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TR-82-MSFC-34431-048

FINAL REPORT

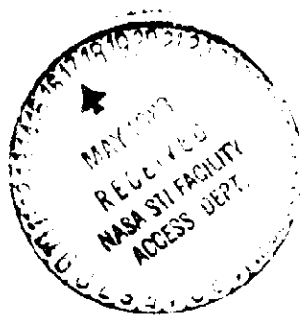
ASCENT TRAJECTORY DISPERSION ANALYSIS

CONTRACT NO. NAS8-34431

DECEMBER 1982

PREPARED FOR:

GEORGE C. MARSHALL SPACE FLIGHT CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MARSHALL SPACE FLIGHT CENTER, ALABAMA



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LIST OF ABBREVIATIONS

AHI	aerodynamic heating indicator
AOA	abort-once-around
ET	external tank
ETR	Eastern Test Range
FPL	full power level
GN&C	guidance, navigation, and control
IMU	inertial measurement unit
MECO	main engine cutoff
MPL	minimum power level
MPS	main propulsion system
MR	mixture ratio
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
OMS	orbit maneuver system
RCS	Reaction Control System
RPL	rated power level
RSS	root-sum square
RTSL	return-to-launch-site
6-DOF	six-degree-of-freedom
SOFI	spray-on foam insulation
SRB	solid rocket booster
SRM	solid rocket motor
SSME	Space Shuttle main engine
WTR	Western Test Range

Units of Measure

deg	degrees
°F	degrees Farenheit
fps	feet per second
ft	feet
ft/s	feet per second
g's	acceleration per sea level gravity
in	inches
in^2	inches squared
kft	kilofeet
lbs	pounds
lbs/ft	pounds per feet
lbs/s	pounds per second
min	minutes
ms	milliseconds
nm	nautical miles
%/s	percent per second
psf	pounds per square feet
psi	pounds per square inch
s	seconds

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1. INTRODUCTION

This final report documents the results of a Space Transportation System ascent trajectory dispersion analysis performed by Dynetics, Inc. under contract to the Marshall Space Flight Center (MSFC) of the National Aeronautics and Space Administration (NASA). The purpose of this dispersion analysis is to provide critical trajectory parameter values useful for the definition of "lightweight" external tank insulation requirements. The "lightweight" external tank is a developmental subsystem of the Space Shuttle.

This analysis has been conducted using two of the critical missions specified for the Space Transportation System. The first mission, referred to as Mission 1, is a 28.5° inclination trajectory launched from the Eastern Test Range (ETR). For purposes of selecting a critical heating mission, a winter launch has been assumed. The second mission, Mission 3A, is a Western Test Range (WTR) trajectory launched into a 104° orbital inclination. A winter launch has also been selected for severity of the heating environment and for comparison with the Mission 1 trajectory. Using these two missions, separate analyses have been performed which have consisted of the following steps:

1. Nominal trajectories have been simulated under the conditions as specified by baseline reference mission guidelines.

2. Dispersion trajectories were simulated using predetermined parametric variations which spanned the $\pm 3\sigma$ dispersion limits. Dispersion parameters were selected to represent error sources stemming from propulsion uncertainties, aerodynamic/environmental errors, mass property inaccuracies, and guidance, navigation and control (GN&C) errors.

3. Since the dispersion parameters are assumed to be independent variations, the requirements for a $+3\sigma$ aerodynamic heating trajectory have been determined by the root-sum square (RSS) of the positive deviations of the aerodynamic heating indicator time histories between the dispersion trajectories and the nominal trajectory. A $+3\sigma$ trajectory has been used to represent the worst heating case.

4. Using the aerodynamic heating indicator parameters as a guide, composite trajectories were simulated using combinations of dispersion parameters which represented primary contributors.

5. Eight directional wind histories were then applied separately to the composite trajectories resulting in unique trajectories for each wind case.

Trajectory parameters associated with the eight wind cases, the composite trajectories, and the RSS analysis were delivered as computer files to the Government. Files associated with Missions 1 and 3A are resident on the MSFC Univac computer system.

The following report provides a summary of the analysis and is subdivided in the same manner as the analysis steps. Section 2 describes the nominal trajectory requirements for Missions 1 and 3A. These requirements are primarily based on inputs provided by Rockwell International and MSFC. Section 3 summarizes the parameters used in the dispersion analysis and discusses the RSS analysis. Section 4 discusses the formulation of the composite trajectories and wind related trajectories. Several appendices are provided which present tabulated results from the various analyses, a description of the RSS analysis computer model, and a discussion of interpretations applicable to the computer output files mentioned above.

2. MISSION 1 AND MISSION 3A NOMINAL TRAJECTORY REQUIREMENTS

Presented in Appendices A and B are the input requirements for the baseline nominal trajectory simulation of Mission 1 and Mission 3A, respectively. This input was used in the MSFC resident six-degree-of-freedom (6-DOF) STAR 6D computer simulation. In order to simulate the maximum heating trajectory, the abort-once-around (AOA) mode of operation was chosen. This mode requires that an engine out be simulated at the AOA/return-to-launch-site (RTLS) mode boundary and retargeted to the AOA terminal main engine cutoff (MECO) condition. Because of the need to establish maximum heating requirements, the trajectory to nominal MECO conditions was not simulated.

Verification of the baseline trajectories was performed by detailed comparison of trajectory parameters to similar trajectories developed by Rockwell International.

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3. DISPERSION PARAMETERS

Tables 3-1 through 3-4 provide a summary of the parameters that were used in the dispersion analysis. The primary assumption of the dispersion analysis represented these dispersions as independent variations and dispersion simulations were determined by the individual biasing of these parameters. Approximately 60 individual trajectories were simulated for each mission and data from these simulations were stored on computer files.

Appendices F and G provide summary information regarding the aerodynamic heating indicator (AHI), angle of attack (α), and sideslip angle (β) for all dispersion cases. The data in these appendices are presented as increments between the value obtained and the nominal value (shown as the second column of these tables). The notation at the right upper corner of each table gives the name of the parameter and the sign of the dispersion value increment used in generation of the trajectory. For example, a "BETA NEG" would indicate the parameter is sideslip angle and the negative sign (-3σ) was used in generation of the dispersions. The table identification numbers shown in Tables 3-1 through 3-4 correspond to the table headings of the tables in Appendices F and G.

Table 3-1. Propulsion Perturbations

Parameter	±3σ Value	Table Identification No.*	Comments/ Assumptions
SRM Webb Action Time (WAT)	3.99%	1	Constant specific impulse
SRM Terminal Thrust Mismatch	-	2	See Appendix C
SRM Specific Impulse	0.5%	3	Constant flowrate
SRM Steady-State Thrust Mismatch	84,000 lbf	4	Constant flowrate
SRM Specific Impulse Mismatch	1.0%	5	Constant flowrate, one SRM low by ΔIsp/2, other SRM high by ΔIsp/2
SRM Thrust Vector Control	0.5254° left, right (tilt, rock) per motor	6 (pitch) 7 (yaw)	See Appendix C
SSME Vacuum Thrust	± 6000 lbf $\sqrt{\text{no. of engines}}$	8	Constant specific impulse
SSME Vacuum Specific Impulse	$2.3 \text{ s} \times \frac{\sqrt{\text{no. of engines}}}{\text{no. of engines}}$	9	Constant thrust
SSME Thrust Vector Misalignment	1.066° (pitch) 0.618° (yaw)	10 (pitch) 11 (yaw)	See Appendix C

*See Appendices F and G

Table 3-2. Aero/Environment Perturbations

Parameter	±3σ Value	Table Identification No.*	Comments/ Assumptions
Aero Coefficients Forces and Meoments (all axes)	Tolerances	1 Axial force 2 Normal force 3 Pitch moment 4 Side force 5 Yaw moment 6 Roll moment 7 Base force	Included in MSFC resident aerodynamic data base
Atmosphere	Hot, cold	8 (+) Hot (-) Cold	Values are typical extremes, not necessarily 3σ

*See Appendices F and G

Table 3-3. Mass Property Perturbations

Parameter	±3σ Value	Table Identification No.*	Comments/ Assumptions
External Tank (ET) Propellant Weight	LOX = 0.54% LH_2 = 0.69% (7514 lbs)	1	Based on total ET loaded propellant with LOX = 6 LH_2 (fuel bias corrected). Percentage errors are root-sum-squared (RSS) to obtain total perturbation.
SRM Propellant Weight	0.21% (4650 lbs)	2	Based on total propellant loaded (two motors) of 2,214,254 lbs
SRM Inert Weight	--	3	Not used (does not appreciably affect aero heating)
2nd Stage Inert Weight	--	4	Not used (does not appreciably affect aero heating)
Integrated Vehicle Center of Gravity Location	Variable, function of stage weight	5 (1st stage longitudinal) 6 (1st stage lateral) 7 (1st stage normal) 8 (2nd stage longitudinal) 9 (2nd stage normal)	See Appendix C

*See Appendices F and G

Table 3-4. GN&C Perturbations

Parameter	±3σ Value	Table Identification No.*	Comments/ Assumptions
Accelerometer Errors (normal, lateral)	Accuracy: Z = 0.034 g's (normal) Y = 0.018 g's (lateral) Alignment: Z = 0.288° (normal) Y = 0.442° (lateral)	1 (normal) 2 (lateral)	Applies to the "load relief" portion of 1st stage flight (see Appendix C)
Rate Gyro Assembly (RGA) Error	Drift: Z = Y = 0.157°/s Alignment: Z = Y = 0.744°	3 (normal) 4 (lateral)	See Appendix C
IMU Platform Error	X = Y = Z = 0.5°	5 (pitch) 6 (yaw) 7 (roll)	Applied as a bias to the reference (θ,ψ versus V_{REL}) table; roll error is neglected
MECO Targeting Errors	Trajectory type dependent	8	See Appendix C

*See Appendices F and G

4. COMPOSITE AND WIND RELATED TRAJECTORIES

The establishment of a $+3\sigma$ composite aerodynamic heating trajectory was based on the combination of the nominal trajectory and the RSS assessment of the dispersion trajectories. The goal of the composite trajectory was to emulate an AHI time history which consisted of the summation of the nominal AHI history and the positive RSS AHI history. This combination reflected the worst case system dependent heating trajectory. The composite trajectory was simulated by combining mixtures of the dispersion parameters in such a manner to match the summed AHI history. This mixture of parameters reflected the dependent nature of the individual parameters. Table 4-1 identifies the combinations of parameters that were used to define the composite trajectories for the Mission 1 and Mission 3A cases. In this analysis, the matching scheme minimized the deviation of the AHI parameters along the entire trajectory (prime interest, however, was devoted to matching the trajectory through the AOA/RTLS mode boundary). Appendices H and I present, under the appropriate column, the deviation of AHI, angle of attack, and sideslip angle for the composite trajectories for Missions 1 and 3A, respectively. Also shown in these appendices are eight additional cases which correspond to trajectories comprised of the composite parameters plus eight different directional wind profiles (45° increments). These wind histories assume a 95% design wind profile based upon data supplied by Space Sciences Laboratory of MSFC. The combinations of the composites and the varying wind profiles provide a worst-on-worst case aerodynamic heating trajectory. Parameters shown in these eight cases again reflect the deviation between the wind trajectory parameters and the nominal values.

Trajectory parameters of the composite as well as the eight wind trajectories are also stored on the computer file in the same manner as the dispersion trajectories.

Table 4-1. Composite Parameters

Mission 1	Mission 3A
+3σ Pitch Accelerator	+3σ Pitch Accelerator
+3σ Pitch Rate Gyro	+3σ Pitch Rate Gyro
-1.5% SRB WAT	-2% SRB WAT
Hot Atmosphere	

APPENDIX A—MISSION 1 CRITERIA INPUT REQUIREMENTS

Mission

a. 65,000-lb payload

b. 28.5° orbit inclination

Trajectory

a. General

1. Psuedo-MECO altitude shaping

2. Last RTLS time equals earliest AOA time

b. Launch

1. Launch Pad

Latitude = 28.6084° North
Longitude = 279.39° East
Altitude = 95 ft

Altitude corresponds to booster station 1942 (11.36 in. below the base of the booster skirt).

2. Orbiter tail-south orientation.

3. Staggered start on main engines. 120-ms delay between starts; each Space Shuttle Main Engine (SSME) reaches 90% thrust at 3.7 s after its start signal.

4. Solid rocket booster (SRB) ignition command defines t_o and is issued 2.716 s after last SSME reaches 90% thrust. Solid rocket motor (SRM) thrust rise starts 0.011 s after ignition command

5. Vertical rise until vehicle has gained 365 ft of altitude

6. Single-axis-rotation (pitch, yaw, roll) maneuver after vertical rise

c. First stage

1. 1963 Patrick reference atmosphere

2. ETR February mean wind (winter) (see Figure A-1)

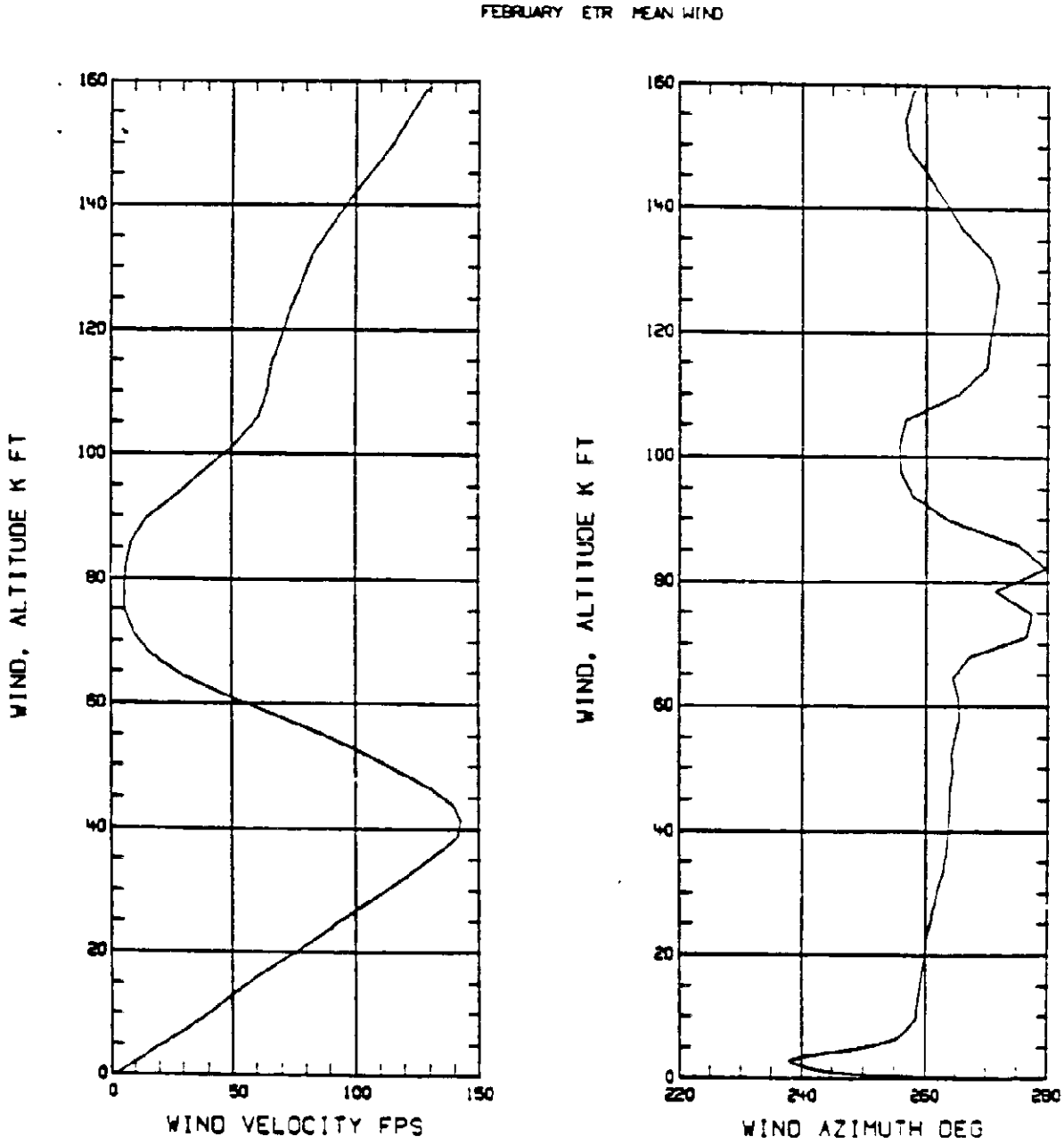

Figure A-1. Winter Mean Wind

3. Flight control 10

4. Maximum dynamic pressure 675 psf (winter) (maximum dispersion = 819 psf)

5. Main propulsion system (MPS) throttle schedule (for all three engines), single-step throttle

I-Load Entries		Reference Values	
V_{rel} (fps)	Command Throttle (%)	Time (s)	Actual Throttle (%)
0	100	0	100
52.625	109	3.5	100
		4.4	109
1160	84	50.241	109
		52.741	84
1367.4	109	59.27	84
		61.77	109

6. SSME throttle change rate $\pm$10%/s

7. Elevon Schedule 6A

Relative Velocity Winter (fps)	Inboard Elevon Deflection (deg)	Outboard Elevon Deflection (deg)	Mach No. (Ref)
0	10	9	0
1147.6	10	9	1.05
1328.2	10	2	1.25
1581.9	10	-5	1.55
1779.9	10	-5	1.80
2304.9	3.333	-5	2.40
2506.3	1.111	0	2.60
2612.9	0	0	2.70

8. 194 lb of spray-on foam insulation (SOFI) weight loss during first stage

Time (s)	SOFI Flow Rate (lb/s)
0	2.4
25.0	2.4
50.0	1.46
75.0	1.12
100.0	0.97
122.375	1.48015
122.38	0
150	0

d. Staging

1. SRB separation 6.0 s after P_c = 50 psi

2. Command SRB nozzle actuators to null 4.3 s after P_c = 50 psi

3. Attitude hold from SRB separation to 4.0 s after separation

4. Maximum dynamic pressure at separation shall not exceed 75 psf (with dispersions)

5. Begin SSME trim command after P_c = 380 psi (6-s ramp). Constant SRB trim command beyond V_{rel} corresponding to nominal P_c = 380 psi

e. Second stage

1. General

(a) Maximum acceleration = 3 g's by MPS throttling

(b) Alpha Limiter = 5° cone around 2°α prior to 150 s or 200,000 ft

2. Pseudo-MECO trajectory

   (a) Three MPS engines at throttle setting = 109% full power level (FPL)

   (b) SSME throttle to reach 65% minimum power level (MPL) 6 s before MECO at -10%/s rate

   (c) Pseudo-MECO target conditions

h (equatorial)	74.5 nm
γ (inertial)	0.65°
v (inertial)	25676 fps
Inclination	28.5°
*Ascending Node	189.9939°

   *Referenced to Greenwich at t = 0 s

3. Normal trajectory

   (a) MPS throttle setting = 109% (FPL)

   (b) Instantaneous pitch/yaw maneuver at abort mode boundary

   (c) SSME throttle to reach 65% (MPL) 6 s before MECO at -10%/s

   (d) MECO target conditions

h (equatorial)	57 nm
gamma (inertial)	0.65°
v (inertial)	25,680 fps
Inclination	28.5°
Ascending Node	189.61857°

4. AOA trajectory

   (a) MPS throttle setting = 109% (FPL)

   (b) Engine failure occurs on No. 3 SSME

   (c) Parallel SSME from engine failure time to t(MECO) - 60 s

   (d) Aft Reaction Control System (RCS) burned pre-MECO to 65% level

   (e) Orbit maneuver system (OMS) and RCS used to burn off excess OMS and RCS propellants with 4.5 s allowed for auto connect and disconnect of OMS propellant supply to RCS engines

(f) SSME is cutoff from existing power level (>65%)

(g) MECO target conditions

h (equatorial)	57 nm
gamma (inertial)	0.65°
v (inertial)	25,676 fps
Inclination	28.5°

Propulsion

a. Nominal thrust and specific impulse

1. SRM

(a) MSFC 86-80 data with ETR burn rate; 60°F grain temperature for February; lightweight cases (see Table A-1)

2. SSME

(a) T_{vac} = 470,000 lb [100% level rated power level (RPL)]

(b) A_{exit} = 6464.36 in^2 (ΔT = 95,000 lb; P_{ref} = 2116.22 psf)

(c) I_{spvac} = 455.15 s for T = 100%, mixture ratio (MR) at injector = 6.014:1

(d) I_{spvac} = 455.25 s for T = 109%

(e) Pitch null = -16° (No. 1 engine) and -10° (No. 2 and No. 3 engines)

(f) Yaw null = 0° (all engines); No. 2 and No. 3 are electronically biased to 0 from their mechanical nulls of 3.5° outboard

3. OMS

(a) T_{vac}

(b) I_{spvac}

} = function OMS/RCS usage (see Tables A-2 and A-3)

(c) Pitch null = -15° 49'

(d) Yaw null = 6° 30' outboard (AOA pre-MECO burn executed at null attitude; post-MECO burns electronically biased to 0)

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Table A-1. MSFC 86-80 Motor Data - ETR Version (60°F)

SRM THRUST AND FLOW RATE TABLE
DELTA PHBT= 0.00

TIME FACTOR 1.000000 THRUST FACTOR 1.000000 FLOW RATE FACTOR 1.000000

TIME (SEC)	VAC THRUST (LBS)	FLOW RATE (LBS/SEC)	HEAD PRES (PSI)	TIME (SEC)	VAC THRUST (LBS)	FLOW RATE (LBS/SEC)	HEAD PRES (PSI)
0.000	0.0	0.000	14.700	75.316	2598616.0	9808.235	629.927
.197	1941085.8	5837.533	499.007	75.808	2594558.5	9829.704	631.109
.295	2531237.3	9538.378	735.553	76.301	2601436.3	9854.459	632.495
.394	2885710.8	10105.170	818.875	76.793	2608898.3	9881.909	633.981
.591	2929526.5	11007.022	800.981	77.285	2616161.5	9910.002	635.518
.788	2988813.0	10985.894	849.559	77.777	2617777.0	9917.256	635.632
.985	2927832.0	11000.747	845.635	78.270	2616694.8	9914.007	635.101
1.969	2959403.0	11103.954	837.505	78.762	2614012.3	9904.593	634.197
2.954	2988161.8	11225.437	835.958	79.254	2614580.5	9906.586	634.085
3.938	2992024.8	11253.299	830.127	79.746	2610879.3	9893.037	632.948
4.923	3006210.5	11296.675	827.042	80.239	2605106.3	9871.895	631.343
5.907	3022987.3	11357.005	826.370	80.731	2592429.0	9825.141	629.009
6.892	3046402.5	11446.211	828.143	81.223	2573421.3	9754.852	623.177
7.876	3052680.8	11471.076	825.690	81.715	2560706.3	9707.530	619.893
8.861	3061833.0	11505.941	824.659	82.208	2549939.5	9667.637	617.100
9.845	3071600.0	11542.708	823.985	82.700	2528330.8	9586.575	611.623
10.830	3076730.5	11570.252	822.888	83.192	2508532.5	9513.053	606.625
11.814	3084973.8	11594.105	821.729	83.684	2501465.0	9486.902	604.720
12.798	3093748.8	11627.293	821.576	84.177	2497160.3	9471.216	603.490
13.783	3098599.8	11650.777	820.690	84.669	2482453.8	9417.193	599.684
14.768	3105248.5	11672.512	819.980	85.161	2463929.0	9347.874	595.003
15.752	3112713.0	11701.029	819.471	85.654	2450241.0	9297.239	591.506
16.737	3118621.3	11716.394	818.209	86.146	2438168.8	9252.536	588.335
17.721	3125002.5	11751.752	818.697	86.638	2419276.8	9182.927	583.639
18.706	3134495.0	11794.894	818.877	87.130	2402094.5	9118.959	579.309
19.690	3140809.3	11808.713	818.694	87.623	2385888.3	9059.220	575.150
20.183	3145920.0	11828.114	819.043	88.115	2371801.3	9005.762	571.589
20.675	3149502.3	11842.594	819.043	88.607	2360453.0	8984.559	568.711
21.167	3153048.5	11856.969	819.043	89.099	2344309.0	8903.927	564.635
21.660	3155048.0	11884.831	818.894	89.592	2327163.5	8840.353	560.332
22.152	3155735.3	11872.243	818.482	90.084	2318379.0	8807.790	558.052
22.644	3125435.0	11756.331	809.463	90.576	2317047.3	8803.032	557.538
23.136	3098272.0	11656.781	801.681	91.068	2302095.8	8747.989	553.788
23.629	3067826.3	11544.347	793.035	91.561	2253175.0	8677.015	549.020
24.121	3043852.0	11455.358	786.035	92.053	2259698.0	8625.983	545.620
24.613	3020822.5	11370.128	779.420	92.545	2251395.3	8568.113	543.451
25.598	2979076.0	11216.761	767.217	93.037	2252109.0	8581.932	541.085
26.582	2939495.0	11067.980	755.412	93.530	2240556.0	8519.184	538.105
27.567	2900515.5	10926.501	744.418	94.022	2227883.5	8471.519	534.882
28.551	2863402.8	10790.080	733.854	94.514	2219174.3	8439.805	532.842
29.536	2837576.3	10685.134	725.888	95.006	2209013.3	8402.258	530.045
30.520	2801578.3	10561.884	715.420	95.499	2190880.5	8333.325	525.481
31.505	2772578.8	10455.470	707.103	95.991	2168465.8	8250.755	520.014
32.489	2743807.0	10350.224	698.704	96.483	2147804.0	8173.721	514.997
33.474	2714946.8	10244.395	690.451	96.976	2135880.8	8129.201	511.904
34.458	2686776.8	10139.884	682.342	97.468	2128583.3	8102.777	510.009
35.443	2658883.3	10037.467	674.343	97.960	2111808.8	8040.316	505.836
36.427	2633368.3	9943.858	666.956	98.452	2093818.5	7972.155	501.387
37.412	2609318.3	9854.194	659.533	98.945	2083078.0	7932.180	498.889
38.396	2585224.5	9765.722	653.009	99.437	2075929.5	7905.785	496.832
39.381	2560294.0	9674.081	645.908	99.929	2070537.3	7885.704	495.388
40.365	2536603.5	9586.985	639.094	100.421	2065433.0	7865.342	494.022
41.350	2513888.5	9502.795	632.576	100.914	2059425.9	7844.637	492.440
42.334	2489494.0	9435.824	627.271	101.406	2042291.3	7780.386	489.193
43.319	2481175.8	9383.310	622.304	101.898	2019306.9	7694.730	482.982
44.304	2465598.0	9325.323	618.220	102.390	2000800.9	7625.563	478.334
45.288	2449808.5	9258.882	613.501	102.883	1983524.8	7551.255	473.775

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Table A-1. MSFC 86-80 Motor Data - ETR Version (60°F) (Concluded)

46.273	2432196.8	9203.192	608.461	103.375	1988161.6	7503.673	469.988
47.257	2416316.5	9144.391	603.819	103.867	1953895.3	7450.417	466.463
48.242	2404768.0	9102.184	600.339	104.359	1940338.3	7399.805	463.108
49.226	2389119.8	9044.626	595.838	104.852	1927044.4	7350.198	459.812
50.211	2383495.0	8948.920	588.888	105.344	1912773.0	7296.100	456.306
51.195	2340289.0	8863.038	582.620	105.836	1897862.9	7239.681	452.958
51.687	2333357.3	8837.513	580.629	106.329	1882169.4	7181.309	448.751
52.180	2329819.0	8824.572	579.464	106.821	1868595.0	7123.613	444.939
52.672	2329805.5	8821.036	578.962	107.313	1851109.0	7085.717	441.142
53.164	2330943.0	8827.739	579.094	107.805	1835759.0	7008.314	437.380
53.657	2333388.8	8838.600	579.508	108.298	1822167.0	6957.415	434.040
54.149	2336639.3	8851.402	580.079	108.790	1810587.5	6913.956	431.180
54.841	2340232.5	8864.805	580.703	109.282	1799846.1	6873.107	428.461
55.133	2344595.3	8881.098	581.492	109.774	1787770.3	6827.994	425.530
55.626	2352033.8	8908.948	583.072	110.267	1775851.6	6783.423	422.622
56.118	2360674.0	8941.957	584.986	110.759	1765722.3	6749.283	420.340
56.610	2368947.5	8975.678	586.889	111.251	1765832.1	6746.376	420.036
57.102	2371736.3	8983.737	587.085	111.743	1764152.5	6739.403	419.491
57.595	2378720.0	9009.480	588.456	112.236	1738807.0	6643.571	413.351
58.087	2387390.3	9042.882	590.348	112.729	1671789.8	6390.980	397.289
58.579	2397153.3	9079.808	592.465	113.220	1591638.9	6089.177	378.207
59.071	2407420.5	9118.194	594.705	113.712	1485532.5	5892.373	353.192
59.564	2415757.0	9149.615	596.493	114.205	1350276.1	5178.429	320.825
60.056	2423032.8	9177.088	598.021	114.697	1198587.5	4589.330	284.497
60.548	2429760.3	9202.514	599.386	115.189	1035893.1	3993.885	246.530
61.040	2436387.3	9227.548	600.755	115.681	881165.5	3408.670	209.963
61.533	2443084.8	9252.771	602.109	116.174	740446.4	2881.490	177.715
62.025	2449685.8	9277.782	603.448	116.666	633898.9	2524.190	154.920
62.517	2459002.3	9312.849	605.481	117.158	567013.3	2289.759	140.392
63.009	2470917.0	9358.148	608.121	117.651	512338.2	2095.470	128.341
63.502	2480534.5	9394.321	610.187	118.143	469132.7	1939.397	118.718
63.994	2485745.3	9417.838	611.445	118.635	429324.3	1794.037	109.740
64.486	2491637.0	9436.438	612.394	119.127	388390.7	1642.850	100.412
64.979	2496927.8	9452.793	613.120	119.620	348771.4	1494.453	91.284
65.471	2502988.3	9479.345	614.558	120.112	318141.3	1372.187	83.742
65.963	2514621.3	9522.829	617.134	120.604	295302.6	1281.465	76.886
66.455	2528252.0	9573.888	620.184	121.096	272870.0	1144.470	69.846
66.948	2539428.3	9616.005	622.619	121.588	247326.4	1019.222	61.985
67.440	2547370.3	9646.197	624.285	122.081	220603.3	850.889	53.935
67.932	2553307.0	9668.834	625.454	122.293	210186.1	833.980	50.820
68.424	2555019.5	9676.005	625.580	122.775	178856.2	688.218	41.878
68.917	2558805.5	9683.014	625.732	123.267	150675.2	581.229	34.100
69.409	2563840.0	9679.235	627.151	123.759	123549.0	452.477	27.449
69.901	2572885.8	9743.036	629.071	124.252	98458.0	359.486	21.772
70.393	2583012.3	9781.947	631.307	124.744	74249.4	271.817	16.420
70.886	2582532.8	9818.184	633.382	125.236	57777.7	211.718	12.778
71.378	2588863.8	9804.025	632.091	125.728	45338.2	165.431	10.029
71.870	2579728.5	9771.386	629.633	126.221	35050.0	132.986	7.974
72.362	2578885.8	9767.432	629.116	126.713	28811.5	109.098	6.949
72.855	2581147.8	9776.791	629.444	127.205	22307.5	82.332	4.935
73.347	2585310.0	9792.598	630.182	127.698	17050.3	63.086	3.771
73.839	2580160.0	9810.953	631.085	128.190	12234.8	45.382	2.706
74.331	2584553.5	9791.354	629.440	128.682	7103.1	25.408	1.573
74.824	2584484.3	9790.881	629.180				

Table A-2. Variation of OMS/RCS Performance for Pre-MECO Abort (Single Engine Values)

Data for RCS Jets Fueled from RCS Tank

Acceleration Level (g's)	Number of RCS Jets Operating				
	Four + X			Twelve*	
	Thrust (lbs)	Flow Rate (lbs/s)	I_{sp} (s)	Thrust (lbs)	Flow Rate (lbs/s)
0	870	3.1071	280	838	2.9928
3	950	3.3928	280	920	3.2857

*Includes 4 + X thrusting RCS, remaining number are null RCS (used in ± pairs) with zero net + X thrust

Data for OMS and RCS Fueled from OMS Tank

Number of RCS Thrusters Firing With One OMS	Thrust (lbs)		Flow Rates (lbs/s)		
	Per OMS Engine	Per RCS Thruster	Per OMS Engine	Per RCS Thruster	Total One Pod
OMS + 0	6070	-	19.37	-	19.37
OMS + 2	5960	870	19.03	3.100	25.23
OMS + 6	5690	812	18.21	2.892	35.56
OMS + 9	5471	775	17.53	2.749	42.27
OMS + 12	5245	738	16.84	2.610	48.16

Table A-3. Mission Update Nominal Trajectory

OMS AND RCS ENGINE ID (BY STAGE)
(0) 0 OMS - 0 +X RCS - 0 NULL RCS
(2) 2 OMS - 0 +X RCS - 0 NULL RCS
(4) 2 OMS - 4 +X RCS - 0 NULL RCS
(6) 2 OMS - 4 +X RCS - 8 NULL RCS
(34) 2 OMS - 4 +X RCS -14 NULL RCS
(20) 2 OMS - 4 +X RCS - 20 NULL RCS

OMS-RCS BURN/DUMP SEQUENCES

AOA USED BURN/DUMP SEQUENCE

AOA STAGE 11	12	13	14	15	
.450000E+01	.250700E+02	.144947E+03	.450000E+01	.120154E+03	Δt (sec)
.121400E+05	.189420E+05/5401	.119200E+05	.121400E+05	.181460E+05	OMS THRUST
0.	.316600E+04/925	.340000E+04	0.	.344000E+04	RCS THRUST
.387400E+02	.845420E+02	.504600E+02	.387400E+02	.517400E+02	OMS/RCS W
.174330E+03	.218954E+04	.731000E+03	.174330E+03	.621676E+04	OMS/RCS PROP
.106365E+05	.612164E+05	.342609E+06	.106365E+05	.264005E+06	MPS PROP
.200000E+01	.148000E+02	.400000E+01	.200000E+01	.400000E+01	ENGINE ID

RTLS USED BURN/DUMP SEQUENCE

RTLS STAGE 6	7	8	9	10	
.450000E+01	.149150E+03	.450000E+01	.964872E+01	.921910E+02	Δt (sec)
.121400E+05	.164900E+05	.121400E+05	.121400E+05	.121400E+05	OMS THRUST
0.	.245200E+04	0.	.351000E+04	.344000E+04	RCS THRUST
.387400E+02	.943200E+02	.387400E+02	.780140E+02	.517400E+02	OMS/RCS W
.174330E+03	.143470E+05	.174330E+03	.337298E+03	.477061E+04	OMS/RCS PROP
.106365E+05	.352365E+06	.106365E+05	.228065E+05	.217912E+06	MPS PROP
.200000E+01	.248000E+02	.200000E+01	.800000E+01	.400000E+01	ENGINE ID

4. RCS

(a) T_{vac}
(b) I_{spvac}
} = function OMS/RCS usage (see Tables A-2 and A-3)

(c) Pitch = -10.0°
(d) Yaw = 0°
} + X jets

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Mass Properties

a. Mass properties of elements

b. Element weights

Orbiter planning weight	= 140,821 lb
External tank (ET) planning weight	= 70,990 lb
SSME planning weight	= 20,484 lb

c. MPS propellant weights

ET propellant weight at t_o - 5 min	= 1,592,124 lb
Orbiter MPS at t_o - 5 min	= 5,039 lb
Total MPS at t_o - 5 min	= 1,597,163 lb

d. SRB weights

SRB gross weight = 2,579,976 lb
SRB inert weight = 365,72[illegible] lb

OMS = 19,700
RCS = 7,508

e. FPR and fuel bias

	(3σ) Normal	(2σ) AOA	(2σ) RTLS
FPR (lb)	5551	3786	3786
LH_2 Bias (lb)	1047	1100	1100

(Reverse Blank)

APPENDIX B—MISSION 3A CRITERIA INPUT REQUIREMENTS

Mission

a. 32,000 lb payload

b. 104° orbit inclination (normal mission)

Trajectory

a. General

1. Variable Iy shaping

2. Last RTLS time equals earliest AOA time

b. Launch

1. Launch pad

Latitude = 34.58139° North
Longitude = 239.37472° East
Altitude = 430 ft

Altitude corresponds to booster station 1942 (11.36 in. below the base of the booster skirt)

2. Orbiter tail-west orientation

3. Staggered start on main engines. 120-ms delay between starts; each SSME reaches 90% thrust at 3.7 s after its start signal

4. SRB ignition command defines t_o and is issued 2.716 s after last SSME reaches 90% thrust. SRM thrust rise starts 0.011 s after ignition command

5. Vertical rise until vehicle has gained 365 ft of altitude

c. First stage

1. 1971 Vandenberg reference atmosphere

2. Vandenberg December mean wind (see Figure B-1)

3. Flight control 10 (see Table B-1)

4. Maximum dynamic pressure 650 psf, nominal (maximum dispersion = 819 psf)

Figure B-1. WTR Mean Wind

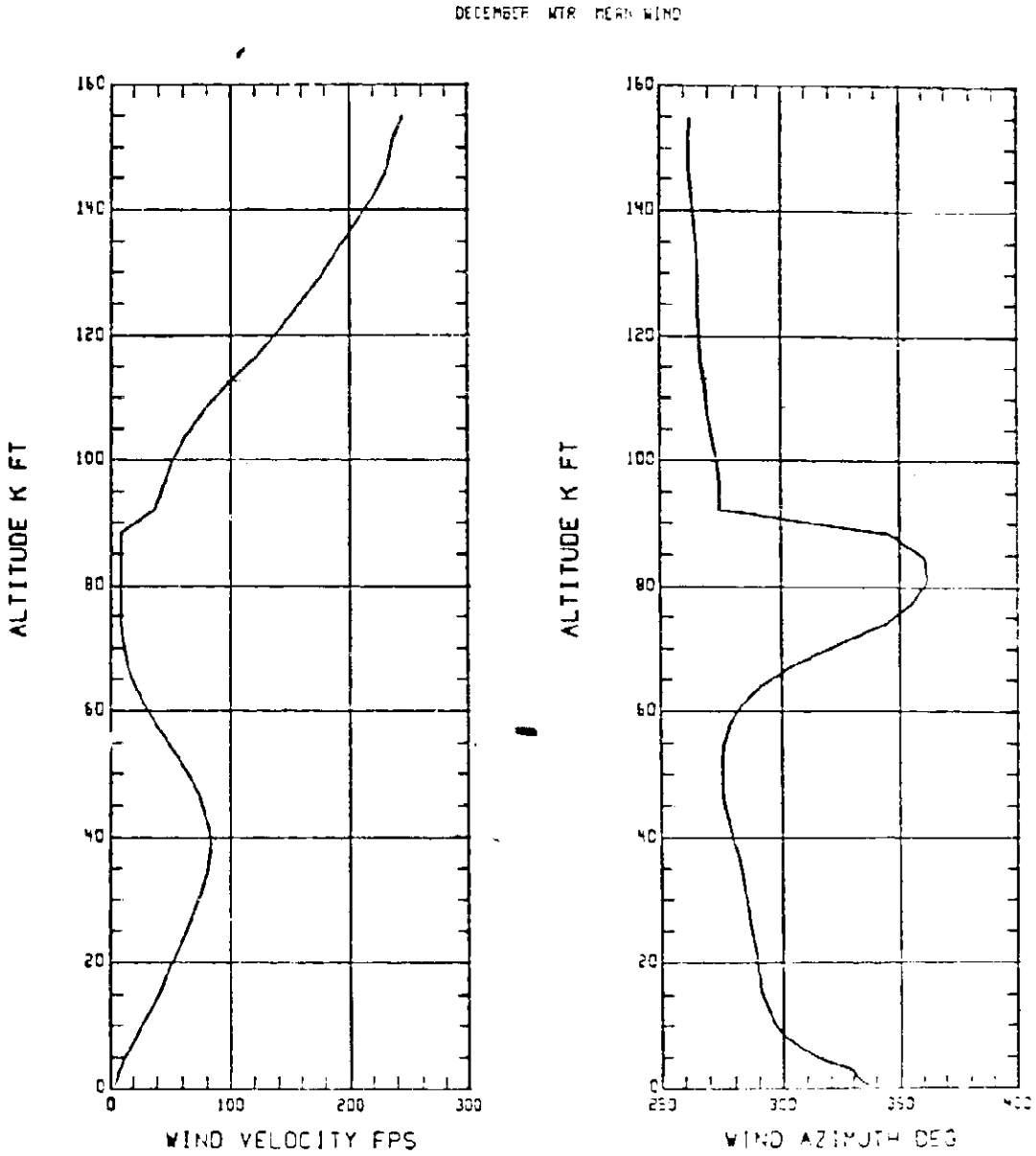

Table B-1. Flight Control 10

MISSION 3A WINTER LAUNCH DECEMBER MEAN WIND
SRM MSFC 86-80 DATA WTF VERSION SRM, 52 DEG
LOAD RELIEF 4-03-80 WEIGHTS PSEUDO ALT = 20 KM

FLIGHT CONTROL 10

RELATIVE VELOCITY	PITCH ATTITUDE	YAW ATTITUDE	ROLL ATTITUDE	I-LOAD INPUT TANGENT OF QUARTER ANGLE PITCH	YAW	ROLL
0.00	90.000	180.000	90 000	.414214	1.000000	.414214
117.78	73 070	178.500	180 000	.330089	.986985	1.000000
375.05	73 070	178.500	180.000	.330089	.986985	1.000000
536.00	70.500	181.660	180.000	.317639	1.016542	1.000000
683.00	70.400	184.250	180.000	.317219	1.037793	1 000000
800 00	69.400	186.160	180.000	.312423	1.059439	1.000000
895.00	68.200	187.610	180.000	.307163	1.068717	1.000000
973.00	66 400	186.790	180.000	.298113	1.079827	1.000000
1048.00	64.500	189.620	180.000	.289108	1.089559	1.000000
1122.00	62.500	190.720	180.000	.279675	1.098215	1.000000
1202.00	60.600	191.550	180.000	.270757	1.106334	1.000000
1293.00	58.600	192.230	180.000	.261413	1.112856	1.000000
1407.00	56.000	192.520	180 000	.249528	1.115693	1.000000
1558.00	53.400	192.310	180.000	.237312	1.113638	1.000000
1733.00	50.700	191.770	180.000	.224901	1 108374	1.000000
1925.00	47.700	191.020	180.000	.211169	1.101107	1 000000
2252.00	42.800	189 920	180.000	.188952	1.090544	1.000000
2366 00	41.600	189 700	180 000	.183534	1.088445	1 000000
2502.00	39.500	189 400	180 000	.174078	1.085589	1 000000
2844.00	37.500	189.350	180.000	.165101	1.085114	1 000000
3094.00	35.700	189.410	180 000	.157043	1 085684	1 000000
3348.00	33.800	190.320	180 000	.148559	1.094372	1.000000
3607 00	32.100	190 670	180 000	.140986	1.097734	1.000000
3867.00	30.500	191 320	180 000	.133603	1.104007	1.000000
4129.00	29 000	192.020	180.000	.127216	1.110837	1.000000
4343.00	27.600	192.590	180.000	.121013	1.116378	1.000000
4401.00	26.900	192.810	180.000	.117915	1.118537	1.000000
4486.00	25.700	193.210	180 000	.112610	1.122474	1.000000
4571 00	23.400	193 580.	180.000	.104663	1.126129	1.000000
4750.00	20.000	193.580	180.000	.087489	1.126125	1.000000

RELATIVE VELOCITY	NORMAL LOAD FACTOR	SIDE LOAD FACTOR	RELATIVE VELOCITY	ESME PITCH GIMBAL TRIM	SRB PITCH GIMBAL TRIM	I-LOAD INPUT .707*SRB PITCH GIMBAL TRIM
0.00	.0706	0 0000	0.00	-2 700	- 592	- 4189
117.78	.0706	0 0000	117.78	2 000	- 592	- 4189
375.05	.0489	0.0000	375 05	0 000	- 789	- 5578
536 00	.0590	0.0000	536 00	0 000	- 967	.6835
683 00	.1263	0 0000	683 00	0 000	+1 167	- 8252
801.00	.1597	0 0000	801 00	0 000	+1.392	- 9846
850 00	.1534	0 0000	850 00	0 000	+1 525	- 9963
936.00	.1200	0 0000	936 00	0 000	+ 650	- 4594
973.00	.1310	0 0000	973 00	0 000	+ 567	- 4012
1085 00	.1290	0 0000	1085 00	0 000	334	2360
1123.00	.1459	0 0000	1123 00	0 000	238	1 06
1201 00	.1452	0 0000	1201 00	0 000	101	0713
1346 00	.1557	0 0000	1346 00	0 000	.122	0865
1479.00	.1913	0 0000	1479 00	0 000	- 229	- 1616
2259 00	0650	0 0000	2259 00	0 000	593	4.50
2503 00	1038	0 0000	2503 00	0 000	.711	5027
4130 00	.1448	0 0000	4130 00	0 000	795	5621
4293 00	.1595	0 0000	4293 00	0 000	720	5091
4571.00	.2246	0 0000	4571 00	0 000	722	5091
4800 00	.2246	0 0000	4800 00	0 000	.720	5091

5. MPS throttle schedule (for all three engines), single-step throttle

I-Load Entires		Reference Values	
V_{rel} (fps)	Command Throttle (%)	Time (s)	Actual Throttle (%)
0	100	0	100
		3.5	100
52.625	109	4.4	109
		34.7	109
818.665	65	39.1	65
		59.29	65
1326.567	109	63.69	109

6. SSME throttle change rate $\pm$10%/s

7. Elevon schedule 6A

Relative Velocity (fps)	Inboard Elevon Deflection (deg)	Outboard Elevon Deflection (deg)	Mach No. (Ref)
0	10	9	0
1092.406	10	9	1.05
1249.897	10	2	1.25
1496.753	10	-5	1.55
1718.813	10	-5	1.80
2305.636	3.333	-5	2.40
2520.737	1.111	0	2.60
2628.795	0	0	2.70

8. 194 lb of SOFI weight loss during first stage

Time (s)	SOFI Flow Rate (lbs/s)
0.	2.4
25.	2.4
50.	1.46
75.	1.12
100.	0.97
122.375	1.48015
122.38	0.
150.	0.

d. Staging

1. SRB separation 6.0 s after P_c = 50 psi

2. Command SRB nozzle actuators to null 4.3 s after P_c = 50 psi

3. Attitude hold from SRB separation to 4.0 s after separation

4. Maximum dynamic pressure at separation shall not exceed 75 psf (with dispersions)

5. Begin SSME trim command after P_c = 380 psi (6 s ramp). Constant SRB trim command beyond V_{rel}—corresponding to nominal P_c = 380 psi

e. Second stage

1. General

(a) Maximum acceleration = 3 g's by MPS throttling

(b) α limiter = 5° cone around 2° α prior to 150 s or 200,000 ft

2. Pseudo-MECO Trajectory

(a) Three MPS engines at throttle setting = 109% (FPL)

(b) SSME is throttled to reach 65% (MPL) 6 s before MECO at -10%/s

(c) Pseudo-MECO target conditions

h (equatorial)	70 nm (r = 21,351,050 ft)
γ (inertial)	0.65°
v (inertial)	25,374 fps
Inclination	96.907°
Ascending Node	55.87913°*

3. Normal trajectory

(a) MPS throttle setting = 109% (FPL)

(b) Instantaneous pitch/yaw maneuver at abort mode boundary

(c) SSME is throttled to reach 65% (MPL) 6 s before MECO at -10%/s

(d) MECO target conditions

h (equatorial)	57 nm
γ (inertial)	0.65°
v (inertial)	25,374 fps
Inclination	104°
Ascending Node	51.83485°*

4. AOA Trajectory

(a) MPS throttle setting = 109% (FPL)

(b) Engine failure occurs on No. 3 SSME

(c) Parallel SSME from engine failure time to t(MECO) - 60 s

(d) Aft RCS burned pre-MECO to 65% level

(e) OMS and RCS used to burn off excess OMS and RCS propellants (Enclosure 2) with interconnect

(f) SSME is cutoff from existing power level (>65%)

(g) MECO target conditions

h (equatorial)	57 nm
γ (inertial)	0.65°
v (inertial)	25,346 fps

Propulsion (Nominal Thrust and Specific Impulse)

a. SRM

1. MSFC 86-80 data with WTR burn rate for 52°F grain temperature for December (see Table B-2)

b. SSME

1. T_{vac} = 470,000 lb (100% power level RPL)
2. A_{exit} = 6464.36 in^2 (ΔT = 95,000 lb; P_{ref} = 2116.22 psf)
3. I_{spvac} = 455.15 s for T = 100% MR at injector = 6.014:1
4. I_{spvac} = 455.25 s for T = 109%
5. Pitch null = -16° (No. 1 engine) and -10° (No. 2 and No. 3 engines)
6. Yaw null = 0° (all engines); No. 2 and No. 3 are electronically biased to 0 from their mechanical nulls of 3.5° outboard

c. OMS

1. T_{vac}
2. I_{spvac}

} = function OMS/RCS usage (see Tables B-3 and B-4)

3. Pitch null = -15° 49'
4. Yaw null = 6° 30' outboard (AOA pre-MECO burn executed at null attitude; post-MECO burns electronically biased to 0)

d. RCS

1. T_{vac}
2. I_{spvac}

} = function OMS/RCS usage (see Tables B-3 and B-4)

3. Pitch = -10.0°
4. Yaw = 0°

} + X jets

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Table B-2. MSFC 86-80 Motor Data - WTR Version (52°F)

MISSION 3A WINTER LAUNCH DECEMBER MEAN WIND
SRM MSFC 86-80 DATA WTR VERSION SRM, 52 DEG
LOAD RELIEF 4-80-80 WEIGHTS PSEUDO ALT = 70 NM

SRM THRUST AND FLOW RATE TABLE
DELTA PMBT= 13.00

	TIME FACTOR .981387		THRUST FACTOR 1.013691			FLOW RATE FACTOR 1.019225	
TIME (SEC)	VAC THRUST (LBS)	FLOW RATE (LBS/SEC)	HEAD PRES (PSI)	TIME (SEC)	VAC THRUST (LBS)	FLOW RATE (LBS/SEC)	HEAD PRES (PSI)
0.000	0.0	0.000	14.929	73.910	2639589.4	9952.836	642.331
.193	1571431.9	5948.614	509.839	74.392	2646689.7	10015.732	643.536
.289	2581080.8	9719.662	760.007	74.876	2652662.1	10074.976	644.550
.387	2729815.8	10297.459	824.904	75.359	2660256.9	10069.848	645.469
.580	2867280.2	11215.472	877.935	75.842	2667677.3	10098.677	646.032
.773	2884445.9	11208.152	866.329	76.325	2669324.6	10105.950	646.146
.967	2885485.0	11219.078	862.287	76.808	2668210.9	10102.638	646.607
1.932	3013598.9	11315.243	853.997	77.291	2665493.9	10093.157	646.685
2.899	3047002.8	11440.062	852.419	77.774	2666065.2	10095.096	646.571
3.864	3054000.9	11467.436	846.473	78.257	2662291.1	10081.289	646.412
4.831	3059405.9	11510.638	843.328	78.741	2656404.4	10059.746	643.775
5.797	3062208.1	11573.115	842.642	79.223	2643477.5	10012.101	640.375
6.763	3106390.3	11664.318	844.450	79.706	2620080.5	9924.675	635.446
7.729	3112808.6	11689.357	841.949	80.189	2611130.1	9892.252	632.100
8.696	3122124.7	11724.477	840.696	80.673	2600191.3	9851.600	629.252
9.661	3132284.0	11762.352	840.211	81.156	2578117.1	9768.996	623.667
10.628	3139354.9	11790.420	839.092	81.639	2557928.9	9694.075	618.571
11.593	3145619.2	11814.727	837.910	82.121	2550723.3	9667.426	616.628
12.560	3154668.9	11848.545	837.754	82.605	2546333.3	9651.442	615.374
13.526	3160635.2	11872.477	836.851	83.088	2531336.7	9596.391	611.493
14.492	3166395.1	11894.626	836.127	83.571	2512447.1	9525.753	606.719
15.458	3174006.5	11923.685	835.608	84.055	2498489.6	9474.154	603.154
16.424	3177389.9	11936.302	834.321	84.537	2486179.2	9428.702	599.982
17.390	3187557.8	11975.374	834.318	85.020	2466915.7	9357.569	595.131
18.357	3196218.5	12009.136	835.002	85.503	2449354.2	9292.482	590.716
19.322	3202656.1	12033.418	834.805	85.987	2432640.3	9230.567	586.445
19.806	3207867.5	12053.169	835.171	86.470	2419505.3	9178.150	582.884
20.289	3211622.3	12067.944	835.171	86.952	2408933.5	9135.246	579.913
20.772	3215136.3	12082.592	835.171	87.435	2392471.6	9072.258	575.763
21.256	3217175.2	12090.604	835.009	87.919	2372386.5	9000.574	571.366
21.738	3218917.1	12098.157	834.599	88.402	2364031.1	8975.282	569.041
22.221	3186979.1	11979.734	825.423	88.885	2362613.8	8970.543	568.517
22.704	3159281.2	11878.595	817.467	89.367	2347427.2	8914.453	564.672
23.188	3128266.6	11764.022	809.651	89.851	2328133.8	8842.126	559.831
23.671	3103789.5	11673.340	801.513	90.334	2314391.5	8791.154	556.364
24.153	3080308.6	11586.466	794.768	90.817	2305684.5	8759.687	554.152
25.120	3037738.1	11430.202	782.325	91.300	2295956.1	8724.655	551.719
26.086	2998368.0	11278.163	770.287	91.783	2289675.6	8681.294	548.701
27.052	2957630.6	11134.419	759.077	92.266	2271539.8	8632.722	545.384
28.018	2919787.1	10988.041	748.101	92.749	2262672.9	8600.404	543.137
28.984	2893452.1	10886.649	740.182	93.232	2252511.8	8562.141	540.469
29.950	2836745.2	10762.843	728.508	93.716	2233318.0	8491.559	535.868
30.917	2827276.6	10654.425	721.027	94.199	2211186.2	8407.757	530.254
31.882	2797836.3	10547.176	712.462	94.681	2190291.2	8329.257	525.036
32.849	2769407.8	10439.323	704.047	95.165	2177535.2	8283.833	521.884
33.815	2739583.1	10332.613	695.776	95.648	2170436.0	8256.950	520.059
34.781	2711240.3	10225.468	687.622	96.131	2153383.2	8191.209	515.757
35.747	2683251.5	10123.118	680.089	96.614	2135248.6	8123.885	511.192
36.713	2657639.3	10041.707	672.928	97.097	2124036.7	8081.120	508.518
37.679	2630131.1	9951.992	665.868	97.580	2116536.2	8052.609	506.708
38.646	2610699.5	9859.447	658.625	98.063	2111309.0	8032.733	505.454
39.611	2586552.7	9769.414	651.679	98.546	2101104.2	8016.938	504.150
40.576	2553197.7	9683.602	645.032	99.030	2099916.8	7993.911	502.637
41.543	2544652.7	9615.376	638.623	99.513	2088446.6	7949.427	499.844
42.510	2530208.5	9551.863	636.170	99.995	2080504.8	7921.191	498.076
43.477	2514148.0	9502.773	632.384	100.478	2074198.4	7898.966	496.679
44.442	2497844.6	9443.016	628.582	100.962	2068553.1	7879.433	495.454

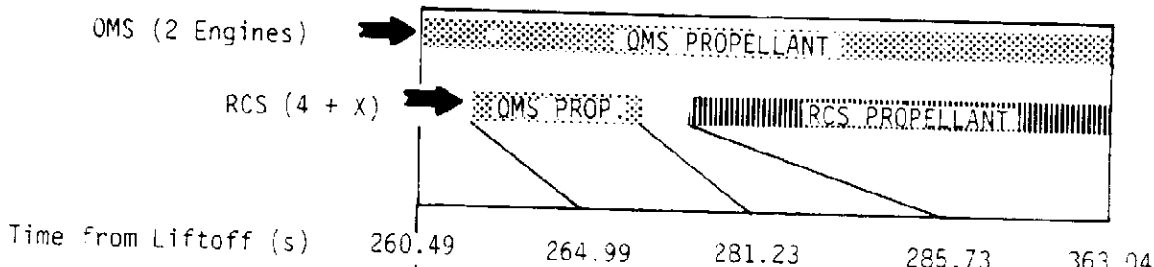
ORIG[illegible]
OF P[illegible]

Table B-2. MSFC 86-80 Motor Data - WTR Version (52°F) (Concluded)

45.409	2480030.1	9376.316	620.442	101.445	2006917.4	7646.454	479.243
46.375	2463897.1	9318.398	615.709	101.927	1992071.2	7592.189	475.648
47.341	2452121.2	9275.357	612.159	102.410	1978845.2	7540.615	472.227
48.307	2435164.8	9216.734	607.571	102.894	1964350.5	7490.063	468.872
49.273	2410035.4	9119.207	600.454	103.377	1950488.1	7434.936	465.281
50.239	2386341.9	9031.691	594.093	103.860	1936030.4	7377.443	461.460
50.722	2379304.3	9005.680	592.052	104.343	1919221.9	7316.470	457.598
51.206	2375496.3	8992.493	590.874	104.826	1903350.8	7259.167	452.700
51.689	2374662.9	8988.890	590.358	105.309	1887555.9	7200.169	449.823
52.171	2376434.6	8995.720	590.497	105.792	1871907.6	7141.674	446.953
52.655	2379336.4	9006.765	590.919	106.276	1858048.0	7088.806	442.587
53.138	2382650.9	9019.833	591.502	106.759	1846220.0	7045.880	439.671
53.621	2386314.9	9033.288	592.138	107.241	1835083.6	7003.894	436.888
54.103	2390763.6	9050.095	592.942	107.724	1822973.9	6957.922	433.309
54.587	2395345.6	9078.370	594.553	108.208	1817820.5	6912.503	430.954
55.070	2407362.8	9112.122	596.485	108.691	1801811.5	6877.679	428.617
55.553	2416513.0	9146.474	598.445	109.174	1800705.7	6874.751	426.307
56.036	2418439.5	9154.667	598.615	109.655	1795591.1	6557.646	427.751
56.520	2423560.2	9180.913	600.084	110.140	1773046.5	6769.990	421.501
57.002	2434401.3	9214.967	601.973	110.623	1704189.2	6512.553	405.112
57.485	2444356.5	9252.382	604.132	111.106	1622980.3	6235.047	385.554
57.968	2454335.9	9291.702	605.416	111.589	1515804.4	5801.303	360.147
58.452	2463326.6	9323.721	608.239	112.072	1376564.9	5276.769	327.144
58.935	2470745.6	9351.717	609.797	112.555	1220160.1	4667.461	290.099
59.417	2477605.6	9377.627	611.189	113.038	1056891.3	4069.661	251.385
59.900	2484363.1	9403.137	612.585	113.521	895516.9	3473.533	214.397
60.384	2491172.1	9428.840	613.965	114.005	755026.8	2946.512	181.214
60.867	2497923.5	9454.327	615.331	114.487	646361.2	2572.222	157.971
61.350	2507423.4	9499.857	617.404	114.970	578178.6	2333.330	143.157
61.832	2519572.7	9535.222	620.095	115.454	522426.8	2135.344	130.865
62.316	2529379.6	9573.063	622.202	115.937	475376.7	1976.301	121.056
62.799	2535712.7	9597.048	623.425	116.420	437776.3	1828.175	111.901
63.282	2540700.7	9616.002	624.412	116.902	396038.6	1674.122	102.339
63.766	2545076.0	9632.659	625.193	117.386	355639.2	1522.691	93.052
64.248	2555376.6	9659.725	626.670	117.869	324405.9	1398.298	85.391
64.731	2564137.6	9704.037	629.255	118.352	302137.2	1285.490	79.410
65.214	2578042.9	9756.067	632.095	118.835	278843.2	1166.248	71.017
65.698	2589431.1	9798.956	634.879	119.319	252196.6	1028.617	63.104
66.181	2597531.5	9829.752	636.556	119.801	224947.3	907.617	54.997
66.663	2602885.1	9852.620	637.770	120.000	214304.6	849.850	51.821
67.146	2605331.3	9860.128	637.899	120.452	182378.1	701.314	42.703
67.630	2607152.5	9867.270	638.054	120.955	153642.2	571.909	34.771
68.113	2614121.6	9892.971	639.500	121.448	[illegible]	461.087	27.990
68.596	2623326.1	9928.434	641.456	121.932	100356.8	366.327	22.201
69.079	2633375.3	9969.066	643.738	122.415	75711.5	276.756	16.743
69.562	2643685.3	10004.992	645.834	122.897	58815.4	215.747	13.030
70.045	2639638.1	9993.614	644.532	123.381	46231.0	163.595	10.225
70.528	2630526.9	9957.262	642.031	123.864	36759.9	135.089	8.131
71.011	2629463.6	9953.294	641.504	124.347	30194.6	111.143	6.678
71.495	2631974.1	9962.831	641.639	124.830	22746.8	93.899	5.032
71.977	2636219.3	9979.909	642.591	125.313	17366.0	64.225	3.845
72.460	2641163.8	9997.654	643.512	125.796	12475.7	46.225	2.759
72.943	2635457.1	9977.672	641.935	126.279	7243.0	26.911	1.604
73.427	2635376.3	9977.190	641.579				

Table B-3. OMS and RCS Burn-Dump Sequencing for AOA (Pre-MECO)

OMS & RCS Burn-Dump Sequencing for AOA (Pre-MECO)



Time from Liftoff (s)		260.49	264.99	281.23	285.73	363.04
Time Intervals (s)			4.5	16.24	102.55 4.5	77.31
OMS (2 Engines)	T	12,140.	11,920.	12,140.	12,140.
	$\dot{w}$	38.74	38.06	38.74	38.74
	ΔW_p	174.33	618.07	174.33	2,994.9
RCS (4 + X)	T	0.0	3,480.	0.0	3,640.
	$\dot{w}$	0.0	12.4	0.0	13.0
	ΔW_p	0.0	201.37	0.0	1,005.0
Total OMS + RCS	T	12,140.	15,400.	12,140.	15,780.
	$\dot{w}$	38.74	50.46	38.74	51.74
	ΔW_p	174.33	819.44	174.33	3,999.90

T = Thrust (lbs); $\dot{w}$ = Flow Rate (lbs/s); ΔW_p = Propellant increment (lbs)

Table B-4. Variation of OMS/RCS Performance for Pre-MECO Abort (Single Engine Values)

Data for RCS Jets Fueled from RCS Tank

Acceleration Level (g's)	Number of RCS Jets Operating				
	Four + X			Twelve*	
	Thurst (lbs)	Flow Rate (lbs/s)	I_{sp} (s)	Thrust (lbs)	Flow Rate (lbs/s)
0	870	3.1071	280	838	2.9928
3	950	3.3928	280	920	3.2857

*Includes 4 + X thrusting RCS, remaining number are null RCS (used in ± pairs) with zero net + X thrust

Data for OMS and RCS Fueled from OMS Tank

Number of RCS Thrusters Firing with One OMS	Thrust (lb)		Flow Rates (lbs/s)		
	Per OMS Engine	Per RCS Thruster	Per OMS Engine	Per RCS Thruster	Total One Pod
OMS + 0	6070	-	19.37	-	19.37
OMS + 2	5960	870	19.03	3.100	25.23
OMS + 6	5690	812	18.21	2.892	35.56
OMS + 9	5471	775	17.53	2.749	42.27
OMS + 12	5245	738	16.84	2.610	48.16

Mass Properties

a. Mass properties of elements

b. Element weights

Orbiter planning weight = 140,821 lb
ET planning weight = 70,990 lb
SSME planning weight = 20,484 lb

c. MPS propellant weights

ET propellant weight at t_o -5 min = 1,592,124 lb
Orbiter MPS = 5,039 lb
TOT MPS at t_o -5 min = 1,597,163 lb

d. SRB weights

SRB gross weight = 2,579,976 lb
SRB inert weight = 365,722 lb

e. FPR and Fuel Bias

	(3σ) Normal	(2σ) AOA	(2σ) RTLS
FPR (lb)	5767	3632	3107
LH_2 Bias (lb)	1047	1100	1100

APPENDIX C—DERIVATION OF ERRORS AND UNCERTAINTIES

SRB Terminal Mismatch Data*

Time (Previous Data)	Left Motor (Low)	Right Motor (High)	(ETR @ 60 F) Flow Rate (lbs/s)
112.2	1,577,500	1,845,500	6472.9
113.4	1,353,600	1,923,600	6285.2
114.6	1,105,580	1,775,580	5672.7
115.8	721,700	1,431,700	4104.5
117.0	431,760	1,011,760	2791.1
118.2	331,640	801,640	2143.6
119.4	246,470	616,470	1779.7
120.6	191,450	481,450	1430.6
121.8	164,470	384,470	1145.9
123.0	131,750	291,750	843.9
124.2	87,590	187,590	509.7
			(WTR @ 52 F)
110.10484	1,608,563.1	1,881,840.4	6596.1
111.28243	1,380,254	1,961,478	6404.8
112.46002	1,127,350	1,810,544	5780.6
113.63761	735,911	1,459,892	4182.6
114.81521	440,262	1,031,683	2844.2
115.9928	338,170	817,425	2184.4
117.17039	251,323	628,609	1813.6
118.34798	195,220	490,930	1457.8
119.52557	167,709	392.041	1167.7
120.70317	134,344	297,495	860.0
121.88076	89,315	191,284	519.5

*Ref: EL01 (112-80), 29 May 1980

Derivation of the SRB Thrust Vector Angular Misalignment Error

1) Cone 1/2 angle = 1.0 deg

2) SRB/ET centerline misalignment = 0.12 deg

3) Electronics/actuator errors = 0.3 deg

RCS 1.0509

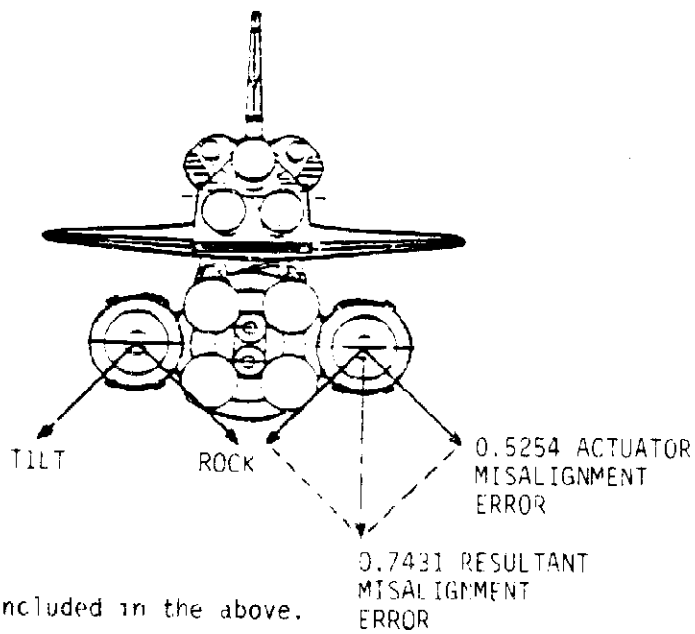
Average RSS of 2 SRBs = $\sqrt{2}/2$ = x 0.707

Resultant misalignment error = 0.7431

Component of the actuator misalignment in the pitch or yaw plane (cosine of 45°) = x 0.707

0.5254 deg.

0.5254 left, right (tilt, rock) per motor



"Nozzle Pivot Center Shift" is included in the above.

