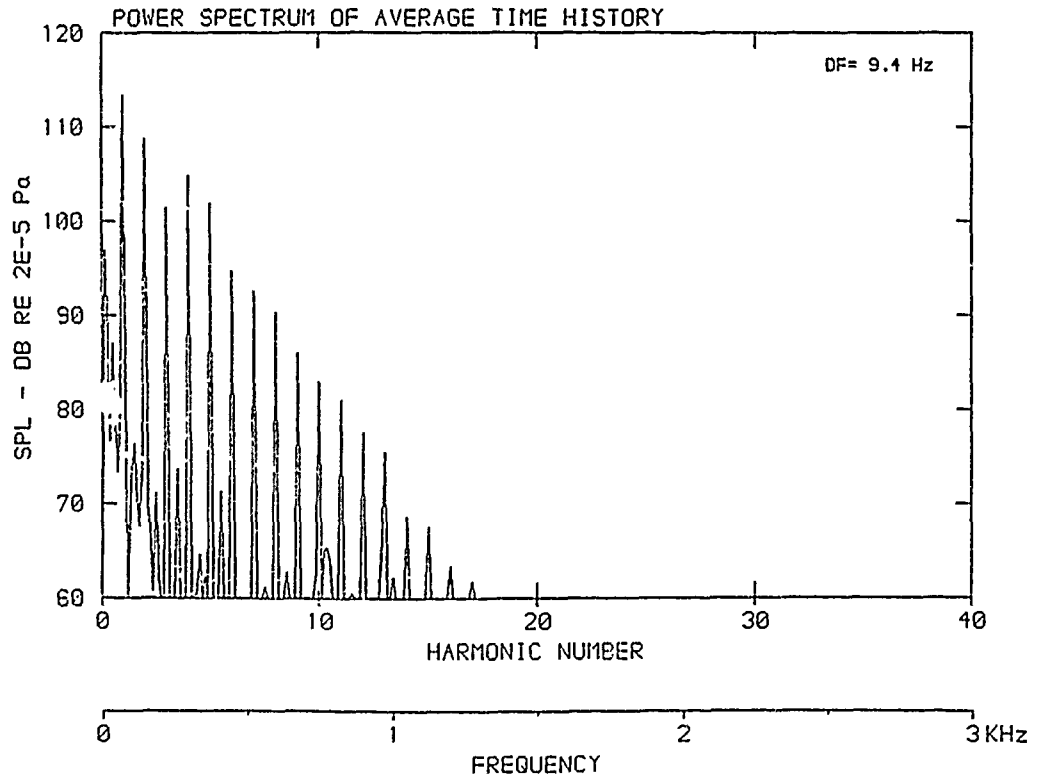




DATA POINT: CN-7 RUN: 99 MP: 9

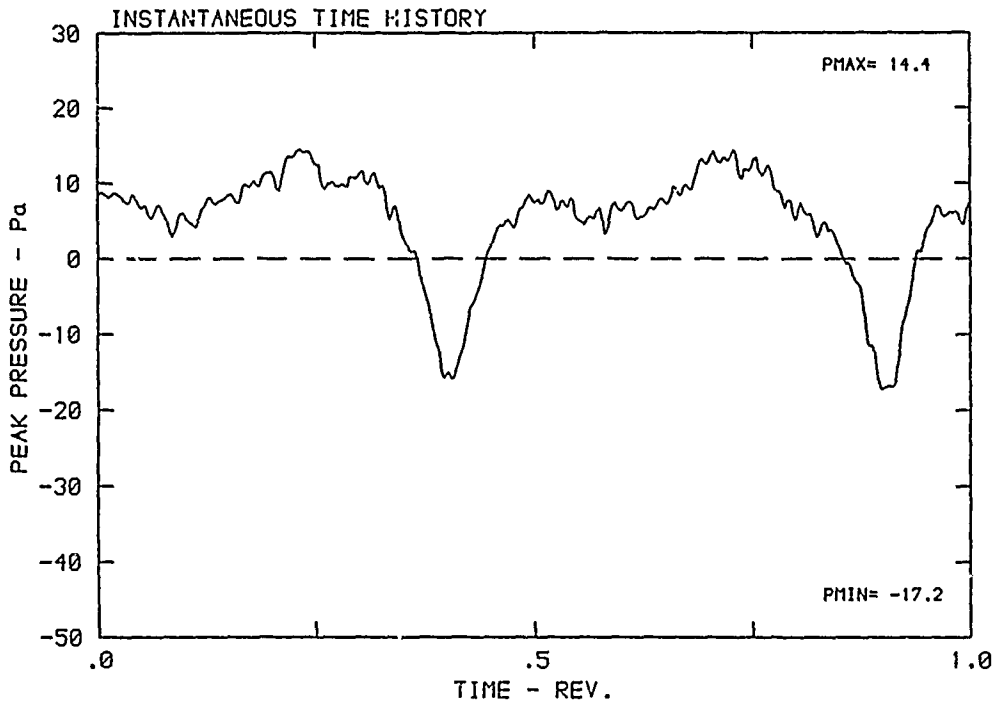
β: 23.7° MH: .7204 n: 2250 rpm v/u: .214 ϕ: .0° T: 287.3 K

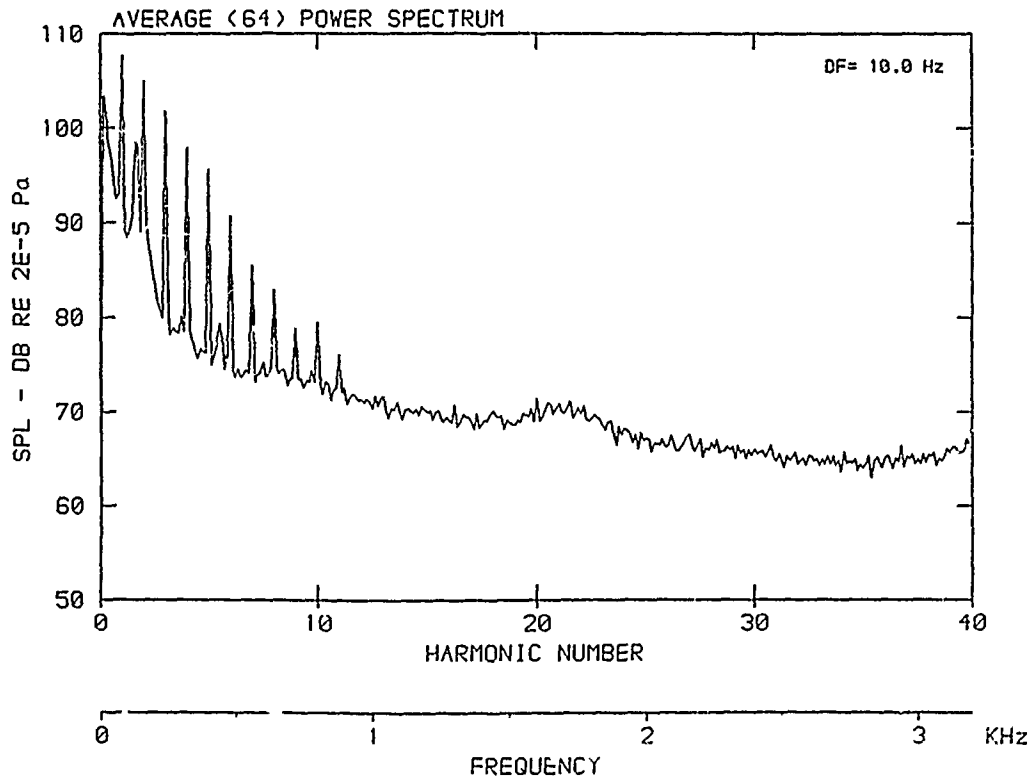




DATA POINT: CN-5 RUN: 98 MP: 1

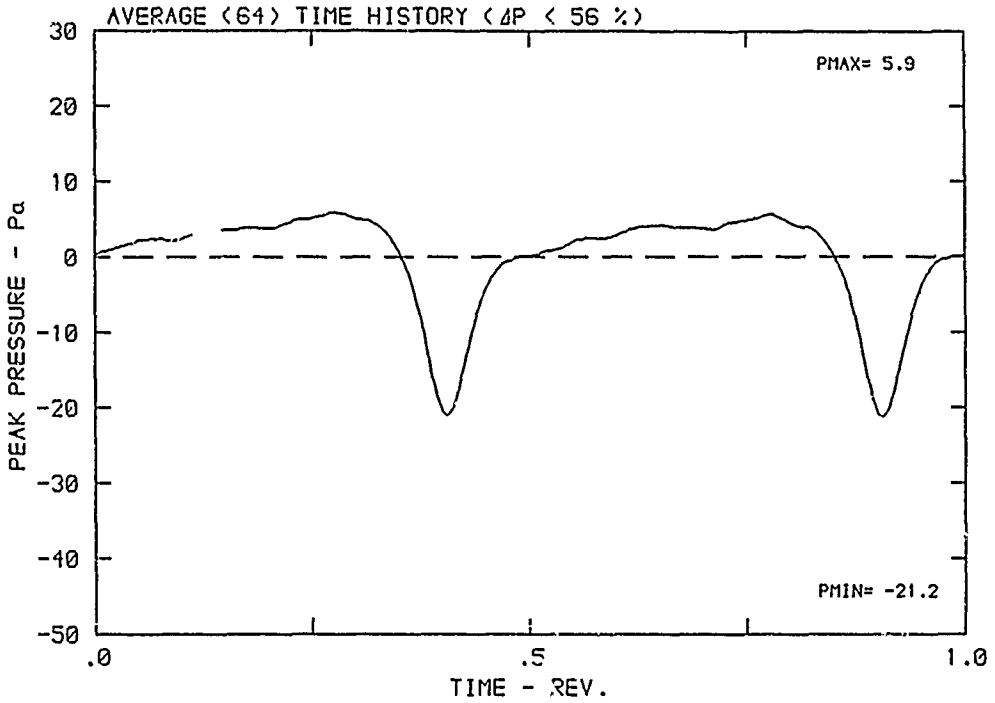
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

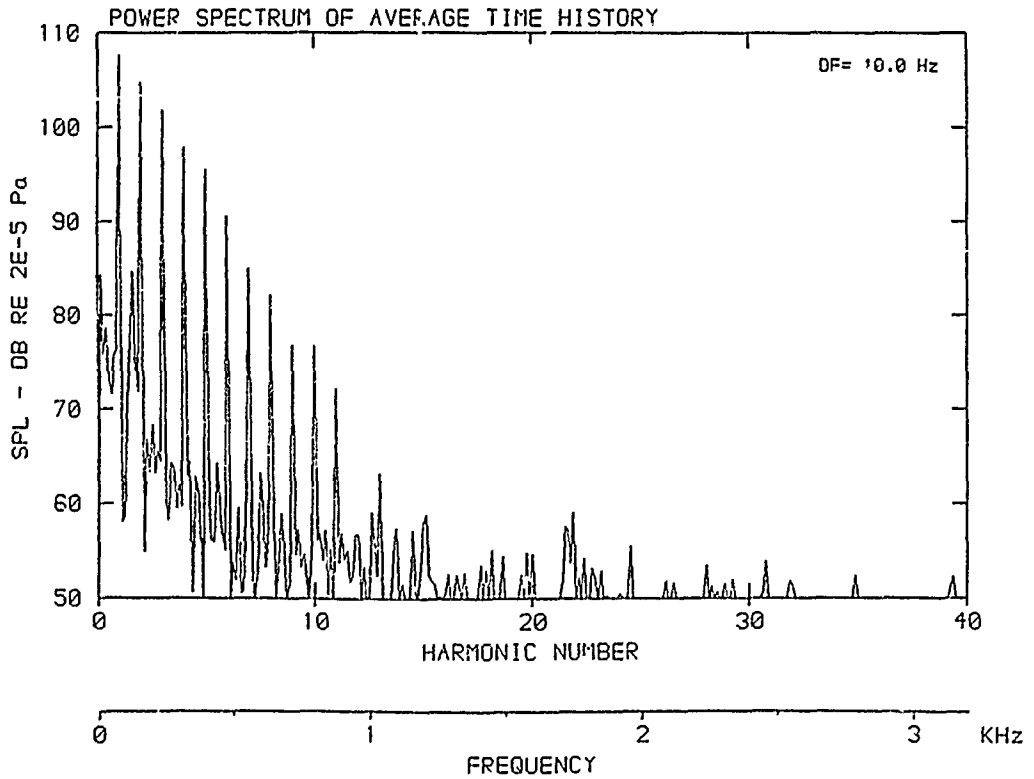




DATA POINT: CN-5 RUN: 98 MP: 1

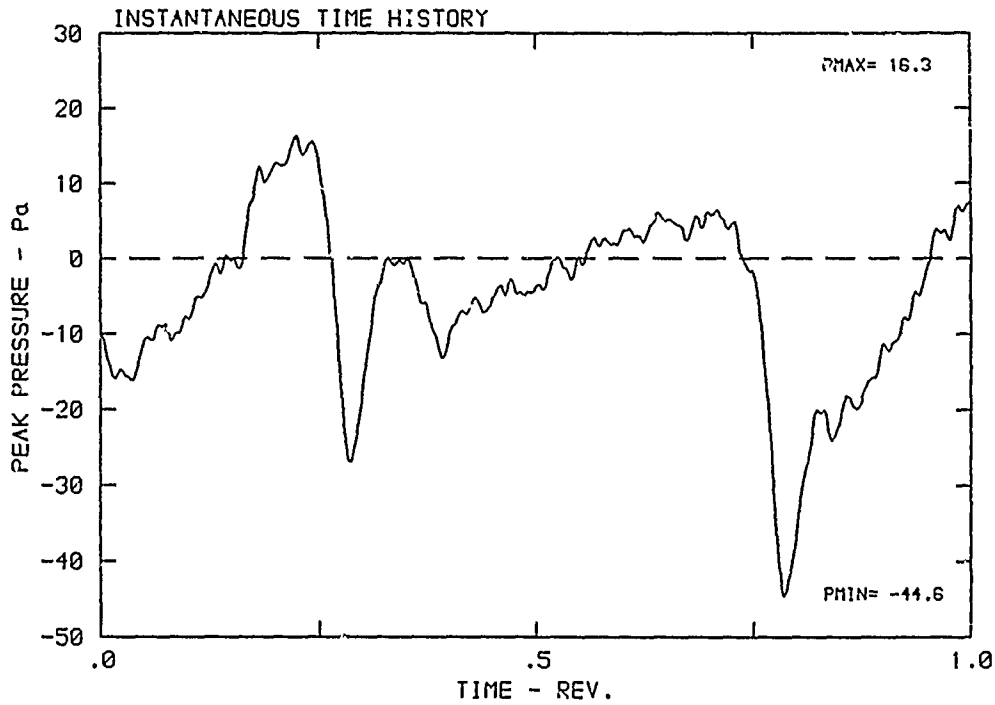
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

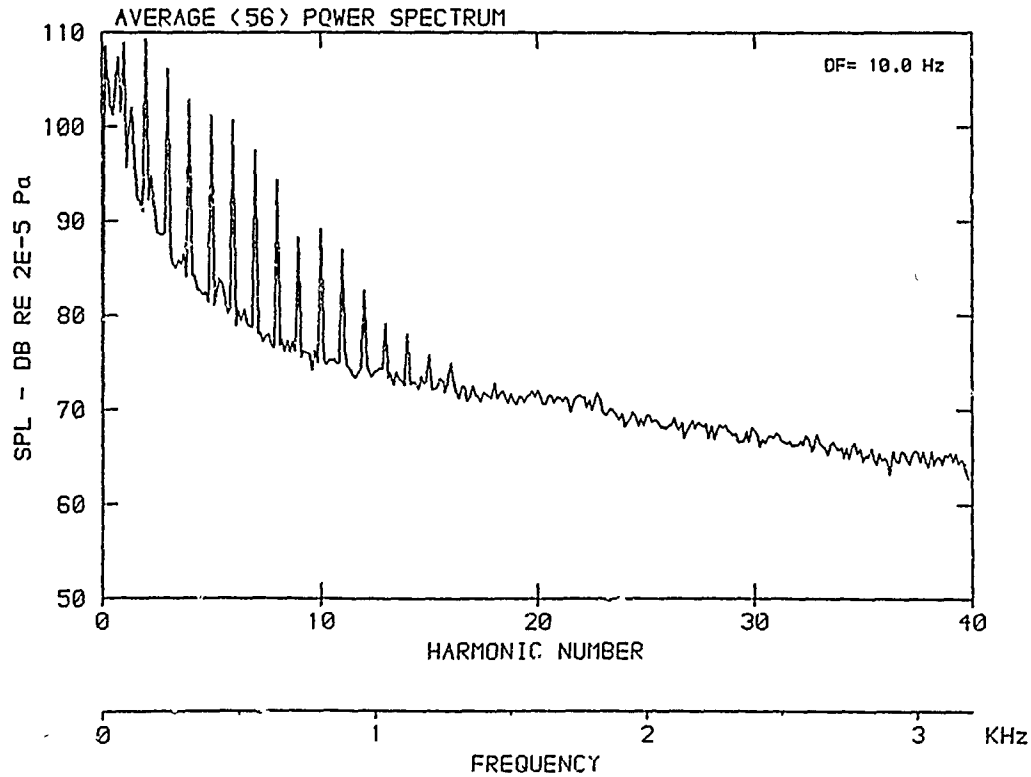




DATA POINT: CN-5 RUN: 98 MP: 2

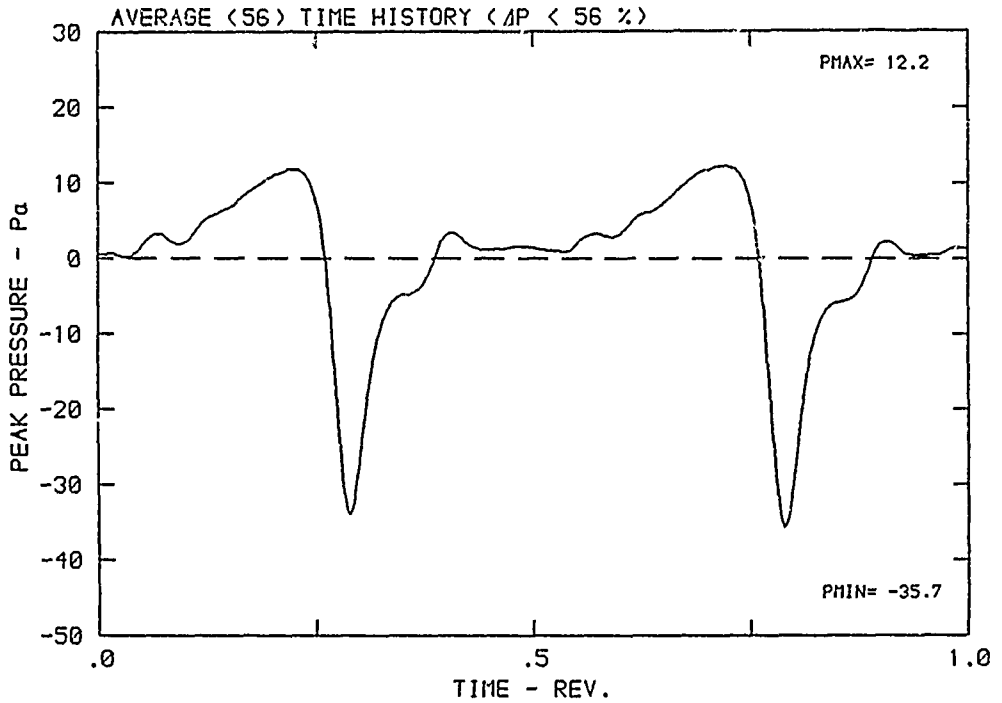
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

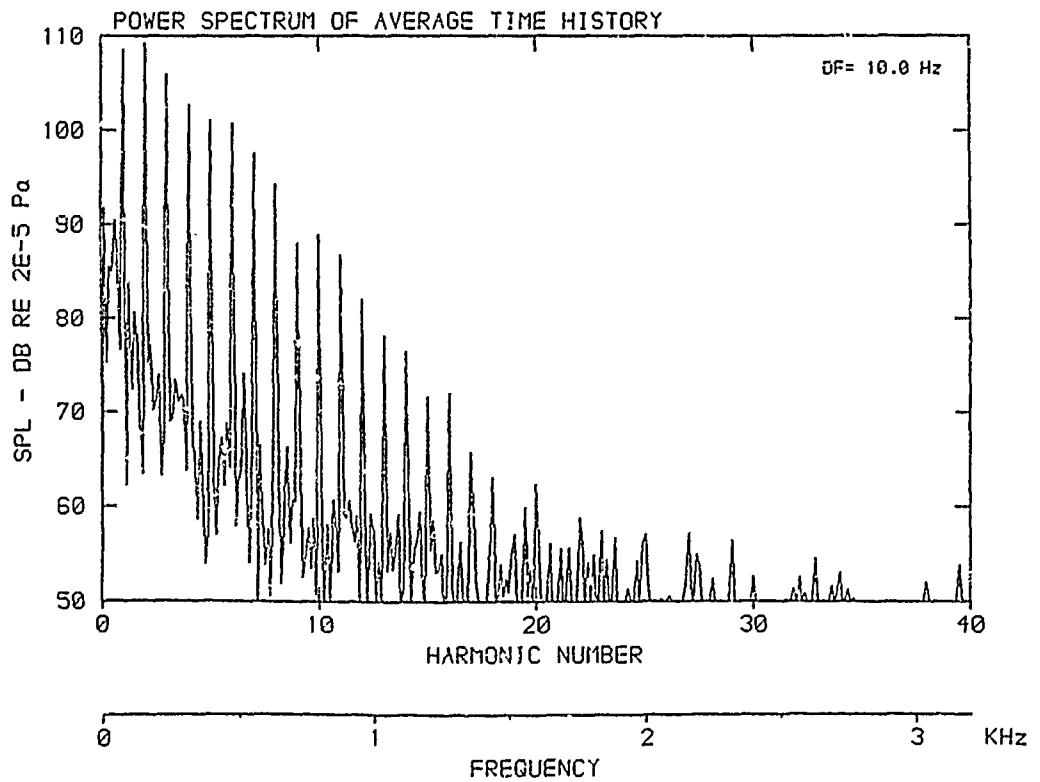




DATA POINT: CN-5 RUN: 98 MP: 2

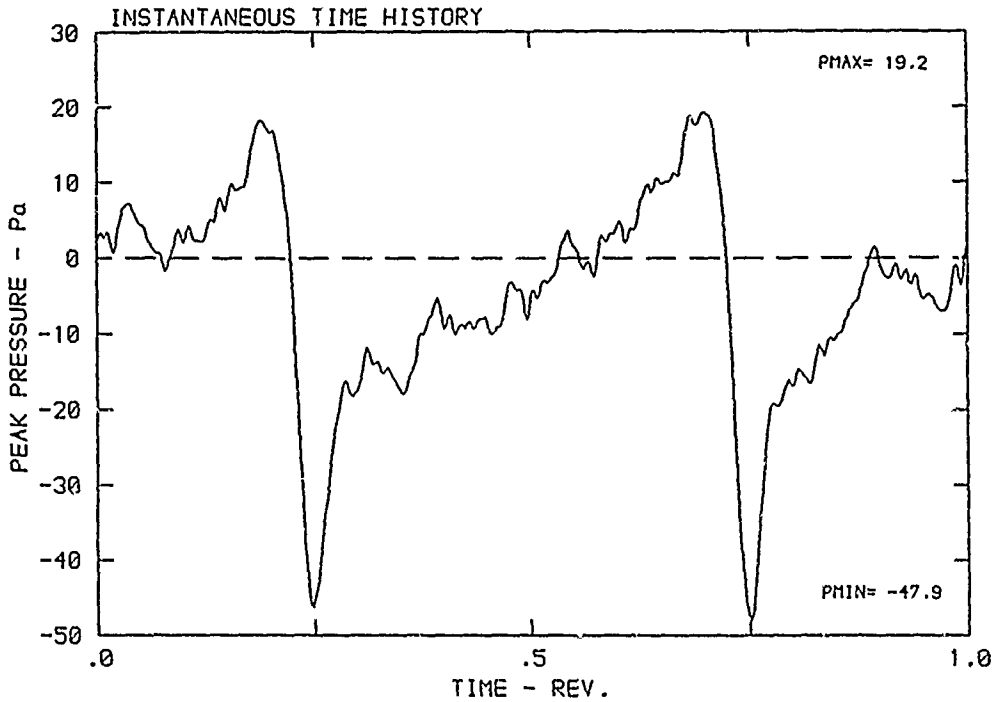
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

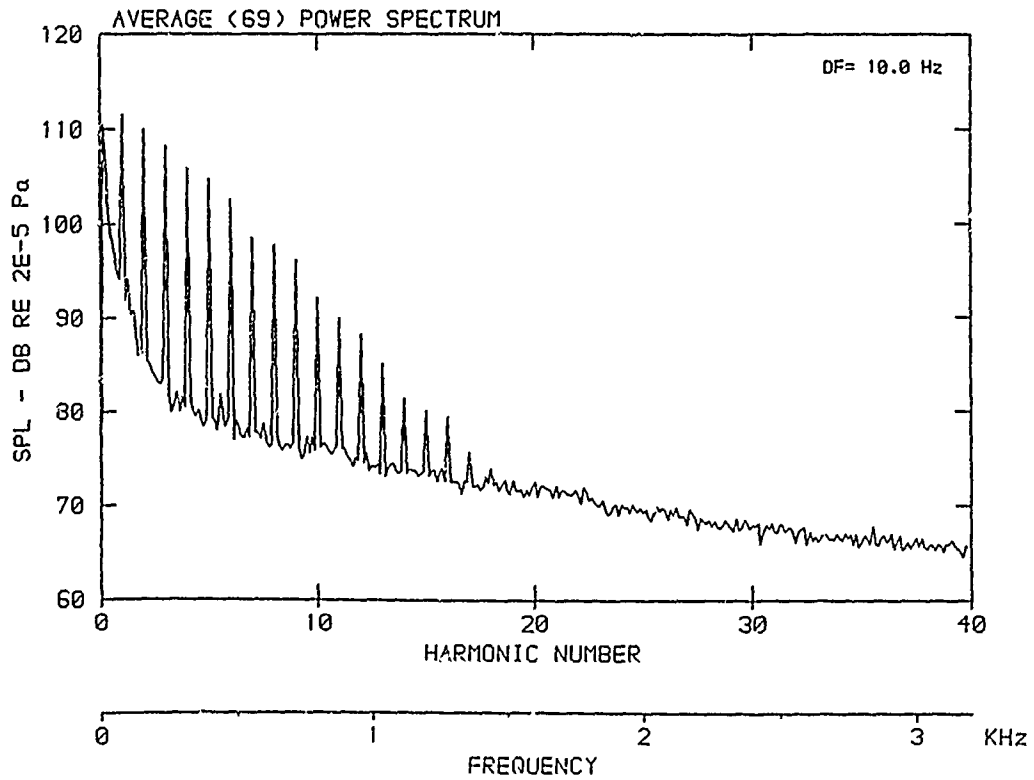




DATA POINT: CN-5 RUN: 98 MP: 3

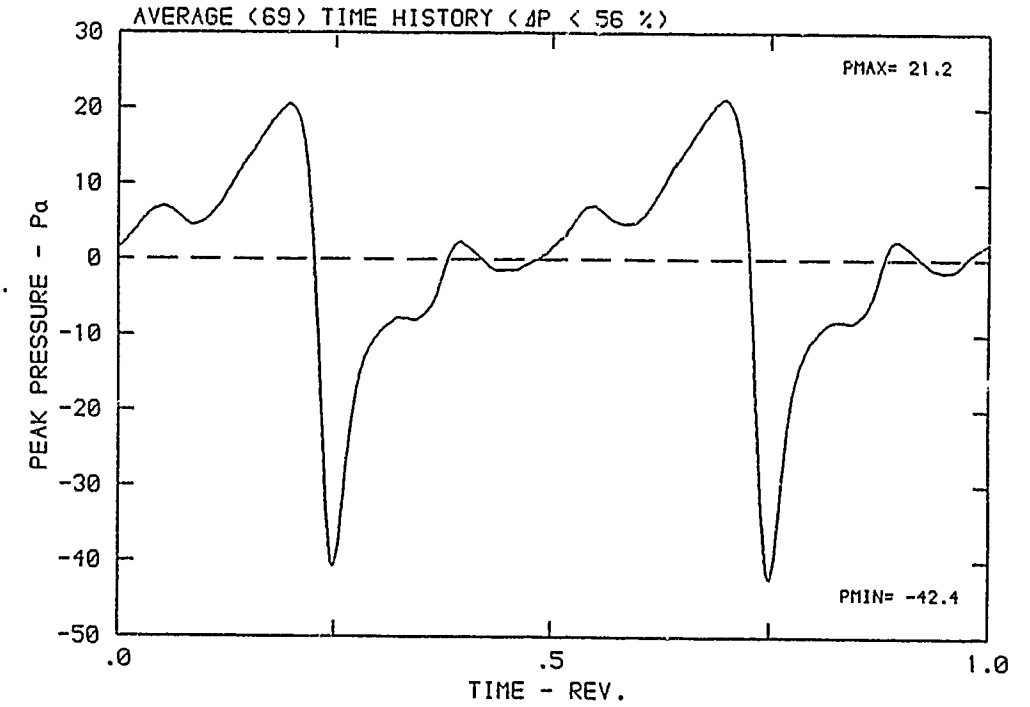
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

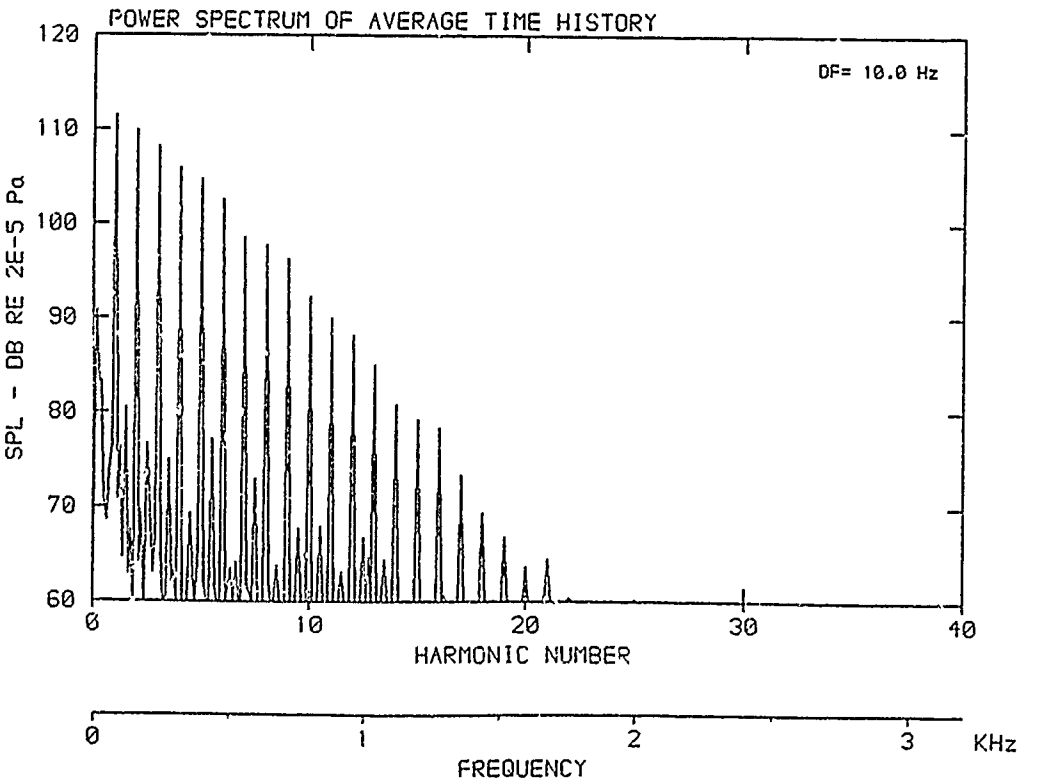




DATA POINT: CN-5 RUN: 98 MP: 3

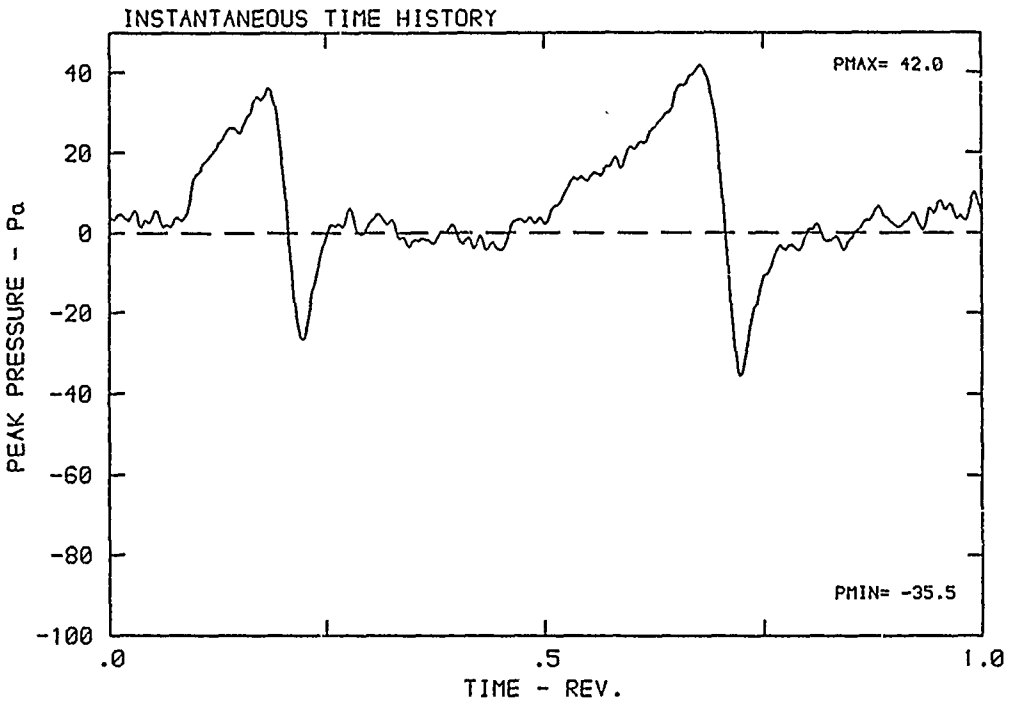
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

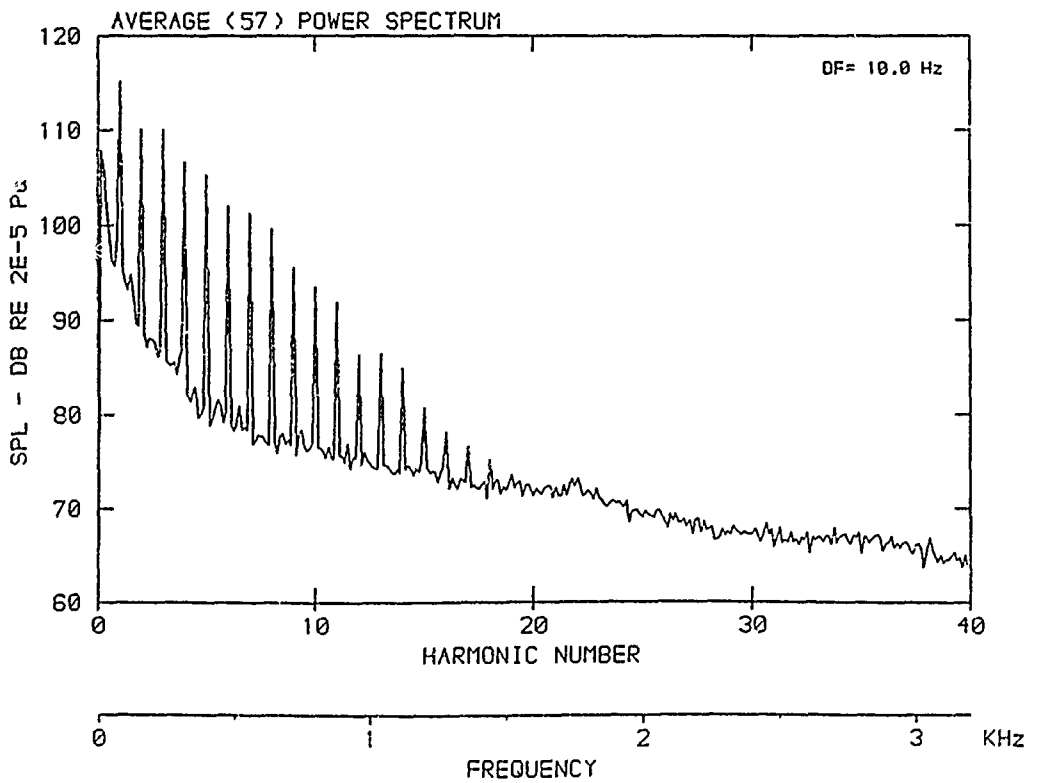




DATA POINT: CN-5	RUN: 98	MP: 4

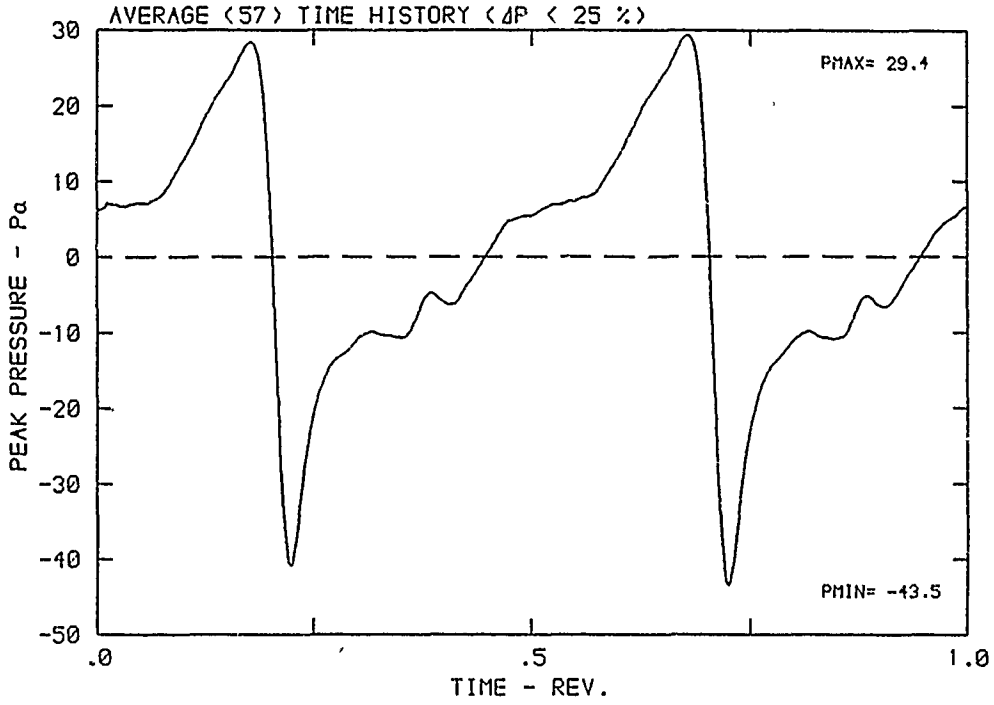
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

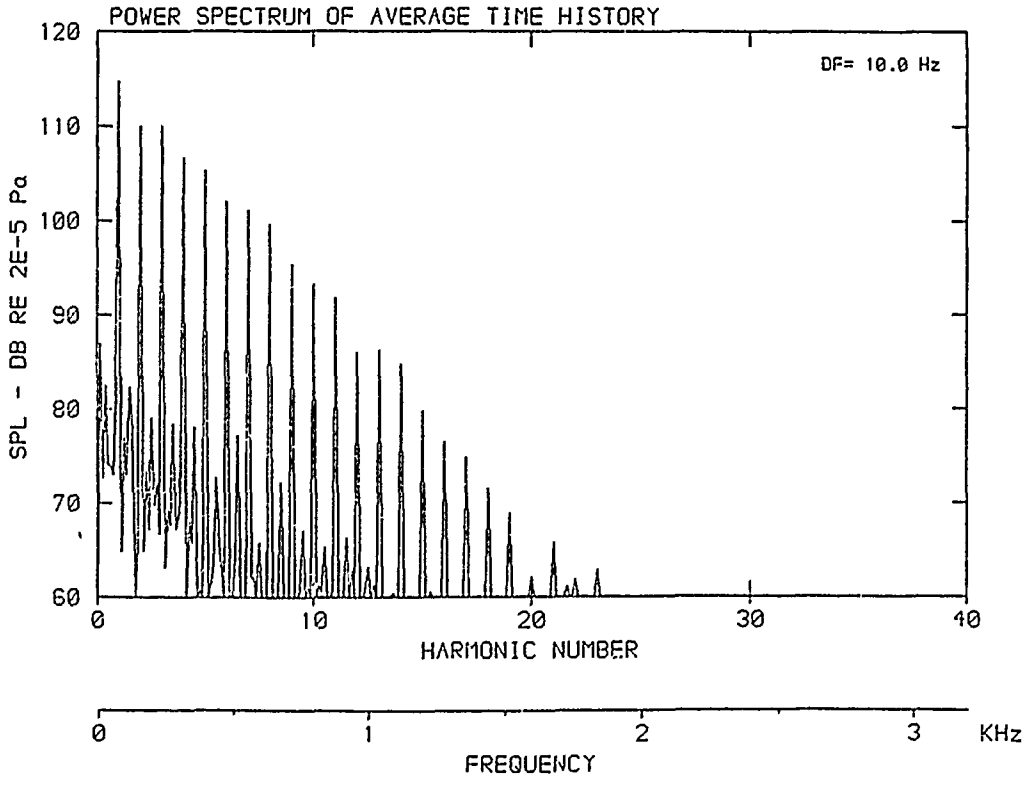




DATA POINT: CN-5 RUN: 98 MP: 4

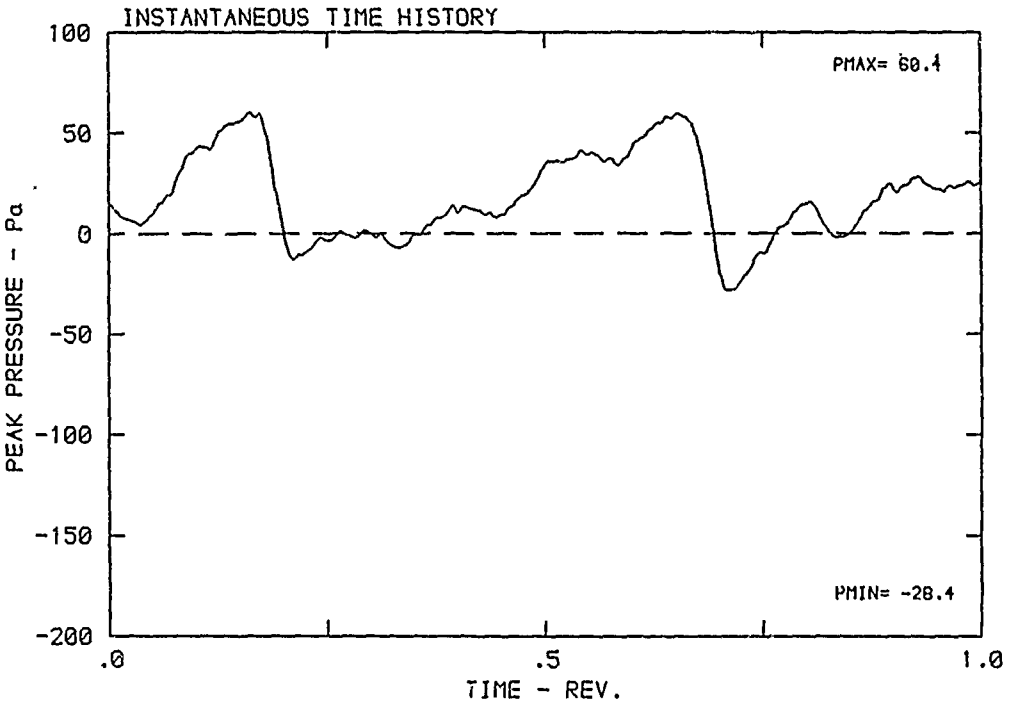
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

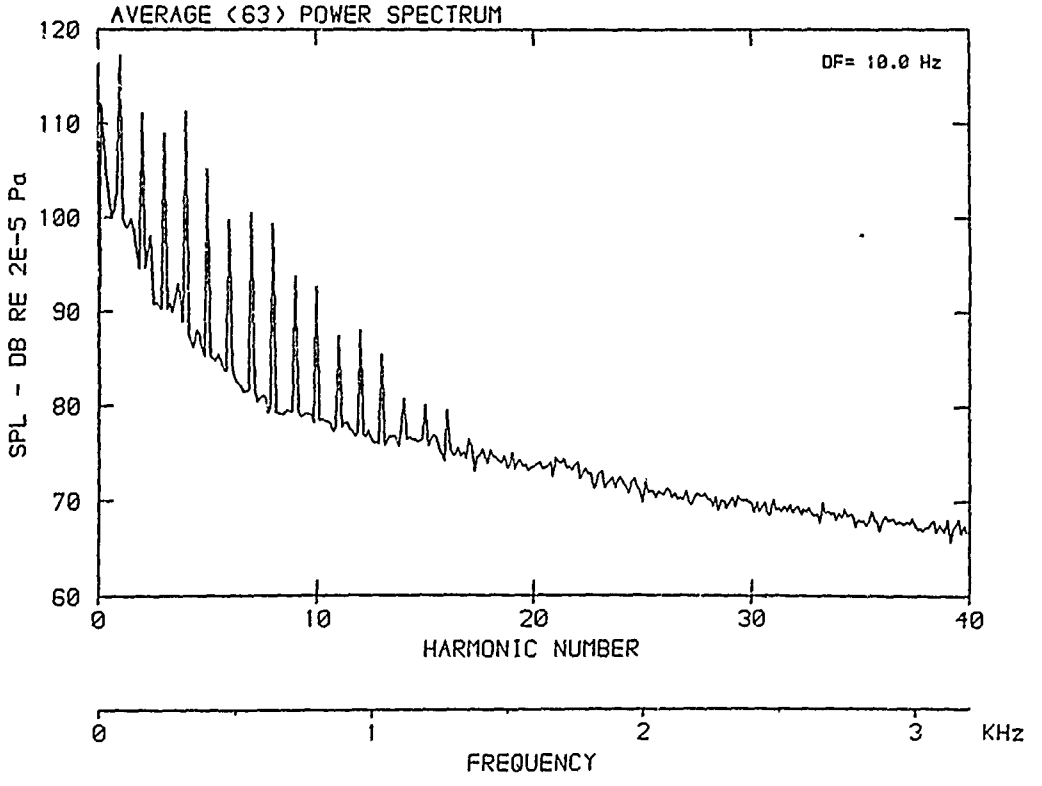




DATA POINT: CN-5 RUN: 98 MP: 5

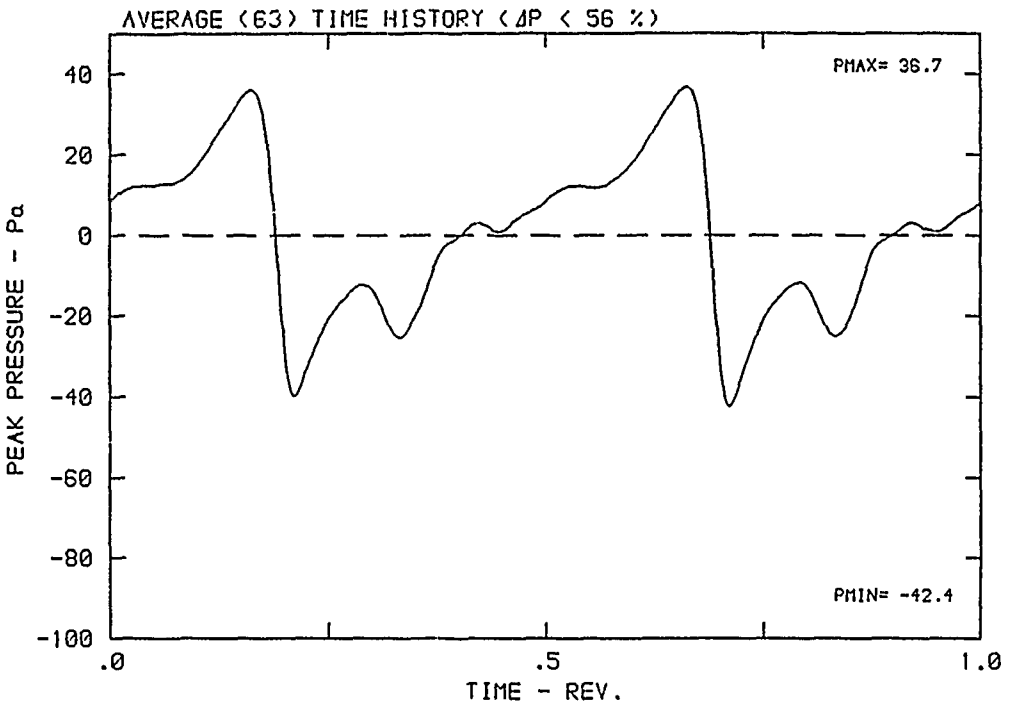
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

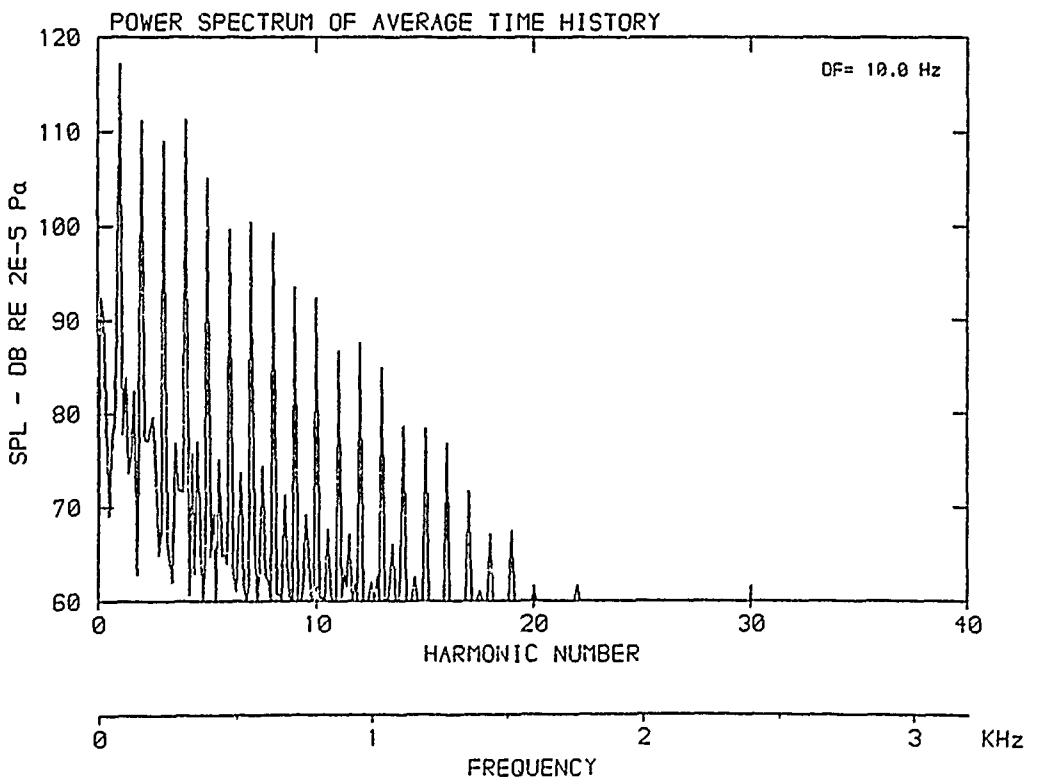




DATA POINT: CN-5	RUN: 98	MP: 5

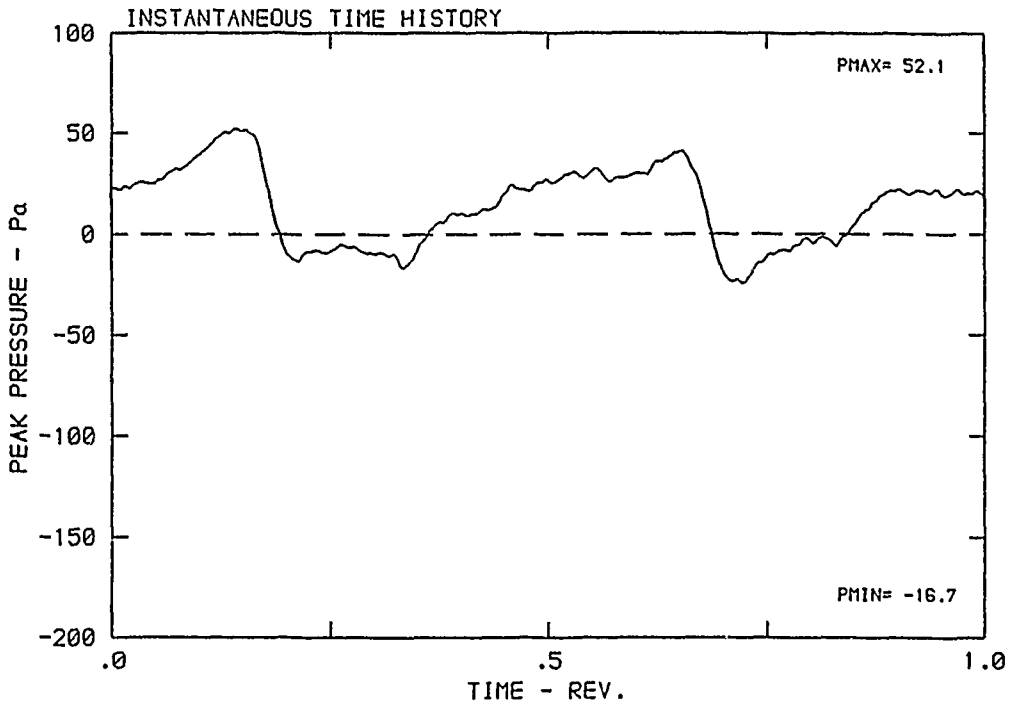
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

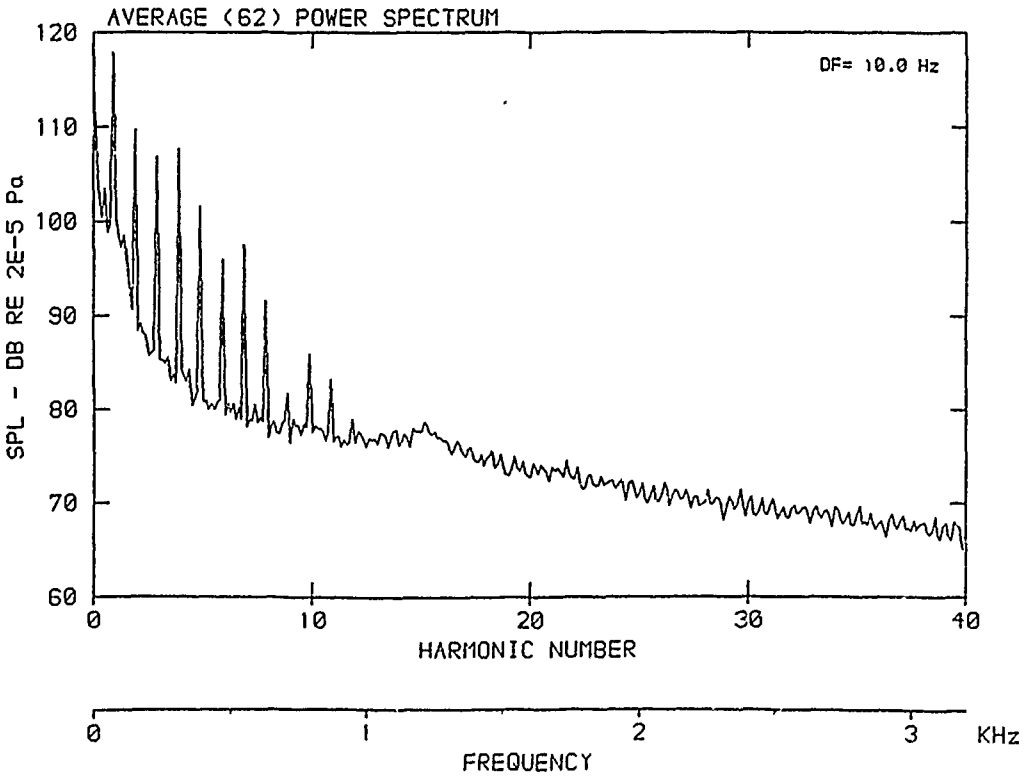




DATA POINT: CN-5	RUN: 98	MP: 6

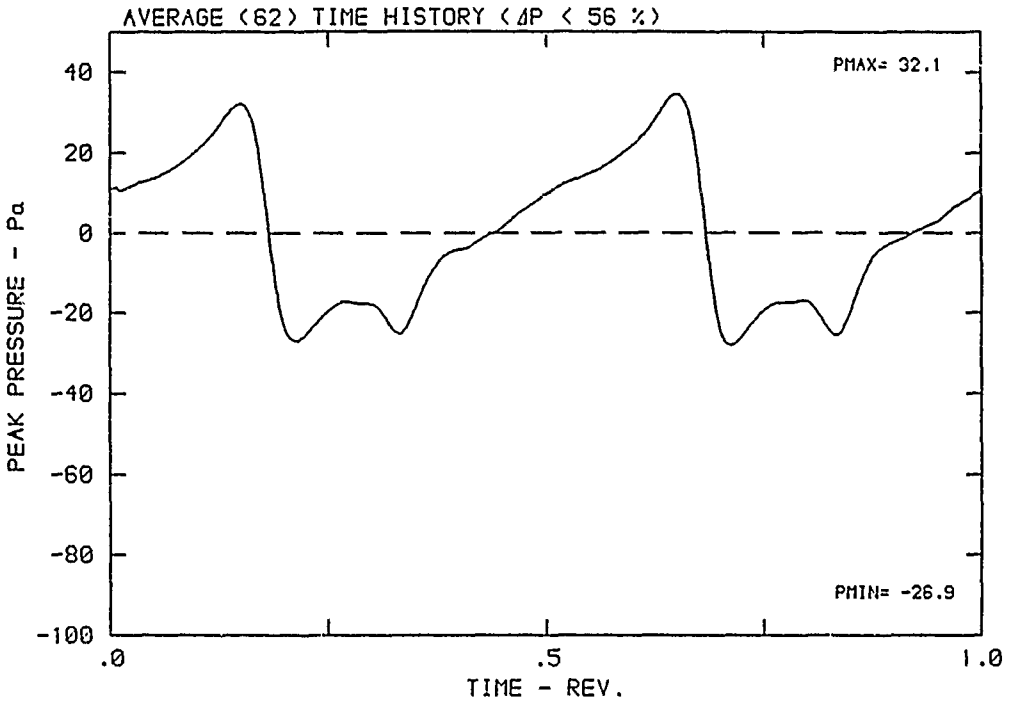
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 237.0 K

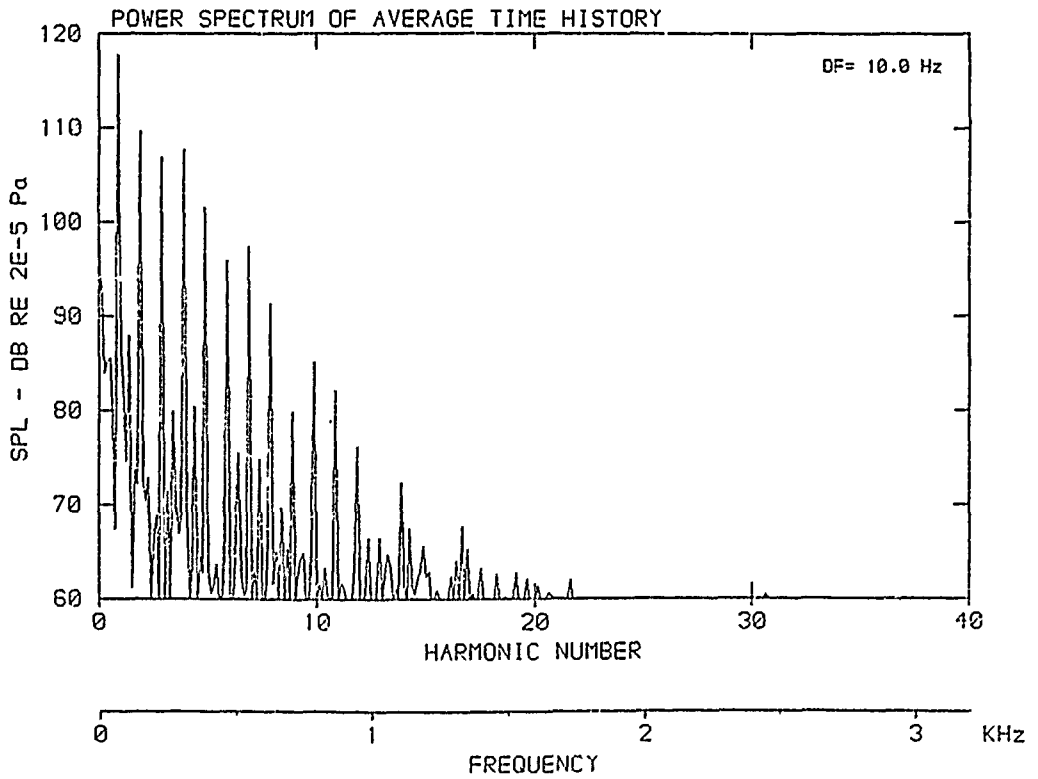




DATA POINT: CN-5	RUN: 98	MP: 6

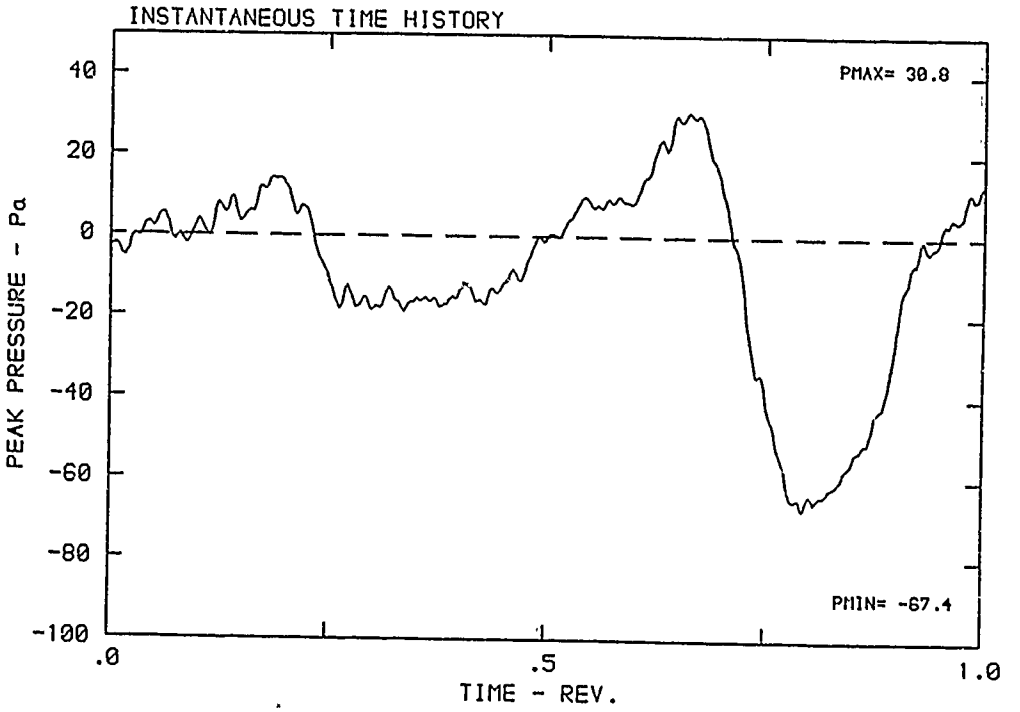
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

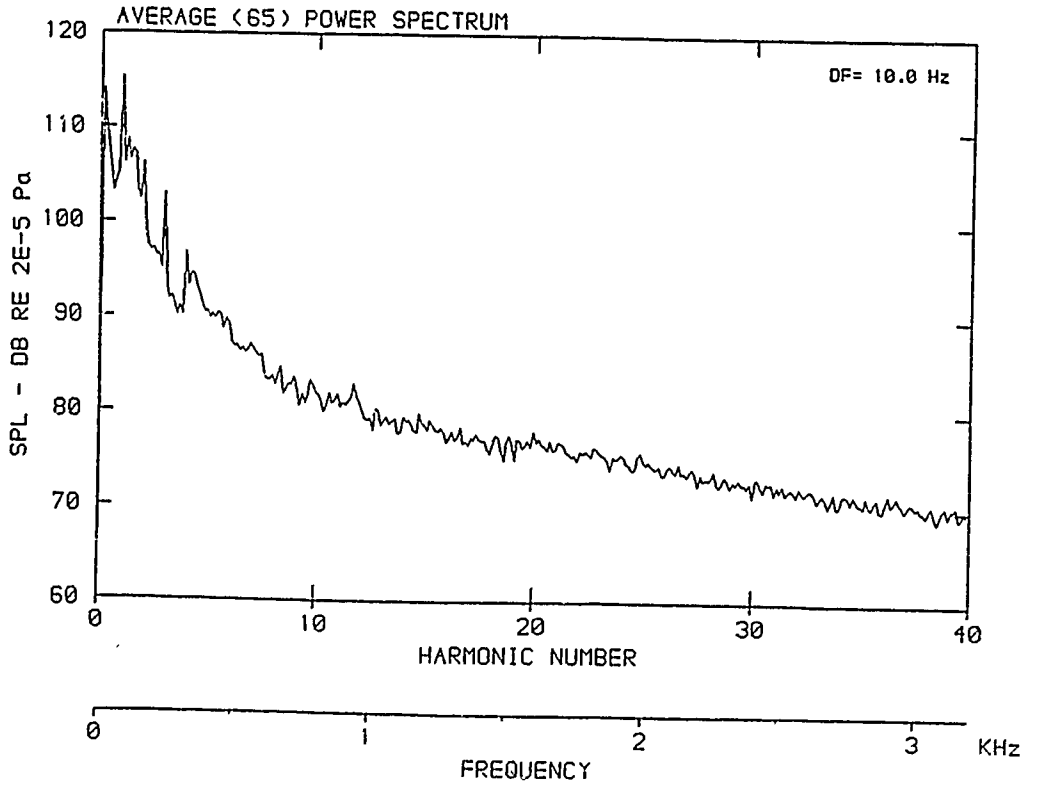




DATA POINT: CN-5 RUN: 98 MP: 7

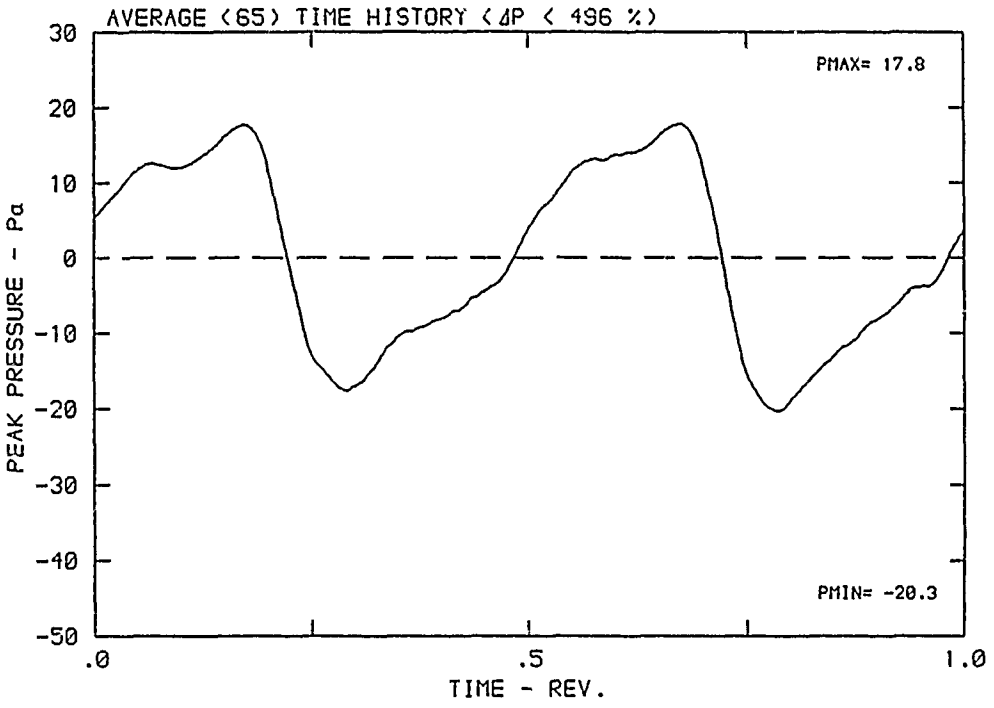
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

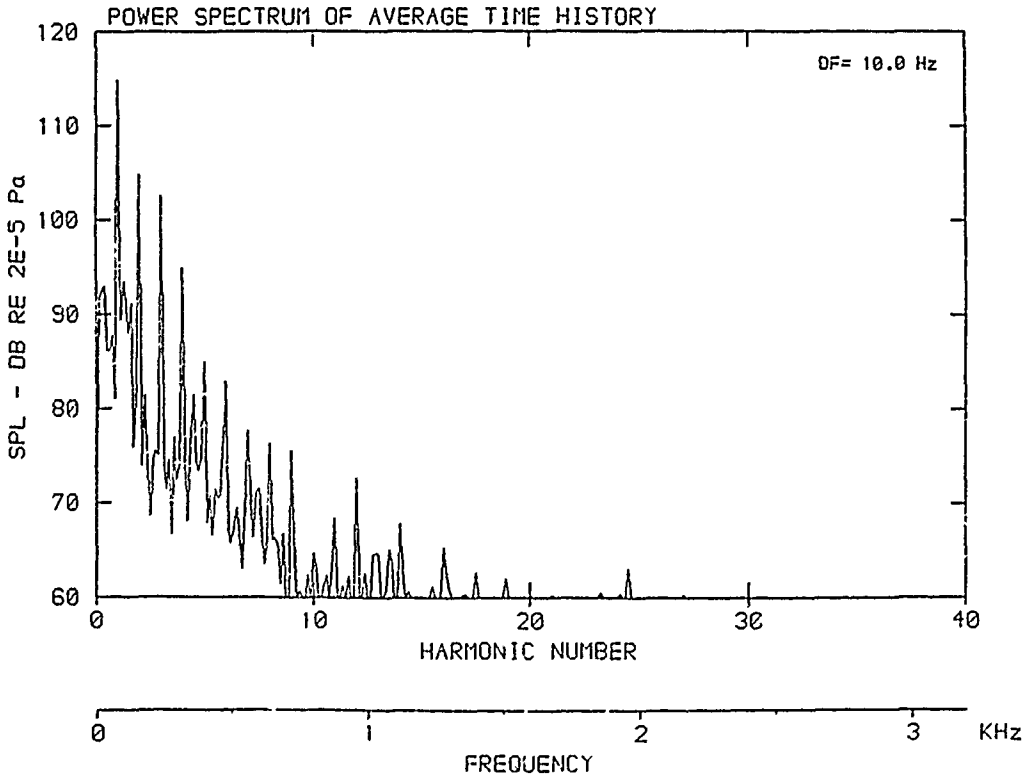




DATA POINT: CN-5 RUN: 98 MP: 7

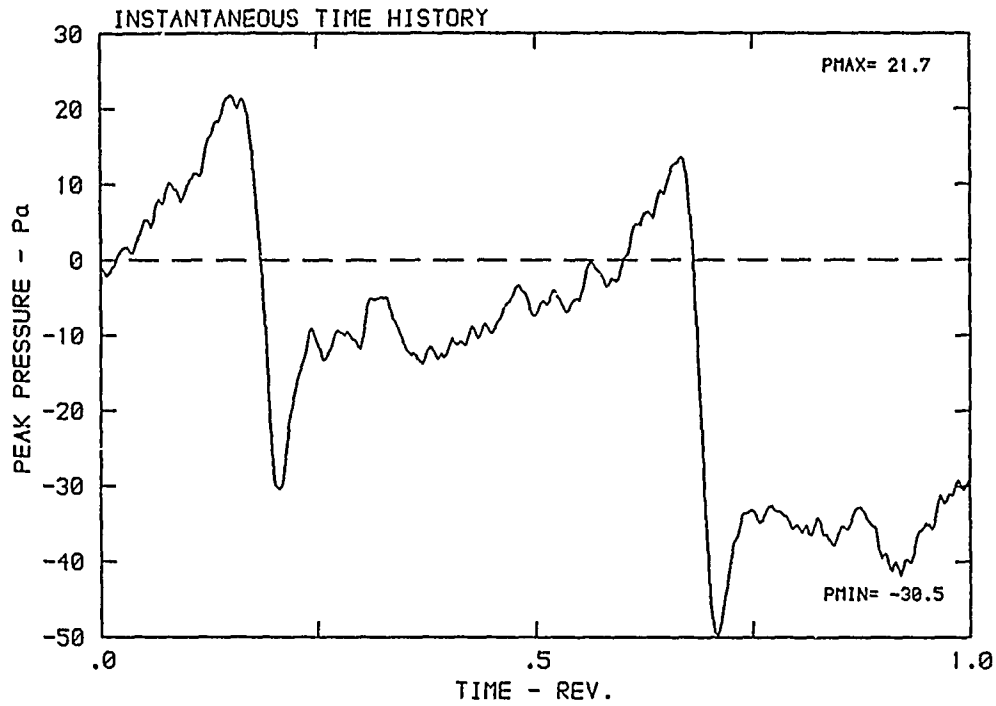
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

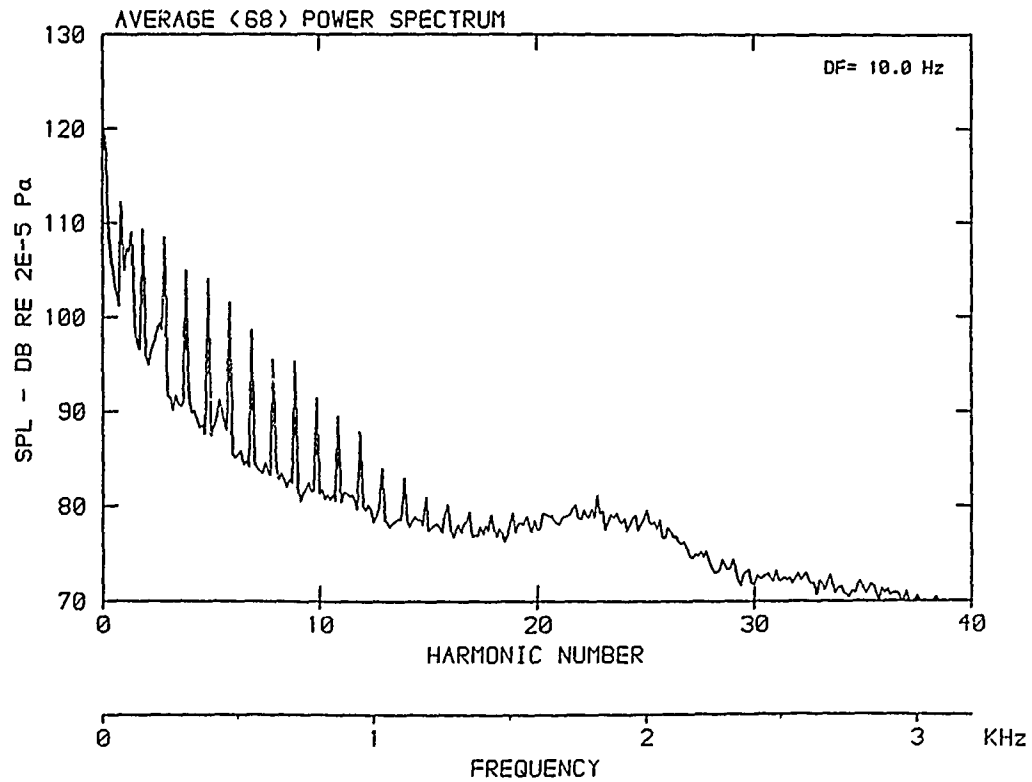




DATA POINT: CN-5 RUN: 98 MP: 8

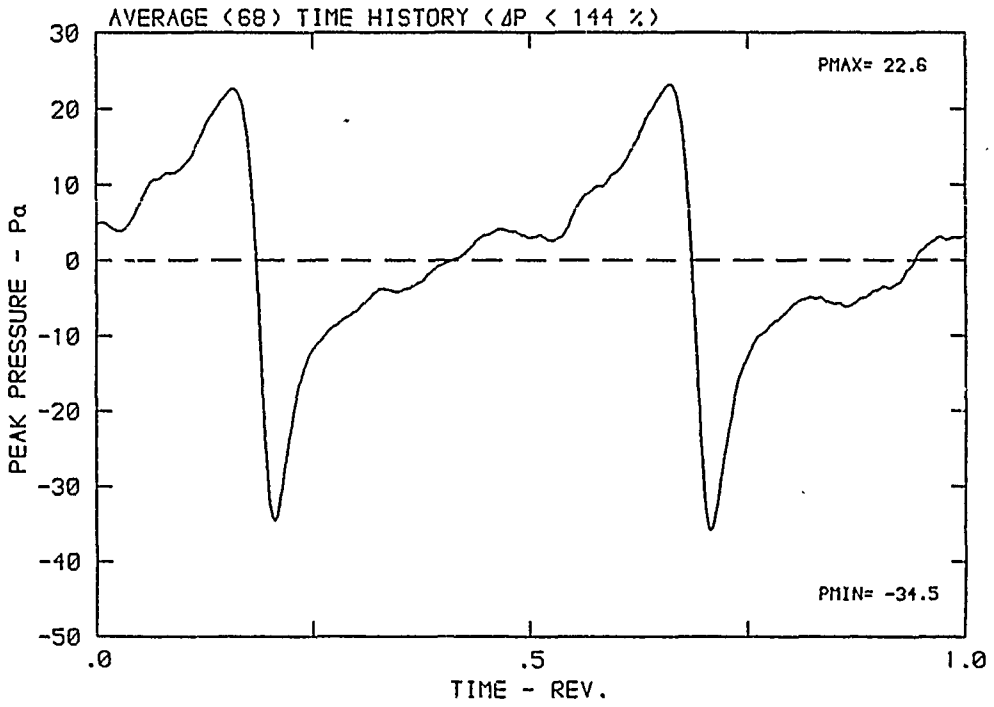
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

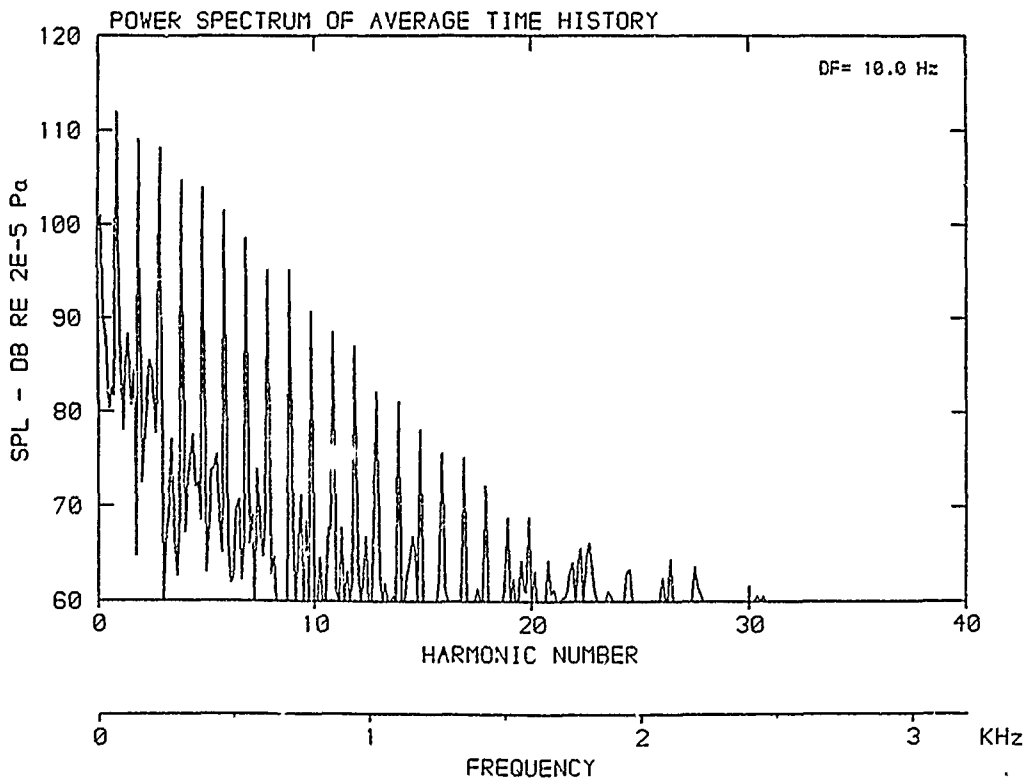




DATA POINT: CN-5	RUN: 98	MP: 8

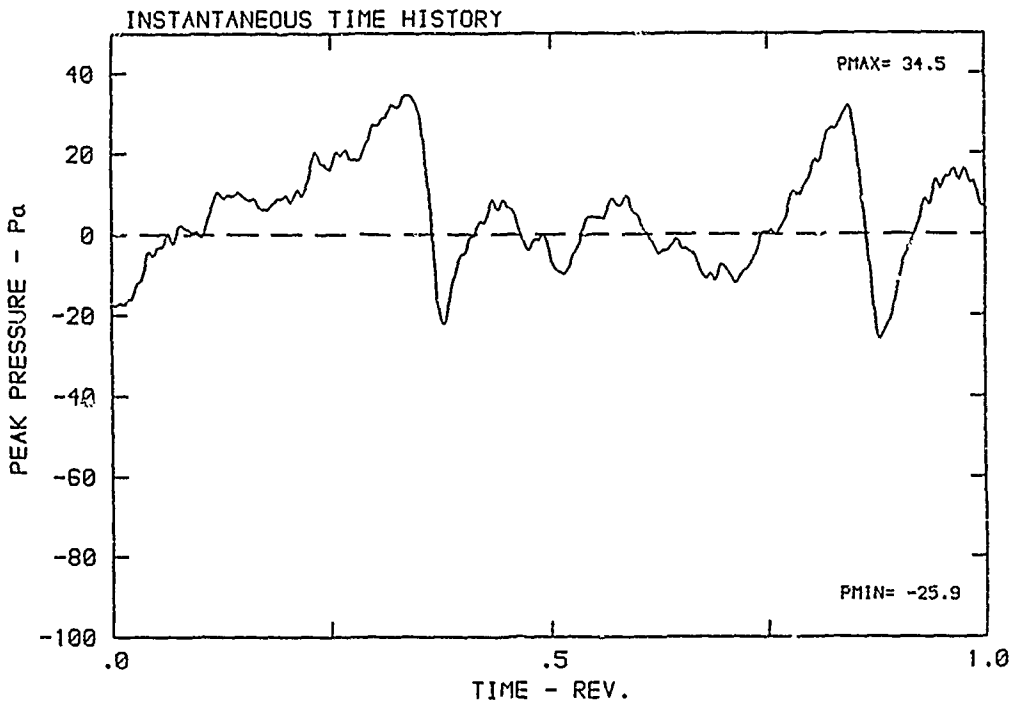
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

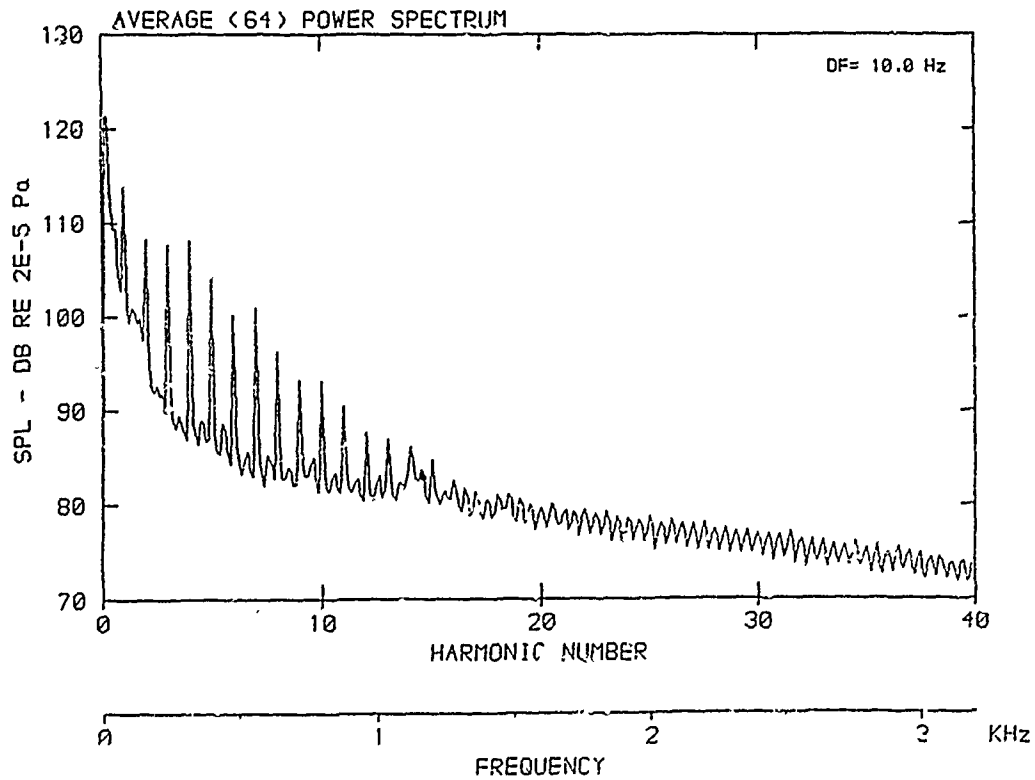




DATA POINT: CN-5 RUN: 98 MP: 9

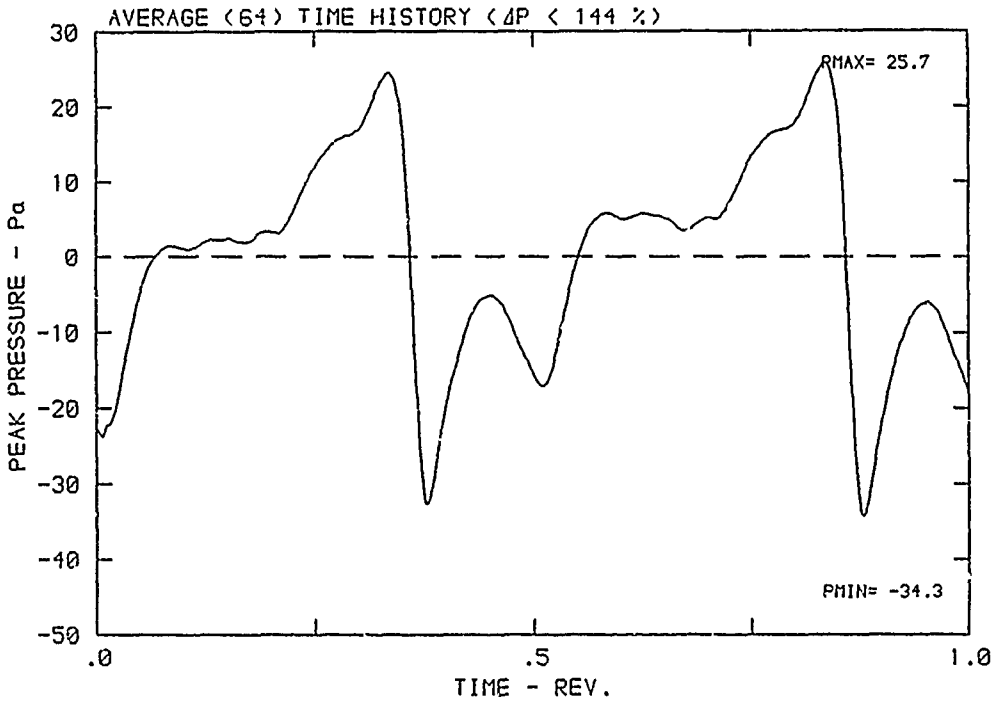
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

