

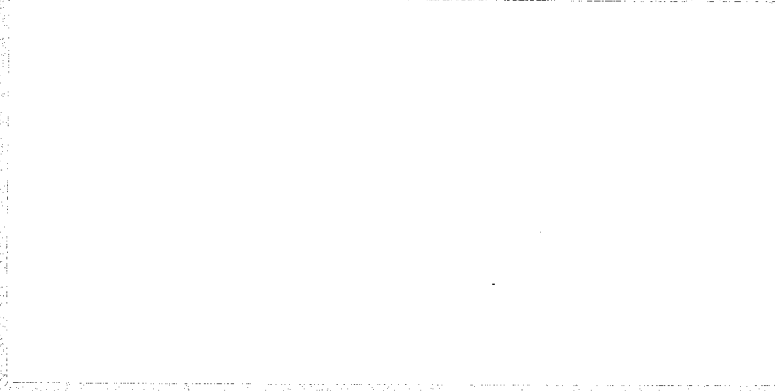
DS

880 855

LTV  
519  
French

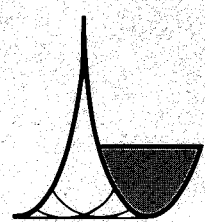
Std  
Metallic

7/75



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23 - Passenger Operations

DOT-FR-75-12

METROLINER TRUCK TEST  
RG-125.1

Ride Quality Analysis

Prepared for:

U.S. DEPARTMENT OF TRANSPORTATION  
Federal Railroad Administration  
2100 Second Street, S.W.  
Washington, D.C. 20590

July 1975

Prepared by:

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5408A Port Royal Road  
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## EXECUTIVE SUMMARY

This report contains the results of a comparison of ride quality data collected on Metroliner Cars 850 and 855. The comparison is made in terms of standard deviations and peak values of the recorded lateral, vertical and longitudinal acceleration and in terms of the International Standardization Organization ride quality standard.

## REVIEW STATEMENT

This report is intended for engineers and computer specialists who are concerned with ride quality evaluation.

## I. DATA COLLECTION

Ride quality data was collected on May 6, 1975, on Metroliner cars 850 and 855. The test zone was between Baltimore and Washington, milepost 95 to milepost 27. With the Portable Ride Quality package (PRQ) in car 850, a southbound run and northbound run were made over the test zone. Similarly a northbound and a southbound run were made with the PRQ in car 855. The speed profile for the southbound run with the PRQ in car 850 is shown in Figure 1. The consist configuration was with the 850 car leading the 855 car. Figure 2 shows the speed profile and the consist configuration for the northbound run for car 850. The corresponding information for car 855 is shown in Figure 3 and 4.

Sound level measurement inside the vehicles were also taken during the runs.

## II. DATA POST PROCESSING

The PRQ package records on magnetic tape the output of three linear and three angular accelerometers. In a play-back mode of operation the system provides analog signals with the following voltage scale.

<u>Channel</u>	<u>Acceleration Type</u>	<u>Scale</u>
1	Roll	$\pm 5 \text{ Rad/Sec}^2 = \pm 10 \text{ volts}$
2	Pitch	$\pm 1 \text{ Rad/Sec}^2 = \pm 10 \text{ volts}$
3	Yaw	$\pm 1 \text{ Rad/Sec}^2 = \pm 10 \text{ volts}$
4	Vertical	$\pm 1G = \pm 10 \text{ volts}$
5	Longitudinal	$\pm 1G = \pm 10 \text{ volts}$
6	Lateral	$\pm 1G = \pm 10 \text{ volts}$

The data was digitized using 100 Hz anti-aliasing filters and 256 Hz rate. A 12-bit word is provided in the digitizing process.

The digitized data was used to generate plots of the raw data for all four runs. From this presentation of the raw data and speed profile information segments of data for data reduction were selected. For the northbound runs, the data collected between milepost 36 and milepost 40 were reduced using the standard ride quality data reduction program. The output from this program is given in the Appendices.

The output of the program consist of

- Histogram Summary
- Standard Deviation
- Probability Density Estimate
- Distribution Function Estimate
- RMS Acceleration Plot
- International Standardization Organization (ISO) Ride Evaluation Format
- Power Spectral Density Plots

A summary of the results of the data reduction are shown in Table 1. The table contains the standard deviation for the three linear accelerations, information on peak values and ISO Reduced Comfort limits.

The information on peak values of the acceleration levels is presented in the form 99% confidence levels and 95%. The ISO data provide the exposure times based on the reduced comfort criteria and the frequency band which produced the exposure time. In all cases, the 850 car produces better ride quality performance than the 855 vehicle.

For the southbound run, the data collected between mileposts 83 and 87 were selected for data reduction. A summary of the results are given in Table 2. In all cases, the 850 vehicle provided better ride quality performance than the 855 vehicle.

Table 3 presents the sound level measurements taken during the run and a list of tapes used and records processed.

2TV/515

Table 1  
NORTHBOUND RUNS

		<u>Vertical</u>	<u>Longitudinal</u>	<u>Lateral</u>
St. Dev:				
850		.0307 g's	.0142 g's	.0242 g's
855		.0453 g's	.0261 g's	.0291 g's
99% Confidence Level:				
850	.5%	-.105 g's	-.048 g's	-.073 g's
	99.5%	.088 g's	.038 g's	.058 g's
855	.5%	-.139 g's	-.072 g's	-.0824 g's
	99.5%	.134 g's	.069 g's	.083 g's
95% Confidence Level:				
850	2.5%	-.069 g's	-.038 g's	-.056 g's
	97.5%	.05 g's	.018 g's	.038 g's
855	2.5%	-.095 g's	-.056 g's	-.062 g's
	97.5%	.083 g's	.046 g's	.056 g's
ISO Data - Reduced Comfort Limits				
850	Exposure Time (Hrs)	4.0	24.0	13.8
	Center Freq. Band	5 Hz	1 Hz	2 Hz
855	Exposure Time (Hrs)	2.6	24.0	9.2
	Center Freq. Band	5 Hz	1 Hz	2 Hz

Table 2

SOUTHBOUND RUNS

*Package in Middle of Car*

		<u>Vertical</u>	<u>Longitudinal</u>	<u>Lateral</u>
St. Dev:				
850		.0273 g's	.0134 g's	.0242 g's
855		.0399 g's	.0262 g's	.0298 g's
99% Confidence Level:				
850	.5%	-.096 g's	-.046 g's	-.077 g's
	99.5%	.077 g's	.024 g's	.063 g's
855	.5%	-.113 g's	-.072 g's	-.083 g's
	99.5%	.106 g's	.067 g's	.086 g's
95% Confidence Level:				
850	2.5%	-.06 g's	-.036 g's	-.056 g's
	97.5%	.044 g's	.011 g's	.039 g's
855	2.5%	-.084 g's	-.058 g's	-.064 g's
	97.5%	.074 g's	.066 g's	.086 g's
ISO Data - Reduced Comfort Limits				
850	Exposure Time (Hrs)	4.95	24.0	15.9
	Center Freq. Band	5 Hz	1 Hz	2 Hz
855	Exposure Time (Hrs)	4.36	24.0	8.78
	Center Freq. Band	5 Hz	1 Hz	1.3 Hz

Metroliner Truck Test RG-125.1

6 May 1975

Table 3

Sound Level Recordings Channel:	A	B	C
Union Station Car 850	65 db	73 db	82 db
Car 850 Southbound (90 mph)	68	81	91
Car 855 Southbound (MP 40)	68	74	85
Car 855 Southbound (MP 50)	70	76	83
Car 855 Southbound (MP 78)	70	79	92
Car 855 Northbound (MP 95)	65	75	83
Car 855 Northbound (MP 50)	68	75	88

<u>Test Tape</u>	<u>Analog Tape</u>	<u>Digital Tape</u>	<u>Contents</u>	<u>Records Processed</u>
1	TCA 023	MIS 008	Calibration	
1	TCA 023	MIS 011	South Car 850	2482-2610
1	TCA 023	MIS 012	North Car 850	3207-3335
2	TCA 024	MIS 010	South Car 855	3455-3583
2	TCA 024	MIS 009	North Car 855	3143-3271



Figure 1. Speed Profile

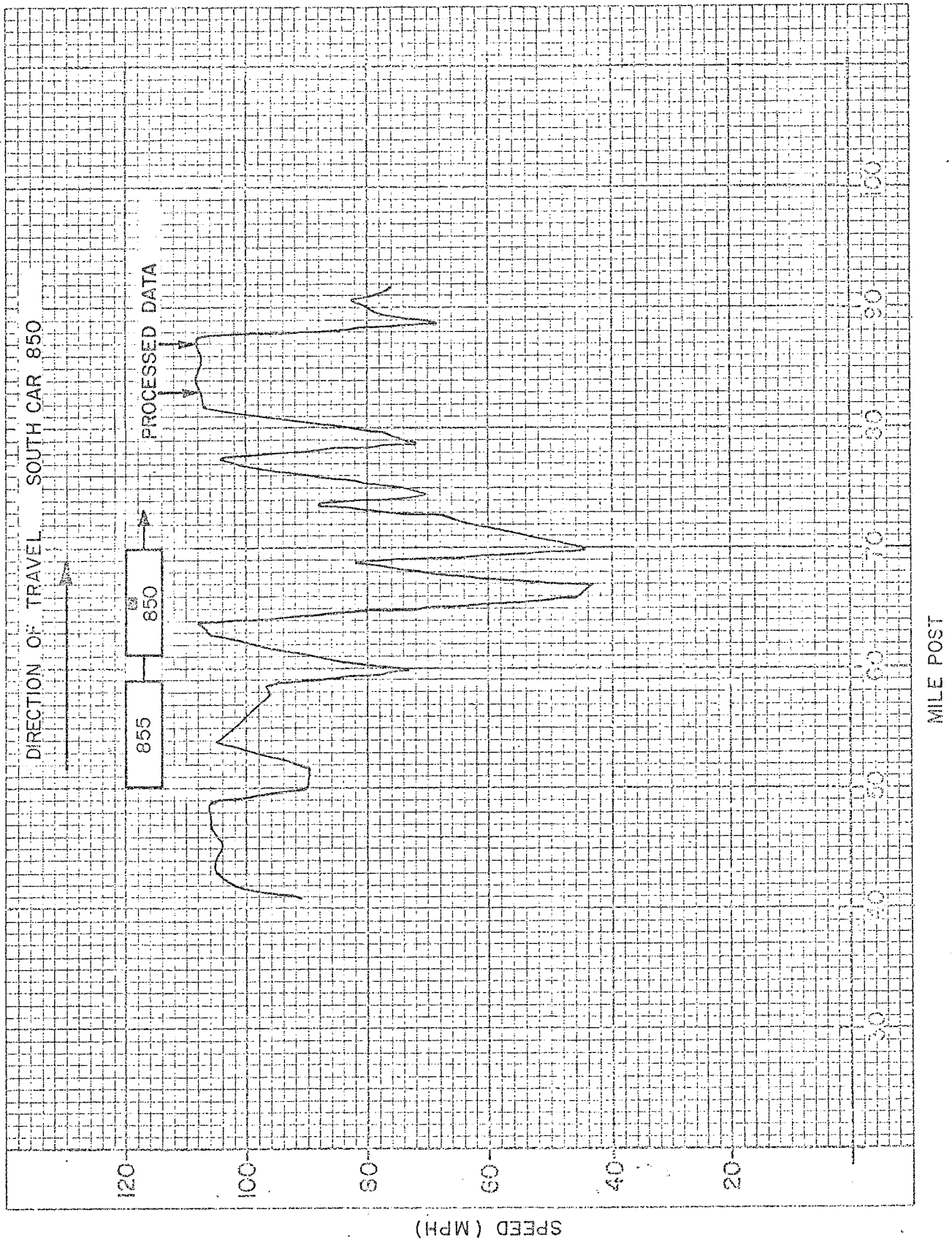


Figure 2. Speed Profile

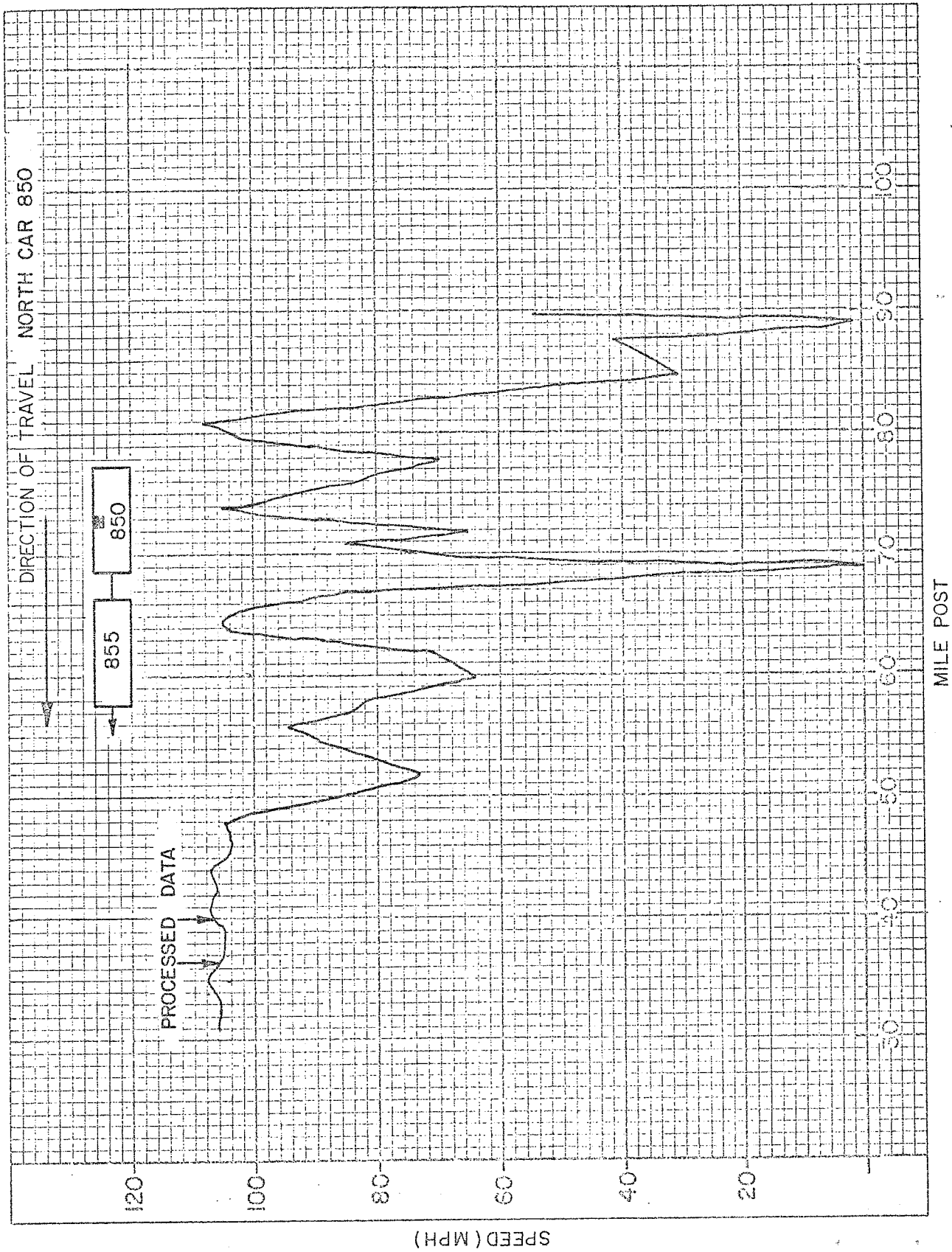


Figure 3. Speed Profile

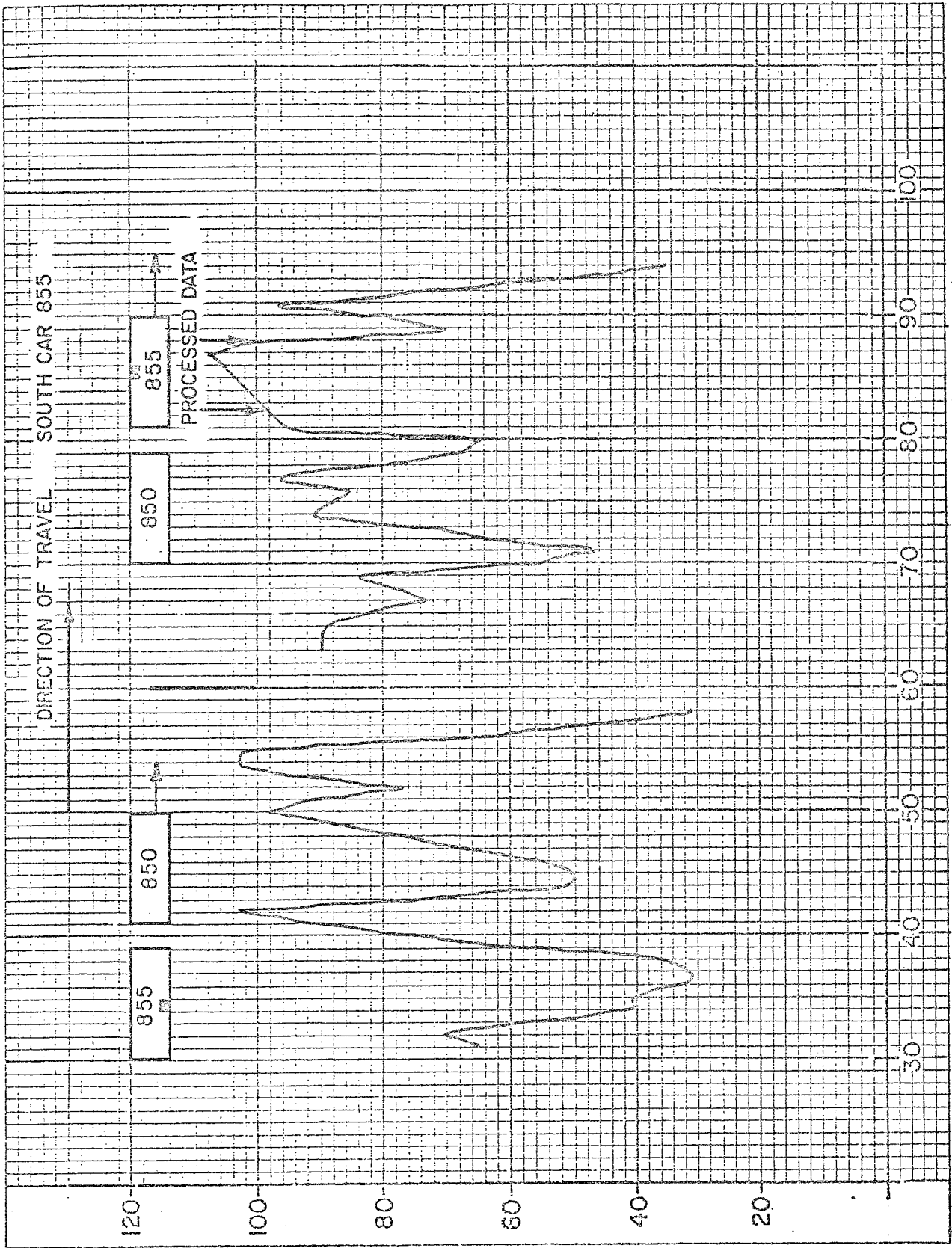
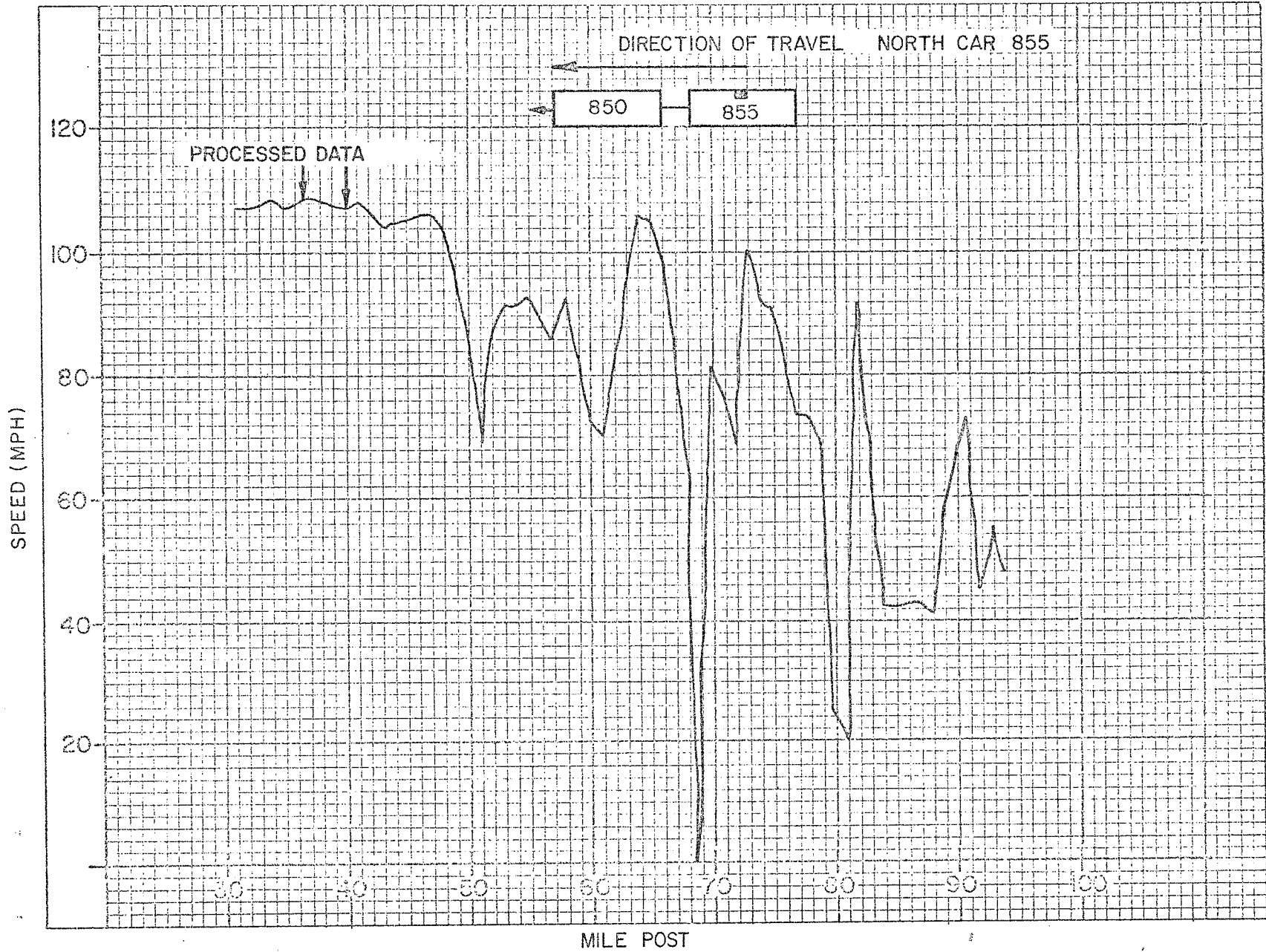


Figure 4. Speed Profile









PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TTA 023 Car 850 RECS: 2483-2610

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT(G's)	LONG. (G's)	LAT. (G's)
-5.00	0.00000	-1.00	0.00000	0.00000	0.00000	0.00000	0.00000
-4.95	0.00000	-0.99	0.00000	0.00000	0.00000	0.00000	0.00000
-4.90	0.00000	-0.98	0.00510	0.00000	0.00000	0.00000	0.00000
-4.85	0.00000	-0.97	0.00000	0.00000	0.00000	0.00000	0.00000
-4.80	0.00000	-0.96	0.00510	0.00000	0.00000	0.00000	0.00000
-4.75	0.00000	-0.95	0.00000	0.00000	0.00000	0.00000	0.00000
-4.70	0.00000	-0.94	0.00000	0.00000	0.00000	0.00000	0.00000
-4.65	0.00000	-0.93	0.00000	0.00000	0.00000	0.00000	0.00000
-4.60	0.00000	-0.92	0.00000	0.00000	0.00000	0.00000	0.00000
-4.55	0.00000	-0.91	0.00000	0.00000	0.00000	0.00000	0.00000
-4.50	0.00000	-0.90	0.00000	0.00000	0.00000	0.00000	0.00000
-4.45	0.00000	-0.89	0.00000	0.00000	0.00000	0.00000	0.00000
-4.40	0.00000	-0.88	0.00000	0.00000	0.00000	0.00000	0.00000
-4.35	0.00000	-0.87	0.00000	0.00000	0.00000	0.00000	0.00000
-4.30	0.00000	-0.86	0.00000	0.00000	0.00000	0.00000	0.00000
-4.25	0.00000	-0.85	0.00000	0.00000	0.00000	0.00000	0.00000
-4.20	0.00000	-0.84	0.00000	0.00000	0.00000	0.00000	0.00000
-4.15	0.00000	-0.83	0.00000	0.00000	0.00000	0.00000	0.00000
-4.10	0.00000	-0.82	0.00000	0.00000	0.00000	0.00000	0.00000
-4.05	0.00000	-0.81	0.00000	0.00000	0.00000	0.00000	0.00000
-4.00	0.00000	-0.80	0.00510	0.00000	0.00000	0.00000	0.00000
-3.95	0.00000	-0.79	0.00000	0.00000	0.00000	0.00000	0.00000
-3.90	0.00000	-0.78	0.00000	0.00000	0.00000	0.00000	0.00000
-3.85	0.00000	-0.77	0.00000	0.00000	0.00000	0.00000	0.00000
-3.80	0.00000	-0.76	0.01221	0.00000	0.00000	0.00000	0.00000
-3.75	0.00000	-0.75	0.00000	0.00000	0.00000	0.00000	0.00000
-3.70	0.00000	-0.74	0.00000	0.00000	0.00000	0.00000	0.00000
-3.65	0.00000	-0.73	0.00510	0.00000	0.00000	0.00000	0.00000
-3.60	0.00000	-0.72	0.01221	0.00000	0.00000	0.00000	0.00000
-3.55	0.00000	-0.71	0.00000	0.00000	0.00000	0.00000	0.00000
-3.50	0.00000	-0.70	0.00000	0.00000	0.00000	0.00000	0.00000
-3.45	0.00000	-0.69	0.00510	0.00000	0.00000	0.00000	0.00000
-3.40	0.00000	-0.68	0.00510	0.00000	0.00000	0.00000	0.00000
-3.35	0.00000	-0.67	0.00510	0.00000	0.00000	0.00000	0.00000
-3.30	0.00000	-0.66	0.00510	0.00000	0.00000	0.00000	0.00000
-3.25	0.00000	-0.65	0.02441	0.00000	0.00000	0.00000	0.00000
-3.20	0.00000	-0.64	0.01221	0.00000	0.00000	0.00000	0.00000
-3.15	0.00000	-0.63	0.02441	0.00000	0.00000	0.00000	0.00000
-3.10	0.00000	-0.62	0.04272	0.00000	0.00000	0.00000	0.00000
-3.05	0.00000	-0.61	0.01831	0.00000	0.00000	0.00000	0.00000
-3.00	0.00000	-0.60	0.02441	0.00000	0.00000	0.00000	0.00000
-2.95	0.00000	-0.59	0.00510	0.00000	0.00000	0.00000	0.00000
-2.90	0.00000	-0.58	0.01831	0.00000	0.00000	0.00000	0.00000
-2.85	0.00000	-0.57	0.03562	0.00000	0.00000	0.00000	0.00000
-2.80	0.00000	-0.56	0.04883	0.00000	0.00000	0.00000	0.00000
-2.75	0.00000	-0.55	0.03562	0.00000	0.00000	0.00000	0.00000
-2.70	0.00000	-0.54	0.03562	0.00000	0.00000	0.00000	0.00000
-2.65	0.00000	-0.53	0.01221	0.00000	0.00000	0.00000	0.00000
-2.60	0.00000	-0.52	0.08545	0.00000	0.00000	0.00000	0.00000
-2.55	0.00000	-0.51	0.04272	0.00000	0.00000	0.00000	0.00000
-2.50	0.00000	-0.50	0.14648	0.00000	0.00000	0.00000	0.00000
-2.45	0.00122	-0.49	0.04883	0.00000	0.00000	0.00000	0.00000
-2.40	0.00000	-0.48	0.14038	0.00000	0.00000	0.00000	0.00000
-2.35	0.00000	-0.47	0.12817	0.00000	0.00000	0.00000	0.00000
-2.30	0.00000	-0.46	0.18311	0.00000	0.00000	0.00000	0.00000
-2.25	0.00122	-0.45	0.18921	0.00000	0.00000	0.00000	0.00000
-2.20	0.00000	-0.44	0.17090	0.00000	0.00000	0.00000	0.00000
-2.15	0.00000	-0.43	0.18311	0.00000	0.00000	0.00000	0.00000
-2.10	0.00000	-0.42	0.22583	0.00000	0.00000	0.00000	0.00000
-2.05	0.00000	-0.41	0.22583	0.00000	0.00000	0.00000	0.00000
-2.00	0.00000	-0.40	0.26855	0.00000	0.00000	0.00000	0.00000
-1.95	0.00122	-0.39	0.32959	0.00000	0.00000	0.00000	0.00000
-1.90	0.00122	-0.38	0.37231	0.00000	0.00000	0.00000	0.00000
-1.85	0.00488	-0.37	0.43335	0.00000	0.00000	0.00000	0.00000
-1.80	0.00122	-0.36	0.46387	0.00000	0.00000	0.00000	0.00000
-1.75	0.00366	-0.35	0.36621	0.00000	0.00000	0.00000	0.00000
-1.70	0.00510	-0.34	0.46387	0.00000	0.00000	0.00000	0.00000
-1.65	0.00366	-0.33	0.67749	0.00000	0.00000	0.00000	0.00000
-1.60	0.00488	-0.32	0.68359	0.00000	0.00000	0.00000	0.00000
-1.55	0.00854	-0.31	0.65308	0.00000	0.00000	0.00000	0.00000
-1.50	0.02441	-0.30	0.79190	0.00000	0.00000	0.00000	0.00000
-1.45	0.01093	-0.29	0.75073	0.00000	0.00000	0.00000	0.00000
-1.40	0.00366	-0.28	0.97046	0.00000	0.00000	0.00000	0.00000
-1.35	0.04761	-0.27	0.84229	0.00000	0.00000	0.00000	0.00000
-1.30	0.06714	-0.26	0.94604	0.00000	0.00000	0.00000	0.00000
-1.25	0.04028	-0.25	1.14746	0.00000	0.00000	0.00000	0.00000
-1.20	0.08545	-0.24	1.04370	0.00000	0.00000	0.00000	0.00000
-1.15	0.12207	-0.23	1.15356	0.00000	0.00000	0.00000	0.00000
-1.10	0.11597	-0.22	1.22070	0.00000	0.00000	0.00000	0.00000
-1.05	0.14282	-0.21	1.39150	0.00000	0.00510	0.00000	0.00000
-1.00	0.16846	-0.20	1.30005	0.00000	0.00510	0.00000	0.00000
-0.95	0.20020	-0.19	1.44043	0.00000	0.01221	0.00000	0.00000
-0.90	0.23804	-0.18	1.49536	0.00610	0.00000	0.00000	0.00000
-0.85	0.24902	-0.17	1.52588	0.00000	0.01221	0.00000	0.00000
-0.80	0.29541	-0.16	1.64185	0.00000	0.02441	0.00000	0.00000
-0.75	0.32959	-0.15	1.60522	0.02441	0.02441	0.00000	0.00000
-0.70	0.37964	-0.14	1.56250	0.02441	0.02441	0.00000	0.00000
-0.65	0.42725	-0.13	1.64795	0.07324	0.00510	0.00000	0.01221
-0.60	0.45166	-0.12	1.59302	0.07324	0.05493	0.00000	0.03052
-0.55	0.46143	-0.11	1.80654	0.10985	0.12207	0.00000	0.04272
-0.50	0.51025	-0.10	1.83716	0.27465	0.11597	0.00000	0.13428
-0.45	0.57617	-0.09	1.86768	0.52490	0.21362	0.00000	0.20142
-0.40	0.60791	-0.08	1.80664	0.67749	0.32349	0.00000	0.42114
-0.35	0.56396	-0.07	1.77612	1.14135	0.59204	0.00000	0.97046
-0.30	0.62378	-0.06	1.66626	2.26440	1.13525	0.01221	2.42920
-0.25	0.64941	-0.05	1.77612	4.36401	2.74048	0.12207	4.44336
-0.20	0.66674	-0.04	1.75171	6.21338	5.55420	1.06201	8.97217
-0.15	0.63599	-0.03	1.68457	8.86841	9.31396	4.90723	13.7451
-0.10	0.64697	-0.02	1.75781	11.2426	13.3056	15.0939	18.0358
-0.05	0.65308	-0.01	1.96768	13.7634	16.7663	28.4362	



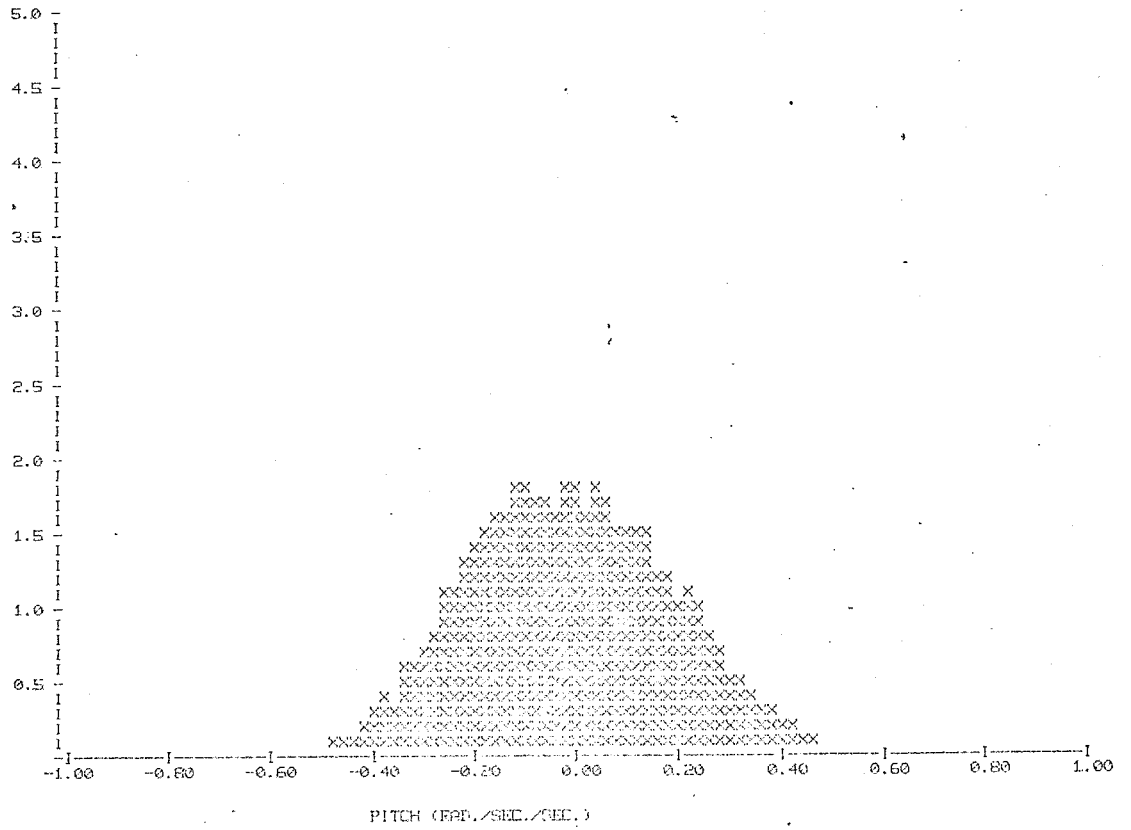
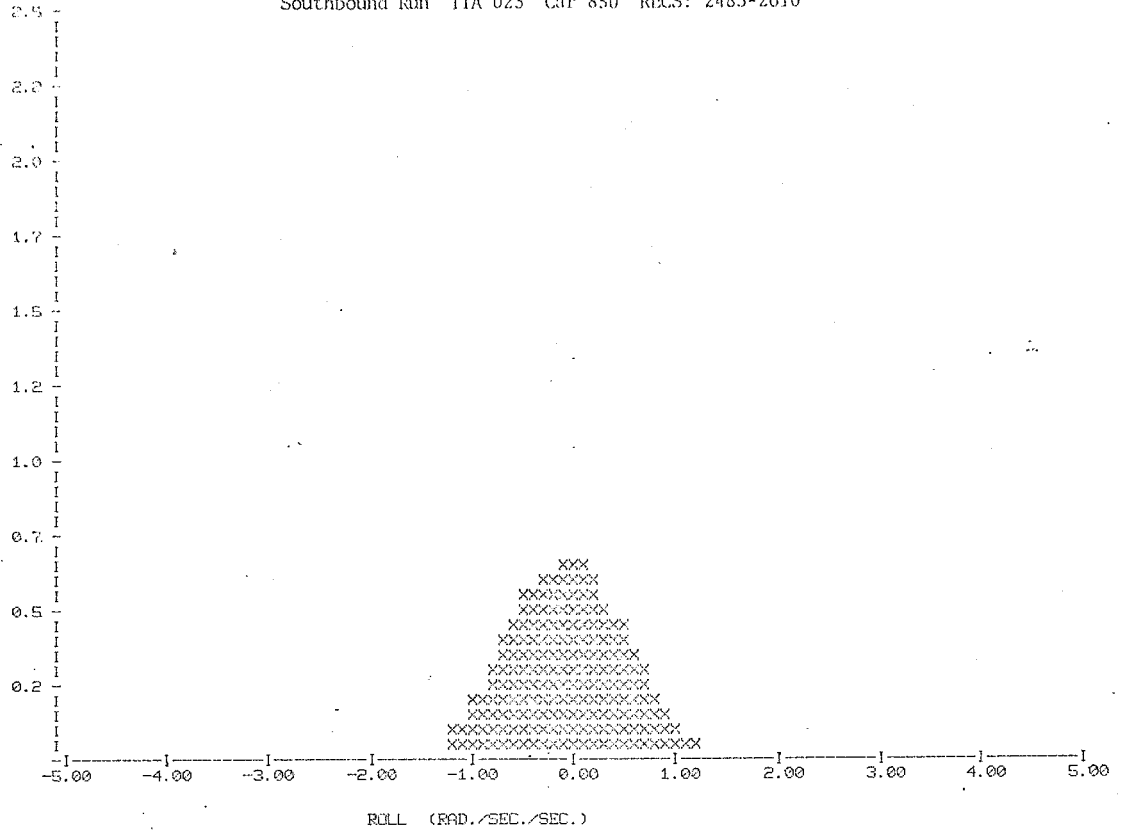
PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TTA 023 Car 850 RECS: 2483-2610

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
0.00	0.68359	0.00	1.85547	13.5742	16.3513	28.9856	17.4438
0.05	0.68970	0.01	1.89819	11.9384	13.3361	15.6921	14.3371
0.10	0.65063	0.02	1.70898	9.09424	9.13696	4.80347	9.08203
0.15	0.65186	0.03	1.63574	6.08521	5.00488	0.79346	5.14526
0.20	0.60669	0.04	1.86768	4.46167	2.82593	0.07935	2.27661
0.25	0.62012	0.05	1.81274	2.44751	1.23291	0.01221	1.15967
0.30	0.52612	0.06	1.80054	1.33667	0.67749	0.00000	0.51880
0.35	0.53467	0.07	1.70288	0.65918	0.36011	0.00000	0.22583
0.40	0.52734	0.08	1.75171	0.31128	0.28687	0.00000	0.20752
0.45	0.47363	0.09	1.53198	0.15479	0.15259	0.00000	0.07935
0.50	0.45776	0.10	1.90430	0.09766	0.09766	0.00000	0.03052
0.55	0.47485	0.11	1.55029	0.10376	0.10376	0.00000	0.02441
0.60	0.39673	0.12	1.63574	0.03662	0.03052	0.00000	0.00000
0.65	0.35645	0.13	1.51367	0.02441	0.01221	0.00000	0.00000
0.70	0.32471	0.14	1.48315	0.01831	0.02441	0.00000	0.00000
0.75	0.30151	0.15	1.57471	0.00000	0.00510	0.00000	0.00000
0.80	0.27100	0.16	1.30615	0.00000	0.00000	0.00000	0.00000
0.85	0.24536	0.17	1.27563	0.00000	0.00510	0.00000	0.00000
0.90	0.18921	0.18	1.31836	0.00000	0.00000	0.00000	0.00000
0.95	0.16113	0.19	1.28784	0.00000	0.00000	0.00000	0.00000
1.00	0.15137	0.20	1.28784	0.00000	0.00000	0.00000	0.00000
1.05	0.12939	0.21	1.06812	0.00000	0.00000	0.00000	0.00000
1.10	0.11841	0.22	1.08643	0.00000	0.00000	0.00000	0.00000
1.15	0.07446	0.23	1.12305	0.00000	0.00000	0.00000	0.00000
1.20	0.06592	0.24	0.93384	0.00000	0.00000	0.00000	0.00000
1.25	0.05127	0.25	1.00708	0.00000	0.00000	0.00000	0.00000
1.30	0.04639	0.26	0.87280	0.00000	0.00000	0.00000	0.00000
1.35	0.02563	0.27	0.84839	0.00000	0.00000	0.00000	0.00000
1.40	0.03784	0.28	0.77515	0.00000	0.00000	0.00000	0.00000
1.45	0.03052	0.29	0.72021	0.00000	0.00000	0.00000	0.00000
1.50	0.01465	0.30	0.68359	0.00000	0.00000	0.00000	0.00000
1.55	0.01221	0.31	0.54321	0.00000	0.00000	0.00000	0.00000
1.60	0.01567	0.32	0.65918	0.00000	0.00000	0.00000	0.00000
1.65	0.01099	0.33	0.53711	0.00000	0.00000	0.00000	0.00000
1.70	0.00610	0.34	0.46997	0.00000	0.00000	0.00000	0.00000
1.75	0.00000	0.35	0.47607	0.00000	0.00000	0.00000	0.00000
1.80	0.00244	0.36	0.39063	0.00000	0.00000	0.00000	0.00000
1.85	0.00000	0.37	0.32959	0.00000	0.00000	0.00000	0.00000
1.90	0.00122	0.38	0.36011	0.00000	0.00000	0.00000	0.00000
1.95	0.00000	0.39	0.34180	0.00000	0.00000	0.00000	0.00000
2.00	0.00122	0.40	0.25635	0.00000	0.00000	0.00000	0.00000
2.05	0.00122	0.41	0.24414	0.00000	0.00000	0.00000	0.00000
2.10	0.00000	0.42	0.26855	0.00000	0.00000	0.00000	0.00000
2.15	0.00000	0.43	0.24414	0.00000	0.00000	0.00000	0.00000
2.20	0.00000	0.44	0.11597	0.00000	0.00000	0.00000	0.00000
2.25	0.00000	0.45	0.11597	0.00000	0.00000	0.00000	0.00000
2.30	0.00000	0.46	0.11597	0.00000	0.00000	0.00000	0.00000
2.35	0.00000	0.47	0.13428	0.00000	0.00000	0.00000	0.00000
2.40	0.00000	0.48	0.12817	0.00000	0.00000	0.00000	0.00000
2.45	0.00122	0.49	0.09766	0.00000	0.00000	0.00000	0.00000
2.50	0.00000	0.50	0.04883	0.00000	0.00000	0.00000	0.00000
2.55	0.00000	0.51	0.07935	0.00000	0.00000	0.00000	0.00000
2.60	0.00000	0.52	0.08545	0.00000	0.00000	0.00000	0.00000
2.65	0.00000	0.53	0.07324	0.00000	0.00000	0.00000	0.00000
2.70	0.00122	0.54	0.06104	0.00000	0.00000	0.00000	0.00000
2.75	0.00000	0.55	0.06104	0.00000	0.00000	0.00000	0.00000
2.80	0.00000	0.56	0.05493	0.00000	0.00000	0.00000	0.00000
2.85	0.00000	0.57	0.04883	0.00000	0.00000	0.00000	0.00000
2.90	0.00000	0.58	0.01831	0.00000	0.00000	0.00000	0.00000
2.95	0.00000	0.59	0.03052	0.00000	0.00000	0.00000	0.00000
3.00	0.00000	0.60	0.02441	0.00000	0.00000	0.00000	0.00000
3.05	0.00000	0.61	0.03052	0.00000	0.00000	0.00000	0.00000
3.10	0.00000	0.62	0.01221	0.00000	0.00000	0.00000	0.00000
3.15	0.00000	0.63	0.03562	0.00000	0.00000	0.00000	0.00000
3.20	0.00000	0.64	0.02441	0.00000	0.00000	0.00000	0.00000
3.25	0.00000	0.65	0.03562	0.00000	0.00000	0.00000	0.00000
3.30	0.00122	0.66	0.01831	0.00000	0.00000	0.00000	0.00000
3.35	0.00000	0.67	0.01831	0.00000	0.00000	0.00000	0.00000
3.40	0.00000	0.68	0.00610	0.00000	0.00000	0.00000	0.00000
3.45	0.00000	0.69	0.00610	0.00000	0.00000	0.00000	0.00000
3.50	0.00000	0.70	0.00610	0.00000	0.00000	0.00000	0.00000
3.55	0.00000	0.71	0.00610	0.00000	0.00000	0.00000	0.00000
3.60	0.00000	0.72	0.00610	0.00000	0.00000	0.00000	0.00000
3.65	0.00000	0.73	0.01221	0.00000	0.00000	0.00000	0.00000
3.70	0.00000	0.74	0.00000	0.00000	0.00000	0.00000	0.00000
3.75	0.00000	0.75	0.00610	0.00000	0.00000	0.00000	0.00000
3.80	0.00000	0.76	0.00000	0.00000	0.00000	0.00000	0.00000
3.85	0.00000	0.77	0.00610	0.00000	0.00000	0.00000	0.00000
3.90	0.00000	0.78	0.00610	0.00000	0.00000	0.00000	0.00000
3.95	0.00000	0.79	0.01221	0.00000	0.00000	0.00000	0.00000
4.00	0.00000	0.80	0.00000	0.00000	0.00000	0.00000	0.00000
4.05	0.00000	0.81	0.00610	0.00000	0.00000	0.00000	0.00000
4.10	0.00000	0.82	0.00610	0.00000	0.00000	0.00000	0.00000
4.15	0.00000	0.83	0.00610	0.00000	0.00000	0.00000	0.00000
4.20	0.00000	0.84	0.00000	0.00000	0.00000	0.00000	0.00000
4.25	0.00000	0.85	0.00610	0.00000	0.00000	0.00000	0.00000
4.30	0.00000	0.86	0.00000	0.00000	0.00000	0.00000	0.00000
4.35	0.00000	0.87	0.00000	0.00000	0.00000	0.00000	0.00000
4.40	0.00000	0.88	0.00000	0.00000	0.00000	0.00000	0.00000
4.45	0.00000	0.89	0.00000	0.00000	0.00000	0.00000	0.00000
4.50	0.00000	0.90	0.00000	0.00000	0.00000	0.00000	0.00000
4.55	0.00000	0.91	0.00000	0.00000	0.00000	0.00000	0.00000
4.60	0.00000	0.92	0.00000	0.00000	0.00000	0.00000	0.00000
4.65	0.00000	0.93	0.00000	0.00000	0.00000	0.00000	0.00000
4.70	0.00000	0.94	0.00000	0.00000	0.00000	0.00000	0.00000
4.75	0.00000	0.95	0.00000	0.00000	0.00000	0.00000	0.00000
4.80	0.00000	0.96	0.00000	0.00000	0.00000	0.00000	0.00000
4.85	0.00000	0.97	0.00000	0.00000	0.00000	0.00000	0.00000
4.90	0.00000	0.98	0.00000	0.00000	0.00000	0.00000	0.00000
4.95	0.00000	0.99	0.01221	0.00000	0.00000	0.00000	0.00000

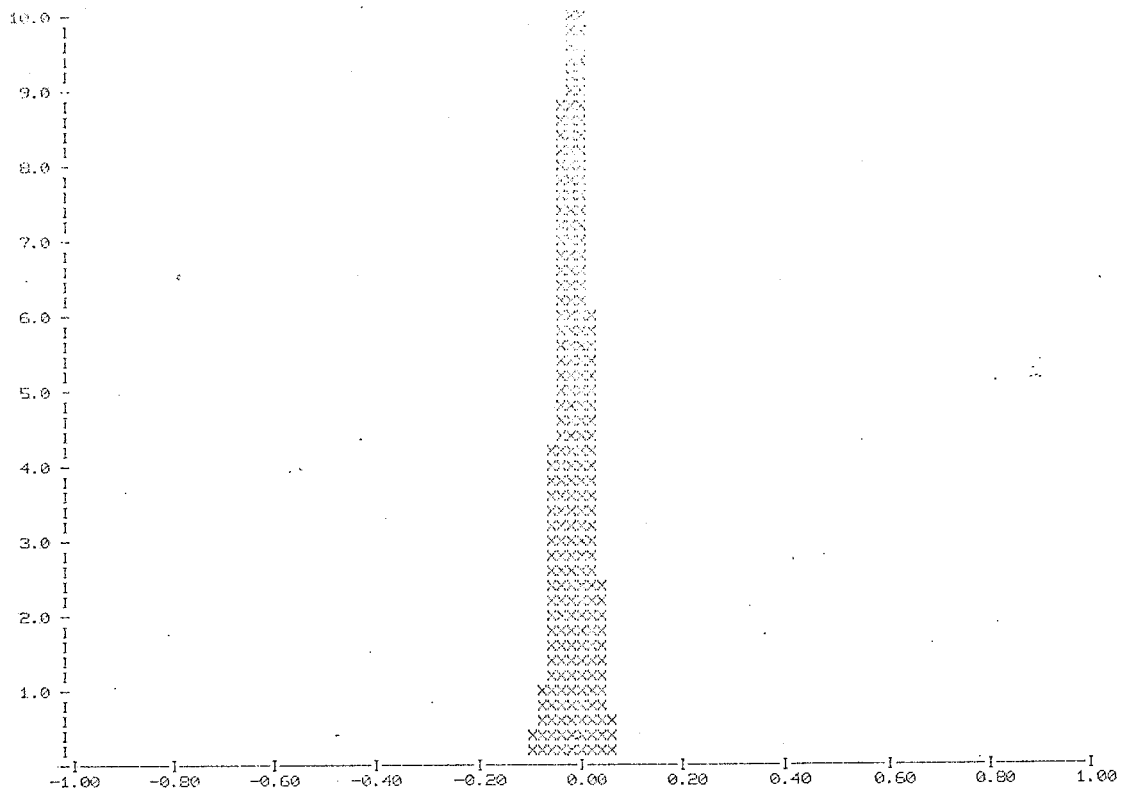
PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TIA 023 Car 850 RECS: 2483-2610

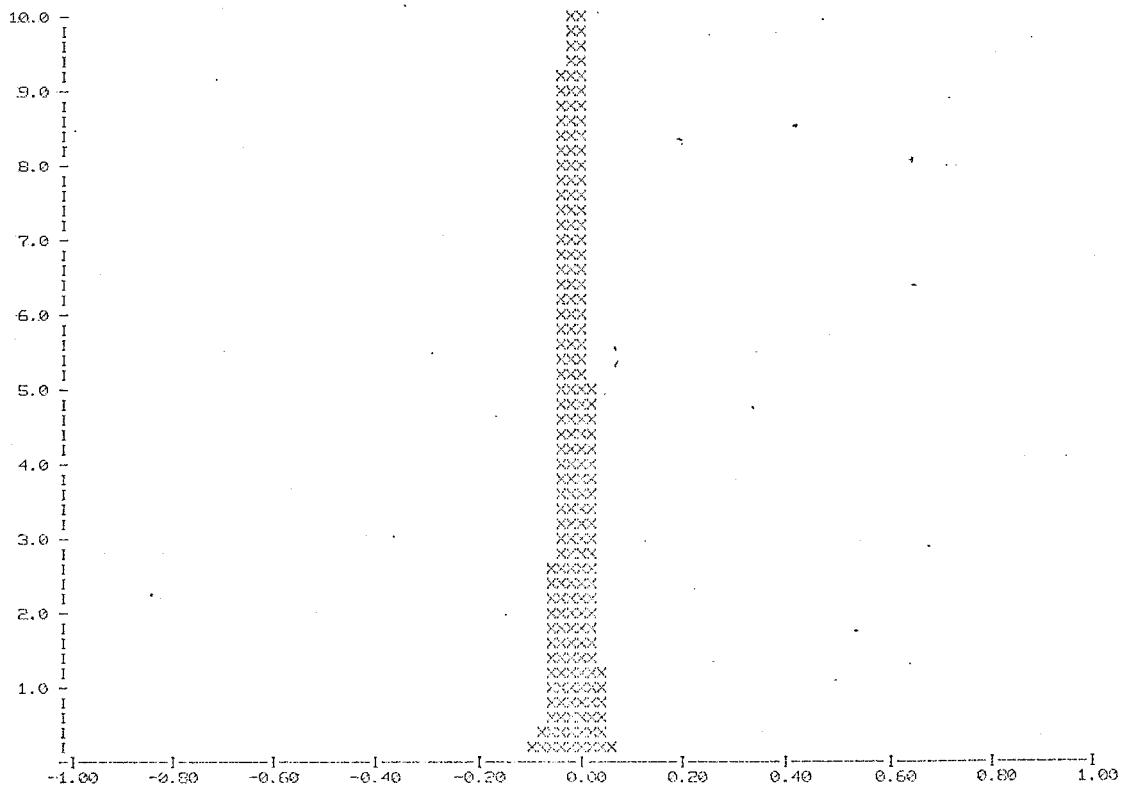


PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1. 6 May 75, 256 Hz  
Southbound Run TIA 025 Car 850 RECS: 2483-2610



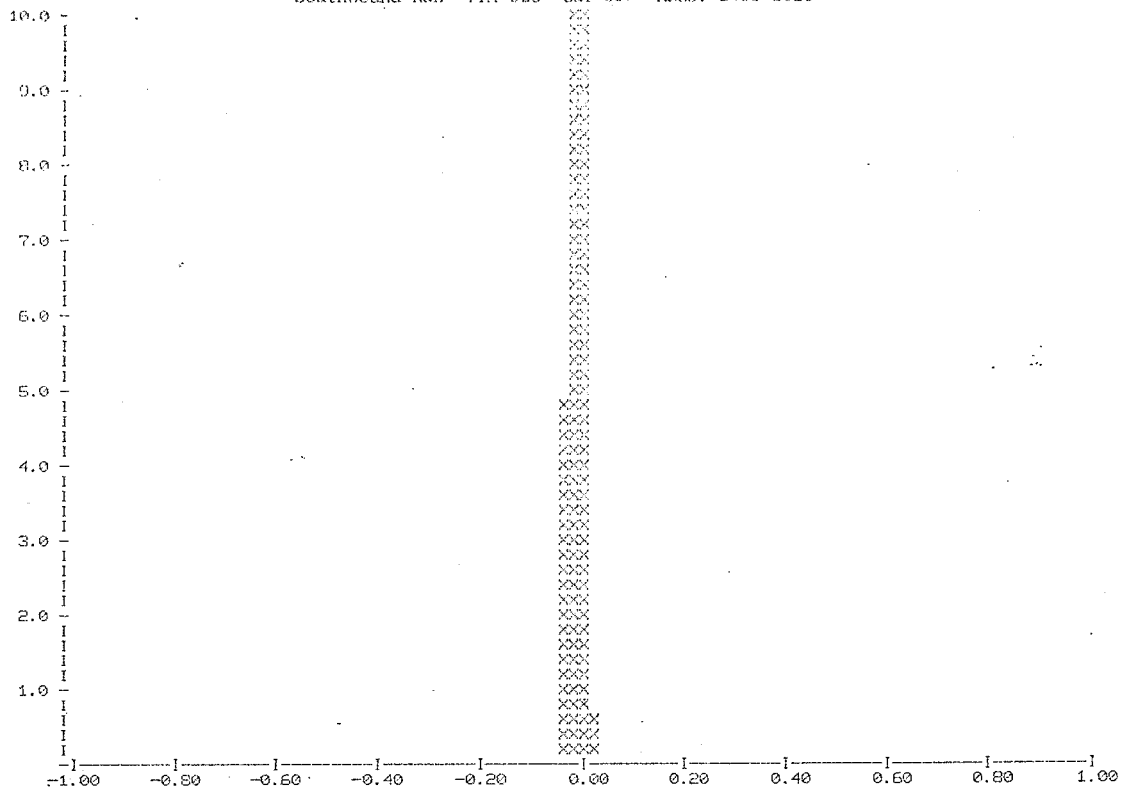
YAW (RAD./SEC./SEC.)