Derivation of SSME Thrust Vector Angular Misalignments (Pitch, Yaw)

	Engine #1		Engine #2		Engine #3	
	P	Y	P	Y	P	Y
1) Actuator System (±)	.534	.441	.537	.606	.537	.455
2) 15% of Nominal Thurst (±) Structure Deformation	.098	.060	.376	.015	.249	.071

3) Combination of:

a) ±0.25° installation tolerance

b) ±0.546° dynamic thrust vector (includes ±0.6 in. eccentricity)

c ±0.09° ET ℄ misalignment

} = ±0.607° (P, Y)

4) Nominal thrust structure deformation (deterministic)	+.654	-.399	+.510	+.098	+1.663	-.476

5) RSS (1), (2), and (3); add (4) per engine; then RSS 3 engines and divide by 3

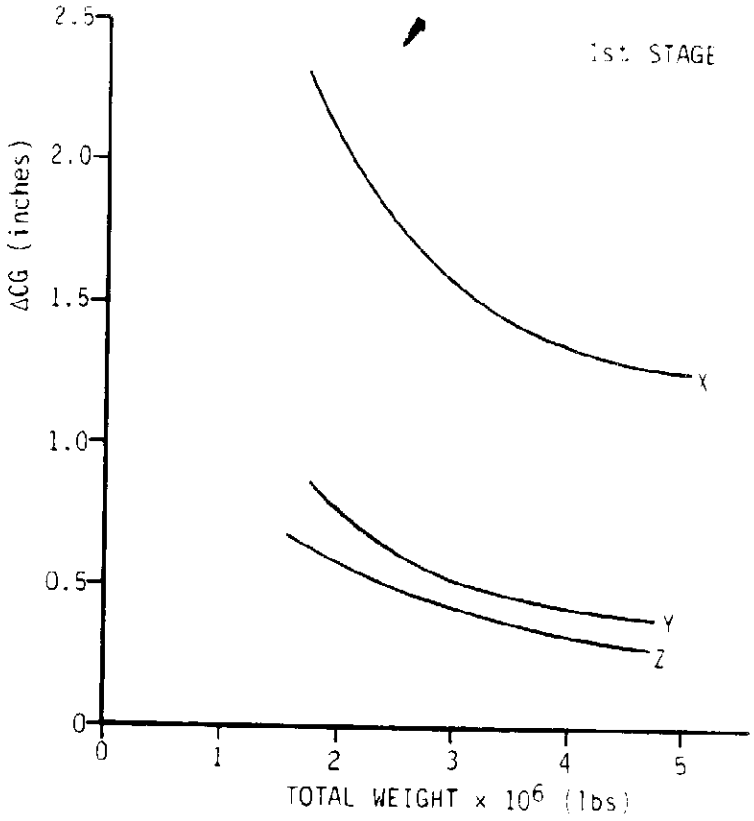
6) Results

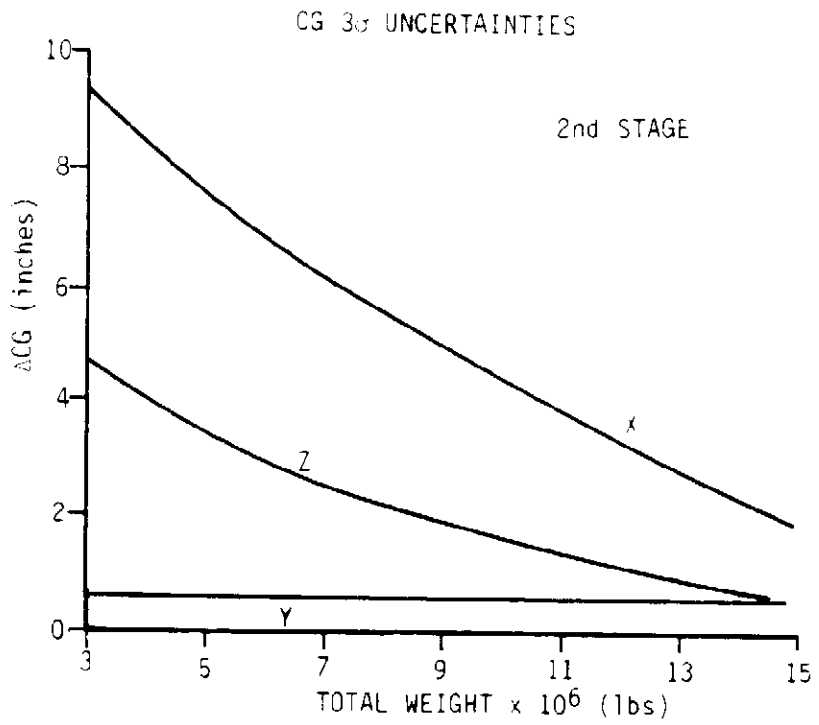
P	Y
+1.066	+.353
-0.115	-.618

7) Use largest of pitch, yaw values for simulation; P = ±1.066, Y = ±.618

NOTE: (1), (2), and (3) are dependent on gimbal angle deflections (flight averaged).

CG 3σ UNCERTAINTIES





Derivation of Accelerometer Errors

1) ACCURACY		Normal (g's)	Lateral (g's)
a) AA null offset (includes vibration)		0.021	0.014
b) AA noise		0.020	0.020
c) MDM noise		0.024	0.006
d) MDM bias		0.025	0.006
e) AA scale factor P (0.028 x 0.20 g), Y (0.032 x 0.004 g)		0.006	0.000
RSS	=	±0.046	±0.026
f) MDM quantization (add 1/2 value)		0.004	0.001
Σ	=	±0.050	±0.027
Apply mid-select (x 0.67)	=	±0.034	±0.018

2) ALIGNMENT		Normal (deg)	Lateral (deg)
a) Accel. to AA axes b) AA axes to body axes	=	±0.43	±0.43
c) Bulkhead flexure (deterministic)		0	±0.23
		±0.43°	±0.66°
Apply mid-select (x 0.67)	=	±0.288°	±0.442°

Derivation of Rate Gyro Assembly Errors
(Pitch, Yaw)

ACCURACY:

			DEG/S
a)	DC zero offset -		
		Static	= 0.10
		Vibrational	= 0.15
b)	Threshold		= 0.02
c)	Hysteresis		= 0.02
d)	Linear acceleration sensitivity (0.05°/S/g)	P	= 0.05 x 0.15 ~ 0.008
		Y	= 0.05 x 0.002 = 0.0
e)	Linearity		= 0.05
f)	Scale factor	P	= 0.051 x 0.5 = 0.026
		Y	= 0.051 x 0.1 = 0.005
g)	Noise		= 0.05
h)	Angular acceleration sensitivity (0.003 deg/s^2)		= Negligible
i)	Zero offset due to temperature variations		= 0.002 x 40 - 0.08
j)	MDM -		
		Noise	= 0.12
		bias	= 0.12
	RSS	P	= 0.273
		Y	= 0.271
k)	MDM quantization x 1/2		= 0.059
	SUM	P	= 0.332
		Y	= 0.330
	Apply mid-select factor (0.67)		= 0.222
	Average RSS of 2 SRBs ($x\sqrt{2}/2$)		= 0.157

NOTE: RGA misalignment (±0.744 deg) neglected

3σ MECO Targeting Errors (±)

NORMAL	NAV	G&C	RSS
ΔV_i (fps)	9.27	7.95	12.21
$\Delta\gamma_i$ (deg)	0.041	0.06	0.073
Δr (ft)	2016.0	1155.0	2323.0
Δi (deg)	0.103	--	0.103
AOA			
ΔV	10.21	SAME	12.94
$\Delta\gamma$	0.04	AS	0.072
Δr	3148.0	ABOVE	3353.0
Δi	0.084		0.084
RTLS			
ΔV	10.04	SAME	12.88
$\Delta\gamma$	0.038	AS	0.071
Δr	2310.0	ABOVE	2583.0

NOTES:

1) The variables are treated independently.

2) Nodal errors neglected.

APPENDIX D—COMPUTER PROGRAM FOR DISPERSION ANALYSIS

The following ASCII Fortran computer program has been written to facilitate the RSS analysis performed on the dispersed set of trajectories. Also provided via this program is a tabular listing of the time ordered dispersion as a function of the dispersion type. Output of this program has been compiled in Appendices F, G, H, and I.

```
@FTN,TS RSS,RSS
FTN 99(H2*08/20/82-01:32(,0)
            1.          PARAMETER ND=46
            2.          CHARACTER*6 IT(2),NAME(3)
            3.          CHARACTER*17 JT(5)
            4.          DIMENSION STORE(50,ND,3,2),ICT(ND,2),VAR(12),RSSP(50,31,RSSN(50,3)
            5.         *,DISP(15),TIME(50),IL(6),IU(6)
            6.          DIMENSION EXTRA(5)
            7.    C
            8.          DATA IL,IU/1,2,13,21,30,36,1,12,20,29,37,96/
            9.          DATA NRMAX/1500/
           10.          DATA IT/' POS  ',' NEG  '/
           11.          DATA NAME/' AMI  ','ALPHA ',' BETA '/
           12.          DATA JT/'PROPULSION  ','AERO/ENVIRON','MASS PROP   ','GN/C
           13.         *',' COMPOSITE  '/
           14.    C
           15.    C     TAPE 08 CONTAINS ALL DISPERSION RUNS AND THE FIRST READ IS CODED
           16.    C     TO DEFINE TYPE OF DISPERSION
           17.    C
           18.          DEFINE FILE 8(16000,13,U,IP)
           19.          LVAR=5100
           20.          LR=1580
           21.          WRITE(8'LR) VAR,LVAR
           22.          NR=1
           23.          ISTOP=0
           24.          IPL=0
           25.       10 READ(8'NR,ERR=30) VAR,IVAR
           26.          IF(IVAR.LE.0.OR.IVAR.GE.7000) GO TO 15
           27.          IF(NR.EQ.7801) GO TO 15
           28.          IF(NR.EQ.8201.OR.NR.EQ.8401) GO TO 15
           29.          ITYPE=IVAR/1000
           30.          JTYPE=(IVAR-ITYPE*1000)/10
           31.          KTYPE=IVAR-ITYPE*1000-JTYPE*10
           32.          JTYPE=IL(ITYPE+1)+JTYPE-1
           33.          K=KTYPE+1
           34.          ICT(JTYPE,K)=1
           35.          IA=0
           36.          NR=NR+IPL
           37.          GO TO 20
           38.       15 NR=NR+200
           39.          IF(NR.GE.NRMAX) GO TO 40
           40.          GO TO 10
           41.    C
           42.    C     ***************************************************************
           43.    C     ITYPE - DISPERSION TYPE
           44.    C             0, NOMINAL
           45.    C             1, PROPULSION
           46.    C             2, AERO/ENVIRONMENT
           47.    C             3, MASS PROPERTY
           48.    C             4, GN/C
           49.    C     ***************************************************************
           50.    C     JTYPE - SUBGROUPING
           51.    C       01  NOMINAL
           52.    C     ***************************************************************
           53.    C          PROP                              AERO/ENV
           54.    C       01  SRM BAT                      01  CA
           55.    C       02  SRM THR TERM MISMATCH        02  CN
```

```
C        03  SRM ISP                          03  CM
C        04  SRM THR MISMATCH                 04  CY
C        05  SRM ISP MISMATCH                 05  CNB
C        06  SRM THR MISALIGNMENT (P)        06  CL
C        07  SRM THR MISALIGNMENT (Y)        07  BASE FORCE
C        08  SSME VAC THR                     08  ATMOSPHERE
C        09  SSME VAC ISP
C        10  SSME THR MISALIGN (P)
C        11  SSME THR MISALIGN (Y)
C
C     ******************************************************************
C         MASS PROP                          GN/C
C       01  ET PROP WT                      01  ACCEL ERROR (NORMAL)
C       02  SRB PROP WT                     02  ACCEL ERROR (LATERAL)
C       03  SRB INERT WT                    03  RATE GYRO (NORMAL)
C       04  2ND STAGE INERT WT              04  RATE GYRO (LATERAL)
C       05  VEH CG (X 1ST STAGE)            05  IMU PLATFORM (PITCH)
C       06  VEH CG (Y 1ST STAGE)            06  IMU PLATFORM (YAW)
C       07  VEH CG (Z 1ST STAGE)            07  IMU PLATFORM (ROLL)
C       08  VEH CG (X 2ND STAGE)            08  RECO TARG
C       09  VEH CG (Z 2ND STAGE)
C
C     ******************************************************************
C     KTYPE - DISPERSION TYPE
C             0, POSITIVE
C             1, NEGATIVE
C
C     ******************************************************************
   20 NR=NR+1
      READ(8'NR,ERR=30) VAR,IVAR
      IF(IVAR.NE.9999) GO TO 25
      ISTOP=1
   22 NR=200*(NR/200+1)+1
      IA=IA-1
      IF(NR.GE.NRMAX) GO TO 40
      GO TO 10
   25 CONTINUE
      IA=IA+1
      IF(IA.GT.50) GO TO 22
      IF(JTYPE.EQ.1) TIME(IA)=VAR(1)
      IF(ABS(TIME(IA)-VAR(1)).LT..5) GO TO 26
      STORE(IA,JTYPE,1,K)=STORE(IA,1,1,1)
      STORE(IA,JTYPE,2,K)=STORE(IA,1,2,1)
      STORE(IA,JTYPE,3,K)=STORE(IA,1,3,1)
      GO TO 25
   26 CONTINUE
      STORE(IA,JTYPE,1,K)=VAR(4)
      STORE(IA,JTYPE,2,K)=VAR(2)
      STORE(IA,JTYPE,3,K)=VAR(3)
      GO TO 20
   30 WRITE(6,35)
   35 FORMAT(1X,' ERROR IN READING FILE 8')
      STOP
   40 IPL=IPL+50
      NDAT=37
      DO 50 I=1,IA
      DO 50 K=1,3
```

```
2      113.          RSSP(I,K)=0.
2      114.          RSSN(I,K)=0.
2      115.          DO 50 J=2,NDM1
3      116.          DS1=0.
3      117.          DS2=0.
3      118.          IF(IICT(J,1).NE.1) GO TO 45
3      119.          DS1=STORE(I,J,K,1)-STORE(I,1,K,1)
3      120.          DS12=DS1*DS1
3      121.          IF(DS1.GT.0.) RSSP(I,K)=RSSP(I,K)+DS12
3      122.          IF(DS1.LT.0.) RSSN(I,K)=RSSN(I,K)+DS12
3      123.       45 IF(IICT(J,2).NE.1) GO TO 50
3      124.          DS2=STORE(I,J,K,2)-STORE(I,1,K,1)
3      125.          DS22=DS2*DS2
3      126.          IF(DS1*DS2.GT.0.) GO TO 46
3      127.          IF(DS2.GT.0.) RSSP(I,K)=RSSP(I,K)+DS22
3      128.          IF(DS2.LT.0.) RSSN(I,K)=RSSN(I,K)+DS22
3      129.          GO TO 50
3      130.       46 IF(DS1.GT.0.) RSSP(I,K)=RSSP(I,K)-DS12
3      131.          IF(DS1.LT.0.) RSSN(I,K)=RSSN(I,K)-DS12
3      132.          DS3=AMAX1(DS12,DS22)
3      133.          IF(DS1.GT.0.) RSSP(I,K)=RSSP(I,K)+DS3
3      134.          IF(DS1.LT.0.) RSSN(I,K)=RSSN(I,K)+DS3
3      135.       50 CONTINUE
       136.          DO 60 I=1,IA
1      137.          DO 60 K=1,3
2      138.          RSSP(I,K)=SQRT(RSSP(I,K))
2      139.          RSSN(I,K)=SQRT(RSSN(I,K))
2      140.       60 CONTINUE
2      141.    C
2      142.    C     WRITE TABLE OUTPUT
2      143.    C
       144.          DO 80 L=2,6
1      145.          II=IL(L)
1      146.          JJ=IU(L)
1      147.          LM1=L-1
1      148.          DO 80 J=1,3
2      149.          DO 80 K=1,2
3      150.          DO 80 M=1,IA
4      151.          NN=0
4      152.          DO 70 N=1,JJ
5      153.          NN=NN+1
5      154.          DISP(NN)=0.
5      155.          IF(ICT(N,K).EQ.0) GO TO 70
5      156.          DISP(NN)=STORE(M,N,J,K)-STORE(M,1,J,1)
5      157.       70 CONTINUE
4      158.          IF(M.NE.1) GO TO 75
4      159.          WRITE(6,300) JJ(LM1),NAME(J),TT(K)
4      160.          WRITE(6,310) (I,I=1,NN)
4      161.          WRITE(6,315)
4      162.       75 CONTINUE
4      163.          IP=STORE(M,1,J,1)+RSSP(M,J)
4      164.          IN=STORE(M,1,J,1)-RSSN(M,J)
4      165.          WRITE(6,320) TIME(M),STORE(M,1,J,1),(DISP(I),I=1,NN),
4      166.         *RSSP(M,J),RSSN(M,J),IP,IN
4      167.       80 CONTINUE
       168.          NR=1
       169.          LVAR=3
```

```
      170.          DO 90 I=1,14
      171.          LO=LR+I
      172.          WRITE(8'LO) TIME(I),(RSSPEI,J),PSSWEI,J),J=1,3),EXTRA,LVAR
      173.       90 CONTINUE
      174.          IF(IPL.LT.200.AND.ISTOP.EQ.0) GO TO 10
      175.          LO=LR+1
      176.          LVAR=9999
      177.          WRITE(8'LO) VAR,LVAR
      178.          STOP
      179.       C
      180.      100 FORMAT(3I2-I1,I2,I1)
      181.      200 FORMAT(7E13.8)
      182.      300 FORMAT(1H1/60X,A12/115X,246)
      183.      310 FORMAT(1X,65(2H *)/1X,'TIME',7X,'ROR VAL',12(3X,I2,2X))
      184.      315 FORMAT(1X,65(2H *))
      185.      320 FORMAT(1X,F8.1,17F7.1)
      186.      330 FORMAT(1H1)
      187.          END
 *WARNING 2606 VARIABLE 'EXTRA'  IS REFERENCED BUT IS NEVER ASSIGNED A VALUE

END FTN 1 WARNINGS 559 PBANK 14597 BBANK
```

APPENDIX E—COMPUTER FILE INPUT/OUTPUT REQUIREMENTS

Two resident files associated with Mission 1 and Mission 3A are provided on the MSFC Univac computer system. These files are direct access files which contain time ordered data associated with all trajectories which have been simulated in this study. This appendix has been written to aid the future use of these files by defining their input/output requirements.

The structure of each file is the same for both missions and therefore the input/output requirements can be treated in a generic fashion. A file is made up of 16,000 records and each record consists of 13 words. In a Fortran program, the programmer must have the following statement before any executable statements:

'DEFINE FILE N(16000,13,U,IP)'

The letter N is given a numerical value depending on the programmer's choice of file numbers. This file will be identified by proper control cards to assign the chosen numerical value to the stored file. The 16000 and 13 refer to the number of elements and words per element, respectively. The Univac programmer's manual should be consulted for the additional parameters on this statement.

The Fortran read statement for this file is the following:

'READ(N'NR)VAR,IVAR'

where

N - file number
NR - number of requested record (1 to 16000)
VAR - a storage array consisting of 12 parameters:
(1) - time from liftoff (s)
(2) - angle of attack (α) (deg)
(3) - sideslip angle (β) (deg)
(4) - aerodynamic heating indicator (BTU)
(5) - dynamic pressure (lb/ft^2)

(6) - altitude (ft)

(7) - earth relative velocity (ft/s)

(8) - airspeed (ft/s)

(9) - radius from the earth's center (ft)

(10) - inertial velocity (ft/s)

(11) - inertial flight path angle (γ) (deg)

(12) - Mach number

IVAR - multipurpose variable flag used to specify the contents of the records. Table E-1 identifies the way the variable is used.

All trajectory cases are stored within a maximum of 200 records and therefore the start of each trajectory will begin at some multiple of 200 plus 1. The normal mode of reading this data is to interrogate the starting record which indicates by the value of IVAR the type of trajectory and continuing reading sequential records until the value of IVAR is equal to 9999 (which specifies the end of the trajectory data).

The only data on the file that do not correspond to the above definition of the VAR array are associated with IVAR = 5100. In this case, the VAR array is defined in the following manner:

VAR(1) - time from liftoff (s)

(2) - positive RSS dispersion for aerodynamic heating indicator

(3) - negative RSS dispersion for aerodynamic heating indicator (value is positive in sign)

(4) - positive RSS dispersion for angle of attack

(5) - negative RSS dispersion for angle of attack

(6) - positive RSS dispersion for sideslip angle

(7) - negative RSS dispersion for sideslip angle

(8) to (12) - (not used)

Table E-1. Interpretation of IVAR Variables

0000		VAR contains data
9999		Terminal point has been reached for this trajectory
---0		Positive dispersion (the parameter is perturbed in a positive sense)
---1		Negative dispersion (the parameter is perturbed in a negative sense)
0010		The following data are the nominal trajectory
1---		The following data are related to propulsion dispersion parameters
	101_	SRB with action time
	102_	SRM terminal thrust mismatch
	103_	SRM specific impulse
	104_	SRM steady state thrust mismatch
	105_	SRM steady state specific impulse mismatch
	106_	SRM thrust misalignment (pitch)
	107_	SRM thrust misalignment (yaw)
	108_	SSMR vacuum thrust
	109_	SSME vacuum specific impulse
	110_	SSME thrust misalignment (pitch)
	111_	SSME thrust misalignment (yaw)
2---		The following data are related to aero/environment dispersion parameters
	201_	Axial force coefficient
	202_	Normal force coefficient
	203_	Pitch moment coefficient
	204_	Side force coefficient

Table E-1. Interpretation of IVAR Variables (Continued)

	205_	Yaw moment coefficient
	206_	Roll moment coefficient
	207_	Base force
	208_	Atmosphere (hot 2080, cold 2081)
3___		The following data are related to mass properties dispersion parameters
	301_	External tank propellant weight
	302_	SRB propellant weight
	303_	SRB inert weight
	304_	Second stage inert weight
	305_	First stage longitudinal center of gravity
	306_	First stage lateral center of gravity
	307_	First stage normal center of gravity
	308_	Second stage longitudinal center of gravity
	309_	Second stage normal center of gravity
4___		The following data are related to GN&C dispersion parameters
	401_	Accelerator error (pitch)
	402_	Accelerator error (yaw)
	403_	Rate gryo (pitch)
	404_	Rate gyro (yaw)
	405_	Inertial measurement unit (IMU) platform error (pitch)
	406_	IMU platform error (yaw)
	407_	IMU platform error (roll)
	408_	MECO targeting

Table E-1. Interpretation of IVAR variables (Concluded)

5___		The following data are related to the composite and wind related trajectories
	501_	Composite
	502_	Composite plus head wind
	503_	Composite plus right quartering head wind
	504_	Composite plus right cross wind
	505_	Composite plus right quartering tail wind
	506_	Composite plus tail wind
	507_	Composite plus left quartering tail wind
	508_	Composite plus left cross wind
	509_	Composite plus left quartering head wind
	5100	The following data are time ordered RSS values for positive and negative dispersions of aerodynamic heating indicator, angle of attack, and sideslip angle

(Reverse Blank)

APPENDIX F—MISSION 1 DISPERSION ANALYSIS TABULAR DATA

PROPULSION

TIME	NOR VAL	1	2	3	4	5	6	7	8	9	10	11	AHI	POS
50.0	1.6	-.3	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	-.5	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	-.6	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	-.6	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	-.6	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.0	1.1	4.2	2.0
62.0	3.4	-.7	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	-.7	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	-.8	.0	.1	.4	.0	-.0	-.0	.0	.0	.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	-.8	.0	.1	.4	.0	-.0	-.0	.0	.0	.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	-.9	.0	.1	.4	.0	-.0	-.0	.1	.0	.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	-1.0	.0	.1	.5	.0	-.0	-.0	.1	.0	.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	-1.1	.0	.1	.5	.0	-.0	-.0	.1	.0	.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	-1.2	.0	.2	.5	.0	-.0	-.1	.1	.0	.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	-1.3	.0	.2	.6	.0	-.0	-.1	.1	.0	.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	-1.4	.0	.2	.6	.0	-.0	-.1	.1	.0	.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	-1.6	.0	.2	.7	.0	-.0	-.1	.1	.0	.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	-1.7	.0	.2	.8	.0	-.0	-.1	.1	.0	.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	-1.9	.0	.2	.8	.0	-.0	-.1	.1	.0	.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	-2.1	.0	.3	.9	.0	-.0	-.1	.1	.0	.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	-2.3	.0	.3	1.0	.0	-.1	-.1	.1	.0	.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	-2.6	.0	.3	1.1	.0	-.1	-.1	.1	.0	.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	-2.8	.0	.4	1.2	.0	-.1	-.1	.2	.0	.0	-.0	4.4	3.3	14.8	7.1
79.0	11.4	-3.1	.0	.4	1.3	.0	-.1	-.1	.2	.0	.0	-.0	4.8	3.7	16.2	7.7
80.0	12.4	-3.4	.0	.4	1.4	.0	-.1	-.1	.2	.0	.0	-.0	5.2	4.0	17.6	8.4
81.0	13.5	-3.8	.0	.4	1.5	.0	-.1	-.1	.2	.0	.0	-.0	5.6	4.4	19.1	9.1
82.0	14.7	-4.1	.0	.5	1.6	.0	-.1	-.1	.2	-.0	.0	-.0	6.1	4.8	20.8	9.9
83.0	16.0	-4.5	.0	.5	1.7	.0	-.1	-.2	.2	-.0	.0	-.0	6.5	5.2	22.5	10.8
84.0	17.4	-4.9	.0	.6	1.9	.0	-.1	-.2	.3	-.0	.0	-.0	6.9	5.6	24.4	11.8
85.0	18.9	-5.2	.0	.6	2.0	.0	-.1	-.2	.3	-.0	.0	-.0	7.4	6.0	26.3	12.9
86.0	20.5	-5.6	.0	.6	2.1	.0	-.1	-.2	.3	-.0	.0	-.0	7.8	6.5	28.3	14.1
87.0	22.2	-5.9	.0	.7	2.2	.0	-.1	-.2	.3	-.0	.0	-.0	8.2	6.9	30.5	15.3
88.0	24.0	-6.3	.0	.7	2.3	.0	-.1	-.2	.3	-.0	.0	-.0	8.7	7.3	32.7	16.7
89.0	25.9	-6.7	.0	.7	2.4	.0	-.1	-.2	.3	-.0	.0	-.0	9.1	7.8	35.0	18.1
90.0	27.9	-7.0	.0	.8	2.6	.0	-.1	-.3	.4	-.0	.0	-.0	9.6	8.2	37.4	19.6
91.0	29.9	-7.4	.0	.8	2.7	.0	-.1	-.3	.4	-.0	.0	-.0	10.0	8.7	39.9	21.2
92.0	32.1	-7.7	.0	.8	2.8	.0	-.1	-.3	.4	-.0	.0	-.0	10.5	9.1	42.5	22.9
93.0	34.3	-8.0	.0	.8	2.9	.0	-.1	-.3	.4	-.0	.0	-.0	10.9	9.6	45.2	24.7
94.0	36.6	-8.4	.0	.9	3.0	.0	-.1	-.3	.5	-.0	-.0	-.0	11.4	10.1	47.9	26.5
95.0	38.9	-8.7	.0	.9	3.1	.0	-.1	-.3	.5	-.0	-.0	-.0	11.8	10.5	50.7	28.4
96.0	41.4	-9.0	.0	.9	3.2	.0	-.1	-.4	.5	-.0	-.0	-.0	12.2	11.0	53.6	30.4
97.0	43.9	-9.3	.0	1.0	3.3	.0	-.1	-.4	.5	-.0	-.0	-.0	12.7	11.5	56.6	32.4
98.0	46.5	-9.6	.0	1.0	3.4	.0	-.1	-.4	.5	-.0	-.1	-.0	13.1	12.0	59.6	34.5
99.0	49.1	-9.9	.0	1.0	3.4	.0	-.1	-.4	.5	-.0	-.1	-.0	13.6	12.4	62.7	36.7

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	AHI	NEG		
50.0	1.6	.4	.0	-.0	-.1	-.0	.0	.0	-.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	.5	.0	-.1	-.1	-.1	.0	.0	-.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	.5	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	.5	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	.5	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	.6	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	.6	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	.6	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	.7	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	.7	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	.8	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	.8	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	1.1	1.2	4.3	2.0
62.0	3.4	.9	.0	-.1	-.3	-.1	.0	.0	-.0	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	1.0	.0	-.1	-.3	-.1	.0	.0	-.0	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	1.0	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	1.1	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	1.3	.0	-.1	-.3	-.1	.0	.0	-.1	.0	-.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	1.4	.0	-.1	-.4	-.2	.0	.0	-.1	.0	-.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	1.5	.0	-.1	-.4	-.2	.0	.0	-.1	.0	-.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	1.7	.0	-.2	-.4	-.2	.0	.0	-.1	.0	-.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	1.9	.0	-.2	-.5	-.2	.0	.0	-.1	.0	-.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	2.0	.0	-.2	-.5	-.2	.0	.0	-.1	.0	-.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	2.3	.0	-.2	-.6	-.2	.0	.0	-.1	.0	-.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	2.5	.0	-.2	-.6	-.3	.0	.0	-.1	.0	-.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	2.8	.0	-.2	-.7	-.3	.1	.0	-.1	.0	-.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	3.0	.0	-.3	-.8	-.3	.1	.0	-.1	.0	-.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	3.3	.0	-.3	-.8	-.3	.1	.0	-.1	.0	-.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	3.7	.0	-.3	-.9	-.4	.1	.0	-.1	.0	-.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	4.0	.0	-.3	-1.0	-.4	.1	.0	-.2	.0	-.0	.0	4.4	3.3	14.8	7.1
79.0	11.4	4.4	.0	-.4	-1.1	-.4	.1	.0	-.2	.0	-.0	.0	4.8	3.7	16.2	7.7
80.0	12.4	4.8	.0	-.4	-1.2	-.5	.1	.0	-.2	.0	-.0	.0	5.2	4.0	17.6	8.4
81.0	13.5	5.2	.0	-.4	-1.3	-.5	.1	.0	-.2	.0	-.0	.0	5.6	4.4	19.1	9.1
82.0	14.7	5.6	.0	-.5	-1.4	-.5	.1	.0	-.2	.0	-.0	.0	6.1	4.8	20.8	9.9
83.0	16.0	5.9	.0	-.5	-1.5	-.6	.1	.0	-.2	.0	-.0	.0	6.5	5.2	22.5	10.8
84.0	17.4	6.3	.0	-.5	-1.6	-.6	.1	.0	-.3	.0	-.0	.0	6.9	5.6	24.4	11.8
85.0	18.9	6.7	.0	-.6	-1.7	-.6	.1	.0	-.3	.0	-.0	.0	7.4	6.0	26.3	12.9
86.0	20.5	7.1	.0	-.6	-1.9	-.7	.1	.0	-.3	.0	-.0	.0	7.8	6.5	28.3	14.1
87.0	22.2	7.4	.0	-.7	-2.0	-.7	.1	.0	-.3	.0	-.0	.0	8.2	6.9	30.5	15.3
88.0	24.0	7.8	.0	-.7	-2.1	-.7	.1	.0	-.3	.0	-.0	.0	8.7	7.3	32.7	16.7
89.0	25.9	8.1	.0	-.7	-2.2	-.8	.1	.0	-.3	-.0	-.0	.0	9.1	7.8	35.0	18.1
90.0	27.9	8.5	.0	-.8	-2.3	-.8	.1	.0	-.4	.0	-.0	.0	9.6	8.2	37.4	19.6
91.0	29.9	8.8	.0	-.8	-2.4	-.9	.1	.0	-.4	.0	.0	.0	10.0	8.7	39.9	21.2
92.0	32.1	9.2	.0	-.8	-2.5	-.9	.2	.0	-.4	.0	.0	.0	10.5	9.1	42.5	22.9
93.0	34.3	9.5	.0	-.8	-2.6	-.9	.2	.0	-.4	.0	.0	.0	10.9	9.6	45.2	24.7
94.0	36.6	9.8	.0	-.9	-2.7	-1.0	.2	.0	-.4	.0	.0	.0	11.4	10.1	47.9	26.5
95.0	38.9	10.1	.0	-.9	-2.8	-1.0	.2	.0	-.5	.0	.0	.0	11.8	10.5	50.7	28.4
96.0	41.4	10.3	.0	-1.0	-2.9	-1.0	.2	.0	-.5	.0	.0	.0	12.2	11.0	53.6	30.4
97.0	43.9	10.6	.0	-1.0	-3.0	-1.1	.2	.0	-.5	.0	.0	.0	12.7	11.5	56.6	32.4
98.0	46.5	10.8	.0	-1.0	-3.0	-1.1	.2	.0	-.5	.0	.1	.0	13.1	12.0	59.6	34.5
99.0	49.1	11.0	.0	-1.0	-3.1	-1.2	.2	.0	-.5	.0	.1	.0	13.6	12.4	62.7	36.7

PROPULSION

TIME	NOR VEL	1	2	3	4	5	6	7	8	9	10	11	AHI	POS		
100.0	51.8	-10.1	.6	1.0	3.5	.0	-.1	-.4	.5	-.0	-.1	-.0	14.0	12.9	65.8	38.9
101.0	54.5	-10.3	.0	1.0	3.6	.0	-.1	-.5	.5	-.0	-.1	-.0	14.4	13.3	69.0	41.2
102.0	57.3	-10.6	.0	1.0	3.6	.0	-.1	-.5	.6	-.0	-.1	-.0	14.9	13.8	72.2	43.5
103.0	60.1	-10.8	.0	1.1	3.7	.0	-.1	-.5	.6	-.0	-.1	-.0	15.4	14.2	75.5	45.9
104.0	63.0	-11.0	.0	1.1	3.7	.0	-.1	-.5	.6	-.0	-.1	-.0	15.8	14.7	78.8	48.3
105.0	65.9	-11.1	.0	1.1	3.8	.0	-.1	-.5	.6	-.1	-.2	-.0	16.3	15.1	82.2	50.7
106.0	68.8	-11.3	.0	1.1	3.8	.0	-.1	-.6	.6	-.1	-.2	-.0	16.8	15.6	85.6	53.2
107.0	71.8	-11.5	.0	1.1	3.8	.0	-.1	-.6	.6	-.1	-.2	-.0	17.3	16.1	89.1	55.8
108.0	74.8	-11.6	.0	1.1	3.9	.0	-.1	-.6	.6	-.1	-.2	-.1	17.8	16.5	92.6	58.3
109.0	77.9	-11.8	.0	1.2	3.9	.0	-.1	-.6	.7	-.1	-.3	-.1	18.3	17.0	96.2	60.9
110.0	81.0	-11.9	.0	1.2	3.9	.0	-.1	-.7	.7	-.1	-.3	-.1	18.8	17.5	99.7	63.5
111.0	84.1	-12.0	.0	1.2	3.9	.0	-.1	-.7	.7	-.1	-.3	-.1	19.2	18.0	103.3	66.1
112.0	87.2	-12.1	.0	1.2	3.9	.0	-.1	-.7	.7	-.1	-.4	-.1	19.7	18.5	106.9	68.7
113.0	90.4	-12.2	.0	1.2	3.9	.0	-.1	-.7	.7	-.1	-.4	-.1	20.1	19.0	110.4	71.3
114.0	93.5	-12.3	.0	1.2	3.9	.0	-.1	-.8	.7	-.1	-.4	-.1	20.4	19.5	114.0	74.0
115.0	96.7	-12.3	.0	1.2	3.9	.0	-.1	-.8	.7	-.1	-.5	-.1	20.8	20.0	117.5	76.7
116.0	99.8	-12.3	.0	1.2	3.9	.0	-.1	-.8	.7	-.1	-.5	-.1	21.1	20.5	120.9	79.3
117.0	102.8	12.2	.1	1.2	3.9	.0	-.1	-.8	.8	-.1	-.5	-.1	21.5	20.9	124.3	82.0
118.0	105.8	-11.9	.1	1.2	3.9	.0	-.1	-.9	.8	-.1	-.6	-.1	21.8	21.2	127.6	84.6
119.0	108.7	-11.6	.2	1.2	3.9	.0	-.1	-.9	.8	-.1	-.6	-.1	22.2	21.6	130.9	87.1
120.0	111.5	-11.1	.3	1.2	3.8	.0	-.1	-.9	.8	-.1	-.7	-.1	22.6	21.9	134.1	89.6
121.0	114.2	-10.9	.3	1.2	3.8	.0	-.0	-.9	.8	-.1	-.7	-.1	23.0	22.2	137.2	92.1
122.0	116.9	10.4	.4	1.2	3.8	.0	-.0	-1.0	.8	-.1	-.7	-.1	23.4	22.5	140.3	94.4
123.0	119.4	-10.0	.5	1.2	3.8	.0	-.0	-1.0	.8	-.1	-.8	-.1	23.9	22.8	143.3	96.6
124.0	121.9	-9.6	.6	1.2	3.7	.0	.0	-1.0	.8	-.1	-.8	-.1	24.3	23.1	146.2	98.8
125.0	124.3	-9.1	.6	1.2	3.7	.0	.0	-1.0	.8	-.1	-.9	-.1	24.8	23.4	149.0	100.9
126.0	126.6	-8.7	.7	1.2	3.7	.0	.0	-1.0	.8	-.1	-.9	-.1	25.2	23.7	151.8	102.9
127.0	128.8	-8.2	.8	1.2	3.7	.0	.1	-1.1	.9	-.1	-.9	-.1	25.7	24.0	154.5	104.7
128.0	130.9	-7.8	.8	1.2	3.7	.0	.1	-1.1	.9	-.1	-1.0	-.1	26.1	24.4	157.1	106.6
129.0	133.0	-7.4	.9	1.2	3.7	.0	.1	-1.1	.9	-.1	-1.0	-.1	26.6	24.7	159.6	108.3
130.0	135.0	-7.0	.9	1.2	3.6	.0	.1	-1.1	.9	-.1	-1.1	-.1	27.1	25.1	162.1	110.0
131.0	137.0	-6.6	1.0	1.2	3.6	.0	.1	-1.1	.9	-.1	-1.1	-.1	27.6	25.4	164.6	111.6
132.0	138.9	6.2	1.0	1.2	3.6	.0	.1	-1.2	.9	-.1	-1.2	-.1	28.1	25.8	167.0	113.1
133.0	140.8	5.9	1.1	1.2	3.6	.0	.1	-1.2	.9	-.1	-1.2	-.1	28.5	26.2	169.3	114.6
134.0	142.6	-5.6	1.2	1.2	3.6	.0	.2	-1.2	.9	-.1	-1.2	-.1	29.0	26.6	171.6	116.0
135.0	144.4	-5.3	1.2	1.2	3.6	.0	.2	-1.2	.9	-.1	-1.3	-.1	29.4	27.0	173.8	117.4
145.0	159.9	-2.7	1.6	1.1	3.4	.0	.3	-1.4	1.0	-.2	-1.8	-.1	34.1	31.0	194.0	128.9
155.0	172.3	-.5	2.0	1.1	3.2	.0	.5	-1.5	1.1	-.2	-2.3	-.1	38.5	34.8	210.8	137.5
165.0	182.7	1.2	2.3	1.0	3.0	.0	.7	-1.6	1.2	-.2	-2.7	-.1	42.6	38.6	225.2	144.1
175.0	191.3	2.9	2.5	.9	2.7	.0	.9	-1.8	1.3	-.2	-3.2	-.1	46.6	42.2	237.9	149.0
185.0	198.2	4.6	2.6	.8	2.3	.0	1.1	-1.9	1.3	-.2	-3.7	-.1	50.5	45.6	248.7	152.7
195.0	203.9	6.0	2.7	.7	2.0	.0	1.3	-2.0	1.3	-.3	-4.1	-.1	54.0	48.5	257.9	155.4
205.0	208.4	7.4	2.8	.6	1.6	.0	1.5	-2.1	1.3	-.3	-4.5	-.1	57.3	51.1	265.7	157.3
215.0	212.1	8.5	2.9	.4	1.3	.0	1.7	-2.1	1.3	-.3	-4.9	-.1	60.1	53.2	272.2	158.9
225.0	215.0	9.5	2.9	.4	1.0	.0	1.8	-2.2	1.3	-.3	-5.2	-.1	62.6	54.8	277.5	160.2
235.0	217.4	10.2	3.0	.3	.8	.0	1.9	-2.3	1.3	-.3	-5.4	-.1	64.5	56.1	282.0	161.3
245.0	219.6	10.8	3.0	.2	.6	.0	2.1	-2.3	1.3	-.3	-5.6	-.1	66.2	57.3	285.7	162.3
255.1	221.4	11.3	3.0	.2	.5	.0	2.2	-2.4	1.3	-.3	-5.8	-.1	67.6	58.2	289.0	163.2
265.0	223.0	11.7	3.0	.1	.4	.0	2.2	-2.4	1.3	-.3	-5.9	-.1	68.7	59.0	291.7	164.1
275.0	224.5	12.0	3.0	.1	.3	.0	2.3	-2.4	1.3	-.3	-6.1	-.1	69.7	59.7	294.2	164.8

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	AHI		NEG
100.0	51.8	11.2	.0	-1.0	-3.2	-1.2	.2	.0	-.5	.0	.1	.0	14.0	12.9	65.8	38.9	
101.0	54.5	11.4	.0	-1.1	-3.2	-1.2	.2	.0	-.5	.0	.1	.0	14.4	13.3	69.0	41.2	
102.0	57.3	11.6	.0	-1.1	-3.3	-1.3	.2	.0	-.6	.0	.1	.0	14.9	13.8	72.2	43.5	
103.0	60.1	11.7	.0	-1.1	-3.3	-1.3	.2	.0	-.6	.0	.1	.0	15.4	14.2	75.5	45.9	
104.0	63.0	11.9	.0	-1.1	-3.3	-1.3	.2	.0	-.6	.0	.2	.0	15.8	14.7	78.8	48.3	
105.0	65.9	12.1	.0	-1.1	-3.4	-1.4	.2	.0	-.6	.1	.2	.0	16.3	15.1	82.2	50.7	
106.0	68.8	12.2	.0	-1.2	-3.4	-1.4	.2	.0	-.6	.1	.2	.0	16.8	15.6	85.6	53.2	
107.0	71.8	12.3	.0	-1.2	-3.4	-1.4	.3	.0	-.6	.1	.2	.0	17.3	16.1	89.1	55.8	
108.0	74.8	12.5	.0	-1.2	-3.5	-1.4	.3	.0	-.7	.1	.3	.0	17.8	16.5	92.6	58.3	
109.0	77.9	12.5	.0	-1.2	-3.5	-1.5	.3	.0	-.7	.1	.3	.0	18.3	17.0	96.2	60.9	
110.0	81.0	12.6	.0	-1.2	-3.5	-1.5	.3	.0	-.7	.1	.3	.0	18.8	17.5	99.7	63.5	
111.0	84.1	12.6	.0	-1.2	-3.5	-1.5	.3	.0	-.7	.1	.4	.0	19.2	18.0	103.3	66.1	
112.0	87.2	12.6	.0	-1.2	-3.5	-1.5	.3	.0	-.7	.1	.4	.0	19.7	18.5	106.9	68.7	
113.0	90.4	12.6	.0	-1.3	-3.5	-1.6	.3	.0	-.7	.1	.4	.0	20.1	19.0	110.4	71.3	
114.0	93.5	12.1	.6	-1.3	-3.5	-1.6	.3	.0	-.7	.1	.5	.0	20.4	19.5	114.0	74.0	
115.0	96.7	11.8	.0	-1.3	-3.5	-1.6	.3	.0	-.8	.1	.5	.0	20.8	20.0	117.5	76.7	
116.0	99.8	11.4	.0	-1.3	-3.5	-1.6	.3	.0	-.8	.1	.5	.0	21.1	20.5	120.9	79.3	
117.0	102.8	10.9	.1	-1.3	-3.4	-1.6	.3	.0	-.8	.1	.6	.0	21.5	20.9	124.3	82.0	
118.0	105.8	10.5	.2	-1.3	-3.4	-1.6	.3	.0	-.8	.1	.6	.0	21.8	21.2	127.6	84.6	
119.0	108.7	10.1	.2	-1.3	-3.4	-1.6	.3	.0	-.8	.1	.6	.0	22.2	21.6	130.9	87.1	
120.0	111.5	9.6	.3	-1.3	-3.3	-1.7	.3	.0	-.8	.1	.7	.0	22.6	21.9	134.1	89.6	
121.0	114.2	9.2	.4	-1.3	-3.3	-1.7	.2	.0	-.8	.1	.7	.0	23.0	22.2	137.2	92.1	
122.0	116.9	8.7	.4	-1.3	-3.3	-1.7	.2	.0	-.8	.1	.8	.0	23.4	22.5	140.3	94.4	
123.0	119.4	8.3	.5	-1.3	-3.3	-1.7	.2	.0	-.8	.1	.8	.0	23.9	22.8	143.3	96.6	
124.0	121.9	7.9	.6	-1.3	-3.2	-1.7	.2	.0	-.9	.1	.9	.0	24.3	23.1	146.2	98.8	
125.0	124.3	7.5	.6	-1.3	-3.2	-1.7	.2	.0	-.9	.1	.9	.0	24.8	23.4	149.0	100.9	
126.0	126.6	7.1	.7	-1.3	-3.2	-1.7	.2	.0	-.9	.1	.9	.0	25.2	23.7	151.8	102.9	
127.0	128.8	6.7	.8	-1.3	-3.2	-1.7	.2	.0	-.9	.1	1.0	.0	25.7	24.0	154.5	104.7	
128.0	130.9	6.4	.8	-1.3	-3.1	-1.7	.2	.0	-.9	.1	1.0	.0	26.1	24.4	157.1	106.6	
129.0	133.0	6.1	.9	-1.3	-3.1	-1.7	.2	.0	-.9	.1	1.1	.0	26.6	24.7	159.6	108.3	
130.0	135.0	5.8	.9	-1.3	-3.1	-1.7	.2	.0	-.9	.1	1.1	.0	27.1	25.1	162.1	110.0	
131.0	137.0	5.5	1.0	-1.3	-3.1	-1.7	.2	.0	-.9	.1	1.2	.0	27.6	25.4	164.6	111.6	
132.0	138.9	5.2	1.1	-1.3	-3.1	-1.7	.2	.0	-.9	.1	1.2	.0	28.1	25.8	167.0	113.1	
133.0	140.8	5.0	1.1	-1.3	-3.0	-1.8	.1	.0	1.0	.1	1.3	.0	28.5	26.2	169.3	114.6	
134.0	142.6	4.7	1.2	-1.3	-3.0	-1.8	.1	.0	-1.0	.1	1.3	.0	29.0	26.6	171.6	116.0	
135.0	144.4	4.4	1.2	-1.3	-3.0	-1.8	.1	.0	-1.0	.1	1.4	.0	29.4	27.0	173.8	117.4	
145.0	155.9	2.0	1.7	-1.3	-2.8	-1.8	.0	.0	-1.1	.2	1.8	.0	34.1	31.0	194.0	128.9	
155.0	172.3	.2	2.0	-1.7	-2.6	-1.9	-.1	.0	-1.2	.2	2.3	.0	38.5	34.8	210.8	137.5	
165.0	182.7	-1.4	2.3	-1.2	-2.4	-1.9	-.3	.0	-1.3	.2	2.8	.0	42.6	38.6	225.2	144.1	
175.0	193.3	-3.1	2.5	-1.2	-2.1	-1.8	-.4	.0	-1.3	.2	3.3	.0	46.6	42.2	237.9	149.0	
185.0	198.2	-4.5	2.6	-1.1	-1.7	-1.7	-.6	.0	-1.4	.2	3.8	.0	50.5	45.6	248.7	152.7	
195.0	203.9	-5.7	2.8	-1.0	-1.4	-1.7	-.7	.0	-1.4	.3	4.2	.0	54.0	48.5	257.9	155.4	
205.0	208.4	-6.8	2.8	-.8	-1.0	-1.6	-.8	.0	-1.4	.3	4.6	.0	57.3	51.1	265.7	157.3	
215.0	212.1	-7.7	2.9	-.7	-.7	-1.5	-1.0	.0	-1.4	.3	5.0	.0	60.1	53.2	272.2	158.9	
225.0	215.0	-8.4	3.0	-.6	-.4	-1.4	-1.1	.0	-1.4	.3	5.3	.0	62.6	54.8	277.5	160.2	
235.0	217.4	-9.0	3.0	-.5	-.1	-1.3	-1.2	.0	-1.4	.3	5.6	.0	64.5	56.1	282.0	161.3	
245.0	219.4	-9.4	3.0	-.5	.1	-1.2	-1.3	.0	-1.4	.3	5.8	.0	66.2	57.3	285.7	162.3	
255.0	221.4	-9.8	3.1	-.5	.2	-1.2	-1.4	.0	-1.4	.3	6.0	.0	67.6	58.2	289.0	163.2	
265.0	223.0	-10.1	3.1	-.4	.4	-1.1	-1.4	.0	-1.4	.3	6.2	.0	68.7	59.0	291.7	164.1	
275.0	224.5	-10.3	3.1	-.4	.5	-1.1	-1.5	.0	-1.4	.4	6.3	.0	69.7	59.7	294.2	164.8	

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11			AHT	POS
295.0	225.9	12.5	3.1	.1	.2	.0	2.4	-2.5	1.3	-.3	-6.2	-.0	70.6	60.3	296.4	165.6
305.0	227.2	12.6	3.1	.0	.1	.0	2.5	-2.5	1.4	-.4	-6.3	-.0	71.4	60.8	298.6	166.3
315.0	228.4	12.8	3.1	.0	.1	.0	2.5	-2.5	1.4	-.4	-6.4	-.0	72.2	61.4	300.6	167.1
325.0	229.7	13.0	3.1	-.0	.0	.0	2.6	-2.5	1.4	-.4	-6.5	-.0	72.9	61.9	302.6	167.8
335.0	231.0	13.2	3.1	-.0	-.1	.0	2.6	-2.6	1.4	-.4	-6.6	-.0	73.6	62.4	304.6	168.6
345.0	232.4	13.4	3.1	-.1	-.1	.0	2.7	-2.6	1.5	-.4	-6.7	-.0	74.3	62.9	306.6	169.5
355.0	233.8	13.6	3.2	-.1	-.2	.0	2.8	-2.6	1.5	-.4	-6.8	-.0	74.9	63.5	308.8	170.3
365.0	235.4	13.8	3.2	-.1	-.2	.0	2.8	-2.6	1.6	-.4	-6.9	-.0	75.6	64.1	311.0	171.3
375.0	237.0	13.9	3.2	-.1	-.3	.0	2.9	-2.7	1.6	-.4	-7.0	-.0	76.4	64.7	313.4	172.4
385.0	238.9	14.1	3.2	-.1	-.4	.0	3.0	-2.7	1.7	-.5	-7.2	-.0	77.2	65.3	316.0	173.6
395.0	240.9	14.3	3.3	-.2	-.5	.0	3.0	-2.7	1.8	-.5	-7.3	-.0	78.0	66.0	318.9	174.9
405.0	243.1	14.5	3.3	-.2	-.5	.0	3.1	-2.8	1.9	-.5	-7.4	-.0	78.9	66.8	322.1	176.5
415.0	245.9	14.7	3.3	-.2	-.6	-.0	3.2	-2.8	2.0	-.5	-7.6	-.0	79.8	67.6	325.7	178.3
425.0	248.9	14.9	3.4	-.2	-.7	.0	3.3	-2.8	2.2	-.6	-7.8	-.0	80.8	68.5	329.7	180.4
435.0	252.4	15.1	3.4	-.2	-.7	.0	3.4	-2.9	2.5	-.6	-7.9	-.0	81.9	69.4	334.2	182.9
445.0	256.4	15.3	3.5	-.3	-.8	.0	3.5	-2.9	2.7	-.7	-8.1	-.0	83.0	70.4	339.4	186.0
455.0	261.1	15.5	3.5	-.3	-.8	.0	3.6	-3.0	3.1	-.8	-8.3	-.0	84.3	71.5	345.4	189.6
465.0	266.6	15.7	3.6	-.3	-.8	.0	3.7	-3.0	3.5	-.9	-8.5	-.0	85.7	72.6	352.3	193.9
475.0	273.1	15.8	3.7	-.3	-.9	.0	3.8	-3.1	4.0	-1.0	-8.8	-.0	87.3	73.9	360.3	199.1
485.0	280.7	16.0	3.9	-.2	-.9	.0	4.0	-3.2	4.7	-1.1	-9.0	-.0	88.9	75.3	369.6	205.4
495.0	289.9	16.1	4.0	-.2	-.8	.0	4.1	-3.2	5.6	-1.3	-9.3	.0	90.6	76.9	380.5	213.0
505.0	300.7	16.1	4.2	-.1	-.8	.0	4.2	-3.3	6.6	-1.6	-9.6	.0	92.4	78.5	393.1	222.2
515.0	313.6	16.0	4.4	-.1	-.7	.0	4.4	-3.4	7.8	-1.8	-9.9	.0	94.3	80.2	407.8	233.3
525.0	326.8	15.7	.7	.1	-.5	.0	4.5	-3.4	9.3	-2.2	-10.2	.0	96.1	82.0	424.9	246.8
535.0	340.7	15.3	5.0	.2	-.2	.0	4.6	-3.5	11.0	-2.6	-10.5	.0	97.8	83.7	444.5	263.0
545.0	354.6	14.7	5.4	.4	.1	.0	4.6	-3.6	13.0	-3.0	-10.7	.0	99.2	85.4	466.8	282.2
555.0	367.6	13.8	5.8	.7	.5	.0	4.7	-3.6	15.0	-3.5	-10.9	.0	100.4	86.8	492.0	304.8
565.0	379.2	12.8	6.2	.9	1.0	.0	4.7	-3.7	17.2	-4.1	-11.0	.0	101.5	88.0	520.3	330.8
	389.2	11.5	6.6	1.2	1.4	.0	4.7	-3.7	19.2	-4.7	-11.1	.0	102.2	89.1	551.5	360.1

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11			AHI	NEG
285.0	225.9	-10.6	3.1	-.4	.6	-1.1	-1.5	.0	-1.4	.4	6.4	.0	70.6	60.3	296.4	165.6
295.0	227.2	-10.8	3.1	-.3	.7	-1.0	-1.6	.0	-1.5	.4	6.6	.0	71.4	60.8	298.6	166.3
305.0	228.4	-10.9	3.1	-.3	.7	-1.0	-1.6	.0	-1.5	.4	6.7	.0	72.2	61.4	300.6	167.1
315.0	229.7	-11.1	3.2	-.3	.8	-1.0	-1.7	.0	-1.5	.4	6.8	.0	72.9	61.9	302.6	167.8
325.0	231.0	-11.3	3.2	-.3	.9	-1.0	-1.7	.0	-1.5	.4	6.9	.0	73.6	62.4	304.6	168.6
335.0	232.4	-11.4	3.2	-.3	.9	-1.0	-1.8	.0	-1.6	.4	7.0	.0	74.3	62.9	306.6	169.5
345.0	233.8	-11.6	3.2	-.3	1.0	-.9	-1.8	.0	-1.6	.4	7.1	.0	74.9	63.5	308.8	170.3
355.0	235.4	-11.8	3.2	-.2	1.0	-.9	-1.9	.0	-1.7	.4	7.2	.0	75.6	64.1	311.0	171.3
365.0	237.0	-12.0	3.3	-.2	1.1	-.9	-1.9	.0	-1.7	.5	7.3	.0	76.4	64.7	313.4	172.4
375.0	238.9	-12.1	3.3	-.2	1.2	-.9	-2.0	.0	-1.8	.5	7.4	.0	77.2	65.3	316.0	173.6
385.0	240.9	-12.3	3.3	-.2	1.2	-.9	-2.0	.0	-1.9	.5	7.6	.0	78.0	66.0	318.9	174.9
395.0	243.3	-12.5	3.3	-.2	1.3	-.9	-2.1	.0	-2.0	.5	7.7	.0	78.9	66.8	322.1	176.5
405.0	245.9	-12.8	3.4	-.1	1.4	-.8	-2.1	.0	-2.1	.6	7.9	.0	79.8	67.6	325.7	178.3
415.0	248.9	-13.0	3.4	-.1	1.4	-.8	-2.2	.0	-2.3	.6	8.0	.0	80.8	68.5	329.7	180.4
425.0	252.4	-13.2	3.5	-.1	1.5	-.8	-2.3	.0	-2.5	.7	8.2	.0	81.9	69.4	334.2	182.9
435.0	256.4	-13.4	3.5	-.1	1.5	-.8	-2.4	.0	-2.7	.7	8.4	.0	83.0	70.4	339.4	186.0
445.0	261.1	-13.6	3.6	-.1	1.6	-.8	-2.5	.0	-3.0	.8	8.6	.0	84.3	71.5	345.4	189.6
455.0	266.6	-13.8	3.7	-.1	1.6	-.8	-2.6	.0	-3.4	.9	8.8	.0	85.7	72.6	352.3	193.9
465.0	273.1	-14.0	3.8	-.1	1.7	-.8	-2.7	.0	-3.9	1.0	9.1	.0	87.3	73.9	360.3	199.1
475.0	281.7	-14.2	3.9	-.1	1.7	-.8	-2.8	.0	-4.5	1.2	9.4	.0	88.9	75.3	369.6	205.4
485.0	289.9	-14.4	4.1	-.2	1.7	-.9	-2.9	.0	-5.2	1.4	9.7	.0	90.6	76.9	380.5	213.0
495.0	301.7	-14.6	4.3	-.2	1.7	-1.0	-3.0	.0	-6.2	1.6	10.0	.0	92.4	78.5	393.1	222.2
505.0	313.6	-14.7	4.5	-.3	1.6	-1.1	-3.1	.0	-7.3	1.9	10.3	.0	94.3	80.2	407.8	233.3
515.0	326.8	-14.8	4.8	-.4	1.4	-1.2	-3.2	.0	-8.6	2.2	10.7	.0	96.1	82.0	424.9	246.8
525.0	346.7	-14.7	5.1	-.6	1.2	-1.3	-3.3	.0	-10.2	2.6	11.0	.0	97.8	83.7	444.5	263.0
535.0	367.6	-14.6	5.4	-.7	.9	-1.5	-3.3	.0	-12.0	3.1	11.3	.0	99.2	85.4	466.8	282.2
545.0	391.6	-14.3	5.8	-1.0	.5	-1.8	-3.4	.0	-13.9	3.6	11.5	.0	100.4	86.8	492.0	304.8
555.0	418.8	-13.9	6.3	-1.2	.1	-2.0	-3.4	.0	-16.0	4.2	11.7	.0	101.5	88.0	520.3	330.8
565.0	449.2	-13.5	6.7	-1.5	-.4	-2.3	-3.4	.0	-18.1	4.8	11.8	.0	102.2	89.1	551.5	360.1

ORIGINAL PAGE IS
OF POOR QUALITY

BTROZENVIRON

TIME	NON VAL	1	2	3	4	5	6	7	8	ANT	NEG
51.0	1.7	.0	-.0	-.0	.0	.0	.0	.0	-.6	.6	.7	2.1	.8
51.0	1.7	.0	-.0	-.0	.0	.0	.0	.0	-.7	.6	.8	2.3	.9
52.0	1.8	.0	-.0	-.0	.0	.0	.0	.0	-.7	.7	.8	2.5	1.0
53.0	1.9	.0	-.0	-.0	.0	.0	.0	.0	-.7	.7	.9	2.6	1.1
54.0	2.1	.0	-.0	-.0	.0	.0	.0	.0	-.8	.7	.9	2.8	1.2
55.0	2.2	.0	-.0	-.0	.0	.0	.0	.0	-.8	.8	1.0	3.0	1.3
56.0	2.4	.0	-.0	-.0	.0	.0	.0	.1	-.8	.8	1.0	3.2	1.4
57.0	2.5	.0	-.0	-.0	.0	.0	.0	.1	-.9	.9	1.0	3.4	1.5
58.0	2.7	.1	-.0	-.1	.0	.0	.0	.1	-.9	.9	1.1	3.6	1.6
59.0	2.8	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.0	1.1	3.8	1.7
60.0	3.0	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.0	1.1	4.0	1.9
61.0	3.2	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.1	1.2	4.3	2.0
62.0	3.4	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.2	1.2	4.6	2.2
63.0	3.6	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.3	1.2	4.8	2.3
64.0	3.8	.1	-.1	-.1	.0	.0	.0	.1	-.9	1.4	1.3	5.1	2.5
65.0	4.0	.1	-.1	-.1	.0	.0	.0	.1	-.9	1.4	1.3	5.5	2.7
66.0	4.2	.1	-.1	-.1	.0	.0	.0	.2	-.9	1.6	1.4	5.8	2.9
67.0	4.6	.1	-.1	-.1	.0	.0	.0	.2	-.9	1.7	1.4	6.2	3.1
68.0	4.9	.1	-.1	-.2	.0	.0	.0	.2	-.9	1.8	1.5	6.7	3.3
69.0	5.2	.2	-.1	-.2	.0	.0	.0	.2	-.9	2.0	1.6	7.2	3.6
70.0	5.6	.2	-.1	-.2	.0	.0	.0	.2	-.9	2.1	1.7	7.7	3.8
71.0	6.0	.2	-.1	-.2	.0	.0	.0	.3	-.9	2.3	1.8	8.3	4.1
72.0	6.4	.2	-.1	-.3	.0	.0	-.0	.3	-.8	2.5	2.0	9.0	4.4
73.0	6.9	.2	-.1	-.3	.0	.0	-.0	.3	-.8	2.8	2.2	9.7	4.8
74.0	7.5	.3	-.1	-.3	.0	.0	-.0	.4	-.8	3.1	2.3	10.6	5.2
75.0	8.1	.3	-.1	-.3	.0	.0	-.0	.4	-.8	3.3	2.6	11.5	5.8
76.0	8.8	.3	-.2	-.4	.0	.0	-.0	.4	-.8	3.7	2.8	12.5	6.0
77.0	9.6	.4	-.2	-.4	.0	.0	-.0	.5	-.8	4.0	3.1	13.6	6.5
78.0	10.4	.4	-.2	-.5	.0	.0	-.0	.5	-.8	4.4	3.3	14.8	7.1
79.0	11.4	.4	-.2	-.5	.0	.0	-.0	.6	-.7	4.8	3.7	16.2	7.7
80.0	12.4	.5	-.2	-.6	.0	.0	-.0	.6	-.7	5.2	4.0	17.6	8.4
81.0	13.5	.5	-.2	-.6	.0	.0	-.0	.7	-.7	5.6	4.4	19.1	9.1
82.0	14.7	.6	-.3	-.7	.0	.0	-.0	.7	-.7	6.1	4.8	20.8	9.9
83.0	16.0	.6	-.3	-.8	.0	.0	-.0	.8	-.7	6.5	5.2	22.5	10.8
84.0	17.4	.7	-.3	-.9	.0	.0	-.0	.8	-.7	6.9	5.6	24.4	11.8
85.0	18.9	.7	-.4	-1.0	.0	.0	-.0	.9	-.7	7.4	6.0	26.3	12.9
86.0	20.5	.8	-.4	-1.1	.0	.0	-.0	.9	-.7	7.8	6.5	28.3	14.1
87.0	22.2	.8	-.5	-1.2	.0	.0	-.0	1.0	-.7	8.2	6.9	30.5	15.3
88.0	24.0	.9	-.5	-1.3	.0	.0	-.0	1.0	-.7	8.7	7.3	32.7	16.7
89.0	25.9	.9	-.6	-1.5	.0	.0	-.0	1.1	-.7	9.1	7.8	35.0	18.1
90.0	27.9	1.0	-.6	-1.6	.0	.0	-.0	1.1	-.7	9.6	8.2	37.4	19.6
91.0	29.9	1.0	-.7	-1.8	.0	.0	-.0	1.2	-.8	10.0	8.7	39.9	21.2
92.0	32.1	1.1	-.8	-1.9	.0	.0	-.0	1.2	-.8	10.5	9.1	42.5	22.9
93.0	34.3	1.1	-.9	-2.1	.0	.0	-.0	1.3	-.8	10.9	9.6	45.2	24.7
94.0	36.7	1.2	-.9	-2.3	.1	.0	-.0	1.3	-.8	11.4	10.1	47.9	26.5
95.0	39.2	1.2	-1.1	-2.5	.1	.0	-.0	1.4	-.8	11.8	10.5	50.7	28.4
96.0	41.9	1.3	-1.1	-2.7	.1	.0	-.0	1.4	-.8	12.2	11.0	53.6	30.4
97.0	44.9	1.3	-1.2	-2.9	.1	.0	-.0	1.5	-.9	12.7	11.5	56.6	32.4
98.0	48.0	1.4	-1.3	-3.1	.1	.0	-.0	1.5	-.9	13.1	12.0	59.6	34.5
99.0	51.3	1.4	-1.4	-3.4	.1	.0	-.1	1.6	-.9	13.6	12.4	62.7	36.7

TIME	NOM VAL	1	2	3	4	5	6	7	8	ALT	POS		
100.0	51.8	-1.4	1.7	4.1	-.1	.0	.0	-1.6	-.2	14.0	12.9	65.8	38.9
101.0	54.5	-1.5	1.9	4.4	-.2	.0	.0	-1.7	-.3	14.4	13.3	69.0	41.2
102.0	57.3	-1.5	2.0	4.7	-.2	.0	.1	-1.7	-.3	14.9	13.8	72.2	43.5
103.0	60.1	-1.5	2.1	5.0	-.2	.0	.1	-1.8	-.4	15.4	14.2	75.5	45.9
104.0	63.0	-1.6	2.3	5.3	-.2	.0	.1	-1.8	-.4	15.8	14.7	78.8	48.3
105.0	65.9	-1.6	2.4	5.7	-.2	.0	.1	-1.8	-.4	16.3	15.1	82.2	50.7
106.0	68.8	-1.6	2.6	6.0	-.2	.0	.1	-1.9	-.5	16.8	15.6	85.6	53.2
107.0	71.8	-1.7	2.8	6.4	-.2	.0	.1	-1.9	-.5	17.3	16.1	89.1	55.8
108.0	74.8	-1.7	2.9	6.7	-.2	.0	.1	-1.9	-.5	17.8	16.5	92.6	58.3
109.0	77.9	-1.8	3.1	7.1	-.2	.0	.1	-2.0	-.6	18.3	17.0	96.2	60.9
110.0	81.0	-1.8	3.3	7.5	-.3	-.0	.1	-2.0	-.6	18.8	17.5	99.7	63.5
111.0	84.1	-1.8	3.5	7.8	-.3	-.0	.1	-2.0	-.6	19.2	18.0	103.3	66.1
112.0	87.2	-1.9	3.6	8.2	-.3	-.0	.1	-2.1	-.6	19.7	18.5	106.9	68.7
113.0	90.4	-1.9	3.8	8.6	-.3	-.0	.1	-2.1	-.6	20.1	19.0	110.4	71.3
114.0	93.5	-1.9	4.0	9.0	-.3	-.0	.1	-2.1	-.6	20.4	19.5	114.0	74.0
115.0	96.7	-1.9	4.2	9.5	-.3	-.0	.2	-2.1	-.6	20.8	20.0	117.5	76.7
116.0	99.8	-2.0	4.4	9.9	-.3	-.0	.2	-2.2	-.5	21.1	20.5	120.9	79.3
117.0	102.8	-2.0	4.6	10.3	-.3	-.0	.2	-2.2	-.5	21.5	20.9	124.3	82.0
118.0	105.8	-2.0	4.8	10.7	-.4	-.0	.2	-2.2	-.5	21.8	21.2	127.6	84.6
119.0	108.7	-2.0	5.0	11.1	-.4	-.0	.2	-2.3	-.4	22.2	21.6	130.9	87.1
120.0	111.5	-2.0	5.2	11.5	-.4	-.0	.2	-2.2	-.4	22.6	21.9	134.1	89.6
121.0	114.2	-2.1	5.4	11.9	-.4	-.0	.2	-2.3	-.3	23.0	22.2	137.2	92.1
122.0	116.9	-2.1	5.6	12.3	-.4	-.1	.2	-2.3	-.3	23.4	22.5	140.3	94.4
123.0	119.4	-2.1	5.7	12.7	-.4	-.1	.2	-2.3	-.2	23.9	22.8	143.3	96.6
124.0	121.9	-2.1	5.9	13.0	-.4	-.1	.2	-2.3	-.1	24.3	23.1	146.2	98.8
125.0	124.3	-2.1	6.1	13.4	-.4	-.1	.2	-2.3	.0	24.8	23.4	149.0	100.9
126.0	126.6	-2.1	6.3	13.8	-.4	-.1	.3	-2.4	.0	25.2	23.7	151.8	102.9
127.0	128.8	-2.1	6.4	14.1	-.5	-.1	.3	-2.4	.1	25.7	24.0	154.5	104.7
128.0	130.9	-2.2	6.6	14.5	-.5	-.1	.3	-2.4	.2	26.1	24.4	157.1	106.6
129.0	133.0	-2.2	6.8	14.8	-.5	-.1	.3	-2.4	.3	26.6	24.7	159.6	108.3
130.0	135.0	-2.2	6.9	15.2	-.5	-.1	.3	-2.4	.3	27.1	25.1	162.1	110.0
131.0	137.0	-2.2	7.1	15.5	-.5	-.1	.3	-2.4	.4	27.6	25.4	164.6	111.6
132.0	138.9	-2.2	7.3	15.8	-.5	-.1	.3	-2.5	.5	28.1	25.8	167.0	113.1
133.0	140.8	-2.2	7.4	16.1	-.5	-.1	.3	-2.5	.6	28.5	26.2	169.3	114.6
134.0	142.6	-2.3	7.5	16.4	-.5	-.1	.3	-2.5	.7	29.0	26.6	171.6	116.0
135.0	144.4	-2.3	7.7	16.7	-.5	-.1	.3	-2.5	.8	29.4	27.0	173.8	117.4
145.0	159.9	-2.4	9.1	19.7	-.6	-.1	.4	-2.7	2.1	34.1	31.0	194.0	128.9
155.0	172.3	-2.4	10.4	22.3	-.7	-.2	.4	-2.8	3.5	38.5	34.8	210.8	137.5
165.0	182.7	-2.5	11.6	24.7	-.8	-.2	.5	-2.9	4.9	42.6	38.6	225.2	144.1
175.0	191.3	-2.5	12.7	27.0	-.8	-.2	.5	-2.9	6.1	46.6	42.2	237.9	149.0
185.0	198.2	-2.5	13.8	29.2	-.9	-.3	.6	-2.9	7.1	50.5	45.6	248.7	152.7
195.0	203.9	-2.4	14.8	31.3	-1.0	-.3	.6	-3.0	7.8	54.0	48.5	257.9	155.4
205.0	208.4	-2.4	15.7	33.1	-1.0	-.3	.7	-2.9	8.1	57.3	51.1	265.7	157.3
215.0	212.1	-2.3	16.5	34.8	-1.0	-.3	.7	-2.6	8.4	60.1	53.2	272.2	158.9
225.0	215.0	-2.3	17.2	36.2	-1.1	-.3	.8	-2.9	8.5	62.6	54.8	277.5	160.2
235.0	217.4	-2.2	17.8	37.4	-1.1	-.4	.8	-2.9	8.5	64.5	56.1	282.0	161.3
245.0	219.6	-2.2	18.2	38.3	-1.1	-.4	.8	-2.9	8.4	66.2	57.3	285.7	162.3
255.0	221.4	-2.2	18.6	39.1	-1.2	-.4	.8	-2.9	8.4	67.6	58.2	289.0	163.2
265.0	223.1	-2.1	18.9	39.8	-1.2	-.4	.9	-2.9	8.3	68.7	59.0	291.7	164.1
275.0	224.5	-2.1	19.2	40.4	-1.2	-.4	.9	-2.9	8.3	69.7	59.7	294.2	164.8