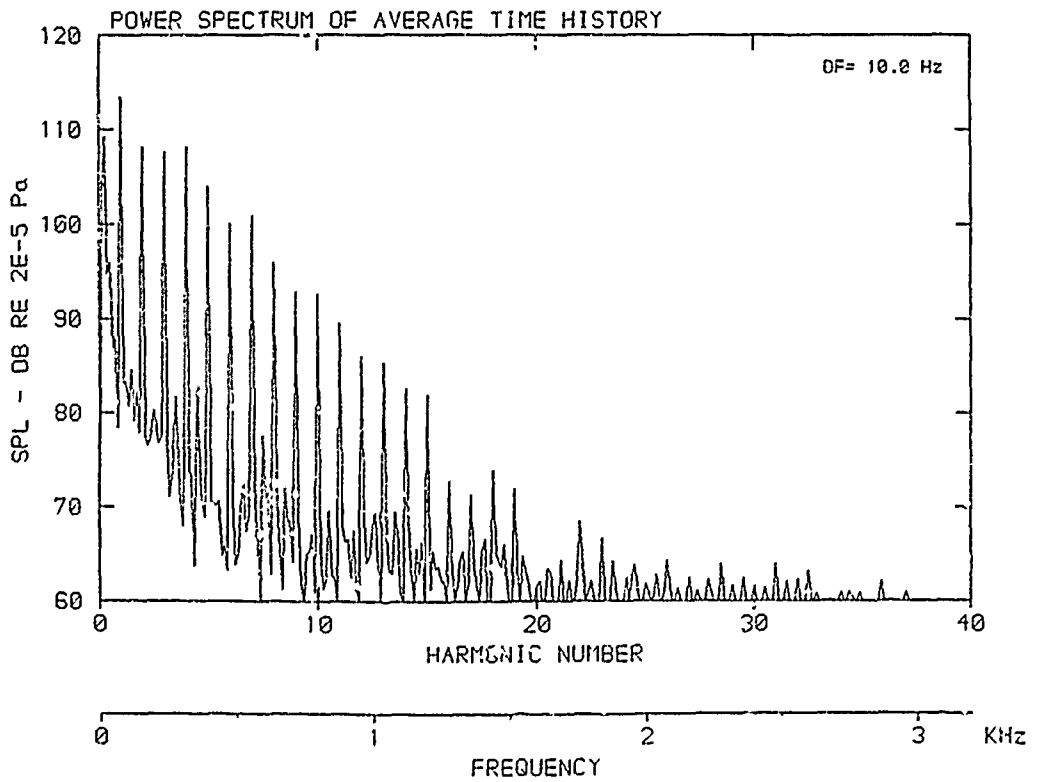




DATA POINT: CN-5 RUN: 98 MP: 9

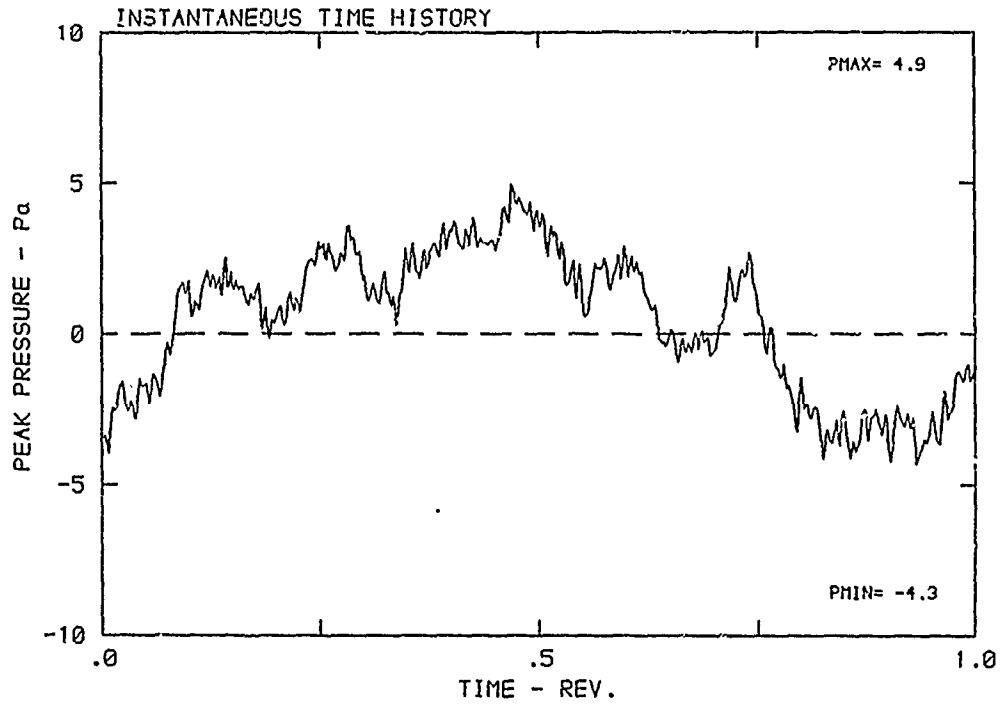
β: 23.7° MH: .7775 n: 2400 rpm v/u: .264 ϕ: .0° T: 287.0 K

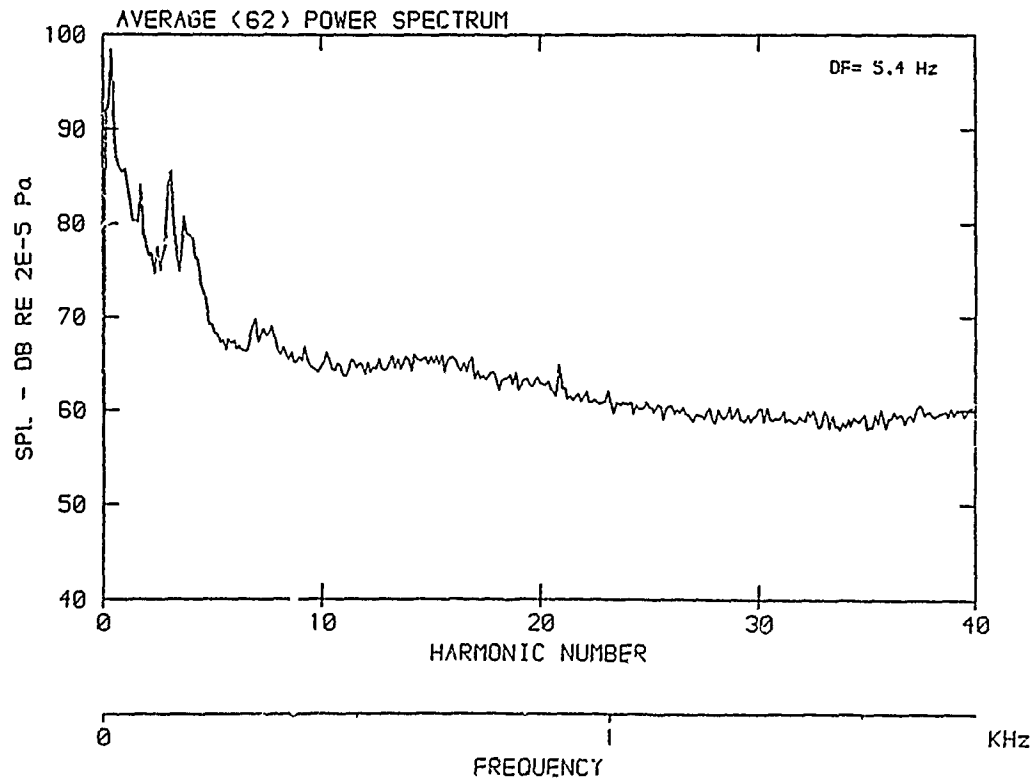




DATA POINT: CN-6 RUN: 102 MP: 1

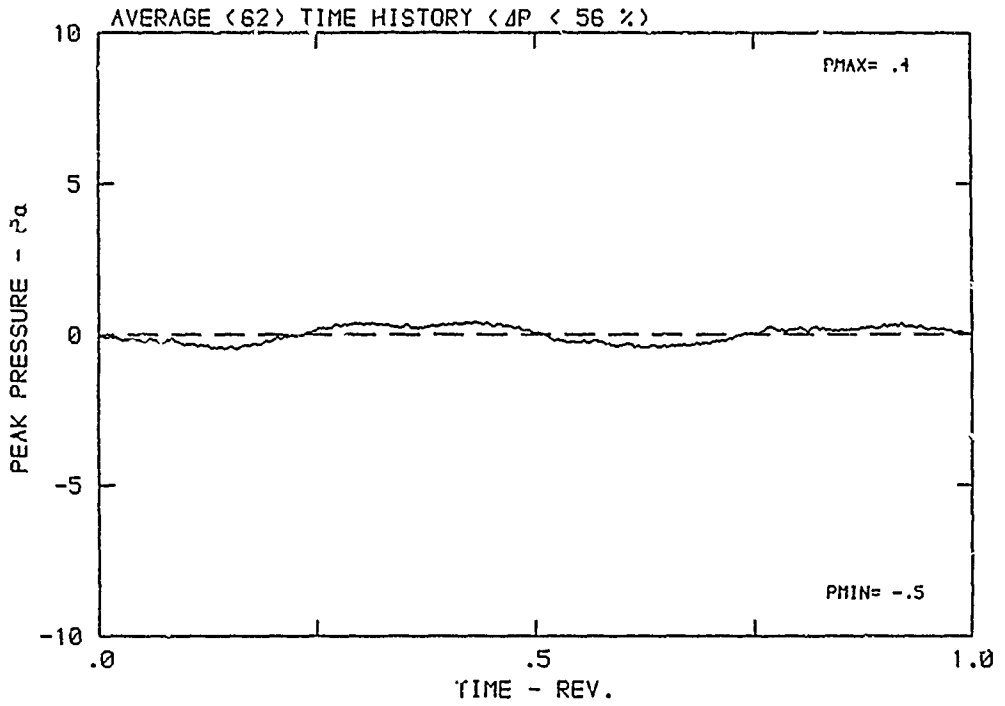
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 φ: .0° T: 287.2 K

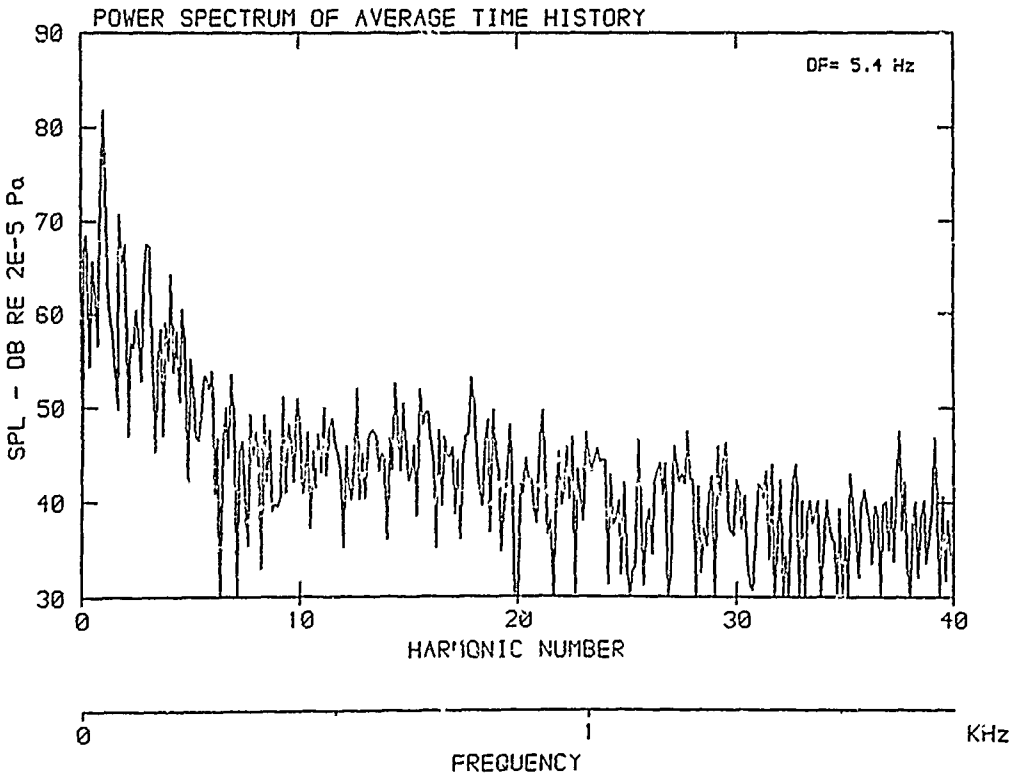




DATA POINT: CN-6 RUN: 102 MP: 1

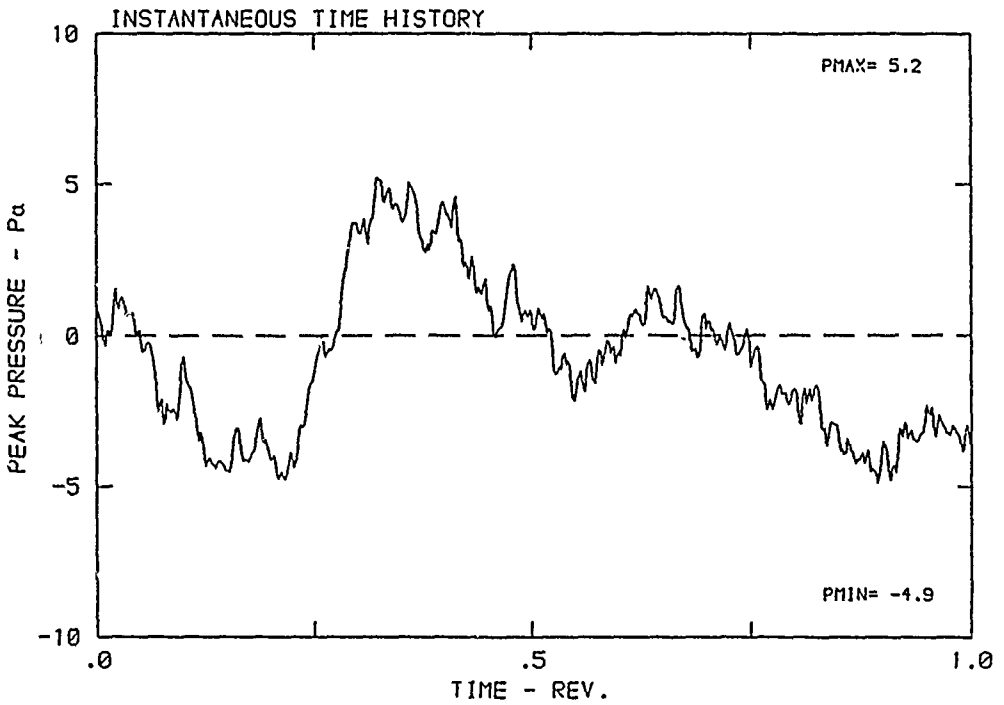
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

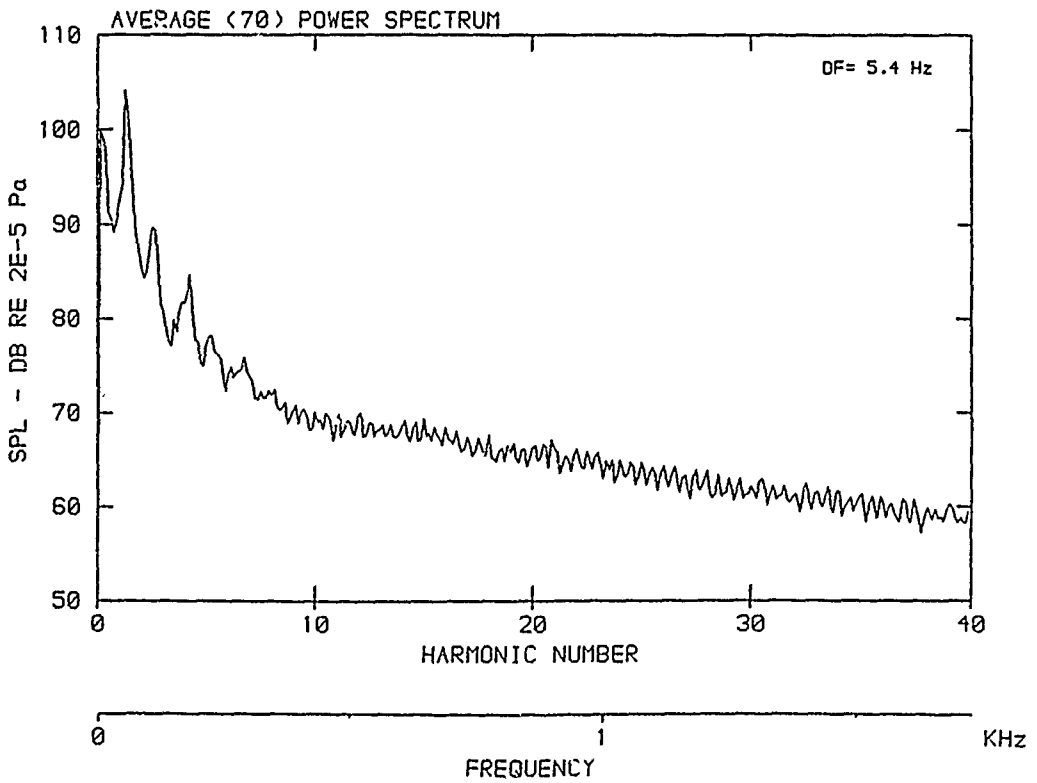




DATA POINT: CN-6 RUN: 102 MP: 2

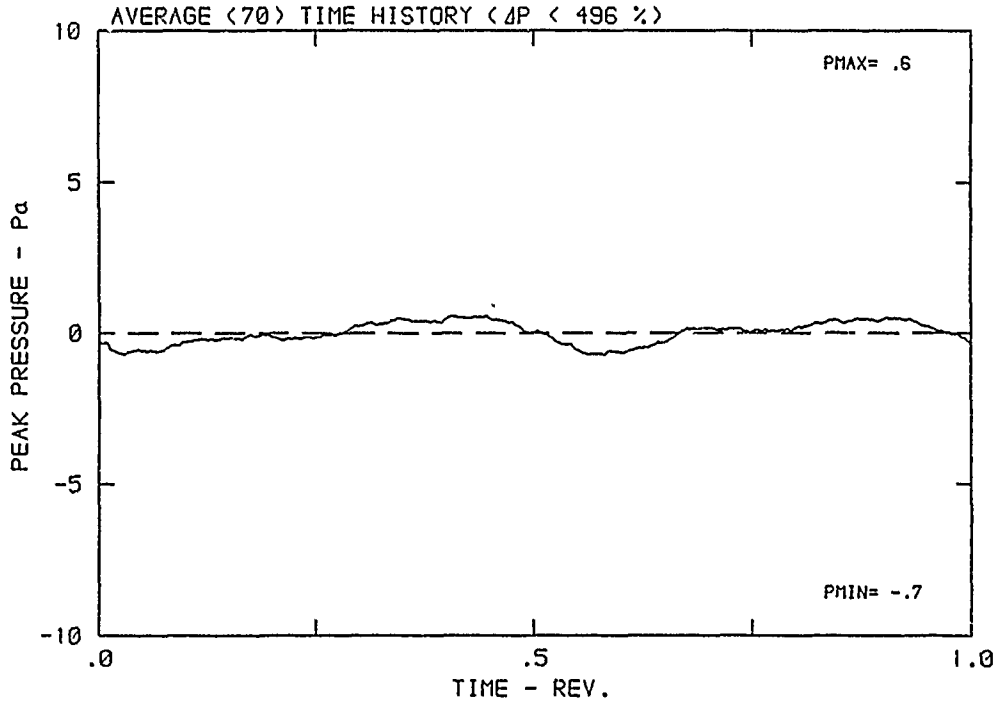
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

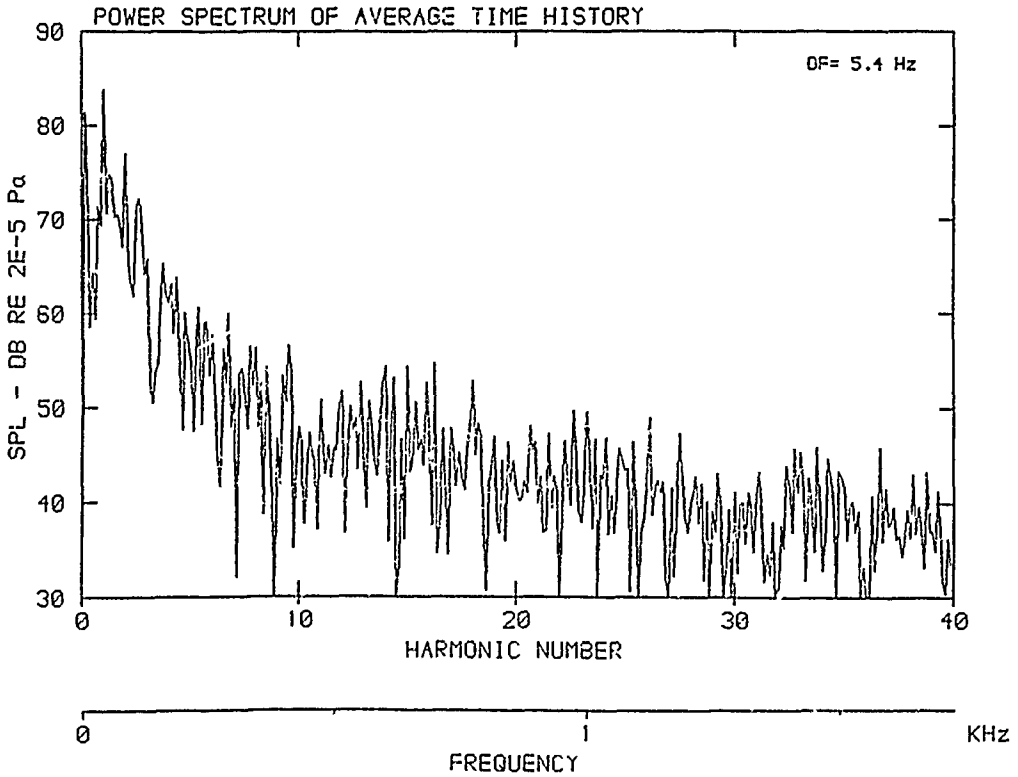




DATA POINT: CN-6 RUN: 102 MP: 2

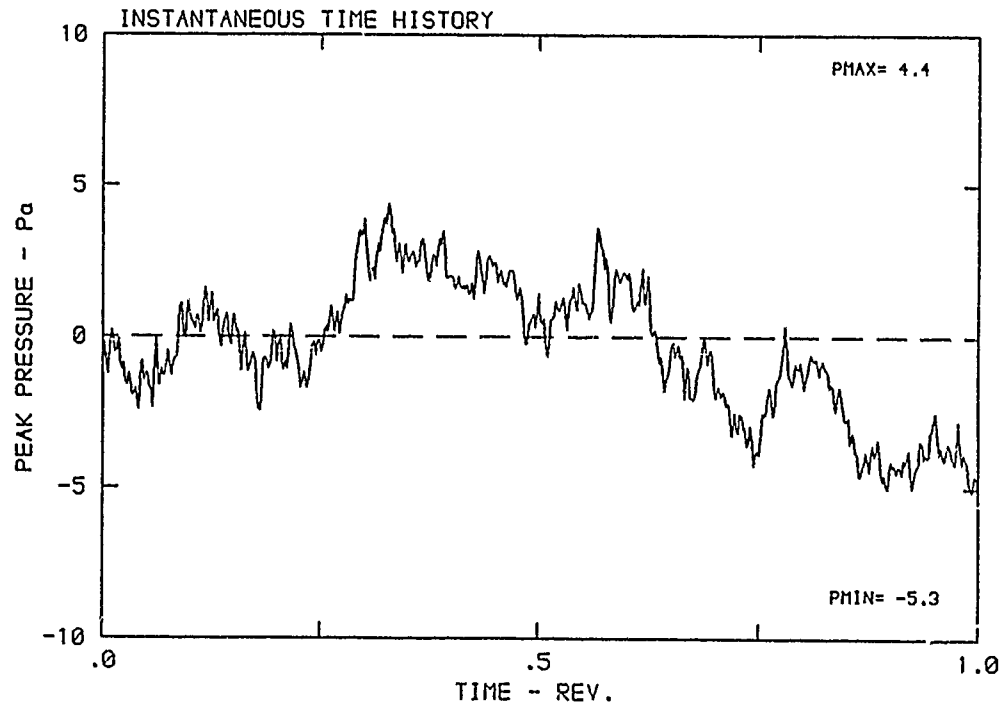
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

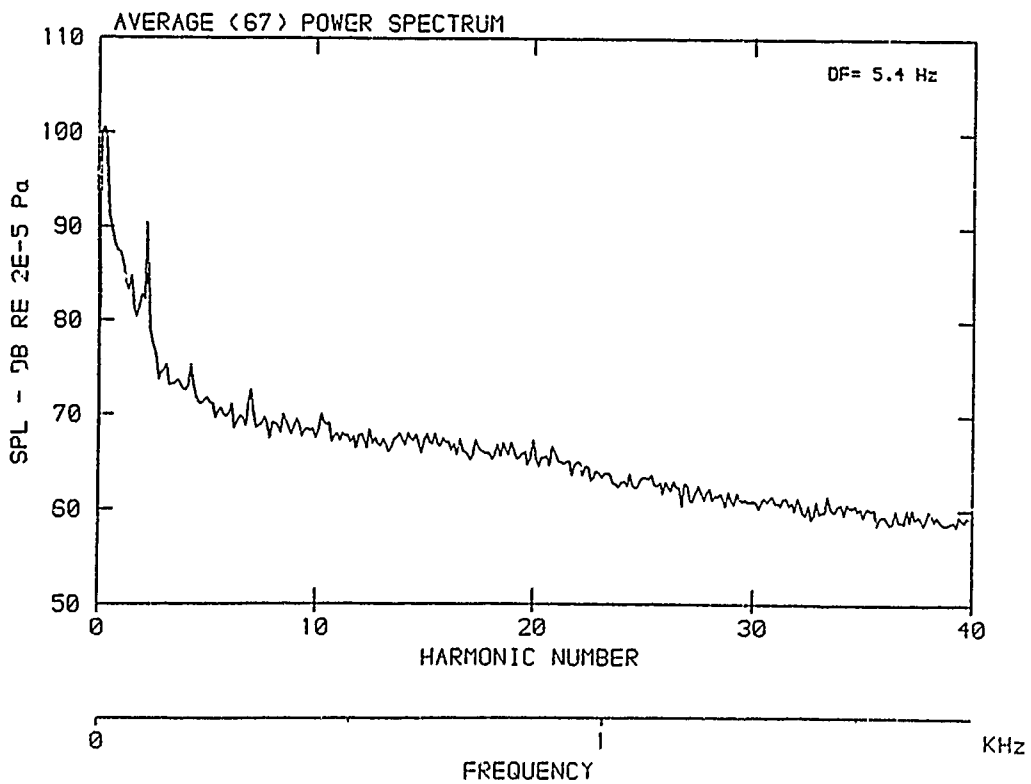




DATA POINT: CN-6 RUN: 102 MP: 3

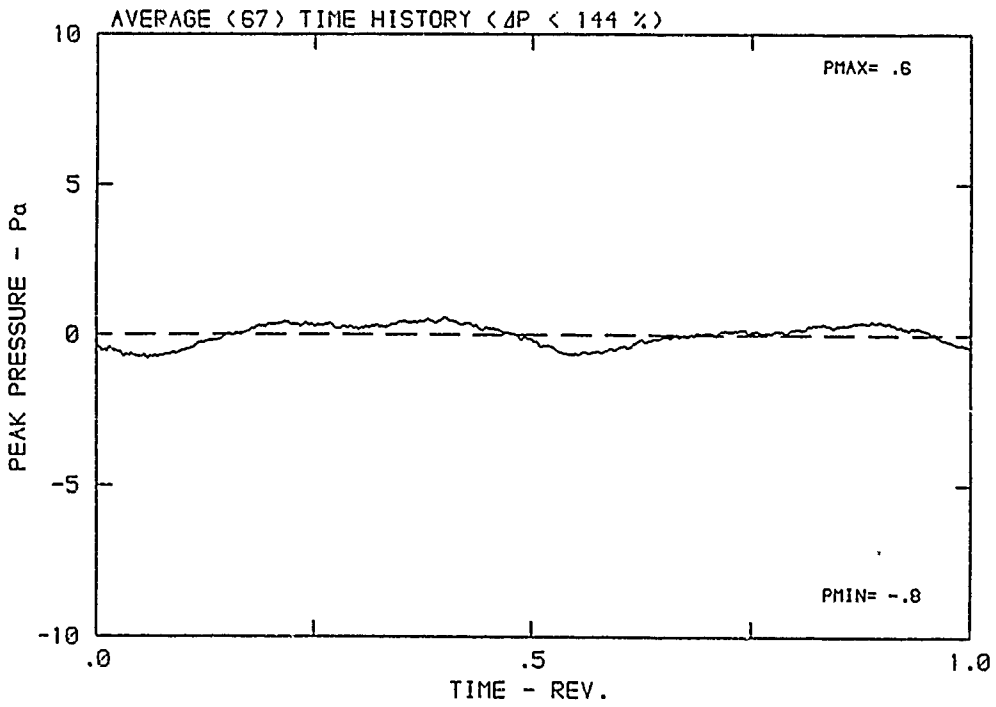
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

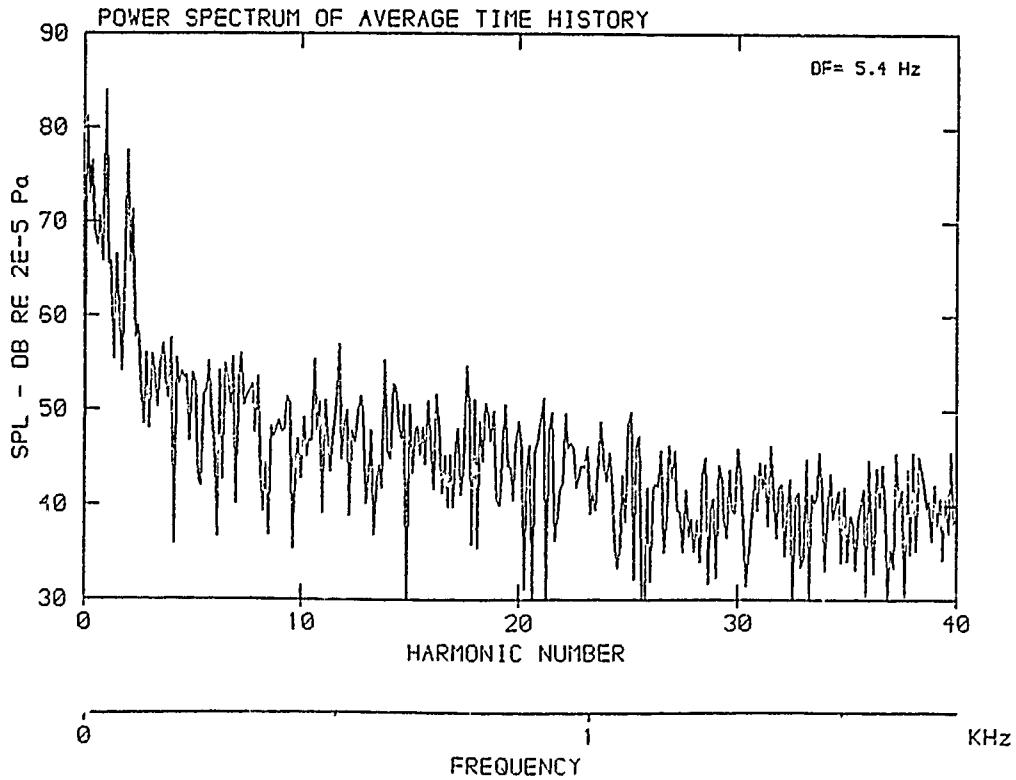




DATA POINT: CN-6 RUN: 102 MP: 3

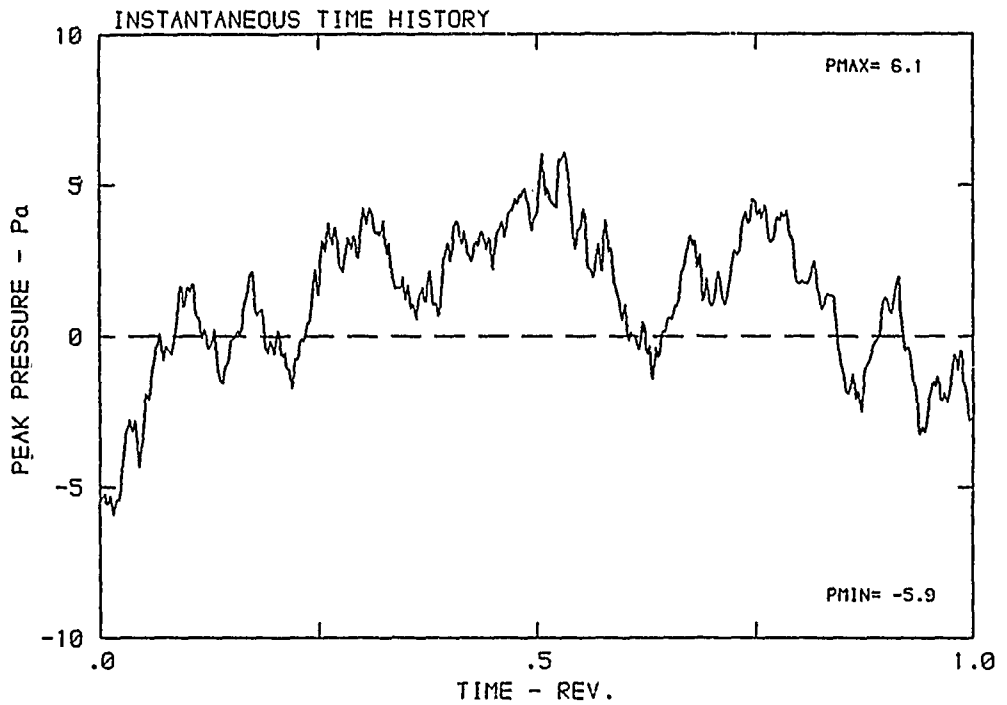
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

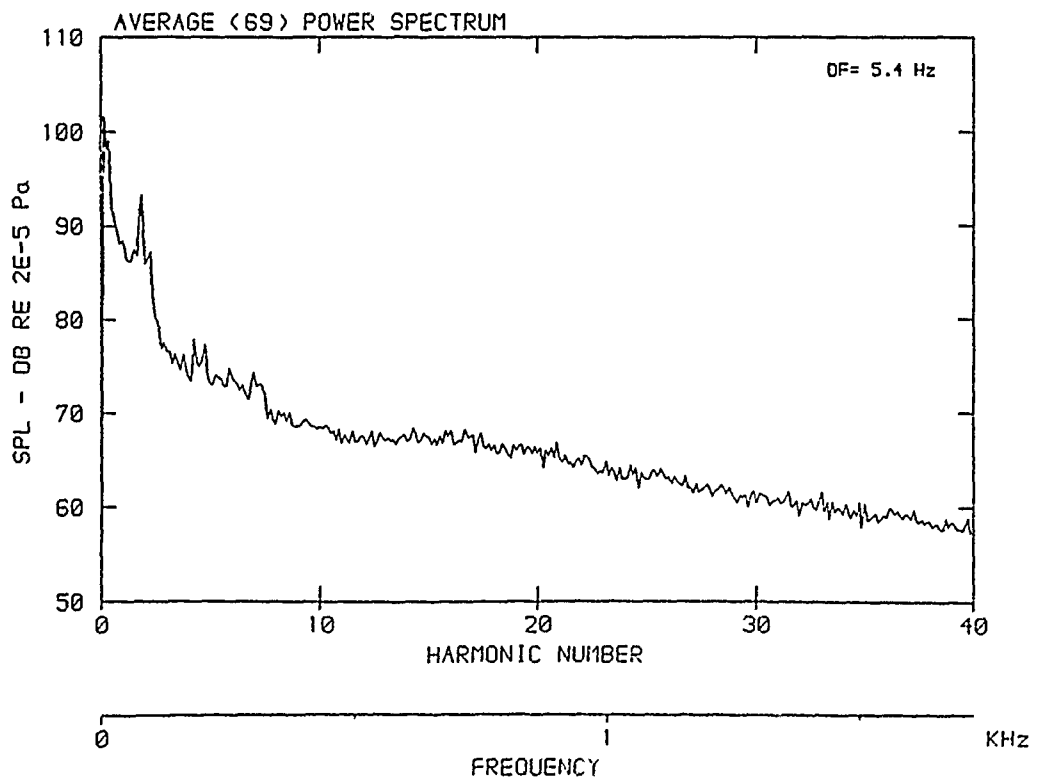




DATA POINT: CN-6 RUN: 102 MP: 4

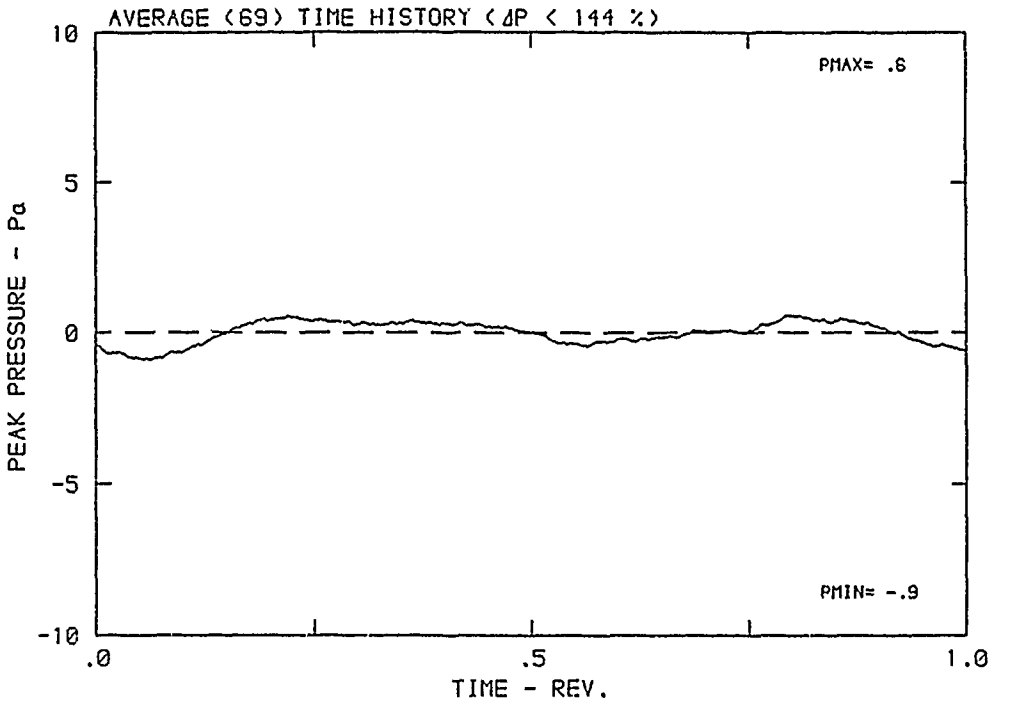
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

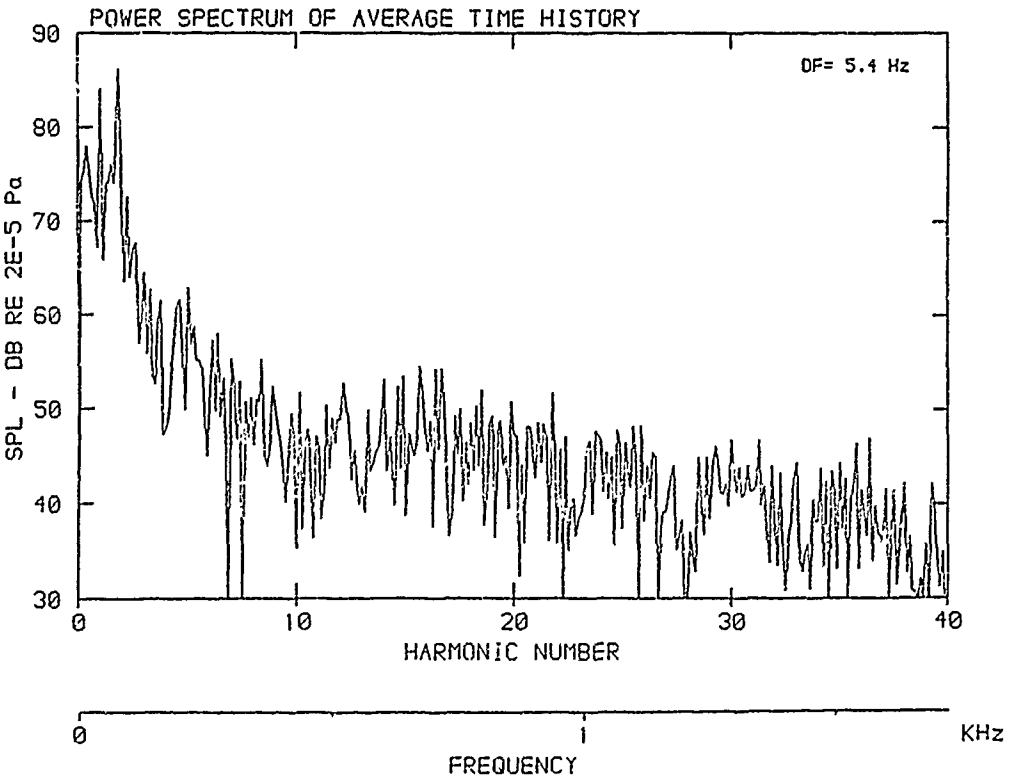




DATA POINT: CN-6 RUN: 102 MP: 4

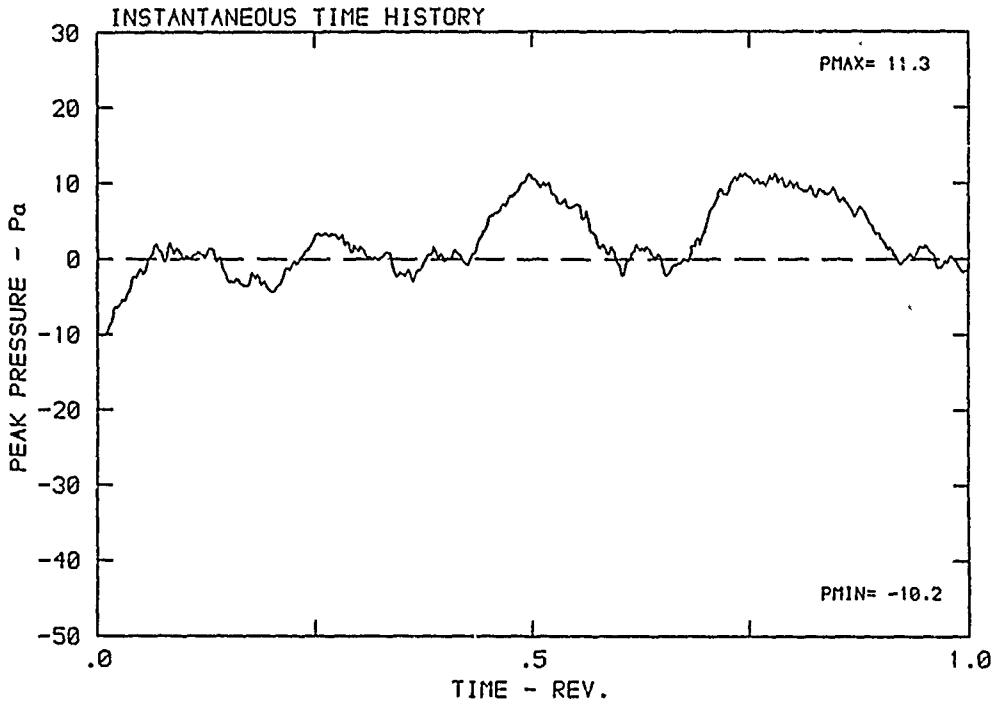
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

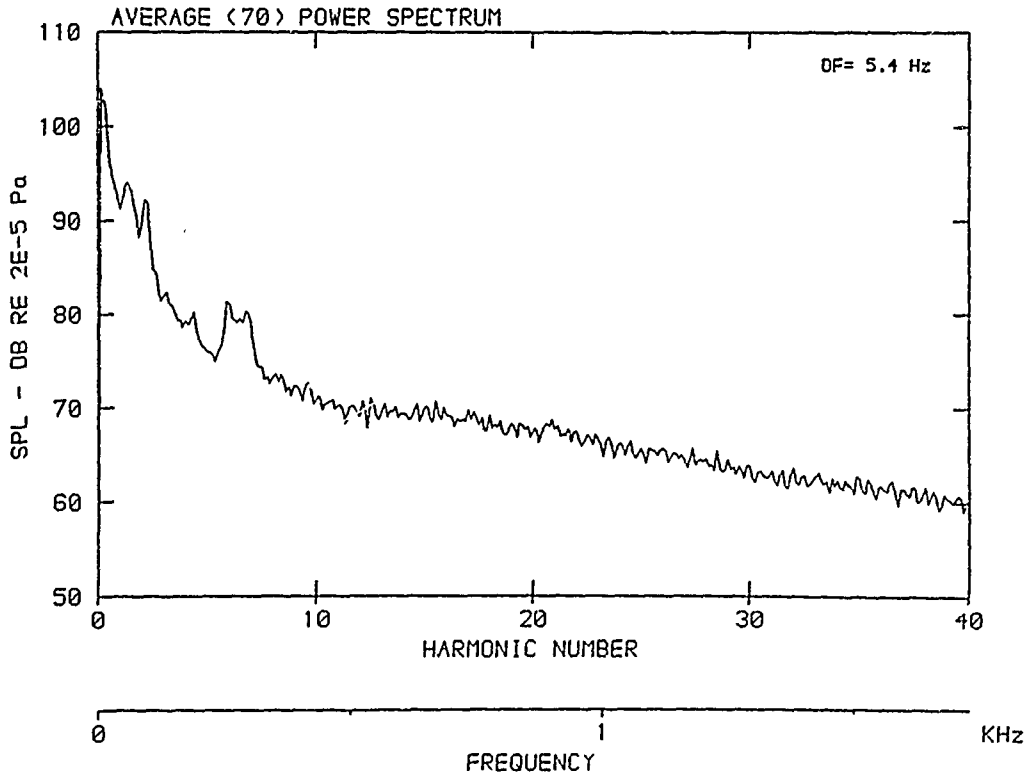




DATA POINT: CN-6 RUN: 102 MP: 5

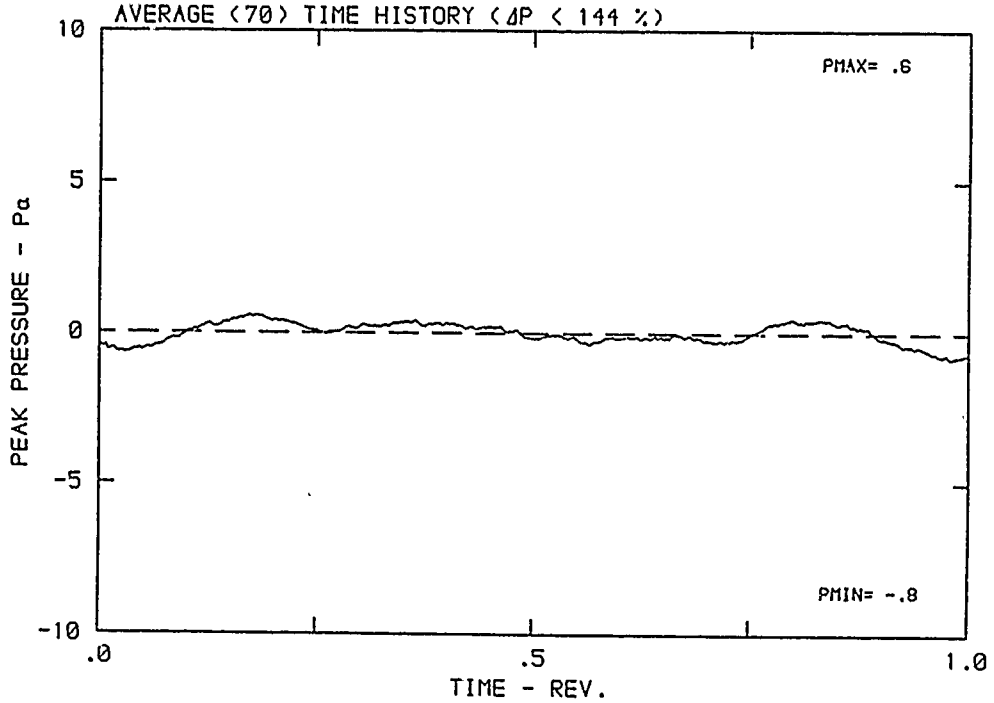
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

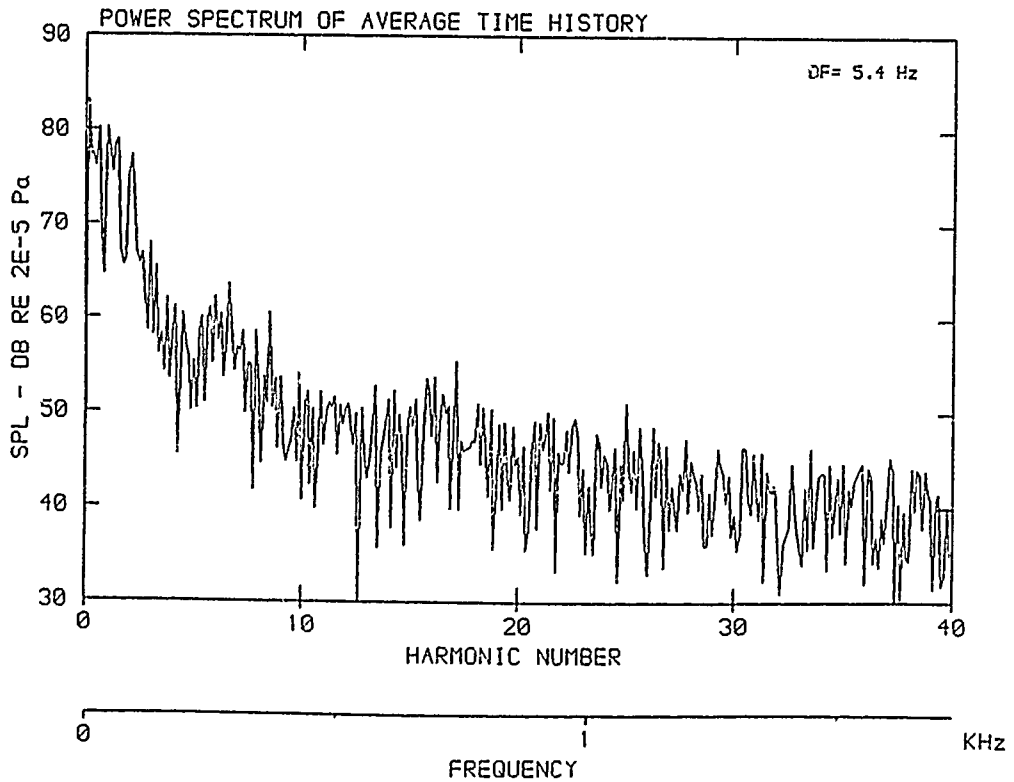




DATA POINT: CN-6 RUN: 102 MP: 5

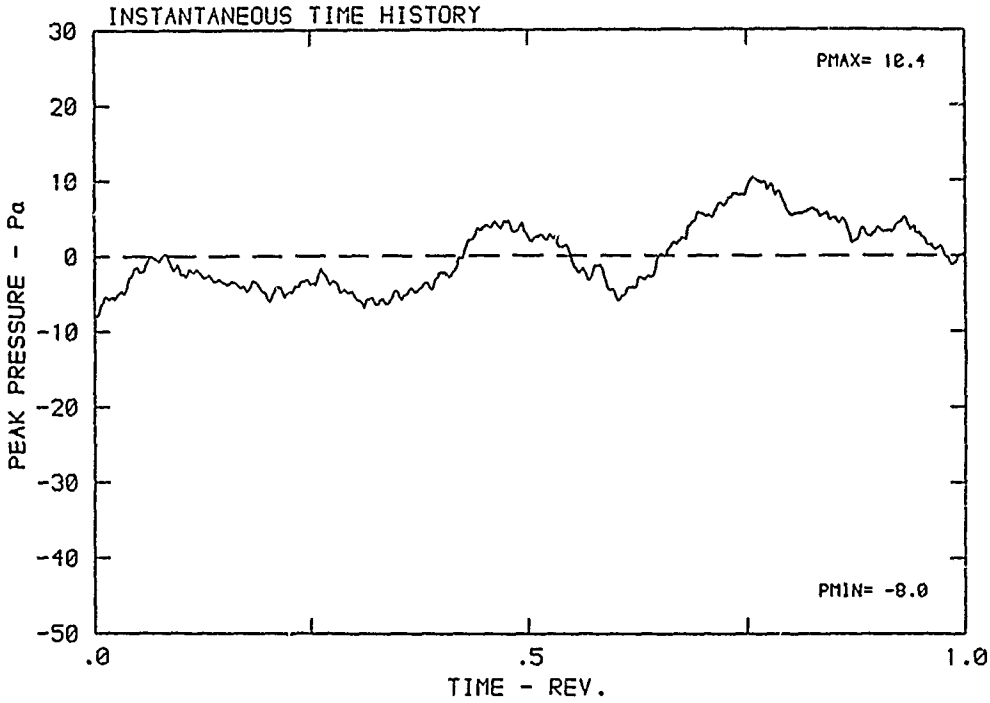
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

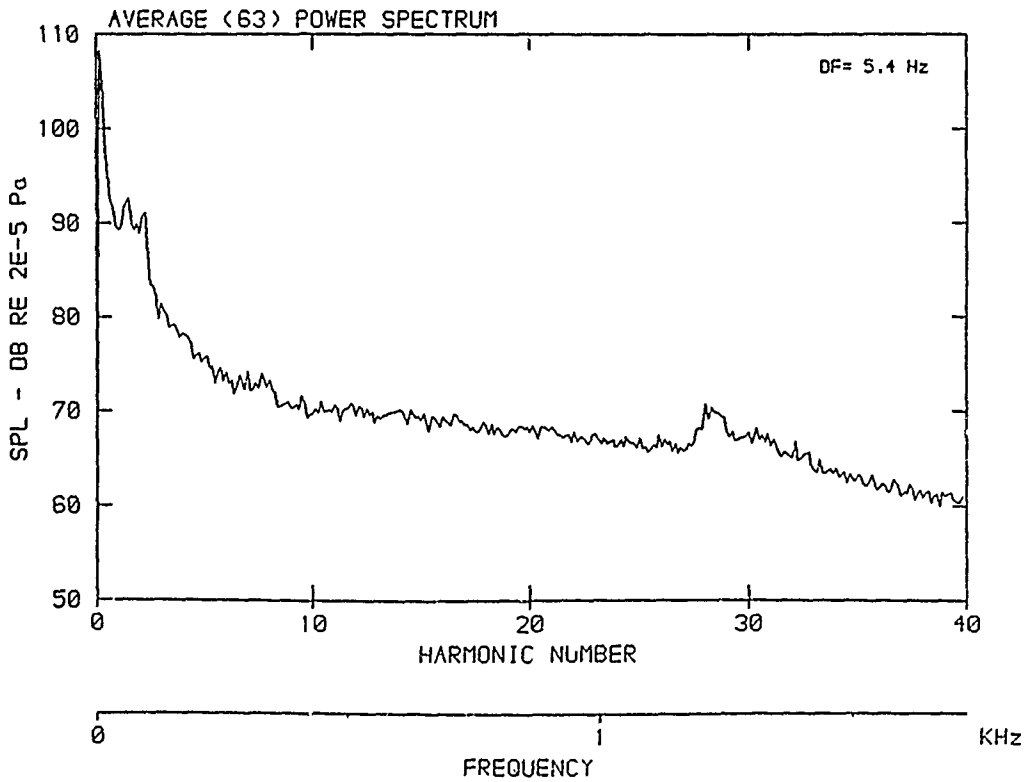




DATA POINT: CN-6 RUN: 102 MP: 6

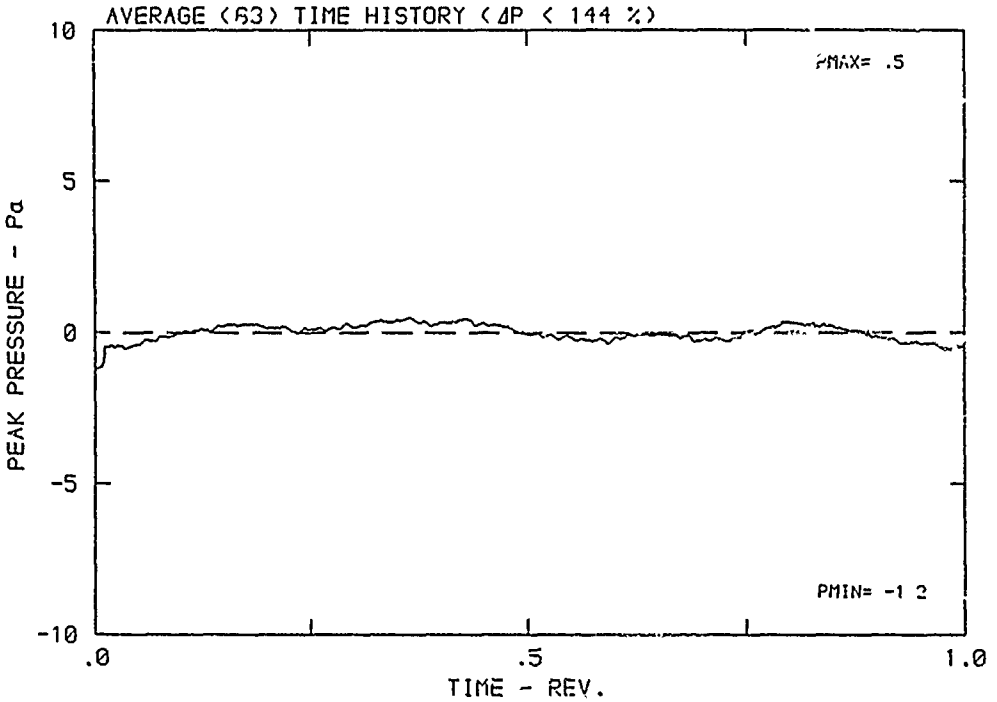
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

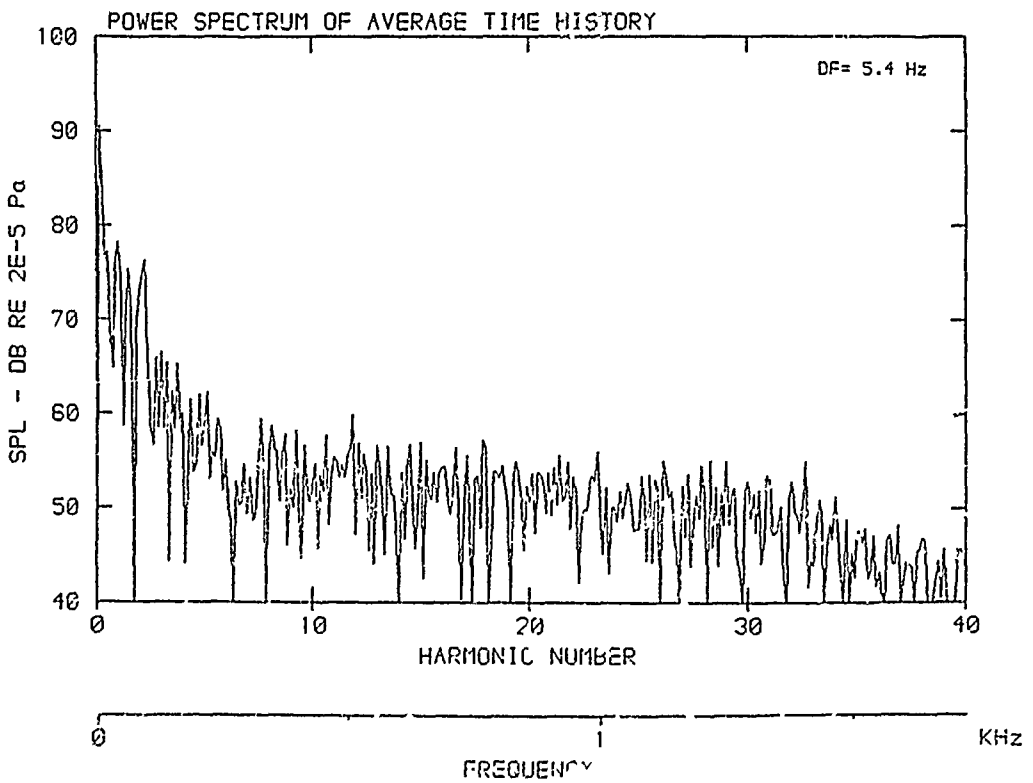




DATA POINT: CN-6 RUN: 102 MP: 6

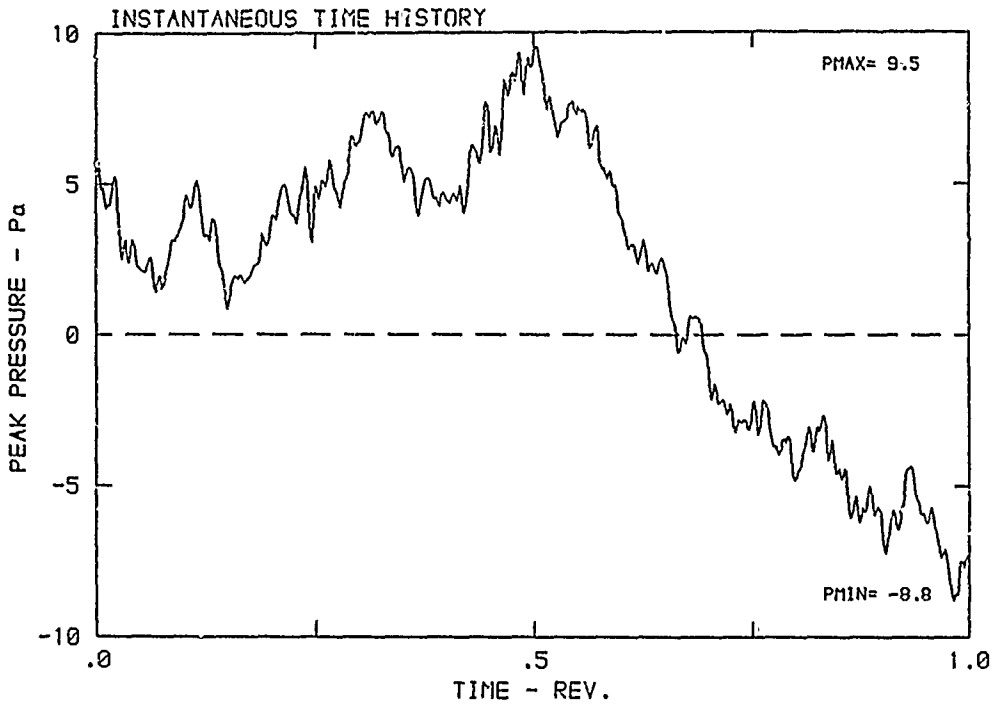
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 k

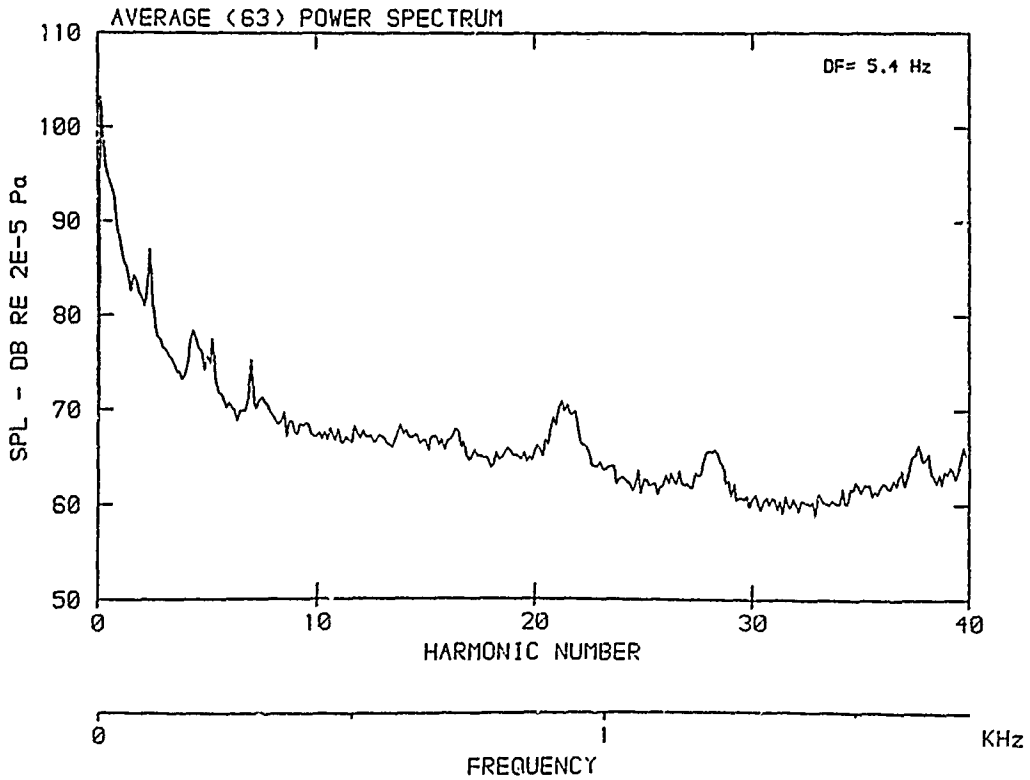




DATA POINT: CN-6 RUN: 102 MP: 7

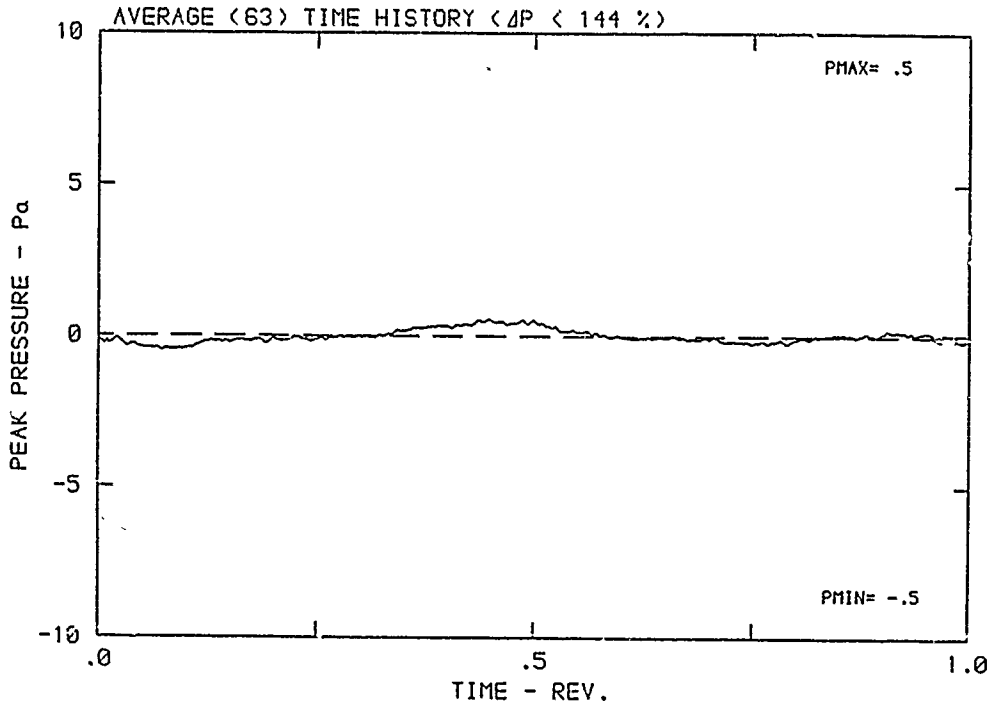
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

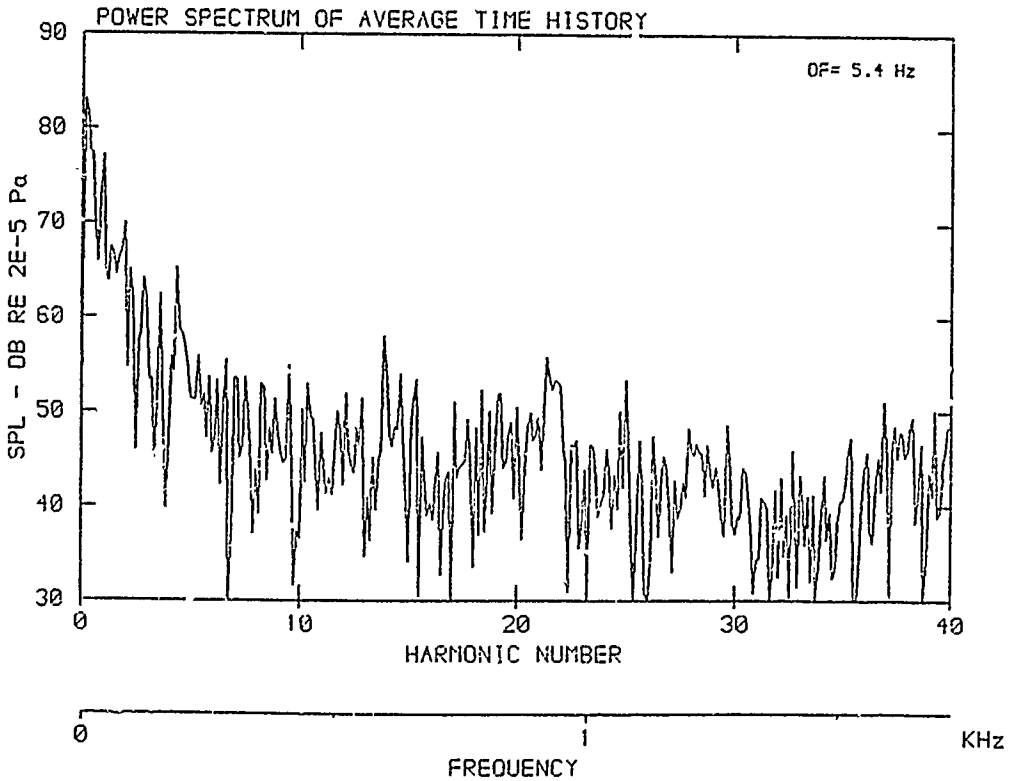




DATA POINT: CN-6 RUN: 102 MP: 7

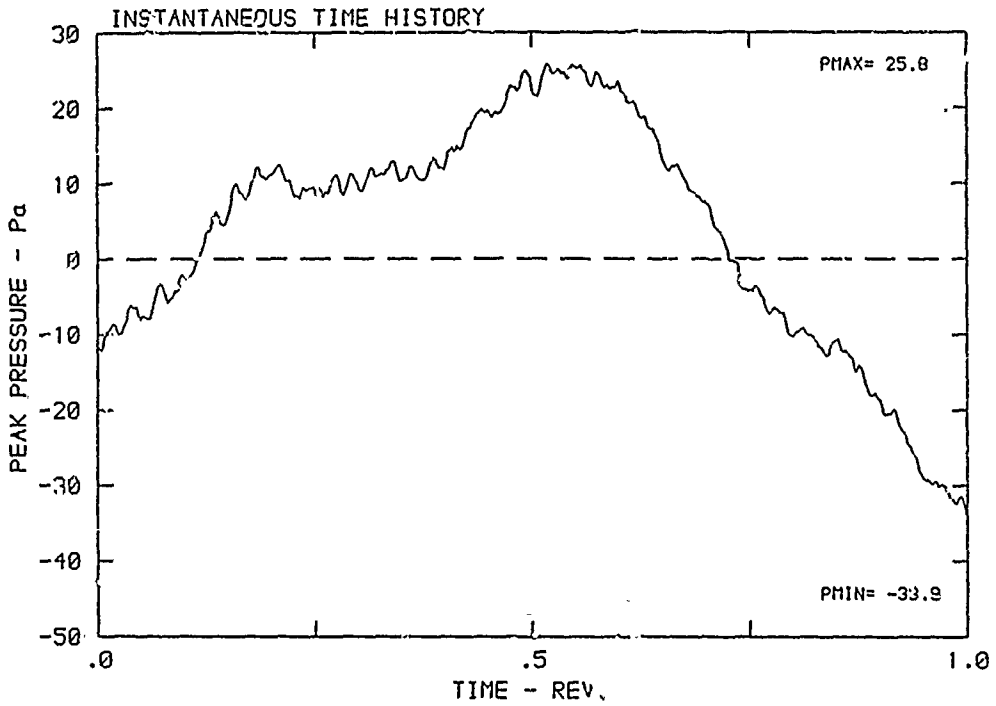
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

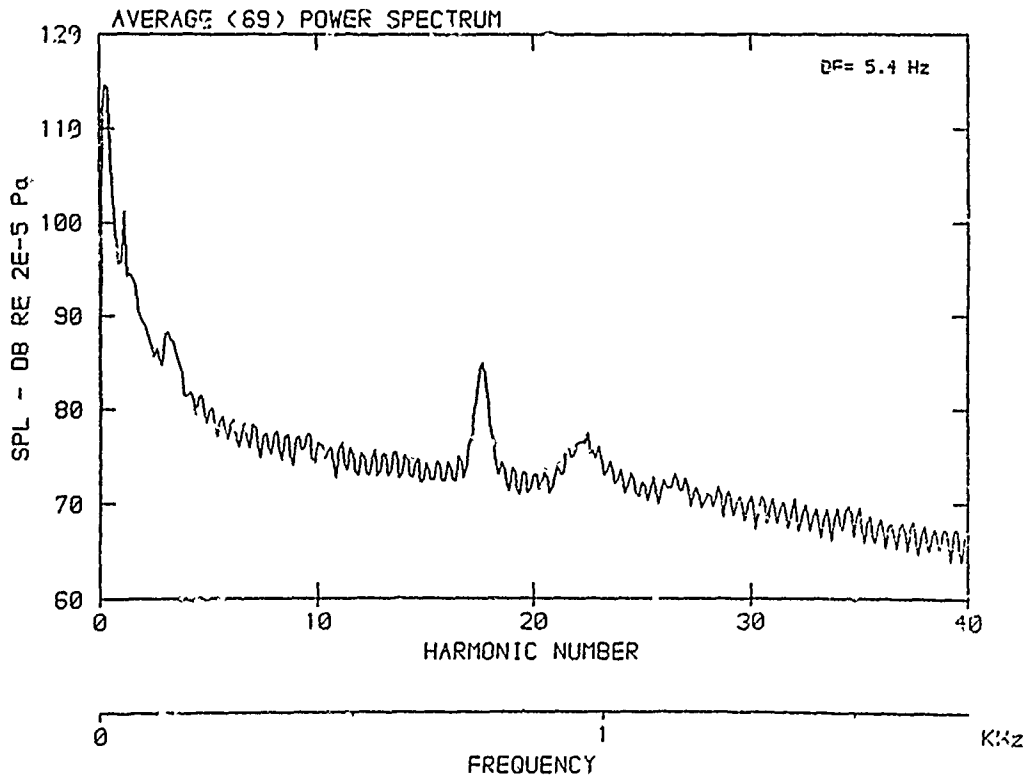




DATA POINT: CN-6 RUN: 102 MP: 9

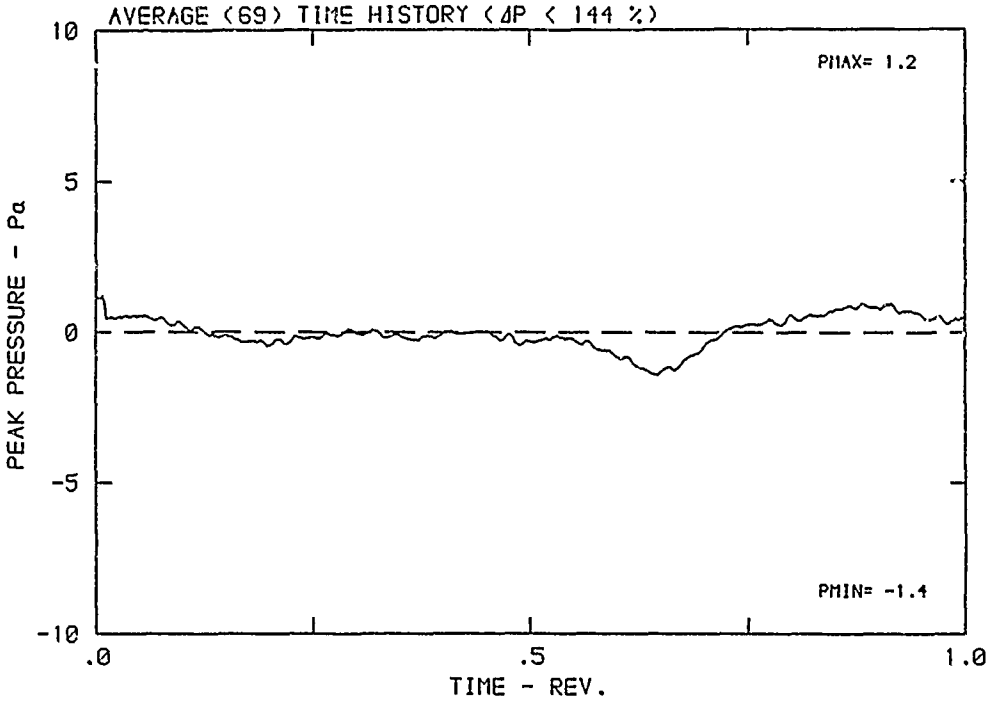
β: 23.7° MH: .432 n: 1294 rpm v/u: .370 φ: .0° T: 287.2 K

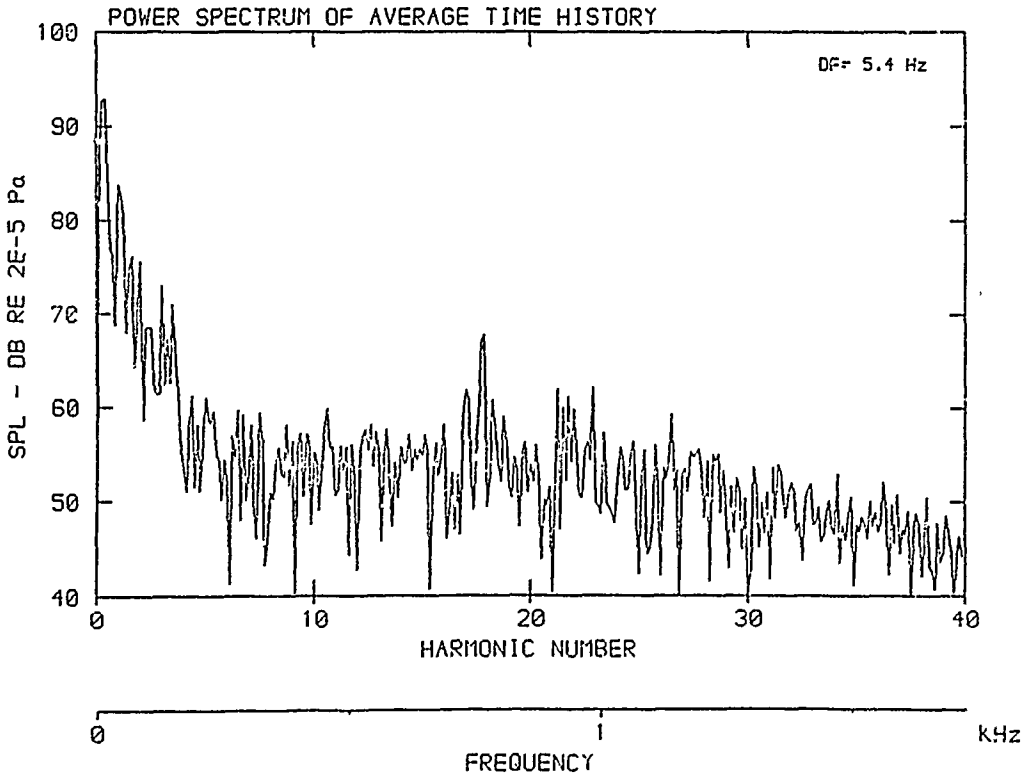




DATA POINT: CN-6 RUN: 102 MP: 9

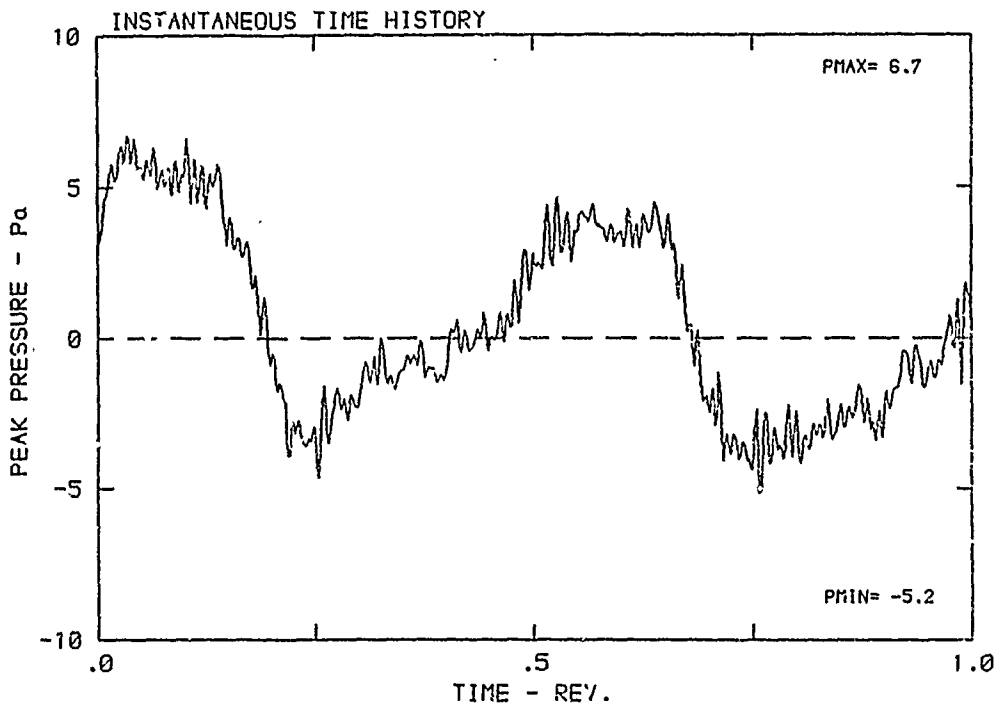
β: 23.7° MH: .4321 n: 1294 rpm v/u: .370 ϕ: .0° T: 287.2 K