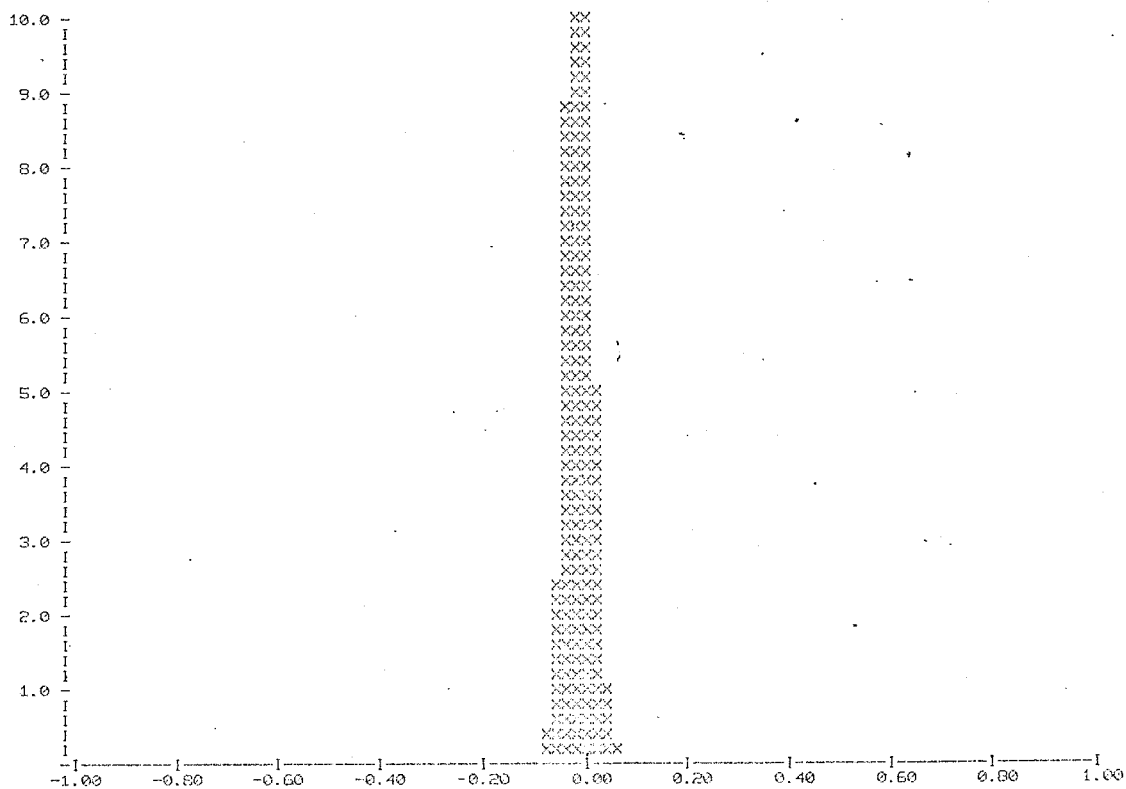
VEPT. ACCELERATION (G'S)

PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TTA 023 Car 850 RICS: 2483-2610



LONG. ACCELERATION (G'S)



LAT. ACCELERATION (G'S)

DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1. 6 May 75, 256 Hz  
 Southbound Run TTA 023 Car 850 RECS: 2483-2610

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.00000	-1.00	0.00000	0.00000	0.00000	0.00000	0.00000
-4.95	0.00000	-0.99	0.00000	0.00000	0.00000	0.00000	0.00000
-4.90	0.00000	-0.98	0.00006	0.00000	0.00000	0.00000	0.00000
-4.85	0.00000	-0.97	0.00006	0.00000	0.00000	0.00000	0.00000
-4.80	0.00000	-0.96	0.00012	0.00000	0.00000	0.00000	0.00000
-4.75	0.00000	-0.95	0.00012	0.00000	0.00000	0.00000	0.00000
-4.70	0.00000	-0.94	0.00012	0.00000	0.00000	0.00000	0.00000
-4.65	0.00000	-0.93	0.00012	0.00000	0.00000	0.00000	0.00000
-4.60	0.00000	-0.92	0.00012	0.00000	0.00000	0.00000	0.00000
-4.55	0.00000	-0.91	0.00012	0.00000	0.00000	0.00000	0.00000
-4.50	0.00000	-0.90	0.00012	0.00000	0.00000	0.00000	0.00000
-4.45	0.00000	-0.89	0.00012	0.00000	0.00000	0.00000	0.00000
-4.40	0.00000	-0.88	0.00012	0.00000	0.00000	0.00000	0.00000
-4.35	0.00000	-0.87	0.00012	0.00000	0.00000	0.00000	0.00000
-4.30	0.00000	-0.86	0.00012	0.00000	0.00000	0.00000	0.00000
-4.25	0.00000	-0.85	0.00012	0.00000	0.00000	0.00000	0.00000
-4.20	0.00000	-0.84	0.00012	0.00000	0.00000	0.00000	0.00000
-4.15	0.00000	-0.83	0.00012	0.00000	0.00000	0.00000	0.00000
-4.10	0.00000	-0.82	0.00012	0.00000	0.00000	0.00000	0.00000
-4.05	0.00000	-0.81	0.00012	0.00000	0.00000	0.00000	0.00000
-4.00	0.00000	-0.80	0.00018	0.00000	0.00000	0.00000	0.00000
-3.95	0.00000	-0.79	0.00018	0.00000	0.00000	0.00000	0.00000
-3.90	0.00000	-0.78	0.00018	0.00000	0.00000	0.00000	0.00000
-3.85	0.00000	-0.77	0.00018	0.00000	0.00000	0.00000	0.00000
-3.80	0.00000	-0.76	0.00031	0.00000	0.00000	0.00000	0.00000
-3.75	0.00000	-0.75	0.00031	0.00000	0.00000	0.00000	0.00000
-3.70	0.00000	-0.74	0.00031	0.00000	0.00000	0.00000	0.00000
-3.65	0.00000	-0.73	0.00037	0.00000	0.00000	0.00000	0.00000
-3.60	0.00000	-0.72	0.00049	0.00000	0.00000	0.00000	0.00000
-3.55	0.00000	-0.71	0.00049	0.00000	0.00000	0.00000	0.00000
-3.50	0.00000	-0.70	0.00049	0.00000	0.00000	0.00000	0.00000
-3.45	0.00000	-0.69	0.00055	0.00000	0.00000	0.00000	0.00000
-3.40	0.00000	-0.68	0.00061	0.00000	0.00000	0.00000	0.00000
-3.35	0.00000	-0.67	0.00067	0.00000	0.00000	0.00000	0.00000
-3.30	0.00000	-0.66	0.00073	0.00000	0.00000	0.00000	0.00000
-3.25	0.00000	-0.65	0.00098	0.00000	0.00000	0.00000	0.00000
-3.20	0.00000	-0.64	0.00110	0.00000	0.00000	0.00000	0.00000
-3.15	0.00000	-0.63	0.00134	0.00000	0.00000	0.00000	0.00000
-3.10	0.00000	-0.62	0.00177	0.00000	0.00000	0.00000	0.00000
-3.05	0.00000	-0.61	0.00195	0.00000	0.00000	0.00000	0.00000
-3.00	0.00000	-0.60	0.00220	0.00000	0.00000	0.00000	0.00000
-2.95	0.00000	-0.59	0.00226	0.00000	0.00000	0.00000	0.00000
-2.90	0.00000	-0.58	0.00244	0.00000	0.00000	0.00000	0.00000
-2.85	0.00000	-0.57	0.00281	0.00000	0.00000	0.00000	0.00000
-2.80	0.00000	-0.56	0.00330	0.00000	0.00000	0.00000	0.00000
-2.75	0.00000	-0.55	0.00366	0.00000	0.00000	0.00000	0.00000
-2.70	0.00000	-0.54	0.00403	0.00000	0.00000	0.00000	0.00000
-2.65	0.00000	-0.53	0.00415	0.00000	0.00000	0.00000	0.00000
-2.60	0.00000	-0.52	0.00500	0.00000	0.00000	0.00000	0.00000
-2.55	0.00000	-0.51	0.00543	0.00000	0.00000	0.00000	0.00000
-2.50	0.00000	-0.50	0.00550	0.00000	0.00000	0.00000	0.00000
-2.45	0.00006	-0.49	0.00739	0.00000	0.00000	0.00000	0.00000
-2.40	0.00006	-0.48	0.00879	0.00000	0.00000	0.00000	0.00000
-2.35	0.00006	-0.47	0.01007	0.00000	0.00000	0.00000	0.00000
-2.30	0.00006	-0.46	0.01190	0.00000	0.00000	0.00000	0.00000
-2.25	0.00012	-0.45	0.01379	0.00000	0.00000	0.00000	0.00000
-2.20	0.00012	-0.44	0.01550	0.00000	0.00000	0.00000	0.00000
-2.15	0.00012	-0.43	0.01733	0.00000	0.00000	0.00000	0.00000
-2.10	0.00012	-0.42	0.01959	0.00000	0.00000	0.00000	0.00000
-2.05	0.00012	-0.41	0.02185	0.00000	0.00000	0.00000	0.00000
-2.00	0.00012	-0.40	0.02454	0.00000	0.00000	0.00000	0.00000
-1.95	0.00018	-0.39	0.02783	0.00000	0.00000	0.00000	0.00000
-1.90	0.00024	-0.38	0.03155	0.00000	0.00000	0.00000	0.00000
-1.85	0.00049	-0.37	0.03589	0.00000	0.00000	0.00000	0.00000
-1.80	0.00055	-0.36	0.04053	0.00000	0.00000	0.00000	0.00000
-1.75	0.00073	-0.35	0.04419	0.00000	0.00000	0.00000	0.00000
-1.70	0.00104	-0.34	0.04883	0.00000	0.00000	0.00000	0.00000
-1.65	0.00122	-0.33	0.05560	0.00000	0.00000	0.00000	0.00000
-1.60	0.00146	-0.32	0.06244	0.00000	0.00000	0.00000	0.00000
-1.55	0.00189	-0.31	0.06897	0.00000	0.00000	0.00000	0.00000
-1.50	0.00311	-0.30	0.07599	0.00000	0.00000	0.00000	0.00000
-1.45	0.00366	-0.29	0.08350	0.00000	0.00000	0.00000	0.00000
-1.40	0.00549	-0.28	0.09320	0.00000	0.00000	0.00000	0.00000
-1.35	0.00787	-0.27	0.10162	0.00000	0.00000	0.00000	0.00000
-1.30	0.01123	-0.26	0.11109	0.00000	0.00000	0.00000	0.00000
-1.25	0.01324	-0.25	0.12256	0.00000	0.00000	0.00000	0.00000
-1.20	0.01752	-0.24	0.13300	0.00000	0.00000	0.00000	0.00000
-1.15	0.02363	-0.23	0.14453	0.00000	0.00000	0.00000	0.00000
-1.10	0.02942	-0.22	0.15674	0.00000	0.00000	0.00000	0.00000
-1.05	0.03656	-0.21	0.17065	0.00000	0.00000	0.00000	0.00000
-1.00	0.04498	-0.20	0.18365	0.00000	0.00012	0.00000	0.00000
-0.95	0.05499	-0.19	0.19206	0.00000	0.00024	0.00000	0.00000
-0.90	0.06689	-0.18	0.21301	0.00006	0.00024	0.00000	0.00000
-0.85	0.07935	-0.17	0.22827	0.00006	0.00037	0.00000	0.00000
-0.80	0.09412	-0.16	0.24469	0.00006	0.00061	0.00000	0.00000
-0.75	0.11060	-0.15	0.26074	0.00031	0.00085	0.00000	0.00000
-0.70	0.12958	-0.14	0.27637	0.00055	0.00110	0.00000	0.00000
-0.65	0.15094	-0.13	0.29285	0.00123	0.00116	0.00000	0.00012
-0.60	0.17352	-0.12	0.30878	0.00201	0.00171	0.00000	0.00043
-0.55	0.19659	-0.11	0.32684	0.00311	0.00293	0.00000	0.00073
-0.50	0.22211	-0.10	0.34521	0.00586	0.00409	0.00000	0.00116
-0.45	0.25092	-0.09	0.36339	0.01111	0.00623	0.00000	0.00250
-0.40	0.28131	-0.08	0.38196	0.01783	0.00846	0.00000	0.00452
-0.35	0.30951	-0.07	0.39972	0.02930	0.01533	0.00000	0.00873
-0.30	0.34070	-0.06	0.41638	0.05194	0.02673	0.00012	0.01843
-0.25	0.37317	-0.05	0.43414	0.09559	0.05414	0.00134	0.04272
-0.20	0.40601	-0.04	0.45166	0.15771	0.10508	0.01196	0.08716
-0.15	0.43781	-0.03	0.46851	0.24640	0.20782	0.06104	0.17688
-0.10	0.47015	-0.02	0.48503	0.39833	0.33588	0.21198	0.31433
-0.05	0.50281	-0.01	0.50476	0.49646	0.50354	0.49634	0.49469

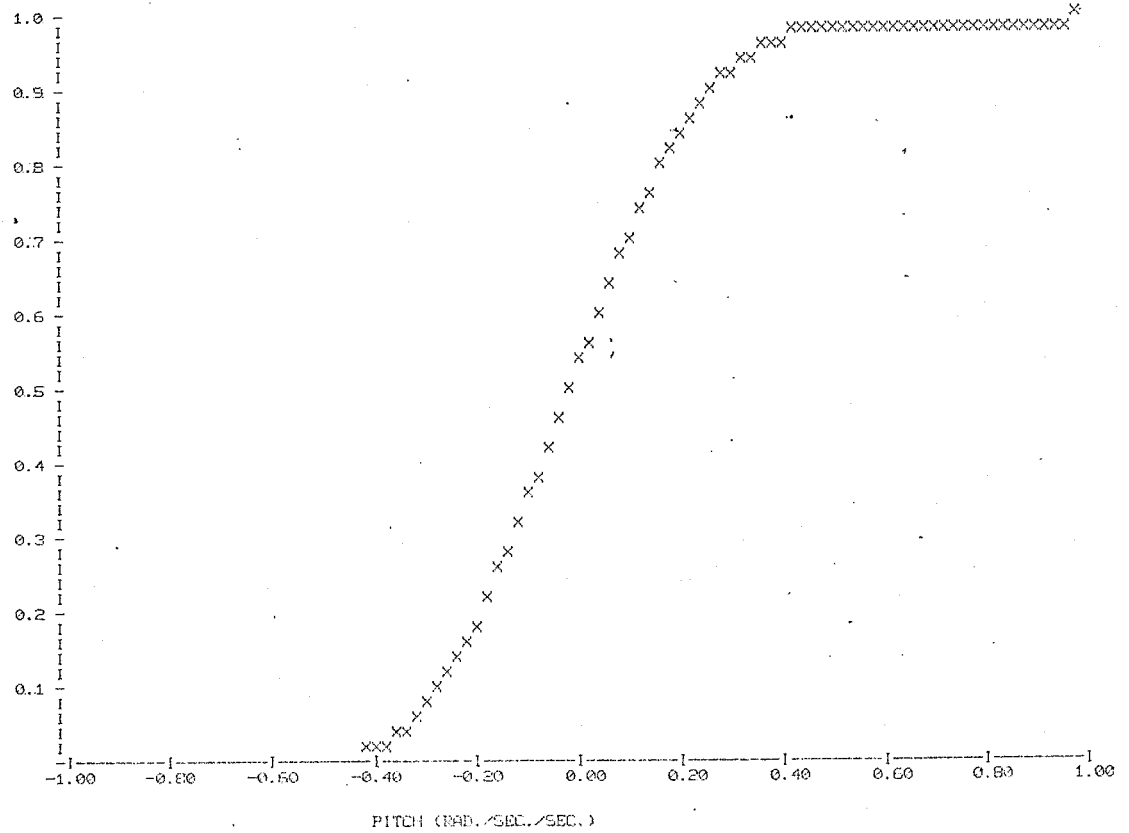
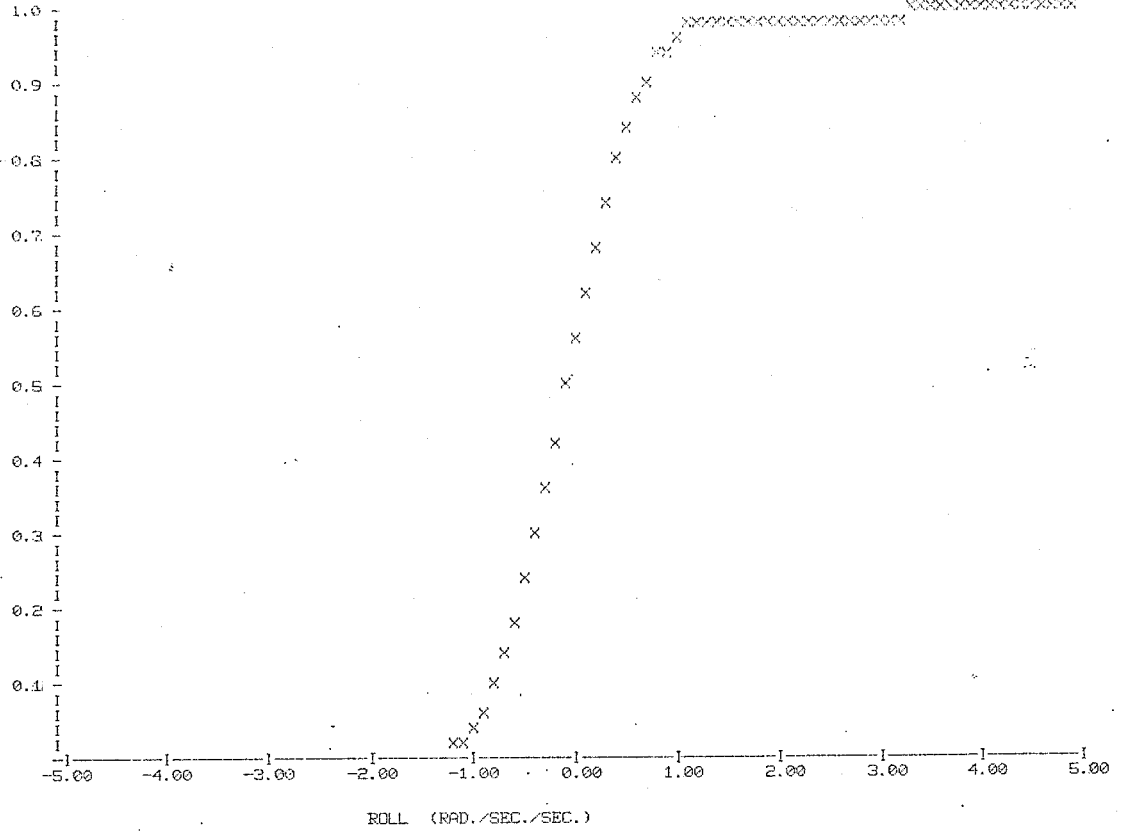
DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TTA 023 Car 850 RECS: 2483-2610

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
0.00	0.53699	0.00	0.52332	0.63220	0.66705	0.78619	0.66913
0.05	0.57147	0.01	0.54230	0.75159	0.80042	0.94312	0.81250
0.10	0.60400	0.02	0.55939	0.84253	0.89178	0.99115	0.90332
0.15	0.63660	0.03	0.57574	0.90338	0.94183	0.99908	0.95477
0.20	0.66693	0.04	0.59442	0.94800	0.97009	0.99988	0.97754
0.25	0.69794	0.05	0.61255	0.97247	0.98242	1.00000	0.98914
0.30	0.72424	0.06	0.63055	0.98584	0.98920	1.00000	0.99432
0.35	0.75098	0.07	0.64758	0.99243	0.99280	1.00000	0.99558
0.40	0.77354	0.08	0.66510	0.99554	0.99567	1.00000	0.99566
0.45	0.80103	0.09	0.68042	0.99719	0.99719	1.00000	0.99945
0.50	0.82391	0.10	0.69345	0.99917	0.99917	1.00000	0.99976
0.55	0.84765	0.11	0.71497	0.99921	0.99921	1.00000	1.00000
0.60	0.86749	0.12	0.73132	0.99957	0.99951	1.00000	1.00000
0.65	0.88531	0.13	0.74646	0.99982	0.99963	1.00000	1.00000
0.70	0.90155	0.14	0.76129	1.00000	0.99968	1.00000	1.00000
0.75	0.91663	0.15	0.77704	1.00000	0.99994	1.00000	1.00000
0.80	0.93018	0.16	0.79010	1.00000	0.99994	1.00000	1.00000
0.85	0.94244	0.17	0.80285	1.00000	1.00000	1.00000	1.00000
0.90	0.95190	0.18	0.81604	1.00000	1.00000	1.00000	1.00000
0.95	0.95995	0.19	0.82892	1.00000	1.00000	1.00000	1.00000
1.00	0.96753	0.20	0.84180	1.00000	1.00000	1.00000	1.00000
1.05	0.97400	0.21	0.85248	1.00000	1.00000	1.00000	1.00000
1.10	0.97992	0.22	0.86334	1.00000	1.00000	1.00000	1.00000
1.15	0.98364	0.23	0.87457	1.00000	1.00000	1.00000	1.00000
1.20	0.98694	0.24	0.88391	1.00000	1.00000	1.00000	1.00000
1.25	0.98950	0.25	0.89399	1.00000	1.00000	1.00000	1.00000
1.30	0.99162	0.26	0.90271	1.00000	1.00000	1.00000	1.00000
1.35	0.99310	0.27	0.91119	1.00000	1.00000	1.00000	1.00000
1.40	0.99500	0.28	0.91895	1.00000	1.00000	1.00000	1.00000
1.45	0.99652	0.29	0.92615	1.00000	1.00000	1.00000	1.00000
1.50	0.99725	0.30	0.93298	1.00000	1.00000	1.00000	1.00000
1.55	0.99786	0.31	0.93842	1.00000	1.00000	1.00000	1.00000
1.60	0.99866	0.32	0.94450	1.00000	1.00000	1.00000	1.00000
1.65	0.99921	0.33	0.95038	1.00000	1.00000	1.00000	1.00000
1.70	0.99951	0.34	0.95508	1.00000	1.00000	1.00000	1.00000
1.75	0.99951	0.35	0.95984	1.00000	1.00000	1.00000	1.00000
1.80	0.99963	0.36	0.96375	1.00000	1.00000	1.00000	1.00000
1.85	0.99963	0.37	0.96704	1.00000	1.00000	1.00000	1.00000
1.90	0.99963	0.38	0.97064	1.00000	1.00000	1.00000	1.00000
1.95	0.99969	0.39	0.97406	1.00000	1.00000	1.00000	1.00000
2.00	0.99976	0.40	0.97652	1.00000	1.00000	1.00000	1.00000
2.05	0.99982	0.41	0.97906	1.00000	1.00000	1.00000	1.00000
2.10	0.99982	0.42	0.98175	1.00000	1.00000	1.00000	1.00000
2.15	0.99982	0.43	0.98419	1.00000	1.00000	1.00000	1.00000
2.20	0.99982	0.44	0.98535	1.00000	1.00000	1.00000	1.00000
2.25	0.99982	0.45	0.98651	1.00000	1.00000	1.00000	1.00000
2.30	0.99982	0.46	0.98757	1.00000	1.00000	1.00000	1.00000
2.35	0.99982	0.47	0.98901	1.00000	1.00000	1.00000	1.00000
2.40	0.99982	0.48	0.99030	1.00000	1.00000	1.00000	1.00000
2.45	0.99983	0.49	0.99127	1.00000	1.00000	1.00000	1.00000
2.50	0.99983	0.50	0.99176	1.00000	1.00000	1.00000	1.00000
2.55	0.99983	0.51	0.99255	1.00000	1.00000	1.00000	1.00000
2.60	0.99983	0.52	0.99341	1.00000	1.00000	1.00000	1.00000
2.65	0.99983	0.53	0.99414	1.00000	1.00000	1.00000	1.00000
2.70	0.99994	0.54	0.99475	1.00000	1.00000	1.00000	1.00000
2.75	0.99994	0.55	0.99536	1.00000	1.00000	1.00000	1.00000
2.80	0.99994	0.56	0.99591	1.00000	1.00000	1.00000	1.00000
2.85	0.99994	0.57	0.99640	1.00000	1.00000	1.00000	1.00000
2.90	0.99994	0.58	0.99688	1.00000	1.00000	1.00000	1.00000
2.95	0.99994	0.59	0.99689	1.00000	1.00000	1.00000	1.00000
3.00	0.99994	0.60	0.99713	1.00000	1.00000	1.00000	1.00000
3.05	0.99994	0.61	0.99744	1.00000	1.00000	1.00000	1.00000
3.10	0.99994	0.62	0.99756	1.00000	1.00000	1.00000	1.00000
3.15	0.99994	0.63	0.99792	1.00000	1.00000	1.00000	1.00000
3.20	0.99994	0.64	0.99817	1.00000	1.00000	1.00000	1.00000
3.25	0.99994	0.65	0.99854	1.00000	1.00000	1.00000	1.00000
3.30	1.00000	0.66	0.99872	1.00000	1.00000	1.00000	1.00000
3.35	1.00000	0.67	0.99890	1.00000	1.00000	1.00000	1.00000
3.40	1.00000	0.68	0.99895	1.00000	1.00000	1.00000	1.00000
3.45	1.00000	0.69	0.99902	1.00000	1.00000	1.00000	1.00000
3.50	1.00000	0.70	0.99908	1.00000	1.00000	1.00000	1.00000
3.55	1.00000	0.71	0.99915	1.00000	1.00000	1.00000	1.00000
3.60	1.00000	0.72	0.99921	1.00000	1.00000	1.00000	1.00000
3.65	1.00000	0.73	0.99933	1.00000	1.00000	1.00000	1.00000
3.70	1.00000	0.74	0.99933	1.00000	1.00000	1.00000	1.00000
3.75	1.00000	0.75	0.99939	1.00000	1.00000	1.00000	1.00000
3.80	1.00000	0.76	0.99939	1.00000	1.00000	1.00000	1.00000
3.85	1.00000	0.77	0.99945	1.00000	1.00000	1.00000	1.00000
3.90	1.00000	0.78	0.99951	1.00000	1.00000	1.00000	1.00000
3.95	1.00000	0.79	0.99953	1.00000	1.00000	1.00000	1.00000
4.00	1.00000	0.80	0.99953	1.00000	1.00000	1.00000	1.00000
4.05	1.00000	0.81	0.99969	1.00000	1.00000	1.00000	1.00000
4.10	1.00000	0.82	0.99976	1.00000	1.00000	1.00000	1.00000
4.15	1.00000	0.83	0.99992	1.00000	1.00000	1.00000	1.00000
4.20	1.00000	0.84	0.99982	1.00000	1.00000	1.00000	1.00000
4.25	1.00000	0.85	0.99980	1.00000	1.00000	1.00000	1.00000
4.30	1.00000	0.86	0.99988	1.00000	1.00000	1.00000	1.00000
4.35	1.00000	0.87	0.99963	1.00000	1.00000	1.00000	1.00000
4.40	1.00000	0.88	0.99968	1.00000	1.00000	1.00000	1.00000
4.45	1.00000	0.89	0.99962	1.00000	1.00000	1.00000	1.00000
4.50	1.00000	0.90	0.99969	1.00000	1.00000	1.00000	1.00000
4.55	1.00000	0.91	0.99988	1.00000	1.00000	1.00000	1.00000
4.60	1.00000	0.92	0.99988	1.00000	1.00000	1.00000	1.00000
4.65	1.00000	0.93	0.99988	1.00000	1.00000	1.00000	1.00000
4.70	1.00000	0.94	0.99963	1.00000	1.00000	1.00000	1.00000
4.75	1.00000	0.95	0.99938	1.00000	1.00000	1.00000	1.00000
4.80	1.00000	0.96	0.99938	1.00000	1.00000	1.00000	1.00000
4.85	1.00000	0.97	0.99918	1.00000	1.00000	1.00000	1.00000
4.90	1.00000	0.98	0.99938	1.00000	1.00000	1.00000	1.00000
4.95	1.00000	0.99	1.00000	1.00000	1.00000	1.00000	1.00000

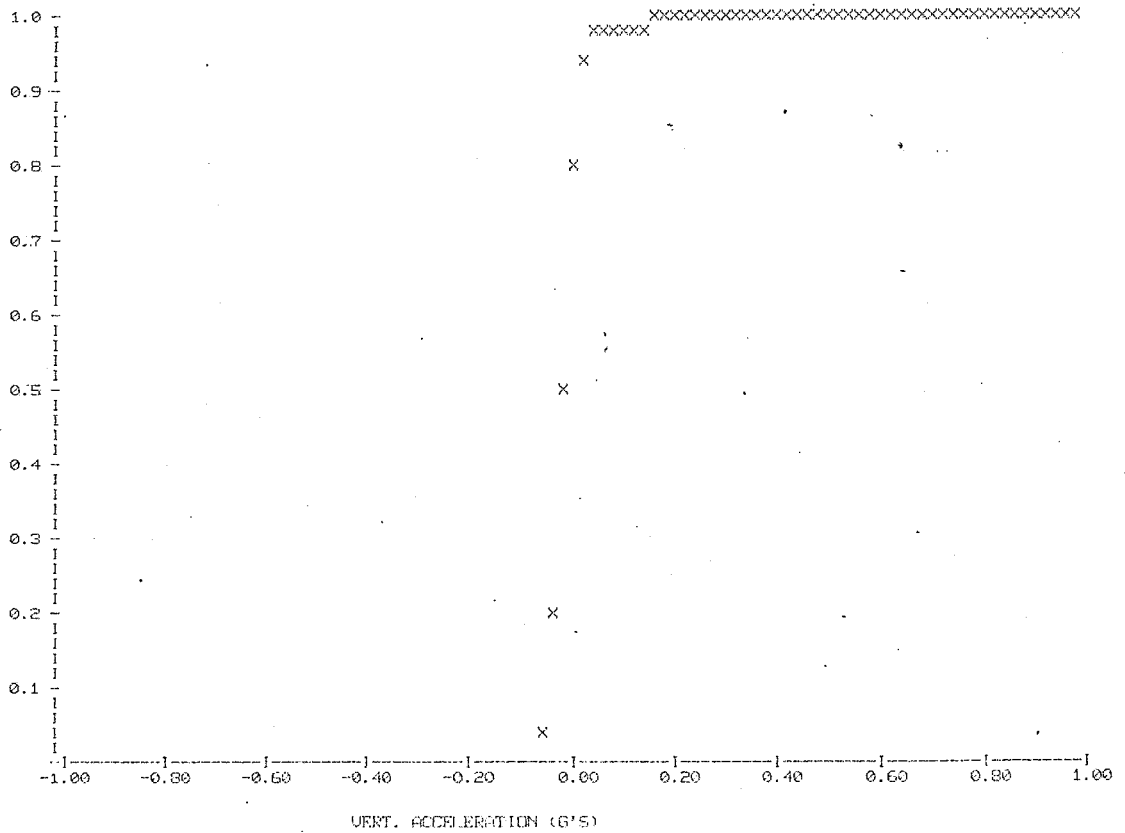
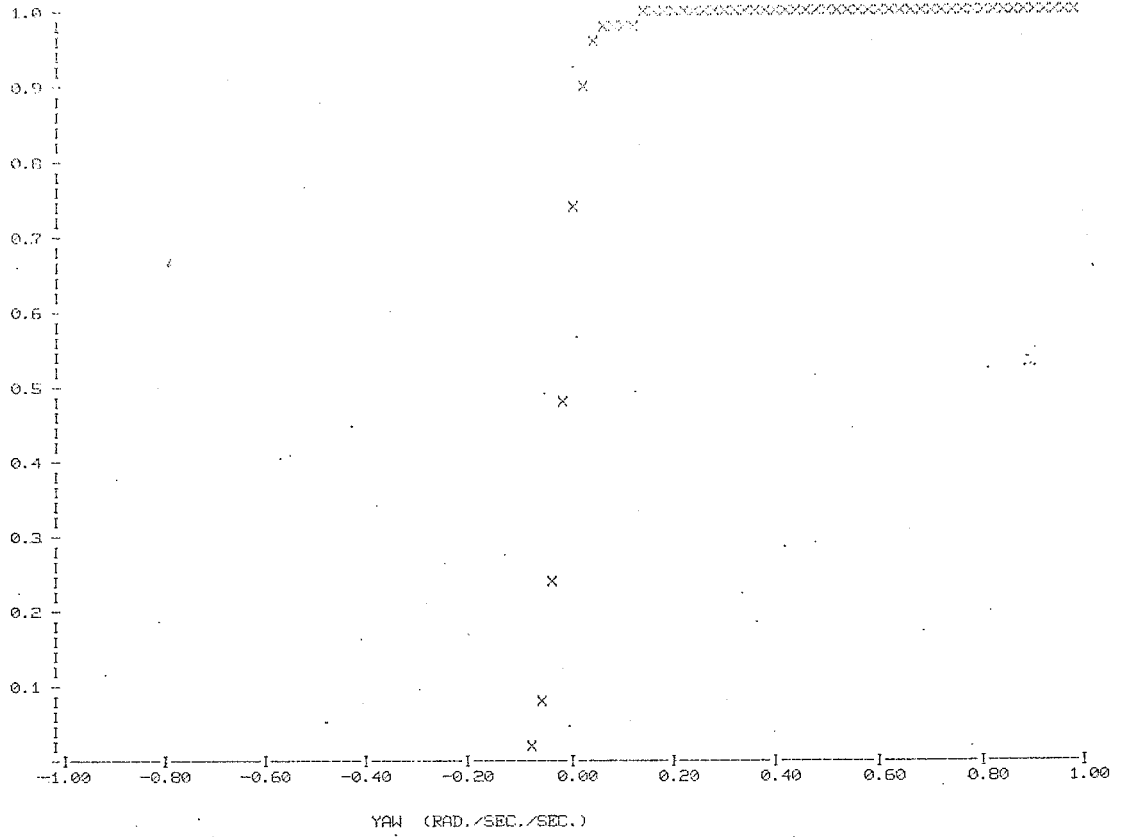
DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TIA 023 Car 850 RECS: 2483-2610



DISTRIBUTION FUNCTION ESTIMATE

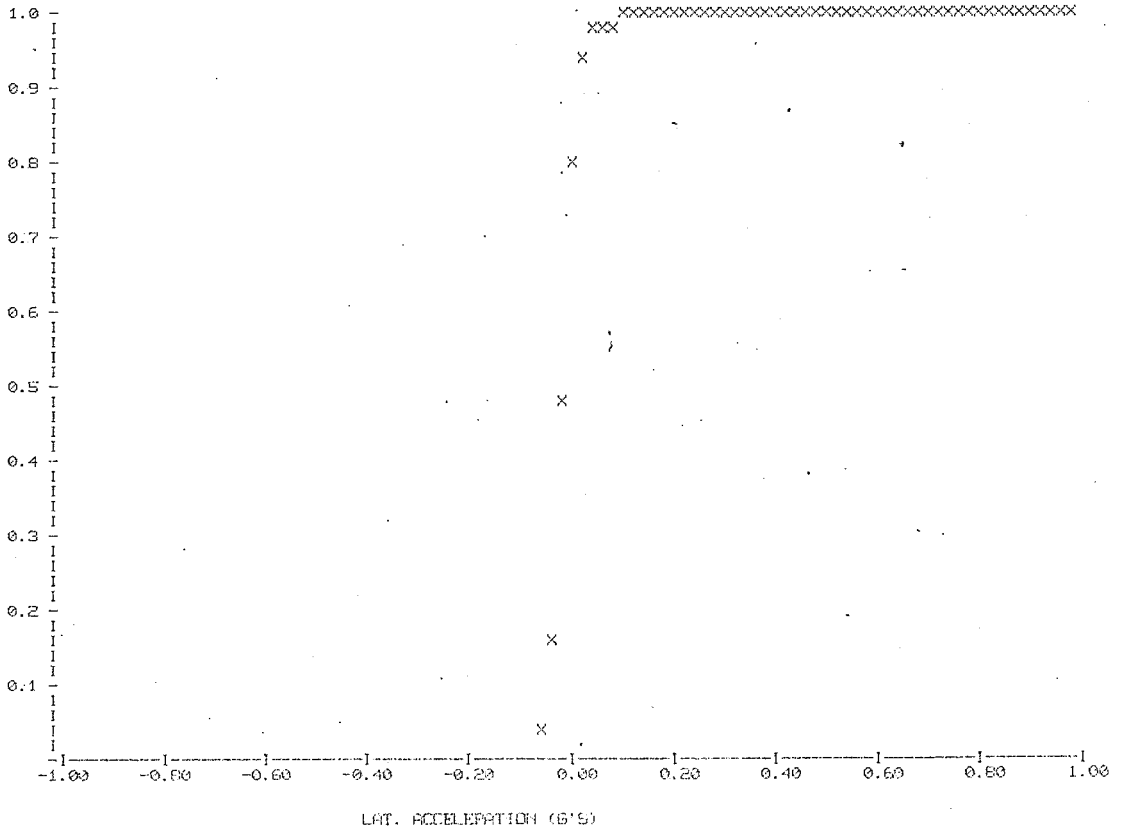
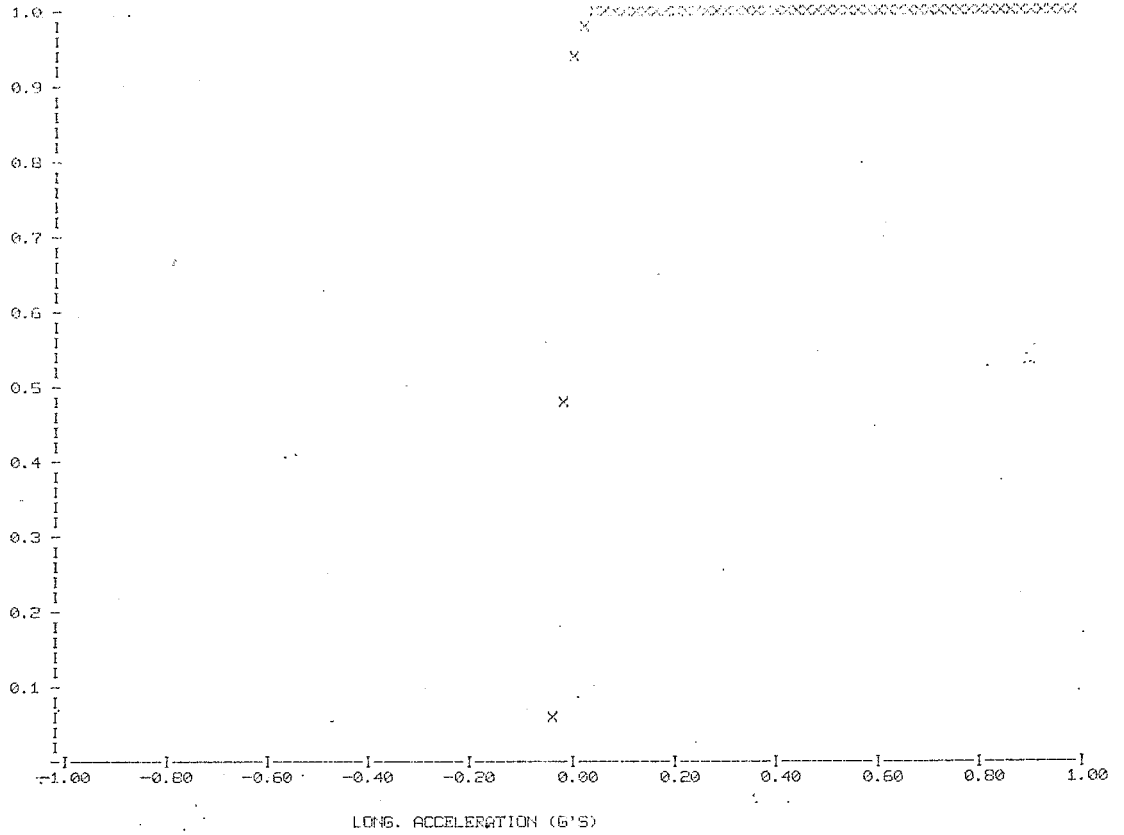
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TTA 023 Car 850 RECS: 2483-2610



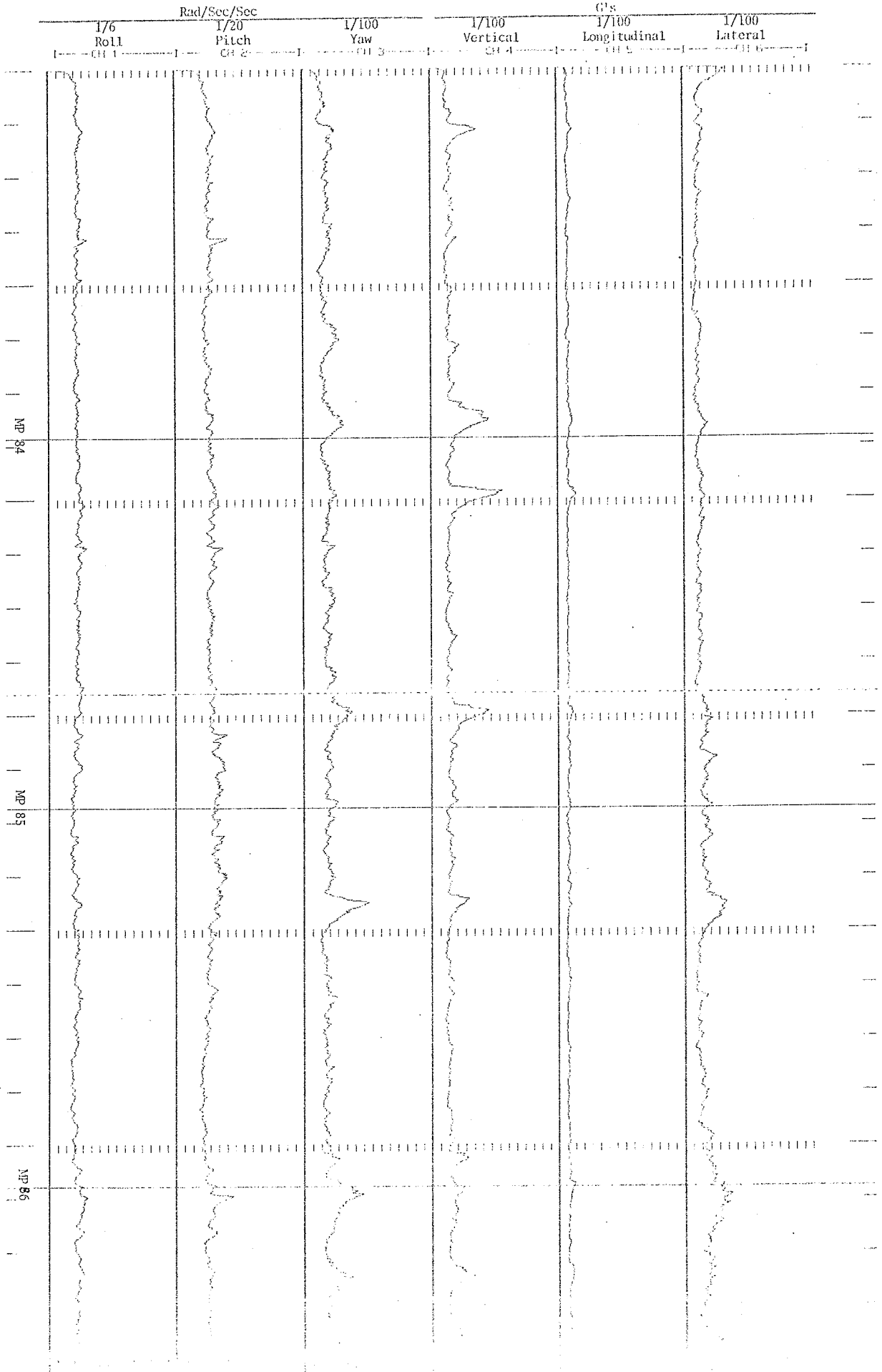


DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Rm TFA 023 Car 850 RECS: 2483-2610



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TTA 023 Car 350 RBCS: 2483-2610



ISO Bands - RMS ACCELERATION IN G S

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	0.00000	0.00000	0.00000	10.0 HZ	LB	0.00132	0.00185	0.00279
	EV	0.00063	0.00315	0.00305		EV	0.00172	0.00331	0.00399
	UB	0.00094	0.00468	0.00438		UB	0.00204	0.00430	0.00491
1.3 HZ	LB	0.00000	0.00000	0.00021	12.5 HZ	LB	0.00182	0.00295	0.00267
	EV	0.00069	0.00344	0.00208		EV	0.00208	0.00355	0.00346
	UB	0.00109	0.00496	0.00293		UB	0.00231	0.00407	0.00410
1.6 HZ	LB	0.00000	0.00076	0.00130	16.0 HZ	LB	0.00237	0.00254	0.00307
	EV	0.00053	0.00281	0.00248		EV	0.00271	0.00326	0.00349
	UB	0.00093	0.00390	0.00326		UB	0.00301	0.00395	0.00367
2.0 HZ	LB	0.00000	0.00077	0.00000	20.0 HZ	LB	0.00115	0.00136	0.00157
	EV	0.00067	0.00434	0.00454		EV	0.00139	0.00166	0.00193
	UB	0.00097	0.00609	0.00794		UB	0.00159	0.00191	0.00224
2.5 HZ	LB	0.00037	0.00182	0.00000	25.0 HZ	LB	0.00154	0.00180	0.00209
	EV	0.00067	0.00462	0.00639		EV	0.00195	0.00200	0.00270
	UB	0.00087	0.00628	0.00999		UB	0.00229	0.00218	0.00319
3.1 HZ	LB	0.00045	0.00130	0.00000	31.5 HZ	LB	0.00250	0.00298	0.00507
	EV	0.00067	0.00349	0.00671		EV	0.00295	0.00335	0.00571
	UB	0.00084	0.00477	0.00998		UB	0.00333	0.00368	0.00628
4.0 HZ	LB	0.00066	0.00000	0.00189	40.0 HZ	LB	0.00253	0.00178	0.00373
	EV	0.00141	0.00416	0.00572		EV	0.00288	0.00196	0.00417
	UB	0.00189	0.00607	0.00787		UB	0.00320	0.00213	0.00457
5.0 HZ	LB	0.00174	0.00376	0.00000	50.0 HZ	LB	0.00390	0.00330	0.00479
	EV	0.00439	0.00648	0.01335		EV	0.00478	0.00378	0.00551
	UB	0.00595	0.00836	0.01633		UB	0.00551	0.00421	0.00615
6.3 HZ	LB	0.00255	0.00446	0.00597	63.0 HZ	LB	0.00376	0.00293	0.00495
	EV	0.00363	0.00870	0.01182		EV	0.00475	0.00324	0.00599
	UB	0.00446	0.01147	0.01562		UB	0.00556	0.00352	0.00687
8.0 HZ	LB	0.00274	0.00661	0.00215	80.0 HZ	LB	0.00255	0.00211	0.00347
	EV	0.00405	0.01238	0.00418		EV	0.00272	0.00230	0.00383
	UB	0.00503	0.01621	0.00551		UB	0.00288	0.00249	0.00416

ISO Bands - RMS ACCELERATION IN M/S<sup>2</sup>

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	0.00000	0.00000	0.00000	10.0 HZ	LB	0.01297	0.01811	0.02737
	EV	0.00520	0.03092	0.02989		EV	0.01688	0.03248	0.03918
	UB	0.00917	0.04589	0.04298		UB	0.02005	0.04222	0.04817
1.3 HZ	LB	0.00000	0.00000	0.00210	12.5 HZ	LB	0.01787	0.02888	0.02620
	EV	0.00631	0.03374	0.02036		EV	0.02043	0.03482	0.03392
	UB	0.01066	0.04867	0.02872		UB	0.02270	0.03989	0.04019
1.6 HZ	LB	0.00000	0.00748	0.01271	16.0 HZ	LB	0.02326	0.02495	0.03015
	EV	0.00521	0.02793	0.02433		EV	0.02657	0.03199	0.03425
	UB	0.00909	0.03828	0.03198		UB	0.02951	0.03774	0.03791
2.0 HZ	LB	0.00000	0.00753	0.00000	20.0 HZ	LB	0.01129	0.01336	0.01536
	EV	0.00658	0.04253	0.04454		EV	0.01364	0.01529	0.01893
	UB	0.00954	0.05968	0.07786		UB	0.01564	0.01876	0.02192
2.5 HZ	LB	0.00363	0.01787	0.00000	25.0 HZ	LB	0.01514	0.01765	0.02050
	EV	0.00659	0.04532	0.06266		EV	0.01914	0.01961	0.02643
	UB	0.00958	0.06156	0.09797		UB	0.02243	0.02140	0.03126
3.1 HZ	LB	0.00441	0.01275	0.00000	31.5 HZ	LB	0.02453	0.02924	0.04977
	EV	0.00658	0.03425	0.06581		EV	0.02889	0.03285	0.05599
	UB	0.00820	0.04675	0.09784		UB	0.03267	0.03609	0.06159
4.0 HZ	LB	0.00643	0.00000	0.01854	40.0 HZ	LB	0.02479	0.01749	0.03655
	EV	0.01384	0.04076	0.05613		EV	0.02828	0.01924	0.04087
	UB	0.01849	0.05956	0.07718		UB	0.03138	0.02084	0.04479
5.0 HZ	LB	0.01709	0.03685	0.00000	50.0 HZ	LB	0.03829	0.03236	0.04694
	EV	0.04301	0.06353	0.13090		EV	0.04683	0.03709	0.05403
	UB	0.05838	0.08194	0.18952		UB	0.05403	0.04127	0.06029
6.3 HZ	LB	0.02496	0.04371	0.05852	63.0 HZ	LB	0.03691	0.02870	0.04850
	EV	0.03560	0.08531	0.11596		EV	0.04653	0.03172	0.05370
	UB	0.04372	0.11245	0.15319		UB	0.05448	0.03448	0.05738
8.0 HZ	LB	0.02684	0.06482	0.02105	80.0 HZ	LB	0.02504	0.02067	0.03405
	EV	0.03971	0.12141	0.04101		EV	0.02671	0.02260	0.03756
	UB	0.04933	0.15899	0.05405		UB	0.02828	0.02438	0.04076