TEMP	NORMAL	1	2	3	4	5	6	7	8	ANT	NEG		
100.0	51.8	1.4	-1.5	-3.6	.8	.0	-.1	1.6	-.9	14.0	12.9	65.8	38.9
101.0	54.5	1.5	-1.7	-3.9	.8	.0	-.1	1.6	-1.0	14.4	13.3	69.0	41.2
102.0	57.3	1.5	-1.8	-4.1	.1	.0	-.1	1.7	-1.0	14.9	13.8	72.2	43.5
103.0	60.1	1.6	-1.9	-4.4	.1	.0	-.1	1.7	-1.0	15.4	14.2	75.5	45.9
104.0	63.0	1.6	-2.1	-4.7	.1	.0	-.1	1.7	-1.1	15.8	14.7	78.8	48.3
105.0	65.9	1.6	-2.2	-4.9	.1	.0	-.1	1.8	-1.1	16.3	15.1	82.2	50.7
106.0	68.8	1.7	-2.3	-5.2	.1	.0	-.1	1.8	-1.2	16.8	15.6	85.6	53.2
107.0	71.8	1.7	-2.5	-5.5	.1	.0	-.1	1.8	-1.3	17.3	16.1	89.1	55.6
108.0	74.8	1.7	-2.6	-5.9	.2	.1	-.1	1.9	-1.3	17.8	16.5	92.6	58.3
109.0	77.9	1.8	-2.8	-6.1	.2	.1	-.1	1.9	-1.4	18.3	17.0	96.2	60.9
110.0	81.0	1.8	-2.9	-6.4	.2	.1	-.1	1.9	-1.5	18.8	17.5	99.7	63.5
111.0	84.1	1.8	-3.1	-6.7	.2	.1	-.1	2.0	-1.6	19.2	18.0	103.3	66.1
112.0	87.2	1.9	-3.2	-7.0	.2	.1	-.1	2.0	-1.8	19.7	18.5	106.9	68.7
113.0	90.4	1.9	-3.4	-7.4	.2	.1	-.1	2.0	-1.9	20.1	19.0	110.4	71.3
114.0	93.5	1.9	-3.6	-7.7	.2	.1	-.1	2.0	-2.0	20.4	19.5	114.0	74.0
115.0	96.7	1.9	-3.7	-8.0	.2	.1	-.1	2.0	-2.2	20.8	20.0	117.5	76.7
116.0	99.8	2.0	-3.9	-8.4	.2	.1	-.2	2.1	-2.3	21.1	20.5	120.9	79.3
117.0	102.8	2.0	-4.1	-8.7	.2	.1	-.2	2.1	-2.5	21.5	20.9	124.3	82.0
118.0	105.8	2.0	-4.3	-9.0	.2	.1	-.2	2.1	-2.6	21.8	21.2	127.6	84.6
119.0	108.7	2.0	-4.4	-9.4	.3	.1	-.2	2.1	-2.8	22.2	21.6	130.9	87.1
120.0	111.5	2.0	-4.6	-9.7	.3	.1	-.2	2.1	-2.9	22.6	21.9	134.1	89.6
121.0	114.2	2.1	-4.8	-10.0	.3	.1	-.2	2.1	-3.1	23.0	22.2	137.2	92.1
122.0	116.9	2.	-4.9	-10.3	.3	.1	-.2	2.2	-3.2	23.4	22.5	140.3	94.4
123.0	119.4	2.1	-5.1	-10.6	.3	.1	-.2	2.2	-3.4	23.9	22.8	143.3	96.6
124.0	121.9	2.1	-5.2	-10.9	.3	.1	-.2	2.2	-3.6	24.3	23.1	146.2	98.8
125.0	124.3	2.1	-5.4	-11.2	.3	.1	-.2	2.2	-3.7	24.8	23.4	149.0	100.9
126.0	126.6	2.1	-5.5	-11.5	.3	.1	-.2	2.2	-3.9	25.2	23.7	151.8	102.9
127.0	128.8	2.1	-5.7	-11.8	.3	.1	-.2	2.2	-4.1	25.7	24.0	154.5	104.7
128.0	130.9	2.2	-5.8	-12.0	.3	.2	-.2	2.2	-4.2	26.1	24.4	157.1	106.6
129.0	133.0	2.2	-6.0	-12.3	.3	.2	-.2	2.3	-4.4	26.6	24.7	159.6	108.3
130.0	135.0	2.2	-6.1	-12.5	.3	.2	-.3	2.3	-4.6	27.1	25.1	162.1	110.0
131.0	137.0	2.2	-6.2	-12.8	.4	.2	-.3	2.3	-4.7	27.6	25.4	164.6	111.6
132.0	138.9	2.2	-6.4	-13.0	.4	.2	-.3	2.3	-4.9	28.1	25.8	167.0	113.1
133.0	140.8	2.2	-6.5	-13.3	.4	.2	-.3	2.3	-5.1	28.5	26.2	169.3	114.6
134.0	142.6	2.2	-6.6	-13.5	.4	.2	-.3	2.3	-5.2	29.0	26.6	171.6	116.0
135.0	144.4	2.2	-6.8	-13.8	.4	.2	-.3	2.3	-5.4	29.4	27.0	173.8	117.4
140.0	152.9	2.3	-8.0	-15.1	.5	.2	-.3	2.4	-7.2	34.1	31.0	184.0	124.9
145.0	160.7	2.4	-9.1	-16.3	.5	.3	-.4	2.5	-9.1	38.5	34.8	193.8	131.5
150.0	168.2	2.4	-10.1	-17.4	.6	.3	-.4	2.6	-10.9	42.6	38.6	203.2	137.5
155.0	175.3	2.4	-11.0	-18.5	.6	.3	-.5	2.6	-12.6	46.4	42.2	212.3	143.1
160.0	182.2	2.4	-11.9	-19.6	.7	.4	-.5	2.6	-14.0	50.0	45.6	221.0	148.3
165.0	188.8	2.3	-12.8	-20.6	.7	.4	-.5	2.6	-15.1	53.4	48.5	229.4	153.2
170.0	195.2	2.2	-13.5	-21.5	.8	.4	-.6	2.6	-15.8	56.3	51.1	237.4	157.7
175.0	201.4	2.2	-14.1	-22.4	.8	.4	-.6	2.5	-16.2	58.8	53.2	245.2	161.8
180.0	207.4	2.1	-14.6	-23.2	.8	.5	-.7	2.5	-16.3	60.8	54.8	252.6	165.4
185.0	213.2	2.1	-15.0	-23.9	.9	.5	-.7	2.4	-16.3	62.3	56.1	259.7	168.6
190.0	218.8	2.1	-15.4	-24.6	.9	.5	-.7	2.4	-16.3	63.4	57.3	266.4	171.3
195.0	224.2	2.0	-15.7	-25.2	.9	.5	-.7	2.4	-16.3	64.2	58.2	272.8	173.6
200.0	229.4	2.0	-15.9	-25.7	.9	.5	-.7	2.4	-16.3	64.8	58.8	278.8	175.4
205.0	234.5	2.0	-16.1	-26.2	.9	.5	-.7	2.4	-16.3	65.2	59.2	284.5	176.8

AERO/ENVIRON

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	POS			
285.0	225.9	-2.1	19.5	40.9	-1.2	-.4	.9	-2.9	8.3	70.6	60.3	296.4	165.6	
295.0	227.2	-2.1	19.7	41.4	-1.2	-.4	.9	-2.9	8.3	71.4	60.8	298.6	166.3	
305.0	228.4	-2.1	19.9	41.8	-1.2	-.4	.9	-2.9	8.2	72.2	61.4	300.6	167.1	
315.0	229.7	-2.1	20.1	42.3	-1.2	-.4	.9	-2.9	8.2	72.9	61.9	302.6	167.8	
325.0	231.0	-2.1	20.3	42.7	-1.2	-.4	.9	-2.9	8.2	73.6	62.4	304.6	168.6	
335.0	232.4	-2.1	20.5	43.1	-1.3	-.4	1.0	-2.9	8.1	74.3	62.9	306.6	169.5	
345.0	233.8	-2.1	20.7	43.5	-1.3	-.4	1.0	-3.0	8.1	74.9	63.5	308.8	170.3	
355.0	235.4	-2.1	20.9	43.9	-1.3	-.4	1.0	-3.0	8.1	75.6	64.1	311.0	171.3	
365.0	237.0	-2.1	21.1	44.3	-1.3	-.4	1.0	-3.0	8.1	76.4	64.7	313.4	172.4	
375.0	238.9	-2.1	21.3	44.8	-1.3	-.4	1.0	-3.0	8.0	77.2	65.3	316.0	173.6	
385.0	240.9	-2.1	21.6	45.2	-1.3	-.4	1.0	-3.1	8.0	78.0	66.0	318.9	174.9	
395.0	243.3	-2.0	21.8	45.7	-1.3	-.4	1.0	-3.1	7.9	78.9	66.8	322.1	176.5	
405.0	245.9	-2.1	22.1	46.3	-1.3	-.4	1.1	-3.2	7.9	79.8	67.6	325.7	178.3	
415.0	248.9	-2.1	22.4	46.9	-1.4	-.5	1.1	-3.3	7.9	80.8	68.5	329.7	180.4	
425.0	252.4	-2.1	22.7	47.5	-1.4	-.5	1.1	-3.4	7.8	81.9	69.4	334.2	182.9	
435.0	256.4	-2.1	23.0	48.2	-1.4	-.5	1.1	-3.5	7.8	83.0	70.4	339.4	186.0	
445.0	261.1	-2.1	23.4	48.9	-1.4	-.5	1.1	-3.6	7.7	84.3	71.5	345.4	189.6	
455.0	266.6	-2.2	23.8	49.7	-1.4	-.5	1.2	-3.8	7.6	85.7	72.6	352.3	193.9	
465.0	273.1	-2.2	24.2	50.6	-1.5	-.5	1.2	-4.0	7.6	87.3	73.9	360.3	199.1	
475.0	280.7	-2.3	24.6	51.5	-1.5	-.5	1.2	-4.1	7.5	88.9	75.3	369.6	205.4	
485.0	289.9	-2.3	25.1	52.5	-1.5	-.5	1.3	-4.6	7.4	90.6	76.9	380.5	213.0	
495.0	300.7	-2.5	25.6	53.5	-1.6	-.6	1.3	-5.0	7.3	92.4	78.5	393.1	222.2	
505.0	313.6	-2.6	26.0	54.5	-1.6	-.6	1.3	-5.4	7.2	94.3	80.2	407.8	233.3	
515.0	328.8	-2.8	26.5	55.4	-1.6	-.6	1.4	-6.0	7.1	96.1	82.0	424.9	246.8	
525.0	346.7	-3.0	26.8	56.2	-1.7	-.7	1.4	-6.6	7.0	97.8	83.7	444.5	263.0	
535.0	367.6	-3.3	27.1	56.8	-1.7	-.7	1.4	-7.3	6.9	99.2	85.4	466.8	282.2	
545.0	391.6	-3.6	27.2	57.2	-1.7	-.7	1.4	-8.0	6.8	100.4	86.8	492.0	304.8	
555.0	418.8	-3.9	27.2	57.4	-1.8	-.7	1.4	-8.8	6.7	101.5	88.0	520.3	330.8	
565.0	449.2	-4.3	27.1	57.5	-1.8	-.8	1.4	-9.5	6.6	102.2	89.1	551.5	360.1	

AERO/ENVIRON

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	NEG
285.0	225.9	2.0	-16.3	-30.6	.9	.5	-.7	2.4	-16.3	70.6	60.3	296.4	165.6
295.0	227.2	2.0	-16.5	-30.9	.9	.5	-.7	2.4	-16.3	71.4	60.8	298.6	166.3
305.0	228.4	1.9	-16.6	-31.2	.9	.5	-.8	2.4	-16.3	72.2	61.4	300.6	167.1
315.0	229.7	1.9	-16.8	-31.5	.9	.5	-.8	2.4	-16.3	72.9	61.9	302.6	167.8
325.0	231.0	1.9	-16.9	-31.8	1.0	.5	-.8	2.4	-16.3	73.6	62.4	304.6	168.6
335.0	232.4	1.9	-17.1	-32.0	1.0	.5	-.8	2.5	-16.3	74.3	62.9	306.6	169.5
345.0	233.8	1.9	-17.3	-32.3	1.0	.6	-.8	2.5	-16.3	74.9	63.5	308.8	170.3
355.0	235.4	1.9	-17.5	-32.6	1.0	.6	-.8	2.5	-16.3	75.6	64.1	311.0	171.3
365.0	237.0	1.9	-17.6	-33.0	1.0	.6	-.8	2.5	-16.3	76.4	64.7	313.4	172.4
375.0	238.9	1.9	-17.8	-33.3	1.0	.6	-.8	2.5	-16.2	77.2	65.3	316.0	173.6
385.0	240.9	1.9	-18.1	-33.7	1.0	.6	-.8	2.6	-16.2	78.0	66.0	318.9	174.9
395.0	243.3	1.9	-18.3	-34.1	1.0	.6	-.8	2.6	-16.2	78.9	66.8	322.1	176.5
405.0	245.9	1.9	-18.6	-34.5	1.0	.6	-.9	2.7	-16.2	79.8	67.6	325.7	178.3
415.0	248.9	1.9	-18.8	-35.0	1.1	.6	-.9	2.7	-16.2	80.8	68.5	329.7	180.4
425.0	252.4	1.9	-19.0	-35.5	1.1	.6	-.9	2.8	-16.1	81.9	69.4	334.2	182.9
435.0	256.4	1.9	-19.3	-36.0	1.1	.6	-.9	2.9	-16.1	83.0	70.4	339.4	186.0
445.0	261.1	1.9	-19.6	-36.5	1.1	.7	-.9	3.0	-16.0	84.3	71.5	345.4	189.6
455.0	266.6	2.0	-19.9	-37.1	1.1	.7	-.9	3.2	-16.0	85.7	72.6	352.3	193.9
465.0	273.1	2.0	-20.3	-37.8	1.2	.7	-1.0	3.4	-15.9	87.3	73.9	360.3	199.1
475.0	280.7	2.1	-20.6	-38.5	1.2	.7	-1.0	3.7	-15.9	88.9	75.3	369.6	205.4
485.0	289.9	2.2	-21.0	-39.3	1.2	.7	-1.0	4.0	-15.8	90.6	76.9	380.5	213.0
495.0	300.7	2.3	-21.4	-40.1	1.2	.8	-1.0	4.3	-15.6	92.4	78.5	393.1	222.2
505.0	313.6	2.4	-21.8	-41.0	1.3	.8	-1.0	4.8	-15.5	94.3	80.2	407.8	233.3
515.0	328.8	2.6	-22.2	-41.8	1.3	.8	-1.1	5.3	-15.3	96.1	82.0	424.9	246.8
525.0	346.7	2.9	-22.5	-42.6	1.3	.8	-1.1	5.9	-15.2	97.8	83.7	444.5	263.0
535.0	367.6	3.2	-22.7	-43.3	1.4	.8	-1.1	6.5	-14.9	99.2	85.4	466.8	282.5
545.0	391.6	3.5	-22.8	-43.7	1.4	.9	-1.1	7.2	-14.7	100.4	86.8	492.0	304.8
555.0	418.8	3.9	-22.7	-44.1	1.4	.9	-1.1	7.9	-14.5	101.5	88.0	520.3	330.8
565.0	449.2	4.3	-22.6	-44.2	1.4	.9	-1.1	8.6	-14.2	102.2	89.1	551.5	360.1

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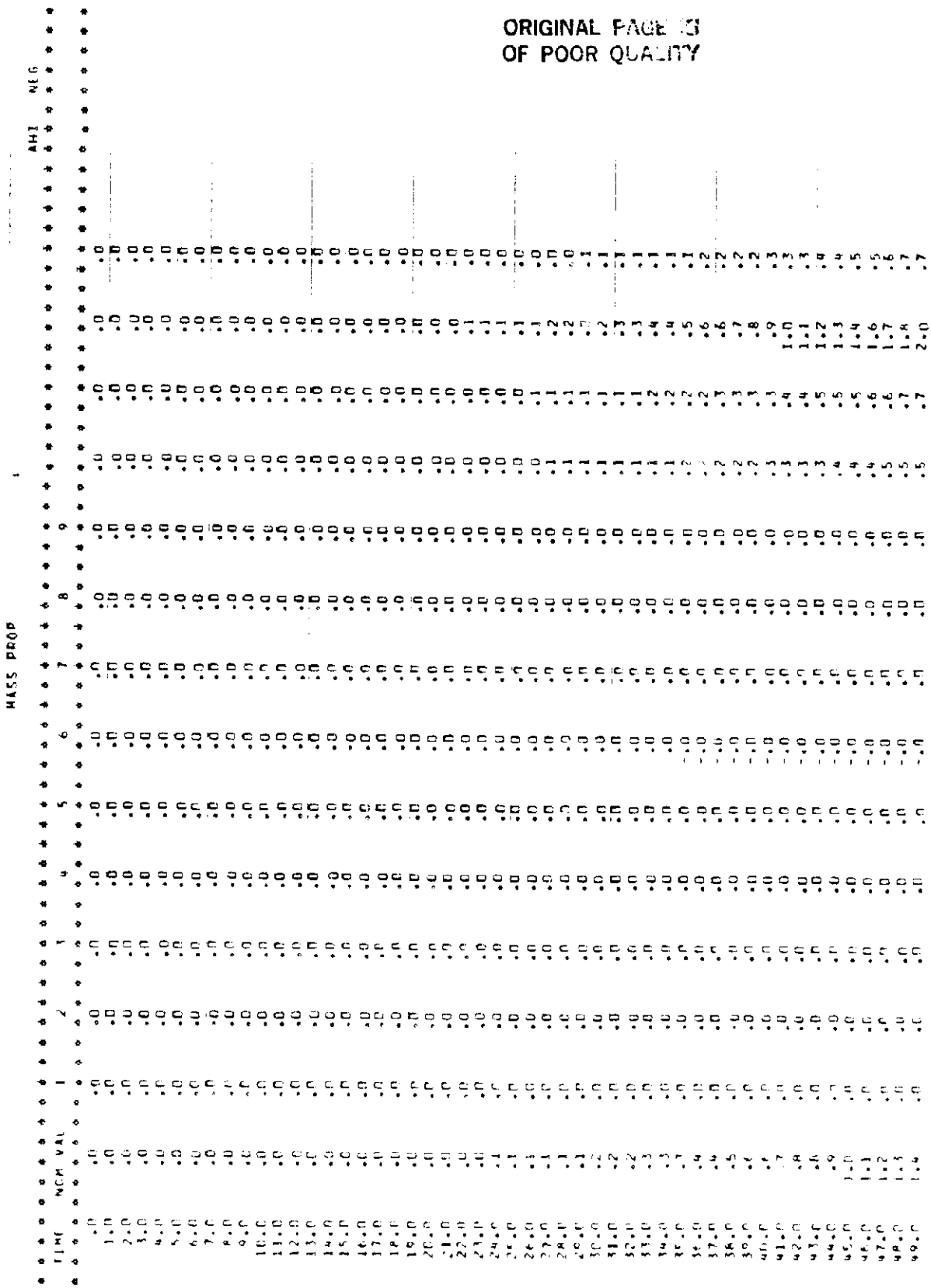


MASS PROP

AHI FOS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	1.6	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.2	4.3	2.0
62.0	3.4	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	-.2	.1	.0	.0	.0	.0	.0	.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.4	3.3	14.8	7.1
79.0	11.4	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.8	3.7	16.2	7.7
80.0	12.4	-.2	.1	.0	.0	.0	.0	.0	.0	.0	5.2	4.0	17.6	8.4
81.0	13.5	-.3	.1	.0	.0	.0	.0	.0	.0	.0	5.6	4.4	19.1	9.1
82.0	14.7	-.3	.1	.0	.0	.0	.0	.0	.0	.0	6.1	4.8	20.8	9.9
83.0	16.0	-.3	.1	.0	.0	.0	.0	.0	.0	.0	6.5	5.2	22.5	10.8
84.0	17.4	-.3	.2	.0	.0	.0	.0	.0	.0	.0	6.9	5.6	24.4	11.8
85.0	18.9	-.3	.2	.0	.0	.0	.0	-.0	.0	.0	7.4	6.0	26.3	12.9
86.0	20.5	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	7.8	6.5	28.3	14.1
87.0	22.2	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	8.2	6.9	30.5	15.3
88.0	24.0	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	8.7	7.3	32.7	16.7
89.0	25.9	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	9.1	7.8	35.0	18.1
90.0	27.9	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	9.6	8.2	37.4	19.6
91.0	29.9	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	10.0	8.7	39.9	21.2
92.0	32.1	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	10.5	9.1	42.5	22.9
93.0	34.3	-.5	.3	.0	.0	.0	.0	-.0	.0	.0	10.9	9.6	45.2	24.7
94.0	36.6	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	11.4	10.1	47.9	26.5
95.0	38.9	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	11.8	10.5	50.7	28.4
96.0	41.4	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	12.2	11.0	53.6	30.4
97.0	43.9	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	12.7	11.5	56.6	32.4
98.0	46.5	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	13.1	12.0	59.6	34.5
99.0	49.1	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	13.6	12.4	62.7	36.7

MASS PROP

TIME	NOR VEL	1	2	3	4	5	6	7	8	9	AHI	NEG
50.0	1.6	.0	-.0	.0	.0	.0	-.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	.0	-.0	.0	.0	.0	-.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	.0	-.0	.0	.0	.0	-.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	.0	-.0	.0	.0	.0	-.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	1.1	1.2	4.3	2.0
62.0	3.4	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	.1	-.0	.0	.0	.0	-.1	.0	.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	.1	-.1	.0	.0	.0	-.2	.0	.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	.1	-.1	.0	.0	.0	-.2	.0	.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	.1	-.1	.0	.0	.0	-.2	.0	.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	.1	-.1	.0	.0	.0	-.2	.0	.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	.1	-.1	.0	.0	.0	-.2	.0	.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	.2	-.1	.0	.0	.0	-.2	.0	.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	.2	-.1	.0	.0	.0	-.2	.0	.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	.2	-.1	.0	.0	.0	-.3	.0	.0	.0	4.4	3.3	14.8	7.1
79.0	11.4	.2	-.1	.0	.0	.0	-.3	.0	.0	.0	4.8	3.7	16.2	7.7
80.0	12.4	.2	-.1	.0	.0	.0	-.3	.0	.0	.0	5.2	4.0	17.6	8.4
81.0	13.5	.3	-.1	.0	.0	.0	-.3	.0	.0	.0	5.6	4.4	19.1	9.1
82.0	14.7	.3	-.1	.0	.0	.0	-.3	.0	.0	.0	6.1	4.8	20.8	9.9
83.0	16.0	.3	-.1	.0	.0	.0	-.4	.0	.0	.0	6.5	5.2	22.5	10.8
84.0	17.4	.3	-.1	.0	.0	.0	-.4	.0	.0	.0	6.9	5.6	24.4	11.8
85.0	18.9	.3	-.2	.0	.0	.0	-.4	.0	.0	.0	7.4	6.0	26.3	12.9
86.0	20.5	.4	-.2	.0	.0	-.0	-.5	.0	.0	.0	7.8	6.5	28.3	14.1
87.0	22.2	.4	-.2	.0	.0	-.0	-.5	.0	.0	.0	8.2	6.9	30.5	15.3
88.0	24.0	.4	-.2	.0	.0	-.0	-.5	.0	.0	.0	8.7	7.3	32.7	16.7
89.0	25.9	.4	-.2	.0	.0	-.0	-.6	.0	.0	.0	9.1	7.8	35.0	18.1
90.0	27.9	.5	-.2	.0	.0	-.0	-.6	.0	.0	.0	9.6	8.2	37.4	19.6
91.0	29.9	.5	-.2	.0	.0	-.0	-.7	.0	.0	.0	10.0	8.7	39.9	21.2
92.0	32.1	.5	-.2	.0	.0	-.0	-.7	.0	.0	.0	10.5	9.1	42.5	22.9
93.0	34.3	.5	-.2	.0	.0	-.0	-.8	.0	.0	.0	10.9	9.6	45.2	24.7
94.0	36.6	.6	-.3	.0	.0	-.0	-.8	.0	.0	.0	11.4	10.1	47.9	26.5
95.0	38.9	.6	-.3	.0	.0	-.0	-.9	.0	.0	.0	11.8	10.5	50.7	28.4
96.0	41.4	.6	-.3	.0	.0	-.0	-.9	.0	.0	.0	12.2	11.0	53.6	30.4
97.0	43.9	.6	-.3	.0	.0	-.0	-1.0	.0	.0	.0	12.7	11.5	56.6	32.4
98.0	46.5	.6	-.3	.0	.0	-.0	-1.0	.0	.0	.0	13.1	12.0	59.6	34.5
99.0	49.3	.7	-.3	.0	.0	-.0	-1.1	.0	.0	.0	13.6	12.4	62.7	36.7

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AXI	POS		
100.0	51.8	-.7	.3	.0	.0	.0	.1	-.0	.0	.0	14.0	12.9	65.8	38.9
101.0	54.5	-.7	.3	.0	.0	.0	.1	-.0	.0	.0	14.4	13.3	69.0	41.2
102.0	57.3	-.7	.4	.0	.0	.0	.1	-.0	.0	.0	14.9	13.8	72.2	43.5
103.0	60.1	-.8	.4	.0	.0	.0	.1	-.0	.0	.0	15.4	14.2	75.5	45.9
104.0	63.0	-.8	.4	.0	.0	.0	.1	-.1	.0	.0	15.8	14.7	78.8	48.3
105.0	65.9	-.8	.4	.0	.0	.0	.1	-.1	.0	.0	16.3	15.1	82.2	50.7
106.0	68.8	-.8	.4	.0	.0	.0	.1	-.1	.0	.0	16.8	15.6	85.6	53.2
107.0	71.8	-.9	.4	.0	.0	.0	.1	-.1	.0	.0	17.3	16.1	89.1	55.8
108.0	74.8	-.9	.4	.0	.0	.1	.1	-.1	.0	.0	17.8	16.5	92.6	58.3
109.0	77.9	-.9	.4	.0	.0	.1	.1	-.1	.0	.0	18.3	17.0	96.2	60.9
110.0	81.0	-.9	.4	.0	.0	.1	.1	-.1	.0	.0	18.8	17.5	99.7	63.5
111.0	84.1	-.9	.5	.0	.0	.1	.1	-.1	.0	.0	19.2	18.0	103.3	66.1
112.0	87.2	-1.0	.5	.0	.0	.1	.1	-.1	.0	.0	19.7	18.5	106.9	68.7
113.0	90.4	-1.0	.5	.0	.0	.1	.1	-.1	.0	.0	20.1	19.0	110.4	71.3
114.0	93.5	-1.0	.5	.0	.0	.1	.1	-.1	.0	.0	20.4	19.5	114.0	74.0
115.0	96.7	-1.0	.5	.0	.0	.1	.1	-.1	.0	.0	20.8	20.0	117.5	76.7
116.0	99.8	-1.0	.5	.0	.0	.1	.1	-.1	.0	.0	21.1	20.5	120.9	79.3
117.0	102.8	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	21.5	20.9	124.3	82.0
118.0	105.8	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	21.8	21.2	127.6	84.6
119.0	108.7	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	22.2	21.6	130.9	87.1
120.0	111.5	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	22.6	21.9	134.1	89.6
121.0	114.2	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	23.0	22.2	137.2	92.1
122.0	116.9	-1.1	.6	.0	.0	.1	.1	-.2	.0	.0	23.4	22.5	140.3	94.4
123.0	119.4	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	23.9	22.8	143.3	96.6
124.0	121.9	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	24.3	23.1	146.2	98.8
125.0	124.3	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	24.8	23.4	149.0	100.9
126.0	126.6	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	25.2	23.7	151.8	102.9
127.0	128.8	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	25.7	24.0	154.5	104.7
128.0	130.9	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	26.1	24.4	157.1	106.6
129.0	133.0	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	26.6	24.7	159.6	108.3
130.0	135.0	-1.2	.6	.0	.0	.1	.1	-.2	.0	.0	27.1	25.1	162.1	110.0
131.0	137.0	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	27.6	25.4	164.6	111.6
132.0	138.9	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	28.1	25.8	167.0	113.1
133.0	140.8	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	28.5	26.2	169.3	114.6
134.0	142.6	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	29.0	26.6	171.6	116.0
135.0	144.4	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	29.4	27.0	173.8	117.4
145.0	159.9	-1.4	.7	.0	.0	.2	.2	-.3	.0	.0	34.1	31.0	194.0	128.9
155.0	173.3	-1.5	.7	.0	.0	.2	.2	-.4	.0	.0	38.5	34.8	210.8	137.5
165.0	182.7	-1.6	.8	.0	.0	.2	.2	-.5	.0	.0	42.6	38.6	225.2	144.1
175.0	191.3	-1.6	.8	.0	.0	.3	.2	-.5	.0	.0	46.6	42.2	237.9	149.0
185.0	196.2	-1.6	.8	.0	.0	.3	.2	-.6	.0	.0	50.5	45.6	248.7	152.7
195.0	203.9	-1.6	.8	.0	.0	.3	.2	-.6	.0	.0	54.0	48.5	257.9	155.4
205.0	208.4	-1.6	.8	.0	.0	.4	.2	-.7	.0	.0	57.3	51.1	265.7	157.3
215.0	212.1	-1.6	.8	.0	.0	.4	.3	-.7	.0	.0	60.1	53.2	272.2	158.9
225.0	215.0	-1.6	.8	.0	.0	.4	.3	-.8	.0	.0	62.6	54.8	277.5	160.2
235.0	217.4	-1.6	.8	.0	.0	.4	.3	-.8	.0	.0	64.5	56.1	282.0	161.3
245.0	219.6	-1.6	.8	.0	.0	.5	.3	-.9	.0	.0	66.2	57.3	285.7	162.3
255.0	221.4	-1.6	.8	.0	.0	.5	.3	-.9	.0	.0	67.6	58.2	289.0	163.2
265.0	223.0	-1.5	.8	.0	.0	.5	.3	-.9	.0	.0	68.7	59.0	291.7	164.1
275.0	224.5	-1.5	.8	.0	.0	.5	.3	-.9	.0	.0	69.7	59.7	294.2	164.8

MASS PROP

TIME	NOM VAL	1	3	4	5	6	7	8	9	AHI	NEG
100.0	51.8	.7	-.3	.0	.0	-.0	-1.1	.0	.0	.0	14.0	12.9	65.8	38.9
101.0	54.5	.7	-.3	.0	.0	-.0	-1.2	.0	.0	.0	14.4	13.3	69.0	41.2
102.0	57.3	.7	-.3	.0	.0	-.0	-1.2	.0	.0	.0	14.9	13.8	72.2	43.5
103.0	60.1	.7	-.4	.0	.0	-.0	-1.3	.0	.0	.0	15.4	14.2	75.5	45.9
104.0	63.0	.8	-.4	.0	.0	-.0	-1.4	.0	.0	.0	15.8	14.7	78.8	48.3
105.0	65.9	.8	-.4	.0	.0	-.0	-1.4	.0	.0	.0	16.3	15.1	82.2	50.7
106.0	68.8	.8	-.4	.0	.0	-.0	-1.5	.1	.0	.0	16.8	15.6	85.6	53.2
107.0	71.8	.8	-.4	.0	.0	-.0	-1.5	.1	.0	.0	17.3	16.1	89.1	55.8
108.0	74.8	.9	-.4	.0	.0	-.0	-1.6	.1	.0	.0	17.8	16.5	92.6	58.3
109.0	77.9	.9	-.4	.0	.0	-.1	-1.7	.1	.0	.0	18.3	17.0	96.2	60.9
110.0	81.0	.9	-.4	.0	.0	-.1	-1.7	.1	.0	.0	18.8	17.5	99.7	63.5
111.0	84.1	.9	-.4	.0	.0	-.1	-1.8	.1	.0	.0	19.2	18.0	103.3	66.1
112.0	87.2	.9	-.4	.0	.0	-.1	-1.8	.1	.0	.0	19.7	18.5	106.9	68.7
113.0	90.4	.9	-.5	.0	.0	-.1	-1.9	.1	.0	.0	20.1	19.0	110.4	71.3
114.0	93.5	1.0	-.5	.0	.0	-.1	-2.0	.1	.0	.0	20.4	19.5	114.0	74.0
115.0	96.7	1.0	-.5	.0	.0	-.1	-2.0	.1	.0	.0	20.8	20.0	117.5	76.7
116.0	99.8	1.0	-.5	.0	.0	-.1	-2.1	.1	.0	.0	21.1	20.5	120.9	79.3
117.0	102.8	1.0	-.5	.0	.0	-.1	-2.2	.1	.0	.0	21.5	20.9	124.3	82.0
118.0	105.8	1.0	-.5	.0	.0	-.1	-2.2	.1	.0	.0	21.8	21.2	127.6	84.6
119.0	108.7	1.0	-.5	.0	.0	-.1	-2.3	.1	.0	.0	22.2	21.6	130.9	87.1
120.0	111.5	1.0	-.5	.0	.0	-.1	-2.3	.1	.0	.0	22.6	21.9	134.1	89.6
121.0	114.2	1.1	-.5	.0	.0	-.1	-2.4	.1	.0	.0	23.0	22.2	137.2	92.1
122.0	116.9	1.1	-.5	.0	.0	-.1	-2.5	.1	.0	.0	23.4	22.5	140.3	94.4
123.0	119.4	1.1	-.5	.0	.0	-.1	-2.5	.1	.0	.0	23.9	22.8	143.3	96.6
124.0	121.9	1.1	-.5	.0	.0	-.1	-2.6	.2	.0	.0	24.3	23.1	146.2	98.8
125.0	124.3	1.1	-.6	.0	.0	-.1	-2.6	.2	.0	.0	24.8	23.4	149.0	100.9
126.0	126.6	1.1	-.6	.0	.0	-.1	-2.7	.2	.0	.0	25.2	23.7	151.8	102.9
127.0	128.8	1.1	-.6	.0	.0	-.1	-2.7	.2	.0	.0	25.7	24.0	154.5	104.7
128.0	130.9	1.1	-.6	.0	.0	-.1	-2.8	.2	.0	.0	26.1	24.4	157.1	106.6
129.0	133.0	1.1	-.6	.0	.0	-.1	-2.8	.2	.0	.0	26.6	24.7	159.6	108.3
130.0	135.0	1.1	-.6	.0	.0	-.1	-2.9	.2	.0	.0	27.1	25.1	162.1	110.0
131.0	137.0	1.2	-.6	.0	.0	-.1	-2.9	.2	.0	.0	27.6	25.4	164.6	111.6
132.0	138.9	1.2	-.6	.0	.0	-.1	-3.0	.2	.0	.0	28.1	25.8	167.0	113.1
133.0	140.8	1.2	-.6	.0	.0	-.1	-3.0	.2	.0	.0	28.5	26.2	169.3	114.6
134.0	142.6	1.2	-.6	.0	.0	-.1	-3.0	.2	.0	.0	29.0	26.6	171.6	116.0
135.0	144.4	1.2	-.6	.0	.0	-.1	-3.1	.3	.0	.0	29.4	27.0	173.8	117.4
140.0	153.9	1.3	-.7	.0	.0	-.2	-3.5	.3	.0	.0	34.1	31.0	194.0	128.9
145.0	162.7	1.4	-.7	.0	.0	-.2	-3.8	.4	.0	.0	38.5	34.8	210.8	137.5
150.0	171.3	1.4	-.7	.0	.0	-.2	-4.1	.4	.0	.0	42.6	38.6	225.2	144.1
155.0	179.7	1.4	-.8	.0	.0	-.3	-4.4	.5	.0	.0	46.6	42.2	237.9	149.0
160.0	187.9	1.4	-.8	.0	.0	-.3	-4.6	.5	.0	.0	50.5	45.6	248.7	152.7
165.0	195.9	1.4	-.8	.0	.0	-.3	-4.9	.6	.0	.0	54.0	48.5	257.9	155.4
170.0	203.8	1.4	-.8	.0	.0	-.4	-5.1	.7	.0	.0	57.3	51.1	265.7	157.3
175.0	211.5	1.3	-.8	.0	.0	-.4	-5.2	.7	.0	.0	60.1	53.2	272.2	158.9
180.0	219.0	1.3	-.8	.0	.0	-.4	-5.4	.8	.0	.0	62.6	54.8	277.5	160.2
185.0	226.4	1.3	-.8	.0	.0	-.4	-5.5	.8	.0	.0	64.5	56.1	282.0	161.3
190.0	233.6	1.3	-.8	.0	.0	-.4	-5.5	.8	.0	.0	66.2	57.3	285.7	162.3
195.0	240.6	1.3	-.7	.0	.0	-.5	-5.6	.9	.0	.0	67.6	58.2	289.0	163.2
200.0	247.4	1.3	-.7	.0	.0	-.5	-5.7	.9	.0	.0	68.7	59.0	291.7	164.1
205.0	254.0	1.3	-.7	.0	.0	-.5	-5.7	.9	.0	.0	69.7	59.7	294.2	164.8

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AHI	POS		
285.0	225.9	1.5	.8	.0	.0	-.5	-.3	-1.0	.0	.0	70.6	60.3	296.4	165.6
295.0	227.2	-1.6	.8	.0	.0	-.5	-.3	-1.0	.0	.0	71.4	60.8	298.6	166.3
305.0	228.4	-1.6	.8	.0	.0	.5	.3	-1.0	.0	.0	72.2	61.4	300.6	167.1
315.0	229.7	-1.6	.8	.0	.0	.5	.3	-1.0	.0	.0	72.9	61.9	302.6	167.8
325.0	231.0	-1.6	.8	.0	.0	.5	.3	-1.0	.0	.0	73.6	62.4	304.6	168.6
335.0	232.4	-1.6	.8	.0	.0	.5	.3	-1.1	.0	.0	74.3	62.9	306.6	169.5
345.0	233.8	-1.6	.8	.0	.0	.6	.3	-1.1	.0	.0	74.9	63.5	308.8	170.3
355.0	235.4	-1.6	.8	.0	.0	.6	.3	-1.1	.0	.0	75.6	64.1	311.0	171.3
365.0	237.0	-1.7	.8	.0	.0	.6	.3	-1.1	.0	.0	76.4	64.7	313.4	172.4
375.0	238.9	-1.7	.8	.0	.0	.6	.3	-1.1	.0	.0	77.2	65.3	316.0	173.6
385.0	240.9	-1.7	.8	.0	.0	.6	.3	-1.2	.0	.0	78.0	66.0	318.9	174.9
395.0	243.3	-1.8	.8	.0	.0	.6	.3	-1.2	.0	.0	78.9	66.8	322.1	176.5
405.0	245.9	-1.9	.8	.0	.0	.6	.3	-1.2	.0	.0	79.8	67.6	325.7	178.3
415.0	248.9	-1.9	.8	.0	.0	.6	.3	-1.2	.0	.0	80.8	68.5	329.7	180.4
425.0	252.4	-2.0	.8	.0	.0	.6	.3	-1.3	.0	.0	81.9	69.4	334.2	182.9
435.0	256.4	-2.2	.8	.0	.0	.7	.3	-1.3	.0	.0	83.0	70.4	339.4	186.0
445.0	261.1	-2.3	.9	.0	.0	.7	.3	-1.3	.0	.0	84.3	71.5	345.4	189.6
455.0	266.6	-2.6	.9	.0	.0	.7	.3	-1.4	.0	-.0	85.7	72.6	352.3	193.9
465.0	273.1	-2.8	.9	.0	.0	.7	.3	-1.4	.0	-.0	87.3	73.9	360.3	199.1
475.0	280.7	-3.1	.9	.0	.0	.7	.3	-1.5	.0	-.0	88.9	75.3	369.6	205.4
485.0	289.9	-3.5	1.0	.0	.0	.8	.4	-1.5	.0	-.0	90.6	76.9	380.5	213.0
495.0	300.7	-4.0	1.0	.0	.0	.8	.4	-1.5	.0	-.0	92.4	78.5	393.1	222.2
505.0	313.6	-4.6	1.1	.0	.0	.8	.4	-1.6	.0	-.0	94.3	80.2	407.8	233.3
515.0	328.8	-5.4	1.1	.0	.0	.8	.4	-1.6	.0	-.0	96.1	82.0	424.9	246.8
525.0	346.7	-6.2	1.2	.0	.0	.8	.4	-1.7	.0	-.0	97.8	83.7	444.5	263.0
535.0	367.6	-7.2	1.2	.0	.0	.8	.4	-1.7	.0	-.0	99.2	85.4	466.8	282.2
545.0	391.6	-8.3	1.3	.0	.0	.8	.4	-1.7	.0	-.0	100.4	86.8	492.0	304.8
555.0	418.8	-9.5	1.4	.0	.0	.8	.4	-1.7	.0	-.0	101.5	88.0	520.3	330.8
565.0	449.2	-10.6	1.5	.0	.0	.8	.4	-1.7	.0	-.0	102.2	89.1	551.5	360.1

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9			AHI	NEG
285.0	225.9	1.2	-.7	.0	.0	-.5	-5.8	.9	.0	.0	70.6	60.3	296.4	165.6
295.0	227.2	1.2	-.7	.0	.0	-.5	-5.8	.9	.0	.0	71.4	60.8	298.6	166.3
305.0	228.4	1.2	-.7	.0	.0	-.5	-5.9	1.0	.0	.0	72.2	61.4	300.6	167.1
315.0	229.7	1.2	-.8	.0	.0	-.5	-5.9	1.0	.0	.0	72.9	61.9	302.6	167.8
325.0	231.0	1.2	-.8	.0	.0	-.5	-6.0	1.0	.0	.0	73.6	62.4	304.6	168.6
335.0	232.4	1.3	-.8	.0	.0	-.5	-6.0	1.0	.0	.0	74.3	62.9	306.6	169.5
345.0	233.8	1.3	-.8	.0	.0	-.5	-6.0	1.0	.0	.0	74.9	63.5	308.8	170.3
355.0	235.4	1.3	-.8	.0	.0	-.6	-6.1	1.0	.0	.0	75.6	64.1	311.0	171.3
365.0	237.0	1.3	-.8	.0	.0	-.6	-6.1	1.1	.0	.0	76.4	64.7	313.4	172.4
375.0	238.9	1.3	-.8	.0	.0	-.6	-6.2	1.1	.0	.0	77.2	65.3	316.0	173.6
385.0	240.9	1.4	-.8	.0	.0	-.6	-6.3	1.1	.0	.0	78.0	66.0	318.9	174.9
395.0	243.3	1.4	-.8	.0	.0	-.6	-6.3	1.1	.0	.0	78.9	66.8	322.1	176.5
405.0	245.9	1.5	-.8	.0	.0	-.6	-6.4	1.1	.0	.0	79.8	67.6	325.7	178.3
415.0	248.9	1.6	-.8	.0	.0	-.6	-6.4	1.2	.0	.0	80.8	68.5	329.7	180.4
425.0	252.4	1.7	-.8	.0	.0	-.6	-6.5	1.2	.0	.0	81.9	69.4	334.2	182.9
435.0	256.4	1.8	-.8	.0	.0	-.7	-6.6	1.2	.0	.0	83.0	70.4	339.4	186.0
445.0	261.1	2.0	-.8	.0	.0	-.7	-6.7	1.3	.0	.0	84.3	71.5	345.4	189.6
455.0	266.6	2.2	-.8	.0	.0	-.7	-6.8	1.3	.0	.0	85.7	72.6	352.3	193.9
465.0	273.1	2.4	-.9	.0	.0	-.7	-6.9	1.3	.0	.0	87.3	73.9	360.3	199.1
475.0	280.7	2.7	-.9	.0	.0	-.7	-7.0	1.4	.0	.0	88.9	75.3	369.6	205.4
485.0	289.9	3.1	-.9	.0	.0	-.7	-7.1	1.4	.0	.0	90.6	76.9	380.5	213.0
495.0	300.9	3.6	-.9	.0	.0	-.8	-7.3	1.4	.0	.0	92.4	78.5	393.1	222.2
505.0	313.6	4.2	-1.0	.0	.0	-.8	-7.4	1.5	-.0	.0	94.3	80.2	407.8	233.3
515.0	328.8	5.0	-1.0	.0	.0	-.8	-7.6	1.5	-.0	.0	96.1	82.0	424.9	246.8
525.0	346.7	5.8	-1.1	.0	.0	-.8	-7.7	1.5	-.0	.0	97.8	83.7	444.5	263.0
535.0	367.6	6.8	-1.2	.0	.0	-.8	-7.8	1.5	-.0	.0	99.2	85.4	466.8	282.2
545.0	391.6	7.8	-1.2	.0	.0	-.8	-8.0	1.6	-.0	.0	100.4	86.8	492.0	304.8
555.0	418.8	8.9	-1.3	.0	.0	-.8	-8.1	1.6	-.0	.0	101.5	88.0	520.3	330.8
565.0	449.2	9.9	-1.4	.0	.0	-.8	-8.2	1.6	-.0	.0	102.2	89.1	551.5	360.1

ÖN/Ö

AHI POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	1.6	.0	.0	.0	.0	-.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	.0	.0	.0	.0	-.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	.0	.0	.0	.0	-.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	.0	.0	.0	.0	-.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	.0	.0	.0	.0	-.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	.0	.0	.0	.0	-.0	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	.0	.0	.0	.0	-.1	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	.1	.0	.0	.0	-.1	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	.1	.0	.0	-.0	-.1	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	.1	.0	.0	-.0	-.1	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	.1	.0	.0	-.0	-.1	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	.1	.0	.0	-.0	-.1	.0	.0	.0	1.1	1.2	4.3	2.0
62.0	3.4	.1	.0	.0	-.0	-.1	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	.1	.0	.0	-.0	-.1	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	.1	.0	.0	-.0	-.1	.0	.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	.2	-.0	.0	-.0	-.1	.0	.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	.2	-.0	.0	-.0	-.1	.0	.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	.2	-.0	.0	-.0	-.1	.0	.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	.2	-.0	.0	-.0	-.1	.0	.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	.2	-.0	.0	-.0	-.2	.0	.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	.3	-.0	.0	-.0	-.2	.0	.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	.3	-.0	.0	-.0	-.2	.0	.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	.3	-.0	.1	-.0	-.2	.0	.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	.4	-.0	.1	-.0	-.2	.0	.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	.4	-.0	.1	-.0	-.2	.0	.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	.4	-.0	.1	-.0	-.3	.0	.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	.5	-.0	.1	-.0	-.3	.0	.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	.6	-.0	.1	-.0	-.3	.0	.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	.6	-.0	.1	-.0	-.3	.0	.0	.0	4.4	3.3	14.8	7.1
79.0	11.4	.7	-.0	.1	-.0	-.4	.0	.0	.0	4.8	3.7	16.2	7.7
80.0	12.4	.8	-.1	.1	-.0	-.4	.0	.0	.0	5.2	4.0	17.6	8.4
81.0	13.5	.9	-.1	.1	-.0	-.4	.0	.0	.0	5.6	4.4	19.1	9.1
82.0	14.7	1.0	-.1	.2	-.1	-.5	.0	.0	.0	6.1	4.8	20.8	9.9
83.0	16.0	1.1	-.1	.2	-.1	-.5	.0	.0	.0	6.5	5.2	22.5	10.8
84.0	17.4	1.2	-.1	.2	-.1	-.6	.0	.0	.0	6.9	5.6	24.4	11.8
85.0	18.9	1.3	-.1	.2	-.1	-.7	.0	.0	.0	7.4	6.0	26.3	12.9
86.0	20.5	1.5	-.1	.2	-.1	-.7	.0	.0	.0	7.8	6.5	28.3	14.1
87.0	22.2	1.6	-.1	.3	-.1	-.8	.0	.0	.0	8.2	6.9	30.5	15.3
88.0	24.1	1.8	-.1	.3	-.1	-.9	.0	.0	.0	8.7	7.3	32.7	16.7
89.0	25.9	2.0	-.1	.3	-.1	-1.0	.0	.0	.0	9.1	7.8	35.0	18.1
90.0	27.9	2.2	-.1	.4	-.1	-1.0	.0	.0	.0	9.6	8.2	37.4	19.6
91.0	29.9	2.4	-.1	.4	-.1	-1.1	.0	.0	.0	10.0	8.7	39.9	21.2
92.0	32.1	2.7	-.2	.4	-.1	-1.2	.0	.0	.0	10.5	9.1	42.5	22.9
93.0	34.3	2.9	-.2	.5	-.1	-1.3	.0	.0	.0	10.9	9.6	45.2	24.7
94.0	36.6	3.2	-.2	.5	-.1	-1.5	.0	.0	.0	11.4	10.1	47.9	26.5
95.0	38.9	3.4	-.2	.6	-.1	-1.6	.0	.0	.0	11.8	10.5	50.7	28.4
96.0	41.4	3.7	-.2	.6	-.1	-1.7	.0	.0	.0	12.2	11.0	53.6	30.4
97.0	43.9	4.0	-.2	.7	-.1	-1.8	.0	.0	.0	12.7	11.5	56.6	32.4
98.0	46.5	4.3	-.2	.8	-.1	-2.0	.0	.0	.0	13.1	12.0	59.6	34.5
99.0	49.1	4.7	-.3	.9	-.1	-2.1	.0	.0	.0	13.6	12.4	62.7	36.7

GNZC

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	NEG
50.0	1.6	-.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	2.1	.8
51.0	1.7	-.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.3	.9
52.0	1.8	-.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	2.5	1.0
53.0	1.9	-.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	-.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	-.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	3.0	1.3
56.0	2.4	-.0	.0	.0	.0	.1	.0	.0	.0	.8	1.0	3.2	1.4
57.0	2.5	-.1	.0	-.0	.0	.1	.0	.0	.0	.9	1.0	3.4	1.5
58.0	2.7	-.1	.0	-.0	.0	.1	.0	.0	.0	.9	1.1	3.6	1.6
59.0	2.8	-.1	.0	-.0	.0	.1	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	3.0	-.1	.0	-.0	.0	.1	.0	.0	.0	1.0	1.1	4.0	1.9
61.0	3.2	-.1	.0	-.0	.0	.1	.0	.0	.0	1.1	1.2	4.3	2.0
62.0	3.4	-.1	.0	-.0	.0	.1	.0	.0	.0	1.2	1.2	4.6	2.2
63.0	3.6	-.1	.0	-.0	.0	.1	.0	.0	.0	1.3	1.2	4.8	2.3
64.0	3.8	-.1	.0	-.0	.0	.1	.0	.0	.0	1.4	1.3	5.1	2.5
65.0	4.0	-.1	.0	-.0	.0	.1	.0	.0	.0	1.4	1.3	5.5	2.7
66.0	4.3	-.2	.0	-.0	.0	.1	.0	.0	.0	1.6	1.4	5.8	2.9
67.0	4.6	-.2	.0	-.0	.0	.1	.0	.0	.0	1.7	1.4	6.2	3.1
68.0	4.9	-.2	.0	-.0	.0	.2	.0	.0	.0	1.8	1.5	6.7	3.3
69.0	5.2	-.2	.0	-.0	.0	.2	.0	.0	.0	2.0	1.6	7.2	3.6
70.0	5.6	-.2	.0	-.0	.0	.2	.0	.0	.0	2.1	1.7	7.7	3.8
71.0	6.0	-.3	.0	-.0	.0	.2	.0	.0	.0	2.3	1.8	8.3	4.1
72.0	6.4	-.3	.0	-.0	.0	.2	.0	.0	.0	2.5	2.0	9.0	4.4
73.0	6.9	-.3	.0	-.1	.0	.2	.0	.0	.0	2.8	2.2	9.7	4.8
74.0	7.5	-.4	.0	-.1	.0	.2	.0	.0	.0	3.1	2.3	10.6	5.2
75.0	8.1	-.4	.0	-.1	.0	.3	.0	.0	.0	3.3	2.6	11.5	5.6
76.0	8.8	-.5	.0	-.1	.0	.3	.0	.0	.0	3.7	2.8	12.5	6.0
77.0	9.6	-.5	.0	-.1	.0	.3	.0	.0	.0	4.0	3.1	13.6	6.5
78.0	10.4	-.6	.0	-.1	.0	.3	.0	.0	.0	4.4	3.3	14.8	7.1
79.0	11.4	-.6	.0	-.1	.0	.4	.0	.0	.0	4.8	3.7	16.2	7.7
80.0	12.4	-.7	.0	-.1	.0	.4	.0	.0	.0	5.2	4.0	17.6	8.4
81.0	13.5	-.8	.0	-.1	.0	.4	.0	.0	.0	5.8	4.4	19.1	9.1
82.0	14.7	-.9	.0	-.1	.0	.5	.0	.0	.0	6.1	4.8	20.8	9.9
83.0	16.0	-1.0	.0	-.2	.0	.5	.0	.0	.0	6.5	5.2	22.5	10.8
84.0	17.4	-1.1	.0	-.2	.0	.6	.0	.0	.0	6.9	5.6	24.4	11.8
85.0	18.9	-1.2	.0	-.2	.0	.6	.0	.0	.0	7.4	6.0	26.3	12.9
86.0	20.5	-1.4	.0	-.2	.0	.7	.0	.0	.0	7.8	6.5	28.3	14.1
87.0	22.2	-1.5	.0	-.3	.0	.8	.0	.0	.0	8.2	6.9	30.5	15.3
88.0	24.0	-1.7	.0	-.3	.0	.8	.0	.0	.0	8.7	7.3	32.7	16.7
89.0	25.9	-1.9	.0	-.3	.0	.9	.0	.0	.0	9.1	7.8	35.0	18.1
90.0	27.9	-2.1	.0	-.4	.0	1.0	.0	.0	.0	9.6	8.2	37.4	19.6
91.0	29.9	-2.3	.0	-.4	.1	1.1	.0	.0	.0	10.0	8.7	39.9	21.2
92.0	32.1	-2.5	.1	-.4	.1	1.2	.0	.0	.0	10.5	9.1	42.5	22.9
93.0	34.3	-2.7	.1	-.5	.1	1.3	.0	.0	.0	10.9	9.6	45.2	24.7
94.0	36.6	-2.9	.1	-.5	.1	1.4	.0	.0	.0	11.4	10.1	47.9	26.5
95.0	38.9	-3.2	.1	-.6	.1	1.5	.0	.0	.0	11.8	10.5	50.7	28.4
96.0	41.4	-3.5	.1	-.6	.1	1.6	.0	.0	.0	12.2	11.0	53.6	30.4
97.0	43.9	-3.7	.1	-.7	.1	1.8	.0	.0	.0	12.7	11.5	56.6	32.4
98.0	46.5	-4.0	.1	-.7	.1	1.9	.0	.0	.0	13.1	12.0	59.6	34.5
99.0	49.1	-4.3	.1	-.8	.1	2.1	.0	-.0	.0	13.6	12.4	62.7	36.7

GN/C

AHI POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	51.8	5.0	-.3	.9	-.1	-2.3	.0	.0	.0	14.0	12.9	65.8	38.9
101.0	54.5	5.4	-.3	1.0	-.1	-2.4	.0	.0	.0	14.4	13.3	69.0	41.2
102.0	57.3	5.7	-.3	1.0	-.1	-2.6	.0	.0	.0	14.9	13.8	72.2	43.5
103.0	60.1	6.1	-.3	1.1	-.1	-2.7	.0	.0	.0	15.4	14.2	75.5	45.9
104.0	63.0	6.5	-.3	1.2	-.1	-2.9	.0	.0	.0	15.8	14.7	78.8	48.3
105.0	65.9	6.9	-.4	1.3	-.1	-3.1	.0	.0	.0	16.3	15.1	82.2	50.7
106.0	68.8	7.3	-.4	1.4	-.1	-3.3	.0	.0	.0	16.8	15.6	85.6	53.2
107.0	71.8	7.7	-.4	1.5	-.1	-3.4	.0	.0	.0	17.3	16.1	89.1	55.8
108.0	74.8	8.1	-.4	1.5	-.1	-3.6	.0	.0	.0	17.8	16.5	92.6	58.3
109.0	77.9	8.5	-.4	1.6	-.1	-3.8	.0	.0	.0	18.3	17.0	96.2	60.9
110.0	81.0	9.0	-.5	1.7	-.2	-4.0	.0	.0	.0	18.8	17.5	99.7	63.5
111.0	84.1	9.4	-.5	1.8	-.2	-4.2	.0	.0	.0	19.2	18.0	103.3	66.1
112.0	87.2	9.8	-.5	2.0	-.2	-4.4	.0	.0	.0	19.7	18.5	106.9	68.7
113.0	90.4	10.3	-.5	2.1	-.2	-4.6	.0	.0	.0	20.1	19.0	110.4	71.3
114.0	93.5	10.8	-.5	2.2	-.2	-4.8	.0	.0	.0	20.4	19.5	114.0	74.0
115.0	96.7	11.2	-.6	2.3	-.2	-5.0	.0	.0	.0	20.8	20.0	117.5	76.7
116.0	99.8	11.7	-.6	2.4	-.2	-5.2	.0	.0	.0	21.1	20.5	120.9	79.3
117.0	102.8	12.1	-.6	2.5	-.2	-5.4	.0	.0	.0	21.5	20.9	124.3	82.0
118.0	105.8	12.6	-.6	2.7	-.2	-5.6	.0	.0	.0	21.8	21.2	127.6	84.6
119.0	108.7	13.1	-.6	2.8	-.2	-5.8	.0	.0	.0	22.2	21.6	130.9	87.1
120.0	111.5	13.5	-.7	2.9	-.2	-6.0	.0	.1	.0	22.6	21.9	134.1	89.6
121.0	114.2	13.9	-.7	3.0	-.2	-6.2	.0	.1	.0	23.0	22.2	137.2	92.1
122.0	116.9	14.4	-.7	3.1	-.2	-6.4	.0	.1	.0	23.4	22.5	140.3	94.4
123.0	119.4	14.8	-.7	3.3	-.2	-6.6	.0	.1	.0	23.9	22.8	143.3	96.6
124.0	121.9	15.2	-.7	3.4	-.2	-6.8	.0	.1	.0	24.3	23.1	146.2	98.8
125.0	124.3	15.6	-.8	3.5	-.2	-7.0	.0	.1	.0	24.8	23.4	149.0	100.9
126.0	126.6	16.0	-.8	3.6	-.2	-7.2	.0	.1	.0	25.2	23.7	151.8	102.9
127.0	128.8	16.4	-.8	3.7	-.2	-7.4	.0	.1	.0	25.7	24.0	154.5	104.7
128.0	130.9	16.8	-.8	3.8	-.2	-7.5	.0	.1	.0	26.1	24.4	157.1	106.6
129.0	133.0	17.2	-.8	3.9	-.2	-7.7	.0	.1	.0	26.6	24.7	159.6	108.3
130.0	135.0	17.5	-.8	4.0	-.2	-7.9	.0	.1	.0	27.1	25.1	162.1	110.0
131.0	137.0	17.9	-.8	4.1	-.2	-8.0	.0	.1	.0	27.6	25.4	164.6	111.6
132.0	138.9	18.2	-.9	4.2	-.2	-8.2	.0	.1	.0	28.1	25.8	167.0	113.1
133.0	140.8	18.6	-.9	4.3	-.2	-8.4	.0	.1	.0	28.5	26.2	169.3	114.6
134.0	142.6	18.9	-.9	4.4	-.2	-8.5	.0	.1	.0	29.0	26.6	171.6	116.0
135.0	144.4	19.2	-.9	4.5	-.2	-8.7	.0	.1	.0	29.4	27.0	173.8	117.4
145.0	159.9	22.4	-1.0	5.5	-.2	-10.2	.0	.1	.0	34.1	31.0	194.0	128.9
155.0	172.3	25.2	-1.2	6.4	-.2	-11.5	.0	.1	.0	38.5	34.8	210.8	137.5
165.0	182.7	27.7	-1.3	7.2	-.2	-12.7	.0	.1	-.0	42.6	38.6	225.2	144.1
175.0	191.3	30.1	-1.4	8.0	-.2	-14.0	.0	.1	-.0	46.6	42.2	237.9	149.0
185.0	198.2	32.4	-1.5	8.7	-.1	-15.1	.0	.2	-.0	50.5	45.6	248.7	152.7
195.0	203.9	34.5	-1.5	9.4	-.1	-16.1	.0	.2	-.0	54.0	48.5	257.9	155.4
205.0	208.4	36.4	-1.6	10.1	-.1	-16.9	.0	.2	-.0	57.3	51.1	265.7	157.3
215.0	212.1	38.1	-1.7	10.7	-.1	-17.7	.0	.2	-.0	60.1	53.2	272.2	158.9
225.0	215.0	39.5	-1.7	11.1	-.1	-18.3	.0	.2	-.0	62.6	54.8	277.5	160.2
235.0	217.4	40.7	-1.8	11.5	-.1	-18.8	.0	.2	-.1	64.5	56.1	282.0	161.3
245.0	219.6	41.7	-1.8	11.8	-.0	-19.2	.0	.2	-.1	66.2	57.3	285.7	162.3
255.0	221.4	42.5	-1.8	12.1	-.0	-19.6	.0	.2	-.1	67.6	58.2	289.0	163.2
265.0	223.0	43.2	-1.9	12.3	-.0	-19.8	.0	.2	-.1	68.7	59.0	291.7	164.1
275.0	224.5	43.8	-1.9	12.5	-.0	-20.1	.0	.2	-.1	69.7	59.7	294.2	164.8

GN2C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AMI	REG		
100.0	51.8	-4.6	.1	-.8	.1	2.4	.0	-.0	.0	14.0	12.9	65.8	38.9
101.0	54.5	-5.0	.1	-.9	.1	2.5	.0	-.0	.0	14.4	13.3	69.0	41.2
102.0	57.3	-5.3	.1	-1.0	.1	2.7	.0	-.0	.0	14.9	13.8	72.2	43.5
103.0	60.1	-5.6	.1	-1.1	.1	2.9	.0	-.0	.0	15.4	14.2	75.5	45.9
104.0	63.0	-6.0	.1	-1.1	.1	3.0	.0	-.0	.0	15.8	14.7	78.8	48.3
105.0	65.9	-6.3	.1	-1.2	.1	3.2	.0	-.0	.0	16.3	15.1	82.2	50.7
106.0	68.8	-6.7	.1	-1.3	.1	3.4	.0	-.0	.0	16.8	15.6	85.6	53.2
107.0	71.8	-7.0	.1	-1.4	.1	3.6	.0	-.0	.0	17.3	16.1	89.1	55.8
108.0	74.8	-7.4	.1	-1.5	.1	3.8	.0	-.0	.0	17.8	16.5	92.6	58.3
109.0	77.9	-7.8	.1	-1.6	.1	4.0	.0	-.0	.0	18.3	17.0	96.2	60.9
110.0	81.0	-8.2	.1	-1.7	.1	4.2	.0	-.0	.0	18.8	17.5	99.7	63.5
111.0	84.1	-8.6	.1	-1.8	.1	4.4	.0	-.0	.0	19.2	18.0	103.3	66.1
112.0	87.2	-9.0	.1	-1.9	.1	4.6	.0	-.0	.0	19.7	18.5	106.9	68.7
113.0	90.4	-9.4	.1	-2.0	.1	4.8	.0	-.0	.0	20.1	19.0	110.4	71.3
114.0	93.5	-9.8	.1	-2.1	.1	5.0	.0	-.0	.0	20.4	19.5	114.0	74.0
115.0	96.7	-10.2	.1	-2.2	.1	5.3	.0	-.0	.0	20.8	20.0	117.5	76.7
116.0	99.8	-10.6	.1	-2.3	.1	5.5	.0	-.0	.0	21.1	20.5	120.9	79.3
117.0	102.8	-11.0	.1	-2.4	.1	5.7	.0	-.0	.0	21.5	20.9	124.3	82.0
118.0	105.8	-11.4	.1	-2.5	.1	5.9	.0	-.0	.0	21.8	21.2	127.6	84.6
119.0	108.7	-11.9	.1	-2.6	.1	6.1	.0	-.0	.0	22.2	21.6	130.9	87.1
120.0	111.5	-12.2	.1	-2.7	.1	6.4	.0	-.0	.0	22.6	21.9	134.1	89.6
121.0	114.2	-12.6	.1	-2.9	.1	6.6	.0	-.0	.0	23.0	22.2	137.2	92.1
122.0	116.9	-13.0	.1	-3.0	.1	6.8	.0	-.0	.0	23.4	22.5	140.3	94.4
123.0	119.4	-13.4	.1	-3.1	.1	7.0	.0	-.1	.0	23.9	22.8	143.3	96.6
124.0	121.9	-13.8	.1	-3.2	.1	7.2	.0	-.1	.0	24.3	23.1	146.2	98.8
125.0	124.3	-14.1	.1	-3.3	.1	7.4	.0	-.1	.0	24.8	23.4	149.0	100.9
126.0	126.6	-14.5	.1	-3.4	.1	7.6	.0	-.1	.0	25.2	23.7	151.8	102.9
127.0	128.8	-14.8	.1	-3.5	.1	7.8	.0	-.1	.0	25.7	24.0	154.5	104.7
128.0	130.9	-15.1	.1	-3.6	.1	8.0	.0	-.1	.0	26.1	24.4	157.1	106.6
129.0	133.0	-15.5	.1	-3.7	.1	8.2	.0	-.1	.0	26.6	24.7	159.6	108.3
130.0	135.0	-15.8	.1	-3.8	.1	8.4	.0	-.1	.0	27.1	25.1	162.1	110.0
131.0	137.0	-16.1	.1	-3.9	.1	8.5	.0	-.1	.0	27.6	25.4	164.6	111.6
132.0	138.9	-16.4	.1	-4.0	.1	8.7	.0	-.1	.0	28.1	25.8	167.0	113.1
133.0	140.8	-16.7	.1	-4.1	.1	8.9	.0	-.1	.0	28.5	26.2	169.3	114.6
134.0	142.6	-17.0	.1	-4.2	.1	9.0	.0	-.1	.0	29.0	26.6	171.6	116.0
135.0	144.4	-17.3	.1	-4.3	.1	9.2	.0	-.1	.0	29.4	27.0	173.8	117.4
145.0	159.9	-20.0	.1	-5.2	.0	10.9	.0	-.1	.0	34.1	31.0	194.0	128.9
155.0	172.3	-22.4	.1	-5.9	.0	12.3	.0	-.1	.0	38.5	34.8	210.8	137.5
165.0	182.7	-24.6	.1	-6.7	-.0	13.6	.0	-.1	.0	42.6	38.6	225.2	144.1
175.0	191.3	-26.7	.1	-7.4	-.1	14.9	.0	-.1	.0	46.6	42.2	237.9	149.0
185.0	198.2	-28.6	.1	-8.1	-.1	16.2	.0	-.1	.0	50.5	45.6	248.7	152.7
195.0	203.9	-30.3	.1	-8.8	-.1	17.3	.0	-.1	.0	54.0	48.5	257.9	155.4
205.0	208.4	-31.8	.1	-9.3	-.2	18.3	.0	-.2	.0	57.3	51.1	265.7	157.3
215.0	212.1	-33.0	.1	-9.8	-.2	19.2	.0	-.2	.0	60.1	53.2	272.2	158.9
225.0	215.0	-34.0	.1	-10.2	-.2	20.0	.0	-.2	.1	62.6	54.8	277.5	160.2
235.0	217.4	-34.8	.1	-10.5	-.2	20.6	.0	-.2	.1	64.5	56.1	282.0	161.3
245.0	219.6	-35.5	.1	-10.8	-.2	21.1	.0	-.2	.1	66.2	57.3	285.7	162.3
255.0	221.4	-36.1	.1	-11.0	-.3	21.6	.0	-.2	.1	67.6	58.2	289.0	163.2
265.0	223.0	-36.6	.1	-11.2	-.3	21.9	.0	-.2	.1	68.7	59.0	291.7	164.1
275.0	224.5	-37.0	.1	11.4	-.3	22.2	.0	-.2	.1	69.7	59.7	294.2	164.8

GN/C

AHI POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	225.9	44.3	-1.9	12.7	-.0	-20.4	.0	.2	-.1	70.6	60.3	296.4	165.6
295.0	227.2	44.8	-1.9	12.9	.0	-20.6	.0	.2	-.1	71.4	60.8	298.6	166.3
305.0	228.4	45.3	-1.9	13.0	.0	-20.8	.0	.3	-.1	72.2	61.4	300.6	167.1
315.0	229.7	45.7	-2.0	13.2	.0	-20.9	.0	.3	-.2	72.9	61.9	302.6	167.8
325.0	231.0	46.1	-2.0	13.3	.0	-21.1	.0	.3	-.2	73.6	62.4	304.6	168.6
335.0	232.4	46.5	-2.0	13.5	.0	-21.3	.0	.3	-.2	74.3	62.9	306.6	169.5
345.0	233.8	46.9	-2.0	13.6	.0	-21.5	.0	.3	-.2	74.9	63.5	308.8	170.3
355.0	235.4	47.4	-2.0	13.7	.0	-21.8	.0	.3	-.2	75.6	64.1	311.0	171.3
365.0	237.0	47.8	-2.0	13.9	.0	-22.0	.0	.3	-.2	76.4	64.7	313.4	172.4
375.0	238.9	48.3	-2.0	14.1	.1	-22.2	.0	.3	-.3	77.2	65.3	316.0	173.6
385.0	240.9	48.7	-2.1	14.3	.1	-22.5	.0	.3	-.3	78.0	66.0	318.9	174.9
395.0	243.1	49.3	-2.1	14.4	.1	-22.8	.0	.3	-.3	78.9	66.8	322.1	176.5
405.0	245.9	49.8	-2.1	14.6	.1	-23.1	.0	.3	-.4	79.8	67.6	325.7	178.3
415.0	248.9	50.4	-2.1	14.9	.1	-23.4	.0	.3	-.4	80.8	68.5	329.7	180.4
425.0	252.4	51.1	-2.1	15.1	.1	-23.8	.0	.3	-.4	81.9	69.4	334.2	182.9
435.0	256.4	51.8	-2.2	15.3	.1	-24.1	.0	.3	-.5	83.0	70.4	339.4	186.0
445.0	261.1	52.5	-2.2	15.6	.1	-24.5	.0	.3	-.6	84.3	71.5	345.4	189.6
455.0	266.6	53.4	-2.2	15.9	.1	-24.9	.0	.3	-.7	85.7	72.6	352.3	193.9
465.0	273.1	54.3	-2.3	16.3	.1	-25.4	.0	.3	-.8	87.3	73.9	360.3	199.1
475.0	281.7	55.3	-2.3	16.6	.2	-25.9	.0	.3	-1.0	88.9	75.3	369.6	205.4
485.0	289.9	56.3	-2.3	17.0	.2	-26.4	.0	.3	-1.2	90.6	76.9	380.5	213.0
495.0	300.7	57.4	-2.4	17.4	.2	-27.0	.0	.4	-1.5	92.4	78.5	393.1	222.2
505.0	313.6	58.4	-2.4	17.8	.2	-27.6	.0	.4	-1.8	94.3	80.2	407.8	233.3
515.0	328.8	59.5	-2.5	18.1	.2	-28.1	.0	.4	-2.3	96.1	82.0	424.9	246.8
525.0	346.7	60.5	-2.5	18.5	.2	-28.7	.0	.4	-2.9	97.8	83.7	444.5	263.0
535.0	367.6	61.2	-2.5	18.8	.2	-29.1	.0	.4	-3.7	99.2	85.4	466.8	282.2
545.0	391.6	61.8	-2.6	19.0	.2	-29.4	.0	.4	-4.7	100.4	86.8	497.0	304.8
555.0	418.8	62.3	-2.6	19.1	.2	-29.6	.0	.4	-6.1	101.5	88.0	520.3	330.8
565.0	449.2	62.5	-2.6	19.2	.2	-29.7	.0	.4	-7.8	102.2	89.1	551.5	360.1