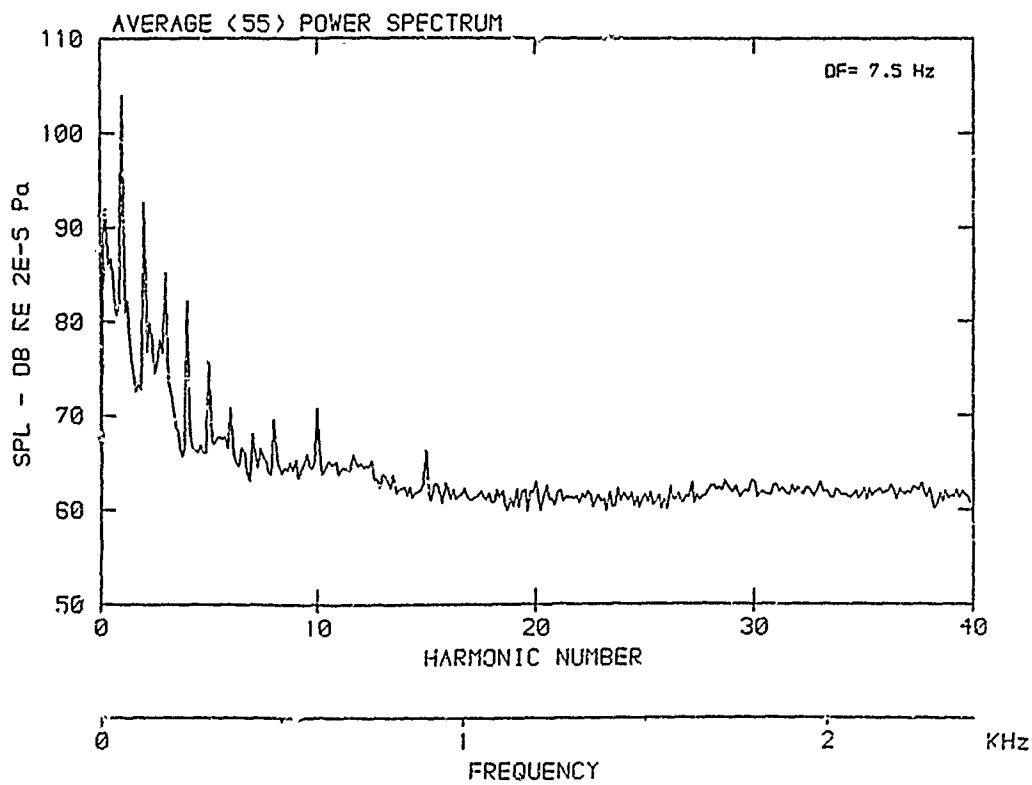




DATA POINT: DN-1 RUN: 97 MP: 1

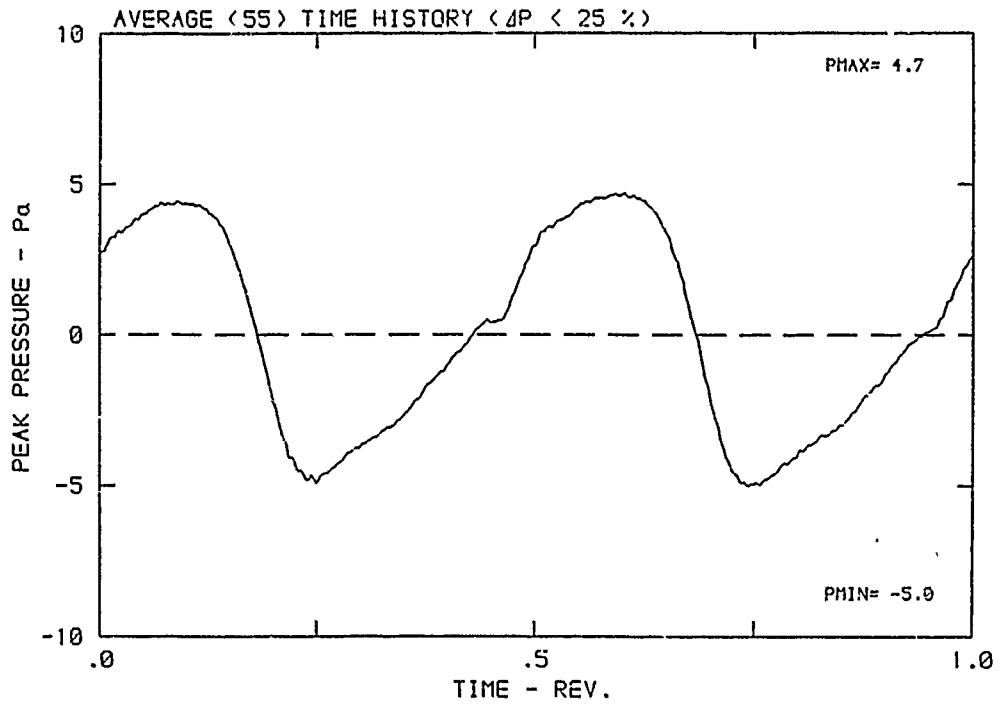
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

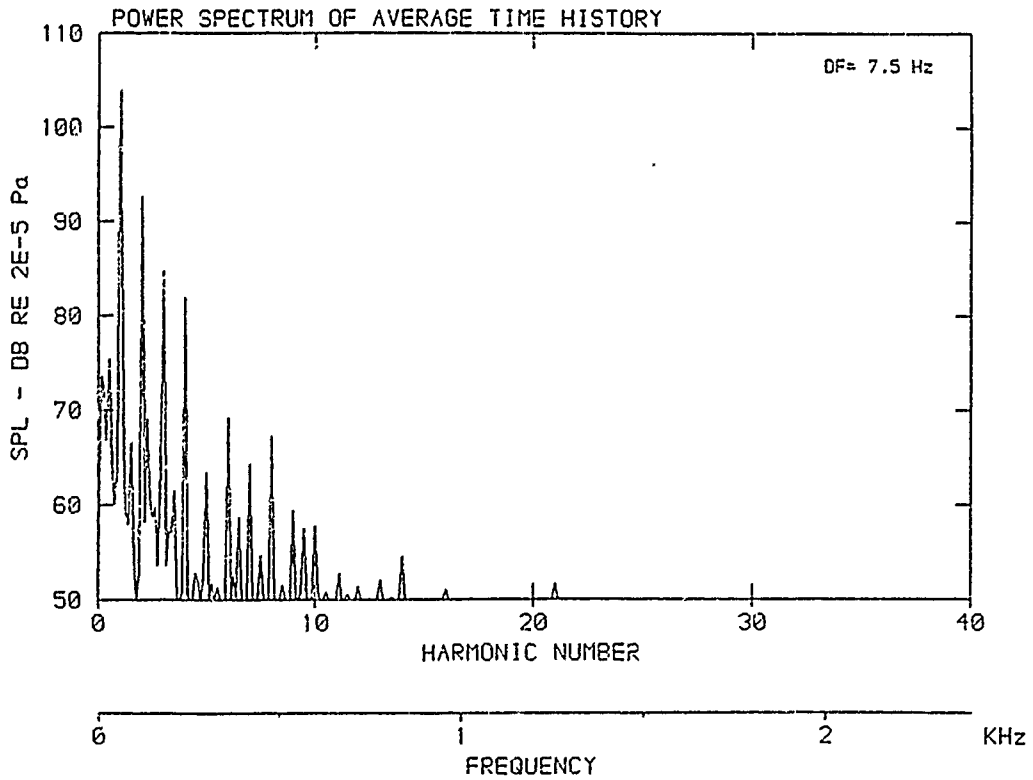




DATA POINT: DN-1 RUN: 97 MP: 1

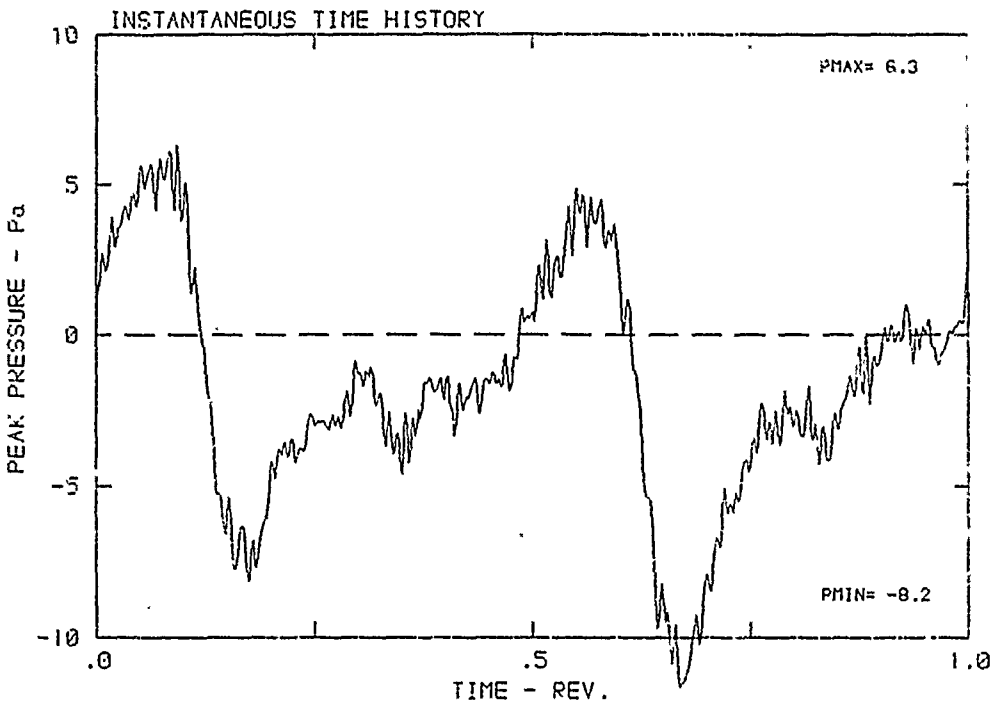
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

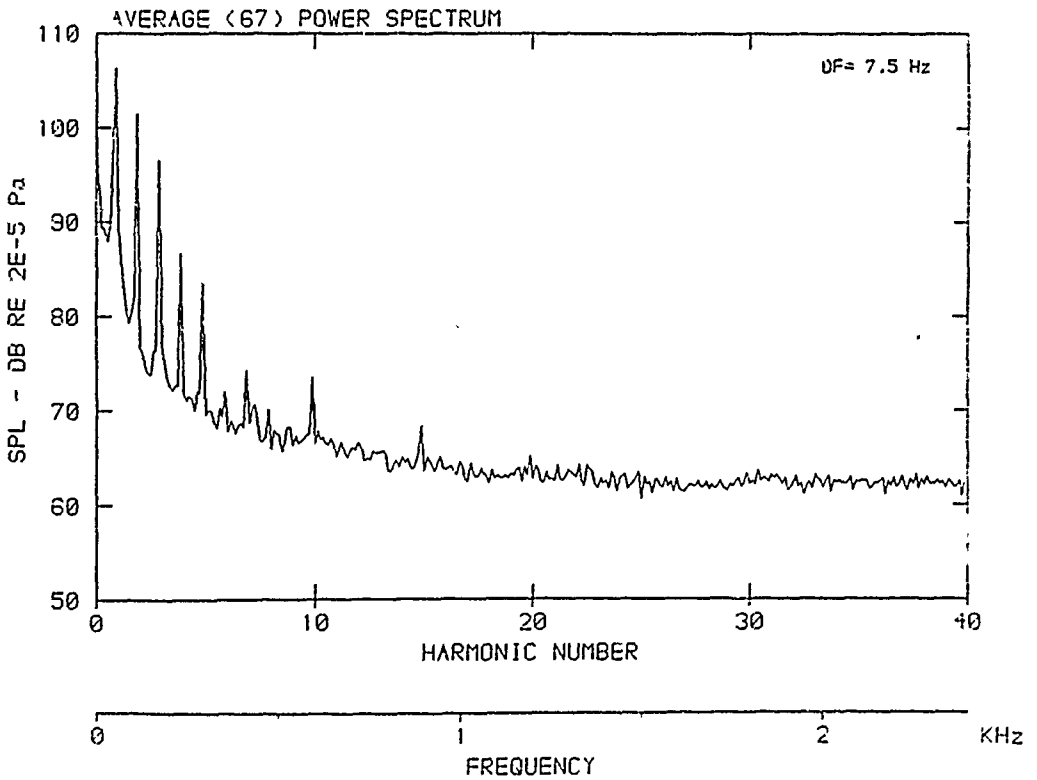




DATA POINT: DN-1 RUN: 97 MP: 3

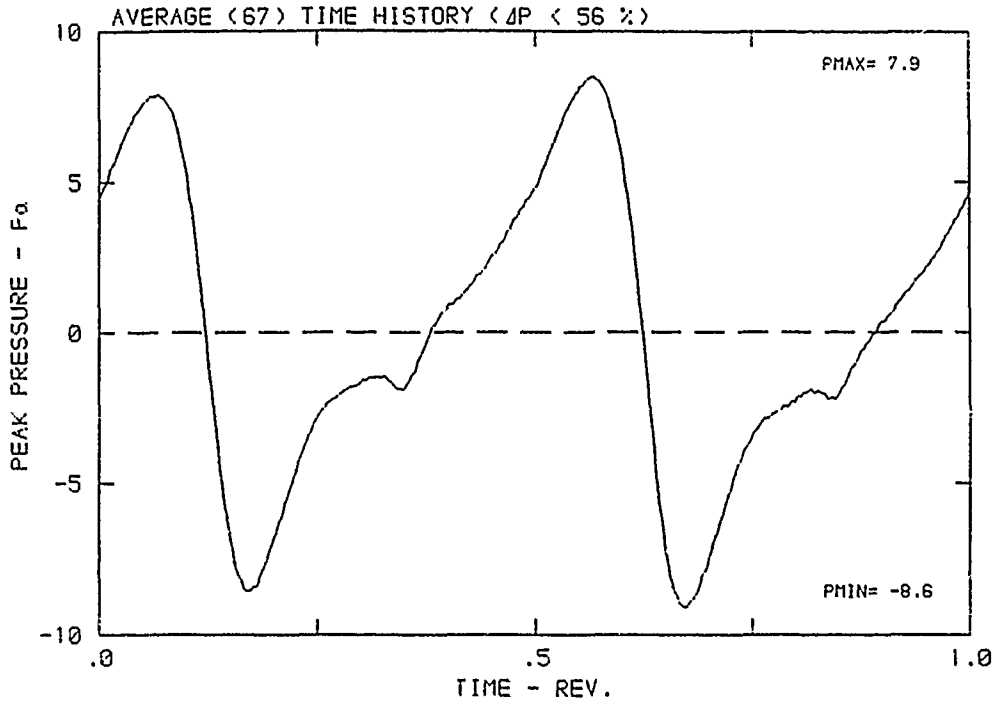
β: 29.0° MH: .5785 n: 1800 rpm v/u: .223 μ: .0° T: 137.3 K

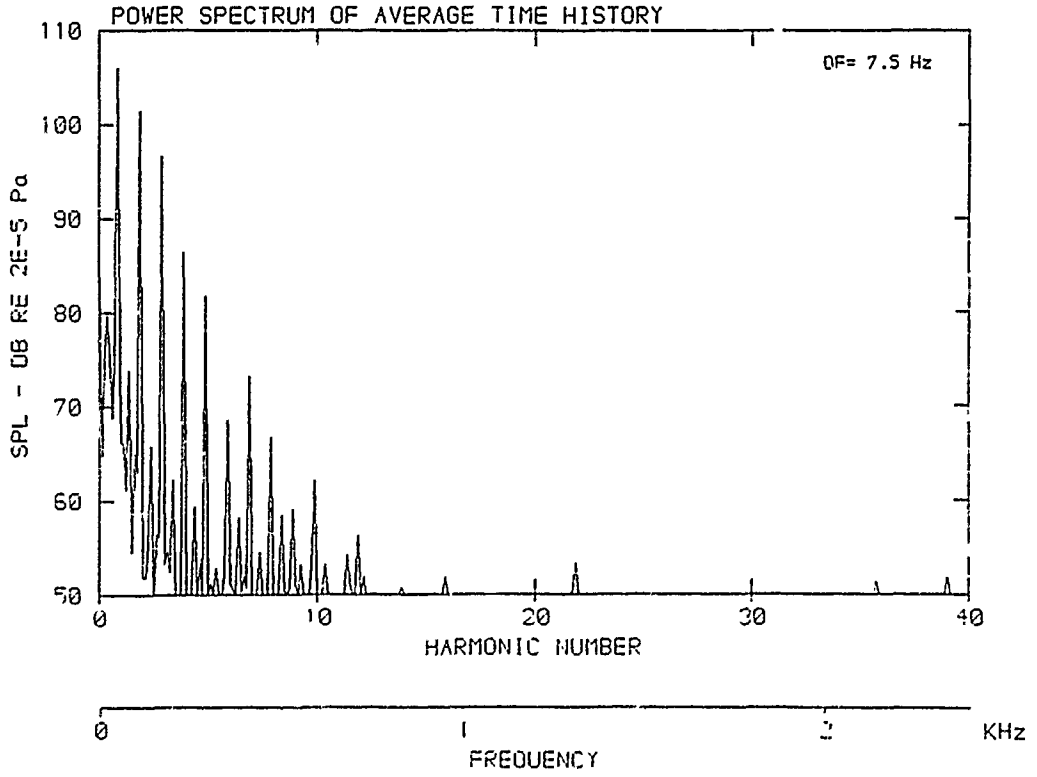




DATA POINT: DN-1 RUN: 97 MP: 2

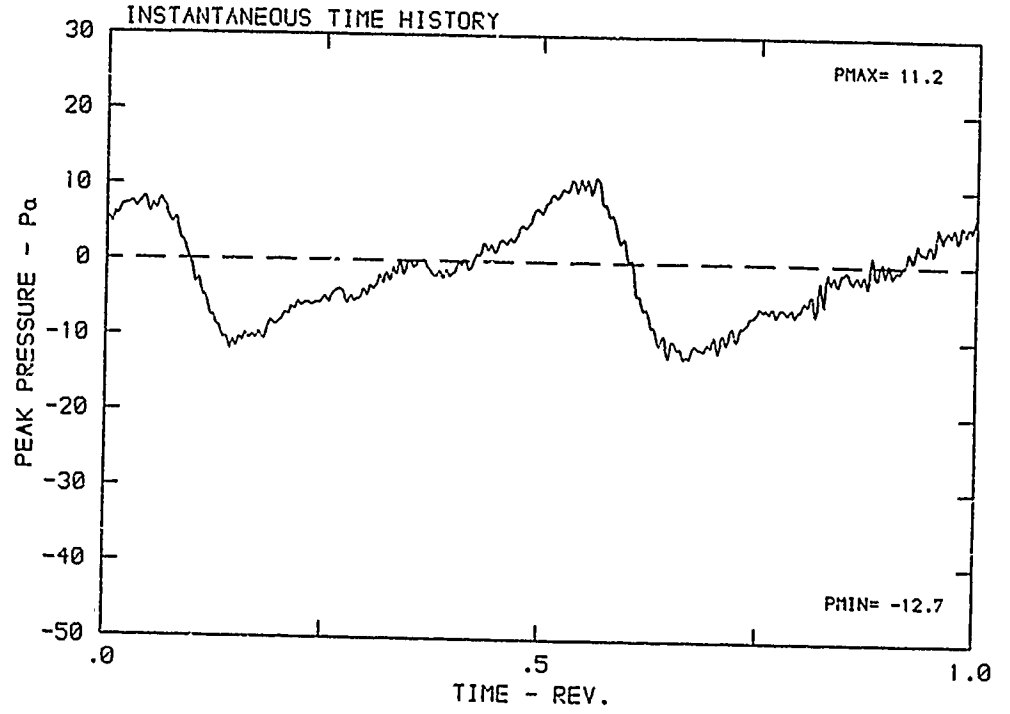
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

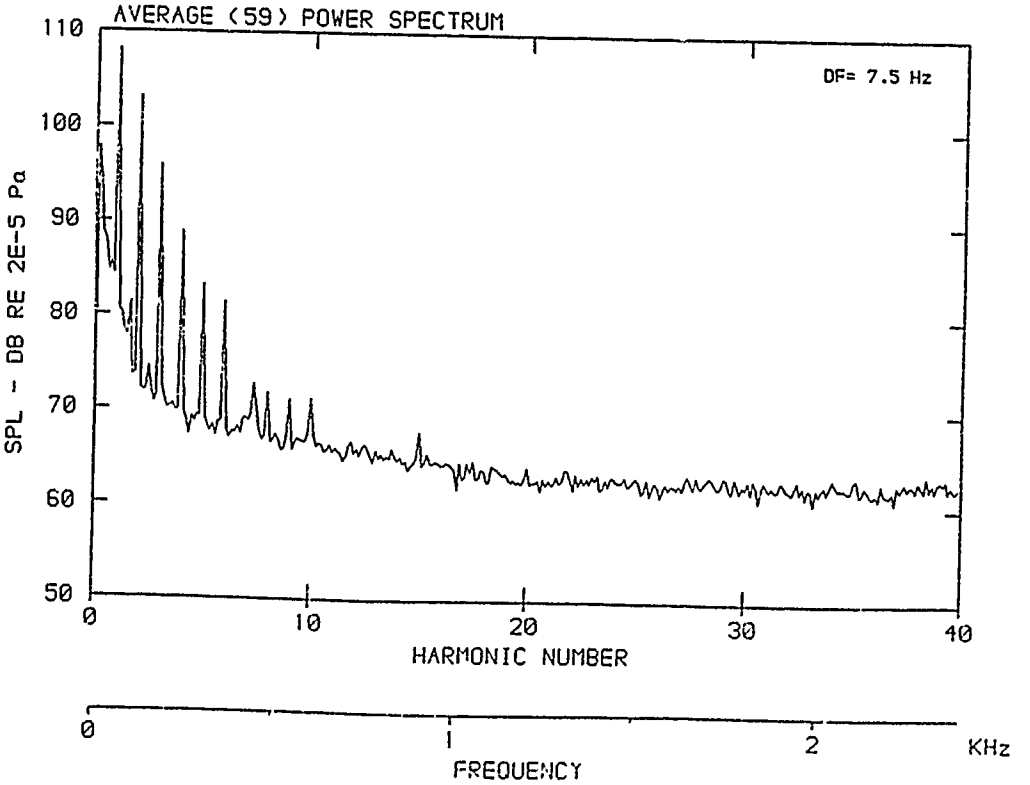




DATA POINT: DN-1 RUN: 97 MP: 3

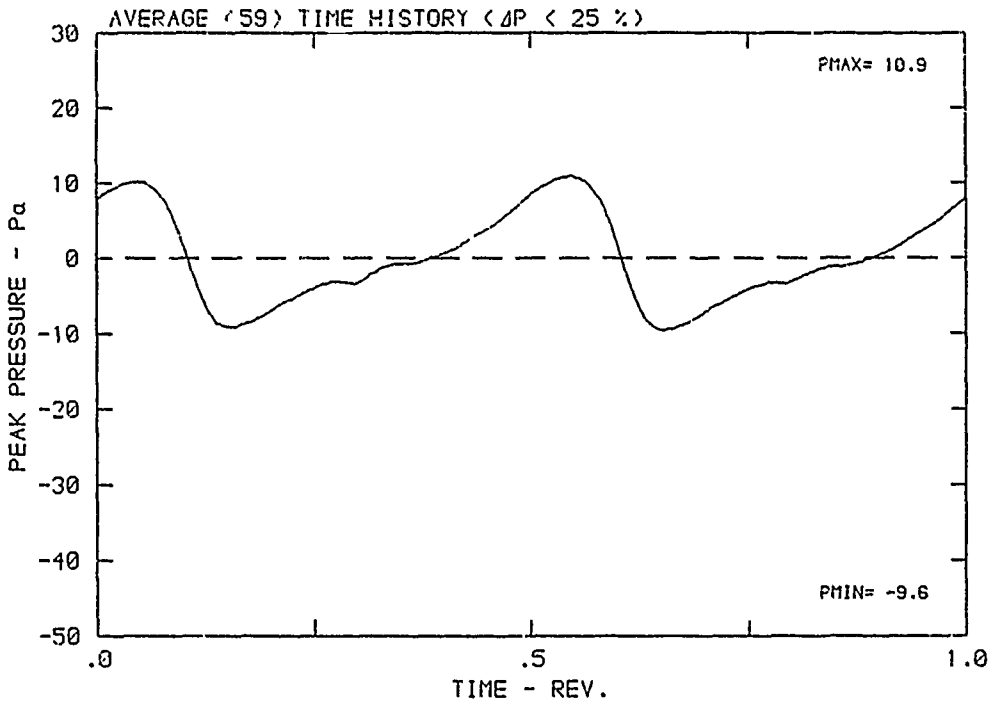
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

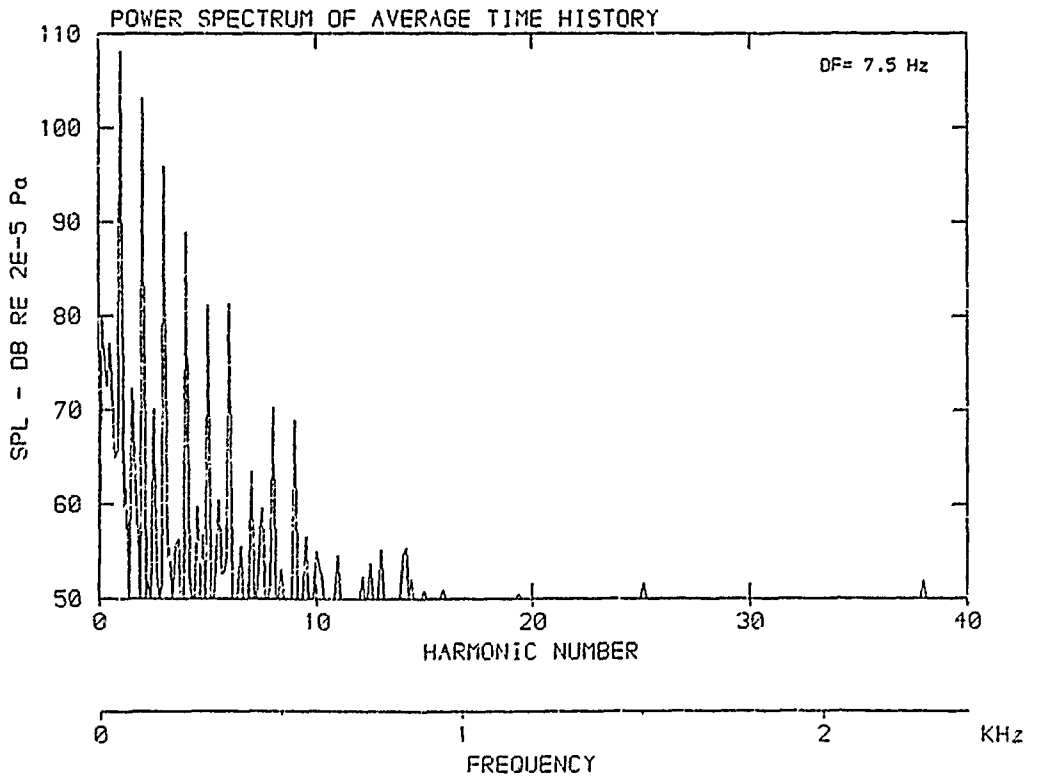




DATA POINT: DN-1 RUN: 97 MP: 3

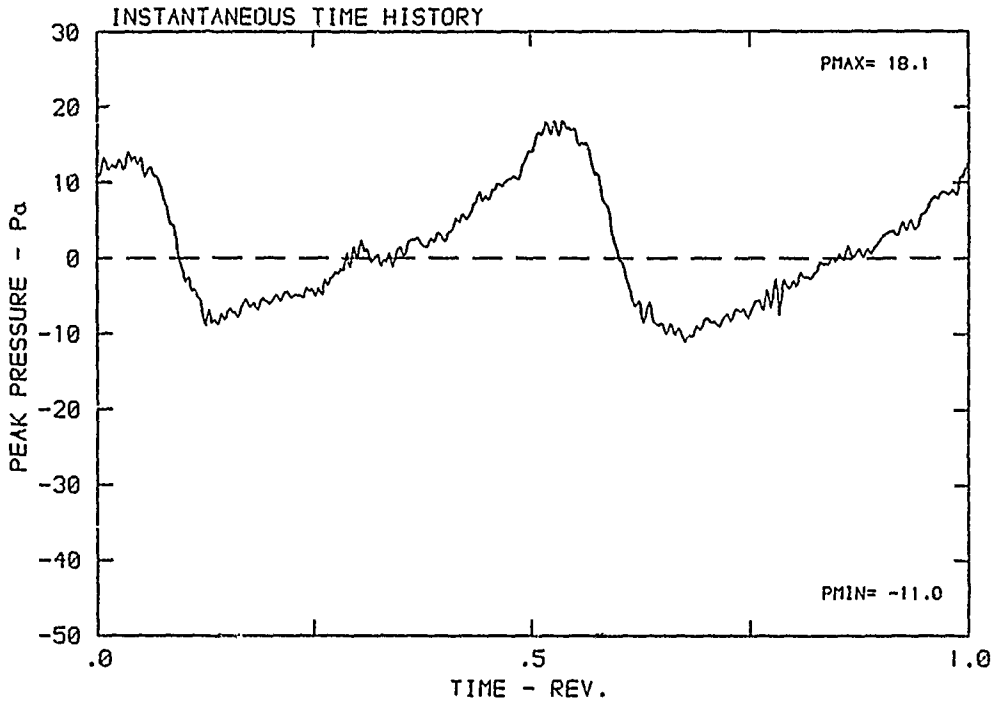
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

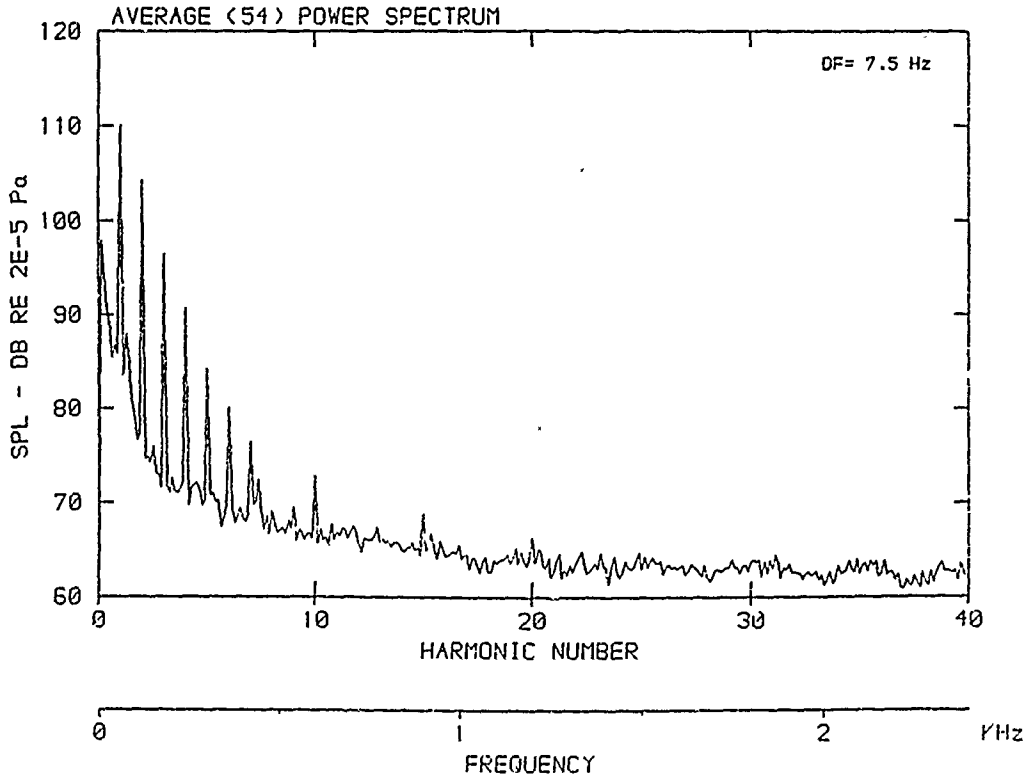




DATA POINT: DN--1 RUN: 97 MP: 4

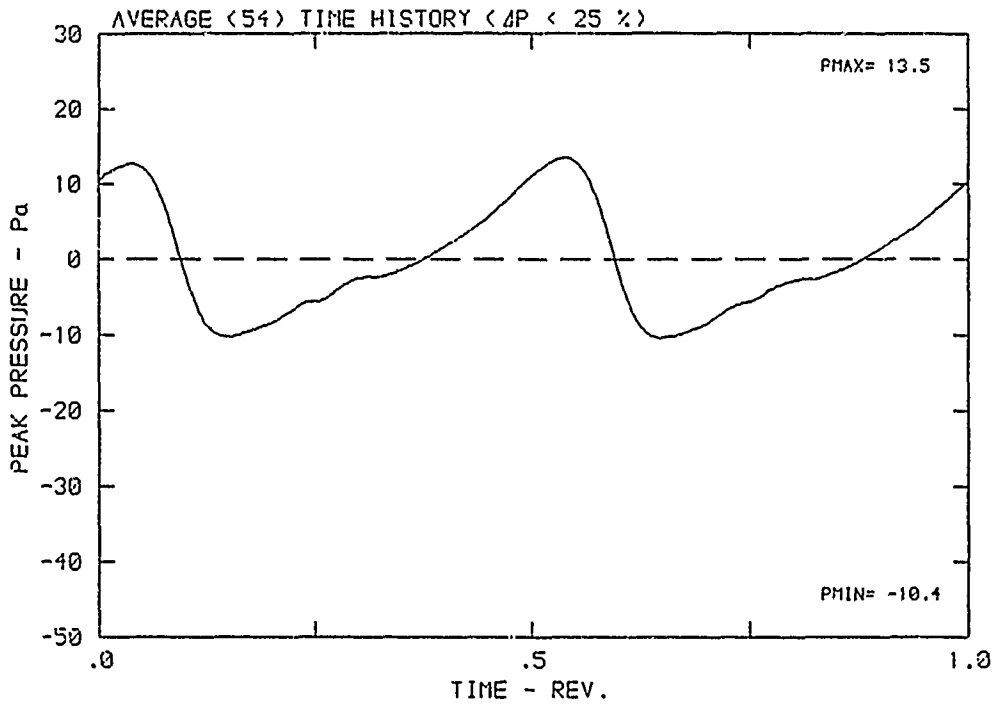
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

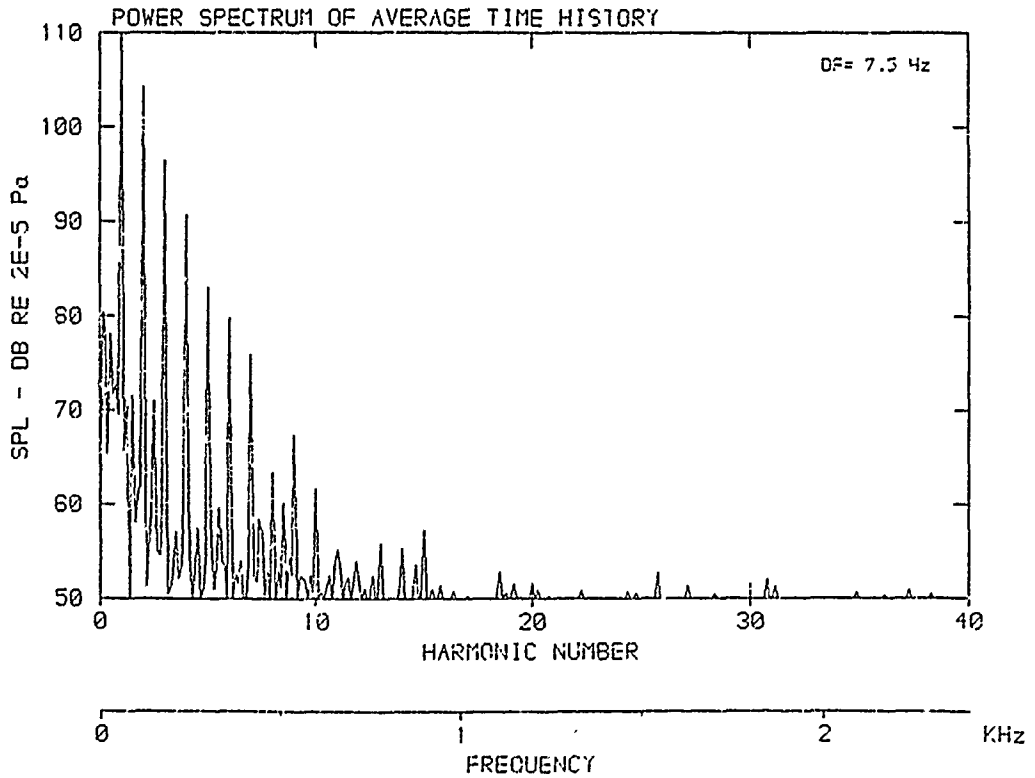




DATA POINT: DN-1 RUN: 97 MP: 4

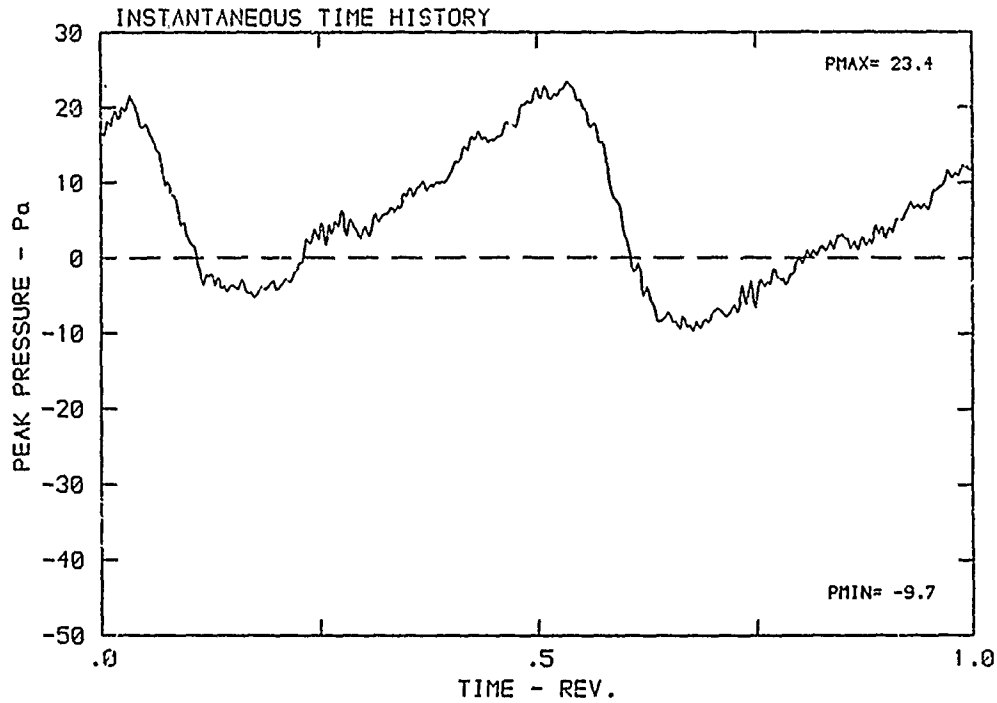
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

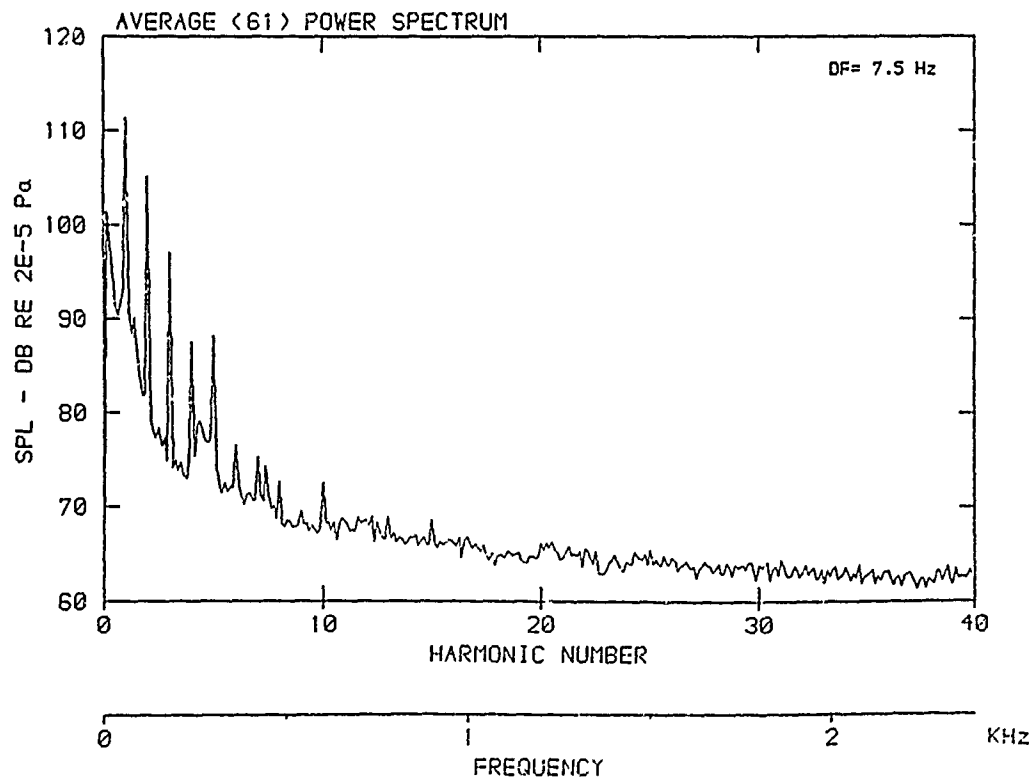




DATA POINT: DN-1 RUN: 97 MP: 5

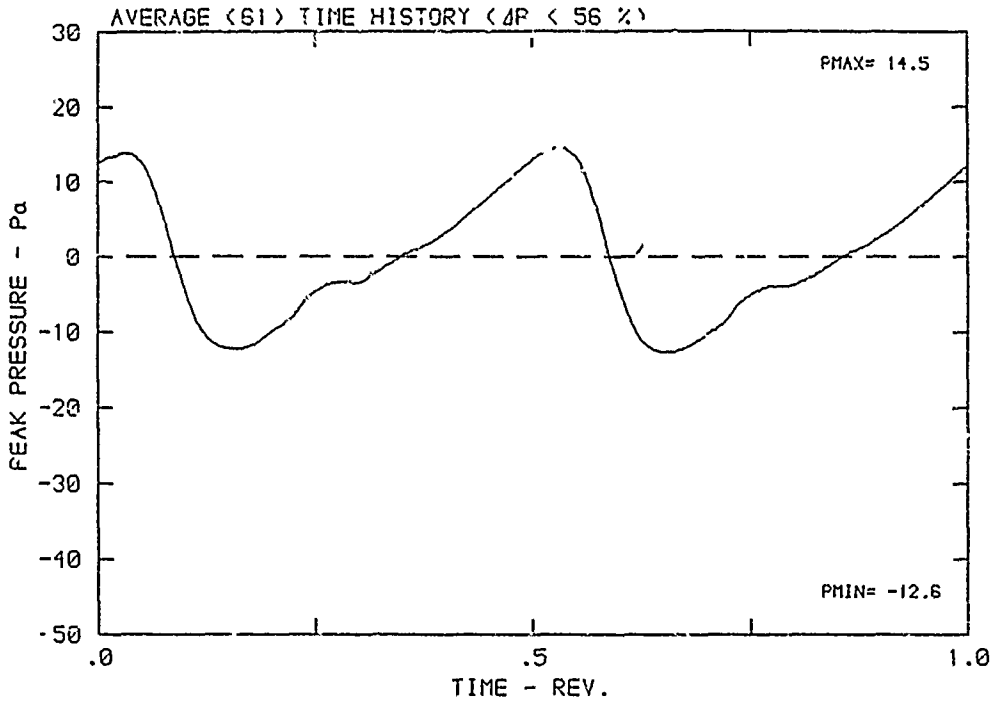
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

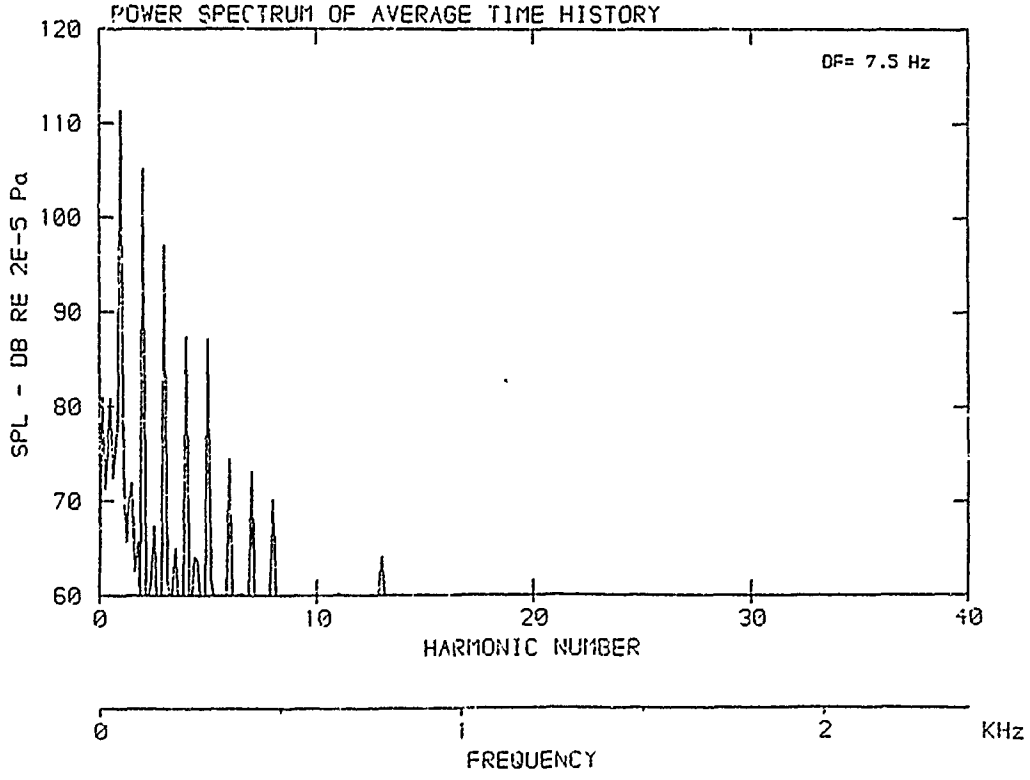




DATA POINT: DN-1	RUN: 97	MP: 5

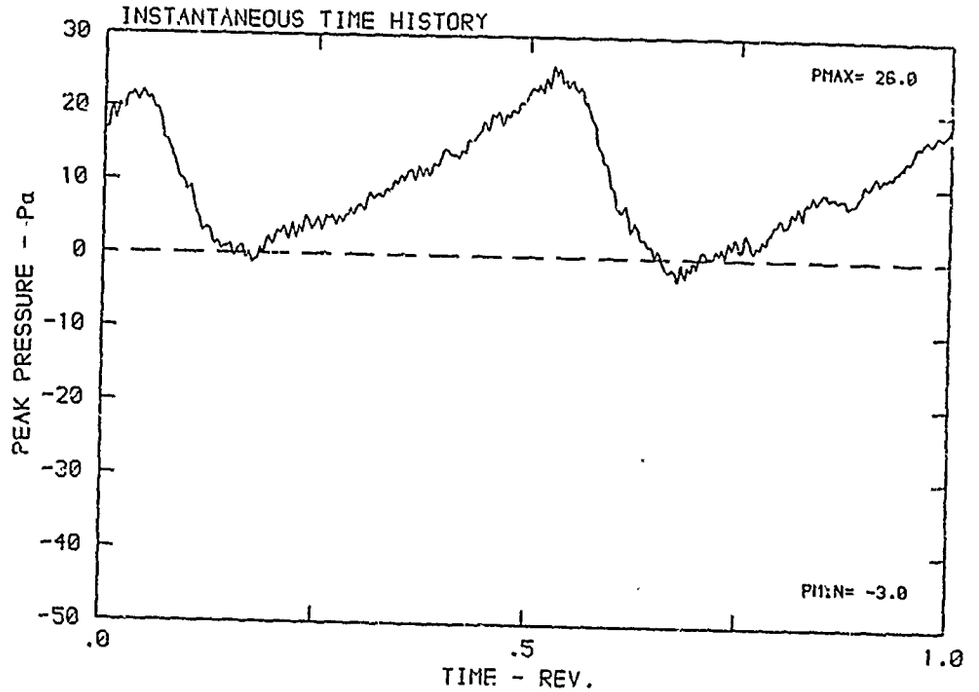
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

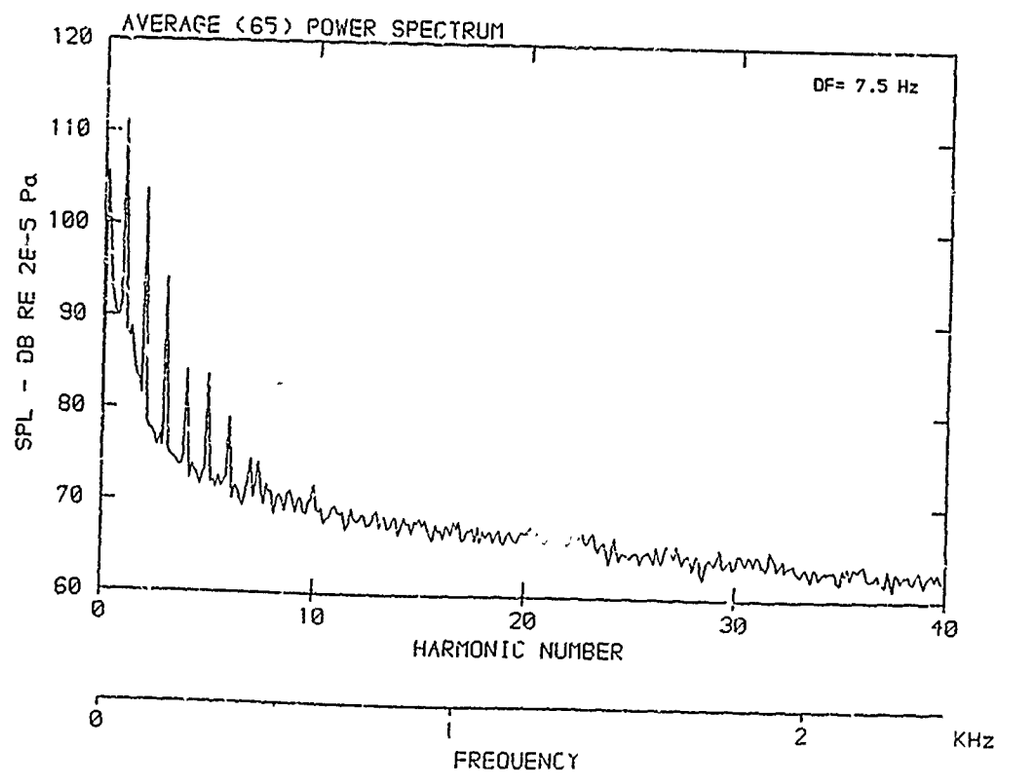




DATA POINT: DN-1 RUN: 97 MP: 6

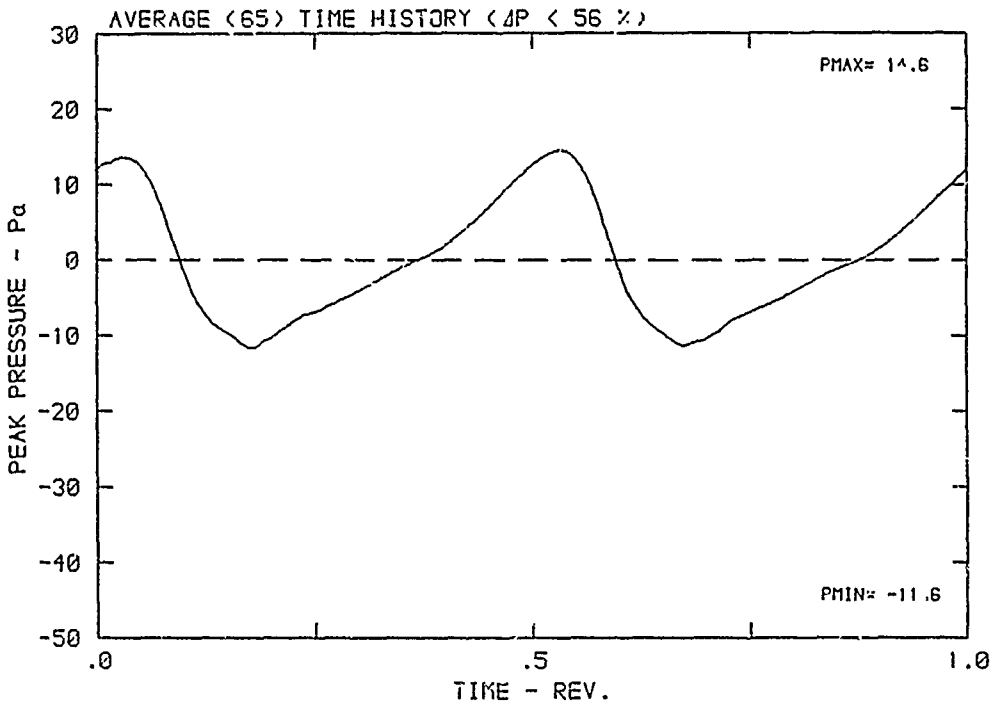
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

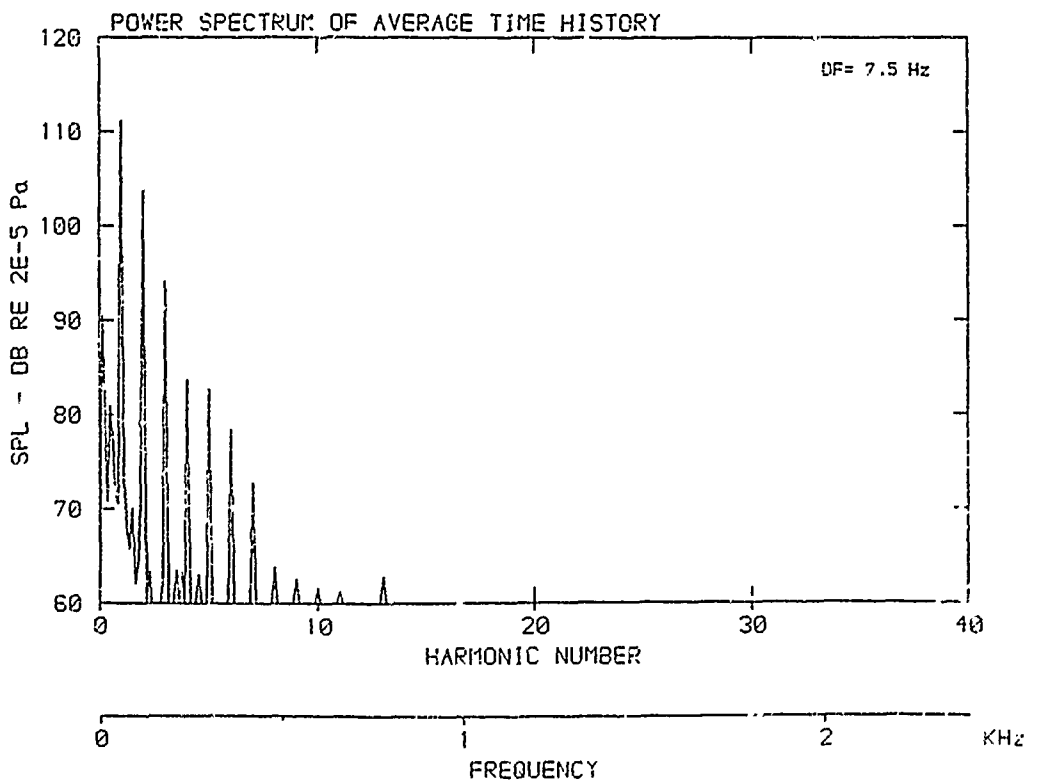




DATA POINT: DN-1 RUN: 97 MP: 6

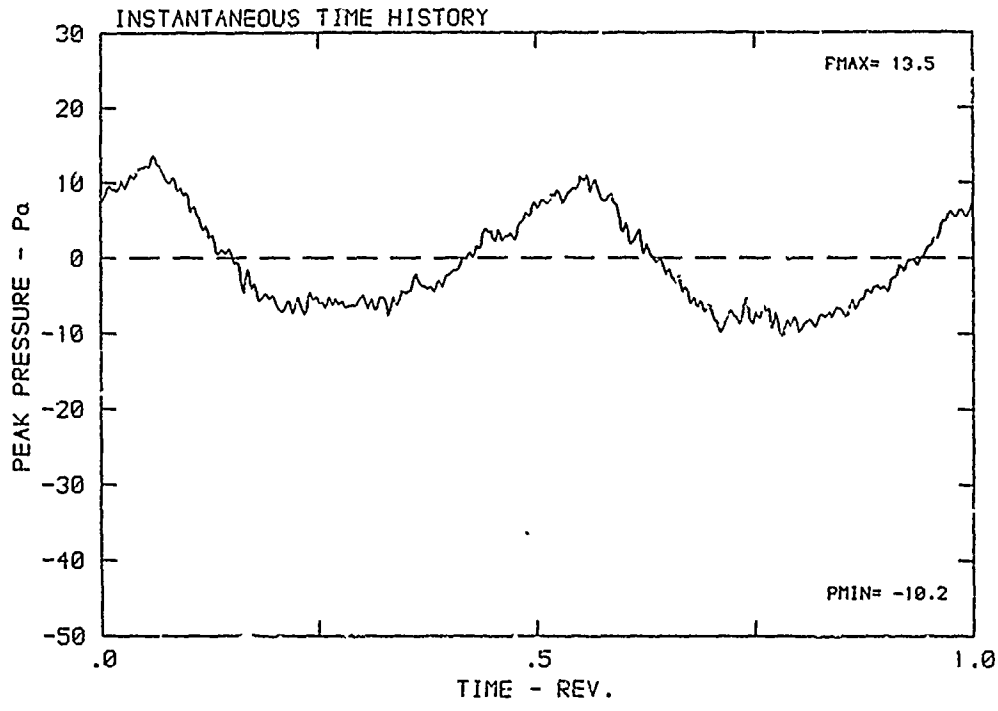
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

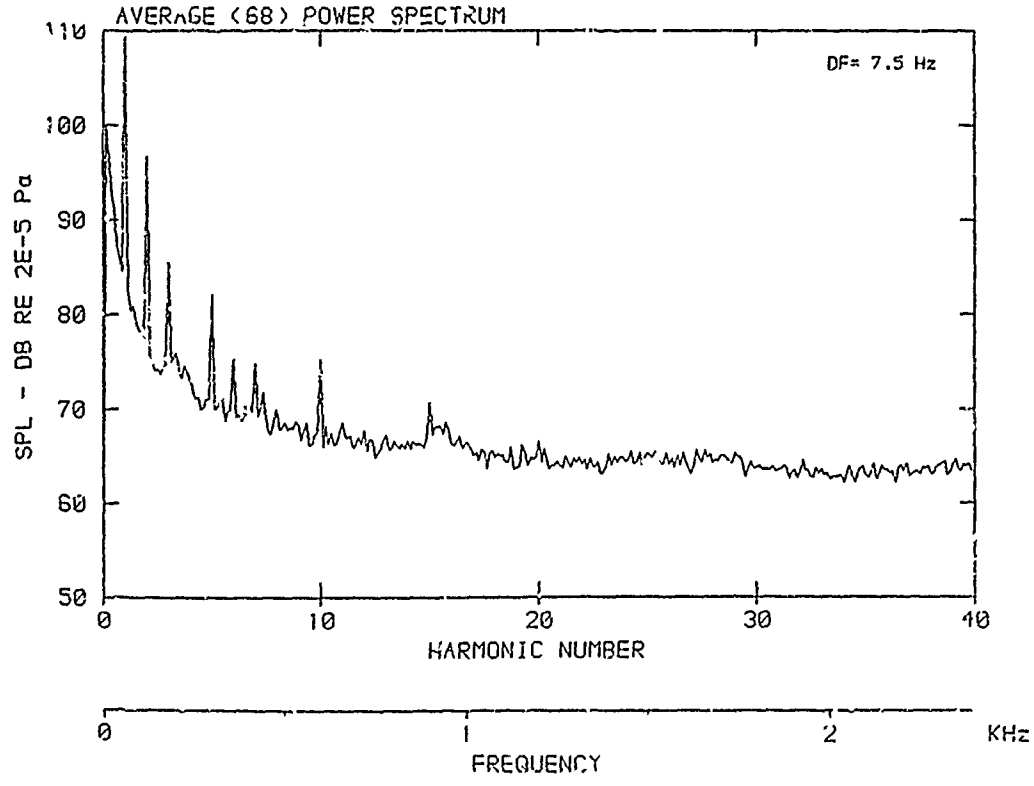




DATA POINT: DN-1 RUN: 97 MP: 7

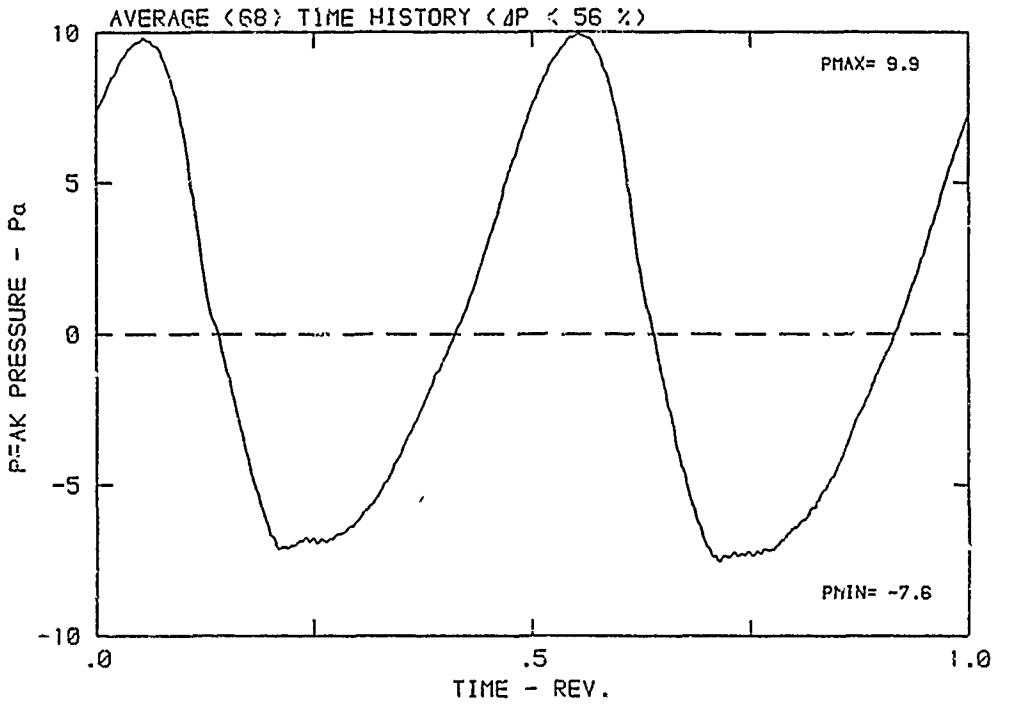
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 k

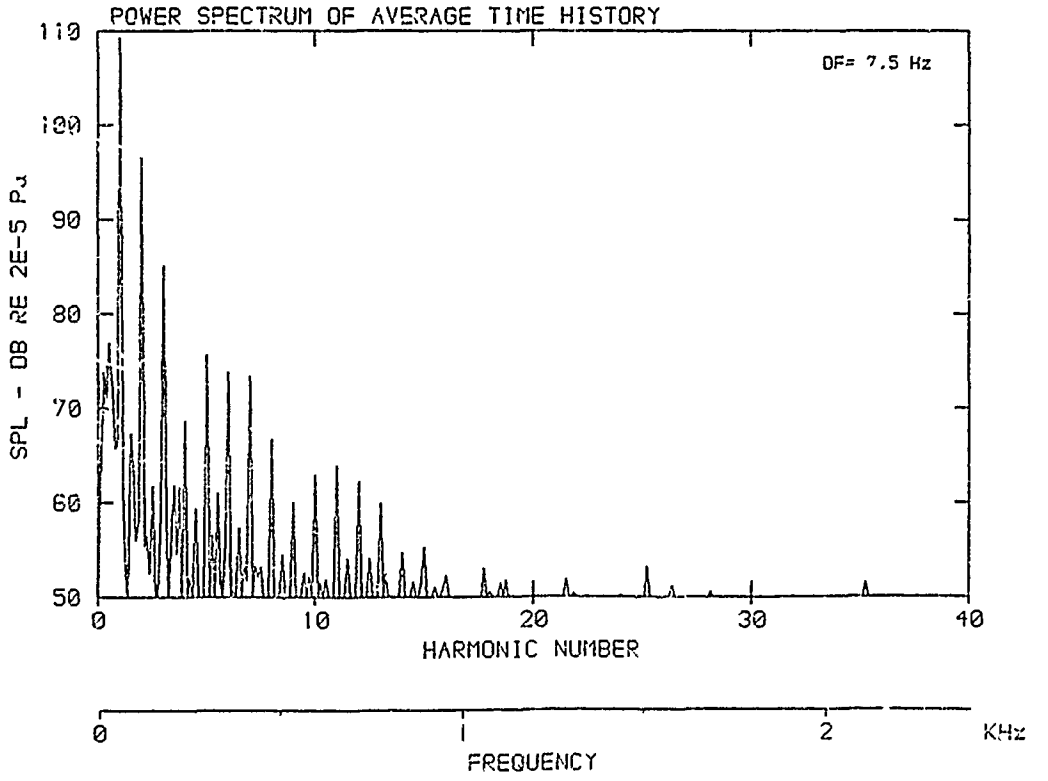




DATA POINT: DN-1	RUN: 97	MP: 7

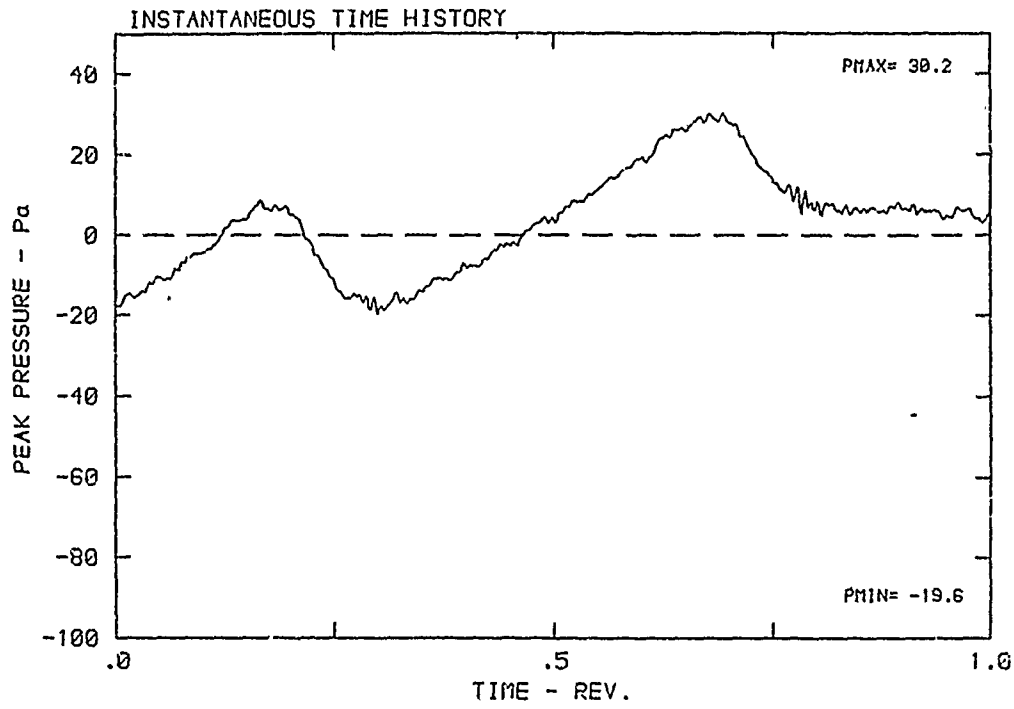
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

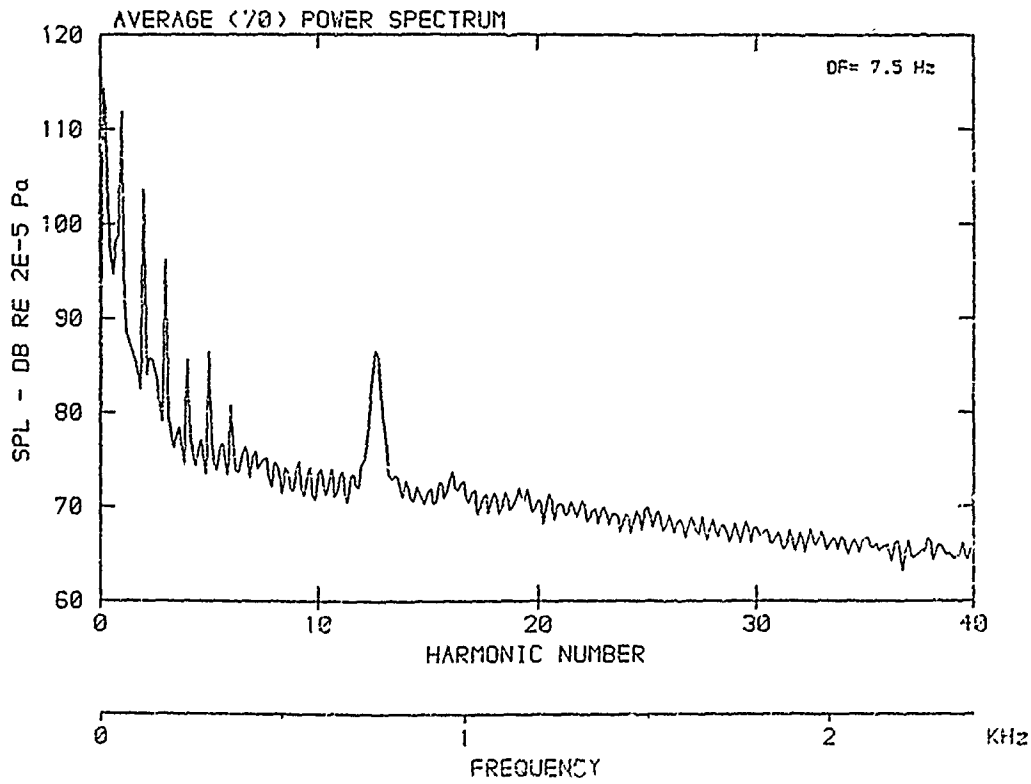




DATA POINT: DN-1 RUN: 97 MP: 9

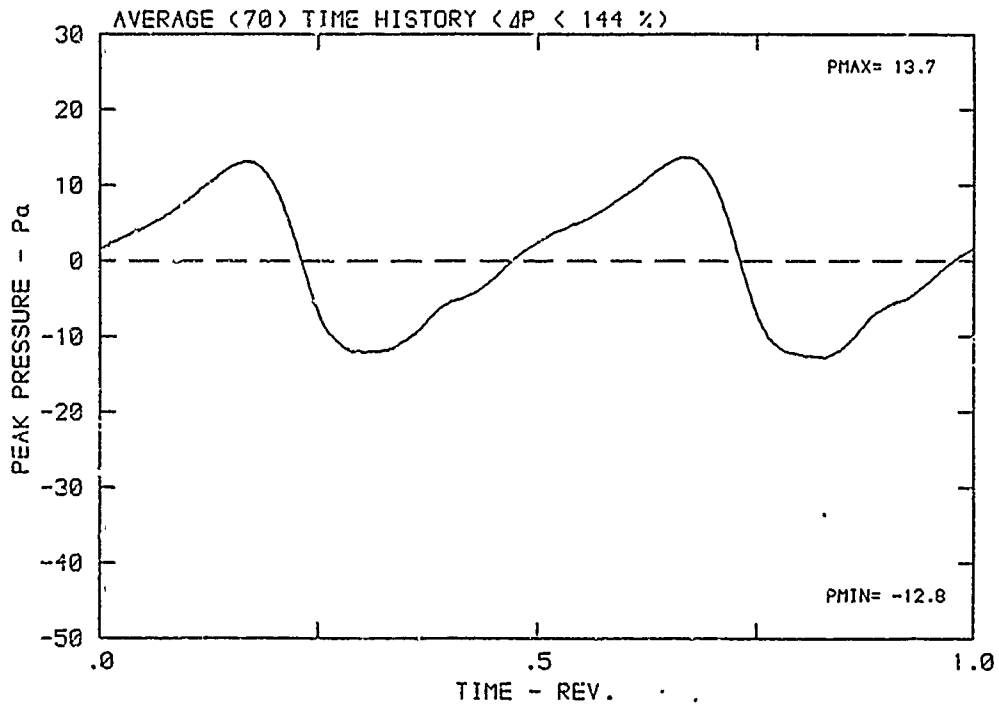
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

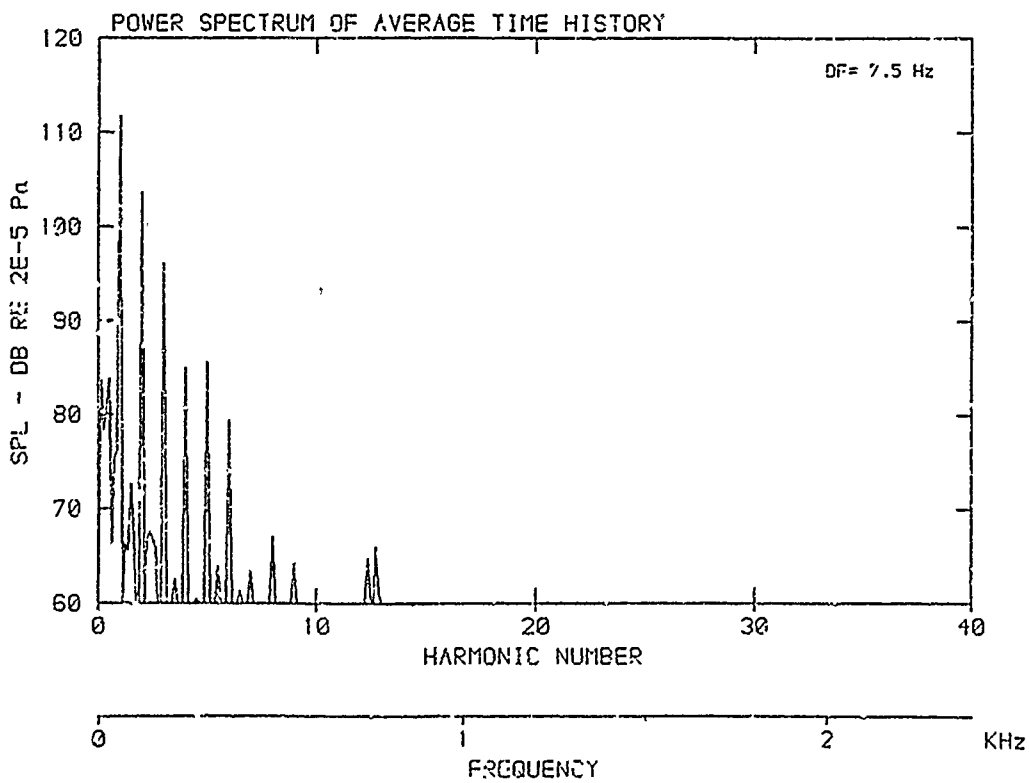




DATA POINT: DN-1	RUN: 97	MP: 9

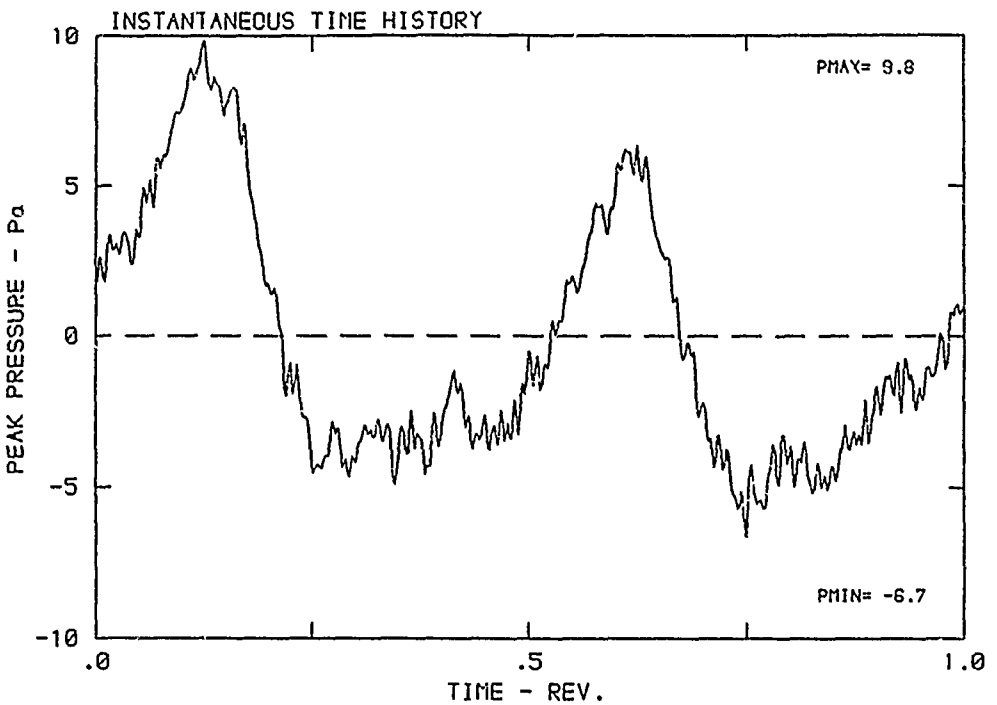
β: 29.0° MH: .5785 n: 1800 rpm v/u: .229 ϕ: .0° T: 287.0 K

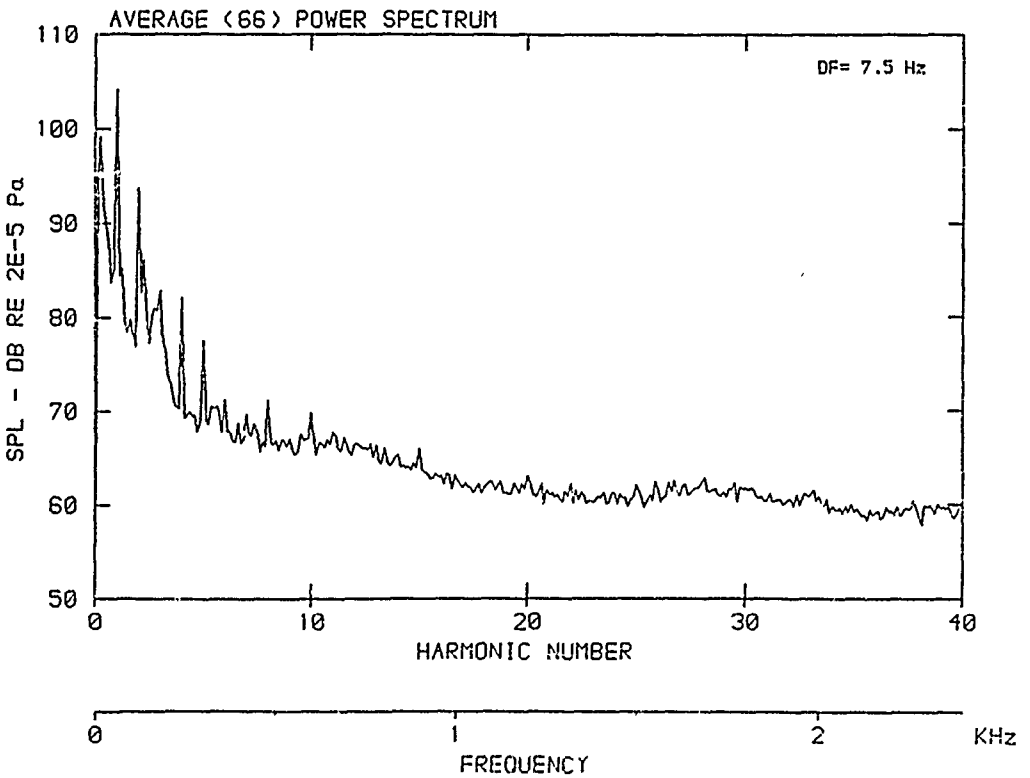




DATA POINT: DN-2 RUN: 93 MP: 1

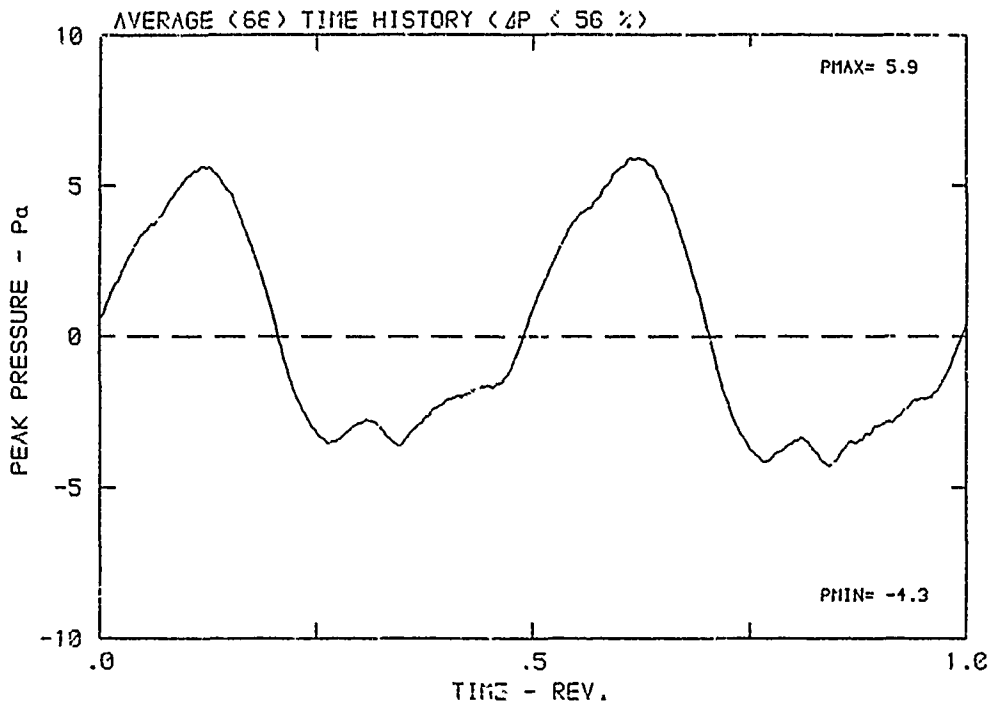
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

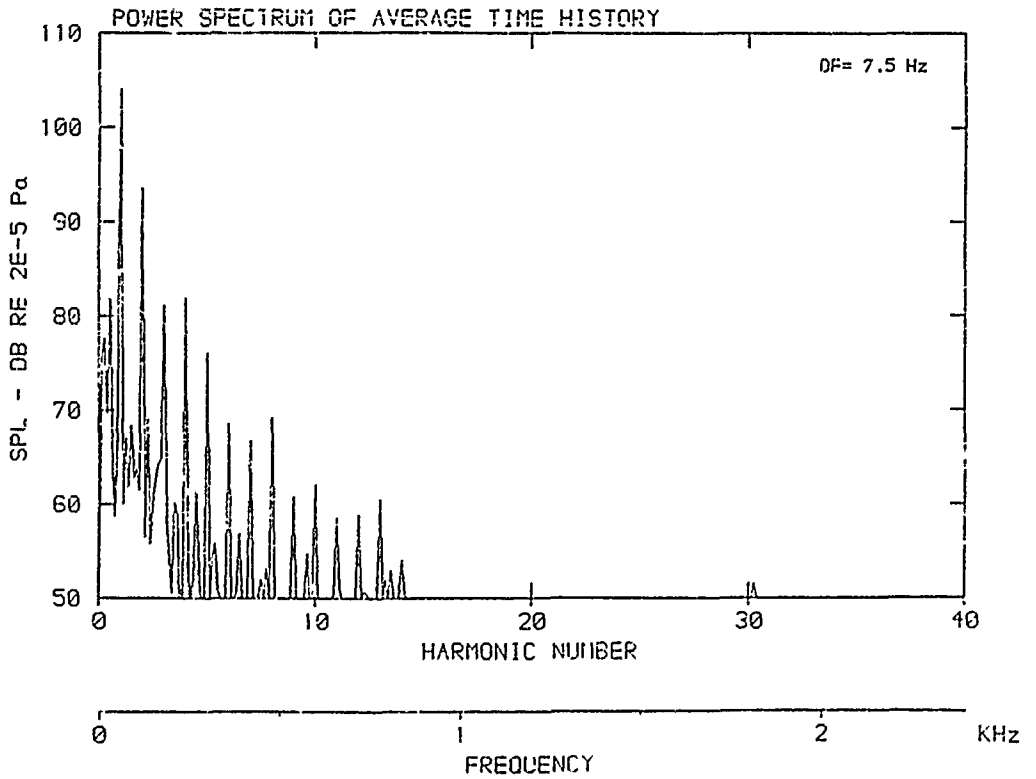




DATA POINT: DN-2 RUN: 93 MP: 1

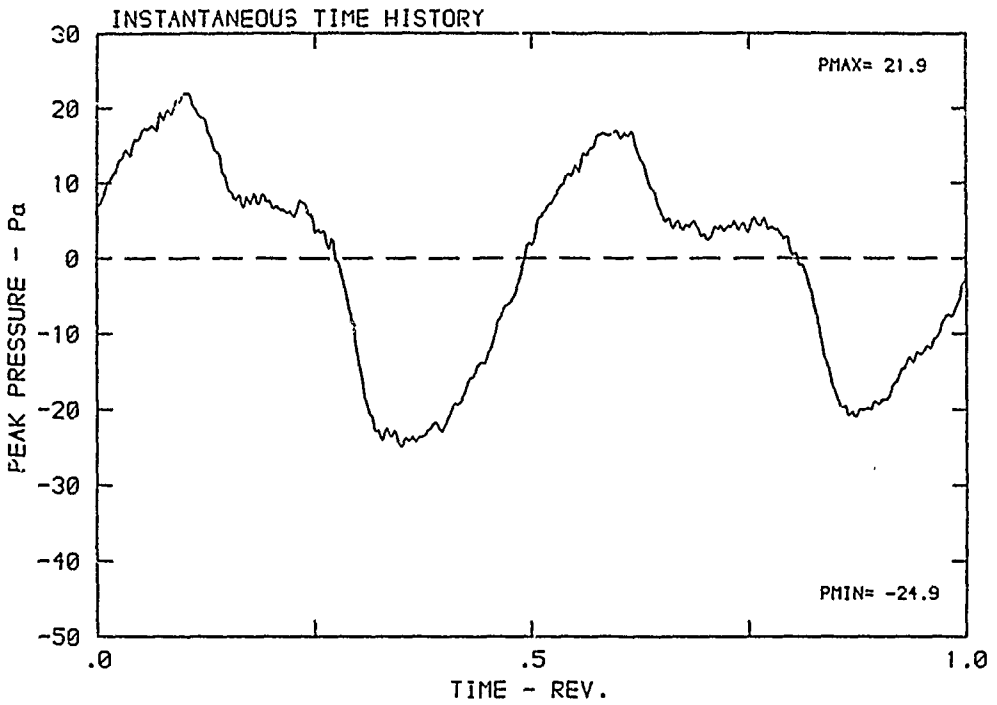
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