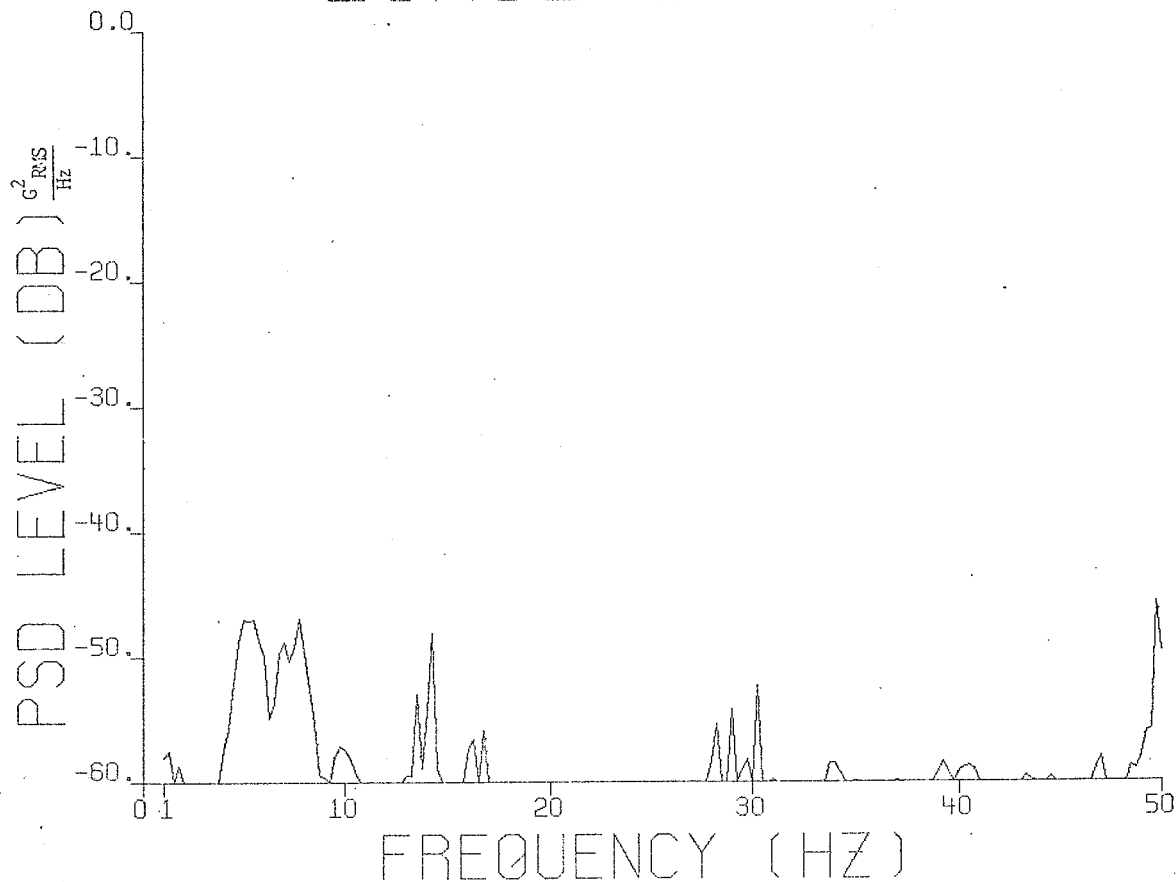


				REDUCED COMFORT				
CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	24.00000	24.00000	24.00000	10.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	24.00000		EV	24.00000	24.00000
	UB	24.00000	14.37703	24.00000		UB	24.00000	22.53066
1.3 HZ	LB	24.00000	24.00000	24.00000	12.5 HZ	LB	24.00000	24.00000
	EV	24.00000	21.74836	24.00000		EV	24.00000	24.00000
	UB	24.00000	13.27223	24.00000		UB	24.00000	24.00000
1.6 HZ	LB	24.00000	24.00000	24.00000	15.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	24.00000		EV	24.00000	24.00000
	UB	24.00000	18.35681	24.00000		UB	24.00000	24.00000
2.0 HZ	LB	24.00000	24.00000	24.00000	20.0 HZ	LB	24.00000	24.00000
	EV	24.00000	15.92991	24.00000		EV	24.00000	24.00000
	UB	24.00000	10.04987	14.54576		UB	24.00000	24.00000
2.5 HZ	LB	24.00000	24.00000	24.00000	25.0 HZ	LB	24.00000	24.00000
	EV	24.00000	19.53478	16.44975		EV	24.00000	24.00000
	UB	24.00000	13.15057	9.55207		UB	24.00000	24.00000
3.1 HZ	LB	24.00000	24.00000	24.00000	31.5 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	13.49277		EV	24.00000	24.00000
	UB	24.00000	24.00000	8.29526		UB	24.00000	24.00000
4.0 HZ	LB	24.00000	24.00000	24.00000	40.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	14.23120		EV	24.00000	24.00000
	UB	24.00000	24.00000	9.64954		UB	24.00000	24.00000
5.0 HZ	LB	24.00000	24.00000	24.00000	50.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	4.95364		EV	24.00000	24.00000
	UB	24.00000	22.75039	3.01531		UB	24.00000	24.00000
6.3 HZ	LB	24.00000	24.00000	13.53095	63.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	5.79219		EV	24.00000	24.00000
	UB	24.00000	20.26873	4.02767		UB	24.00000	24.00000
8.0 HZ	LB	24.00000	24.00000	24.00000	80.0 HZ	LB	24.00000	24.00000
	EV	24.00000	24.00000	20.74332		EV	24.00000	24.00000
	UB	24.00000	17.34140	14.89526		UB	24.00000	24.00000

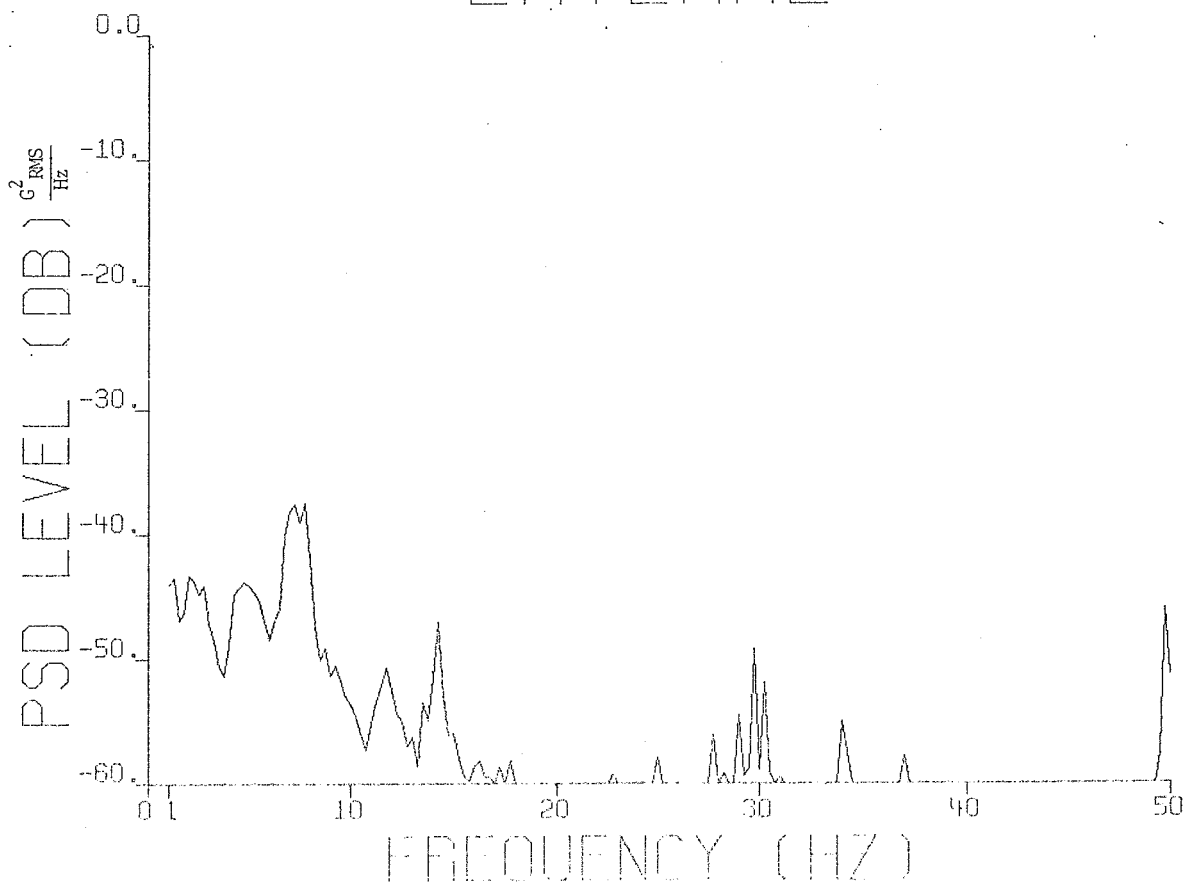
REDUCED COMFORT			
	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	15.92991	4.95364
Center Freq (Hz):	1	2	5

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TIA 023 Car 850 RECS: 2482-2609

# LONGITUDINAL



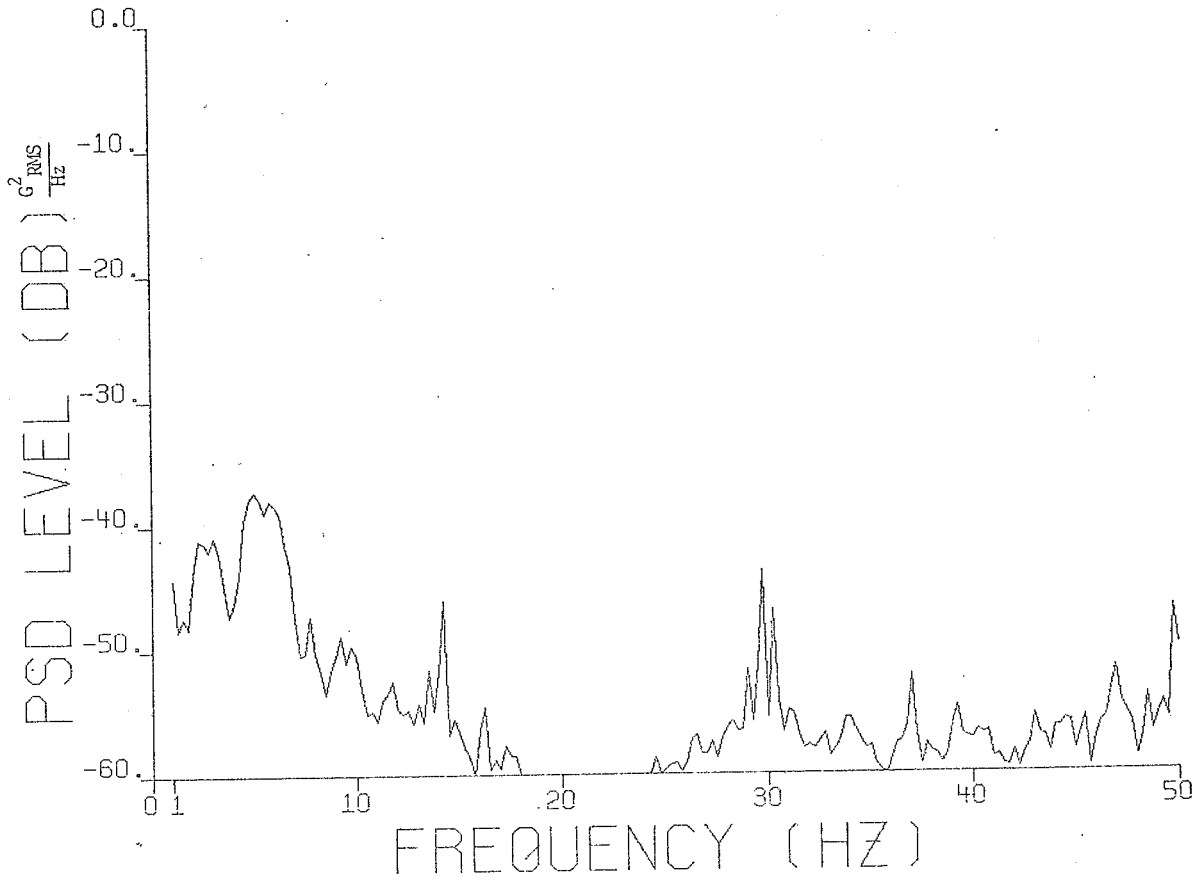
# LATERAL



ACCELERATION

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TIA 023 Car 850 RECS: 2482-2609

VERTICAL









HISTOGRAM SUMMARY

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335

VOLTAGE	ROLL	PITCH	YAW	VERTICAL	LONGITUDINAL	LATERAL
0.0	588.	284.	2012.	2544.	4701.	2765.
0.1	492.	310.	1801.	2050.	2691.	2331.
0.2	552.	300.	1420.	1535.	820.	1648.
0.3	531.	328.	1027.	983.	182.	852.
0.4	512.	308.	747.	527.	45.	436.
0.5	529.	318.	507.	292.	7.	198.
0.6	471.	289.	250.	147.	1.	66.
0.7	460.	243.	177.	102.	1.	29.
0.8	436.	279.	130.	55.	0.	9.
0.9	378.	272.	92.	33.	0.	5.
1.0	355.	289.	54.	27.	0.	6.
1.1	393.	269.	23.	16.	0.	4.
1.2	339.	285.	4.	3.	0.	1.
1.3	274.	243.	4.	10.	0.	2.
1.4	263.	285.	4.	8.	0.	2.
1.5	236.	211.	2.	6.	0.	1.
1.6	220.	263.	0.	0.	0.	0.
1.7	197.	219.	0.	0.	0.	0.
1.8	164.	243.	0.	0.	0.	0.
1.9	144.	213.	0.	0.	0.	0.
2.0	137.	218.	0.	0.	0.	0.
2.1	111.	183.	0.	1.	0.	0.
2.2	90.	182.	0.	0.	0.	0.
2.3	76.	177.	0.	0.	0.	0.
2.4	61.	161.	0.	0.	0.	0.
2.5	43.	158.	0.	0.	0.	0.
2.6	41.	142.	0.	0.	0.	0.
2.7	28.	151.	0.	0.	0.	0.
2.8	16.	139.	0.	0.	0.	0.
2.9	14.	118.	0.	0.	0.	0.
3.0	16.	115.	0.	0.	0.	0.
3.1	5.	96.	0.	0.	0.	0.
3.2	7.	85.	0.	0.	0.	0.
3.3	5.	81.	0.	0.	0.	0.
3.4	1.	62.	0.	0.	0.	0.
3.5	0.	67.	0.	0.	0.	0.
3.6	1.	62.	0.	0.	0.	0.
3.7	0.	70.	0.	0.	0.	0.
3.8	0.	50.	0.	0.	0.	0.
3.9	0.	48.	0.	0.	0.	0.
4.0	0.	45.	0.	0.	0.	0.
4.1	0.	40.	0.	0.	0.	0.
4.2	0.	27.	0.	0.	0.	0.
4.3	0.	33.	0.	0.	0.	0.
4.4	0.	29.	0.	0.	0.	0.
4.5	0.	17.	0.	0.	0.	0.
4.6	0.	20.	0.	0.	0.	0.
4.7	0.	20.	0.	0.	0.	0.
4.8	0.	21.	0.	0.	0.	0.
4.9	0.	10.	0.	0.	0.	0.
5.0	0.	16.	0.	0.	0.	0.
5.1	0.	9.	0.	0.	0.	0.
5.2	0.	10.	0.	0.	0.	0.
5.3	0.	11.	0.	0.	0.	0.
5.4	0.	4.	0.	0.	0.	0.
5.5	0.	6.	0.	0.	0.	0.
5.6	0.	5.	0.	0.	0.	0.
5.7	0.	5.	0.	0.	0.	0.
5.8	0.	1.	0.	0.	0.	0.
5.9	0.	3.	0.	0.	0.	0.
6.0	0.	4.	0.	0.	0.	0.
6.1	0.	5.	0.	0.	0.	0.
6.2	0.	1.	0.	0.	0.	0.
6.3	0.	3.	0.	0.	0.	0.
6.4	0.	1.	0.	0.	0.	0.
6.5	0.	2.	0.	0.	0.	0.
6.6	0.	0.	0.	0.	0.	0.
6.7	0.	0.	0.	0.	0.	0.
6.8	0.	0.	0.	0.	0.	0.
6.9	0.	0.	0.	0.	0.	0.
7.0	0.	0.	0.	0.	0.	0.
7.1	0.	0.	0.	0.	0.	0.
7.2	0.	0.	0.	0.	0.	0.
7.3	0.	0.	0.	0.	0.	0.
7.4	0.	0.	0.	0.	0.	0.
7.5	0.	0.	0.	0.	0.	0.
7.6	0.	0.	0.	0.	0.	0.
7.7	0.	0.	0.	0.	0.	0.
7.8	0.	0.	0.	0.	0.	0.
7.9	0.	0.	0.	0.	0.	0.
8.0	0.	0.	0.	0.	0.	0.
8.1	0.	0.	0.	0.	0.	0.
8.2	0.	0.	0.	0.	0.	0.
8.3	0.	0.	0.	0.	0.	0.
8.4	0.	0.	0.	0.	0.	0.
8.5	0.	0.	0.	0.	0.	0.
8.6	0.	0.	0.	0.	0.	0.
8.7	0.	0.	0.	0.	0.	0.
8.8	0.	0.	0.	0.	0.	0.
8.9	0.	0.	0.	0.	0.	0.
9.0	0.	4.	0.	0.	0.	0.

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335

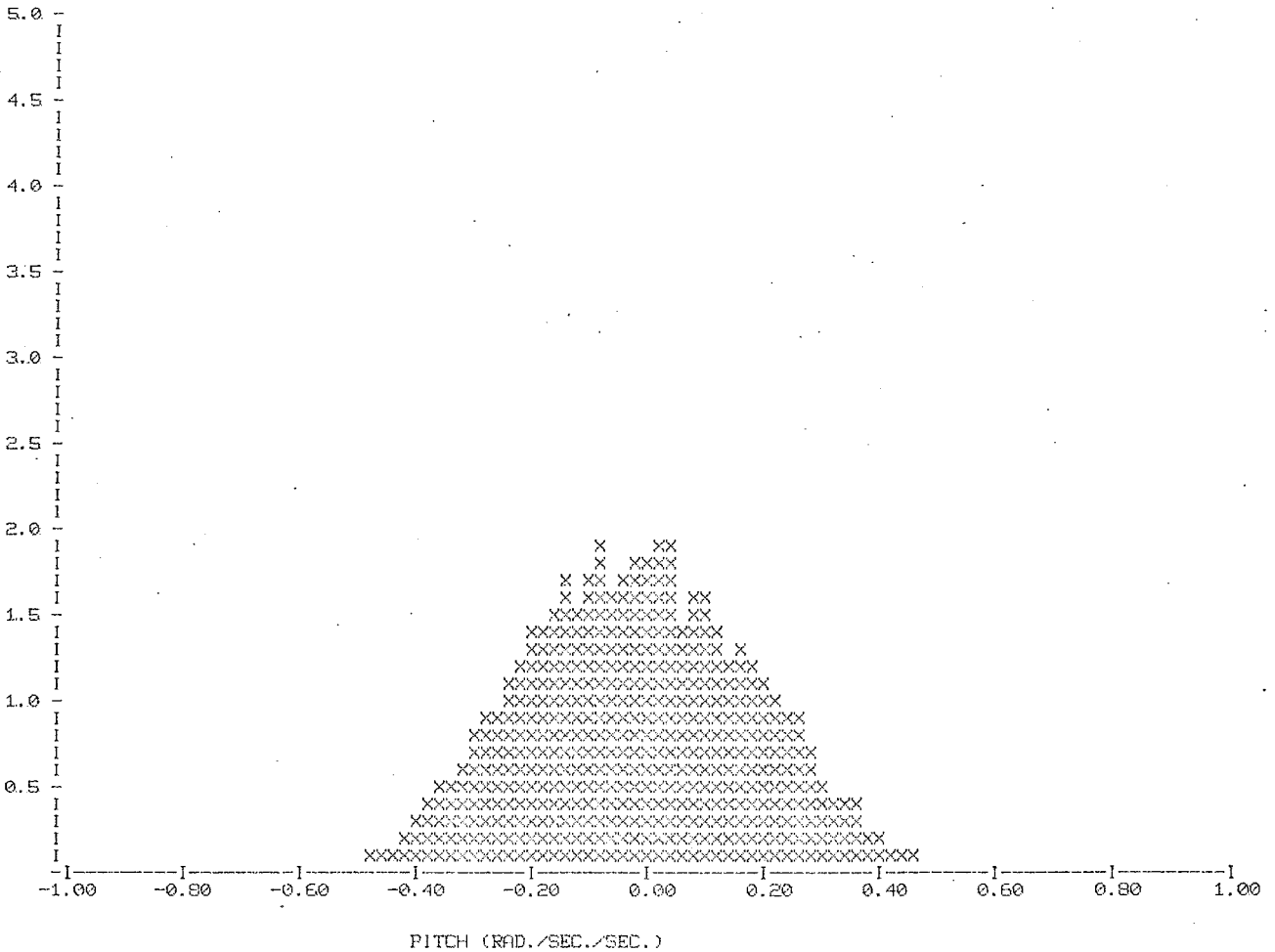
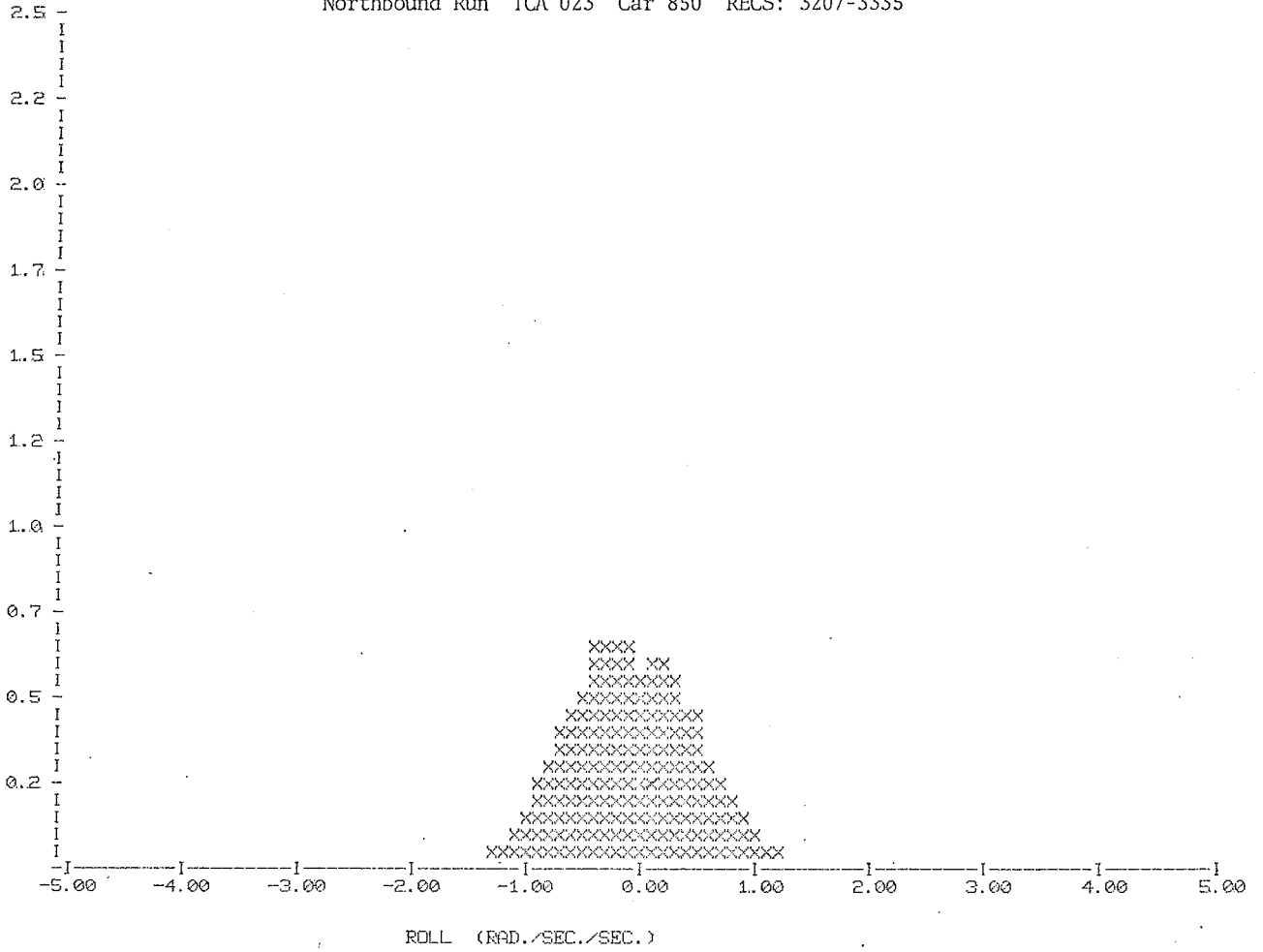
ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.00000	-1.00	0.00000	0.00000	0.00000	0.00000	0.00000
-4.95	0.00000	-0.99	0.00501	0.00000	0.00000	0.00000	0.00000
-4.90	0.00000	-0.98	0.00000	0.00000	0.00000	0.00000	0.00000
-4.85	0.00000	-0.97	0.00000	0.00000	0.00000	0.00000	0.00000
-4.80	0.00000	-0.96	0.00000	0.00000	0.00000	0.00000	0.00000
-4.75	0.00000	-0.95	0.00000	0.00000	0.00000	0.00000	0.00000
-4.70	0.00000	-0.94	0.00000	0.00000	0.00000	0.00000	0.00000
-4.65	0.00000	-0.93	0.00000	0.00000	0.00000	0.00000	0.00000
-4.60	0.00000	-0.92	0.00000	0.00000	0.00000	0.00000	0.00000
-4.55	0.00000	-0.91	0.00000	0.00000	0.00000	0.00000	0.00000
-4.50	0.00000	-0.90	0.00000	0.00000	0.00000	0.00000	0.00000
-4.45	0.00000	-0.89	0.00000	0.00000	0.00000	0.00000	0.00000
-4.40	0.00000	-0.88	0.00501	0.00000	0.00000	0.00000	0.00000
-4.35	0.00000	-0.87	0.00000	0.00000	0.00000	0.00000	0.00000
-4.30	0.00000	-0.86	0.00000	0.00000	0.00000	0.00000	0.00000
-4.25	0.00000	-0.85	0.00501	0.00000	0.00000	0.00000	0.00000
-4.20	0.00000	-0.84	0.00000	0.00000	0.00000	0.00000	0.00000
-4.15	0.00000	-0.83	0.00000	0.00000	0.00000	0.00000	0.00000
-4.10	0.00000	-0.82	0.00000	0.00000	0.00000	0.00000	0.00000
-4.05	0.00000	-0.81	0.00000	0.00000	0.00000	0.00000	0.00000
-4.00	0.00000	-0.80	0.00000	0.00000	0.00000	0.00000	0.00000
-3.95	0.00000	-0.79	0.00000	0.00000	0.00000	0.00000	0.00000
-3.90	0.00000	-0.78	0.00000	0.00000	0.00000	0.00000	0.00000
-3.85	0.00000	-0.77	0.00000	0.00000	0.00000	0.00000	0.00000
-3.80	0.00000	-0.76	0.00000	0.00000	0.00000	0.00000	0.00000
-3.75	0.00000	-0.75	0.00000	0.00000	0.00000	0.00000	0.00000
-3.70	0.00000	-0.74	0.00000	0.00000	0.00000	0.00000	0.00000
-3.65	0.00000	-0.73	0.00000	0.00000	0.00000	0.00000	0.00000
-3.60	0.00000	-0.72	0.00000	0.00000	0.00000	0.00000	0.00000
-3.55	0.00000	-0.71	0.00000	0.00000	0.00000	0.00000	0.00000
-3.50	0.00000	-0.70	0.01202	0.00000	0.00000	0.00000	0.00000
-3.45	0.00000	-0.69	0.00501	0.00000	0.00000	0.00000	0.00000
-3.40	0.00000	-0.68	0.01202	0.00000	0.00000	0.00000	0.00000
-3.35	0.00120	-0.67	0.01803	0.00000	0.00000	0.00000	0.00000
-3.30	0.00000	-0.66	0.02404	0.00000	0.00000	0.00000	0.00000
-3.25	0.00000	-0.65	0.00501	0.00000	0.00000	0.00000	0.00000
-3.20	0.00000	-0.64	0.00000	0.00000	0.00000	0.00000	0.00000
-3.15	0.00000	-0.63	0.00000	0.00000	0.00000	0.00000	0.00000
-3.10	0.00000	-0.62	0.01202	0.00000	0.00000	0.00000	0.00000
-3.05	0.00000	-0.61	0.01202	0.00000	0.00000	0.00000	0.00000
-3.00	0.00000	-0.60	0.01803	0.00000	0.00000	0.00000	0.00000
-2.95	0.00000	-0.59	0.01803	0.00000	0.00000	0.00000	0.00000
-2.90	0.00000	-0.58	0.03005	0.00000	0.00000	0.00000	0.00000
-2.85	0.00000	-0.57	0.03506	0.00000	0.00000	0.00000	0.00000
-2.80	0.00000	-0.56	0.03506	0.00000	0.00000	0.00000	0.00000
-2.75	0.00000	-0.55	0.01803	0.00000	0.00000	0.00000	0.00000
-2.70	0.00000	-0.54	0.00501	0.00000	0.00000	0.00000	0.00000
-2.65	0.00000	-0.53	0.03506	0.00000	0.00000	0.00000	0.00000
-2.60	0.00000	-0.52	0.04207	0.00000	0.00000	0.00000	0.00000
-2.55	0.00000	-0.51	0.05409	0.00000	0.00000	0.00000	0.00000
-2.50	0.00000	-0.50	0.05409	0.00000	0.00000	0.00000	0.00000
-2.45	0.00000	-0.49	0.03014	0.00000	0.00000	0.00000	0.00000
-2.40	0.00000	-0.48	0.10216	0.00000	0.00000	0.00000	0.00000
-2.35	0.00000	-0.47	0.10216	0.00000	0.00000	0.00000	0.00000
-2.30	0.00120	-0.46	0.15625	0.00000	0.00000	0.00000	0.00000
-2.25	0.00000	-0.45	0.14423	0.00000	0.00000	0.00000	0.00000
-2.20	0.00000	-0.44	0.15326	0.00000	0.00000	0.00000	0.00000
-2.15	0.00000	-0.43	0.14423	0.00000	0.00000	0.00000	0.00000
-2.10	0.00120	-0.42	0.18029	0.00000	0.00000	0.00000	0.00000
-2.05	0.00000	-0.41	0.21034	0.00000	0.00000	0.00000	0.00000
-2.00	0.00361	-0.40	0.22837	0.00000	0.00000	0.00000	0.00000
-1.95	0.00000	-0.39	0.35457	0.00000	0.00000	0.00000	0.00000
-1.90	0.00120	-0.38	0.27043	0.00000	0.00000	0.00000	0.00000
-1.85	0.00361	-0.37	0.40865	0.00000	0.00000	0.00000	0.00000
-1.80	0.00120	-0.36	0.40865	0.00000	0.00000	0.00000	0.00000
-1.75	0.00481	-0.35	0.57692	0.00000	0.00000	0.00000	0.00000
-1.70	0.00361	-0.34	0.48678	0.00000	0.00000	0.00000	0.00000
-1.65	0.00240	-0.33	0.54087	0.00000	0.00000	0.00000	0.00000
-1.60	0.00962	-0.32	0.70313	0.00000	0.00000	0.00000	0.00000
-1.55	0.01202	-0.31	0.63510	0.00000	0.00000	0.00000	0.00000
-1.50	0.01563	-0.30	0.73918	0.00000	0.00000	0.00000	0.00000
-1.45	0.02404	-0.29	0.84736	0.00000	0.00000	0.00000	0.00000
-1.40	0.03005	-0.28	0.95553	0.00000	0.00000	0.00000	0.00000
-1.35	0.03486	-0.27	0.93149	0.00000	0.00000	0.00000	0.00000
-1.30	0.05769	-0.26	1.03956	0.00000	0.00000	0.00000	0.00000
-1.25	0.05288	-0.25	0.98958	0.00000	0.00000	0.00000	0.00000
-1.20	0.09135	-0.24	1.14784	0.00000	0.00000	0.00000	0.00000
-1.15	0.08654	-0.23	1.14784	0.00000	0.00000	0.00000	0.00000
-1.10	0.10337	-0.22	1.26202	0.00000	0.00000	0.00000	0.00000
-1.05	0.14663	-0.21	1.29207	0.00000	0.00000	0.00000	0.00000
-1.00	0.15955	-0.20	1.51442	0.00000	0.00000	0.00000	0.00000
-0.95	0.17909	-0.19	1.40625	0.00000	0.00000	0.00000	0.00000
-0.90	0.15951	-0.18	1.26202	0.00501	0.00501	0.00000	0.00000
-0.85	0.26683	-0.17	1.47236	0.01803	0.00501	0.00000	0.00000
-0.80	0.29928	-0.16	1.55649	0.00000	0.01803	0.00000	0.00000
-0.75	0.34656	-0.15	1.50240	0.04207	0.00010	0.00000	0.00000
-0.70	0.35337	-0.14	1.65364	0.05409	0.05409	0.00000	0.00000
-0.65	0.44111	-0.13	1.73077	0.08413	0.07212	0.00000	0.00000
-0.60	0.46274	-0.12	1.83293	0.07813	0.06511	0.00000	0.00000
-0.55	0.48197	-0.11	1.57452	0.19231	0.12019	0.00000	0.00000
-0.50	0.51202	-0.10	1.69471	0.35457	0.20433	0.00000	0.01202
-0.45	0.53346	-0.09	1.76082	0.61298	0.33053	0.00000	0.04808
-0.40	0.59255	-0.08	1.92909	1.00962	0.46274	0.00000	0.16226
-0.35	0.65745	-0.07	1.94111	1.59866	0.98558	0.01803	0.43269
-0.30	0.62500	-0.06	1.97115	3.06490	1.83293	0.07212	1.15385
-0.25	0.68269	-0.05	1.63369	4.62139	3.43149	0.25240	2.50000
-0.20	0.66260	-0.04	1.88702	6.61659	6.11178	1.18369	5.18630
-0.15	0.66707	-0.03	1.73688	8.87019	9.09255	5.41466	9.44712
-0.10	0.67668	-0.02	1.79658	10.9855	12.3197	15.8094	13.9302
-0.05	0.68712	-0.01	1.83003	12.1875	14.6033	26.4002	16.7968

PROBABILITY DENSITY ESTIMATE

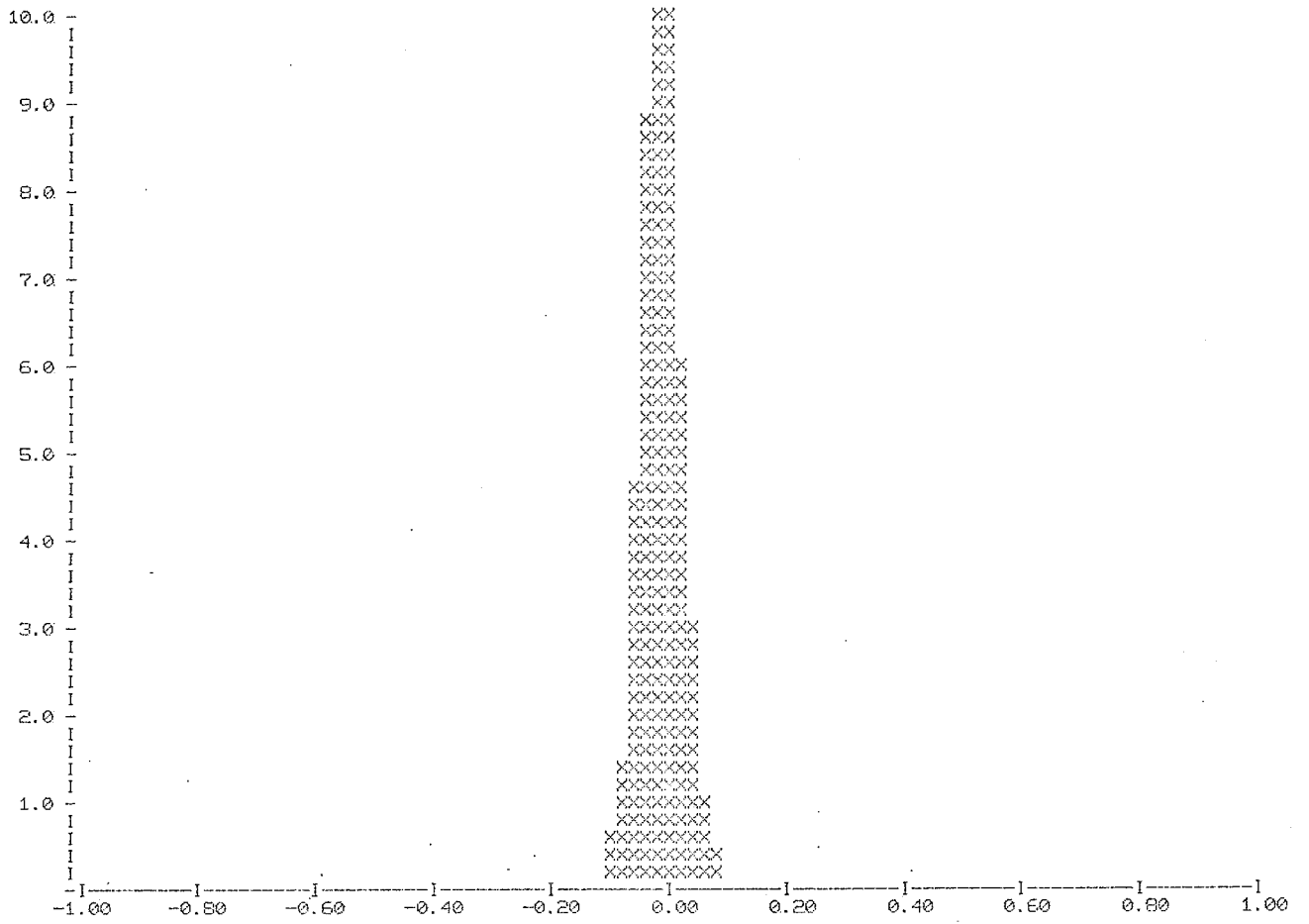
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TCA 023 Car 850 RECS: 3207-3335

ABSCISSA 1: Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT(G's)	LONG.(G's)	LAT. (G's)
0.00	0.70673	0.00	1.70673	12.0913	15.2884	28.2512	16.6165
0.05	0.59135	0.01	1.86298	10.8233	12.3798	16.1718	14.0084
0.10	0.66346	0.02	1.80288	8.53365	9.22476	4.92788	9.90385
0.15	0.63822	0.03	1.97115	6.17189	5.90745	1.09375	5.12019
0.20	0.61538	0.04	1.85096	4.49918	3.16707	0.27043	2.62019
0.25	0.60582	0.05	1.91106	3.04688	1.75481	0.04207	1.18990
0.30	0.56611	0.06	1.79378	1.50240	0.88341	0.00501	0.51633
0.35	0.55288	0.07	1.46034	1.06370	0.61298	0.00501	0.17428
0.40	0.52404	0.08	1.67668	0.78125	0.33053	0.00000	0.05409
0.45	0.45433	0.09	1.63462	0.55288	0.19832	0.00000	0.03005
0.50	0.42668	0.10	1.73678	0.32452	0.16226	0.00000	0.03606
0.55	0.47236	0.11	1.61659	0.13822	0.09615	0.00000	0.02404
0.60	0.40745	0.12	1.71274	0.02404	0.01803	0.00000	0.00501
0.65	0.32933	0.13	1.46034	0.02404	0.05010	0.00000	0.01202
0.70	0.31611	0.14	1.71274	0.02404	0.04809	0.00000	0.01202
0.75	0.28365	0.15	1.26803	0.01202	0.03606	0.00000	0.00601
0.80	0.26442	0.16	1.58053	0.00000	0.00000	0.00000	0.00000
0.85	0.23678	0.17	1.31611	0.00000	0.01803	0.00000	0.00000
0.90	0.19712	0.18	1.46034	0.00000	0.01803	0.00000	0.00000
0.95	0.17308	0.19	1.28005	0.00000	0.01202	0.00000	0.00000
1.00	0.16466	0.20	1.31610	0.00000	0.00000	0.00000	0.00000
1.05	0.13341	0.21	1.12981	0.00000	0.00501	0.00000	0.00000
1.10	0.10817	0.22	1.09375	0.00000	0.00000	0.00000	0.00000
1.15	0.09135	0.23	1.06370	0.00000	0.00000	0.00000	0.00000
1.20	0.07332	0.24	0.96755	0.00000	0.00000	0.00000	0.00000
1.25	0.05168	0.25	0.94952	0.00000	0.00000	0.00000	0.00000
1.30	0.04928	0.26	0.85337	0.00000	0.00000	0.00000	0.00000
1.35	0.03365	0.27	0.90745	0.00000	0.00000	0.00000	0.00000
1.40	0.01923	0.28	0.83534	0.00000	0.00000	0.00000	0.00000
1.45	0.01683	0.29	0.70913	0.00000	0.00000	0.00000	0.00000
1.50	0.01923	0.30	0.69712	0.00000	0.00000	0.00000	0.00000
1.55	0.00601	0.31	0.57692	0.00000	0.00000	0.00000	0.00000
1.60	0.00941	0.32	0.51082	0.00000	0.00000	0.00000	0.00000
1.65	0.00601	0.33	0.48578	0.00000	0.00000	0.00000	0.00000
1.70	0.00120	0.34	0.37260	0.00000	0.00000	0.00000	0.00000
1.75	0.00000	0.35	0.40264	0.00000	0.00000	0.00000	0.00000
1.80	0.00120	0.36	0.37260	0.00000	0.00000	0.00000	0.00000
1.85	0.00240	0.37	0.42067	0.00000	0.00000	0.00000	0.00000
1.90	0.00240	0.38	0.36058	0.00000	0.00000	0.00000	0.00000
1.95	0.00240	0.39	0.28846	0.00000	0.00000	0.00000	0.00000
2.00	0.00120	0.40	0.27043	0.00000	0.00000	0.00000	0.00000
2.05	0.00000	0.41	0.24038	0.00000	0.00000	0.00000	0.00000
2.10	0.00120	0.42	0.16226	0.00000	0.00000	0.00000	0.00000
2.15	0.00000	0.43	0.19832	0.00000	0.00000	0.00000	0.00000
2.20	0.00120	0.44	0.17428	0.00000	0.00000	0.00000	0.00000
2.25	0.00000	0.45	0.10216	0.00000	0.00000	0.00000	0.00000
2.30	0.00000	0.46	0.12919	0.00000	0.00000	0.00000	0.00000
2.35	0.00120	0.47	0.16827	0.00000	0.00000	0.00000	0.00000
2.40	0.00000	0.48	0.12520	0.00000	0.00000	0.00000	0.00000
2.45	0.00000	0.49	0.06010	0.00000	0.00000	0.00000	0.00000
2.50	0.00000	0.50	0.09615	0.00000	0.00000	0.00000	0.00000
2.55	0.00000	0.51	0.05409	0.00000	0.00000	0.00000	0.00000
2.60	0.00000	0.52	0.06010	0.00000	0.00000	0.00000	0.00000
2.65	0.00000	0.53	0.06611	0.00000	0.00000	0.00000	0.00000
2.70	0.00000	0.54	0.02404	0.00000	0.00000	0.00000	0.00000
2.75	0.00000	0.55	0.03606	0.00000	0.00000	0.00000	0.00000
2.80	0.00000	0.56	0.03606	0.00000	0.00000	0.00000	0.00000
2.85	0.00000	0.57	0.01202	0.00000	0.00000	0.00000	0.00000
2.90	0.00000	0.58	0.03606	0.00000	0.00000	0.00000	0.00000
2.95	0.00000	0.59	0.03606	0.00000	0.00000	0.00000	0.00000
3.00	0.00000	0.60	0.03005	0.00000	0.00000	0.00000	0.00000
3.05	0.00000	0.61	0.00501	0.00000	0.00000	0.00000	0.00000
3.10	0.00000	0.62	0.01803	0.00000	0.00000	0.00000	0.00000
3.15	0.00000	0.63	0.02404	0.00000	0.00000	0.00000	0.00000
3.20	0.00000	0.64	0.01803	0.00000	0.00000	0.00000	0.00000
3.25	0.00000	0.65	0.00501	0.00000	0.00000	0.00000	0.00000
3.30	0.00000	0.66	0.00000	0.00000	0.00000	0.00000	0.00000
3.35	0.00000	0.67	0.00501	0.00000	0.00000	0.00000	0.00000
3.40	0.00000	0.68	0.01202	0.00000	0.00000	0.00000	0.00000
3.45	0.00000	0.69	0.00000	0.00000	0.00000	0.00000	0.00000
3.50	0.00120	0.70	0.01202	0.00000	0.00000	0.00000	0.00000
3.55	0.00000	0.71	0.00000	0.00000	0.00000	0.00000	0.00000
3.60	0.00000	0.72	0.00000	0.00000	0.00000	0.00000	0.00000
3.65	0.00000	0.73	0.00000	0.00000	0.00000	0.00000	0.00000
3.70	0.00000	0.74	0.00501	0.00000	0.00000	0.00000	0.00000
3.75	0.00000	0.75	0.00501	0.00000	0.00000	0.00000	0.00000
3.80	0.00000	0.76	0.01202	0.00000	0.00000	0.00000	0.00000
3.85	0.00000	0.77	0.00501	0.00000	0.00000	0.00000	0.00000
3.90	0.00000	0.78	0.00000	0.00000	0.00000	0.00000	0.00000
3.95	0.00000	0.79	0.00000	0.00000	0.00000	0.00000	0.00000
4.00	0.00000	0.80	0.00000	0.00000	0.00000	0.00000	0.00000
4.05	0.00000	0.81	0.01202	0.00000	0.00000	0.00000	0.00000
4.10	0.00000	0.82	0.01803	0.00000	0.00000	0.00000	0.00000
4.15	0.00000	0.83	0.00000	0.00000	0.00000	0.00000	0.00000
4.20	0.00000	0.84	0.00000	0.00000	0.00000	0.00000	0.00000
4.25	0.00000	0.85	0.00000	0.00000	0.00000	0.00000	0.00000
4.30	0.00000	0.86	0.00501	0.00000	0.00000	0.00000	0.00000
4.35	0.00000	0.87	0.00000	0.00000	0.00000	0.00000	0.00000
4.40	0.00000	0.88	0.00000	0.00000	0.00000	0.00000	0.00000
4.45	0.00000	0.89	0.00000	0.00000	0.00000	0.00000	0.00000
4.50	0.00000	0.90	0.00000	0.00000	0.00000	0.00000	0.00000
4.55	0.00000	0.91	0.00000	0.00000	0.00000	0.00000	0.00000
4.60	0.00000	0.92	0.00000	0.00000	0.00000	0.00000	0.00000
4.65	0.00000	0.93	0.00000	0.00000	0.00000	0.00000	0.00000
4.70	0.00000	0.94	0.00000	0.00000	0.00000	0.00000	0.00000
4.75	0.00000	0.95	0.00000	0.00000	0.00000	0.00000	0.00000
4.80	0.00000	0.96	0.00000	0.00000	0.00000	0.00000	0.00000
4.85	0.00000	0.97	0.00000	0.00000	0.00000	0.00000	0.00000
4.90	0.00000	0.98	0.00000	0.00000	0.00000	0.00000	0.00000
4.95	0.00000	0.99	0.02404	0.00000	0.00000	0.00000	0.00000

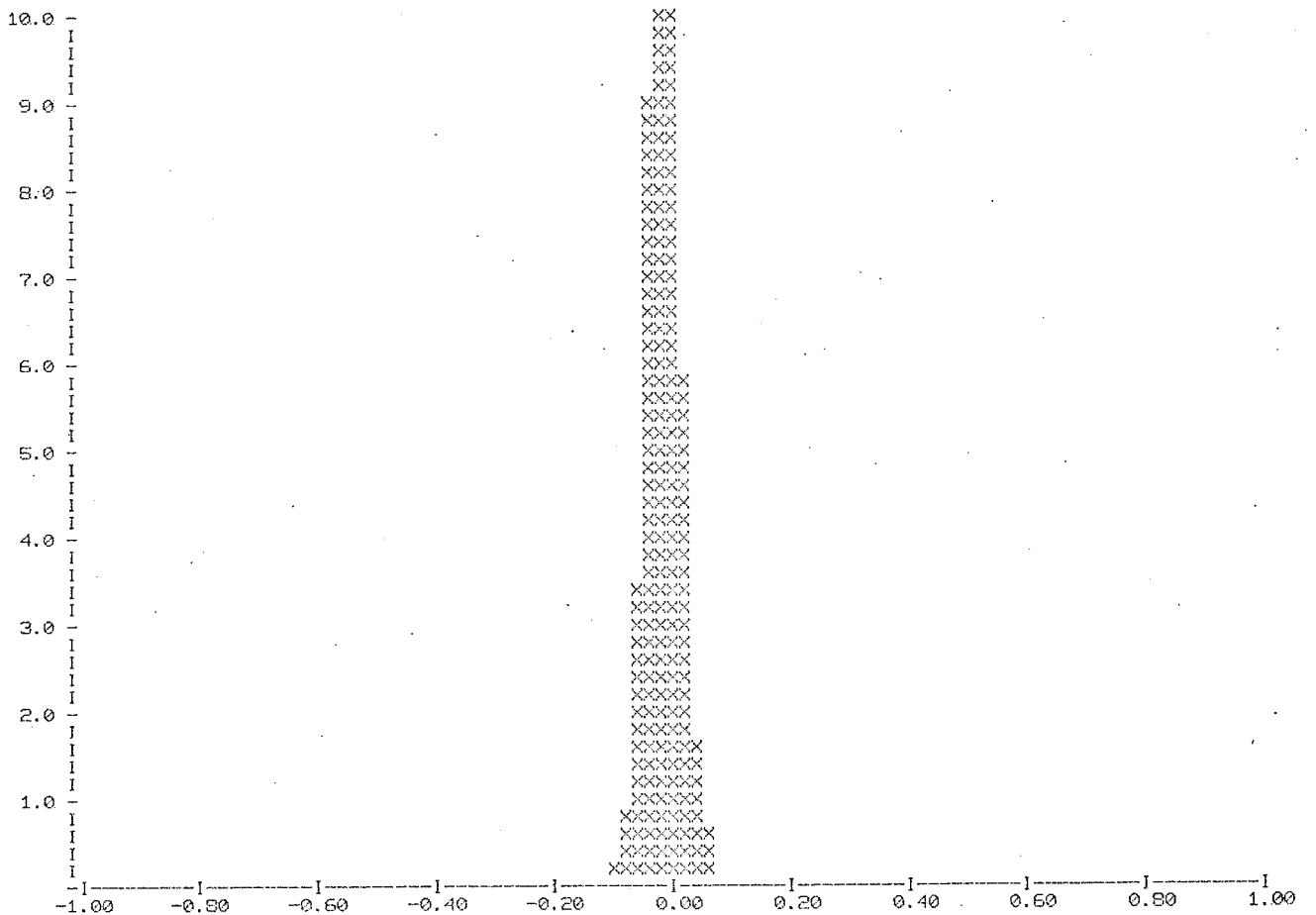
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335



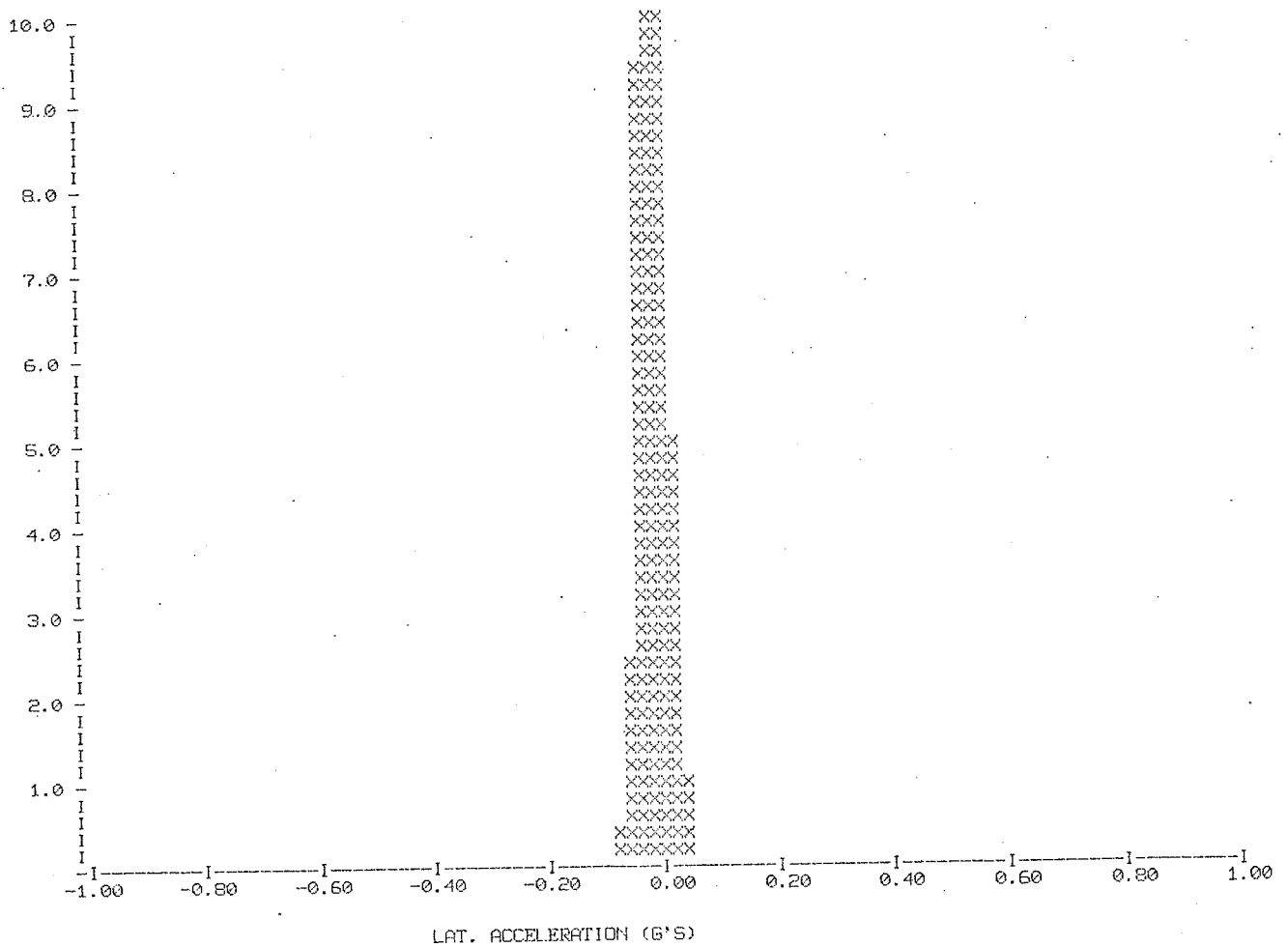
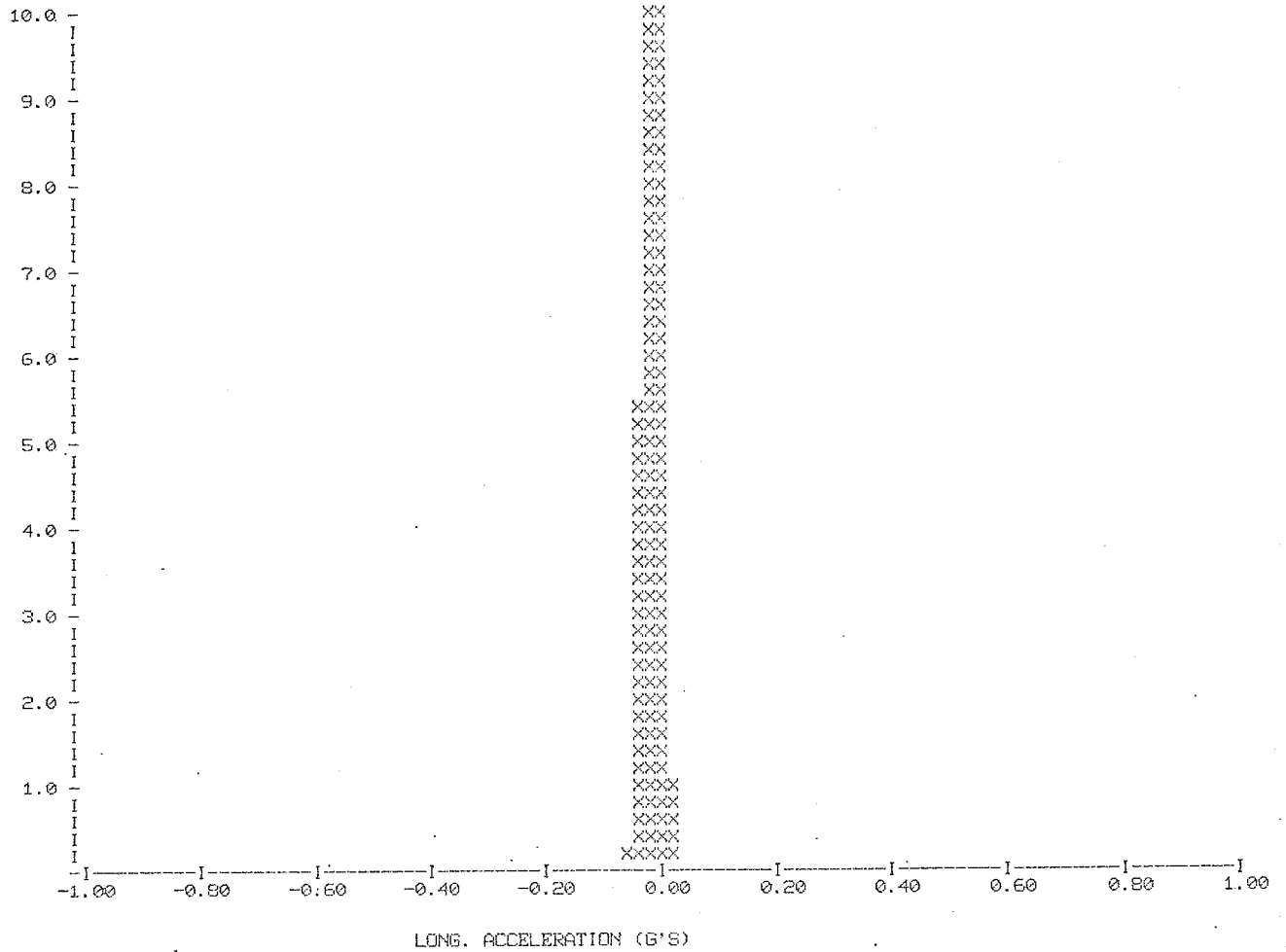
YAW (RAD./SEC./SEC.)