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHT	NEG		
285.0	225.9	-37.4	.1	-11.5	-.3	22.5	.0	-.2	.1	70.6	60.3	296.4	165.6
295.0	227.2	-37.7	.1	-11.7	-.3	22.8	.0	-.2	.1	71.4	60.8	298.6	166.3
305.0	228.4	-38.0	.1	-11.8	-.3	23.0	.0	-.2	.2	72.2	61.4	300.6	167.1
315.0	229.7	-38.4	.1	-11.9	-.3	23.3	.0	-.2	.2	72.9	61.9	302.6	167.8
325.0	231.0	-38.7	.1	-12.0	-.3	23.5	.1	-.2	.2	73.6	62.4	304.6	168.6
335.0	232.4	-39.0	.1	-12.2	-.4	23.7	.1	-.2	.2	74.3	62.9	306.6	169.5
345.0	233.8	-39.4	.1	-12.3	-.4	23.9	.1	-.2	.2	74.9	63.5	308.8	170.3
355.0	235.4	-39.7	.1	-12.4	-.4	24.2	.1	-.2	.2	75.6	64.1	311.0	171.3
365.0	237.0	-40.1	.1	-12.6	-.4	24.4	.1	-.2	.3	76.4	64.7	313.4	172.4
375.0	238.9	-40.5	.1	-12.8	-.4	24.7	.1	-.2	.3	77.2	65.3	316.0	173.6
385.0	240.9	-40.9	.1	-12.9	-.4	25.0	.1	-.2	.3	78.0	66.0	318.9	174.9
395.0	243.3	-41.4	.1	-13.1	-.4	25.2	.1	-.2	.4	78.9	66.8	322.1	176.5
405.0	245.9	-41.9	.1	-13.3	-.4	25.6	.1	-.2	.4	79.8	67.6	325.7	178.3
415.0	248.9	-42.5	.1	-13.5	-.4	25.9	.1	-.2	.4	80.8	68.5	329.7	180.4
425.0	252.4	-43.1	.1	-13.7	-.5	26.3	.1	-.2	.5	81.9	69.4	334.2	182.9
435.0	256.4	-43.7	.1	-14.0	-.5	26.7	.1	-.3	.6	83.0	70.4	339.4	186.0
445.0	261.1	-44.4	.2	-14.2	-.5	27.1	.1	-.3	.7	84.3	71.5	345.4	189.6
455.0	266.6	-45.1	.3	-14.5	-.5	27.6	.1	-.3	.8	85.7	72.6	352.3	193.9
465.0	273.1	[illegible]	.3	-14.8	-.5	28.1	.1	-.3	.9	87.3	73.9	360.3	199.1
475.0	280.7	-46.9	.4	-15.1	-.5	28.7	.1	-.3	1.1	88.9	75.3	369.6	205.4
485.0	289.9	-47.8	.0	-15.4	-.6	29.3	.1	-.3	1.3	90.6	76.9	380.5	213.0
495.0	300.7	-48.9	.0	-15.8	-.6	29.9	.1	-.3	1.6	92.4	78.5	393.1	222.2
505.0	313.6	-50.0	.0	-16.2	-.6	30.5	.0	-.3	2.0	94.3	80.2	407.8	233.3
515.0	328.8	-51.1	.0	-16.6	-.6	31.2	.0	-.3	2.4	96.1	82.0	424.9	246.8
525.0	346.7	-52.1	-.0	-16.9	-.6	31.8	.0	-.3	3.1	97.8	83.7	444.5	263.0
535.0	367.6	-53.1	-.0	-17.1	-.6	32.3	.0	-.3	3.9	99.2	85.4	466.8	282.2
545.0	391.6	-53.9	-.1	-17.3	-.7	32.6	.0	-.4	5.0	100.4	86.8	492.0	304.8
555.0	418.8	-54.5	-.1	-17.4	-.7	32.9	.0	-.4	6.4	101.5	88.0	520.3	330.8
565.0	449.2	-55.0	-.1	-17.5	-.7	33.1	.0	-.4	8.2	102.2	89.1	551.5	360.1

PROPULSION

ALPHA POS

TIME	NUM VAL	1	2	3	4	5	6	7	8	9	10	11				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	10.0	1.5	.0	-.2	-1.7	.0	-1.8	.0	.0	.0	-.5	.0	2.5	2.8	12.4	7.1
2.0	10.5	1.6	.0	-.2	-1.0	.0	-.1	-.3	.1	.0	.1	.2	1.6	1.7	12.1	8.8
3.0	10.8	1.6	.0	-.2	-.9	.0	1.2	-.2	.1	.0	.4	-.0	2.1	2.2	12.9	8.6
4.0	10.5	1.5	.0	-.2	-.9	.0	1.7	.0	.1	.0	.5	-.0	2.4	2.5	12.9	8.0
5.0	10.0	1.5	.0	-.2	-.9	.0	1.9	.1	.1	.0	.5	-.1	2.5	2.7	12.6	7.4
6.0	9.6	1.4	.0	-.1	-.9	.0	2.0	.2	.1	.0	.5	-.1	2.6	2.7	12.2	6.9
7.0	9.2	1.3	.0	-.1	-.9	.0	2.0	.2	.1	.0	.5	-.0	2.6	2.7	11.8	6.5
8.0	8.8	1.2	.0	-.2	-.9	.0	1.9	.1	.1	.0	.5	-.0	2.5	2.6	11.4	6.2
9.0	9.1	1.3	.0	-.1	-.9	.0	1.8	.2	.2	.0	.5	.1	2.6	2.4	11.8	6.7
10.0	10.8	1.1	.0	-.1	-1.2	.0	1.7	.5	.1	.0	.4	.1	2.6	2.5	13.4	8.3
11.0	12.2	.9	.0	-.1	-.4	.0	1.4	.8	-.0	.0	.3	.0	2.7	2.4	14.9	9.7
12.0	12.7	.6	.0	-.1	-1.4	.0	1.0	1.0	-.1	.0	.1	.0	3.0	2.2	15.7	10.5
13.0	12.6	.2	.0	-.1	-1.3	.0	.7	1.1	-.1	.0	.0	.0	3.1	1.9	15.7	10.7
14.0	12.0	-.1	.0	-.1	-1.1	.0	.3	1.1	-.1	.0	-.1	.0	3.2	1.5	15.2	10.5
15.0	11.0	-.4	.0	.0	-.8	.0	.0	1.0	-.1	.0	-.1	.1	3.1	1.4	14.1	9.6
16.0	9.0	-.6	.0	.0	-.6	.0	-.1	.9	-.0	.0	-.1	.1	2.9	1.3	11.9	7.7
17.0	6.7	-.6	.0	.0	-.5	.0	-.1	.8	.0	.0	-.1	.1	2.7	1.3	9.4	5.4
18.0	4.7	-.7	.0	.1	-.4	.0	-.0	.8	.0	.0	-.0	.1	2.5	1.3	7.3	3.4
19.0	3.1	-.8	.0	.1	-.1	.0	.0	.7	.1	.0	-.0	.1	2.6	1.3	5.7	1.8
20.0	2.2	-1.3	.0	.2	.1	.0	.0	.6	.1	.0	.0	.1	2.7	1.7	4.9	.5
21.0	1.8	-1.9	.0	.2	.2	.0	.0	.6	.1	.0	.0	.1	2.4	2.2	4.3	-.4
22.0	1.5	-1.9	.0	.2	.2	.0	.0	.5	.1	.0	.0	.1	2.2	2.2	3.7	-.7
23.0	1.2	-1.7	.0	.2	.1	.0	.0	.5	.1	.0	.0	.1	2.0	2.0	3.2	-.7
24.0	.8	-1.4	.0	.1	.1	.0	.1	.4	.1	.0	-.0	.1	1.7	1.7	2.6	-.9
25.0	.4	-1.2	.0	.1	.1	.0	.1	.4	.1	.0	-.0	.1	1.6	1.5	2.0	-1.1
26.0	-.0	-1.1	.0	.1	.0	.0	.1	.4	.1	.0	-.0	.1	1.4	1.3	1.4	-1.4
27.0	-.5	-.9	.0	.1	.0	.0	.1	.3	.1	.0	-.0	.0	1.3	1.2	.8	-1.7
28.0	-1.0	.8	.0	.1	.0	.0	.1	.3	.1	.0	-.0	.0	1.1	1.1	.2	-2.0
29.0	-1.5	-.6	.0	.0	-.1	.0	.1	.3	.1	.0	-.0	.0	1.1	1.0	-.4	-2.4
30.0	-2.0	-.5	.0	.0	-.1	.0	.1	.2	.0	.0	-.1	.0	1.1	.9	-.9	-2.9
31.0	-2.5	-.3	.0	.0	-.1	.0	.0	.2	.0	.0	-.1	.0	1.1	.9	-1.4	-3.3
32.0	-2.9	-.2	.0	.0	-.0	.0	.0	.1	.1	.0	-.1	.0	1.1	.9	-1.8	-3.8
33.0	-3.2	-.3	.0	.1	.1	.0	.0	.1	.1	.0	-.1	.0	1.2	1.0	-2.0	-4.2
34.0	-3.3	-.5	.0	.1	.1	.0	.0	.1	.1	.0	-.1	.0	1.2	1.1	-2.1	-4.4
35.0	-3.3	-.7	.0	.1	.1	.0	.0	.1	.1	.0	-.1	.0	1.2	1.3	-2.1	-4.6
36.0	-3.3	-.7	.0	.1	.1	.0	.0	.1	.1	.0	-.1	.0	1.2	1.3	-2.2	-4.7
37.0	-3.4	-.6	.0	.0	.0	.0	.0	.1	.1	.0	-.1	.0	1.2	1.3	-2.2	-4.7
38.0	-3.5	-.5	.0	.0	.0	.0	.0	.1	.1	.0	-.1	.0	1.2	1.3	-2.2	-4.7
39.0	-3.5	-.4	.0	.0	.1	.0	-.0	.0	.1	.0	-.1	.0	1.3	1.3	-2.2	-4.8
40.0	-3.5	-.4	.0	.0	.1	.0	-.0	.0	.1	.0	-.0	.0	1.3	1.3	-2.2	-4.8
41.0	-3.5	-.4	.0	.1	.2	.0	.0	.0	.1	.0	-.0	.0	1.3	1.3	-2.1	-4.8
42.0	-3.4	-.5	.0	.1	.2	.0	.0	.0	.1	.0	-.0	.0	1.4	1.2	-2.1	-4.7
43.0	-3.4	-.6	.0	.1	.2	.0	.0	.1	.1	.0	-.0	.0	1.3	1.2	-2.0	-4.6
44.0	-3.2	-.6	.0	.1	.2	.0	.0	.0	.1	.0	-.0	.0	1.2	1.3	-2.0	-4.5
45.0	-3.1	-.7	.0	.1	.1	.0	.0	.0	.1	.0	-.0	.0	1.2	1.3	-1.9	-4.4
46.0	-3.1	-.6	.0	.0	.1	.0	.0	.0	.0	.0	-.0	.0	1.2	1.3	-1.9	-4.4
47.0	-3.1	-.5	.0	.0	.1	.0	.0	.0	.0	.0	-.0	.0	1.2	1.3	-1.8	-4.4
48.0	-3.1	-.4	.0	.1	.1	.0	.0	.0	.1	.0	-.0	.0	1.3	1.3	-1.8	-4.4
49.0	-3.0	-.4	.0	.1	.2	.0	.0	.0	.1	.0	-.0	.0	1.4	1.5	-1.6	-4.5

PROPULSION

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	10.0	-1.2	.0	.2	-1.1	-.0	1.8	.0	-.0	.0	.5	.0	2.5	2.8	12.4	7.1
2.0	10.5	-1.3	.0	.2	-.2	.1	-.1	.0	-.1	.0	.0	.0	1.6	1.7	12.1	8.8
3.0	10.8	-1.4	.0	.2	-.0	.1	-1.3	.0	-.1	.0	-.4	.0	2.1	2.2	12.9	8.6
4.0	10.5	-1.3	.0	.2	.0	.1	-1.7	.0	-.1	.0	-.5	.0	2.4	2.5	12.9	8.0
5.0	10.0	-1.3	.0	.2	-.0	.1	-1.9	.0	-.1	.0	-.6	.0	2.5	2.7	12.6	7.4
6.0	9.6	-1.2	.0	.2	-.1	.1	-2.0	.0	-.1	.0	-.5	.0	2.6	2.7	12.2	6.9
7.0	9.2	-1.1	.0	.1	-.1	.1	-2.0	.0	-.1	.0	-.5	.0	2.6	2.7	11.8	6.5
8.0	8.8	-1.1	.0	.2	-.2	.1	-1.9	.0	-.1	.0	-.5	.0	2.5	2.6	11.4	6.2
9.0	9.1	-.9	.0	.1	-.2	.1	-1.9	.0	-.0	.0	-.3	.0	2.6	2.4	11.8	6.7
10.0	10.8	-1.0	-.0	.1	-.5	.2	-1.7	.0	-.1	.0	-.4	.0	2.6	2.5	13.4	8.3
11.0	12.2	-.9	.0	.1	-.8	.3	-1.4	.0	-.1	.0	-.4	.0	2.7	2.4	14.9	9.7
12.0	12.7	-.7	.0	.1	-1.0	.3	-1.0	.0	-.1	.0	-.4	.0	3.0	2.2	15.7	10.5
13.0	12.6	-.5	.0	.1	-1.1	.3	-.7	.0	-.1	.0	-.3	.0	3.1	1.9	15.7	10.7
14.0	12.0	-.2	.0	.0	-1.1	.2	-.3	.0	-.1	.0	-.2	.0	3.2	1.5	15.2	10.5
15.0	11.0	.1	.0	-.0	-1.1	.2	.0	.0	-.1	.0	-.1	.0	3.1	1.4	14.1	9.6
16.0	9.0	.4	.0	-.0	-1.0	.2	.1	.0	-.1	.0	.0	.0	2.9	1.3	11.9	7.7
17.0	6.7	.5	.0	-.1	-.9	.1	.1	.0	-.1	.0	.0	.0	2.7	1.3	9.4	5.4
18.0	4.7	.7	.0	-.1	-.8	.1	.0	.0	-.1	.0	.0	.0	2.5	1.3	7.3	3.4
19.0	3.1	1.4	.0	-.1	-.8	.1	-.0	.0	-.1	.0	.0	.0	2.6	1.3	5.7	1.8
20.0	2.2	1.8	.0	-.2	-.9	.0	-.0	.0	-.1	.0	.0	.0	2.7	1.7	4.9	.5
21.0	1.8	1.6	.0	-.2	-1.0	.0	-.0	.0	-.1	.0	.0	.0	2.4	2.2	4.3	-.4
22.0	1.5	1.4	.0	-.2	-.9	.0	-.1	.0	-.1	.0	.0	.0	2.2	2.2	3.7	-.7
23.0	1.2	1.2	.0	-.2	-.8	.0	-.1	.0	-.1	.0	.0	.0	2.0	2.0	3.2	-.7
24.0	.8	1.0	.0	-.1	-.7	-.0	-.1	.0	-.1	.0	.0	.0	1.7	1.7	2.6	-.9
25.0	.4	.8	.0	-.1	-.6	.0	-.1	.0	-.1	.0	.0	.0	1.6	1.5	2.0	-1.1
26.0	-.0	.6	.0	-.1	-.6	.0	-.1	.0	-.1	.0	.0	.0	1.4	1.3	1.4	-1.4
27.0	-.5	.5	.0	-.1	-.5	.0	-.1	.0	-.1	.0	.0	.0	1.3	1.2	.8	-1.7
28.0	-1.0	.2	-.0	.1	-.4	.0	-.1	.0	-.1	.0	.0	.0	1.1	1.1	.2	-2.0
29.0	-1.5	.1	.0	-.0	-.3	.0	-.1	.0	-.1	.0	.0	.0	1.1	1.0	-.6	-2.4
30.0	-2.0	.0	.0	-.0	-.2	.0	-.1	.0	-.0	.0	.0	.0	1.1	.9	-.9	-2.9
31.0	-2.5	.1	.0	.0	-.2	-.0	-.1	.0	-.0	.0	.1	.0	1.1	.9	-1.4	-3.3
32.0	-2.9	.4	.0	-.0	-.2	-.0	-.0	.0	-.1	.0	.1	.0	1.1	.9	-1.8	-3.8
33.0	-3.2	.6	.0	-.1	-.3	-.0	-.0	.0	-.1	.0	.0	.0	1.2	1.0	-2.0	-4.2
34.0	-3.3	.5	.0	-.1	-.3	-.0	-.0	.0	-.1	.0	.0	.0	1.2	1.1	-2.1	-4.4
35.0	-3.3	.4	.0	-.1	-.3	-.0	-.0	.0	-.1	.0	.0	.0	1.2	1.3	-2.1	-4.6
36.0	-3.3	.3	.0	-.1	-.3	-.0	-.0	.0	-.1	.0	.0	.0	1.2	1.3	-2.2	-4.7
37.0	-3.4	.3	.0	-.0	-.2	.0	-.0	.0	-.1	.0	.1	.0	1.2	1.3	-2.2	-4.7
38.0	-3.5	.3	.0	-.0	-.2	-.0	.0	.0	-.1	.0	.1	.0	1.2	1.3	-2.2	-4.7
39.0	-3.5	.4	.0	-.0	-.2	-.1	.0	.0	-.1	.0	.1	.0	1.3	1.3	-2.2	-4.8
40.0	-3.5	.5	.0	-.0	-.2	-.1	.0	.0	-.1	.0	.0	.0	1.3	1.3	-2.2	-4.8
41.0	-3.5	.6	.0	-.1	-.2	-.1	.0	.0	-.1	.0	.0	.0	1.3	1.3	-2.1	-4.8
42.0	-3.4	.7	.0	-.1	-.2	-.0	.0	.0	-.1	.0	.0	.0	1.4	1.2	-2.1	-4.7
43.0	-3.4	.6	.0	-.1	-.2	.0	-.0	.0	-.1	.0	.0	.0	1.3	1.2	-2.0	-4.6
44.0	-3.2	.5	.0	-.1	-.3	-.0	.0	.0	-.1	.0	.0	.0	1.2	1.3	-2.0	-4.5
45.0	-3.1	.4	.0	-.1	-.3	-.1	.0	.0	-.1	.0	.0	.0	1.2	1.3	-1.9	-4.4
46.0	-3.1	.4	.0	-.0	-.2	-.1	.0	.0	-.1	.0	.0	.0	1.2	1.3	-1.9	-4.4
47.0	-3.1	.4	.0	-.0	-.1	-.1	.0	.0	-.0	.0	.0	.0	1.2	1.3	-1.9	-4.4
48.0	-3.1	.4	.0	-.1	-.2	-.1	.0	.0	-.1	.0	.0	.0	1.3	1.3	-1.8	-4.4
49.0	-3.0	.5	.0	-.1	-.2	-.1	-.0	.0	-.1	.0	.0	.0	1.4	1.5	-1.6	-4.5

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	ALPHA	POS		
50.0	-3.0	-.5	.0	.0	.1	.0	.0	.1	.1	.0	-.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	-.5	.0	.0	.1	.0	.0	.0	.0	.0	-.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	-.5	.0	.1	.1	.0	.0	.0	.1	.0	-.0	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	-.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	-.4	.0	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	-.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	-.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	-.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	-.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	-.4	.0	.1	.2	.0	-.0	.0	.0	.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	-.4	.0	.1	.3	.0	.0	.0	.1	.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	-.6	.0	.1	.4	.0	.0	.0	.1	.0	-.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	-.8	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	-1.0	.0	.1	.2	.0	.0	.0	.1	.0	-.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	-.9	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	-.9	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	-.8	.0	.1	.4	.0	.0	.0	.1	.0	-.0	.0	1.6	1.3	-.3	-3.2
67.0	-1.5	-.9	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.6	1.4	.0	-3.0
68.0	-1.3	-1.1	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	-1.1	.0	.1	.3	.0	.0	.0	.1	.0	-.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	-1.1	.0	.1	.3	.0	.0	.1	.1	.0	-.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	-1.1	.0	.1	.4	.0	.0	.1	.1	.0	-.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	-1.2	.0	.1	.4	.0	.0	.1	.1	.0	-.0	.0	1.9	1.6	1.4	-2.0
73.0	-.2	-1.3	.0	.1	.4	.0	.0	.1	.1	.0	-.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	-1.4	.0	.1	.4	.0	.1	.1	.1	.0	-.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	-1.4	.0	.1	.4	.0	.1	.1	.1	.0	-.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	-1.4	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	-1.4	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	2.2	1.8	3.1	-1.0
78.0	1.2	-1.5	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	-1.6	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	-1.7	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	-1.7	.0	.2	.5	.0	.1	.1	.1	.0	-.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	-1.7	.0	.1	.3	.0	.1	.1	.1	.0	-.0	.0	1.7	2.2	3.9	.0
83.0	2.3	-1.6	.0	.1	.2	.0	.1	.1	.1	.0	-.0	.0	1.8	2.2	4.1	.1
84.0	2.3	-1.3	.0	.1	.1	.0	.1	.1	.1	.0	-.0	.0	1.9	2.2	4.2	.1
85.0	2.2	-1.0	.0	.1	.2	.0	.1	.1	.1	.0	-.0	.0	2.1	2.0	4.3	.1
86.0	2.1	-.8	.0	.1	.3	.0	.1	.1	.1	.0	-.0	.0	2.2	2.1	4.3	.0
87.0	2.0	-.7	.0	.1	.3	.0	.1	.1	.1	.0	-.0	.0	2.3	2.2	4.3	-.1
88.0	1.9	-.8	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.4	2.3	4.4	-.3
89.0	1.9	-.9	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.5	2.4	4.5	-.5
90.0	1.9	-1.0	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.6	2.4	4.5	-.6
91.0	1.8	-1.0	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.6	2.5	4.4	-.6
92.0	1.8	-1.1	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.6	2.5	4.4	-.7
93.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.6	2.6	4.5	-.7
94.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.7	2.6	4.5	-.8
95.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.7	2.6	4.5	-.8
96.0	1.7	-1.2	.0	.2	.4	.0	.1	.1	.1	.0	-.1	.0	2.8	2.6	4.5	-.8
97.0	1.8	-1.2	.0	.2	.4	.0	.1	.1	.1	.0	-.1	.0	2.7	2.7	4.5	-.9
98.0	1.8	-1.3	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.7	2.8	4.5	-.9
99.0	1.8	-1.3	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.7	2.7	4.5	-.9

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	ALPHA			REG
50.0	-3.0	.5	.0	-.1	-.2	.0	-.0	.0	-.1	.0	.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	.4	.0	-.0	-.1	.0	-.0	.0	-.0	.0	.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	.2	.0	-.1	-.2	-.1	.0	.0	-.1	.0	.0	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	.2	.0	-.1	-.2	-.1	-.0	.0	-.1	.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	.2	.0	.0	-.1	-.1	-.0	.0	-.0	.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	.3	.0	.0	.0	-.0	-.0	.0	-.0	.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	.4	.0	-.0	-.1	.0	-.0	.0	-.0	.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	.5	.0	-.0	-.1	-.0	-.0	.0	-.0	.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	.7	.0	-.0	-.1	-.1	-.0	.0	-.0	.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	.9	.0	-.0	-.1	-.1	-.0	.0	-.0	.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	1.0	.0	-.1	-.2	-.0	-.0	.0	-.1	.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	.9	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	.9	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	.9	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	1.1	.0	-.1	-.2	-.1	-.0	.0	-.1	.0	.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	1.1	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	1.1	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.6	1.3	-.3	-3.2
67.0	-1.5	1.1	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.6	1.4	-.0	-3.0
68.0	-1.3	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	1.3	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	1.4	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	1.5	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	1.6	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.9	1.6	1.4	-2.0
73.0	-.2	1.6	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	1.7	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	1.8	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	1.9	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	1.9	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.0	.0	2.2	1.8	3.1	-1.0
78.0	1.0	1.9	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	1.9	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	1.6	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	1.3	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	1.0	.0	-.2	-.6	-.1	-.1	.0	-.1	.0	.0	.0	1.7	2.2	3.9	.0
83.0	2.3	.9	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.8	2.2	4.1	.1
84.0	2.3	1.0	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.0	.0	1.9	2.2	4.2	.1
85.0	2.2	1.0	.0	-.1	-.2	-.1	-.1	.0	-.1	.0	.0	.0	2.1	2.0	4.3	.1
86.0	2.1	1.1	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.0	.0	2.2	2.1	4.3	.0
87.0	2.0	1.1	.0	-.1	-.3	-.0	-.1	.0	-.1	.0	.0	.0	2.3	2.2	4.3	-.1
88.0	2.0	1.1	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	2.4	2.3	4.4	-.3
89.0	1.9	1.1	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.5	2.4	4.5	-.5
90.0	1.9	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.6	2.4	4.5	-.6
91.0	1.8	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.6	2.5	4.6	-.6
92.0	1.8	1.1	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.6	2.5	4.4	-.7
93.0	1.8	1.2	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.6	2.6	4.5	-.7
94.0	1.8	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.7	2.6	4.5	-.8
95.0	1.8	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.7	2.6	4.5	-.8
96.0	1.7	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.8	2.6	4.5	-.8
97.0	1.8	1.2	.0	-.2	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.7	2.7	4.5	-.9
98.0	1.8	1.1	.0	-.1	-.5	-.2	-.1	.0	-.1	.0	.1	.0	2.7	2.8	4.5	-.9
99.0	1.8	1.1	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.7	2.7	4.5	-.9

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	ALPHA POS			
100.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.8	2.7	4.5	-.9
101.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.8	2.7	4.5	-.9
102.0	1.8	-1.1	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.8	2.7	4.5	-.9
103.0	1.8	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.8	2.7	4.5	-.9
104.0	1.7	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.1	.0	2.8	2.7	4.5	-.9
105.0	1.7	-1.2	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.7	2.7	4.5	-.9
106.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.7	2.7	4.5	-.9
107.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.7	2.6	4.4	-.9
108.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.7	2.6	4.4	-.9
109.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.7	2.6	4.4	-.9
110.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.8	2.6	4.5	-.9
111.0	1.7	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.8	2.6	4.5	-.9
112.0	1.7	-1.2	.0	.2	.4	.0	.2	.1	.1	-.0	-.2	.0	2.8	2.6	4.5	-.9
113.0	1.8	-1.2	.0	.2	.6	.0	.2	.1	.2	-.0	-.2	.0	2.8	2.6	4.5	-.8
114.0	2.0	-1.4	.3	.3	.8	.0	.3	.0	.2	-.0	-.3	.0	2.7	2.6	4.5	-.7
115.0	2.0	-1.4	.7	.4	1.2	.0	.4	.0	.3	-.0	-.3	.0	2.6	2.6	4.6	-.6
116.0	2.1	-1.4	1.3	.6	1.7	.0	.5	.0	.4	-.0	-.5	-.0	2.8	2.5	4.8	-.5
117.0	2.1	-1.4	2.1	.8	2.2	.0	.5	-.0	.5	-.0	-.7	-.0	3.2	2.7	5.3	-.6
118.0	2.1	-1.3	2.9	1.0	2.5	.0	.6	-.0	.6	-.1	-.9	-.0	4.0	3.0	6.1	-.9
119.0	2.2	-1.3	3.5	1.1	2.6	.0	.7	-.1	.7	-.1	-1.1	-.0	4.8	3.5	6.9	-1.4
120.0	2.4	-1.3	3.7	1.0	2.4	.0	.8	-.1	.7	-.1	-1.3	-.0	5.2	4.1	7.4	-1.9
121.0	2.5	-1.4	3.6	.9	2.2	.0	.8	-.1	.6	-.1	-1.4	-.0	5.2	4.5	7.6	-2.1
122.0	2.5	-1.4	3.1	.8	2.1	.0	.6	-.1	.5	-.1	-1.6	-.0	5.0	4.7	7.5	-2.2
123.0	2.3	-1.3	2.6	.7	2.0	.0	.3	-.1	.5	-.1	-1.6	-.0	4.6	4.5	7.0	-2.1
124.0	2.0	-1.0	2.3	.8	2.0	.0	.1	-.1	.5	-.1	-1.6	-.0	4.2	4.2	6.5	-1.9
125.0	1.7	-.7	2.0	.8	1.9	.0	-.2	-.2	.5	-.1	-1.7	-.0	4.1	3.9	6.0	-2.0
126.0	1.5	-.4	1.6	.8	1.7	.0	-.5	-.2	.5	-.1	-1.9	-.0	4.0	3.8	5.7	-2.1
127.0	1.4	-.3	1.2	.7	1.5	.0	-.5	-.2	.5	-.1	-2.0	-.0	3.9	4.0	5.4	-2.5
128.0	1.3	-.2	.9	.6	1.3	.0	-.5	-.2	.4	-.1	-2.1	-.0	3.6	4.0	5.0	-2.7
129.0	1.0	-.1	.9	.6	1.3	.0	-.5	-.2	.4	-.1	-2.1	-.0	3.6	4.1	4.9	-2.8
130.0	.8	.1	.9	.6	1.2	.0	-.4	.1	.4	-.1	-2.1	-.0	4.6	4.0	5.7	-3.0
131.0	.6	.3	.9	.6	1.2	.0	-.4	.1	.4	-.0	-2.0	-.0	5.0	3.6	5.8	-2.8
132.0	.3	.5	.9	.6	1.2	.0	-.4	.1	.4	-.0	-2.0	-.0	5.1	3.6	5.6	-3.0
133.0	3.0	-2.3	-.1	.2	-.1	.0	-.4	.1	.4	-.0	-2.0	-.0	5.8	3.5	6.1	-3.2
134.0	2.9	-2.4	-.1	.1	1.8	.0	-.4	.2	.2	-.0	-3.3	.0	2.2	8.7	5.2	-5.7
135.0	2.9	-2.7	-.1	.2	.4	.0	-.4	.2	.2	-.0	-1.4	.0	3.5	6.6	6.4	-3.7
145.0	1.9	-.9	-.1	.1	.4	.0	-.3	.1	.4	-.0	1.2	.0	6.5	6.7	9.4	-3.8
155.0	.4	-.7	-.1	.1	.3	.0	-.3	.1	.4	-.0	1.1	.0	5.9	5.8	7.9	-3.9
165.0	-1.1	-.6	-.1	.1	.4	.0	-.3	.1	.4	-.0	1.0	.0	5.2	5.2	5.6	-4.8
175.0	-2.2	-.7	-.0	.2	.4	.0	-.3	.1	.4	-.0	.9	.0	4.9	4.8	3.8	-5.9
185.0	-3.2	-.7	-.0	.2	.4	.0	-.3	.1	.4	-.0	.9	.0	4.6	4.5	2.3	-6.8
195.0	-3.9	-.6	.0	.2	.4	.0	-.2	.1	.4	-.0	.8	.0	4.2	4.2	1.1	-7.4
205.0	-4.5	-.6	.0	.2	.4	.0	-.2	.1	.4	-.0	.8	.0	3.9	3.9	.0	-7.8
215.0	-4.9	-.6	.0	.2	.4	.0	-.2	.1	.4	-.0	.7	.0	3.6	3.7	-.8	-8.1
225.0	-5.2	-.5	.0	.1	.4	.0	-.2	.1	.5	-.1	.7	.0	3.4	3.4	-1.5	-8.3
235.0	-5.3	-.5	.0	.1	.4	.0	-.2	.1	.5	-.1	.6	.0	3.1	3.2	-2.0	-8.3
245.0	-5.3	-.5	.0	.1	.4	.0	-.2	.1	.5	-.1	.6	.0	2.9	2.9	-2.4	-8.2
255.0	-5.3	-.6	.1	.2	.4	.0	-.2	.1	.5	-.1	.5	.0	2.7	2.7	-2.6	-8.0
265.0	-11.0	-.5	.1	.2	.4	.0	-.2	.0	.9	-.1	.4	.0	2.1	2.2	-7.9	-12.2
275.0	-11.2	-.5	.1	.2	.4	.0	-.1	.0	1.1	-.1	.3	.0	2.0	2.1	-9.2	-13.4

PROPULSION

TIME	NOM VEL	1	2	3	4	5	6	7	8	9	10	11	ALPHA	NEG		
100.0	1.8	1.2	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.1	.0	2.8	2.7	4.5	-.9
101.0	1.8	1.2	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.1	.0	2.8	2.7	4.5	-.6
102.0	1.8	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.1	.0	2.8	2.7	4.5	-.9
103.0	1.8	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.1	.0	2.8	2.7	4.5	-.9
104.0	1.7	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.1	.0	2.7	2.7	4.5	-.9
105.0	1.7	1.1	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.7	2.7	4.5	-.9
106.0	1.7	1.1	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.7	2.6	4.4	-.9
107.0	1.7	1.1	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.7	2.6	4.4	-.9
108.0	1.7	1.2	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.7	2.6	4.4	-.9
109.0	1.7	1.3	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.8	2.6	4.5	-.9
110.0	1.7	1.4	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.8	2.6	4.5	-.9
111.0	1.7	1.4	.0	-.1	-.3	-.2	-.2	.0	-.1	.0	.2	.0	2.8	2.6	4.5	-.9
112.0	1.7	1.3	.0	-.1	-.3	-.3	-.2	.0	-.1	.0	.2	.0	2.8	2.6	4.5	-.9
113.0	1.8	1.1	.0	-.2	-.4	-.6	-.2	.0	-.2	.0	.2	.0	2.8	2.6	4.5	-.8
114.0	2.0	1.0	.2	-.3	-.6	-.5	-.3	.0	-.2	.0	.2	.0	2.7	2.6	4.5	-.7
115.0	2.0	1.0	.6	-.4	-.8	-.6	-.4	.0	-.3	.0	.3	.0	2.6	2.6	4.6	-.6
116.0	2.1	1.1	1.1	-.5	-1.1	-.8	-.5	.0	-.4	.0	.5	.0	2.8	2.5	4.8	-.5
117.0	2.1	1.2	1.9	-.7	-1.6	-.9	-.6	.0	-.5	.0	.6	.0	3.2	2.7	5.3	-.6
118.0	2.1	1.2	2.6	-.9	-2.1	-1.1	-.6	.0	-.6	.0	.9	.0	4.0	3.0	6.1	-.9
119.0	2.2	1.0	3.1	-1.1	-2.6	-1.1	-.7	.0	-.7	.1	1.1	.0	4.8	3.5	6.9	-1.4
120.0	2.4	.7	3.3	-1.2	-2.9	-1.2	-.8	.0	-.7	.1	1.2	.0	5.2	4.1	7.4	-1.9
121.0	2.5	.3	3.1	-1.2	-3.1	-1.2	-.8	.0	-.7	.1	1.4	.0	5.2	4.5	7.6	-2.1
122.0	2.5	.0	2.7	-1.0	-3.0	-1.3	-.6	.0	-.6	.1	1.5	.0	5.0	4.7	7.5	-2.2
123.0	2.3	-.0	2.2	-.9	-2.7	-1.4	-.3	.0	-.5	.1	1.6	.0	4.6	4.5	7.0	-2.1
124.0	2.0	.0	1.9	-.8	-2.4	-1.5	-.1	.0	-.4	.1	1.7	.0	4.2	4.2	6.5	-1.9
125.0	1.7	.1	1.7	-.7	-2.1	-1.6	.2	.0	-.4	.1	1.9	.0	4.1	3.9	6.0	-2.0
126.0	1.5	.0	1.4	-.7	-2.0	-1.8	.4	.0	-.5	.1	2.0	.0	4.0	3.8	5.7	-2.1
127.0	1.4	-.1	1.2	-.8	-2.0	-1.8	.4	.0	-.5	.1	2.0	.0	3.9	4.0	5.4	-2.5
128.0	1.3	1.2	1.1	-.8	-1.9	-1.7	.4	.0	-.5	.1	2.0	.0	3.6	4.0	5.0	-2.7
129.0	1.0	3.2	1.1	-.8	-1.9	-1.7	.4	.0	-.5	.1	2.0	.0	3.6	4.1	4.9	-2.8
130.0	.8	3.9	1.0	-.8	-1.9	-1.9	.4	.0	-.5	.1	2.0	.0	4.6	4.0	5.7	-3.0
131.0	.6	4.0	1.0	-.8	-1.9	-2.0	.3	.0	-.5	.0	2.0	.0	5.0	3.6	5.8	-2.8
132.0	.3	4.9	1.0	-.8	-1.9	-2.0	.3	.0	-.5	.0	2.0	.0	5.1	3.6	5.6	-3.0
133.0	3.0	2.1	-.1	-2.1	-3.2	-2.0	.3	.0	-.5	.0	2.0	.0	5.8	3.5	6.1	-3.2
134.0	2.9	1.6	-.1	-.1	-.3	-2.0	.3	.0	-.2	.0	-1.1	.0	2.2	8.7	5.2	-5.7
135.0	2.9	1.5	-.1	-.1	-.4	-2.0	.3	.0	-.1	.0	-1.1	.0	3.5	6.6	6.4	-3.7
145.0	1.9	.8	-.1	-.1	-.4	-2.0	.3	.0	-.2	.0	-1.1	.0	6.5	5.7	9.4	-3.8
155.0	.4	.7	-.1	-.1	-.3	-2.0	.3	.0	-.4	.0	-1.0	.0	5.9	5.8	7.9	-3.9
165.0	-1.1	.7	-.1	-.1	-.3	-2.0	.2	.0	-.4	.0	-.9	.0	5.2	5.2	5.6	-4.8
175.0	-2.2	.7	-.0	-.1	-.4	-2.0	.2	.0	-.4	.0	-.9	.0	4.9	4.8	3.8	-5.9
185.0	-3.2	.7	-.0	-.1	-.4	-2.1	.2	.0	-.4	.0	-.8	.0	4.6	4.5	2.3	-6.8
195.0	-3.9	.6	-.0	-.1	-.4	-2.1	.2	.0	-.4	.0	-.8	.0	4.2	4.2	1.1	-7.4
205.0	-4.5	.6	.0	-.1	-.4	-2.1	.2	.0	-.4	.0	-.7	.0	3.9	3.9	.0	-7.8
215.0	-4.9	.6	.0	-.1	-.4	-2.1	.2	.0	-.4	.0	-.7	.0	3.6	3.7	-.8	-8.1
225.0	-5.2	.6	.0	-.1	-.4	-2.1	.2	.0	-.5	.0	-.6	.0	3.4	3.4	-1.5	-8.3
235.0	-5.3	.5	.0	-.1	-.4	-2.1	.2	.0	-.5	.1	-.6	.0	3.1	3.2	-2.0	-8.3
245.0	-5.3	.5	.0	-.1	-.4	-2.1	.2	.0	-.5	.1	-.5	.0	2.9	2.9	-2.4	-8.2
255.0	-5.9	.3	.1	-.2	-.4	-2.1	.1	.0	-.5	.1	-.5	.0	2.7	2.7	-2.6	-8.0
265.0	-11.0	.4	.1	-.2	-.4	-2.1	.1	.0	-.9	.1	-.4	.0	2.1	2.2	-7.9	-12.2
275.0	-11.2	.4	.1	-.2	-.4	-2.1	.1	.0	-1.1	.1	-.3	.0	2.0	2.1	-8.2	-13.4

PROPULSION

ALPHA POS

TIME	MOM VAL	1	2	3	4	5	6	7	8	9	10	11										
285.0	-11.4	-.4	-.1	-.2	-.4	.0	-.1	.0	1.1	-.1	.3	.0	2.0	2.1	-9.4	-13.5						
295.0	-11.5	-.5	-.1	-.2	-.4	.0	-.1	.0	1.1	-.2	.3	.0	1.9	2.0	-9.6	-13.5						
305.0	-11.5	-.4	-.1	-.2	-.4	.0	-.1	.0	1.1	-.2	.3	.0	1.8	1.9	-9.7	-13.5						
315.0	-11.5	-.4	-.1	-.2	-.4	.0	-.1	.0	1.1	-.2	.3	.0	1.8	1.9	-9.7	-13.4						
325.0	-11.3	-.4	-.1	-.1	-.4	.0	-.1	.0	1.1	-.2	.3	.0	1.7	1.8	-9.6	-13.2						
335.0	-11.1	-.4	-.1	-.1	-.4	.0	-.1	.0	1.1	-.2	.2	.0	1.7	1.8	-9.5	-12.9						
345.0	-10.9	-.4	-.1	-.1	-.4	.0	-.1	.0	1.1	-.2	.2	.0	1.6	1.7	-9.3	-12.6						
355.0	-10.6	-.3	-.1	-.1	-.3	.0	-.1	.0	1.0	-.2	.2	.0	1.5	1.6	-9.0	-12.2						
365.0	-10.2	-.3	-.1	-.1	-.3	.0	-.1	.0	1.0	-.2	.2	.0	1.5	1.6	-8.7	-11.8						
375.0	-9.7	-.3	-.1	-.1	-.3	.0	-.1	.0	1.0	-.2	.2	.0	1.4	1.5	-8.3	-11.2						
385.0	-9.2	-.2	-.1	-.1	-.3	.0	-.1	.0	1.0	-.2	.1	.0	1.4	1.4	-7.9	-10.7						
395.0	-8.7	-.2	-.1	-.1	-.3	.0	-.1	.0	1.0	-.2	.1	.0	1.3	1.4	-7.4	-10.1						
405.0	-8.1	-.2	-.1	-.1	-.3	.0	-.0	.0	1.0	-.2	.1	.0	1.3	1.3	-6.9	-9.5						
415.0	-7.5	-.1	-.1	-.1	-.2	.0	-.0	.0	1.0	-.2	.1	.0	1.2	1.3	-6.3	-8.8						
425.0	-6.9	-.1	-.1	-.1	-.2	.0	-.0	.0	.9	-.2	.1	.0	1.2	1.2	-5.7	-8.1						
435.0	-6.1	-.0	-.1	-.1	-.2	.0	-.0	.0	.9	-.2	.0	.0	1.1	1.2	-4.9	-7.3						
445.0	-5.3	-.0	-.1	-.1	-.2	.0	-.0	-.0	.9	-.2	.0	.0	1.1	1.2	-4.2	-6.5						
455.0	-4.5	.0	-.1	-.1	-.1	.0	-.0	-.0	.8	-.2	.0	.0	1.1	1.2	-3.4	-5.7						
465.0	-3.7	.1	-.1	-.0	-.1	.0	.0	-.0	.8	-.2	-.0	.0	1.1	1.1	-2.6	-4.8						
475.0	-2.9	.1	-.1	.0	-.1	.0	.0	-.0	.8	-.2	-.1	.0	1.1	1.2	-1.8	-4.0						
485.0	-2.0	.1	-.0	.0	-.0	.0	.0	-.0	.7	-.2	-.1	.0	1.1	1.2	-.9	-3.1						
495.0	-1.1	.2	.0	.0	-.0	.0	.0	-.0	.7	-.2	-.1	.0	1.1	1.2	.0	-2.3						
505.0	-.2	.2	.0	.0	-.0	.0	.0	-.0	.6	-.2	-.1	.0	1.2	1.2	1.0	-1.5						
515.0	.6	.4	.0	-.0	-.0	.0	.0	-.0	.6	-.2	-.1	.0	1.3	1.3	1.8	-.7						
525.0	1.6	.3	.0	-.0	-.1	.0	.0	-.0	.5	-.1	-.2	.0	1.3	1.4	2.9	.2						
535.0	2.4	.4	.0	-.0	-.1	.0	.1	-.0	.4	-.1	-.2	.0	1.4	1.5	3.8	.9						
545.0	3.2	.0	-.1	-.1	-.2	.0	.1	-.0	.4	-.1	-.2	.0	1.5	1.6	4.7	1.6						
555.0	3.9	.0	-.1	-.1	-.2	.0	.1	-.0	.3	-.1	-.2	.0	1.7	1.7	5.6	2.3						
565.0	4.5	-.0	-.1	-.1	-.2	.0	.1	-.0	.1	-.3	-.3	.0	1.8	1.8	6.3	2.7						

ORIGINAL PAGE IS OF POOR QUALITY

PROPULSIÓN

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
285.0	-11.4	.3	.1	-.2	-.4	-.1	.1	.0	-1.1	.1	-.3	.0	2.0	2.1	-9.4	-13.5
295.0	-11.5	.3	.1	-.2	-.4	-.1	.1	.0	-1.1	.1	-.3	.0	1.9	2.0	-9.6	-13.5
305.0	-11.5	.3	.1	-.2	-.4	-.1	.1	.0	-1.1	.2	-.3	.0	1.8	1.9	-9.7	-13.5
315.0	-11.5	.3	.1	-.2	-.4	-.1	.1	.0	-1.1	.2	-.3	.0	1.8	1.9	-9.7	-13.4
325.0	-11.3	.3	.1	-.1	-.4	-.1	.1	.0	-1.1	.2	-.3	.0	1.7	1.8	-9.6	-13.2
335.0	-11.1	.3	.1	-.1	-.4	-.1	.1	.0	-1.1	.2	-.2	.0	1.7	1.8	-9.5	-12.9
345.0	-10.9	.3	.1	-.1	-.4	-.1	.1	.0	-1.1	.2	-.2	.0	1.6	1.7	-9.3	-12.6
355.0	-10.6	.3	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.5	1.6	-9.0	-12.2
365.0	-10.2	.3	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.5	1.6	-8.7	-11.8
375.0	-9.7	.2	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.4	1.5	-8.3	-11.2
385.0	-9.2	.2	.1	-.1	-.3	-.1	.0	.0	-1.1	.2	-.1	.0	1.4	1.4	-7.9	-10.7
395.0	-8.7	.2	.1	-.1	-.3	-.1	.0	.0	-1.0	.2	-.1	.0	1.3	1.4	-7.4	-10.1
405.0	-8.1	.2	.1	-.1	-.3	-.1	.0	.0	-1.0	.2	-.1	.0	1.3	1.3	-6.9	-9.5
415.0	-7.5	.1	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.1	.0	1.2	1.3	-6.3	-8.8
425.0	-6.9	.1	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.1	.0	1.2	1.2	-5.7	-8.1
435.0	-6.1	.0	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.0	.0	1.1	1.2	-4.9	-7.3
445.0	-5.3	.0	.1	-.1	-.2	-.1	.0	.0	-.9	.2	-.0	.0	1.1	1.2	-4.2	-6.5
455.0	-4.5	-.0	.1	-.1	-.1	-.1	.0	.0	-.9	.2	.0	.0	1.1	1.2	-3.4	-5.7
465.0	-3.7	-.1	.1	-.0	-.1	-.1	.0	.0	-.9	.2	.0	.0	1.1	1.1	-2.6	-4.8
475.0	-2.9	-.1	.1	-.0	-.1	-.1	.0	.0	-.9	.2	.0	.0	1.1	1.2	-1.8	-4.0
485.0	-2.0	-.2	.1	-.0	-.1	-.1	.0	.0	-.8	.2	.1	.0	1.1	1.2	-.9	-3.1
495.0	-1.1	-.2	.0	-.0	-.0	-.0	-.0	.0	-.8	.2	.1	.0	1.1	1.2	.0	-2.3
505.0	-.2	-.3	.0	.0	.0	-.0	-.0	.0	-.7	.2	.1	.0	1.2	1.2	1.0	-1.5
515.0	.6	-.3	.0	.0	.0	-.0	-.0	.0	-.7	.2	.1	.0	1.3	1.3	1.8	-.7
525.0	1.6	-.5	.0	.0	.1	-.0	-.0	.0	-.6	.1	.2	.0	1.3	1.4	2.9	.2
535.0	2.4	-.6	.0	.0	.1	-.0	-.0	.0	-.6	.1	.2	.0	1.4	1.5	3.8	.9
545.0	3.2	-.6	.0	.0	.1	.0	-.0	.0	-.5	.1	.2	.0	1.5	1.6	4.7	1.6
555.0	3.9	-.7	.0	.1	.2	.0	-.1	.0	-.4	.1	.2	.0	1.7	1.7	5.6	2.3
565.0	4.5	-.8	.0	.1	.2	.0	-.1	.0	-.2	.0	.3	.0	1.8	1.8	6.3	2.7

AERO/ENVIRON

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	-3.0	-.0	-1.4	-.2	.0	.0	.0	-.1	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	-.0	-1.5	-.3	.0	.0	.0	-.1	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	-.0	-1.4	-.3	-.0	-.0	.0	-.1	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	-.0	-1.2	-.2	-.0	-.0	.0	-.1	.1	1.3	1.4	-1.5	-4.2
54.0	-2.9	.0	-1.2	-.3	-.0	-.0	.0	-.0	.1	1.2	1.3	-1.6	-4.2
55.0	-3.0	.0	-1.1	-.3	.0	-.0	.0	-.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	-.0	-1.1	-.3	.0	-.0	.0	-.1	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	-.0	-1.1	-.3	.0	-.0	.0	-.1	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	-.0	-1.1	-.3	.0	-.0	.0	-.1	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	-.0	-1.0	-.3	.0	-.0	.0	-.1	-.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	-.1	-1.0	-.3	.0	.0	.0	-.1	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	-.1	-1.0	-.3	.0	.0	-.0	-.2	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	-.1	-.9	-.3	.0	.0	-.0	-.2	.1	1.5	1.4	-1.0	-3.9
63.0	-2.3	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.4	1.5	-.9	-3.8
64.0	-2.2	-.1	-.9	-.3	.0	.0	-.0	-.1	.1	1.6	1.4	-.6	-3.6
65.0	-2.0	-.1	-.8	-.3	.0	.0	-.0	-.2	.1	1.6	1.3	-.5	-3.4
66.0	-1.8	-.1	-.8	-.3	.0	.0	-.0	-.2	.1	1.6	1.3	-.3	-3.2
67.0	-1.5	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.6	1.4	.0	-3.0
68.0	-1.3	-.1	-.8	-.3	.0	-.0	-.0	-.2	.1	1.6	1.5	.3	-2.8
69.0	-1.1	-.1	-.8	-.4	.0	-.0	-.0	-.2	.1	1.7	1.5	.6	-2.6
70.0	-.9	-.1	-.8	-.4	.0	.0	-.0	-.2	.1	1.8	1.5	.9	-2.4
71.0	-.7	-.1	-.8	-.3	.0	.0	-.0	-.2	.1	1.8	1.5	1.1	-2.2
72.0	-.5	-.2	-.7	-.3	.0	.0	-.0	-.2	.1	1.9	1.6	1.4	-2.0
73.0	-.2	-.1	-.7	-.3	.0	.0	-.0	-.2	.1	1.9	1.6	1.7	-1.8
74.0	.1	-.1	-.7	-.4	.0	.0	-.0	-.2	.1	2.0	1.7	2.1	-1.6
75.0	.3	-.1	-.7	-.4	.0	.0	-.0	-.2	.1	2.1	1.7	2.4	-1.4
76.0	.5	.2	-.7	-.4	.0	.0	-.0	-.2	.1	2.2	1.7	2.7	-1.2
77.0	.8	-.2	-.7	-.4	.0	.0	-.0	-.2	.0	2.2	1.8	3.1	-1.0
78.0	1.2	-.2	-.6	-.4	.0	.0	-.0	-.2	.1	2.3	1.9	3.4	-.7
79.0	1.4	-.2	-.6	-.5	.0	.0	-.0	-.2	.1	2.2	2.0	3.6	-.6
80.0	1.7	-.2	-.6	-.5	.0	.0	-.0	-.2	.0	2.1	2.1	3.7	-.4
81.0	2.0	-.2	-.6	-.5	.0	.0	-.0	-.2	.0	1.9	2.1	3.8	-.2
82.0	2.2	-.2	-.6	-.6	.0	.0	-.0	-.2	.0	1.7	2.2	3.9	.0
83.0	2.3	-.1	-.6	-.7	.0	.0	-.0	-.1	.0	1.8	2.2	4.1	.1
84.0	2.3	-.1	-.6	-.8	.0	.0	-.0	-.1	.0	1.9	2.2	4.2	.1
85.0	2.2	-.1	-.6	-.8	.0	.0	-.0	-.0	-.0	2.1	2.0	4.3	.1
86.0	2.1	-.1	-.5	-.9	.0	.0	-.0	-.1	-.0	2.2	2.1	4.3	.0
87.0	2.0	-.1	-.5	-.9	.0	.0	-.0	-.1	-.0	2.3	2.2	4.3	-.1
88.0	2.0	-.1	-.5	-1.0	.1	.0	-.0	-.1	-.1	2.4	2.3	4.4	-.3
89.0	1.9	.1	-.5	-1.0	.1	.0	-.0	-.1	-.1	2.5	2.4	4.5	-.5
90.0	1.9	-.1	-.6	-1.0	.1	.0	-.0	-.1	-.1	2.6	2.4	4.5	-.6
91.0	1.8	-.1	-.6	-1.0	.1	.0	-.0	-.1	-.1	2.6	2.5	4.4	-.6
92.0	1.8	-.1	-.6	-1.1	.1	.0	-.0	-.1	-.1	2.6	2.5	4.4	-.7
93.0	1.8	-.1	-.7	-1.1	.1	.0	-.0	-.1	-.1	2.6	2.6	4.5	-.7
94.0	1.8	-.1	-.7	-1.1	.1	.0	-.0	-.1	-.1	2.7	2.6	4.5	-.8
95.0	1.8	-.1	-.7	-1.2	.1	.0	-.0	-.1	-.1	2.7	2.6	4.5	-.8
96.0	1.7	-.1	-.7	-1.2	.1	.0	-.0	-.1	-.1	2.8	2.6	4.5	-.8
97.0	1.8	-.2	-.8	-1.3	.1	.0	-.0	-.1	-.1	2.7	2.7	4.5	-.9
98.0	1.8	-.1	-.8	-1.3	.1	.0	-.0	-.1	-.1	2.7	2.6	4.5	-.9
99.0	1.8	-.1	-.8	-1.3	.1	.0	-.0	-.1	-.1	2.7	2.7	4.5	-.9

AERO/ENVIRON

ALPHA FDS

TIME	NUM VAL	1	2	3	4	5	6	7	8				
100.0	1.8	-.1	-.9	-1.3	.1	.0	-.0	-.1	-.1	2.8	2.7	4.5	-.9
101.0	1.8	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.7	4.5	-.9
102.0	1.8	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.7	4.5	-.9
103.0	1.8	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.7	4.5	-.9
104.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.7	2.7	4.5	-.9
105.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.7	2.7	4.5	-.9
106.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.7	2.6	4.4	-.9
107.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.7	2.6	4.4	-.9
108.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.7	2.6	4.4	-.9
109.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.6	4.5	-.9
110.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.6	4.5	-.9
111.0	1.7	-.1	-.9	-1.4	.1	.0	-.0	-.1	-.1	2.8	2.6	4.5	-.9
112.0	1.7	-.1	-.9	-1.4	.0	.0	-.0	-.1	-.1	2.8	2.6	4.5	-.8
113.0	1.8	-.2	-.9	-1.4	.0	.0	-.0	-.2	-.1	2.7	2.6	4.5	-.7
114.0	2.0	-.2	-.9	-1.2	.0	.0	-.0	-.2	-.1	2.6	2.6	4.6	-.6
115.0	2.0	-.3	-.8	-1.0	.0	.0	-.0	-.3	-.2	2.8	2.5	4.8	-.5
116.0	2.1	-.5	-.7	-.7	.0	.0	-.0	-.5	-.2	3.2	2.7	5.3	-.6
117.0	2.1	-.7	-.5	-.4	.0	.0	-.0	-.7	-.3	4.0	3.0	6.1	-.9
118.0	2.1	-.9	-.4	-.1	.0	-.0	-.0	-.9	-.3	4.8	3.5	6.9	-1.4
119.0	2.2	-1.1	-.3	.1	.0	-.0	-.0	-1.2	-.3	5.2	4.1	7.4	-1.9
120.0	2.4	-1.2	-.3	.1	-.0	-.0	-.0	-1.2	-.3	5.2	4.5	7.6	-2.1
121.0	2.5	-1.1	-.3	-.1	.0	-.0	-.0	-1.2	-.3	5.0	4.7	7.5	-2.2
122.0	2.5	-1.0	-.3	-.2	.0	-.0	-.0	-1.1	-.4	4.6	4.5	7.0	-2.1
123.0	2.3	-.9	-.4	-.2	.0	-.0	-.0	-.9	-.4	4.2	4.2	6.5	-1.9
124.0	2.0	-.7	-.3	-.1	.0	-.0	-.0	-.8	-.4	4.1	3.9	6.0	-2.0
125.0	1.7	-.7	-.2	-.0	.0	-.0	-.0	-.7	-.4	4.0	3.8	5.7	-2.1
126.0	1.5	-.7	-.2	-.1	.0	-.0	-.1	-.8	-.4	3.9	4.0	5.4	-2.5
127.0	1.4	-.8	-.2	-.2	.0	-.0	-.1	-.8	-.4	3.6	4.0	5.0	-2.7
128.0	1.3	-.8	-.3	-.4	.0	-.0	-.1	-.9	-.4	3.6	4.1	4.9	-2.8
129.0	1.0	-.8	-.3	-.4	.0	-.0	-.1	-.9	-.4	4.6	4.0	5.7	-3.0
130.0	.8	-.8	-.4	-.4	.0	-.0	-.1	-.9	.2	5.0	3.6	5.8	-2.8
131.0	.6	-.8	-.4	-.5	.0	-.0	-.1	-.8	.2	5.1	3.6	5.6	-3.0
132.0	.3	-.8	-.3	-.4	.0	-.0	-.1	-.8	.2	5.8	3.5	6.1	-3.2
133.0	3.0	-2.1	-1.9	-3.5	.1	.1	-.1	-2.2	.2	2.2	8.7	8.2	-5.7
134.0	2.9	.0	-1.9	-3.5	.1	.1	-.1	.1	.1	3.5	6.6	6.4	-3.7
135.0	2.9	-.0	-1.9	-3.6	.1	.1	-.1	.1	.1	6.5	6.7	9.4	-3.8
145.0	1.9	-.0	-1.8	-3.4	.1	.1	-.1	-.1	.1	5.9	5.8	7.9	-3.9
155.0	.4	-.0	-1.6	-3.0	.1	.1	-.1	-.1	.1	5.2	5.2	5.6	-4.8
165.0	-1.1	-.0	-1.5	-2.8	.1	.0	-.1	-.1	.1	4.9	4.8	3.8	-5.9
175.0	-2.2	-.1	-1.4	-2.6	.1	.0	-.0	-.1	.1	4.6	4.5	2.3	-6.8
185.0	-3.2	-.1	-1.3	-2.4	.1	.0	-.0	-.1	.1	4.2	4.2	1.1	-7.4
195.0	-3.9	-.1	-1.2	-2.2	.1	.0	-.0	-.1	.1	3.9	3.9	.0	-7.6
205.0	-4.5	-.1	-1.1	-2.1	.1	.0	-.0	-.1	.1	3.6	3.7	-.8	-8.1
215.0	-4.9	-.1	-1.0	-1.9	.1	.0	-.0	-.1	.1	3.4	3.4	-1.5	-8.3
225.0	-5.2	-.1	-1.0	-1.8	.1	.0	-.0	-.1	.1	3.1	3.2	-2.0	-8.3
235.0	-5.3	-.1	-.9	-1.6	.0	.0	-.0	-.1	.1	2.9	2.9	-2.4	-8.2
245.0	-5.3	-.1	-.8	-1.5	.0	.0	-.0	-.1	.1	2.7	2.7	-2.6	-8.0
255.0	-9.9	-.1	-.8	-1.0	.0	.0	-.0	-.3	.1	2.1	2.2	-7.9	-12.2
265.0	-11.0	-.1	-.9	-.9	.0	.0	-.0	-.4	.0	2.1	2.2	-8.9	-13.2
275.0	-11.2	.1	-.9	-.9	.0	.0	-.0	-.4	.0	2.0	2.1	-9.2	-13.4

AEROZENITRON

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	1.8	.1	.8	1.4	-.0	-.0	.0	.1	.1	2.8	2.7	4.5	-.9
101.0	1.8	.1	.8	1.4	-.0	-.0	.0	.1	.1	2.8	2.7	4.5	-.9
102.0	1.8	.1	.8	1.4	-.0	-.0	.0	.1	.1	2.8	2.7	4.5	-.9
103.0	1.8	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.8	2.7	4.5	-.9
104.0	1.7	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.7	2.7	4.5	-.9
105.0	1.7	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.7	2.7	4.5	-.9
106.0	1.7	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.7	2.6	4.4	-.9
107.0	1.7	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.7	2.6	4.4	-.9
108.0	1.7	.1	.9	1.4	-.0	-.0	.0	.1	.1	2.7	2.6	4.4	-.9
109.0	1.7	.1	.9	1.5	-.0	-.0	.0	.1	.1	2.8	2.6	4.5	-.9
110.0	1.7	.1	.9	1.5	-.0	-.0	.0	.1	.1	2.8	2.6	4.5	-.9
111.0	1.7	.1	.9	1.5	-.0	-.0	.0	.1	.2	2.8	2.6	4.5	-.9
112.0	1.7	.1	.9	1.5	-.0	-.0	.0	.1	.2	2.8	2.6	4.5	-.8
113.0	1.8	.2	.9	1.4	-.0	-.0	.0	.2	.3	2.7	2.6	4.5	-.7
114.0	2.0	.3	.8	1.3	-.0	-.0	.0	.3	.4	2.6	2.6	4.6	-.6
115.0	2.0	.4	.8	1.2	-.0	-.0	.0	.4	.6	2.8	2.5	4.8	-.5
116.0	2.1	.6	.7	.9	-.0	-.0	.0	.6	.7	3.2	2.7	5.3	-.6
117.0	2.1	.8	.5	.6	-.0	-.0	.0	.8	.8	4.0	3.0	6.1	-.9
118.0	2.1	1.0	.4	.3	.0	-.0	.0	1.0	.8	4.8	3.5	6.9	-1.4
119.0	2.2	1.1	.3	-.0	.0	-.0	.0	1.1	.9	5.2	4.1	7.4	-1.9
120.0	2.4	1.0	.2	-.2	.0	-.0	.0	1.1	1.0	5.2	4.5	7.6	-2.1
121.0	2.5	.9	.3	-.2	.0	-.0	.0	1.0	1.1	5.0	4.7	7.5	-2.2
122.0	2.5	.8	.3	-.1	.0	-.0	.0	.8	1.1	4.6	4.5	7.0	-2.1
123.0	2.3	.7	.3	.0	.0	-.0	.0	.8	1.1	4.2	4.2	6.5	-1.9
124.0	2.0	.7	.3	.1	-.0	-.0	.0	.8	1.2	4.1	3.9	6.0	-2.0
125.0	1.7	.8	.3	.2	.0	-.0	.0	.8	1.2	4.0	3.8	5.7	-2.1
126.0	1.5	.8	.2	.2	.0	-.0	.0	.8	1.3	3.9	4.0	5.4	-2.5
127.0	1.4	.7	.2	.1	.0	-.0	.1	.7	1.2	3.6	4.0	5.0	-2.7
128.0	1.3	.6	.2	.1	-.0	-.0	.1	.6	1.2	3.6	4.1	4.9	-2.8
129.0	1.0	.6	.3	.1	-.0	-.0	.1	.6	1.2	4.6	4.0	5.7	-3.0
130.0	.8	.6	.2	.1	-.0	-.0	.1	.6	-.1	5.0	3.6	5.8	-2.8
131.0	.6	.6	.2	.1	-.0	-.0	.1	.6	-.1	5.1	3.6	5.6	-3.0
132.0	.3	.6	.2	.1	-.0	-.0	.1	.6	-.1	5.8	3.5	6.1	-3.2
133.0	3.0	.1	-1.1	-3.2	-.1	-.0	.1	.0	-.1	2.2	8.7	5.2	-5.7
134.0	2.9	.0	.8	.7	-.1	-.0	.1	-.0	.0	3.5	6.6	6.4	-3.7
135.0	2.9	.0	1.8	3.3	-.1	-.0	.1	-.0	.0	6.5	6.7	9.4	-3.8
145.0	1.9	.0	1.7	3.1	-.1	-.0	.1	.1	-.0	5.9	5.8	7.9	-3.9
155.0	.4	.0	1.5	2.7	-.1	-.0	.0	.1	-.0	5.2	5.2	5.6	-4.8
165.0	-1.1	.1	1.4	2.5	-.1	-.0	.0	.1	-.0	4.9	4.8	3.8	-5.9
175.0	-2.2	.1	1.3	2.4	-.1	-.0	.0	.1	-.0	4.6	4.5	2.3	-6.8
185.0	-3.2	.1	1.2	2.2	-.1	-.0	.0	.1	-.0	4.2	4.2	1.1	-7.4
195.0	-3.9	.1	1.1	2.0	-.1	-.0	.0	.1	-.0	3.9	3.9	.0	-7.8
205.0	-4.5	.1	1.0	1.9	-.1	-.0	.0	.2	.0	3.6	3.7	-.8	-8.1
215.0	-4.9	.1	1.0	1.7	-.0	-.0	.0	.2	.0	3.4	3.4	-1.5	-8.3
225.0	-5.2	.1	.9	1.6	-.0	-.0	.0	.2	.0	3.1	3.2	-2.0	-8.3
235.0	-5.3	.1	.8	1.4	-.0	-.0	.0	.2	.0	2.9	2.9	-2.4	-8.2
245.0	-5.3	.1	.7	1.3	-.0	-.0	.0	.2	.0	2.7	2.7	-2.6	-8.0
255.0	-5.0	.1	.5	.9	-.0	-.0	.0	.3	.0	2.1	2.2	-7.9	-12.7
265.0	-11.0	.1	.5	.9	-.0	-.0	.0	.4	.0	2.1	2.2	-8.9	-13.2
275.0	-11.2	.1	.4	.7	-.0	-.0	.0	.4	.1	2.0	2.1	-9.2	-13.4

AERO/ENVIRON

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-11.4	-.1	-.5	-.8	.0	.0	-.0	-.4	.0	2.0	2.1	-9.4	-13.5
295.0	-11.5	-.1	-.4	-.8	.0	.0	-.0	-.4	.0	1.9	2.0	-9.6	-13.5
305.0	-11.5	-.1	-.4	-.7	.0	.0	-.0	-.4	.0	1.8	1.9	-9.7	-13.5
315.0	-11.5	-.1	-.4	-.7	.0	.0	-.0	-.4	.0	1.8	1.9	-9.7	-13.4
325.0	-11.3	-.1	-.4	-.6	.0	.0	-.0	-.4	.0	1.7	1.8	-9.6	-13.2
335.0	-11.1	-.1	-.3	-.6	.0	.0	-.0	-.3	.0	1.7	1.8	-9.5	-12.9
345.0	-10.9	-.1	-.3	-.5	.0	.0	-.0	-.3	.0	1.6	1.7	-9.3	-12.6
355.0	-10.6	-.1	-.3	-.5	.0	-.0	-.0	-.3	.0	1.5	1.6	-9.0	-12.2
365.0	-10.2	-.1	-.2	-.4	.0	.0	.0	-.3	.0	1.5	1.6	-8.7	-11.8
375.0	-9.7	-.1	-.2	-.4	.0	-.0	.0	-.3	.0	1.4	1.5	-8.3	-11.2
385.0	-9.2	-.1	-.2	-.3	.0	.0	.0	-.3	.0	1.4	1.4	-7.9	-10.7
395.0	-8.7	-.1	-.1	-.3	.0	.0	.0	-.3	.0	1.3	1.4	-7.4	-10.1
405.0	-8.1	-.1	-.1	-.2	.0	.0	.0	-.3	.0	1.3	1.3	-6.9	-9.5
415.0	-7.5	-.1	-.1	-.1	.0	-.0	.0	-.2	-.0	1.2	1.3	-6.3	-8.8
425.0	-6.9	-.1	-.0	-.1	.0	.0	.0	-.2	-.0	1.2	1.2	-5.7	-8.1
435.0	-6.1	-.1	-.0	-.0	.0	.0	.0	-.2	-.0	1.1	1.2	-4.9	-7.3
445.0	-5.3	-.1	.0	.1	.0	-.0	.0	-.2	-.0	1.1	1.2	-4.2	-6.5
455.0	-4.5	-.1	.1	.1	.0	.0	.0	-.2	-.0	1.1	1.2	-3.4	-5.7
465.0	-3.7	-.1	.1	.2	.0	.0	.0	-.1	-.0	1.1	1.1	-2.6	-4.8
475.0	-2.8	-.0	.1	.3	.0	.0	.0	-.1	-.0	1.1	1.2	-1.8	-4.0
485.0	-2.0	-.0	.2	.3	.0	.0	.0	-.1	-.0	1.1	1.2	-.9	-3.1
495.0	-1.1	-.0	.2	.4	-.0	.0	.0	-.1	-.0	1.1	1.2	.0	-2.3
505.0	-.2	-.0	.2	.5	-.0	.0	.0	-.1	-.0	1.2	1.2	1.0	-1.5
515.0	.6	.0	.3	.5	-.0	.0	.0	-.1	-.0	1.3	1.3	1.8	-.7
525.0	1.6	.0	.3	.6	-.0	-.0	.0	-.0	-.0	1.3	1.4	2.9	.2
535.0	2.4	-.0	.4	.7	-.0	.0	.0	-.0	-.0	1.4	1.5	3.8	.9
545.0	3.2	.0	.4	.8	-.0	.0	.0	-.0	-.0	1.5	1.6	4.7	1.6
555.0	3.9	.0	.4	.8	-.0	.0	.0	-.0	-.0	1.7	1.7	5.6	2.3
565.0	4.5	.0	.5	.9	-.0	.0	.0	-.0	-.0	1.8	1.8	6.3	2.7