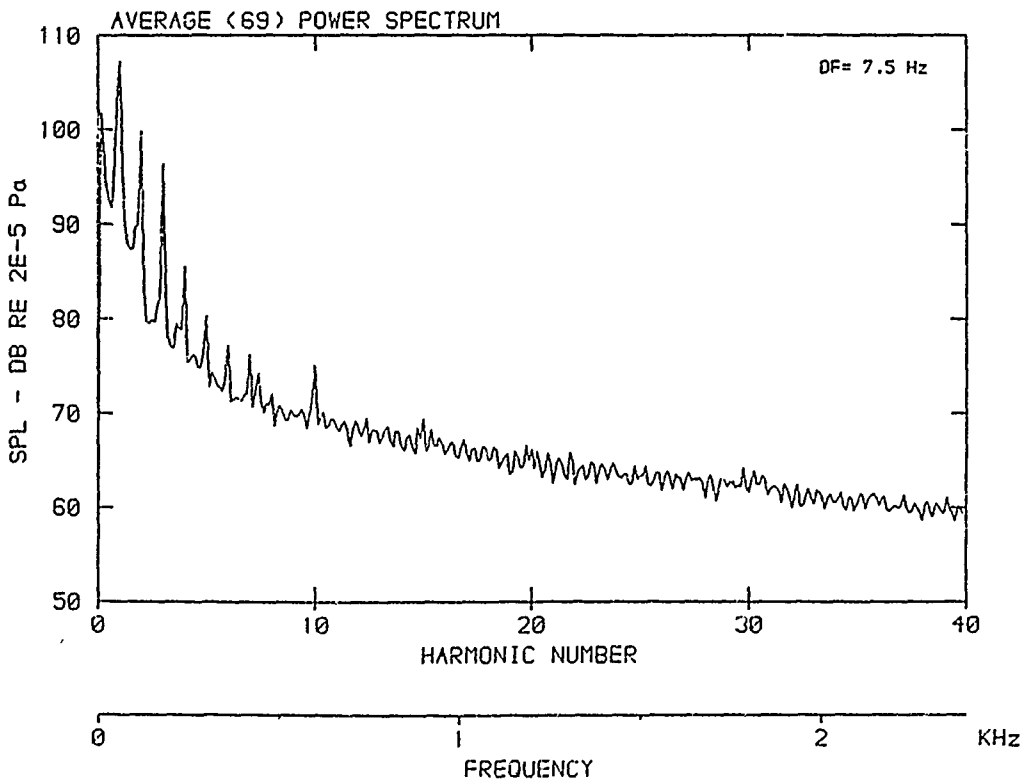




DATA POINT: DN-2 RUN: 93 MP: 2

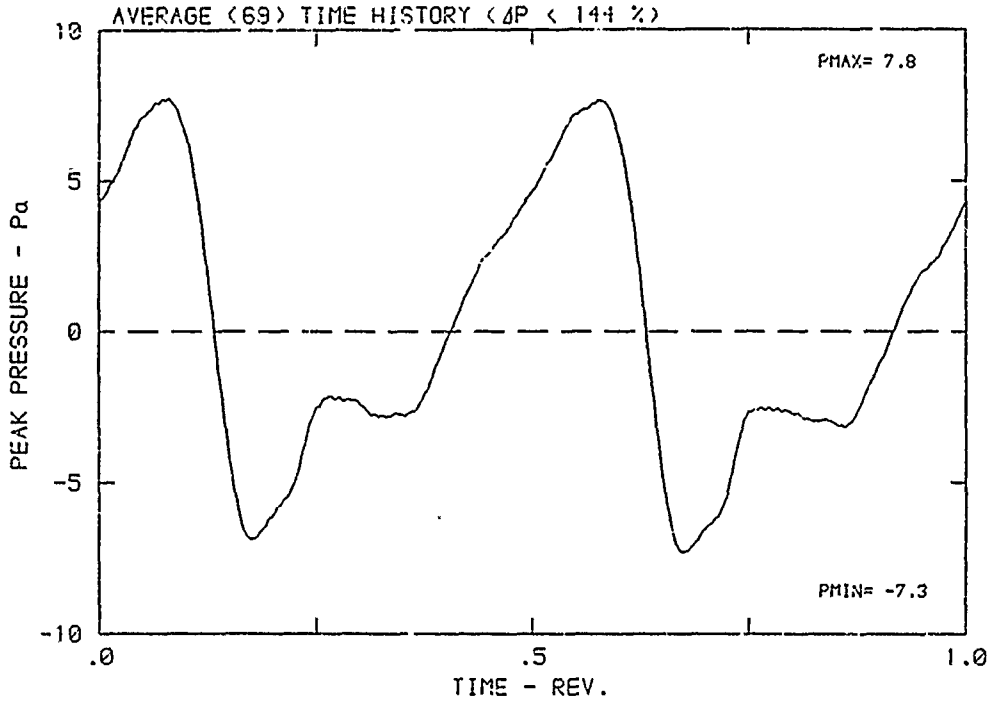
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

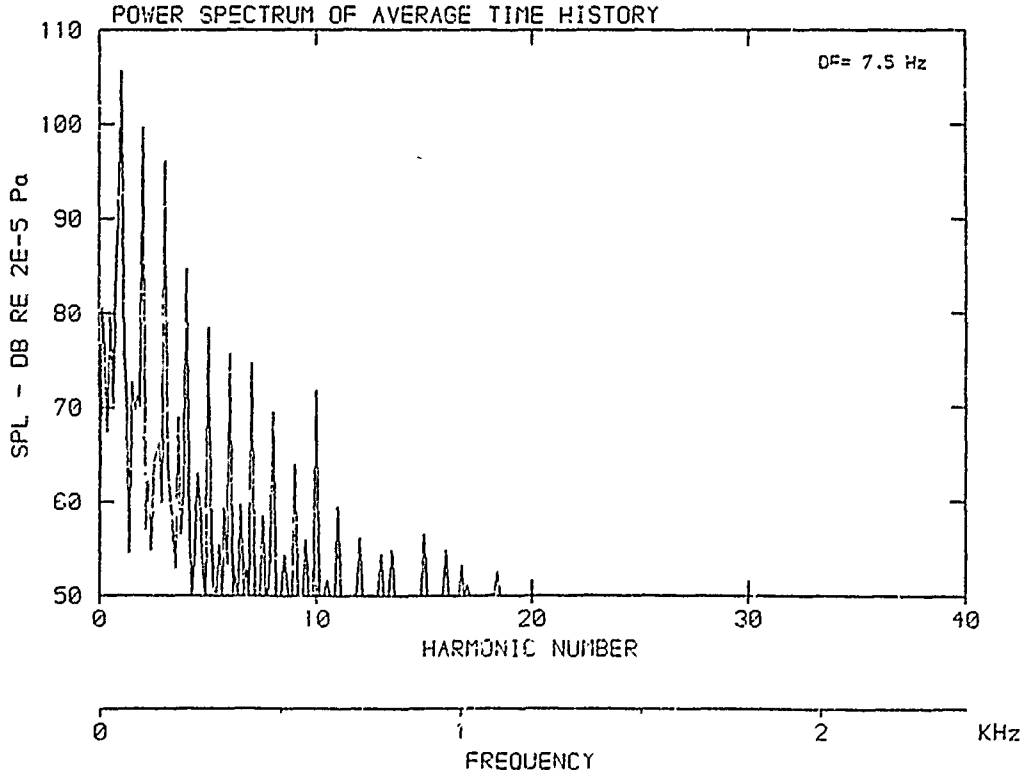




DATA POINT: DN-2	RUN: 93	MP: 2

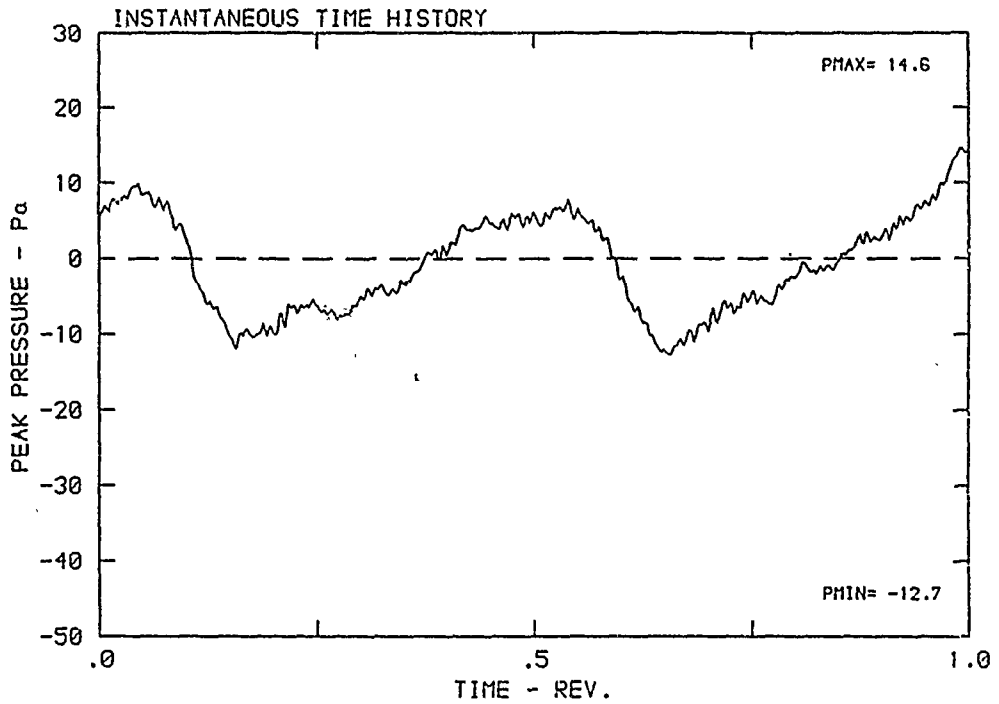
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

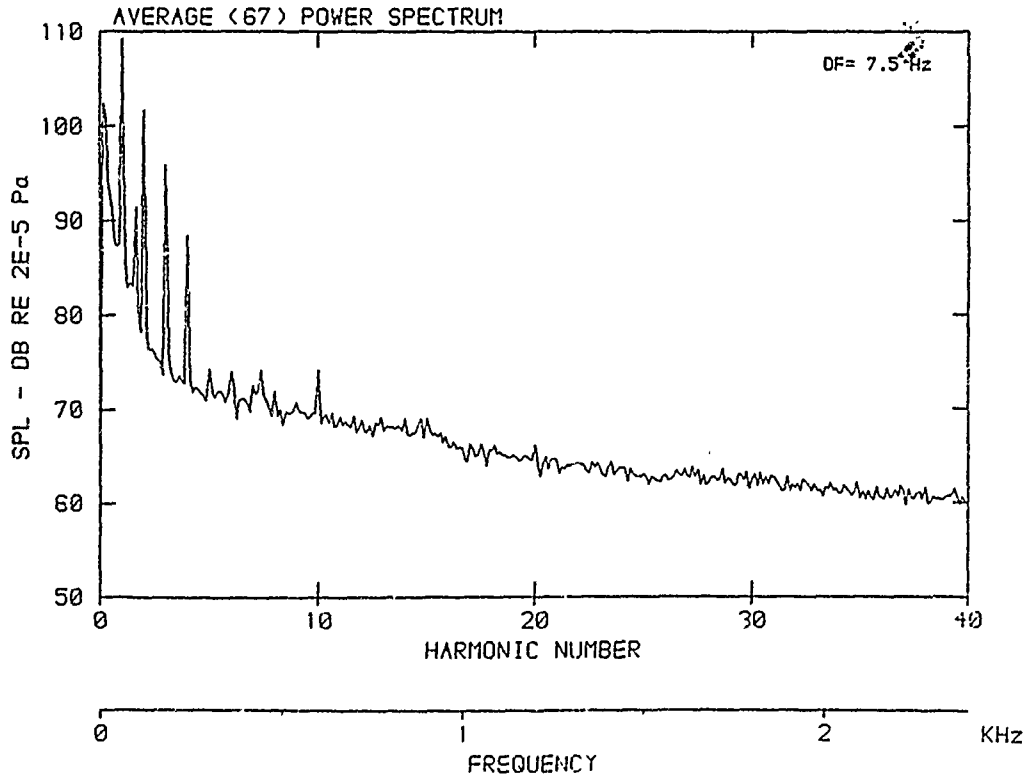




DATA POINT: DN-2 RUN: 93 MP: 3

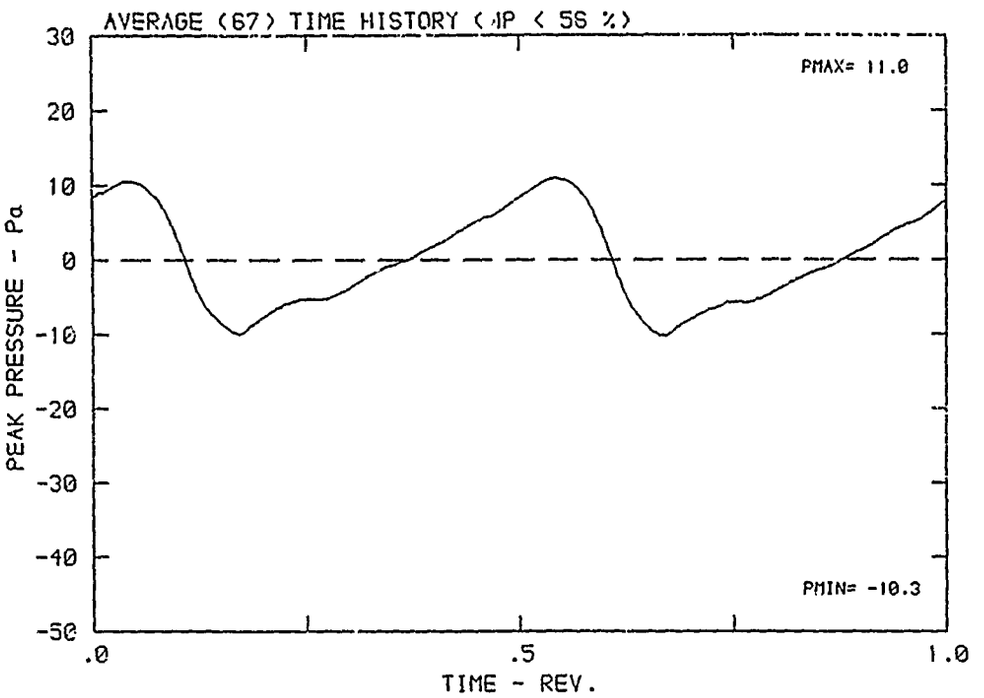
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

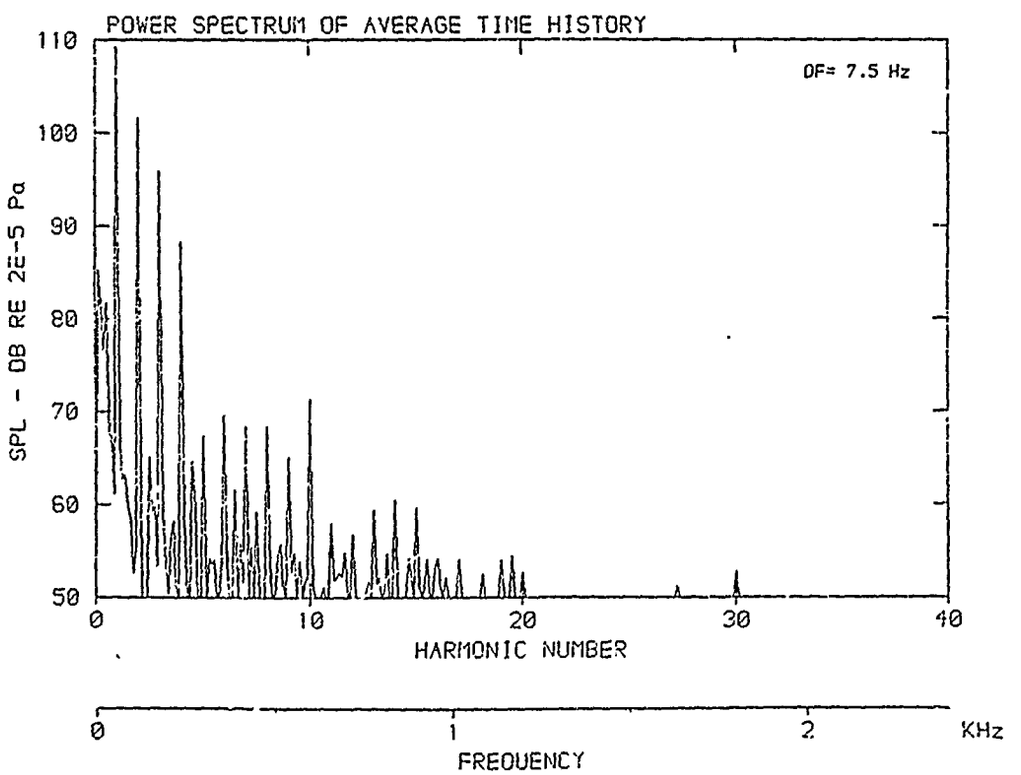




DATA POINT: DN-2	RUN: 93	MP: 3

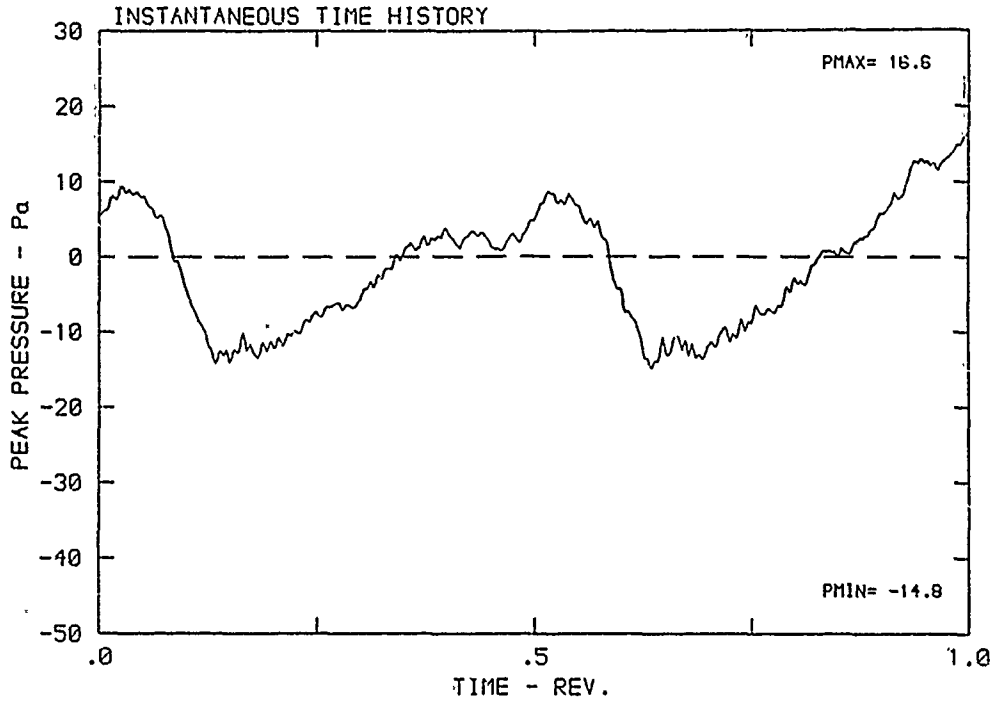
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

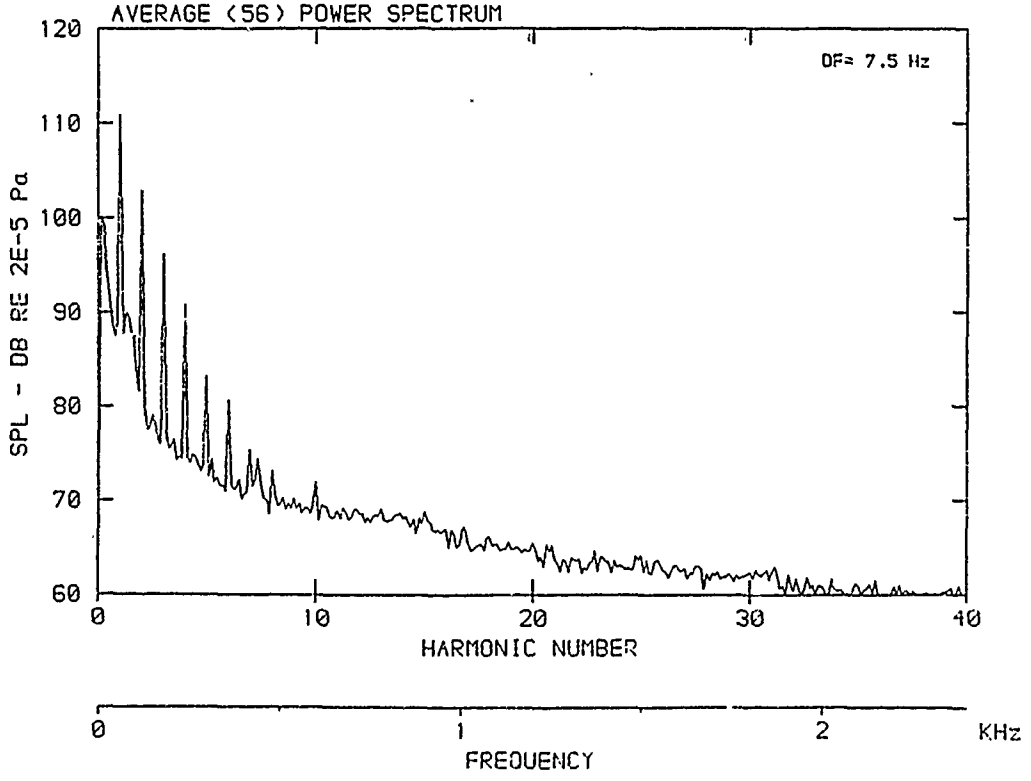




DATA POINT: DN-2 RUN: 93 MP: 4

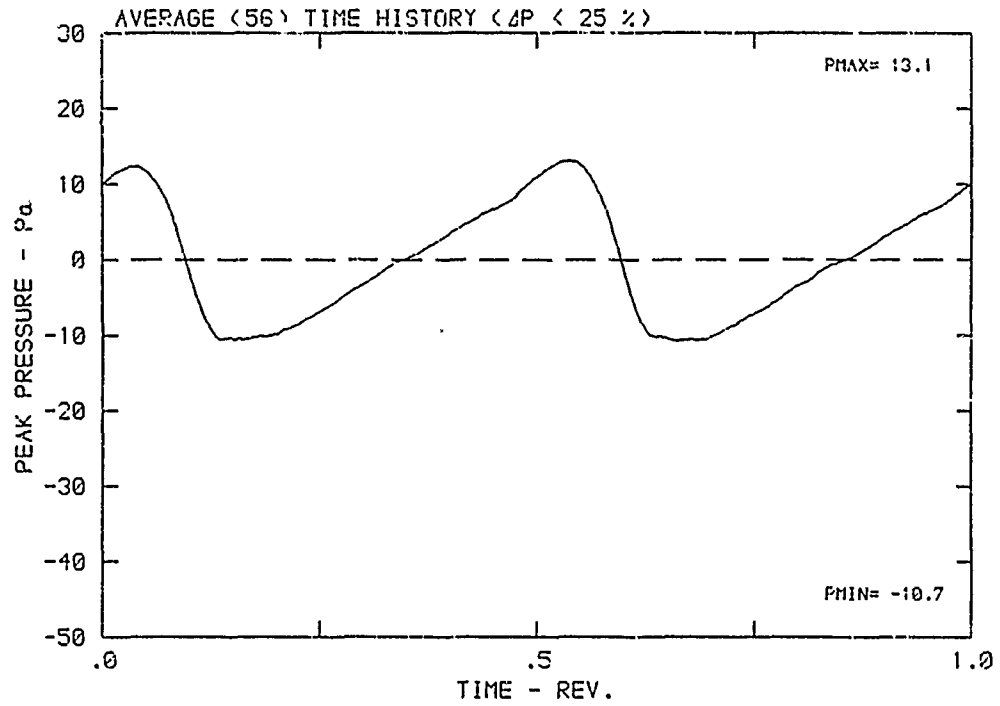
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

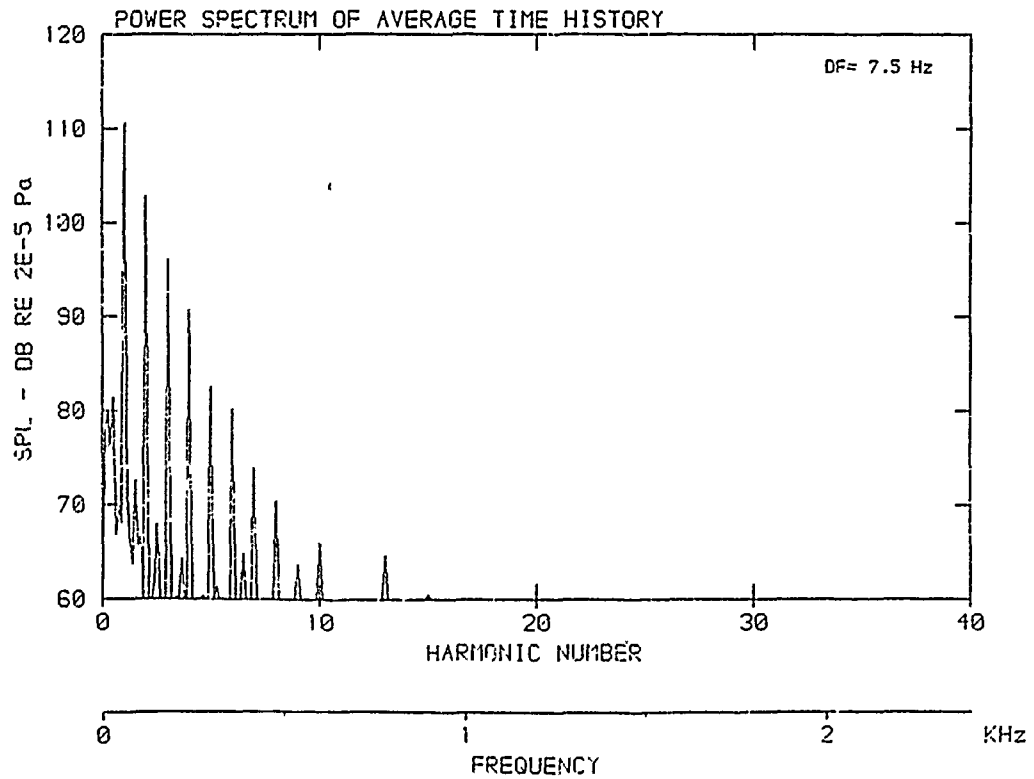




DATA POINT: DN-2 RUN: 93 MP: 4

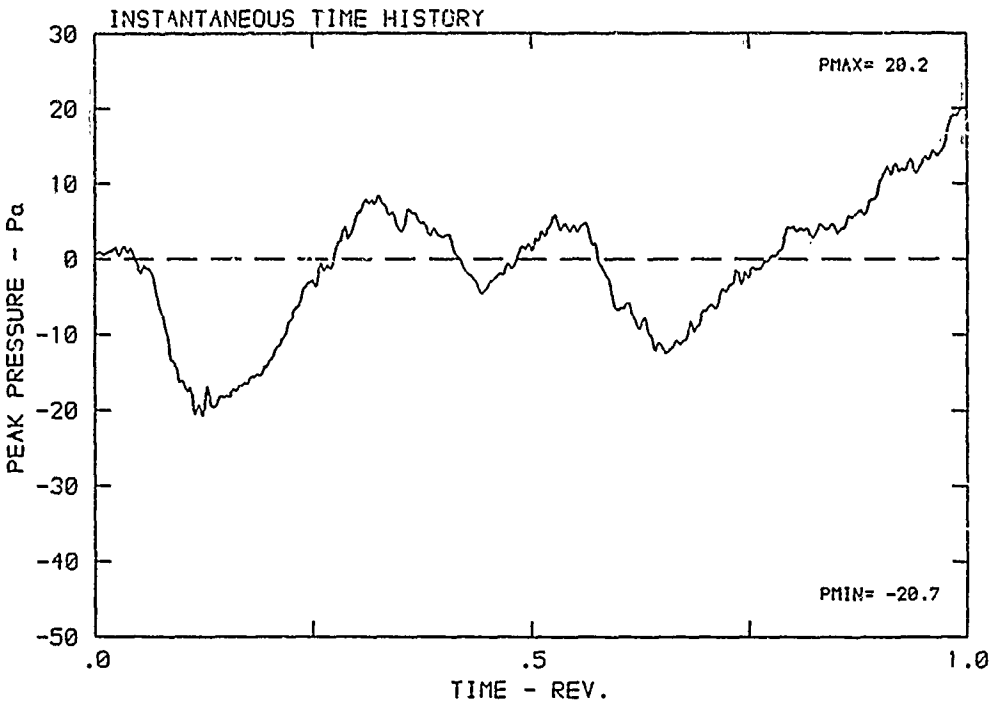
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

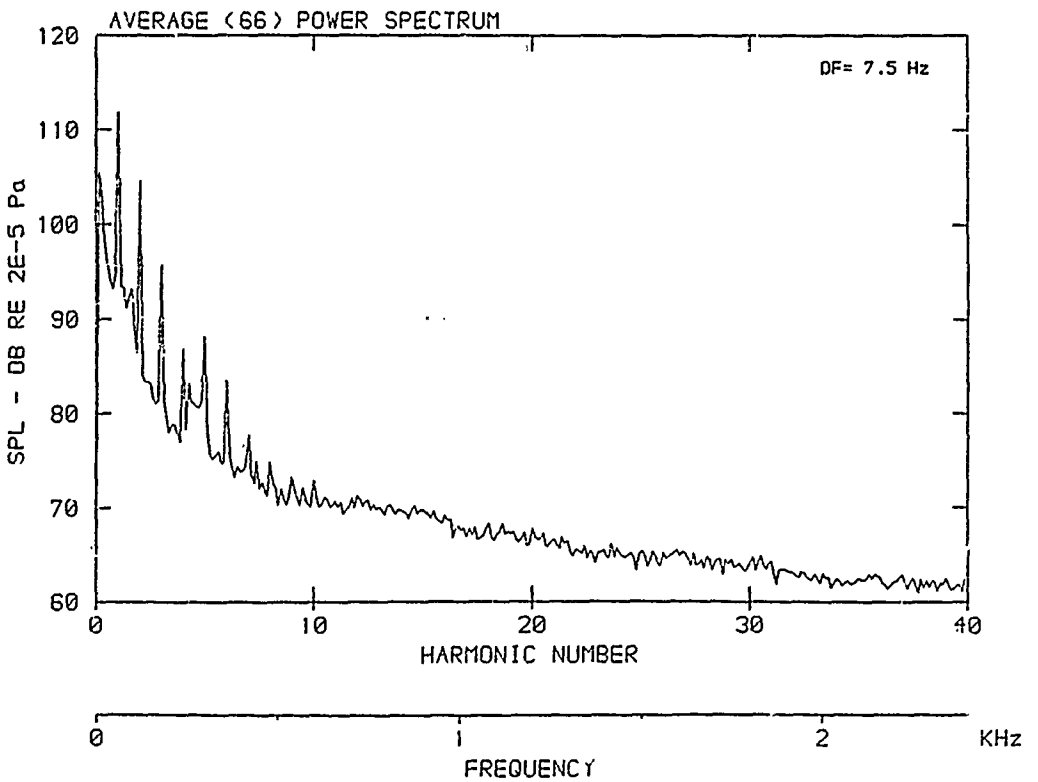




DATA POINT: DN-2 RUN: 93 MP: 5

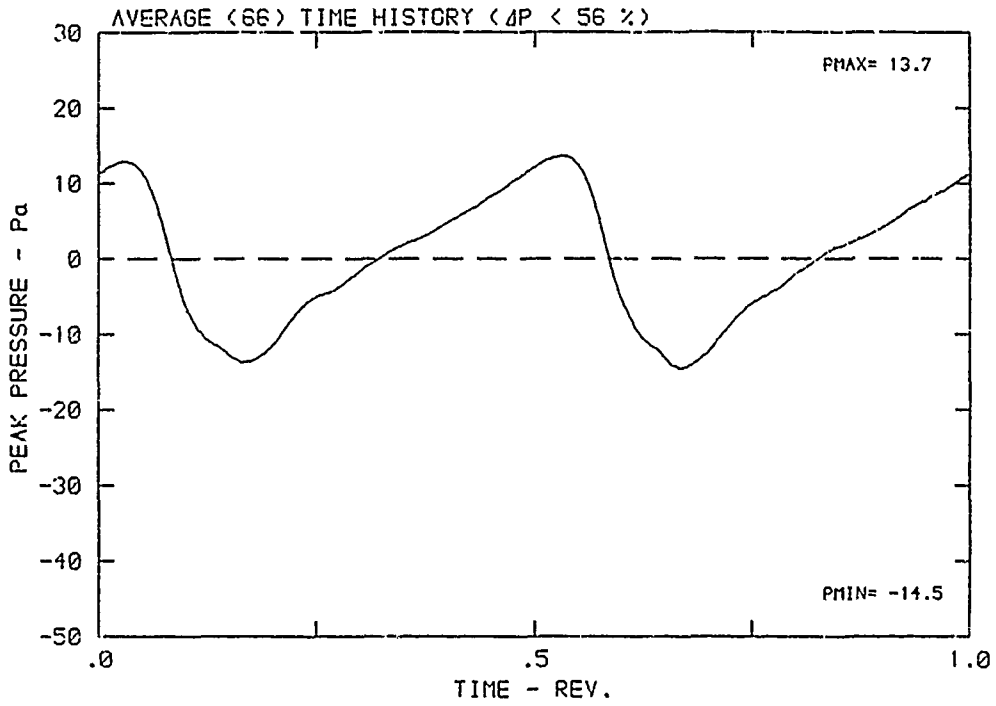
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ψ: .0° T: 285.6 K

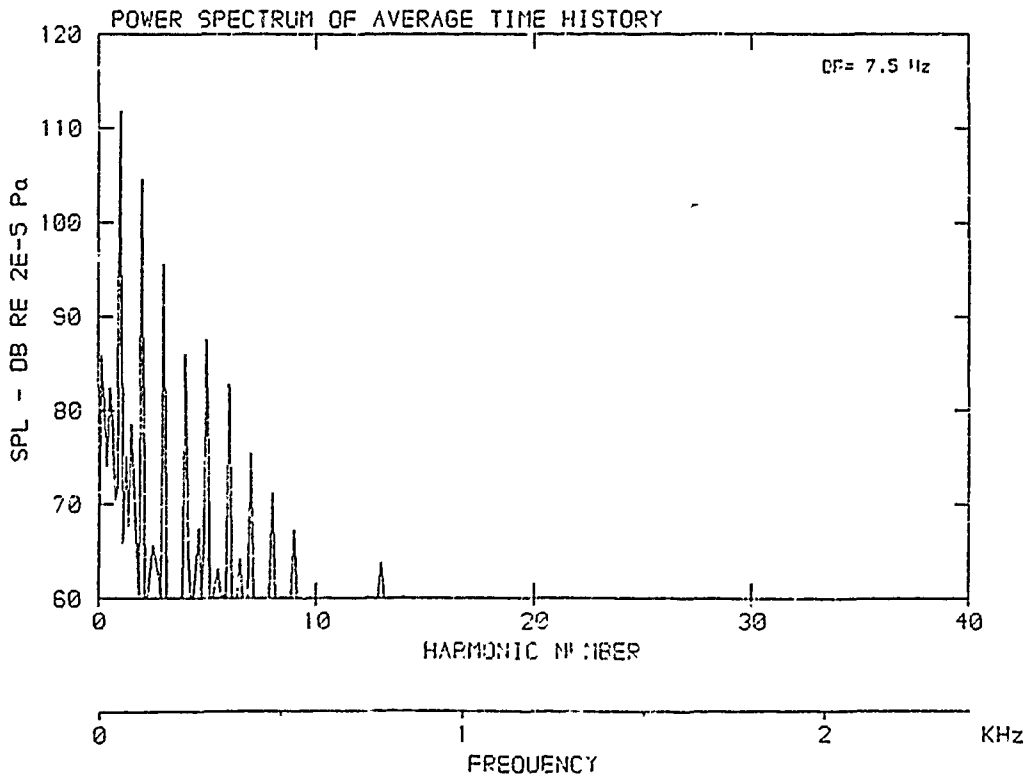




DATA POINT: DN-2	RUN: 93	MP: 5

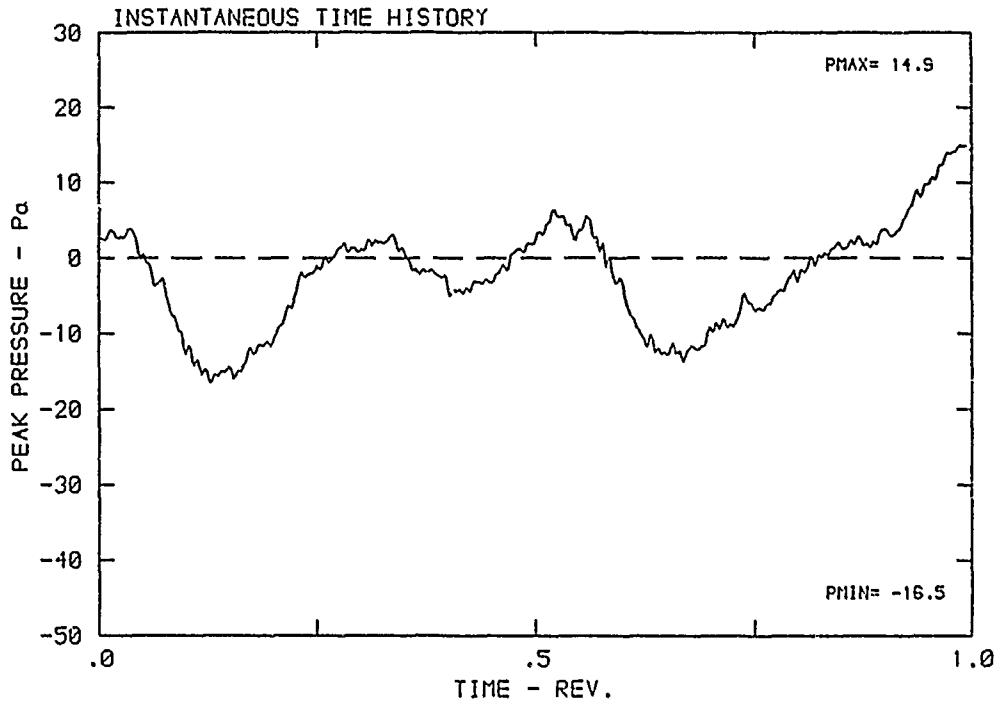
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

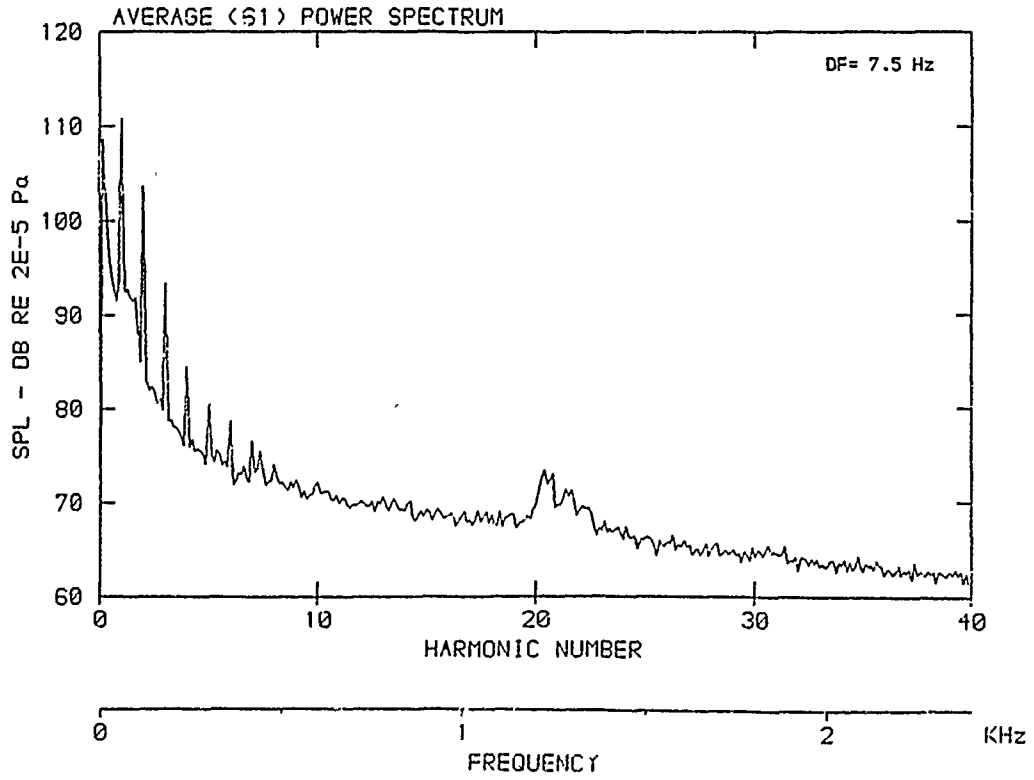




DATA POINT: DN-2	RUN: 93	MP: 6

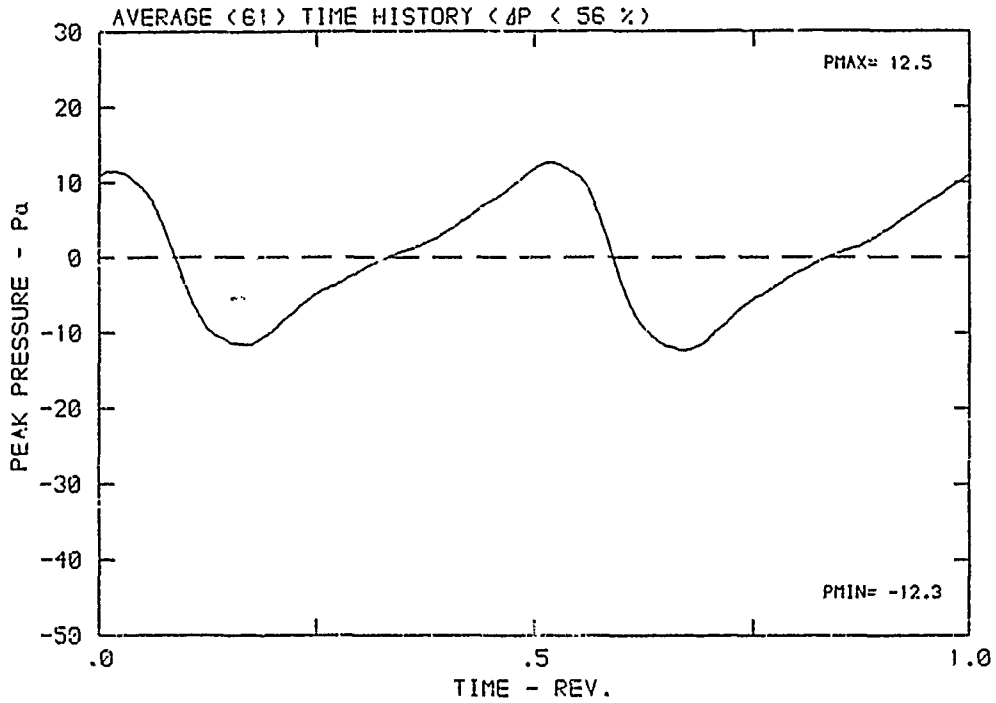
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

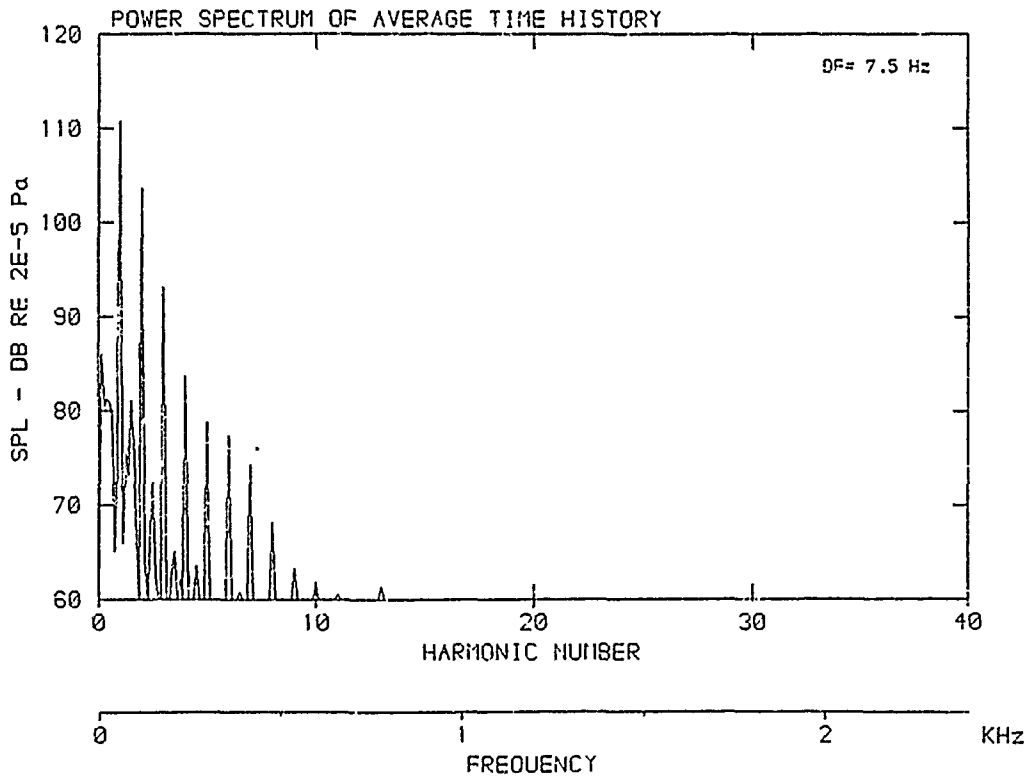




DATA POINT: DN-2	RUN: 93	MP: 6

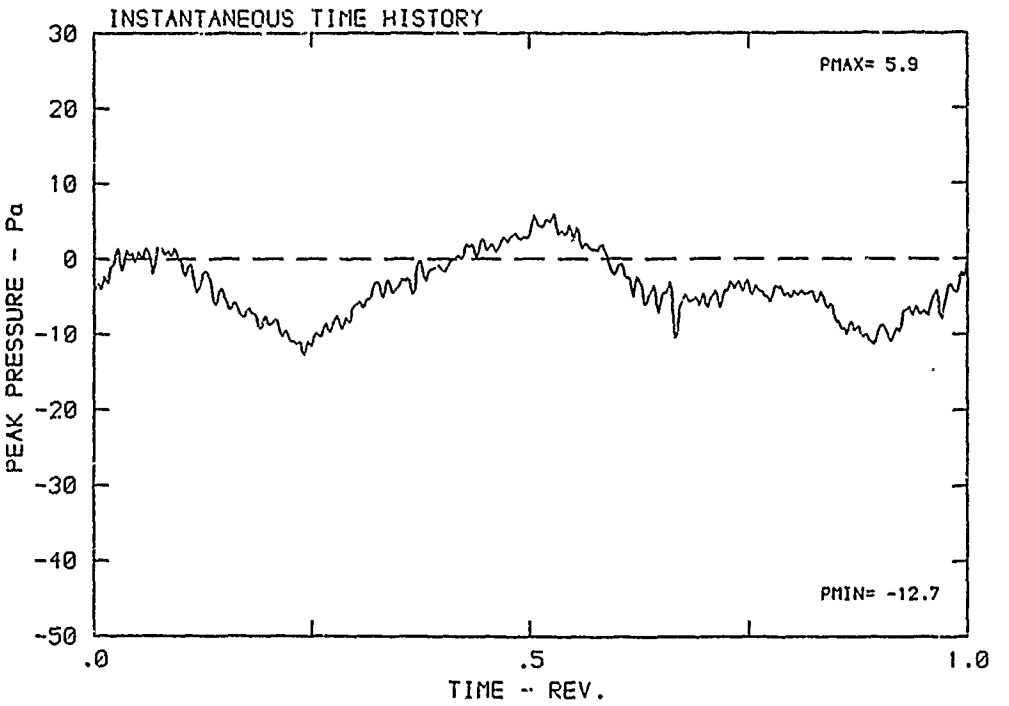
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

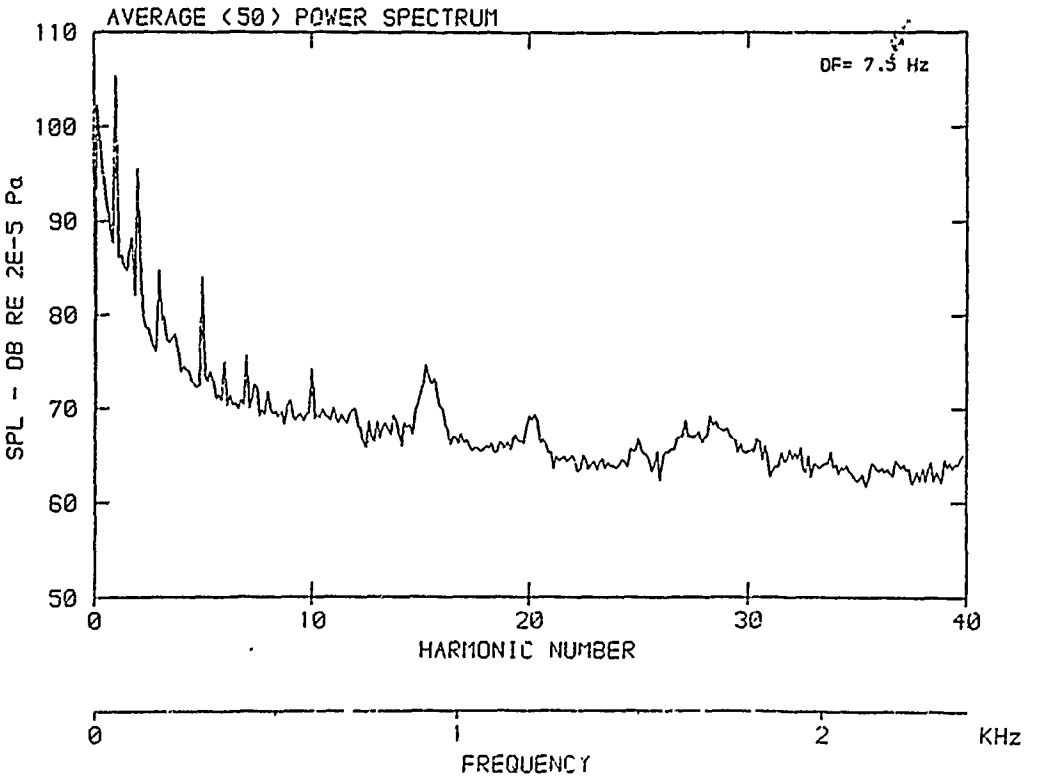




DATA POINT: DN-2 RUN: 93 MP: 7

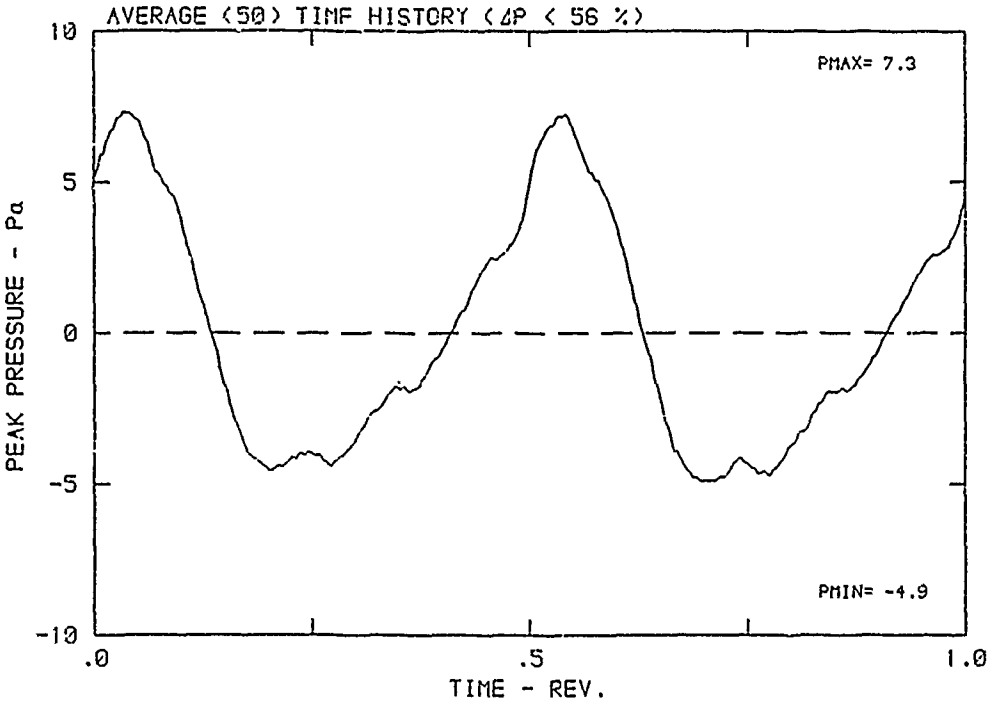
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

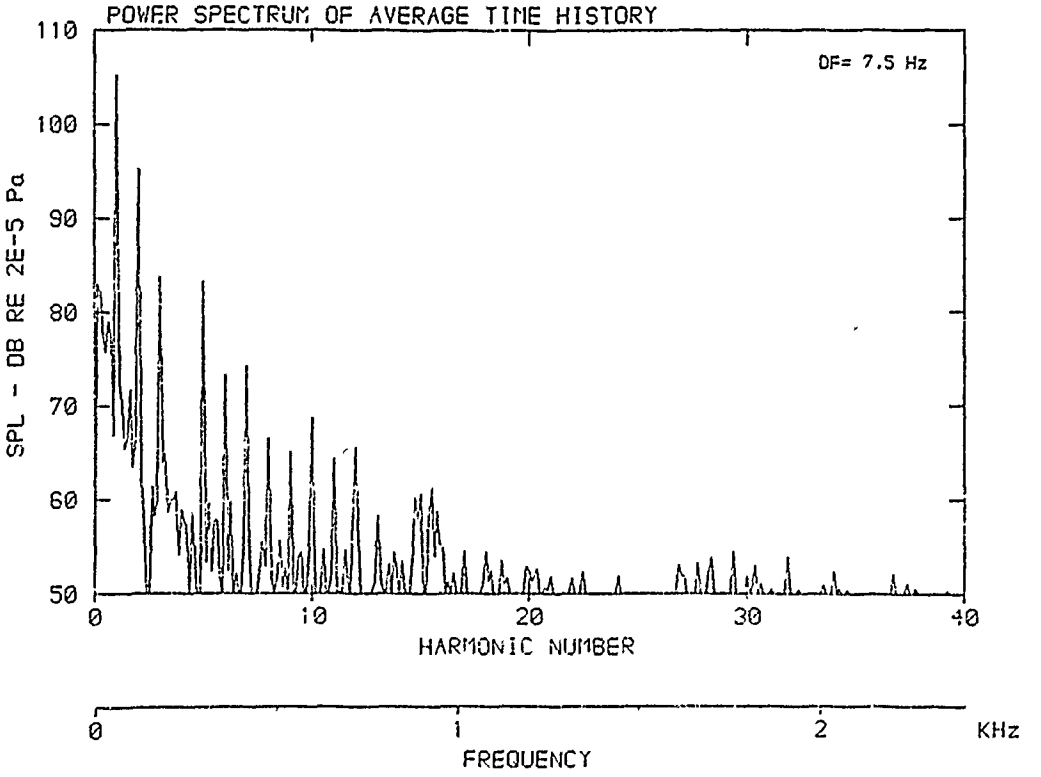




DATA POINT: DN-2 RUN: 93 MP: 7

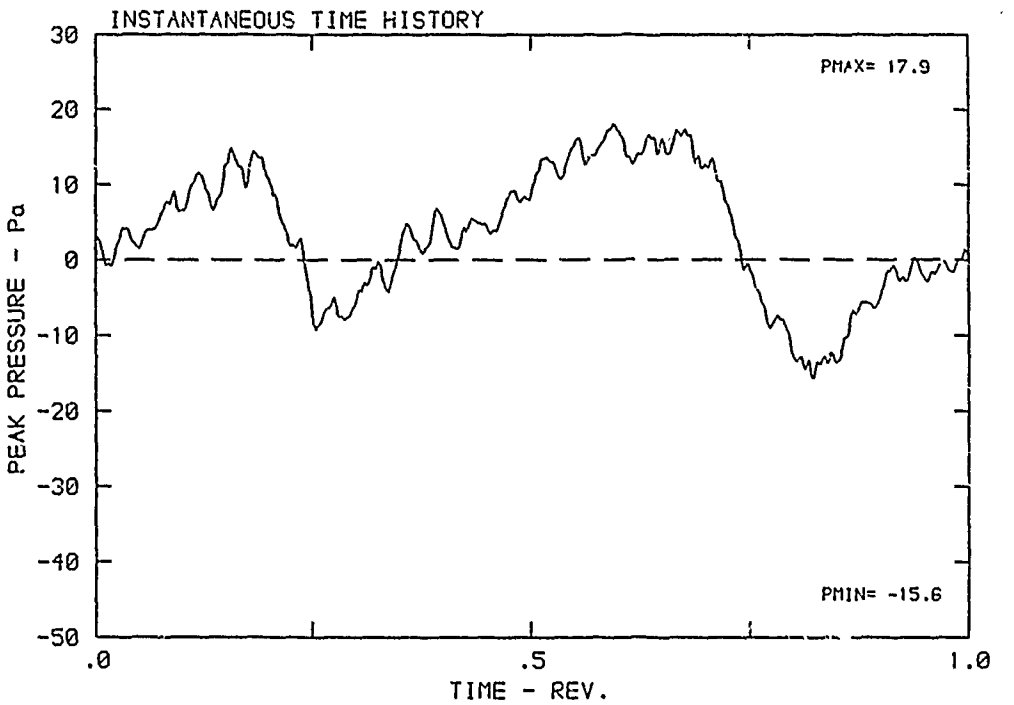
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

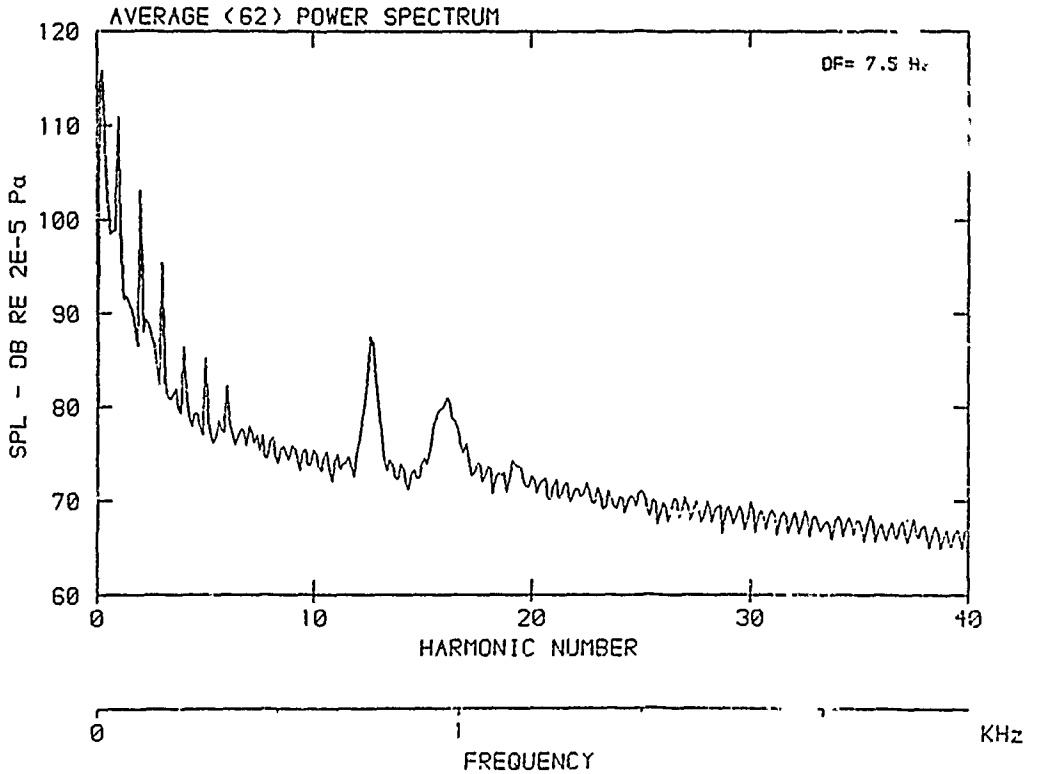




DATA POINT: DN-2 RUN: 93 MP: 9

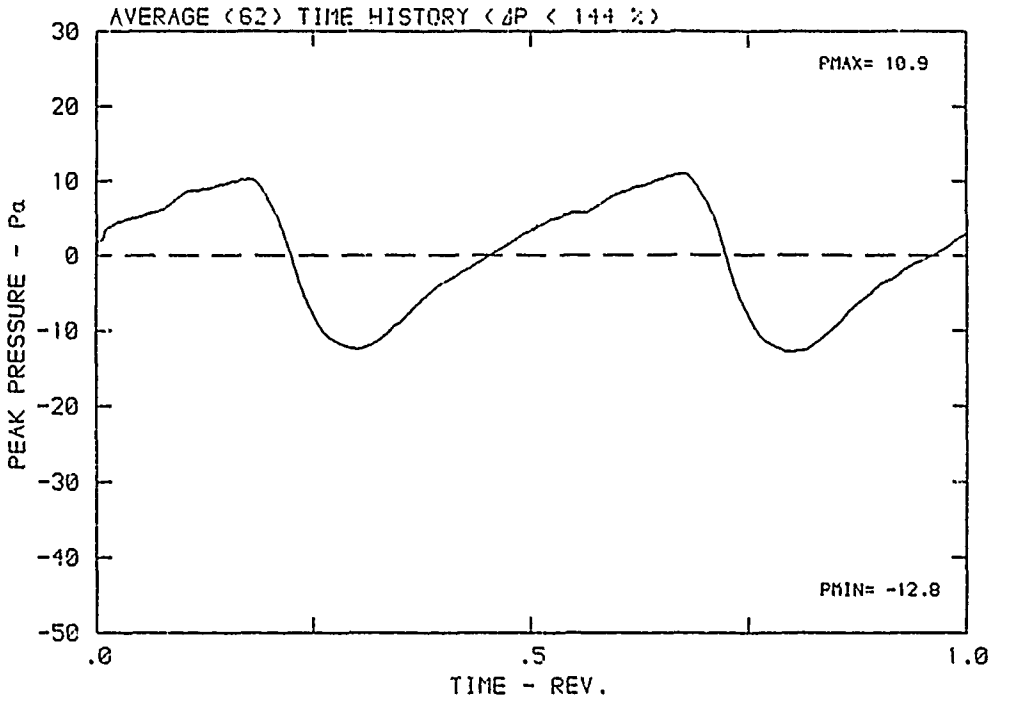
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

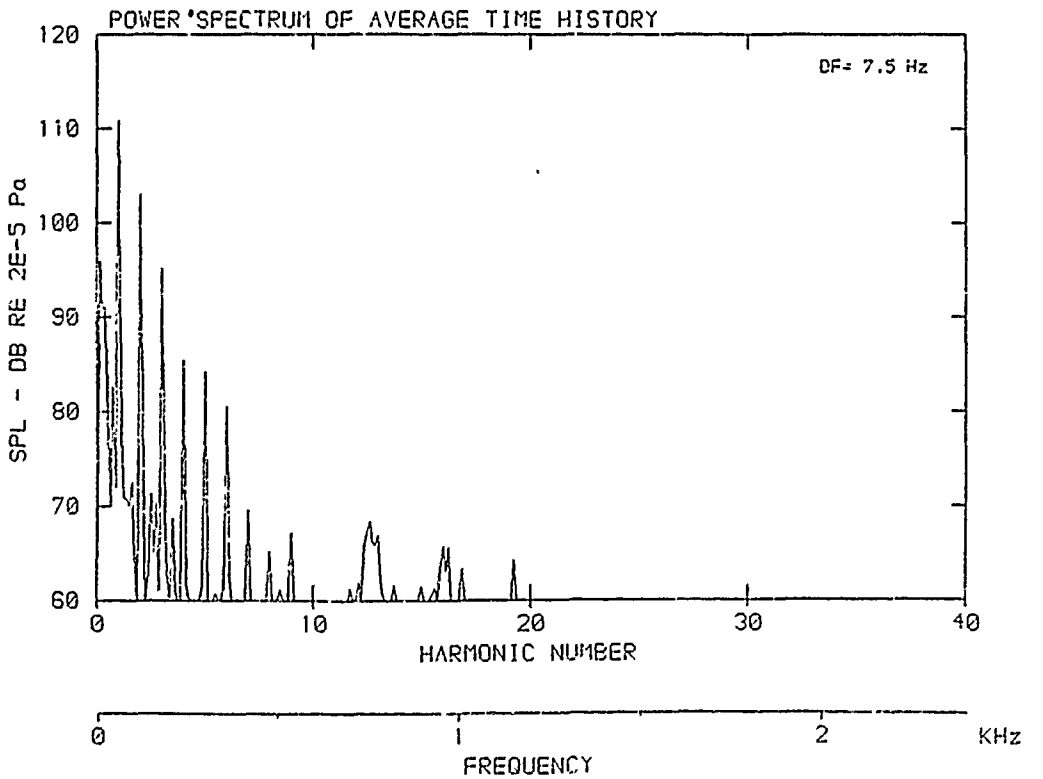




DATA POINT: DN-2 RUN: 93 MP: 9

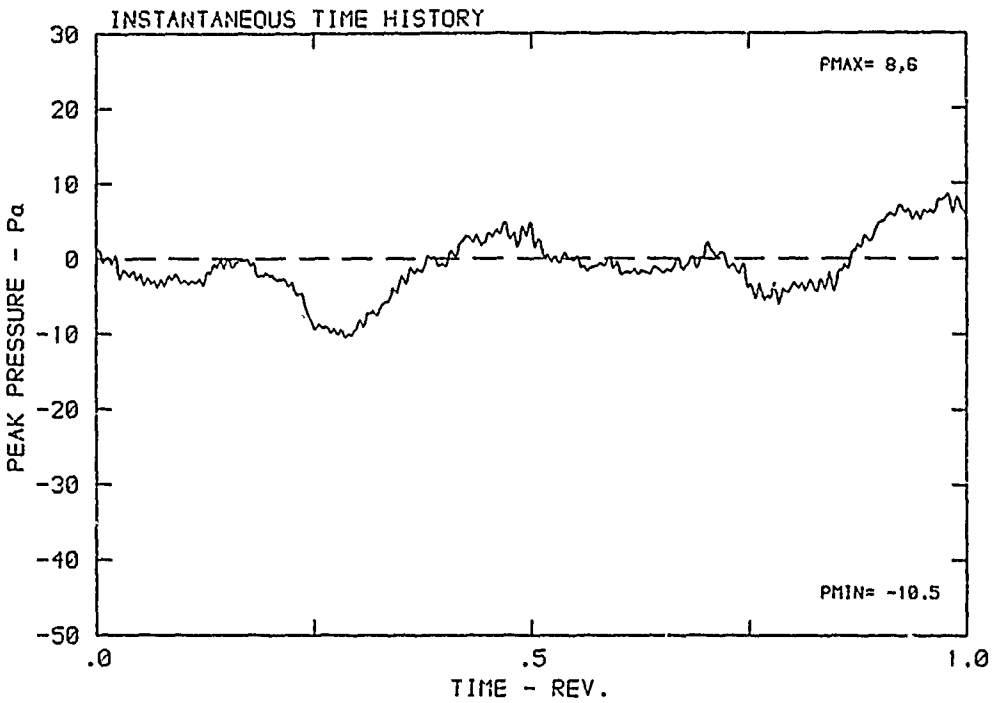
β: 29.0° MH: .5852 n: 1800 rpm v/u: .268 ϕ: .0° T: 285.6 K

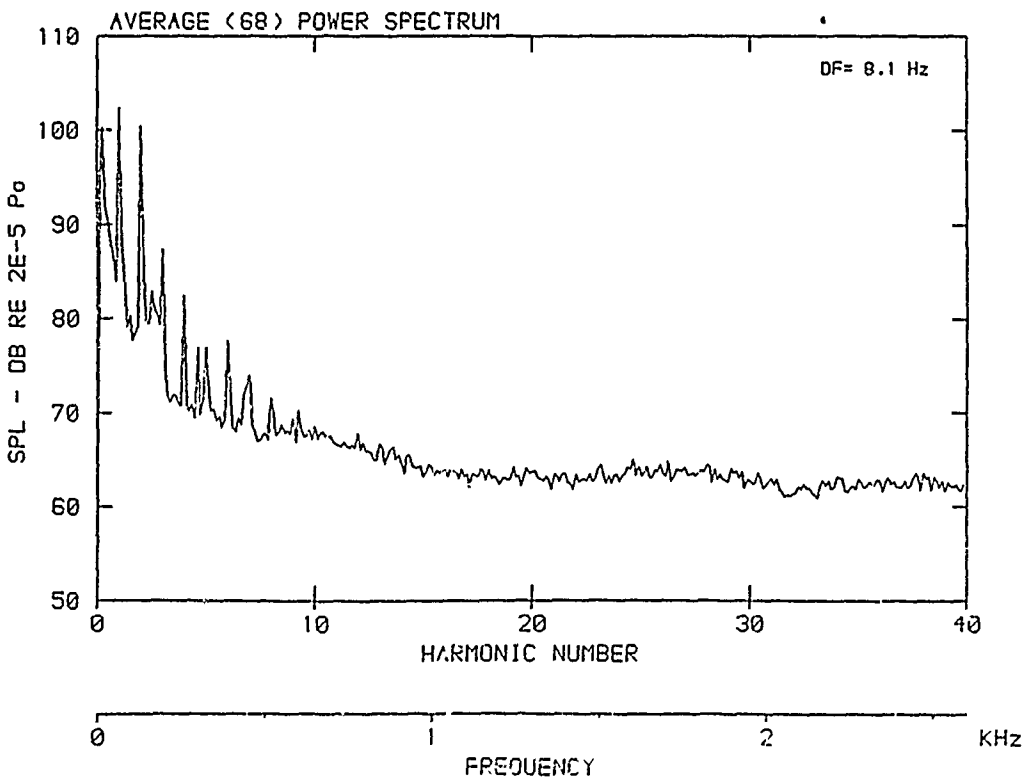




DATA POINT: DN-5 RUN: 92 MP: 1

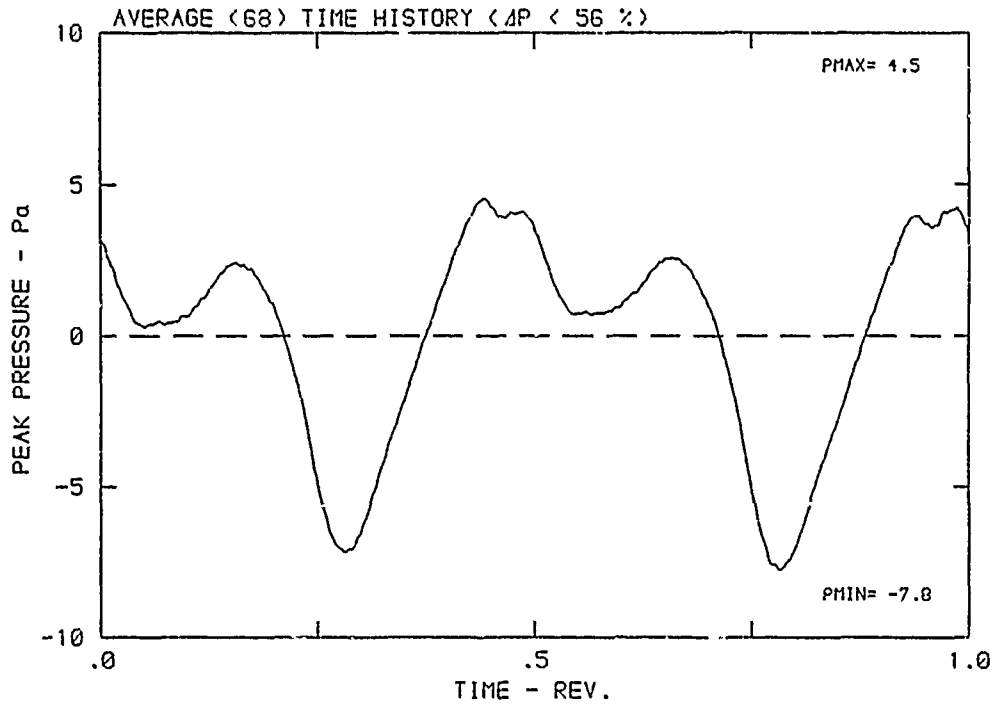
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

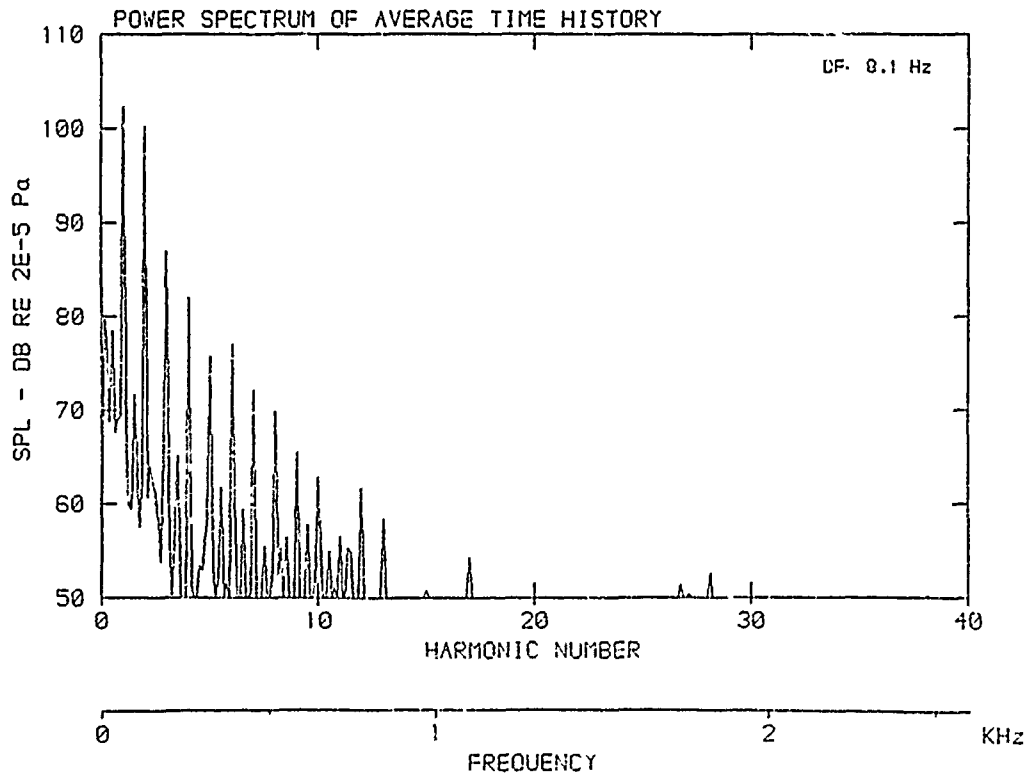




DATA POINT: DN-5 - RUN: 92 MP: 1

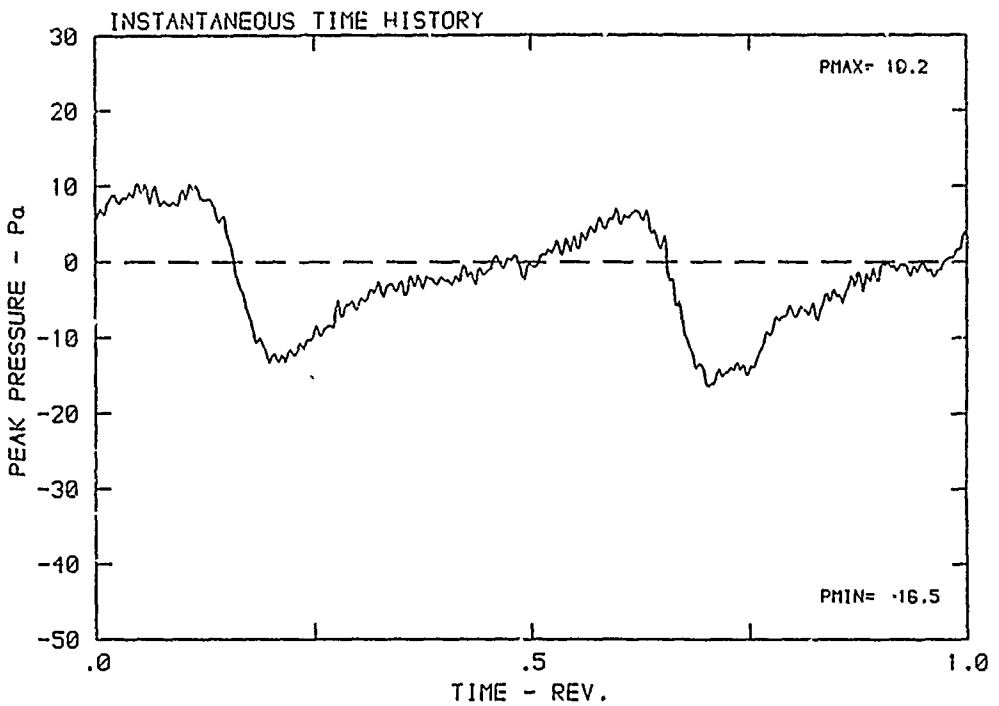
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

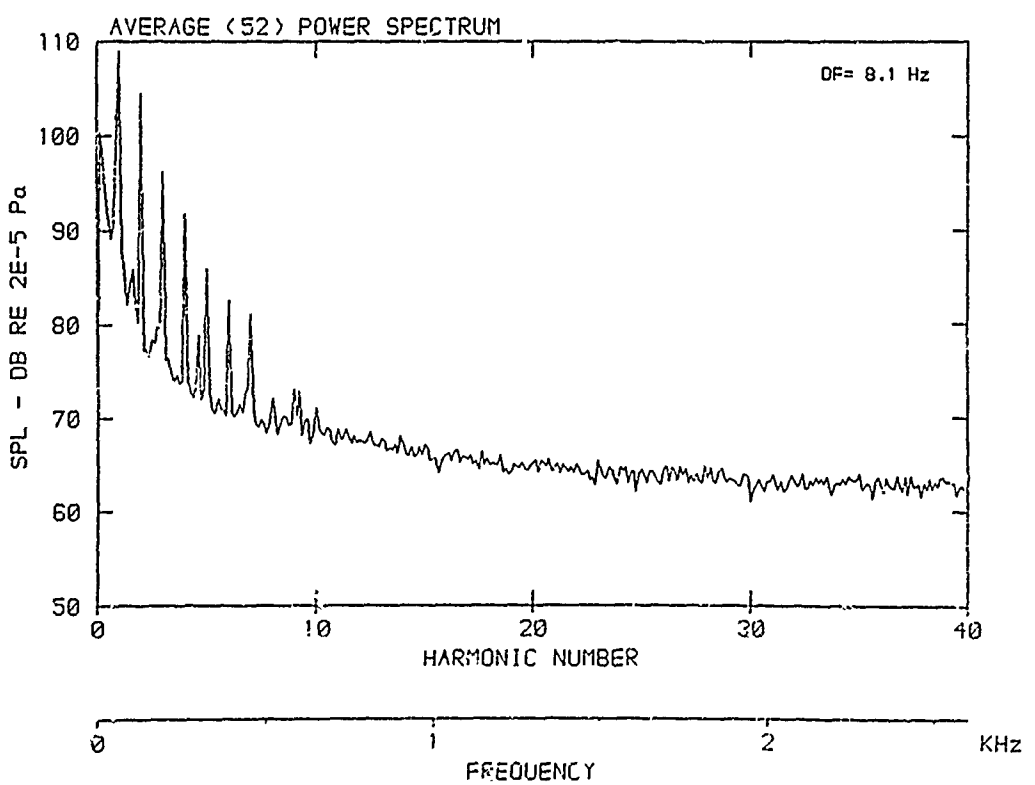




DATA POINT: DN-5 RUN: 92 MP: 2

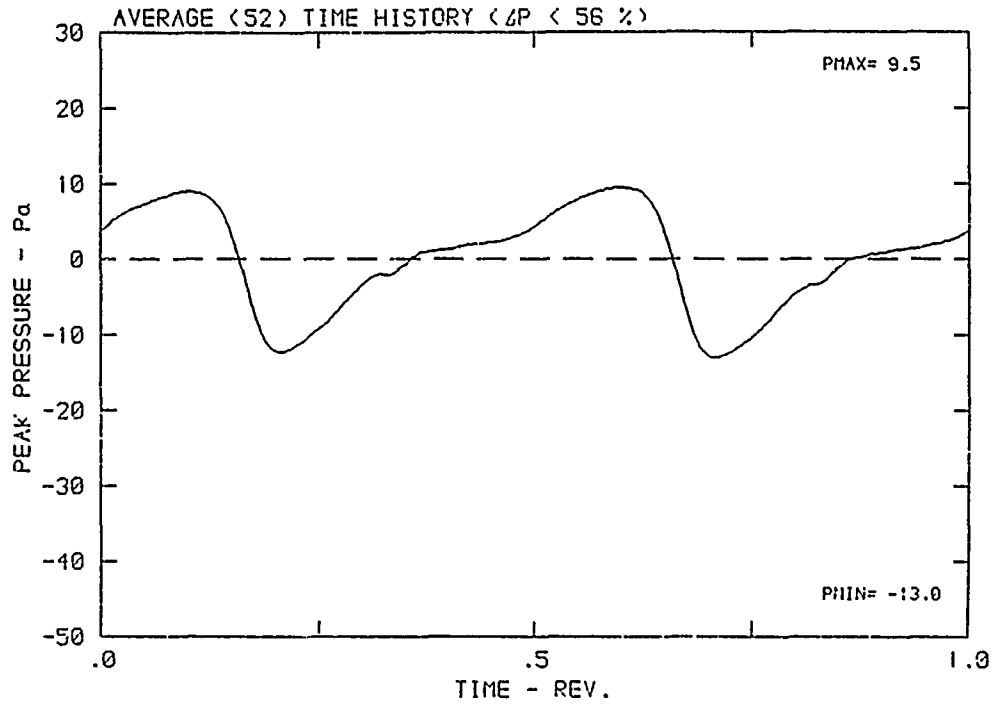
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

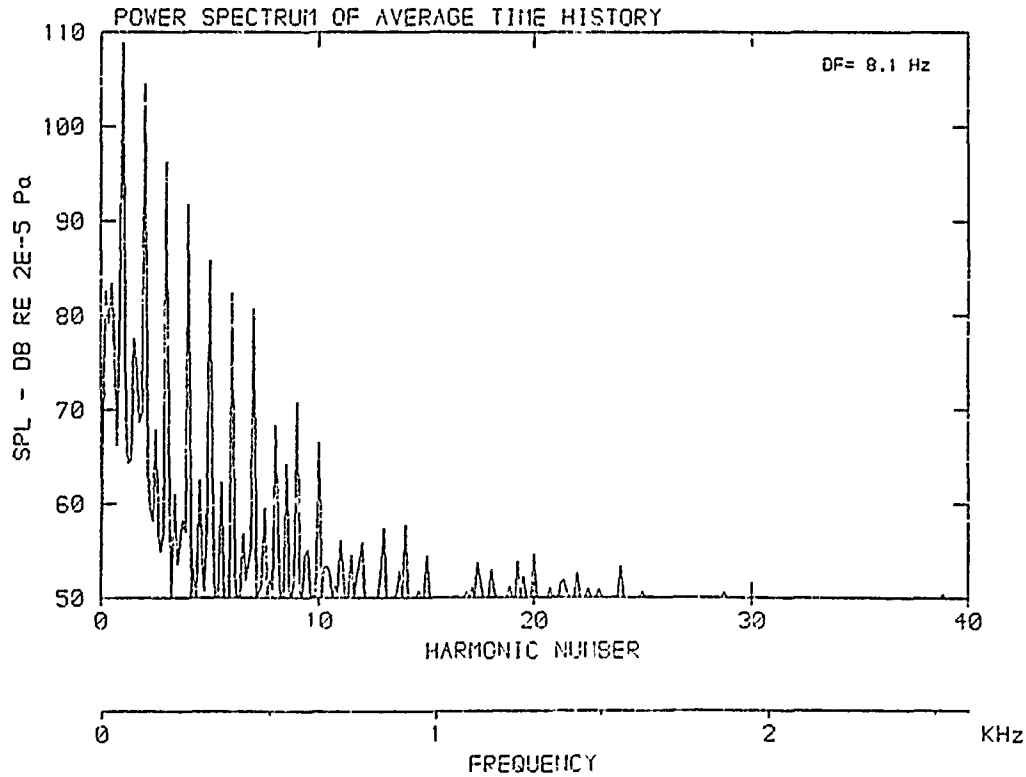




DATA POINT: DN-5 RUN: 92 MP: 2

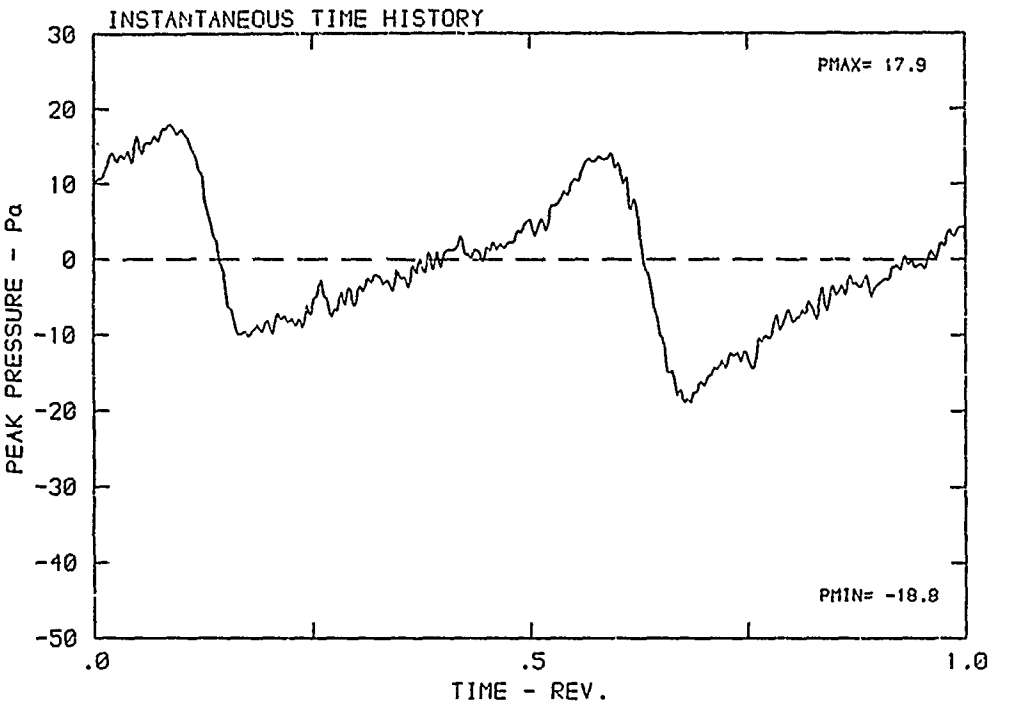
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