VERT. ACCELERATION (G'S)

PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335



DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TCA 023 Car 850 RECS: 3207-3335

ABSCISSA 1: Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.00000	-1.00	0.00000	0.00000	0.00000	0.00000	0.00000
-4.95	0.00000	-0.99	0.00005	0.00000	0.00000	0.00000	0.00000
-4.90	0.00000	-0.98	0.00010	0.00000	0.00000	0.00000	0.00000
-4.85	0.00000	-0.97	0.00015	0.00000	0.00000	0.00000	0.00000
-4.80	0.00000	-0.96	0.00020	0.00000	0.00000	0.00000	0.00000
-4.75	0.00000	-0.95	0.00025	0.00000	0.00000	0.00000	0.00000
-4.70	0.00000	-0.94	0.00030	0.00000	0.00000	0.00000	0.00000
-4.65	0.00000	-0.93	0.00035	0.00000	0.00000	0.00000	0.00000
-4.60	0.00000	-0.92	0.00040	0.00000	0.00000	0.00000	0.00000
-4.55	0.00000	-0.91	0.00045	0.00000	0.00000	0.00000	0.00000
-4.50	0.00000	-0.90	0.00050	0.00000	0.00000	0.00000	0.00000
-4.45	0.00000	-0.89	0.00055	0.00000	0.00000	0.00000	0.00000
-4.40	0.00000	-0.88	0.00060	0.00000	0.00000	0.00000	0.00000
-4.35	0.00000	-0.87	0.00065	0.00000	0.00000	0.00000	0.00000
-4.30	0.00000	-0.86	0.00070	0.00000	0.00000	0.00000	0.00000
-4.25	0.00000	-0.85	0.00075	0.00000	0.00000	0.00000	0.00000
-4.20	0.00000	-0.84	0.00080	0.00000	0.00000	0.00000	0.00000
-4.15	0.00000	-0.83	0.00085	0.00000	0.00000	0.00000	0.00000
-4.10	0.00000	-0.82	0.00090	0.00000	0.00000	0.00000	0.00000
-4.05	0.00000	-0.81	0.00095	0.00000	0.00000	0.00000	0.00000
-4.00	0.00000	-0.80	0.00100	0.00000	0.00000	0.00000	0.00000
-3.95	0.00000	-0.79	0.00105	0.00000	0.00000	0.00000	0.00000
-3.90	0.00000	-0.78	0.00110	0.00000	0.00000	0.00000	0.00000
-3.85	0.00000	-0.77	0.00115	0.00000	0.00000	0.00000	0.00000
-3.80	0.00000	-0.76	0.00120	0.00000	0.00000	0.00000	0.00000
-3.75	0.00000	-0.75	0.00125	0.00000	0.00000	0.00000	0.00000
-3.70	0.00000	-0.74	0.00130	0.00000	0.00000	0.00000	0.00000
-3.65	0.00000	-0.73	0.00135	0.00000	0.00000	0.00000	0.00000
-3.60	0.00000	-0.72	0.00140	0.00000	0.00000	0.00000	0.00000
-3.55	0.00000	-0.71	0.00145	0.00000	0.00000	0.00000	0.00000
-3.50	0.00000	-0.70	0.00150	0.00000	0.00000	0.00000	0.00000
-3.45	0.00000	-0.69	0.00155	0.00000	0.00000	0.00000	0.00000
-3.40	0.00000	-0.68	0.00160	0.00000	0.00000	0.00000	0.00000
-3.35	0.00005	-0.67	0.00165	0.00000	0.00000	0.00000	0.00000
-3.30	0.00010	-0.66	0.00170	0.00000	0.00000	0.00000	0.00000
-3.25	0.00015	-0.65	0.00175	0.00000	0.00000	0.00000	0.00000
-3.20	0.00020	-0.64	0.00180	0.00000	0.00000	0.00000	0.00000
-3.15	0.00025	-0.63	0.00185	0.00000	0.00000	0.00000	0.00000
-3.10	0.00030	-0.62	0.00190	0.00000	0.00000	0.00000	0.00000
-3.05	0.00035	-0.61	0.00195	0.00000	0.00000	0.00000	0.00000
-3.00	0.00040	-0.60	0.00200	0.00000	0.00000	0.00000	0.00000
-2.95	0.00045	-0.59	0.00205	0.00000	0.00000	0.00000	0.00000
-2.90	0.00050	-0.58	0.00210	0.00000	0.00000	0.00000	0.00000
-2.85	0.00055	-0.57	0.00215	0.00000	0.00000	0.00000	0.00000
-2.80	0.00060	-0.56	0.00220	0.00000	0.00000	0.00000	0.00000
-2.75	0.00065	-0.55	0.00225	0.00000	0.00000	0.00000	0.00000
-2.70	0.00070	-0.54	0.00230	0.00000	0.00000	0.00000	0.00000
-2.65	0.00075	-0.53	0.00235	0.00000	0.00000	0.00000	0.00000
-2.60	0.00080	-0.52	0.00240	0.00000	0.00000	0.00000	0.00000
-2.55	0.00085	-0.51	0.00245	0.00000	0.00000	0.00000	0.00000
-2.50	0.00090	-0.50	0.00250	0.00000	0.00000	0.00000	0.00000
-2.45	0.00095	-0.49	0.00255	0.00000	0.00000	0.00000	0.00000
-2.40	0.00100	-0.48	0.00260	0.00000	0.00000	0.00000	0.00000
-2.35	0.00105	-0.47	0.00265	0.00000	0.00000	0.00000	0.00000
-2.30	0.00110	-0.46	0.00270	0.00000	0.00000	0.00000	0.00000
-2.25	0.00115	-0.45	0.00275	0.00000	0.00000	0.00000	0.00000
-2.20	0.00120	-0.44	0.00280	0.00000	0.00000	0.00000	0.00000
-2.15	0.00125	-0.43	0.00285	0.00000	0.00000	0.00000	0.00000
-2.10	0.00130	-0.42	0.00290	0.00000	0.00000	0.00000	0.00000
-2.05	0.00135	-0.41	0.00295	0.00000	0.00000	0.00000	0.00000
-2.00	0.00140	-0.40	0.00300	0.00000	0.00000	0.00000	0.00000
-1.95	0.00145	-0.39	0.00305	0.00000	0.00000	0.00000	0.00000
-1.90	0.00150	-0.38	0.00310	0.00000	0.00000	0.00000	0.00000
-1.85	0.00155	-0.37	0.00315	0.00000	0.00000	0.00000	0.00000
-1.80	0.00160	-0.36	0.00320	0.00000	0.00000	0.00000	0.00000
-1.75	0.00165	-0.35	0.00325	0.00000	0.00000	0.00000	0.00000
-1.70	0.00170	-0.34	0.00330	0.00000	0.00000	0.00000	0.00000
-1.65	0.00175	-0.33	0.00335	0.00000	0.00000	0.00000	0.00000
-1.60	0.00180	-0.32	0.00340	0.00000	0.00000	0.00000	0.00000
-1.55	0.00185	-0.31	0.00345	0.00000	0.00000	0.00000	0.00000
-1.50	0.00190	-0.30	0.00350	0.00000	0.00000	0.00000	0.00000
-1.45	0.00195	-0.29	0.00355	0.00000	0.00000	0.00000	0.00000
-1.40	0.00200	-0.28	0.00360	0.00000	0.00000	0.00000	0.00000
-1.35	0.00205	-0.27	0.00365	0.00000	0.00000	0.00000	0.00000
-1.30	0.00210	-0.26	0.00370	0.00000	0.00000	0.00000	0.00000
-1.25	0.00215	-0.25	0.00375	0.00000	0.00000	0.00000	0.00000
-1.20	0.00220	-0.24	0.00380	0.00000	0.00000	0.00000	0.00000
-1.15	0.00225	-0.23	0.00385	0.00000	0.00000	0.00000	0.00000
-1.10	0.00230	-0.22	0.00390	0.00000	0.00000	0.00000	0.00000
-1.05	0.00235	-0.21	0.00395	0.00000	0.00000	0.00000	0.00000
-1.00	0.00240	-0.20	0.00400	0.00000	0.00000	0.00000	0.00000
-0.95	0.00245	-0.19	0.00405	0.00000	0.00000	0.00000	0.00000
-0.90	0.00250	-0.18	0.00410	0.00000	0.00000	0.00000	0.00000
-0.85	0.00255	-0.17	0.00415	0.00000	0.00000	0.00000	0.00000
-0.80	0.00260	-0.16	0.00420	0.00000	0.00000	0.00000	0.00000
-0.75	0.00265	-0.15	0.00425	0.00000	0.00000	0.00000	0.00000
-0.70	0.00270	-0.14	0.00430	0.00000	0.00000	0.00000	0.00000
-0.65	0.00275	-0.13	0.00435	0.00000	0.00000	0.00000	0.00000
-0.60	0.00280	-0.12	0.00440	0.00000	0.00000	0.00000	0.00000
-0.55	0.00285	-0.11	0.00445	0.00000	0.00000	0.00000	0.00000
-0.50	0.00290	-0.10	0.00450	0.00000	0.00000	0.00000	0.00000
-0.45	0.00295	-0.09	0.00455	0.00000	0.00000	0.00000	0.00000
-0.40	0.00300	-0.08	0.00460	0.00000	0.00000	0.00000	0.00000
-0.35	0.00305	-0.07	0.00465	0.00000	0.00000	0.00000	0.00000
-0.30	0.00310	-0.06	0.00470	0.00000	0.00000	0.00000	0.00000
-0.25	0.00315	-0.05	0.00475	0.00000	0.00000	0.00000	0.00000
-0.20	0.00320	-0.04	0.00480	0.00000	0.00000	0.00000	0.00000
-0.15	0.00325	-0.03	0.00485	0.00000	0.00000	0.00000	0.00000
-0.10	0.00330	-0.02	0.00490	0.00000	0.00000	0.00000	0.00000
-0.05	0.00335	-0.01	0.00495	0.00000	0.00000	0.00000	0.00000



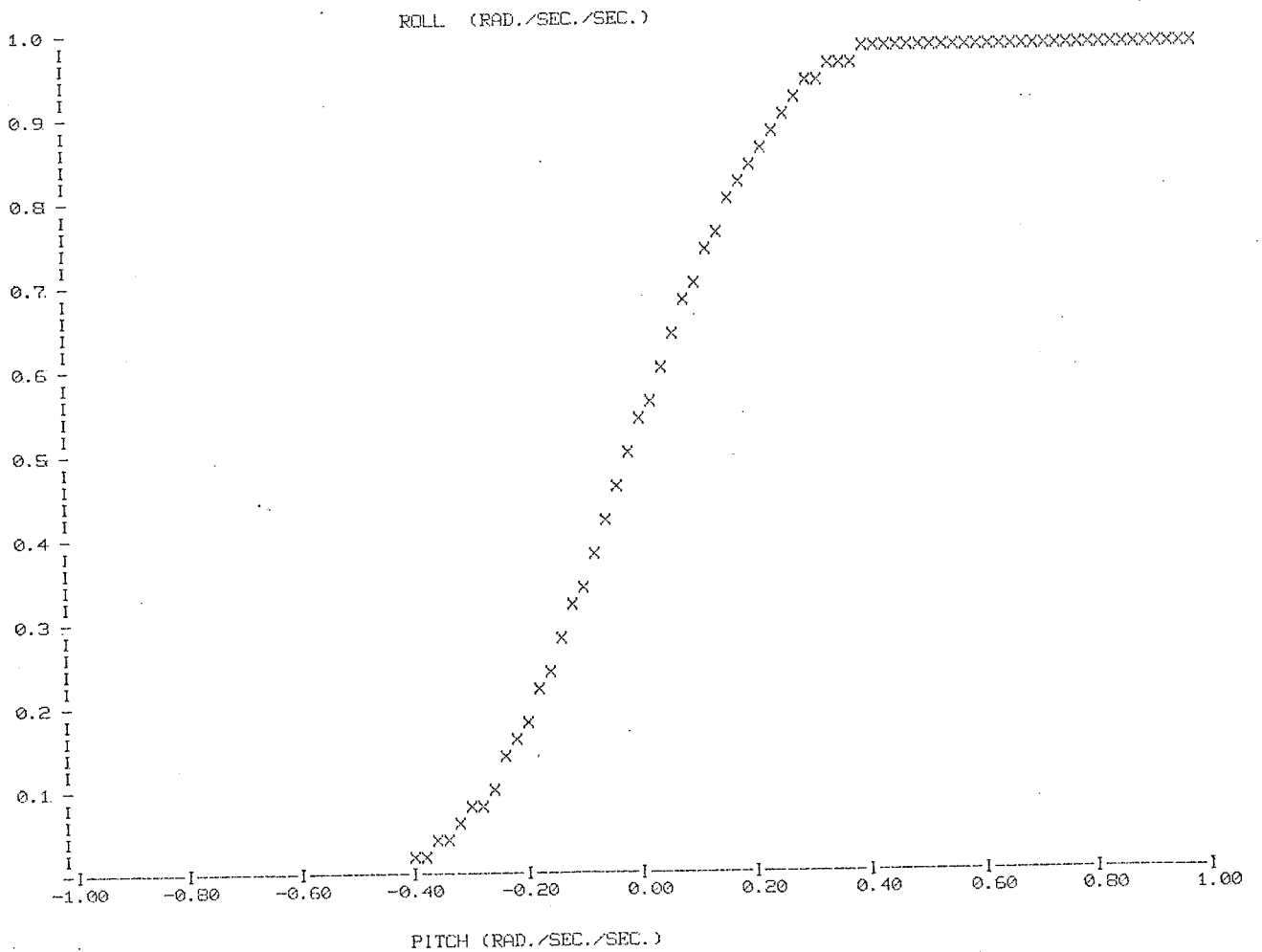
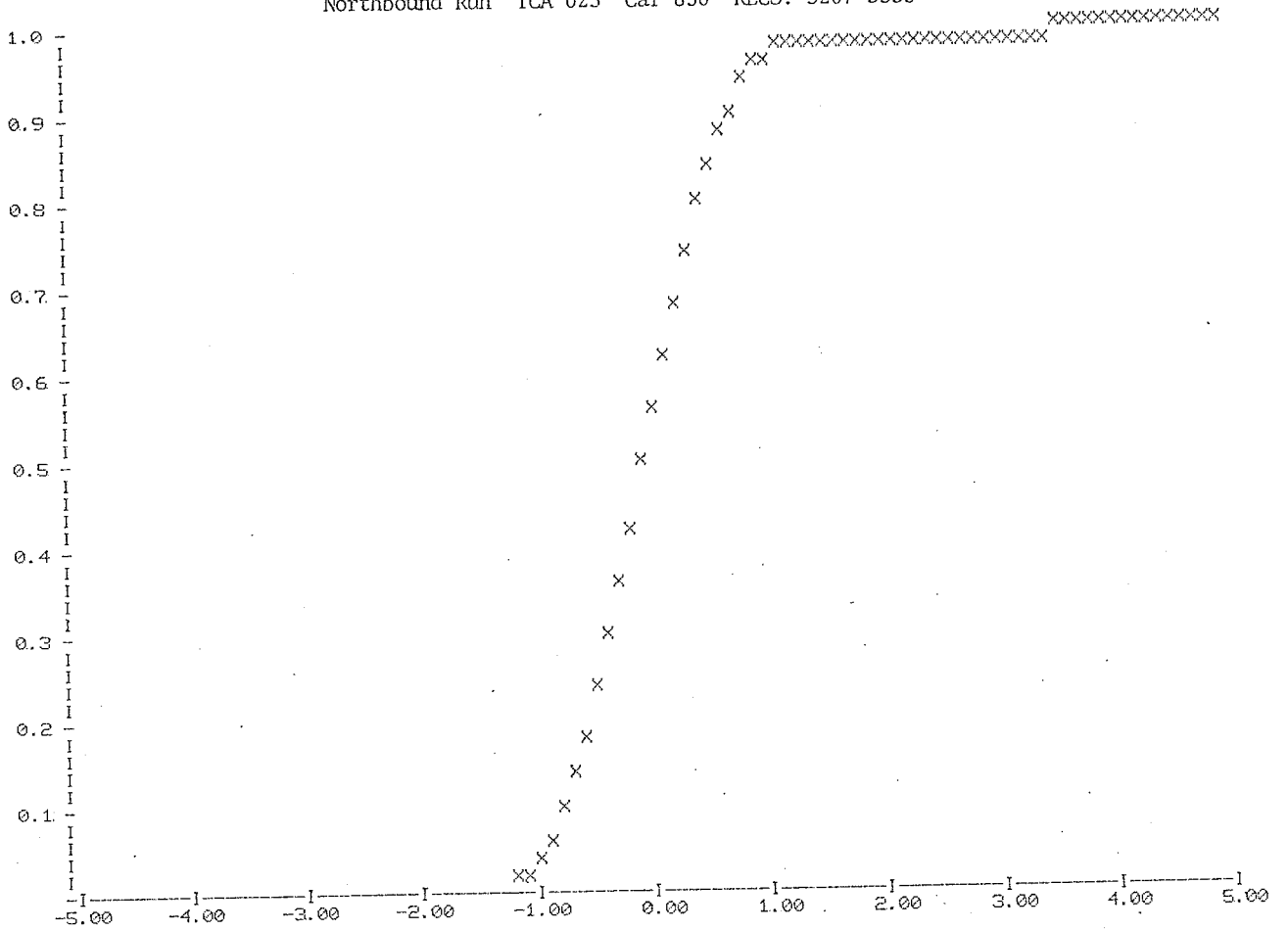
DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TCA 023 Car 850 RECS: 3207-3335

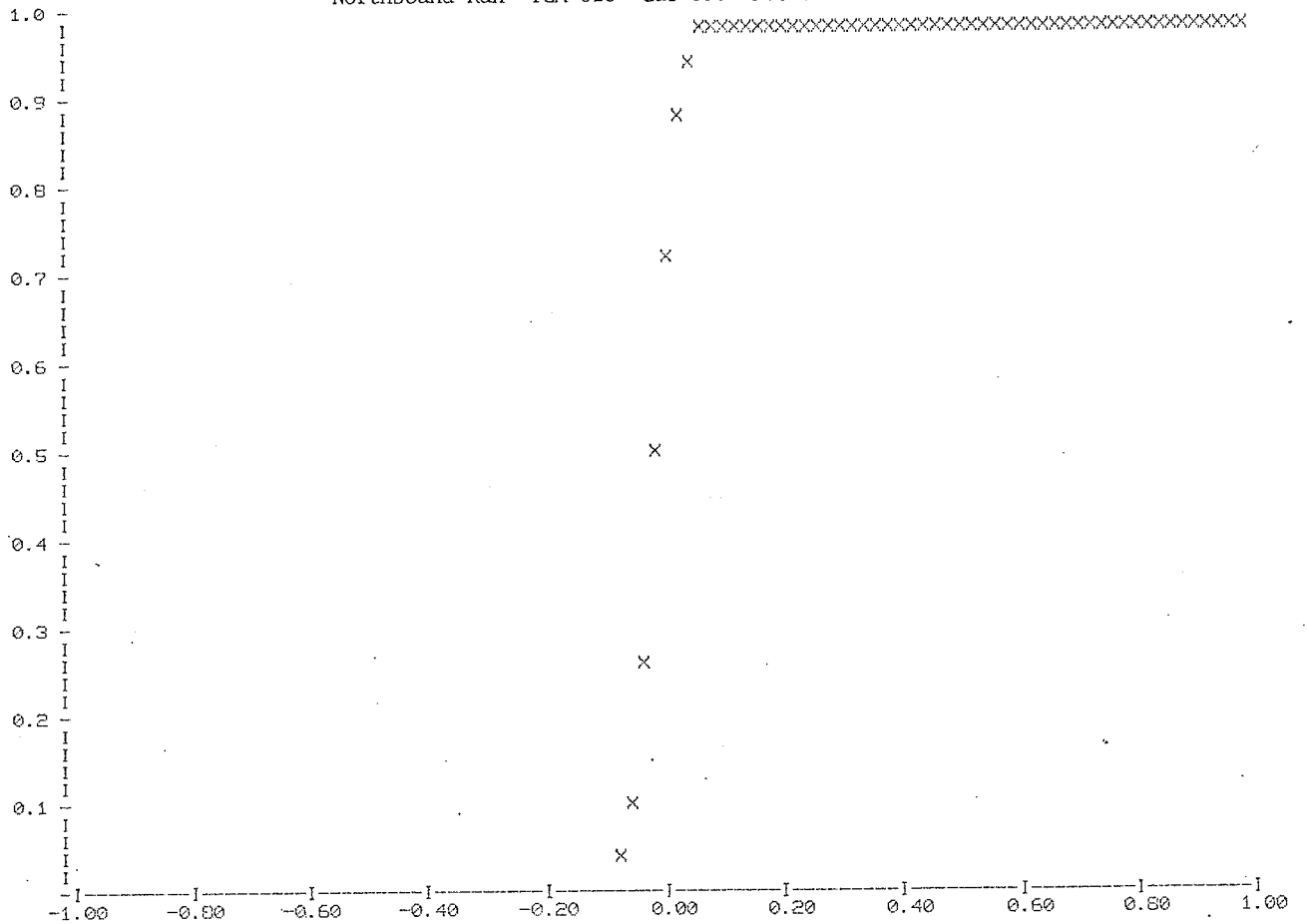
ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG..(G's)	LAT. (G's)
0.00	0.54273	0.00	0.52338	0.62488	0.65065	0.77482	0.66286
0.05	0.57230	0.01	0.54201	0.73311	0.77446	0.93654	0.80234
0.10	0.60647	0.02	0.56004	0.81845	0.86671	0.98682	0.90198
0.15	0.63738	0.03	0.57975	0.88017	0.92578	0.99675	0.95319
0.20	0.66815	0.04	0.59626	0.92506	0.95745	0.99946	0.97939
0.25	0.69994	0.05	0.61737	0.95553	0.97500	0.99988	0.99129
0.30	0.72825	0.06	0.64974	0.97055	0.98383	0.99994	0.99645
0.35	0.75589	0.07	0.68434	0.98119	0.98995	1.00000	0.99820
0.40	0.78209	0.08	0.66611	0.98900	0.99327	1.00000	0.99874
0.45	0.80481	0.09	0.68245	0.99453	0.99525	1.00000	0.99904
0.50	0.82614	0.10	0.69982	0.99778	0.99688	1.00000	0.99940
0.55	0.84976	0.11	0.71589	0.99916	0.99784	1.00000	0.99964
0.60	0.87013	0.12	0.73311	0.99940	0.99802	1.00000	0.99970
0.65	0.88660	0.13	0.74772	0.99964	0.99852	1.00000	0.99982
0.70	0.90240	0.14	0.76484	0.99988	0.99910	1.00000	0.99994
0.75	0.91659	0.15	0.77752	1.00000	0.99946	1.00000	1.00000
0.80	0.92961	0.16	0.79333	1.00000	0.99946	1.00000	1.00000
0.85	0.94165	0.17	0.80549	1.00000	0.99964	1.00000	1.00000
0.90	0.95150	0.18	0.82109	1.00000	0.99982	1.00000	1.00000
0.95	0.95016	0.19	0.83389	1.00000	0.99994	1.00000	1.00000
1.00	0.95839	0.20	0.84700	1.00000	0.99994	1.00000	1.00000
1.05	0.97506	0.21	0.85829	1.00000	1.00000	1.00000	1.00000
1.10	0.98047	0.22	0.86823	1.00000	1.00000	1.00000	1.00000
1.15	0.98504	0.23	0.87987	1.00000	1.00000	1.00000	1.00000
1.20	0.98870	0.24	0.88954	1.00000	1.00000	1.00000	1.00000
1.25	0.99129	0.25	0.89904	1.00000	1.00000	1.00000	1.00000
1.30	0.99375	0.26	0.90757	1.00000	1.00000	1.00000	1.00000
1.35	0.99543	0.27	0.91555	1.00000	1.00000	1.00000	1.00000
1.40	0.99630	0.28	0.92500	1.00000	1.00000	1.00000	1.00000
1.45	0.99724	0.29	0.93209	1.00000	1.00000	1.00000	1.00000
1.50	0.99820	0.30	0.93906	1.00000	1.00000	1.00000	1.00000
1.55	0.99850	0.31	0.94483	1.00000	1.00000	1.00000	1.00000
1.60	0.99892	0.32	0.94934	1.00000	1.00000	1.00000	1.00000
1.65	0.99922	0.33	0.95481	1.00000	1.00000	1.00000	1.00000
1.70	0.99928	0.34	0.95853	1.00000	1.00000	1.00000	1.00000
1.75	0.99928	0.35	0.96256	1.00000	1.00000	1.00000	1.00000
1.80	0.99934	0.36	0.96629	1.00000	1.00000	1.00000	1.00000
1.85	0.99946	0.37	0.97049	1.00000	1.00000	1.00000	1.00000
1.90	0.99958	0.38	0.97410	1.00000	1.00000	1.00000	1.00000
1.95	0.99970	0.39	0.97698	1.00000	1.00000	1.00000	1.00000
2.00	0.99976	0.40	0.97969	1.00000	1.00000	1.00000	1.00000
2.05	0.99976	0.41	0.98209	1.00000	1.00000	1.00000	1.00000
2.10	0.99982	0.42	0.98371	1.00000	1.00000	1.00000	1.00000
2.15	0.99982	0.43	0.98570	1.00000	1.00000	1.00000	1.00000
2.20	0.99989	0.44	0.98744	1.00000	1.00000	1.00000	1.00000
2.25	0.99989	0.45	0.98846	1.00000	1.00000	1.00000	1.00000
2.30	0.99988	0.46	0.98966	1.00000	1.00000	1.00000	1.00000
2.35	0.99994	0.47	0.99135	1.00000	1.00000	1.00000	1.00000
2.40	0.99994	0.48	0.99261	1.00000	1.00000	1.00000	1.00000
2.45	0.99994	0.49	0.99321	1.00000	1.00000	1.00000	1.00000
2.50	0.99994	0.50	0.99417	1.00000	1.00000	1.00000	1.00000
2.55	0.99994	0.51	0.99471	1.00000	1.00000	1.00000	1.00000
2.60	0.99994	0.52	0.99531	1.00000	1.00000	1.00000	1.00000
2.65	0.99994	0.53	0.99597	1.00000	1.00000	1.00000	1.00000
2.70	0.99994	0.54	0.99621	1.00000	1.00000	1.00000	1.00000
2.75	0.99994	0.55	0.99657	1.00000	1.00000	1.00000	1.00000
2.80	0.99994	0.56	0.99694	1.00000	1.00000	1.00000	1.00000
2.85	0.99994	0.57	0.99706	1.00000	1.00000	1.00000	1.00000
2.90	0.99994	0.58	0.99742	1.00000	1.00000	1.00000	1.00000
2.95	0.99994	0.59	0.99778	1.00000	1.00000	1.00000	1.00000
3.00	0.99994	0.60	0.99808	1.00000	1.00000	1.00000	1.00000
3.05	0.99994	0.61	0.99814	1.00000	1.00000	1.00000	1.00000
3.10	0.99994	0.62	0.99832	1.00000	1.00000	1.00000	1.00000
3.15	0.99994	0.63	0.99856	1.00000	1.00000	1.00000	1.00000
3.20	0.99994	0.64	0.99874	1.00000	1.00000	1.00000	1.00000
3.25	0.99994	0.65	0.99880	1.00000	1.00000	1.00000	1.00000
3.30	0.99994	0.66	0.99880	1.00000	1.00000	1.00000	1.00000
3.35	0.99994	0.67	0.99886	1.00000	1.00000	1.00000	1.00000
3.40	0.99994	0.68	0.99898	1.00000	1.00000	1.00000	1.00000
3.45	0.99994	0.69	0.99938	1.00000	1.00000	1.00000	1.00000
3.50	1.00000	0.70	0.99910	1.00000	1.00000	1.00000	1.00000
3.55	1.00000	0.71	0.99910	1.00000	1.00000	1.00000	1.00000
3.60	1.00000	0.72	0.99910	1.00000	1.00000	1.00000	1.00000
3.65	1.00000	0.73	0.99910	1.00000	1.00000	1.00000	1.00000
3.70	1.00000	0.74	0.99916	1.00000	1.00000	1.00000	1.00000
3.75	1.00000	0.75	0.99922	1.00000	1.00000	1.00000	1.00000
3.80	1.00000	0.76	0.99934	1.00000	1.00000	1.00000	1.00000
3.85	1.00000	0.77	0.99940	1.00000	1.00000	1.00000	1.00000
3.90	1.00000	0.78	0.99940	1.00000	1.00000	1.00000	1.00000
3.95	1.00000	0.79	0.99940	1.00000	1.00000	1.00000	1.00000
4.00	1.00000	0.80	0.99940	1.00000	1.00000	1.00000	1.00000
4.05	1.00000	0.81	0.99952	1.00000	1.00000	1.00000	1.00000
4.10	1.00000	0.82	0.99970	1.00000	1.00000	1.00000	1.00000
4.15	1.00000	0.83	0.99970	1.00000	1.00000	1.00000	1.00000
4.20	1.00000	0.84	0.99970	1.00000	1.00000	1.00000	1.00000
4.25	1.00000	0.85	0.99970	1.00000	1.00000	1.00000	1.00000
4.30	1.00000	0.86	0.99976	1.00000	1.00000	1.00000	1.00000
4.35	1.00000	0.87	0.99976	1.00000	1.00000	1.00000	1.00000
4.40	1.00000	0.88	0.99976	1.00000	1.00000	1.00000	1.00000
4.45	1.00000	0.89	0.99976	1.00000	1.00000	1.00000	1.00000
4.50	1.00000	0.90	0.99976	1.00000	1.00000	1.00000	1.00000
4.55	1.00000	0.91	0.99976	1.00000	1.00000	1.00000	1.00000
4.60	1.00000	0.92	0.99976	1.00000	1.00000	1.00000	1.00000
4.65	1.00000	0.93	0.99976	1.00000	1.00000	1.00000	1.00000
4.70	1.00000	0.94	0.99976	1.00000	1.00000	1.00000	1.00000
4.75	1.00000	0.95	0.99976	1.00000	1.00000	1.00000	1.00000
4.80	1.00000	0.96	0.99976	1.00000	1.00000	1.00000	1.00000
4.85	1.00000	0.97	0.99976	1.00000	1.00000	1.00000	1.00000
4.90	1.00000	0.98	0.99976	1.00000	1.00000	1.00000	1.00000
4.95	1.00000	0.99	1.00000	1.00000	1.00000	1.00000	1.00000

DISTRIBUTION FUNCTION ESTIMATE

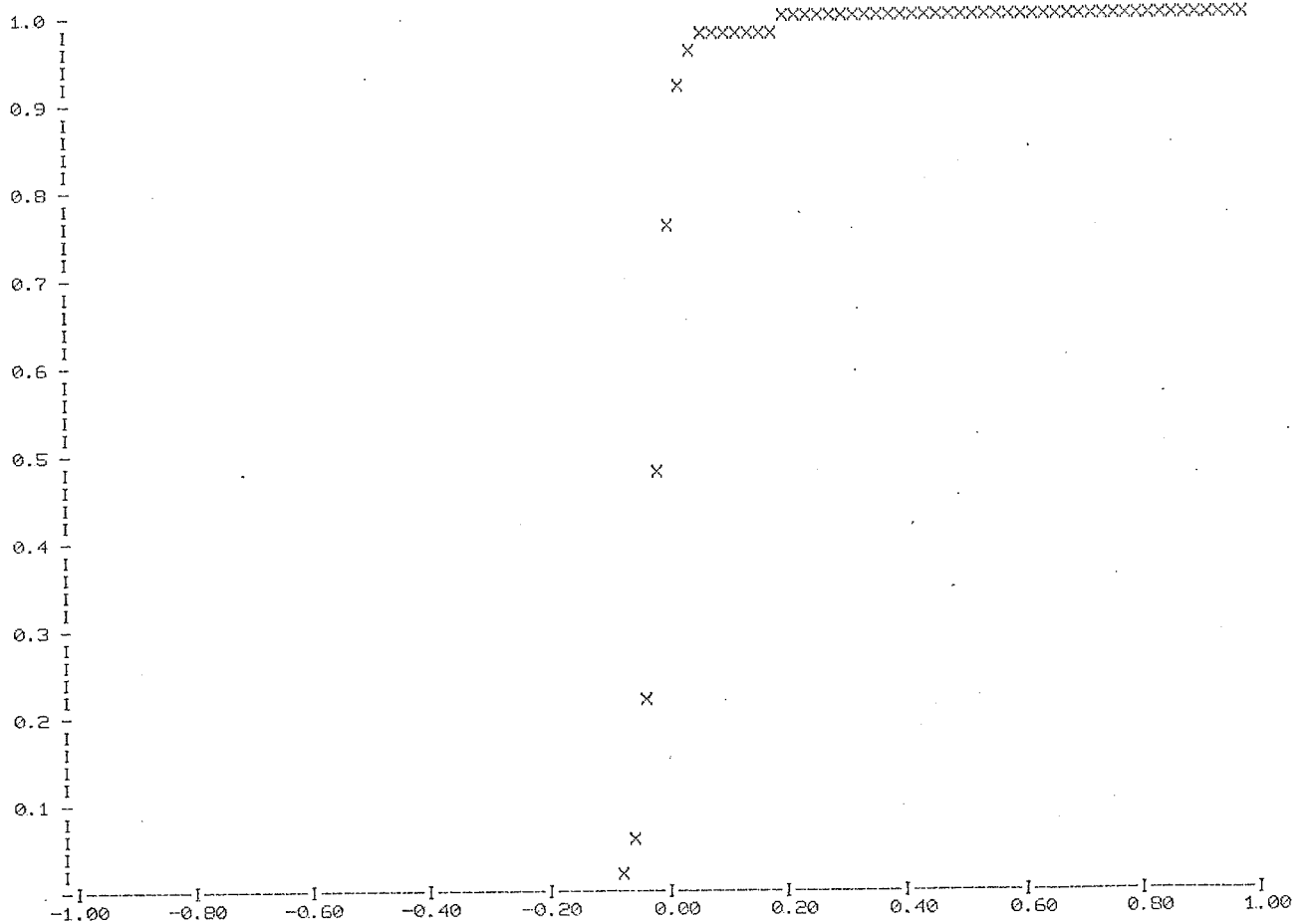
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335

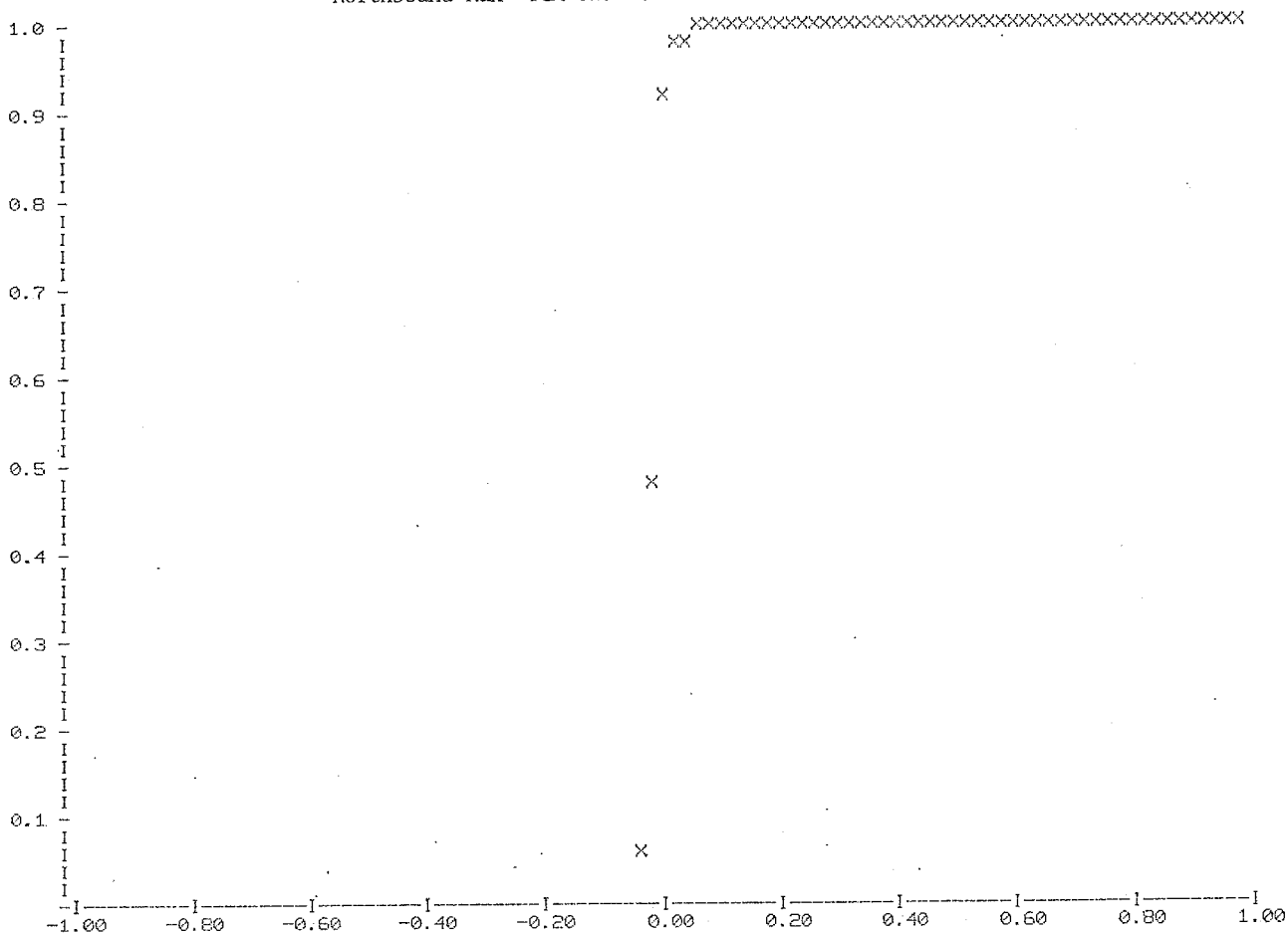


YAW (RAD./SEC./SEC.)

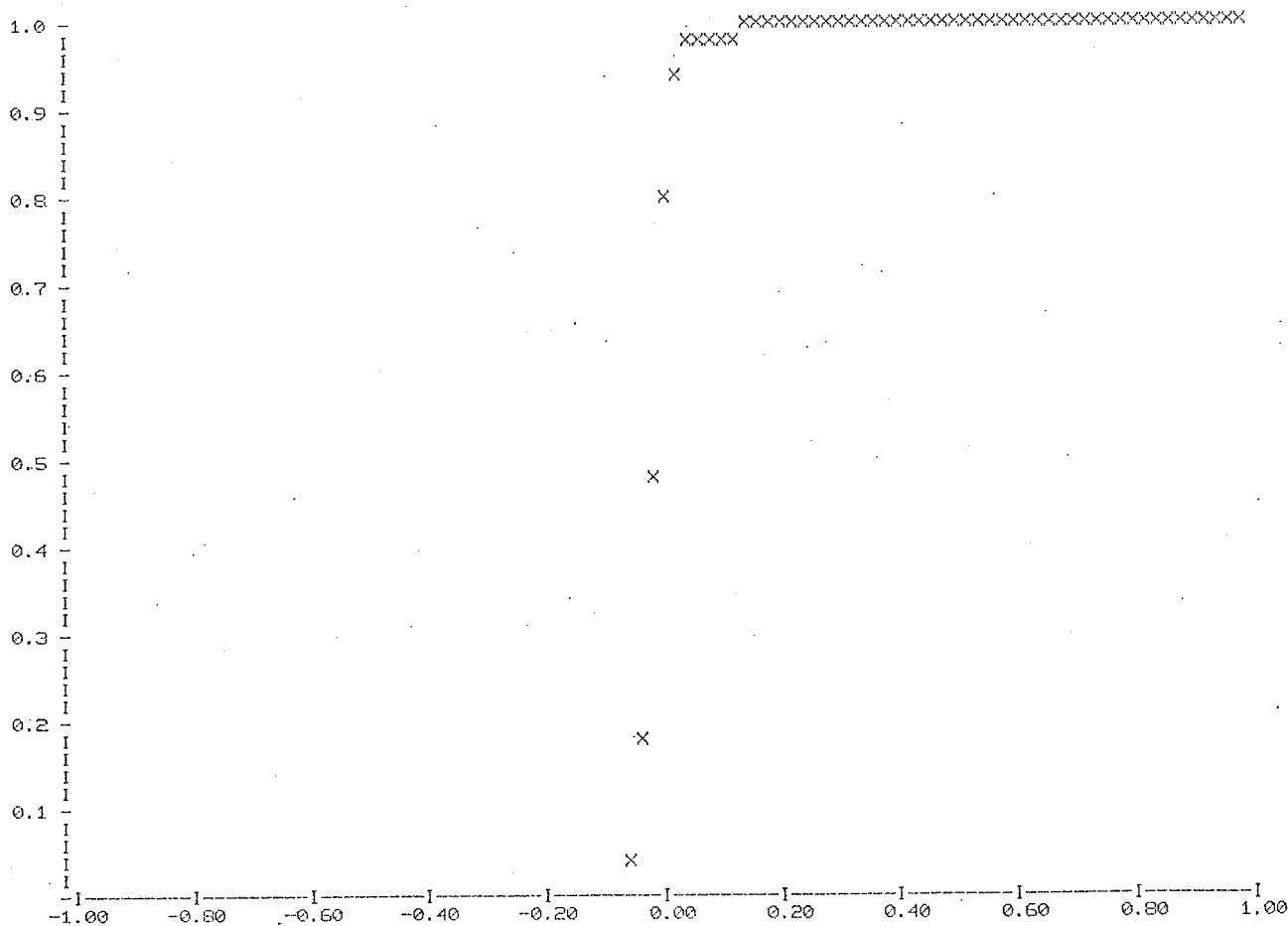


VERT. ACCELERATION (G'S)

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3207-3335

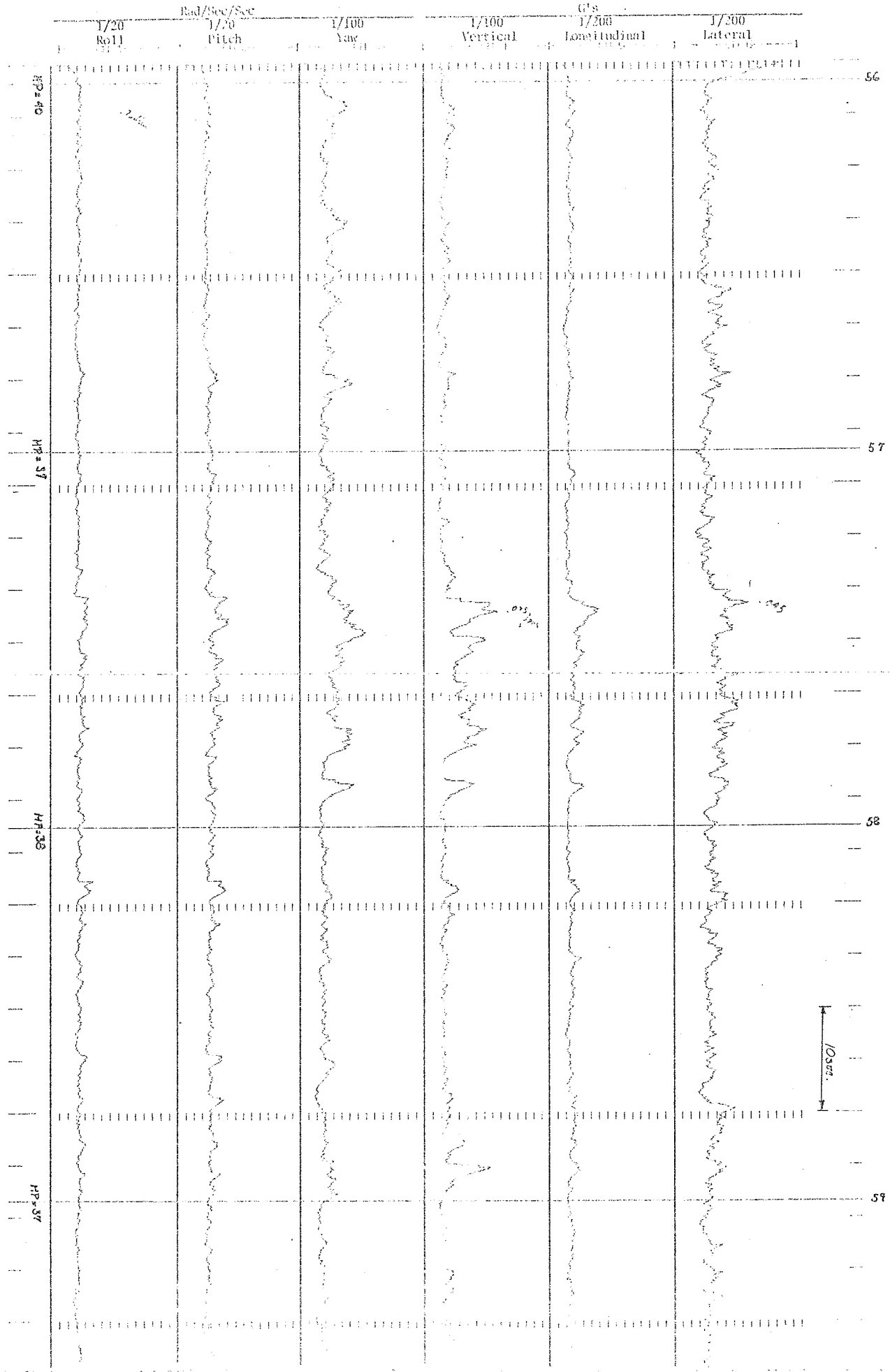


LONG. ACCELERATION (G'S)



LAT. ACCELERATION (G'S)

Merrolmer Truck Test, 40-115.1, 6 May 75, 250 Hz  
Northbound Run TCA 025 Car 830 RACS: 3207-3555



ISO Bands-RMS ACCELERATION IN G S

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL	
1.0 HZ	LB	0.00012	0.00000	0.00000	10.0 HZ	LB	0.00146	0.00246	0.00237
	EU	0.00139	0.00247	0.00269		EU	0.00219	0.00352	0.00385
	UB	0.00196	0.00357	0.00414		UB	0.00273	0.00432	0.00490
1.3 HZ	LB	0.00036	0.00000	0.00187	12.5 HZ	LB	0.00217	0.00316	0.00330
	EU	0.00119	0.00283	0.00444		EU	0.00255	0.00376	0.00396
	UB	0.00164	0.00419	0.00599		UB	0.00287	0.00428	0.00452
1.6 HZ	LB	0.00058	0.00180	0.00417	16.0 HZ	LB	0.00154	0.00174	0.00180
	EU	0.00099	0.00434	0.00650		EU	0.00173	0.00229	0.00252
	UB	0.00128	0.00586	0.00819		UB	0.00190	0.00274	0.00307
2.0 HZ	LB	0.00049	0.00319	0.00268	20.0 HZ	LB	0.00121	0.00153	0.00168
	EU	0.00064	0.00483	0.00687		EU	0.00147	0.00191	0.00209
	UB	0.00076	0.00605	0.00933		UB	0.00169	0.00222	0.00243
2.5 HZ	LB	0.00042	0.00289	0.00146	25.0 HZ	LB	0.00157	0.00154	0.00208
	EU	0.00072	0.00469	0.00684		EU	0.00189	0.00184	0.00246
	UB	0.00092	0.00597	0.00956		UB	0.00216	0.00210	0.00280
3.1 HZ	LB	0.00056	0.00257	0.00000	31.5 HZ	LB	0.00284	0.00296	0.00509
	EU	0.00083	0.00371	0.00533		EU	0.00327	0.00331	0.00586
	UB	0.00102	0.00457	0.01012		UB	0.00365	0.00364	0.00654
4.0 HZ	LB	0.00095	0.00248	0.00345	40.0 HZ	LB	0.00266	0.00178	0.00386
	EU	0.00146	0.00439	0.00719		EU	0.00298	0.00192	0.00427
	UB	0.00184	0.00569	0.00957		UB	0.00327	0.00206	0.00466
5.0 HZ	LB	0.00000	0.00390	0.00000	50.0 HZ	LB	0.00425	0.00358	0.00491
	EU	0.00522	0.00685	0.01565		EU	0.00462	0.00387	0.00538
	UB	0.00820	0.00887	0.02402		UB	0.00496	0.00414	0.00581
6.3 HZ	LB	0.00236	0.00638	0.00000	63.0 HZ	LB	0.00349	0.00290	0.00445
	EU	0.00403	0.00942	0.01362		EU	0.00436	0.00322	0.00550
	UB	0.00519	0.01169	0.01957		UB	0.00508	0.00352	0.00639
8.0 HZ	LB	0.00323	0.00719	0.00220	80.0 HZ	LB	0.00234	0.00214	0.00292
	EU	0.00540	0.01090	0.00455		EU	0.00258	0.00230	0.00329
	UB	0.00692	0.01364	0.00620		UB	0.00280	0.00246	0.00363

ISO Bands - RMS ACCELERATION IN M/S<sup>2</sup>

1.0 HZ	LB	0.00118	0.00000	0.00000	10.0 HZ	LB	0.01433	0.02417	0.02326
	EU	0.01364	0.02418	0.02637		EU	0.02148	0.03448	0.03777
	UB	0.01926	0.03500	0.04064		UB	0.02679	0.04235	0.04809
1.3 HZ	LB	0.00356	0.00000	0.01836	12.5 HZ	LB	0.02131	0.03094	0.03233
	EU	0.01167	0.02826	0.04349		EU	0.02498	0.03690	0.03879
	UB	0.01611	0.04109	0.05870		UB	0.02817	0.04202	0.04432
1.6 HZ	LB	0.00567	0.01761	0.04088	16.0 HZ	LB	0.01508	0.01706	0.01769
	EU	0.00975	0.04253	0.06374		EU	0.01696	0.02248	0.02467
	UB	0.01257	0.05751	0.08034		UB	0.01866	0.02662	0.03007
2.0 HZ	LB	0.00485	0.03128	0.02631	20.0 HZ	LB	0.01191	0.01499	0.01646
	EU	0.00628	0.04740	0.06732		EU	0.01443	0.01872	0.02048
	UB	0.00745	0.05929	0.09150		UB	0.01658	0.02182	0.02382
2.5 HZ	LB	0.00413	0.02835	0.01435	25.0 HZ	LB	0.01535	0.01512	0.02035
	EU	0.00701	0.04599	0.06704		EU	0.01850	0.01809	0.02414
	UB	0.00902	0.05854	0.09372		UB	0.02118	0.02063	0.02741
3.1 HZ	LB	0.00551	0.02513	0.00000	31.5 HZ	LB	0.02784	0.02898	0.04991
	EU	0.00810	0.03636	0.06252		EU	0.03209	0.03250	0.05748
	UB	0.01003	0.04482	0.09921		UB	0.03584	0.03567	0.06416
4.0 HZ	LB	0.00933	0.02430	0.03380	40.0 HZ	LB	0.02608	0.01748	0.03782
	EU	0.01436	0.04302	0.07053		EU	0.02923	0.01886	0.04191
	UB	0.01804	0.05577	0.09384		UB	0.03208	0.02015	0.04563
5.0 HZ	LB	0.00000	0.03822	0.00000	50.0 HZ	LB	0.04170	0.03508	0.04812
	EU	0.05115	0.06716	0.15348		EU	0.04533	0.03794	0.05275
	UB	0.08043	0.08694	0.23554		UB	0.04868	0.04060	0.05700
6.3 HZ	LB	0.02319	0.06253	0.00000	63.0 HZ	LB	0.03426	0.02840	0.04360
	EU	0.03854	0.09235	0.13358		EU	0.04278	0.03159	0.05396
	UB	0.05088	0.11468	0.19193		UB	0.04986	0.03449	0.06263
8.0 HZ	LB	0.03171	0.07052	0.02156	80.0 HZ	LB	0.02298	0.02096	0.02860
	EU	0.05293	0.10691	0.04563		EU	0.02532	0.02260	0.03230
	UB	0.06781	0.13373	0.06082		UB	0.02746	0.02412	0.03562