AERO/ENVIRON

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-11.4	.1	.4	.7	-.0	-.0	.0	.4	.1	2.0	2.1	-9.4	-13.5
295.0	-11.5	.1	.4	.6	-.0	-.0	.0	.4	.1	1.9	2.0	-9.6	-13.5
305.0	-11.5	.1	.4	.6	-.0	-.0	.0	.4	.1	1.8	1.9	-9.7	-13.5
315.0	-11.5	.1	.3	.5	-.0	-.0	.0	.4	.1	1.8	1.9	-9.7	-13.4
325.0	-11.3	.1	.3	.5	-.0	-.0	.0	.4	.1	1.7	1.8	-9.6	-13.2
335.0	-11.1	.1	.3	.4	-.0	-.0	.0	.3	.1	1.7	1.8	-9.5	-12.9
345.0	-10.9	.1	.3	.4	-.0	-.0	.0	.3	.1	1.6	1.7	-9.3	-12.6
355.0	-10.6	.1	.2	.4	-.0	-.0	.0	.3	.1	1.5	1.6	-9.0	-12.2
365.0	-10.2	.1	.2	.3	.0	-.0	.0	.3	.1	1.5	1.6	-8.7	-11.8
375.0	-9	.1	.2	.3	.0	-.0	.0	.3	.1	1.4	1.5	-8.3	-11.2
385.0	-9.4	.1	.1	.2	.0	-.0	.0	.3	.1	1.4	1.4	-7.9	-10.7
395.0	-8.7	.1	.1	.2	.0	-.0	.0	.3	.1	1.3	1.4	-7.4	-10.1
405.0	-8.1	.1	.1	.1	.0	-.0	.0	.2	.1	1.3	1.3	-6.9	-9.5
415.0	-7.5	.1	.1	.1	.0	-.0	.0	.2	.1	1.2	1.3	-6.3	-8.8
425.0	-6.9	.1	.0	.0	.0	.0	.0	.2	.1	1.2	1.2	-5.7	-8.1
435.0	-6.3	.1	.0	-.0	.0	.0	.0	.2	.1	1.1	1.2	-4.9	-7.3
445.0	-5.3	.1	-.0	-.1	.0	.0	.0	.2	.1	1.1	1.2	-4.2	-6.5
455.0	-4.5	.1	-.1	-.1	.0	.0	.0	.2	.1	1.1	1.2	-3.4	-5.7
465.0	-3.7	.1	-.1	-.2	.0	.0	.0	.1	.1	1.1	1.1	-2.6	-4.8
475.0	-2.9	.0	-.1	-.3	.0	.0	.0	.1	.1	1.1	1.2	-1.8	-4.0
485.0	-2.0	.0	-.2	-.3	.0	.0	.0	.1	.1	1.1	1.2	-.9	-3.1
495.0	-1.1	.0	-.2	-.4	.0	.0	.0	.1	.0	1.1	1.2	.0	-2.3
505.0	-.2	.0	-.2	-.4	.0	.0	.0	.1	.0	1.2	1.2	1.0	-1.5
515.0	.6	.0	-.3	-.5	.0	.0	.0	.0	.0	1.3	1.3	1.8	-.7
525.0	1.6	.0	-.3	-.6	.0	.0	-.0	.0	.0	1.3	1.4	2.9	.2
535.0	2.4	-.0	-.3	-.6	.0	.0	-.0	.0	.0	1.4	1.5	3.8	.9
545.0	3.2	-.0	-.4	-.7	.0	.0	-.0	.0	.0	1.5	1.6	4.7	1.6
555.0	3.9	-.0	-.4	-.7	.0	.0	-.0	.0	.0	1.7	1.7	5.6	2.3
565.0	4.5	-.1	-.4	-.8	.0	.0	-.0	.0	.0	1.8	1.8	6.3	2.7

MASS PROP

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	10.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.8	12.4	7.1
2.0	10.5	.1	-.0	.0	.0	-.0	.0	.1	.0	.0	1.6	1.7	12.1	8.8
3.0	10.9	.1	-.0	.0	.0	-.0	.0	.1	.0	.0	2.1	2.2	12.9	8.6
4.0	10.5	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	2.4	2.5	12.9	8.0
5.0	10.0	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	2.5	2.7	12.6	7.4
6.0	9.6	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	2.6	2.7	12.2	6.9
7.0	9.2	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	2.6	2.7	11.8	6.5
8.0	8.8	.1	-.0	.0	.0	-.0	.0	.1	.0	.0	2.5	2.6	11.4	6.2
9.0	9.1	.2	-.0	.0	.0	-.0	.1	.1	.0	.0	2.6	2.4	11.8	6.7
10.0	10.8	.1	-.0	.0	.0	-.0	-.0	.1	.0	.0	2.6	2.5	13.4	8.3
11.0	12.2	-.0	-.0	.0	.0	-.0	-.2	.1	.0	.0	2.7	2.4	14.9	9.7
12.0	12.7	-.1	-.0	.0	.0	-.0	-.3	.1	.0	.0	3.0	2.2	15.7	10.5
13.0	12.6	-.1	-.0	.0	.0	.0	-.3	.0	.0	.0	3.1	1.9	15.7	10.7
14.0	12.0	-.1	.0	.0	.0	.0	-.3	.0	.0	.0	3.2	1.5	15.2	10.5
15.0	11.0	-.1	.0	.0	.0	.0	-.3	.0	.0	.0	3.1	1.4	14.1	9.6
16.0	9.0	-.1	.0	.0	.0	.0	-.2	.0	.0	.0	2.9	1.3	11.9	7.7
17.0	6.7	-.1	.0	.0	.0	.0	-.2	.0	.0	.0	2.7	1.3	9.4	5.4
18.0	4.7	-.0	.0	.0	.0	.0	-.1	.0	.0	.0	2.5	1.3	7.3	3.4
19.0	3.1	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	2.6	1.3	5.7	1.8
20.0	2.2	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	2.7	1.7	4.9	.5
21.0	1.8	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	2.4	2.2	4.3	-.4
22.0	1.5	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	2.2	2.2	3.7	-.7
23.0	1.2	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	2.0	2.0	3.2	-.7
24.0	.8	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	1.7	1.7	2.6	-.9
25.0	.4	-.1	.0	.0	.0	.0	-.1	.0	.0	.0	1.6	1.5	2.0	-1.1
26.0	-.0	-.0	.0	.0	.0	.0	-.1	.0	.0	.0	1.4	1.3	1.4	-1.4
27.0	-.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	1.2	.8	-1.7
28.0	-1.0	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.1	1.1	.2	-2.0
29.0	-1.5	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.1	1.0	-.4	-2.4
30.0	-2.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.1	.9	-.9	-2.9
31.0	-2.5	.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.1	.9	-1.4	-3.3
32.0	-2.9	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.1	.9	-1.8	-3.8
33.0	-3.2	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.0	-2.0	-4.2
34.0	-3.3	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.1	-2.1	-4.4
35.0	-3.3	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.3	-2.1	-4.6
36.0	-3.3	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.3	-2.2	-4.7
37.0	-3.4	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.3	-2.2	-4.7
38.0	-3.5	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.3	-2.2	-4.7
39.0	-3.5	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.3	1.3	-2.2	-4.8
40.0	-3.5	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.3	1.3	-2.2	-4.8
41.0	-3.5	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	-2.1	-4.8
42.0	-3.4	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.2	-2.1	-4.7
43.0	-3.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-2.0	-4.6
44.0	-3.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-2.0	-4.5
45.0	-3.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-1.9	-4.4
46.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-1.9	-4.4
47.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-1.9	-4.4
48.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	-1.8	-4.4
49.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	-1.8	-4.5

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	10.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.8	12.4	7.1
2.0	10.5	-.1	.0	.0	.0	.0	-.1	-.1	.0	.0	1.6	1.7	12.1	8.8
3.0	10.8	-.1	.0	.0	.0	.0	-.1	-.1	.0	.0	2.1	2.2	12.9	8.6
4.0	10.5	-.0	.0	.0	.0	.0	.0	-.1	.0	.0	2.4	2.5	12.9	8.0
5.0	10.0	-.0	.0	.0	.0	.0	.1	-.1	.0	.0	2.5	2.7	12.6	7.4
6.0	9.6	-.0	.0	.0	.0	.0	.1	-.1	.0	.0	2.6	2.7	12.2	6.9
7.0	9.2	-.0	.0	.0	.0	.0	.1	-.1	.0	.0	2.6	2.7	11.8	6.5
8.0	8.8	-.0	.0	.0	.0	.0	.1	-.1	.0	.0	2.5	2.6	11.4	6.2
9.0	9.1	-.0	.0	.0	.0	.0	.4	-.1	.0	.0	2.6	2.4	11.8	6.7
10.0	10.9	-.0	.0	.0	.0	.0	1.1	-.1	.0	.0	2.6	2.5	13.4	8.3
11.0	12.2	-.0	.0	.0	.0	.0	1.8	-.1	.0	.0	2.7	2.4	14.9	9.7
12.0	12.7	-.0	.0	.0	.0	.0	2.4	-.1	.0	.0	3.0	2.2	15.7	10.5
13.0	12.6	-.0	.0	.0	.0	.0	2.7	-.0	.0	.0	3.1	1.9	15.7	10.7
14.0	12.0	.0	.0	.0	.0	.0	2.9	-.0	.0	.0	3.2	1.5	15.2	10.5
15.0	11.0	.0	.0	.0	.0	.0	2.8	-.0	.0	.0	3.1	1.4	14.1	9.6
16.0	9.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0	2.9	1.3	11.9	7.7
17.0	6.7	.0	.0	.0	.0	.0	2.4	-.0	.0	.0	2.7	1.3	9.4	5.6
18.0	4.7	.0	.0	.0	.0	.0	2.2	-.0	.0	.0	2.5	1.3	7.3	3.4
19.0	3.1	.1	-.0	.0	.0	.0	2.0	-.0	.0	.0	2.6	1.3	5.7	1.8
20.0	2.2	.1	-.0	.0	.0	.0	1.7	-.0	.0	.0	2.7	1.7	4.9	.5
21.0	1.8	.1	-.0	.0	.0	.0	1.5	-.0	.0	.0	2.4	2.2	4.3	-.4
22.0	1.5	.1	-.0	.0	.0	.0	1.4	-.0	.0	.0	2.2	2.2	3.7	-.7
23.0	1.2	.1	-.0	.0	.0	.0	1.3	-.0	.0	.0	2.0	2.0	3.2	-.7
24.0	.8	.1	-.0	.0	.0	.0	1.2	-.0	.0	.0	1.7	1.7	2.6	-.9
25.0	.6	.1	-.0	.0	.0	.0	1.1	-.0	.0	.0	1.6	1.5	2.1	-1.1
26.0	-.0	.1	.0	.0	.0	.0	1.0	-.0	.0	.0	1.4	1.3	1.4	-1.4
27.0	-.5	.0	.0	.0	.0	.0	1.0	-.0	.0	.0	1.3	1.2	.8	-1.7
28.0	-1.0	.0	.0	.0	.0	.0	.9	-.0	.0	.0	1.1	1.1	.2	-2.0
29.0	-1.5	.0	-.0	.0	.0	.0	.8	-.0	.0	.0	1.1	1.0	-.4	-2.4
30.0	-2.0	.0	.0	.0	.0	.0	.7	-.0	.0	.0	1.1	.9	-.9	-2.9
31.0	-2.5	.0	.0	.0	.0	.0	.7	-.0	.0	.0	1.1	.9	-1.4	-3.3
32.0	-2.9	.0	-.0	.0	.0	.0	.6	-.0	.0	.0	1.1	.9	-1.8	-3.8
33.0	-3.2	.0	.0	.0	.0	.0	.5	-.0	.0	.0	1.2	1.0	-2.0	-4.2
34.0	-3.3	.1	.0	.0	.0	.0	.4	-.0	.0	.0	1.2	1.1	-2.1	-4.4
35.0	-3.3	.1	.0	.0	.0	.0	.3	-.0	.0	.0	1.2	1.3	-2.1	-4.6
36.0	-3.3	.0	-.0	.0	.0	.0	.3	-.0	.0	.0	1.2	1.3	-2.2	-4.7
37.0	-3.4	.0	.0	.0	.0	.0	.3	-.0	.0	.0	1.2	1.3	-2.2	-4.7
38.0	-3.5	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-2.2	-4.7
39.0	-3.5	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.3	-2.2	-4.8
40.0	-3.5	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.3	-2.2	-4.8
41.0	-3.5	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.3	-2.1	-4.8
42.0	-3.4	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.4	1.2	-2.1	-4.7
43.0	-3.4	.1	.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.2	-2.0	-4.6
44.0	-3.3	.1	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-2.0	-4.5
45.0	-3.3	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-1.9	-4.4
46.0	-3.3	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-1.9	-4.4
47.0	-3.3	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.2	1.3	-1.9	-4.4
48.0	-3.3	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.3	1.3	-1.8	-4.4
49.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.4	1.5	-1.6	-4.5

MASS PROP

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.3	-.3	-3.2
67.0	-1.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.4	.0	-3.0
68.0	-1.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	1.4	-2.0
73.0	-.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.8	3.1	-1.0
78.0	1.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	1.7	2.2	3.9	.0
83.0	2.3	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.8	2.2	4.1	.1
84.0	2.3	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.9	2.2	4.2	.1
85.0	2.2	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	2.0	4.3	.1
86.0	2.1	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.2	2.1	4.3	.0
87.0	2.0	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.3	2.2	4.3	-.1
88.0	2.0	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.4	2.3	4.4	-.3
89.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.5	2.4	4.5	-.5
90.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.6	2.4	4.5	-.6
91.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.6	2.5	4.4	-.8
92.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.6	2.5	4.4	-.7
93.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.6	2.6	4.5	-.7
94.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.5	-.8
95.0	1.8	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.5	-.8
96.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.6	4.5	-.8
97.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.7	4.5	-.9
98.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.8	4.5	-.9
99.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.7	4.5	-.9

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.[illegible]	-1.4	-4.5
53.0	-2.8	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	.0	-.0	.0	.0	.0	.2	-.0	.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.[illegible]	1.3	-.3	-3.2
67.0	-1.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.[illegible]	1.4	.0	-3.0
68.0	-1.3	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	.1	-.0	.0	.0	.0	.1	-.0	.0	-0	1.9	1.6	1.4	-2.0
73.0	-.2	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.2	1.8	3.1	-1.0
78.0	1.2	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	.1	-.0	.0	.0	.0	.2	-.0	.0	-0	1.7	2.2	3.9	.0
83.0	2.3	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	1.8	2.2	4.1	.1
84.0	2.3	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	1.9	2.2	4.2	.1
85.0	2.2	.0	-.0	.0	.0	.0	.3	-.0	.0	.0	2.1	2.0	4.3	.1
86.0	2.1	.1	.0	.0	.0	.0	.3	-.0	.0	.0	2.2	2.1	4.3	.0
87.0	2.0	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.3	2.2	4.3	-.1
88.0	2.0	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.4	2.3	4.4	-.3
89.0	1.9	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.5	2.4	4.5	-.5
90.0	1.9	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.6	2.4	4.5	-.6
91.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.6	2.5	4.4	-.6
92.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.6	2.5	4.4	-.7
93.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.6	2.6	4.5	-.7
94.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.7	2.6	4.5	-.8
95.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.7	2.6	4.5	-.8
96.0	1.7	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.8	2.6	4.5	-.8
97.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.7	2.7	4.5	-.9
98.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.7	2.8	4.5	-.9
99.0	1.8	.1	-.0	.0	.0	.0	.3	-.0	.0	.0	2.7	2.7	4.5	-.9

MASS PROP

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.7	4.5	-.9
101.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.7	4.5	-.9
102.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.7	4.5	-.9
103.0	1.8	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.7	4.5	-.9
104.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.7	4.5	-.9
105.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.7	4.5	-.9
106.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.4	-.9
107.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.4	-.9
108.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.4	-.9
109.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.6	4.5	-.9
110.0	1.7	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.8	2.6	4.5	-.9
111.0	1.7	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.8	2.6	4.5	-.9
112.0	1.7	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.8	2.6	4.5	-.8
113.0	1.8	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.7	2.6	4.5	-.7
114.0	2.0	-.2	.1	.0	.0	.0	.0	.0	.0	.0	2.6	2.6	4.6	-.6
115.0	2.0	-.3	.2	.0	.0	.0	.0	-.0	.0	.0	2.8	2.5	4.8	-.5
116.0	2.1	-.4	.3	.0	.0	.0	.0	-.0	.0	.0	3.2	2.7	5.3	-.6
117.0	2.1	-.5	.3	.0	.0	.0	.0	-.0	.0	.0	4.0	3.0	6.1	-.9
118.0	2.1	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	4.8	3.5	6.9	-1.4
119.0	2.2	-.9	.3	.0	.0	.1	.0	-.0	.0	.0	5.2	4.1	7.4	-1.8
120.0	2.4	-.9	.3	.0	.0	.1	.0	-.0	.0	.0	5.2	4.5	7.6	-2.1
121.0	2.5	-.8	.4	.0	.0	.1	.0	-.0	.0	.0	5.0	4.7	7.5	-2.2
122.0	2.5	-.8	.4	.0	.0	.1	.0	-.0	.0	.0	4.4	4.5	7.0	-2.1
123.0	2.3	-.6	.4	.0	.0	.1	.0	-.1	.0	.0	4.2	4.2	6.5	-1.9
124.0	2.0	-.6	.5	.0	.0	.1	.0	-.1	.0	.0	4.1	3.9	6.0	-2.0
125.0	1.7	-.5	.5	.0	.0	.1	.0	-.1	.0	.0	4.0	3.8	5.7	-2.1
126.0	1.5	-.6	.6	.0	.0	.1	.0	-.1	.0	.0	3.9	4.0	5.4	-2.5
127.0	1.4	-.6	.5	.0	.0	.1	.0	-.1	.0	.0	3.6	4.0	5.0	-2.7
128.0	1.3	-.6	.5	.0	.0	.1	.0	-.1	.0	.0	3.6	4.1	4.9	-2.8
129.0	1.0	-.6	.5	.0	.0	.1	.0	-.1	.0	.0	4.6	4.0	5.7	-3.0
130.0	.8	-.6	-.0	.0	.0	-.1	.0	.1	-.0	.0	5.0	3.6	5.8	-2.8
131.0	.6	-.6	-.0	.0	.0	-.1	.0	.1	-.0	.0	5.1	3.6	5.6	-3.0
132.0	.3	-.6	-.0	.0	.0	-.1	.0	.1	-.0	.0	5.0	3.5	5.3	-3.2
133.0	3.0	-.3	-.0	.0	.0	-.1	.0	.1	-.0	.0	5.8	3.5	6.1	-4.2
134.0	2.9	-.2	-.0	.0	.0	-.1	-.0	.1	-.0	.0	2.2	8.7	5.2	-5.7
135.0	2.9	-.3	-.0	.0	.0	-.1	-.0	.1	-.0	.0	3.5	6.6	6.4	-3.7
145.0	2.9	-.3	-.0	.0	.0	-.1	-.0	.1	-.0	.0	6.5	6.7	9.4	-3.8
155.0	1.9	-.3	-.0	.0	.0	-.1	-.0	.1	-.0	.0	5.9	5.8	7.9	-3.9
165.0	.4	-.3	-.0	.0	.0	-.1	-.0	.1	-.0	.0	5.2	5.2	5.6	-4.8
175.0	-1.3	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.0	4.9	4.8	3.8	-5.9
185.0	-2.2	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.0	4.6	4.5	2.3	-6.8
195.0	-2.2	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.0	4.2	4.2	1.1	-7.4
205.0	-3.0	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.1	3.9	3.9	.0	-7.6
215.0	-4.5	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.1	3.6	3.7	-.8	-8.1
225.0	-4.9	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.1	3.4	3.4	-1.5	-8.3
235.0	-5.2	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.1	3.1	3.2	-2.0	-8.3
245.0	-5.3	-.3	-.0	.0	.0	-.0	-.0	.1	-.0	.1	2.9	2.9	-2.4	-8.2
255.0	-5.3	-.3	-.0	.0	.0	-.0	-.0	.0	-.1	.1	2.7	2.7	-2.6	-8.0
265.0	-4.9	-.6	-.0	.0	.0	-.0	-.0	.0	-.1	.1	2.1	2.2	-7.9	-12.2
265.0	-11.0	-.6	-.0	.0	.0	-.0	-.0	.0	-.1	-.1	2.1	2.2	-8.9	-13.2
275.0	-11.2	.4	-.0	.0	.0	-.0	-.0	.0	-.1	-.1	2.0	2.1	-9.2	-11.4

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	1.8	.	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.7	4.5	-.9
101.0	1.8	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.7	4.5	-.9
102.0	1.8	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.7	4.5	-.9
103.0	1.8	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.7	4.5	-.9
104.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.7	2.7	4.5	-.9
105.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.7	2.7	4.5	-.9
106.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.7	2.6	4.4	-.9
107.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.7	2.6	4.4	-.9
108.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.7	2.6	4.4	-.9
109.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.6	4.5	-.9
110.0	1.7	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.8	2.6	4.5	-.9
111.0	1.7	.1	-.1	.0	.0	.0	.2	.0	.0	.0	2.8	2.6	4.5	-.9
112.0	1.7	.1	-.1	.0	.0	.0	.2	.0	.0	.0	2.8	2.6	4.5	-.8
113.0	1.8	.2	-.1	.0	.0	.0	.2	.0	.0	.0	2.7	2.6	4.5	-.7
114.0	2.0	.2	-.1	.0	.0	-.0	.2	.0	.0	.0	2.6	2.6	4.6	-.6
115.0	2.0	.3	-.2	.0	.0	-.0	.1	.0	.0	.0	2.8	2.5	4.8	-.5
116.0	2.1	.4	-.2	.0	.0	-.0	.1	.0	.0	.0	3.2	2.7	5.3	-.6
117.0	2.1	.6	-.3	.0	.0	-.0	-.0	.0	.0	.0	4.0	3.0	6.1	-.9
118.0	2.1	.7	-.3	.0	.0	-.0	-.1	.0	.0	.0	4.8	3.5	6.9	-1.4
119.0	2.2	.8	-.3	.0	.0	-.1	-.2	.0	.0	.0	5.2	4.1	7.4	-1.9
120.0	2.4	.8	-.3	.0	.0	-.1	-.2	.0	.0	.0	5.2	4.5	7.6	-2.1
121.0	2.5	.7	-.4	.0	.0	-.1	-.2	.0	.0	.0	5.0	4.7	7.5	-2.2
122.0	2.5	.6	-.4	.0	.0	-.1	-.2	.0	.0	.0	4.6	4.5	7.0	-2.1
123.0	2.3	.6	-.4	.0	.0	-.1	-.1	.0	.0	.0	4.2	4.2	6.5	-1.9
124.0	2.0	.6	-.5	.0	.0	-.1	-.1	.0	.0	.0	4.1	3.9	6.0	-2.0
125.0	1.7	.6	-.5	.0	.0	-.1	-.1	.1	.0	.0	4.0	3.8	5.7	-2.1
126.0	1.5	.6	-.6	.0	.0	-.1	-.1	.1	.0	.0	3.9	4.0	5.4	-2.5
127.0	1.4	.6	-.5	.0	.0	-.1	-.1	.1	.0	.0	3.6	4.0	5.0	-2.7
128.0	1.3	.5	-.5	.0	.0	-.1	-.1	.1	.0	.0	3.6	4.1	4.9	-2.8
129.0	1.0	.5	-.5	.0	.0	-.1	-.1	.1	.0	.0	4.6	4.0	5.7	-3.0
130.0	.8	.5	.0	.0	.0	.1	-.1	-.1	.0	-.0	5.0	3.6	5.8	-2.8
131.0	.6	.5	.0	.0	.0	.1	-.1	-.1	.0	-.0	5.1	3.6	5.6	-3.0
132.0	.3	.5	.0	.0	.0	.1	-.1	-.1	.0	-.0	5.8	3.5	6.1	-3.2
133.0	3.0	-.9	.0	.0	.0	.1	.4	-.1	.0	-.0	2.2	8.7	5.2	-5.7
134.0	2.9	1.0	.0	.0	.0	.1	.4	-.1	.0	-.0	3.5	6.6	6.4	-3.7
135.0	2.9	.3	.0	.0	.0	.1	.4	-.1	.0	-.0	6.5	6.7	9.4	-3.8
145.0	1.9	.3	.0	.0	.0	.1	.4	-.1	.0	-.0	5.9	5.8	7.9	-3.9
155.0	.4	.3	.0	.0	.0	.0	.4	-.1	.0	-.0	5.2	5.2	5.6	-4.8
165.0	-1.1	.3	.0	.0	.0	.0	.3	-.1	.0	-.0	4.9	4.8	3.8	-5.9
175.0	-2.2	.3	.0	.0	.0	.0	.3	-.1	.0	-.0	4.6	4.5	2.3	-6.8
185.0	-3.2	.3	.0	.0	.0	.0	.3	-.1	.0	-.0	4.2	4.2	1.1	-7.4
195.0	-3.9	.3	.0	.0	.0	.0	.3	-.1	.0	-.1	3.9	3.9	.0	-7.8
205.0	-4.5	.3	.0	.0	.0	.0	.2	-.1	.0	-.1	3.6	3.7	-.8	-8.1
215.0	-4.9	.3	.0	.0	.0	.0	.2	-.1	.0	-.1	3.4	3.4	-1.5	-8.3
225.0	-5.2	.3	.0	.0	.0	.0	.2	-.1	.0	-.1	3.1	3.2	-2.0	-8.3
235.0	-5.3	.3	.0	.0	.0	.0	.2	-.1	.0	-.1	2.9	2.9	-2.4	-8.2
245.0	-5.3	.3	.0	.0	.0	.0	.2	-.0	.1	-.1	2.7	2.7	-2.6	-8.0
255.0	-9.9	.6	.0	.0	.0	.0	.1	-.0	.1	-.1	2.1	2.2	-7.9	-12.2
265.0	-11.0	.6	-.0	.0	.0	.0	.1	-.0	.1	-.1	2.1	2.2	-8.9	-13.2
275.0	-11.2	.6	-.0	.0	.0	.0	.1	-.0	.1	-.1	2.0	2.1	-9.2	-13.4

ORIGINAL PAGE IS OF POOR QUALITY

MASS PROP

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
235.0	-11.4	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	2.0	2.1	-9.4	-13.5
295.0	-11.5	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.9	2.0	-9.6	-13.5
305.0	-11.5	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.8	1.9	-9.7	-13.5
315.0	-11.5	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.8	1.9	-9.7	-13.4
325.0	-11.3	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.7	1.8	-9.6	-13.2
335.0	-11.1	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.7	1.8	-9.5	-12.9
345.0	-10.9	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.6	1.7	-9.3	-12.6
355.0	-10.6	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.5	1.6	-9.0	-12.2
365.0	-10.2	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.5	1.6	-8.7	-11.8
375.0	-9.7	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.4	1.5	-8.3	-11.2
385.0	-9.2	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.4	1.4	-7.9	-10.7
395.0	-8.7	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.4	-7.4	-10.1
405.0	-8.1	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.3	-6.9	-9.5
415.0	-7.5	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.3	-6.3	-8.8
425.0	-6.9	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.2	-5.7	-8.1
435.0	-6.1	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.1	1.2	-4.9	-7.3
445.0	-5.3	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.1	1.2	-4.2	-6.5
455.0	-4.5	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.1	1.2	-3.4	-5.7
465.0	-3.7	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.1	1.1	-2.6	-4.8
475.0	-2.9	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.1	1.2	-1.8	-4.0
485.0	-2.0	-.4	.0	.0	.0	.0	.0	.0	-.1	.3	1.1	1.2	-.9	-3.1
495.0	-1.1	-.4	.0	.0	.0	.0	.0	.0	-.1	.3	1.1	1.2	.0	-2.3
505.0	-.2	-.4	.0	.0	.0	.0	.0	-.0	-.2	.3	1.2	1.2	1.0	-1.5
515.0	.6	-.4	.0	.0	.0	.0	.0	-.0	-.2	.3	1.3	1.3	1.8	-.7
525.0	1.6	-.3	.0	.0	.0	.0	.0	-.0	-.2	.3	1.3	1.4	2.9	.2
535.0	2.4	-.3	.0	.0	.0	.0	.0	-.0	-.2	.4	1.4	1.5	3.8	.9
545.0	3.2	-.3	.0	.0	.0	.0	.0	-.0	-.2	.4	1.5	1.6	4.7	1.6
555.0	3.9	-.3	.0	.0	.0	.0	.0	-.0	-.2	.4	1.7	1.7	5.6	2.3
565.0	4.5	-.2	.0	.0	.0	.0	.0	-.0	-.2	.5	1.8	1.8	6.3	2.7

ORIGINAL PAGE IS
OF POOR QUALITY

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
285.0	-11.4	.6	-.0	.0	.0	.0	.1	-.0	.1	-.1	2.0	2.1	-9.4	-13.5
295.0	-11.5	.6	-.0	.0	.0	.0	.1	-.0	.1	-.1	1.9	2.0	-9.6	-13.5
305.0	-11.5	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.8	1.9	-9.7	-13.5
315.0	-11.5	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.8	1.9	-9.7	-13.4
325.0	-11.3	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.7	1.8	-9.6	-13.2
335.0	-11.1	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.7	1.8	-9.5	-12.9
345.0	-10.9	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.6	1.7	-9.3	-12.6
355.0	-10.6	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.5	1.6	-9.0	-12.2
365.0	-10.2	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.5	1.6	-8.7	-11.8
375.0	-9.7	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.4	1.5	-8.3	-11.2
385.0	-9.2	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.4	1.4	-7.9	-10.7
395.0	-8.7	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.3	1.4	-7.4	-10.1
405.0	-8.1	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.3	1.3	-6.9	-9.5
415.0	-7.5	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.3	-6.3	-8.8
425.0	-6.9	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.2	-5.7	-8.1
435.0	-6.1	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.1	1.2	-4.9	-7.3
445.0	-5.3	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.1	1.2	-4.2	-6.5
455.0	-4.5	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.1	1.2	-3.4	-5.7
465.0	-3.7	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.1	1.1	-2.6	-4.8
475.0	-2.9	.4	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.1	1.2	-1.8	-4.0
485.0	-2.0	.4	-.0	.0	.0	.0	-.0	.0	.1	-.3	1.1	1.2	-.9	-3.1
495.0	-1.1	.4	-.0	.0	.0	.0	-.1	.0	.2	-.3	1.1	1.2	.0	-2.3
505.0	-.2	.4	-.0	.0	.0	.0	-.1	.0	.2	-.3	1.2	1.2	1.0	-1.5
515.0	.6	.3	-.0	.0	.0	.0	-.1	.0	.2	-.3	1.3	1.3	1.8	-.7
525.0	1.6	.3	-.0	.0	.0	.0	-.1	.0	.2	-.3	1.3	1.4	2.9	.2
535.0	2.4	.3	-.0	.0	.0	-.0	-.1	.0	.2	-.4	1.4	1.5	3.8	.9
545.0	3.2	.3	.0	.0	.0	.0	-.1	.0	.2	-.4	1.5	1.6	4.7	1.6
555.0	3.9	.2	.0	.0	.0	-.0	-.1	.0	.2	-.4	1.7	1.7	5.6	2.3
565.0	4.5	.2	.0	.0	.0	-.0	-.1	.0	.2	-.5	1.8	1.8	6.3	2.7

GN/C

TIME	NOR VAL	1	2	3	4	5	6	7	8			ALPHA POS	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	10.0	.0	.0	-.4	.3	-.1	-.0	.0	.0	2.5	2.8	12.4	7.1
2.0	10.5	.0	.0	.1	.3	-.1	.0	-.0	.0	1.6	1.7	12.1	8.8
3.0	10.8	.0	.0	.3	.0	-.1	-.0	.0	.0	2.1	2.2	12.9	8.6
4.0	10.5	.0	.0	.5	-.0	.0	-.1	.0	.0	2.4	2.5	12.9	8.0
5.0	10.0	.0	.0	.6	-.1	.1	-.1	.0	.0	2.5	2.7	12.6	7.4
6.0	9.6	.0	.0	.7	-.0	.2	-.1	.0	.0	2.6	2.7	12.2	6.9
7.0	9.2	.0	.0	.8	-.0	.2	-.0	.0	.0	2.6	2.7	11.8	6.5
8.0	8.8	.0	.0	.8	-.0	.3	-.0	.0	.0	2.5	2.6	11.4	6.2
9.0	9.1	.0	.0	.9	.0	.5	.0	.0	.0	2.6	2.4	11.8	6.7
10.0	10.8	.0	.0	.7	.1	.6	-.0	.0	.0	2.6	2.5	13.4	8.3
11.0	12.2	.0	.0	.5	.3	.5	-.1	.0	.0	2.7	2.4	14.9	9.7
12.0	12.7	.0	.0	.2	.4	.5	-.1	.0	.0	3.0	2.2	15.7	10.5
13.0	12.6	.0	.0	.1	.4	.5	-.1	.0	.0	3.1	1.9	15.7	10.7
14.0	12.0	.0	.0	-.1	.5	.5	-.1	.0	.0	3.2	1.5	15.2	10.5
15.0	11.0	.0	.0	-.1	.5	.4	-.0	.0	.0	3.1	1.4	14.1	9.6
16.0	9.0	.0	.0	-.0	.5	.4	-.0	.0	.0	2.9	1.3	11.9	7.7
17.0	6.7	.0	.0	.1	.5	.4	-.0	.0	.0	2.7	1.3	9.4	5.4
18.0	4.7	.0	.0	.3	.5	.5	.0	.0	.0	2.5	1.3	7.3	3.4
19.0	3.1	.0	.0	.3	.4	.5	.0	.0	.0	2.6	1.3	5.7	1.8
20.0	2.2	.0	.0	.3	.4	.5	.0	.0	.0	2.7	1.7	4.9	.5
21.0	1.8	.0	.0	.2	.3	.5	.0	.0	.0	2.4	2.2	4.3	-.4
22.0	1.5	.0	.0	.2	.3	.5	.0	.0	.0	2.2	2.2	3.7	-.7
23.0	1.2	.0	.0	.2	.3	.5	.0	.0	.0	2.0	2.0	3.2	-.7
24.0	.8	.0	.0	.1	.2	.5	.0	.0	.0	1.7	1.7	2.6	-.9
25.0	.4	.0	-.0	.1	.2	.5	.0	.0	.0	1.6	1.5	2.0	-1.1
26.0	-.0	.0	.0	.0	.2	.4	.0	.0	.0	1.4	1.3	1.4	-1.4
27.0	-.5	.0	.0	.0	.2	.4	.0	.0	.0	1.3	1.2	.8	-1.7
28.0	-1.0	-.1	.0	.0	.2	.4	.0	.0	.0	1.1	1.1	.2	-2.0
29.0	-1.5	.2	.0	.0	.1	.4	.0	.0	.0	1.1	1.0	-.4	-2.4
30.0	-2.0	.3	.0	.0	.1	.4	.0	.0	.0	1.1	.9	-.9	-2.9
31.0	-2.5	.4	.0	-.0	.1	.4	.0	.0	.0	1.1	.9	-1.4	-3.3
32.0	-2.9	.5	.6	-.0	.1	.3	.0	.0	.0	1.1	.9	-1.8	-3.8
33.0	-3.2	.5	-.0	.0	.1	.3	.0	.0	.0	1.2	1.0	-2.0	-4.2
34.0	-3.3	.6	-.0	.0	.1	.2	.0	.0	.0	1.2	1.1	-2.1	-4.4
35.0	-3.3	.6	-.0	.0	.1	.2	.0	.0	.0	1.2	1.3	-2.1	-4.6
36.0	-3.3	.7	-.0	.0	.0	.2	.0	.0	.0	1.2	1.3	-2.2	-4.7
37.0	-3.4	.7	-.0	.0	.0	.2	.0	.0	.0	1.2	1.3	-2.2	-4.7
38.0	-3.5	.7	-.0	.0	.0	.2	.0	.0	.0	1.2	1.3	-2.2	-4.7
39.0	-3.5	.7	-.0	.0	.0	.2	.0	.0	.0	1.3	1.3	-2.2	-4.8
40.0	-3.5	.7	-.0	.0	.0	.1	.0	.0	.0	1.3	1.3	-2.2	-4.8
41.0	-3.5	.7	-.0	.0	.0	.1	.0	.0	.0	1.3	1.3	-2.1	-4.8
42.0	-3.4	.6	-.0	.0	.0	.1	.0	.0	.0	1.4	1.2	-2.1	-4.7
43.0	-3.4	.6	.0	-.0	.0	.1	.0	.0	.0	1.3	1.2	-2.0	-4.6
44.0	-3.2	.5	.0	.0	.0	.1	.0	.0	.0	1.2	1.3	-2.0	-4.5
45.0	-3.1	.5	.0	.0	.0	.1	.0	.0	.0	1.2	1.3	-1.9	-4.4
46.0	-3.1	.5	.0	.0	.0	.1	.0	.0	.0	1.2	1.3	-1.9	-4.4
47.0	-3.1	.5	.0	.0	.0	.1	.0	.0	.0	1.2	1.3	-1.9	-4.4
48.0	-3.1	.4	.0	.0	.0	.1	.0	.0	.0	1.3	1.3	-1.8	-4.4
49.0	-3.0	.4	.0	.0	.0	.1	.0	.0	.0	1.4	1.5	-1.6	-4.5

BN/C

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	-3.0	.4	.0	.0	.0	.1	.0	.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	.4	.0	.0	.0	.1	.0	.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	.4	.0	.0	.0	.1	.0	.0	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	.3	.0	.0	.0	.1	.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	.3	.0	.0	.1	.2	.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	.3	.0	.0	.	.1	.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	.3	.0	.0	.0	.1	.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	.3	.0	.0	.0	.1	.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	.3	.0	.0	.0	.1	.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	.3	.0	.0	.0	.1	.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	.3	.0	.0	.0	.1	.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	.3	.0	.0	.0	.1	.0	.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	.3	.0	.0	.0	.1	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	.1	.0	.0	.0	.1	.0	.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	.1	.0	.0	.0	.2	.0	.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	.2	.0	.0	.0	.1	.0	.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	.2	.0	.0	.0	.1	.0	.0	.0	1.6	1.3	-.3	-3.2
67.0	-1.5	.1	.0	.0	.0	.1	.0	.0	.0	1.6	1.4	.0	-3.0
68.0	-1.3	.1	.0	.1	.0	.1	.0	.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	.0	.0	.1	.0	.2	.0	.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	-.0	.0	.1	.0	.1	.0	.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	-.0	.0	.1	.0	.1	.0	.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	-.1	.0	.1	.0	.1	.0	.0	.0	1.9	1.6	1.4	-2.0
73.0	-.2	-.1	.0	.1	.0	.2	.0	.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	-.2	.0	.1	.0	.2	.0	.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	-.2	.0	.1	.0	.2	.0	.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	-.3	.0	.1	.0	.2	.0	.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	-.4	.0	.1	.1	.2	.0	.0	.0	2.2	1.8	3.1	-1.0
78.0	1.2	-.4	.0	.1	.0	.2	.0	.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	-.5	.0	.2	.1	.2	.0	.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	-.6	.1	.2	.1	.3	.0	.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	-.7	.1	.2	.1	.3	.0	.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	-.9	.1	.2	.0	.3	.0	.0	.0	1.7	2.2	3.9	.0
83.0	2.3	-1.1	.1	.2	.0	.4	.0	.0	.0	1.8	2.2	4.1	.1
84.0	2.3	-1.2	.1	.1	.0	.4	.0	.0	.0	1.9	2.2	4.2	.1
85.0	2.2	-1.4	.1	.1	.1	.4	.0	.0	.0	2.1	2.0	4.3	.1
86.0	2.1	-1.5	.1	.1	.1	.4	.0	.0	.0	2.2	2.1	4.3	.0
87.0	2.0	-1.6	.1	.1	.1	.4	.0	.0	.0	2.3	2.2	4.3	-.1
88.0	2.0	-1.8	.1	.1	.1	.5	.0	.0	.0	2.4	2.3	4.4	-.3
89.0	1.9	-1.8	.1	.1	.1	.5	.0	.0	.0	2.5	2.4	4.5	-.5
90.0	1.9	-1.8	.1	.1	.1	.5	.0	.0	.0	2.6	2.4	4.5	-.6
91.0	1.8	-1.7	.1	.1	.1	.5	.0	.0	.0	2.6	2.5	4.4	-.6
92.0	1.8	-1.7	.1	.1	.1	.5	.0	.0	.0	2.6	2.5	4.4	-.7
93.0	1.8	-1.7	.1	.1	.1	.5	.0	.0	.0	2.6	2.6	4.5	-.7
94.0	1.8	-1.7	.1	.1	.1	.5	.0	.0	.0	2.7	2.6	4.5	-.8
95.0	1.8	-1.7	.1	.1	.0	.5	.0	.0	.0	2.7	2.6	4.5	-.8
96.0	1.7	-1.6	.1	.1	.0	.5	.0	.0	.0	2.8	2.6	4.5	-.8
97.0	1.8	-1.7	.1	.1	.0	.5	.0	.0	.0	2.7	2.7	4.5	-.9
98.0	1.8	-1.7	.1	.1	.0	.5	.0	.0	.0	2.7	2.8	4.5	-.9
99.0	1.8	1.7	.1	.1	.0	.5	.0	.0	.0	2.7	2.7	4.5	-.9

GN/C

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	-3.0	-.4	.0	.0	-.0	-.1	.0	.0	.0	1.5	1.6	-1.4	-4.6
51.0	-3.0	-.4	.0	.0	-.0	-.1	.0	.0	.0	1.6	1.7	-1.4	-4.6
52.0	-2.9	-.4	.0	-.0	-.0	-.1	.0	.0	.0	1.5	1.6	-1.4	-4.5
53.0	-2.8	-.4	.0	-.0	-.0	-.1	.0	.0	.0	1.3	1.4	-1.5	-4.2
54.0	-2.9	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.2	1.3	-1.6	-4.2
55.0	-3.0	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.2	1.2	-1.7	-4.2
56.0	-3.0	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.2	1.2	-1.8	-4.2
57.0	-3.0	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.3	1.2	-1.7	-4.2
58.0	-3.0	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.3	1.2	-1.6	-4.2
59.0	-3.0	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	-.3	.0	-.0	-.0	-.1	.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.7	-.3	.0	-.0	.0	-.1	.0	.0	.0	1.5	1.3	-1.2	-4.0
62.0	-2.5	-.3	.0	-.1	.0	-.1	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	-.2	.0	-.0	.0	-.1	.0	.0	.0	1.4	1.5	-.9	-3.8
64.0	-2.2	-.1	.0	-.0	.0	-.1	.0	.0	.0	1.6	1.4	-.6	-3.6
65.0	-2.0	-.2	.0	-.0	-.0	-.1	.0	.0	.0	1.6	1.3	-.5	-3.4
66.0	-1.8	-.2	-.0	-.0	-.0	-.1	.0	.0	.0	1.6	1.3	-.3	-3.2
67.0	-1.5	-.1	-.0	-.0	-.0	-.1	.0	.0	.0	1.6	1.4	.0	-3.0
68.0	-1.3	-.1	-.0	-.1	-.0	-.1	.0	.0	.0	1.6	1.5	.3	-2.8
69.0	-1.1	-.0	-.0	-.1	-.0	-.1	.0	.0	.0	1.7	1.5	.6	-2.6
70.0	-.9	-.0	-.0	-.1	-.0	-.1	.0	.0	.0	1.8	1.5	.9	-2.4
71.0	-.7	.0	-.0	-.1	-.0	-.1	.0	.0	.0	1.8	1.5	1.1	-2.2
72.0	-.5	.0	-.0	-.1	-.0	-.1	.0	.0	.0	1.9	1.6	1.4	-2.0
73.0	-.2	.1	-.0	-.1	-.0	-.1	.0	.0	.0	1.9	1.6	1.7	-1.8
74.0	.1	.2	-.0	-.1	-.0	-.2	.0	.0	.0	2.0	1.7	2.1	-1.6
75.0	.3	.2	-.0	-.1	-.0	-.2	.0	.0	.0	2.1	1.7	2.4	-1.4
76.0	.5	.3	-.0	-.1	-.0	-.2	.0	.0	.0	2.2	1.7	2.7	-1.2
77.0	.8	.3	-.0	-.1	-.0	-.2	.0	.0	.0	2.2	1.8	3.1	-1.0
78.0	1.2	.4	-.0	-.1	-.0	-.2	.0	.0	.0	2.3	1.9	3.4	-.7
79.0	1.4	.5	.0	-.2	-.0	-.2	.0	.0	.0	2.2	2.0	3.6	-.6
80.0	1.7	.6	-.0	-.2	-.0	-.2	.0	.0	.0	2.1	2.1	3.7	-.4
81.0	2.0	.7	-.0	-.2	-.0	-.3	.0	.0	.0	1.9	2.1	3.8	-.2
82.0	2.2	.8	-.0	-.2	-.0	-.3	.0	.0	.0	1.7	2.2	3.9	.0
83.0	2.3	1.0	-.0	-.2	-.0	-.3	.0	.0	.0	1.8	2.2	4.1	.1
84.0	2.3	1.2	-.0	-.1	.0	-.4	.0	.0	.0	1.9	2.2	4.2	.1
85.0	2.2	1.4	-.0	-.1	-.0	-.4	.0	.0	.0	2.1	2.0	4.3	.1
86.0	2.1	1.5	.0	-.1	-.0	-.4	.0	.0	.0	2.2	2.1	4.3	.0
87.0	2.0	1.6	.0	-.1	-.0	-.4	.0	.0	.0	2.3	2.2	4.3	-.1
88.0	1.9	1.7	.0	-.1	-.0	-.5	.0	.0	.0	2.4	2.3	4.4	-.3
89.0	1.9	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.5	2.4	4.5	-.5
90.0	1.9	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.6	2.4	4.5	-.6
91.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.6	2.5	4.4	-.6
92.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.6	2.5	4.4	-.7
93.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.6	2.6	4.5	-.7
94.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.7	2.6	4.5	-.8
95.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.7	2.6	4.5	-.8
96.0	1.7	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.8	2.6	4.5	-.8
97.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.7	2.7	4.5	-.9
98.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.7	2.8	4.5	-.9
99.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.7	2.7	4.5	-.9

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	ALPHA	NEG		
100.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.8	2.7	4.5	-.9
101.0	1.8	1.8	.0	-.1	-.0	-.5	.0	.0	.0	2.8	2.7	4.5	-.9
102.0	1.8	1.7	.0	-.0	-.0	-.5	.0	.0	.0	2.8	2.7	4.5	-.9
103.0	1.8	1.7	.0	-.0	-.0	-.5	.0	.0	.0	2.8	2.7	4.5	-.9
104.0	1.7	1.7	.0	-.0	-.0	-.5	.0	.0	.0	2.7	2.7	4.5	-.9
105.0	1.7	1.7	.0	-.0	-.0	-.5	.0	.0	.0	2.7	2.7	4.5	-.9
106.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.7	2.6	4.4	-.9
107.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.7	2.6	4.4	-.9
108.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.7	2.6	4.4	-.9
109.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.8	2.6	4.5	-.9
110.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.8	2.6	4.5	-.9
111.0	1.7	1.6	.0	-.0	-.0	-.4	.0	.0	.0	2.8	2.6	4.5	-.9
112.0	1.7	1.6	.0	.0	-.0	-.4	.0	.0	.0	2.8	2.6	4.5	-.8
113.0	1.8	1.5	.0	-.0	-.0	-.4	.0	.0	.0	2.7	2.6	4.5	-.7
114.0	2.0	1.4	.0	-.0	-.0	-.3	.0	.0	.0	2.6	2.6	4.6	-.6
115.0	2.0	1.2	.0	-.1	-.0	-.2	.0	.0	.0	2.8	2.5	4.8	-.5
116.0	2.1	.9	.0	-.1	-.0	-.1	.0	.0	.0	3.2	2.7	5.3	-.6
117.0	2.1	.6	.0	-.1	.0	.1	.0	.0	.0	4.0	3.0	6.1	-.9
118.0	2.1	.2	-.0	-.2	.0	.3	.0	.0	.0	4.8	3.5	6.9	-1.4
119.0	2.2	-.2	-.0	-.2	.0	.4	.0	.0	.0	5.2	4.1	7.4	-1.9
120.0	2.4	-.4	-.0	-.2	.0	.4	.0	.0	.0	5.2	4.5	7.6	-2.1
121.0	2.5	-.4	-.0	-.1	.0	.3	.0	.0	.0	5.0	4.7	7.5	-2.2
122.0	2.5	-.3	-.0	.2	.0	.2	.0	.0	.0	4.6	4.5	7.0	-2.1
123.0	2.3	-.0	.0	.5	.0	.1	.0	.0	.0	4.2	4.2	6.5	-1.9
124.0	2.0	.2	.0	.8	.0	.1	.0	.0	.0	4.1	3.9	6.0	-2.0
125.0	1.7	.4	.0	.9	.0	.2	.0	.0	.0	4.0	3.8	5.7	-2.1
126.0	1.5	.4	.0	1.0	.1	.2	.0	.0	.0	3.9	4.0	5.4	-2.5
127.0	1.4	.4	.0	1.0	.1	.2	.0	.0	.0	3.6	4.0	5.0	-2.7
128.0	1.3	.4	-.0	1.0	.1	.0	.0	.0	.0	3.6	4.1	4.9	-2.8
129.0	1.0	.4	-.0	1.0	.1	.0	.0	.0	.0	4.6	4.0	5.7	-3.0
130.0	.8	.4	-.0	1.0	.1	.0	.0	.0	.0	5.0	3.6	5.8	-2.8
131.0	.6	.4	-.0	1.0	.1	.0	.0	.0	.0	5.1	3.6	5.6	-3.0
132.0	.3	.4	-.0	1.0	.1	.0	.0	.0	.0	5.8	3.5	6.1	-3.2
133.0	3.0	-.9	.1	-.3	.1	-2.1	.0	.0	.0	2.2	8.7	5.2	-5.7
134.0	2.9	1.0	.1	1.6	.1	-2.1	.0	.0	.0	3.5	6.6	6.4	-3.7
135.0	2.9	4.0	.1	3.5	.1	-2.2	.0	.0	.0	6.5	6.7	9.4	-3.8
145.0	3.9	3.7	.0	3.4	.1	-2.0	.0	.0	.0	5.9	5.8	7.9	-3.9
155.0	.4	3.2	.0	3.2	.1	-1.8	.0	.0	.0	5.2	5.2	5.6	-4.8
165.0	-1.3	3.0	.0	3.1	.1	-1.7	.0	.0	.0	4.9	4.8	3.8	-5.9
175.0	-2.2	2.8	.0	1.1	.1	-1.6	.0	.0	.0	4.6	4.5	2.3	-6.8
185.0	-3.2	2.6	.0	1.0	.0	-1.4	.0	.0	.0	4.2	4.2	1.1	-7.4
195.0	-3.9	2.4	.0	.9	.0	-1.3	.0	.0	.0	3.9	3.9	.0	-7.8
205.0	-4.5	2.2	.0	.8	.0	-1.2	.0	.0	.0	3.6	3.7	-.8	-8.1
215.0	-4.9	2.0	.0	.8	.0	-1.2	.0	.0	.0	3.4	3.4	-1.5	-8.3
225.0	-5.2	1.9	.0	.7	.0	-1.1	.0	.0	.0	3.1	3.2	-2.0	-8.3
235.0	-5.3	1.7	-.0	.7	.0	-1.0	.0	.0	.0	2.9	2.9	-2.4	-8.2
245.0	-5.3	1.6	-.0	.6	.0	-.9	.0	.0	.0	2.7	2.7	-2.6	-8.0
255.0	-5.2	1.5	-.0	.4	.0	-.6	.0	.0	.0	2.1	2.2	-7.9	-12.2
265.0	-11.0	.9	-.0	.4	.0	-.6	.0	.0	.0	2.1	2.2	-8.9	-13.2
275.0	-11.2	.8	-.0	.4	.0	-.5	.0	.0	-.1	2.0	2.1	-9.2	-13.4

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA	POS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-13.3	-2.0	.0	.2	-.6	.0	.0	1.6	-.1	.0	.0	.3	2.4	2.5	-10.8	-15.8
2.0	-5.5	-.7	.0	.1	.1	.0	-.0	.3	.0	.0	-.0	.1	-.8	2.3	-4.8	-7.8
3.0	-3.4	-.4	.0	.0	.5	.0	-.1	-1.2	.0	.0	.0	-.1	.7	4.1	-2.7	-7.4
4.0	-2.4	-.2	.0	.0	.8	.0	.0	-1.9	.0	.0	.0	-.2	.8	5.1	-1.6	-7.5
5.0	-1.9	-.2	.0	.0	.9	.0	.1	-2.3	.0	.0	.0	-.3	1.0	5.6	-.9	-7.5
6.0	-1.6	-.1	.0	.0	.9	.0	.1	-2.4	.0	.0	.0	-.3	1.1	5.7	-.6	-7.3
7.0	-1.6	-.1	.0	.0	1.0	.0	.1	-2.5	.0	.0	.0	-.3	1.2	5.5	-.4	-7.1
8.0	-1.5	-.1	.0	.0	1.0	.0	.1	-2.1	.0	.0	.0	-.3	1.2	5.2	-.4	-6.8
9.0	-1.7	-.2	.0	-.1	.8	.0	.1	-1.9	-.2	.0	-.1	-.3	1.0	5.0	-.7	-6.6
10.0	-1.7	.1	.0	-.0	.7	.0	.5	-1.6	.0	.0	.1	-.2	1.1	4.4	-.6	-6.0
11.0	-.8	.5	.0	-.0	.4	.0	.9	-1.3	.1	.0	.3	-.1	1.5	3.7	.7	-4.5
12.0	.3	.8	.0	-.1	.1	.0	1.2	-1.0	.2	.0	.4	.0	1.8	3.1	2.1	-2.8
13.0	1.1	.9	.0	-.1	-.2	.0	1.4	-.6	.1	.0	.4	.0	2.0	2.6	3.1	-1.5
14.0	1.6	.9	.0	-.1	-.4	.0	1.4	-.3	.1	.0	.4	.1	2.0	2.2	3.6	-.7
15.0	1.7	.8	.0	-.1	-.6	.0	1.4	-.1	.1	.0	.3	.1	1.9	2.0	3.8	-.3
16.0	1.4	.6	.0	-.1	-.5	.0	1.2	.0	.0	.0	.3	.1	1.8	1.9	3.1	-.5
17.0	1.0	.6	.0	-.1	-.4	.0	1.1	.0	.0	.0	.2	.1	1.6	1.8	2.6	-.8
18.0	.9	.6	.0	-.1	-.2	.0	1.0	.0	.0	.0	.2	.0	1.5	1.7	2.4	-.8
19.0	1.0	.6	.0	-.1	.0	.0	.9	-.0	-.0	.0	.2	.0	1.4	1.6	2.4	-.6
20.0	1.3	.4	.0	-.1	.1	.0	.9	-.0	-.0	.0	.2	-.0	1.2	1.5	2.5	-.3
21.0	1.4	.3	.0	-.1	.1	.0	.8	-.0	-.0	.0	.1	-.0	1.1	1.5	2.5	-.1
22.0	1.4	.3	.0	-.1	.1	.0	.7	-.0	-.0	.0	.1	-.0	1.0	1.5	2.4	-.1
23.0	1.3	.3	.0	-.1	.1	.0	.7	-.0	-.0	.0	.1	-.0	1.0	1.4	2.3	-.1
24.0	1.3	.3	.0	-.1	.2	.0	.6	-.0	-.0	.0	.1	-.0	.9	1.4	2.2	-.1
25.0	1.2	.2	.0	-.0	.2	.0	.6	-.0	-.0	.0	.1	-.0	.8	1.3	2.1	-.1
26.0	1.3	.2	.0	-.0	.1	.0	.5	-.0	-.0	.0	.1	-.0	.8	1.3	2.0	-.1
27.0	1.2	.2	.0	-.1	.1	.0	.5	-.0	-.0	.0	.1	-.0	.7	1.3	2.0	-.1
28.0	1.1	.3	.0	-.1	.2	.0	.5	-.0	-.0	.0	.1	-.0	.8	1.4	1.9	-.2
29.0	1.0	.3	.0	-.0	.2	.0	.4	-.0	-.0	.0	.1	-.0	.8	1.4	1.8	-.4
30.0	1.0	.3	.0	-.0	.2	.0	.4	-.0	-.0	.0	.1	-.0	.8	1.5	1.8	-.5
31.0	.9	.2	.0	-.0	.2	.0	.3	-.0	-.0	.0	.1	-.0	.8	1.5	1.8	-.6
32.0	.8	.2	.0	-.0	.2	.0	.3	-.0	-.0	.0	.1	.0	.9	1.6	1.7	-.7
33.0	.8	.2	.0	-.0	.2	.0	.3	-.0	-.0	.0	.0	.0	.9	1.6	1.7	-.9
34.0	.7	.3	.0	-.0	.2	.0	.2	-.0	-.0	.0	.0	.0	1.0	1.7	1.7	-1.0
35.0	.6	.3	.0	-.0	.2	.0	.2	-.0	-.0	.0	.0	.0	1.1	1.7	1.7	-1.1
36.0	.5	.3	.0	-.0	.2	.0	.2	-.0	-.0	.0	.0	.0	1.2	1.8	1.7	-1.3
37.0	.4	.2	.0	-.0	.2	.0	.1	-.0	-.0	.0	.0	.0	1.2	1.8	1.6	-1.4
38.0	.4	.2	.0	-.0	.2	.0	.1	.0	-.0	.0	.0	.0	1.3	1.8	1.6	-1.5
39.0	.3	.2	.0	-.0	.3	.0	.1	.0	-.0	.0	.0	.0	1.3	1.8	1.6	-1.5
40.0	.2	.2	.0	-.0	.3	.0	.1	.0	.0	.0	.0	.0	1.4	1.9	1.6	-1.6
41.0	.2	.2	.0	-.0	.3	.0	.1	.0	.0	.0	.0	.0	1.4	1.9	1.6	-1.6
42.0	.2	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.4	1.8	1.6	-1.6
43.0	.2	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.3	1.7	1.5	-1.5
44.0	.2	.0	.0	.0	.3	.0	.1	.0	.0	-.0	.0	.0	1.2	1.7	1.5	-1.4
45.0	.2	-.0	.0	.0	.3	.0	.1	.0	.0	-.0	.0	.0	1.2	1.6	1.4	-1.4
46.0	.3	-.0	.0	.0	.3	.0	.1	.0	.0	-.0	.0	.0	1.1	1.6	1.4	-1.3
47.0	.3	-.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.1	1.5	1.4	-1.3
48.0	.3	-.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.1	1.6	1.5	-1.2
49.0	.3	-.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.1	1.6	1.5	-1.2

PROPULSION

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-13.3	1.7	.0	-.2	-1.4	-.3	-.0	.0	-.1	.0	-.0	.0	2.4	2.5	-10.8	-15.8
2.0	-5.5	.6	.0	-.1	-.3	-.3	.0	.0	-.0	.0	-.0	.0	.8	2.3	-4.8	-7.8
3.0	-3.4	.3	.0	-.0	.3	-.4	.1	.0	-.0	.0	.0	.0	.7	6.1	-2.7	-7.4
4.0	-2.4	.2	.0	-.0	.7	-.4	.0	.0	-.0	.0	.0	.0	.8	5.1	-1.6	-7.5
5.0	-1.9	.1	.0	-.0	.8	-.4	-.0	.0	-.0	.0	-.0	.0	1.0	5.6	-.9	-7.5
6.0	-1.6	.1	.0	-.0	.9	-.5	-.1	.0	.0	.0	-.0	.0	1.1	5.7	-.6	-7.3
7.0	-1.5	.1	.0	-.0	1.0	-.4	-.0	.0	.0	.0	-.0	.0	1.2	5.5	-.4	-7.1
8.0	-1.7	-.1	.0	-.0	1.0	-.4	-.0	.0	.0	.0	-.0	.0	1.2	5.2	-.4	-6.8
9.0	-1.7	-.1	.0	.0	.8	-.4	-.1	.0	-.1	.0	-.2	.0	1.0	5.0	-.7	-6.6
10.0	-1.7	-.2	.0	.0	.8	-.3	-.5	.0	-.0	.0	-.1	.0	1.1	4.4	-.6	-6.0
11.0	-.8	-.4	.0	.0	.7	-.2	-.9	.0	-.0	.0	-.1	.0	1.5	3.7	-.7	-4.5
12.0	.3	-.6	.0	.1	.5	-.2	-1.2	.0	-.0	.0	-.2	.0	1.8	3.1	2.1	-2.8
13.0	1.1	-.7	.0	.1	.3	-.1	-1.4	.0	-.1	.0	-.3	.0	2.0	2.6	3.1	-1.5
14.0	1.6	-.7	.0	.1	.1	-.0	-1.4	.0	-.1	.0	-.3	.0	2.0	2.2	3.6	-.7
15.0	1.7	-.7	.0	.1	-.2	.0	-1.3	.0	-.1	.0	-.3	.0	1.9	2.0	3.6	-.3
16.0	1.4	-.6	.0	.1	-.2	.0	-1.2	.0	-.1	.0	-.3	.0	1.8	1.9	3.1	-.5
17.0	1.0	-.6	.0	.1	-.1	.0	-1.1	.0	-.1	.0	-.3	.0	1.6	1.8	2.6	-.8
18.0	.9	-.6	.0	.1	.1	.0	-1.0	.0	-.1	.0	-.3	.0	1.5	1.7	2.4	-.8
19.0	1.0	-.4	.0	.1	.3	-.0	-.9	.0	-.1	.0	-.3	.0	1.4	1.6	2.4	-.6
20.0	1.3	-.4	.0	.1	.3	-.0	-.9	.0	-.1	.0	-.3	.0	1.2	1.5	2.5	-.3
21.0	1.4	-.4	.0	.0	.3	-.1	-.8	.0	-.1	.0	-.2	.0	1.1	1.5	2.5	-.1
22.0	1.4	-.4	.0	.1	.3	-.1	-.7	.0	-.1	.0	-.2	.0	1.0	1.5	2.4	-.1
23.0	1.3	-.4	.0	.0	.4	-.1	-.7	.0	-.1	.0	-.2	.0	1.0	1.4	2.3	-.1
24.0	1.3	-.3	.0	.0	.4	-.1	-.6	.0	-.1	.0	-.2	.0	.9	1.4	2.2	-.1
25.0	1.2	-.3	.0	.0	.3	-.1	-.6	.0	-.1	.0	-.2	.0	.8	1.3	2.1	-.1
26.0	1.3	-.3	.0	.0	.3	-.1	-.5	.0	-.1	.0	-.2	.0	.8	1.3	2.0	-.1
27.0	1.2	-.4	.0	.0	.3	-.1	-.5	.0	-.0	.0	-.2	.0	.7	1.3	2.0	-.1
28.0	1.1	-.3	.0	.0	.4	-.1	-.5	.0	-.0	.0	-.1	.0	.8	1.4	1.9	-.2
29.0	1.0	-.3	.0	.0	.4	-.1	-.4	.0	-.0	.0	-.1	.0	.8	1.5	1.8	-.4
30.0	1.0	-.3	.0	.0	.4	-.1	-.4	.0	-.0	.0	-.1	.0	.8	1.5	1.8	-.5
31.0	.9	-.3	.0	.0	.4	-.1	-.3	.0	-.0	.0	-.1	.0	.8	1.5	1.8	-.6
32.0	.8	-.3	.0	.0	.4	-.1	-.3	.0	-.0	.0	-.1	.0	.9	1.6	1.7	-.7
33.0	.8	-.3	.0	.0	.4	-.1	-.3	.0	-.0	.0	-.1	.0	.9	1.6	1.7	-.9
34.0	.7	-.3	.0	.0	.4	-.1	-.2	.0	-.0	.0	-.1	.0	1.0	1.7	1.7	-1.0
35.0	.6	-.3	.0	.0	.4	-.1	-.2	.0	-.0	.0	-.1	.0	1.1	1.7	1.7	-1.1
36.0	.5	-.2	.0	.0	.4	-.1	-.2	.0	.0	.0	-.1	.0	1.2	1.8	1.7	-1.3
37.0	.4	-.2	.0	.0	.4	-.1	-.1	.0	.0	.0	-.1	.0	1.2	1.8	1.6	-1.4
38.0	.4	-.2	.0	.0	.4	-.1	-.1	.0	.0	.0	-.0	.0	1.3	1.8	1.6	-1.5
39.0	.3	-.1	.0	.0	.4	-.1	-.1	.0	.0	.0	-.0	.0	1.3	1.8	1.6	-1.5
40.0	.2	-.1	.0	.0	.4	-.1	-.1	.0	.0	.0	-.0	.0	1.4	1.9	1.6	-1.6
41.0	.2	-.0	.0	.0	.4	-.1	-.1	.0	.0	.0	-.0	.0	1.4	1.9	1.6	-1.6
42.0	.2	-.0	.0	.0	.3	-.1	-.1	.0	.0	.0	-.0	.0	1.4	1.8	1.6	-1.6
43.0	.2	.0	.0	.0	.3	-.1	-.1	.0	-.0	.0	-.0	.0	1.3	1.7	1.5	-1.5
44.0	.2	.0	.0	.0	.3	-.1	-.1	.0	-.0	.0	-.0	.0	1.2	1.7	1.5	-1.4
45.0	.2	.0	.0	.0	.3	-.1	-.1	.0	-.0	.0	-.0	.0	1.2	1.6	1.4	-1.4
46.0	.3	.0	.0	.0	.3	-.1	-.1	.0	-.0	.0	-.0	.0	1.1	1.6	1.4	-1.3
47.0	.3	.0	.0	.0	.3	-.1	-.1	.0	-.0	.0	-.0	.0	1.1	1.5	1.4	-1.3
48.0	.3	.0	.0	.0	.2	-.1	-.1	.0	-.0	.0	-.0	.0	1.1	1.6	1.5	-1.2
49.0	.3	-.0	.0	.0	.2	-.1	-.1	.0	-.0	.0	-.0	.0	1.1	1.6	1.5	-1.2

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA POS			
50.0	.4	-.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.1	1.6	1.5	-1.2
51.0	.4	-.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	1.2	1.6	1.6	-1.2
52.0	.4	.0	.0	-.0	.1	.0	.1	.0	-.0	.0	.0	.0	1.2	1.5	1.6	-1.2
53.0	.3	.1	.0	-.0	.2	.0	.1	.0	-.0	.0	.0	.0	1.2	1.5	1.5	-1.2
54.0	.2	.2	.0	-.0	.2	.0	.1	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
55.0	.2	.2	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
56.0	.2	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.4
57.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.3	1.6	1.5	-1.4
58.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.3	1.7	1.5	-1.4
59.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.3	1.7	1.6	-1.4
60.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.3	1.7	1.6	-1.5
61.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.3	1.8	1.6	-1.5
62.0	.3	.0	.0	.0	.3	.0	.1	-.0	-.0	.0	.0	.0	1.3	1.8	1.6	-1.5
63.0	.3	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.3	1.8	1.6	-1.5
64.0	.3	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.3	1.7	1.5	-1.4
65.0	.3	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
66.0	.3	-.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	-.0	1.1	1.5	1.4	-1.2
67.0	.3	-.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	-.0	1.1	1.5	1.4	-1.2
68.0	.3	-.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.1
69.0	.4	-.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.1
70.0	.4	-.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.1
71.0	.4	-.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
72.0	.4	-.0	.0	.0	.2	.0	-.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
73.0	.4	.0	.0	-.0	.2	.0	.1	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
74.0	.4	.0	-.0	-.0	.2	.0	.2	-.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
75.0	.4	.1	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.0	.9	1.4	1.3	-1.0
76.0	.4	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
77.0	.4	.0	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.1	.9	1.3	1.3	-.9
78.0	.4	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
79.0	.4	.0	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.1	1.0	1.3	1.4	-.9
80.0	.4	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	-.1	1.1	1.4	1.5	-1.0
81.0	.5	-.0	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.1	1.1	1.4	1.6	-.9
82.0	.5	-.1	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.1	1.2	1.4	1.7	-1.0
83.0	.6	-.1	.0	.0	.2	.0	.2	-.0	.0	.0	.0	-.1	1.2	1.5	1.8	-.9
84.0	.6	-.1	.0	.0	.2	.0	.3	-.0	.0	.0	.0	-.1	1.3	1.5	1.9	-1.0
85.0	.6	-.1	.0	.0	.1	.0	.3	-.0	.0	.0	.0	-.1	1.4	1.6	2.0	-1.0
86.0	.7	-.1	.0	.0	.1	.0	.3	-.0	.0	.0	.0	-.1	1.5	1.7	2.2	-1.0
87.0	.7	-.1	.0	-.0	.1	.0	.3	-.0	.0	.0	.0	-.1	1.6	1.8	2.3	-1.1
88.0	.7	-.0	.0	-.0	.0	.0	.3	-.0	-.0	.0	.0	-.1	1.8	1.9	2.4	-1.2
89.0	.6	.0	.0	-.0	.0	.0	.3	-.0	-.0	.0	.0	-.1	1.8	1.9	2.4	-1.3
90.0	.6	.1	.0	-.0	.0	.0	.3	-.0	-.0	.0	.0	-.1	1.8	1.9	2.4	-1.3
91.0	.6	.1	.0	-.0	.0	.0	.3	-.0	-.0	.0	.0	-.1	1.8	1.9	2.4	-1.4
92.0	.5	.1	.0	-.0	.1	.0	.3	-.0	-.0	.0	.0	-.1	1.8	1.9	2.4	-1.4
93.0	.5	.1	.0	.0	.2	.0	.3	-.0	.0	.0	.0	-.1	1.8	1.9	2.4	-1.4
94.0	.6	.1	.0	.0	.3	.0	.3	-.0	.0	.0	.0	-.1	1.9	1.9	2.4	-1.4
95.0	.6	-.0	.0	.0	.3	.0	.3	-.1	.0	.0	.0	-.1	1.9	1.9	2.5	-1.3
96.0	.6	-.1	.0	.0	.3	.0	.3	-.1	.0	.0	.0	-.1	1.9	2.0	2.5	-1.3
97.0	.7	-.1	.0	-.0	.3	.0	.2	-.1	-.0	.0	.0	-.1	1.9	2.0	2.5	-1.3
98.0	.6	-.1	.0	.0	.4	.0	.2	-.1	.0	.0	.0	-.0	1.9	2.0	2.6	-1.3
99.0	.7	-.0	.0	.0	.5	.0	.2	-.1	.0	.0	.0	-.0	1.9	2.0	2.6	-1.3