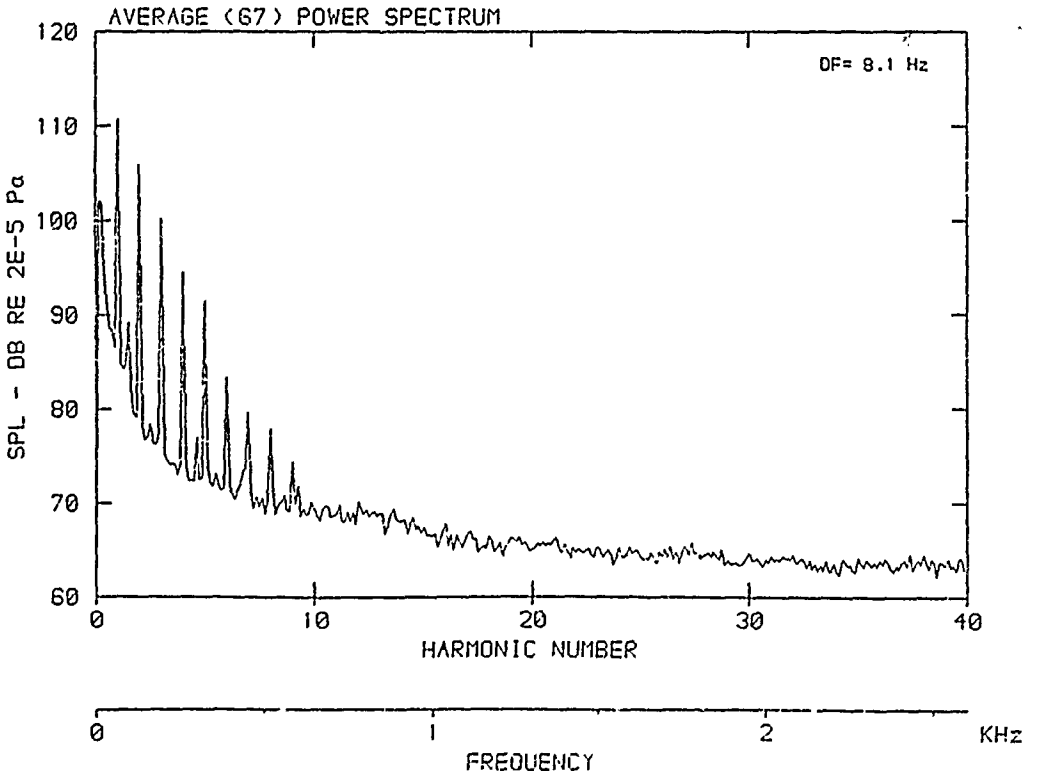




DATA POINT: DN-5	RUN: 92	MP: 3

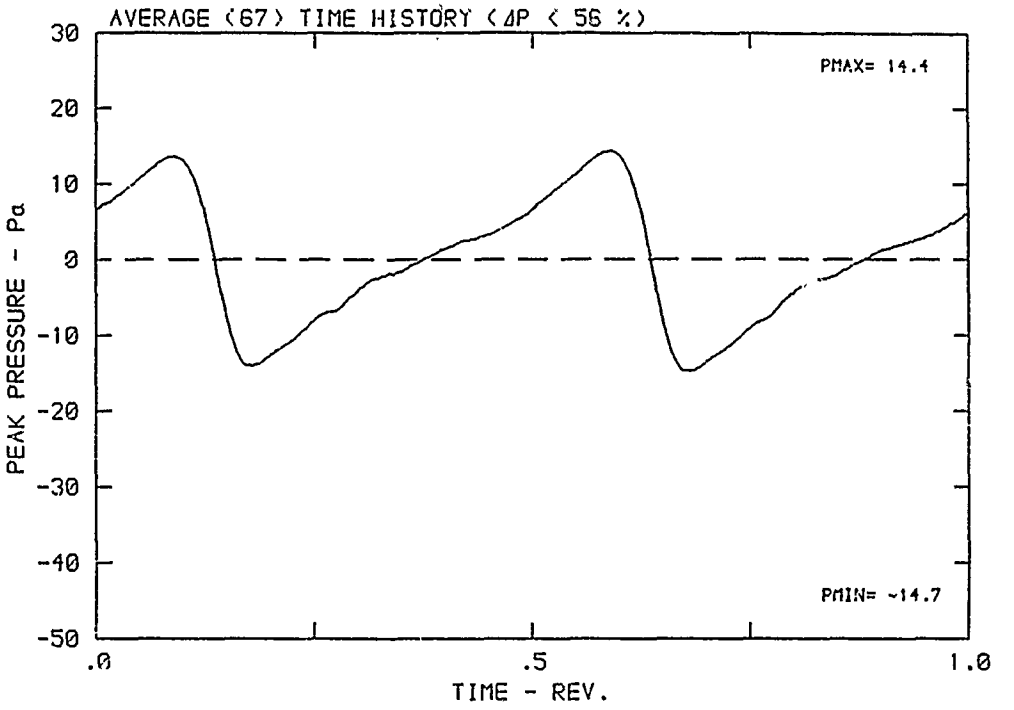
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

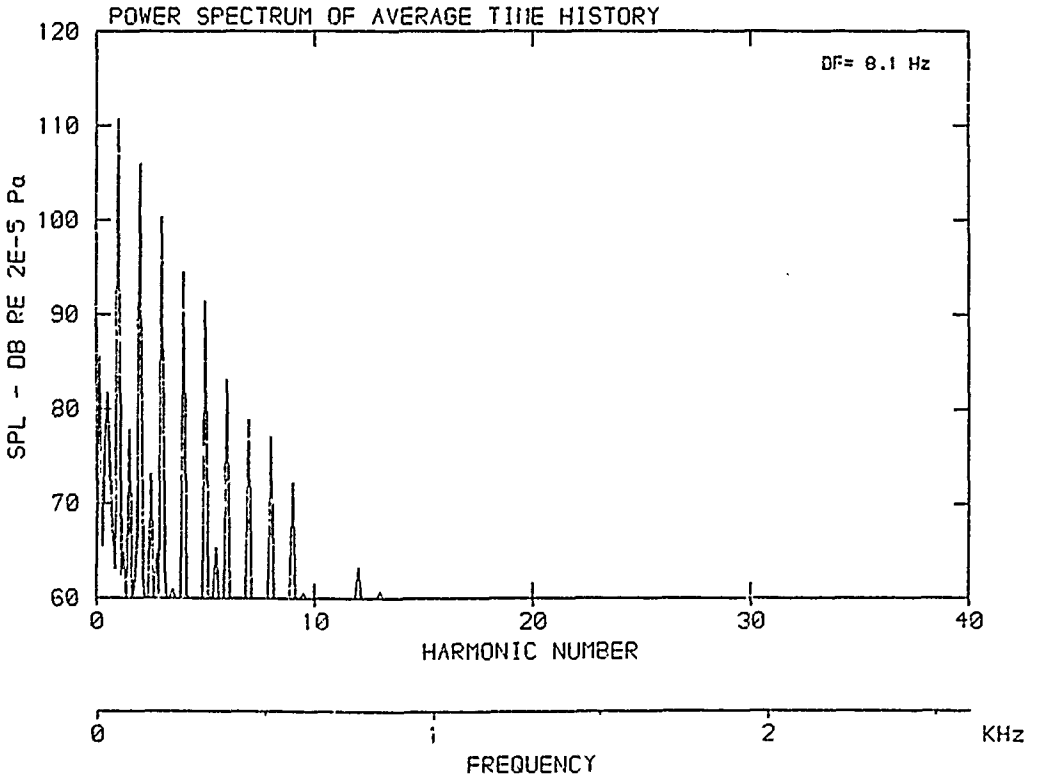




DATA POINT: DN-5 RUN: 92 MP: 3

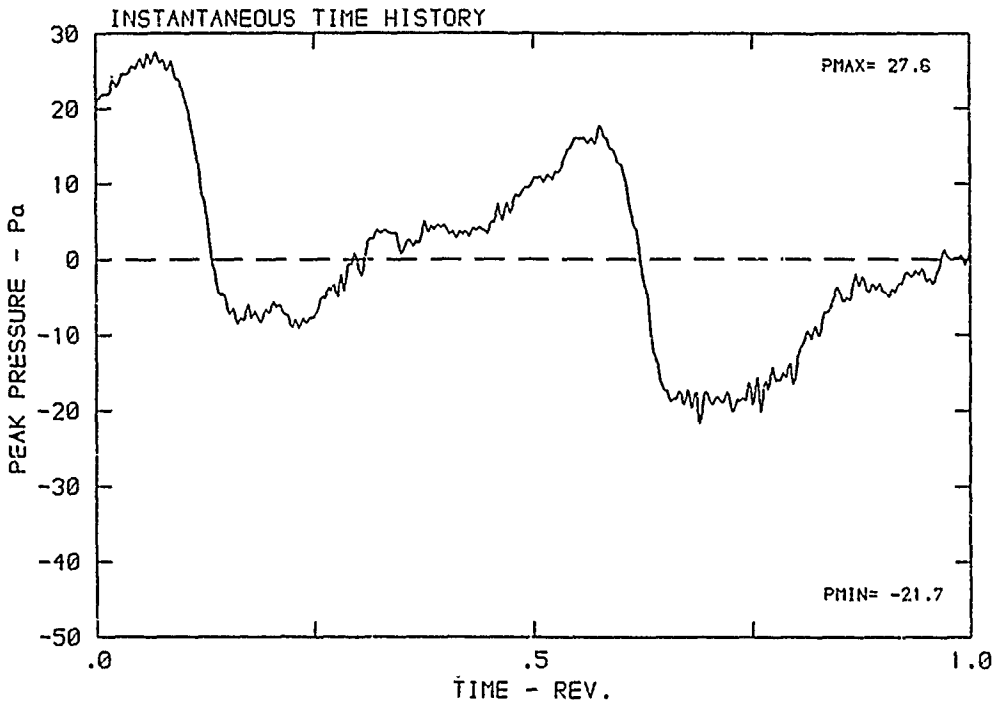
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

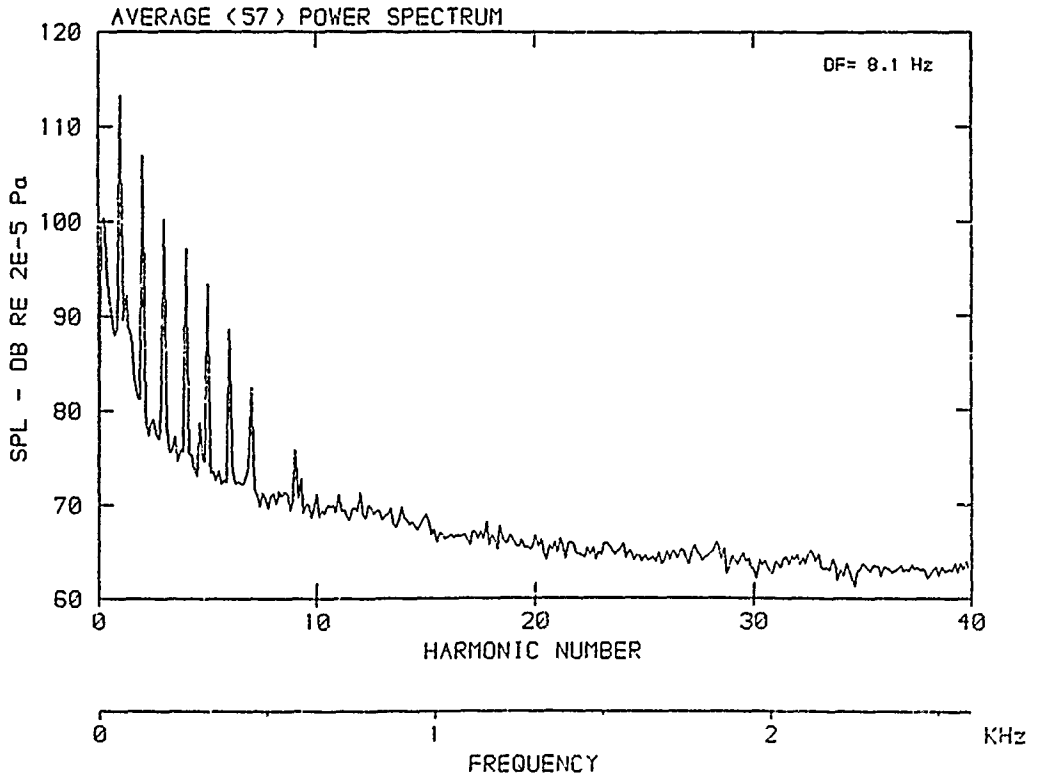




DATA POINT: DN-5 RUN: 92 MP: 4

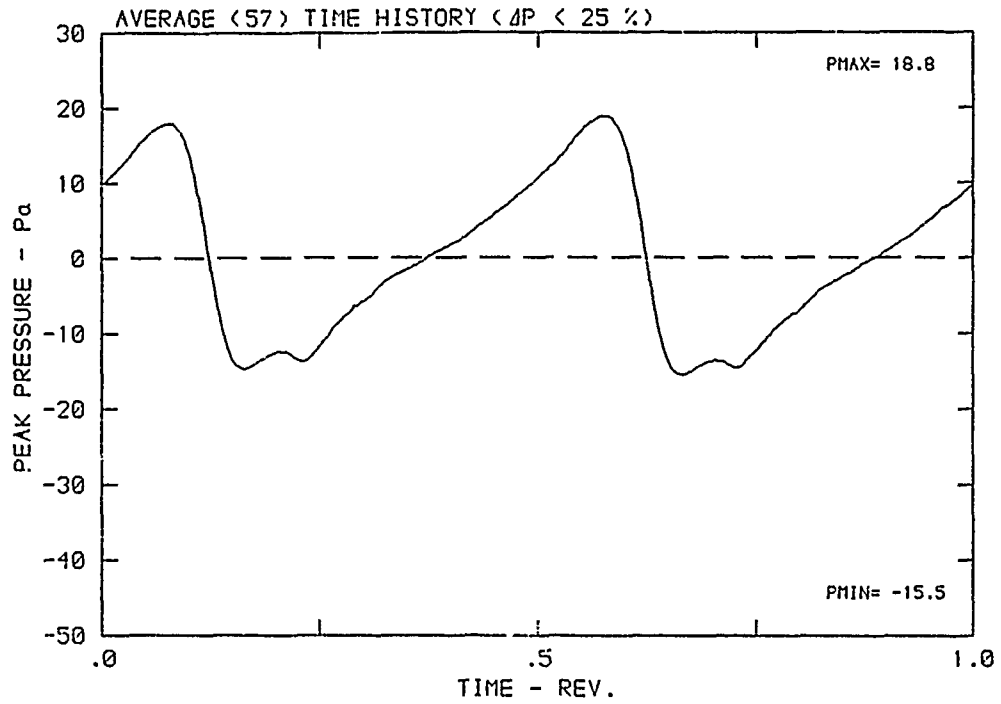
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

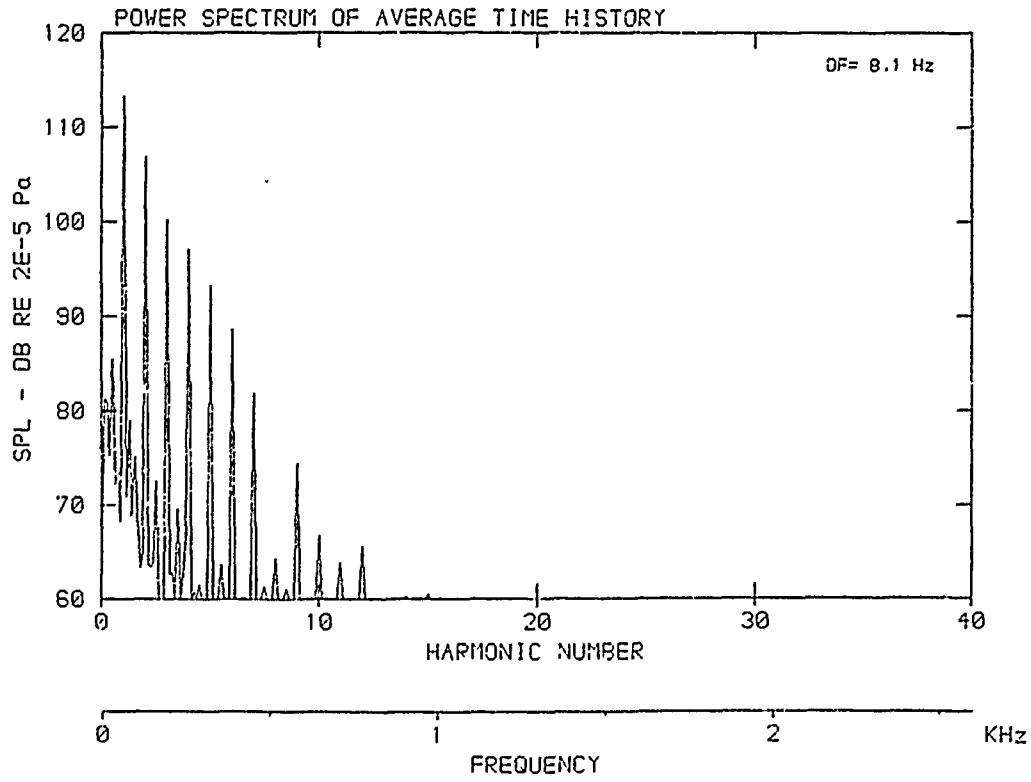




DATA POINT: DN-5	RUN: 92	MP: 4

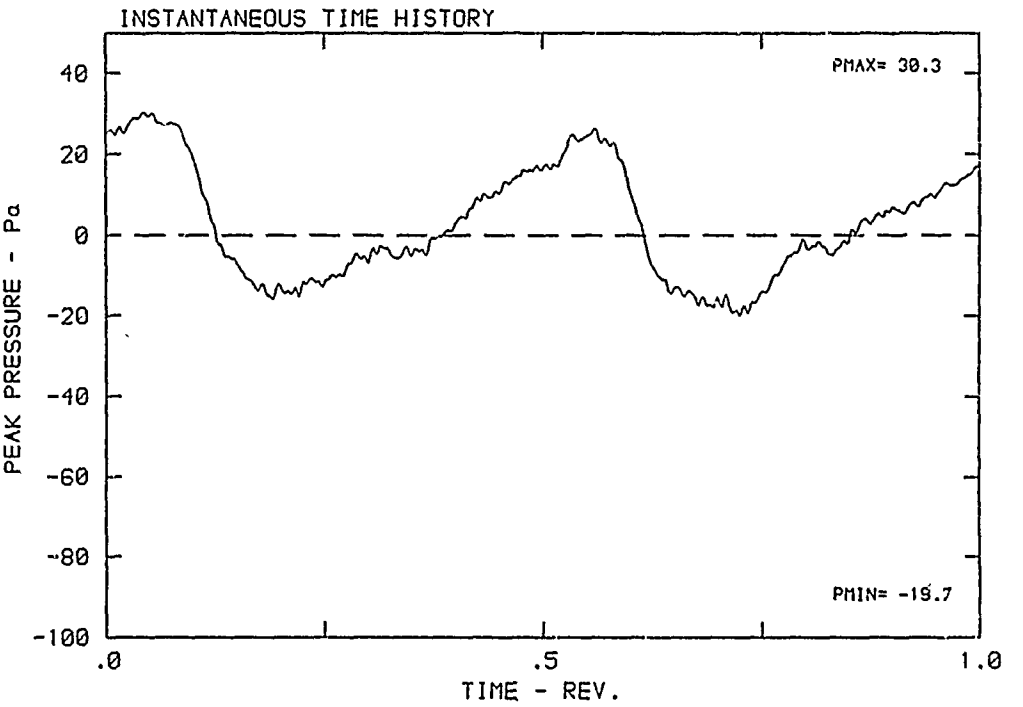
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

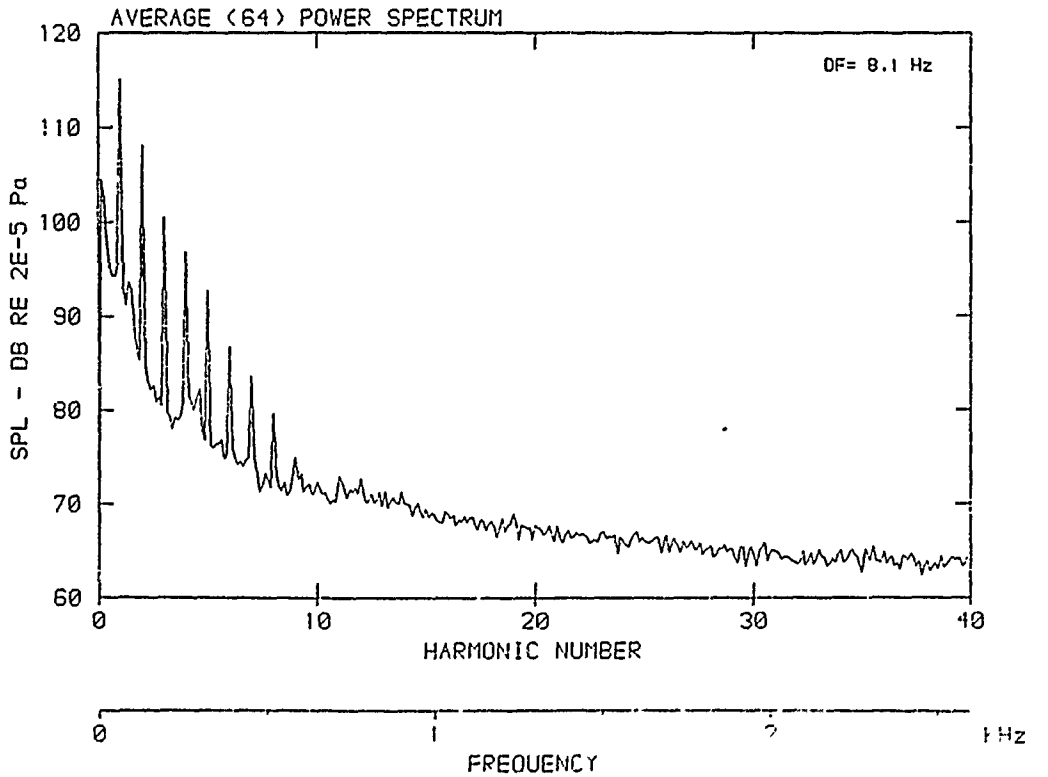




DATA POINT: DN-5 RUN: 92 MP: 5

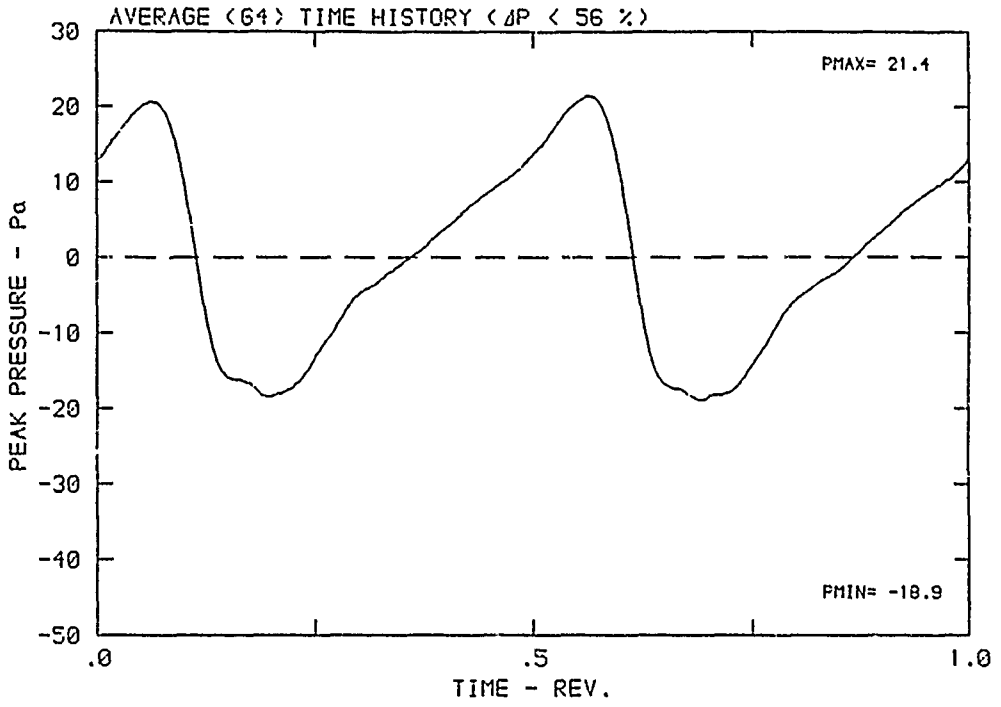
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 235.4 K

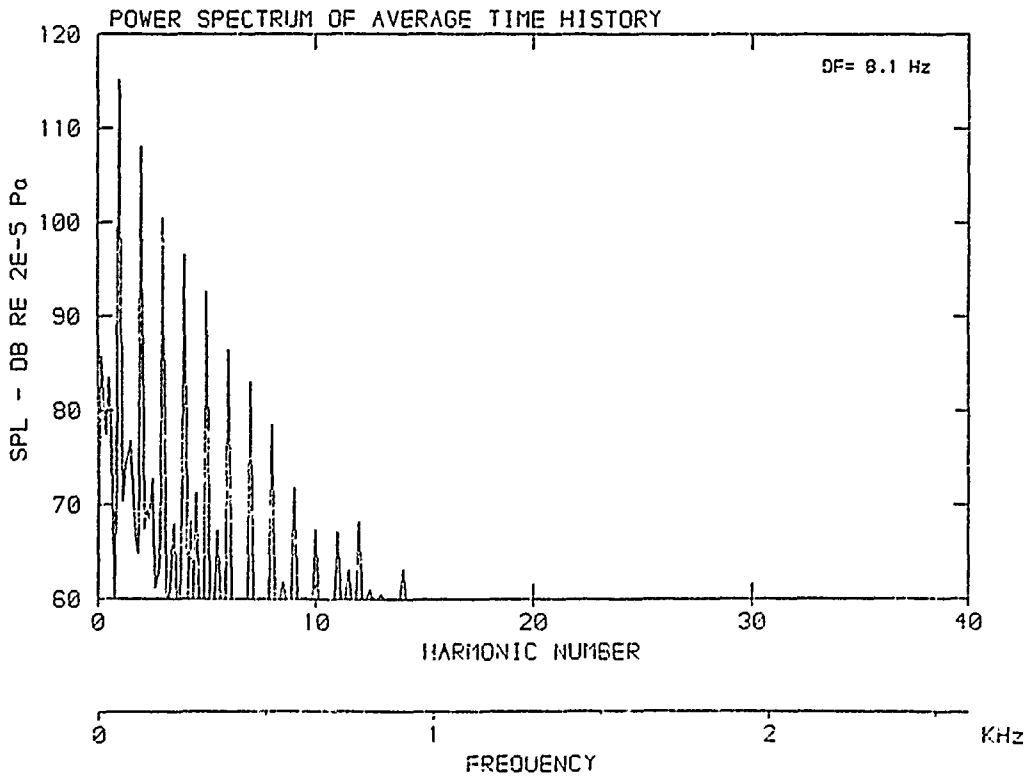




DATA POINT: DN-5	RUN: 92	MP: 5

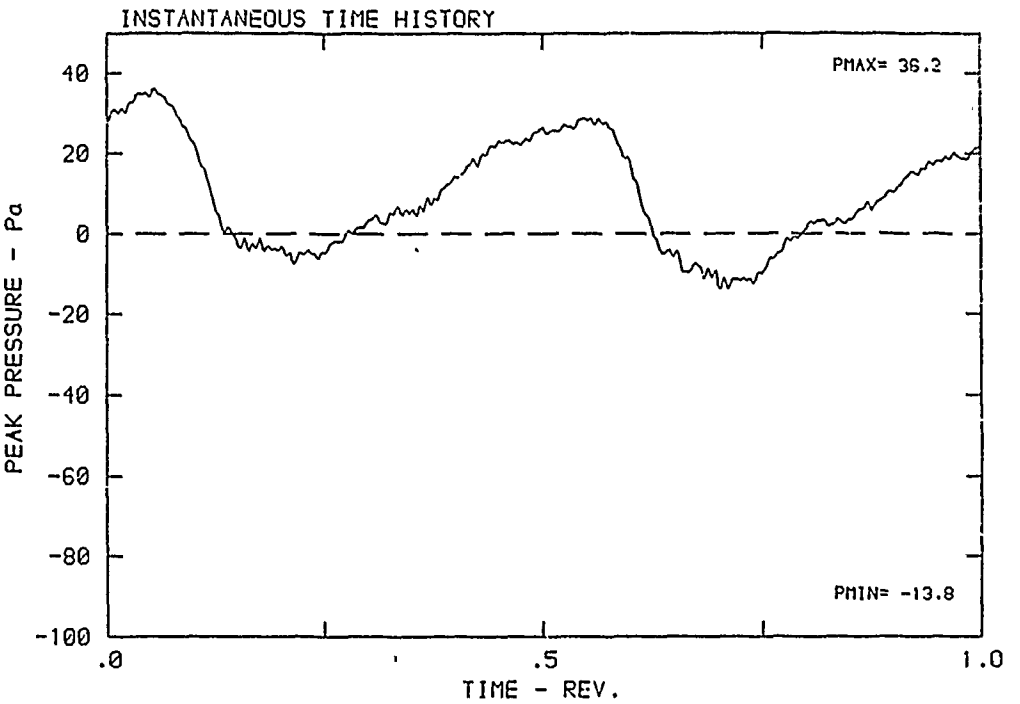
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

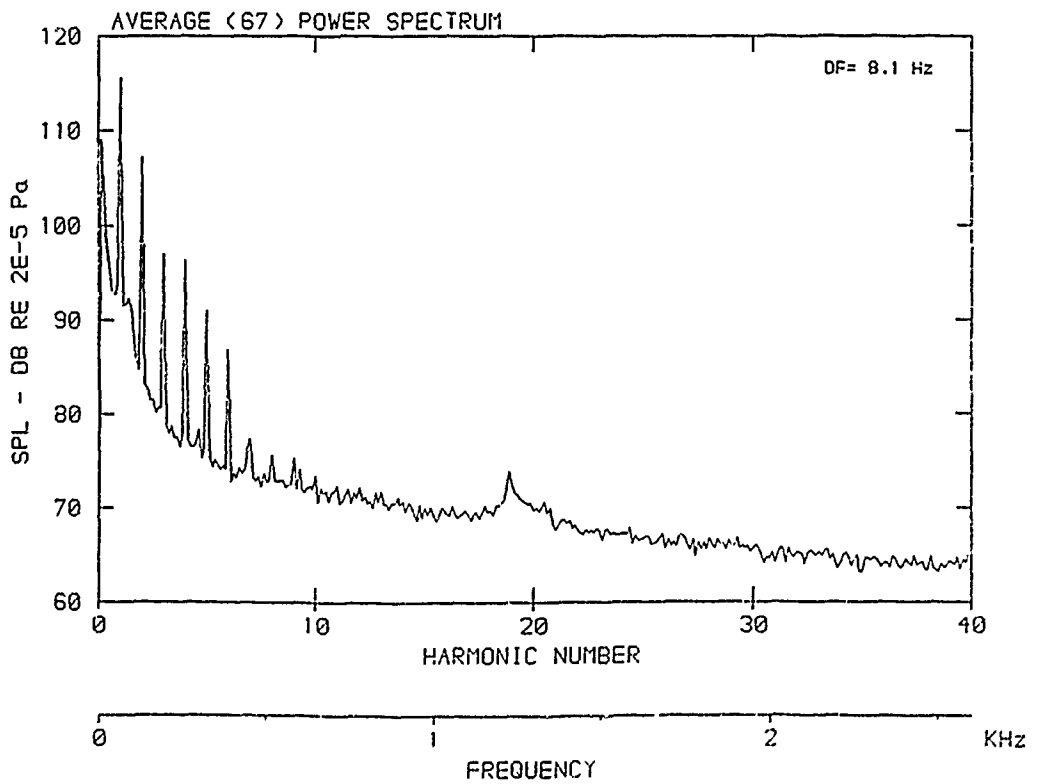




DATA POINT: DN-5 RUN: 92 MP: E

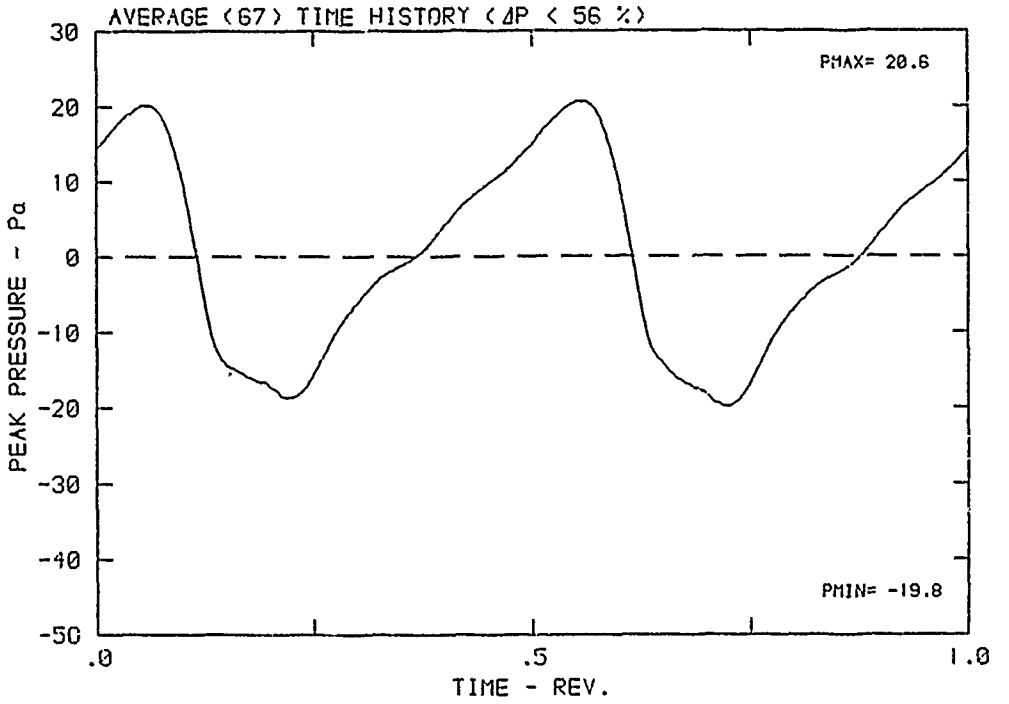
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 255.4 K

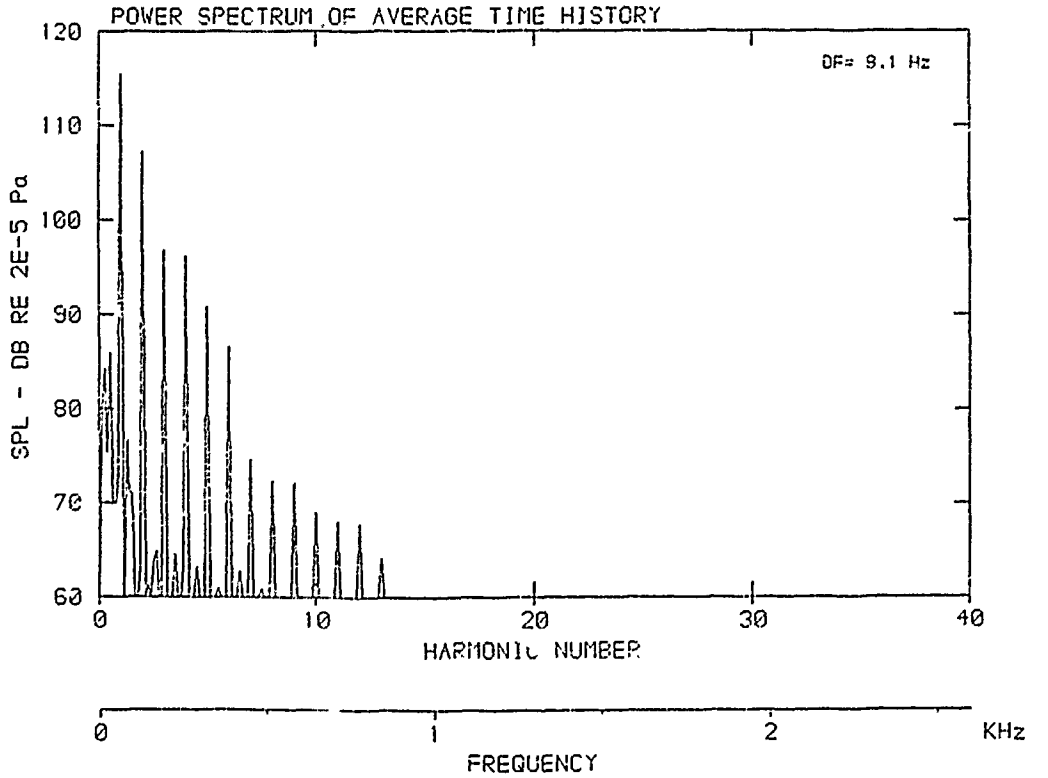




DATA POINT: DN-5 RUN: 92 MP: 6

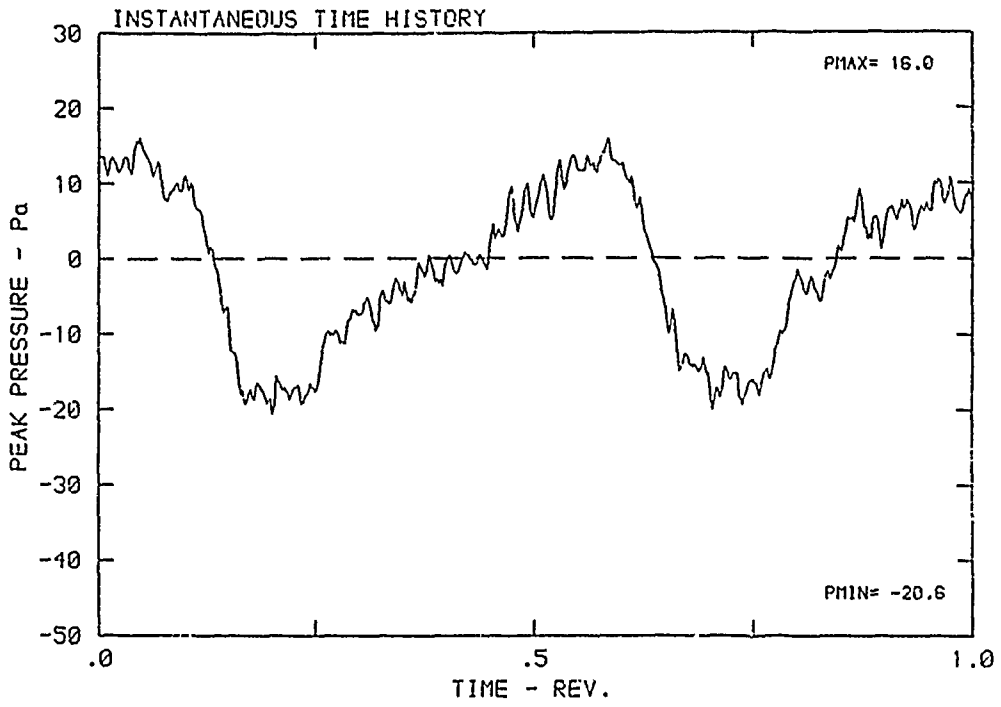
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

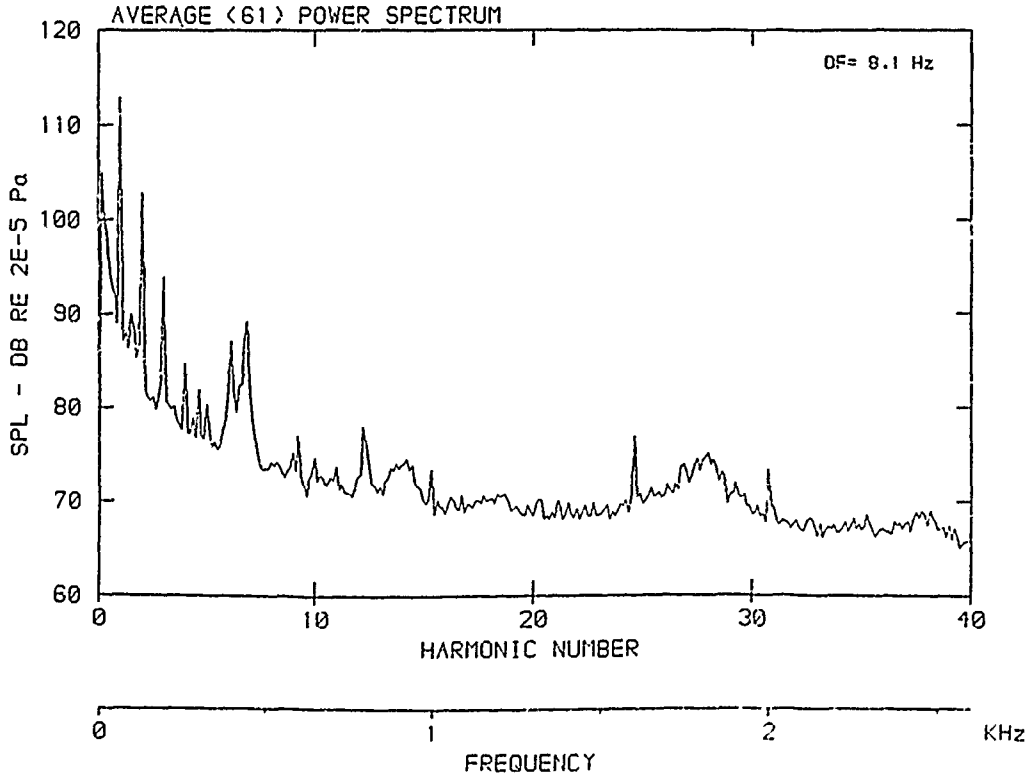




DATA POINT: DN-5	RUN: 92	MP: 7

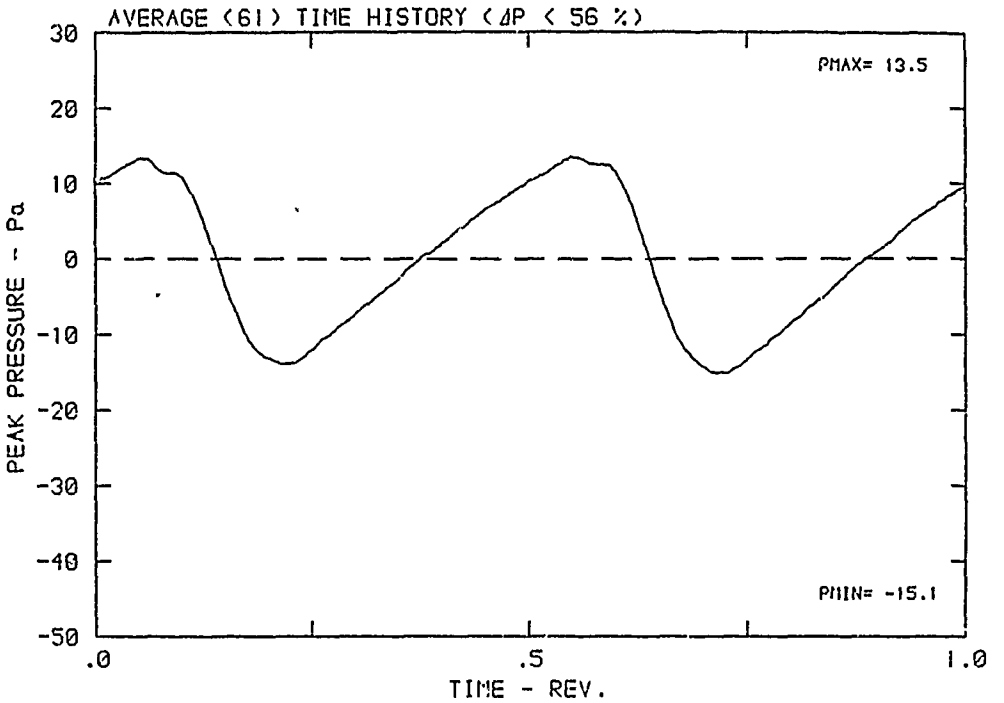
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 φ: .0° T: 285.4 K

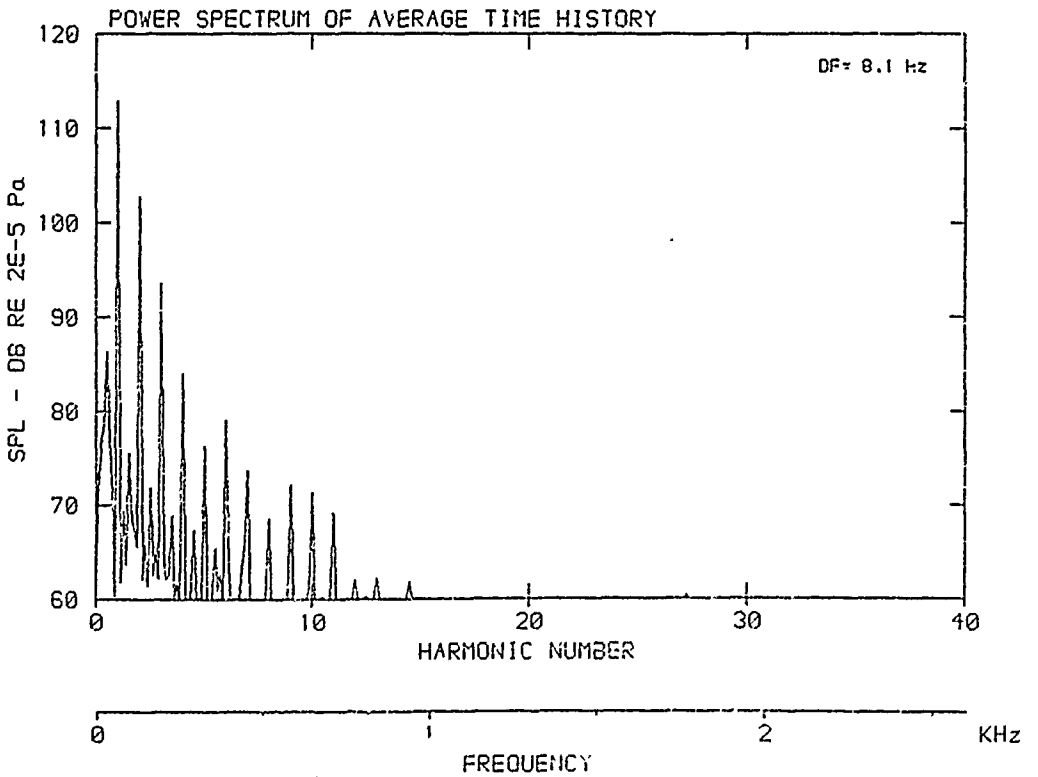




DATA POINT: DN-5 RUN: 92 MP: 7

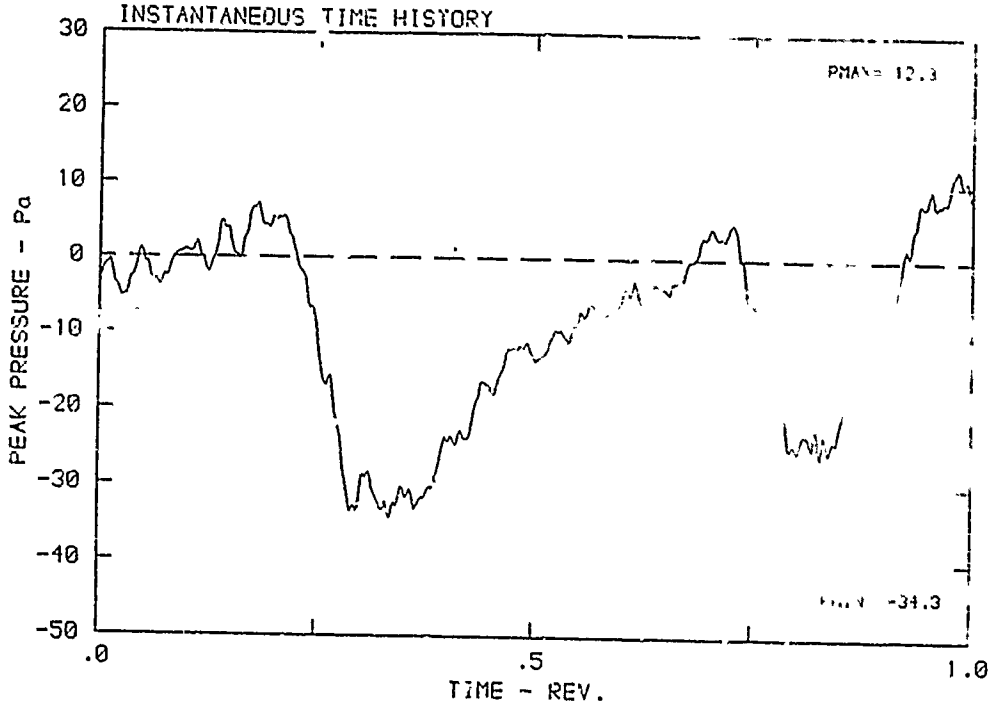
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

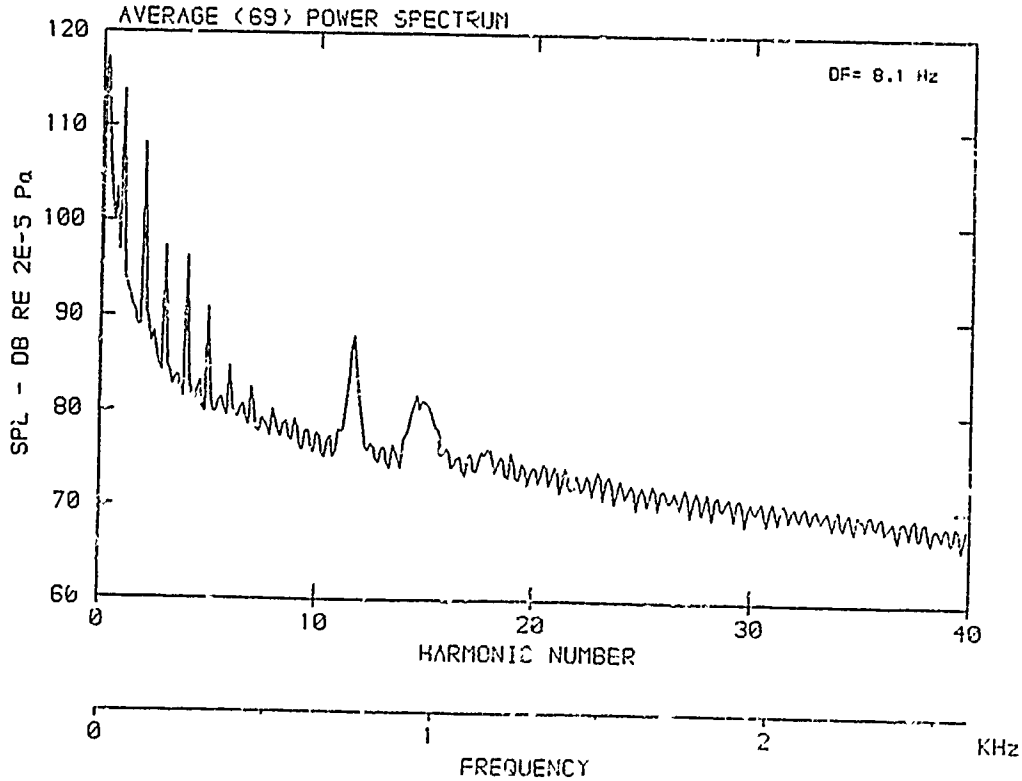




DATA POINT: DN-5 RUN:

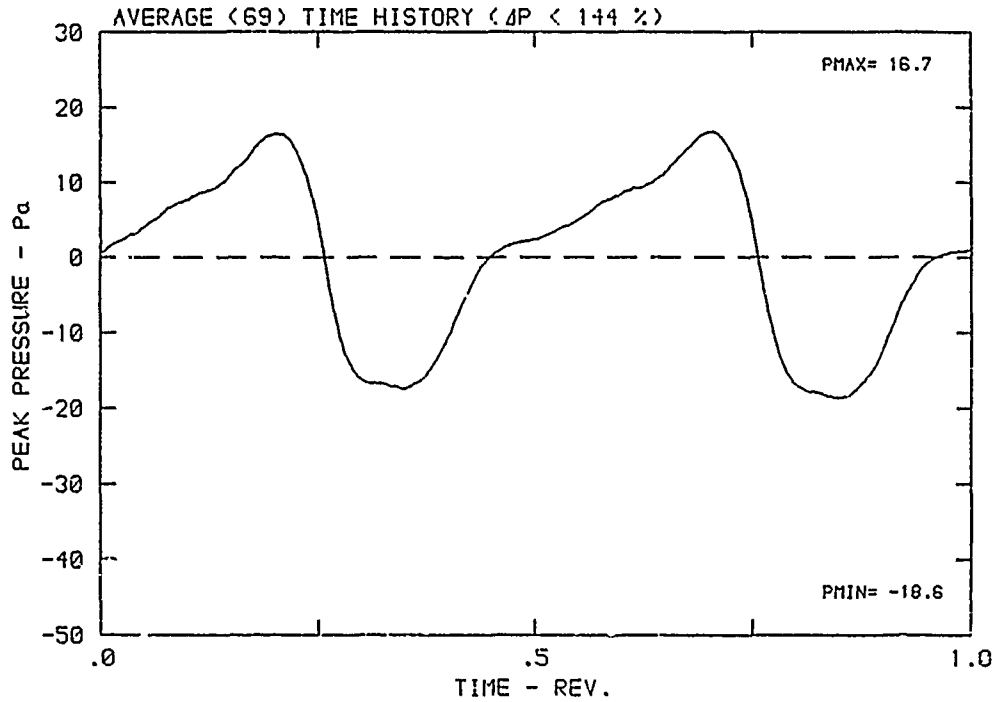
β: 29.0° MH: .6309 n: 1950

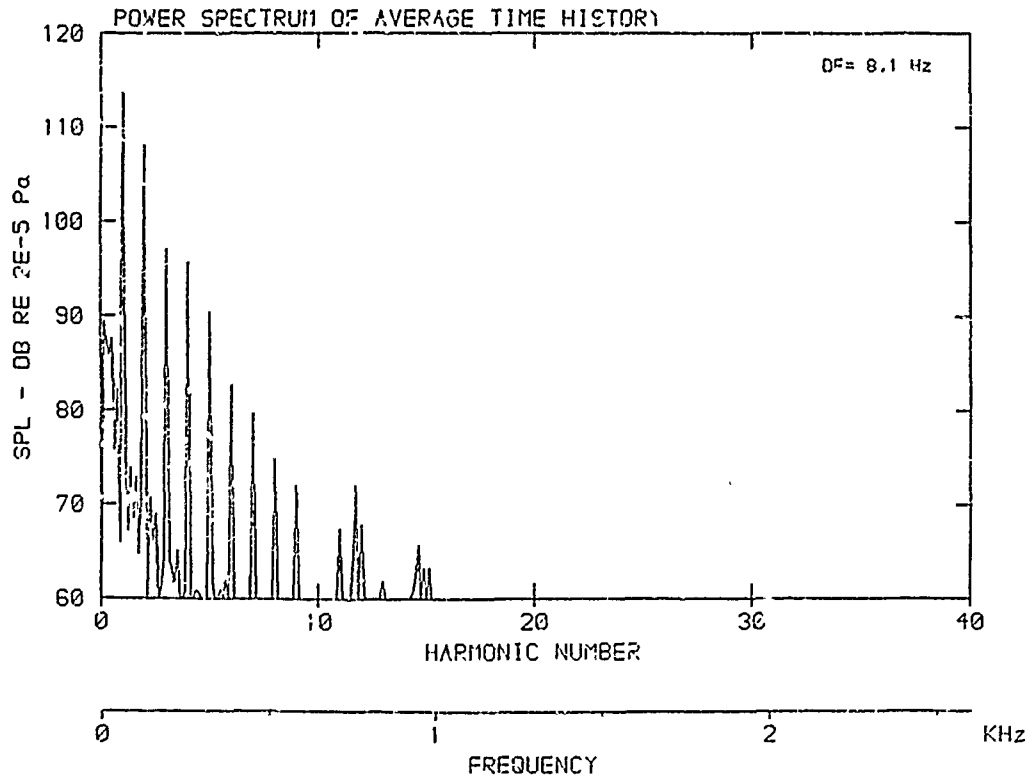




DATA POINT: DN-5 RUN: 92 MP: 9

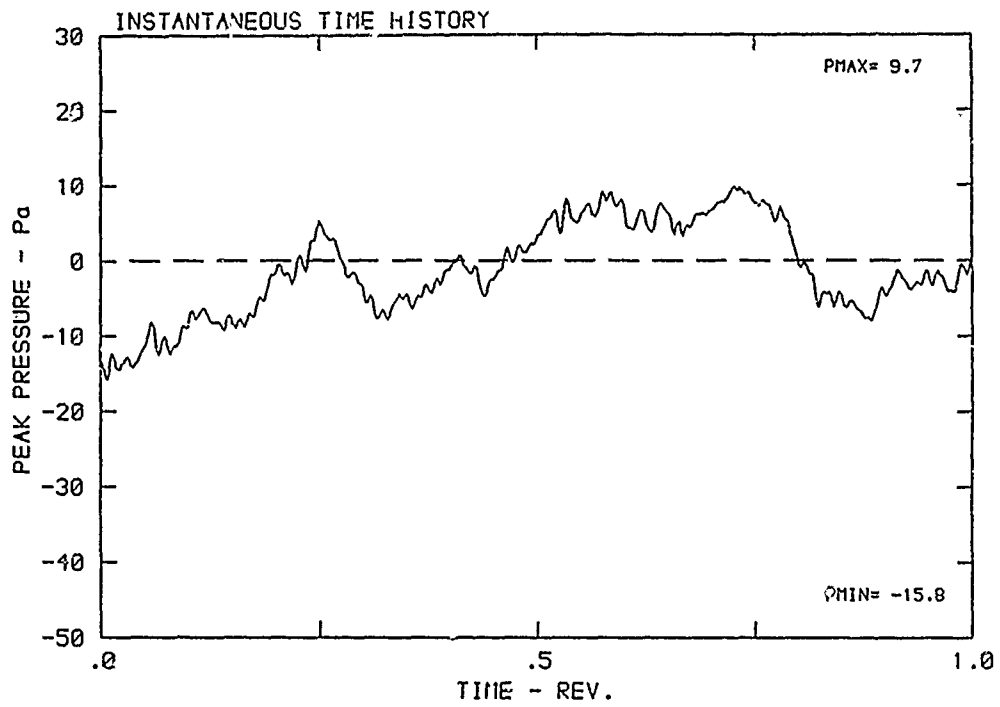
β: 29.0° MH: .6309 n: 1950 rpm v/u: .246 ϕ: .0° T: 285.4 K

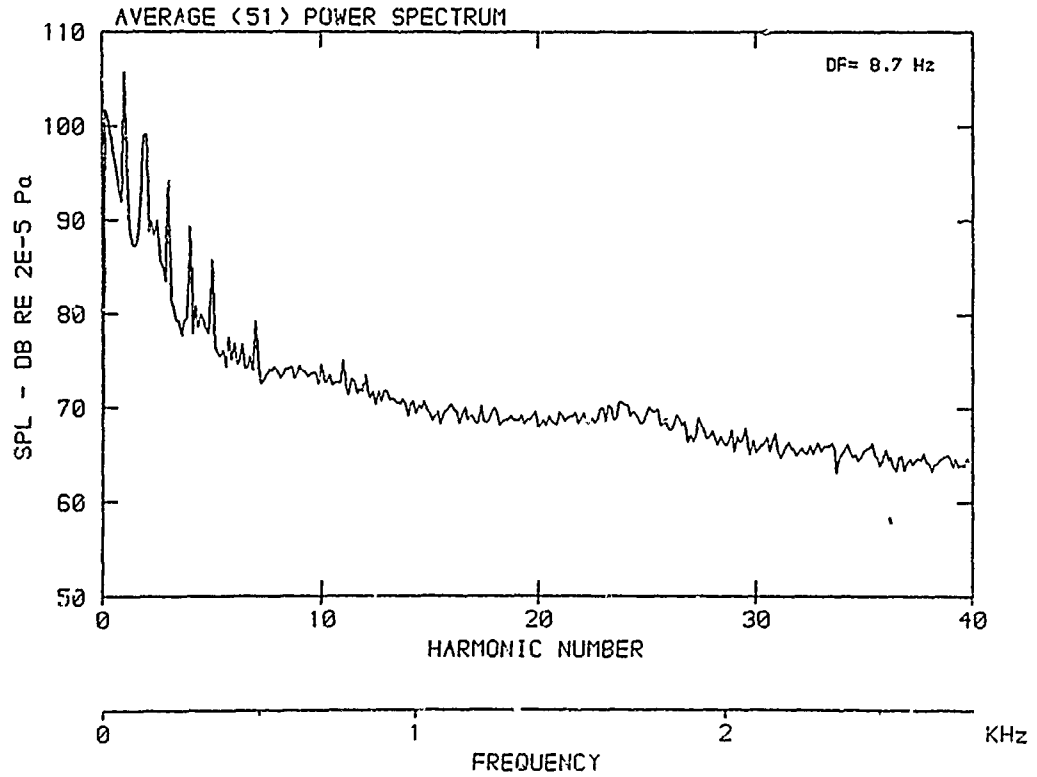




DATA POINT: DN-3 RUN: 91 MP: 1

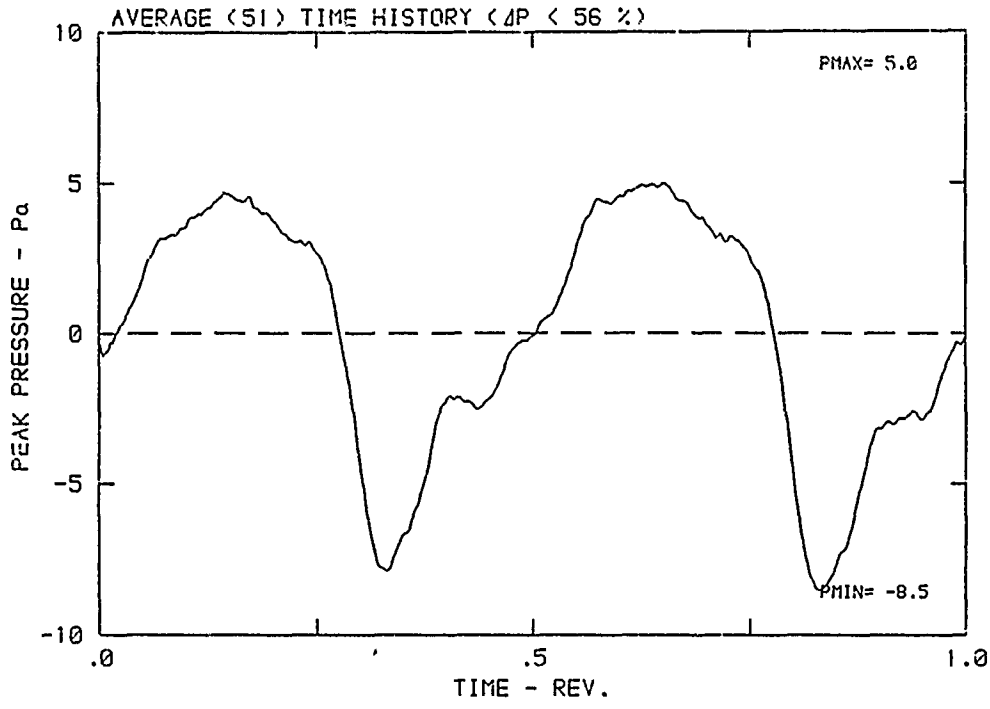
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

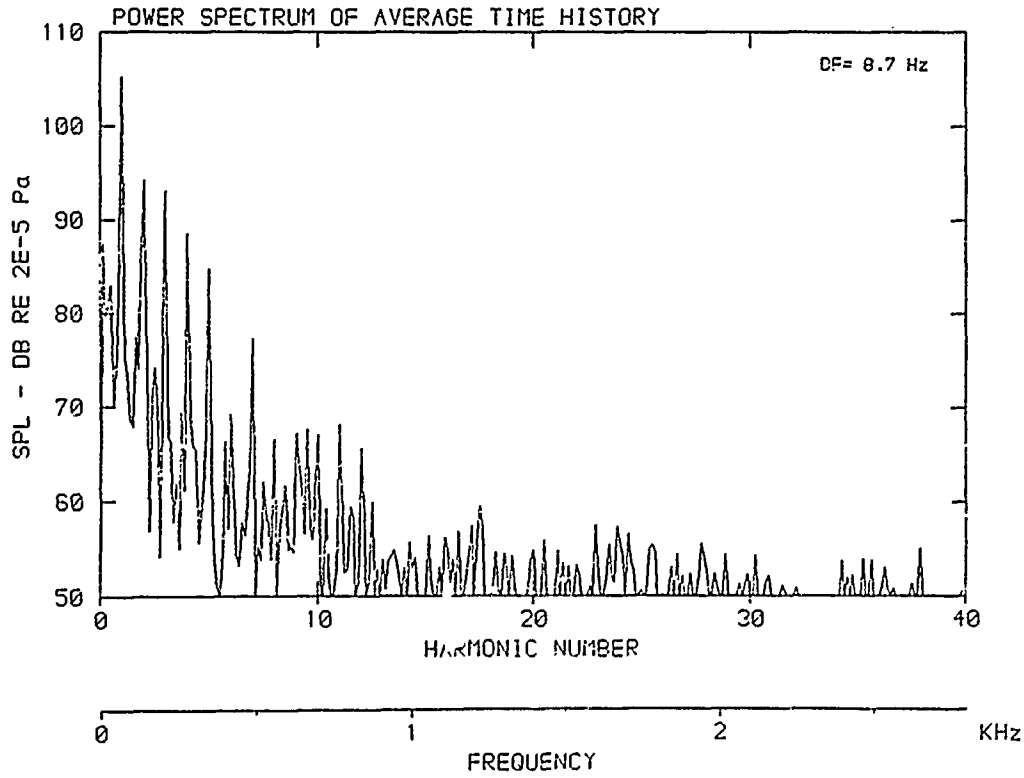




DATA POINT: DN-3	RUN: 91	MP: 1

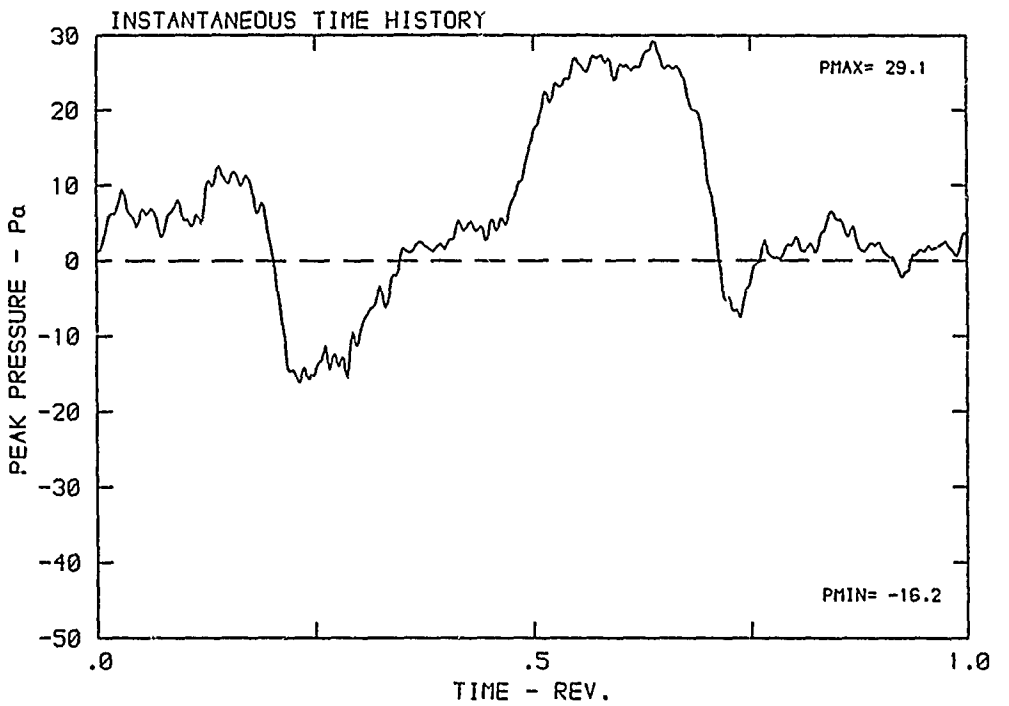
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

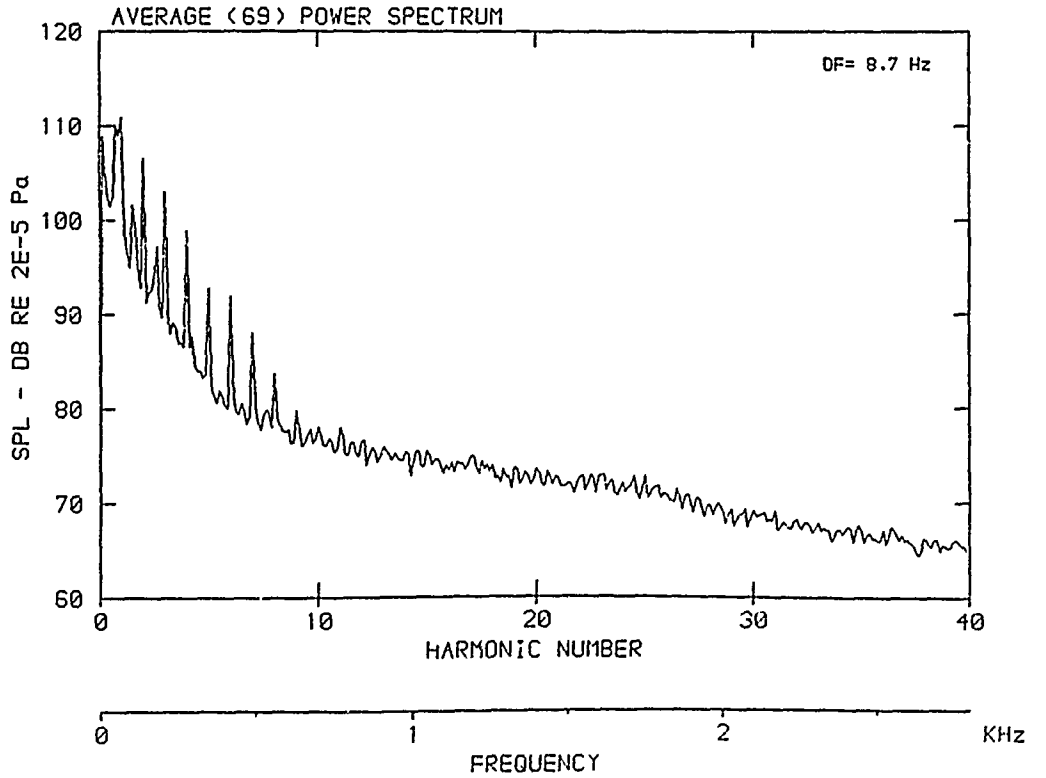




DATA POINT: DN-3 RUN: 91 MP: 2

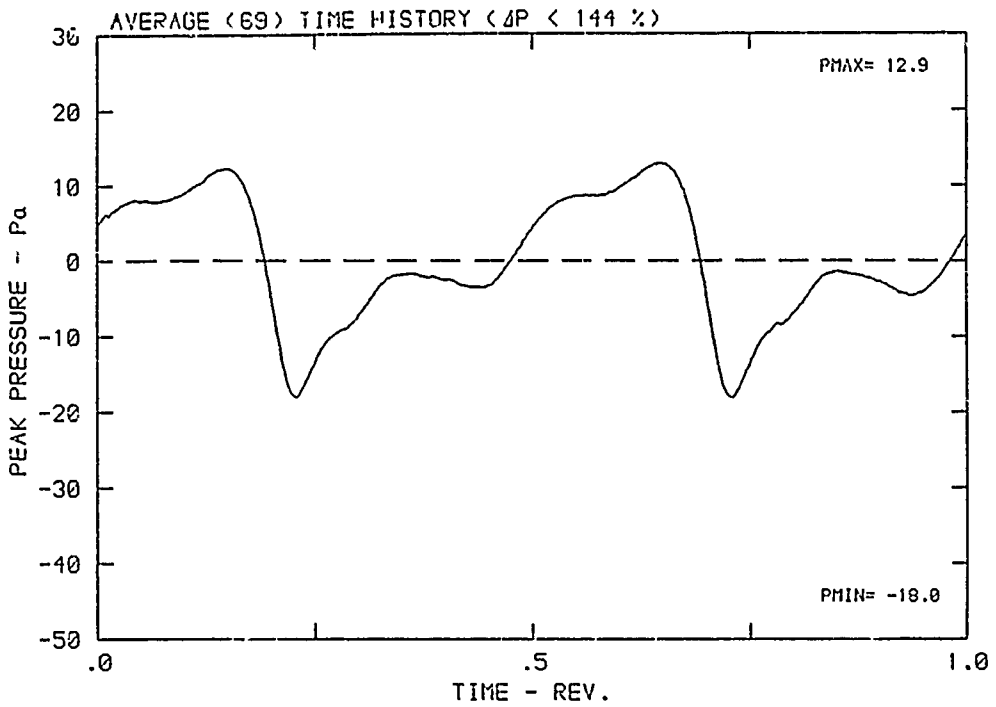
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

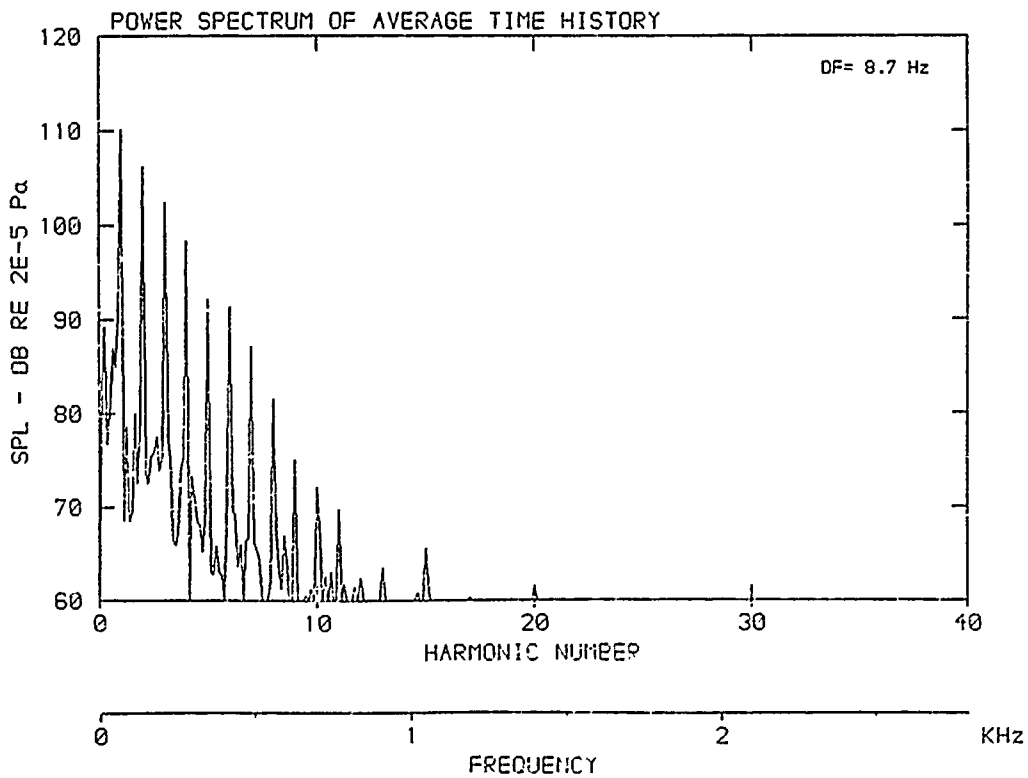




DATA POINT: DN-3 RUN: 91 MP: 2

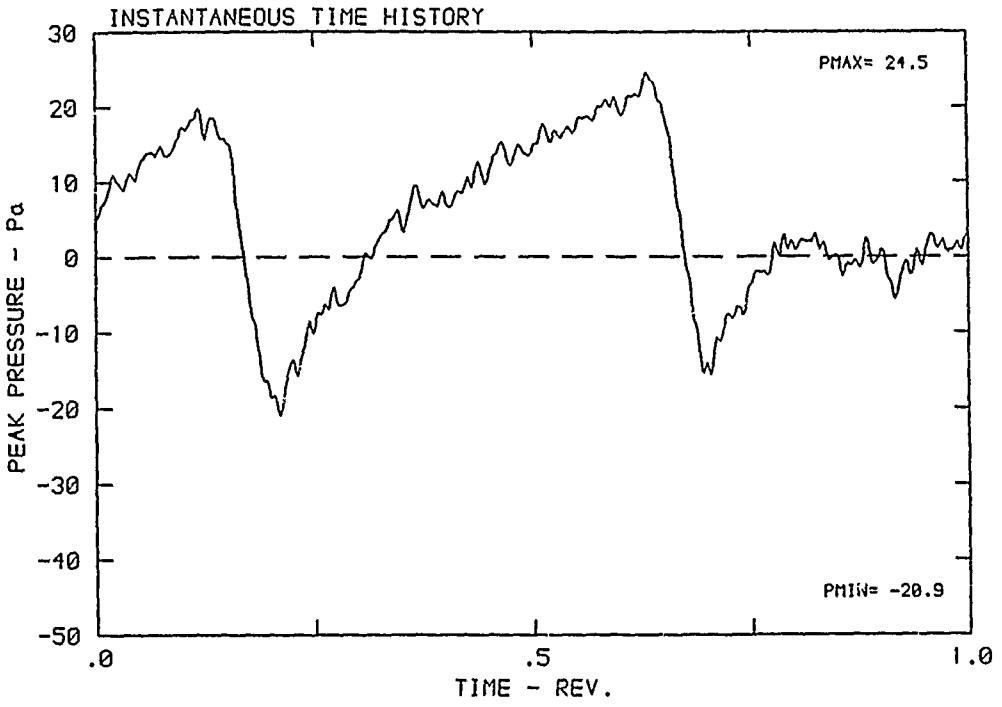
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

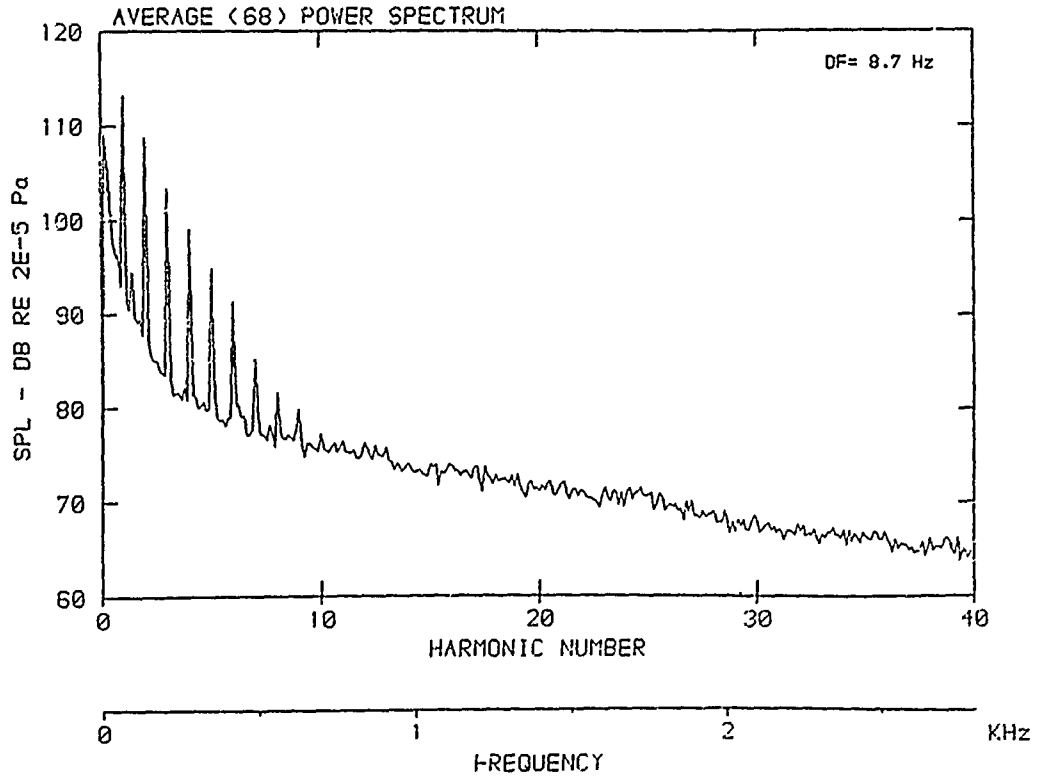




DATA POINT: DN-3 RUN: 91 MP: 3

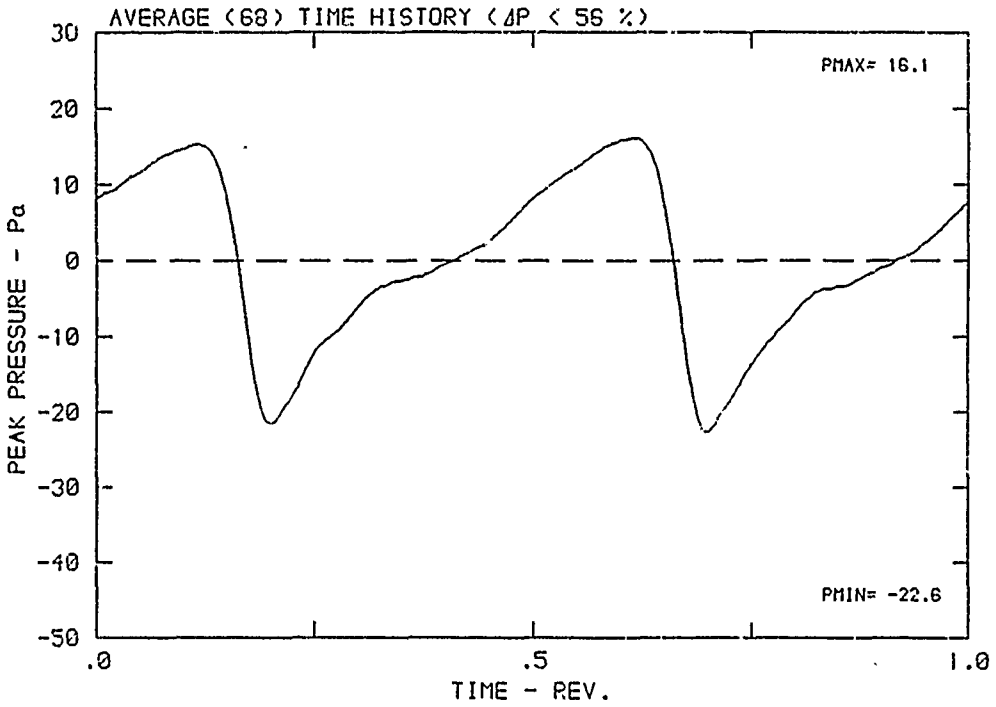
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