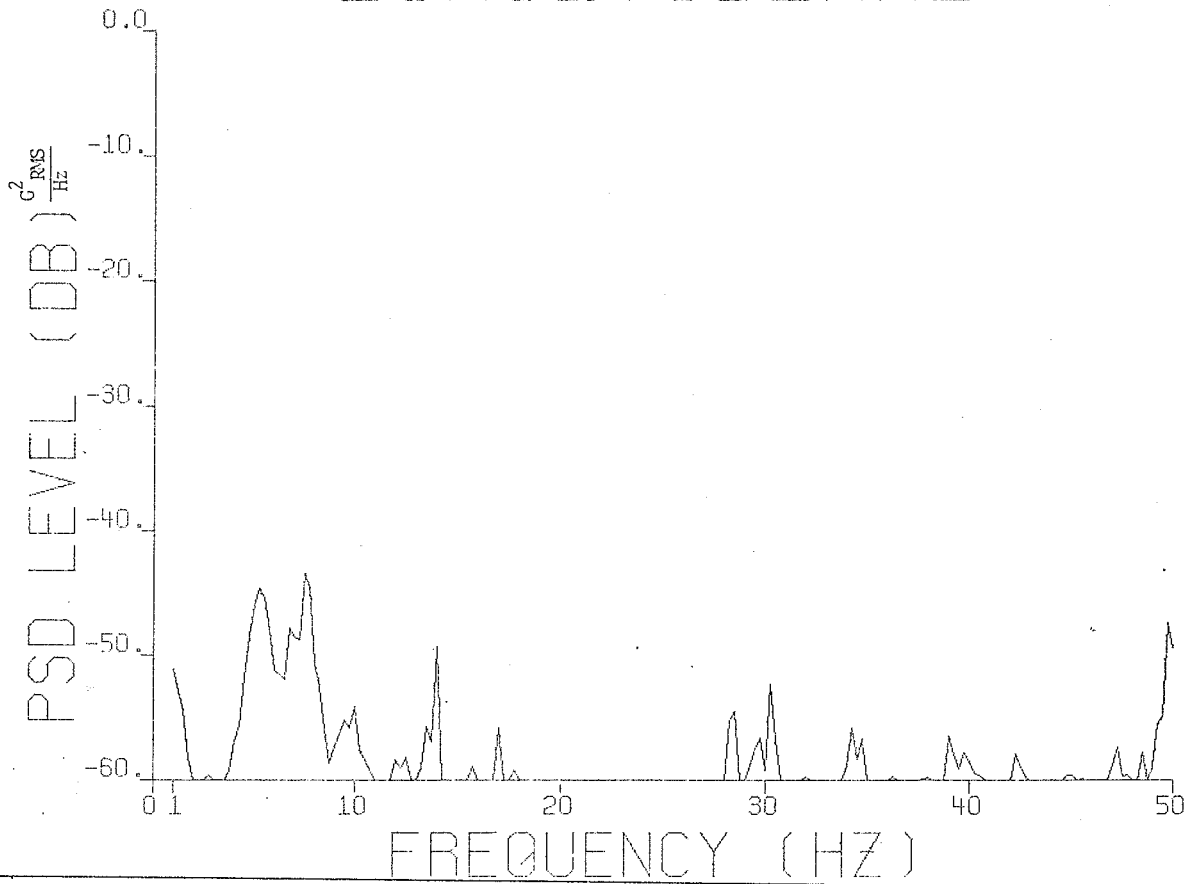
REDUCED COMFORT									
CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	24.00000	24.00000	24.00000	10.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000	24.00000
	UB	24.00000	20.70571	24.00000		UB	24.00000	24.00000	22.57813
1.3 HZ	LB	24.00000	24.00000	24.00000	12.5 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000	24.00000
	UB	24.00000	16.69162	24.00000		UB	24.00000	24.00000	24.00000
1.6 HZ	LB	24.00000	24.00000	24.00000	16.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	15.93102	21.23204		EU	24.00000	24.00000	24.00000
	UB	24.00000	10.57209	15.09118		UB	24.00000	24.00000	24.00000
2.0 HZ	LB	24.00000	24.00000	24.00000	20.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	13.75821	17.32862		EU	24.00000	24.00000	24.00000
	UB	24.00000	10.13973	11.95916		UB	24.00000	24.00000	24.00000
2.5 HZ	LB	24.00000	24.00000	24.00000	25.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	19.54641	15.16441		EU	24.00000	24.00000	24.00000
	UB	24.00000	14.12217	10.05862		UB	24.00000	24.00000	24.00000
3.1 HZ	LB	24.00000	24.00000	24.00000	31.5 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	14.35759		EU	24.00000	24.00000	24.00000
	UB	24.00000	24.00000	8.15465		UB	24.00000	24.00000	24.00000
4.0 HZ	LB	24.00000	24.00000	24.00000	40.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	10.78004		EU	24.00000	24.00000	24.00000
	UB	24.00000	24.00000	7.57096		UB	24.00000	24.00000	24.00000
5.0 HZ	LB	24.00000	24.00000	24.00000	50.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	4.01758		EU	24.00000	24.00000	24.00000
	UB	23.32423	21.01481	2.20957		UB	24.00000	24.00000	24.00000
6.3 HZ	LB	24.00000	24.00000	24.00000	63.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	4.82416		EU	24.00000	24.00000	24.00000
	UB	24.00000	19.74229	2.96261		UB	24.00000	24.00000	24.00000
8.0 HZ	LB	24.00000	24.00000	24.00000	80.0 HZ	LB	24.00000	24.00000	24.00000
	EU	24.00000	24.00000	18.25879		EU	24.00000	24.00000	24.00000
	UB	24.00000	21.87409	12.91245		UB	24.00000	24.00000	24.00000

REDUCED COMFORT :			
	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	13.75821	4.01758
Center Freq (Hz):	1	2	5

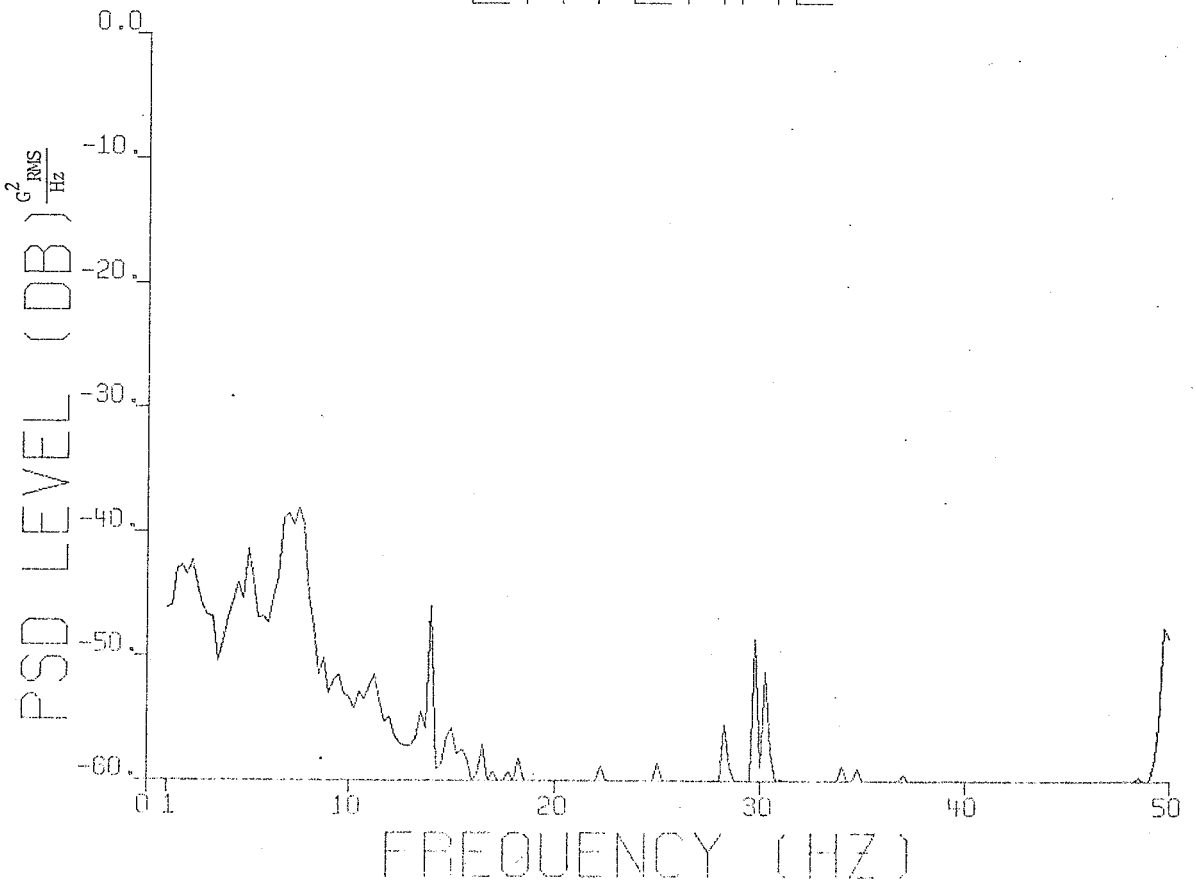


Metroliner Truck Test, RG-125.J, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3206-3334

# LONGITUDINAL

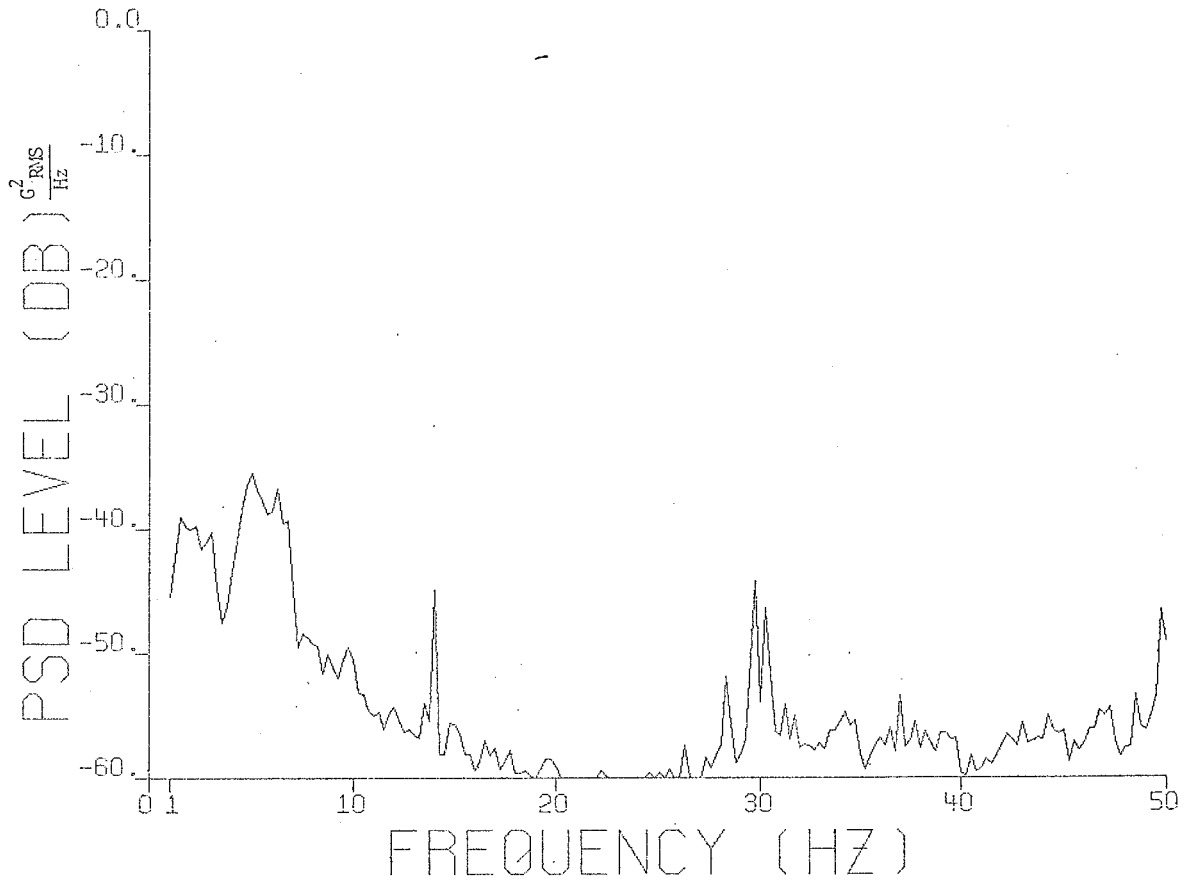


# LATERAL



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TCA 023 Car 850 RECS: 3206-3334

# VERTICAL









PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TCA 024 Car 855 RECS: 3456-3583

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (¼ G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.05737	-1.00	13.0065	0.00000	0.00000	0.00000	0.00000
-4.95	0.00366	-0.99	1.10474	0.00000	0.00000	0.00000	0.00000
-4.90	0.00366	-0.98	0.48928	0.00000	0.00000	0.00000	0.00000
-4.85	0.00244	-0.97	0.34180	0.00000	0.00000	0.00000	0.00000
-4.80	0.00122	-0.96	0.31128	0.00000	0.00000	0.00000	0.00000
-4.75	0.00244	-0.95	0.31128	0.00000	0.00000	0.00000	0.00000
-4.70	0.00244	-0.94	0.33569	0.00000	0.00000	0.00000	0.00000
-4.65	0.00610	-0.93	0.34180	0.00000	0.00000	0.00000	0.00000
-4.60	0.00366	-0.92	0.31128	0.00000	0.00000	0.00000	0.00000
-4.55	0.00244	-0.91	0.28687	0.00000	0.00000	0.00000	0.00000
-4.50	0.00122	-0.90	0.41504	0.00000	0.00000	0.00000	0.00000
-4.45	0.00366	-0.89	0.32349	0.00000	0.00000	0.00000	0.00000
-4.40	0.00244	-0.88	0.32349	0.00000	0.00000	0.00000	0.00000
-4.35	0.00732	-0.87	0.34790	0.00000	0.00000	0.00000	0.00000
-4.30	0.00366	-0.86	0.35011	0.00000	0.00000	0.00000	0.00000
-4.25	0.00488	-0.85	0.31128	0.00000	0.00000	0.00000	0.00000
-4.20	0.00610	-0.84	0.29307	0.00000	0.00000	0.00000	0.00000
-4.15	0.00732	-0.83	0.44556	0.00000	0.00000	0.00000	0.00000
-4.10	0.01343	-0.82	0.37231	0.00000	0.00000	0.00000	0.00000
-4.05	0.00610	-0.81	0.29297	0.00000	0.00000	0.00000	0.00000
-4.00	0.00977	-0.80	0.35400	0.00000	0.00000	0.00000	0.00000
-3.95	0.00488	-0.79	0.39573	0.00000	0.00000	0.00000	0.00000
-3.90	0.00488	-0.78	0.43945	0.00000	0.00000	0.00000	0.00000
-3.85	0.00610	-0.77	0.35011	0.00000	0.00000	0.00000	0.00000
-3.80	0.01099	-0.76	0.33569	0.00000	0.00000	0.00000	0.00000
-3.75	0.01587	-0.75	0.38452	0.00000	0.00000	0.00000	0.00000
-3.70	0.01221	-0.74	0.29297	0.00000	0.00000	0.00000	0.00000
-3.65	0.00732	-0.73	0.40283	0.00000	0.00000	0.00000	0.00000
-3.60	0.01343	-0.72	0.35400	0.00000	0.00000	0.00000	0.00000
-3.55	0.00610	-0.71	0.39573	0.00000	0.00000	0.00000	0.00000
-3.50	0.01099	-0.70	0.39063	0.00000	0.00000	0.00000	0.00000
-3.45	0.01343	-0.69	0.31128	0.00000	0.00000	0.00000	0.00000
-3.40	0.01099	-0.68	0.37231	0.00000	0.00000	0.00000	0.00000
-3.35	0.01587	-0.67	0.35400	0.00000	0.00000	0.00000	0.00000
-3.30	0.01587	-0.66	0.38452	0.00000	0.00000	0.00000	0.00000
-3.25	0.01953	-0.65	0.32349	0.00000	0.00000	0.00000	0.00000
-3.20	0.02075	-0.64	0.40283	0.00000	0.00000	0.00000	0.00000
-3.15	0.01709	-0.63	0.40283	0.00000	0.00000	0.00000	0.00000
-3.10	0.02197	-0.62	0.37231	0.00000	0.00000	0.00000	0.00000
-3.05	0.02319	-0.61	0.39063	0.00000	0.00000	0.00000	0.00000
-3.00	0.01831	-0.60	0.40894	0.00000	0.00000	0.00000	0.00000
-2.95	0.02197	-0.59	0.43335	0.00000	0.00000	0.00000	0.00000
-2.90	0.02075	-0.58	0.29307	0.00000	0.00000	0.00000	0.00000
-2.85	0.03418	-0.57	0.34790	0.00000	0.00000	0.00000	0.00000
-2.80	0.01831	-0.56	0.32349	0.00000	0.00000	0.00000	0.00000
-2.75	0.02908	-0.55	0.46997	0.00000	0.00000	0.00000	0.00000
-2.70	0.02930	-0.54	0.36621	0.00000	0.00000	0.00000	0.00000
-2.65	0.03562	-0.53	0.35011	0.00000	0.00000	0.00000	0.00000
-2.60	0.02930	-0.52	0.27456	0.00000	0.00000	0.00000	0.00000
-2.55	0.02608	-0.51	0.38452	0.00000	0.00000	0.00000	0.00000
-2.50	0.03296	-0.50	0.31128	0.00000	0.00000	0.00000	0.00000
-2.45	0.04272	-0.49	0.35400	0.00000	0.00000	0.00000	0.00000
-2.40	0.04028	-0.48	0.36621	0.00000	0.00000	0.00000	0.00000
-2.35	0.03906	-0.47	0.45156	0.00000	0.00000	0.00000	0.00000
-2.30	0.05493	-0.46	0.40894	0.00000	0.00000	0.00000	0.00000
-2.25	0.05127	-0.45	0.41504	0.00000	0.00000	0.00000	0.00000
-2.20	0.06714	-0.44	0.36011	0.00000	0.00000	0.00000	0.00000
-2.15	0.06836	-0.43	0.33569	0.00000	0.00000	0.00000	0.00000
-2.10	0.05615	-0.42	0.34180	0.00000	0.00000	0.00000	0.00000
-2.05	0.06226	-0.41	0.33569	0.00000	0.00000	0.00000	0.00000
-2.00	0.08057	-0.40	0.32349	0.00000	0.00000	0.00000	0.00000
-1.95	0.07446	-0.39	0.40283	0.00000	0.00000	0.00000	0.00000
-1.90	0.07446	-0.38	0.37842	0.00000	0.00000	0.00000	0.00000
-1.85	0.08423	-0.37	0.39573	0.00000	0.00000	0.00000	0.00000
-1.80	0.07202	-0.36	0.36621	0.00000	0.00000	0.00000	0.00000
-1.75	0.11108	-0.35	0.35400	0.00000	0.00000	0.00000	0.00000
-1.70	0.10254	-0.34	0.39573	0.00000	0.00000	0.00000	0.00000
-1.65	0.10132	-0.33	0.42114	0.00000	0.00000	0.00000	0.00000
-1.60	0.09766	-0.32	0.31128	0.00000	0.00000	0.00000	0.00000
-1.55	0.10864	-0.31	0.36621	0.00000	0.00000	0.00000	0.00000
-1.50	0.08057	-0.30	0.47607	0.00000	0.00000	0.00000	0.00000
-1.45	0.11719	-0.29	0.33569	0.00000	0.00000	0.00000	0.00000
-1.40	0.12573	-0.28	0.37842	0.00000	0.00000	0.00000	0.00000
-1.35	0.13916	-0.27	0.42725	0.00000	0.00000	0.00000	0.00000
-1.30	0.12939	-0.26	0.36011	0.00000	0.00000	0.00000	0.00000
-1.25	0.17090	-0.25	0.43945	0.00000	0.00000	0.00000	0.00000
-1.20	0.14526	-0.24	0.39573	0.00000	0.00000	0.00000	0.00000
-1.15	0.15991	-0.23	0.40283	0.01221	0.00000	0.00000	0.00000
-1.10	0.17944	-0.22	0.39573	0.01221	0.00000	0.00000	0.00000
-1.05	0.17212	-0.21	0.40894	0.01221	0.01221	0.00000	0.00000
-1.00	0.18555	-0.20	0.35400	0.02441	0.00000	0.00000	0.00000
-0.95	0.17456	-0.19	0.32349	0.04272	0.00610	0.00000	0.00000
-0.90	0.21973	-0.18	0.49438	0.01831	0.00610	0.00000	0.00000
-0.85	0.22217	-0.17	0.39063	0.06714	0.00610	0.00000	0.00000
-0.80	0.21240	-0.16	0.44556	0.10386	0.02441	0.00000	0.00000
-0.75	0.22827	-0.15	0.43945	0.10376	0.04272	0.00000	0.00610
-0.70	0.25635	-0.14	0.44556	0.23804	0.06104	0.00000	0.01221
-0.65	0.23926	-0.13	0.46997	0.18921	0.06714	0.00000	0.01831
-0.60	0.26733	-0.12	0.39063	0.33569	0.16479	0.00000	0.02441
-0.55	0.25146	-0.11	0.43335	0.57083	0.24414	0.00000	0.03052
-0.50	0.28931	-0.10	0.48828	0.89111	0.34180	0.01221	0.09155
-0.45	0.29053	-0.09	0.40283	1.34277	0.79956	0.02441	0.15259
-0.40	0.28931	-0.08	0.39573	2.13623	1.39515	0.11597	0.29297
-0.35	0.33061	-0.07	0.40894	3.14941	2.11182	0.40283	0.81177
-0.30	0.34546	-0.06	0.37842	4.23374	3.64390	1.37329	1.59029
-0.25	0.33813	-0.05	0.43335	5.63965	5.05033	2.97341	3.54004
-0.20	0.33061	-0.04	0.42114	6.77490	7.15942	6.04858	6.06079
-0.15	0.34912	-0.03	0.45166	8.11157	9.39331	10.5103	10.1867
-0.10	0.35034	-0.02	0.32959	9.03320	9.82566	14.1681	13.7329
-0.05	0.32593	-0.01	0.44556	9.05762	11.4074	15.8691	15.6738

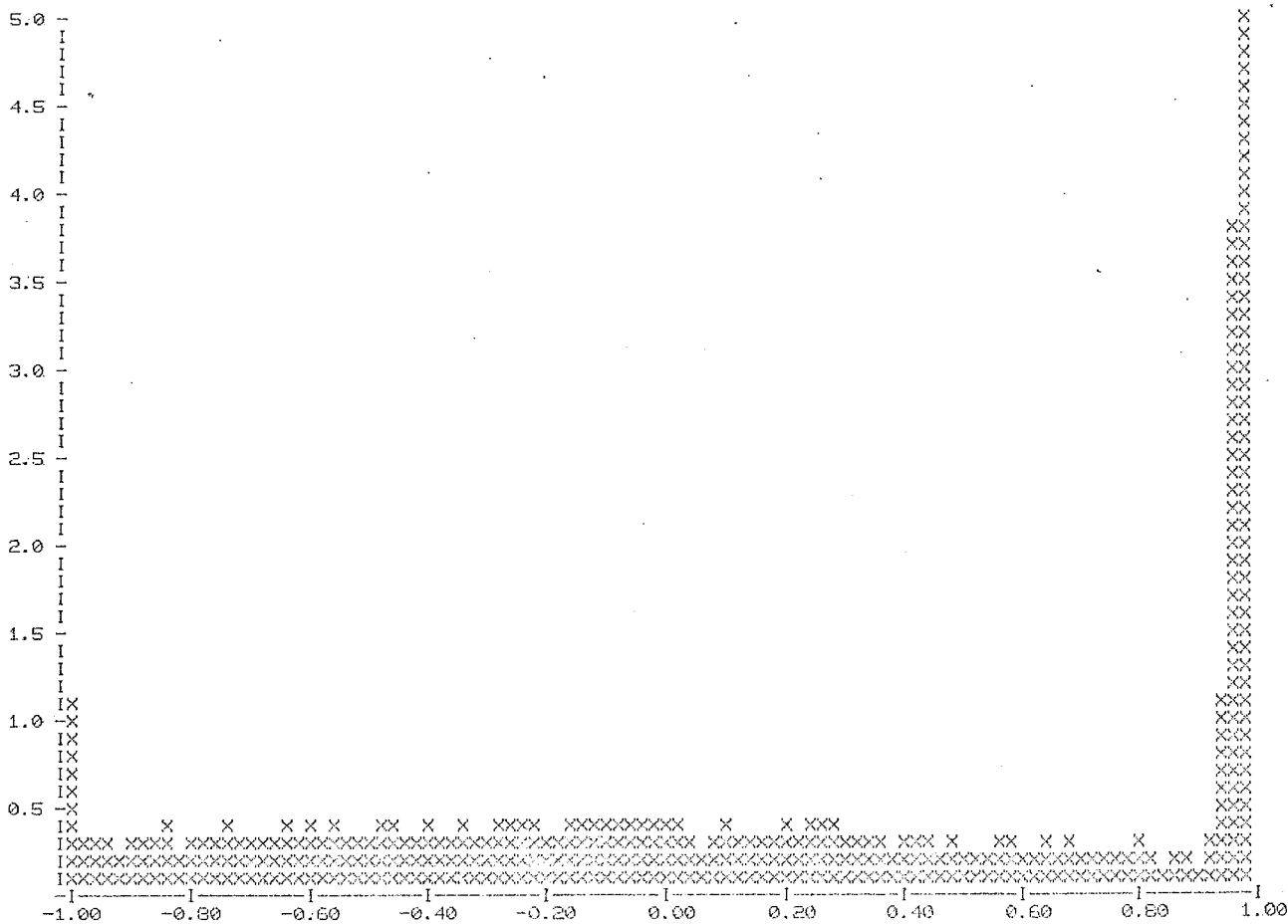
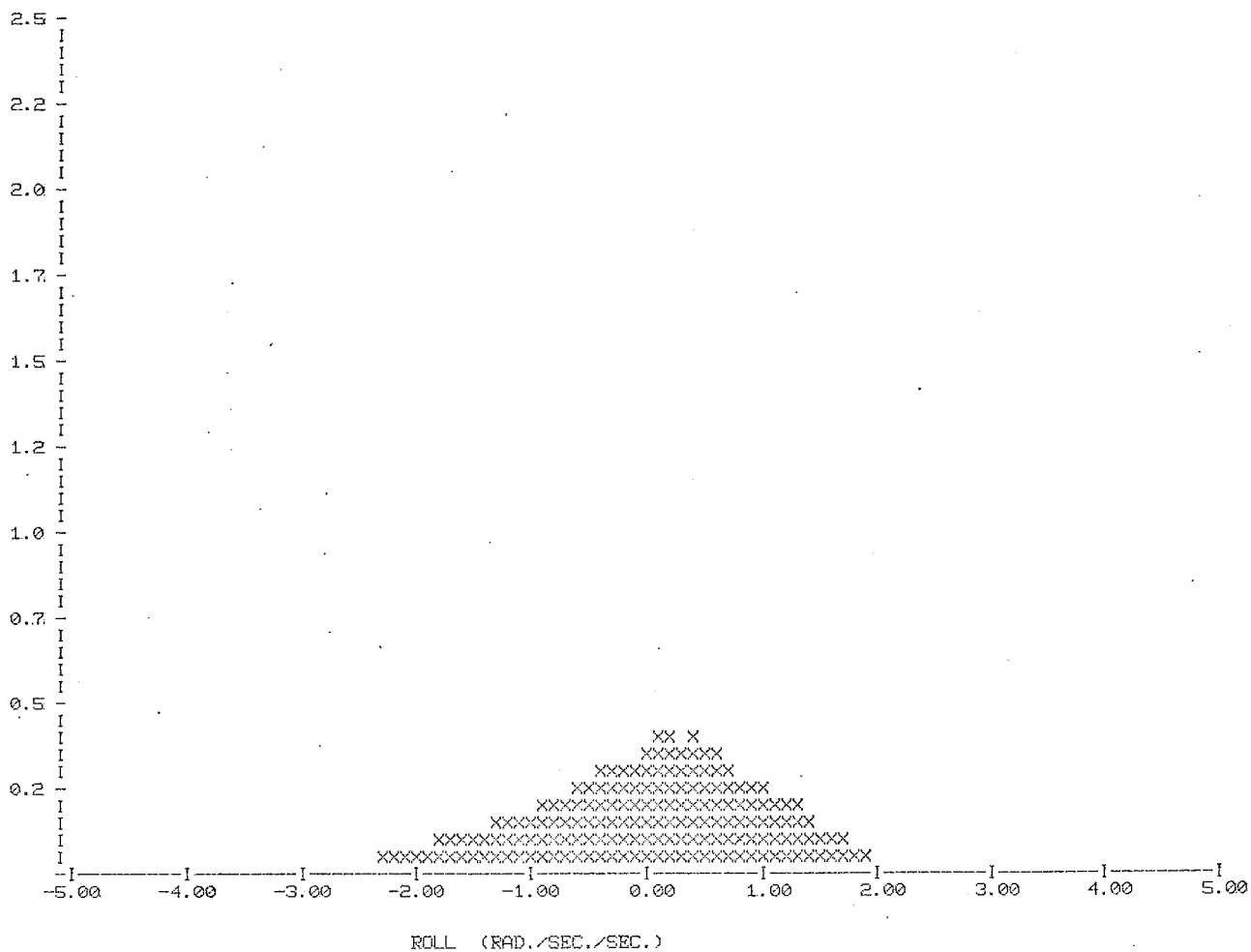
PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TCA 024 Car 855 RECS: 3456-3583

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (g G's)	PITCH	YAW	VERT (G's)	LONG.(G's)	LAT. (G's)
0.00	0.37231	0.00	0.39063	8.52661	10.7177	16.0400	14.4958
0.05	0.38818	0.01	0.41504	8.03223	8.86230	11.4868	11.3891
0.10	0.37720	0.02	0.34180	6.73218	7.81250	8.58765	7.97119
0.15	0.41260	0.03	0.40283	5.41992	6.02417	5.82275	4.59984
0.20	0.38330	0.04	0.37842	4.71191	4.46777	3.18504	3.33252
0.25	0.40527	0.05	0.37842	3.54614	3.51563	1.74551	2.30103
0.30	0.39673	0.06	0.37842	2.91748	2.44751	0.86060	1.64185
0.35	0.39429	0.07	0.27466	2.06909	1.57471	0.39673	0.94604
0.40	0.36621	0.08	0.32349	1.68457	1.00098	0.13428	0.51270
0.45	0.40649	0.09	0.36011	1.27563	0.65018	0.10375	0.29297
0.50	0.38086	0.10	0.27466	0.90942	0.51270	0.05493	0.16479
0.55	0.36743	0.11	0.43945	0.67749	0.26245	0.01221	0.09155
0.60	0.35400	0.12	0.32959	0.40894	0.17700	0.01831	0.04372
0.65	0.37476	0.13	0.37231	0.26855	0.05493	0.02441	0.02441
0.70	0.32593	0.14	0.31738	0.18311	0.04863	0.00610	0.00610
0.75	0.34790	0.15	0.32959	0.15259	0.07935	0.00610	0.01221
0.80	0.35034	0.16	0.32959	0.13428	0.00000	0.00610	0.00000
0.85	0.28564	0.17	0.34180	0.08545	0.00000	0.00000	0.00000
0.90	0.31128	0.18	0.31128	0.05493	0.00610	0.01221	0.00000
0.95	0.27832	0.19	0.39063	0.01831	0.00000	0.00610	0.00000
1.00	0.25146	0.20	0.39063	0.01221	0.01831	0.00000	0.00000
1.05	0.26123	0.21	0.43335	0.01221	0.00510	0.00000	0.00000
1.10	0.22217	0.22	0.32349	0.01831	0.01221	0.00000	0.00000
1.15	0.23804	0.23	0.33569	0.02441	0.01221	0.00000	0.00000
1.20	0.21851	0.24	0.38452	0.00000	0.00000	0.00000	0.00000
1.25	0.21484	0.25	0.43335	0.00000	0.00610	0.00000	0.00000
1.30	0.16724	0.26	0.34790	0.00000	0.00000	0.00000	0.00000
1.35	0.20142	0.27	0.40894	0.00610	0.00000	0.00000	0.00000
1.40	0.18311	0.28	0.38452	0.00000	0.00000	0.00000	0.00000
1.45	0.17456	0.29	0.42725	0.00000	0.00000	0.00000	0.00000
1.50	0.17944	0.30	0.38452	0.00000	0.00000	0.00000	0.00000
1.55	0.14893	0.31	0.36011	0.00000	0.00000	0.00000	0.00000
1.60	0.11963	0.32	0.26245	0.00000	0.00000	0.00000	0.00000
1.65	0.11353	0.33	0.39063	0.00000	0.00000	0.00000	0.00000
1.70	0.11108	0.34	0.34790	0.00000	0.00000	0.00000	0.00000
1.75	0.10254	0.35	0.37842	0.00000	0.00000	0.00000	0.00000
1.80	0.08657	0.36	0.29907	0.00610	0.00000	0.00000	0.00000
1.85	0.07030	0.37	0.30518	0.00000	0.00000	0.00000	0.00000
1.90	0.08057	0.38	0.34790	0.00000	0.00000	0.00000	0.00000
1.95	0.05371	0.39	0.29297	0.00000	0.00000	0.00000	0.00000
2.00	0.07090	0.40	0.40283	0.00000	0.00000	0.00000	0.00000
2.05	0.04028	0.41	0.33569	0.00000	0.00000	0.00000	0.00000
2.10	0.04883	0.42	0.34180	0.00000	0.00000	0.00000	0.00000
2.15	0.03906	0.43	0.36521	0.00000	0.00000	0.00000	0.00000
2.20	0.03784	0.44	0.28537	0.00000	0.00000	0.00000	0.00000
2.25	0.02930	0.45	0.32349	0.00000	0.00000	0.00000	0.00000
2.30	0.02075	0.46	0.30518	0.00000	0.00000	0.00000	0.00000
2.35	0.03052	0.47	0.26245	0.00000	0.00000	0.00000	0.00000
2.40	0.01709	0.48	0.36621	0.00000	0.00000	0.00000	0.00000
2.45	0.01831	0.49	0.34180	0.00000	0.00000	0.00000	0.00000
2.50	0.01343	0.50	0.26855	0.00000	0.00000	0.00000	0.00000
2.55	0.01831	0.51	0.23193	0.00000	0.00000	0.00000	0.00000
2.60	0.01099	0.52	0.23804	0.00000	0.00000	0.00000	0.00000
2.65	0.01099	0.53	0.25535	0.00000	0.00000	0.00000	0.00000
2.70	0.00732	0.54	0.28687	0.00000	0.00000	0.00000	0.00000
2.75	0.00366	0.55	0.21573	0.00000	0.00000	0.00000	0.00000
2.80	0.00510	0.56	0.25024	0.00000	0.00000	0.00000	0.00000
2.85	0.01221	0.57	0.37231	0.00000	0.00000	0.00000	0.00000
2.90	0.00122	0.58	0.36621	0.00000	0.00000	0.00000	0.00000
2.95	0.00854	0.59	0.31128	0.00000	0.00000	0.00000	0.00000
3.00	0.00610	0.60	0.31128	0.00000	0.00000	0.00000	0.00000
3.05	0.00854	0.61	0.23193	0.00000	0.00000	0.00000	0.00000
3.10	0.00244	0.62	0.29297	0.00000	0.00000	0.00000	0.00000
3.15	0.00488	0.63	0.23804	0.00000	0.00000	0.00000	0.00000
3.20	0.00366	0.64	0.26855	0.00000	0.00000	0.00000	0.00000
3.25	0.00244	0.65	0.34180	0.00000	0.00000	0.00000	0.00000
3.30	0.00122	0.66	0.21973	0.00000	0.00000	0.00000	0.00000
3.35	0.00488	0.67	0.29297	0.00000	0.00000	0.00000	0.00000
3.40	0.00366	0.68	0.23193	0.00000	0.00000	0.00000	0.00000
3.45	0.00366	0.69	0.36011	0.00000	0.00000	0.00000	0.00000
3.50	0.00244	0.70	0.18921	0.00000	0.00000	0.00000	0.00000
3.55	0.00122	0.71	0.27466	0.00000	0.00000	0.00000	0.00000
3.60	0.00244	0.72	0.29297	0.00000	0.00000	0.00000	0.00000
3.65	0.00000	0.73	0.25535	0.00000	0.00000	0.00000	0.00000
3.70	0.00000	0.74	0.23804	0.00000	0.00000	0.00000	0.00000
3.75	0.00122	0.75	0.20752	0.00000	0.00000	0.00000	0.00000
3.80	0.00122	0.76	0.31738	0.00000	0.00000	0.00000	0.00000
3.85	0.00122	0.77	0.27466	0.00000	0.00000	0.00000	0.00000
3.90	0.00000	0.78	0.25535	0.00000	0.00000	0.00000	0.00000
3.95	0.00244	0.79	0.25024	0.00000	0.00000	0.00000	0.00000
4.00	0.00244	0.80	0.24414	0.00000	0.00000	0.00000	0.00000
4.05	0.00122	0.81	0.31128	0.00000	0.00000	0.00000	0.00000
4.10	0.00122	0.82	0.18921	0.00000	0.00000	0.00000	0.00000
4.15	0.00000	0.83	0.22593	0.00000	0.00000	0.00000	0.00000
4.20	0.00000	0.84	0.19531	0.00000	0.00000	0.00000	0.00000
4.25	0.00000	0.85	0.17090	0.00000	0.00000	0.00000	0.00000
4.30	0.00000	0.86	0.20752	0.00000	0.00000	0.00000	0.00000
4.35	0.00366	0.87	0.24414	0.00000	0.00000	0.00000	0.00000
4.40	0.00122	0.88	0.20752	0.00000	0.00000	0.00000	0.00000
4.45	0.00244	0.89	0.24414	0.00000	0.00000	0.00000	0.00000
4.50	0.00000	0.90	0.23804	0.00000	0.00000	0.00000	0.00000
4.55	0.00000	0.91	0.14648	0.00000	0.00000	0.00000	0.00000
4.60	0.00122	0.92	0.28537	0.00000	0.00000	0.00000	0.00000
4.65	0.00000	0.93	0.31738	0.00000	0.00000	0.00000	0.00000
4.70	0.00122	0.94	0.63477	0.00000	0.00000	0.00000	0.00000
4.75	0.00122	0.95	1.17183	0.00000	0.00000	0.00000	0.00000
4.80	0.00000	0.96	2.69165	0.00000	0.00000	0.00000	0.00000
4.85	0.00000	0.97	3.88794	0.00000	0.00000	0.00000	0.00000
4.90	0.00000	0.98	4.20532	0.00000	0.00000	0.00000	0.00000
4.95	0.00000	0.99	7.18994	0.00000	0.00000	0.00000	0.00000

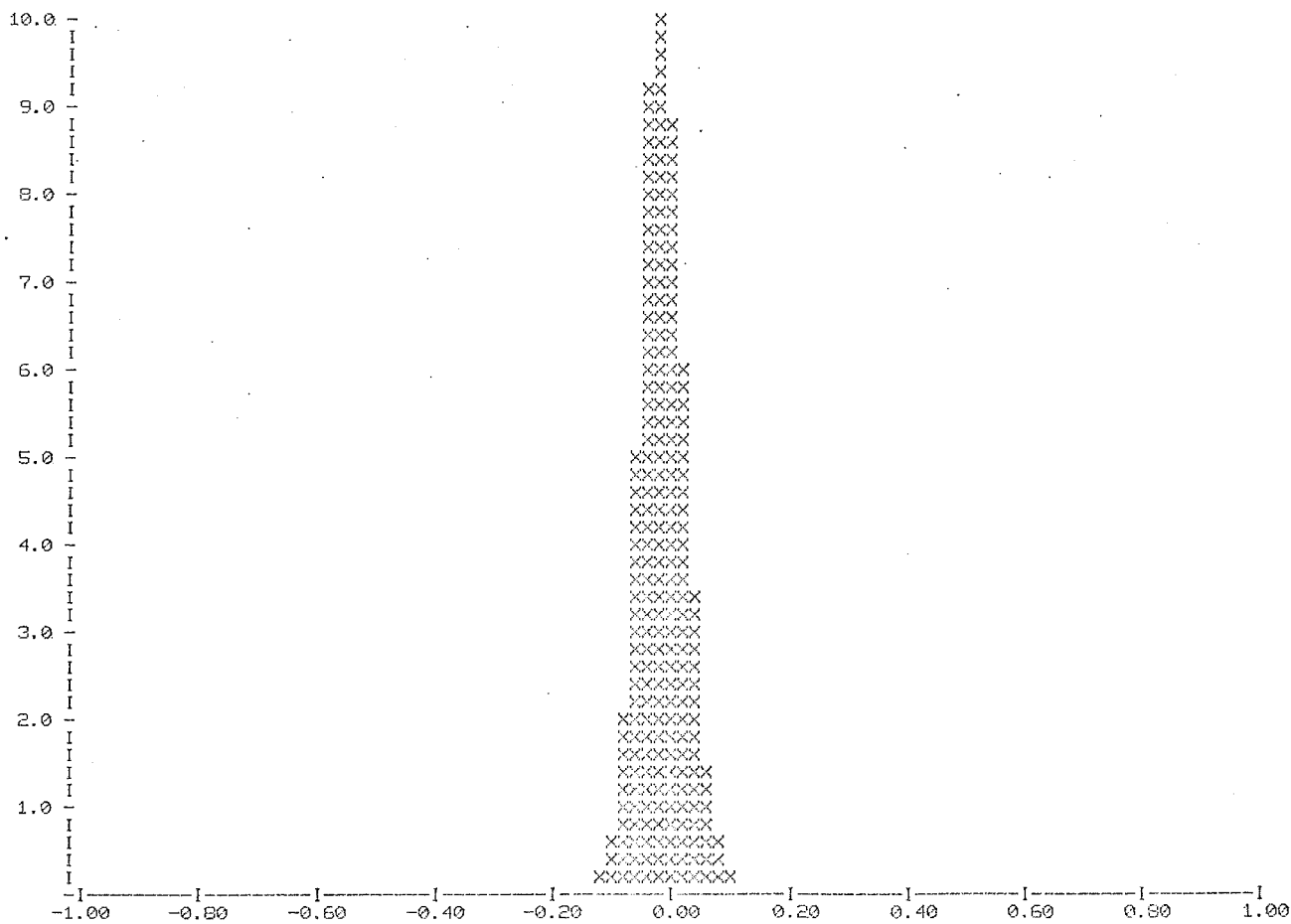
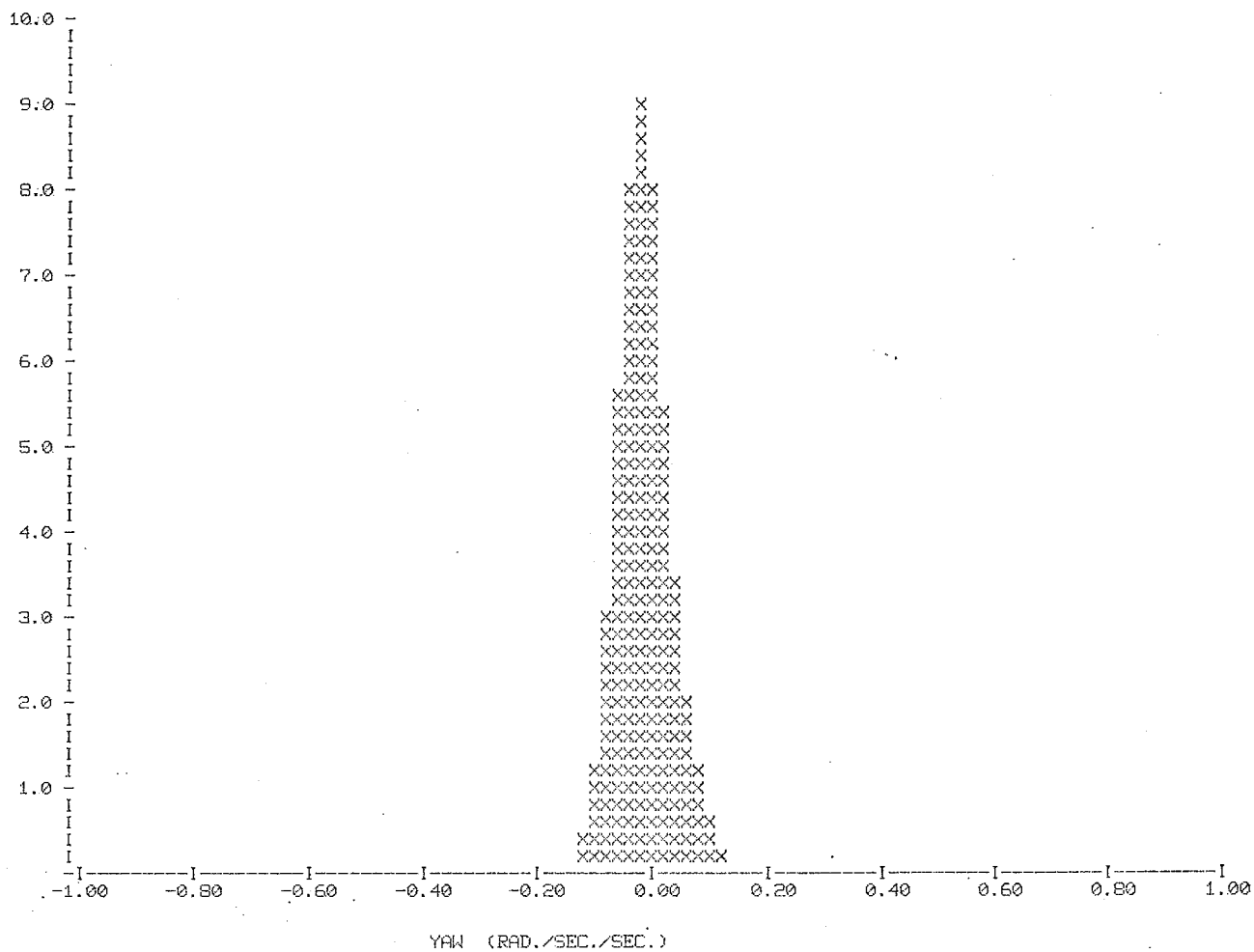
PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3456-3583



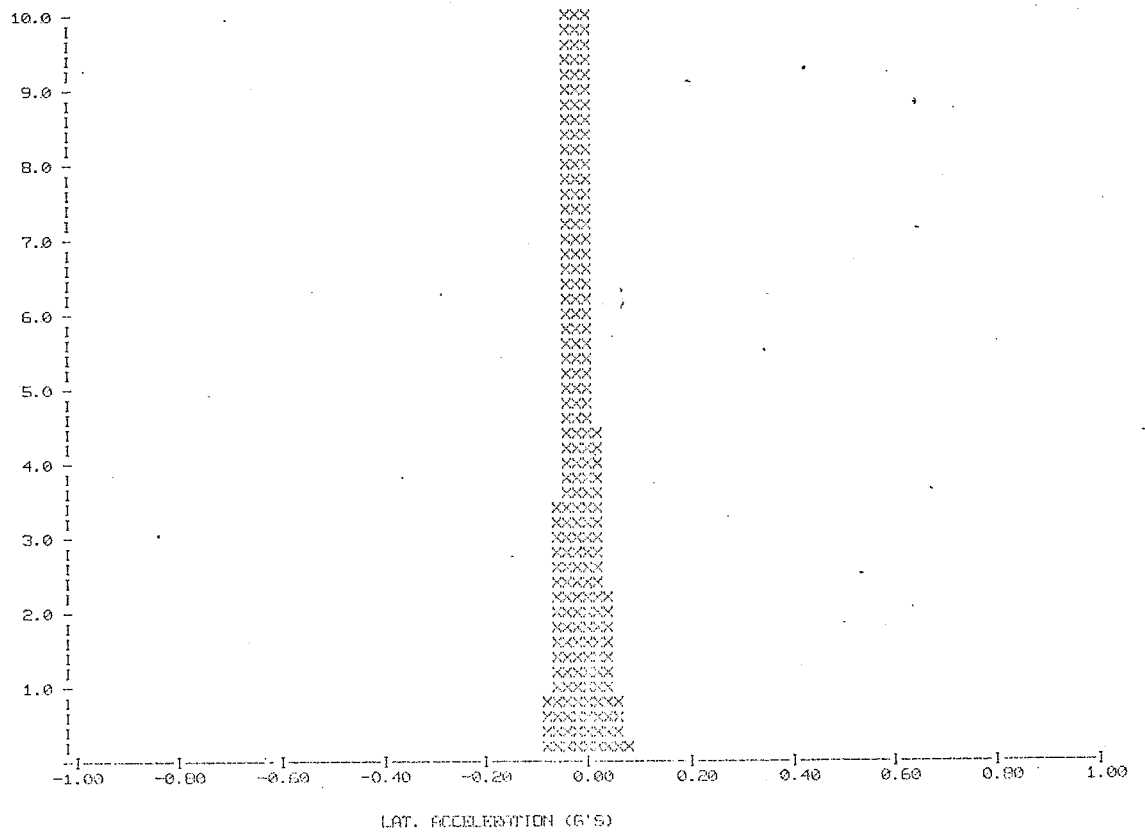
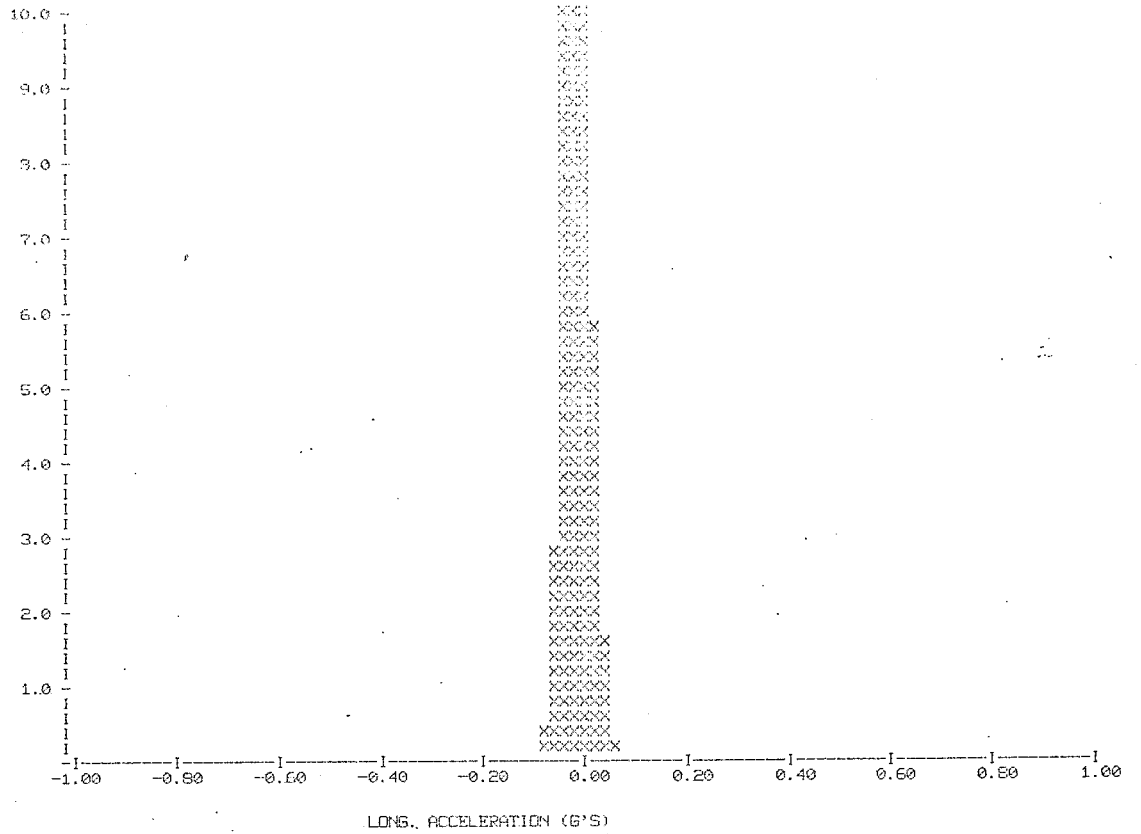


Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3456-3583



PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3456-3583



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TCA 024 Car 855 RECS: 3456-3583