PROPULSION

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA	POS		
100.0	.6	.0	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	-.0	1.9	2.0	2.6	-1.3
101.0	.6	.0	.0	-.0	.6	.0	.2	-.1	-.0	.0	.0	-.0	2.0	2.0	2.6	-1.3
102.0	.6	.0	.0	-.0	.6	.0	.2	-.1	-.0	.0	.0	-.0	2.0	2.0	2.6	-1.4
103.0	.6	.1	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	-.0	2.0	2.0	2.6	-1.4
104.0	.5	.1	.0	-.0	.6	.0	.2	-.1	-.0	.0	.0	-.0	2.0	2.0	2.6	-1.4
105.0	.5	.1	.0	.0	.6	.0	.2	-.1	.0	.0	.0	-.0	2.0	2.0	2.5	-1.5
106.0	.6	.1	.0	.0	.6	.0	.2	-.1	.0	.0	.0	-.0	2.0	2.0	2.6	-1.4
107.0	.6	.0	.0	.0	.6	.0	.2	-.1	.0	.0	.0	-.0	2.0	2.0	2.6	-1.4
108.0	.6	-.0	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	.0	1.9	2.0	2.6	-1.4
109.0	.6	-.1	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	.0	1.9	1.9	2.4	-1.3
110.0	.6	-.0	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	.0	1.7	1.9	2.3	-1.3
111.0	.5	.0	.0	-.0	.5	.0	.2	-.1	-.0	.0	.0	.0	1.6	1.9	2.1	-1.4
112.0	.5	.1	.0	.0	.5	.0	.2	-.1	.0	.0	.0	.0	1.6	2.1	2.1	-1.5
113.0	.5	.0	.9	.0	.5	.0	.2	-.2	.0	.0	.0	.0	1.8	2.4	2.3	-1.9
114.0	.5	.0	2.5	.0	.4	.0	.2	-.2	.0	.0	.0	.1	2.9	3.5	3.5	-2.9
115.0	.5	-.0	3.6	.0	.4	.0	.1	-.3	.0	.0	.0	.1	3.9	4.4	4.4	-3.8
116.0	.5	-.0	4.0	.0	.4	.0	.1	-.4	.0	.0	.0	.2	4.4	4.9	4.9	-4.4
117.0	.5	-.0	4.3	.0	.4	.0	.1	-.5	.0	.0	.0	.3	4.7	5.2	5.2	-4.7
118.0	.5	.0	4.3	.0	.5	.0	.1	-.6	.0	.0	.0	.4	4.7	5.1	5.2	-4.6
119.0	.5	.0	4.1	.1	.5	.0	.1	-.6	.0	.0	.0	.5	4.4	4.7	4.9	-4.2
120.0	.5	-.0	3.7	.1	.5	.0	.2	-.7	.0	.0	.0	.6	4.1	4.4	4.6	-3.8
121.0	.6	-.1	3.4	.1	.5	.0	.2	-.7	.0	.0	.0	.7	3.8	4.0	4.4	-3.4
122.0	.6	-.1	3.1	.1	.4	.0	.2	-.5	.0	.0	.0	.7	3.5	3.5	4.1	-2.9
123.0	.6	-.1	2.6	.0	.2	.0	.2	-.3	.0	.0	.0	.8	3.0	2.9	3.6	-2.3
124.0	.6	-.1	1.8	.0	.1	.0	.2	-.1	.0	-.0	.0	.9	2.3	2.1	2.9	-1.5
125.0	.6	-.1	.4	.0	-.0	.0	.2	.1	.0	-.0	.0	.8	1.6	1.3	2.2	-.7
126.0	.6	-.0	-.7	.1	.0	.0	-.0	.4	.0	-.0	.0	.7	1.8	1.6	2.4	-1.0
127.0	.7	-.0	-1.1	.1	.0	.0	.1	.3	.0	-.0	.0	.7	2.0	1.8	2.7	-1.1
128.0	.7	-.0	-1.2	.1	.0	.0	.2	.3	.0	-.0	.0	.7	2.2	2.1	2.9	-1.4
129.0	.7	-.1	-1.2	.1	.0	.0	.2	.3	.0	-.0	.0	.7	2.2	2.1	2.9	-1.4
130.0	.7	-.1	-1.3	.1	.0	.0	.4	.5	.0	.0	.0	.7	2.5	2.2	3.2	-1.5
131.0	.7	-.1	-1.3	.1	-.0	.0	.4	.5	.0	.0	.0	.6	2.5	2.2	3.2	-1.5
132.0	.7	-.1	-1.3	.1	-.0	.0	.4	.5	.0	.0	.0	.6	2.5	2.2	3.2	-1.5
133.0	.1	.6	-1.3	.0	-.3	.0	.4	.5	.0	.0	-.3	-.9	5.2	4.2	5.2	-4.1
134.0	.1	.6	-1.3	-.0	-.3	.0	.4	.5	-.0	.0	-.3	-.9	5.1	5.3	5.2	-5.2
135.0	.1	.6	-1.4	-.0	-.4	.0	.4	.4	-.0	.0	.1	-1.0	5.1	5.3	5.2	-5.2
145.0	-.1	-.2	-1.3	-.0	-.4	.0	.4	.4	-.0	.0	.1	-.9	4.8	5.0	4.7	-5.1
155.0	-.2	-.2	-1.2	-.0	-.3	.0	.3	.4	-.0	.0	.1	-.8	4.5	4.7	4.2	-4.9
165.0	-.2	-.2	-1.1	-.0	-.3	.0	.3	.4	-.0	.0	.1	-.8	4.1	4.3	4.0	-4.5
175.0	-.1	-.1	-1.0	-.0	-.3	.0	.3	.3	-.0	.0	.0	-.7	3.8	4.0	3.7	-4.1
185.0	-.1	-.1	-.9	-.0	-.3	.0	.3	.3	-.0	.0	.0	-.7	3.5	3.6	3.3	-3.8
195.0	-.1	-.1	-.9	-.0	-.2	.0	.3	.3	-.0	.0	.0	-.6	3.2	3.3	3.0	-3.5
205.0	-.1	-.1	-.8	-.0	-.2	.0	.2	.3	-.0	.0	.0	-.5	2.9	3.0	2.7	-3.2
215.0	-.2	-.1	-.7	-.0	-.2	.0	.2	.2	-.0	.0	.0	-.5	2.6	2.7	2.5	-2.9
225.0	-.2	-.1	-.6	-.0	-.2	.0	.2	.2	-.0	.0	.0	-.4	2.3	2.5	2.2	-2.6
235.0	-.2	-.1	-.6	-.0	-.2	.0	.2	.2	-.0	.0	.0	-.4	2.1	2.2	1.9	-2.3
245.0	-.2	-.1	-.5	.0	-.1	.0	.1	.2	-.0	.0	.0	-.4	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.4	.4	-1.5	-2.2
265.0	-1.9	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	.1	-1.8	-2.0

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA			NEG
100.0	.6	-.2	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.1	.0	1.9	2.0	2.6	-1.3
101.0	.6	-.2	.0	.0	.7	-.0	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.6	-1.3
102.0	.6	-.1	.0	.0	.7	-.0	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.6	-1.4
103.0	.6	-.0	.0	.0	.7	-.0	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.6	-1.4
104.0	.5	.0	.0	.0	.7	-.0	-.2	.0	.0	.0	-.1	.0	2.0	2.0	2.6	-1.4
105.0	.5	.0	.0	.0	.7	-.1	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.5	-1.5
106.0	.6	-.1	.0	.0	.6	-.0	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.6	-1.4
107.0	.6	-.1	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.1	.0	2.0	2.0	2.6	-1.4
108.0	.6	-.1	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.1	.0	1.9	2.0	2.6	-1.4
109.0	.6	-.1	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.1	.0	1.9	1.9	2.4	-1.3
110.0	.6	-.0	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.1	.0	1.7	1.9	2.3	-1.3
111.0	.5	-.0	.0	.0	.5	-.1	-.2	.0	-.0	.0	-.1	.0	1.6	1.9	2.1	-1.4
112.0	.5	.0	-.0	.0	.5	-.1	-.2	.0	-.0	.0	-.1	.0	1.6	2.1	2.1	-1.5
113.0	.5	-.0	-.9	.0	.4	-.1	-.2	.0	-.0	.0	-.1	.0	1.8	2.4	2.3	-1.9
114.0	.5	-.1	-2.5	.0	.4	-.2	-.2	.0	-.0	.0	-.1	.0	2.9	3.5	3.5	-2.9
115.0	.5	-.1	-3.5	.0	.4	-.2	-.1	.0	-.0	.0	-.1	.0	3.9	4.4	4.4	-3.8
116.0	.5	-.0	-4.1	.0	.4	-.2	-.1	.0	-.0	.0	-.0	.0	4.4	4.9	4.9	-4.4
117.0	.5	.0	-4.4	.0	.3	-.2	-.1	.0	-.0	.0	-.0	.0	4.7	5.2	5.2	-4.7
118.0	.5	.1	-4.3	-.0	.3	-.3	-.1	.0	-.0	.0	-.0	.0	4.7	5.1	5.2	-4.6
119.0	.5	.0	-4.0	-.0	.3	-.3	-.1	.0	-.1	.0	-.0	.0	4.4	4.7	4.9	-4.2
120.0	.5	.0	-3.7	-.1	.2	-.3	-.2	.0	-.1	.0	-.0	.0	4.1	4.4	4.6	-3.8
121.0	.6	-.0	-3.4	-.1	.2	-.2	-.2	.0	-.1	.0	-.0	.0	3.8	4.0	4.4	-3.4
122.0	.6	.0	-3.0	-.1	.1	-.2	-.2	.0	-.1	.0	-.0	.0	3.5	3.5	4.1	-2.9
123.0	.6	.0	-2.5	-.1	-.0	-.2	-.2	.0	-.1	.0	-.0	.0	3.0	2.9	3.6	-2.3
124.0	.6	.0	-1.7	-.1	-.2	-.2	-.2	.0	-.1	.0	-.0	.0	2.3	2.1	2.9	-1.5
125.0	.6	.0	-.3	-.1	-.3	-.1	-.2	.0	-.1	.0	-.0	.0	1.6	1.3	2.2	-.7
126.0	.6	.0	.8	-.1	-.3	-.1	-.0	.0	-.1	.0	-.0	.0	1.8	1.6	2.4	-1.0
127.0	.7	.0	1.3	-.1	-.4	-.5	-.2	.0	-.1	.0	-.0	.0	2.0	1.8	2.7	-1.1
128.0	.7	-.0	1.4	-.1	-.4	-.1	-.2	.0	-.1	.0	-.1	.0	2.2	2.1	2.9	-1.4
129.0	.7	-.0	1.4	-.1	-.4	-.1	-.2	.0	-.1	.0	-.1	.0	2.2	2.1	2.9	-1.4
130.0	.7	-.0	1.4	-.1	-.4	.2	-.4	.0	-.1	-.0	-.0	.0	2.5	2.2	3.2	-1.5
131.0	.7	-.0	1.4	-.1	-.4	.2	-.4	.0	-.1	-.0	-.0	.0	2.5	2.2	3.2	-1.5
132.0	.7	-.0	1.4	-.1	-.4	.2	-.4	.0	-.1	-.0	-.0	.0	2.5	2.2	3.2	-1.5
133.0	.7	.2	1.3	-.0	-.4	.2	-.4	.0	-.1	-.0	-.2	.0	5.2	4.2	5.2	-4.1
134.0	.7	.1	1.3	.0	-.3	.2	-.4	.0	-.0	-.0	-.2	.0	5.1	5.3	5.2	-5.2
135.0	.8	.1	1.3	.0	-.3	.2	-.4	.0	-.0	-.0	-.2	.0	5.1	5.3	5.2	-5.2
145.0	-.1	-.0	1.2	.0	-.3	.1	-.4	.0	-.0	-.0	-.2	.0	4.8	5.0	4.7	-5.1
155.0	-.2	.2	1.1	.0	-.3	.1	-.3	.0	-.0	-.0	-.1	.0	4.5	4.7	4.2	-4.9
165.0	-.2	.1	1.0	.0	-.3	.1	-.3	.0	-.0	-.0	-.1	.0	4.1	4.3	4.0	-4.5
175.0	-.1	.1	1.0	.0	-.2	.1	-.3	.0	-.0	-.0	-.1	.0	3.8	4.0	3.7	-4.1
185.0	-.1	-.1	.9	.0	-.2	.1	-.3	.0	-.0	-.0	-.1	.0	3.5	3.6	3.3	-3.8
195.0	-.1	.1	.8	.0	-.2	.1	-.3	.0	-.0	-.0	-.1	.0	3.2	3.3	3.0	-3.5
205.0	-.1	.1	.7	.0	-.2	.1	-.2	.0	-.0	-.0	-.1	.0	2.9	3.0	2.7	-3.2
215.0	-.2	.1	.7	.0	-.2	.1	-.2	.0	-.0	-.0	-.1	.0	2.6	2.7	2.5	-2.9
225.0	-.2	.1	.6	.0	-.2	.1	-.2	.0	-.0	-.0	-.1	.0	2.3	2.5	2.2	-2.6
235.0	-.2	.1	.6	.0	-.1	.1	-.2	.0	-.0	-.0	-.1	.0	2.1	2.2	1.9	-2.3
245.0	-.2	.1	.5	.0	-.1	.1	-.1	.0	-.0	.0	-.1	.0	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	.0	.0	.0	.0	-.1	.0	-.0	.0	.0	.0	.4	.4	-1.5	-2.2
265.0	-1.9	-.0	.0	.0	.0	.0	-.1	.0	-.0	.0	.0	.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.8	-2.0

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA POS
285.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.0
295.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.0
305.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.0
315.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.0
325.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.0
335.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.1
345.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.1
355.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.1
365.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.1
375.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.2
385.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.2
395.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.2
405.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.2
415.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.2
425.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.3
435.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.3
445.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.3
455.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.3
465.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.4
475.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.4
485.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.5
495.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.5
505.0	-2.5	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.6
515.0	-2.6	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.6
525.0	-2.6	-.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.7
535.0	-2.7	-.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.8
545.0	-2.8	-.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-2.9
555.0	-2.9	-.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-3.0
565.0	-3.0	-.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	-3.2

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA	NEG		
285.0	-1.9	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.8	-2.0
295.0	-1.9	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.9	-2.0
305.0	-1.9	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.9	-2.0
315.0	-2.0	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.9	-2.0
325.0	-2.0	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.9	-2.0
335.0	-2.0	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-1.9	-2.1
345.0	-2.0	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.0	-2.1
355.0	-2.1	.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.0	-2.1
365.0	-2.1	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.0	-2.1
375.0	-2.1	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.0	-2.1
385.0	-2.1	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.0	-2.2
395.0	-2.1	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.1	-2.2
405.0	-2.2	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.1	-2.2
415.0	-2.2	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.1	-2.1	-2.2
425.0	-2.2	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.1	-2.1	-2.2
435.0	-2.2	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.1	-2.2	-2.3
445.0	-2.3	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.1	.0	-2.2	-2.3
455.0	-2.3	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.0	-2.2	-2.3
465.0	-2.3	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.0	-2.3	-2.3
475.0	-2.4	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.1	-2.3	-2.4
485.0	-2.4	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.0	-2.3	-2.4
495.0	-2.4	-.0	.0	.0	.0	-.0	.0	.0	-.0	.0	.0	.0	.0	.1	-2.4	-2.5
505.0	-2.5	-.0	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.4	-2.5
515.0	-2.6	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.4	-2.6
525.0	-2.6	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.5	-2.6
535.0	-2.7	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.7
545.0	-2.8	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.8
555.0	-2.9	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.7	-2.9
565.0	-3.0	-.1	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.8	-3.0
															-2.9	-3.2

ORIGINAL PAGE IS
OF POOR QUALITY

ORIGINAL PAGE IS
OF POOR QUALITY

AEROZENVTRON

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	.4	.0	.0	.0	.9	.3	-.2	.0	-.0	1.1	1.6	1.5	-1.2
51.0	.4	.0	.0	.0	.9	.4	-.2	.0	.1	1.2	1.6	1.6	-1.2
52.0	.4	.0	-.0	-.0	.9	.3	-.2	.0	.1	1.2	1.5	1.6	-1.2
53.0	.3	.0	-.0	-.0	.9	.4	-.1	.0	.0	1.2	1.5	1.5	-1.2
54.0	.2	.0	-.0	-.0	1.0	.4	-.1	.0	.0	1.2	1.6	1.5	-1.3
55.0	.2	.0	-.0	-.0	1.0	.4	-.1	.0	.0	1.2	1.6	1.5	-1.3
56.0	.2	.0	-.0	-.0	1.0	.5	-.1	.0	.0	1.2	1.6	1.5	-1.4
57.0	.3	.0	-.0	-.0	1.0	.5	-.2	.0	.0	1.3	1.6	1.5	-1.4
58.0	.3	.0	-.0	-.0	1.0	.5	-.2	.0	.0	1.3	1.7	1.5	-1.4
59.0	.3	.0	-.0	-.0	1.0	.5	-.2	.0	.0	1.3	1.7	1.6	-1.4
60.0	.3	.0	-.1	-.0	1.0	.5	-.2	.0	.0	1.3	1.7	1.6	-1.5
61.0	.3	.0	-.1	-.0	1.0	.6	-.2	.0	.0	1.3	1.8	1.6	-1.5
62.0	.3	.0	-.1	-.0	1.0	.6	-.2	.0	.0	1.3	1.8	1.6	-1.5
63.0	.3	.0	-.1	-.0	1.0	.6	-.2	.0	.0	1.3	1.8	1.6	-1.5
64.0	.3	.0	-.1	-.0	1.0	.6	-.2	-.0	.0	1.3	1.7	1.5	-1.4
65.0	.3	-.0	-.0	-.0	.9	.6	-.2	-.0	-.0	1.2	1.6	1.5	-1.3
66.0	.3	.0	-.0	-.0	.8	.5	-.2	.0	.0	1.1	1.5	1.4	-1.2
67.0	.3	.0	-.0	-.0	.8	.5	-.2	.0	-.0	1.1	1.5	1.4	-1.2
68.0	.3	-.0	-.0	-.0	.8	.5	-.2	-.0	-.0	1.0	1.4	1.4	-1.1
69.0	.4	-.0	-.0	-.0	.8	.5	-.2	-.0	.0	1.0	1.4	1.4	-1.1
70.0	.4	-.0	-.0	-.0	.8	.5	-.2	-.0	-.0	1.0	1.4	1.4	-1.1
71.0	.4	-.0	-.0	-.0	.8	.5	-.2	-.0	-.0	1.0	1.4	1.4	-1.0
72.0	.4	.0	-.0	-.0	.7	.6	-.2	.0	-.0	1.0	1.4	1.4	-1.0
73.0	.4	.0	-.0	-.0	.7	.5	-.2	.0	-.0	1.0	1.4	1.4	-1.0
74.0	.4	.0	-.0	-.0	.7	.6	-.2	.0	-.0	1.0	1.4	1.4	-1.0
75.0	.4	-.0	-.0	-.0	.6	.5	-.2	-.0	-.0	.9	1.4	1.3	-1.0
76.0	.4	.0	-.0	-.0	.7	.6	-.3	.0	-.0	1.0	1.4	1.4	-1.0
77.0	.4	.0	-.0	-.0	.6	.6	-.2	.0	.0	.9	1.3	1.3	-.9
78.0	.4	.0	-.0	-.0	.6	.6	-.3	.0	.0	1.0	1.4	1.4	-1.0
79.0	.4	-.0	-.0	-.0	.5	.6	-.2	-.0	.0	1.0	1.3	1.4	-.9
80.0	.4	-.0	-.0	-.0	.6	.7	-.3	-.0	-.0	1.1	1.4	1.5	-1.0
81.0	.5	-.0	-.0	-.0	.4	.6	-.3	-.0	.0	1.1	1.4	1.6	-.9
82.0	.5	-.0	-.0	-.0	.5	.7	-.3	-.0	.0	1.2	1.4	1.7	-1.0
83.0	.6	-.0	-.0	-.0	.4	.7	-.3	-.0	.0	1.2	1.5	1.8	-.9
84.0	.6	-.0	-.1	-.0	.4	.8	-.3	-.0	.0	1.3	1.5	1.9	-1.0
85.0	.6	-.0	-.1	-.0	.3	.8	-.3	-.0	.0	1.4	1.6	2.0	-1.0
86.0	.7	-.0	-.1	-.0	.3	.8	-.3	-.0	.0	1.5	1.7	2.2	-1.0
87.0	.7	-.0	-.1	-.0	.2	.8	-.4	-.0	.0	1.6	1.8	2.3	-1.1
88.0	.7	.0	-.1	-.0	.2	.9	-.4	-.0	.0	1.8	1.9	2.4	-1.2
89.0	.6	.0	-.1	-.0	.2	.9	-.4	.0	.0	1.8	1.9	2.4	-1.3
90.0	.6	.0	-.1	-.0	.2	.9	-.4	.0	.0	1.8	1.9	2.4	-1.3
91.0	.6	.0	-.1	-.0	.2	.9	-.3	.0	.0	1.8	1.9	2.4	-1.4
92.0	.5	.0	-.1	-.1	.2	1.0	-.3	.0	.0	1.8	1.9	2.4	-1.4
93.0	.5	-.0	-.1	-.0	.3	1.0	-.3	-.0	.0	1.9	1.9	2.4	-1.4
94.0	.6	-.0	-.0	.0	.3	1.0	-.3	-.0	.0	1.9	1.9	2.4	-1.4
95.0	.6	-.0	-.0	.0	.3	1.0	-.3	-.0	.0	1.9	1.9	2.5	-1.3
96.0	.6	-.0	-.0	.0	.3	1.1	-.3	-.0	.0	1.9	2.0	2.5	-1.3
97.0	.7	-.0	-.0	.0	.3	1.1	-.3	-.0	-.0	1.9	2.0	2.5	-1.3
98.0	.6	-.0	.0	.1	.3	1.1	-.3	-.0	-.0	1.9	2.0	2.6	-1.3
99.0	.7	-.0	-.0	.0	.4	1.1	-.3	-.0	.0	1.9	2.0	2.6	-1.3

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.6	-.0	-.0	.0	.4	1.1	-.3	-.0	.0	1.9	2.0	2.6	-1.3
101.0	.6	-.0	-.0	.0	.4	1.2	-.3	-.0	.0	2.0	2.0	2.6	-1.3
102.0	.6	.0	-.0	.0	.4	1.2	-.3	-.0	.0	2.0	2.0	2.6	-1.4
103.0	.6	.0	-.0	-.0	.4	1.2	-.3	.0	.0	2.0	2.0	2.6	-1.4
104.0	.5	.0	-.0	-.0	.4	1.2	-.3	.0	.0	2.0	2.0	2.6	-1.4
105.0	.5	-.0	-.1	-.1	.4	1.2	-.3	-.0	.0	2.0	2.0	2.5	-1.5
106.0	.6	-.0	-.1	-.1	.4	1.2	-.3	-.0	.0	2.0	2.0	2.6	-1.4
107.0	.6	-.0	-.1	-.1	.4	1.3	-.3	-.0	.0	2.0	2.0	2.6	-1.4
108.0	.6	.0	-.1	-.1	.4	1.3	-.3	.0	.0	1.9	2.0	2.6	-1.4
109.0	.6	.0	-.1	-.1	.5	1.3	-.3	.0	.0	1.9	1.9	2.4	-1.3
110.0	.6	.0	-.1	-.1	.5	1.3	-.2	.0	.0	1.7	1.9	2.3	-1.3
111.0	.5	.0	-.1	-.1	.6	1.3	-.2	.0	.0	1.6	1.9	2.1	-1.4
112.0	.5	.0	-.1	-.1	.6	1.3	-.2	.0	.0	1.6	2.1	2.1	-1.5
113.0	.5	-.0	-.1	-.1	.7	1.3	-.2	-.0	.0	1.8	2.4	2.3	-1.9
114.0	.5	-.0	-.1	-.1	.7	1.3	-.2	-.0	.0	2.9	3.5	3.5	-2.9
115.0	.5	-.0	-.0	-.0	.7	1.2	-.2	-.0	.0	3.9	4.4	4.4	-3.8
116.0	.5	.0	-.0	-.0	.7	1.2	-.2	-.0	.0	4.4	4.9	4.9	-4.4
117.0	.5	.0	-.0	.0	.7	1.1	-.2	.0	-.0	4.7	5.2	5.2	-4.7
118.0	.5	-.0	.0	.1	.7	1.1	-.3	-.0	-.0	4.7	5.1	5.2	-4.6
119.0	.5	-.1	.0	.1	.7	1.1	-.3	-.1	-.0	4.4	4.7	4.9	-4.2
120.0	.5	-.1	.0	.2	.6	1.0	-.3	-.1	-.0	4.1	4.4	4.6	-3.8
121.0	.6	-.1	.0	.1	.6	1.0	-.4	-.1	-.0	3.8	4.0	4.4	-3.4
122.0	.6	-.1	.0	.1	.6	.9	-.4	-.1	-.0	3.5	3.5	4.1	-2.9
123.0	.6	-.1	.0	.1	.5	.8	-.4	-.1	-.0	3.0	2.9	3.6	-2.3
124.0	.6	-.1	.1	.2	.5	.7	-.5	-.1	-.0	2.3	2.1	2.9	-1.5
125.0	.6	-.1	.0	.2	.4	.7	-.5	-.1	-.0	1.6	1.3	2.2	-.7
126.0	.6	-.1	.0	.1	.4	.7	-.6	-.1	.0	1.8	1.6	2.4	-1.0
127.0	.7	-.1	.0	.1	.4	.7	-.5	-.1	-.0	2.0	1.8	2.7	-1.1
128.0	.7	-.1	.0	.1	.3	.7	-.5	-.1	-.0	2.2	2.1	2.9	-1.4
129.0	.7	-.1	-.0	.1	.3	.7	-.5	-.1	-.0	2.2	2.1	2.9	-1.4
130.0	.7	-.1	-.0	.1	.3	.7	-.7	-.1	.1	2.5	2.2	3.2	-1.5
131.0	.7	-.1	-.0	.1	.3	.7	-.7	-.1	.1	2.5	2.2	3.2	-1.5
132.0	.7	-.1	-.0	.1	.3	.7	-.7	-.1	.1	2.5	2.2	3.2	-1.5
133.0	.1	-.0	-.1	-.2	.7	2.7	-.7	-.0	.1	5.2	4.2	5.2	-4.1
134.0	.1	-.0	-.2	-.2	.7	2.7	-.7	-.0	.1	5.1	5.3	5.2	-5.2
135.0	.1	-.0	-.2	-.2	.7	2.7	-.7	-.0	.1	5.1	5.3	5.2	-5.2
145.0	-.1	-.0	-.1	-.1	.7	2.5	-.6	-.0	.1	4.8	5.0	4.7	-5.1
155.0	-.2	-.0	-.1	-.1	.7	2.3	-.6	-.0	.1	4.5	4.7	4.2	-4.9
165.0	-.2	-.0	-.1	-.1	.6	2.2	-.5	-.0	.1	4.1	4.3	4.0	-4.5
175.0	-.1	-.0	-.1	-.0	.6	2.0	-.5	-.0	.1	3.8	4.0	3.7	-4.1
185.0	-.1	-.0	-.1	-.0	.5	1.8	-.5	-.0	.0	3.5	3.6	3.3	-3.8
195.0	-.1	-.0	-.1	.0	.5	1.7	-.4	-.0	.0	3.2	3.3	3.0	-3.5
205.0	-.1	-.0	-.0	-.0	.4	1.5	-.4	-.0	.0	2.9	3.0	2.7	-3.2
215.0	-.2	-.0	-.0	.0	.4	1.4	-.3	.0	.0	2.6	2.7	2.5	-2.9
225.0	-.2	-.0	-.0	.0	.3	1.2	-.3	.0	.0	2.3	2.5	2.2	-2.6
235.0	-.2	.0	-.0	.0	.3	1.1	-.3	.0	.0	2.1	2.2	1.9	-2.3
245.0	-.2	.0	-.0	.0	.3	1.0	-.2	.0	.0	1.8	1.9	1.7	-2.1
255.0	1.8	.0	.0	.0	-.0	-.0	-.2	.0	.0	.4	.4	-1.5	-2.2
265.0	-1.9	.0	.0	.0	-.0	-.0	-.2	.0	.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	-.0	-.0	.0	.0	-.0	.1	.1	-1.8	-2.0

AERO/ENVTRON

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.6	.0	-.0	-.1	-.4	-1.2	.3	-.0	.0	1.9	2.0	2.6	-1.3
101.0	.6	.0	-.0	-.0	-.4	-1.2	.3	-.0	-.0	2.0	2.0	2.6	-1.3
102.0	.6	-.0	.0	-.0	-.4	-1.2	.3	-.0	-.0	2.0	2.0	2.6	-1.4
103.0	.6	-.0	.0	-.0	-.4	-1.2	.3	-.0	-.0	2.0	2.0	2.6	-1.4
104.0	.5	-.0	.0	.1	-.4	-1.3	.3	-.0	.0	2.0	2.0	2.6	-1.4
105.0	.5	.0	.1	.1	-.4	-1.3	.3	.0	.0	2.0	2.0	2.5	-1.5
106.0	.6	.0	.1	.1	-.4	-1.3	.3	.0	.0	2.0	2.0	2.6	-1.4
107.0	.6	.0	.1	.1	-.5	-1.3	.3	.0	.0	2.0	2.0	2.6	-1.4
108.0	.6	.0	.0	.0	-.5	-1.3	.3	-.0	.0	1.9	2.0	2.6	-1.4
109.0	.6	-.0	.0	.0	-.5	-1.3	.3	-.0	.0	1.9	1.9	2.4	-1.3
110.0	.6	-.0	.0	.0	-.5	-1.3	.2	-.0	.0	1.7	1.9	2.3	-1.3
111.0	.5	.0	.0	.0	-.6	-1.3	.2	-.0	.0	1.6	1.9	2.1	-1.4
112.0	.5	.0	.0	.0	-.6	-1.3	.2	-.0	.0	1.6	2.1	2.1	-1.5
113.0	.5	.0	.0	.0	-.7	-1.3	.2	.0	.0	1.8	2.4	2.3	-1.9
114.0	.5	.0	.0	.0	-.7	-1.3	.2	.0	.0	2.9	3.5	3.5	-2.9
115.0	.5	.0	.0	.0	-.7	-1.3	.2	.0	.0	3.9	4.4	4.4	-3.8
116.0	.5	.0	.0	-.0	-.7	-1.2	.2	.0	.1	4.4	4.9	4.9	-4.4
117.0	.5	.0	-.0	-.1	-.7	-1.2	.2	.0	.1	4.7	5.2	5.2	-4.7
118.0	.5	.0	-.0	-.1	-.7	-1.1	.3	.0	.1	4.7	5.1	5.2	-4.6
119.0	.5	.1	-.1	-.1	-.7	-1.1	.3	.1	.1	4.6	4.7	4.9	-4.2
120.0	.5	.1	-.1	-.1	-.6	-1.1	.3	.1	.1	4.1	4.4	4.6	-3.8
121.0	.6	.1	-.1	-.2	-.6	-1.0	.4	.1	.1	3.8	4.0	4.4	-3.4
122.0	.6	.1	-.1	-.2	-.6	-1.0	.4	.1	.1	3.5	3.5	4.1	-2.9
123.0	.6	.0	-.1	-.2	-.5	-.8	.4	.0	.1	3.0	2.9	3.6	-2.3
124.0	.6	.0	-.1	-.2	-.5	-.8	.5	.0	.1	2.3	2.1	2.9	-1.5
125.0	.6	.0	-.1	-.1	-.4	-.7	.5	.0	.1	1.6	1.3	2.2	-.7
126.0	.6	.1	-.0	-.1	-.4	-.8	.5	.0	.3	1.8	1.6	2.4	-1.0
127.0	.7	.1	-.0	-.1	-.4	-.8	.5	.0	.1	2.0	1.8	2.7	-1.1
128.0	.7	.1	-.0	-.1	-.3	-.8	.5	.1	.1	2.2	2.1	2.9	-1.4
129.0	.7	.1	-.0	-.1	-.3	-.7	.5	.1	.1	2.2	2.1	2.9	-1.4
130.0	.7	.1	-.0	-.1	-.3	-.7	.7	.1	-.2	2.5	2.2	3.2	-1.5
131.0	.7	.1	-.0	-.1	-.3	-.7	.7	.1	-.2	2.5	2.2	3.2	-1.5
132.0	.7	.1	-.0	-.1	-.3	-.7	.7	.0	-.2	2.5	2.2	3.2	-1.5
133.0	.1	.0	-.3	-.3	-.8	-2.8	.7	-.0	-.2	5.2	4.2	5.2	-4.1
134.0	.1	-.0	-.3	-.3	-.8	-2.8	.7	-.1	-.2	5.1	5.3	5.2	-5.2
135.0	.1	-.0	.0	.0	-.8	-2.8	.7	-.1	-.2	5.1	5.3	5.2	-5.2
145.0	-.1	-.0	-.1	-.1	-.7	-2.6	.6	-.1	-.1	4.8	5.0	4.7	-5.1
155.0	-.2	-.0	.0	.0	-.7	-2.4	.6	-.1	-.1	4.5	4.7	4.7	-4.9
165.0	-.2	.0	.0	.0	-.6	-2.3	.5	-.1	-.1	4.1	4.3	4.0	-4.5
175.0	-.1	-.0	.0	-.0	-.6	-2.1	.5	-.1	-.1	3.8	4.0	3.7	-4.1
185.0	-.1	-.0	.0	-.0	-.5	-1.9	.5	-.0	-.1	3.5	3.6	3.3	-3.8
195.0	-.1	-.0	.0	-.0	-.5	-1.7	.4	-.0	-.1	3.2	3.3	3.0	-3.5
205.0	-.1	-.0	-.0	-.0	-.4	-1.6	.4	-.0	-.1	2.9	3.0	2.7	-3.2
215.0	-.2	-.0	.0	-.0	-.4	-1.4	.3	-.0	-.1	2.6	2.7	2.5	-2.9
225.0	-.2	-.0	.0	-.0	-.4	-1.3	.3	-.0	-.1	2.3	2.5	2.2	-2.6
235.0	-.2	-.0	.0	-.0	-.3	-1.1	.3	-.0	-.1	2.1	2.2	1.9	-2.3
245.0	-.2	-.0	.0	-.0	-.3	-1.0	.2	-.0	-.1	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	.0	.0	.0	.0	.2	.0	-.0	.4	.4	-1.5	-2.2
265.0	-1.9	.0	.0	.0	.0	.0	.2	.0	-.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0

ORIGINAL PAGE IS
OF POOR QUALITY

AERO/ENVIRON

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0
295.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
305.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
315.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
325.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.1
335.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
345.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
355.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
365.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
375.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.2
385.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
395.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
405.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
415.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.1	-2.2
425.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.2	-2.3
435.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.2	-2.3
445.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.2	-2.3
455.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.3	-2.3
465.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.3	-2.4
475.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.3	-2.4
485.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.4	-2.5
495.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.4	-2.5
505.0	-2.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.4	-2.6
515.0	-2.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.5	-2.6
525.0	-2.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.7
535.0	-2.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.8
545.0	-2.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.7	-2.9
555.0	-2.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.8	-3.0
565.0	-3.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.9	-3.2

MASS PROP

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	13.3	.1	-.1	.0	.0	.0	-.3	.0	.0	.0	2.4	2.5	-10.8	-15.8
2.0	-5.5	.0	-.0	.0	.0	.0	-2.1	.0	.0	.0	.8	2.3	-4.8	-7.8
3.0	-3.4	.0	-.0	.0	.0	.0	-3.8	.0	.0	.0	.7	4.1	-2.7	-7.4
4.0	-2.4	.0	.0	.0	.0	.0	-4.7	.0	.0	.0	.8	5.1	-1.6	-7.5
5.0	-1.9	.0	.0	.0	.0	.0	-5.0	.0	.0	.0	1.0	5.6	-.9	-7.5
6.0	-1.6	.0	.0	.0	.0	.0	-5.0	.0	.0	.0	1.1	5.7	-.6	-7.3
7.0	-1.6	.0	.0	.0	.0	.0	-4.9	-.0	.0	.0	1.2	5.5	-.4	-7.1
8.0	-1.5	-.0	.0	.0	.0	.0	-4.7	-.0	.0	.0	1.2	5.2	-.4	-6.8
9.0	-1.7	-.0	.0	.0	.0	.0	-4.5	-.0	.0	.0	1.0	5.0	-.7	-6.6
10.0	-1.7	.0	.0	.0	.0	.0	-3.9	-.1	.0	.0	1.1	4.4	-.6	-6.0
11.0	-.8	.0	.0	.0	.0	.0	-3.3	-.1	.0	.0	1.5	3.7	.7	-5.5
12.0	.3	.0	.0	.0	.0	.0	-2.6	-.1	.0	.0	1.8	3.1	2.1	-2.8
13.0	1.1	.0	.0	.0	.0	.0	-1.8	-.1	.0	.0	2.0	2.6	3.1	-1.5
14.0	1.6	.0	.0	.0	.0	.0	-1.1	-.1	.0	.0	2.0	2.2	3.6	-.7
15.0	1.7	-.0	.0	.0	.0	.0	-.6	-.1	.0	.0	1.9	2.0	3.6	-.3
16.0	1.4	-.0	.0	.0	.0	.0	-.4	-.1	.0	.0	1.8	1.9	3.1	-.5
17.0	1.0	-.0	.0	.0	.0	.0	-.5	-.1	.0	.0	1.6	1.8	2.6	-.8
18.0	.9	-.0	.0	.0	.0	.0	-.7	-.1	.0	.0	1.5	1.7	2.4	-.8
19.0	1.0	-.0	.0	.0	.0	.0	-.8	-.0	.0	.0	1.4	1.6	2.4	-.6
20.0	1.3	.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.2	1.5	2.5	-.3
21.0	1.4	.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.1	1.5	2.5	-.1
22.0	1.4	-.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.0	1.5	2.4	-.1
23.0	1.3	-.0	.0	.0	.0	.0	-1.0	-.0	.0	.0	1.0	1.4	2.3	-.1
24.0	1.3	-.0	.0	.0	.0	.0	-1.0	-.0	.0	.0	.9	1.4	2.2	-.1
25.0	1.2	.0	.0	.0	.0	.0	-1.0	-.0	.0	.0	.8	1.3	2.1	-.1
26.0	1.3	.0	.0	.0	.0	.0	-1.0	-.0	.0	.0	.8	1.3	2.0	-.1
27.0	1.2	-.0	.0	.0	.0	.0	-1.0	-.0	.0	.0	.7	1.3	2.0	-.1
28.0	1.2	.0	.0	.0	.0	.0	-1.1	-.0	.0	.0	.8	1.4	1.9	-.2
29.0	1.0	-.0	.0	.0	.0	.0	-1.2	-.0	.0	.0	.8	1.4	1.8	-.4
30.0	1.0	-.0	.0	.0	.0	.0	-1.2	-.0	.0	.0	.8	1.5	1.8	-.5
31.0	.9	-.0	.0	.0	.0	.0	-1.3	-.0	.0	.0	.8	1.5	1.8	-.6
32.0	.8	-.0	.0	.0	.0	.0	-1.3	-.0	.0	.0	.9	1.6	1.7	-.7
33.0	.8	-.0	.0	.0	.0	.0	-1.4	-.0	.0	.0	.9	1.6	1.7	-.9
34.0	.7	-.0	.0	.0	.0	.0	-1.4	-.0	.0	.0	1.0	1.7	1.7	-1.0
35.0	.6	-.0	.0	.0	.0	.0	-1.4	.0	.0	.0	1.1	1.7	1.7	-1.1
36.0	.6	.0	.0	.0	.0	.0	-1.4	.0	.0	.0	1.2	1.8	1.7	-1.3
37.0	.4	-.0	.0	.0	.0	.0	-1.4	.0	.0	.0	1.2	1.8	1.6	-1.4
38.0	.4	-.0	.0	.0	.0	.0	-1.4	.0	.0	.0	1.3	1.8	1.6	-1.5
39.0	.3	.0	.0	.0	.0	.0	-1.3	.0	.0	.0	1.3	1.8	1.6	-1.5
40.0	.2	.0	.0	.0	.0	.0	-1.3	.0	.0	.0	1.4	1.9	1.6	-1.6
41.0	.2	.0	.0	.0	.0	.0	-1.3	.0	.0	.0	1.4	1.9	1.6	-1.6
42.0	.2	.0	.0	.0	.0	.0	-1.3	.0	.0	.0	1.4	1.8	1.6	-1.6
43.0	.2	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.3	1.7	1.5	-1.5
44.0	.2	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.2	1.7	1.5	-1.4
45.0	.2	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.2	1.6	1.4	-1.4
46.0	.2	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.6	1.4	-1.3
47.0	.2	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.5	1.4	-1.3
48.0	.2	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.6	1.5	-1.2
49.0	.2	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.6	1.5	-1.2

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	BETA POS			
50.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.6	1.5	-1.2
51.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	1.6	-1.2
52.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	1.6	-1.2
53.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	1.5	-1.2
54.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
55.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
56.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.4
57.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.6	1.5	-1.4
58.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	1.5	-1.4
59.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	1.6	-1.4
60.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	1.6	-1.5
61.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.8	1.6	-1.5
62.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.8	1.6	-1.5
63.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.8	1.6	-1.5
64.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	1.5	-1.4
65.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
66.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	1.4	-1.2
67.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	1.4	-1.2
68.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.1
69.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.1
70.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.1
71.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
72.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
73.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
74.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
75.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.4	1.3	-1.0
76.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
77.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.3	1.3	-.9
78.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
79.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	1.4	-.9
80.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.5	-1.0
81.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.6	-.9
82.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	1.7	-1.0
83.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	1.8	-.9
84.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	1.9	-1.0
85.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.6	2.0	-1.0
86.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.7	2.2	-1.0
87.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	2.3	-1.1
88.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	2.4	-1.2
89.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	2.4	-1.3
90.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	2.4	-1.3
91.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	2.4	-1.4
92.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	2.4	-1.4
93.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	2.4	-1.4
94.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	2.4	-1.4
95.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	2.5	-1.3
96.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.5	-1.3
97.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.5	-1.3
98.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.6	-1.3
99.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	2.6	-1.3

MASS PROP

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	.4	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.6	1.5	-1.2
51.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.6	1.6	-1.2
52.0	.4	-.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.5	1.6	-1.2
53.0	.3	-.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.5	1.5	-1.2
54.0	.2	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.6	1.5	-1.3
55.0	.2	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.6	1.5	-1.3
56.0	.2	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.2	1.6	1.5	-1.4
57.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.3	1.6	1.5	-1.4
58.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.3	1.7	1.5	-1.4
59.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.3	1.7	1.6	-1.4
60.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.3	1.7	1.6	-1.5
61.0	.3	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.3	1.8	1.6	-1.5
62.0	.3	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.3	1.8	1.6	-1.5
63.0	.3	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.3	1.8	1.6	-1.5
64.0	.3	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.3	1.7	1.5	-1.4
65.0	.3	.0	.0	.0	.0	.0	-1.2	.0	.0	.0	1.2	1.6	1.5	-1.3
66.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.5	1.4	-1.2
67.0	.3	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.1	1.5	1.4	-1.2
68.0	.3	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.1
69.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.1
70.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.1
71.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.0
72.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.0
73.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.0
74.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.0
75.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.9	1.4	1.3	-1.0
76.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	1.0	1.4	1.4	-1.0
77.0	.4	.0	.0	.0	.0	.0	-1.0	.0	.0	.0	.9	1.3	1.3	-.9
78.0	.4	.0	.0	.0	.0	.0	-.9	.0	.0	.0	1.0	1.4	1.4	-1.0
79.0	.4	.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.0	1.3	1.4	-.9
80.0	.4	.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.1	1.4	1.5	-1.0
81.0	.5	.0	.0	.0	.0	.0	-.9	-.0	.0	.0	1.1	1.4	1.6	-.9
82.0	.5	.0	.0	.0	.0	.0	-.8	-.0	.0	.0	1.2	1.4	1.7	-1.0
83.0	.6	.0	.0	.0	.0	.0	-.8	-.0	.0	.0	1.2	1.5	1.8	-.9
84.0	.6	.0	.0	.0	.0	.0	-.8	-.0	.0	.0	1.3	1.5	1.9	-1.0
85.0	.6	.0	.0	.0	.0	.0	-.7	-.0	.0	.0	1.4	1.6	2.0	-1.0
86.0	.7	.0	-.0	.0	.0	.0	-.6	-.0	.0	.0	1.5	1.7	2.2	-1.0
87.0	.7	.0	-.0	.0	.0	.0	-.6	-.0	.0	.0	1.6	1.8	2.3	-1.1
88.0	.7	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.6	1.9	2.4	-1.2
89.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.8	1.9	2.4	-1.3
90.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.8	1.9	2.4	-1.3
91.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.8	1.9	2.4	-1.4
92.0	.5	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.8	1.9	2.4	-1.4
93.0	.5	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	1.9	2.4	-1.4
94.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	1.9	2.4	-1.4
95.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	1.9	1.9	2.5	-1.3
96.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	1.9	2.0	2.5	-1.3
97.0	.7	.0	-.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	2.0	2.5	-1.3
98.0	.7	.0	-.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	2.0	2.6	-1.3
99.0	.7	.0	-.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	2.0	2.6	-1.3

ORIGINAL [illegible] OF POOR [illegible]

MASS PROP

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	.6	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.9	2.0	2.6	-1.3
101.0	.6	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.3
102.0	.6	-.0	-.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.4
103.0	.6	.0	-.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.4
104.0	.5	.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.4
105.0	.5	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.5	-1.5
106.0	.6	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.4
107.0	.6	-.0	.0	.0	.0	.0	-.0	.0	.0	.0	2.0	2.0	2.6	-1.4
108.0	.6	.0	.0	.0	.0	.0	-.0	.0	.0	.0	1.9	2.0	2.6	-1.4
109.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	2.4	-1.3
110.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	2.3	-1.3
111.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.9	2.1	-1.4
112.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.6	2.1	2.1	-1.5
113.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	1.8	2.4	2.3	-1.9
114.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	2.9	3.5	3.5	-2.9
115.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	3.9	4.4	4.4	-3.8
116.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	4.4	4.9	4.9	-4.4
117.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	4.7	5.2	5.2	-4.7
118.0	.5	-.0	.0	.0	.0	.0	.1	.0	.0	.0	4.7	5.1	5.2	-4.6
119.0	.5	-.1	.0	.0	.0	.0	.1	.0	.0	.0	4.4	4.7	4.9	-4.2
120.0	.5	-.1	.0	.0	.0	.0	.1	.0	.0	.0	4.1	4.4	4.6	-3.8
121.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	3.8	4.0	4.4	-3.4
122.0	.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.5	4.1	-2.9
123.0	.6	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.0	2.9	3.6	-2.3
124.0	.6	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.3	2.1	2.9	-1.5
125.0	.6	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	1.6	1.3	2.2	-.7
126.[illegible]	.6	-.1	.2	.0	.0	-.0	-.0	.1	.0	.0	1.8	1.6	2.4	-1.0
127.0	.7	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.0	1.8	2.7	-1.1
128.0	.7	-.1	.1	.0	.0	.0	-.1	.0	.0	.0	2.2	2.1	2.9	-1.4
129.0	.7	-.1	.1	.0	.0	.0	-.1	.0	.0	.0	2.2	2.1	2.9	-1.4
130.0	.7	-.1	-.1	.0	.0	.0	-.1	.0	.0	.0	2.5	2.2	3.2	-1.5
131.0	.7	-.1	-.1	.0	.0	.0	-.1	.0	.0	.0	2.5	2.2	3.2	-1.5
132.0	.7	-.1	-.1	.0	.0	.0	-.1	.0	.0	.0	2.5	2.2	3.2	-1.5
133.0	.1	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	5.2	4.2	5.2	-4.1
134.0	.1	-.0	-.1	.0	.0	.0	.0	.0	.0	.0	5.1	5.3	5.2	-5.2
135.0	.1	-.0	-.1	.0	.0	.0	.0	.0	.0	.0	5.1	5.3	5.2	-5.2
145.0	-.1	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	4.8	5.0	4.7	-5.1
155.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.7	4.2	-4.9
165.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.3	4.0	-4.5
175.0	-.1	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.0	3.7	-4.1
185.0	-.1	.0	-.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.6	3.3	-3.8
195.0	.1	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.3	3.0	-3.5
205.0	-.1	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.0	2.7	-3.2
215.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	2.6	2.7	2.5	-2.9
225.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.5	2.2	-2.6
235.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.2	1.9	-2.3
245.0	-.2	-.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	1.7	-2.1
255.0	1.8	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	-1.5	-2.2
265.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0

		MASS PROP										BETA NEG			
TIME	NOM WAS	1	2	3	4	5	6	7	8	9					
100.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	1.9	2.0	2.6	-1.3	
101.0	.6	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	2.0	2.0	2.6	-1.3	
102.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.6	-1.4	
103.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.6	-1.4	
104.0	.5	-.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.6	-1.4	
105.0	.5	.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.5	-1.5	
106.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.6	-1.4	
107.0	.6	.0	.0	.0	.0	.0	-.5	.0	.0	.0	2.0	2.0	2.6	-1.4	
108.0	.6	.0	.0	.0	-.0	.0	-.6	.0	.0	.0	1.9	2.0	2.6	-1.4	
109.0	.6	.0	.0	.0	.0	.0	-.7	.0	.0	.0	1.9	1.9	2.4	-1.3	
110.0	.6	.0	.0	.0	.0	.0	-.9	.0	.0	.0	1.7	1.9	2.3	-1.3	
111.0	.5	.0	.0	.0	.0	.0	-1.1	.0	.0	.0	1.6	1.9	2.1	-1.4	
112.0	.5	.0	.0	.0	.0	.0	-1.4	.0	.0	.0	1.6	2.1	2.1	-1.5	
113.0	.5	.0	.0	.0	.0	.0	-1.7	.0	.0	.0	1.8	2.4	2.3	-1.9	
114.0	.5	.0	.0	.0	.0	.0	-1.9	.0	.0	.0	2.9	3.5	3.5	-2.9	
115.0	.5	.0	.0	.0	.0	.0	-2.1	.0	.0	.0	3.9	4.4	4.4	-3.8	
116.0	.5	.0	-.0	.0	.0	.0	-2.2	.0	.0	.0	4.4	4.9	4.9	-4.4	
117.0	.5	.0	-.0	.0	.0	.0	-2.1	.0	.0	.0	4.7	5.2	5.2	-4.7	
118.0	.5	.0	-.0	.0	.0	.0	-2.0	.0	.0	.0	4.7	5.1	5.2	-4.6	
119.0	.5	.0	-.0	.0	.0	.0	-1.8	.0	.0	.0	4.4	4.7	4.9	-4.2	
120.0	.5	.1	-.0	.0	.0	.0	-1.6	.0	.0	.0	4.1	4.4	4.6	-3.8	
121.0	.6	.1	-.0	.0	.0	.0	-1.4	.0	.0	.0	3.8	4.0	4.4	-3.4	
122.0	.6	.1	-.0	.0	.0	.0	-1.0	.0	.0	.0	3.5	3.5	4.1	-2.9	
123.0	.6	.0	-.0	.0	.0	.0	-.4	.0	.0	.0	3.0	2.9	3.6	-2.3	
124.0	.6	.0	-.1	.0	.0	.0	.1	.0	.0	.0	2.3	2.1	2.9	-1.5	
125.0	.6	.0	-.1	.0	.0	.0	.4	.0	.0	.0	1.6	1.3	2.2	-.7	
126.0	.6	.0	-.2	.0	.0	.0	.4	-.1	.0	.0	1.8	1.6	2.4	-1.0	
127.0	.7	.0	-.1	.0	.0	.0	.6	.0	.0	.0	2.0	1.8	2.7	-1.1	
128.0	.7	.1	-.1	.0	.0	.0	.8	.0	.0	.0	2.2	2.1	2.9	-1.4	
129.0	.7	.1	-.1	.0	.0	.0	.8	.0	.0	.0	2.2	2.1	2.9	-1.4	
130.0	.7	.1	.0	.0	.0	.0	.8	-.0	.0	.0	2.5	2.2	3.2	-1.5	
131.0	.7	.1	.0	.0	.0	.0	.8	-.0	.0	.0	2.5	2.2	3.2	-1.5	
132.0	.7	.1	.0	.0	.0	.0	.8	-.0	.0	.0	2.5	2.2	3.2	-1.5	
133.0	.7	-.1	.0	.0	.0	.0	-.6	-.0	.0	.0	5.2	4.2	5.2	-4.1	
134.0	.8	-.3	.0	.0	.0	.0	-.6	-.0	.0	.0	5.1	5.3	5.2	-5.2	
135.0	.8	.0	.0	.0	.0	.0	-.6	-.0	.0	.0	5.1	5.3	5.2	-5.2	
145.0	-.1	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	4.8	5.0	4.7	-5.1	
155.0	-.2	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	4.5	4.7	4.2	-4.9	
165.0	-.2	.0	.0	.0	.0	.0	-.5	-.0	.0	.0	4.1	4.3	4.0	-4.5	
175.0	-.1	.0	.0	.0	.0	.0	-.4	-.0	.0	.0	3.8	4.0	3.7	-4.1	
185.0	-.1	.0	.0	.0	.0	.0	-.4	-.0	.0	.0	3.5	3.6	3.3	-3.8	
195.0	-.1	.0	.0	.0	.0	.0	-.4	.0	.0	.0	3.2	3.3	3.0	-3.5	
205.0	-.1	.0	.0	.0	.0	.0	-.3	.0	.0	.0	2.9	3.0	2.7	-3.2	
215.0	-.2	.0	.0	.0	.0	.0	-.3	.0	.0	.0	2.6	2.7	2.5	-2.9	
225.0	-.2	.0	.0	.0	.0	.0	-.3	.0	.0	.0	2.3	2.5	2.2	-2.6	
235.0	-.2	.0	.0	.0	.0	.0	-.2	.0	.0	.0	2.1	2.2	1.9	-2.3	
245.0	-.2	.0	.0	.0	.0	.0	-.2	.0	.0	.0	1.8	1.9	1.7	-2.1	
255.0	-1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	-1.5	-2.2	
265.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	-1.5	-2.2	
275.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0	

MASS PROP

BETA NEG

TIME	NOR VAL	1	2	3	4	5	6	7	8	9				
285.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0
295.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
305.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
315.0	-2.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
325.0	-2.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.1
335.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
345.0	-2.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
355.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
365.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
375.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.2
385.0	-2.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.1	2.2
395.0	-2.1	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.1	-2.2
405.0	-2.2	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.1	-2.2
415.0	-2.2	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	-2.1	-2.2
425.0	-2.2	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	-2.2	-2.3
435.0	-2.2	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	-2.2	-2.3
445.0	-2.3	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	-2.2	-2.3
455.0	-2.3	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	-2.3	-2.3
465.0	-2.3	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	-2.3	-2.4
475.0	-2.4	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	-2.3	-2.4
485.0	-2.4	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	-2.4	-2.5
495.0	-2.4	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.1	-2.4	-2.5
505.0	-2.5	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.4	-2.6
515.0	-2.6	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.5	-2.6
525.0	-2.6	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.6	-2.7
535.0	-2.7	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.6	-2.8
545.0	-2.8	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.7	-2.9
555.0	-2.9	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.8	-3.0
565.0	-3.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-2.9	-3.2

ORIGINAL PAGE IS
OF POOR QUALITY

GN/C

RETA FOS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.6	.0	-1.4	.1	.0	.1	-.0	-.1	.0	1.9	2.0	2.6	-1.3
101.0	.6	.1	-1.3	.1	.0	.1	-.0	-.1	.0	2.0	2.0	2.6	-1.3
102.0	.6	.0	-1.3	.1	.0	.1	-.0	-.1	.0	2.0	2.0	2.6	-1.4
103.0	.6	.0	-1.3	.1	.0	.1	-.0	-.1	.0	2.0	2.0	2.6	-1.4
104.0	.5	.0	-1.3	.1	.0	.1	-.0	-.1	.0	2.0	2.0	2.6	-1.4
105.0	.5	-.0	-1.3	.1	.0	.2	-.0	-.1	.0	2.0	2.0	2.5	-1.5
106.0	.6	-.1	-1.3	.1	.0	.2	-.0	-.1	.0	2.0	2.0	2.6	-1.4
107.0	.6	-.1	-1.3	.1	.0	.1	-.0	-.1	.0	2.0	2.0	2.6	-1.4
108.0	.6	-.1	-1.2	.1	.0	.1	-.0	-.1	.0	1.9	2.0	2.6	-1.4
109.0	.6	-.1	-1.1	.1	.0	.1	-.0	-.1	.0	1.9	1.9	2.4	-1.3
110.0	.6	-.0	-.8	.1	.0	.1	-.0	-.1	.0	1.7	1.9	2.3	-1.3
111.0	.5	-.0	-.5	.1	.0	.1	-.0	-.1	.0	1.6	1.9	2.1	-1.4
112.0	.5	-.0	-.2	.1	.0	.1	-.0	-.1	.0	1.6	2.1	2.1	-1.5
113.0	.5	-.0	.1	.1	.0	.1	-.0	-.1	.0	1.8	2.4	2.3	-1.9
114.0	.5	-.0	.4	.1	.1	.1	-.0	-.1	.0	2.9	3.5	3.5	-2.9
115.0	.5	-.0	.6	.1	.1	.1	-.0	-.0	.0	3.9	4.4	4.4	-3.8
116.0	.5	-.0	.8	.1	.1	.1	-.0	-.0	.0	4.4	4.9	4.9	-4.4
117.0	.5	.0	.9	.1	.1	.0	-.0	-.0	.0	4.7	5.2	5.2	-4.7
118.0	.5	.1	.9	.1	.1	.0	-.0	-.0	.0	4.7	5.1	5.2	-4.6
119.0	.5	.2	.8	.1	.1	-.0	-.0	-.1	.0	4.4	4.7	4.9	-4.2
120.0	.5	.2	.6	.1	.1	-.0	-.0	-.1	.0	4.1	4.4	4.6	-3.8
121.0	.6	.2	.5	.1	.1	-.0	-.0	-.1	.0	3.8	4.0	4.4	-3.4
122.0	.6	.2	.5	.1	.2	-.0	-.0	-.1	.0	3.5	3.5	4.1	-2.9
123.0	.6	.2	.4	.1	.3	-.1	-.0	-.1	.0	3.0	2.9	3.6	-2.3
124.0	.6	.2	.3	.1	.5	-.0	-.0	-.1	.0	2.3	2.1	2.9	-1.5
125.0	.6	.2	.3	.1	.6	-.0	-.0	-.1	.0	1.6	1.3	2.2	-.7
126.0	.6	.2	.1	.1	.7	-.0	-.0	-.1	.0	1.8	1.6	2.4	-1.0
127.0	.7	.1	-.2	.1	.7	.0	-.0	-.1	.0	2.0	1.8	2.7	-1.1
128.0	.7	.1	-.5	.1	.7	.0	-.0	-.1	.0	2.2	2.1	2.9	-1.4
129.0	.7	.1	-.6	.1	.7	.0	-.0	-.1	.0	2.2	2.1	2.9	-1.4
130.0	.7	.1	-.6	.1	.7	.0	-.0	-.2	-.8	2.5	2.2	3.2	-1.5
131.0	.7	.1	-.6	.1	.7	.0	-.0	-.2	-.8	2.5	2.2	3.2	-1.5
132.0	.7	.1	-.6	.1	.7	.0	-.0	-.2	-.8	2.5	2.2	3.2	-1.5
133.0	.1	-.1	-1.4	.1	.7	-.3	-1.2	-.2	-.8	5.2	4.2	5.2	-4.1
134.0	.1	-.1	-3.6	.1	.7	-.3	-1.2	-.2	-.8	5.1	5.3	5.2	-5.2
135.0	.1	-.1	-3.7	.1	.7	.2	-1.2	-.2	-.8	5.1	5.3	5.2	-5.2
145.0	-.1	-.0	-3.4	.1	.6	.1	-1.1	-.2	-.7	4.8	5.0	4.7	-5.1
155.0	-.2	-.0	-3.2	.1	.6	.2	-1.0	-.2	-.6	4.5	4.7	4.2	-4.8
165.0	-.2	-.0	-3.0	.1	.5	.1	-1.0	-.2	-.6	4.1	4.3	4.0	-4.5
175.0	-.1	.0	-2.7	.1	.5	.1	-.9	-.2	-.5	3.8	4.0	3.7	-4.1
185.0	-.1	.0	-2.5	.1	.5	.1	-.8	-.2	-.4	3.5	3.6	3.3	-3.8
195.0	-.1	.0	-2.3	.1	.4	.1	-.7	-.1	-.4	3.2	3.3	3.0	-3.5
205.0	-.1	.0	-2.1	.1	.4	.1	-.7	-.1	-.3	2.9	3.0	2.7	-3.2
215.0	-.2	.0	-1.9	.1	.4	.1	-.6	-.1	-.3	2.8	2.7	2.5	-2.9
225.0	-.2	.0	-1.7	.1	.3	.1	-.6	-.1	-.2	2.3	2.5	2.2	-2.6
235.0	-.2	.0	-1.5	.1	.3	.1	-.5	-.1	-.1	2.1	2.2	1.9	-2.3
245.0	-.2	.0	-1.3	.1	.3	.1	-.4	-.1	-.1	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	.0	.0	.2	.0	.0	-.1	-.0	.4	.4	-1.5	-2.2
265.0	-1.9	.0	.0	.0	.2	.0	.0	-.1	-.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0

GN/C

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.6	-.1	1.3	-.2	-.0	-.1	.0	.1	.0	1.9	2.0	2.6	-1.3
101.0	.6	-.0	1.3	-.2	-.0	-.1	.0	.1	.0	2.0	2.0	2.6	-1.3
102.0	.6	-.0	1.3	-.2	-.0	-.1	.0	.1	.0	2.0	2.0	2.6	-1.4
103.0	.6	-.0	1.3	-.2	-.0	-.1	.0	.1	.0	2.0	2.0	2.6	-1.4
104.0	.5	.1	1.3	-.2	-.0	-.1	.0	.1	.0	2.0	2.0	2.6	-1.4
105.0	.5	.1	1.3	-.1	-.0	-.2	.0	.1	.0	2.0	2.0	2.5	-1.5
106.0	.6	.1	1.3	-.1	-.0	-.2	.0	.1	.0	2.0	2.0	2.6	-1.4
107.0	.6	.1	1.3	-.1	-.1	-.2	.0	.1	.0	2.0	2.0	2.6	-1.4
108.0	.6	.0	1.2	-.1	-.1	-.2	.0	.1	.0	1.9	2.0	2.6	-1.4
109.0	.6	.0	1.1	-.1	-.1	-.1	.0	.1	.0	1.9	1.9	2.4	-1.3
110.0	.6	.0	.8	-.1	-.1	-.1	.0	.1	.0	1.7	1.9	2.3	-1.3
111.0	.5	.1	.5	-.1	-.0	-.1	.0	.1	.0	1.6	1.9	2.1	-1.4
112.0	.5	.0	.2	-.1	-.0	-.1	.0	.1	.0	1.6	2.1	2.1	-1.5
113.0	.5	.0	-.1	-.1	-.1	-.1	.0	.1	.0	1.8	2.4	2.3	-1.9
114.0	.5	.0	-.4	-.1	-.1	-.1	.0	.1	.0	2.9	3.5	3.5	-2.9
115.0	.5	.0	-.7	-.1	-.1	-.1	.0	.0	.0	3.9	4.4	4.4	-3.8
116.0	.5	.0	-.8	-.1	-.1	-.1	.0	.0	.0	4.4	4.9	4.9	-4.4
117.0	.5	-.1	-.9	-.1	-.1	-.1	.0	.0	.0	4.7	5.2	5.2	-4.7
118.0	.5	-.1	-.9	-.1	-.1	.0	.0	.0	.0	4.7	5.1	5.2	-4.6
119.0	.5	-.1	-.8	-.1	-.1	.0	.0	.1	.0	4.4	4.7	4.9	-4.2
120.0	.5	-.2	-.7	-.1	-.1	.0	.0	.1	.0	4.1	4.4	4.6	-3.8
121.0	.6	-.2	-.6	-.1	-.1	.0	.0	.1	.0	3.8	4.0	4.4	-3.4
122.0	.6	-.2	-.5	-.1	-.2	.0	.0	.2	.0	3.5	3.5	4.1	-2.9
123.0	.6	-.2	-.4	-.2	-.3	.0	.0	.1	.0	3.0	2.9	3.6	-2.3
124.0	.6	-.2	-.3	-.1	-.5	.0	.0	.1	.0	2.3	2.1	2.9	-1.5
125.0	.6	-.2	-.3	-.1	-.6	.0	.0	.1	.0	1.6	1.3	2.2	-.7
126.0	.6	-.1	-.1	-.1	-.7	.0	.0	.1	.0	1.0	1.6	2.4	-1.0
127.0	.7	-.1	.2	-.1	-.7	-.0	.0	.1	.0	2.0	1.8	2.7	-1.1
128.0	.7	-.1	.5	-.1	-.7	-.0	.0	.1	.0	2.2	2.1	2.9	-1.4
129.0	.7	-.1	.6	-.1	-.7	-.0	.0	.1	.0	2.2	2.1	2.9	-1.4
130.0	.7	-.1	.6	-.1	-.7	-.0	.0	.2	.8	2.5	2.2	3.2	-1.5
131.0	.7	-.1	.5	-.1	-.7	-.0	.0	.2	.8	2.5	2.2	3.2	-1.5
132.0	.7	-.1	.5	-.1	-.7	-.0	.0	.2	.8	2.5	2.2	3.2	-1.5
133.0	.1	-.3	3.6	-.3	-.7	-.3	1.2	.2	.8	5.2	4.2	5.2	-4.1
134.0	.1	-.3	3.6	-.3	-.7	-.3	1.2	.2	.8	5.1	5.3	5.2	-5.2
135.0	.1	-.3	3.6	-.2	-.7	-.3	1.2	.2	.8	5.1	5.3	5.2	-5.2
145.0	-.1	-.1	3.4	-.3	-.7	-.3	1.1	.2	.8	4.8	5.0	4.7	-5.1
155.0	-.2	.1	3.2	-.2	-.6	-.2	1.0	.2	.7	4.5	4.7	4.2	-4.9
165.0	-.2	.0	2.9	-.2	-.6	-.2	.9	.2	.6	4.1	4.3	4.0	-4.5
175.0	-.1	.0	2.7	-.2	-.5	-.2	.9	.2	.5	3.8	4.0	3.7	-4.1
185.0	-.1	.0	2.5	-.2	-.5	-.2	.8	.2	.5	3.5	3.6	3.3	-3.8
195.0	-.1	.0	2.3	-.2	-.4	-.1	.7	.1	.4	3.2	3.3	3.0	-3.5
205.0	-.1	.0	2.1	-.1	-.4	-.1	.7	.1	.3	2.9	3.0	2.7	-3.2
215.0	-.2	.0	1.9	-.1	-.4	-.1	.6	.1	.3	2.6	2.7	2.5	-2.9
225.0	-.2	.0	1.7	-.1	-.3	-.1	.5	.1	.2	2.3	2.5	2.2	-2.6
235.0	-.2	.0	1.5	-.1	-.3	-.1	.5	.1	.2	2.1	2.2	1.9	-2.3
245.0	-.2	.0	1.3	-.1	-.3	-.1	.4	.1	.1	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	-.0	.0	-.2	.0	-.0	.1	.1	.4	.4	-1.5	-2.2
265.0	-1.9	.0	-.0	.0	-.2	.0	.0	.1	.0	.3	.3	-1.5	-2.2
275.0	-1.9	.0	-.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	BETA POS			
285.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.8	-2.0
295.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
305.0	-1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
315.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.0
325.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-1.9	-2.1
335.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
345.0	-2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
355.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
365.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.1
375.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.0	-2.2
385.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
395.0	-2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
405.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.1	-2.2
415.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.1	-2.2
425.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.2	-2.3
435.0	-2.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	-2.2	-2.3
445.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.2	-2.3
455.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.3	-2.3
465.0	-2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.3	-2.4
475.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-2.3	-2.4
485.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.4	-2.5
495.0	-2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	-2.4	-2.5
505.0	-2.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.4	-2.6
515.0	-2.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.5	-2.6
525.0	-2.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.7
535.0	-2.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.6	-2.8
545.0	-2.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.7	-2.9
555.0	-2.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.8	-3.0
565.0	-3.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-2.9	-3.2