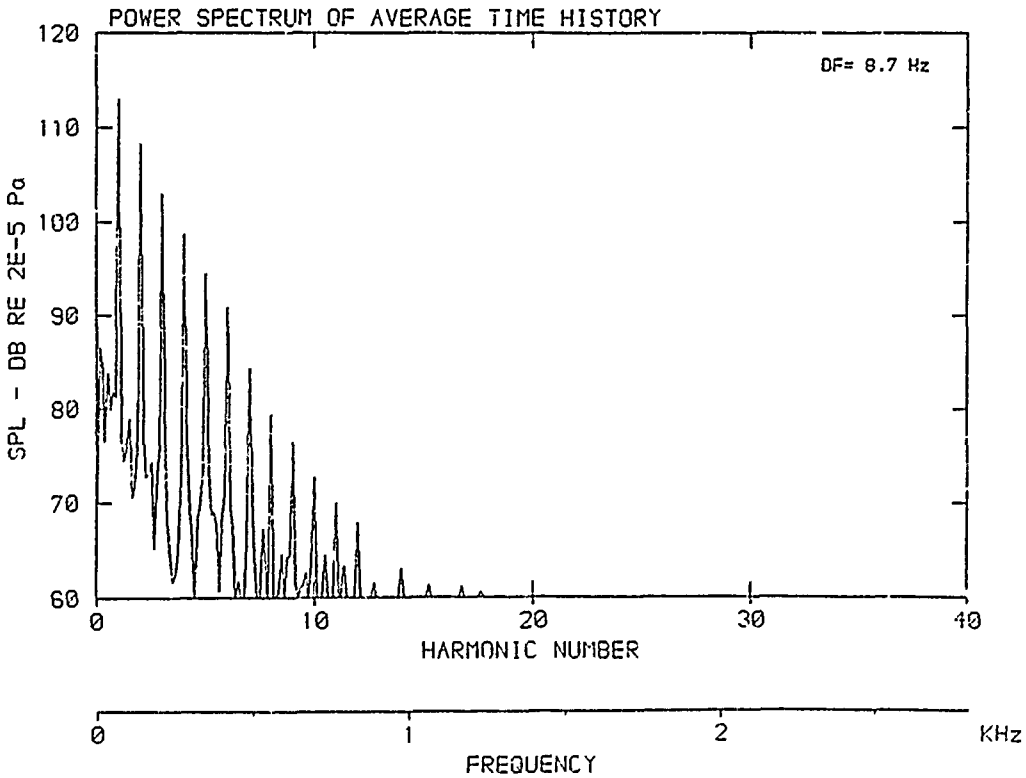




DATA POINT: DN-3	RUN: 91	MP: 3

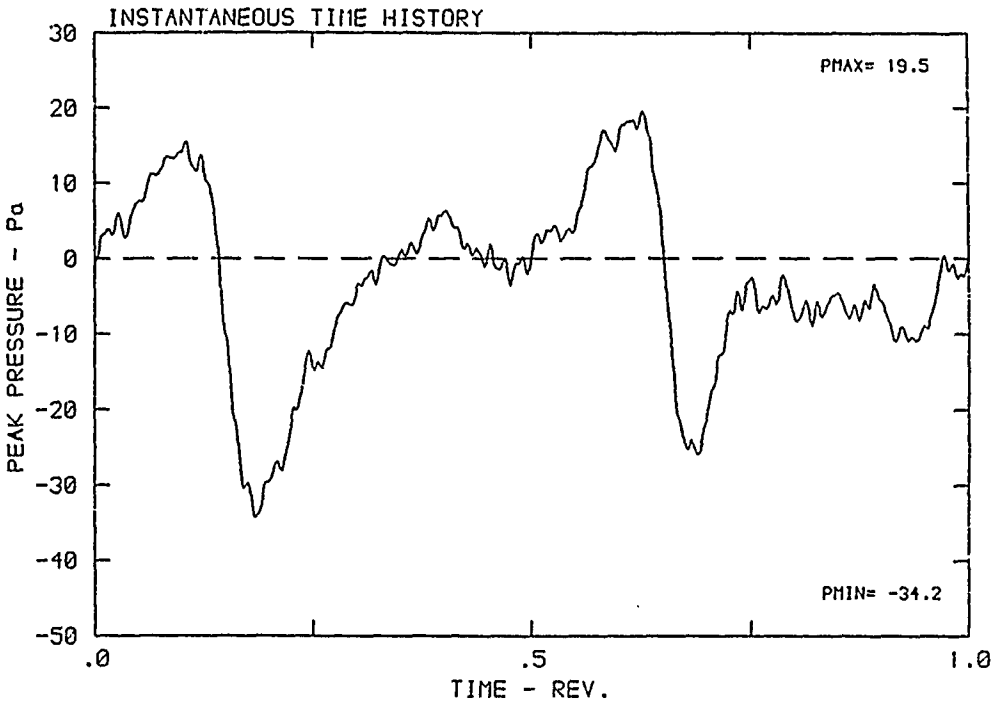
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

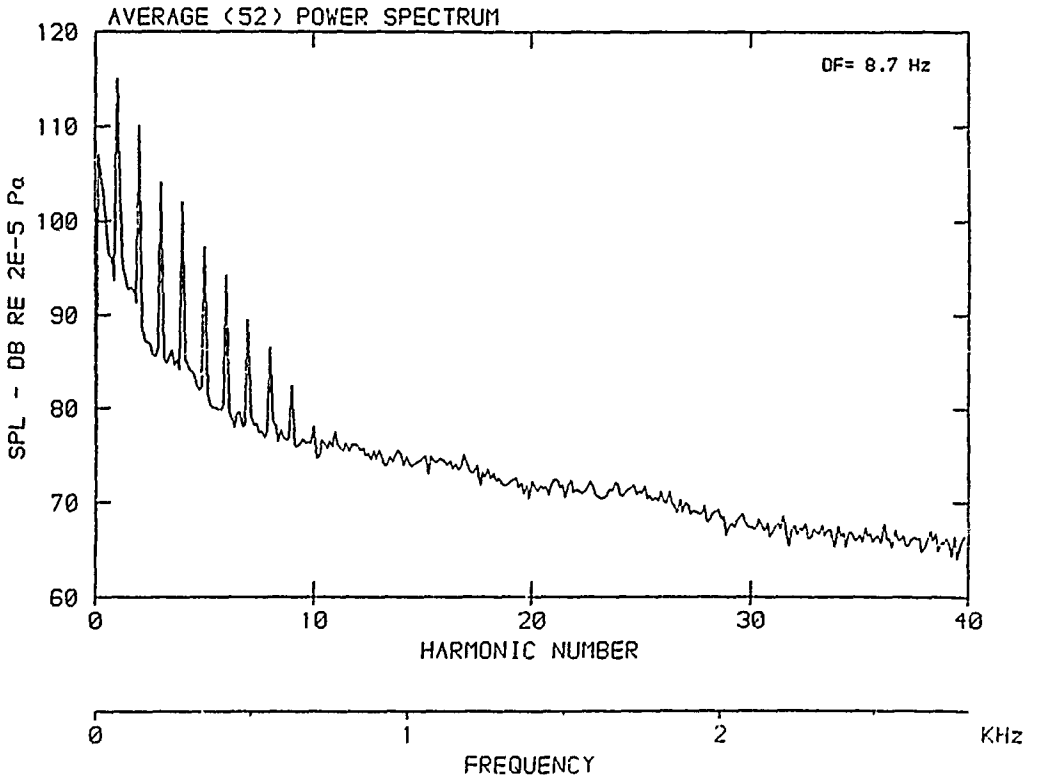




DATA POINT: DN-3 RUN: 91 MP: 4

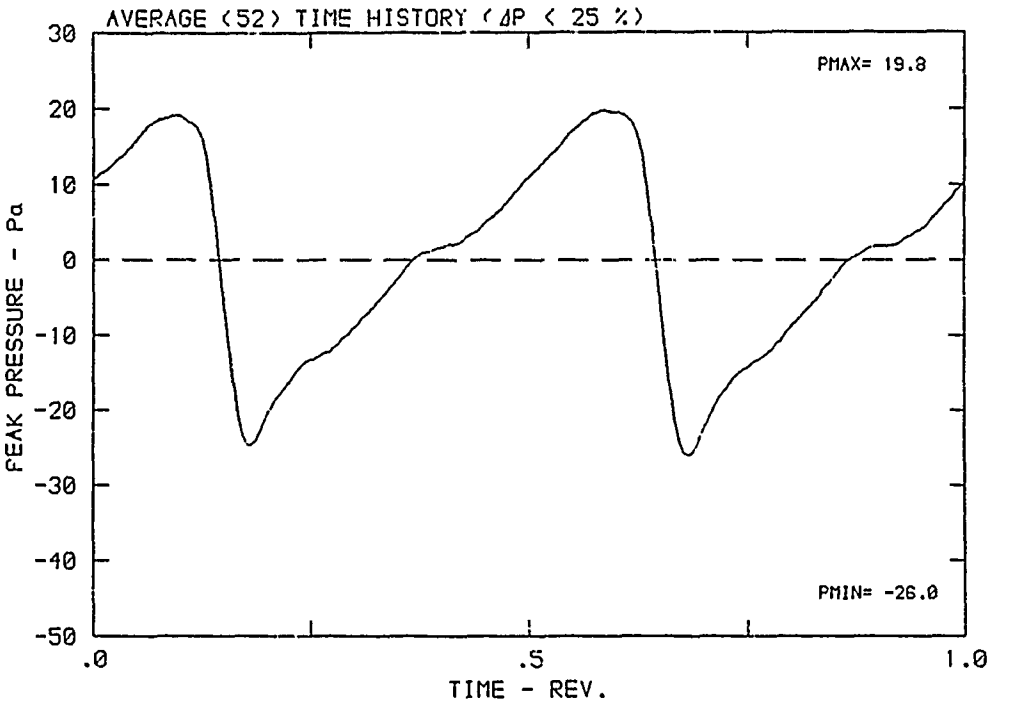
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

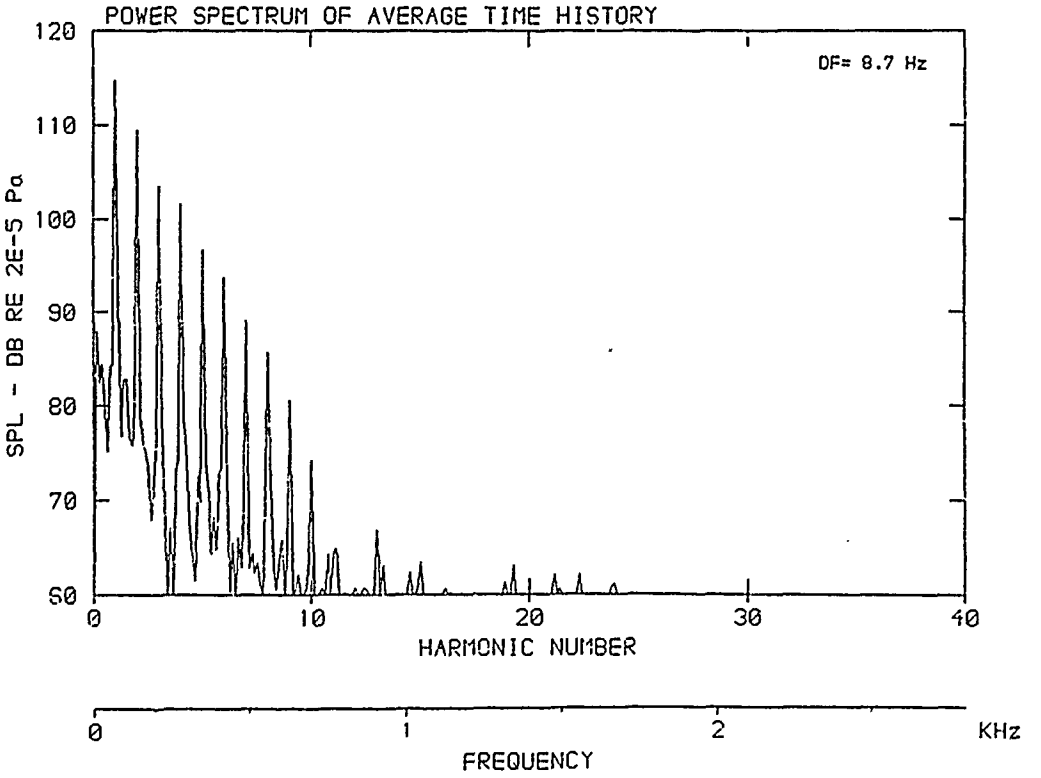




DATA POINT: DN-3	RUN: 91	MP: 4

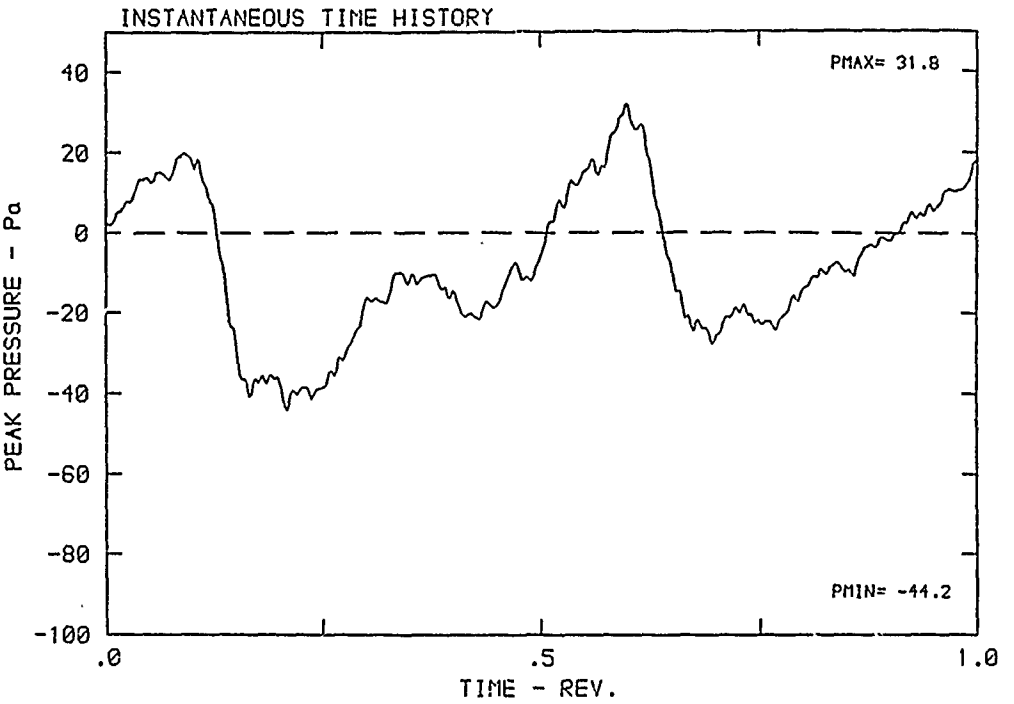
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

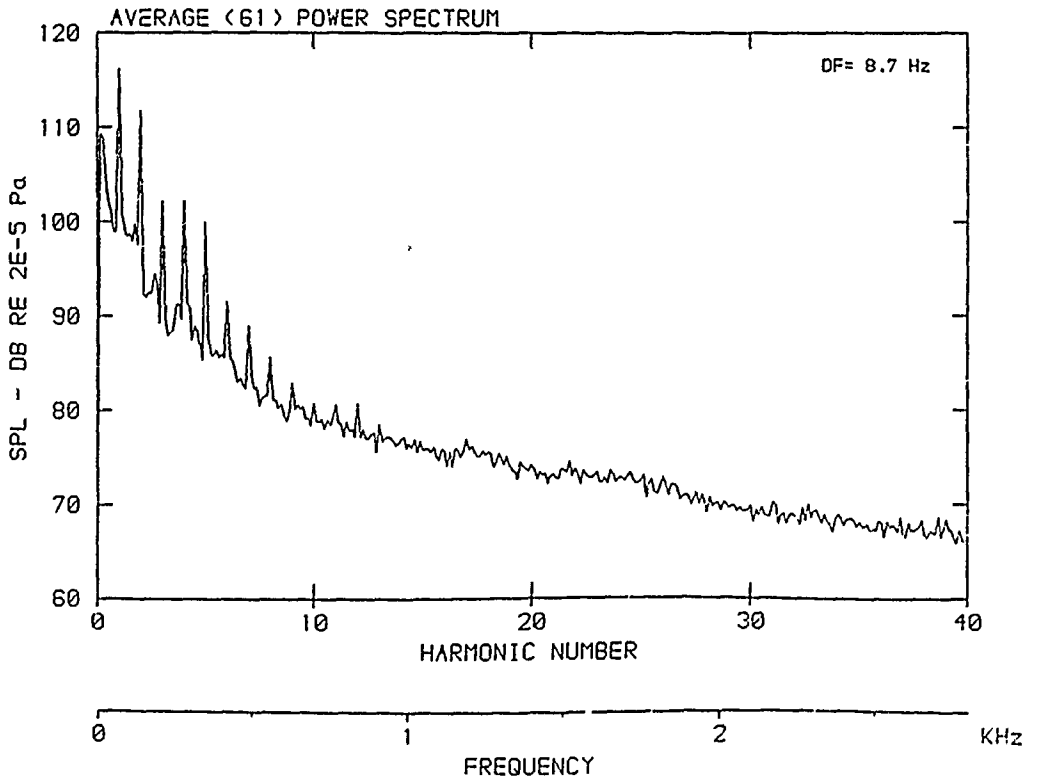




DATA POINT: DN-3 RUN: 91 MP: 5

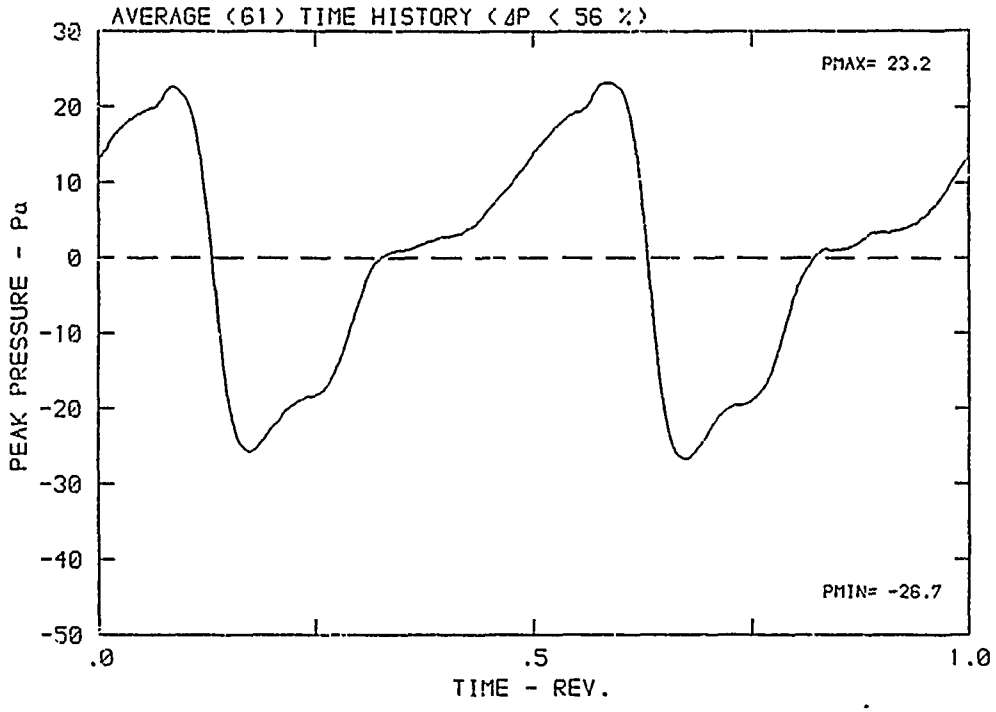
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

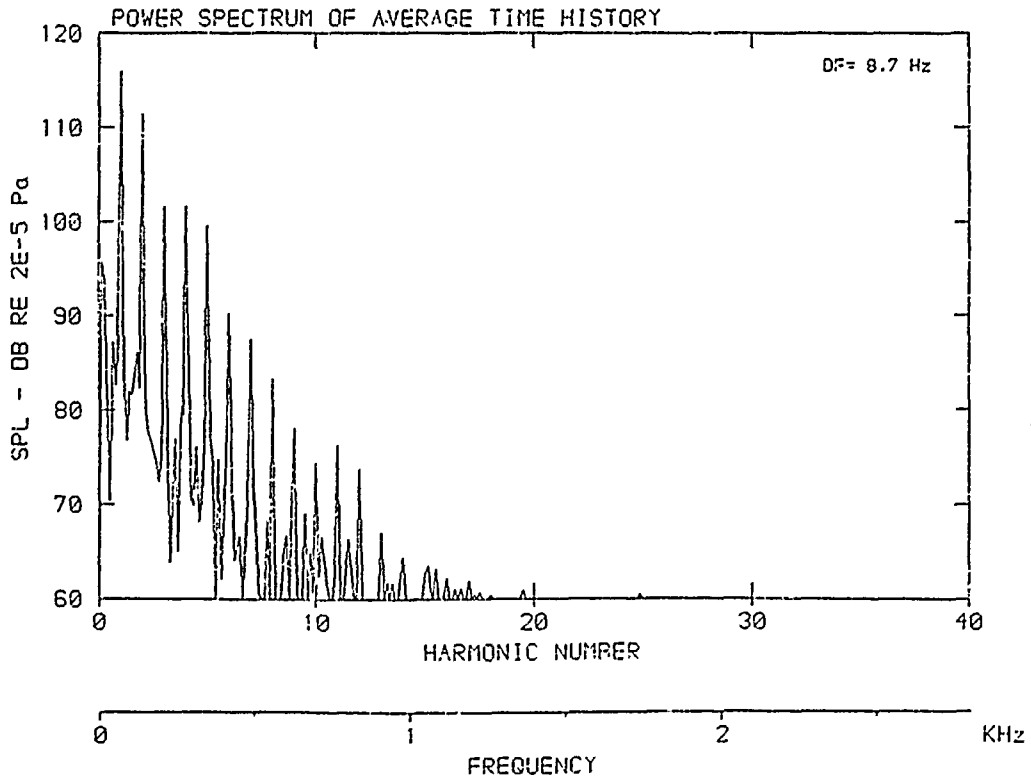




DATA POINT: DN-3 RUN: 91 MP: 5

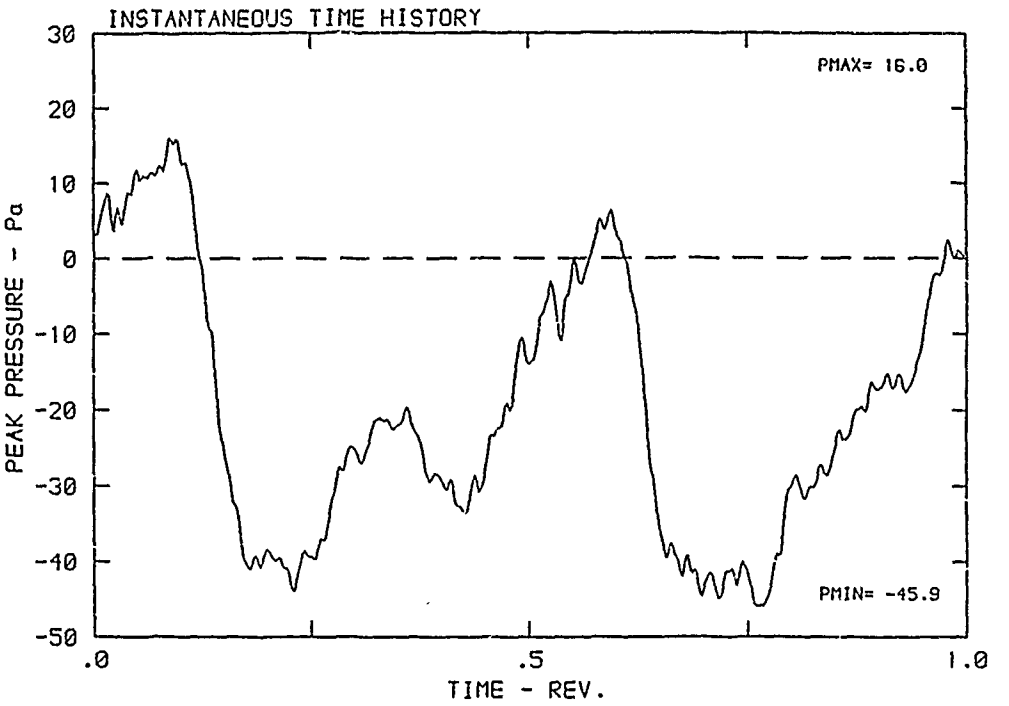
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

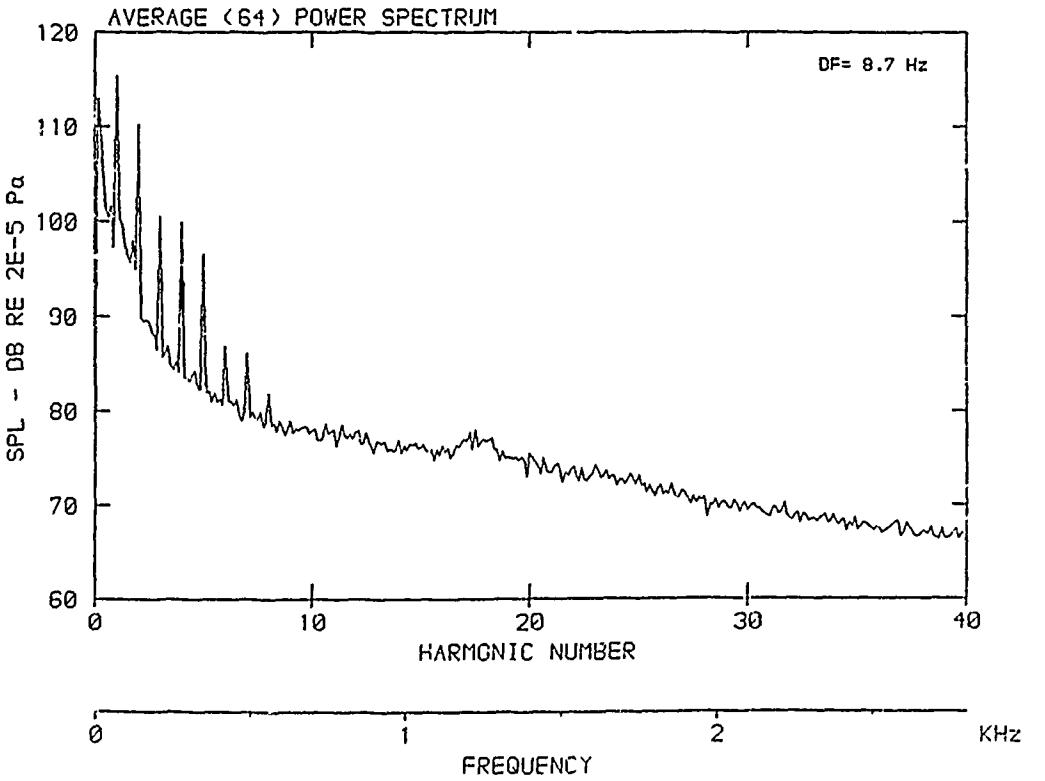




DATA POINT: DN-3	RUN: 91	MP: 6

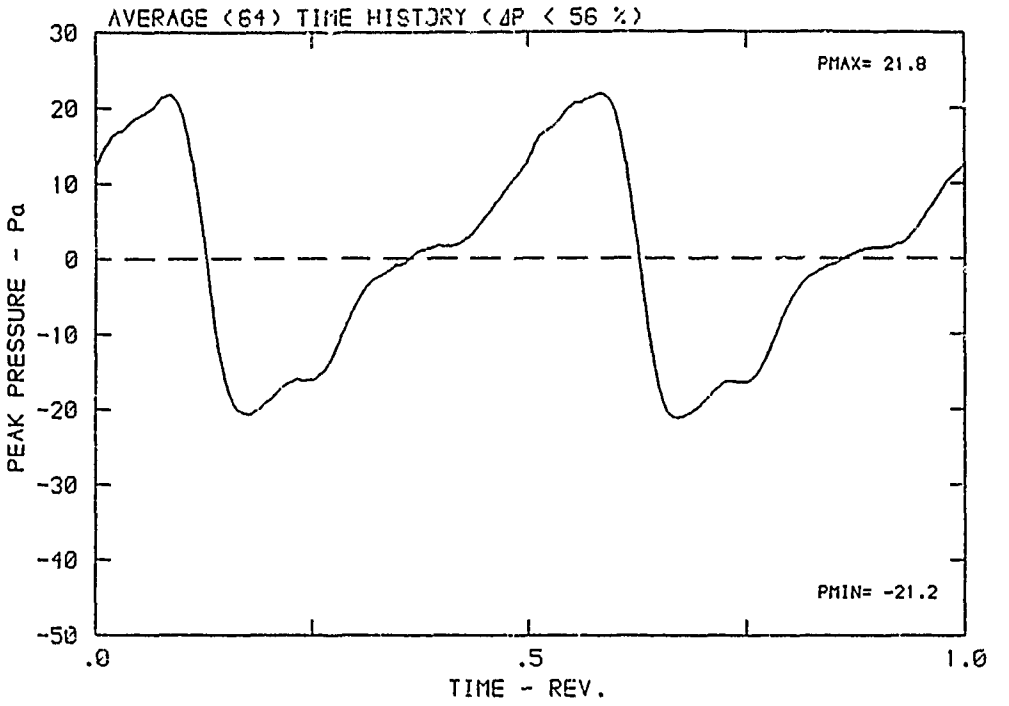
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

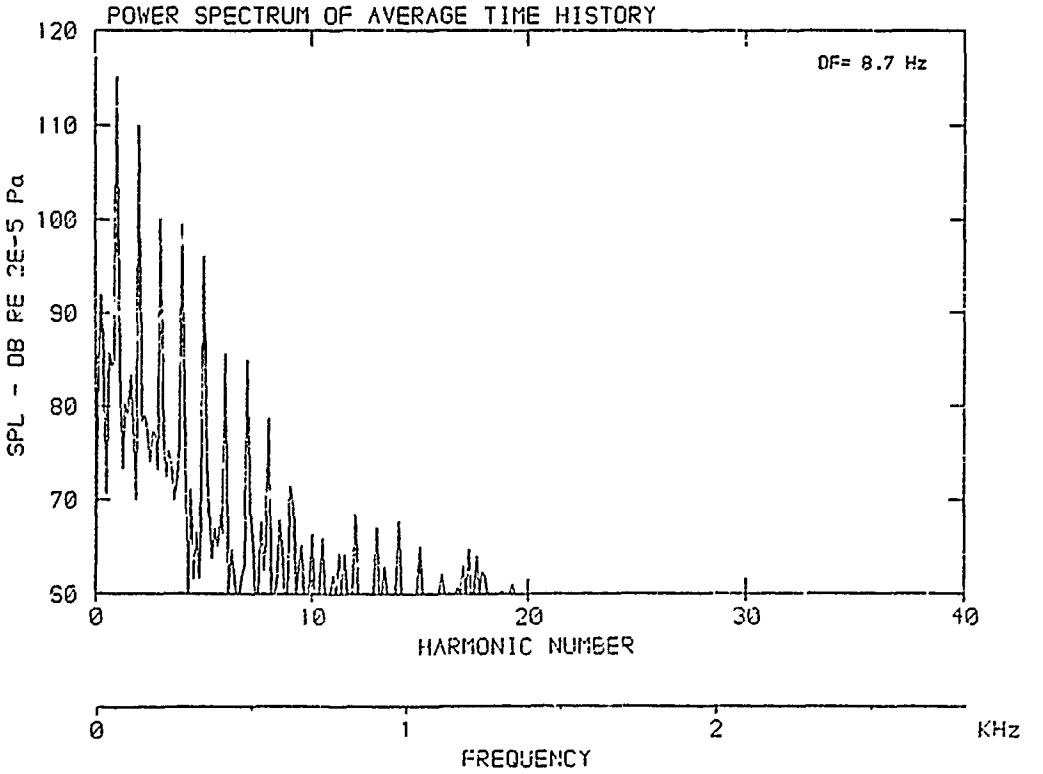




DATA POINT: DN-3 RUN: 91 MP: 6

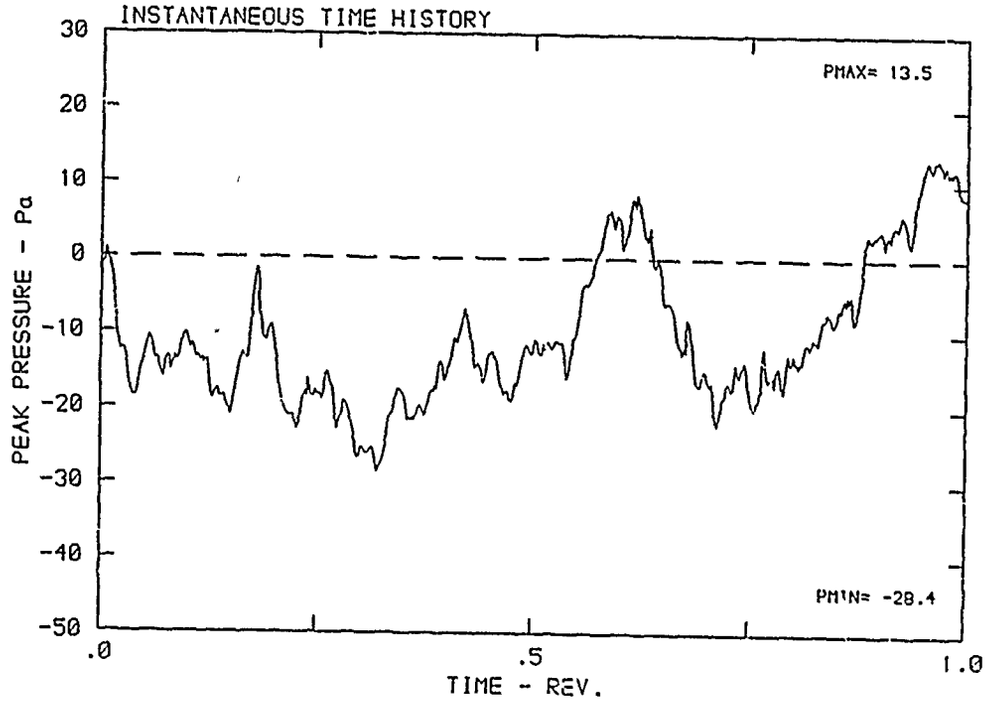
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

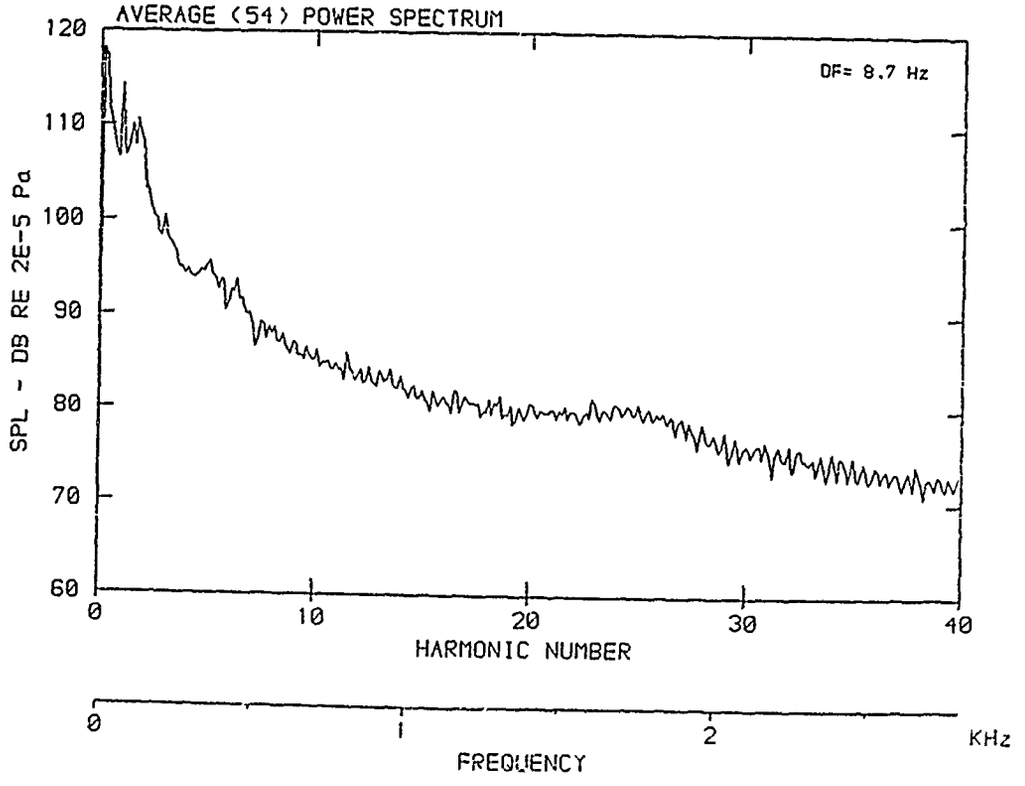




DATA POINT: DN-3 RUN: 91 MP: 7

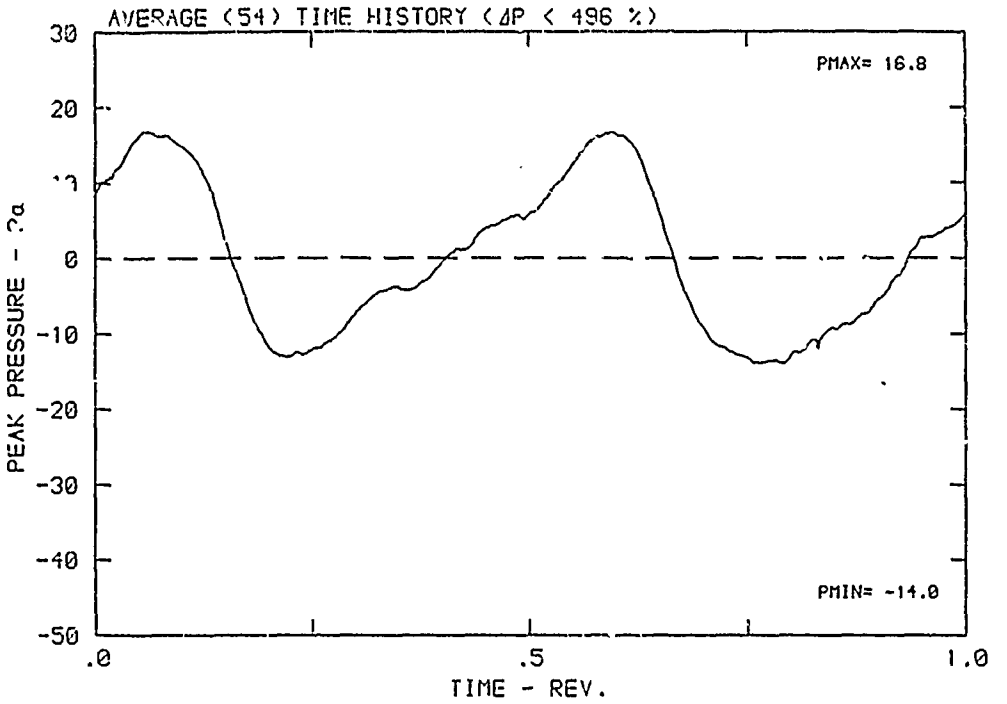
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

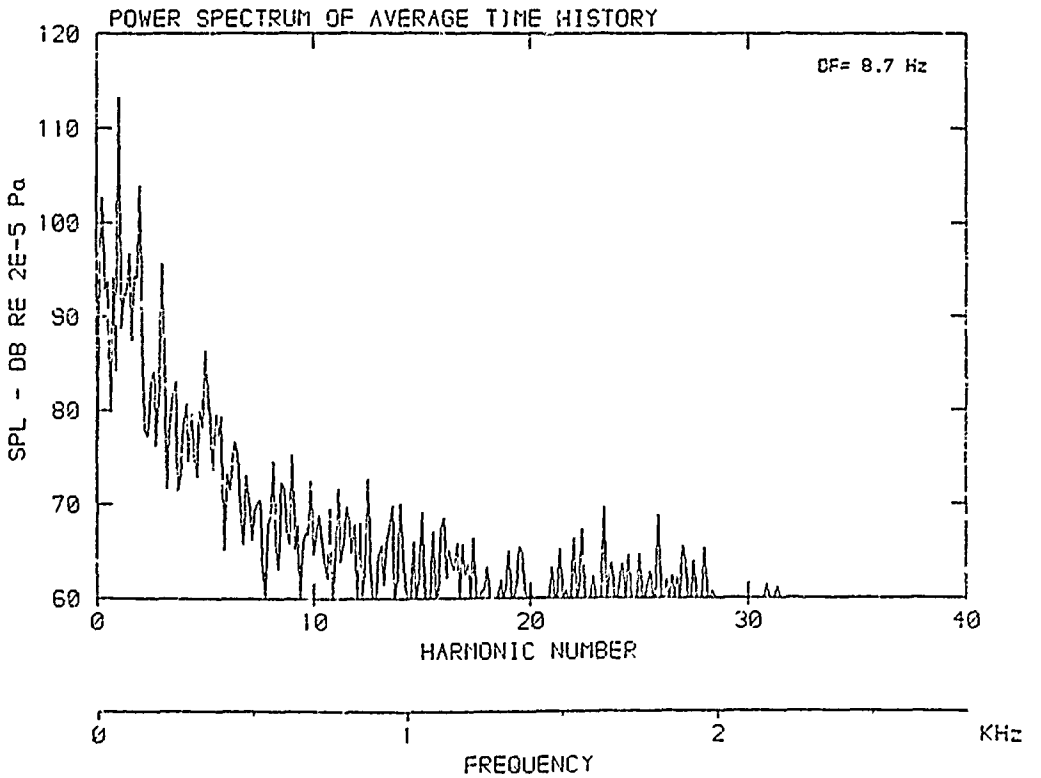




DATA POINT: DN-3 RUN: 91 MP: 7

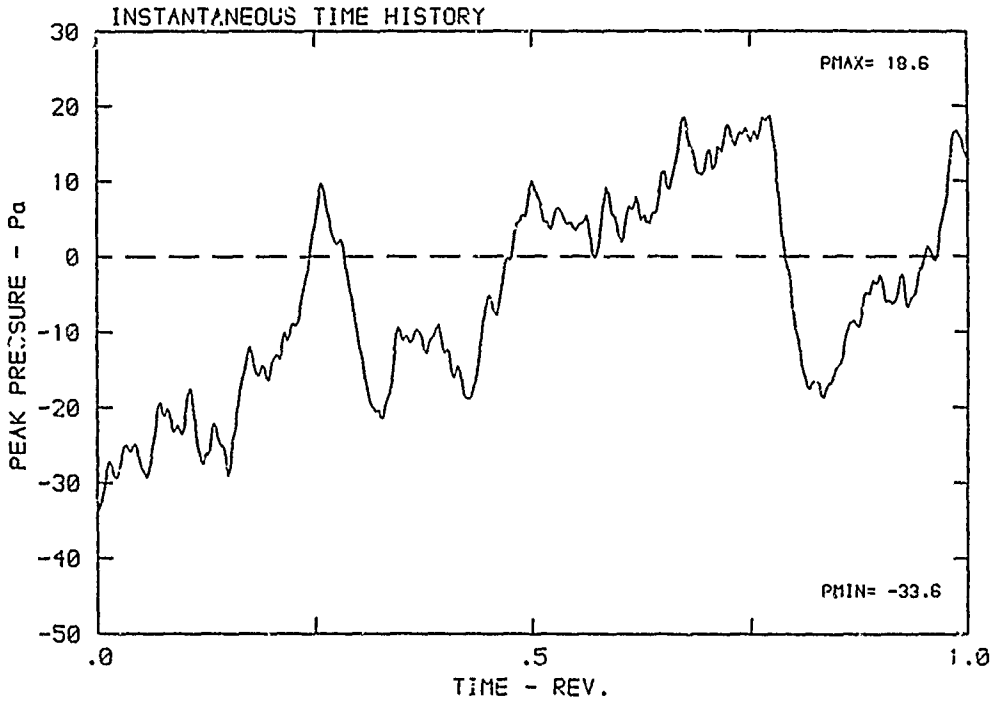
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

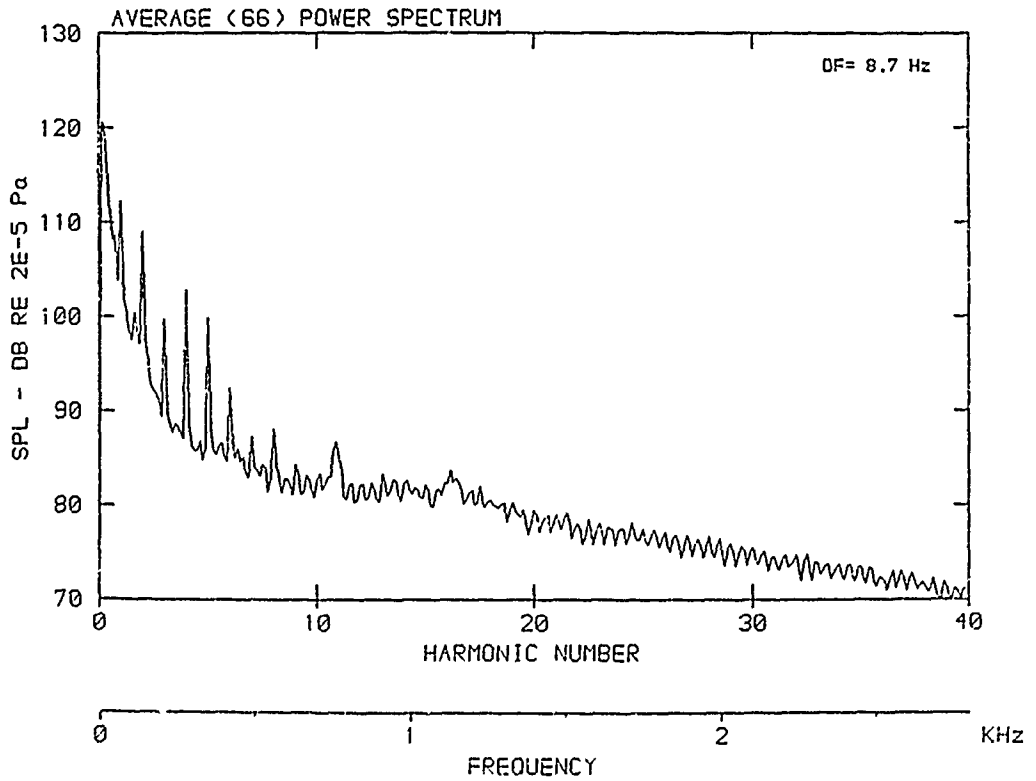




DATA POINT: DN-3 RUN: 91 MP: 9

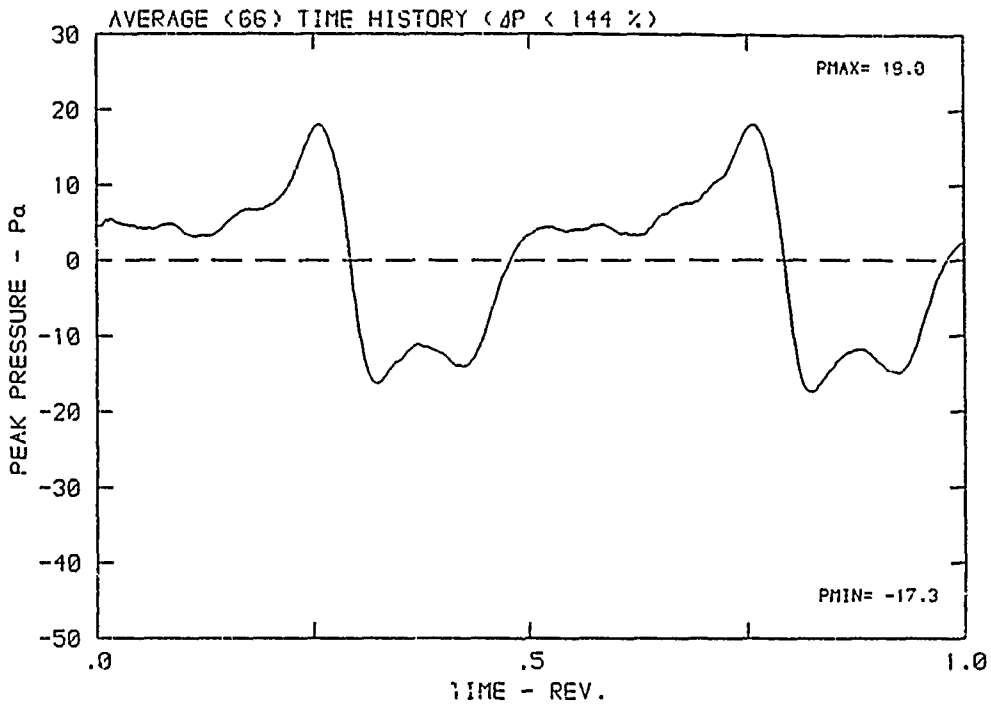
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.2 K

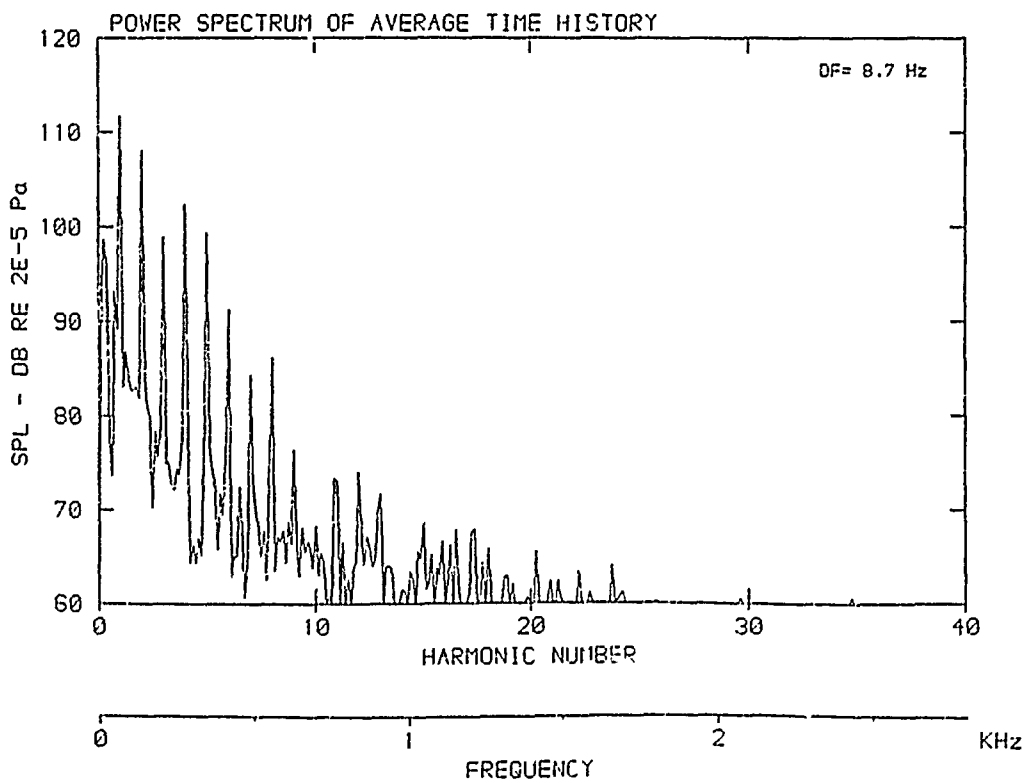




DATA POINT: DN-3	RUN: 91	MP: 9

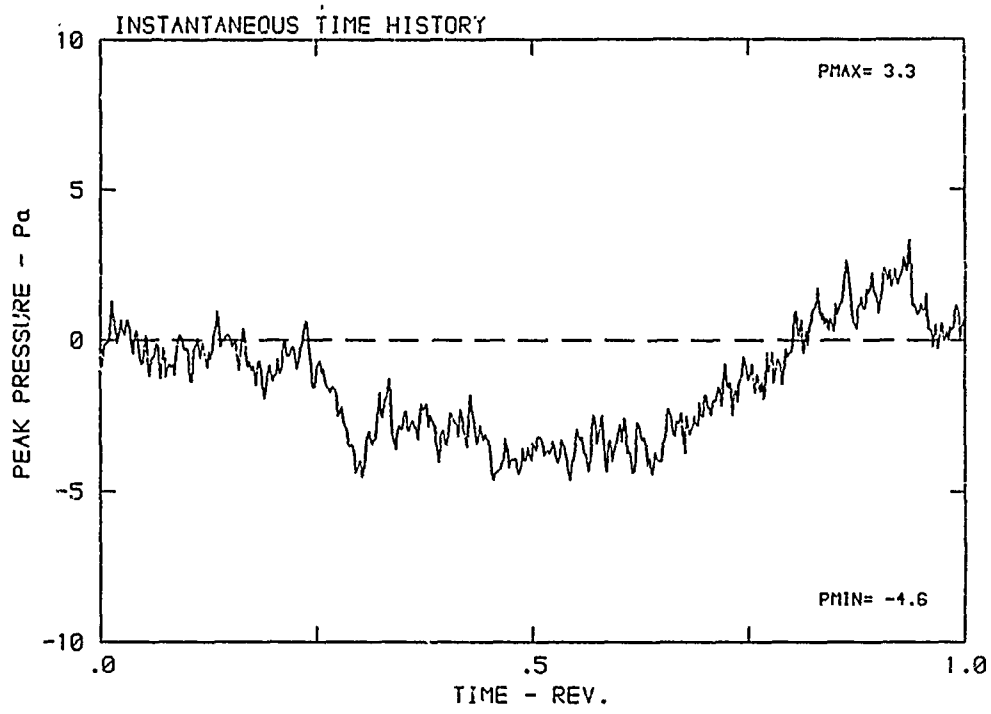
β: 29.0° MH: .6883 n: 2100 rpm v/u: .302 ϕ: .0° T: 286.0 K

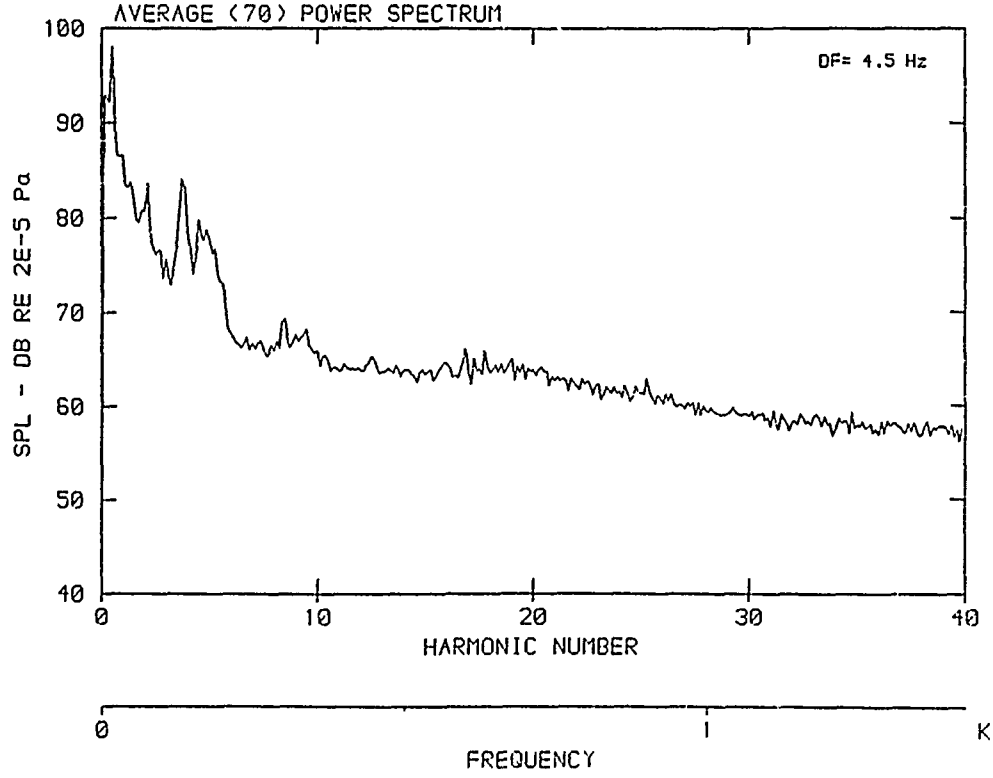




DATA POINT: DN-4 RUN: 96 MP: 1

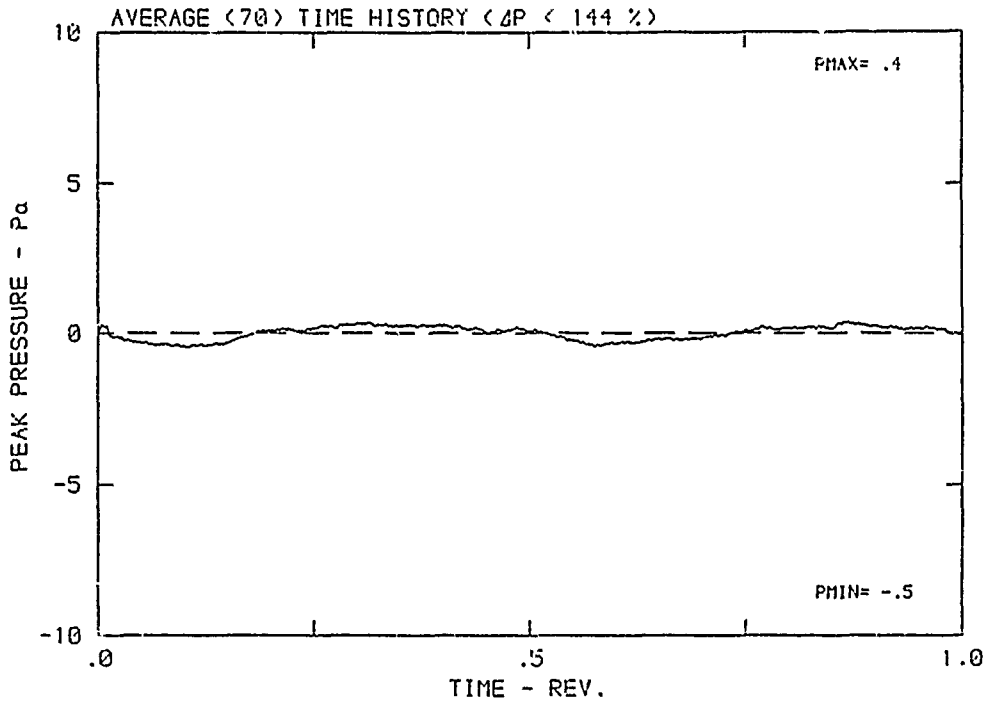
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 φ: .0° T: 286.8 K

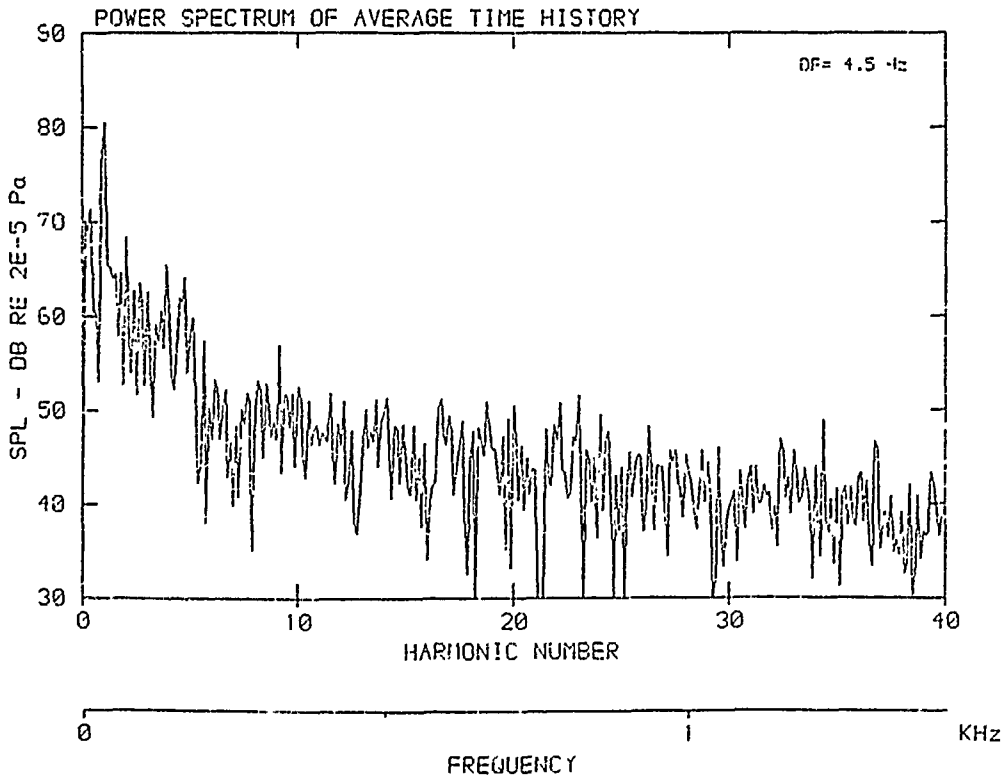




DATA POINT: DN-4	RUN: 96	MP: 1

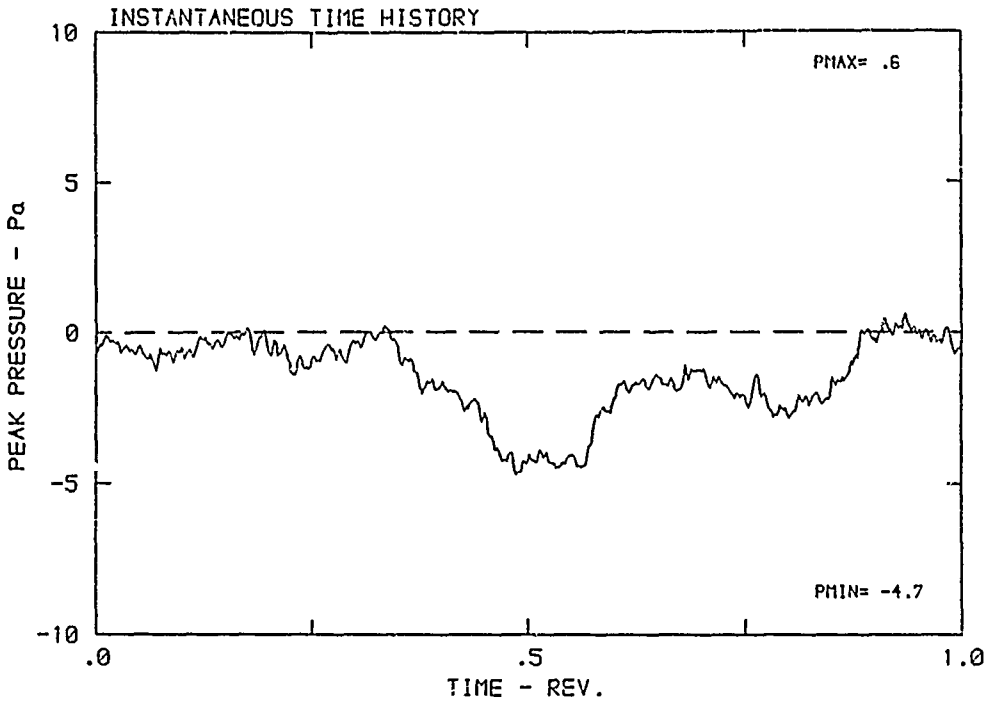
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

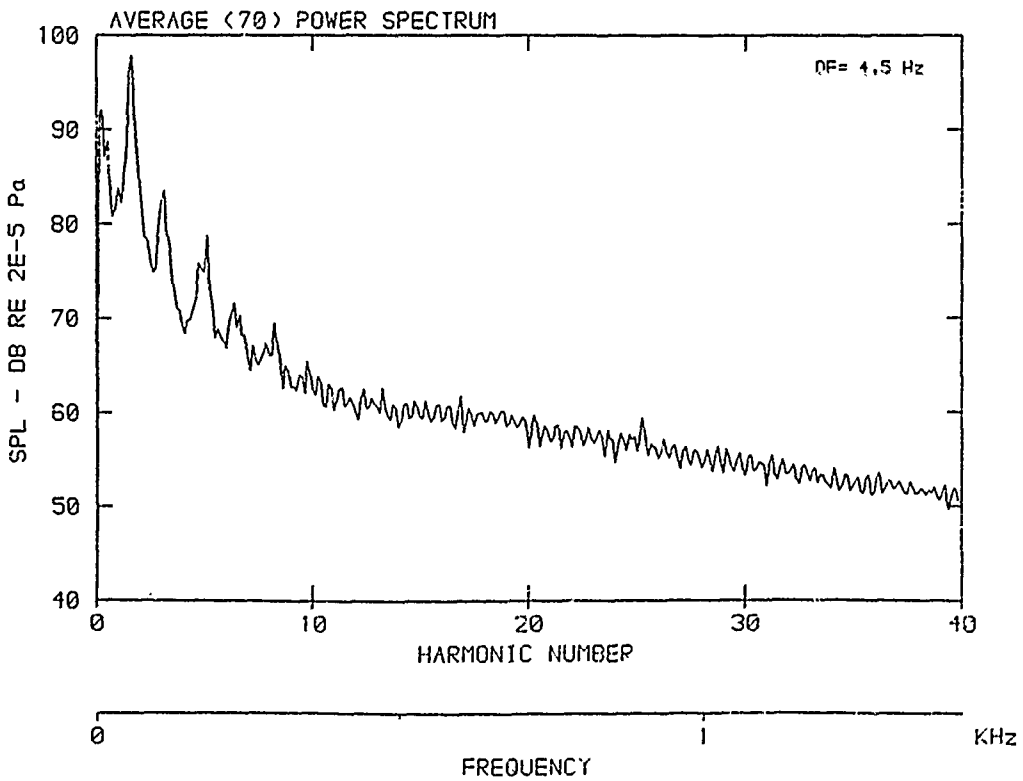




DATA POINT: DN-4 RUN: 96 MP: 2

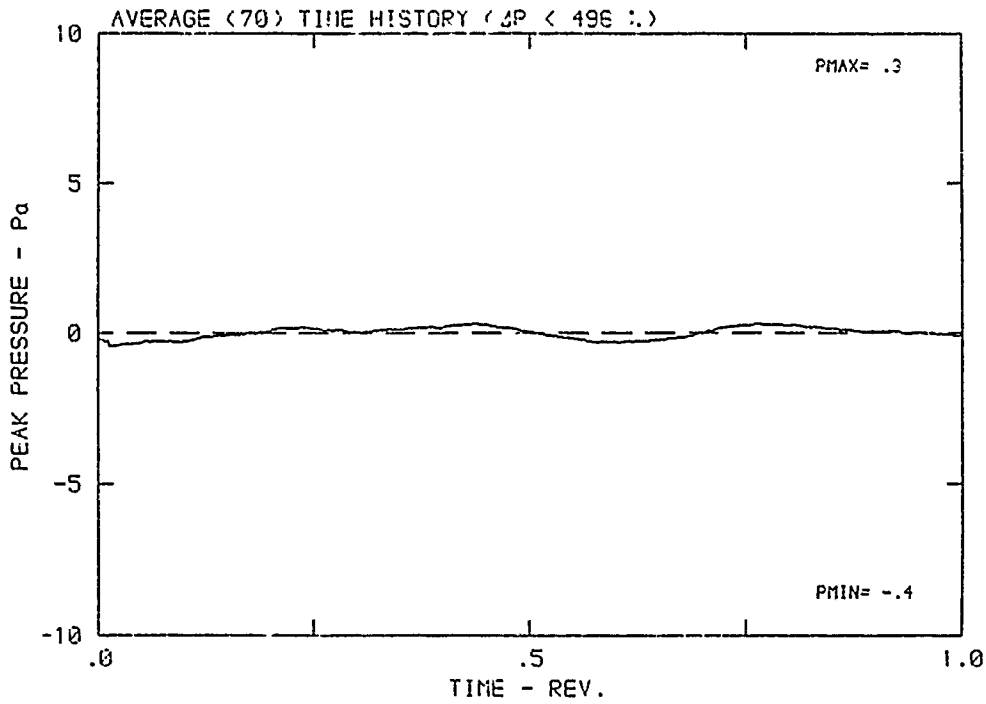
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

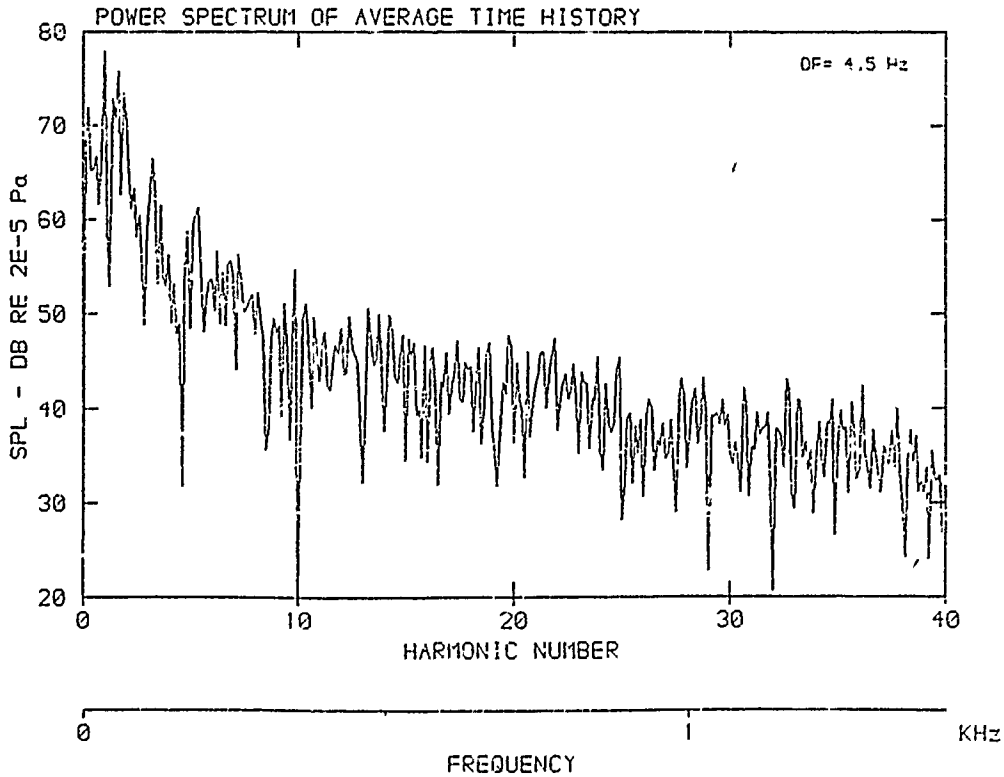




DATA POINT: DN-4 RUN: 96 MP: 2

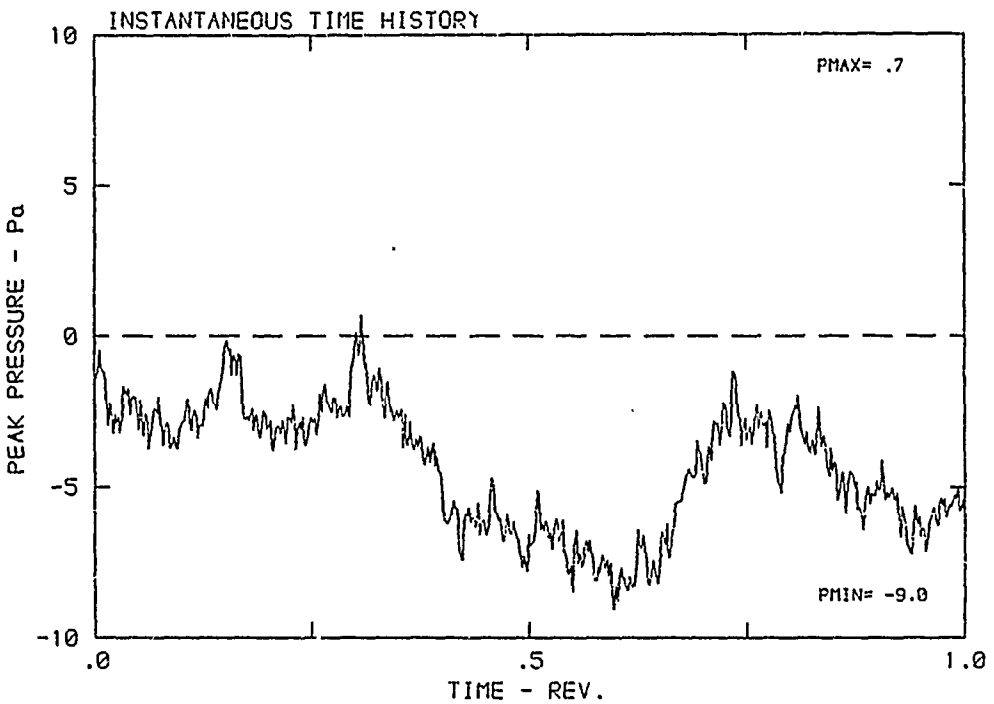
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

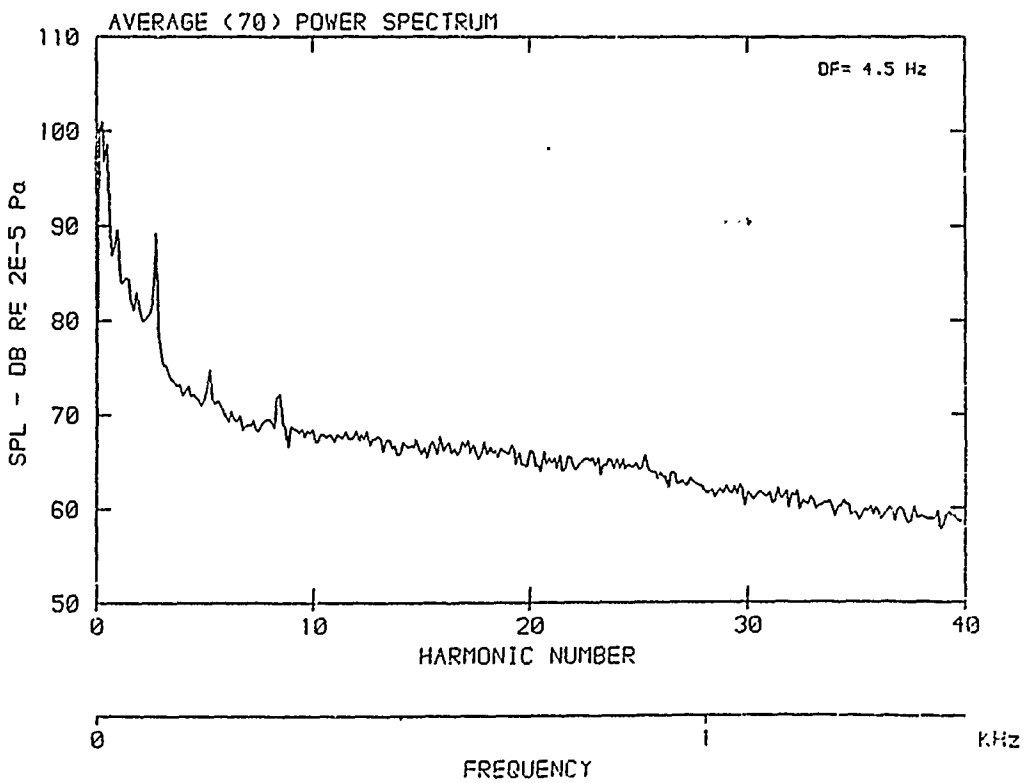




DATA POINT: DN-4 RUN: 96 MP: 3

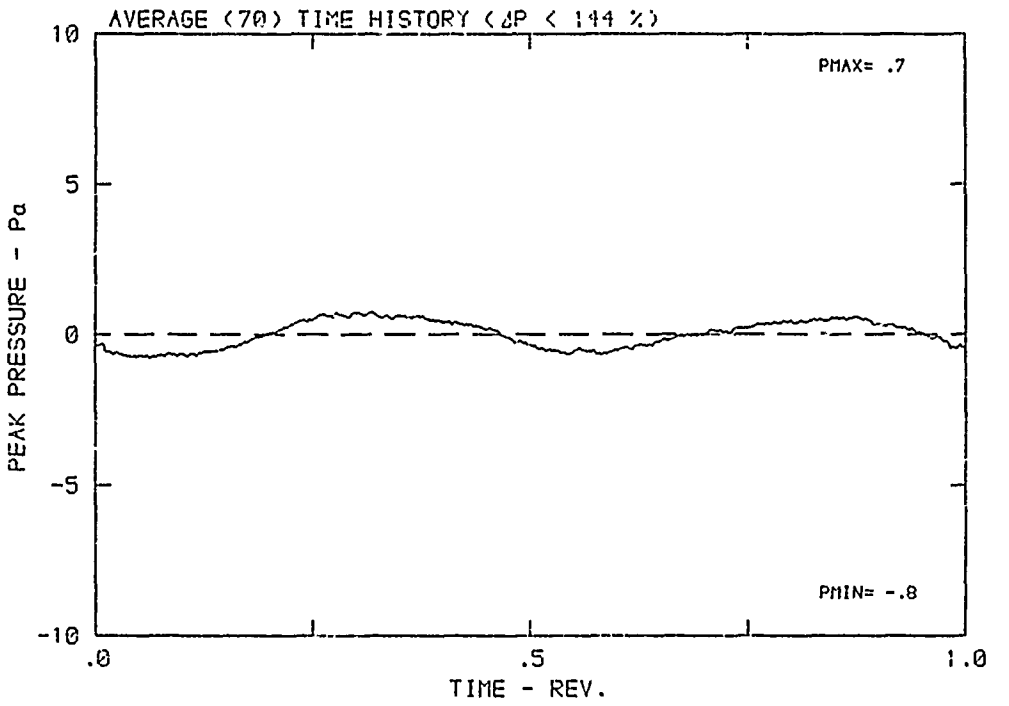
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

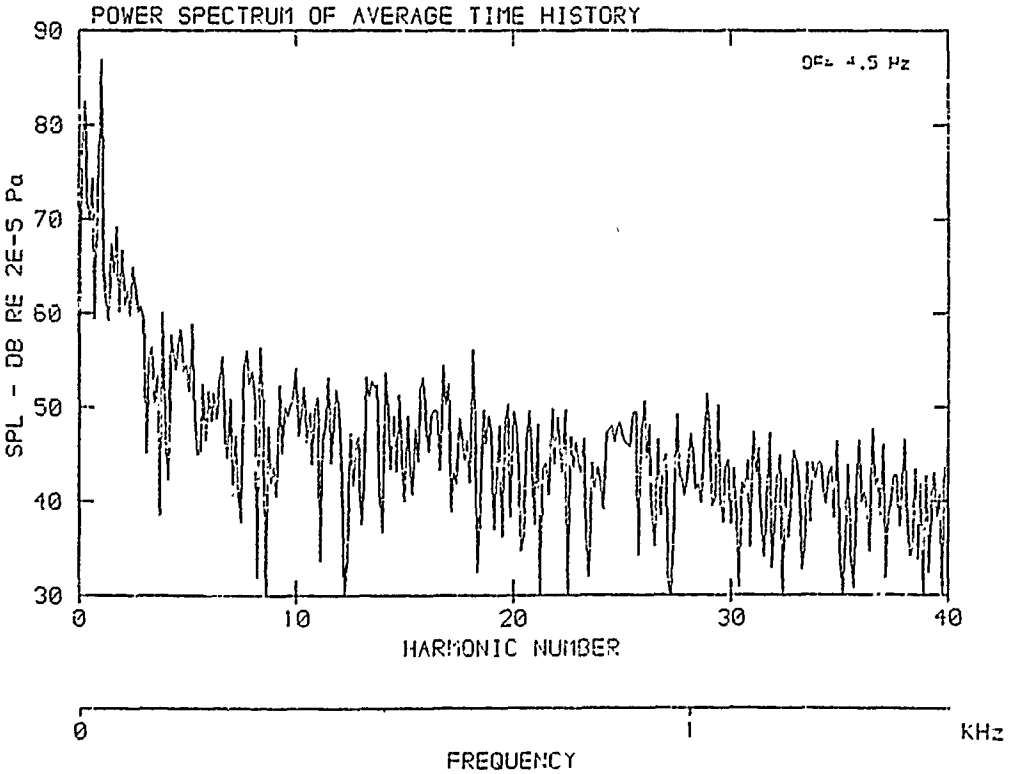




DATA POINT: DN-4	RUN: 96	MP: 3

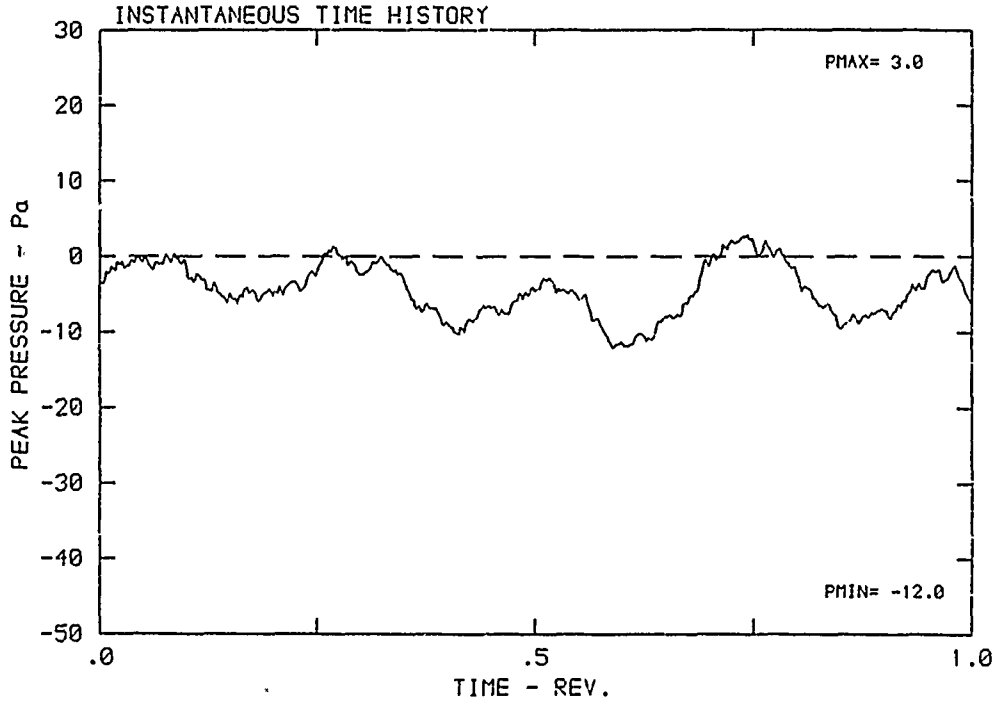
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

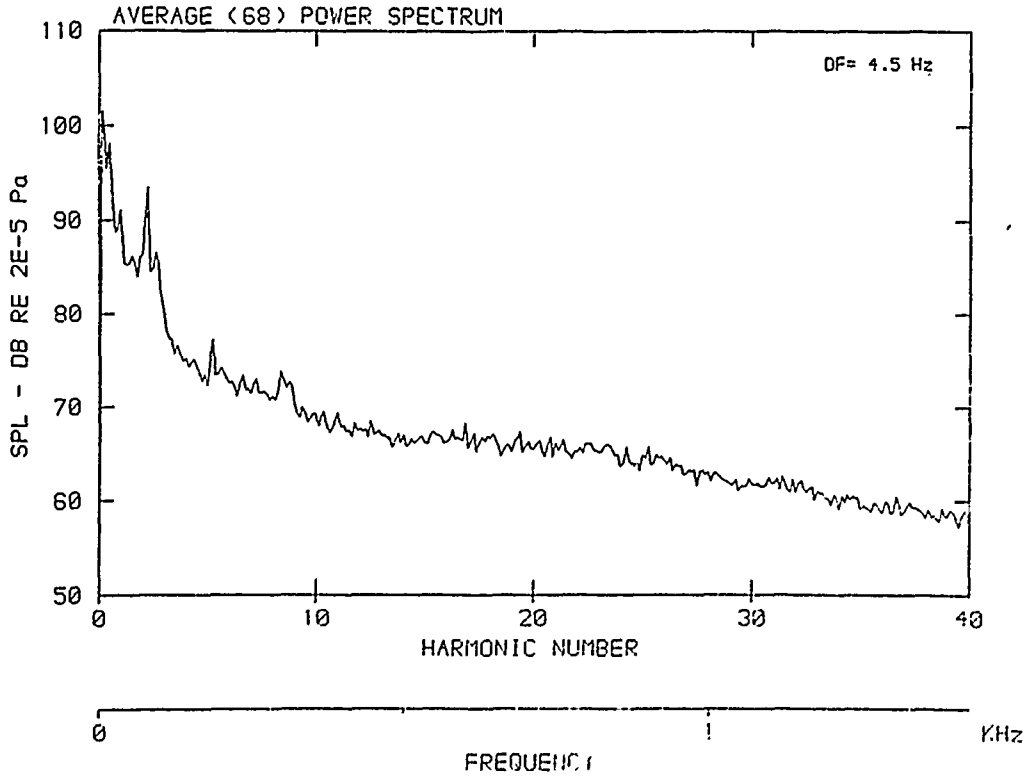




DATA POINT: DN-4 RUN: 96 MP: 4

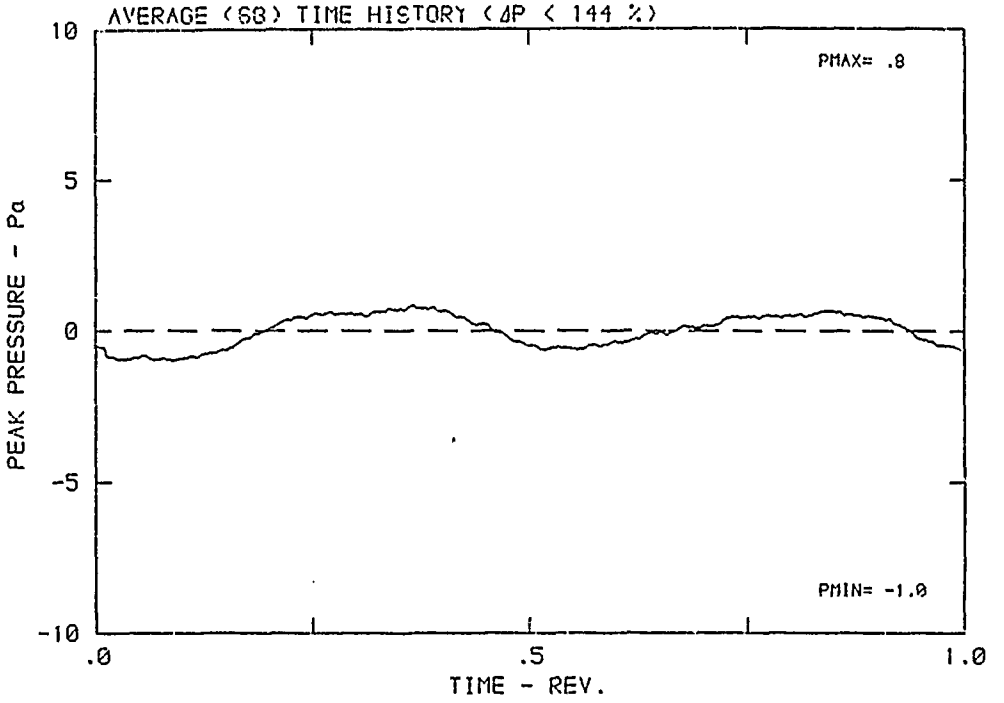
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