ABSCISSA 1: Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (g G's)	PITCH	YAW	VERT(G's)	LONG.(G's)	LAT. (G's)
-5.00	0.00287	-1.00	0.13007	0.00000	0.00000	0.00000	0.00000
-4.95	0.00305	-0.99	0.14111	0.00000	0.00000	0.00000	0.00000
-4.90	0.00323	-0.98	0.14500	0.00000	0.00000	0.00000	0.00000
-4.85	0.00336	-0.97	0.14941	0.00000	0.00000	0.00000	0.00000
-4.80	0.00342	-0.96	0.15253	0.00000	0.00000	0.00000	0.00000
-4.75	0.00354	-0.95	0.15554	0.00000	0.00000	0.00000	0.00000
-4.70	0.00365	-0.94	0.15900	0.00000	0.00000	0.00000	0.00000
-4.65	0.00377	-0.93	0.16241	0.00000	0.00000	0.00000	0.00000
-4.60	0.00415	-0.92	0.16553	0.00000	0.00000	0.00000	0.00000
-4.55	0.00427	-0.91	0.16840	0.00000	0.00000	0.00000	0.00000
-4.50	0.00433	-0.90	0.17255	0.00000	0.00000	0.00000	0.00000
-4.45	0.00452	-0.89	0.17578	0.00000	0.00000	0.00000	0.00000
-4.40	0.00464	-0.88	0.17908	0.00000	0.00000	0.00000	0.00000
-4.35	0.00500	-0.87	0.18256	0.00000	0.00000	0.00000	0.00000
-4.30	0.00519	-0.86	0.18516	0.00000	0.00000	0.00000	0.00000
-4.25	0.00543	-0.85	0.18927	0.00000	0.00000	0.00000	0.00000
-4.20	0.00574	-0.84	0.19226	0.00000	0.00000	0.00000	0.00000
-4.15	0.00610	-0.83	0.19572	0.00000	0.00000	0.00000	0.00000
-4.10	0.00677	-0.82	0.20044	0.00000	0.00000	0.00000	0.00000
-4.05	0.00708	-0.81	0.20337	0.00000	0.00000	0.00000	0.00000
-4.00	0.00757	-0.80	0.20591	0.00000	0.00000	0.00000	0.00000
-3.95	0.00781	-0.79	0.21088	0.00000	0.00000	0.00000	0.00000
-3.90	0.00806	-0.78	0.21527	0.00000	0.00000	0.00000	0.00000
-3.85	0.00836	-0.77	0.21897	0.00000	0.00000	0.00000	0.00000
-3.80	0.00891	-0.76	0.22223	0.00000	0.00000	0.00000	0.00000
-3.75	0.00970	-0.75	0.22507	0.00000	0.00000	0.00000	0.00000
-3.70	0.01031	-0.74	0.22900	0.00000	0.00000	0.00000	0.00000
-3.65	0.01068	-0.73	0.23303	0.00000	0.00000	0.00000	0.00000
-3.60	0.01135	-0.72	0.23557	0.00000	0.00000	0.00000	0.00000
-3.55	0.01166	-0.71	0.24054	0.00000	0.00000	0.00000	0.00000
-3.50	0.01221	-0.70	0.24445	0.00000	0.00000	0.00000	0.00000
-3.45	0.01288	-0.69	0.24756	0.00000	0.00000	0.00000	0.00000
-3.40	0.01343	-0.68	0.25128	0.00000	0.00000	0.00000	0.00000
-3.35	0.01422	-0.67	0.25482	0.00000	0.00000	0.00000	0.00000
-3.30	0.01501	-0.66	0.25867	0.00000	0.00000	0.00000	0.00000
-3.25	0.01599	-0.65	0.26190	0.00000	0.00000	0.00000	0.00000
-3.20	0.01703	-0.64	0.26593	0.00000	0.00000	0.00000	0.00000
-3.15	0.01788	-0.63	0.26996	0.00000	0.00000	0.00000	0.00000
-3.10	0.01898	-0.62	0.27366	0.00000	0.00000	0.00000	0.00000
-3.05	0.02014	-0.61	0.27759	0.00000	0.00000	0.00000	0.00000
-3.00	0.02106	-0.60	0.28168	0.00000	0.00000	0.00000	0.00000
-2.95	0.02216	-0.59	0.28601	0.00000	0.00000	0.00000	0.00000
-2.90	0.02319	-0.58	0.28900	0.00000	0.00000	0.00000	0.00000
-2.85	0.02490	-0.57	0.29248	0.00000	0.00000	0.00000	0.00000
-2.80	0.02562	-0.56	0.29572	0.00000	0.00000	0.00000	0.00000
-2.75	0.02722	-0.55	0.30042	0.00000	0.00000	0.00000	0.00000
-2.70	0.02869	-0.54	0.30408	0.00000	0.00000	0.00000	0.00000
-2.65	0.03062	-0.53	0.30758	0.00000	0.00000	0.00000	0.00000
-2.60	0.03196	-0.52	0.31042	0.00000	0.00000	0.00000	0.00000
-2.55	0.03339	-0.51	0.31427	0.00000	0.00000	0.00000	0.00000
-2.50	0.03503	-0.50	0.31738	0.00000	0.00000	0.00000	0.00000
-2.45	0.03717	-0.49	0.32092	0.00000	0.00000	0.00000	0.00000
-2.40	0.03918	-0.48	0.32458	0.00000	0.00000	0.00000	0.00000
-2.35	0.04114	-0.47	0.32910	0.00000	0.00000	0.00000	0.00000
-2.30	0.04388	-0.46	0.33319	0.00000	0.00000	0.00000	0.00000
-2.25	0.04645	-0.45	0.33734	0.00000	0.00000	0.00000	0.00000
-2.20	0.04980	-0.44	0.34094	0.00000	0.00000	0.00000	0.00000
-2.15	0.05322	-0.43	0.34430	0.00000	0.00000	0.00000	0.00000
-2.10	0.05603	-0.42	0.34772	0.00000	0.00000	0.00000	0.00000
-2.05	0.05914	-0.41	0.35107	0.00000	0.00000	0.00000	0.00000
-2.00	0.06317	-0.40	0.35431	0.00000	0.00000	0.00000	0.00000
-1.95	0.06689	-0.39	0.35834	0.00000	0.00000	0.00000	0.00000
-1.90	0.07062	-0.38	0.36212	0.00000	0.00000	0.00000	0.00000
-1.85	0.07483	-0.37	0.36589	0.00000	0.00000	0.00000	0.00000
-1.80	0.07843	-0.36	0.36975	0.00000	0.00000	0.00000	0.00000
-1.75	0.08358	-0.35	0.37329	0.00000	0.00000	0.00000	0.00000
-1.70	0.08911	-0.34	0.37726	0.00000	0.00000	0.00000	0.00000
-1.65	0.09418	-0.33	0.38147	0.00000	0.00000	0.00000	0.00000
-1.60	0.09906	-0.32	0.38458	0.00000	0.00000	0.00000	0.00000
-1.55	0.10449	-0.31	0.38824	0.00000	0.00000	0.00000	0.00000
-1.50	0.10852	-0.30	0.39301	0.00000	0.00000	0.00000	0.00000
-1.45	0.11438	-0.29	0.39536	0.00000	0.00000	0.00000	0.00000
-1.40	0.12067	-0.28	0.40015	0.00000	0.00000	0.00000	0.00000
-1.35	0.12762	-0.27	0.40442	0.00000	0.00000	0.00000	0.00000
-1.30	0.13409	-0.26	0.40802	0.00000	0.00000	0.00000	0.00000
-1.25	0.14264	-0.25	0.41241	0.00000	0.00000	0.00000	0.00000
-1.20	0.14990	-0.24	0.41538	0.00000	0.00000	0.00000	0.00000
-1.15	0.15790	-0.23	0.42041	0.00012	0.00000	0.00000	0.00000
-1.10	0.16687	-0.22	0.42438	0.00024	0.00000	0.00000	0.00000
-1.05	0.17548	-0.21	0.42847	0.00037	0.00012	0.00000	0.00000
-1.00	0.18475	-0.20	0.43201	0.00051	0.00012	0.00000	0.00000
-0.95	0.19348	-0.19	0.43524	0.00104	0.00018	0.00000	0.00000
-0.90	0.20447	-0.18	0.44019	0.00122	0.00024	0.00000	0.00000
-0.85	0.21558	-0.17	0.44409	0.00189	0.00031	0.00000	0.00000
-0.80	0.22620	-0.16	0.44855	0.00299	0.00055	0.00000	0.00000
-0.75	0.23761	-0.15	0.45294	0.00403	0.00098	0.00000	0.00006
-0.70	0.25043	-0.14	0.45740	0.00541	0.00159	0.00000	0.00018
-0.65	0.26239	-0.13	0.46210	0.00830	0.00226	0.00000	0.00037
-0.60	0.27576	-0.12	0.46600	0.01165	0.00391	0.00000	0.00061
-0.55	0.28833	-0.11	0.47034	0.01746	0.00535	0.00000	0.00092
-0.50	0.30280	-0.10	0.47522	0.02537	0.00977	0.00012	0.00183
-0.45	0.31732	-0.09	0.47925	0.03979	0.01776	0.00037	0.00336
-0.40	0.33179	-0.08	0.48322	0.05116	0.03082	0.00153	0.00629
-0.35	0.34833	-0.07	0.48730	0.09265	0.05194	0.04555	0.01440
-0.30	0.36560	-0.06	0.49109	0.13495	0.08844	0.01929	0.02991
-0.25	0.38251	-0.05	0.49542	0.19135	0.13934	0.04901	0.05531
-0.20	0.39905	-0.04	0.49963	0.25909	0.21094	0.10950	0.12592
-0.15	0.41650	-0.03	0.50415	0.34021	0.30487	0.21460	0.22778
-0.10	0.43402	-0.02	0.50945	0.43854	0.40314	0.25620	0.36511
-0.05	0.45032	-0.01	0.51190	0.52112	0.51721	0.51469	0.52185

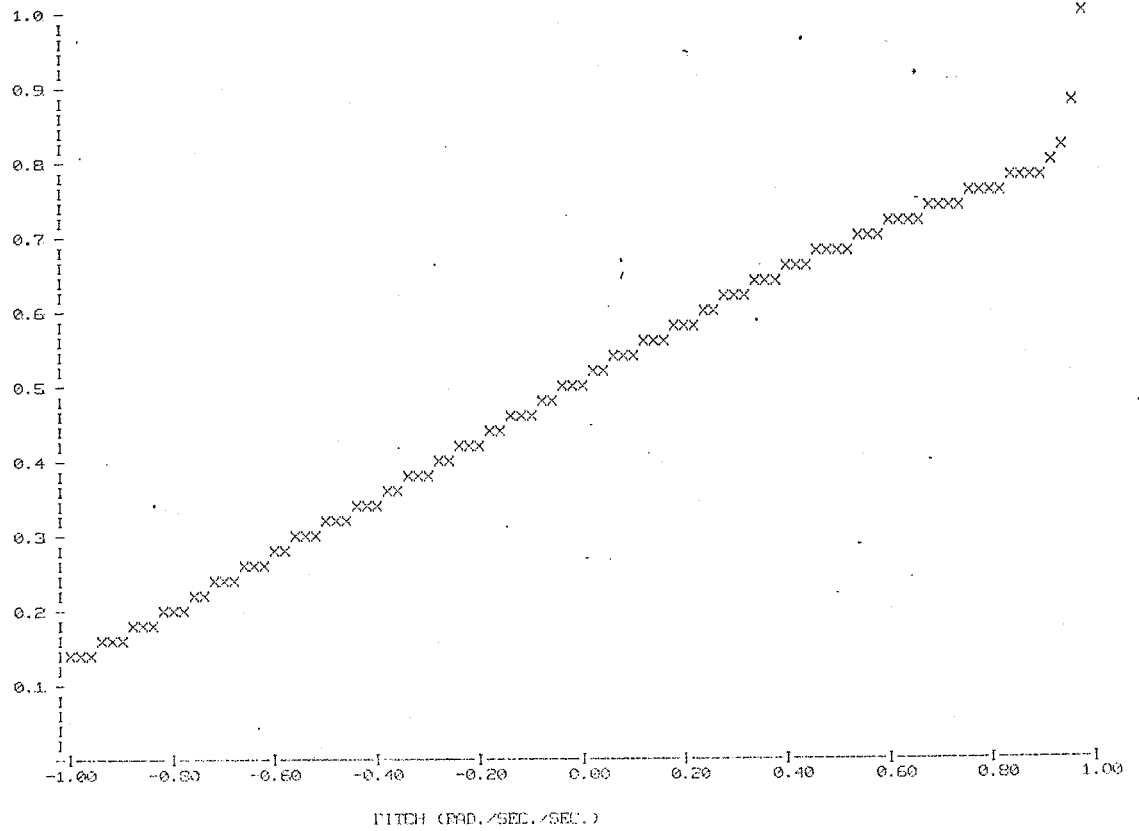
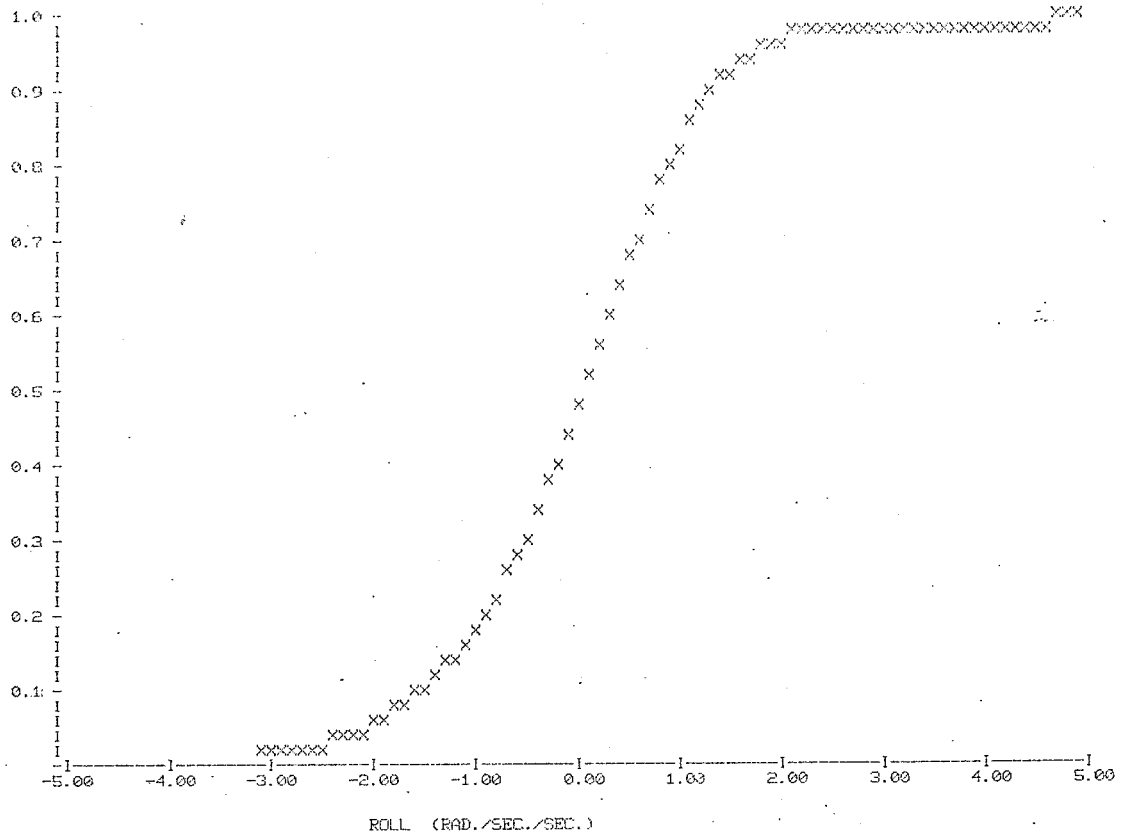
DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Southbound Run TCA 024 Car 855 RECS: 3456-3583

ABSCISSA 1: Rad/Sec/Sec	ROLL	ABSCISSA 2: Rad/Sec/Sec (g G's)	PITCH	YAW	VERT (G's)	LONG.(G's)	LAT.(G's)
0.00	0.46893	0.00	0.51581	0.60638	0.62439	0.67529	0.66681
0.05	0.48834	0.01	0.51996	0.68671	0.71301	0.79016	0.78370
0.10	0.50720	0.02	0.52338	0.75403	0.79114	0.87604	0.86041
0.15	0.52783	0.03	0.52740	0.80823	0.85139	0.93427	0.90631
0.20	0.54700	0.04	0.53119	0.85535	0.89606	0.96613	0.93964
0.25	0.56726	0.05	0.53497	0.89081	0.93121	0.98358	0.96265
0.30	0.58710	0.06	0.53876	0.91998	0.95569	0.99219	0.97906
0.35	0.60681	0.07	0.54150	0.94067	0.97144	0.99615	0.98953
0.40	0.62512	0.08	0.54474	0.95752	0.98145	0.99750	0.99365
0.45	0.64345	0.09	0.54834	0.97038	0.98834	0.99854	0.99658
0.50	0.66449	0.10	0.55109	0.97937	0.99316	0.99908	0.99823
0.55	0.68286	0.11	0.55548	0.98515	0.99579	0.99921	0.99915
0.60	0.70055	0.12	0.55878	0.99023	0.99756	0.99939	0.99967
0.65	0.71930	0.13	0.56250	0.99292	0.99911	0.99963	0.99982
0.70	0.73560	0.14	0.56567	0.99475	0.99950	0.99969	0.99988
0.75	0.75299	0.15	0.56897	0.99628	0.99989	0.99976	1.00000
0.80	0.77051	0.16	0.57227	0.99762	0.99999	0.99982	1.00000
0.85	0.78479	0.17	0.57568	0.99847	0.99999	0.99982	1.00000
0.90	0.80035	0.18	0.57890	0.99902	0.99994	0.99994	1.00000
0.95	0.81427	0.19	0.58270	0.99921	0.99994	1.00000	1.00000
1.00	0.82684	0.20	0.58661	0.99933	0.99993	1.00000	1.00000
1.05	0.83990	0.21	0.59094	0.99945	0.99993	1.00000	1.00000
1.10	0.85101	0.22	0.59418	0.99953	0.99992	1.00000	1.00000
1.15	0.86292	0.23	0.59753	0.99988	0.99994	1.00000	1.00000
1.20	0.87384	0.24	0.60138	0.99988	0.99994	1.00000	1.00000
1.25	0.88483	0.25	0.60571	0.99988	1.00000	1.00000	1.00000
1.30	0.89294	0.26	0.60919	0.99988	1.00000	1.00000	1.00000
1.35	0.90302	0.27	0.61328	0.99994	1.00000	1.00000	1.00000
1.40	0.91217	0.28	0.61713	0.99994	1.00000	1.00000	1.00000
1.45	0.92090	0.29	0.62140	0.99994	1.00000	1.00000	1.00000
1.50	0.92987	0.30	0.62524	0.99994	1.00000	1.00000	1.00000
1.55	0.93732	0.31	0.62885	0.99994	1.00000	1.00000	1.00000
1.60	0.94330	0.32	0.63147	0.99994	1.00000	1.00000	1.00000
1.65	0.94897	0.33	0.63538	0.99994	1.00000	1.00000	1.00000
1.70	0.95453	0.34	0.63885	0.99994	1.00000	1.00000	1.00000
1.75	0.95965	0.35	0.64264	0.99994	1.00000	1.00000	1.00000
1.80	0.96399	0.36	0.64563	1.00000	1.00000	1.00000	1.00000
1.85	0.96753	0.37	0.64868	1.00000	1.00000	1.00000	1.00000
1.90	0.97156	0.38	0.65216	1.00000	1.00000	1.00000	1.00000
1.95	0.97424	0.39	0.65509	1.00000	1.00000	1.00000	1.00000
2.00	0.97778	0.40	0.65912	1.00000	1.00000	1.00000	1.00000
2.05	0.97990	0.41	0.66248	1.00000	1.00000	1.00000	1.00000
2.10	0.98224	0.42	0.66599	1.00000	1.00000	1.00000	1.00000
2.15	0.98419	0.43	0.66956	1.00000	1.00000	1.00000	1.00000
2.20	0.98608	0.44	0.67242	1.00000	1.00000	1.00000	1.00000
2.25	0.98755	0.45	0.67566	1.00000	1.00000	1.00000	1.00000
2.30	0.98859	0.46	0.67871	1.00000	1.00000	1.00000	1.00000
2.35	0.98911	0.47	0.68134	1.00000	1.00000	1.00000	1.00000
2.40	0.98997	0.48	0.68500	1.00000	1.00000	1.00000	1.00000
2.45	0.99188	0.49	0.68842	1.00000	1.00000	1.00000	1.00000
2.50	0.99255	0.50	0.69110	1.00000	1.00000	1.00000	1.00000
2.55	0.99347	0.51	0.69342	1.00000	1.00000	1.00000	1.00000
2.60	0.99402	0.52	0.69590	1.00000	1.00000	1.00000	1.00000
2.65	0.99457	0.53	0.69836	1.00000	1.00000	1.00000	1.00000
2.70	0.99493	0.54	0.70123	1.00000	1.00000	1.00000	1.00000
2.75	0.99512	0.55	0.70343	1.00000	1.00000	1.00000	1.00000
2.80	0.99542	0.56	0.70593	1.00000	1.00000	1.00000	1.00000
2.85	0.99603	0.57	0.70866	1.00000	1.00000	1.00000	1.00000
2.90	0.99699	0.58	0.71332	1.00000	1.00000	1.00000	1.00000
2.95	0.99652	0.59	0.71643	1.00000	1.00000	1.00000	1.00000
3.00	0.99683	0.60	0.71954	1.00000	1.00000	1.00000	1.00000
3.05	0.99725	0.61	0.72186	1.00000	1.00000	1.00000	1.00000
3.10	0.99738	0.62	0.72479	1.00000	1.00000	1.00000	1.00000
3.15	0.99762	0.63	0.72717	1.00000	1.00000	1.00000	1.00000
3.20	0.99780	0.64	0.72986	1.00000	1.00000	1.00000	1.00000
3.25	0.99792	0.65	0.73328	1.00000	1.00000	1.00000	1.00000
3.30	0.99799	0.66	0.73547	1.00000	1.00000	1.00000	1.00000
3.35	0.99823	0.67	0.73840	1.00000	1.00000	1.00000	1.00000
3.40	0.99841	0.68	0.74072	1.00000	1.00000	1.00000	1.00000
3.45	0.99860	0.69	0.74432	1.00000	1.00000	1.00000	1.00000
3.50	0.99872	0.70	0.74622	1.00000	1.00000	1.00000	1.00000
3.55	0.99878	0.71	0.74896	1.00000	1.00000	1.00000	1.00000
3.60	0.99890	0.72	0.75169	1.00000	1.00000	1.00000	1.00000
3.65	0.99890	0.73	0.75446	1.00000	1.00000	1.00000	1.00000
3.70	0.99890	0.74	0.75684	1.00000	1.00000	1.00000	1.00000
3.75	0.99896	0.75	0.75891	1.00000	1.00000	1.00000	1.00000
3.80	0.99902	0.76	0.76208	1.00000	1.00000	1.00000	1.00000
3.85	0.99908	0.77	0.76483	1.00000	1.00000	1.00000	1.00000
3.90	0.99908	0.78	0.76740	1.00000	1.00000	1.00000	1.00000
3.95	0.99921	0.79	0.76990	1.00000	1.00000	1.00000	1.00000
4.00	0.99933	0.80	0.77234	1.00000	1.00000	1.00000	1.00000
4.05	0.99939	0.81	0.77545	1.00000	1.00000	1.00000	1.00000
4.10	0.99945	0.82	0.77734	1.00000	1.00000	1.00000	1.00000
4.15	0.99945	0.83	0.77960	1.00000	1.00000	1.00000	1.00000
4.20	0.99945	0.84	0.78156	1.00000	1.00000	1.00000	1.00000
4.25	0.99945	0.85	0.78326	1.00000	1.00000	1.00000	1.00000
4.30	0.99945	0.86	0.78534	1.00000	1.00000	1.00000	1.00000
4.35	0.99963	0.87	0.78778	1.00000	1.00000	1.00000	1.00000
4.40	0.99969	0.88	0.78956	1.00000	1.00000	1.00000	1.00000
4.45	0.99982	0.89	0.79230	1.00000	1.00000	1.00000	1.00000
4.50	0.99982	0.90	0.79468	1.00000	1.00000	1.00000	1.00000
4.55	0.99982	0.91	0.79614	1.00000	1.00000	1.00000	1.00000
4.60	0.99988	0.92	0.79901	1.00000	1.00000	1.00000	1.00000
4.65	0.99988	0.93	0.80219	1.00000	1.00000	1.00000	1.00000
4.70	0.99994	0.94	0.80653	1.00000	1.00000	1.00000	1.00000
4.75	1.00000	0.95	0.82025	1.00000	1.00000	1.00000	1.00000
4.80	1.00000	0.96	0.84717	1.00000	1.00000	1.00000	1.00000
4.85	1.00000	0.97	0.88605	1.00000	1.00000	1.00000	1.00000
4.90	1.00000	0.98	0.92310	1.00000	1.00000	1.00000	1.00000
4.95	1.00000	0.99	1.00000	1.00000	1.00000	1.00000	1.00000

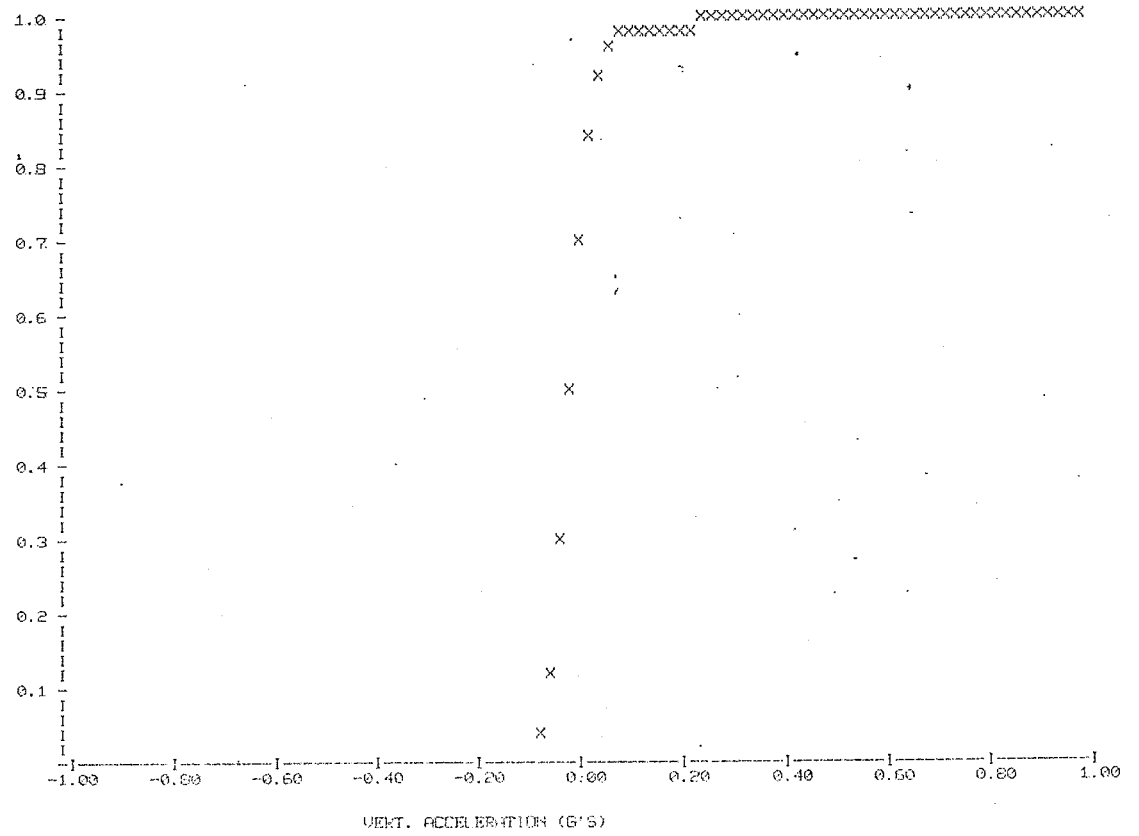
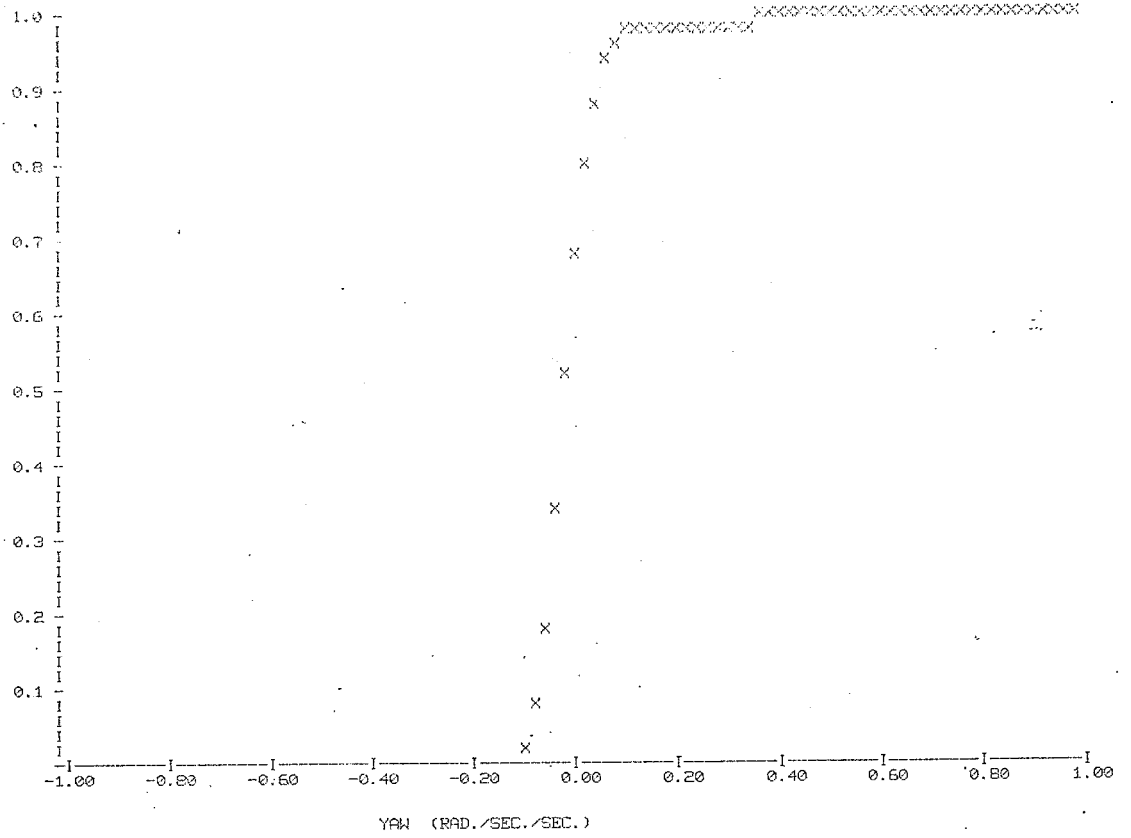
DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3456-3583



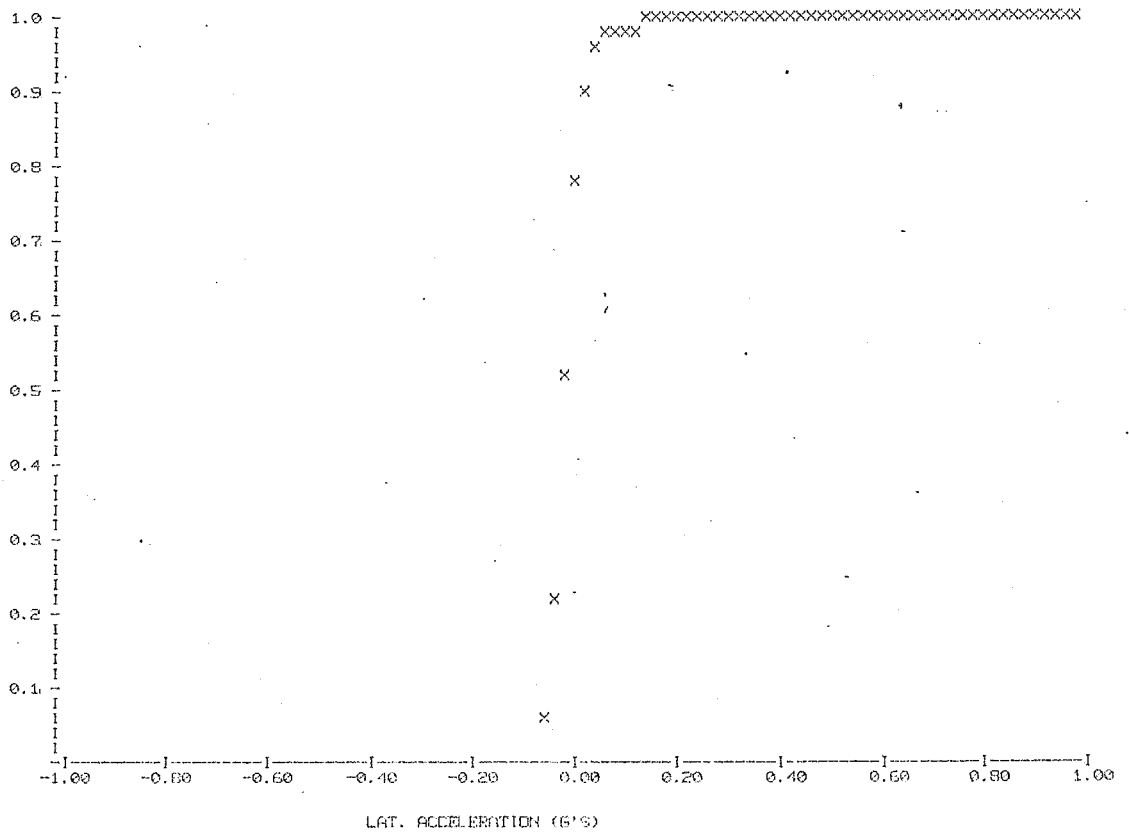
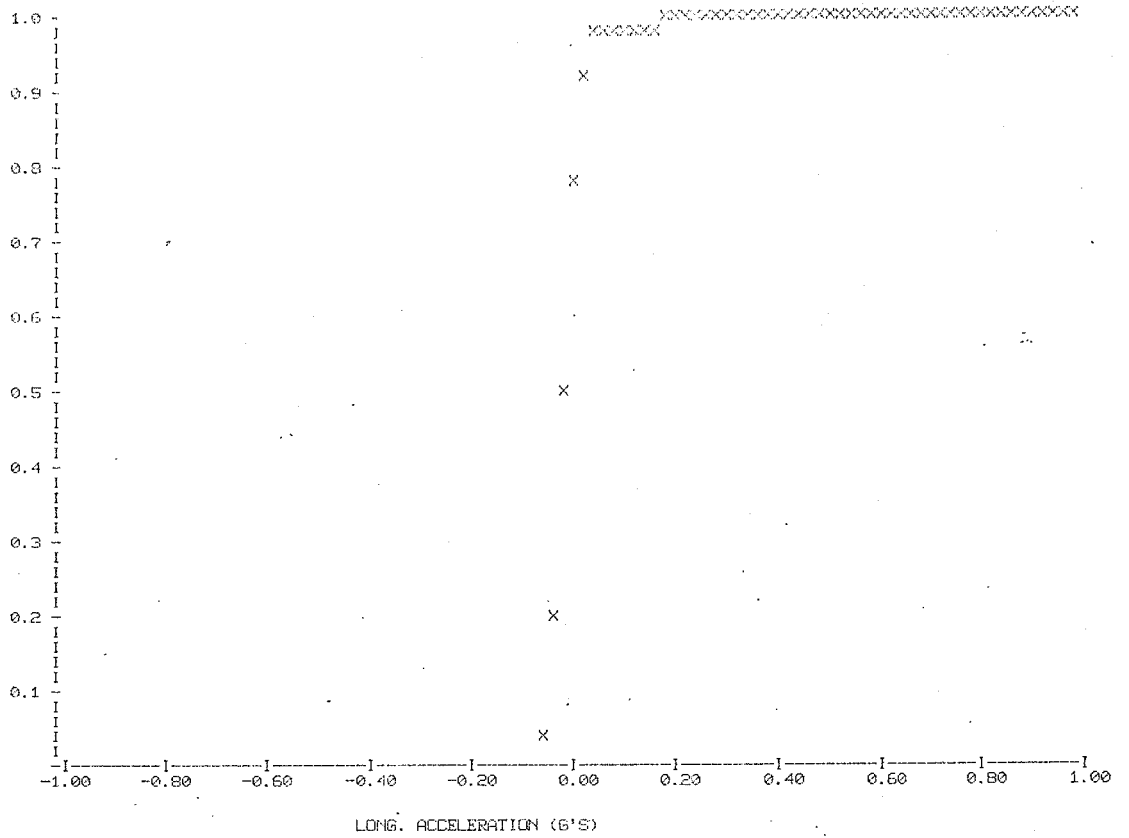
DISTRIBUTION FUNCTION ESTIMATE

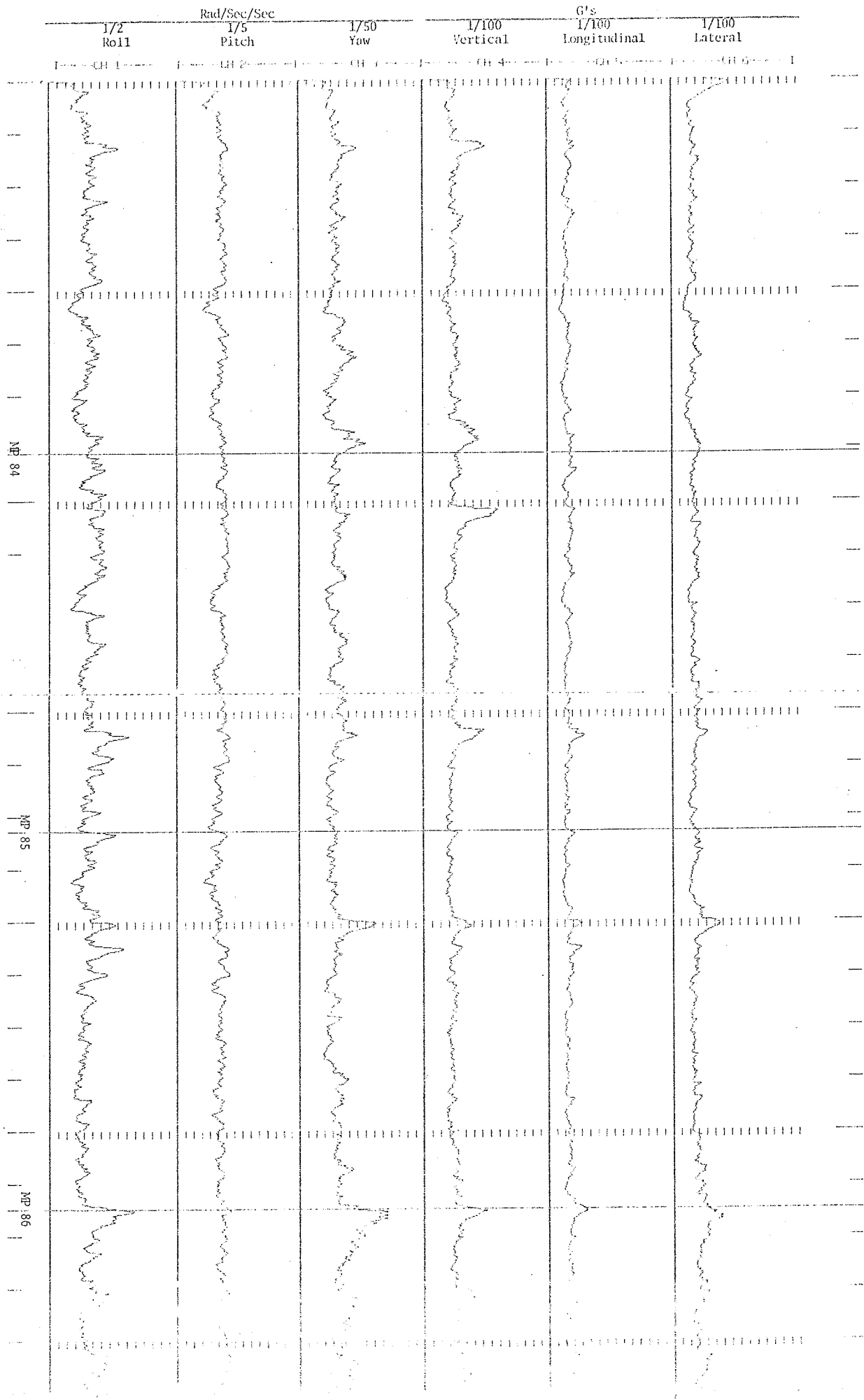
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3456-3583



DISTRIBUTION FUNCTION ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Rm TCA 024 Car 855 RECS: 3456-3583







ISO Bands - RMS ACCELERATION IN G S

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	0.00037	0.00000	0.00000	10.0 HZ	LB	0.00363	0.00461	0.00559
	EU	0.00242	0.00473	0.00430		EU	0.00471	0.00576	0.00711
	UB	0.00340	0.00721	0.00676		UB	0.00553	0.00671	0.00835
1.3 HZ	LB	0.00114	0.00000	0.00195	12.5 HZ	LB	0.00225	0.00579	0.00582
	EU	0.00251	0.00570	0.00491		EU	0.00668	0.00791	0.00957
	UB	0.00337	0.00963	0.00667		UB	0.00917	0.00958	0.01238
1.6 HZ	LB	0.00162	0.00000	0.00200	16.0 HZ	LB	0.00838	0.00681	0.01017
	EU	0.00243	0.00468	0.00536		EU	0.01170	0.00868	0.01404
	UB	0.00303	0.00570	0.00784		UB	0.01426	0.01022	0.01705
2.0 HZ	LB	0.00178	0.00201	0.00000	20.0 HZ	LB	0.00426	0.00404	0.00447
	EU	0.00252	0.00472	0.00703		EU	0.00555	0.00450	0.00543
	UB	0.00308	0.00537	0.01050		UB	0.00659	0.00510	0.00624
2.5 HZ	LB	0.00157	0.00312	0.00232	25.0 HZ	LB	0.00379	0.00431	0.00411
	EU	0.00238	0.00497	0.00819		EU	0.00462	0.00499	0.00492
	UB	0.00297	0.00630	0.01135		UB	0.00532	0.00559	0.00563
3.1 HZ	LB	0.00164	0.00229	0.00195	31.5 HZ	LB	0.00477	0.00568	0.00773
	EU	0.00230	0.00384	0.00680		EU	0.00538	0.00660	0.00865
	UB	0.00280	0.00492	0.00942		UB	0.00593	0.00741	0.00948
4.0 HZ	LB	0.00173	0.00180	0.00274	40.0 HZ	LB	0.00358	0.00387	0.00658
	EU	0.00231	0.00383	0.00930		EU	0.00433	0.00453	0.00857
	UB	0.00277	0.00510	0.01142		UB	0.00498	0.00510	0.01018
5.0 HZ	LB	0.00168	0.00000	0.00320	50.0 HZ	LB	0.00391	0.00419	0.00494
	EU	0.00342	0.00585	0.01472		EU	0.00437	0.00452	0.00545
	UB	0.00454	0.00895	0.02058		UB	0.00478	0.00482	0.00591
6.3 HZ	LB	0.00372	0.00340	0.00674	63.0 HZ	LB	0.00661	0.00657	0.00825
	EU	0.00507	0.00637	0.01066		EU	0.00752	0.00748	0.00915
	UB	0.00613	0.00835	0.01349		UB	0.00834	0.00830	0.00996
8.0 HZ	LB	0.00723	0.00097	0.00886	80.0 HZ	LB	0.00474	0.00473	0.00517
	EU	0.01078	0.00959	0.01257		EU	0.00513	0.00509	0.00551
	UB	0.01343	0.01353	0.01541		UB	0.00549	0.00543	0.00584

ISO Bands - RMS ACCELERATION IN M/S2

1.0 HZ	LB	0.00364	0.00000	0.00000	10.0 HZ	LB	0.03563	0.04523	0.05485
	EU	0.02373	0.04637	0.04218		EU	0.04618	0.05646	0.06971
	UB	0.03336	0.07072	0.05628		UB	0.05473	0.06581	0.08191
1.3 HZ	LB	0.01114	0.00000	0.01910	12.5 HZ	LB	0.02208	0.05668	0.05710
	EU	0.02465	0.06573	0.04815		EU	0.05550	0.07760	0.09485
	UB	0.03303	0.09447	0.06537		UB	0.08996	0.09397	0.12138
1.6 HZ	LB	0.01585	0.00000	0.00000	16.0 HZ	LB	0.08220	0.06681	0.09970
	EU	0.02381	0.04593	0.05252		EU	0.11470	0.08517	0.13765
	UB	0.02970	0.06568	0.07690		UB	0.13984	0.10021	0.16720
2.0 HZ	LB	0.01750	0.01971	0.00000	20.0 HZ	LB	0.04173	0.03966	0.04386
	EU	0.02467	0.04628	0.06897		EU	0.05440	0.04513	0.05325
	UB	0.03018	0.06242	0.10298		UB	0.06463	0.05000	0.06121
2.5 HZ	LB	0.01542	0.03063	0.02275	25.0 HZ	LB	0.03714	0.04231	0.04026
	EU	0.02332	0.04877	0.08035		EU	0.04528	0.04897	0.04829
	UB	0.02916	0.06180	0.11033		UB	0.05217	0.05484	0.05516
3.1 HZ	LB	0.01613	0.02241	0.01917	31.5 HZ	LB	0.04673	0.05568	0.07583
	EU	0.02253	0.03763	0.06668		EU	0.05275	0.06475	0.08484
	UB	0.02748	0.04827	0.09233		UB	0.05814	0.07270	0.09297
4.0 HZ	LB	0.01697	0.01761	0.02691	40.0 HZ	LB	0.03511	0.03799	0.06466
	EU	0.02267	0.03752	0.08142		EU	0.04250	0.04444	0.08407
	UB	0.02721	0.05005	0.11095		UB	0.04879	0.05006	0.09984
5.0 HZ	LB	0.01648	0.00000	0.03141	50.0 HZ	LB	0.03836	0.04110	0.04846
	EU	0.03355	0.05737	0.14439		EU	0.04285	0.04431	0.05342
	UB	0.04449	0.08773	0.20177		UB	0.04692	0.04731	0.05796
6.3 HZ	LB	0.03647	0.03337	0.06606	63.0 HZ	LB	0.06481	0.06441	0.08087
	EU	0.04972	0.06251	0.10453		EU	0.07377	0.07338	0.08969
	UB	0.06011	0.08187	0.13224		UB	0.08175	0.08138	0.09772
8.0 HZ	LB	0.07087	0.00955	0.08688	80.0 HZ	LB	0.04648	0.04637	0.05067
	EU	0.10573	0.09403	0.12326		EU	0.05030	0.04992	0.05407
	UB	0.13165	0.13264	0.15112		UB	0.05384	0.05324	0.05727

THE LIMITS

			EXPOSURE LIMITS					
CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	24.00000	24.00000	24.00000	10.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
1.3 HZ	LB	24.00000	24.00000	24.00000	12.5 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
1.6 HZ	LB	24.00000	24.00000	24.00000	16.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
2.0 HZ	LB	24.00000	24.00000	24.00000	20.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
2.5 HZ	LB	24.00000	24.00000	24.00000	25.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
3.1 HZ	LB	24.00000	24.00000	24.00000	31.5 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
4.0 HZ	LB	24.00000	24.00000	24.00000	40.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
5.0 HZ	LB	24.00000	24.00000	24.00000	50.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
6.3 HZ	LB	24.00000	24.00000	24.00000	63.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
8.0 HZ	LB	24.00000	24.00000	24.00000	80.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000

EXPOSURE LIMITS

	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	24.00000	24.00000
Center Freq (Hz):	1 Hz	1 Hz	1 Hz

FATIGUE LIMITS

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL
1.0 HZ	LB	24.00000	24.00000	24.00000	10.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
1.3 HZ	LB	24.00000	24.00000	24.00000	12.5 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
1.6 HZ	LB	24.00000	24.00000	24.00000	16.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
2.0 HZ	LB	24.00000	24.00000	24.00000	20.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
2.5 HZ	LB	24.00000	24.00000	24.00000	25.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
3.1 HZ	LB	24.00000	24.00000	24.00000	31.5 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
4.0 HZ	LB	24.00000	24.00000	24.00000	40.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	24.00000		UB	24.00000	24.00000
5.0 HZ	LB	24.00000	24.00000	24.00000	50.0 HZ	LB	24.00000	24.00000
	EU	24.00000	18.32848	24.00000		EU	24.00000	24.00000
	UB	24.00000	12.25961	24.00000		UB	24.00000	24.00000
6.3 HZ	LB	24.00000	24.00000	24.00000	63.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	24.00000		EU	24.00000	24.00000
	UB	24.00000	24.00000	20.35059		UB	24.00000	24.00000
8.0 HZ	LB	24.00000	24.00000	24.00000	80.0 HZ	LB	24.00000	24.00000
	EU	24.00000	24.00000	22.14296		EU	24.00000	24.00000
	UB	24.00000	24.00000	17.35461		UB	24.00000	24.00000

FATIGUE LIMITS

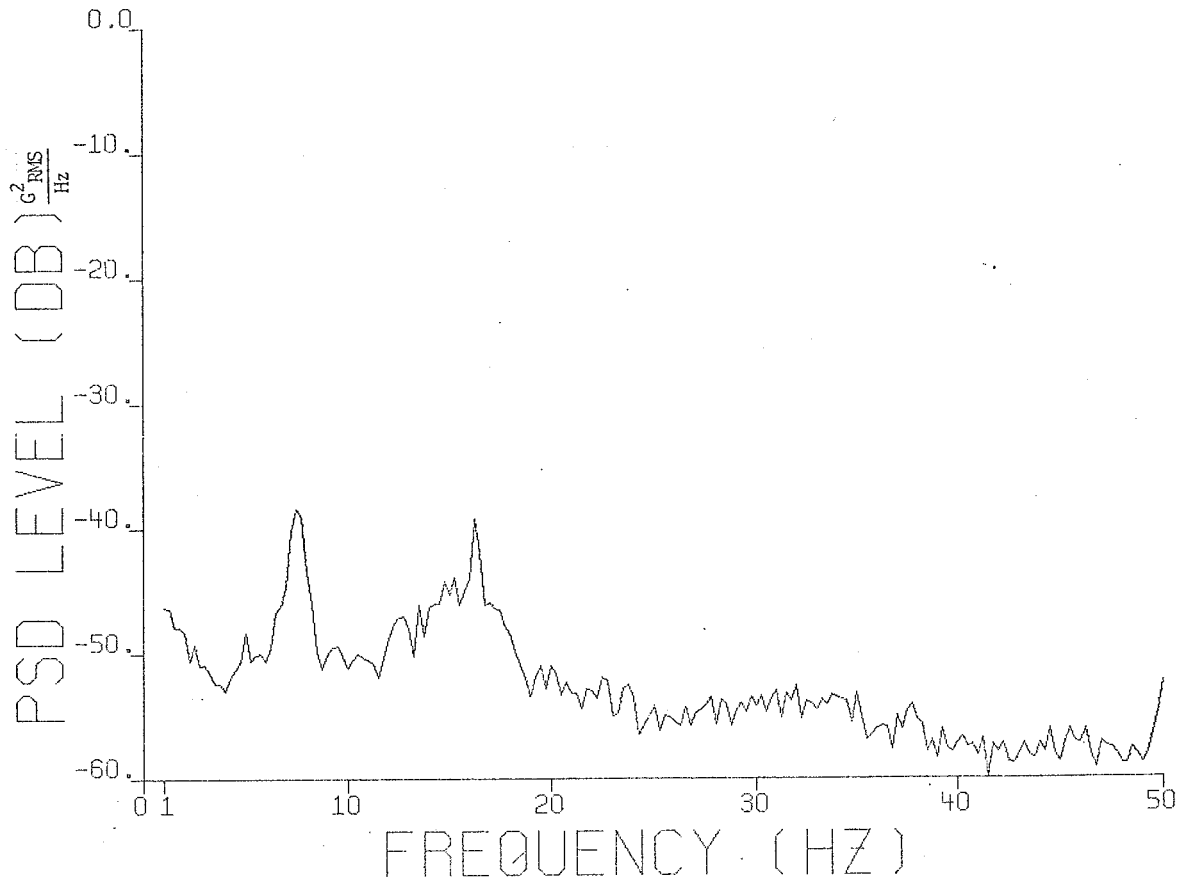
	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	24.00000	18.32848
Center Freq (Hz):	1 Hz	1 Hz	5 Hz

				REDUCED COMFORT					
CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL	
1.0 HZ	LB	24.00000	24.00000	24.00000	10.0 HZ	LB	24.00000	24.00000	19.29311
	EV	24.00000	14.17593	24.00000		EV	24.00000	24.00000	14.46638
	UB	22.07561	7.95054	24.00000		UB	24.00000	24.00000	11.89549
1.3 HZ	LB	24.00000	24.00000	24.00000	12.5 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	8.79812	24.00000		EV	24.00000	24.00000	13.15794
	UB	22.37225	5.28923	23.63370		UB	24.00000	24.00000	9.74243
1.6 HZ	LB	24.00000	24.00000	24.00000	16.0 HZ	LB	24.00000	24.00000	16.37223
	EV	24.00000	14.35973	24.00000		EV	24.00000	24.00000	11.07435
	UB	24.00000	8.80737	16.95081		UB	24.00000	24.00000	8.71572
2.0 HZ	LB	24.00000	24.00000	24.00000	20.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	14.20971	16.83281		EV	24.00000	24.00000	24.00000
	UB	24.00000	9.44803	10.35069		UB	24.00000	24.00000	24.00000
2.5 HZ	LB	24.00000	24.00000	24.00000	25.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	18.06536	12.17773		EV	24.00000	24.00000	24.00000
	UB	24.00000	13.11975	8.15300		UB	24.00000	24.00000	24.00000
3.1 HZ	LB	24.00000	24.00000	24.00000	31.5 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	24.00000	13.27998		EV	24.00000	24.00000	24.00000
	UB	24.00000	24.00000	8.91518		UB	24.00000	24.00000	24.00000
4.0 HZ	LB	24.00000	24.00000	24.00000	40.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	24.00000	9.03380		EV	24.00000	24.00000	24.00000
	UB	24.00000	24.00000	6.05800		UB	24.00000	24.00000	24.00000
5.0 HZ	LB	24.00000	24.00000	24.00000	50.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	24.00000	4.35628		EV	24.00000	24.00000	24.00000
	UB	24.00000	20.76132	2.76196		UB	24.00000	24.00000	24.00000
6.3 HZ	LB	24.00000	24.00000	11.67618	63.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	24.00000	6.60975		EV	24.00000	24.00000	24.00000
	UB	24.00000	24.00000	4.88840		UB	24.00000	24.00000	24.00000
8.0 HZ	LB	24.00000	24.00000	8.33523	80.0 HZ	LB	24.00000	24.00000	24.00000
	EV	24.00000	24.00000	5.35507		EV	24.00000	24.00000	24.00000
	UB	22.33618	22.11558	4.10128		UB	24.00000	24.00000	24.00000

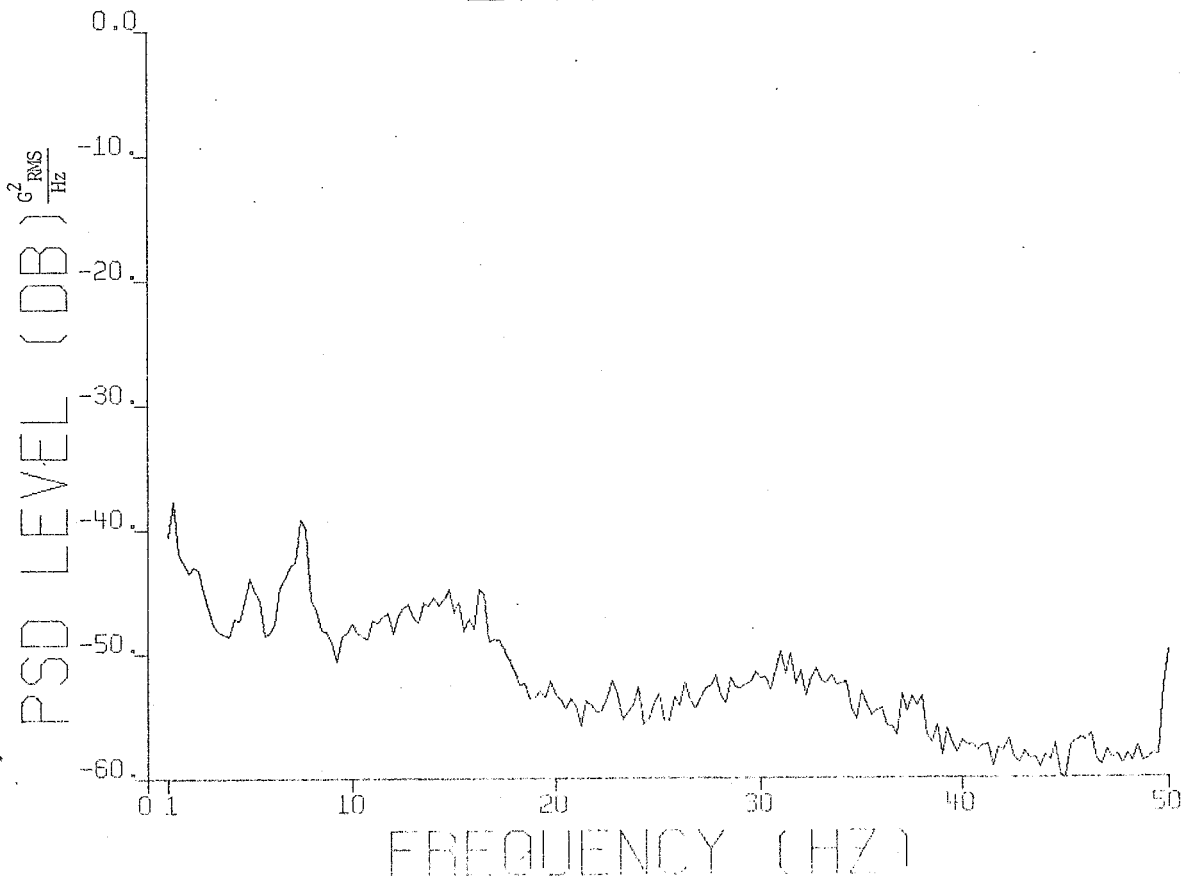
REDUCED COMFORT			
	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	8.79812	4.35628
Center Freq (Hz):	1	1.3	5