APPENDIX G—MISSION 3A DISPERSION ANALYSIS TABULAR DATA

ORIGINAL PAGE IS
OF POOR QUALITY

PROPULSION

TIME	NOM VAL		1	2	3	4	5	6	7	8	9	10	11	AHI	POS		
50.0	1.6	-.3	.0	.0	.1	.0	.0	-.0	.0	.0	.0	.0	.5	.7	2.2	.9	
51.0	1.7	-.3	.0	.0	.2	.0	.0	-.0	.0	.0	.0	.0	.6	.8	2.3	1.0	
52.0	1.8	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.6	.8	2.5	1.0	
53.0	2.0	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.7	.9	2.6	1.1	
54.0	2.1	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.7	.9	2.8	1.2	
55.0	2.2	-.4	.0	.1	.2	.0	.0	-.0	.0	.0	.0	.0	.8	.9	3.0	1.3	
56.0	2.3	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.8	1.0	3.1	1.4	
57.0	2.5	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.9	1.0	3.3	1.5	
58.0	2.6	-.5	.0	.1	.2	.0	-.0	-.0	.0	.0	.0	.0	.9	1.1	3.5	1.6	
59.0	2.8	-.5	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.0	1.1	3.8	1.7	
60.0	2.9	-.6	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.1	1.1	4.0	1.8	
61.0	3.1	-.6	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.2	1.2	4.3	1.9	
62.0	3.3	-.7	.0	.1	.3	.0	-.0	-.0	.0	.0	.0	.0	1.3	1.2	4.5	2.1	
63.0	3.5	-.7	.0	.1	.4	.0	-.0	-.0	.0	.0	.0	.0	1.4	1.3	4.9	2.2	
64.0	3.7	-.8	.0	.1	.4	.0	-.0	-.0	.0	.0	.0	.0	1.5	1.3	5.2	2.4	
65.0	4.0	-.9	.0	.1	.4	.0	-.0	-.0	.0	.0	.0	.0	1.6	1.4	5.6	2.6	
66.0	4.3	-1.0	.0	.1	.5	.0	-.0	-.0	.1	.0	.0	.0	1.8	1.5	6.1	2.8	
67.0	4.6	-1.1	.0	.2	.5	.0	-.0	-.0	.1	.0	.0	.0	1.9	1.6	6.5	3.0	
68.0	5.0	-1.2	.0	.2	.6	.0	-.0	-.0	.1	.0	.0	.0	2.1	1.7	7.1	3.3	
69.0	5.4	-1.4	.0	.2	.6	.0	-.0	-.1	.1	.0	.0	.0	2.3	1.9	7.7	3.6	
70.0	5.8	-1.5	.0	.2	.7	.0	-.0	-.1	.1	.0	.0	.0	2.5	2.0	8.3	3.9	
71.0	6.3	-1.7	.0	.2	.7	.0	-.0	-.1	.1	.0	.0	.0	2.7	2.1	9.0	4.2	
72.0	6.9	-1.9	.0	.2	.8	.0	-.0	-.1	.1	.0	.0	.0	3.0	2.3	9.8	4.6	
73.0	7.5	-2.1	.0	.3	.9	.0	-.0	-.1	.1	.0	.0	.0	3.2	2.5	10.7	5.0	
74.0	8.1	-2.3	.0	.3	1.0	.0	-.0	-.1	.1	.0	.0	.0	3.5	2.7	11.6	5.4	
75.0	8.8	-2.5	.0	.3	1.0	.0	-.0	-.1	.1	.0	.0	.0	3.8	2.9	12.7	5.9	
76.0	9.6	-2.7	.0	.3	1.1	.0	-.1	-.1	.1	.0	.0	.0	4.1	3.2	13.8	6.4	
77.0	10.5	-3.0	.0	.4	1.2	.0	-.1	-.1	.1	.0	.0	.0	4.5	3.5	15.0	7.0	
78.0	11.4	-3.2	.0	.4	1.3	.0	-.1	-.1	.2	.0	.0	.0	4.9	3.8	16.3	7.7	
79.0	12.4	-3.5	.0	.4	1.4	.0	-.1	-.1	.2	.0	.0	.0	5.2	4.1	17.7	8.4	
80.0	13.5	-3.8	.0	.5	1.5	.0	-.1	-.1	.2	.0	.1	.0	5.6	4.4	19.2	9.1	
81.0	14.7	-4.1	.0	.5	1.6	.0	-.1	-.1	.2	.0	.1	.0	6.0	4.8	20.7	10.0	
82.0	16.0	-4.5	.0	.5	1.7	.0	-.1	-.1	.2	-.0	.1	.0	6.4	5.1	22.4	10.9	
83.0	17.4	-4.8	.0	.6	1.8	.0	-.1	-.2	.2	-.0	.1	.0	6.8	5.5	24.2	11.8	
84.0	18.8	-5.1	.0	.6	1.9	.0	-.1	-.2	.2	-.0	.1	.0	7.2	5.9	26.0	12.9	
85.0	20.3	-5.5	.0	.6	2.0	.0	-.1	-.2	.2	-.0	.1	-.0	7.7	6.3	28.0	14.0	
86.0	21.9	-5.8	.0	.7	2.2	.0	-.1	-.2	.3	-.0	.1	-.0	8.1	6.7	30.0	15.2	
87.0	23.6	-6.1	.0	.7	2.3	.0	-.1	-.2	.3	-.0	.1	-.0	8.6	7.1	32.2	16.5	
88.0	25.4	-6.5	.0	.7	2.4	.0	-.1	-.2	.3	-.0	.1	-.0	9.0	7.5	34.4	17.9	
89.0	27.3	-6.9	.0	.8	2.5	.0	-.1	-.2	.3	-.0	.1	-.0	9.5	7.9	36.8	19.3	
90.0	29.3	-7.3	.0	.9	2.7	.0	-.1	-.3	.3	-.0	.1	-.0	10.0	8.4	39.2	20.9	
91.0	31.3	-7.7	.0	.8	2.8	.0	-.1	-.3	.4	-.0	.1	-.0	10.4	8.9	41.8	22.5	
92.0	33.5	-8.0	.0	.9	2.9	.0	-.1	-.3	.4	-.0	.1	-.0	10.9	9.3	44.4	24.2	
93.0	35.7	-8.4	.0	.9	3.1	.0	-.1	-.3	.4	-.0	.1	-.0	11.4	9.8	47.1	25.9	
94.0	38.1	-8.8	.0	1.0	3.2	.0	-.1	-.3	.4	-.0	.1	-.0	11.9	10.3	49.9	27.8	
95.0	40.5	-9.2	.0	1.0	3.3	.0	-.1	-.3	.4	-.0	.1	-.0	12.3	10.7	52.8	29.8	
96.0	43.0	-9.5	.0	1.0	3.4	.0	-.1	-.4	.5	-.0	.1	-.0	12.8	11.2	55.8	31.8	
97.0	45.6	-9.9	.0	1.1	3.6	.0	-.1	-.4	.5	-.0	.1	-.0	13.3	11.7	58.9	33.9	
98.0	48.3	-10.3	.0	1.1	3.7	.0	-.1	-.4	.5	-.0	.1	-.0	13.7	12.2	62.0	36.1	
99.0	51.1	-10.6	.0	1.1	3.8	.0	-.1	-.4	.5	-.0	.1	-.0	14.2	12.7	65.2	38.4	

PROPULSION

TIME	NON VAL	1	2	3	4	5	6	7	8	9	10	11	AHT	NEG
50.0	1.6	.4	.0	-.3	-.1	-.0	.0	.0	-.0	.0	.0	.0	.5	.7	2.2	.9
51.0	1.7	.4	.0	-.0	-.1	-.1	.0	.0	-.0	.0	.0	.0	.6	.8	2.3	1.0
52.0	1.8	.5	.0	-.1	-.1	-.1	.0	.0	-.0	.0	.0	.0	.6	.8	2.5	1.0
53.0	2.0	.5	.0	-.1	-.1	-.1	.0	.0	-.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	.5	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	.5	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.8	.9	3.0	1.3
56.0	2.3	.6	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.8	1.0	3.1	1.4
57.0	2.5	.6	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.9	1.0	3.3	1.5
58.0	2.6	.7	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	.9	1.1	3.5	1.6
59.0	2.6	.7	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	2.9	.8	.0	-.1	-.2	-.1	.0	.0	-.0	.0	.0	.0	1.1	1.1	4.0	1.8
61.0	3.1	.9	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.2	1.2	4.3	1.9
62.0	3.3	1.0	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.3	1.2	4.5	2.1
63.0	3.5	1.1	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.4	1.3	4.9	2.2
64.0	3.7	1.2	.0	-.1	-.3	-.1	.0	.0	-.0	.0	-.0	.0	1.5	1.3	5.2	2.4
65.0	4.0	1.3	.0	-.1	-.4	-.1	.0	.0	-.0	.0	-.0	.0	1.6	1.4	5.6	2.6
66.0	4.3	1.5	.0	-.1	-.4	-.1	.0	.0	-.1	.0	-.0	.0	1.8	1.5	6.1	2.8
67.0	4.6	1.7	.0	-.2	-.4	-.2	.0	.0	-.1	.0	-.0	.0	1.9	1.6	6.5	3.0
68.0	5.0	1.8	.0	-.2	-.5	-.2	.0	.0	-.1	.0	-.0	.0	2.1	1.7	7.1	3.3
69.0	5.4	2.0	.0	-.2	-.5	-.2	.0	.0	-.1	.0	-.0	.0	2.3	1.8	7.7	3.6
70.0	5.8	2.2	.0	-.2	-.6	-.2	.0	.0	-.1	.0	-.0	.0	2.5	2.0	8.3	3.9
71.0	6.3	2.4	.0	-.3	-.6	-.2	.0	.0	-.1	.0	-.0	.0	2.7	2.1	9.0	4.2
72.0	6.9	2.7	.0	-.2	-.7	-.2	.0	.0	-.1	.0	-.0	.0	3.0	2.3	9.8	4.6
73.0	7.5	2.9	.0	-.3	-.8	-.3	.0	.0	-.1	.0	-.0	.0	3.2	2.5	10.7	5.0
74.0	8.1	3.2	.0	-.3	-.8	-.3	.1	.0	-.1	.0	-.0	.0	3.5	2.7	11.6	5.4
75.0	8.8	3.5	.0	-.3	-.9	-.3	.1	.0	-.1	.0	-.0	.0	3.8	2.9	12.7	5.9
76.0	9.6	3.8	.0	-.3	-1.0	-.3	.1	.0	-.1	.0	-.0	.0	4.1	3.2	13.8	6.4
77.0	10.5	4.1	.0	-.4	-1.1	-.4	.1	.0	-.1	.0	-.0	.0	4.5	3.5	15.0	7.0
78.0	11.4	4.5	.0	-.4	-1.1	-.4	.1	.0	-.1	.0	-.0	.0	4.9	3.8	16.3	7.7
79.0	12.4	4.8	.0	-.4	-1.2	-.4	.1	.0	-.2	.0	-.1	.0	5.2	4.1	17.7	8.4
80.0	13.5	5.2	.0	-.4	-1.3	-.5	.1	.0	-.2	.0	-.1	.0	5.6	4.4	19.2	9.1
81.0	14.7	5.6	.0	-.5	-1.4	-.5	.1	.0	-.2	.0	-.1	.0	6.0	4.8	20.7	10.0
82.0	16.0	5.9	.0	-.5	-1.5	-.5	.1	.0	-.2	.0	-.1	.0	6.4	5.1	22.4	10.9
83.0	17.4	6.2	.0	-.5	-1.6	-.6	.1	.0	-.2	.0	-.1	.0	6.8	5.5	24.2	11.8
84.0	18.8	6.6	.0	-.6	-1.7	-.6	.1	.0	-.2	.0	-.1	.0	7.2	5.9	26.0	12.9
85.0	20.3	7.0	.0	-.6	-1.8	-.6	.1	.0	-.2	.0	-.1	.0	7.7	6.3	28.0	14.0
86.0	21.9	7.4	.0	-.6	-1.9	-.7	.1	.0	-.3	.0	-.1	.0	8.1	6.7	30.0	15.2
87.0	23.6	7.8	.0	-.7	-2.0	-.7	.1	.0	-.3	.0	-.1	.0	8.6	7.1	32.2	16.5
88.0	25.4	8.2	.0	-.7	-2.2	-.7	.1	.0	-.3	.0	-.1	.0	9.0	7.5	34.4	17.9
89.0	27.3	8.6	.0	-.8	-2.3	-.8	.1	.0	-.3	.0	-.1	.0	9.5	7.9	36.8	19.3
90.0	29.3	9.0	.0	-.8	-2.4	-.8	.1	.0	-.3	.0	-.1	.0	10.0	8.4	39.2	20.9
91.0	31.3	9.5	.0	-.9	-2.5	-.9	.1	.0	-.4	.0	-.1	.0	10.4	8.9	41.8	22.5
92.0	33.5	9.7	.0	-.9	-2.6	-.9	.2	.0	-.4	.0	-.1	.0	10.9	9.3	44.4	24.2
93.0	35.7	10.1	.0	-.9	-2.8	-.9	.2	.0	-.4	.0	-.1	.0	11.4	9.8	47.1	25.9
94.0	38.1	10.5	.0	-.9	-2.9	-1.0	.2	.0	-.4	.0	-.1	.0	11.9	10.3	49.9	27.8
95.0	40.5	10.9	.0	-1.0	-3.0	-1.0	.2	.0	-.4	.0	-.1	.0	12.3	10.7	52.8	29.9
96.0	43.1	11.2	.0	-1.0	-3.1	-1.0	.2	.0	-.4	.0	-.1	.0	12.8	11.2	55.8	31.8
97.0	45.8	11.6	.0	-1.1	-3.2	-1.1	.2	.0	-.5	.0	-.1	.0	13.3	11.7	58.9	33.9
98.0	48.3	11.9	.0	-1.1	-3.4	-1.1	.2	.0	-.5	.0	-.1	.0	13.7	12.2	62.0	36.1
99.0	51.1	12.2	.0	-1.1	-3.5	-1.2	.2	.0	-.5	.0	-.1	.0	14.2	12.7	65.2	38.4

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	AHI	POS			
100.0	53.7	-11.3	.0	1.2	3.9	.0	-.1	-.4	.5	-.0	.1	-.0	14.7	13.2	68.5	40.7	
101.0	56.8	-11.3	.0	1.2	4.0	.0	-.1	-.5	.6	-.0	.1	-.0	15.1	13.6	71.9	43.1	
102.0	59.7	-11.6	.0	1.2	4.1	.0	-.1	-.5	.6	-.0	.1	-.0	15.6	14.1	75.3	45.6	
103.0	62.7	-11.9	.0	1.2	4.2	.0	-.1	-.5	.6	-.0	.1	-.0	16.0	14.5	78.8	48.2	
104.0	65.6	-12.2	.0	1.3	4.2	.0	-.1	-.5	.6	-.1	.1	-.0	16.4	15.0	82.3	50.8	
105.0	69.0	-12.5	.0	1.3	4.3	.0	-.1	-.5	.6	-.1	.1	-.0	16.9	15.5	85.9	53.5	
106.0	72.6	-12.7	.0	1.4	4.4	.0	-.1	-.6	.7	-.1	.0	-.0	17.3	15.9	89.5	56.3	
107.0	75.4	-13.0	.0	1.4	4.5	.0	-.1	-.6	.7	-.1	.0	-.0	17.8	16.4	93.2	59.1	
108.0	78.8	-13.2	.0	1.4	4.5	.0	-.1	-.6	.7	-.1	.0	-.0	18.2	16.8	96.9	61.9	
109.0	82.1	-13.4	.0	1.5	4.6	.0	-.1	-.6	.7	-.1	.0	-.0	18.6	17.3	100.7	64.8	
110.0	85.5	-13.6	.0	1.5	4.6	.0	-.1	-.7	.7	-.1	.0	-.0	18.9	17.7	104.4	67.8	
111.0	88.9	-13.8	.0	1.5	4.6	.0	-.1	-.7	.7	-.1	-.0	-.0	19.1	18.2	108.1	70.9	
112.0	92.4	-14.0	.0	1.5	4.7	.0	-.1	-.7	.8	-.1	-.0	-.0	19.3	18.6	111.7	73.9	
113.0	95.9	-14.1	.0	1.5	4.7	.0	-.1	-.7	.8	-.1	-.1	-.0	19.5	19.0	115.4	76.9	
114.0	99.3	-14.2	.1	1.5	4.7	.0	-.1	-.8	.8	-.1	-.1	.0	19.6	19.4	118.9	79.9	
115.0	102.7	-14.1	.1	1.5	4.7	.0	-.1	-.8	.8	-.1	-.1	.0	19.8	19.7	122.5	83.0	
116.0	106.0	-13.9	.2	1.5	4.7	.0	-.1	-.8	.8	-.1	-.1	.0	19.9	19.9	125.9	86.1	
117.0	109.2	-13.7	.2	1.6	4.7	.0	-.1	-.8	.8	-.1	-.2	.0	20.1	20.1	129.3	89.1	
118.0	112.3	-13.3	.3	1.6	4.8	.0	-.1	-.9	.9	-.1	-.2	.0	20.3	20.2	132.6	92.2	
119.0	115.4	-13.0	.4	1.6	4.8	.0	-.1	-.9	.9	-.1	-.2	.0	20.5	20.3	135.9	95.1	
120.0	118.4	-12.6	.5	1.6	4.8	.0	-.1	-.9	.9	-.1	-.2	.0	20.7	20.4	139.1	98.0	
121.0	121.3	-12.2	.6	1.6	4.8	.0	-.0	-.9	.9	-.1	-.3	.0	20.9	20.6	142.2	100.7	
122.0	124.1	-11.8	.6	1.6	4.8	.0	-.0	-1.0	.9	-.1	-.3	.0	21.2	20.7	145.3	103.4	
123.0	126.9	-11.4	.7	1.6	4.8	.0	-.0	-1.0	.9	-.1	-.3	.0	21.4	20.9	148.3	106.0	
124.0	129.5	-10.9	.8	1.6	4.8	.0	.0	-1.0	1.0	-.1	-.4	.0	21.7	21.1	151.2	108.5	
125.0	132.1	-10.5	.9	1.6	4.7	.0	.0	-1.0	1.0	-.1	-.4	.0	22.0	21.3	154.1	110.8	
126.0	134.6	-10.1	.9	1.6	4.7	.0	.0	-1.0	1.0	-.1	-.4	.0	22.3	21.6	156.9	113.0	
127.0	137.0	-9.6	1.0	1.6	4.7	.0	.1	-1.1	1.0	-.1	-.5	.0	22.7	21.7	159.7	115.2	
128.0	139.3	-9.1	1.1	1.6	4.7	.0	.1	-1.1	1.0	-.1	-.5	.0	23.2	21.9	162.5	117.4	
129.0	141.5	-8.7	1.1	1.6	4.7	.0	.1	-1.1	1.0	-.1	-.5	.0	23.6	22.1	165.1	119.4	
130.0	143.7	-8.3	1.2	1.6	4.7	.0	.1	-1.1	1.0	-.1	-.6	.0	23.9	22.3	167.7	121.4	
131.0	145.9	-7.9	1.3	1.7	4.7	.0	.1	-1.1	1.0	-.1	-.6	.0	24.3	22.6	170.2	123.3	
132.0	148.0	-7.6	1.3	1.7	4.7	.0	.1	-1.2	1.1	-.1	-.7	.0	24.7	22.9	172.7	125.1	
133.0	150.1	-7.3	1.4	1.7	4.7	.0	.1	-1.2	1.1	-.1	-.7	.0	25.1	23.2	175.1	126.9	
134.0	152.1	-7.1	1.4	1.7	4.7	.0	.2	-1.2	1.1	-.1	-.7	.0	25.5	23.5	177.5	128.6	
135.0	154.1	-6.8	1.5	1.7	4.8	.0	.2	-1.2	1.1	-.1	-.8	.0	25.9	23.8	179.9	130.2	
145.0	171.6	-4.2	2.0	1.7	4.7	.0	.3	-1.4	1.3	-.2	-1.2	.0	30.0	27.3	201.8	144.6	
155.0	186.5	-2.0	2.4	1.8	4.6	.0	.5	-1.5	1.4	-.2	-1.6	.1	34.2	30.9	220.7	155.6	
165.0	198.7	.0	2.8	1.8	4.4	.0	.7	-1.6	1.6	-.2	-2.1	.1	38.4	34.5	237.1	164.2	
175.0	209.0	2.0	3.0	1.7	4.2	.0	.9	-1.8	1.7	-.2	-2.6	.1	42.5	38.1	251.5	170.9	
185.0	217.6	3.8	3.3	1.5	3.9	.0	1.1	-1.9	1.8	-.2	-3.0	.1	46.5	41.5	264.1	176.1	
195.0	224.6	5.4	3.5	1.6	3.6	.0	1.3	-2.0	1.8	-.3	-3.5	.1	50.2	44.5	275.0	180.3	
205.0	230.6	7.0	3.6	1.5	3.2	.0	1.5	-2.1	1.9	-.3	-3.9	.2	53.8	47.4	284.7	183.5	
215.0	235.9	8.5	3.7	1.4	2.8	.0	1.7	-2.1	1.9	-.3	-4.3	.2	57.2	49.8	292.9	186.0	
225.0	239.9	9.8	3.9	1.3	2.5	.0	1.8	-2.2	2.0	-.3	-4.7	.2	60.2	51.8	300.1	188.1	
235.0	243.4	10.9	3.9	1.2	2.3	.0	1.9	-2.3	2.0	-.3	-5.0	.2	62.8	53.5	306.1	189.9	
245.0	246.4	11.7	4.0	1.2	2.1	.0	2.1	-2.3	2.0	-.3	-5.2	.2	65.0	54.9	311.4	191.6	
255.0	249.2	12.5	4.1	1.1	1.9	.0	2.2	-2.4	2.1	-.3	-5.5	.2	66.9	56.2	316.1	193.1	
265.0	251.8	13.2	4.1	1.1	1.8	.0	2.2	-2.4	2.1	-.3	-5.7	.2	68.6	57.3	320.4	194.5	
275.0	254.1	13.7	4.2	1.1	1.7	.0	2.3	-2.4	2.1	-.3	-5.9	.2	70.1	58.3	324.3	195.9	

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11					
																ANI	NEG
100.0	53.9	12.5	.0	-1.2	-3.5	-1.2	.2	.0	-.5	.0	-.1	.0	14.7	13.2	68.5	40.7	
101.0	56.3	12.8	.0	-1.2	-3.6	-1.2	.2	.0	-.5	.0	-.1	.0	15.1	13.6	71.9	43.1	
102.0	59.7	13.1	.0	-1.2	-3.7	-1.3	.2	.0	-.6	.0	-.1	.0	15.6	14.1	75.3	45.6	
103.0	62.7	13.3	.0	-1.3	-3.8	-1.3	.2	.0	-.6	.0	-.1	.0	16.0	14.5	78.8	48.2	
104.0	65.8	13.6	.0	-1.3	-3.9	-1.3	.2	.0	-.6	.0	-.1	.0	16.4	15.0	82.3	50.8	
105.0	69.0	13.8	.0	-1.3	-4.0	-1.4	.2	.0	-.6	.1	-.1	.0	16.9	15.5	85.9	53.5	
106.0	72.2	14.0	.0	-1.3	-4.0	-1.4	.2	.0	-.6	.1	-.0	.0	17.3	15.9	89.5	56.3	
107.0	75.4	14.2	.0	-1.4	-4.1	-1.4	.3	.0	-.7	.1	-.0	.0	17.8	16.4	93.2	59.1	
108.0	78.8	14.4	.0	-1.4	-4.1	-1.4	.3	.0	-.7	.1	-.0	.0	18.2	16.8	96.9	61.9	
109.0	82.1	14.4	.0	-1.4	-4.2	-1.5	.3	.0	-.7	.1	.0	.0	18.6	17.3	100.7	64.8	
110.0	85.5	14.4	.0	-1.4	-4.2	-1.5	.3	.0	-.7	.1	.0	.0	18.9	17.7	104.4	67.8	
111.0	88.9	14.3	.0	-1.5	-4.3	-1.5	.3	.0	-.7	.1	.0	.0	19.1	18.2	108.1	70.8	
112.0	92.4	14.1	.0	-1.5	-4.3	-1.5	.3	.0	-.8	.1	.0	.0	19.3	18.6	111.7	73.9	
113.0	95.9	13.8	.0	-1.5	-4.3	-1.6	.3	.0	-.8	.1	.1	.0	19.5	19.0	115.4	76.9	
114.0	99.3	13.4	.1	-1.5	-4.3	-1.6	.3	.0	-.8	.1	.1	.0	19.6	19.4	118.9	79.9	
115.0	102.7	13.1	.1	-1.5	-4.3	-1.6	.3	.0	-.8	.1	.1	.0	19.8	19.7	122.5	83.0	
116.0	106.0	12.7	.2	-1.5	-4.3	-1.6	.3	.0	-.8	.1	.1	.0	19.9	19.9	125.9	86.1	
117.0	109.2	12.2	.2	-1.5	-4.4	-1.6	.3	.0	-.8	.1	.2	.0	20.1	20.1	129.3	89.1	
118.0	112.3	11.8	.3	-1.6	-4.4	-1.6	.3	.0	-.9	.1	.2	.0	20.3	20.2	132.6	92.2	
119.0	115.4	11.4	.4	-1.6	-4.4	-1.6	.3	.0	-.9	.1	.2	.0	20.5	20.3	135.9	95.1	
120.0	118.4	11.0	.5	-1.6	-4.4	-1.7	.3	.0	-.9	.1	.2	.0	20.7	20.4	139.1	98.0	
121.0	121.3	10.5	.6	-1.6	-4.4	-1.7	.2	.0	-.9	.1	.3	.0	20.9	20.6	142.2	100.7	
122.0	124.1	10.1	.6	-1.6	-4.4	-1.7	.2	.0	-.9	.1	.3	.0	21.2	20.7	145.3	103.4	
123.0	126.7	9.6	.7	-1.6	-4.4	-1.7	.2	.0	-.9	.1	.3	.0	21.4	20.9	148.3	106.0	
124.0	129.5	9.1	.8	-1.6	-4.4	-1.7	.2	.0	-.9	.1	.4	.0	21.7	21.1	151.2	108.5	
125.0	132.1	8.7	.9	-1.6	-4.4	-1.7	.2	.0	-1.0	.1	.4	.0	22.0	21.3	154.1	110.8	
126.0	134.6	8.4	.9	-1.6	-4.4	-1.7	.2	.0	-1.0	.1	.4	.0	22.3	21.6	156.9	113.0	
127.0	137.0	8.1	1.0	-1.6	-4.3	-1.7	.2	.0	-1.0	.1	.5	.0	22.7	21.7	159.7	115.2	
128.0	139.3	7.8	1.1	-1.6	-4.3	-1.7	.2	.0	-1.0	.1	.5	.0	23.2	21.9	162.5	117.4	
129.0	141.5	7.5	1.2	-1.6	-4.3	-1.7	.2	.0	-1.0	.1	.6	.0	23.6	22.1	165.1	119.4	
130.0	143.7	7.2	1.2	-1.6	-4.3	-1.7	.2	.0	-1.0	.1	.6	.0	23.9	22.3	167.7	121.4	
131.0	145.9	6.9	1.3	-1.7	-4.3	-1.7	.2	.0	-1.0	.1	.6	.0	24.3	22.6	170.2	123.3	
132.0	148.0	6.6	1.4	-1.7	-4.3	-1.7	.2	.0	-1.1	.1	.7	.0	24.7	22.9	172.7	125.1	
133.0	150.1	6.4	1.4	-1.7	-4.3	-1.8	.1	.0	-1.1	.1	.7	.0	25.1	23.2	175.1	126.9	
134.0	152.1	6.1	1.5	-1.7	-4.3	-1.8	.1	.0	-1.1	.1	.8	.0	25.5	23.5	177.6	128.6	
135.0	154.1	5.8	1.6	-1.7	-4.4	-1.8	.1	.0	-1.1	.1	.8	.0	25.9	23.8	179.9	130.2	
145.0	171.8	3.4	2.1	-1.7	-4.4	-1.8	.0	.0	-1.3	.2	1.2	.0	30.0	27.3	201.8	144.6	
155.0	186.5	1.3	2.6	-1.8	-4.3	-1.9	-.1	.0	-1.4	.2	1.7	.0	34.2	30.9	220.7	155.6	
165.0	198.7	-.7	2.9	-1.9	-4.1	-2.0	-.3	.0	-1.5	.2	2.2	.0	38.4	34.5	237.1	164.2	
175.0	209.0	-2.5	3.3	-1.7	-3.9	-1.8	-.4	.0	-1.6	.2	2.7	.0	42.5	38.1	251.5	170.9	
185.0	217.4	-4.1	3.5	-1.6	-3.6	-1.7	-.6	.0	-1.7	.2	3.2	.0	46.5	41.5	264.1	176.1	
195.0	224.3	-5.6	3.8	-1.5	-3.3	-1.7	-.7	.0	-1.8	.3	3.6	.0	50.2	44.5	275.0	180.3	
205.0	230.0	-7.1	3.9	-1.5	-2.9	-1.6	-.8	.0	-1.9	.3	4.1	.0	53.8	47.4	284.7	183.5	
215.0	235.0	-8.3	4.1	-1.4	-2.6	-1.5	-1.0	.0	-1.9	.3	4.5	.0	57.2	49.8	292.9	186.0	
225.0	239.9	-9.3	4.2	-1.3	-2.2	-1.4	-1.1	.0	-1.9	.3	5.0	.0	60.2	51.8	300.1	188.1	
235.0	243.4	-10.1	4.3	-1.2	-2.0	-1.3	-1.2	.0	-1.9	.3	5.3	.0	62.8	53.5	306.1	189.9	
245.0	246.9	-10.8	4.4	-1.1	-1.8	-1.2	-1.3	.0	-1.9	.3	5.6	.0	65.0	54.9	311.9	191.6	
255.0	249.2	-11.4	4.5	-1.1	-1.6	-1.2	-1.4	.0	-2.0	.3	5.9	.0	66.9	56.2	316.1	193.1	
265.0	251.8	-11.9	4.6	-1.1	-1.4	-1.1	-1.4	.0	-2.0	.3	6.1	.0	68.6	57.3	320.4	194.5	
275.0	254.1	-12.3	4.6	-1.1	-1.3	-1.1	-1.5	.0	-2.0	.4	6.3	.0	70.1	58.3	324.3	195.9	

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	AHT	POS
285.0	256.3	14.2	4.2	1.0	1.6	.0	2.4	-2.5	2.2	-.3	-6.0	.2	71.5	59.2	327.8	197.1
295.0	258.4	14.6	4.3	1.0	1.5	.0	2.5	-2.5	2.2	-.4	-6.2	.3	72.7	60.0	331.1	198.4
305.0	260.4	15.0	4.3	1.0	1.4	.0	2.5	-2.5	2.3	-.4	-6.3	.3	73.8	60.8	334.3	199.6
315.0	262.5	15.3	4.4	.9	1.3	.0	2.6	-2.5	2.3	-.4	-6.5	.3	75.0	61.6	337.4	200.9
325.0	264.5	15.7	4.4	.9	1.2	.0	2.6	-2.6	2.4	-.4	-6.6	.3	76.1	62.3	340.6	202.2
335.0	266.6	16.0	4.4	.9	1.1	.0	2.7	-2.6	2.4	-.4	-6.7	.3	77.2	63.1	343.8	203.6
345.0	268.9	16.3	4.5	.9	1.1	.0	2.8	-2.6	2.5	-.4	-6.9	.3	78.3	63.8	347.2	205.1
355.0	271.3	16.6	4.5	.9	1.0	.0	2.8	-2.6	2.6	-.4	-7.0	.3	79.4	64.6	350.7	206.7
365.0	273.9	16.9	4.6	.9	1.0	.0	2.9	-2.7	2.7	-.4	-7.2	.3	80.5	65.4	354.4	208.5
375.0	276.7	17.2	4.7	.9	.9	.0	3.0	-2.7	2.8	-.5	-7.3	.3	81.7	66.2	358.4	210.5
385.0	279.8	17.5	4.7	.9	.8	.0	3.0	-2.7	2.9	-.5	-7.5	.3	83.0	67.1	362.8	212.7
395.0	283.2	17.8	4.8	.8	.8	.0	3.1	-2.8	3.1	-.5	-7.7	.3	84.3	68.0	367.6	215.3
405.0	287.3	18.1	4.9	.8	.7	.0	3.2	-2.8	3.3	-.5	-7.9	.3	85.7	69.1	373.0	218.2
415.0	291.8	18.4	5.0	.8	.7	.0	3.3	-2.8	3.6	-.6	-8.1	.3	87.3	70.2	379.1	221.6
425.0	297.0	18.7	5.1	.8	.7	.0	3.4	-2.9	3.9	-.6	-8.3	.4	89.0	71.5	385.9	225.5
435.0	303.0	19.0	5.2	.8	.6	.0	3.5	-2.9	4.2	-.7	-8.6	.4	90.8	72.8	393.7	230.1
445.0	309.9	19.3	5.4	.8	.6	.0	3.6	-3.0	4.7	-.8	-8.9	.4	92.8	74.4	402.7	235.6
455.0	318.1	19.6	5.5	.8	.6	.0	3.7	-3.0	5.3	-.9	-9.2	.4	94.9	76.0	413.0	242.0
465.0	327.6	19.8	5.8	.9	.7	.0	3.8	-3.1	6.0	-1.0	-9.5	.4	97.3	77.7	424.9	249.8
475.0	338.9	20.0	6.0	.9	.8	.0	4.0	-3.2	6.9	-1.1	-9.9	.4	99.7	79.9	438.6	259.1
485.0	352.3	20.0	6.3	1.0	.9	.0	4.1	-3.2	8.0	-1.3	-10.3	.4	102.1	82.0	454.4	270.3
495.0	368.1	19.9	6.7	1.0	1.1	.0	4.2	-3.3	9.3	-1.6	-10.7	.5	104.5	84.2	472.6	283.9
505.0	386.6	19.6	7.1	1.2	1.5	.0	4.4	-3.4	10.9	-1.8	-11.1	.5	106.9	86.3	493.5	300.3
515.0	408.3	19.0	7.6	1.3	1.9	.0	4.5	-3.4	12.7	-2.2	-11.4	.5	109.3	88.4	517.6	319.9
525.0	433.6	18.2	8.1	1.5	2.5	.0	4.6	-3.5	14.9	-2.6	-11.8	.5	111.5	90.5	545.2	343.1
535.0	463.0	17.0	8.8	1.7	3.2	.0	4.6	-3.6	17.4	-3.0	-12.1	.5	113.6	92.5	576.8	370.5
545.0	496.8	15.4	9.5	2.0	4.0	.0	4.7	-3.6	20.1	-3.5	-12.3	.5	115.5	94.4	612.2	402.4
555.0	535.2	13.4	10.3	2.3	5.0	.0	4.7	-3.7	23.0	-4.1	-12.6	.5	117.1	96.1	652.3	439.1
565.0	578.4	11.0	11.2	2.6	6.0	.0	4.7	-3.7	25.8	-4.7	-12.7	.5	118.4	97.7	696.8	480.7

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	AHT	NEG		
285.0	256.3	-12.7	4.7	-1.0	-1.2	-1.1	-1.5	.0	-2.1	.4	6.5	.0	71.5	59.2	327.8	197.1
295.0	258.4	-13.0	4.7	-.9	-1.1	-1.0	-1.6	.0	-2.1	.4	6.7	.0	72.7	60.0	331.1	198.4
305.0	260.4	-13.4	4.8	-.9	-1.0	-1.0	-1.6	.0	-2.1	.4	6.8	.0	73.8	60.8	334.3	199.6
315.0	262.5	-13.7	4.8	-.9	-.9	-1.0	-1.7	.0	-2.2	.4	7.0	.0	75.0	61.6	337.4	200.9
325.0	264.5	-13.9	4.9	-.8	-.8	-1.0	-1.7	.0	-2.2	.4	7.2	.0	76.1	62.3	340.6	202.2
335.0	266.6	-14.2	5.0	-.8	-.7	-1.0	-1.8	.0	-2.3	.4	7.3	.0	77.2	63.1	343.8	203.6
345.0	268.9	-14.5	5.0	-.8	-.6	-.9	-1.8	.0	-2.4	.4	7.5	.0	78.3	63.8	347.2	205.1
355.0	271.3	-14.7	5.1	-.8	-.6	-.9	-1.9	.0	-2.4	.4	7.7	.0	79.4	64.6	350.7	206.7
365.0	273.9	-15.0	5.1	-.8	-.5	-.9	-1.9	.0	-2.5	.5	7.8	.0	80.5	65.4	354.4	208.5
375.0	276.7	-15.3	5.2	-.8	-.4	-.9	-2.0	.0	-2.6	.5	8.0	.0	81.7	66.2	358.4	210.5
385.0	279.6	-15.5	5.3	-.7	-.4	-.9	-2.0	.0	-2.8	.5	8.2	.0	83.0	67.1	362.8	212.7
395.0	282.3	-15.8	5.4	-.7	-.3	-.9	-2.1	.0	-2.9	.5	8.4	.0	84.3	68.0	367.6	215.3
405.0	287.3	-16.1	5.5	-.7	-.3	-.8	-2.1	.0	-3.1	.6	8.7	.0	85.7	69.1	373.0	218.2
415.0	291.8	-16.5	5.6	-.7	-.2	-.8	-2.2	.0	-3.3	.6	8.9	.0	87.3	70.2	379.1	221.6
425.0	297.0	-16.8	5.7	-.7	-.2	-.8	-2.3	.0	-3.6	.7	9.2	.0	89.0	71.5	385.9	225.5
435.0	303.0	-17.1	5.9	-.7	-.1	-.9	-2.4	.0	-4.0	.7	9.5	.0	90.8	72.8	393.7	230.1
445.0	309.9	-17.5	6.0	-.7	-.1	-.8	-2.5	.0	-4.4	.8	9.8	.0	92.8	74.4	402.7	235.6
455.0	318.1	-17.9	6.2	-.7	-.1	-.3	-2.6	.0	-4.9	.9	10.2	.0	94.9	76.0	413.0	242.0
465.0	327.6	-18.2	6.5	-.7	-.1	-.8	-2.7	.0	-5.5	1.0	10.6	.0	97.3	77.9	424.9	249.8
475.0	338.9	-18.6	6.8	-.7	-.2	-.8	-2.8	.0	-6.3	1.2	11.1	.0	99.7	79.9	438.6	259.1
485.0	352.3	-18.8	7.1	-.8	-.3	-.9	-2.9	.0	-7.3	1.4	11.6	.0	102.1	82.0	454.9	270.3
495.0	368.1	-19.0	7.5	-.9	-.6	-1.0	-3.0	.0	-8.5	1.6	12.1	.0	104.5	84.2	472.6	283.9
505.0	386.6	-19.0	8.0	-.9	-.9	-1.1	-3.1	.0	-9.9	1.9	12.5	.0	106.9	86.3	493.5	300.3
515.0	408.3	-18.9	8.5	-1.1	-1.3	-1.2	-3.2	.0	-11.7	2.2	13.0	.0	109.3	88.4	517.6	319.9
525.0	433.6	-18.5	9.1	-1.2	-1.9	-1.3	-3.3	.0	-13.7	2.6	13.5	.0	111.5	90.5	545.2	343.1
535.0	463.0	-18.0	9.8	-1.5	-2.6	-1.5	-3.3	.0	-16.0	3.1	14.0	.0	113.6	92.5	576.6	370.5
545.0	496.0	-17.2	10.6	-1.7	-3.4	-1.8	-3.4	.0	-18.6	3.6	14.5	.0	115.5	94.4	612.2	402.4
555.0	535.2	-16.2	11.5	-2.0	-4.4	-2.0	-3.4	.0	-21.5	4.2	14.9	.0	117.1	96.1	652.3	439.1
565.0	578.4	-15.1	12.4	-2.3	-5.4	-2.3	-3.4	.0	-24.5	4.8	15.3	.0	118.4	97.7	696.8	480.7

AERO/ENVIRON
AHI POS
ITML NOM VAL

AERO/ENVIRON

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	POS
50.0	1.6	-.0	.0	.0	.0	.0	.0	-.0	.3	.5	.7	2.2	.9
51.0	1.7	-.0	.0	.0	.0	.0	.0	-.0	.4	.6	.8	2.3	1.0
52.0	1.8	-.0	.0	.0	.0	.0	.0	-.0	.4	.6	.8	2.5	1.0
53.0	2.0	-.0	.0	.0	.0	.0	.0	-.0	.4	.7	.9	2.6	1.1
54.0	2.1	-.0	.0	.0	.0	.0	.0	-.0	.4	.7	.9	2.8	1.2
55.0	2.2	-.0	.0	.0	.0	.0	.0	-.0	.4	.7	.9	2.8	1.2
56.0	2.3	-.0	.0	.1	.0	.0	.0	-.1	.5	.8	.9	3.0	1.3
57.0	2.5	-.1	.0	.1	.0	.0	.0	-.1	.5	.8	1.0	3.1	1.4
58.0	2.6	-.1	.0	.1	.0	.0	.0	-.1	.5	.9	1.0	3.3	1.5
59.0	2.8	-.1	.0	.1	.0	.0	.0	-.1	.6	.9	1.1	3.5	1.6
60.0	2.9	-.1	.0	.1	.0	.0	.0	-.1	.6	1.0	1.1	3.8	1.7
61.0	3.1	-.1	.1	.1	.0	.0	.0	-.1	.6	1.1	1.1	4.0	1.8
62.0	3.3	-.1	.1	.1	-.0	-.0	.0	-.1	.6	1.2	1.2	4.3	1.9
63.0	3.5	-.1	.1	.1	-.0	-.0	.0	-.1	.7	1.3	1.2	4.5	2.1
64.0	3.7	-.1	.1	.1	-.0	-.0	.0	-.1	.7	1.4	1.3	4.9	2.2
65.0	4.0	-.1	.1	.2	-.0	-.0	.0	-.1	.7	1.5	1.3	5.2	2.4
66.0	4.3	-.1	.1	.2	-.0	-.0	.0	-.2	.7	1.6	1.4	5.6	2.6
67.0	4.6	-.2	.1	.2	-.0	-.0	.0	-.2	.7	1.8	1.5	6.1	2.8
68.0	5.0	-.2	.1	.2	-.0	-.0	.0	-.2	.7	1.9	1.6	6.5	3.0
69.0	5.4	-.2	.1	.2	-.0	-.0	.0	-.2	.7	2.1	1.7	7.1	3.3
70.0	5.8	-.2	.1	.3	-.0	-.0	.0	-.3	.7	2.3	1.8	7.7	3.6
71.0	6.3	-.2	.1	.3	-.0	-.0	.0	-.3	.7	2.5	2.0	8.3	3.9
72.0	6.9	-.3	.2	.4	-.0	-.0	.0	-.3	.7	2.7	2.1	9.0	4.2
73.0	7.5	-.3	.2	.4	-.0	-.0	.0	-.4	.6	3.0	2.3	9.8	4.6
74.0	8.1	-.3	.2	.4	-.0	-.0	.0	-.4	.6	3.2	2.5	10.7	5.0
75.0	8.8	-.3	.2	.5	-.0	-.0	.0	-.4	.6	3.5	2.7	11.6	5.4
76.0	9.6	-.4	.2	.6	-.0	-.0	.0	-.5	.5	3.8	2.9	12.7	5.9
77.0	10.5	-.4	.3	.6	-.0	-.0	.0	-.5	.5	4.1	3.2	13.8	6.4
78.0	11.4	-.4	.3	.7	-.1	-.0	.0	-.6	.5	4.5	3.5	15.0	7.0
79.0	12.4	-.5	.3	.8	-.1	-.0	.0	-.6	.5	4.9	3.8	16.3	7.7
80.0	13.5	-.5	.4	.9	-.1	-.0	.0	-.6	.5	5.2	4.1	17.7	8.4
81.0	14.7	-.6	.4	.9	-.1	-.0	.0	-.7	.5	5.6	4.4	19.2	9.1
82.0	16.0	-.6	.5	1.0	-.1	-.0	.0	-.8	.4	6.0	4.8	20.7	10.0
83.0	17.4	-.6	.5	1.1	-.1	-.0	.0	-.8	.4	6.4	5.1	22.4	10.9
84.0	18.8	-.7	.5	1.3	-.1	-.0	.0	-.8	.4	6.8	5.5	24.2	11.8
85.0	20.3	-.7	.6	1.4	-.1	-.0	.0	-.9	.4	7.2	5.9	26.0	12.9
86.0	21.9	-.9	.7	1.5	-.1	-.0	.0	-1.0	.4	7.7	6.3	28.0	14.0
87.0	23.6	-.8	.7	1.7	-.1	-.0	.0	-1.1	.3	8.1	6.7	30.0	15.2
88.0	25.4	-.9	.8	1.8	-.1	-.0	.0	-1.1	.3	8.6	7.1	32.2	16.5
89.0	27.3	-.9	.8	2.0	-.1	-.0	.0	-1.1	.3	9.0	7.5	34.4	17.9
90.0	29.3	-1.0	.9	2.1	-.1	-.0	.0	-1.2	.3	9.5	7.9	36.8	19.3
91.0	31.3	-1.0	1.0	2.3	-.1	-.0	.0	-1.3	.2	10.0	8.4	39.2	20.9
92.0	33.5	-1.1	1.1	2.5	-.1	-.0	.0	-1.4	.2	10.4	8.9	41.8	22.5
93.0	35.7	-1.2	1.2	2.7	-.2	-.0	.0	-1.4	.2	10.9	9.3	44.4	24.2
94.0	38.1	-1.2	1.3	2.9	-.2	-.0	.0	-1.5	.1	11.4	9.8	47.1	25.9
95.0	40.5	-1.3	1.4	3.2	-.2	-.1	.0	-1.5	.1	11.9	10.3	49.9	27.6
96.0	43.0	-1.3	1.5	3.4	-.2	-.1	.0	-1.6	.0	12.3	10.7	52.8	29.8
97.0	45.6	-1.4	1.6	3.6	-.2	-.1	.0	-1.6	-.1	12.8	11.2	55.8	31.8
98.0	48.3	-1.4	1.7	3.9	-.2	-.1	.0	-1.7	-.1	13.3	11.7	58.9	33.9
99.0	51.0	-1.5	1.8	4.2	-.2	-.1	.0	-1.7	-.2	13.7	12.2	62.0	36.1
										14.2	12.7	65.2	38.4

AERO/ENVTRON

TIME	NOM VAL	1	2	3	4	5	6	7	8	AMI	NEG
50.0	1.6	.0	-.0	-.0	.0	.0	.0	.0	-.6	.5	.7	2.2	.9
51.0	1.7	.0	-.0	-.0	.0	.0	.0	.0	-.7	.5	.8	2.3	1.0
52.0	1.8	.0	-.0	-.0	.0	.0	.0	.0	-.7	.6	.8	2.5	1.0
53.0	2.0	.0	-.0	-.0	.0	.0	.0	.0	-.7	.7	.9	2.6	1.1
54.0	2.1	.0	-.0	-.0	.0	.0	.0	.0	-.8	.7	.9	2.8	1.2
55.0	2.2	.0	-.0	-.0	.0	.0	.0	.1	-.8	.8	.9	3.0	1.3
56.0	2.3	.0	-.0	-.1	.0	.0	.0	.1	-.8	.8	1.0	3.1	1.4
57.0	2.5	.1	-.0	-.1	.0	.0	.0	.1	-.9	.9	1.0	3.3	1.5
58.0	2.6	.1	-.0	-.1	.0	.0	.0	.1	-.9	.9	1.1	3.5	1.6
59.0	2.8	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.0	1.1	3.8	1.7
60.0	2.9	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.1	1.1	4.0	1.8
61.0	3.1	.1	-.0	-.1	.0	.0	.0	.1	-.9	1.2	1.2	4.3	1.9
62.0	3.2	.1	-.1	-.1	.0	.0	.0	.1	-.9	1.3	1.2	4.5	2.1
63.0	3.5	.1	-.1	-.1	.0	.0	.0	.1	-.9	1.4	1.3	4.9	2.2
64.0	3.7	.1	-.1	-.1	.0	.0	.0	.2	-.9	1.5	1.3	5.2	2.4
65.0	4.0	.1	-.1	-.1	.0	.0	.0	.2	-.9	1.6	1.4	5.6	2.6
66.0	4.3	.1	-.1	-.2	.0	.0	.0	.2	-.9	1.8	1.5	6.1	2.8
67.0	4.6	.2	-.1	-.2	.0	.0	.0	.2	-.9	1.9	1.6	6.5	3.0
68.0	5.0	.2	-.1	-.2	.0	.0	.0	.2	-.9	2.1	1.7	7.1	3.3
69.0	5.4	.2	-.1	-.2	.0	.0	.0	.3	-.9	2.3	1.8	7.7	3.6
70.0	5.8	.2	-.1	-.3	.0	.0	.0	.3	-.9	2.5	2.0	8.3	3.9
71.0	6.3	.2	-.1	-.3	.0	.0	.0	.3	-.9	2.7	2.1	9.0	4.2
72.0	6.9	.3	-.2	-.3	.0	.0	-.0	.4	-.8	3.0	2.3	9.8	4.6
73.0	7.5	.3	-.2	-.4	.0	.0	-.0	.4	-.8	3.2	2.5	10.7	5.0
74.0	8.1	.3	-.2	-.4	.0	.0	-.0	.4	-.8	3.5	2.7	11.6	5.4
75.0	8.8	.4	-.2	-.5	.0	.0	-.0	.5	-.8	3.8	2.9	12.7	5.9
76.0	9.6	.4	-.2	-.5	.0	.0	-.0	.5	-.8	4.1	3.2	13.8	6.4
77.0	10.5	.4	-.3	-.6	.0	.0	-.0	.6	-.8	4.5	3.5	15.0	7.0
78.0	11.4	.5	-.3	-.6	.0	.0	-.0	.6	-.8	4.9	3.8	16.3	7.7
79.0	12.4	.5	-.3	-.7	.0	.0	-.0	.7	-.7	5.2	4.1	17.7	8.4
80.0	13.5	.5	-.3	-.8	.0	.0	-.0	.7	-.7	5.6	4.4	19.2	9.1
81.0	14.7	.6	-.4	-.8	.0	.0	-.0	.8	-.7	6.0	4.8	20.7	10.0
82.0	16.0	.6	-.4	-.9	.0	.0	-.0	.8	-.7	6.4	5.1	22.4	10.9
83.0	17.4	.7	-.4	-1.0	.0	.0	-.0	.9	-.7	6.8	5.5	24.2	11.8
84.0	18.8	.7	-.5	-1.1	.0	.0	-.0	.9	-.7	7.2	5.9	26.0	12.9
85.0	20.4	.8	-.5	-1.3	.0	.0	-.0	1.0	-.7	7.7	6.3	28.0	14.0
86.0	21.9	.8	-.6	-1.4	.1	.0	-.0	1.0	-.7	8.1	6.7	30.0	15.2
87.0	23.6	.9	-.6	-1.5	.1	.0	-.0	1.1	-.7	8.6	7.1	32.2	16.5
88.0	25.4	.9	-.7	-1.6	.1	.0	-.0	1.1	-.7	9.0	7.5	34.4	17.9
89.0	27.3	1.0	-.8	-1.7	.1	.0	-.0	1.2	-.7	9.5	7.9	36.8	19.3
90.0	29.3	1.0	-.8	-1.9	.1	.0	-.0	1.3	-.7	10.0	8.4	39.2	20.9
91.0	31.3	1.1	-.9	-2.1	.1	.1	-.0	1.3	-.8	10.4	8.9	41.8	22.5
92.0	33.5	1.1	-1.0	-2.2	.1	.1	-.0	1.4	-.8	10.9	9.3	44.4	24.2
93.0	35.7	1.2	-1.1	-2.4	.1	.1	-.0	1.5	-.8	11.4	9.8	47.1	25.9
94.0	38.1	1.3	-1.1	-2.6	.1	.1	-.0	1.5	-.8	11.9	10.3	49.9	27.8
95.0	40.5	1.3	-1.2	-2.9	.1	.1	-.0	1.5	-.8	12.3	10.7	52.9	29.8
96.0	43.0	1.4	-1.3	-3.0	.1	.1	-.0	1.6	-.8	12.8	11.2	55.8	31.8
97.0	45.6	1.4	-1.4	-3.2	.1	.1	-.0	1.7	-.9	13.3	11.7	58.9	33.9
98.0	48.3	1.5	-1.5	-3.4	.1	.1	-.0	1.7	-.9	13.7	12.2	62.0	36.1
99.0	51.1	1.5	-1.6	-3.7	.1	.1	-.1	1.8	-.9	14.2	12.7	65.2	38.4

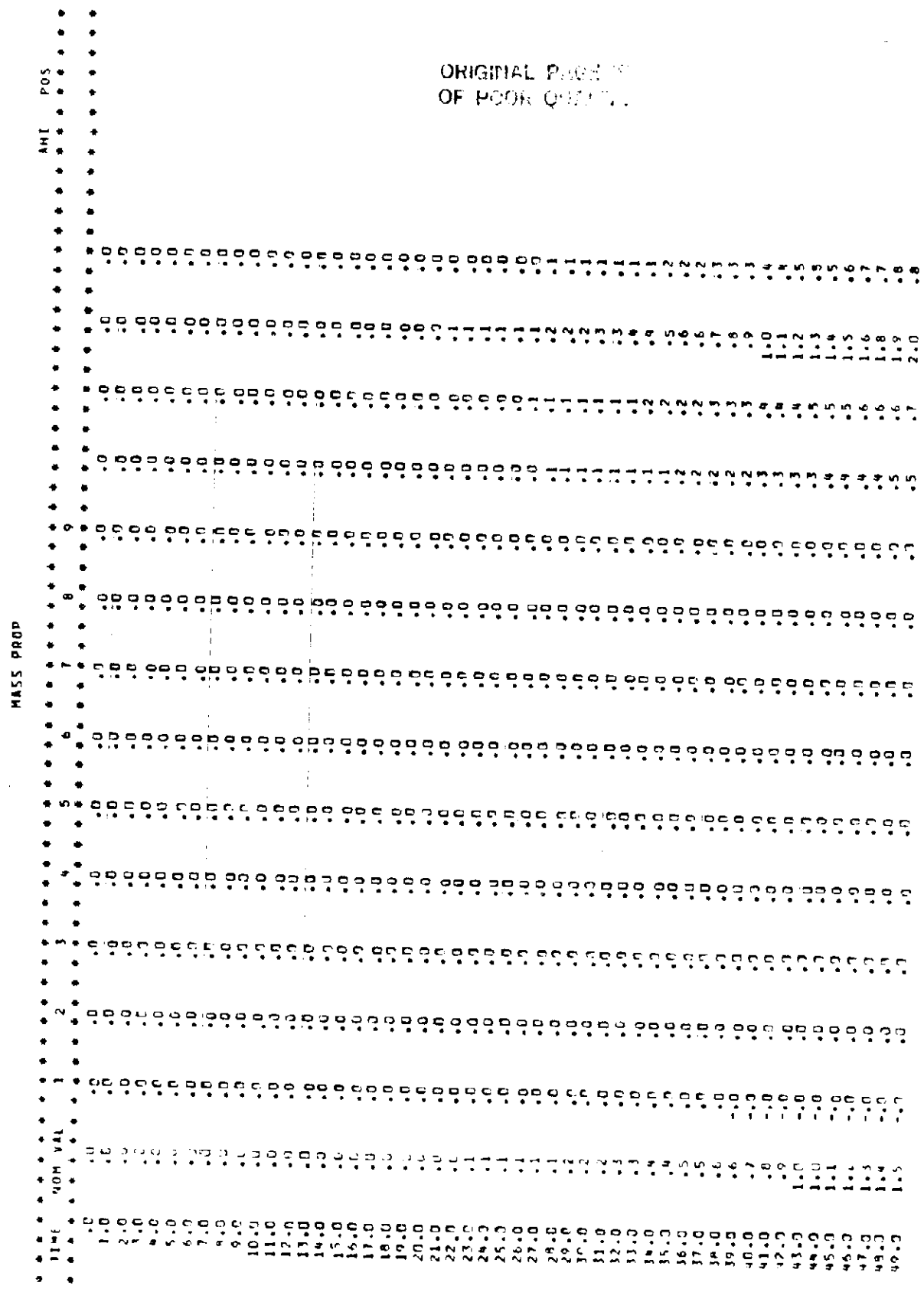
FEML	NOM VAL	1	2	3	4	5	6	7	8	AHI	POS		
100.0	53.9	-1.5	2.6	8.5	-.2	-.1	.0	-1.8	-.2	14.7	13.2	68.5	40.7
101.0	56.9	-1.6	2.1	8.8	-.3	-.1	.0	-1.8	-.3	15.1	13.6	71.9	43.1
102.0	59.7	-1.6	2.2	5.1	-.3	-.1	.1	-1.9	-.3	15.6	14.1	75.3	45.6
103.0	62.7	-1.7	2.4	5.4	-.3	-.1	.1	-1.9	-.4	16.0	14.5	78.8	48.2
104.0	65.6	-1.7	2.6	5.7	-.3	-.1	.1	-2.0	-.4	16.4	15.0	82.3	50.8
105.0	69.0	-1.8	2.7	6.1	-.3	-.1	.1	-2.0	-.4	16.9	15.5	85.9	53.5
106.0	72.2	-1.8	2.9	6.4	-.4	-.2	.1	-2.1	-.5	17.3	15.9	89.5	56.3
107.0	75.4	-1.8	3.1	6.8	-.4	-.2	.1	-2.1	-.5	17.8	16.4	93.2	59.1
108.0	78.6	-1.9	3.2	7.2	-.4	-.2	.1	-2.1	-.5	18.2	16.8	96.9	61.9
109.0	82.1	-1.9	3.4	7.6	-.4	-.2	.1	-2.2	-.6	18.6	17.3	100.7	64.8
110.0	85.5	-2.0	3.6	8.0	-.4	-.2	.1	-2.2	-.6	18.9	17.7	104.4	67.8
111.0	88.9	-2.0	3.8	8.4	-.5	-.3	.1	-2.3	-.6	19.3	18.2	108.1	70.8
112.0	92.4	-2.0	4.0	8.8	-.5	-.3	.1	-2.3	-.6	19.5	18.6	111.7	73.8
113.0	95.9	-2.1	4.2	9.3	-.5	-.3	.1	-2.3	-.6	19.5	19.0	115.4	76.9
114.0	99.3	-2.1	4.4	9.7	-.5	-.3	.1	-2.3	-.6	19.6	19.4	119.9	79.9
115.0	102.7	-2.1	4.6	10.1	-.5	-.4	.2	-2.4	-.6	19.8	19.7	122.5	83.0
116.0	106.0	-2.1	4.9	10.5	-.6	-.4	.2	-2.4	-.5	19.9	19.9	125.9	86.1
117.0	109.2	-2.2	5.1	11.0	-.6	-.4	.2	-2.4	-.5	20.1	20.1	129.3	89.1
118.0	112.3	-2.2	5.3	11.4	-.6	-.4	.2	-2.4	-.5	20.3	20.2	132.6	92.2
119.0	115.4	-2.2	5.5	11.9	-.6	-.4	.2	-2.5	-.4	20.5	20.3	135.9	95.1
120.0	118.4	-2.2	5.7	12.3	-.7	-.5	.2	-2.5	-.4	20.7	20.4	139.1	98.0
121.0	121.3	-2.3	5.9	12.7	-.7	-.5	.2	-2.5	-.3	20.9	20.6	142.2	100.7
122.0	124.1	-2.3	6.1	13.1	-.7	-.5	.2	-2.5	-.3	21.2	20.7	145.3	103.4
123.0	126.9	-2.3	6.3	13.5	-.7	-.5	.2	-2.6	-.2	21.4	20.9	148.3	106.0
124.0	129.5	-2.3	6.4	13.9	-.7	-.6	.2	-2.6	-.1	21.7	21.1	151.2	108.5
125.0	132.1	-2.4	6.6	14.3	-.8	-.6	.2	-2.6	-.0	22.0	21.3	154.1	110.8
126.0	134.6	-2.4	6.8	14.7	-.8	-.6	.3	-2.6	.0	22.3	21.6	156.9	113.0
127.0	137.0	-2.4	7.1	15.1	-.8	-.6	.3	-2.6	.1	22.7	21.7	159.7	115.2
128.0	139.3	-2.4	7.3	15.6	-.8	-.6	.3	-2.6	.2	23.2	21.9	162.5	117.4
129.0	141.5	-2.4	7.5	16.0	-.8	-.7	.3	-2.7	.3	23.6	22.1	165.1	119.4
130.0	143.7	-2.4	7.6	16.3	-.9	-.7	.3	-2.7	.3	23.9	22.3	167.7	121.4
131.0	145.9	-2.4	7.8	16.7	-.9	-.7	.3	-2.7	.4	24.3	22.6	170.2	123.3
132.0	148.0	-2.5	8.0	17.1	-.9	-.7	.3	-2.7	.5	24.7	22.9	172.7	125.1
133.0	150.1	-2.5	8.2	17.4	-.9	-.7	.3	-2.7	.6	25.1	23.2	175.1	126.9
134.0	152.1	-2.5	8.3	17.9	-.9	-.7	.3	-2.8	.7	25.5	23.5	177.6	128.6
135.0	154.1	-2.5	8.5	18.3	-.9	-.8	.3	-2.8	.8	25.9	23.8	179.9	130.2
145.0	171.8	-2.7	10.1	21.5	-1.1	-.9	.4	-3.0	2.1	30.0	27.3	201.8	144.6
155.0	186.5	-2.8	11.7	24.7	-1.3	-1.1	.4	-3.1	3.5	33.2	30.9	220.7	155.6
165.0	198.7	-2.9	13.2	27.9	-1.4	-1.2	.5	-3.2	4.9	36.4	34.5	237.1	164.2
175.0	209.0	-2.9	14.7	30.7	-1.5	-1.3	.5	-3.3	6.1	42.5	38.1	251.5	170.9
185.0	217.6	-2.9	16.0	33.5	-1.6	-1.4	.6	-3.3	7.1	46.5	41.5	264.1	176.1
195.0	224.8	-2.8	17.3	36.2	-1.7	-1.5	.6	-3.4	7.8	50.2	44.5	275.0	180.3
205.0	230.6	-2.8	18.6	38.7	-1.9	-1.6	.7	-3.3	8.1	53.8	47.4	284.7	183.5
215.0	235.6	-2.7	19.7	41.1	-1.9	-1.7	.7	-3.3	8.4	57.2	49.8	292.9	186.0
225.0	239.9	-2.7	20.7	43.3	-2.0	-1.8	.8	-3.3	8.5	60.2	51.8	300.1	188.1
235.0	243.4	-2.6	21.6	45.1	-2.1	-1.9	.8	-3.3	8.5	62.8	53.5	306.1	189.9
245.0	246.4	-2.6	22.3	46.7	-2.2	-1.9	.8	-3.3	8.4	65.0	54.9	311.4	191.6
255.0	249.2	-2.6	23.0	48.1	-2.2	-2.0	.8	-3.3	8.4	66.9	56.2	315.1	193.1
265.0	251.8	-2.6	23.6	49.4	-2.3	-2.0	.9	-3.3	8.3	68.6	57.3	320.4	194.5
275.0	254.1	-2.5	24.1	50.5	-2.3	-2.0	.9	-3.3	8.3	70.1	58.3	324.3	195.9

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	NEG			
100.0	53.7	1.6	-1.8	-3.9	.1	.1	-.1	1.8	-.9	14.7	13.2	68.5	40.7	
101.0	56.6	1.6	-1.9	-4.2	.2	.1	-.1	1.8	-1.0	15.1	13.6	71.9	43.1	
102.0	59.7	1.7	-2.0	-4.4	.2	.1	-.1	1.9	-1.0	15.6	14.1	75.3	45.6	
103.0	62.7	1.7	-2.1	-4.7	.2	.1	-.1	1.9	-1.0	16.0	14.5	78.8	48.2	
104.0	65.8	1.8	-2.3	-5.0	.2	.2	-.1	2.0	-1.1	16.4	15.0	82.3	50.8	
105.0	69.0	1.8	-2.4	-5.3	.2	.2	-.1	2.0	-1.1	16.9	15.5	85.9	53.5	
106.0	72.2	1.9	-2.6	-5.6	.2	.2	-.1	2.1	-1.2	17.3	15.9	89.5	56.3	
107.0	75.4	1.9	-2.7	-5.9	.2	.2	-.1	2.1	-1.3	17.8	16.4	93.2	59.1	
108.0	78.8	1.9	-2.9	-6.2	.2	.2	-.1	2.2	-1.3	18.2	16.8	96.9	61.9	
109.0	82.1	2.0	-3.0	-6.5	.3	.2	-.1	2.2	-1.4	18.6	17.3	100.7	64.8	
110.0	85.5	2.0	-3.2	-6.9	.3	.3	-.1	2.2	-1.5	18.9	17.7	104.4	67.8	
111.0	88.9	2.1	-3.4	-7.2	.3	.3	-.1	2.3	-1.6	19.1	18.2	108.1	70.8	
112.0	92.4	2.1	-3.6	-7.6	.3	.3	-.1	2.3	-1.8	19.3	18.6	111.7	73.8	
113.0	95.9	2.1	-3.8	-7.9	.3	.3	-.1	2.3	-1.9	19.5	19.0	115.4	76.9	
114.0	99.3	2.1	-3.9	-8.3	.3	.4	-.1	2.3	-2.0	19.6	19.4	118.9	79.9	
115.0	102.7	2.2	-4.1	-8.6	.3	.4	-.1	2.4	-2.2	19.8	19.7	122.5	83.0	
116.0	106.0	2.2	-4.3	-9.0	.4	.4	-.2	2.4	-2.3	19.9	19.9	125.9	86.1	
117.0	109.2	2.2	-4.5	-9.3	.4	.4	-.2	2.4	-2.5	20.1	20.1	129.3	89.1	
118.0	112.3	2.3	-4.7	-9.7	.4	.5	-.2	2.4	-2.6	20.3	20.2	132.6	92.2	
119.0	115.4	2.3	-4.8	-10.0	.4	.5	-.2	2.5	-2.8	20.5	20.3	135.9	95.1	
120.0	118.4	2.3	-5.0	-10.3	.4	.5	-.2	2.5	-2.9	20.7	20.4	139.1	98.0	
121.0	121.3	2.3	-5.2	-10.7	.4	.5	-.2	2.5	-3.1	20.9	20.6	142.2	100.7	
122.0	124.1	2.4	-5.3	-11.0	.4	.6	-.2	2.5	-3.2	21.2	20.7	145.3	103.4	
123.0	126.9	2.4	-5.5	-11.3	.5	.6	-.2	2.6	-3.4	21.4	20.9	148.3	106.0	
124.0	129.5	2.4	-5.7	-11.6	.5	.6	-.2	2.6	-3.6	21.7	21.1	151.2	108.5	
125.0	132.1	2.4	-5.9	-12.0	.5	.6	-.2	2.6	-3.7	22.0	21.3	154.1	110.8	
126.0	134.6	2.4	-6.1	-12.4	.5	.7	-.2	2.6	-3.9	22.3	21.6	156.9	113.0	
127.0	137.0	2.4	-6.2	-12.7	.5	.7	-.2	2.6	-4.1	22.7	21.7	159.7	115.2	
128.0	139.3	2.4	-6.4	-13.2	.5	.7	-.2	2.6	-4.2	23.2	21.9	162.5	117.4	
129.0	141.5	2.5	-6.5	-13.2	.5	.7	-.2	2.7	-4.4	23.6	22.1	165.1	119.4	
130.0	143.7	2.5	-6.7	-13.5	.6	.7	-.3	2.7	-4.6	23.9	22.3	167.7	121.4	
131.0	145.9	2.5	-6.8	-13.9	.6	.7	-.3	2.7	-4.7	24.3	22.6	170.2	123.3	
132.0	148.0	2.5	-7.0	-14.1	.6	.8	-.3	2.7	-4.9	24.7	22.9	172.7	125.1	
133.0	150.1	2.5	-7.1	-14.5	.6	.8	-.3	2.7	-5.1	25.1	23.2	175.1	126.9	
134.0	152.1	2.6	-7.3	-14.6	.6	.8	-.3	2.8	-5.2	25.5	23.5	177.6	128.6	
135.0	154.1	2.6	-7.4	-14.9	.6	.8	-.3	2.8	-5.4	25.9	23.8	179.9	130.2	
145.0	171.8	2.7	-8.8	-17.5	.7	1.0	-.3	3.0	-7.2	30.0	27.3	201.9	144.6	
155.0	186.5	2.8	-10.1	-19.9	.8	1.1	-.4	3.1	-8.1	34.2	30.9	220.7	155.6	
165.0	198.7	2.9	-11.4	-22.2	.9	1.2	-.4	3.2	-10.9	38.4	34.5	237.1	164.2	
175.0	209.0	2.9	-12.6	-24.4	1.0	1.3	-.5	3.3	-12.6	42.5	38.1	251.5	170.9	
185.0	217.6	2.9	-13.7	-26.3	1.1	1.5	-.5	3.4	-14.0	46.5	41.5	264.1	176.1	
195.0	224.8	2.9	-14.7	-28.1	1.2	1.6	-.5	3.4	-15.1	50.2	44.5	275.0	180.3	
205.0	230.8	2.9	-15.7	-29.7	1.2	1.7	-.6	3.4	-15.8	53.8	47.4	284.7	183.5	
215.0	235.6	2.8	-16.6	-31.4	1.3	1.7	-.6	3.4	-16.2	57.2	49.8	292.9	186.0	
225.0	239.9	2.8	-17.3	-32.6	1.4	1.8	-.6	3.4	-16.3	60.2	51.8	300.1	188.1	
235.0	243.4	2.8	-18.0	-33.7	1.4	1.9	-.7	3.4	-16.3	62.8	53.5	306.1	189.9	
245.0	246.4	2.7	-18.5	-34.6	1.4	1.9	-.7	3.4	-16.3	65.0	54.9	311.4	191.6	
255.0	248.8	2.7	-19.0	-35.4	1.5	2.0	-.7	3.4	-16.3	66.9	56.2	316.1	193.1	
265.0	251.0	2.7	-19.4	-36.1	1.5	2.0	-.7	3.4	-16.3	68.6	57.3	320.4	194.5	
275.0	254.1	2.7	-19.7	-36.7	1.5	2.1	-.7	3.4	-16.3	70.1	58.5	324.3	195.9	