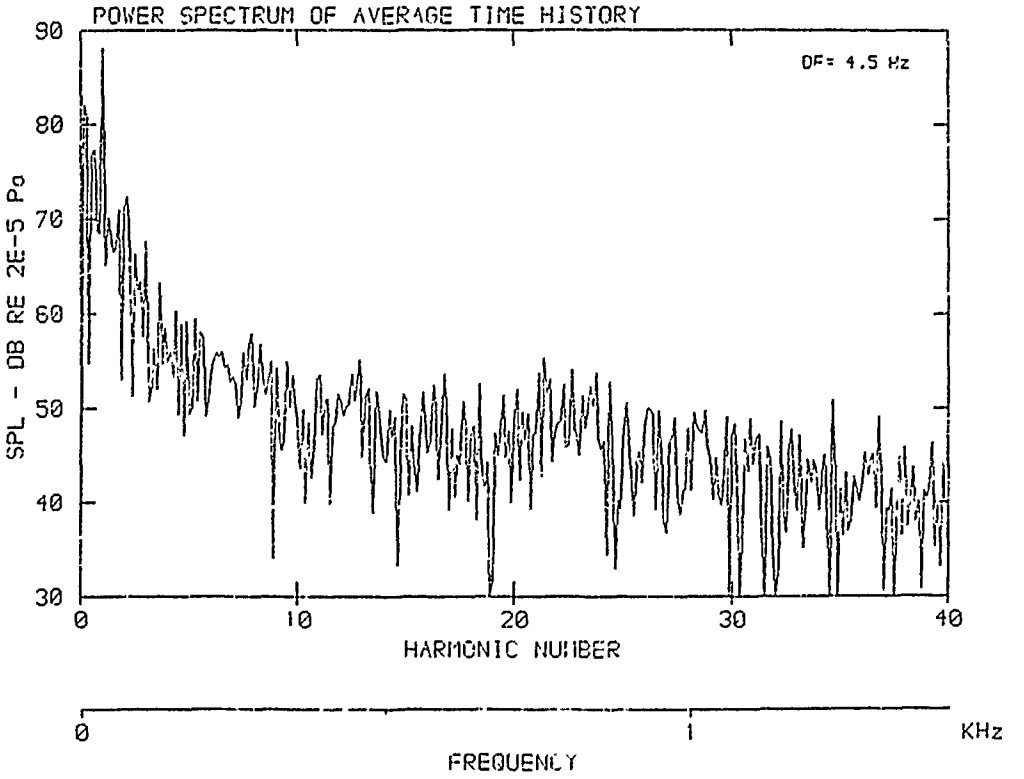




DATA POINT: DN-4	RUN: 96	MP: 4

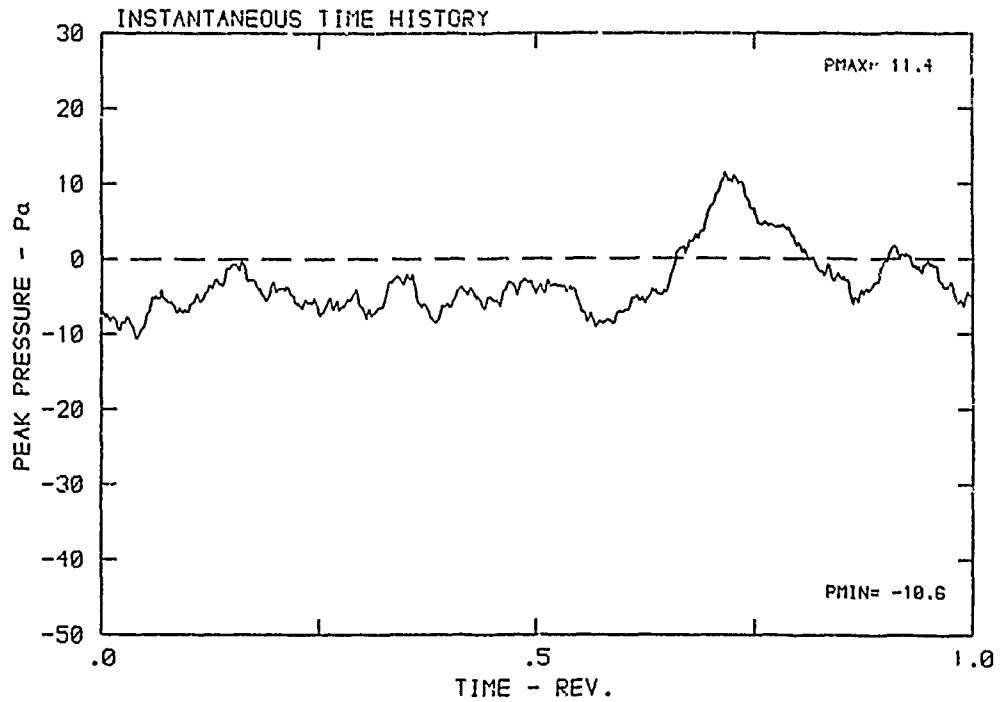
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

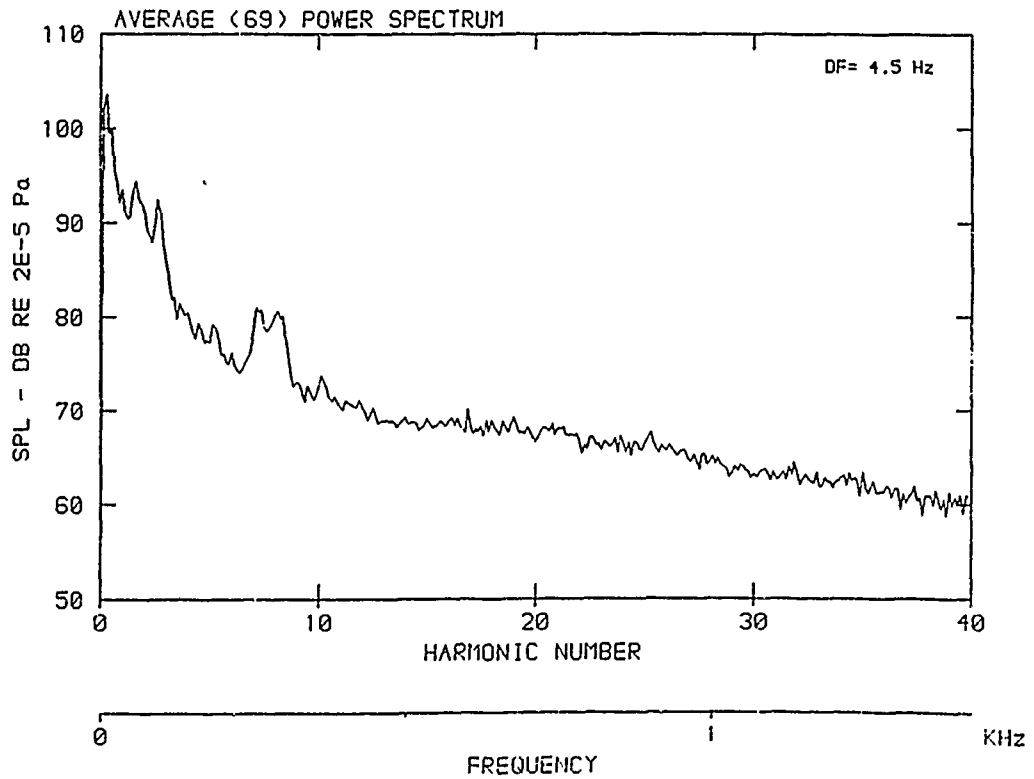




DATA POINT: DN-4 RUN: 96 MP: 5

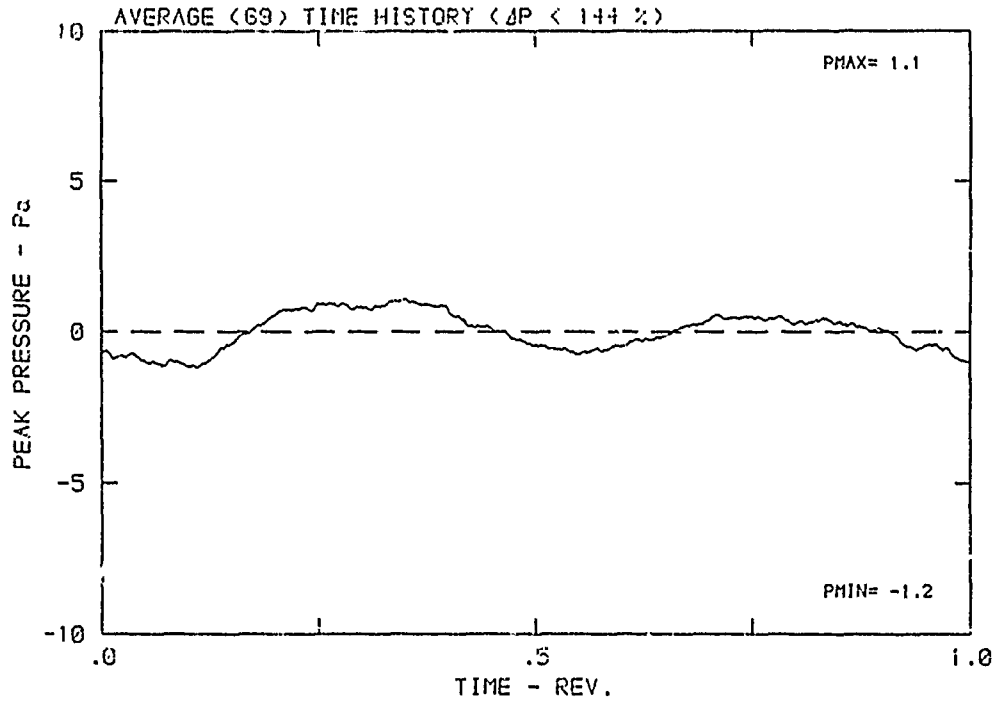
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ. .0° T: 286.8 K

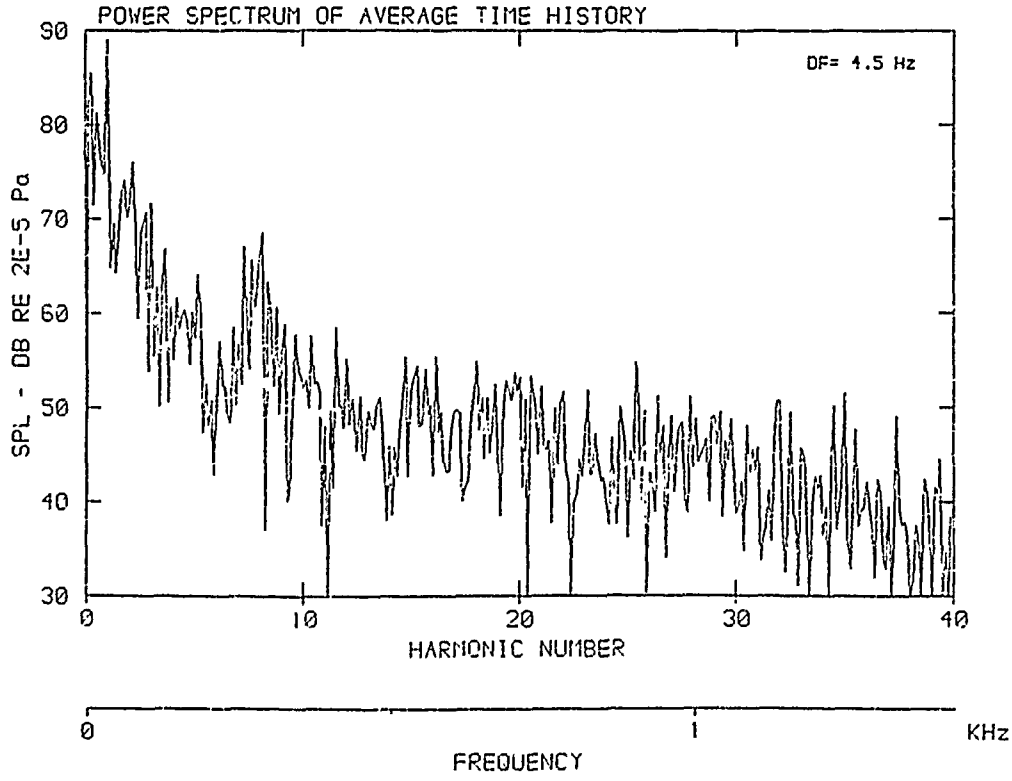




DATA POINT: DN-4 RUN: 96 MP: 5

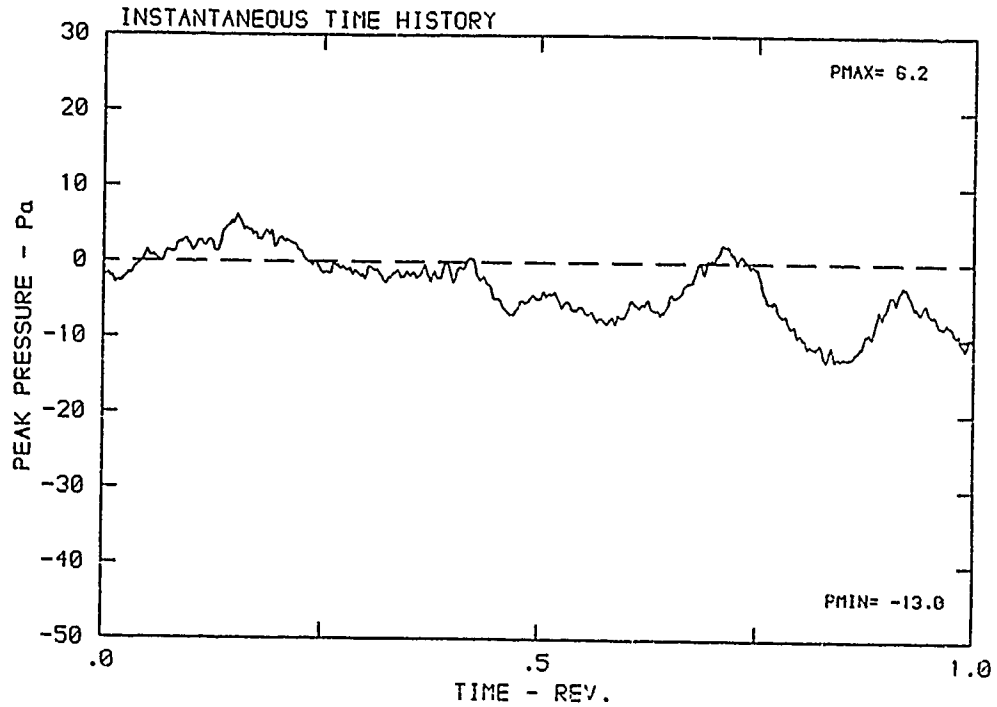
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

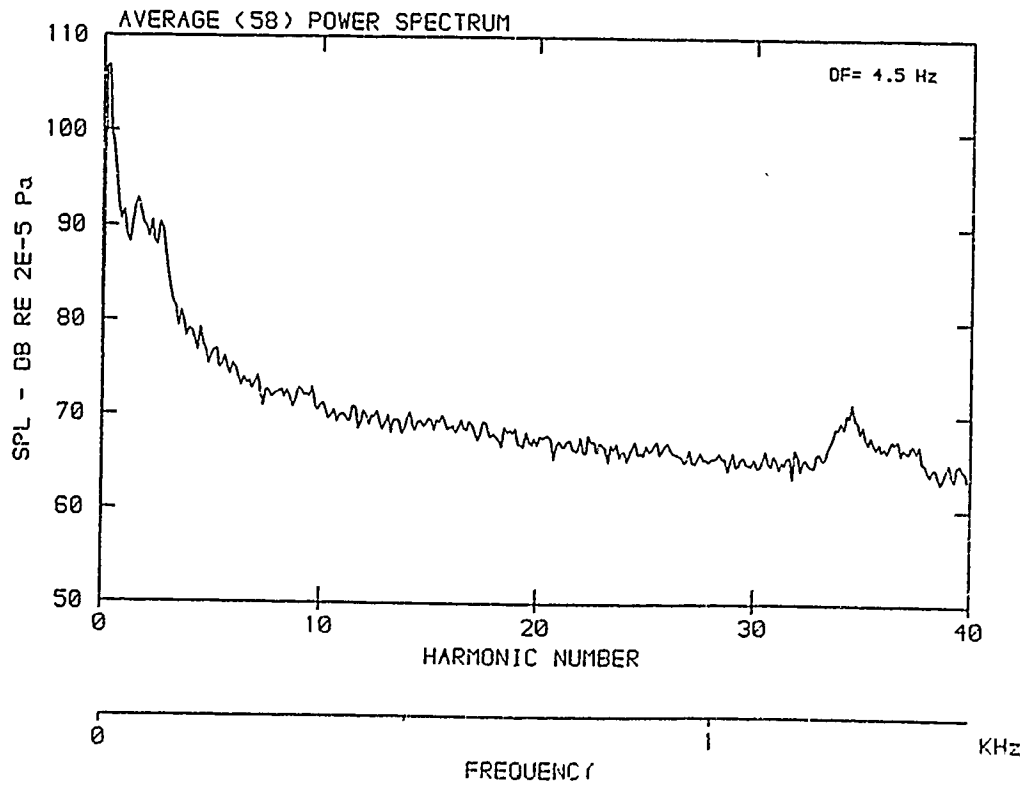




DATA POINT: DN-4 RUN: 96 MP: 6

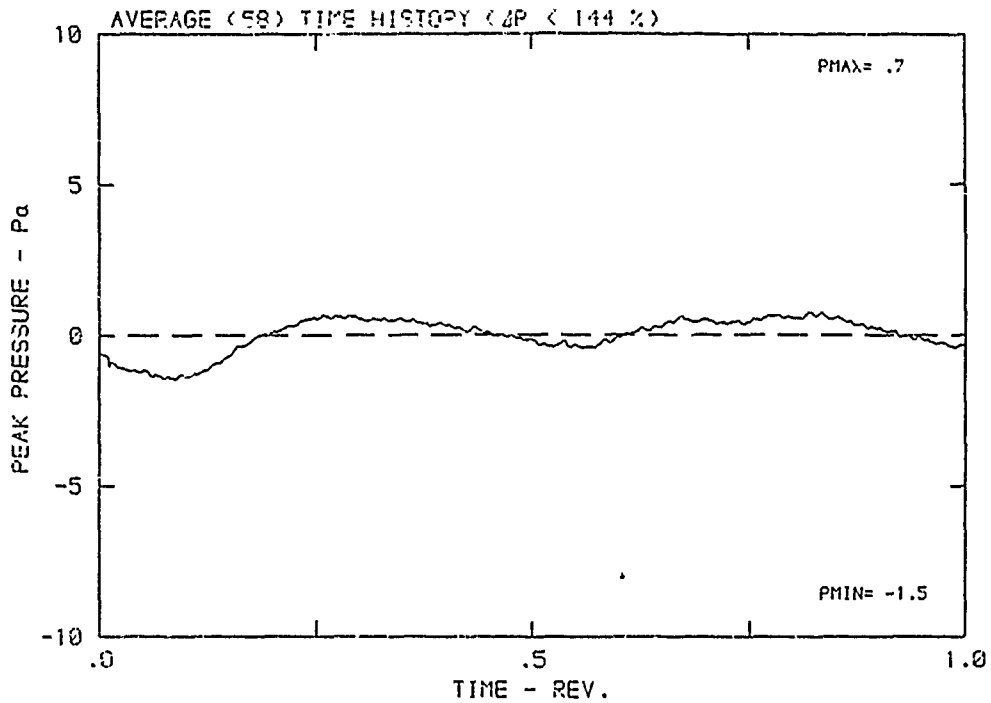
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

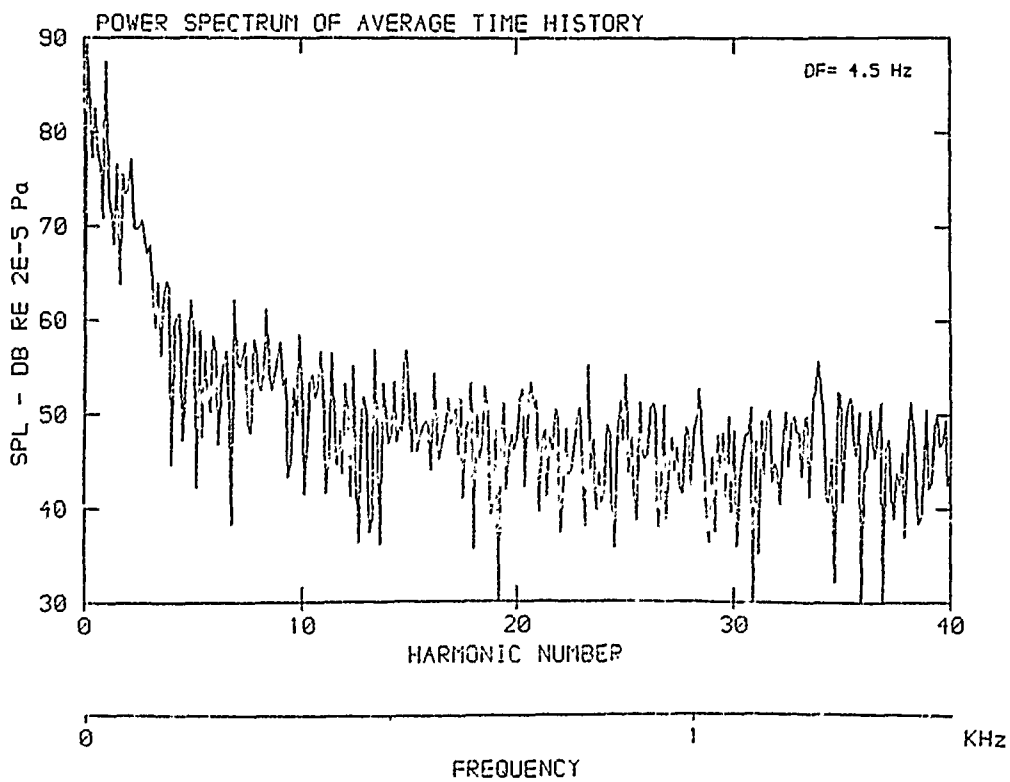




DATA POINT: DN-4	RUN: 96	MP: 6

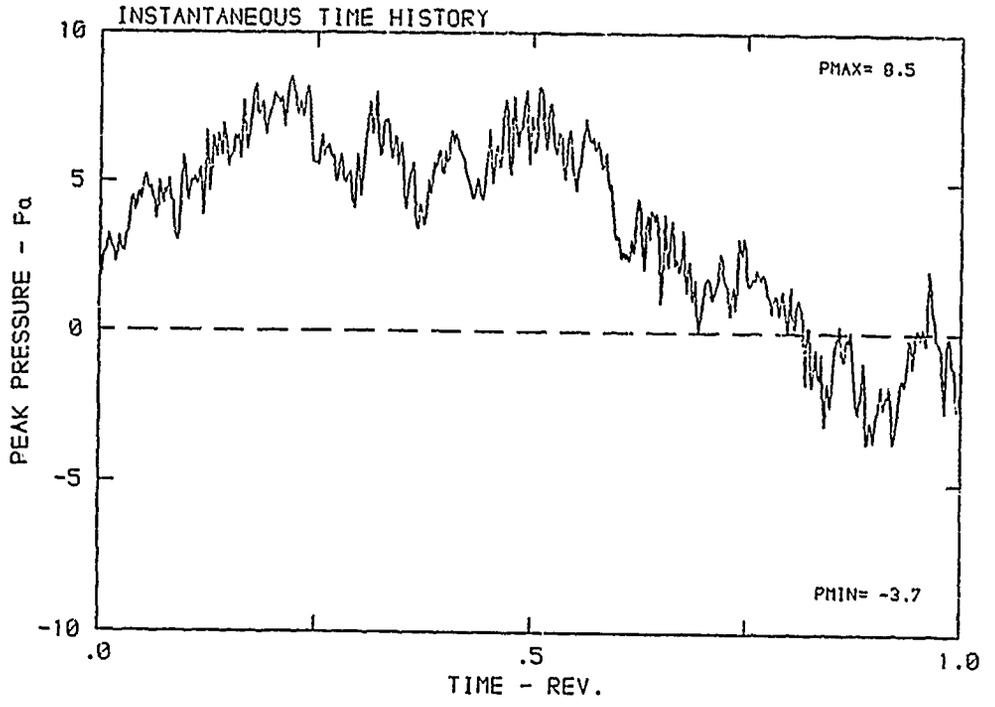
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

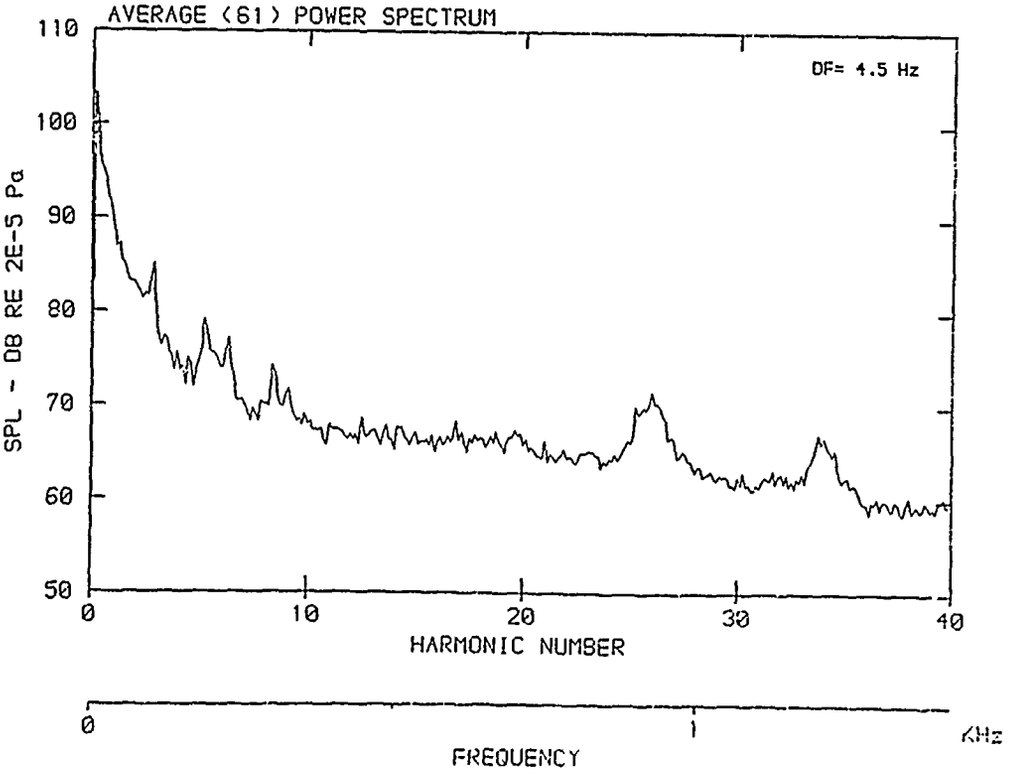




DATA POINT: DN-4 RUN: 96 MP: 7

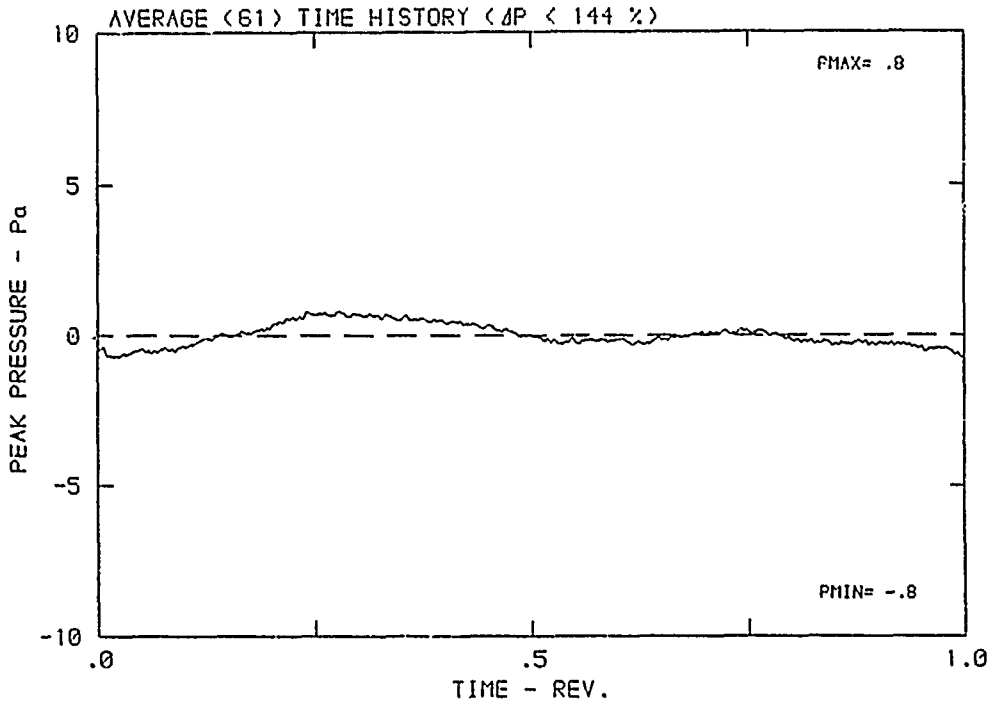
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

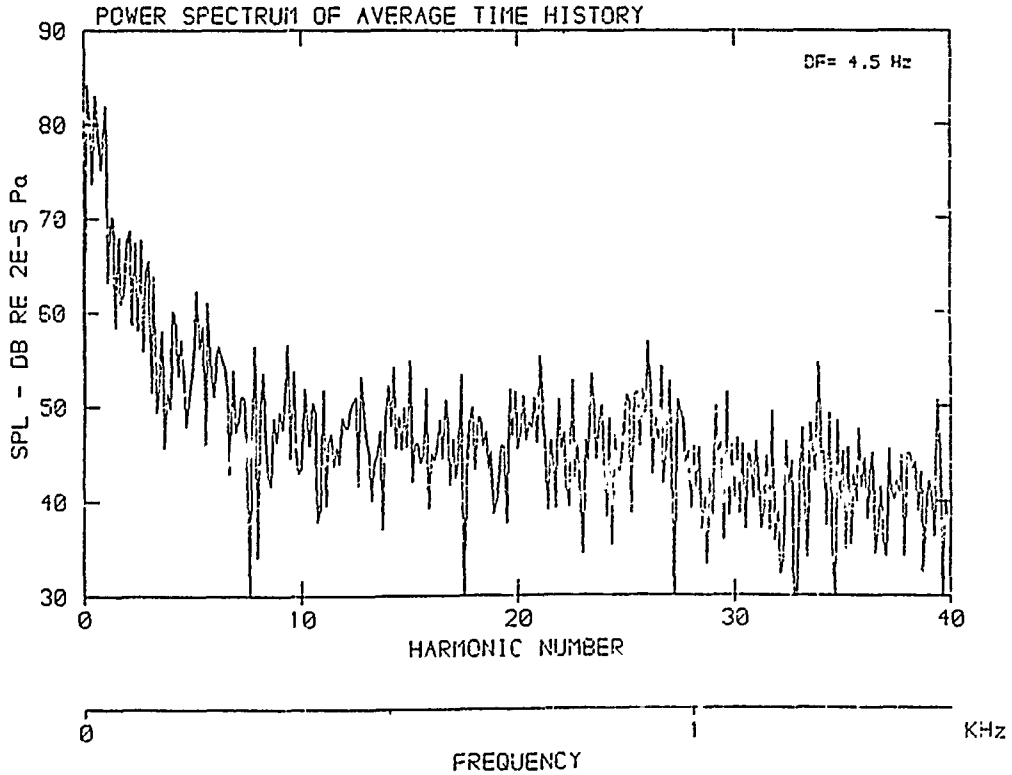




DATA POINT: DN-4 RUN: 96 MP: 7

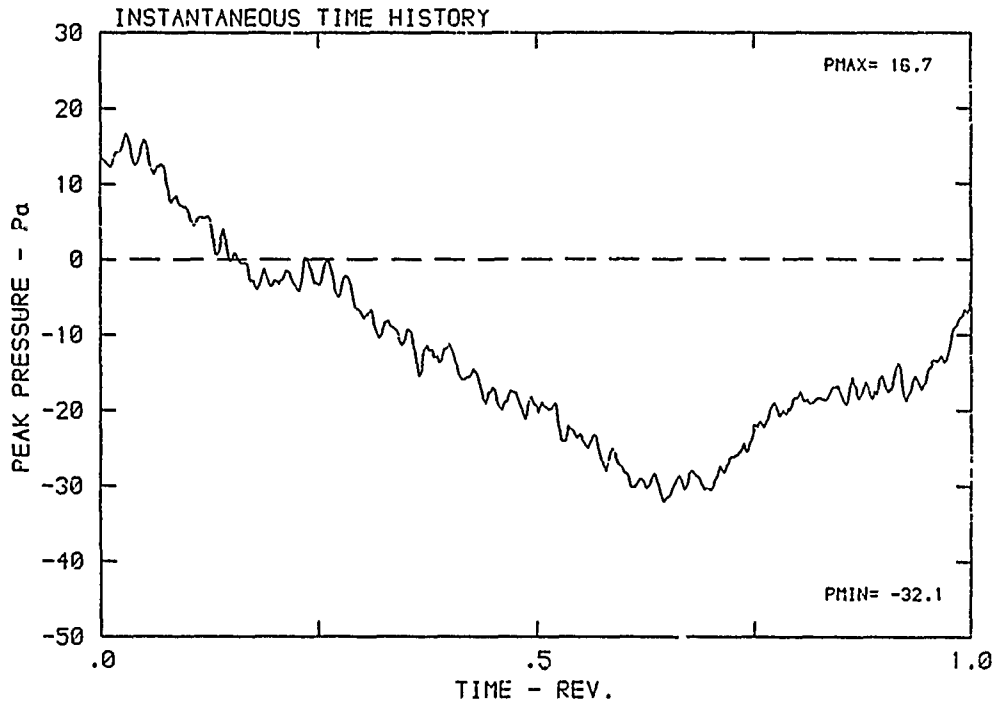
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

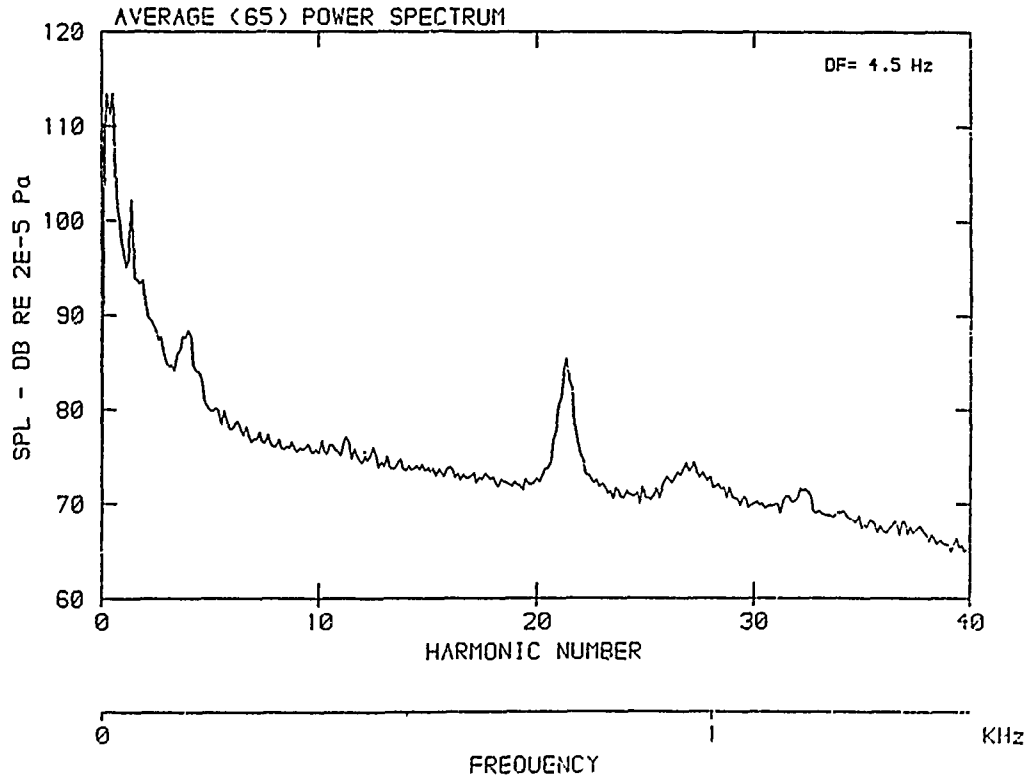




DATA POINT: DN-4 RUN: 96 MP: 9

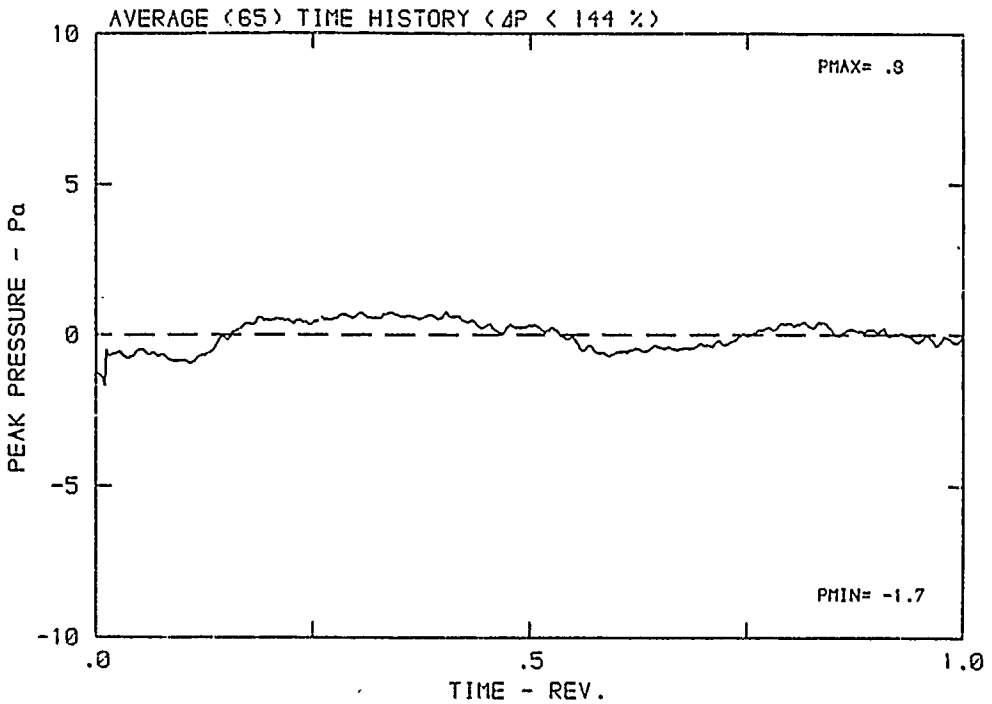
β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K

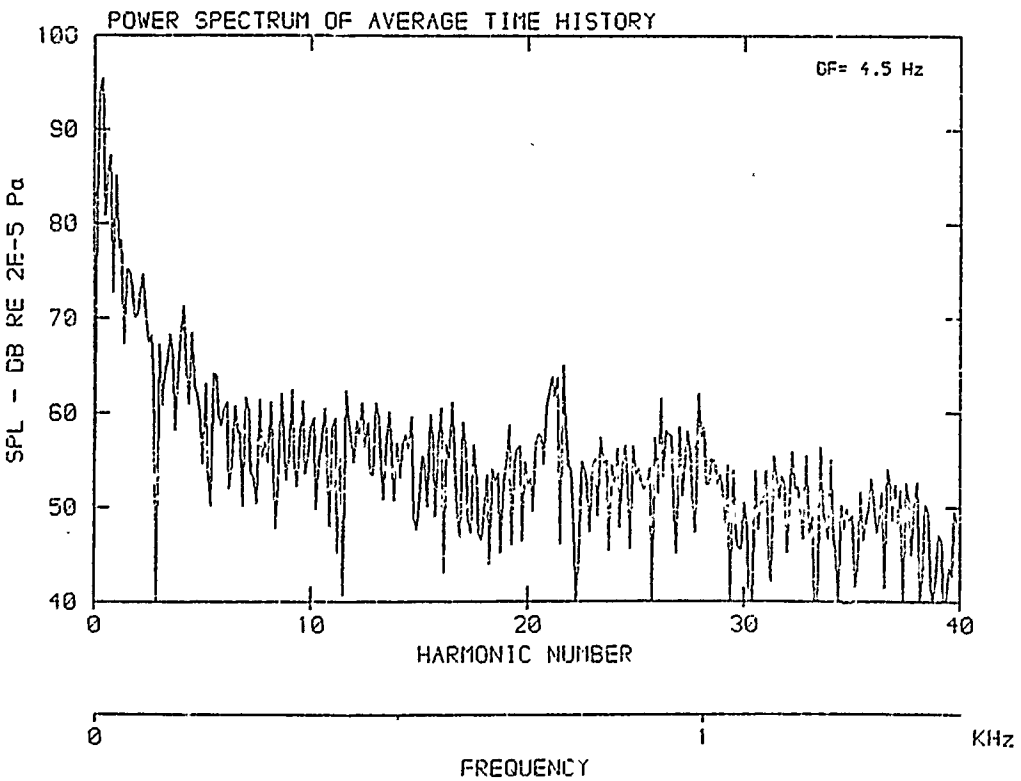




DATA POINT: DN-4	RUN: 96	MP: 9

β: 29.0° MH: .3675 n: 1069 rpm v/u: .451 ϕ: .0° T: 286.8 K





6. Propeller Rotational Harmonic Noise- and Overall Noise Levels

From all spectra of averaged time-histories the harmonic pressure levels are determined under the presupposition of a 10 dB signal-to-noise ratio, and are submitted to the A-weighting function. Both linear and A-weighted harmonic levels as well as the respective overall pressure levels (calculated from the energy sum of harmonic levels) are listed in the following tables.

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	101.3	75.1	80.0	106.5	84.0	90.0	112.9	93.8
2	140.0	93.2	77.1	160.0	103.1	89.7	180.0	107.5	96.6
3	210.0	91.9	81.0	240.0	101.0	92.4	270.0	109.6	101.0
4	280.0	84.5	75.9	320.0	98.3	91.7	360.0	107.5	102.7
5	350.0	81.2	74.6	400.0	96.8	92.0	450.0	105.7	102.5
6	420.0	77.9	73.1	480.0	89.0	85.8	540.0	99.2	96.0
7	490.0	70.7	67.5	560.0	82.8	79.6	630.0	100.9	99.0
8	560.0	64.2	61.0	640.0	82.7	80.8	720.0	101.0	100.2
9	630.0	0.0	0.0	720.0	79.6	78.8	810.0	92.8	92.0
10	700.0	0.0	0.0	800.0	76.1	75.3	900.0	94.6	94.6
11	770.0	0.0	0.0	880.0	71.2	70.4	990.0	94.7	94.7
12	840.0	0.0	0.0	960.0	68.8	68.8	1080.0	83.4	83.4
13	910.0	0.0	0.0	1040.0	65.1	65.1	1170.0	81.7	82.3
14	980.0	0.0	0.0	1120.0	49.8	49.8	1260.0	83.1	83.7
15	1050.0	0.0	0.0	1200.0	0.0	0.0	1350.0	78.5	79.1
16	1120.0	0.0	0.0	1280.0	0.0	0.0	1440.0	73.2	74.2
17	1190.0	0.0	0.0	1360.0	0.0	0.0	1530.0	62.2	63.2
18	1260.0	0.0	0.0	1440.0	0.0	0.0	1620.0	0.0	0.0
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	0.0	0.0
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		102..	84.8		109.6	98.3		116.8	109.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	105.0	78.8	80.0	107.9	85.4	90.0	113.5	94.4
2	140.0	102.2	86.1	160.0	107.9	94.5	180.0	116.4	105.5
3	210.0	97.5	86.6	240.0	104.8	96.2	270.0	110.8	102.2
4	280.0	94.2	85.6	320.0	100.8	94.2	360.0	112.7	107.9
5	350.0	89.2	82.6	400.0	99.1	94.3	450.0	111.1	107.9
6	420.0	83.2	78.4	480.0	100.3	97.1	540.0	111.9	108.7
7	490.0	78.7	75.5	560.0	96.4	93.2	630.0	110.3	108.4
8	560.0	77.0	73.8	640.0	92.9	91.0	720.0	106.3	105.5
9	630.0	0.0	0.0	720.0	88.2	87.4	810.0	106.6	105.8
10	700.0	0.0	0.0	800.0	87.6	86.8	900.0	106.8	106.8
11	770.0	0.0	0.0	880.0	86.4	85.6	990.0	104.0	104.0
12	840.0	0.0	0.0	960.0	81.1	81.1	1080.0	101.2	101.2
13	910.0	0.0	0.0	1040.0	77.8	77.8	1170.0	101.5	102.1
14	980.0	0.0	0.0	1120.0	74.6	74.6	1260.0	99.5	100.1
15	1050.0	0.0	0.0	1200.0	72.3	72.9	1350.0	99.0	99.6
16	1120.0	0.0	0.0	1280.0	70.9	71.5	1440.0	95.8	96.8
17	1190.0	0.0	0.0	1360.0	67.6	68.2	1530.0	94.1	95.1
18	1260.0	0.0	0.0	1440.0	58.2	59.2	1620.0	93.4	94.4
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	90.1	91.1
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	87.3	88.5
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	86.5	87.7
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	86.9	88.1
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	83.4	84.6
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	81.3	82.5
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	80.1	81.4
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	78.7	80.0
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	76.4	77.7
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	74.7	76.0
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	75.0	76.3
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	72.2	73.5
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	71.4	72.7
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	67.8	69.0
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	67.2	68.4
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	66.6	67.8
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	66.2	67.4
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	60.3	61.5
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		107.6	92.1		112.9	103.6		122.0	117.3

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	106.7	80.5	80.0	110.4	87.9	90.0	115.3	96.2
2	140.0	103.5	87.4	160.0	108.2	94.8	180.0	114.1	103.2
3	210.0	98.2	87.3	240.0	106.8	98.2	270.0	113.5	104.9
4	280.0	94.7	86.1	320.0	104.6	98.0	360.0	113.9	109.1
5	350.0	88.2	81.6	400.0	104.3	99.5	450.0	113.4	110.2
6	420.0	88.4	83.6	480.0	100.9	97.7	540.0	110.1	106.9
7	490.0	84.1	80.9	560.0	96.6	93.4	630.0	111.1	109.2
8	560.0	76.8	73.6	640.0	96.7	94.8	720.0	110.3	109.5
9	630.0	0.0	0.0	720.0	94.4	93.6	810.0	109.0	108.2
10	700.0	0.0	0.0	800.0	91.3	90.5	900.0	108.1	108.1
11	770.0	0.0	0.0	880.0	88.0	87.2	990.0	107.5	107.5
12	840.0	0.0	0.0	960.0	86.7	86.7	1080.0	105.8	105.8
13	910.0	0.0	0.0	1040.0	84.1	84.1	1170.0	103.3	103.9
14	980.0	0.0	0.0	1120.0	79.9	79.9	1260.0	105.3	105.9
15	1050.0	0.0	0.0	1200.0	78.2	78.8	1350.0	103.9	104.5
16	1120.0	0.0	0.0	1280.0	78.6	79.2	1440.0	102.3	103.3
17	1190.0	0.0	0.0	1360.0	75.3	75.9	1530.0	101.6	102.6
18	1260.0	0.0	0.0	1440.0	73.1	74.1	1620.0	101.8	102.8
19	1330.0	0.0	0.0	1520.0	71.9	72.9	1710.0	98.9	99.9
20	1400.0	0.0	0.0	1600.0	71.0	72.0	1800.0	95.8	97.0
21	1470.0	0.0	0.0	1680.0	69.1	70.1	1890.0	95.2	96.4
22	1540.0	0.0	0.0	1760.0	65.7	66.7	1980.0	91.6	92.8
23	1610.0	0.0	0.0	1840.0	63.7	64.9	2070.0	84.8	86.0
24	1680.0	0.0	0.0	1920.0	64.9	66.1	2160.0	78.9	80.1
25	1750.0	0.0	0.0	2000.0	64.1	65.3	2250.0	77.7	79.0
26	1820.0	0.0	0.0	2080.0	61.0	62.2	2340.0	82.8	84.1
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	82.9	84.2
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	85.9	87.2
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	86.9	88.2
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	86.6	87.9
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	86.0	87.3
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	85.7	86.9
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	84.0	85.2
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	81.6	82.8
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	77.7	78.9
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	74.8	76.0
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	69.8	71.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		109.0	93.3		114.9	106.2		123.0	119.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	108.3	82.1	80.0	112.9	90.4	90.0	116.9	97.8
2	140.0	104.3	88.2	160.0	108.4	95.0	180.0	114.9	104.0
3	210.0	98.2	87.3	240.0	108.7	100.1	270.0	116.9	108.3
4	280.0	95.7	87.1	320.0	106.1	99.5	360.0	114.9	110.1
5	350.0	92.7	86.1	400.0	102.4	97.6	450.0	114.1	110.9
6	420.0	89.0	84.2	480.0	101.4	98.2	540.0	112.4	109.2
7	490.0	82.1	78.9	560.0	100.3	97.1	630.0	113.6	111.7
8	560.0	80.5	77.3	640.0	98.3	96.4	720.0	111.1	110.3
9	630.0	78.1	76.2	720.0	93.9	93.1	810.0	110.8	110.0
10	700.0	67.8	65.9	800.0	92.8	92.0	900.0	109.9	109.9
11	770.0	68.1	67.3	880.0	90.7	89.9	990.0	108.2	108.2
12	840.0	63.3	62.5	960.0	86.2	86.2	1080.0	107.4	107.4
13	910.0	0.0	0.0	1040.0	85.9	85.9	1170.0	106.9	107.5
14	980.0	0.0	0.0	1120.0	83.3	83.3	1260.0	103.4	104.0
15	1050.0	0.0	0.0	1200.0	79.7	80.3	1350.0	104.4	105.0
16	1120.0	0.0	0.0	1280.0	75.1	75.7	1440.0	102.5	103.5
17	1190.0	0.0	0.0	1360.0	75.4	76.0	1530.0	99.9	100.9
18	1260.0	0.0	0.0	1440.0	72.5	73.5	1620.0	98.7	99.7
19	1330.0	0.0	0.0	1520.0	68.1	69.1	1710.0	98.1	99.1
20	1400.0	0.0	0.0	1600.0	66.8	67.8	1800.0	96.7	97.9
21	1470.0	0.0	0.0	1680.0	64.9	65.9	1890.0	94.0	95.2
22	1540.0	0.0	0.0	1760.0	64.5	65.5	1980.0	92.6	93.8
23	1610.0	0.0	0.0	1840.0	61.1	62.3	2070.0	91.2	92.4
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	89.6	90.8
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	88.2	89.5
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	87.3	88.6
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	86.1	87.4
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	85.2	86.5
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	84.7	86.0
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	82.8	84.1
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	81.4	82.7
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	81.3	82.5
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	79.0	80.2
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	77.3	78.5
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	78.1	79.3
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	75.6	76.8
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	73.7	74.9
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	73.3	74.5
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	71.9	73.1
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	68.8	69.8
OASPL		110.3	94.3		116.4	107.1		124.6	120.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	109.8	83.6	80.0	114.9	92.4	90.0	118.5	99.4
2	140.0	105.3	89.2	160.0	109.3	95.9	180.0	114.4	103.5
3	210.0	96.4	85.5	240.0	106.7	98.1	270.0	116.3	107.7
4	280.0	95.8	87.2	320.0	109.0	102.4	360.0	117.0	112.2
5	350.0	94.8	88.2	400.0	105.1	100.3	450.0	109.7	106.5
6	420.0	84.7	79.9	480.0	98.1	94.9	540.0	112.5	109.3
7	490.0	81.5	78.3	560.0	98.7	95.5	630.0	113.8	111.9
8	560.0	79.2	76.0	640.0	97.9	96.0	720.0	108.9	108.1
9	630.0	75.7	73.8	720.0	93.4	92.6	810.0	109.0	108.2
10	700.0	71.5	69.6	800.0	89.6	88.8	900.0	107.3	107.3
11	770.0	60.9	60.1	880.0	87.5	86.7	990.0	107.5	107.5
12	840.0	0.0	0.0	960.0	87.9	87.9	1080.0	105.0	105.0
13	910.0	0.0	0.0	1040.0	84.5	84.5	1170.0	103.7	104.3
14	980.0	0.0	0.0	1120.0	80.7	80.7	1260.0	103.6	104.2
15	1050.0	0.0	0.0	1200.0	78.1	78.7	1350.0	100.8	101.4
16	1120.0	0.0	0.0	1280.0	76.9	77.5	1440.0	99.2	100.2
17	1190.0	0.0	0.0	1360.0	72.3	72.9	1530.0	98.1	99.1
18	1260.0	0.0	0.0	1440.0	67.6	68.6	1620.0	95.7	96.7
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	93.4	94.4
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	93.5	94.7
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	90.3	91.5
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	89.2	90.4
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	89.8	91.0
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	85.4	86.6
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	84.9	86.2
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	83.7	85.0
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	79.8	81.1
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	81.6	82.9
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	76.1	77.4
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	76.8	78.1
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	77.7	79.0
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	71.4	72.6
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	73.3	74.5
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	74.6	75.8
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	65.0	66.2
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		111.5	94.5		117.6	107.4		124.5	119.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	53.2	27.0	80.0	50.9	28.4	90.0	70.0	50.9
2	140.0	0.0	0.0	160.0	0.0	0.0	180.0	0.0	0.0
3	210.0	0.0	0.0	240.0	0.0	0.0	270.0	0.0	0.0
4	280.0	0.0	0.0	320.0	0.0	0.0	360.0	0.0	0.0
5	350.0	0.0	0.0	400.0	0.0	0.0	450.0	0.0	0.0
6	420.0	0.0	0.0	480.0	0.0	0.0	540.0	0.0	0.0
7	490.0	0.0	0.0	560.0	0.0	0.0	630.0	0.0	0.0
8	560.0	0.0	0.0	640.0	0.0	0.0	720.0	0.0	0.0
9	630.0	0.0	0.0	720.0	0.0	0.0	810.0	0.0	0.0
10	700.0	0.0	0.0	800.0	0.0	0.0	900.0	0.0	0.0
11	770.0	0.0	0.0	880.0	0.0	0.0	990.0	0.0	0.0
12	840.0	0.0	0.0	960.0	0.0	0.0	1080.0	0.0	0.0
13	910.0	0.0	0.0	1040.0	0.0	0.0	1170.0	0.0	0.0
14	980.0	0.0	0.0	1120.0	0.0	0.0	1260.0	0.0	0.0
15	1050.0	0.0	0.0	1200.0	0.0	0.0	1350.0	0.0	0.0
16	1120.0	0.0	0.0	1280.0	0.0	0.0	1440.0	0.0	0.0
17	1190.0	0.0	0.0	1360.0	0.0	0.0	1530.0	0.0	0.0
18	1260.0	0.0	0.0	1440.0	0.0	0.0	1620.0	0.0	0.0
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	0.0	0.0
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		53.2	27.0		50.9	28.4		70.0	50.9

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	107.7	81.5	80.0	113.0	90.5	90.0	118.3	99.2
2	140.0	95.7	79.6	160.0	101.3	87.9	180.0	111.3	100.4
3	210.0	88.4	77.5	240.0	100.4	91.8	270.0	103.4	94.8
4	280.0	80.2	71.6	320.0	93.5	86.9	360.0	103.3	98.5
5	350.0	0.0	0.0	400.0	89.9	85.1	450.0	92.5	89.3
6	420.0	0.0	0.0	480.0	82.1	78.9	540.0	94.5	91.3
7	490.0	0.0	0.0	560.0	0.0	0.0	630.0	92.9	91.0
8	560.0	0.0	0.0	640.0	0.0	0.0	720.0	86.9	86.1
9	630.0	0.0	0.0	720.0	0.0	0.0	810.0	88.2	87.4
10	700.0	0.0	0.0	800.0	0.0	0.0	900.0	76.3	76.3
11	770.0	0.0	0.0	880.0	0.0	0.0	990.0	0.0	0.0
12	840.0	0.0	0.0	960.0	0.0	0.0	1080.0	0.0	0.0
13	910.0	0.0	0.0	1040.0	0.0	0.0	1170.0	0.0	0.0
14	980.0	0.0	0.0	1120.0	0.0	0.0	1260.0	0.0	0.0
15	1050.0	0.0	0.0	1200.0	0.0	0.0	1350.0	0.0	0.0
16	1120.0	0.0	0.0	1280.0	0.0	0.0	1440.0	0.0	0.0
17	1190.0	0.0	0.0	1360.0	0.0	0.0	1530.0	0.0	0.0
18	1260.0	0.0	0.0	1440.0	0.0	0.0	1620.0	0.0	0.0
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	0.0	0.0
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		108.0	84.8		113.6	96.2		119.3	105.3

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-1 / 63			AN-2 / 64			AN-3 / 65		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	105.4	79.2	80.0	110.6	88.1	90.0	115.1	96.0
2	140.0	103.7	87.6	160.0	106.1	92.7	180.0	111.3	100.4
3	210.0	94.6	83.7	240.0	105.7	97.1	270.0	117.0	108.4
4	280.0	97.6	89.0	320.0	106.7	100.1	360.0	114.7	109.9
5	350.0	93.6	87.0	400.0	100.7	95.9	450.0	111.7	108.5
6	420.0	80.6	75.8	480.0	100.0	96.8	540.0	113.4	110.2
7	490.0	80.2	77.0	560.0	99.6	96.4	630.0	111.2	109.3
8	560.0	79.1	75.9	640.0	95.2	93.3	720.0	109.0	108.2
9	630.0	77.7	75.8	720.0	91.6	90.8	810.0	111.0	110.2
10	700.0	65.8	63.9	800.0	92.6	91.8	900.0	106.9	106.9
11	770.0	0.0	0.0	880.0	88.9	88.1	990.0	105.9	105.9
12	840.0	0.0	0.0	960.0	84.0	84.0	1080.0	106.6	106.6
13	910.0	0.0	0.0	1040.0	85.4	85.4	1170.0	105.7	106.3
14	980.0	0.0	0.0	1120.0	81.1	81.1	1260.0	100.4	101.0
15	1050.0	0.0	0.0	1200.0	80.4	81.0	1350.0	102.8	103.4
16	1120.0	0.0	0.0	1280.0	70.5	71.1	1440.0	101.4	102.4
17	1190.0	0.0	0.0	1360.0	73.4	74.0	1530.0	97.3	98.3
18	1260.0	0.0	0.0	1440.0	72.4	73.4	1620.0	97.6	98.6
19	1330.0	0.0	0.0	1520.0	66.5	67.5	1710.0	95.6	96.6
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	93.6	94.8
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	93.9	95.1
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	90.3	91.5
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	89.8	91.0
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	90.8	92.0
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	82.8	84.1
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	85.2	86.5
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	84.8	86.1
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	80.2	81.5
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	81.6	82.9
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	80.8	82.1
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	79.0	80.3
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	80.6	81.8
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	77.4	78.6
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	75.7	76.9
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	74.4	75.6
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	74.1	75.3
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	67.3	68.5
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	71.1	72.3
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	71.9	73.1
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	68.6	69.6
OASPL		108.4	93.7		114.4	105.7		123.4	119.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	102.2	79.7	80.0	106.3	83.8	90.0	111.9	92.8
2	146.0	97.9	84 5	160.0	101.2	87.8	180.0	108.2	97.3
3	219.0	94.8	83.9	240.0	100.4	91.8	270.0	109.0	100.4
4	292.0	89.9	83.3	320.0	97.6	91.0	360.0	106.5	101.7
5	365.0	86.3	81.5	400.0	94.2	89.4	450.0	104.6	101.4
6	438.0	78.6	73.8	480.0	89.3	86.1	540.0	100.0	96.8
7	511.0	74.9	71.7	560.0	83.1	79.9	630.0	101.2	99.3
8	584.0	65.2	63.3	640.0	80.6	78.7	720.0	99.9	99.1
9	657.0	0.0	0.0	720.0	81.0	80.2	810.0	94.0	93.2
10	730.0	0.0	0.0	800.0	72.7	71.9	900.0	94.4	94.4
11	803.0	0.0	0.0	880.0	71.4	70.6	990.0	91.6	91.6
12	876.0	0.0	0.0	960.0	68.2	68.2	1080.0	85.4	85.4
13	949.0	0.0	0.0	1040.0	67.1	67.1	1170.0	85.3	85.9
14	1022.0	0.0	0.0	1120.0	54.2	54.2	1260.0	82.1	82.7
15	1095.0	0.0	0.0	1200.0	0.0	0.0	1350.0	78.1	78.7
16	1168.0	0.0	0.0	1280.0	0.0	0.0	1440.0	76.4	77.4
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	80.5	81.5
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	72.5	73.5
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	64.6	65.6
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		104.4	90.1		108.8	97.2		116.2	108.8

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	104.1	81.6	80.0	106.3	83.8	90.0	112.3	93.2
2	146.0	100.4	87.0	160.0	105.8	92.4	180.0	112.9	102.0
3	219.0	97.5	86.6	240.0	103.5	94.9	270.0	111.5	102.9
4	292.0	96.3	89.7	320.0	101.6	95.0	360.0	112.6	107.8
5	365.0	91.1	86.3	400.0	100.5	95.7	450.0	111.7	108.5
6	438.0	0.0	0.0	480.0	99.2	96.0	540.0	111.9	108.7
7	511.0	0.0	0.0	560.0	96.4	93.2	630.0	109.6	107.7
8	584.0	0.0	0.0	640.0	92.6	90.7	720.0	106.2	105.4
9	657.0	0.0	0.0	720.0	88.4	87.6	810.0	106.7	105.9
10	730.0	0.0	0.0	800.0	88.2	87.4	900.0	106.7	106.7
11	803.0	0.0	0.0	880.0	85.2	84.4	990.0	103.6	103.6
12	876.0	0.0	0.0	960.0	81.5	81.5	1080.0	101.1	101.1
13	949.0	0.0	0.0	1040.0	78.1	78.1	1170.0	101.3	101.9
14	1022.0	0.0	0.0	1120.0	76.3	76.3	1260.0	99.2	99.8
15	1095.0	0.0	0.0	1200.0	73.8	74.4	1350.0	98.6	99.2
16	1168.0	0.0	0.0	1280.0	64.4	65.0	1440.0	95.2	96.2
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	93.2	94.2
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	92.6	93.6
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	89.9	90.9
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	87.6	88.8
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	84.6	85.8
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	86.7	87.9
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	82.6	83.8
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	79.9	81.1
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	78.9	80.2
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	77.7	79.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	76.4	77.7
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	73.5	74.8
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	74.9	76.2
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	72.4	73.7
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	69.6	70.9
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	65.8	67.0
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		106.8	93.9		111.6	103.2		121.1	117.0

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	102.9	80.4	80.0	106.9	84.4	90.0	114.2	95.1
2	146.0	102.5	89.1	160.0	105.8	92.4	180.0	113.1	102.2
3	219.0	98.5	87.6	240.0	105.7	97.1	270.0	112.8	104.2
4	292.0	95.7	89.1	320.0	103.1	96.5	360.0	113.3	108.5
5	365.0	95.3	90.5	400.0	103.3	98.5	450.0	112.8	109.6
6	438.0	91.9	87.1	480.0	100.6	97.4	540.0	109.6	106.4
7	511.0	87.7	84.5	560.0	96.4	93.2	630.0	110.9	109.0
8	584.0	83.5	81.6	640.0	96.2	94.3	720.0	110.4	109.6
9	657.0	81.5	79.6	720.0	94.7	93.9	810.0	108.8	108.0
10	730.0	78.6	77.8	800.0	91.4	90.6	900.0	107.9	107.9
11	803.0	74.3	73.5	880.0	88.0	87.2	990.0	107.8	107.8
12	876.0	69.4	68.6	960.0	86.6	86.6	1080.0	106.1	106.1
13	949.0	0.0	0.0	1040.0	83.0	83.0	1170.0	103.4	104.0
14	1022.0	0.0	0.0	1120.0	79.8	79.8	1260.0	105.4	106.0
15	1095.0	0.0	0.0	1200.0	77.3	77.9	1350.0	103.7	104.3
16	1168.0	0.0	0.0	1280.0	77.5	78.1	1440.0	101.6	102.6
17	1241.0	0.0	0.0	1360.0	71.5	72.1	1530.0	100.6	101.6
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	100.6	101.6
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	97.0	98.0
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	93.1	94.3
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	91.9	93.1
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	88.4	89.6
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	81.4	82.6
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	77.6	78.8
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	84.7	86.0
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	85.7	87.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	85.8	87.1
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	87.3	88.6
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	87.0	88.3
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	86.2	87.5
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	84.9	86.2
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	83.9	85.1
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	81.1	82.3
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	77.1	78.3
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	73.3	74.5
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	70.7	71.9
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	67.5	68.7
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	73.8	75.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	74.7	75.9
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	74.0	75.0
OASPL		107.3	96.6		112.8	105.3		122.4	119.1

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	103.6	81.1	80.0	107.7	85.2	90.0	115.2	96.1
2	146.0	102.5	89.1	160.0	104.9	91.5	180.0	113.3	102.4
3	219.0	99.0	88.1	240.0	105.9	97.3	270.0	115.4	106.8
4	292.0	97.0	90.4	320.0	103.2	96.6	360.0	113.8	109.0
5	365.0	95.5	90.7	400.0	101.1	96.3	450.0	113.4	110.2
6	438.0	90.2	85.4	480.0	100.2	97.0	540.0	111.4	108.2
7	511.0	87.2	84.0	560.0	98.9	95.7	630.0	113.2	111.3
8	584.0	86.2	84.3	640.0	96.7	94.8	720.0	110.2	109.4
9	657.0	81.5	79.6	720.0	93.4	92.6	810.0	110.0	109.2
10	730.0	74.9	74.1	800.0	91.7	90.9	900.0	109.6	109.6
11	803.0	0.0	0.0	880.0	89.6	88.8	990.0	107.5	107.5
12	876.0	0.0	0.0	960.0	86.1	86.1	1080.0	106.7	106.7
13	949.0	0.0	0.0	1040.0	84.9	84.9	1170.0	106.5	107.1
14	1022.0	0.0	0.0	1120.0	83.1	83.1	1260.0	102.8	103.4
15	1095.0	0.0	0.0	1200.0	78.2	78.8	1350.0	103.5	104.1
16	1168.0	0.0	0.0	1280.0	75.4	76.0	1440.0	102.2	103.2
17	1241.0	0.0	0.0	1360.0	73.8	74.4	1530.0	99.4	100.4
18	1314.0	0.0	0.0	1440.0	71.6	72.6	1620.0	97.8	98.8
19	1387.0	0.0	0.0	1520.0	68.2	69.2	1710.0	97.3	98.3
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	96.0	97.2
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	93.0	94.2
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	92.0	93.2
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	90.8	92.0
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	88.4	89.6
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	87.4	88.7
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	86.7	88.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	85.7	87.0
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	84.5	85.8
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	83.7	85.0
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700 0	82.0	83.3
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	81.0	82.3
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	79.7	80.9
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	77.7	78.9
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	76.0	77.2
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	76.5	77.7
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	74.0	75.2
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	71.7	72.9
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	71.9	73.1
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	71.0	72.2
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	69.9	70.9
OASPL		107.7	96.8		112.8	105.1		123.5	119.9

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	104.1	81.6	80.0	108.6	86.1	90.0	116.9	97.8
2	146.0	101.9	88.5	160.0	104.6	91.2	180.0	111.5	100.6
3	219.0	95.1	84.2	240.0	103.1	94.5	270.0	114.6	106.0
4	292.0	95.5	88.9	320.0	106.1	99.5	360.0	116.4	111.6
5	365.0	96.1	91.3	400.0	101.5	96.7	450.0	108.8	105.6
6	438.0	87.3	82.5	480.0	95.0	91.8	540.0	111.5	108.3
7	511.0	84.4	81.2	560.0	96.9	93.7	630.0	112.8	110.9
8	584.0	80.4	78.5	640.0	95.8	93.9	720.0	108.0	107.2
9	657.0	0.0	0.0	720.0	90.2	89.4	810.0	107.8	107.0
10	730.0	0.0	0.0	800.0	88.7	87.9	900.0	106.8	106.8
11	803.0	0.0	0.0	880.0	85.8	85.0	990.0	106.8	106.8
12	876.0	0.0	0.0	960.0	83.4	83.4	1080.0	104.0	104.0
13	949.0	0.0	0.0	1040.0	82.7	82.7	1170.0	103.3	103.9
14	1022.0	0.0	0.0	1120.0	78.9	78.9	1260.0	103.0	103.6
15	1095.0	0.0	0.0	1200.0	74.8	75.4	1350.0	100.0	100.6
16	1168.0	0.0	0.0	1280.0	0.0	0.0	1440.0	98.6	99.6
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	97.7	98.7
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	95.2	96.2
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	93.4	94.4
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	93.4	94.6
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	90.3	91.5
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	89.2	90.4
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	89.2	90.4
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	86.0	87.2
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	84.4	85.7
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	83.7	85.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	80.4	81.7
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	80.9	82.2
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	75.1	76.4
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	77.1	78.4
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	76.7	78.0
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	70.2	71.4
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	71.7	72.9
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	73.1	74.3
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	63.8	65.0
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	69.7	70.9
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	69.3	70.5
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	59.8	61.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		107.3	95.6		112.8	104.3		123.2	118.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	50.2	27.7	80.0	52.7	30.2	90.0	73.6	54.5
2	146.0	0.0	0.0	160.0	0.0	0.0	180.0	0.0	0.0
3	219.0	0.0	0.0	240.0	0.0	0.0	270.0	0.0	0.0
4	292.0	0.0	0.0	320.0	0.0	0.0	360.0	0.0	0.0
5	365.0	0.0	0.0	400.0	0.0	0.0	450.0	0.0	0.0
6	438.0	0.0	0.0	480.0	0.0	0.0	540.0	0.0	0.0
7	511.0	0.0	0.0	560.0	0.0	0.0	630.0	0.0	0.0
8	584.0	0.0	0.0	640.0	0.0	0.0	720.0	0.0	0.0
9	657.0	0.0	0.0	720.0	0.0	0.0	810.0	0.0	0.0
10	730.0	0.0	0.0	800.0	0.0	0.0	900.0	0.0	0.0
11	803.0	0.0	0.0	880.0	0.0	0.0	990.0	0.0	0.0
12	876.0	0.0	0.0	960.0	0.0	0.0	1080.0	0.0	0.0
13	949.0	0.0	0.0	1040.0	0.0	0.0	1170.0	0.0	0.0
14	1022.0	0.0	0.0	1120.0	0.0	0.0	1260.0	0.0	0.0
15	1095.0	0.0	0.0	1200.0	0.0	0.0	1350.0	0.0	0.0
16	1168.0	0.0	0.0	1280.0	0.0	0.0	1440.0	0.0	0.0
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	0.0	0.0
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	0.0	0.0
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	0.0	0.0
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		50.2	27.7		52.7	30.2		73.6	54.5

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	104.2	81.7	80.0	109.9	87.4	90.0	116.1	97.0
2	146.0	0.0	0.0	160.0	0.0	0.0	180.0	0.0	0.0
3	219.0	0.0	0.0	240.0	0.0	0.0	270.0	0.0	0.0
4	292.0	0.0	0.0	320.0	0.0	0.0	360.0	0.0	0.0
5	365.0	0.0	0.0	400.0	0.0	0.0	450.0	0.0	0.0
6	438.0	0.0	0.0	480.0	0.0	0.0	540.0	0.0	0.0
7	511.0	0.0	0.0	560.0	0.0	0.0	630.0	0.0	0.0
8	584.0	0.0	0.0	640.0	0.0	0.0	720.0	0.0	0.0
9	657.0	0.0	0.0	720.0	0.0	0.0	810.0	0.0	0.0
10	730.0	0.0	0.0	800.0	0.0	0.0	900.0	0.0	0.0
11	803.0	0.0	0.0	880.0	0.0	0.0	990.0	0.0	0.0
12	876.0	0.0	0.0	960.0	0.0	0.0	1080.0	0.0	0.0
13	949.0	0.0	0.0	1040.0	0.0	0.0	1170.0	0.0	0.0
14	1022.0	0.0	0.0	1120.0	0.0	0.0	1260.0	0.0	0.0
15	1095.0	0.0	0.0	1200.0	0.0	0.0	1350.0	0.0	0.0
16	1168.0	0.0	0.0	1280.0	0.0	0.0	1440.0	0.0	0.0
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	0.0	0.0
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	0.0	0.0
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	0.0	0.0
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	0.0	0.0
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	0.0	0.0
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	0.0	0.0
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	0.0	0.0
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	0.0	0.0
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	0.0	0.0
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	0.0	0.0
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	0.0	0.0
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	0.0	0.0
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	0.0	0.0
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	0.0	0.0
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	0.0	0.0
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	0.0	0.0
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	0.0	0.0
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	0.0	0.0
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	0.0	0.0
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	0.0	0.0
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	0.0	0.0
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		104.2	81.7		109.9	87.4		116.1	97.0

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 20.8 DEG)

	DATA-POINT / RUN								
	AN-7 / 68			AN-4 / 67			AN-5 / 66		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	73.0	102.0	79.5	80.0	107.2	84.7	90.0	113.6	94.5
2	146.0	98.2	84.8	160.0	103.4	90.0	180.0	109.9	99.0
3	219.0	92.8	81.9	240.0	103.6	95.0	270.0	115.9	107.3
4	292.0	97.6	91.0	320.0	104.9	98.3	360.0	113.5	108.7
5	365.0	93.6	88.8	400.0	99.0	94.2	450.0	110.5	107.3
6	438.0	87.1	82.3	480.0	98.3	95.1	540.0	112.7	109.5
7	511.0	87.4	84.2	560.0	97.9	94.7	630.0	109.6	107.7
8	584.0	84.0	82.1	640.0	93.7	91.8	720.0	108.9	108.1
9	657.0	78.5	76.6	720.0	92.1	91.3	810.0	110.2	109.4
10	730.0	75.9	75.1	800.0	91.4	90.6	900.0	105.8	105.8
11	803.0	0.0	0.0	880.0	87.2	86.4	990.0	105.7	105.7
12	876.0	0.0	0.0	960.0	84.0	84.0	1080.0	106.3	106.3
13	949.0	0.0	0.0	1040.0	84.1	84.1	1170.0	104.5	105.1
14	1022.0	0.0	0.0	1120.0	81.3	81.3	1260.0	100.3	100.9
15	1095.0	0.0	0.0	1200.0	73.2	73.8	1350.0	102.1	102.7
16	1168.0	0.0	0.0	1280.0	0.0	0.0	1440.0	100.7	101.7
17	1241.0	0.0	0.0	1360.0	0.0	0.0	1530.0	97.3	98.3
18	1314.0	0.0	0.0	1440.0	0.0	0.0	1620.0	97.4	98.4
19	1387.0	0.0	0.0	1520.0	0.0	0.0	1710.0	95.2	96.2
20	1460.0	0.0	0.0	1600.0	0.0	0.0	1800.0	93.5	94.7
21	1533.0	0.0	0.0	1680.0	0.0	0.0	1890.0	93.4	94.6
22	1606.0	0.0	0.0	1760.0	0.0	0.0	1980.0	89.2	90.4
23	1679.0	0.0	0.0	1840.0	0.0	0.0	2070.0	89.7	90.9
24	1752.0	0.0	0.0	1920.0	0.0	0.0	2160.0	90.4	91.6
25	1825.0	0.0	0.0	2000.0	0.0	0.0	2250.0	81.3	82.6
26	1898.0	0.0	0.0	2080.0	0.0	0.0	2340.0	85.9	87.2
27	1971.0	0.0	0.0	2160.0	0.0	0.0	2430.0	84.3	85.6
28	2044.0	0.0	0.0	2240.0	0.0	0.0	2520.0	80.2	81.5
29	2117.0	0.0	0.0	2320.0	0.0	0.0	2610.0	82.1	83.4
30	2190.0	0.0	0.0	2400.0	0.0	0.0	2700.0	79.7	81.0
31	2263.0	0.0	0.0	2480.0	0.0	0.0	2790.0	78.9	80.2
32	2336.0	0.0	0.0	2560.0	0.0	0.0	2880.0	79.9	81.1
33	2409.0	0.0	0.0	2640.0	0.0	0.0	2970.0	76.5	77.7
34	2482.0	0.0	0.0	2720.0	0.0	0.0	3060.0	75.5	76.7
35	2555.0	0.0	0.0	2800.0	0.0	0.0	3150.0	74.7	75.9
36	2628.0	0.0	0.0	2880.0	0.0	0.0	3240.0	75.4	76.6
37	2701.0	0.0	0.0	2960.0	0.0	0.0	3330.0	70.2	71.4
38	2774.0	0.0	0.0	3040.0	0.0	0.0	3420.0	0.0	0.0
39	2847.0	0.0	0.0	3120.0	0.0	0.0	3510.0	0.0	0.0
40	2920.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0
OASPL		105.3	95.1		111.9	104.0		122.4	118.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	99.1	72.9	70.0	103.1	76.9	80.0	107.3	84.8
2	120.0	89.0	72.9	140.0	95.0	78.9	160.0	104.2	90.8
3	180.0	76.3	65.4	210.0	92.1	81.2	240.0	100.3	91.7
4	240.0	76.4	67.8	280.0	87.5	78.9	320.0	96.7	90.1
5	300.0	67.2	60.6	350.0	81.7	75.1	400.0	96.0	91.2
6	360.0	59.0	54.2	420.0	75.3	70.5	480.0	87.1	83.9
7	420.0	52.8	48.0	490.0	65.5	62.3	560.0	82.9	79.7
8	480.0	54.3	51.1	560.0	64.6	61.4	640.0	80.0	78.1
9	540.0	50.8	47.6	630.0	44.6	42.7	720.0	77.4	76.6
10	600.0	0.0	0.0	700.0	0.0	0.0	800.0	78.0	77.2
11	660.0	0.0	0.0	770.0	0.0	0.0	880.0	66.1	65.3
12	720.0	0.0	0.0	840.0	0.0	0.0	960.0	67.4	67.4
13	780.0	0.0	0.0	910.0	0.0	0.0	1040.0	60.1	60.1
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	47.5	47.5
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		99.6	77.0		104.1	85.8		110.0	97.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	100.4	74.2	70.0	105.3	79.1	80.0	107.5	85.0
2	120.0	95.8	79.7	140.0	103.1	87.0	160.0	108.9	95.5
3	180.0	89.8	78.9	210.0	98.4	87.5	240.0	105.5	96.9
4	240.0	80.8	72.2	280.0	93.2	84.6	320.0	101.9	95.3
5	300.0	75.6	69.0	350.0	88.7	82.1	400.0	99.3	94.5
6	360.0	68.0	63.2	420.0	83.8	79.0	480.0	100.0	96.8
7	420.0	61.5	56.7	490.0	81.1	77.9	560.0	97.1	93.9
8	480.0	59.3	56.1	560.0	76.1	72.9	640.0	92.9	91.0
9	540.0	50.0	46.8	630.0	67.9	66.0	720.0	87.9	87.1
10	600.0	0.0	0.0	700.0	65.2	63.3	800.0	87.3	86.5
11	660.0	0.0	0.0	770.0	58.9	58.1	880.0	85.4	84.6
12	720.0	0.0	0.0	840.0	0.0	0.0	960.0	81.0	81.0
13	780.0	0.0	0.0	910.0	0.0	0.0	1040.0	77.0	77.0
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	73.7	73.7
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	71.8	72.4
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	69.6	70.2
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	64.5	65.1
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	58.6	59.6
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		102.0	83.5		108.1	92.5		113.3	104.0

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	102.4	76.2	70.0	107.2	81.0	80.0	110.6	88.1
2	120.0	96.9	80.8	140.0	104.8	88.7	160.0	109.6	96.2
3	180.0	90.1	79.2	210.0	98.0	87.1	240.0	107.9	99.3
4	240.0	83.3	74.7	280.0	94.6	86.0	320.0	104.6	98.0
5	300.0	72.8	66.2	350.0	90.5	83.9	400.0	104.6	99.8
6	360.0	74.0	69.2	420.0	89.0	84.2	480.0	102.1	98.9
7	420.0	66.5	61.7	490.0	82.3	79.1	560.0	96.9	93.7
8	480.0	53.2	50.0	560.0	76.5	73.3	640.0	97.3	95.4
9	540.0	0.0	0.0	630.0	75.0	73.1	720.0	94.6	93.8
10	600.0	0.0	0.0	700.0	69.7	67.8	800.0	91.4	90.6
11	660.0	0.0	0.0	770.0	64.5	63.7	880.0	88.1	87.3
12	720.0	0.0	0.0	840.0	62.1	61.3	960.0	86.8	86.8
13	780.0	0.0	0.0	910.0	55.2	55.2	1040.0	83.3	83.3
14	840.0	0.0	0.0	980.0	51.8	51.8	1120.0	79.5	79.5
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	76.1	76.7
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	76.1	76.7
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	70.6	71.2
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	64.9	65.9
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	65.0	66.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	63.7	64.7
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	61.2	62.2
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	58.7	59.7
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	56.5	57.7
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		103.7	84.6		109.7	93.8		115.5	106.8

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	103.9	77.7	70.0	108.9	82.7	80.0	113.7	91.2
2	120.0	97.9	81.8	140.0	105.6	89.5	160.0	109.7	96.3
3	180.0	91.0	80.1	210.0	99.3	88.4	240.0	109.5	100.9
4	240.0	84.7	76.1	280.0	97.8	89.2	320.0	106.8	100.2
5	300.0	78.1	71.5	350.0	91.4	84.8	400.0	103.4	98.6
6	360.0	71.7	66.9	420.0	88.2	83.4	480.0	101.9	98.7
7	420.0	68.7	63.9	490.0	84.4	81.2	560.0	100.1	96.9
8	480.0	59.8	56.6	560.0	79.6	76.4	640.0	98.2	96.3
9	540.0	41.3	38.1	630.0	75.4	73.5	720.0	94.2	93.4
10	600.0	0.0	0.0	700.0	70.6	68.7	800.0	92.9	92.1
11	660.0	0.0	0.0	770.0	65.5	64.7	880.0	90.5	89.7
12	720.0	0.0	0.0	840.0	61.3	60.5	960.0	85.2	85.2
13	780.0	0.0	0.0	910.0	58.0	58.0	1040.0	84.5	84.5
14	840.0	0.0	0.0	980.0	56.7	56.7	1120.0	82.3	82.3
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	78.5	79.1
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	74.4	75.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	74.3	74.9
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	70.7	71.7
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	66.1	67.1
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	62.9	63.9
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	60.7	61.7
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	59.8	60.8
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	54.8	56.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		105.1	85.7		111.2	95.2		117.2	107.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.1	78.9	70.0	110.8	84.6	80.0	116.5	94.0
2	120.0	99.0	82.9	140.0	106.4	90.3	160.0	110.9	97.5
3	180.0	91.1	80.2	210.0	97.8	86.9	240.0	108.3	99.7
4	240.0	81.5	72.9	280.0	97.0	88.4	320.0	110.9	104.3
5	300.0	82.0	75.4	350.0	95.7	89.1	400.0	106.3	101.5
6	360.0	74.3	69.5	420.0	87.6	82.8	480.0	98.4	95.2
7	420.0	59.3	54.5	490.0	80.5	77.3	560.0	99.9	96.7
8	480.0	59.0	55.8	560.0	80.5	77.3	640.0	98.4	96.5
9	540.0	55.9	52.7	630.0	76.2	74.3	720.0	94.3	93.5
10	600.0	49.7	47.8	700.0	70.2	68.3	800.0	90.2	89.4
11	660.0	0.0	0.0	770.0	64.3	63.5	880.0	87.4	86.6
12	720.0	0.0	0.0	840.0	59.5	58.7	960.0	86.9	86.9
13	780.0	0.0	0.0	910.0	57.3	57.3	1040.0	83.9	83.9
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	78.9	78.9
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	77.2	77.8
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	77.0	77.6
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	72.2	72.8
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	69.5	70.5
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	67.9	68.9
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	64.9	65.9
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	61.0	62.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	62.3	63.3
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	58.8	60.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		106.2	86.5		112.6	95.7		119.2	108.8

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	59.1	32.9	70.0	55.3	29.1	80.0	64.9	42.4
2	120.0	50.9	34.8	140.0	0.0	0.0	160.0	54.6	41.2
3	180.0	50.8	39.9	210.0	0.0	0.0	240.0	57.8	49.2
4	240.0	44.9	36.3	280.0	0.0	0.0	320.0	0.0	0.0
5	300.0	53.9	47.3	350.0	0.0	0.0	400.0	0.0	0.0
6	360.0	41.6	36.8	420.0	0.0	0.0	480.0	0.0	0.0
7	420.0	36.7	31.9	490.0	0.0	0.0	560.0	0.0	0.0
8	480.0	0.0	0.0	560.0	0.0	0.0	640.0	0.0	0.0
9	540.0	0.0	0.0	630.0	0.0	0.0	720.0	0.0	0.0
10	600.0	0.0	0.0	700.0	0.0	0.0	800.0	0.0	0.0
11	660.0	0.0	0.0	770.0	0.0	0.0	880.0	0.0	0.0
12	720.0	0.0	0.0	840.0	0.0	0.0	960.0	0.0	0.0
13	780.0	0.0	0.0	910.0	0.0	0.0	1040.0	0.0	0.0
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	0.0	0.0
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		61.3	49.0		55.3	29.1		66.0	50.5