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3455-3582

# LONGITUDINAL

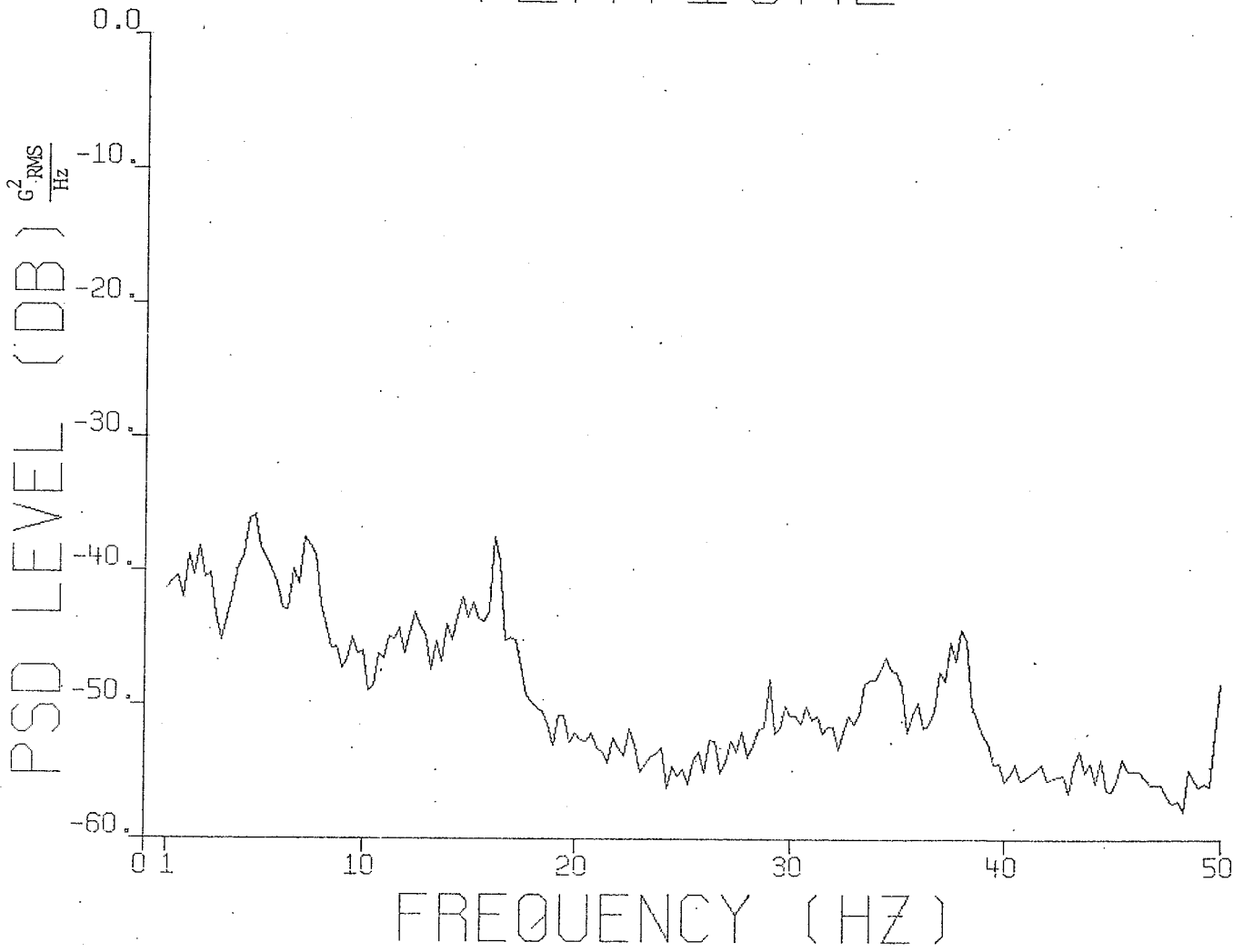


# LATERAL



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Southbound Run TCA 024 Car 855 RECS: 3455-3582

# VERTICAL







HISTOGRAM SUMMARY

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271  
Scans: 16384

VOLTAGE	ROLL	PITCH	YAW	VERTICAL	LONGITUDINAL	LATERAL
0.0	289.	71.	1218.	1548.	2495.	2425.
0.1	297.	61.	1136.	1450.	1922.	1768.
0.2	318.	69.	1045.	1300.	1409.	1194.
0.3	312.	48.	909.	975.	860.	788.
0.4	300.	51.	785.	765.	480.	595.
0.5	300.	53.	611.	611.	298.	397.
0.6	299.	71.	462.	435.	148.	225.
0.7	316.	42.	403.	290.	63.	140.
0.8	353.	59.	323.	180.	27.	70.
0.9	365.	46.	238.	134.	26.	47.
1.0	368.	67.	200.	75.	8.	23.
1.1	278.	65.	156.	74.	9.	14.
1.2	267.	63.	109.	43.	3.	6.
1.3	271.	59.	81.	31.	1.	4.
1.4	261.	58.	73.	17.	2.	2.
1.5	264.	47.	51.	17.	1.	0.
1.6	255.	57.	36.	10.	1.	0.
1.7	293.	47.	42.	14.	2.	0.
1.8	247.	71.	25.	5.	0.	0.
1.9	218.	66.	16.	10.	0.	0.
2.0	251.	64.	13.	7.	0.	0.
2.1	213.	53.	13.	3.	0.	0.
2.2	219.	58.	9.	1.	0.	0.
2.3	205.	65.	4.	0.	0.	0.
2.4	171.	60.	4.	0.	0.	0.
2.5	160.	65.	1.	1.	0.	0.
2.6	136.	59.	5.	1.	0.	0.
2.7	166.	60.	0.	1.	0.	0.
2.8	147.	57.	2.	1.	0.	0.
2.9	139.	64.	1.	0.	0.	0.
3.0	122.	57.	1.	0.	0.	0.
3.1	111.	51.	0.	0.	0.	0.
3.2	104.	55.	1.	0.	0.	0.
3.3	100.	43.	0.	0.	0.	0.
3.4	102.	57.	0.	0.	0.	0.
3.5	99.	54.	0.	0.	0.	0.
3.6	84.	47.	0.	0.	0.	0.
3.7	67.	45.	0.	0.	0.	0.
3.8	59.	60.	0.	0.	0.	0.
3.9	45.	56.	0.	0.	0.	0.
4.0	44.	43.	0.	0.	0.	0.
4.1	50.	57.	0.	0.	0.	0.
4.2	43.	51.	0.	0.	0.	0.
4.3	34.	48.	0.	0.	0.	0.
4.4	27.	49.	0.	0.	0.	0.
4.5	23.	53.	0.	0.	0.	0.
4.6	20.	53.	0.	0.	0.	0.
4.7	14.	50.	0.	0.	0.	0.
4.8	19.	55.	0.	0.	0.	0.
4.9	16.	64.	0.	0.	0.	0.
5.0	18.	46.	0.	0.	0.	0.
5.1	14.	39.	0.	0.	0.	0.
5.2	15.	51.	0.	0.	0.	0.
5.3	11.	49.	0.	0.	0.	0.
5.4	10.	59.	0.	0.	0.	0.
5.5	9.	40.	0.	0.	0.	0.
5.6	9.	53.	0.	0.	0.	0.
5.7	9.	39.	0.	0.	0.	0.
5.8	9.	41.	0.	0.	0.	0.
5.9	9.	40.	0.	0.	0.	0.
6.0	9.	39.	0.	0.	0.	0.
6.1	9.	44.	0.	0.	0.	0.
6.2	9.	33.	0.	0.	0.	0.
6.3	9.	41.	0.	0.	0.	0.
6.4	9.	41.	0.	0.	0.	0.
6.5	9.	40.	0.	0.	0.	0.
6.6	9.	46.	0.	0.	0.	0.
6.7	9.	45.	0.	0.	0.	0.
6.8	9.	41.	0.	0.	0.	0.
6.9	9.	36.	0.	0.	0.	0.
7.0	9.	42.	0.	0.	0.	0.
7.1	9.	45.	0.	0.	0.	0.
7.2	9.	42.	0.	0.	0.	0.
7.3	9.	41.	0.	0.	0.	0.
7.4	9.	36.	0.	0.	0.	0.
7.5	9.	40.	0.	0.	0.	0.
7.6	9.	43.	0.	0.	0.	0.
7.7	9.	38.	0.	0.	0.	0.
7.8	9.	36.	0.	0.	0.	0.
7.9	9.	34.	0.	0.	0.	0.
8.0	9.	35.	0.	0.	0.	0.
8.1	9.	44.	0.	0.	0.	0.
8.2	9.	36.	0.	0.	0.	0.
8.3	9.	36.	0.	0.	0.	0.
8.4	9.	36.	0.	0.	0.	0.
8.5	9.	36.	0.	0.	0.	0.
8.6	9.	36.	0.	0.	0.	0.
8.7	9.	36.	0.	0.	0.	0.
8.8	9.	39.	0.	0.	0.	0.
8.9	9.	33.	0.	0.	0.	0.
9.0	9.	36.	0.	0.	0.	0.
9.1	9.	39.	0.	0.	0.	0.
9.2	9.	35.	0.	0.	0.	0.
9.3	9.	45.	0.	0.	0.	0.
9.4	9.	62.	0.	0.	0.	0.
9.5	9.	112.	0.	0.	0.	0.
9.6	9.	261.	0.	0.	0.	0.
9.7	9.	2633.	0.	0.	0.	0.



Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TTA 024 Car 855 RECS: 3144-3271

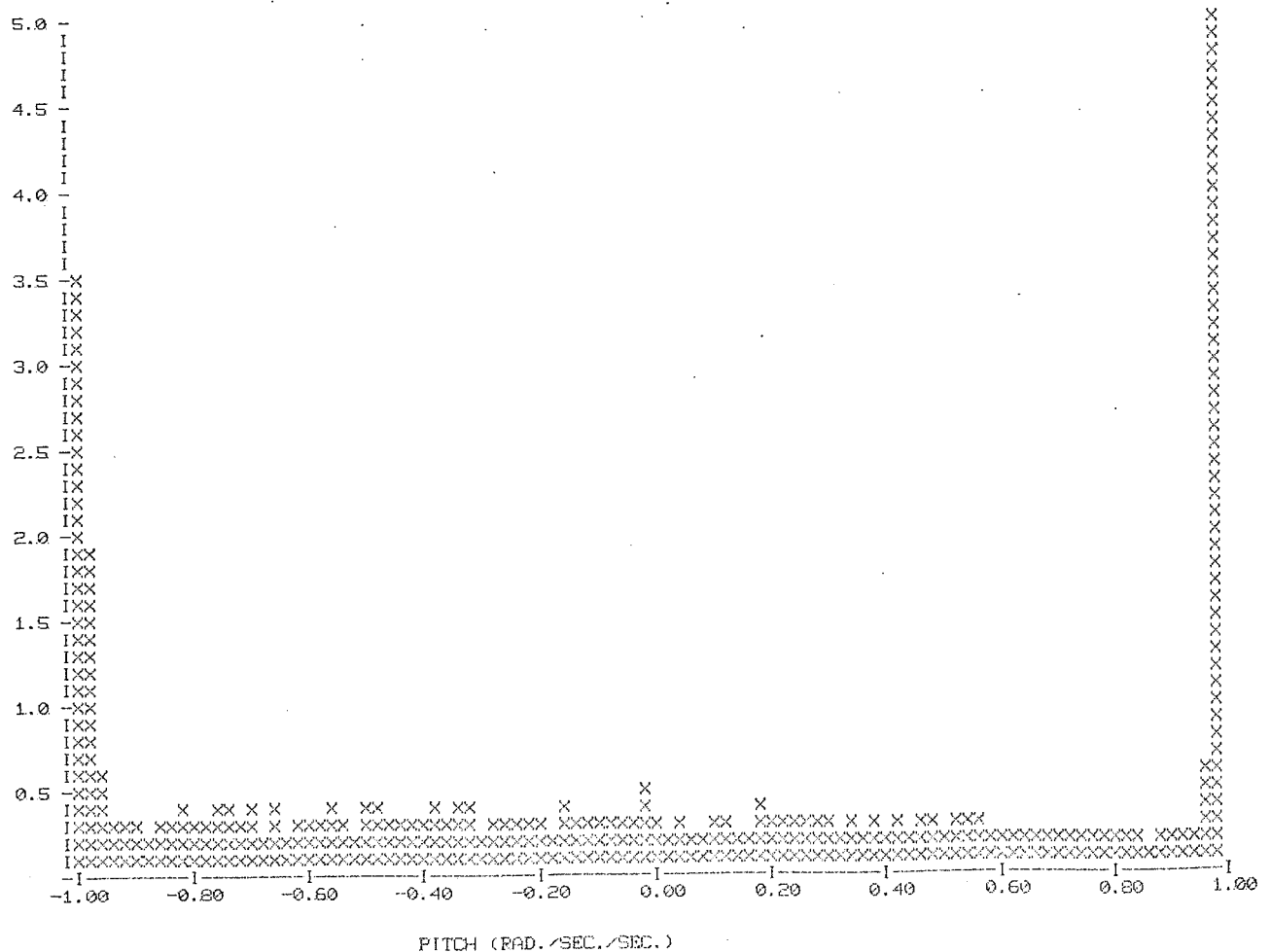
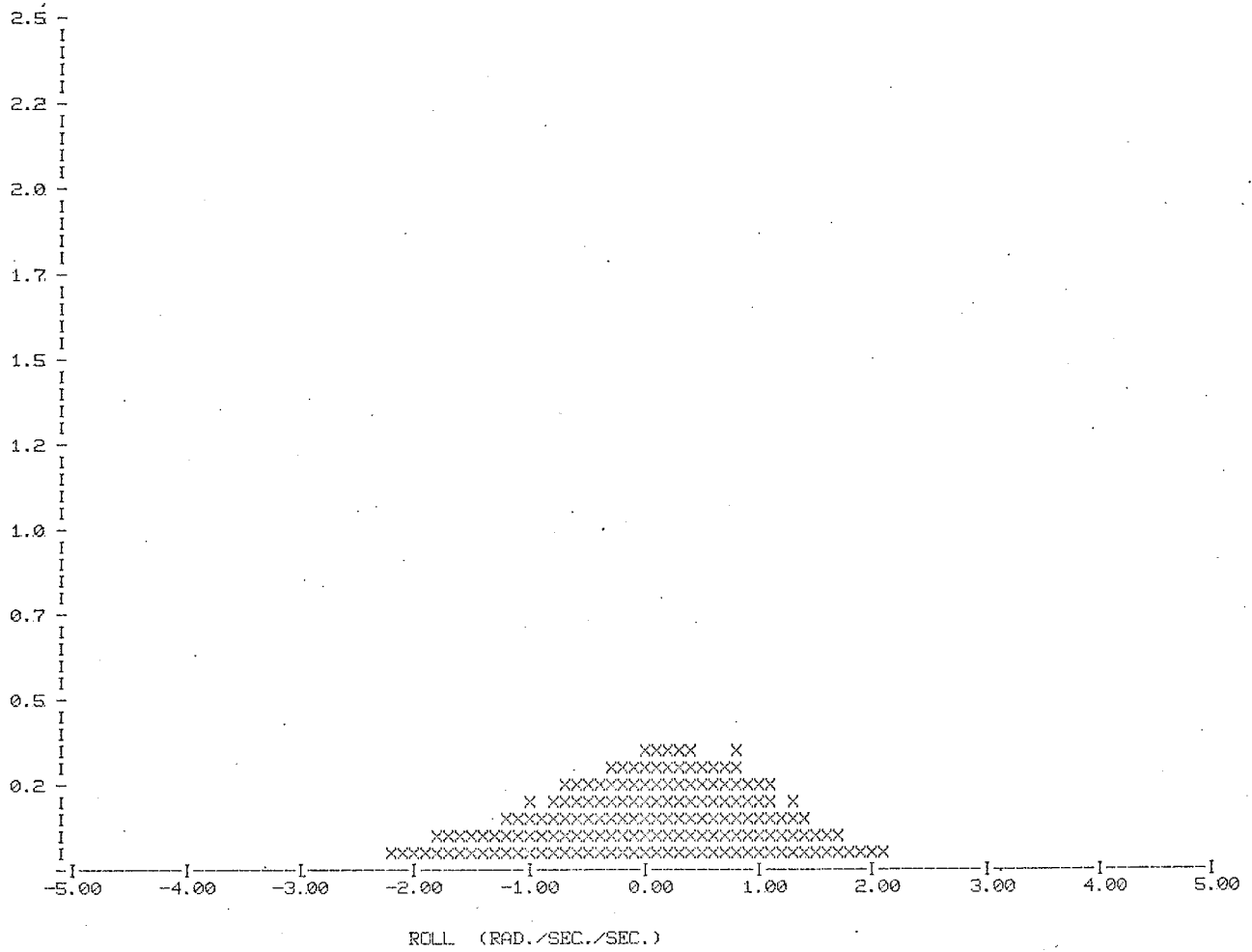
ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.07080	-1.00	6.52466	0.00000	0.00000	0.00000	0.00000
-4.95	0.00732	-0.99	3.58276	0.00000	0.00000	0.00000	0.00000
-4.90	0.00000	-0.98	3.05176	0.00000	0.00000	0.00000	0.00000
-4.85	0.00122	-0.97	1.95923	0.00000	0.00000	0.00000	0.00000
-4.80	0.00366	-0.96	1.06201	0.00000	0.00000	0.00000	0.00000
-4.75	0.00366	-0.95	0.51646	0.00000	0.00000	0.00000	0.00000
-4.70	0.00122	-0.94	0.46997	0.00000	0.00000	0.00000	0.00000
-4.65	0.00122	-0.93	0.37842	0.00000	0.00000	0.00000	0.00000
-4.60	0.00732	-0.92	0.32959	0.00000	0.00000	0.00000	0.00000
-4.55	0.00366	-0.91	0.37842	0.00000	0.00000	0.00000	0.00000
-4.50	0.00366	-0.90	0.36621	0.00000	0.00000	0.00000	0.00000
-4.45	0.00732	-0.89	0.31128	0.00000	0.00000	0.00000	0.00000
-4.40	0.00488	-0.88	0.34180	0.00000	0.00000	0.00000	0.00000
-4.35	0.00654	-0.87	0.25024	0.00000	0.00000	0.00000	0.00000
-4.30	0.00488	-0.86	0.28587	0.00000	0.00000	0.00000	0.00000
-4.25	0.00977	-0.85	0.39573	0.00000	0.00000	0.00000	0.00000
-4.20	0.00732	-0.84	0.34180	0.00000	0.00000	0.00000	0.00000
-4.15	0.00488	-0.83	0.34180	0.00000	0.00000	0.00000	0.00000
-4.10	0.00122	-0.82	0.24414	0.00000	0.00000	0.00000	0.00000
-4.05	0.01221	-0.81	0.40283	0.00000	0.00000	0.00000	0.00000
-4.00	0.01597	-0.80	0.31128	0.00000	0.00000	0.00000	0.00000
-3.95	0.01343	-0.79	0.36011	0.00000	0.00000	0.00000	0.00000
-3.90	0.00366	-0.78	0.29297	0.00000	0.00000	0.00000	0.00000
-3.85	0.01831	-0.77	0.37231	0.00000	0.00000	0.00000	0.00000
-3.80	0.01709	-0.76	0.34180	0.00000	0.00000	0.00000	0.00000
-3.75	0.00854	-0.75	0.40894	0.00000	0.00000	0.00000	0.00000
-3.70	0.01709	-0.74	0.45166	0.00000	0.00000	0.00000	0.00000
-3.65	0.01831	-0.73	0.41504	0.00000	0.00000	0.00000	0.00000
-3.60	0.01221	-0.72	0.37842	0.00000	0.00000	0.00000	0.00000
-3.55	0.01831	-0.71	0.30518	0.00000	0.00000	0.00000	0.00000
-3.50	0.00732	-0.70	0.36621	0.00000	0.00000	0.00000	0.00000
-3.45	0.02075	-0.69	0.42114	0.00000	0.00000	0.00000	0.00000
-3.40	0.01831	-0.68	0.37231	0.00000	0.00000	0.00000	0.00000
-3.35	0.00610	-0.67	0.29907	0.00000	0.00000	0.00000	0.00000
-3.30	0.01099	-0.66	0.32349	0.00000	0.00000	0.00000	0.00000
-3.25	0.02441	-0.65	0.40894	0.00000	0.00000	0.00000	0.00000
-3.20	0.01953	-0.64	0.37231	0.00000	0.00000	0.00000	0.00000
-3.15	0.02197	-0.63	0.29297	0.00000	0.00000	0.00000	0.00000
-3.10	0.01343	-0.62	0.39063	0.00000	0.00000	0.00000	0.00000
-3.05	0.02808	-0.61	0.38452	0.00000	0.00000	0.00000	0.00000
-3.00	0.03052	-0.60	0.37842	0.00000	0.00000	0.00000	0.00000
-2.95	0.01709	-0.59	0.31738	0.00000	0.00000	0.00000	0.00000
-2.90	0.03662	-0.58	0.46387	0.00000	0.00000	0.00000	0.00000
-2.85	0.02686	-0.57	0.34180	0.00000	0.00000	0.00000	0.00000
-2.80	0.01953	-0.56	0.35400	0.00000	0.00000	0.00000	0.00000
-2.75	0.03296	-0.55	0.42114	0.00000	0.00000	0.00000	0.00000
-2.70	0.03784	-0.54	0.39673	0.00000	0.00000	0.00000	0.00000
-2.65	0.03540	-0.53	0.32349	0.00000	0.00000	0.00000	0.00000
-2.60	0.04272	-0.52	0.35400	0.00000	0.00000	0.00000	0.00000
-2.55	0.03784	-0.51	0.28076	0.00000	0.00000	0.00000	0.00000
-2.50	0.03052	-0.50	0.33559	0.00000	0.00000	0.00000	0.00000
-2.45	0.04517	-0.49	0.40283	0.00000	0.00000	0.00000	0.00000
-2.40	0.04395	-0.48	0.42114	0.00000	0.00000	0.00000	0.00000
-2.35	0.04893	-0.47	0.45776	0.00000	0.00000	0.00000	0.00000
-2.30	0.04517	-0.46	0.47607	0.00000	0.00000	0.00000	0.00000
-2.25	0.04761	-0.45	0.39673	0.00000	0.00000	0.00000	0.00000
-2.20	0.05493	-0.44	0.43945	0.00000	0.00000	0.00000	0.00000
-2.15	0.06104	-0.43	0.34180	0.00000	0.00000	0.00000	0.00000
-2.10	0.06592	-0.42	0.42114	0.00000	0.00000	0.00000	0.00000
-2.05	0.06470	-0.41	0.35400	0.00000	0.00000	0.00000	0.00000
-2.00	0.07202	-0.40	0.33559	0.00000	0.00000	0.00000	0.00000
-1.95	0.07813	-0.39	0.34180	0.00000	0.00000	0.00000	0.00000
-1.90	0.08301	-0.38	0.37231	0.00000	0.00000	0.00000	0.00000
-1.85	0.07935	-0.37	0.40894	0.00000	0.00000	0.00000	0.00000
-1.80	0.08789	-0.36	0.40894	0.00000	0.00000	0.00000	0.00000
-1.75	0.10010	-0.35	0.32959	0.00000	0.00000	0.00000	0.00000
-1.70	0.10376	-0.34	0.31128	0.00000	0.00000	0.00000	0.00000
-1.65	0.11108	-0.33	0.40283	0.00000	0.00000	0.00000	0.00000
-1.60	0.10742	-0.32	0.46387	0.00000	0.00000	0.00000	0.00000
-1.55	0.11597	-0.31	0.43335	0.00000	0.00000	0.00000	0.00000
-1.50	0.11597	-0.30	0.45166	0.00000	0.00000	0.00000	0.00000
-1.45	0.10254	-0.29	0.29907	0.00510	0.00000	0.00000	0.00000
-1.40	0.14160	-0.28	0.32959	0.00000	0.00000	0.00000	0.00000
-1.35	0.13794	-0.27	0.37842	0.00610	0.00000	0.00000	0.00000
-1.30	0.13550	-0.26	0.43335	0.00000	0.00000	0.00000	0.00000
-1.25	0.13428	-0.25	0.36011	0.01221	0.00000	0.00000	0.00000
-1.20	0.15137	-0.24	0.35400	0.00610	0.00000	0.00000	0.00000
-1.15	0.15381	-0.23	0.34790	0.01831	0.00610	0.00000	0.00000
-1.10	0.16968	-0.22	0.42725	0.01831	0.01221	0.00000	0.00000
-1.05	0.17456	-0.21	0.39673	0.01831	0.00000	0.00000	0.00000
-1.00	0.18921	-0.20	0.33569	0.09155	0.02441	0.00000	0.00000
-0.95	0.20996	-0.19	0.34790	0.10986	0.03562	0.00000	0.00000
-0.90	0.20386	-0.18	0.35400	0.10986	0.04883	0.00000	0.00610
-0.85	0.19531	-0.17	0.29297	0.22583	0.07324	0.00000	0.00000
-0.80	0.22583	-0.16	0.34180	0.25635	0.03052	0.00000	0.00000
-0.75	0.21118	-0.15	0.42114	0.34790	0.05714	0.00000	0.00000
-0.70	0.25635	-0.14	0.36011	0.49438	0.17700	0.00000	0.00610
-0.65	0.25269	-0.13	0.36011	0.57983	0.21973	0.00000	0.01221
-0.60	0.28198	-0.12	0.35400	0.80566	0.21262	0.00000	0.01221
-0.55	0.27588	-0.11	0.38452	1.06812	0.42114	0.01831	0.03662
-0.50	0.26367	-0.10	0.39063	1.62964	0.75073	0.02441	0.04883
-0.45	0.28442	-0.09	0.34180	1.95923	1.10474	0.03052	0.12207
-0.40	0.27100	-0.08	0.34180	2.68555	1.78223	0.11597	0.33569
-0.35	0.29175	-0.07	0.31738	3.33252	2.49634	0.37842	0.63477
-0.30	0.31250	-0.06	0.40283	4.07104	3.83301	1.05853	1.75781
-0.25	0.31006	-0.05	0.39063	5.57251	5.48096	2.80634	3.15552
-0.20	0.34546	-0.04	0.29297	5.94482	7.05566	5.10352	6.20117
-0.15	0.33325	-0.03	0.31738	6.59180	8.45947	10.8837	10.0891
-0.10	0.32837	-0.02	0.31738	7.42798	9.16748	14.8132	14.2578
-0.05	0.31616	-0.01	0.50659	7.94067	9.71680	16.4001	16.4001

PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TTA 024 Car 855 RECS: 3144-3271

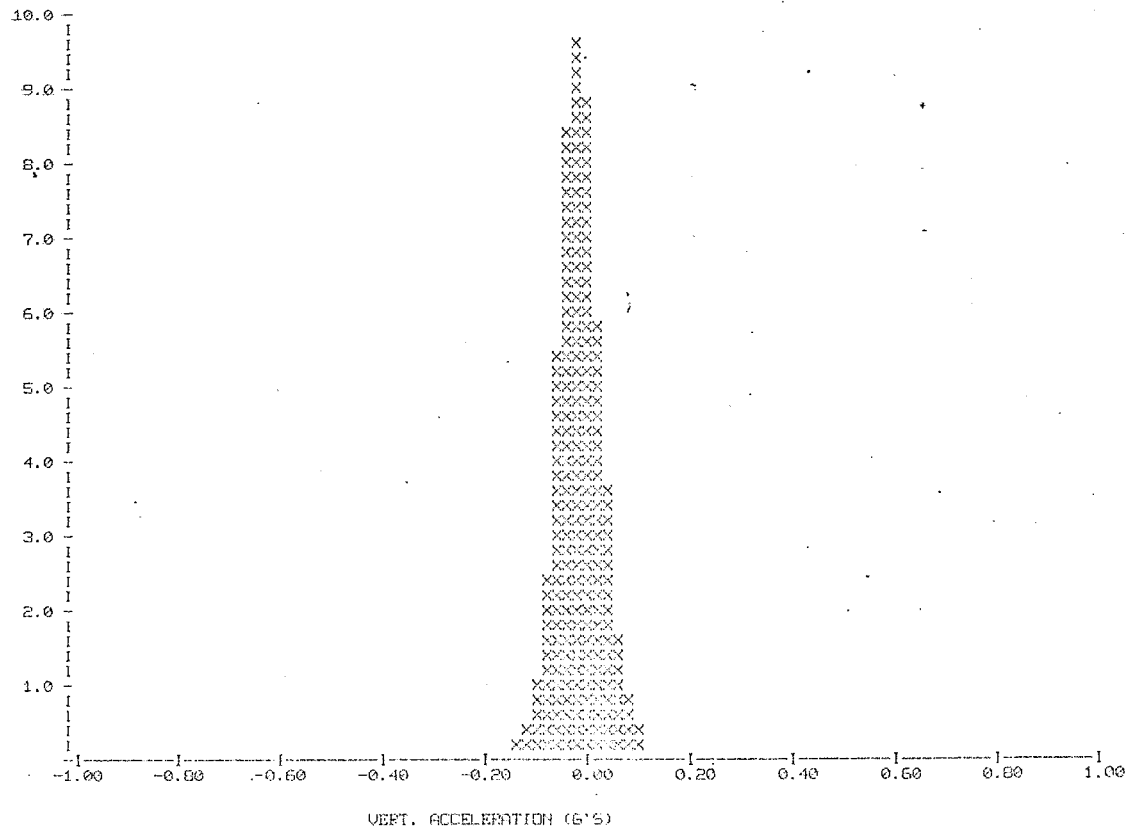
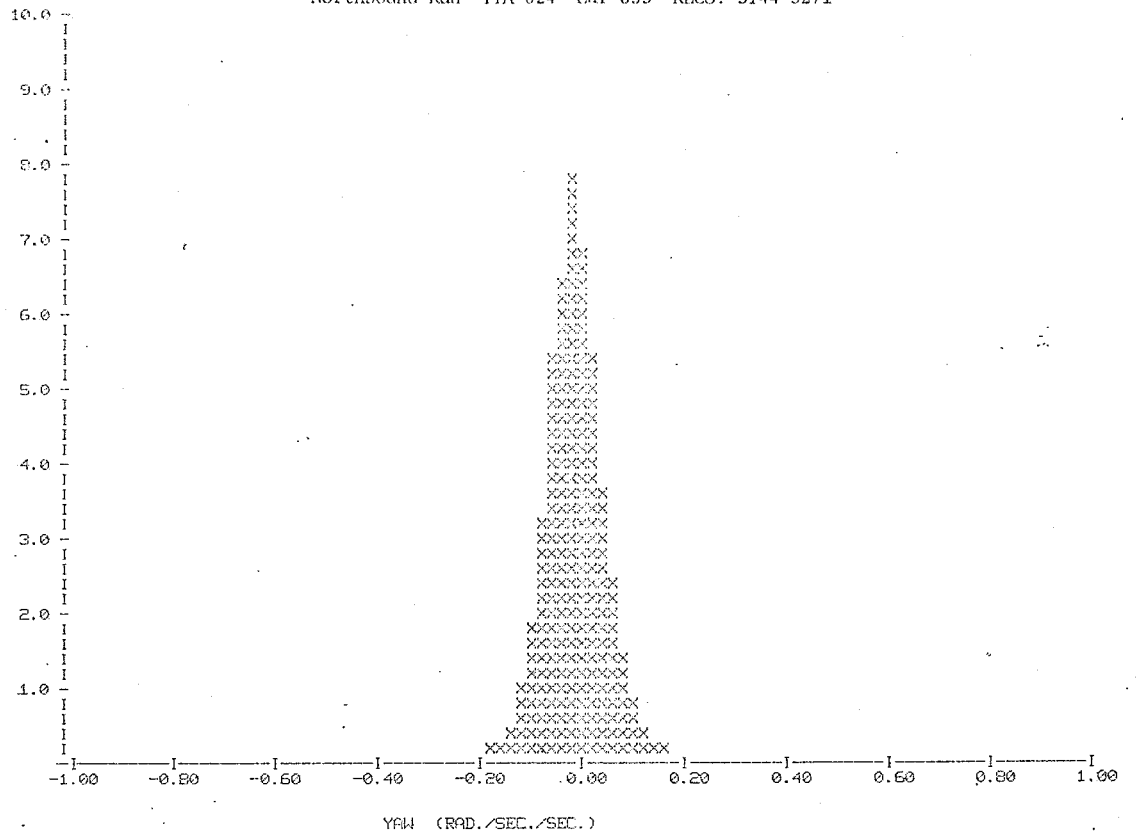
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0.05	0.35255	0.01	0.37231	6.93359	8.85010	11.7309	10.7910
0.10	0.35818	0.02	0.42114	6.37817	7.93457	8.59885	7.28760
0.15	0.35086	0.03	0.29297	5.54810	5.95093	5.24902	4.80957
0.20	0.35621	0.04	0.31128	4.79736	4.68919	2.92969	3.63159
0.25	0.35621	0.05	0.32349	3.72925	3.72925	1.81885	2.35206
0.30	0.35499	0.06	0.43335	2.81902	2.65503	0.90332	1.37329
0.35	0.35574	0.07	0.25635	2.45972	1.77002	0.38452	0.85449
0.40	0.42969	0.08	0.32349	1.97144	1.09863	0.16479	0.42725
0.45	0.37598	0.09	0.28076	1.45264	0.81787	0.15869	0.28687
0.50	0.35156	0.10	0.40894	1.22070	0.45776	0.04883	0.14038
0.55	0.33936	0.11	0.35673	0.95215	0.45166	0.05493	0.08545
0.60	0.32593	0.12	0.38452	0.66528	0.26245	0.01831	0.03662
0.65	0.33081	0.13	0.35011	0.49428	0.18921	0.00510	0.02441
0.70	0.31860	0.14	0.35400	0.44556	0.10376	0.01221	0.01221
0.75	0.32227	0.15	0.28687	0.31128	0.10376	0.00510	0.00000
0.80	0.31128	0.16	0.34790	0.21973	0.06104	0.00510	0.00000
0.85	0.35767	0.17	0.28687	0.25635	0.06545	0.01221	0.00000
0.90	0.30151	0.18	0.43335	0.15259	0.03052	0.00000	0.00000
0.95	0.26511	0.19	0.40283	0.09766	0.06104	0.00000	0.00000
1.00	0.30640	0.20	0.39063	0.07935	0.04272	0.00000	0.00000
1.05	0.26001	0.21	0.32349	0.07935	0.01831	0.00000	0.00000
1.10	0.26733	0.22	0.35400	0.05493	0.00510	0.00000	0.00000
1.15	0.25024	0.23	0.39673	0.02441	0.00000	0.00000	0.00000
1.20	0.20874	0.24	0.36621	0.02441	0.00000	0.00000	0.00000
1.25	0.19531	0.25	0.39673	0.00610	0.00510	0.00000	0.00000
1.30	0.16602	0.26	0.36011	0.03052	0.00510	0.00000	0.00000
1.35	0.20264	0.27	0.36621	0.00000	0.00510	0.00000	0.00000
1.40	0.17944	0.28	0.34790	0.01221	0.00510	0.00000	0.00000
1.45	0.16968	0.29	0.39063	0.00510	0.00000	0.00000	0.00000
1.50	0.14893	0.30	0.34790	0.00510	0.00000	0.00000	0.00000
1.55	0.13550	0.31	0.31128	0.00000	0.00000	0.00000	0.00000
1.60	0.12695	0.32	0.33569	0.00510	0.00000	0.00000	0.00000
1.65	0.12207	0.33	0.26245	0.00000	0.00000	0.00000	0.00000
1.70	0.12451	0.34	0.34790	0.00000	0.00000	0.00000	0.00000
1.75	0.12085	0.35	0.32959	0.00000	0.00000	0.00000	0.00000
1.80	0.10254	0.36	0.28687	0.00000	0.00000	0.00000	0.00000
1.85	0.08179	0.37	0.27466	0.00000	0.00000	0.00000	0.00000
1.90	0.08423	0.38	0.37842	0.00000	0.00000	0.00000	0.00000
1.95	0.07202	0.39	0.36621	0.00000	0.00000	0.00000	0.00000
2.00	0.05493	0.40	0.34180	0.00000	0.00000	0.00000	0.00000
2.05	0.07080	0.41	0.26245	0.00000	0.00000	0.00000	0.00000
2.10	0.06104	0.42	0.34790	0.00000	0.00000	0.00000	0.00000
2.15	0.05249	0.43	0.31128	0.00000	0.00000	0.00000	0.00000
2.20	0.04150	0.44	0.28297	0.00000	0.00000	0.00000	0.00000
2.25	0.03295	0.45	0.29907	0.00000	0.00000	0.00000	0.00000
2.30	0.04023	0.46	0.32349	0.00000	0.00000	0.00000	0.00000
2.35	0.02441	0.47	0.32349	0.00000	0.00000	0.00000	0.00000
2.40	0.01709	0.48	0.30518	0.00000	0.00000	0.00000	0.00000
2.45	0.02319	0.49	0.33569	0.00000	0.00000	0.00000	0.00000
2.50	0.01953	0.50	0.39063	0.00000	0.00000	0.00000	0.00000
2.55	0.02197	0.51	0.28076	0.00000	0.00000	0.00000	0.00000
2.60	0.01709	0.52	0.23804	0.00000	0.00000	0.00000	0.00000
2.65	0.01831	0.53	0.31128	0.00000	0.00000	0.00000	0.00000
2.70	0.01343	0.54	0.29907	0.00000	0.00000	0.00000	0.00000
2.75	0.01587	0.55	0.36011	0.00000	0.00000	0.00000	0.00000
2.80	0.01099	0.56	0.24414	0.00000	0.00000	0.00000	0.00000
2.85	0.00854	0.57	0.32349	0.00000	0.00000	0.00000	0.00000
2.90	0.01099	0.58	0.23804	0.00000	0.00000	0.00000	0.00000
2.95	0.01099	0.59	0.25024	0.00000	0.00000	0.00000	0.00000
3.00	0.00244	0.60	0.24414	0.00000	0.00000	0.00000	0.00000
3.05	0.00854	0.61	0.23804	0.00000	0.00000	0.00000	0.00000
3.10	0.00488	0.62	0.23804	0.00000	0.00000	0.00000	0.00000
3.15	0.00610	0.63	0.26655	0.00000	0.00000	0.00000	0.00000
3.20	0.00488	0.64	0.20142	0.00000	0.00000	0.00000	0.00000
3.25	0.00244	0.65	0.25024	0.00000	0.00000	0.00000	0.00000
3.30	0.00488	0.66	0.25024	0.00000	0.00000	0.00000	0.00000
3.35	0.00854	0.67	0.26245	0.00000	0.00000	0.00000	0.00000
3.40	0.00366	0.68	0.28076	0.00000	0.00000	0.00000	0.00000
3.45	0.00244	0.69	0.28076	0.00000	0.00000	0.00000	0.00000
3.50	0.00122	0.70	0.25024	0.00000	0.00000	0.00000	0.00000
3.55	0.00366	0.71	0.21973	0.00000	0.00000	0.00000	0.00000
3.60	0.00366	0.72	0.25635	0.00000	0.00000	0.00000	0.00000
3.65	0.00244	0.73	0.27466	0.00000	0.00000	0.00000	0.00000
3.70	0.00366	0.74	0.25635	0.00000	0.00000	0.00000	0.00000
3.75	0.00366	0.75	0.25024	0.00000	0.00000	0.00000	0.00000
3.80	0.00122	0.76	0.25024	0.00000	0.00000	0.00000	0.00000
3.85	0.00000	0.77	0.21973	0.00000	0.00000	0.00000	0.00000
3.90	0.00000	0.78	0.24414	0.00000	0.00000	0.00000	0.00000
3.95	0.00122	0.79	0.26245	0.00000	0.00000	0.00000	0.00000
4.00	0.00000	0.80	0.23193	0.00000	0.00000	0.00000	0.00000
4.05	0.00244	0.81	0.21973	0.00000	0.00000	0.00000	0.00000
4.10	0.00488	0.82	0.20752	0.00000	0.00000	0.00000	0.00000
4.15	0.00000	0.83	0.21362	0.00000	0.00000	0.00000	0.00000
4.20	0.00366	0.84	0.26855	0.00000	0.00000	0.00000	0.00000
4.25	0.00244	0.85	0.21362	0.00000	0.00000	0.00000	0.00000
4.30	0.00000	0.86	0.21362	0.00000	0.00000	0.00000	0.00000
4.35	0.00000	0.87	0.19531	0.00000	0.00000	0.00000	0.00000
4.40	0.00000	0.88	0.21973	0.00000	0.00000	0.00000	0.00000
4.45	0.00244	0.89	0.21973	0.00000	0.00000	0.00000	0.00000
4.50	0.00122	0.90	0.23804	0.00000	0.00000	0.00000	0.00000
4.55	0.00000	0.91	0.20142	0.00000	0.00000	0.00000	0.00000
4.60	0.00000	0.92	0.21973	0.00000	0.00000	0.00000	0.00000
4.65	0.00000	0.93	0.23804	0.00000	0.00000	0.00000	0.00000
4.70	0.00122	0.94	0.21362	0.00000	0.00000	0.00000	0.00000
4.75	0.00000	0.95	0.27466	0.00000	0.00000	0.00000	0.00000
4.80	0.00000	0.96	0.37842	0.00000	0.00000	0.00000	0.00000
4.85	0.00000	0.97	0.68359	0.00000	0.00000	0.00000	0.00000
4.90	0.00000	0.98	1.59302	0.00000	0.00000	0.00000	0.00000
4.95	0.00366	0.99	17.2912	0.00000	0.00000	0.00000	0.00000

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271



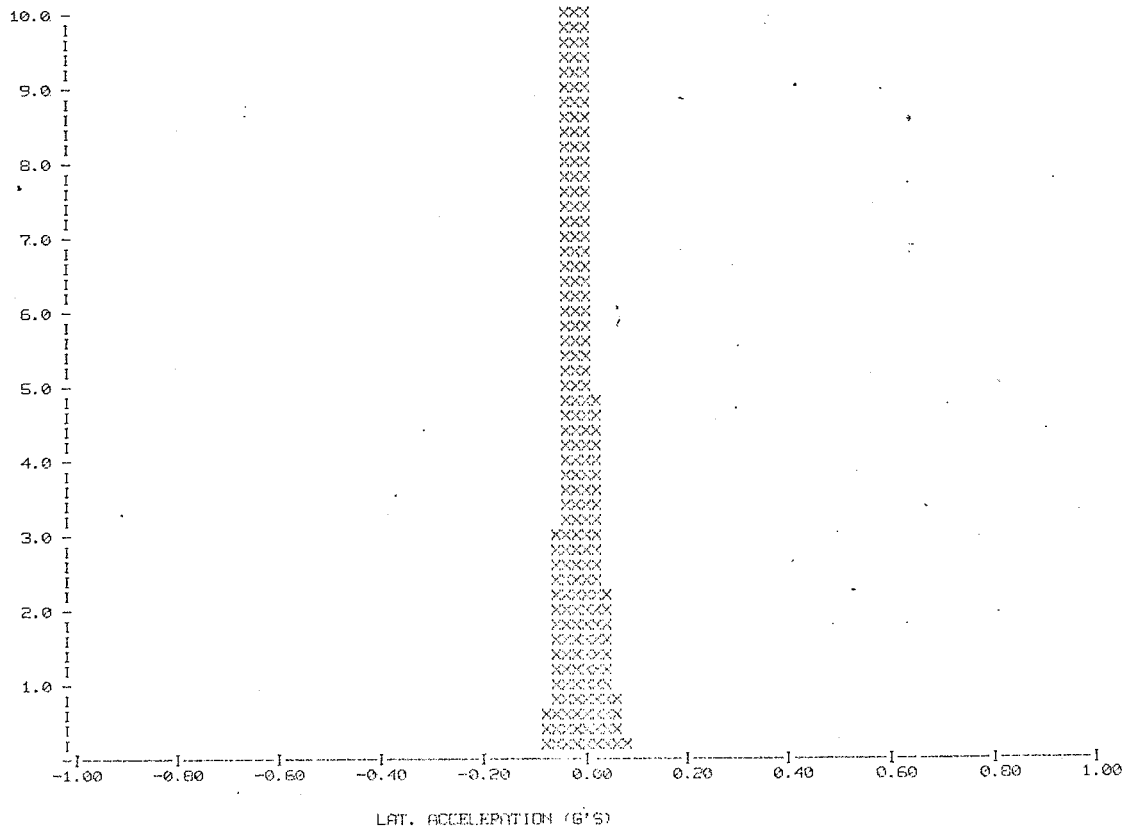
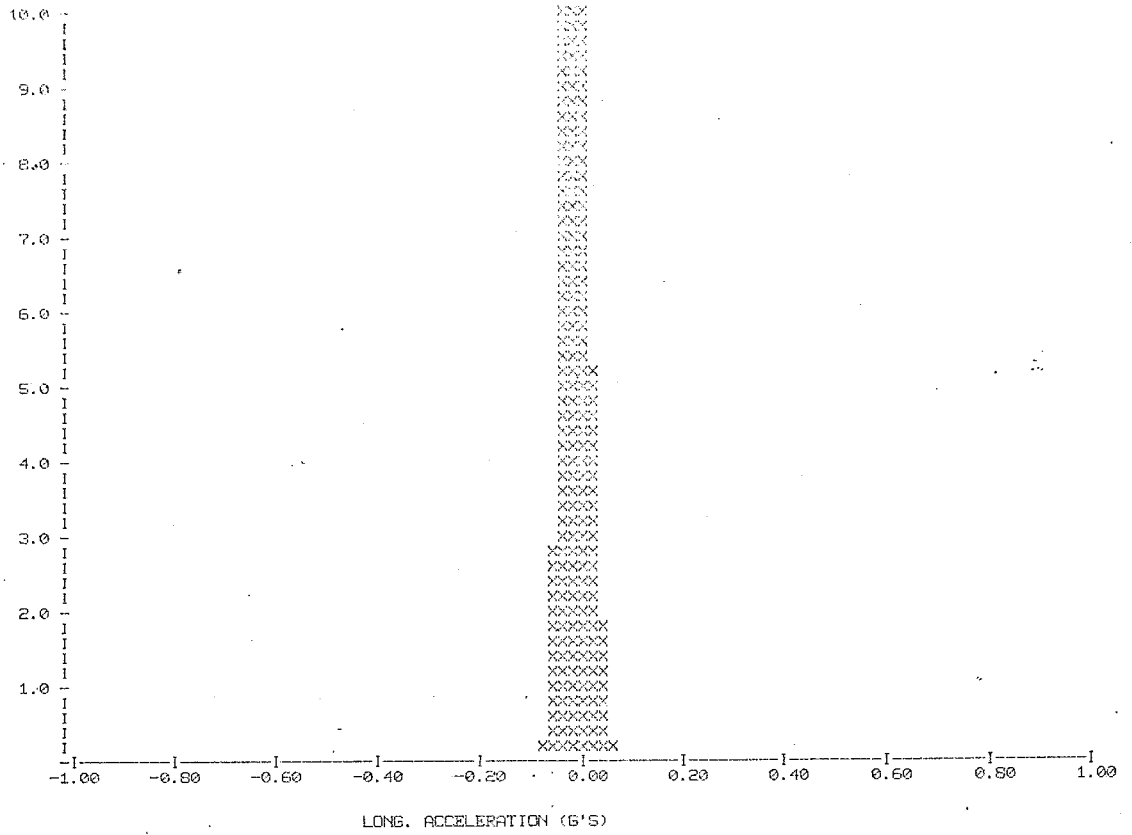
PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TIA 024 Car 855 RECS: 3144-3271



PROBABILITY DENSITY ESTIMATE

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271



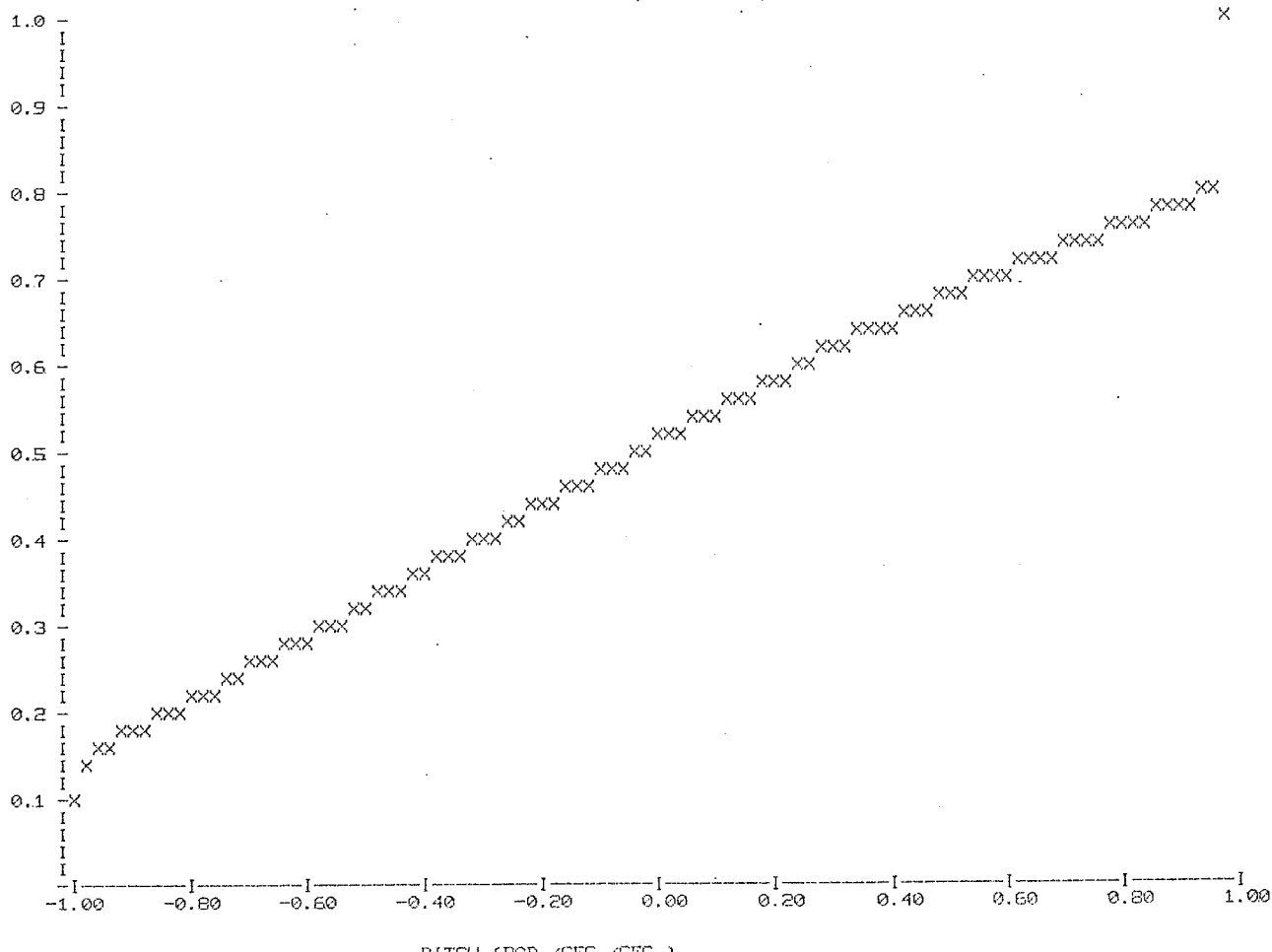
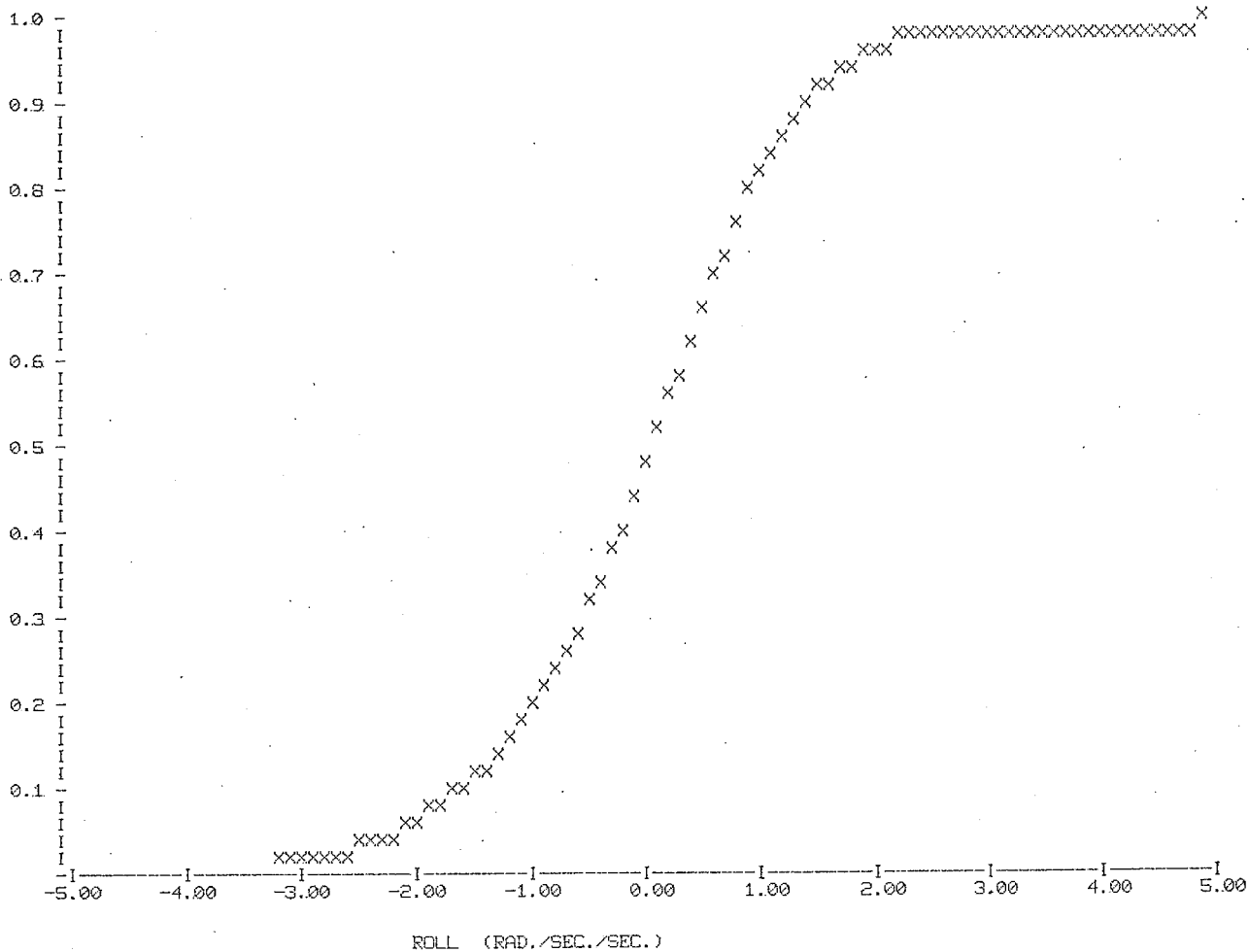
Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271