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.1	78.9	70.0	111.3	85.1	80.0	116.6	94.1
2	120.0	93.1	77.0	140.0	100.2	84.1	160.0	107.4	94.0
3	180.0	83.9	73.0	210.0	93.1	82.2	240.0	104.1	95.5
4	240.0	73.8	65.2	280.0	75.0	66.4	320.0	94.4	87.8
5	300.0	63.7	57.1	350.0	76.4	69.8	400.0	88.9	84.1
6	360.0	61.4	56.6	420.0	65.4	60.6	480.0	79.4	76.2
7	420.0	0.0	0.0	490.0	67.0	63.8	560.0	81.7	78.5
8	480.0	0.0	0.0	560.0	62.2	59.0	640.0	73.5	71.6
9	540.0	0.0	0.0	630.0	0.0	0.0	720.0	71.6	70.8
10	600.0	0.0	0.0	700.0	0.0	0.0	800.0	70.8	70.0
11	660.0	0.0	0.0	770.0	0.0	0.0	880.0	70.4	69.6
12	720.0	0.0	0.0	840.0	0.0	0.0	960.0	45.4	45.4
13	780.0	0.0	0.0	910.0	0.0	0.0	1040.0	0.0	0.0
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	0.0	0.0
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		105.4	81.8		111.7	88.8		117.3	99.9

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-1 / 58			BN-2 / 57			BN-3 / 56		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.4	79.2	70.0	108.7	82.5	80.0	113.5	91.0
2	120.0	97.4	81.3	140.0	106.0	89.9	160.0	107.9	94.5
3	180.0	89.6	78.7	210.0	95.5	84.6	240.0	106.6	98.0
4	240.0	77.8	69.2	280.0	98.5	89.9	320.0	107.7	101.1
5	300.0	79.9	73.3	350.0	93.4	86.8	400.0	102.8	98.0
6	360.0	75.2	70.4	420.0	84.6	79.8	480.0	100.0	96.8
7	420.0	66.1	61.3	490.0	81.5	78.3	560.0	100.3	97.1
8	480.0	51.5	48.3	560.0	80.7	77.5	640.0	95.2	93.3
9	540.0	0.0	0.0	630.0	74.7	72.8	720.0	91.7	90.9
10	600.0	0.0	0.0	700.0	68.5	66.6	800.0	91.8	91.0
11	660.0	0.0	0.0	770.0	0.0	0.0	880.0	88.5	87.7
12	720.0	0.0	0.0	840.0	0.0	0.0	960.0	82.6	82.6
13	780.0	0.0	0.0	910.0	0.0	0.0	1040.0	84.2	84.2
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	78.7	78.7
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	79.0	79.6
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	71.7	72.3
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	69.8	70.4
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	70.0	71.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	63.9	64.9
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	63.2	64.2
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		106.1	85.3		111.0	95.0		116.4	106.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	83.3	53.1	70.0	101.1	74.9	80.0	104.5	82.0
2	97.6	74.6	55.5	140.0	92.3	76.2	160.0	102.9	89.5
3	146.4	0.0	0.0	210.0	91.9	81.0	240.0	99.2	90.6
4	195.2	0.0	0.0	280.0	86.4	77.8	320.0	96.2	89.6
5	244.0	0.0	0.0	350.0	83.4	76.8	400.0	95.4	90.6
6	292.8	0.0	0.0	420.0	77.3	72.5	480.0	87.4	84.2
7	341.6	0.0	0.0	490.0	66.7	63.5	560.0	82.8	79.6
8	390.4	0.0	0.0	560.0	0.0	0.0	640.0	80.2	78.3
9	439.2	0.0	0.0	630.0	0.0	0.0	720.0	78.5	77.7
10	488.0	0.0	0.0	700.0	0.0	0.0	800.0	77.1	76.3
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	66.6	65.8
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	58.2	58.2
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	0.0	0.0
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	0.0	0.0
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		83.8	57.5		102.3	85.1		108.1	96.8

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	112.3	93.2	93.3	112.8	93.7			
2	180.0	107.9	97.0	186.6	120.8	109.9			
3	270.0	112.2	103.6	279.9	113.2	104.6			
4	360.0	112.9	108.1	373.2	115.1	110.3			
5	450.0	112.0	108.8	466.5	116.0	112.8			
6	540.0	112.1	108.9	559.8	113.7	110.5			
7	630.0	109.6	107.7	653.1	113.9	112.0			
8	720.0	106.9	106.1	746.4	111.0	110.2			
9	810.0	106.9	106.1	839.7	113.1	112.3			
10	900.0	107.2	107.2	933.0	111.8	111.8			
11	990.0	104.2	104.2	1026.3	109.4	109.4			
12	1080.0	101.4	101.4	1119.6	107.9	107.9			
13	1170.0	101.7	102.3	1212.9	107.7	108.3			
14	1260.0	100.1	100.7	1306.2	107.7	108.3			
15	1350.0	98.8	99.4	1399.5	103.9	104.5			
16	1440.0	96.1	97.1	1492.8	104.4	105.4			
17	1530.0	94.1	95.1	1586.1	103.3	104.3			
18	1620.0	93.5	94.5	1679.4	100.3	101.3			
19	1710.0	90.6	91.6	1772.7	99.4	100.4			
20	1800.0	87.1	88.3	1866.0	96.7	97.9			
21	1890.0	86.4	87.6	1959.3	98.8	100.0			
22	1980.0	87.9	89.1	2052.6	96.0	97.2			
23	2070.0	84.1	85.3	2145.9	93.9	95.1			
24	2160.0	81.0	82.2	2239.2	92.8	94.1			
25	2250.0	80.8	82.1	2332.5	92.6	93.9			
26	2340.0	80.5	81.8	2425.8	92.3	93.6			
27	2430.0	75.9	77.2	2519.1	88.8	90.1			
28	2520.0	74.2	75.5	2612.4	91.2	92.5			
29	2610.0	77.4	78.7	2705.7	90.5	91.8			
30	2700.0	75.4	76.7	2799.0	87.6	88.9			
31	2790.0	70.3	71.6	2892.3	85.1	86.3			
32	2880.0	0.0	0.0	2985.6	86.8	88.0			
33	2970.0	0.0	0.0	3078.9	87.8	89.0			
34	3060.0	0.0	0.0	3172.2	83.5	84.7			
35	3150.0	0.0	0.0	3265.5	81.5	82.7			
36	3240.0	0.0	0.0	3358.8	83.4	84.6			
37	3330.0	0.0	0.0	3452.1	81.9	83.1			
38	3420.0	0.0	0.0	3545.4	78.3	79.5			
39	3510.0	0.0	0.0	3638.7	77.5	78.5			
40	3600.0	0.0	0.0	3732.0	80.3	81.3			
OASPL		120.9	117.3		125.7	121.9			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	113.5	94.4	93.3	114.7	95.6			
2	180.0	112.2	101.3	186.6	113.1	102.2			
3	270.0	112.5	103.9	279.9	114.8	106.2			
4	360.0	113.3	108.5	373.2	117.4	112.6			
5	450.0	112.9	109.7	466.5	117.1	113.9			
6	540.0	110.5	107.3	559.8	114.2	111.0			
7	630.0	111.7	109.8	653.1	115.9	114.0			
8	720.0	111.1	110.3	746.4	116.4	115.6			
9	810.0	110.0	109.2	839.7	114.6	113.8			
10	900.0	109.2	109.2	933.0	114.0	114.0			
11	990.0	108.1	108.1	1026.3	113.3	113.3			
12	1080.0	105.8	105.8	1119.6	110.8	110.8			
13	1170.0	103.6	104.2	1212.9	111.4	112.0			
14	1260.0	104.7	105.3	1306.2	111.0	111.6			
15	1350.0	102.2	102.8	1399.5	108.0	108.6			
16	1440.0	100.2	101.2	1492.8	107.1	108.1			
17	1530.0	99.1	100.1	1586.1	107.5	108.5			
18	1620.0	99.6	100.6	1679.4	106.8	107.8			
19	1710.0	96.8	97.8	1772.7	102.8	103.8			
20	1800.0	93.1	94.3	1866.0	103.1	104.3			
21	1890.0	94.0	95.2	1959.3	103.5	104.7			
22	1980.0	92.8	94.0	2052.6	101.9	103.1			
23	2070.0	89.7	90.9	2145.9	99.6	100.8			
24	2160.0	88.7	89.9	2239.2	100.5	101.8			
25	2250.0	88.9	90.2	2332.5	98.5	99.8			
26	2340.0	85.3	86.6	2425.8	96.8	98.1			
27	2430.0	84.1	85.4	2519.1	97.1	98.4			
28	2520.0	83.8	85.1	2612.4	97.1	98.4			
29	2610.0	82.9	84.2	2705.7	95.2	96.5			
30	2700.0	80.3	81.6	2799.0	94.6	95.9			
31	2790.0	78.8	80.1	2892.3	95.3	96.5			
32	2880.0	80.6	81.8	2985.6	94.7	95.9			
33	2970.0	77.1	78.3	3078.9	93.0	94.2			
34	3060.0	78.0	79.2	3172.2	91.0	92.2			
35	3150.0	74.5	75.7	3265.5	91.7	92.9			
36	3240.0	73.1	74.3	3358.8	92.1	93.3			
37	3330.0	75.0	76.2	3452.1	90.2	91.4			
38	3420.0	72.5	73.7	3545.4	87.6	88.8			
39	3510.0	66.5	67.7	3638.7	88.7	89.7			
40	3600.0	0.0	0.0	3732.0	88.9	89.9			
OASPL		122.5	119.4		126.5	124.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	89.0	58.8	70.0	104.8	78.6	80.0	107.7	85.2
2	97.6	79.4	60.3	140.0	100.9	84.8	160.0	108.1	94.7
3	146.4	72.9	59.5	210.0	97.1	86.2	240.0	105.2	96.6
4	195.2	0.0	0.0	280.0	92.1	83.5	320.0	101.2	94.6
5	244.0	0.0	0.0	350.0	85.2	78.6	400.0	98.9	94.1
6	292.8	0.0	0.0	420.0	82.1	77.3	480.0	99.1	95.9
7	341.6	0.0	0.0	490.0	78.2	75.0	560.0	95.8	92.6
8	390.4	0.0	0.0	560.0	73.3	70.1	640.0	91.8	89.9
9	439.2	0.0	0.0	630.0	65.1	63.2	720.0	87.7	86.9
10	488.0	0.0	0.0	700.0	60.5	58.6	800.0	86.9	86.1
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	84.8	84.0
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	80.2	80.2
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	75.8	75.8
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	74.8	74.8
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	71.0	71.6
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	68.4	69.0
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	61.8	62.4
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	60.2	61.2
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	53.0	54.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		89.5	64.4		107.0	90.8		112.8	103.3

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	87.7	57.5	70.0	106.4	80.2	80.0	111.0	88.5
2	97.6	80.6	61.5	140.0	102.8	86.7	160.0	108.4	95.0
3	146.4	73.6	60.2	210.0	97.1	86.2	240.0	106.9	98.3
4	195.2	65.6	54.7	280.0	92.4	83.8	320.0	104.0	97.4
5	244.0	0.0	0.0	350.0	89.7	83.1	400.0	103.8	99.0
6	292.8	0.0	0.0	420.0	88.1	83.3	480.0	101.4	98.2
7	341.6	0.0	0.0	490.0	83.0	79.8	560.0	96.4	93.2
8	390.4	0.0	0.0	560.0	77.7	74.5	640.0	96.3	94.4
9	439.2	0.0	0.0	630.0	76.2	74.3	720.0	93.9	93.1
10	488.0	0.0	0.0	700.0	71.1	69.2	800.0	90.7	89.9
11	536.8	0.0	0.0	770.0	67.6	66.8	880.0	87.3	86.5
12	585.6	0.0	0.0	840.0	53.5	52.7	960.0	85.9	85.9
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	82.6	82.6
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	78.7	78.7
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	76.1	76.7
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	74.9	75.5
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	69.6	70.2
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	65.0	66.0
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	64.0	65.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	62.7	63.7
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	60.9	61.9
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	59.1	60.1
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		88.6	65.2		108.5	92.6		115.0	106.0

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	88.6	58.4	70.0	107.8	81.6	80.0	113.8	91.3
2	97.6	79.4	60.3	140.0	103.7	87.6	160.0	108.3	94.9
3	146.4	73.8	60.4	210.0	96.9	86.0	240.0	108.3	99.7
4	195.2	62.0	51.1	280.0	96.1	87.5	320.0	105.1	98.5
5	244.0	0.0	0.0	350.0	92.2	85.6	400.0	102.2	97.4
6	292.8	0.0	0.0	420.0	87.8	83.0	480.0	100.7	97.5
7	341.6	0.0	0.0	490.0	82.7	79.5	560.0	98.7	95.5
8	390.4	0.0	0.0	560.0	77.7	74.5	640.0	97.3	95.4
9	439.2	0.0	0.0	630.0	74.4	72.5	720.0	93.3	92.5
10	488.0	0.0	0.0	700.0	70.2	68.3	800.0	91.5	90.7
11	536.8	0.0	0.0	770.0	67.9	67.1	880.0	89.4	88.6
12	585.6	0.0	0.0	840.0	66.1	65.3	960.0	84.8	84.8
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	83.6	83.6
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	81.8	81.8
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	77.4	78.0
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	73.6	74.2
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	72.3	72.9
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	69.8	70.8
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	65.0	66.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	59.7	60.7
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	61.0	62.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	56.2	57.2
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	56.7	57.9
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	48.5	49.7
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		89.2	64.8		109.8	93.8		116.6	106.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	89.3	59.1	70.0	109.1	82.9	80.0	116.0	93.5
2	97.6	74.0	54.9	140.0	104.7	88.6	160.0	109.7	96.3
3	146.4	0.0	0.0	210.0	95.8	84.9	240.0	107.0	98.4
4	195.2	0.0	0.0	280.0	95.7	87.1	320.0	109.7	103.1
5	244.0	0.0	0.0	350.0	92.1	85.5	400.0	105.0	100.2
6	292.8	0.0	0.0	420.0	84.3	79.5	480.0	97.6	94.4
7	341.6	0.0	0.0	490.0	77.2	74.0	560.0	98.8	95.6
8	390.4	0.0	0.0	560.0	79.7	76.5	640.0	97.0	95.1
9	439.2	0.0	0.0	630.0	76.4	74.5	720.0	93.1	92.3
10	488.0	0.0	0.0	700.0	65.3	63.4	800.0	89.0	88.2
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	87.1	86.3
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	85.4	85.4
13	.634.4	0.0	0.0	910.0	0.0	0.0	1040.0	82.9	82.9
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	77.7	77.7
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	75.5	76.1
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	74.6	75.2
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	69.7	70.3
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	66.1	67.1
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	64.6	65.6
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	61.6	62.6
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		89.4	60.5		110.8	93.6		118.4	107.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	42.4	12.2	70.0	49.5	23.3	80.0	45.8	23.3
2	97.6	18.4	-0.7	140.0	0.0	0.0	160.0	0.0	0.0
3	146.4	0.0	0.0	210.0	0.0	0.0	240.0	0.0	0.0
4	195.2	0.0	0.0	280.0	0.0	0.0	320.0	0.0	0.0
5	244.0	0.0	0.0	350.0	0.0	0.0	400.0	0.0	0.0
6	292.8	0.0	0.0	420.0	0.0	0.0	480.0	0.0	0.0
7	341.6	0.0	0.0	490.0	0.0	0.0	560.0	0.0	0.0
8	390.4	0.0	0.0	560.0	0.0	0.0	640.0	0.0	0.0
9	439.2	0.0	0.0	630.0	0.0	0.0	720.0	0.0	0.0
10	488.0	0.0	0.0	700.0	0.0	0.0	800.0	0.0	0.0
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	0.0	0.0
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	0.0	0.0
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	0.0	0.0
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	0.0	0.0
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		42.4	12.4		49.5	23.3		45.8	23.3

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	78.6	48.4	70.0	108.6	82.4	80.0	114.2	91.7
2	97.6	0.0	0.0	140.0	97.7	81.6	160.0	104.8	91.4
3	146.4	0.0	0.0	210.0	89.6	78.7	240.0	103.1	94.5
4	195.2	0.0	0.0	280.0	75.9	67.3	320.0	92.7	86.1
5	244.0	0.0	0.0	350.0	0.0	0.0	400.0	88.3	83.5
6	292.8	0.0	0.0	420.0	0.0	0.0	480.0	83.1	79.9
7	341.6	0.0	0.0	490.0	0.0	0.0	560.0	77.8	74.6
8	390.4	0.0	0.0	560.0	0.0	0.0	640.0	70.5	68.6
9	439.2	0.0	0.0	630.0	0.0	0.0	720.0	74.0	73.2
10	488.0	0.0	0.0	700.0	0.0	0.0	800.0	72.5	71.7
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	67.0	66.2
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	0.0	0.0
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	0.0	0.0
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	0.0	0.0
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	0.0	0.0
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	0.0	0.0
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		78.6	48.4		109.0	86.0		115.0	98.1

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-7 / 55			BN-4 / 54			BN-5 / 53		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	48.8	97.5	67.3	70.0	105.7	79.5	80.0	112.9	90.4
2	97.6	80.1	61.0	140.0	102.8	86.7	160.0	107.9	94.5
3	146.4	68.6	55.2	210.0	93.4	82.5	240.0	105.7	97.1
4	195.2	0.0	0.0	280.0	96.2	87.6	320.0	106.5	99.9
5	244.0	0.0	0.0	350.0	93.0	86.4	400.0	101.5	96.7
6	292.8	0.0	0.0	420.0	80.8	76.0	480.0	99.0	95.8
7	341.6	0.0	0.0	490.0	76.7	73.5	560.0	99.2	96.0
8	390.4	0.0	0.0	560.0	79.9	76.7	640.0	94.3	92.4
9	439.2	0.0	0.0	630.0	69.0	67.1	720.0	91.2	90.4
10	488.0	0.0	0.0	700.0	0.0	0.0	800.0	90.5	89.7
11	536.8	0.0	0.0	770.0	0.0	0.0	880.0	86.4	85.6
12	585.6	0.0	0.0	840.0	0.0	0.0	960.0	83.1	83.1
13	634.4	0.0	0.0	910.0	0.0	0.0	1040.0	83.2	83.2
14	683.2	0.0	0.0	980.0	0.0	0.0	1120.0	78.2	78.2
15	732.0	0.0	0.0	1050.0	0.0	0.0	1200.0	77.0	77.6
16	780.8	0.0	0.0	1120.0	0.0	0.0	1280.0	70.4	71.0
17	829.6	0.0	0.0	1190.0	0.0	0.0	1360.0	68.4	69.0
18	878.4	0.0	0.0	1260.0	0.0	0.0	1440.0	67.6	68.6
19	927.2	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	976.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1024.8	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1073.6	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1122.4	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1171.2	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1220.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1268.8	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1317.6	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1366.4	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1415.2	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1464.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1512.8	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1561.6	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1610.4	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	1659.2	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	1708.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	1756.8	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	1805.6	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	1854.4	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	1903.2	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	1952.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		97.6	68.4		108.1	92.7		115.7	105.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	111.1	92.0	93.3	110.7	91.6			
2	180.0	107.9	97.0	186.6	111.2	100.3			
3	270.0	108.6	100.0	279.9	109.2	100.6			
4	360.0	106.7	101.9	373.2	110.4	105.6			
5	450.0	104.2	101.0	466.5	107.4	104.2			
6	540.0	99.7	96.5	559.8	103.4	100.2			
7	630.0	100.8	98.9	653.1	104.1	102.2			
8	720.0	100.6	99.8	746.4	104.0	103.2			
9	810.0	95.6	94.8	839.7	100.1	99.3			
10	900.0	95.3	95.3	933.0	99.6	99.6			
11	990.0	92.9	92.9	1026.3	97.0	97.0			
12	1080.0	84.7	84.7	1119.6	95.4	95.4			
13	1170.0	84.8	85.4	1212.9	91.0	91.6			
14	1260.0	82.4	83.0	1306.2	91.0	91.6			
15	1350.0	77.6	78.2	1399.5	88.3	88.9			
16	1440.0	77.5	78.5	1492.8	87.7	88.7			
17	1530.0	78.5	79.5	1586.1	84.5	85.5			
18	1620.0	74.5	75.5	1679.4	83.6	84.6			
19	1710.0	68.1	69.1	1772.7	82.2	83.2			
20	1800.0	0.0	0.0	1866.0	73.5	74.7			
21	1890.0	0.0	0.0	1959.3	76.9	78.1			
22	1980.0	0.0	0.0	2052.6	76.9	78.1			
23	2070.0	0.0	0.0	2145.9	63.8	65.0			
24	2160.0	0.0	0.0	2239.2	0.0	0.0			
25	2250.0	0.0	0.0	2332.5	0.0	0.0			
26	2340.0	0.0	0.0	2425.8	0.0	0.0			
27	2430.0	0.0	0.0	2519.1	0.0	0.0			
28	2520.0	0.0	0.0	2612.4	0.0	0.0			
29	2610.0	0.0	0.0	2705.7	0.0	0.0			
30	2700.0	0.0	0.0	2799.0	0.0	0.0			
31	2790.0	0.0	0.0	2892.3	0.0	0.0			
32	2880.0	0.0	0.0	2985.6	0.0	0.0			
33	2970.0	0.0	0.0	3078.9	0.0	0.0			
34	3060.0	0.0	0.0	3172.2	0.0	0.0			
35	3150.0	0.0	0.0	3265.5	0.0	0.0			
36	3240.0	0.0	0.0	3358.8	0.0	0.0			
37	3330.0	0.0	0.0	3452.1	0.0	0.0			
38	3420.0	0.0	0.0	3545.4	0.0	0.0			
39	3510.0	0.0	0.0	3638.7	0.0	0.0			
40	3600.0	0.0	0.0	3732.0	0.0	0.0			
OASPL		115.8	108.8		117.8	112.2			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	114.3	95.2	93.3	116.1	97.0			
2	180.0	112.2	101.3	186.6	114.7	103.8			
3	270.0	114.6	106.0	279.9	118.2	109.6			
4	360.0	113.0	108.2	373.2	116.5	111.7			
5	450.0	112.6	109.4	466.5	117.1	113.9			
6	540.0	111.5	108.3	559.8	116.0	112.8			
7	630.0	112.4	110.5	653.1	115.9	114.0			
8	720.0	110.1	109.3	746.4	114.3	113.5			
9	810.0	109.5	108.7	839.7	114.3	113.5			
10	900.0	109.2	109.2	933.0	114.2	114.2			
11	990.0	107.5	107.5	1026.3	113.0	113.0			
12	1080.0	106.8	106.8	1119.6	113.6	113.6			
13	1170.0	106.2	106.8	1212.9	110.1	110.7			
14	1260.0	102.7	103.3	1306.2	110.1	110.7			
15	1350.0	103.4	104.0	1399.5	109.9	110.5			
16	1440.0	102.0	103.0	1492.8	108.4	109.4			
17	1530.0	99.1	100.1	1586.1	106.8	107.8			
18	1620.0	98.0	99.0	1679.4	105.9	106.9			
19	1710.0	97.9	98.9	1772.7	106.1	107.1			
20	1800.0	96.4	97.6	1866.0	103.4	104.6			
21	1890.0	92.9	94.1	1959.3	102.0	103.2			
22	1980.0	92.3	93.5	2052.6	101.6	102.8			
23	2070.0	90.9	92.1	2145.9	99.9	101.1			
24	2160.0	88.9	90.1	2239.2	98.6	99.9			
25	2250.0	88.4	89.7	2332.5	98.3	99.6			
26	2340.0	86.1	87.4	2425.8	97.6	98.9			
27	2430.0	85.8	87.1	2519.1	97.4	98.7			
28	2520.0	84.7	86.0	2612.4	97.6	98.9			
29	2610.0	84.3	85.6	2705.7	95.9	97.2			
30	2700.0	82.4	83.7	2799.0	95.5	96.8			
31	2790.0	80.4	81.7	2892.3	95.2	96.4			
32	2880.0	81.2	82.4	2985.6	93.2	94.4			
33	2970.0	77.1	78.3	3078.9	92.3	93.5			
34	3060.0	77.6	78.8	3172.2	93.3	94.5			
35	3150.0	76.8	78.0	3265.5	91.5	92.7			
36	3240.0	75.9	77.1	3358.8	90.5	91.7			
37	3330.0	72.1	73.3	3452.1	90.5	91.7			
38	3420.0	72.5	73.7	3545.4	89.8	91.0			
39	3510.0	72.8	74.0	3638.7	89.0	90.0			
40	3600.0	70.3	71.3	3732.0	86.6	87.6			
OASPL		122.9	119.5		127.0	124.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: HP 5 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	115.6	96.5	93.3	117.7	98.6			
2	180.0	110.4	99.5	186.6	112.2	101.3			
3	270.0	114.0	105.4	279.9	116.8	108.2			
4	360.0	115.5	110.7	373.2	118.9	114.1			
5	450.0	108.3	105.1	466.5	111.9	108.7			
6	540.0	110.8	107.6	559.8	116.1	112.9			
7	630.0	112.4	110.5	653.1	115.9	114.0			
8	720.0	107.7	106.9	746.4	111.6	110.8			
9	810.0	108.2	107.4	839.7	112.6	111.8			
10	900.0	106.2	106.2	933.0	112.1	112.1			
11	990.0	106.8	106.8	1026.3	112.3	112.3			
12	1080.0	104.0	104.0	1119.6	107.1	107.1			
13	1170.0	103.6	104.2	1212.9	110.7	111.3			
14	1260.0	103.0	103.6	1306.2	108.8	109.4			
15	1350.0	100.5	101.1	1399.5	103.4	104.0			
16	1440.0	99.0	100.0	1492.8	107.0	108.0			
17	1530.0	97.7	98.7	1586.1	104.4	105.4			
18	1620.0	95.6	96.6	1679.4	101.0	102.0			
19	1710.0	94.0	95.0	1772.7	103.0	104.0			
20	1800.0	93.1	94.3	1866.0	100.2	101.4			
21	1890.0	90.6	91.8	1959.3	98.6	99.8			
22	1980.0	89.6	90.8	2052.6	99.6	100.8			
23	2070.0	89.6	90.8	2145.9	96.7	97.9			
24	2160.0	86.3	87.5	2239.2	94.7	96.0			
25	2250.0	85.3	86.6	2332.5	95.9	97.2			
26	2340.0	84.3	85.6	2425.8	92.6	93.9			
27	2430.0	82.1	83.4	2519.1	93.1	94.4			
28	2520.0	81.2	82.5	2612.4	89.7	91.0			
29	2610.0	77.8	79.1	2705.7	91.8	93.1			
30	2700.0	78.4	79.7	2799.0	89.9	91.2			
31	2790.0	76.8	78.1	2892.3	87.7	88.9			
32	2880.0	72.9	74.1	2985.6	90.3	91.5			
33	2970.0	74.6	75.8	3078.9	87.7	88.9			
34	3060.0	73.1	74.3	3172.2	86.6	87.8			
35	3150.0	70.1	71.3	3265.5	87.2	88.4			
36	3240.0	70.6	71.8	3358.8	85.1	86.3			
37	3330.0	71.2	72.4	3452.1	84.0	85.2			
38	3420.0	65.9	67.1	3545.4	84.0	85.2			
39	3510.0	66.6	67.8	3638.7	79.9	80.9			
40	3600.0	0.0	0.0	3732.0	82.7	83.7			
OASPL		122.4	118.3		126.1	122.9			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	41.3	22.2	93.3	41.5	22.4			
2	180.0	0.0	0.0	186.6	0.0	0.0			
3	270.0	0.0	0.0	279.9	0.0	0.0			
4	360.0	0.0	0.0	373.2	0.0	0.0			
5	450.0	0.0	0.0	466.5	0.0	0.0			
6	540.0	0.0	0.0	559.8	0.0	0.0			
7	630.0	0.0	0.0	653.1	0.0	0.0			
8	720.0	0.0	0.0	746.4	0.0	0.0			
9	810.0	0.0	0.0	839.7	0.0	0.0			
10	900.0	0.0	0.0	933.0	0.0	0.0			
11	990.0	0.0	0.0	1026.3	0.0	0.0			
12	1080.0	0.0	0.0	1119.6	0.0	0.0			
13	1170.0	0.0	0.0	1212.9	0.0	0.0			
14	1260.0	0.0	0.0	1306.2	0.0	0.0			
15	1350.0	0.0	0.0	1399.5	0.0	0.0			
16	1440.0	0.0	0.0	1492.8	0.0	0.0			
17	1530.0	0.0	0.0	1586.1	0.0	0.0			
18	1620.0	0.0	0.0	1679.4	0.0	0.0			
19	1710.0	0.0	0.0	1772.7	0.0	0.0			
20	1800.0	0.0	0.0	1866.0	0.0	0.0			
21	1890.0	0.0	0.0	1959.3	0.0	0.0			
22	1980.0	0.0	0.0	2052.6	0.0	0.0			
23	2070.0	0.0	0.0	2145.9	0.0	0.0			
24	2160.0	0.0	0.0	2239.2	0.0	0.0			
25	2250.0	0.0	0.0	2332.5	0.0	0.0			
26	2340.0	0.0	0.0	2425.8	0.0	0.0			
27	2430.0	0.0	0.0	2519.1	0.0	0.0			
28	2520.0	0.0	0.0	2612.4	0.0	0.0			
29	2610.0	0.0	0.0	2705.7	0.0	0.0			
30	2700.0	0.0	0.0	2799.0	0.0	0.0			
31	2790.0	0.0	0.0	2892.3	0.0	0.0			
32	2880.0	0.0	0.0	2985.6	0.0	0.0			
33	2970.0	0.0	0.0	3078.9	0.0	0.0			
34	3060.0	0.0	0.0	3172.2	0.0	0.0			
35	3150.0	0.0	0.0	3265.5	0.0	0.0			
36	3240.0	0.0	0.0	3358.8	0.0	0.0			
37	3330.0	0.0	0.0	3452.1	0.0	0.0			
38	3420.0	0.0	0.0	3545.4	0.0	0.0			
39	3510.0	0.0	0.0	3638.7	0.0	0.0			
40	3600.0	0.0	0.0	3732.0	0.0	0.0			
OASPL		41.3	22.2		41.5	22.4			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-6 / 51			BN-61 / 52					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	90.0	112.1	93.0	93.3	113.4	94.3			
2	180.0	108.2	97.3	186.6	108.2	97.3			
3	270.0	115.4	106.8	279.9	118.4	109.8			
4	360.0	112.8	108.0	373.2	113.4	108.6			
5	450.0	110.9	107.7	466.5	115.0	111.8			
6	540.0	112.5	109.3	559.8	115.9	112.7			
7	630.0	110.0	108.1	653.1	113.1	111.2			
8	720.0	108.9	108.1	746.4	114.4	113.6			
9	810.0	110.1	109.3	839.7	113.7	112.9			
10	900.0	106.5	106.5	933.0	110.2	110.2			
11	990.0	105.4	105.4	1026.3	113.7	113.7			
12	1080.0	106.2	106.2	1119.6	111.9	111.9			
13	1170.0	105.2	105.8	1212.9	109.8	110.4			
14	1260.0	100.6	101.2	1306.2	109.5	110.1			
15	1350.0	102.7	103.3	1399.5	109.1	109.7			
16	1440.0	100.7	101.7	1492.8	106.0	107.0			
17	1530.0	97.5	98.5	1586.1	106.8	107.8			
18	1620.0	97.6	98.6	1679.4	105.1	106.1			
19	1710.0	95.5	96.5	1772.7	103.9	104.9			
20	1800.0	94.2	95.4	1866.0	103.9	105.1			
21	1890.0	94.1	95.3	1959.3	100.7	101.9			
22	1980.0	89.6	90.8	2052.6	100.5	101.7			
23	2070.0	90.5	91.7	2145.9	102.1	103.3			
24	2160.0	90.3	91.5	2239.2	94.5	95.8			
25	2250.0	80.9	82.2	2332.5	99.8	101.1			
26	2340.0	86.6	87.9	2425.8	97.4	98.7			
27	2430.0	84.3	85.6	2519.1	95.6	96.9			
28	2520.0	81.2	82.5	2612.4	96.7	98.0			
29	2610.0	82.8	84.1	2705.7	93.7	95.0			
30	2700.0	80.2	81.5	2799.0	94.9	96.2			
31	2790.0	79.4	80.7	2892.3	95.1	96.3			
32	2880.0	79.7	80.9	2985.6	91.9	93.1			
33	2970.0	76.2	77.4	3078.9	93.1	94.3			
34	3060.0	76.8	78.0	3172.2	93.5	94.7			
35	3150.0	76.2	77.4	3265.5	91.3	92.5			
36	3240.0	76.4	77.6	3358.8	89.8	91.0			
37	3330.0	70.3	71.5	3452.1	93.2	94.4			
38	3420.0	0.0	0.0	3545.4	88.3	89.5			
39	3510.0	0.0	0.0	3638.7	88.6	89.6			
40	3600.0	0.0	0.0	3732.0	90.4	91.4			
OASPL		121.9	118.5		125.6	123.4			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	102.3	76.1	70.0	103.6	77.4			
2	120.0	90.4	74.3	140.0	91.9	75.8			
3	180.0	81.0	70.1	210.0	94.1	83.2			
4	240.0	77.4	68.8	280.0	88.5	79.9			
5	300.0	70.0	63.4	350.0	83.9	77.3			
6	360.0	62.3	57.5	420.0	76.6	71.8			
7	420.0	0.0	0.0	490.0	71.9	68.7			
8	480.0	0.0	0.0	560.0	68.1	64.9			
9	540.0	0.0	0.0	630.0	59.8	57.9			
10	600.0	0.0	0.0	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		102.6	79.4		104.5	86.8			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	104.0	77.8	70.0	108.4	82.2			
2	120.0	98.0	81.9	140.0	104.0	87.9			
3	180.0	92.8	81.9	210.0	98.9	88.0			
4	240.0	83.2	74.6	280.0	95.3	86.7			
5	300.0	72.4	65.8	350.0	88.6	82.0			
6	360.0	68.1	63.3	420.0	84.0	79.2			
7	420.0	67.2	62.4	490.0	79.8	76.6			
8	480.0	62.7	59.5	560.0	76.0	72.8			
9	540.0	60.8	57.6	630.0	70.9	69.0			
10	600.0	65.1	63.2	700.0	65.3	63.4			
11	660.0	56.6	54.7	770.0	65.3	64.5			
12	720.0	46.1	45.3	840.0	62.1	61.3			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		105.3	86.1		110.2	93.4			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.8	79.6	70.0	110.8	84.6			
2	120.0	99.4	83.3	140.0	106.4	90.3			
3	180.0	92.8	81.9	210.0	101.2	90.3			
4	240.0	85.6	77.0	280.0	96.4	87.8			
5	300.0	80.4	73.8	350.0	92.1	85.5			
6	360.0	77.3	72.5	420.0	90.3	85.5			
7	420.0	70.8	66.0	490.0	85.3	82.1			
8	480.0	58.6	55.4	560.0	80.0	76.8			
9	540.0	58.7	55.5	630.0	75.8	73.9			
10	600.0	62.7	60.8	700.0	69.9	68.0			
11	660.0	55.7	53.8	770.0	66.9	66.1			
12	720.0	0.0	0.0	840.0	65.7	64.9			
13	780.0	0.0	0.0	910.0	63.0	63.0			
14	840.0	0.0	0.0	980.0	58.9	58.9			
15	900.0	0.0	0.0	1050.0	55.5	55.5			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		106.9	87.5		112.7	96.0			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	107.2	81.0	70.0	112.7	86.5			
2	120.0	100.4	84.3	140.0	107.8	91.7			
3	180.0	93.2	82.3	210.0	101.6	90.7			
4	240.0	87.2	78.6	280.0	100.3	91.7			
5	300.0	82.3	75.7	350.0	94.6	88.0			
6	360.0	74.3	69.5	420.0	90.3	85.5			
7	420.0	62.3	57.5	490.0	83.9	80.7			
8	480.0	65.6	62.4	560.0	80.7	77.5			
9	540.0	65.2	62.0	630.0	78.6	76.7			
10	600.0	58.1	56.2	700.0	72.5	70.6			
11	660.0	0.0	0.0	770.0	65.6	64.8			
12	720.0	0.0	0.0	840.0	58.9	58.1			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		108.2	88.4		114.4	97.6			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	108.0	81.8	70.0	113.8	87.6			
2	120.0	101.6	85.5	140.0	108.7	92.6			
3	180.0	93.0	82.1	210.0	99.7	88.8			
4	240.0	83.8	75.2	280.0	99.2	90.6			
5	300.0	79.0	72.4	350.0	96.0	89.4			
6	360.0	75.1	70.3	420.0	88.5	83.7			
7	420.0	73.3	68.5	490.0	83.1	79.9			
8	480.0	66.7	63.5	560.0	82.6	79.4			
9	540.0	54.4	51.2	630.0	76.2	74.3			
10	600.0	0.0	0.0	700.0	72.5	70.6			
11	660.0	0.0	0.0	770.0	69.5	68.7			
12	720.0	0.0	0.0	840.0	65.0	64.2			
13	780.0	0.0	0.0	910.0	53.4	53.4			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		109.0	88.7		115.3	97.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	106.6	80.4	70.0	113.8	87.6			
2	120.0	100.3	84.2	140.0	107.1	91.0			
3	180.0	90.8	79.9	210.0	98.3	87.4			
4	240.0	81.3	72.7	280.0	97.5	88.9			
5	300.0	81.2	74.6	350.0	93.1	86.5			
6	360.0	72.4	67.6	420.0	79.6	74.8			
7	420.0	65.3	60.5	490.0	73.6	70.4			
8	480.0	65.8	62.6	560.0	80.0	76.8			
9	540.0	61.1	57.9	630.0	63.5	61.6			
10	600.0	60.5	58.6	700.0	68.0	66.1			
11	660.0	58.0	56.1	770.0	66.4	65.6			
12	720.0	57.1	56.3	840.0	59.2	58.4			
13	780.0	55.5	54.7	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0 0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		107.6	87.3		114.9	95.7			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	104.5	78.3	70.0	111.1	84.9			
2	120.0	93.8	77.7	140.0	101.2	85.1			
3	180.0	81.1	70.2	210.0	91.6	80.7			
4	240.0	73.7	65.1	280.0	76.7	68.1			
5	300.0	72.2	65.6	350.0	0.0	0.0			
6	360.0	68.8	64.0	420.0	0.0	0.0			
7	420.0	66.3	61.5	490.0	0.0	0.0			
8	480.0	66.7	63.5	560.0	0.0	0.0			
9	540.0	59.9	56.7	630.0	0.0	0.0			
10	600.0	0.0	0.0	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		104.9	81.8		111.6	88.8			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-1 / 104			CN-2 / 103					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	107.2	81.0	70.0	109.6	83.4			
2	120.0	99.9	83.8	140.0	105.5	89.4			
3	180.0	92.4	81.5	210.0	96.6	85.7			
4	240.0	81.4	72.8	280.0	100.7	92.1			
5	300.0	79.9	73.3	350.0	93.2	86.6			
6	360.0	78.1	73.3	420.0	85.7	80.9			
7	420.0	60.0	55.2	490.0	80.8	77.6			
8	480.0	0.0	0.0	560.0	82.0	78.8			
9	540.0	0.0	0.0	630.0	75.3	73.4			
10	600.0	0.0	0.0	700.0	68.6	66.7			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		108.1	87.6		111.6	95.8			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	99.5	73.3	70.0	104.6	78.4	75.0	107.5	85.0
2	120.0	88.7	72.6	140.0	92.7	76.6	150.0	102.3	88.9
3	180.0	74.9	64.0	210.0	93.6	82.7	225.0	95.0	86.4
4	240.0	79.8	71.2	280.0	87.9	79.3	300.0	96.4	89.8
5	300.0	70.0	63.4	350.0	82.7	76.1	375.0	87.3	82.5
6	360.0	70.3	65.5	420.0	71.0	66.2	450.0	77.4	74.2
7	420.0	67.4	62.6	490.0	62.8	59.6	525.0	75.6	72.4
8	480.0	56.8	53.6	560.0	0.0	0.0	600.0	70.6	68.7
9	540.0	0.0	0.0	630.0	0.0	0.0	675.0	65.2	63.3
10	600.0	0.0	0.0	700.0	0.0	0.0	750.0	68.0	67.2
11	660.0	0.0	0.0	770.0	0.0	0.0	825.0	64.8	64.0
12	720.0	0.0	0.0	840.0	0.0	0.0	900.0	56.0	56.0
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	0.0	0.0
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	0.0	0.0
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	0.0	0.0
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	0.0	0.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		99.9	78.0		105.3	86.4		109.1	94.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	100.2	74.0	70.0	107.7	81.5	75.0	112.7	90.2
2	120.0	95.4	79.3	140.0	104.1	88.0	150.0	108.2	94.8
3	180.0	92.8	81.9	210.0	98.5	87.6	225.0	101.5	92.9
4	240.0	78.8	70.2	280.0	95.3	86.7	300.0	98.6	92.0
5	300.0	78.8	72.2	350.0	89.7	83.1	375.0	97.3	92.5
6	360.0	72.3	67.5	420.0	86.5	81.7	450.0	93.6	90.4
7	420.0	66.6	61.8	490.0	81.8	78.6	525.0	91.8	88.6
8	480.0	0.0	0.0	560.0	75.7	72.5	600.0	85.6	83.7
9	540.0	0.0	0.0	630.0	72.6	70.7	675.0	81.0	79.1
10	600.0	0.0	0.0	700.0	67.5	65.6	750.0	76.2	75.4
11	660.0	0.0	0.0	770.0	63.9	63.1	825.0	77.4	76.6
12	720.0	0.0	0.0	840.0	0.0	0.0	900.0	73.6	73.6
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	66.1	66.1
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	58.7	58.7
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	58.4	59.0
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	59.5	60.1
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		102.1	84.8		109.8	93.6		114.5	100.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	103.5	77.3	70.0	109.3	83.1	75.0	114.0	91.5
2	120.0	97.3	81.2	140.0	105.6	89.5	150.0	109.9	96.5
3	180.0	91.3	80.4	210.0	100.8	89.9	225.0	105.8	97.2
4	240.0	83.4	74.8	280.0	96.3	87.7	300.0	101.3	94.7
5	300.0	70.9	64.3	350.0	92.5	85.9	375.0	101.7	96.9
6	360.0	80.5	75.7	420.0	90.0	85.2	450.0	97.1	93.9
7	420.0	70.0	65.2	490.0	84.0	80.8	525.0	91.6	88.4
8	480.0	56.6	53.4	560.0	78.7	75.5	600.0	89.6	87.7
9	540.0	0.0	0.0	630.0	75.2	73.3	675.0	87.4	85.5
10	600.0	0.0	0.0	700.0	73.0	71.1	750.0	84.0	83.2
11	660.0	0.0	0.0	770.0	67.0	66.2	825.0	79.8	79.0
12	720.0	0.0	0.0	840.0	0.0	0.0	900.0	77.7	77.7
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	74.3	74.3
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	69.7	69.7
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	62.1	62.7
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	59.8	60.4
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	61.2	61.8
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	54.8	55.4
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		104.7	85.7		111.5	95.5		116.3	103.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.2	79.0	70.0	112.1	85.9	75.0	115.5	93.0
2	120.0	98.5	82.4	140.0	108.3	92.2	150.0	111.9	98.5
3	180.0	89.6	78.7	210.0	99.6	88.7	225.0	105.7	97.1
4	240.0	83.5	74.9	280.0	98.8	90.2	300.0	106.3	99.7
5	300.0	82.0	75.4	350.0	96.5	89.9	375.0	104.6	99.8
6	360.0	79.2	74.4	420.0	89.8	85.0	450.0	93.2	90.0
7	420.0	67.1	62.3	490.0	82.8	79.6	525.0	91.4	88.2
8	480.0	0.0	0.0	560.0	81.8	78.6	600.0	92.0	90.1
9	540.0	0.0	0.0	630.0	76.5	74.6	675.0	87.7	85.8
10	600.0	0.0	0.0	700.0	73.5	71.6	750.0	82.2	81.4
11	660.0	0.0	0.0	770.0	66.4	65.6	825.0	79.9	79.1
12	720.0	0.0	0.0	840.0	61.3	60.5	900.0	74.2	74.2
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	73.0	73.0
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	71.4	71.4
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	63.5	64.1
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	0.0	0.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		106.2	86.2		114.0	97.3		118.0	105.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.0	78.8	70.0	110.9	84.7	75.0	114.7	92.2
2	120.0	98.0	81.9	140.0	106.6	90.5	150.0	110.6	97.2
3	180.0	91.3	80.4	210.0	101.1	90.2	225.0	107.4	98.8
4	240.0	87.3	78.7	280.0	99.7	91.1	300.0	104.4	97.8
5	300.0	77.4	70.8	350.0	93.4	86.8	375.0	101.2	96.4
6	360.0	74.3	69.5	420.0	89.7	84.9	450.0	97.7	94.5
7	420.0	74.4	69.6	490.0	85.8	82.6	525.0	94.2	91.0
8	480.0	59.3	56.1	560.0	82.0	78.8	600.0	91.9	90.0
9	540.0	0.0	0.0	630.0	78.9	77.0	675.0	87.8	85.9
10	600.0	0.0	0.0	700.0	71.2	69.3	750.0	84.8	84.0
11	660.0	0.0	0.0	770.0	67.5	66.7	825.0	79.5	78.7
12	720.0	0.0	0.0	840.0	62.1	61.3	900.0	76.8	76.8
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	75.2	75.2
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	70.8	70.8
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	67.9	68.5
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	63.0	63.6
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	60.4	61.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	58.8	59.4
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	38.2	39.2
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		106.0	86.5		112.9	96.9		117.1	104.9

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-7 / 99		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	106.3	80.1	70.0	108.6	82.4	75.0	113.4	90.9
2	120.0	98.2	82.1	140.0	105.2	89.1	150.0	108.7	95.3
3	180.0	91.5	80.6	210.0	96.0	85.1	225.0	101.4	92.8
4	240.0	76.6	68.0	280.0	100.2	91.6	300.0	104.9	98.3
5	300.0	78.9	72.3	350.0	93.3	86.7	375.0	101.9	97.1
6	360.0	68.1	63.3	420.0	84.6	79.8	450.0	94.7	91.5
7	420.0	0.0	0.0	490.0	84.1	80.9	525.0	92.5	89.3
8	480.0	0.0	0.0	560.0	81.1	77.9	600.0	90.4	88.5
9	540.0	0.0	0.0	630.0	75.5	73.6	675.0	86.1	84.2
10	600.0	0.0	0.0	700.0	70.6	68.7	750.0	83.1	82.3
11	660.0	0.0	0.0	770.0	0.0	0.0	825.0	81.1	80.3
12	720.0	0.0	0.0	840.0	0.0	0.0	900.0	77.6	77.6
13	780.0	0.0	0.0	910.0	0.0	0.0	975.0	75.5	75.5
14	840.0	0.0	0.0	980.0	0.0	0.0	1050.0	68.6	68.6
15	900.0	0.0	0.0	1050.0	0.0	0.0	1125.0	67.6	68.2
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	63.4	64.0
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1275.0	0.0	0.0
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	0.0	0.0
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	0.0	0.0
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1575.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1650.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1725.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1800.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	1875.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	1950.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2025.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2100.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2175.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2250.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2325.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2400.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2475.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2550.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2625.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2700.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	2850.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
OASPL		107.0	86.1		110.9	95.5		115.5	103.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	107.6	85.1	43.1	81.8	47.2			
2	160.0	104.8	91.4	86.2	67.6	45.1			
3	240.0	101.7	93.1	129.3	67.5	51.4			
4	320.0	97.8	91.2	172.4	0.0	0.0			
5	400.0	95.5	90.7	215.5	0.0	0.0			
6	480.0	90.6	87.4	258.6	0.0	0.0			
7	560.0	85.1	81.9	301.7	0.0	0.0			
8	640.0	82.2	80.3	344.8	0.0	0.0			
9	720.0	76.8	76.0	387.9	0.0	0.0			
10	800.0	76.8	76.0	431.0	0.0	0.0			
11	880.0	72.2	71.4	474.1	0.0	0.0			
12	960.0	56.7	56.7	517.2	0.0	0.0			
13	1040.0	0.0	0.0	560.3	0.0	0.0			
14	1120.0	0.0	0.0	603.4	0.0	0.0			
15	1200.0	0.0	0.0	646.5	0.0	0.0			
16	1280.0	0.0	0.0	689.6	0.0	0.0			
17	1360.0	0.0	0.0	732.7	0.0	0.0			
18	1440.0	0.0	0.0	775.8	0.0	0.0			
19	1520.0	0.0	0.0	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		110.5	98.5		82.1	53.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	108.6	86.1	43.1	83.8	49.2			
2	160.0	109.2	95.8	86.2	0.0	0.0			
3	240.0	106.0	97.4	129.3	0.0	0.0			
4	320.0	102.8	96.2	172.4	0.0	0.0			
5	400.0	101.1	96.3	215.5	0.0	0.0			
6	480.0	100.7	97.5	258.6	0.0	0.0			
7	560.0	97.5	94.3	301.7	0.0	0.0			
8	640.0	94.3	92.4	344.8	0.0	0.0			
9	720.0	88.0	87.2	387.9	0.0	0.0			
10	800.0	88.9	88.1	431.0	0.0	0.0			
11	880.0	86.7	85.9	474.1	0.0	0.0			
12	960.0	82.1	82.1	517.2	0.0	0.0			
13	1040.0	78.2	78.2	560.3	0.0	0.0			
14	1120.0	76.5	76.5	603.4	0.0	0.0			
15	1200.0	71.7	72.3	646.5	0.0	0.0			
16	1280.0	72.0	72.6	689.6	0.0	0.0			
17	1360.0	65.7	66.3	732.7	0.0	0.0			
18	1440.0	63.1	64.1	775.8	0.0	0.0			
19	1520.0	0.0	0.0	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		114.0	104.8		83.8	49.2			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	111.5	89.0	43.1	83.9	49.3			
2	160.0	110.0	96.6	86.2	77.6	55.1			
3	240.0	108.2	99.6	129.3	0.0	0.0			
4	320.0	105.9	99.3	172.4	0.0	0.0			
5	400.0	104.7	99.9	215.5	0.0	0.0			
6	480.0	102.7	99.5	258.6	0.0	0.0			
7	560.0	98.5	95.3	301.7	0.0	0.0			
8	640.0	97.7	95.8	344.8	0.0	0.0			
9	720.0	96.2	95.4	387.9	0.0	0.0			
10	800.0	92.1	91.3	431.0	0.0	0.0			
11	880.0	89.9	89.1	474.1	0.0	0.0			
12	960.0	88.1	88.1	517.2	0.0	0.0			
13	1040.0	85.0	85.0	560.3	0.0	0.0			
14	1120.0	80.7	80.7	603.4	0.0	0.0			
15	1200.0	79.1	79.7	646.5	0.0	0.0			
16	1280.0	78.3	78.9	689.6	0.0	0.0			
17	1360.0	73.3	73.9	732.7	0.0	0.0			
18	1440.0	69.4	70.4	775.8	0.0	0.0			
19	1520.0	66.8	67.8	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		116.2	107.5		84.8	56.1			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	114.7	92.2	43.1	84.1	49.5			
2	160.0	110.0	96.6	86.2	0.0	0.0			
3	240.0	110.0	101.4	129.3	0.0	0.0			
4	320.0	106.6	100.0	172.4	0.0	0.0			
5	400.0	105.3	100.5	215.5	0.0	0.0			
6	480.0	102.0	98.8	258.6	0.0	0.0			
7	560.0	101.1	97.9	301.7	0.0	0.0			
8	640.0	99.6	97.7	344.8	0.0	0.0			
9	720.0	95.5	94.7	387.9	0.0	0.0			
10	800.0	93.3	92.5	431.0	0.0	0.0			
11	880.0	91.7	90.9	474.1	0.0	0.0			
12	960.0	86.0	86.0	517.2	0.0	0.0			
13	1040.0	86.2	86.2	560.3	0.0	0.0			
14	1120.0	84.6	84.6	603.4	0.0	0.0			
15	1200.0	79.7	80.3	646.5	0.0	0.0			
16	1280.0	76.4	77.0	689.6	0.0	0.0			
17	1360.0	74.8	75.4	732.7	0.0	0.0			
18	1440.0	71.5	72.5	775.8	0.0	0.0			
19	1520.0	68.9	69.9	818.9	0.0	0.0			
20	1600.0	62.1	63.1	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		118.0	108.3		84.1	49.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	117.1	94.6	43.1	80.3	45.7			
2	160.0	111.2	97.8	86.2	0.0	0.0			
3	240.0	108.9	100.3	129.3	0.0	0.0			
4	320.0	111.3	104.7	172.4	0.0	0.0			
5	400.0	105.1	100.3	215.5	0.0	0.0			
6	480.0	99.7	96.5	258.6	0.0	0.0			
7	560.0	100.5	97.3	301.7	0.0	0.0			
8	640.0	99.3	97.4	344.8	0.0	0.0			
9	720.0	93.6	92.8	387.9	0.0	0.0			
10	800.0	92.5	91.7	431.0	0.0	0.0			
11	880.0	86.8	86.0	474.1	0.0	0.0			
12	960.0	87.7	87.7	517.2	0.0	0.0			
13	1040.0	85.0	85.0	560.3	0.0	0.0			
14	1120.0	78.8	78.8	603.4	0.0	0.0			
15	1200.0	78.5	79.1	646.5	0.0	0.0			
16	1280.0	77.0	77.6	689.6	0.0	0.0			
17	1360.0	71.8	72.4	732.7	0.0	0.0			
18	1440.0	67.1	68.1	775.8	0.0	0.0			
19	1520.0	67.5	68.5	818.9	0.0	0.0			
20	1600.0	61.1	62.1	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		119.7	109.0		80.3	45.7			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	117.7	95.2	43.1	78.3	43.7			
2	160.0	109.6	96.2	86.2	0.0	0.0			
3	240.0	106.9	98.3	129.3	0.0	0.0			
4	320.0	107.7	101.1	172.4	0.0	0.0			
5	400.0	101.5	96.7	215.5	0.0	0.0			
6	480.0	95.9	92.7	258.6	0.0	0.0			
7	560.0	97.4	94.2	301.7	0.0	0.0			
8	640.0	91.3	89.4	344.8	0.0	0.0			
9	720.0	80.0	79.2	387.9	0.0	0.0			
10	800.0	85.1	84.3	431.0	0.0	0.0			
11	880.0	82.2	81.4	474.1	0.0	0.0			
12	960.0	76.2	76.2	517.2	0.0	0.0			
13	1040.0	66.4	66.4	560.3	0.0	0.0			
14	1120.0	0.0	0.0	603.4	0.0	0.0			
15	1200.0	0.0	0.0	646.5	0.0	0.0			
16	1280.0	0.0	0.0	689.6	0.0	0.0			
17	1360.0	0.0	0.0	732.7	0.0	0.0			
18	1440.0	0.0	0.0	775.8	0.0	0.0			
19	1520.0	0.0	0.0	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		119.1	105.8		78.3	43.7			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	114.9	92.4	43.1	77.1	42.5			
2	160.0	104.8	91.4	86.2	0.0	0.0			
3	240.0	102.5	93.9	129.3	0.0	0.0			
4	320.0	94.9	88.3	172.4	0.0	0.0			
5	400.0	85.0	80.2	215.5	0.0	0.0			
6	480.0	82.9	79.7	258.6	0.0	0.0			
7	560.0	77.7	74.5	301.7	0.0	0.0			
8	640.0	0.0	0.0	344.8	0.0	0.0			
9	720.0	0.0	0.0	387.9	0.0	0.0			
10	800.0	0.0	0.0	431.0	0.0	0.0			
11	880.0	0.0	0.0	474.1	0.0	0.0			
12	960.0	0.0	0.0	517.2	0.0	0.0			
13	1040.0	0.0	0.0	560.3	0.0	0.0			
14	1120.0	0.0	0.0	603.4	0.0	0.0			
15	1200.0	0.0	0.0	646.5	0.0	0.0			
16	1280.0	0.0	0.0	689.6	0.0	0.0			
17	1360.0	0.0	0.0	732.7	0.0	0.0			
18	1440.0	0.0	0.0	775.8	0.0	0.0			
19	1520.0	0.0	0.0	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		115.6	98.1		77.1	42.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-5 / 98			CN-6 / 102					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	80.0	113.5	91.0	43.1	83.7	49.1			
2	160.0	108.1	94.7	86.2	0.0	0.0			
3	240.0	107.6	99.0	129.3	0.0	0.0			
4	320.0	108.1	101.5	172.4	0.0	0.0			
5	400.0	104.0	99.2	215.5	0.0	0.0			
6	480.0	100.0	96.8	258.6	0.0	0.0			
7	560.0	100.9	97.7	301.7	0.0	0.0			
8	640.0	96.0	94.1	344.8	0.0	0.0			
9	720.0	92.8	92.0	387.9	0.0	0.0			
10	800.0	92.7	91.9	431.0	0.0	0.0			
11	880.0	89.5	88.7	474.1	0.0	0.0			
12	960.0	86.0	86.0	517.2	0.0	0.0			
13	1040.0	85.3	85.3	560.3	0.0	0.0			
14	1120.0	82.6	82.6	603.4	0.0	0.0			
15	1200.0	81.9	82.5	646.5	0.0	0.0			
16	1280.0	72.8	73.4	689.6	0.0	0.0			
17	1360.0	0.0	0.0	732.7	0.0	0.0			
18	1440.0	0.0	0.0	775.8	0.0	0.0			
19	1520.0	0.0	0.0	818.9	0.0	0.0			
20	1600.0	0.0	0.0	862.0	0.0	0.0			
21	1680.0	0.0	0.0	905.1	0.0	0.0			
22	1760.0	0.0	0.0	948.2	0.0	0.0			
23	1840.0	0.0	0.0	991.3	0.0	0.0			
24	1920.0	0.0	0.0	1034.4	0.0	0.0			
25	2000.0	0.0	0.0	1077.5	0.0	0.0			
26	2080.0	0.0	0.0	1120.6	0.0	0.0			
27	2160.0	0.0	0.0	1163.7	0.0	0.0			
28	2240.0	0.0	0.0	1206.8	0.0	0.0			
29	2320.0	0.0	0.0	1249.9	0.0	0.0			
30	2400.0	0.0	0.0	1293.0	0.0	0.0			
31	2480.0	0.0	0.0	1336.1	0.0	0.0			
32	2560.0	0.0	0.0	1379.2	0.0	0.0			
33	2640.0	0.0	0.0	1422.3	0.0	0.0			
34	2720.0	0.0	0.0	1465.4	0.0	0.0			
35	2800.0	0.0	0.0	1508.5	0.0	0.0			
36	2880.0	0.0	0.0	1551.6	0.0	0.0			
37	2960.0	0.0	0.0	1594.7	0.0	0.0			
38	3040.0	0.0	0.0	1637.8	0.0	0.0			
39	3120.0	0.0	0.0	1680.9	0.0	0.0			
40	3200.0	0.0	0.0	1724.0	0.0	0.0			
OASPL		116.7	107.2		83.7	49.1			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	103.9	77.7	70.0	105.2	79.0			
2	120.0	92.6	76.5	140.0	94.3	78.2			
3	180.0	84.7	73.8	210.0	93.5	82.6			
4	240.0	82.0	73.4	280.0	88.6	80.0			
5	300.0	63.5	56.9	350.0	84.8	78.2			
6	360.0	69.2	64.4	420.0	69.3	64.5			
7	420.0	64.3	59.5	490.0	0.0	0.0			
8	480.0	67.3	64.1	560.0	0.0	0.0			
9	540.0	59.4	56.2	630.0	0.0	0.0			
10	600.0	0.0	0.0	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		104.3	82.0		105.9	86.9			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	105.9	79.7	70.0	110.0	83.8			
2	120.0	101.4	85.3	140.0	106.1	90.0			
3	180.0	96.6	85.7	210.0	102.4	91.5			
4	240.0	86.5	77.9	280.0	98.3	89.7			
5	300.0	81.9	75.3	350.0	92.2	85.6			
6	360.0	68.5	63.7	420.0	91.3	86.5			
7	420.0	73.3	68.5	490.0	87.2	84.0			
8	480.0	66.8	63.6	560.0	81.6	78.4			
9	540.0	59.1	55.9	630.0	75.1	73.2			
10	600.0	0.0	0.0	700.0	72.1	70.2			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		107.6	89.6		112.3	96.8			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	108.1	81.9	70.0	112.9	86.7			
2	120.0	103.1	87.0	140.0	108.2	92.1			
3	180.0	95.9	85.0	210.0	103.0	92.1			
4	240.0	88.9	80.3	280.0	98.7	90.1			
5	300.0	81.1	74.5	350.0	94.5	87.9			
6	360.0	81.3	76.5	420.0	90.9	86.1			
7	420.0	63.5	58.7	490.0	84.3	81.1			
8	480.0	0.0	0.0	560.0	79.4	76.2			
9	540.0	0.0	0.0	630.0	76.4	74.5			
10	600.0	0.0	0.0	700.0	72.7	70.8			
11	660.0	0.0	0.0	770.0	69.9	69.1			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		109.5	90.6		114.7	97.8			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	110.0	83.8	70.0	114.8	88.6			
2	120.0	104.2	88.1	140.0	109.5	93.4			
3	180.0	96.5	85.6	210.0	103.6	92.7			
4	240.0	90.7	82.1	280.0	101.6	93.0			
5	300.0	83.0	76.4	350.0	96.7	90.1			
6	360.0	79.8	75.0	420.0	93.7	88.9			
7	420.0	75.8	71.0	490.0	89.1	85.9			
8	480.0	63.4	60.2	560.0	85.7	82.5			
9	540.0	0.0	0.0	630.0	80.4	78.5			
10	600.0	0.0	0.0	700.0	74.2	72.3			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		111.2	91.8		116.4	99.6			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	111.3	85.1	70.0	115.9	89.7			
2	120.0	105.1	89.0	140.0	111.4	95.3			
3	180.0	97.0	86.1	210.0	101.6	90.7			
4	240.0	87.4	78.8	280.0	101.6	93.0			
5	300.0	87.1	80.5	350.0	99.6	93.0			
6	360.0	74.5	69.7	420.0	90.3	85.5			
7	420.0	73.1	68.3	490.0	87.5	84.3			
8	480.0	70.2	67.0	560.0	83.3	80.1			
9	540.0	59.8	56.6	630.0	78.1	76.2			
10	600.0	0.0	0.0	700.0	74.4	72.5			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		112.4	92.4		117.6	100.1			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	111.2	85.0	70.0	115.1	88.9			
2	120.0	103.7	87.6	140.0	110.0	93.9			
3	180.0	94.1	83.2	210.0	100.1	89.2			
4	240.0	83.7	75.1	280.0	99.5	90.9			
5	300.0	82.7	76.1	350.0	96.1	89.5			
6	360.0	78.4	73.6	420.0	85.7	80.9			
7	420.0	72.8	68.0	490.0	85.0	81.8			
8	480.0	63.8	60.6	560.0	78.8	75.6			
9	540.0	0.0	0.0	630.0	71.6	69.7			
10	600.0	0.0	0.0	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		112.0	90.8		116.5	98.1			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	109.3	83.1	70.0	113.2	87.0			
2	120.0	96.6	80.5	140.0	103.9	87.8			
3	180.0	85.1	74.2	210.0	95.6	84.7			
4	240.0	68.7	60.1	280.0	78.4	69.8			
5	300.0	75.6	69.0	350.0	0.0	0.0			
6	360.0	73.9	69.1	420.0	0.0	0.0			
7	420.0	73.4	68.6	490.0	0.0	0.0			
8	480.0	66.7	63.5	560.0	0.0	0.0			
9	540.0	60.0	56.8	630.0	0.0	0.0			
10	600.0	0.0	0.0	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		109.5	85.7		113.8	91.5			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-1 / 97			DN-3 / 91					
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	111.8	85.6	70.0	111.6	85.4			
2	120.0	103.6	87.5	140.0	108.0	91.9			
3	180.0	96.1	85.2	210.0	98.9	88.0			
4	240.0	85.0	76.4	280.0	102.3	93.7			
5	300.0	85.6	79.0	350.0	99.3	92.7			
6	360.0	79.4	74.6	420.0	91.2	86.4			
7	420.0	63.4	58.6	490.0	84.3	81.1			
8	480.0	67.2	64.0	560.0	86.1	82.9			
9	540.0	64.2	61.0	630.0	76.3	74.4			
10	600.0	58.7	56.8	700.0	0.0	0.0			
11	660.0	0.0	0.0	770.0	0.0	0.0			
12	720.0	0.0	0.0	840.0	0.0	0.0			
13	780.0	0.0	0.0	910.0	0.0	0.0			
14	840.0	0.0	0.0	980.0	0.0	0.0			
15	900.0	0.0	0.0	1050.0	0.0	0.0			
16	960.0	0.0	0.0	1120.0	0.0	0.0			
17	1020.0	0.0	0.0	1190.0	0.0	0.0			
18	1080.0	0.0	0.0	1260.0	0.0	0.0			
19	1140.0	0.0	0.0	1330.0	0.0	0.0			
20	1200.0	0.0	0.0	1400.0	0.0	0.0			
21	1260.0	0.0	0.0	1470.0	0.0	0.0			
22	1320.0	0.0	0.0	1540.0	0.0	0.0			
23	1380.0	0.0	0.0	1610.0	0.0	0.0			
24	1440.0	0.0	0.0	1680.0	0.0	0.0			
25	1500.0	0.0	0.0	1750.0	0.0	0.0			
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
27	1620.0	0.0	0.0	1890.0	0.0	0.0			
28	1680.0	0.0	0.0	1960.0	0.0	0.0			
29	1740.0	0.0	0.0	2030.0	0.0	0.0			
30	1800.0	0.0	0.0	2100.0	0.0	0.0			
31	1860.0	0.0	0.0	2170.0	0.0	0.0			
32	1920.0	0.0	0.0	2240.0	0.0	0.0			
33	1980.0	0.0	0.0	2310.0	0.0	0.0			
34	2040.0	0.0	0.0	2380.0	0.0	0.0			
35	2100.0	0.0	0.0	2450.0	0.0	0.0			
36	2160.0	0.0	0.0	2520.0	0.0	0.0			
37	2220.0	0.0	0.0	2590.0	0.0	0.0			
38	2280.0	0.0	0.0	2660.0	0.0	0.0			
39	2340.0	0.0	0.0	2730.0	0.0	0.0			
40	2400.0	0.0	0.0	2800.0	0.0	0.0			
OASPL		112.5	91.5		113.9	98.7			

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 1 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	80.5	45.9	60.0	104.1	77.9	65.0	102.3	76.1
2	71.2	68.4	45.9	120.0	93.5	77.4	130.0	100.4	84.3
3	106.8	0.0	0.0	180.0	81.1	70.2	195.0	87.0	76.1
4	142.4	0.0	0.0	240.0	81.9	73.3	260.0	82.1	73.5
5	178.0	0.0	0.0	300.0	76.1	69.5	325.0	75.9	69.3
6	213.6	0.0	0.0	360.0	68.6	63.8	390.0	77.2	72.4
7	249.2	0.0	0.0	420.0	66.7	61.9	455.0	72.2	69.0
8	284.8	0.0	0.0	480.0	69.2	66.0	520.0	70.0	66.8
9	320.4	0.0	0.0	540.0	60.8	57.6	585.0	65.7	63.8
10	356.0	0.0	0.0	600.0	0.0	0.0	650.0	62.9	61.0
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	56.6	55.8
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	0.0	0.0
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	0.0	0.0
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		80.7	48.9		104.5	82.2		104.6	86.2

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 2 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	77.9	43.3	60.0	105.6	79.4	65.0	108.8	82.6
2	71.2	0.0	0.0	120.0	99.7	83.6	130.0	104.5	88.4
3	106.8	0.0	0.0	180.0	96.1	85.2	195.0	96.2	85.3
4	142.4	0.0	0.0	240.0	84.7	76.1	260.0	91.7	83.1
5	178.0	0.0	0.0	300.0	78.5	71.9	325.0	85.8	79.2
6	213.6	0.0	0.0	360.0	75.8	71.0	390.0	82.4	77.6
7	249.2	0.0	0.0	420.0	74.7	69.9	455.0	80.7	77.5
8	284.8	0.0	0.0	480.0	69.5	66.3	520.0	68.3	65.1
9	320.4	0.0	0.0	540.0	64.0	60.8	585.0	70.7	68.8
10	356.0	0.0	0.0	600.0	71.9	70.0	650.0	66.5	64.6
11	391.6	0.0	0.0	660.0	59.5	57.6	715.0	56.0	55.2
12	427.2	0.0	0.0	720.0	56.1	55.3	780.0	0.0	0.0
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	0.0	0.0
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		77.9	43.3		107.0	88.7		110.4	92.1

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 3 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	86.9	52.3	60.0	109.2	83.0	65.0	110.7	84.5
2	71.2	66.7	44.2	120.0	101.6	85.5	130.0	105.9	89.8
3	106.8	0.0	0.0	180.0	95.8	84.9	195.0	100.3	89.4
4	142.4	0.0	0.0	240.0	88.3	79.7	260.0	94.5	85.9
5	178.0	0.0	0.0	300.0	67.4	60.8	325.0	91.4	84.8
6	213.6	0.0	0.0	360.0	69.5	64.7	390.0	83.1	78.3
7	249.2	0.0	0.0	420.0	68.4	63.6	455.0	78.9	75.7
8	284.8	0.0	0.0	480.0	68.3	65.1	520.0	77.1	73.9
9	320.4	0.0	0.0	540.0	65.1	61.9	585.0	72.2	70.3
10	356.0	0.0	0.0	600.0	71.2	69.3	650.0	54.6	52.7
11	391.6	0.0	0.0	660.0	57.9	56.0	715.0	0.0	0.0
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	0.0	0.0
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	0.0	0.0
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		86.9	52.9		110.1	89.9		112.4	94.7

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	88.1	53.5	60.0	110.9	84.7	65.0	113.3	87.1
2	71.2	71.1	48.6	120.0	102.9	86.8	130.0	106.9	90.8
3	106.8	0.0	0.0	180.0	96.1	85.2	195.0	100.2	89.3
4	142.4	0.0	0.0	240.0	90.7	82.1	260.0	97.0	88.4
5	178.0	0.0	0.0	300.0	82.6	76.0	325.0	93.3	86.7
6	213.6	0.0	0.0	360.0	80.3	75.5	390.0	88.5	83.7
7	249.2	0.0	0.0	420.0	74.0	69.2	455.0	81.8	78.6
8	284.8	0.0	0.0	480.0	70.5	67.3	520.0	64.3	61.1
9	320.4	0.0	0.0	540.0	63.7	60.5	585.0	74.4	72.5
10	356.0	0.0	0.0	600.0	0.0	0.0	650.0	66.7	64.8
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	63.9	63.1
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	65.6	64.8
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	59.3	58.5
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		88.2	54.7		111.7	91.3		114.5	96.1

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	88.9	54.3	60.0	111.8	85.6	65.0	115.0	88.8
2	71.2	71.5	49.0	120.0	104.5	88.4	130.0	108.1	92.0
3	106.8	0.0	0.0	180.0	95.5	84.6	195.0	100.5	89.6
4	142.4	0.0	0.0	240.0	86.1	77.5	260.0	96.6	88.0
5	178.0	0.0	0.0	300.0	87.5	80.9	325.0	92.6	86.0
6	213.6	0.0	0.0	360.0	82.8	78.0	390.0	86.5	81.7
7	249.2	0.0	0.0	420.0	75.5	70.7	455.0	83.0	79.8
8	284.8	0.0	0.0	480.0	71.2	68.0	520.0	78.6	75.4
9	320.4	0.0	0.0	540.0	67.2	64.0	585.0	71.8	69.9
10	356.0	0.0	0.0	600.0	58.5	56.6	650.0	67.4	65.5
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	67.2	66.4
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	68.2	67.4
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	60.5	59.7
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	63.1	63.1
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		89.0	55.5		112.6	92.1		116.0	96.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 6 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	87.5	52.9	60.0	110.7	84.5	65.0	115.5	89.3
2	71.2	73.8	51.3	120.0	103.6	87.5	130.0	107.2	91.1
3	106.8	0.0	0.0	180.0	93.1	82.2	195.0	96.8	85.9
4	142.4	0.0	0.0	240.0	83.7	75.1	260.0	96.2	87.6
5	178.0	0.0	0.0	300.0	78.8	72.2	325.0	90.9	84.3
6	213.6	0.0	0.0	360.0	77.4	72.6	390.0	86.6	81.8
7	249.2	0.0	0.0	420.0	74.3	69.5	455.0	74.6	71.4
8	284.8	0.0	0.0	480.0	68.2	65.0	520.0	72.4	69.2
9	320.4	0.0	0.0	540.0	63.2	60.0	585.0	72.2	70.3
10	356.0	0.0	0.0	600.0	61.8	59.9	650.0	69.0	67.1
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	68.1	67.3
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	67.8	67.0
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	64.2	63.4
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	59.7	59.7
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		87.7	55.2		111.6	90.4		116.2	95.5

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 7 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	81.9	47.3	60.0	105.2	79.0	65.0	112.9	86.7
2	71.2	67.7	45.2	120.0	95.2	79.1	130.0	102.8	86.7
3	106.8	0.0	0.0	180.0	83.7	72.8	195.0	93.6	82.7
4	142.4	0.0	0.0	240.0	58.9	50.3	260.0	84.0	75.4
5	178.0	0.0	0.0	300.0	0.0	0.0	325.0	76.3	69.7
6	213.6	0.0	0.0	360.0	0.0	0.0	390.0	79.1	74.3
7	249.2	0.0	0.0	420.0	0.0	0.0	455.0	73.7	70.5
8	284.8	0.0	0.0	480.0	0.0	0.0	520.0	68.6	65.4
9	320.4	0.0	0.0	540.0	0.0	0.0	585.0	72.2	70.3
10	356.0	0.0	0.0	600.0	0.0	0.0	650.0	71.4	69.5
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	69.2	68.4
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	62.1	61.3
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	0.0	0.0
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		82.1	49.4		105.7	82.6		113.3	90.9

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 9 (PITCH ANGLE: 29.0 DEG)

	DATA-POINT / RUN								
	DN-4 / 96			DN-2 / 93			DN-5 / 92		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	35.6	85.1	50.5	60.0	110.8	84.6	65.0	113.7	87.5
2	71.2	0.0	0.0	120.0	103.0	86.9	130.0	108.1	92.0
3	106.8	0.0	0.0	180.0	95.2	84.3	195.0	97.1	86.2
4	142.4	0.0	0.0	240.0	85.5	76.9	260.0	96.0	87.4
5	178.0	0.0	0.0	300.0	84.3	77.7	325.0	90.4	83.8
6	213.6	0.0	0.0	360.0	80.6	75.8	390.0	82.7	77.9
7	249.2	0.0	0.0	420.0	69.6	64.8	455.0	79.7	76.5
8	284.8	0.0	0.0	480.0	65.2	62.0	520.0	74.8	71.6
9	320.4	0.0	0.0	540.0	0.0	0.0	585.0	72.1	70.2
10	356.0	0.0	0.0	600.0	0.0	0.0	650.0	58.0	56.1
11	391.6	0.0	0.0	660.0	0.0	0.0	715.0	0.0	0.0
12	427.2	0.0	0.0	720.0	0.0	0.0	780.0	0.0	0.0
13	462.8	0.0	0.0	780.0	0.0	0.0	845.0	0.0	0.0
14	498.4	0.0	0.0	840.0	0.0	0.0	910.0	0.0	0.0
15	534.0	0.0	0.0	900.0	0.0	0.0	975.0	0.0	0.0
16	569.6	0.0	0.0	960.0	0.0	0.0	1040.0	0.0	0.0
17	605.2	0.0	0.0	1020.0	0.0	0.0	1105.0	0.0	0.0
18	640.8	0.0	0.0	1080.0	0.0	0.0	1170.0	0.0	0.0
19	676.4	0.0	0.0	1140.0	0.0	0.0	1235.0	0.0	0.0
20	712.0	0.0	0.0	1200.0	0.0	0.0	1300.0	0.0	0.0
21	747.6	0.0	0.0	1260.0	0.0	0.0	1365.0	0.0	0.0
22	783.2	0.0	0.0	1320.0	0.0	0.0	1430.0	0.0	0.0
23	818.8	0.0	0.0	1380.0	0.0	0.0	1495.0	0.0	0.0
24	854.4	0.0	0.0	1440.0	0.0	0.0	1560.0	0.0	0.0
25	890.0	0.0	0.0	1500.0	0.0	0.0	1625.0	0.0	0.0
26	925.6	0.0	0.0	1560.0	0.0	0.0	1690.0	0.0	0.0
27	961.2	0.0	0.0	1620.0	0.0	0.0	1755.0	0.0	0.0
28	996.8	0.0	0.0	1680.0	0.0	0.0	1820.0	0.0	0.0
29	1032.4	0.0	0.0	1740.0	0.0	0.0	1885.0	0.0	0.0
30	1068.0	0.0	0.0	1800.0	0.0	0.0	1950.0	0.0	0.0
31	1103.6	0.0	0.0	1860.0	0.0	0.0	2015.0	0.0	0.0
32	1139.2	0.0	0.0	1920.0	0.0	0.0	2080.0	0.0	0.0
33	1174.8	0.0	0.0	1980.0	0.0	0.0	2145.0	0.0	0.0
34	1210.4	0.0	0.0	2040.0	0.0	0.0	2210.0	0.0	0.0
35	1246.0	0.0	0.0	2100.0	0.0	0.0	2275.0	0.0	0.0
36	1281.6	0.0	0.0	2160.0	0.0	0.0	2340.0	0.0	0.0
37	1317.2	0.0	0.0	2220.0	0.0	0.0	2405.0	0.0	0.0
38	1352.8	0.0	0.0	2280.0	0.0	0.0	2470.0	0.0	0.0
39	1388.4	0.0	0.0	2340.0	0.0	0.0	2535.0	0.0	0.0
40	1424.0	0.0	0.0	2400.0	0.0	0.0	2600.0	0.0	0.0
OASPL		85.1	50.5		111.6	90.8		114.9	95.4

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 8 (PITCH ANGLE: 19.9 DEG)

	DATA-POINT / RUN								
	BN-4 / 54			BN-5 / 53			BN-6 / 51		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	70.0	104.2	78.0	80.0	109.9	87.4	90.0	108.2	89.1
2	140.0	102.2	86.1	160.0	107.2	93.8	180.0	111.4	100.5
3	210.0	97.8	86.9	240.0	106.5	97.9	270.0	111.2	102.6
4	280.0	94.0	85.4	320.0	102.8	96.2	360.0	111.2	106.4
5	350.0	88.2	81.6	400.0	102.5	97.7	450.0	110.6	107.4
6	420.0	85.7	80.9	480.0	99.1	95.9	540.0	110.5	107.3
7	490.0	82.2	79.0	560.0	96.9	93.7	630.0	109.9	108.0
8	560.0	76.3	73.1	640.0	94.2	92.3	720.0	109.0	108.2
9	630.0	70.7	68.8	720.0	92.7	91.9	810.0	108.1	107.3
10	700.0	0.0	0.0	800.0	89.0	88.2	900.0	106.3	106.3
11	770.0	0.0	0.0	880.0	86.8	86.0	990.0	105.8	105.8
12	840.0	0.0	0.0	960.0	83.7	83.7	1080.0	104.5	104.5
13	910.0	0.0	0.0	1040.0	80.8	80.8	1170.0	102.8	103.4
14	980.0	0.0	0.0	1120.0	78.5	78.5	1260.0	101.9	102.5
15	1050.0	0.0	0.0	1200.0	75.2	75.8	1350.0	100.5	101.1
16	1120.0	0.0	0.0	1280.0	73.7	74.3	1440.0	98.5	99.5
17	1190.0	0.0	0.0	1360.0	70.0	70.6	1530.0	97.2	98.2
18	1260.0	0.0	0.0	1440.0	67.0	68.0	1620.0	95.9	96.9
19	1330.0	0.0	0.0	1520.0	63.9	64.9	1710.0	93.5	94.5
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	92.7	93.9
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	92.1	93.3
22	1540.0	0.0	0.0	1760.0	0.0	0.0	1980.0	89.5	90.7
23	1610.0	0.0	0.0	1840.0	0.0	0.0	2070.0	89.2	90.4
24	1680.0	0.0	0.0	1920.0	0.0	0.0	2160.0	86.6	87.8
25	1750.0	0.0	0.0	2000.0	0.0	0.0	2250.0	85.1	86.4
26	1820.0	0.0	0.0	2080.0	0.0	0.0	2340.0	84.3	85.6
27	1890.0	0.0	0.0	2160.0	0.0	0.0	2430.0	83.0	84.3
28	1960.0	0.0	0.0	2240.0	0.0	0.0	2520.0	81.1	82.4
29	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	80.7	82.0
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	79.3	80.6
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	77.2	78.5
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	78.4	79.6
33	2310.0	0.0	0.0	2640.0	0.0	0.0	2970.0	74.8	76.0
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	75.6	76.8
35	2450.0	0.0	0.0	2800.0	0.0	0.0	3150.0	74.1	75.3
36	2520.0	0.0	0.0	2880.0	0.0	0.0	3240.0	73.3	74.5
37	2590.0	0.0	0.0	2960.0	0.0	0.0	3330.0	71.3	72.5
38	2660.0	0.0	0.0	3040.0	0.0	0.0	3420.0	70.8	72.0
39	2730.0	0.0	0.0	3120.0	0.0	0.0	3510.0	69.4	70.6
40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	65.3	66.3
OASPL		107.2	92.3		114.0	104.8		120.5	117.5

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 8 (PITCH ANGLE: 23.7 DEG)

	DATA-POINT / RUN								
	CN-3 / 101			CN-4 / 100			CN-5 / 98		
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	60.0	103.9	77.7	70.0	108.6	82.4	80.0	111.9	89.4
2	120.0	97.4	81.3	140.0	106.4	90.3	160.0	109.1	95.7
3	180.0	87.8	76.9	210.0	101.9	91.0	240.0	108.2	99.6
4	240.0	83.3	75.2	280.0	96.6	88.0	320.0	104.7	98.1
5	300.0	71.6	65.0	350.0	90.8	84.2	400.0	103.9	99.1
6	360.0	0.0	0.0	420.0	89.1	84.3	480.0	101.5	98.3
7	420.0	0.0	0.0	490.0	84.8	81.6	560.0	98.5	95.3
8	480.0	0.0	0.0	560.0	79.4	76.2	640.0	95.2	93.3
9	540.0	0.0	0.0	630.0	73.3	71.4	720.0	95.1	94.3
10	600.0	0.0	0.0	700.0	70.3	68.4	800.0	90.8	90.0
11	660.0	0.0	0.0	770.0	66.3	65.5	880.0	88.6	87.8
12	720.0	0.0	0.0	840.0	62.1	61.3	960.0	87.0	87.0
13	780.0	0.0	0.0	910.0	61.3	61.3	1040.0	82.1	82.1
14	840.0	0.0	0.0	980.0	0.0	0.0	1120.0	81.1	81.1
15	900.0	0.0	0.0	1050.0	0.0	0.0	1200.0	78.3	78.9
16	960.0	0.0	0.0	1120.0	0.0	0.0	1280.0	75.7	76.3
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	75.2	75.8
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	72.3	73.3
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	68.8	69.8
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	0.0	0.0
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	0.0	0.0
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1800.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1860.0	0.0	0.0	2170.0	0.0	0.0	2480.0	0.0	0.0
32	1920.0	0.0	0.0	2240.0	0.0	0.0	2560.0	0.0	0.0
33	1980.0	0.0	0.0	2310.0	0.0	0.0	2640.0	0.0	0.0
34	2040.0	0.0	0.0	2380.0	0.0	0.0	2720.0	0.0	0.0
35	2100.0	0.0	0.0	2450.0	0.0	0.0	2800.0	0.0	0.0
36	2160.0	0.0	0.0	2520.0	0.0	0.0	2880.0	0.0	0.0
37	2220.0	0.0	0.0	2590.0	0.0	0.0	2960.0	0.0	0.0
38	2280.0	0.0	0.0	2660.0	0.0	0.0	3040.0	0.0	0.0
39	2340.0	0.0	0.0	2730.0	0.0	0.0	3120.0	0.0	0.0
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
OASPL		104.9	84.4		111.4	95.9		115.9	106.6

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

7. Comments on Data Interpretation

In the preceeding chapters acoustic as-measured data are presented in terms of pressure-time histories and narrow-band spectra for all microphone positions MP 1 to MP 9*.

As stated in the "Executive Report" to this Appendix all data have been analysed regardless of occasional microphone drop-outs or the occurrence of external pressure disturbances which may distort the propeller noise-signature completely.

To avoid erroneous data interpretation, the following list summarizes all those data-points (within the total test-program) which should be deleted with respect to the microphone position indicated:

Microphone Position MP 3:

Delete analyses of Data Points BC-4
BC-5.

Microphone Position MP 6:

Subprogram	Delete analyses of Data Points
Basic Program	AN-1,2,3,4,5,7; BN-1,2,3,4,5,6,61,7 BC-1,2,3,4,5,6,61,7
Temperature Effect	HN-3; IN-1,2,3; JN-1,2,3; KN-1,2 HC-1,2; IC-1,2,3;
Attitude Effect	-
Installation Effect	FNC-7,8,9,10,11,12

* MP 8 has only been analysed for data points within the "Attitude-effect" test-program.

In addition, noise data acquired at microphone position MP 7 should be interpreted with care for such data-points which combine low propeller rotational speeds with high tunnel flow-velocities. Respective data are often disturbed due to the effects of microphone vibration. In each of these cases the respective averaged pressure-time history and the corresponding level-spectrum should be inspected carefully. If both data representations do not exhibit any periodic behaviour the respective analysis should not be interpreted.

On top of the averaged pressure-time history plot the number of averages as well as the magnitude of "disturbance-pressure- amplitudes" (which have been detected and deleted within the analysed time-interval) are indicated, the latter by ΔP. In case of completely distorted propeller noise signatures, ΔP generally assumes values of 496% (referenced to the minimum peak-to-peak pressure amplitude within the total number of propeller revolutions analysed). If even higher disturbance amplitudes occur, respective data analyses are marked by $\Delta P >$ *** and should be deleted. Lists of harmonic levels in this case often contain just one level-value for the fundamental frequency (HN=1) which then however has no physical meaning.

Therefore, data interpretation should not be solely based on the listing of harmonic levels. In particular, if only one harmonic level at HN=1 is listed, a careful inspection of the respective level-spectrum (as calculated from the averaged time-history) is necessary to ensure the physical relevance of this harmonic level.