ABSCISSA 1 Rad/Sec/Sec	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
-5.00	0.00354	-1.00	0.06525	0.00000	0.00000	0.00000	0.00000
-4.95	0.00391	-0.99	0.10107	0.00000	0.00000	0.00000	0.00000
-4.90	0.00391	-0.98	0.13159	0.00000	0.00000	0.00000	0.00000
-4.85	0.00397	-0.97	0.15118	0.00000	0.00000	0.00000	0.00000
-4.80	0.00415	-0.96	0.16180	0.00000	0.00000	0.00000	0.00000
-4.75	0.00433	-0.95	0.16797	0.00000	0.00000	0.00000	0.00000
-4.70	0.00439	-0.94	0.17267	0.00000	0.00000	0.00000	0.00000
-4.65	0.00446	-0.93	0.17545	0.00000	0.00000	0.00000	0.00000
-4.60	0.00482	-0.92	0.17975	0.00000	0.00000	0.00000	0.00000
-4.55	0.00500	-0.91	0.18353	0.00000	0.00000	0.00000	0.00000
-4.50	0.00519	-0.90	0.18719	0.00000	0.00000	0.00000	0.00000
-4.45	0.00555	-0.89	0.19031	0.00000	0.00000	0.00000	0.00000
-4.40	0.00580	-0.88	0.19373	0.00000	0.00000	0.00000	0.00000
-4.35	0.00623	-0.87	0.19623	0.00000	0.00000	0.00000	0.00000
-4.30	0.00647	-0.86	0.19910	0.00000	0.00000	0.00000	0.00000
-4.25	0.00696	-0.85	0.20306	0.00000	0.00000	0.00000	0.00000
-4.20	0.00732	-0.84	0.20548	0.00000	0.00000	0.00000	0.00000
-4.15	0.00757	-0.83	0.20990	0.00000	0.00000	0.00000	0.00000
-4.10	0.00763	-0.82	0.21234	0.00000	0.00000	0.00000	0.00000
-4.05	0.00824	-0.81	0.21637	0.00000	0.00000	0.00000	0.00000
-4.00	0.00903	-0.80	0.21948	0.00000	0.00000	0.00000	0.00000
-3.95	0.00970	-0.79	0.22308	0.00000	0.00000	0.00000	0.00000
-3.90	0.00989	-0.78	0.22501	0.00000	0.00000	0.00000	0.00000
-3.85	0.01080	-0.77	0.22774	0.00000	0.00000	0.00000	0.00000
-3.80	0.01166	-0.76	0.23315	0.00000	0.00000	0.00000	0.00000
-3.75	0.01208	-0.75	0.23724	0.00000	0.00000	0.00000	0.00000
-3.70	0.01294	-0.74	0.24176	0.00000	0.00000	0.00000	0.00000
-3.65	0.01385	-0.73	0.24591	0.00000	0.00000	0.00000	0.00000
-3.60	0.01447	-0.72	0.24969	0.00000	0.00000	0.00000	0.00000
-3.55	0.01538	-0.71	0.25275	0.00000	0.00000	0.00000	0.00000
-3.50	0.01575	-0.70	0.25641	0.00000	0.00000	0.00000	0.00000
-3.45	0.01678	-0.69	0.25062	0.00000	0.00000	0.00000	0.00000
-3.40	0.01770	-0.68	0.25434	0.00000	0.00000	0.00000	0.00000
-3.35	0.01801	-0.67	0.25733	0.00000	0.00000	0.00000	0.00000
-3.30	0.01855	-0.66	0.27057	0.00000	0.00000	0.00000	0.00000
-3.25	0.01978	-0.65	0.27466	0.00000	0.00000	0.00000	0.00000
-3.20	0.02075	-0.64	0.27838	0.00000	0.00000	0.00000	0.00000
-3.15	0.02185	-0.63	0.28131	0.00000	0.00000	0.00000	0.00000
-3.10	0.02252	-0.62	0.28522	0.00000	0.00000	0.00000	0.00000
-3.05	0.02393	-0.61	0.28906	0.00000	0.00000	0.00000	0.00000
-3.00	0.02545	-0.60	0.29285	0.00000	0.00000	0.00000	0.00000
-2.95	0.02631	-0.59	0.29602	0.00000	0.00000	0.00000	0.00000
-2.90	0.02814	-0.58	0.30066	0.00000	0.00000	0.00000	0.00000
-2.85	0.02948	-0.57	0.30408	0.00000	0.00000	0.00000	0.00000
-2.80	0.03046	-0.56	0.30762	0.00000	0.00000	0.00000	0.00000
-2.75	0.03210	-0.55	0.31183	0.00000	0.00000	0.00000	0.00000
-2.70	0.03400	-0.54	0.31580	0.00000	0.00000	0.00000	0.00000
-2.65	0.03577	-0.53	0.31903	0.00000	0.00000	0.00000	0.00000
-2.60	0.03790	-0.52	0.32257	0.00000	0.00000	0.00000	0.00000
-2.55	0.03979	-0.51	0.32538	0.00000	0.00000	0.00000	0.00000
-2.50	0.04132	-0.50	0.32874	0.00000	0.00000	0.00000	0.00000
-2.45	0.04353	-0.49	0.33276	0.00000	0.00000	0.00000	0.00000
-2.40	0.04578	-0.48	0.33698	0.00000	0.00000	0.00000	0.00000
-2.35	0.04822	-0.47	0.34155	0.00000	0.00000	0.00000	0.00000
-2.30	0.05048	-0.46	0.34631	0.00000	0.00000	0.00000	0.00000
-2.25	0.05286	-0.45	0.35028	0.00000	0.00000	0.00000	0.00000
-2.20	0.05560	-0.44	0.35468	0.00000	0.00000	0.00000	0.00000
-2.15	0.05865	-0.43	0.35809	0.00000	0.00000	0.00000	0.00000
-2.10	0.06195	-0.42	0.36230	0.00000	0.00000	0.00000	0.00000
-2.05	0.06519	-0.41	0.36584	0.00000	0.00000	0.00000	0.00000
-2.00	0.06879	-0.40	0.36920	0.00000	0.00000	0.00000	0.00000
-1.95	0.07269	-0.39	0.37262	0.00000	0.00000	0.00000	0.00000
-1.90	0.07684	-0.38	0.37634	0.00000	0.00000	0.00000	0.00000
-1.85	0.08081	-0.37	0.38043	0.00000	0.00000	0.00000	0.00000
-1.80	0.08521	-0.36	0.38452	0.00000	0.00000	0.00000	0.00000
-1.75	0.09021	-0.35	0.38782	0.00000	0.00000	0.00000	0.00000
-1.70	0.09540	-0.34	0.39093	0.00000	0.00000	0.00000	0.00000
-1.65	0.10095	-0.33	0.39496	0.00000	0.00000	0.00000	0.00000
-1.60	0.10632	-0.32	0.39960	0.00000	0.00000	0.00000	0.00000
-1.55	0.11212	-0.31	0.40393	0.00000	0.00000	0.00000	0.00000
-1.50	0.11792	-0.30	0.40845	0.00000	0.00000	0.00000	0.00000
-1.45	0.12305	-0.29	0.41144	0.00006	0.00000	0.00000	0.00000
-1.40	0.13013	-0.28	0.41473	0.00005	0.00000	0.00000	0.00000
-1.35	0.13702	-0.27	0.41852	0.00012	0.00000	0.00000	0.00000
-1.30	0.14380	-0.26	0.42285	0.00012	0.00000	0.00000	0.00000
-1.25	0.15051	-0.25	0.42645	0.00024	0.00000	0.00000	0.00000
-1.20	0.15808	-0.24	0.42999	0.00031	0.00000	0.00000	0.00000
-1.15	0.16577	-0.23	0.43347	0.00049	0.00005	0.00000	0.00000
-1.10	0.17426	-0.22	0.43774	0.00067	0.00018	0.00000	0.00000
-1.05	0.18298	-0.21	0.44171	0.00085	0.00018	0.00000	0.00000
-1.00	0.19244	-0.20	0.44507	0.00177	0.00043	0.00000	0.00000
-0.95	0.20294	-0.19	0.44855	0.00287	0.00079	0.00000	0.00000
-0.90	0.21313	-0.18	0.45209	0.00397	0.00128	0.00000	0.00005
-0.85	0.22290	-0.17	0.45502	0.00523	0.00201	0.00000	0.00005
-0.80	0.23419	-0.16	0.45844	0.00879	0.00232	0.00000	0.00005
-0.75	0.24475	-0.15	0.46265	0.01227	0.00299	0.00000	0.00005
-0.70	0.25757	-0.14	0.46625	0.01721	0.00476	0.00000	0.00012
-0.65	0.27020	-0.13	0.46985	0.02301	0.00696	0.00000	0.00024
-0.60	0.28430	-0.12	0.47339	0.03107	0.00909	0.00000	0.00037
-0.55	0.29810	-0.11	0.47723	0.04175	0.01331	0.00018	0.00073
-0.50	0.31128	-0.10	0.48114	0.05894	0.02031	0.00043	0.00122
-0.45	0.32550	-0.09	0.48456	0.07764	0.03185	0.00073	0.00244
-0.40	0.33905	-0.08	0.48798	0.10449	0.04968	0.00189	0.00580
-0.35	0.35364	-0.07	0.49115	0.13782	0.07465	0.00558	0.01215
-0.30	0.36926	-0.06	0.49518	0.17853	0.11298	0.01866	0.02972
-0.25	0.38477	-0.05	0.49908	0.23425	0.16779	0.04517	0.05128
-0.20	0.40204	-0.04	0.50301	0.29870	0.23834	0.10620	0.12329
-0.15	0.41870	-0.03	0.50619	0.35962	0.32294	0.21454	0.22418
-0.10	0.43512	-0.02	0.50836	0.43390	0.41461	0.36267	0.36576
-0.05	0.45093	-0.01	0.51343	0.51331	0.51178	0.52667	0.53076

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
 Northbound Run TTA 024 Car 855 RECS: 3144-3271

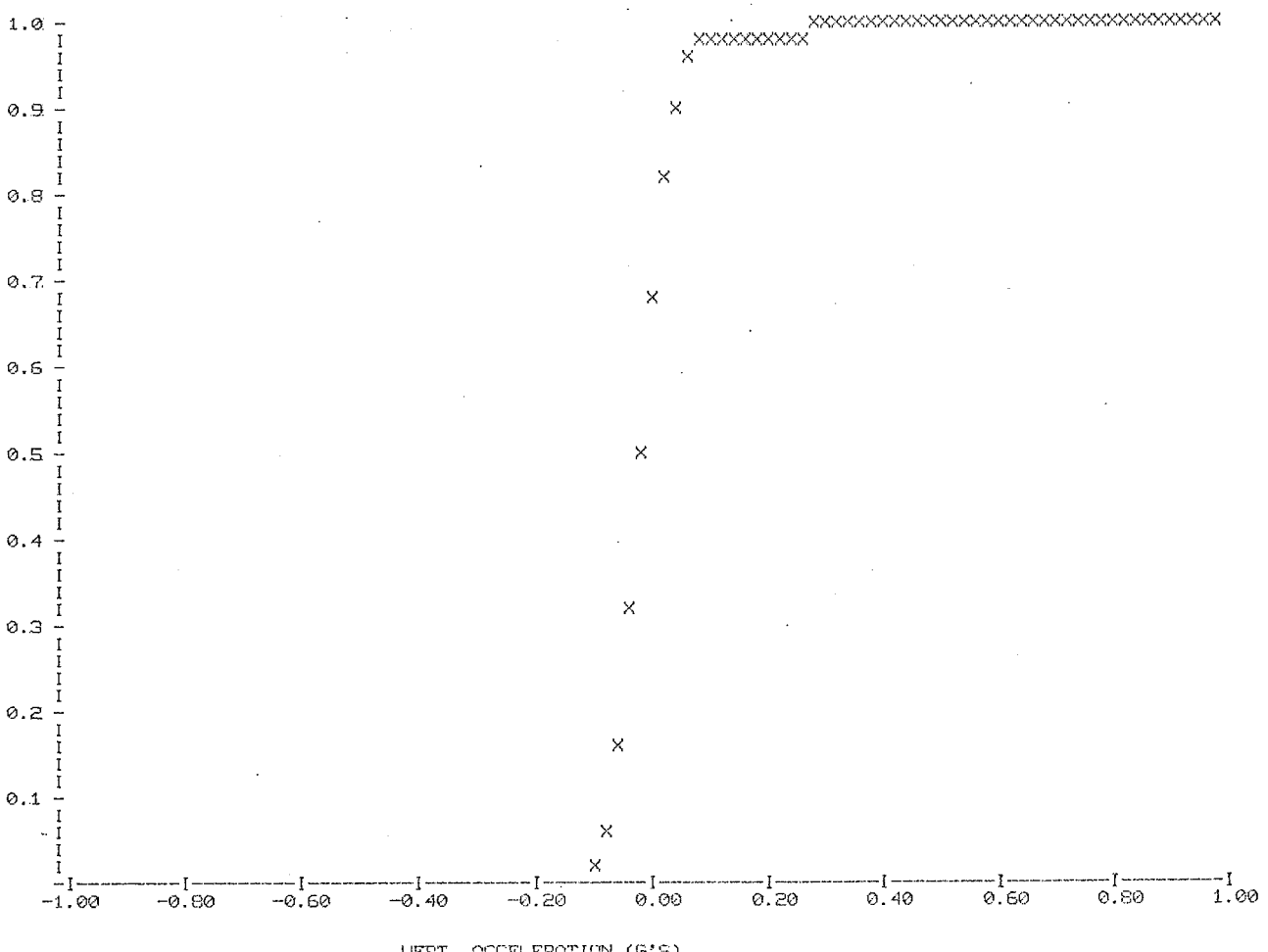
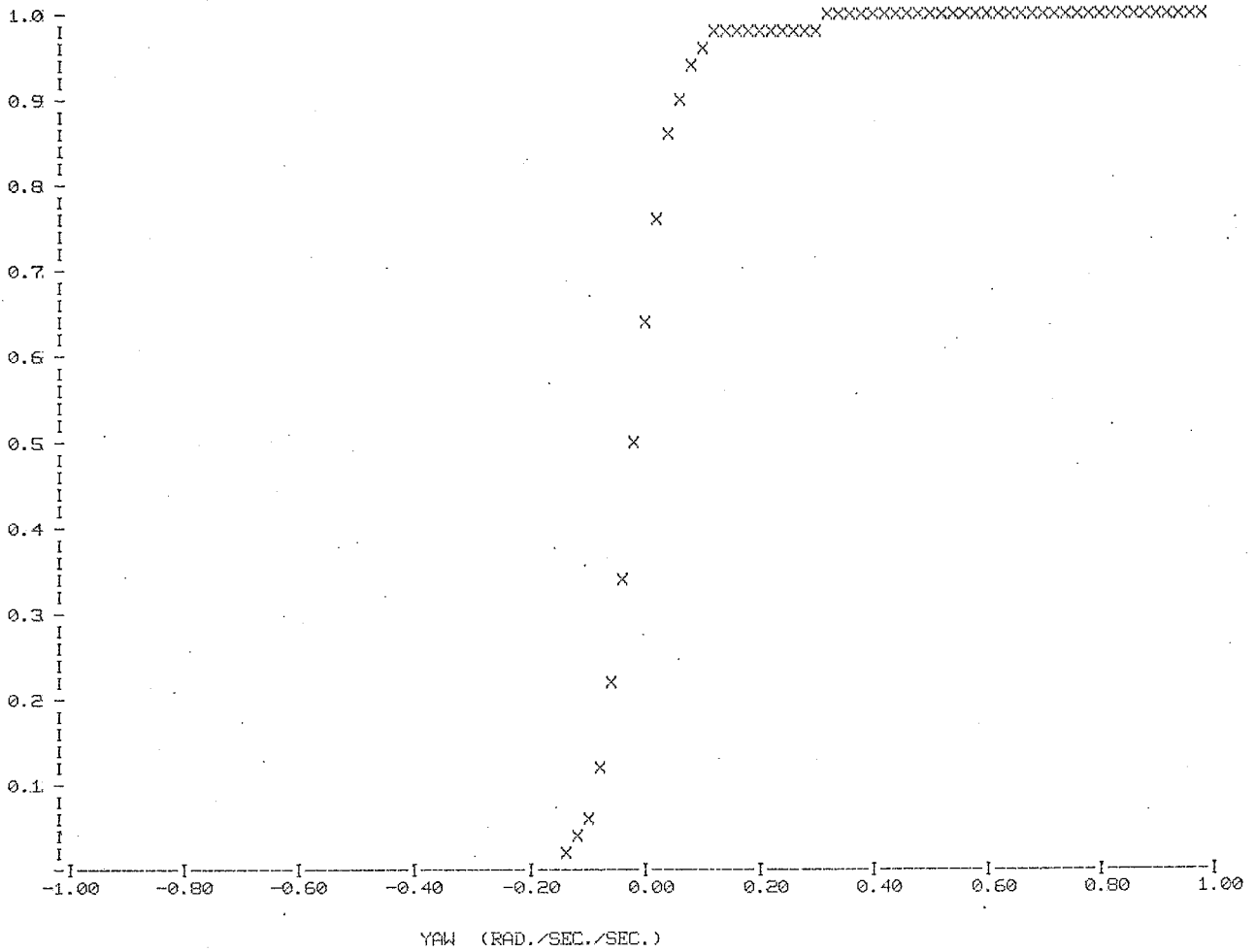
ABSCISSA 1 Rad/Sec/Sec.	ROLL	ABSCISSA 2 Rad/Sec/Sec (& G's)	PITCH	YAW	VERT (G's)	LONG. (G's)	LAT. (G's)
0.00	0.46857	0.00	0.51776	0.58765	0.60626	0.67896	0.67877
0.05	0.48659	0.01	0.52148	0.55698	0.69476	0.73626	0.78668
0.10	0.50610	0.02	0.52570	0.72076	0.77411	0.82226	0.85956
0.15	0.52515	0.03	0.52863	0.77625	0.83362	0.93475	0.90765
0.20	0.54346	0.04	0.53174	0.72422	0.88031	0.96405	0.94397
0.25	0.56177	0.05	0.53497	0.65151	0.91760	0.98224	0.96759
0.30	0.58002	0.06	0.53931	0.68971	0.94415	0.99127	0.98132
0.35	0.59930	0.07	0.54187	0.91431	0.96185	0.99512	0.98987
0.40	0.62079	0.08	0.54510	0.93402	0.97284	0.99677	0.99414
0.45	0.63959	0.09	0.54791	0.94855	0.98102	0.99835	0.99701
0.50	0.65717	0.10	0.55200	0.96075	0.98560	0.99884	0.99841
0.55	0.67413	0.11	0.55597	0.97028	0.99011	0.99939	0.99927
0.60	0.69043	0.12	0.55981	0.97693	0.99274	0.99957	0.99963
0.65	0.70697	0.13	0.56342	0.98187	0.99463	0.99963	0.99988
0.70	0.72290	0.14	0.56696	0.98633	0.99567	0.99976	1.00000
0.75	0.73901	0.15	0.56982	0.98944	0.99670	0.99982	1.00000
0.80	0.75458	0.16	0.57330	0.99164	0.99731	0.99988	1.00000
0.85	0.77246	0.17	0.57617	0.99420	0.99817	1.00000	1.00000
0.90	0.78754	0.18	0.58051	0.99573	0.99847	1.00000	1.00000
0.95	0.80084	0.19	0.58453	0.99670	0.99908	1.00000	1.00000
1.00	0.81616	0.20	0.58844	0.99750	0.99951	1.00000	1.00000
1.05	0.82916	0.21	0.59167	0.99829	0.99969	1.00000	1.00000
1.10	0.84253	0.22	0.59621	0.99884	0.99976	1.00000	1.00000
1.15	0.85504	0.23	0.59918	0.99908	0.99976	1.00000	1.00000
1.20	0.86548	0.24	0.60284	0.99933	0.99976	1.00000	1.00000
1.25	0.87524	0.25	0.60681	0.99939	0.99982	1.00000	1.00000
1.30	0.88354	0.26	0.61041	0.99969	0.99988	1.00000	1.00000
1.35	0.89368	0.27	0.61407	0.99969	0.99994	1.00000	1.00000
1.40	0.90265	0.28	0.61755	0.99982	1.00000	1.00000	1.00000
1.45	0.91113	0.29	0.62146	0.99988	1.00000	1.00000	1.00000
1.50	0.91858	0.30	0.62494	0.99994	1.00000	1.00000	1.00000
1.55	0.92535	0.31	0.62805	0.99994	1.00000	1.00000	1.00000
1.60	0.93170	0.32	0.63141	1.00000	1.00000	1.00000	1.00000
1.65	0.93781	0.33	0.63403	1.00000	1.00000	1.00000	1.00000
1.70	0.94403	0.34	0.63751	1.00000	1.00000	1.00000	1.00000
1.75	0.95007	0.35	0.64081	1.00000	1.00000	1.00000	1.00000
1.80	0.95520	0.36	0.64368	1.00000	1.00000	1.00000	1.00000
1.85	0.95923	0.37	0.64642	1.00000	1.00000	1.00000	1.00000
1.90	0.96350	0.38	0.65021	1.00000	1.00000	1.00000	1.00000
1.95	0.96710	0.39	0.65387	1.00000	1.00000	1.00000	1.00000
2.00	0.96985	0.40	0.65729	1.00000	1.00000	1.00000	1.00000
2.05	0.97339	0.41	0.65991	1.00000	1.00000	1.00000	1.00000
2.10	0.97644	0.42	0.66339	1.00000	1.00000	1.00000	1.00000
2.15	0.97906	0.43	0.66650	1.00000	1.00000	1.00000	1.00000
2.20	0.98114	0.44	0.66943	1.00000	1.00000	1.00000	1.00000
2.25	0.98279	0.45	0.67242	1.00000	1.00000	1.00000	1.00000
2.30	0.98490	0.46	0.67566	1.00000	1.00000	1.00000	1.00000
2.35	0.98602	0.47	0.67889	1.00000	1.00000	1.00000	1.00000
2.40	0.98698	0.48	0.68195	1.00000	1.00000	1.00000	1.00000
2.45	0.98804	0.49	0.68530	1.00000	1.00000	1.00000	1.00000
2.50	0.98901	0.50	0.68921	1.00000	1.00000	1.00000	1.00000
2.55	0.99011	0.51	0.69202	1.00000	1.00000	1.00000	1.00000
2.60	0.99097	0.52	0.69440	1.00000	1.00000	1.00000	1.00000
2.65	0.99158	0.53	0.69751	1.00000	1.00000	1.00000	1.00000
2.70	0.99255	0.54	0.70050	1.00000	1.00000	1.00000	1.00000
2.75	0.99335	0.55	0.70410	1.00000	1.00000	1.00000	1.00000
2.80	0.99390	0.56	0.70654	1.00000	1.00000	1.00000	1.00000
2.85	0.99432	0.57	0.70978	1.00000	1.00000	1.00000	1.00000
2.90	0.99487	0.58	0.71216	1.00000	1.00000	1.00000	1.00000
2.95	0.99542	0.59	0.71466	1.00000	1.00000	1.00000	1.00000
3.00	0.99554	0.60	0.71710	1.00000	1.00000	1.00000	1.00000
3.05	0.99597	0.61	0.71948	1.00000	1.00000	1.00000	1.00000
3.10	0.99622	0.62	0.72186	1.00000	1.00000	1.00000	1.00000
3.15	0.99652	0.63	0.72455	1.00000	1.00000	1.00000	1.00000
3.20	0.99677	0.64	0.72656	1.00000	1.00000	1.00000	1.00000
3.25	0.99689	0.65	0.72906	1.00000	1.00000	1.00000	1.00000
3.30	0.99713	0.66	0.73157	1.00000	1.00000	1.00000	1.00000
3.35	0.99755	0.67	0.73419	1.00000	1.00000	1.00000	1.00000
3.40	0.99774	0.68	0.73700	1.00000	1.00000	1.00000	1.00000
3.45	0.99786	0.69	0.73981	1.00000	1.00000	1.00000	1.00000
3.50	0.99792	0.70	0.74231	1.00000	1.00000	1.00000	1.00000
3.55	0.99811	0.71	0.74451	1.00000	1.00000	1.00000	1.00000
3.60	0.99829	0.72	0.74707	1.00000	1.00000	1.00000	1.00000
3.65	0.99841	0.73	0.74982	1.00000	1.00000	1.00000	1.00000
3.70	0.99860	0.74	0.75238	1.00000	1.00000	1.00000	1.00000
3.75	0.99878	0.75	0.75488	1.00000	1.00000	1.00000	1.00000
3.80	0.99884	0.76	0.75739	1.00000	1.00000	1.00000	1.00000
3.85	0.99884	0.77	0.75958	1.00000	1.00000	1.00000	1.00000
3.90	0.99890	0.78	0.76202	1.00000	1.00000	1.00000	1.00000
3.95	0.99890	0.79	0.76465	1.00000	1.00000	1.00000	1.00000
4.00	0.99890	0.80	0.76697	1.00000	1.00000	1.00000	1.00000
4.05	0.99902	0.81	0.76917	1.00000	1.00000	1.00000	1.00000
4.10	0.99927	0.82	0.77124	1.00000	1.00000	1.00000	1.00000
4.15	0.99927	0.83	0.77338	1.00000	1.00000	1.00000	1.00000
4.20	0.99945	0.84	0.77606	1.00000	1.00000	1.00000	1.00000
4.25	0.99957	0.85	0.77920	1.00000	1.00000	1.00000	1.00000
4.30	0.99957	0.86	0.78033	1.00000	1.00000	1.00000	1.00000
4.35	0.99957	0.87	0.78229	1.00000	1.00000	1.00000	1.00000
4.40	0.99957	0.88	0.78448	1.00000	1.00000	1.00000	1.00000
4.45	0.99959	0.89	0.78668	1.00000	1.00000	1.00000	1.00000
4.50	0.99976	0.90	0.78906	1.00000	1.00000	1.00000	1.00000
4.55	0.99976	0.91	0.79108	1.00000	1.00000	1.00000	1.00000
4.60	0.99976	0.92	0.79327	1.00000	1.00000	1.00000	1.00000
4.65	0.99976	0.93	0.79565	1.00000	1.00000	1.00000	1.00000
4.70	0.99982	0.94	0.79779	1.00000	1.00000	1.00000	1.00000
4.75	0.99982	0.95	0.80054	1.00000	1.00000	1.00000	1.00000
4.80	0.99982	0.96	0.80432	1.00000	1.00000	1.00000	1.00000
4.85	0.99982	0.97	0.81116	1.00000	1.00000	1.00000	1.00000
4.90	0.99982	0.98	0.82709	1.00000	1.00000	1.00000	1.00000
4.95	1.00000	0.99	1.00000	1.00000	1.00000	1.00000	1.00000

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271

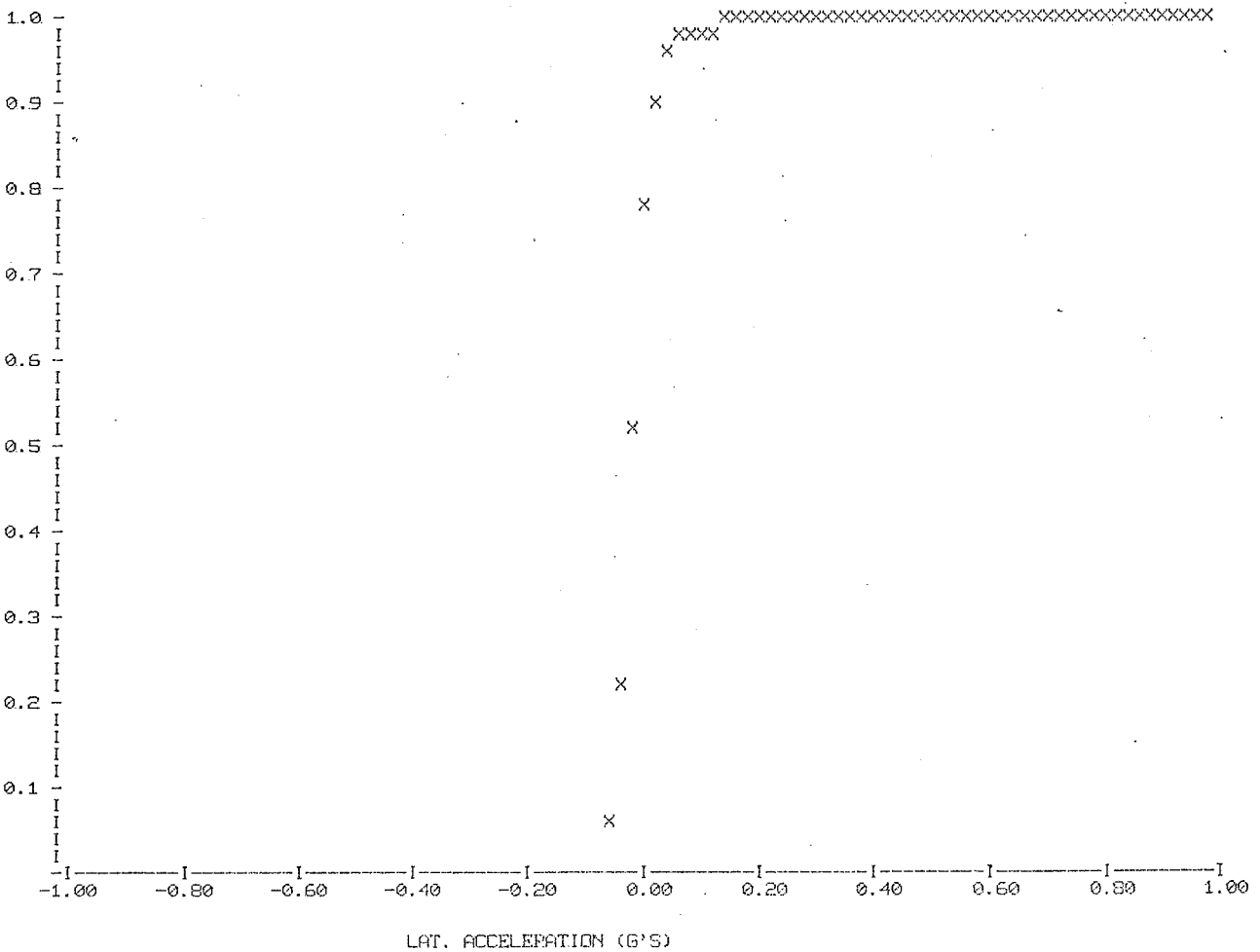
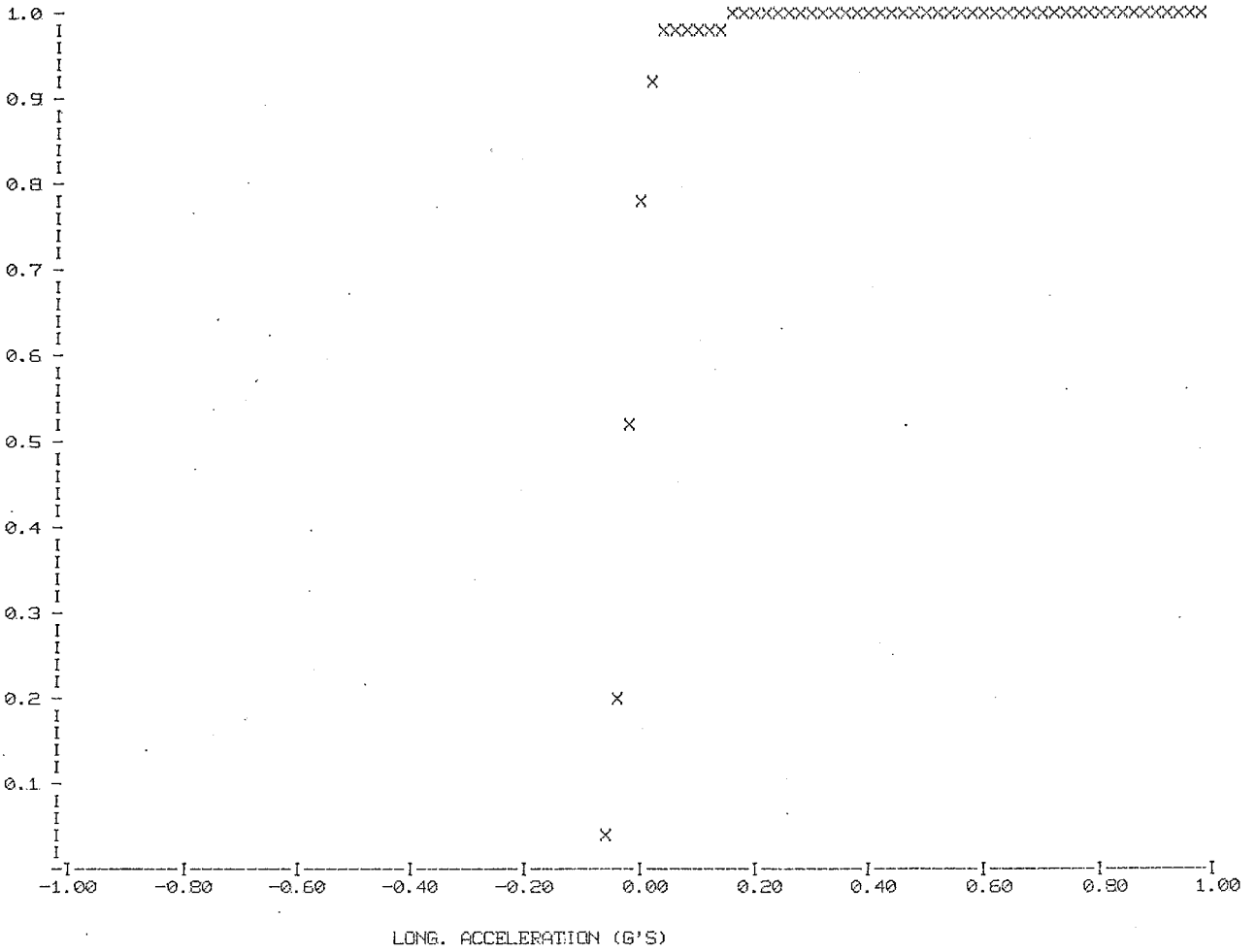




Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271

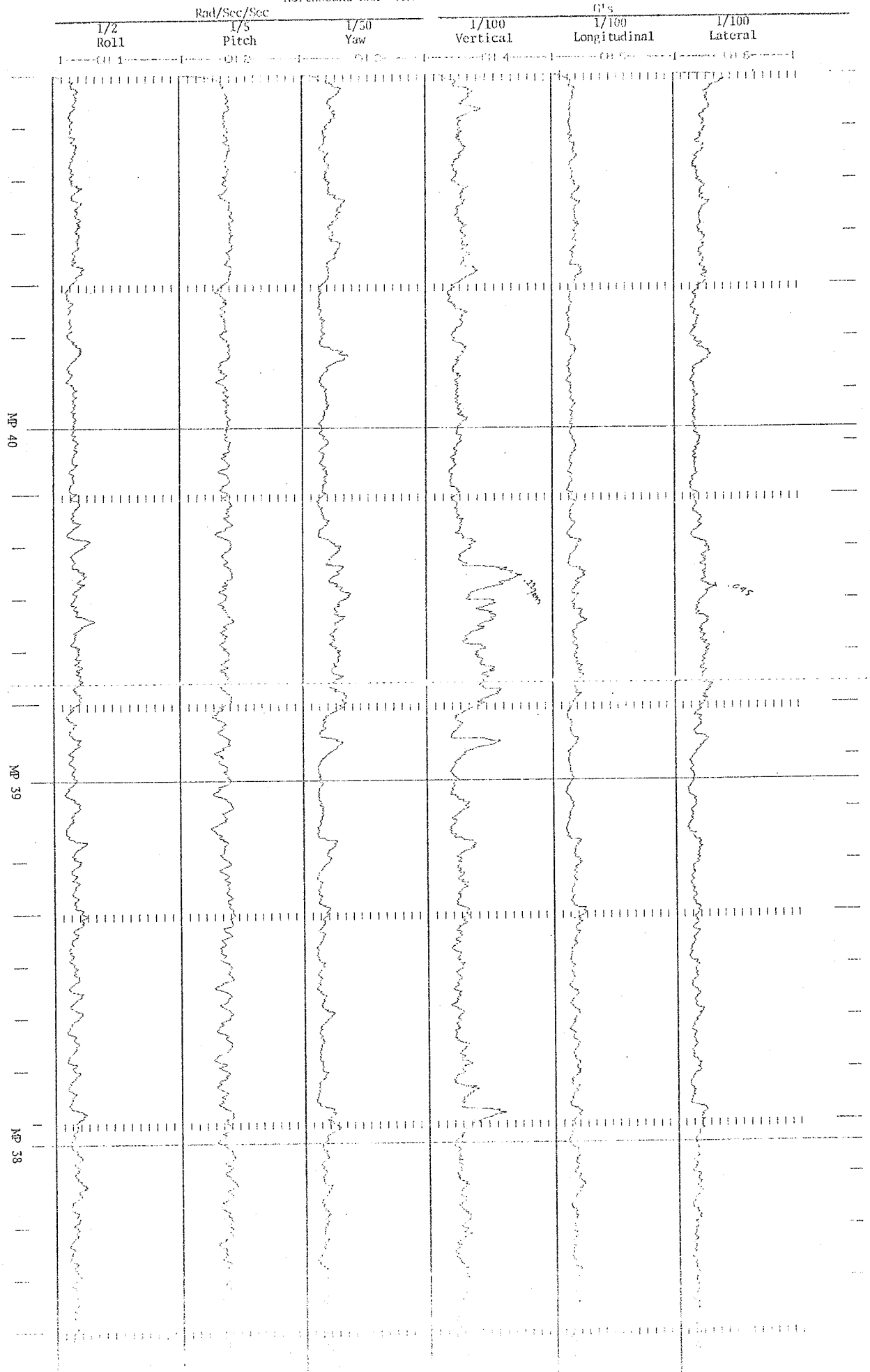


Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271



RMS ACCELERATION

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3144-3271



ISO Bands - RMS ACCELERATION IN G S

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL	
1.0 HZ	LB	0.00101	0.00209	0.00000	10.0 HZ	LB	0.00313	0.00322	0.00538
	EV	0.00202	0.00444	0.00585		EV	0.00490	0.00609	0.00815
	UB	0.00266	0.00592	0.00845		UB	0.00619	0.00799	0.01020
1.3 HZ	LB	0.00104	0.00000	0.00223	12.5 HZ	LB	0.00483	0.00588	0.00699
	EV	0.00208	0.00544	0.00560		EV	0.00723	0.00785	0.00986
	UB	0.00276	0.00807	0.00760		UB	0.00902	0.00942	0.01207
1.6 HZ	LB	0.00145	0.00000	0.00604	16.0 HZ	LB	0.00996	0.00654	0.01140
	EV	0.00212	0.00627	0.00949		EV	0.01265	0.00841	0.01430
	UB	0.00262	0.00959	0.01199		UB	0.01486	0.00967	0.01571
2.0 HZ	LB	0.00141	0.00235	0.00452	20.0 HZ	LB	0.00486	0.00400	0.00480
	EV	0.00213	0.00651	0.00989		EV	0.00591	0.00496	0.00597
	UB	0.00267	0.00889	0.01323		UB	0.00680	0.00576	0.00694
2.5 HZ	LB	0.00145	0.00319	0.00018	25.0 HZ	LB	0.00358	0.00356	0.00347
	EV	0.00226	0.00592	0.00896		EV	0.00476	0.00471	0.00491
	UB	0.00285	0.00773	0.01267		UB	0.00570	0.00563	0.00601
3.1 HZ	LB	0.00172	0.00152	0.00428	31.5 HZ	LB	0.00444	0.00566	0.00682
	EV	0.00256	0.00478	0.00833		EV	0.00497	0.00659	0.00798
	UB	0.00318	0.00659	0.01098		UB	0.00545	0.00741	0.00898
4.0 HZ	LB	0.00150	0.00196	0.00530	40.0 HZ	LB	0.00360	0.00371	0.00697
	EV	0.00286	0.00421	0.00798		EV	0.00436	0.00436	0.00921
	UB	0.00376	0.00563	0.00997		UB	0.00500	0.00493	0.01100
5.0 HZ	LB	0.00250	0.00232	0.00000	50.0 HZ	LB	0.00391	0.00400	0.00499
	EV	0.00398	0.00603	0.02129		EV	0.00438	0.00448	0.00564
	UB	0.00505	0.00821	0.03195		UB	0.00480	0.00492	0.00623
6.3 HZ	LB	0.00288	0.00239	0.00542	63.0 HZ	LB	0.00402	0.00420	0.00591
	EV	0.00517	0.00586	0.01736		EV	0.00452	0.00461	0.00653
	UB	0.00673	0.00793	0.02394		UB	0.00497	0.00499	0.00709
8.0 HZ	LB	0.00860	0.00000	0.00564	80.0 HZ	LB	0.00366	0.00358	0.00414
	EV	0.01254	0.00862	0.00770		EV	0.00395	0.00392	0.00463
	UB	0.01550	0.01235	0.00932		UB	0.00430	0.00423	0.00507

ISO Bands- RMS ACCELERATION IN M/S<sup>2</sup>

CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL	CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL	
1.0 HZ	LB	0.00992	0.02052	0.00000	10.0 HZ	LB	0.03073	0.03161	0.05275
	EV	0.01976	0.04353	0.05733		EV	0.04809	0.05976	0.07996
	UB	0.02613	0.05804	0.08288		UB	0.06066	0.07839	0.10003
1.3 HZ	LB	0.01017	0.00000	0.02191	12.5 HZ	LB	0.04736	0.05768	0.06853
	EV	0.02042	0.05339	0.05496		EV	0.07095	0.07699	0.09670
	UB	0.02703	0.07913	0.07457		UB	0.08845	0.09234	0.11835
1.6 HZ	LB	0.01423	0.00000	0.05923	16.0 HZ	LB	0.09764	0.06801	0.11176
	EV	0.02076	0.06149	0.09307		EV	0.12404	0.08251	0.14024
	UB	0.02568	0.09401	0.11754		UB	0.14573	0.09481	0.16384
2.0 HZ	LB	0.01378	0.02309	0.04432	20.0 HZ	LB	0.04769	0.03925	0.04709
	EV	0.02093	0.06379	0.09697		EV	0.05799	0.04861	0.05853
	UB	0.02619	0.08721	0.12977		UB	0.06673	0.05644	0.06808
2.5 HZ	LB	0.01420	0.03124	0.00176	25.0 HZ	LB	0.03508	0.03490	0.03401
	EV	0.02219	0.05800	0.08787		EV	0.04669	0.04616	0.04811
	UB	0.02799	0.07585	0.12426		UB	0.05594	0.05517	0.05893
3.1 HZ	LB	0.01691	0.01488	0.04193	31.5 HZ	LB	0.04354	0.05548	0.06692
	EV	0.02507	0.04687	0.08168		EV	0.04876	0.06463	0.07822
	UB	0.03116	0.06459	0.10764		UB	0.05347	0.07263	0.08809
4.0 HZ	LB	0.01476	0.01924	0.05194	40.0 HZ	LB	0.03533	0.03638	0.06898
	EV	0.02809	0.04133	0.07829		EV	0.04274	0.04276	0.09029
	UB	0.03689	0.05519	0.09779		UB	0.04905	0.04831	0.10785
5.0 HZ	LB	0.02448	0.02270	0.00000	50.0 HZ	LB	0.03836	0.03923	0.04889
	EV	0.03905	0.05916	0.20873		EV	0.04296	0.04396	0.05536
	UB	0.04950	0.08053	0.31331		UB	0.04711	0.04822	0.06113
6.3 HZ	LB	0.02827	0.02341	0.05318	63.0 HZ	LB	0.03940	0.04122	0.05791
	EV	0.05074	0.05745	0.17020		EV	0.04432	0.04526	0.06401
	UB	0.06595	0.07780	0.23476		UB	0.04874	0.04896	0.06957
8.0 HZ	LB	0.08436	0.00000	0.05527	80.0 HZ	LB	0.03492	0.03514	0.04060
	EV	0.12294	0.08450	0.07852		EV	0.03871	0.03842	0.04541
	UB	0.15203	0.12109	0.09139		UB	0.04215	0.04145	0.04975



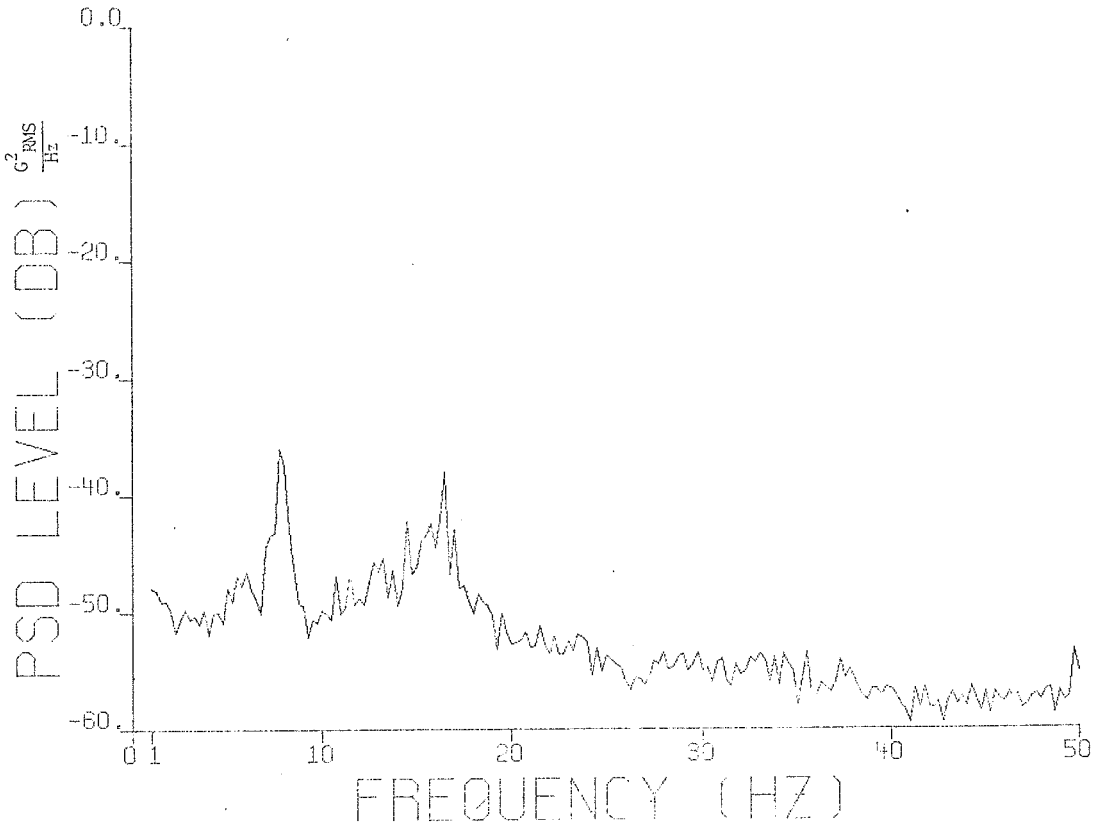
REDUCED COMFORT											
CENTER FREQ		LONGITUDINAL	LATERAL	VERTICAL		CENTER FREQ	LONGITUDINAL	LATERAL	VERTICAL		
1.0 HZ	LB	24.00000	24.00000	24.00000		10.0 HZ	LB	24.00000	24.00000	20.220311	
	EV	24.00000	15.43969	24.00000			EV	24.00000	24.00000	12.24928	
	UB	24.00000	10.44114	20.42932			UB	24.00000	24.00000	9.31013	
1.3 HZ	LB	24.00000	24.00000	24.00000		12.5 HZ	LB	24.00000	24.00000	19.47280	
	EV	24.00000	11.70339	24.00000			EV	24.00000	24.00000	12.86214	
	UB	24.00000	6.79587	20.19999			UB	24.00000	24.00000	10.050011	
1.6 HZ	LB	24.00000	24.00000	23.17200		16.0 HZ	LB	24.00000	24.00000	14.26546	
	EV	24.00000	9.64442	13.47403			EV	24.00000	24.00000	10.82497	
	UB	24.00000	5.32576	10.13656			UB	24.00000	24.00000	8.93666	
2.0 HZ	LB	24.00000	24.00000	24.00000		20.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	9.16973	11.14171			EV	24.00000	24.00000	24.00000	
	UB	24.00000	5.92635	7.77387			UB	24.00000	24.00000	24.00000	
2.5 HZ	LB	24.00000	24.00000	24.00000		25.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	14.29773	10.91747			EV	24.00000	24.00000	24.00000	
	UB	24.00000	9.91903	7.10567			UB	24.00000	24.00000	24.00000	
3.1 HZ	LB	24.00000	24.00000	23.17687		31.5 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	24.00000	10.36900			EV	24.00000	24.00000	24.00000	
	UB	24.00000	16.87387	7.36434			UB	24.00000	24.00000	24.00000	
4.0 HZ	LB	24.00000	24.00000	15.62866		40.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	24.00000	9.48100			EV	24.00000	24.00000	24.00000	
	UB	24.00000	24.00000	7.18926			UB	24.00000	24.00000	24.00000	
5.0 HZ	LB	24.00000	24.00000	24.00000		50.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	24.00000	2.63227			EV	24.00000	24.00000	24.00000	
	UB	24.00000	23.28468	1.41789			UB	24.00000	24.00000	24.00000	
6.3 HZ	LB	24.00000	24.00000	15.20595		63.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	24.00000	3.49569			EV	24.00000	24.00000	24.00000	
	UB	24.00000	24.00000	2.22042			UB	24.00000	24.00000	24.00000	
8.0 HZ	LB	24.00000	24.00000	14.49924		80.0 HZ	LB	24.00000	24.00000	24.00000	
	EV	24.00000	24.00000	9.91161			EV	24.00000	24.00000	24.00000	
	UB	18.41824	24.00000	7.82523			UB	24.00000	24.00000	24.00000	

REDUCED COMFORT :			
	LONGITUDINAL	LATERAL	VERTICAL
EXPOSURE TIME (HRS):	24.00000	9.16973	2.63227
Center Freq (Hz):	1 Hz	2 Hz	5 Hz

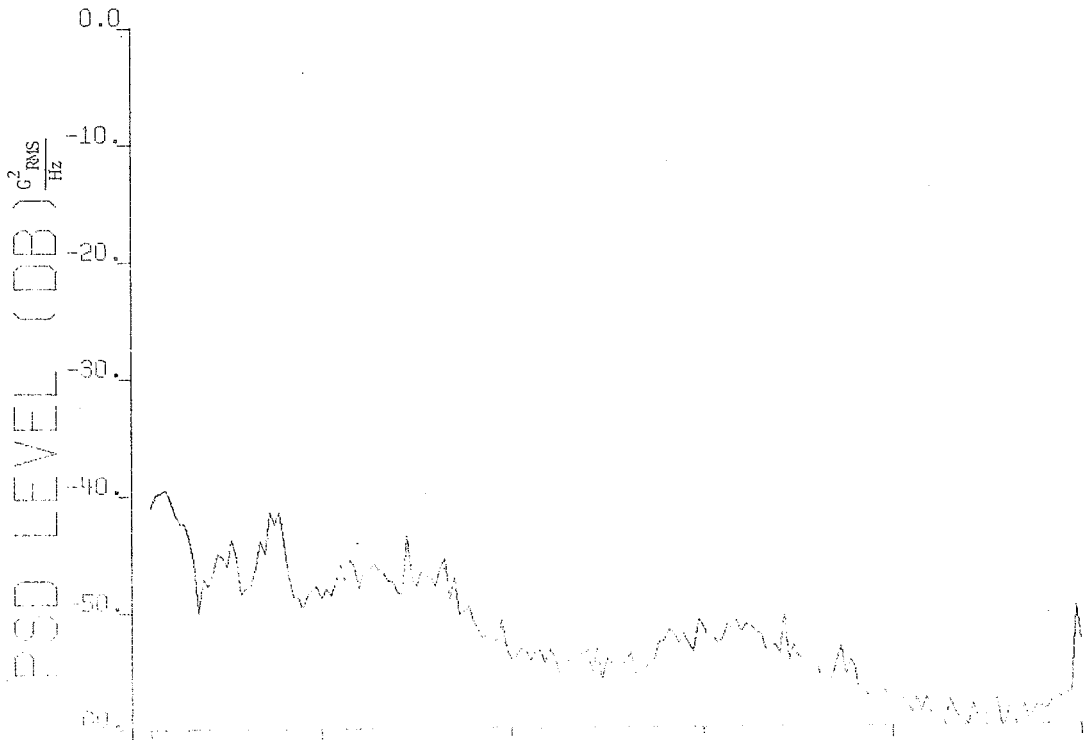
ACCELERATION

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3143-3270

# LONGITUDINAL



# LATERAL



ACCELERATION

Metroliner Truck Test, RG-125.1, 6 May 75, 256 Hz  
Northbound Run TTA 024 Car 855 RECS: 3143-3270

VERTICAL