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	POS		
285.0	256.3	-2.5	24.5	51.9	-2.3	-2.1	.9	-3.3	8.3	71.5	59.2	327.8	197.1
295.0	258.4	-2.5	24.9	52.3	-2.4	-2.1	.9	-3.3	8.3	72.7	60.0	331.1	198.4
305.0	260.4	-2.5	25.3	53.1	-2.4	-2.1	.9	-3.3	8.2	73.8	60.8	334.3	199.6
315.0	262.5	-2.5	25.7	53.9	-2.4	-2.2	.9	-3.3	8.2	75.0	61.6	337.4	200.9
325.0	264.5	-2.5	26.1	54.7	-2.5	-2.2	.9	-3.4	8.2	76.1	62.3	340.6	202.2
335.0	266.6	-2.5	26.4	55.5	-2.5	-2.2	1.0	-3.4	8.1	77.2	63.1	343.8	203.6
345.0	268.9	-2.5	26.8	56.3	-2.5	-2.2	1.0	-3.4	8.1	78.3	63.8	347.2	205.1
355.0	271.3	-2.5	27.2	57.1	-2.5	-2.3	1.0	-3.5	8.1	79.4	64.6	350.7	206.7
365.0	273.9	-2.5	27.5	57.9	-2.6	-2.3	1.0	-3.5	8.1	80.5	65.4	354.4	208.5
375.0	276.7	-2.5	27.9	58.8	-2.6	-2.3	1.0	-3.5	8.0	81.7	66.2	358.4	210.5
385.0	279.8	-2.5	28.4	59.7	-2.6	-2.4	1.0	-3.6	8.0	83.0	67.1	362.8	212.7
395.0	283.3	-2.5	28.8	60.6	-2.7	-2.4	1.0	-3.7	7.9	84.3	68.0	367.6	215.3
405.0	287.3	-2.5	29.3	61.7	-2.7	-2.4	1.1	-3.8	7.9	85.7	69.1	373.0	218.2
415.0	291.8	-2.5	29.8	62.8	-2.8	-2.5	1.1	-3.9	7.9	87.3	70.2	379.1	221.6
425.0	297.0	-2.5	30.3	64.0	-2.8	-2.5	1.1	-4.0	7.8	89.0	71.5	385.9	225.5
435.0	303.0	-2.6	30.9	65.3	-2.9	-2.6	1.1	-4.2	7.8	90.8	72.8	393.7	230.1
445.0	309.9	-2.6	31.6	66.7	-2.9	-2.6	1.1	-4.3	7.7	92.9	74.4	402.7	235.6
455.0	318.1	-2.7	32.3	68.2	-3.0	-2.7	1.2	-4.6	7.6	94.9	76.0	413.0	242.0
465.0	327.6	-2.8	33.0	69.8	-3.1	-2.7	1.2	-4.9	7.6	97.3	77.9	424.9	249.8
475.0	338.9	-2.8	33.8	71.5	-3.1	-2.8	1.2	-5.2	7.5	99.7	79.9	438.6	259.1
485.0	352.3	-3.0	34.5	73.1	-3.2	-2.9	1.3	-5.6	7.4	102.1	82.0	454.4	270.3
495.0	368.1	-3.1	35.2	74.5	-3.3	-3.0	1.3	-6.2	7.3	104.5	84.2	472.6	283.9
505.0	386.6	-3.3	35.9	76.3	-3.4	-3.0	1.3	-6.8	7.2	106.9	86.3	493.5	300.3
515.0	408.3	-3.6	36.5	77.9	-3.4	-3.1	1.4	-7.5	7.1	109.3	88.4	517.6	319.9
525.0	433.6	-3.9	36.9	79.2	-3.5	-3.2	1.4	-8.3	7.0	111.5	90.5	545.2	343.1
535.0	463.0	-4.3	37.2	80.3	-3.5	-3.2	1.4	-9.2	6.9	113.6	92.5	575.6	370.5
545.0	496.8	-4.7	37.4	81.1	-3.6	-3.3	1.4	-10.1	6.8	115.5	94.4	612.2	402.4
555.0	535.2	-5.2	37.3	81.6	-3.6	-3.3	1.4	-11.2	6.7	117.1	96.1	652.3	439.1
565.0	578.4	-5.7	37.0	81.8	-3.6	-3.3	1.4	-12.2	6.6	118.4	97.7	695.8	480.7

AERO/ENVIRON

TIME	NOM VAL	1	2	3	4	5	6	7	8	AMI	NEG		
285.0	256.3	2.7	-20.1	-37.3	1.6	2.1	-.7	3.5	-16.3	71.5	59.2	327.8	197.1
295.0	258.4	2.7	-20.4	-37.8	1.6	2.1	-.7	3.5	-16.3	72.7	60.0	331.1	198.4
305.0	260.4	2.7	-20.7	-38.3	1.6	2.2	-.8	3.5	-16.3	73.8	60.8	334.3	199.6
315.0	262.5	2.7	-21.0	-38.8	1.6	2.2	-.8	3.5	-16.3	75.0	61.6	337.4	200.9
325.0	264.5	2.7	-21.2	-39.3	1.6	2.2	-.8	3.5	-16.3	76.1	62.3	340.6	202.2
335.0	266.6	2.7	-21.5	-39.7	1.7	2.3	-.8	3.6	-16.3	77.2	63.1	343.8	203.6
345.0	268.9	2.7	-21.8	-40.2	1.7	2.3	-.8	3.6	-16.3	78.3	63.8	347.2	205.1
355.0	271.3	2.7	-22.0	-40.7	1.7	2.3	-.8	3.6	-16.3	79.4	64.6	350.7	206.7
365.0	273.9	2.7	-22.3	-41.2	1.7	2.4	-.8	3.7	-16.3	80.5	65.4	354.4	208.5
375.0	276.7	2.7	-22.6	-41.7	1.8	2.4	-.8	3.8	-16.2	81.7	66.2	358.4	210.5
385.0	279.6	2.7	-22.9	-42.3	1.8	2.4	-.8	3.8	-16.2	83.0	67.1	362.8	212.7
395.0	283.3	2.7	-23.3	-42.9	1.8	2.5	-.8	3.9	-16.2	84.3	68.0	367.6	215.3
405.0	287.3	2.7	-23.6	-43.5	1.8	2.5	-.9	4.0	-16.2	85.7	69.1	373.0	218.2
415.0	291.8	2.8	-24.0	-44.2	1.9	2.5	-.9	4.1	-16.2	87.3	70.2	379.1	221.6
425.0	297.0	2.8	-24.5	-45.0	1.9	2.6	-.9	4.3	-16.1	89.0	71.5	385.9	225.5
435.0	303.	2.8	-24.9	-45.9	1.9	2.6	-.9	4.4	-16.1	90.8	72.8	393.7	230.1
445.0	309.9	2.9	-25.4	-46.9	2.0	2.7	-.9	4.7	-16.0	92.8	74.4	402.7	235.6
455.0	318.1	2.9	-26.0	-47.9	2.0	2.8	-.9	4.9	-16.0	94.9	76.0	413.0	242.0
465.0	327.6	3.0	-26.6	-49.1	2.1	2.8	-1.0	5.2	-15.9	97.3	77.9	424.9	249.8
475.0	338.9	3.1	-27.2	-50.6	2.1	2.9	-1.0	5.5	-15.9	99.7	79.9	438.6	259.1
485.0	352.3	3.3	-27.9	-51.9	2.2	3.0	-1.0	6.1	-15.8	102.1	82.0	454.4	270.3
495.0	368.1	3.5	-28.5	-53.2	2.2	3.0	-1.0	6.6	-15.6	104.5	84.2	472.6	283.9
505.0	386.6	3.7	-29.1	-54.5	2.3	3.1	-1.0	7.3	-15.5	106.9	86.3	493.5	300.3
515.0	408.1	4.0	-29.6	-55.8	2.3	3.2	-1.1	8.0	-15.3	109.3	88.4	517.6	319.9
525.0	433.6	4.3	-30.0	-57.0	2.3	3.2	-1.1	8.9	-15.2	111.5	90.5	545.2	343.1
535.0	463.1	4.7	-30.3	-58.1	2.4	3.2	-1.1	9.8	-14.9	113.6	92.5	576.6	370.5
545.0	496.8	5.1	-30.4	-58.9	2.4	3.2	-1.1	10.9	-14.7	115.6	94.4	612.2	402.4
555.0	535.2	5.6	-30.3	-59.6	2.4	3.2	-1.1	11.9	-14.5	117.1	96.1	652.3	439.1
565.0	578.4	6.1	-30.1	-60.0	2.4	3.2	-1.1	12.9	-14.2	118.4	97.7	696.8	480.7



MASS PROP

AHI POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	1.6	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	2.2	.9
51.0	1.7	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.3	1.0
52.0	1.8	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.5	1.0
53.0	2.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	3.0	1.3
56.0	2.3	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	3.1	1.4
57.0	2.5	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	3.3	1.5
58.0	2.6	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	3.5	1.6
59.0	2.8	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	2.9	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	4.0	1.8
61.0	3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	4.3	1.9
62.0	3.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	4.5	2.1
63.0	3.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.3	4.9	2.2
64.0	3.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.3	5.2	2.4
65.0	4.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.4	5.6	2.6
66.0	4.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.5	6.1	2.8
67.0	4.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	6.5	3.0
69.0	5.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	7.1	3.3
69.0	5.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	1.8	7.7	3.6
70.0	5.8	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.5	2.0	8.3	3.9
71.0	6.3	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.7	2.1	9.0	4.2
72.0	6.9	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.0	2.3	9.8	4.6
73.0	7.5	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.2	2.5	10.7	5.0
74.0	8.1	-.2	.1	.0	.0	.0	.0	.0	.0	.0	3.5	2.7	11.6	5.4
75.0	8.8	-.2	.1	.0	.0	.0	.0	.0	.0	.0	3.8	2.9	12.7	5.9
76.0	9.6	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.1	3.2	13.8	6.4
77.0	10.5	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.5	3.5	15.0	7.0
78.0	11.4	-.2	.1	.0	.0	.0	.0	.0	.0	.0	4.9	3.8	16.3	7.7
79.0	12.4	-.2	.1	.0	.0	.0	.0	.0	.0	.0	5.2	4.1	17.7	8.4
80.0	13.5	-.3	.1	.0	.0	.0	.0	.0	.0	.0	5.6	4.4	19.2	9.1
81.0	14.7	-.3	.1	.0	.0	.0	.0	.0	.0	.0	6.0	4.8	20.7	10.0
82.0	16.0	-.3	.1	.0	.0	.0	.0	.0	.0	.0	6.4	5.1	22.4	10.9
83.0	17.4	-.3	.1	.0	.0	.0	.0	.0	.0	.0	6.8	5.5	24.2	11.8
84.0	18.8	-.3	.2	.0	.0	.0	.0	.0	.0	.0	7.2	5.9	26.0	12.9
85.0	20.3	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	7.7	6.3	28.0	14.0
86.0	21.9	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	8.1	6.7	30.0	15.2
87.0	23.6	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	8.6	7.1	32.2	16.5
88.0	25.4	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	9.0	7.5	34.4	17.9
89.0	27.3	-.4	.2	.0	.0	.0	.0	-.0	.0	.0	9.5	7.9	36.8	19.3
90.0	29.3	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	10.0	8.4	39.2	20.9
91.0	31.3	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	10.4	8.9	41.8	22.5
92.0	33.5	-.5	.2	.0	.0	.0	.0	-.0	.0	.0	10.9	9.3	44.4	24.2
93.0	35.7	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	11.4	9.8	47.1	25.9
94.0	38.1	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	11.9	10.3	49.9	27.8
95.0	40.5	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	12.3	10.7	52.8	29.8
96.0	43.1	-.6	.3	.0	.0	.0	.0	-.0	.0	.0	12.8	11.2	55.8	31.8
97.0	45.6	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	13.3	11.7	58.9	33.9
98.0	48.3	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	13.7	12.2	62.0	36.1
99.0	51.1	-.7	.3	.1	.0	.0	.0	-.0	.0	.0	14.2	12.7	65.2	38.4

MASS PROP

AHI POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	53.7	-.7	.3	.0	.0	.0	.0	-.0	.0	.0	14.7	13.2	68.5	40.7
101.0	56.8	-.8	.3	.0	.0	.0	.0	-.0	.0	.0	15.1	13.6	71.9	43.1
102.0	59.7	-.8	.4	.0	.0	.0	.0	-.0	.0	.0	15.6	14.1	75.3	45.6
103.0	62.7	-.8	.4	.0	.0	.0	.0	-.0	.0	.0	16.0	14.5	78.8	48.2
104.0	65.6	-.9	.4	.0	.0	.0	.0	-.1	.0	.0	16.4	15.0	82.3	50.8
105.0	69.0	-.9	.4	.0	.0	.0	.0	-.1	.0	.0	16.9	15.5	85.9	53.5
106.0	72.2	-.9	.4	.0	.0	.0	.0	-.1	.0	.0	17.3	15.9	89.5	56.3
107.0	75.4	-.9	.4	.0	.0	.0	.0	-.1	.0	.0	17.8	16.4	93.2	59.1
108.0	78.8	-1.0	.4	.0	.0	.1	.0	-.1	.0	.0	18.2	16.8	96.9	61.9
109.0	82.1	-1.0	.4	.0	.0	.1	.0	-.1	.0	.0	18.6	17.3	100.7	64.8
110.0	85.5	-1.0	.4	.0	.0	.1	.0	-.1	.0	.0	18.9	17.7	104.4	67.8
111.0	88.9	-1.0	.5	.0	.0	.1	.0	-.1	.0	.0	19.1	18.2	108.1	70.8
112.0	92.4	-1.1	.5	.0	.0	.1	.0	-.1	.0	.0	19.3	18.6	111.7	73.8
113.0	95.9	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	19.5	19.0	115.4	76.9
114.0	99.3	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	19.6	19.4	118.9	79.9
115.0	102.7	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	19.8	19.7	122.5	83.0
116.0	106.0	-1.1	.5	.0	.0	.1	.1	-.1	.0	.0	19.9	19.9	125.9	86.1
117.0	109.2	-1.2	.5	.0	.0	.1	.1	-.1	.0	.0	20.1	20.1	129.3	89.1
118.0	112.3	-1.2	.5	.0	.0	.1	.1	-.1	.0	.0	20.3	20.2	132.6	92.2
119.0	115.4	-1.2	.5	.0	.0	.1	.1	-.1	.0	.0	20.5	20.3	135.9	95.1
120.0	118.4	-1.2	.5	.0	.0	.1	.1	-.1	.0	.0	20.7	20.4	139.1	98.0
121.0	121.3	-1.2	.5	.0	.0	.1	.1	-.1	.0	.0	20.9	20.6	142.2	100.7
122.0	124.1	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	21.2	20.7	145.3	103.4
123.0	126.9	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	21.4	20.9	148.3	106.0
124.0	129.5	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	21.7	21.1	151.2	108.5
125.0	132.1	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	22.0	21.3	154.1	110.8
126.0	134.6	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	22.3	21.6	156.9	113.0
127.0	137.0	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	22.7	21.7	159.7	115.2
128.0	139.3	-1.3	.6	.0	.0	.1	.1	-.2	.0	.0	23.2	21.9	162.5	117.4
129.0	141.5	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	23.6	22.1	165.1	119.4
130.0	143.7	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	23.9	22.3	167.7	121.4
131.0	145.9	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	24.3	22.6	170.2	123.3
132.0	148.0	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	24.7	22.9	172.7	125.1
133.0	150.1	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	25.1	23.2	175.1	126.9
134.0	152.1	-1.4	.6	.0	.0	.1	.1	-.2	.0	.0	25.5	23.5	177.6	128.6
135.0	154.1	-1.5	.6	.0	.0	.1	.1	-.2	.0	.0	25.9	23.8	179.9	130.2
145.0	171.0	-1.6	.7	.0	.0	.2	.1	-.3	.0	.0	30.0	27.3	201.8	144.6
155.0	186.5	-1.7	.7	.0	.0	.2	.1	-.4	.0	.0	34.2	30.9	220.7	155.6
165.0	198.7	-1.8	.8	.0	.0	.2	.1	-.5	.0	.0	38.4	34.5	237.1	164.2
175.0	209.3	-1.9	.8	.0	.0	.3	.1	-.5	.0	.0	42.5	38.1	251.5	170.9
185.0	217.6	-1.9	.8	.0	.0	.3	.1	-.6	.0	.0	46.5	41.5	264.1	176.1
195.0	224.9	-2.0	.8	.0	.0	.3	.1	-.6	.0	.0	50.2	44.5	275.0	180.3
205.0	230.6	-2.0	.8	.0	.0	.4	.1	-.7	.0	.0	53.8	47.4	284.7	183.5
215.0	235.8	-2.0	.8	.0	.0	.4	.1	-.7	.0	.0	57.2	49.8	292.9	185.0
225.0	239.9	-1.9	.8	.0	.0	.4	.2	-.8	.0	.0	60.2	51.8	300.1	188.1
235.0	243.4	-1.9	.8	.0	.0	.4	.2	-.8	.0	.0	62.8	53.5	306.1	189.9
245.0	246.4	-1.9	.8	.0	.0	.5	.2	-.9	.0	.0	65.0	54.9	311.4	191.6
255.0	249.2	-1.9	.8	.0	.0	.5	.2	-.9	.0	.0	66.9	56.2	316.1	193.1
265.0	251.8	-2.0	.8	.0	.0	.5	.2	-.9	.0	.0	68.6	57.3	320.4	194.5
275.0	254.1	-2.0	.8	.0	.0	.5	.2	-.9	.0	.0	70.1	58.3	324.3	195.9

MASS PROP

AHI NEG

TIME	MOM VAL	1	2	3	4	5	6	7	8	9				
100.0	53.9	.8	-.3	.0	.0	-.0	-.9	.0	.0	.0	14.7	13.2	68.5	40.7
101.0	56.6	.8	-.3	.0	.0	-.0	-1.0	.0	.0	.0	15.1	13.6	71.9	43.1
102.0	59.7	.8	-.3	.0	.0	-.0	-1.0	.0	.0	.0	15.6	14.1	75.3	45.6
103.0	62.9	.9	-.4	.0	.0	-.0	-1.1	.0	.0	.0	16.0	14.5	78.8	48.2
104.0	65.8	.9	-.4	.0	.0	-.0	-1.1	.0	.0	.0	16.4	15.0	82.3	50.8
105.0	69.0	.9	-.4	.0	.0	-.0	-1.2	.0	.0	.0	16.9	15.5	85.9	53.5
106.0	72.2	.9	-.4	.0	.0	-.0	-1.2	.1	.0	.0	17.3	15.9	89.5	56.3
107.0	75.4	1.0	-.4	.0	.0	-.0	-1.3	.1	.0	.0	17.8	16.4	93.2	59.1
108.0	78.8	1.0	-.4	.0	.0	-.0	-1.3	.1	.0	.0	18.2	16.8	96.9	61.9
109.0	82.1	1.0	-.4	.0	.0	-.1	-1.4	.1	.0	.0	18.6	17.3	100.7	64.8
110.0	85.5	1.0	-.4	.0	.0	-.1	-1.4	.1	.0	.0	18.9	17.7	104.4	67.8
111.0	88.9	1.1	-.4	.0	.0	-.1	-1.5	.1	.0	.0	19.1	18.2	108.1	70.8
112.0	92.4	1.1	-.4	.0	.0	-.1	-1.5	.1	.0	.0	19.3	18.6	111.7	73.8
113.0	95.9	1.1	-.5	.0	.0	-.1	-1.6	.1	.0	.0	19.5	19.0	115.4	76.9
114.0	99.3	1.1	-.5	.0	.0	-.1	-1.6	.1	.0	.0	19.6	19.4	118.9	79.9
115.0	102.7	1.2	-.5	.0	.0	-.1	-1.7	.1	.0	.0	19.8	19.7	122.5	83.0
116.0	106.0	1.2	-.5	.0	.0	-.1	-1.7	.1	.0	.0	19.9	19.9	125.9	86.1
117.0	109.2	1.2	-.5	.0	.0	-.1	-1.8	.1	.0	.0	20.1	20.1	129.3	89.1
118.0	112.3	1.2	-.5	.0	.0	-.1	-1.8	.1	.0	.0	20.3	20.2	132.6	92.2
119.0	115.4	1.2	-.5	.0	.0	-.1	-1.9	.1	.0	.0	20.5	20.3	135.9	95.1
120.0	118.4	1.3	-.5	.0	.0	-.1	-1.9	.1	.0	.0	20.7	20.4	139.1	98.0
121.0	121.3	1.3	-.5	.0	.0	-.1	-1.9	.1	.0	.0	20.9	20.6	142.2	100.7
122.0	124.1	1.3	-.5	.0	.0	-.1	-2.0	.1	.0	.0	21.2	20.7	145.3	103.4
123.0	126.9	1.3	-.5	.0	.0	-.1	-2.0	.1	.0	.0	21.4	20.9	148.3	106.0
124.0	129.5	1.3	-.5	.0	.0	-.1	-2.1	.2	.0	.0	21.7	21.1	151.2	108.5
125.0	132.1	1.4	-.6	.0	.0	-.1	-2.1	.2	.0	.0	22.0	21.3	154.1	110.8
126.0	134.6	1.4	-.6	.0	.0	-.1	-2.1	.2	.0	.0	22.3	21.6	156.9	113.0
127.0	137.0	1.4	-.6	.0	.0	-.1	-2.2	.2	.0	.0	22.7	21.7	159.7	115.2
128.0	139.3	1.4	-.6	.0	.0	-.1	-2.2	.2	.0	.0	23.2	21.9	162.5	117.4
129.0	141.5	1.4	-.6	.0	.0	-.1	-2.3	.2	.0	.0	23.6	22.1	165.1	119.4
130.0	143.7	1.4	-.6	.0	.0	-.1	-2.3	.2	.0	.0	23.9	22.3	167.7	121.4
131.0	145.9	1.4	-.6	.0	.0	-.1	-2.3	.2	.0	.0	24.3	22.6	170.2	123.3
132.0	148.0	1.4	-.6	.0	.0	-.1	-2.4	.2	.0	.0	24.7	22.9	172.7	125.1
133.0	150.1	1.5	-.6	.0	.0	-.1	-2.4	.2	.0	.0	25.1	23.2	175.1	126.9
134.0	152.1	1.5	-.6	.0	.0	-.1	-2.4	.2	.0	.0	25.5	23.5	177.6	128.6
135.0	154.1	1.5	-.6	.0	.0	-.1	-2.5	.2	.0	.0	25.9	23.8	179.9	130.2
145.0	171.8	1.6	-.7	.0	.0	-.2	-2.8	.3	.0	.0	30.0	27.3	201.8	144.6
155.0	186.5	1.8	-.7	.0	.0	-.2	-3.1	.4	.0	.0	34.2	30.9	220.7	155.6
165.0	198.7	1.9	-.7	.0	.0	-.2	-3.3	.4	.0	.0	38.4	34.5	237.1	164.2
175.0	209.0	1.9	-.7	.0	.0	-.3	-3.6	.5	.0	.0	42.5	38.1	251.5	173.9
185.0	217.6	2.0	-.8	.0	.0	-.3	-3.8	.5	.0	.0	46.5	41.5	264.1	176.1
195.0	224.8	2.0	-.8	.0	.0	-.3	-4.0	.6	.0	.0	50.2	44.5	275.0	180.3
205.0	230.6	2.0	-.8	.0	.0	-.4	-4.1	.7	.0	.0	53.8	47.4	284.7	183.5
215.0	235.6	2.0	-.8	.0	.0	-.4	-4.3	.7	.0	.0	57.2	49.8	293.9	186.0
225.0	239.9	2.0	-.8	.0	.0	-.4	-4.4	.8	.0	.0	60.2	51.8	300.1	188.1
235.0	243.4	2.0	-.8	.0	.0	-.4	-4.5	.8	.0	.0	62.8	53.5	306.1	189.9
245.0	246.4	2.0	-.8	.0	.0	-.4	-4.6	.8	.0	.0	65.0	54.9	311.4	191.6
255.0	249.0	2.0	-.7	.0	.0	-.5	-4.7	.9	.0	.0	66.9	56.2	316.1	193.1
265.0	253.8	2.0	-.7	.0	.0	-.5	-4.8	.9	.0	.0	68.6	57.3	320.4	194.5
275.0	256.1	2.0	-.7	.0	.0	-.5	-4.8	.9	.0	.0	70.1	58.3	324.3	195.9

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AHT	POS		
285.0	256.3	-2.0	.8	.0	.0	.5	.2	-1.0	.0	.0	71.5	59.2	327.8	197.1
295.0	258.4	-2.0	.8	.0	.0	.5	.2	-1.0	.0	.0	72.7	60.0	331.1	198.4
305.0	260.4	-2.0	.8	.0	.0	.5	.2	-1.0	.0	.0	73.8	60.8	334.3	199.6
315.0	262.5	-2.0	.8	.0	.0	.5	.2	-1.0	.0	.0	75.0	61.6	337.4	200.9
325.0	264.5	-2.0	.8	.0	.0	.5	.2	-1.0	.0	.0	76.1	62.3	340.6	202.2
335.0	266.6	-2.1	.8	.0	.0	.5	.2	-1.1	.0	.0	77.2	63.1	343.8	203.6
345.0	268.9	-2.1	.8	.0	.0	.6	.2	-1.1	.0	.0	78.3	63.9	347.2	205.1
355.0	271.3	-2.1	.8	.0	.0	.6	.2	-1.1	.0	.0	79.4	64.6	350.7	206.7
365.0	273.9	-2.2	.8	.0	.0	.6	.2	-1.1	.0	.0	80.5	65.4	354.4	208.5
375.0	276.7	-2.2	.8	.0	.0	.6	.2	-1.1	.0	.0	81.7	66.2	358.4	210.5
385.0	279.8	-2.3	.8	.0	.0	.6	.2	-1.2	.0	.0	83.0	67.1	362.8	212.7
395.0	283.3	-2.4	.8	.0	.0	.6	.2	-1.2	.0	.0	84.3	68.0	367.6	215.3
405.0	287.3	-2.5	.8	.0	.0	.6	.2	-1.2	.0	.0	85.7	69.1	373.0	218.2
415.0	291.8	-2.6	.8	.0	.0	.6	.2	-1.2	.0	.0	87.3	70.2	379.1	221.6
425.0	297.0	-2.8	.8	.0	.0	.6	.2	-1.3	.0	.0	89.0	71.5	385.9	225.5
435.0	303.0	-3.0	.8	.0	.0	.7	.2	-1.3	.0	.0	90.8	72.9	393.7	230.1
445.0	309.9	-3.2	.9	.0	.0	.7	.2	-1.3	.0	.0	92.8	74.4	402.7	235.6
455.0	318.1	-3.5	.9	.0	.0	.7	.2	-1.4	.0	-.0	94.9	76.0	413.0	242.0
465.0	327.6	-3.9	.9	.0	.0	.7	.2	-1.4	.0	-.0	97.3	77.9	424.9	249.8
475.0	338.9	-4.3	.9	.0	.0	.7	.2	-1.5	.0	-.0	99.7	79.9	438.6	259.1
485.0	352.3	-4.8	1.0	.0	.0	.8	.2	-1.5	.0	-.0	102.1	82.0	454.4	270.3
495.0	368.1	-5.5	1.0	.0	.0	.8	.2	-1.5	.0	-.0	104.5	84.2	472.6	283.9
505.0	386.6	-6.3	1.1	.0	.0	.8	.2	-1.6	.0	-.0	106.9	86.3	493.5	300.3
515.0	408.3	-7.3	1.1	.0	.0	.8	.2	-1.6	.0	-.0	109.3	88.4	517.6	319.9
525.0	433.6	-8.5	1.2	.0	.0	.8	.2	-1.7	.0	-.0	111.5	90.5	545.2	343.1
535.0	463.0	-9.8	1.2	.0	.0	.8	.2	-1.7	.0	-.0	113.6	92.5	576.6	370.5
545.0	496.8	-11.3	1.3	.0	.0	.8	.2	-1.7	.0	-.0	115.5	94.4	612.2	402.4
555.0	535.2	-12.9	1.4	.0	.0	.8	.2	-1.7	.0	-.0	117.3	96.1	652.3	439.1
565.0	578.4	-14.6	1.5	.0	.0	.8	.2	-1.7	.0	-.0	118.9	97.7	696.8	480.7

MASS ORDR

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AMI	NEG		
285.0	256.3	2.1	-.7	.0	.0	-.5	-4.9	.9	.0	.0	71.5	59.2	327.9	197.1
295.0	258.4	2.1	-.7	.0	.0	-.5	-5.0	.9	.0	.0	72.7	60.0	331.1	198.4
305.0	260.4	2.1	-.7	.0	.0	-.5	-5.0	1.0	.0	.0	73.8	60.8	334.3	199.6
315.0	262.5	2.1	-.8	.0	.0	-.5	-5.1	1.0	.0	.0	75.0	61.6	337.4	200.9
325.0	264.5	2.1	-.8	.0	.0	-.5	-5.1	1.0	.0	.0	76.1	62.3	340.6	202.2
335.0	266.6	2.2	-.8	.0	.0	-.5	-5.2	1.0	.0	.0	77.2	63.1	343.8	203.6
345.0	268.9	2.2	-.8	.0	.0	-.5	-5.2	1.0	.0	.0	78.3	63.8	347.2	205.1
355.0	271.3	2.2	-.8	.0	.0	-.6	-5.2	1.0	.0	.0	79.4	64.6	350.7	206.7
365.0	273.9	2.3	-.8	.0	.0	-.6	-5.3	1.1	.0	.0	80.5	65.4	354.4	208.5
375.0	276.7	2.4	-.8	.0	.0	-.6	-5.3	1.1	.0	.0	81.7	66.2	358.4	210.5
385.0	279.8	2.4	-.8	.0	.0	-.6	-5.4	1.1	.0	.0	83.0	67.1	362.8	212.7
395.0	283.3	2.5	-.8	.0	.0	-.6	-5.5	1.1	.0	.0	84.3	68.0	367.6	215.3
405.0	287.3	2.6	-.8	.0	.0	-.6	-5.5	1.1	.0	.0	85.7	69.1	373.0	218.2
415.0	291.8	2.7	-.8	.0	.0	-.6	-5.6	1.2	.0	.0	87.3	70.2	379.1	221.6
425.0	297.0	2.9	-.8	.0	.0	-.6	-5.7	1.2	.0	.0	89.0	71.5	385.9	225.5
435.0	303.2	3.1	-.8	.0	.0	-.7	-5.8	1.2	.0	.0	90.8	72.9	393.7	230.1
445.0	309.9	3.4	-.8	.0	.0	-.7	-5.8	1.3	.0	.0	92.8	74.4	402.7	235.6
455.0	318.1	3.7	-.8	.0	.0	-.7	-5.9	1.3	.0	.0	94.9	76.0	413.0	242.0
465.0	327.6	4.0	-.9	.0	.0	-.7	-6.1	1.3	.0	.0	97.3	77.9	424.9	249.8
475.0	338.9	4.5	-.9	.0	.0	-.7	-6.2	1.4	.0	.0	99.7	79.9	438.6	259.1
485.0	352.3	5.1	-.9	.0	.0	-.7	-6.3	1.4	.0	.0	102.1	82.0	454.4	270.3
495.0	368.1	5.8	-.9	.0	.0	-.8	-6.4	1.4	.0	.0	104.5	84.2	472.6	283.9
505.0	386.6	6.6	-1.0	.0	.0	-.8	-6.5	1.5	-.0	.0	106.9	86.3	493.5	300.3
515.0	408.3	7.7	-1.0	.0	.0	-.8	-6.7	1.5	-.0	.0	109.3	88.4	517.6	319.9
525.0	433.6	8.8	-1.1	.0	.0	-.8	-6.8	1.5	-.0	.0	111.5	90.5	545.2	343.1
535.0	463.[illegible]	10.2	-1.2	.0	.0	-.8	-6.9	1.6	-.0	.0	113.6	92.5	576.6	370.5
545.0	496.8	11.7	-1.2	.0	.0	-.9	-7.0	1.6	-.0	.0	115.5	94.4	612.2	402.4
555.0	535.2	13.3	-1.3	.0	.0	-.8	-7.0	1.6	-.0	.0	117.1	96.1	652.3	439.1
565.0	578.4	14.9	-1.4	.0	.0	-.9	-7.1	1.6	-.0	.0	118.4	97.7	696.8	480.7

GN/C

AHI PGS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
22.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
23.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
24.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
25.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
26.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0
27.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1
28.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1
29.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1
30.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1
31.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1
32.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.1
33.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.1
34.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.2
35.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.2
36.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.2
37.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.3
38.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.8	.3
39.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.9	.3
40.0	.7	.0	.0	.0	.0	-.0	.0	.0	.0	.3	.4	1.0	.4
41.0	.8	.0	.0	.0	.0	-.0	.0	.0	.0	.3	.4	1.1	.4
42.0	.9	.0	.0	.0	.0	-.0	.0	.0	.0	.3	.4	1.2	.5
43.0	1.0	.0	.0	.0	.0	-.0	.0	.0	.0	.3	.5	1.3	.5
44.0	1.0	.0	.0	.0	.0	-.0	.0	.0	.0	.4	.5	1.4	.5
45.0	1.1	.0	.0	.0	.0	-.0	.0	.0	.0	.4	.5	1.5	.6
46.0	1.2	.0	.0	.0	.0	-.0	.0	.0	.0	.4	.6	1.6	.7
47.0	1.3	.0	.0	.0	.0	-.0	.0	.0	.0	.4	.6	1.8	.7
48.0	1.4	.0	.0	.0	.0	-.0	.0	.0	.0	.5	.6	1.9	.8
49.0	1.5	.0	.0	.0	.0	-.0	.0	.0	.0	.5	.7	2.0	.8

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	POS		
50.0	1.6	.0	.0	.0	.0	-.0	.0	.0	.0	.5	.7	2.2	.9
51.0	1.7	.0	.0	.0	.0	-.0	.0	.0	.0	.6	.8	2.3	1.0
52.0	1.5	.0	.0	.0	.0	-.0	.0	.0	.0	.6	.8	2.5	1.0
53.0	2.0	.0	.0	.0	.0	-.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	.0	.0	.0	.0	-.0	.0	.0	.0	.7	.9	2.9	1.2
55.0	2.2	.0	.0	.0	.0	-.1	.0	.0	.0	.8	.9	3.0	1.3
56.0	2.3	.0	.0	.0	.0	-.1	.0	.0	.0	.8	1.0	3.1	1.4
57.0	2.5	.0	.0	.0	.0	-.1	.0	.0	.0	.9	1.0	3.3	1.5
58.0	2.6	.0	.0	.0	-.0	-.1	.0	.0	.0	.9	1.1	3.5	1.6
59.0	2.8	.0	.0	.0	-.0	-.1	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	2.9	.0	.0	.0	-.0	-.1	.0	.0	.0	1.1	1.1	4.0	1.8
61.0	3.1	.0	.0	.0	-.0	-.1	.0	.0	.0	1.2	1.2	4.3	1.9
62.0	3.3	.0	.0	.0	-.0	-.1	.0	.0	.0	1.3	1.2	4.5	2.1
63.0	3.5	.1	.0	.0	-.0	-.1	.0	.0	.0	1.4	1.3	4.9	2.2
64.0	3.7	.1	.0	.0	-.0	-.1	.0	.0	.0	1.5	1.3	5.2	2.4
65.0	4.0	.1	.0	.0	-.0	-.1	.0	.0	.0	1.6	1.4	5.6	2.6
66.0	4.3	.1	.0	.0	-.0	-.1	.0	.0	.0	1.8	1.5	6.1	2.8
67.0	4.6	.1	.0	.0	-.0	-.1	.0	.0	.0	1.9	1.6	6.5	3.0
68.0	5.0	.1	.0	.0	-.0	-.2	.0	.0	.0	2.1	1.7	7.1	3.3
69.0	5.4	.1	.0	.0	-.0	-.2	.0	.0	.0	2.3	1.8	7.7	3.6
70.0	5.8	.1	.0	.1	-.0	-.2	.0	.0	.0	2.5	2.0	8.3	3.9
71.0	6.3	.1	.0	.1	-.0	-.2	.0	.0	.0	2.7	2.1	9.0	4.2
72.0	6.9	.2	.0	.1	-.0	-.2	.0	.0	.0	3.0	2.3	9.8	4.6
73.0	7.5	.2	.0	.1	-.0	-.3	.0	.0	.0	3.2	2.5	10.7	5.0
74.0	8.1	.2	.0	.1	-.0	-.3	.0	.0	.0	3.5	2.7	11.6	5.4
75.0	8.8	.2	.0	.1	-.0	-.3	.0	.0	.0	3.8	2.9	12.7	5.9
76.0	9.6	.2	.0	.1	-.0	-.4	.0	.0	.0	4.1	3.2	13.8	6.4
77.0	10.5	.3	.0	.1	-.0	-.4	.0	.0	.0	4.5	3.5	15.0	7.0
78.0	11.4	.3	.0	.1	-.0	-.4	.0	.0	.0	4.9	3.8	16.3	7.7
79.0	12.4	.3	-.0	.1	-.0	-.5	.0	.0	.0	5.2	4.1	17.7	8.4
80.0	13.5	.4	-.0	.2	-.0	-.5	.0	.0	.0	5.6	4.4	19.2	9.1
81.0	14.7	.4	-.0	.2	-.0	-.6	.0	.0	.0	6.0	4.8	20.7	10.0
82.0	16.0	.5	-.0	.2	-.1	-.6	.0	.0	.0	6.4	5.1	22.4	10.9
83.0	17.4	.5	-.0	.2	-.1	-.7	.0	.0	.0	6.8	5.5	24.2	11.8
84.0	18.9	.6	-.0	.3	-.1	-.7	.0	.0	.0	7.2	5.9	26.0	12.9
85.0	20.3	.6	-.0	.3	-.1	-.8	.0	.0	.0	7.7	6.3	28.0	14.0
86.0	21.9	.7	-.0	.3	-.1	-.9	.0	.0	.0	8.1	6.7	30.0	15.2
87.0	23.7	.8	-.0	.3	-.1	-1.0	.0	.0	.0	8.6	7.1	32.2	16.5
88.0	25.4	.8	-.0	.4	-.1	-1.0	.0	.0	.0	9.0	7.5	34.4	17.9
89.0	27.3	.9	-.0	.4	-.1	-1.1	.0	.0	.0	9.5	7.9	36.8	19.3
90.0	29.3	1.0	-.0	.4	-.1	-1.2	.0	.0	.0	10.0	8.4	39.2	20.9
91.0	31.3	1.0	-.1	.5	-.1	-1.3	.0	.0	.0	10.4	8.9	41.9	22.5
92.0	33.5	1.1	-.1	.5	-.1	-1.4	.0	.0	.0	10.9	9.3	44.4	24.2
93.0	35.7	1.2	-.1	.6	-.1	-1.5	.0	.0	.0	11.4	9.8	47.1	25.9
94.0	38.1	1.3	-.1	.6	-.1	-1.6	.0	.0	.0	11.9	10.3	49.9	27.8
95.0	40.5	1.4	-.1	.7	-.1	-1.7	.0	.0	.0	12.3	10.7	52.9	29.8
96.0	43.0	1.5	-.1	.7	-.1	-1.9	.0	.0	.0	12.8	11.2	55.8	31.8
97.0	45.6	1.6	-.1	.8	-.1	-2.0	.0	.0	.0	13.3	11.7	58.9	33.9
98.0	48.3	1.7	-.1	.9	-.1	-2.1	.0	.0	.0	13.7	12.2	62.3	36.1
99.0	51.2	1.9	-.1	.9	-.1	-2.3	.0	.0	.0	14.2	12.7	65.2	38.4

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	NEG
51.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	2.2	.9
51.0	1.7	-.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.3	1.0
52.0	1.8	-.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	2.5	1.0
53.0	2.0	-.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.6	1.1
54.0	2.1	-.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	2.8	1.2
55.0	2.2	-.0	.0	.0	.0	.1	.0	.0	.0	.8	.9	3.0	1.3
56.0	2.3	-.0	.0	-.0	.0	.1	.0	.0	.0	.8	1.0	3.1	1.4
57.0	2.5	-.0	.0	-.0	.0	.1	.0	.0	.0	.9	1.0	3.3	1.5
58.0	2.6	-.0	.0	-.0	.0	.1	.0	.0	.0	.9	1.1	3.5	1.6
59.0	2.8	-.0	.0	-.0	.0	.1	.0	.0	.0	1.0	1.1	3.8	1.7
60.0	2.9	-.0	.0	-.0	.0	.1	.0	.0	.0	1.1	1.1	4.0	1.8
61.0	3.1	-.0	.0	-.0	.0	.1	.0	.0	.0	1.2	1.2	4.3	1.9
62.0	3.3	-.0	.0	-.0	.0	.1	.0	.0	.0	1.3	1.2	4.5	2.1
63.0	3.5	-.1	.0	-.0	.0	.1	.0	.0	.0	1.4	1.3	4.9	2.2
64.0	3.7	-.1	.0	-.0	.0	.1	.0	.0	.0	1.5	1.3	5.2	2.4
65.0	4.0	-.1	.0	-.0	.0	.1	.0	.0	.0	1.6	1.4	5.6	2.6
66.0	4.3	-.1	.0	-.0	.0	.1	.0	.0	.0	1.8	1.5	6.1	2.8
67.0	4.6	-.1	.0	-.0	.0	.2	.0	.0	.0	1.9	1.6	6.5	3.0
68.0	5.0	-.1	.0	-.0	.0	.2	.0	.0	.0	2.1	1.7	7.1	3.3
69.0	5.4	-.1	.0	-.0	.0	.2	.0	.0	.0	2.3	1.8	7.7	3.6
70.0	5.8	-.1	.0	-.1	.0	.2	.0	.0	.0	2.5	2.0	8.3	3.9
71.0	6.3	-.1	.0	-.1	.0	.2	.0	.0	.0	2.7	2.1	9.0	4.2
72.0	6.9	-.2	.0	-.2	.0	.3	.0	.0	.0	3.0	2.3	9.8	4.6
73.0	7.5	-.2	.0	-.1	.0	.3	-.0	.0	.0	3.2	2.5	10.7	5.0
74.0	8.1	-.2	.0	-.1	.0	.3	-.0	.0	.0	3.5	2.7	11.6	5.4
75.0	8.8	-.2	.0	-.1	.0	.4	-.0	.0	.0	3.8	2.9	12.7	5.9
76.0	9.6	-.2	.0	-.1	.0	.4	-.0	.0	.0	4.1	3.2	13.8	6.4
77.0	10.5	-.3	.0	-.1	.0	.4	-.0	.0	.0	4.5	3.5	15.0	7.0
78.0	11.4	-.3	.0	-.1	.0	.5	-.0	.0	.0	4.9	3.8	16.3	7.7
79.0	12.4	-.3	.0	-.1	.0	.5	-.0	.0	.0	5.2	4.1	17.7	8.4
80.0	13.5	-.4	.0	-.2	.0	.6	-.0	.0	.0	5.6	4.4	19.2	9.1
81.0	14.7	-.4	.0	-.2	.0	.6	-.0	.0	.0	6.0	4.8	20.7	10.0
82.0	16.0	-.5	.0	-.2	.0	.7	-.0	.0	.0	6.4	5.1	22.4	10.9
83.0	17.4	-.5	.0	-.2	.0	.7	-.0	.0	.0	6.8	5.5	24.2	11.8
84.0	18.8	-.6	.0	-.2	.0	.8	-.0	.0	.0	7.2	5.9	26.0	12.9
85.0	20.5	-.6	.0	-.3	.0	.9	-.0	.0	.0	7.7	6.3	29.0	14.0
86.0	21.9	-.7	.0	-.3	.0	1.0	-.0	.0	.0	8.1	6.7	30.0	15.2
87.0	23.5	-.7	.0	-.3	.0	1.0	-.0	.0	.0	8.6	7.1	32.2	16.5
88.0	25.4	-.8	.0	-.4	.0	1.1	-.0	.0	.0	9.0	7.5	34.4	17.9
89.0	27.3	-.9	.0	-.4	.0	1.2	-.0	.0	.0	9.5	7.9	36.8	19.3
90.0	29.3	-.9	.0	-.4	.0	1.3	-.0	.0	.0	10.0	8.4	39.2	20.9
91.0	31.5	-1.0	.0	-.5	.1	1.4	-.0	.0	.0	10.4	8.9	41.8	22.5
92.0	33.9	-1.1	.0	-.5	.1	1.5	-.0	.0	.0	10.9	9.3	44.4	24.2
93.0	35.7	-1.2	.0	-.6	.1	1.6	-.0	.0	.0	11.4	9.8	47.1	25.9
94.0	38.1	-1.3	.1	-.6	.1	1.7	-.0	.0	.0	11.9	10.3	49.9	27.8
95.0	40.5	-1.4	.1	-.7	.1	1.9	-.0	.0	.0	12.3	10.7	52.8	29.8
96.0	43.1	-1.5	.1	-.7	.1	2.0	-.0	.0	.0	12.8	11.2	55.9	31.8
97.0	45.7	-1.6	.1	-.8	.1	2.1	-.0	.0	.0	13.3	11.7	59.0	33.9
98.0	48.5	-1.7	.1	-.8	.1	2.3	-.0	.0	.0	13.7	12.2	62.0	36.1
99.0	51.4	-1.8	.1	-.9	.1	2.4	-.0	-.0	.0	14.2	12.7	65.2	38.4

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AN1	POS		
100.0	53.4	2.0	-.1	1.0	-.1	-2.4	.0	.0	.0	14.7	13.2	68.5	40.7
101.0	56.6	2.1	-.1	1.1	-.1	-2.6	.0	.0	.0	15.1	13.6	71.9	43.1
102.0	59.7	2.3	-.1	1.2	-.1	-2.7	.1	.0	.0	15.6	14.1	75.3	45.6
103.0	62.7	2.4	-.1	1.3	-.1	-2.9	.1	.0	.0	16.0	14.5	78.8	48.2
104.0	65.8	2.6	-.1	1.4	-.1	-3.1	.1	.0	.0	16.4	15.0	82.3	50.8
105.0	69.1	2.7	-.1	1.5	-.1	-3.2	.1	.0	.0	16.9	15.5	85.9	53.5
106.0	72.2	2.9	-.1	1.6	-.1	-3.4	.1	.0	.0	17.3	15.9	89.5	56.3
107.0	75.4	3.0	-.1	1.7	-.1	-3.6	.1	.0	.0	17.8	16.4	93.2	59.1
108.0	78.8	3.2	-.1	1.8	-.1	-3.8	.1	.0	.0	18.2	16.8	96.9	61.9
109.0	82.1	3.3	-.1	1.9	-.1	-4.0	.1	.0	.0	18.6	17.3	100.7	64.8
110.0	85.5	3.5	-.1	2.0	-.2	-4.2	.1	.0	.0	18.9	17.7	104.4	67.8
111.0	88.9	3.7	-.1	2.1	-.2	-4.4	.1	.0	.0	19.1	18.2	108.1	70.8
112.0	92.4	3.8	-.1	2.3	-.2	-4.6	.1	.0	.0	19.3	18.6	111.7	73.8
113.0	95.9	4.0	-.1	2.4	-.2	-4.8	.1	.0	.0	19.5	19.0	115.4	76.9
114.0	99.3	4.2	-.1	2.5	-.2	-5.1	.1	.0	.0	19.6	19.4	118.9	79.9
115.0	102.7	4.4	-.1	2.7	-.2	-5.3	.1	.0	.0	19.8	19.7	122.5	83.0
116.0	106.0	4.6	-.1	2.8	-.2	-5.5	.1	.0	.0	19.9	19.9	125.9	86.1
117.0	109.2	4.7	-.1	2.9	-.2	-5.7	.1	.0	.0	20.1	20.1	129.3	89.1
118.0	112.3	4.9	-.1	3.1	-.2	-5.9	.1	.0	.0	20.3	20.2	132.6	92.2
119.0	115.4	5.1	-.1	3.2	-.2	-6.1	.1	.0	.0	20.5	20.3	135.9	95.1
120.0	118.4	5.3	-.1	3.4	-.2	-6.3	.2	.1	.0	20.7	20.4	139.1	98.0
121.0	121.3	5.4	-.1	3.5	-.2	-6.5	.2	.1	.0	20.9	20.6	142.2	100.7
122.0	124.1	5.6	-.1	3.6	-.2	-6.7	.2	.1	.0	21.2	20.7	145.3	103.4
123.0	126.9	5.7	-.1	3.8	-.2	-6.9	.2	.1	.0	21.4	20.9	148.3	106.0
124.0	129.5	5.9	-.1	3.9	-.2	-7.2	.2	.1	.0	21.7	21.1	151.2	108.5
125.0	132.1	6.1	-.1	4.0	-.2	-7.4	.2	.1	.0	22.0	21.3	154.1	110.8
126.0	134.6	6.2	-.1	4.2	-.2	-7.6	.2	.1	.0	22.3	21.6	156.9	113.0
127.0	137.0	6.4	-.1	4.3	-.2	-7.8	.2	.1	.0	22.7	21.7	159.7	115.2
128.0	139.3	6.6	-.1	4.5	-.2	-8.0	.2	.1	.0	23.2	21.9	162.5	117.4
129.0	141.5	6.7	-.1	4.6	-.2	-8.2	.2	.1	.0	23.5	22.1	165.1	119.4
130.0	143.7	6.9	-.1	4.7	-.2	-8.4	.2	.1	.0	23.9	22.3	167.7	121.4
131.0	145.9	7.0	-.1	4.8	-.2	-8.5	.2	.1	.0	24.3	22.6	170.2	123.3
132.0	148.1	7.1	-.1	5.0	-.2	-8.7	.2	.1	.0	24.7	22.9	172.7	125.1
133.0	150.1	7.3	-.1	5.1	-.2	-8.9	.2	.1	.0	25.1	23.2	175.1	126.9
134.0	152.1	7.4	-.1	5.2	-.2	-9.1	.2	.1	.0	25.5	23.5	177.6	128.6
135.0	154.1	7.5	-.1	5.3	-.2	-9.2	.2	.1	.0	25.9	23.8	179.9	130.2
145.0	171.8	8.8	-.1	6.5	-.2	-10.9	.3	.1	.0	30.0	27.3	201.8	144.6
155.0	186.5	10.1	-.1	7.7	-.2	-12.5	.3	.1	.0	33.2	30.9	220.7	155.6
165.0	198.7	11.2	-.1	8.8	-.2	-14.1	.3	.1	.0	35.4	34.5	237.1	164.2
175.0	209.0	12.3	-.1	9.9	-.2	-15.5	.4	.1	-.0	42.5	38.1	251.5	170.9
185.0	217.6	13.3	-.1	10.9	-.1	-16.9	.4	.2	-.0	46.5	41.5	264.1	176.1
195.0	224.8	14.2	-.1	11.9	-.1	-18.1	.4	.2	-.0	50.2	44.5	275.0	180.3
205.0	230.6	15.2	-.1	12.9	-.1	-19.3	.4	.2	-.0	53.8	47.4	284.7	183.5
215.0	235.3	16.0	-.1	13.7	-.1	-20.3	.4	.2	-.0	57.2	49.8	292.9	186.0
225.0	239.0	16.7	-.2	14.5	-.1	-21.2	.5	.2	-.0	60.2	51.8	300.1	188.1
235.0	242.4	17.3	-.2	15.2	-.1	-21.9	.5	.2	-.1	62.8	53.5	306.1	189.9
245.0	246.4	17.9	-.2	15.7	-.0	-22.6	.5	.2	-.1	65.0	54.9	311.4	191.6
255.0	249.2	18.3	-.2	16.2	-.0	-23.2	.5	.2	-.1	66.9	56.2	315.1	193.1
265.0	251.8	18.7	-.2	16.7	-.0	-23.7	.5	.2	-.1	68.6	57.3	320.4	194.5
275.0	254.1	19.1	-.2	17.1	-.0	-24.1	.5	.2	-.1	70.1	58.3	324.3	195.9

GN/C

TIME	NUM VAL	1	2	3	4	5	6	7	8	AHT	NEG		
100.0	53.9	-1.9	.1	-1.0	.1	2.6	-.0	-.0	.0	14.7	13.2	68.5	40.7
101.0	56.8	-2.1	.1	-1.0	.1	2.8	-.0	-.0	.0	15.1	13.6	71.6	43.1
102.0	59.7	-2.2	.1	-1.1	.1	2.9	-.0	-.0	.0	15.6	14.1	75.3	45.6
103.0	62.7	-2.3	.1	-1.2	.1	3.1	-.1	-.0	.0	16.0	14.5	78.8	48.2
104.0	65.8	-2.5	.1	-1.3	.1	3.3	-.1	-.0	.0	16.4	15.0	82.3	50.8
105.0	69.0	-2.6	.1	-1.4	.1	3.5	-.1	-.0	.0	16.9	15.5	85.9	53.5
106.0	72.2	-2.8	.1	-1.5	.1	3.7	-.1	-.0	.0	17.3	15.9	89.5	56.3
107.0	75.4	-2.9	.1	-1.6	.1	3.9	-.1	-.0	.0	17.8	16.4	93.2	59.1
108.0	78.8	-3.1	.1	-1.7	.1	4.1	-.1	-.0	.0	18.2	16.8	96.9	61.9
109.0	82.1	-3.2	.1	-1.8	.1	4.3	-.1	-.0	.0	18.6	17.3	100.7	64.8
110.0	85.5	-3.4	.1	-1.9	.1	4.5	-.1	-.0	.0	19.0	17.7	104.4	67.8
111.0	88.9	-3.6	.1	-2.0	.1	4.7	-.1	-.0	.0	19.1	18.2	108.1	70.8
112.0	92.4	-3.7	.1	-2.1	.1	5.0	-.1	-.0	.0	19.3	18.6	111.7	73.8
113.0	95.9	-3.9	.1	-2.3	.1	5.2	-.1	-.0	.0	19.5	19.0	115.4	76.9
114.0	99.3	-4.1	.1	-2.4	.1	5.4	-.1	-.0	.0	19.6	19.4	118.9	79.9
115.0	102.7	-4.3	.1	-2.5	.1	5.7	-.1	-.0	.0	19.8	19.7	122.5	83.0
116.0	106.0	-4.4	.1	-2.6	.1	5.9	-.1	-.0	.0	19.9	19.9	125.9	86.1
117.0	109.2	-4.6	.1	-2.8	.1	6.1	-.1	-.0	.0	20.1	20.1	129.3	89.1
118.0	112.3	-4.8	.0	-2.9	.1	6.4	-.1	-.0	.0	20.3	20.2	132.6	92.2
119.0	115.4	-4.9	.0	-3.0	.1	6.5	-.1	-.0	.0	20.5	20.3	135.9	95.1
120.0	118.4	-5.1	.0	-3.1	.1	6.9	-.1	-.0	.0	20.7	20.4	139.1	98.0
121.0	121.3	-5.3	.0	-3.3	.1	7.1	-.2	-.0	.0	20.9	20.6	142.2	100.7
122.0	124.1	-5.4	.0	-3.4	.1	7.3	-.2	-.0	.0	21.2	20.7	145.3	103.4
123.0	126.9	-5.6	.0	-3.5	.1	7.5	-.2	-.1	.0	21.4	20.9	148.3	106.0
124.0	129.5	-5.7	.0	-3.6	.1	7.7	-.2	-.1	.0	21.7	21.1	151.2	108.5
125.0	132.1	-5.9	.0	-3.8	.1	7.9	-.2	-.1	.0	22.0	21.3	154.1	110.8
126.0	134.6	-6.1	.0	-3.9	.1	8.2	-.2	-.1	.0	22.3	21.6	156.9	113.0
127.0	137.0	-6.2	.0	-4.1	.1	8.4	-.2	-.1	.0	22.7	21.7	159.7	115.2
128.0	139.3	-6.4	.0	-4.2	.1	8.7	-.2	-.1	.0	23.2	21.9	162.5	117.4
129.0	141.5	-6.5	.0	-4.3	.1	8.9	-.2	-.1	.0	23.6	22.1	165.1	119.4
130.0	143.7	-6.6	.0	-4.4	.1	9.1	-.2	-.1	.0	27.9	22.3	167.7	121.4
131.0	145.7	-6.8	.0	-4.5	.1	9.2	-.2	-.1	.0	28.3	22.6	170.2	123.3
132.0	147.6	-6.9	.0	-4.6	.1	9.4	-.2	-.1	.0	24.7	22.9	172.7	125.1
133.0	150.1	-7.0	.0	-4.7	.1	9.6	-.2	-.1	.0	25.1	23.2	175.1	126.9
134.0	152.1	-7.2	.0	-4.8	.1	9.8	-.2	-.1	.0	25.5	23.5	177.6	128.6
135.0	154.1	-7.3	.0	-4.9	.1	10.0	-.2	-.1	.0	25.9	23.8	179.9	130.2
145.0	173.8	-8.6	.0	-6.1	.0	11.9	-.3	-.1	.0	30.0	27.3	201.8	144.6
155.0	186.9	-9.7	.0	-7.1	.0	13.7	-.3	-.1	.0	34.2	30.9	220.7	155.8
165.0	198.7	-10.8	-.0	-8.1	-.0	15.4	-.3	-.1	.0	38.4	34.5	237.1	164.2
175.0	209.6	-11.9	-.0	-9.1	-.1	17.0	-.4	-.1	.0	42.5	38.1	251.6	170.9
185.0	219.1	-12.9	-.0	-10.0	-.1	18.6	-.4	-.1	.0	46.5	41.5	264.1	176.1
195.0	229.8	-13.7	-.0	-10.9	-.1	20.0	-.4	-.1	.0	50.2	44.5	275.0	180.3
205.0	238.6	-14.6	-.0	-11.7	-.2	21.5	-.4	-.2	.0	53.9	47.4	284.7	183.5
215.0	239.6	-15.3	-.0	-12.4	-.2	22.8	-.5	-.2	.0	57.2	49.8	292.9	186.0
225.0	239.9	-15.9	-.0	-13.1	-.2	23.9	-.5	-.2	.1	60.2	51.8	300.1	188.1
235.0	243.4	-16.5	-.0	-13.6	-.2	24.9	-.5	-.2	.1	62.8	53.5	306.1	189.9
245.0	246.4	-17.0	-.0	-14.0	-.2	25.8	-.5	-.2	.1	65.0	54.9	311.4	191.6
255.0	249.2	-17.3	-.1	-14.4	-.3	26.5	-.5	-.2	.1	66.9	56.2	316.1	193.1
265.0	251.8	-17.7	-.1	-14.8	-.3	27.2	-.5	-.2	.1	68.6	57.3	320.4	194.5
275.0	254.1	-18.0	-.1	-15.1	-.3	27.8	-.5	-.2	.1	70.1	58.3	324.3	195.9

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	BHT	POS			
295.0	256.3	19.4	-.2	17.4	-.0	-24.5	.5	.2	-.1	71.5	59.2	327.8	197.1	
295.0	258.4	19.7	-.2	17.7	.0	-24.9	.5	.2	-.1	72.7	60.0	331.1	198.4	
305.0	260.4	20.0	-.2	18.1	.0	-25.3	.5	.3	-.1	73.8	60.8	334.3	199.6	
315.0	262.5	20.3	-.2	18.4	.0	-25.6	.5	.3	-.2	75.0	61.6	337.4	200.9	
325.0	264.5	20.5	-.2	18.6	.0	-25.9	.6	.3	-.2	76.1	62.3	340.6	202.2	
335.0	266.6	20.8	-.2	18.9	.0	-26.2	.6	.3	-.2	77.2	63.1	343.8	203.6	
345.0	268.9	21.1	-.2	19.2	.0	-26.6	.6	.3	-.2	78.3	63.8	347.2	205.1	
355.0	271.3	21.3	-.2	19.5	.0	-26.9	.6	.3	-.2	79.4	64.6	350.7	206.7	
365.0	273.9	21.6	-.2	19.8	.0	-27.3	.6	.3	-.2	80.5	65.4	354.4	208.5	
375.0	276.7	21.9	-.2	20.1	.1	-27.6	.6	.3	-.3	81.7	66.2	358.4	210.5	
385.0	279.8	22.2	-.2	20.5	.1	-28.0	.6	.3	-.3	83.0	67.1	362.8	212.7	
395.0	283.3	22.5	-.2	20.8	.1	-28.5	.6	.3	-.3	84.3	68.0	367.6	215.3	
405.0	287.3	22.9	-.2	21.2	.1	-28.9	.6	.3	-.4	85.7	69.1	373.0	218.2	
415.0	291.8	23.2	-.2	21.6	.1	-29.5	.6	.3	-.4	87.3	70.2	379.1	221.6	
425.0	297.0	23.7	-.2	22.1	.1	-30.0	.6	.3	-.4	89.0	71.5	385.9	225.5	
435.0	303.0	24.1	-.2	22.6	.1	-30.6	.6	.3	-.5	90.8	72.8	393.7	230.1	
445.0	309.9	24.6	-.2	23.1	.1	-31.3	.7	.3	-.6	92.8	74.4	402.7	235.6	
455.0	318.1	25.1	-.2	23.7	.1	-32.1	.7	.3	-.7	94.9	76.0	413.0	242.0	
465.0	327.6	25.7	-.2	24.4	.1	-32.9	.7	.3	-.8	97.3	77.9	424.9	249.8	
475.0	338.9	26.4	-.2	25.1	.2	-33.8	.7	.3	-1.0	99.7	79.9	438.6	259.1	
485.0	352.3	27.0	-.2	25.7	.2	-34.8	.7	.3	-1.2	102.1	82.0	454.4	270.3	
495.0	368.1	27.6	-.2	26.4	.2	-35.8	.7	.4	-1.5	104.5	84.2	472.6	283.9	
505.0	386.6	28.2	-.2	27.0	.2	-36.9	.7	.4	-1.8	106.9	86.3	493.5	300.3	
515.0	408.3	28.8	-.2	27.7	.2	-37.7	.8	.4	-2.3	109.3	88.4	517.6	319.9	
525.0	433.6	29.4	-.2	28.2	.2	-38.6	.8	.4	-2.9	111.5	90.5	545.2	343.1	
535.0	463.0	29.9	-.2	28.7	.2	-39.5	.8	.4	-3.7	113.6	92.5	576.6	370.5	
545.0	496.6	30.3	-.2	29.1	.2	-40.2	.8	.4	-4.7	115.5	94.3	612.2	402.4	
555.0	535.2	30.5	-.2	29.3	.2	-40.9	.8	.4	-6.1	117.1	96.1	652.3	439.1	
565.0	578.4	30.7	-.3	29.4	.2	-41.3	.8	.4	-7.8	118.4	97.7	696.8	480.7	

GN/C

TIME	NOM VAL	1	2	3	4	5	6	7	8	AHI	NEG		
295.0	256.3	-18.3	-.1	-15.4	-.3	28.3	-.5	-.2	.1	71.5	59.2	327.8	197.1
295.0	258.4	-18.5	-.1	-15.7	-.3	28.6	-.5	-.2	.1	72.7	60.0	331.1	198.4
305.0	260.4	-18.8	-.1	-15.9	-.3	29.2	-.6	-.2	.2	73.8	60.8	334.3	199.6
315.0	262.5	-19.0	-.1	-16.2	-.3	29.7	-.6	-.2	.2	75.0	61.6	337.4	200.9
325.0	264.5	-19.3	-.1	-16.4	-.3	30.1	-.6	-.2	.2	76.1	62.3	340.6	202.2
335.0	266.6	-19.5	-.1	-16.6	-.4	30.6	-.6	-.2	.2	77.2	63.1	343.8	203.6
345.0	268.9	-19.7	-.1	-16.9	-.4	31.0	-.6	-.2	.2	78.3	63.8	347.2	205.1
355.0	271.1	-20.0	-.1	-17.1	-.4	31.4	-.6	-.2	.2	79.4	64.6	350.7	206.7
365.0	273.9	-20.2	-.1	-17.3	-.4	31.9	-.6	-.2	.3	80.5	65.4	354.4	208.5
375.0	276.7	-20.5	-.1	-17.6	-.4	32.4	-.6	-.2	.3	81.7	66.2	358.4	210.5
385.0	279.8	-20.7	-.1	-17.9	-.4	32.9	-.6	-.2	.3	83.0	67.1	362.8	212.7
395.0	283.3	-21.0	-.1	-18.2	-.4	33.4	-.6	-.2	.4	84.3	68.0	367.6	215.3
405.0	287.3	-21.3	-.1	-18.5	-.4	34.0	-.6	-.2	.4	85.7	69.1	373.0	218.2
415.0	291.9	-21.7	-.1	-18.9	-.4	34.6	-.6	-.2	.4	87.3	70.2	379.1	221.6
425.0	297.1	-22.1	-.1	-19.3	-.5	35.3	-.6	-.2	.5	89.0	71.5	385.9	225.5
435.0	303.0	-22.5	-.1	-19.7	-.5	36.1	-.7	-.3	.6	90.8	72.8	393.7	230.1
445.0	309.9	-23.0	-.1	-20.2	-.5	36.9	-.7	-.3	.7	92.8	74.4	402.7	235.6
455.0	318.1	-23.5	-.1	-20.7	-.5	37.8	-.7	-.3	.8	94.9	76.0	413.0	242.0
465.0	327.6	-24.0	-.1	-21.2	-.5	38.8	-.7	-.3	.9	97.3	77.9	424.9	249.8
475.0	338.9	-24.6	-.1	-21.8	-.5	39.9	-.7	-.3	1.1	99.7	79.9	438.6	259.1
485.0	352.3	-25.3	-.1	-22.5	-.6	41.0	-.7	-.3	1.3	102.1	82.0	454.4	270.3
495.0	368.1	-25.9	-.1	-23.1	-.6	42.0	-.8	-.3	1.6	104.5	84.2	472.6	283.9
505.0	386.6	-26.5	-.1	-23.7	-.6	43.1	-.8	-.3	2.0	106.9	86.3	493.5	300.3
515.0	406.3	-27.1	-.1	-24.3	-.6	44.1	-.8	-.3	2.4	109.3	88.4	517.6	319.9
525.0	433.6	-27.6	-.1	-24.8	-.6	45.2	-.8	-.3	3.1	111.5	90.5	545.2	343.1
535.0	463.1	-28.1	-.1	-25.3	-.6	46.1	-.8	-.3	3.9	113.6	92.5	576.6	370.5
545.0	496.8	-28.5	-.1	-25.6	-.7	46.9	-.9	-.4	5.0	115.5	94.4	612.2	402.4
555.0	535.2	-28.8	-.1	-25.9	-.7	47.6	-.9	-.4	6.4	117.1	96.1	652.3	439.1
565.0	578.4	-28.9	-.1	-26.1	-.7	48.2	-.9	-.4	8.2	118.4	97.7	696.8	480.7

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	ALPHA	NEG		
50.0	-3.4	.5	.0	.0	-.1	.0	-.0	.0	-.0	.0	.0	.0	1.5	1.5	-1.6	-4.7
51.0	-3.3	.6	.0	.0	-.0	.0	-.0	.0	-.0	.0	-.0	.0	1.5	1.4	-1.7	-4.6
52.0	-3.2	.5	.0	-.1	-.2	-.1	.0	.0	-.1	.0	-.0	.0	1.3	1.2	-1.8	-4.4
53.0	-3.1	.4	.0	-.1	-.2	-.1	-.0	.0	-.0	.0	-.0	.0	1.2	1.2	-1.9	-4.3
54.0	-3.1	.3	.0	-.1	-.2	-.1	-.0	.0	-.1	.0	-.0	.0	1.2	1.2	-1.9	-4.3
55.0	-3.0	.3	.0	-.1	-.2	-.0	-.0	.0	-.0	.0	-.0	.0	1.2	1.3	-1.9	-4.3
56.0	-3.1	.4	.0	-.2	-.1	-.0	-.0	.0	-.0	.0	.0	.0	1.2	1.2	-1.9	-4.3
57.0	-3.1	.6	.0	-.0	-.1	-.0	-.0	.0	-.0	.0	-.0	.0	1.3	1.2	-1.9	-4.3
58.0	-3.1	.8	.0	-.1	-.2	-.1	-.0	.0	-.0	.0	-.0	.0	1.3	1.1	-1.7	-4.2
59.0	-3.0	1.0	.0	-.1	-.2	-.1	-.0	.0	-.0	.0	-.0	.0	1.5	1.1	-1.6	-4.2
60.0	-3.0	1.1	.0	-.0	-.2	-.0	-.0	.0	-.0	.0	-.0	.0	1.6	1.2	-1.4	-4.1
61.0	-2.8	1.2	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.0	.0	1.6	1.2	-1.2	-4.0
62.0	-2.5	1.0	.0	-.2	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	1.0	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.0	.0	1.5	1.5	-.8	-3.8
64.0	-2.2	1.1	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.1	.0	1.6	1.5	-.6	-3.7
65.0	-2.0	1.2	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.1	.0	1.6	1.5	-.4	-3.5
66.0	-1.8	1.2	.0	-.1	-.3	-.1	-.0	.0	-.1	.0	.1	.0	1.7	1.4	-.1	-3.2
67.0	-1.5	1.2	.0	-.1	-.4	-.1	-.0	.0	-.1	.0	.1	.0	1.6	1.5	.2	-2.9
68.0	-1.2	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.6	1.5	.5	-2.7
69.0	-.9	1.3	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.7	1.5	.8	-2.4
70.0	-.7	1.4	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.7	1.6	1.0	-2.3
71.0	-.5	1.5	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.0	.0	1.8	1.6	1.3	-2.1
72.0	-.3	1.5	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.9	1.6	1.5	-1.9
73.0	-.1	1.6	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.9	1.6	1.8	-1.7
74.0	.1	1.7	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.0	1.7	2.2	-1.5
75.0	.4	1.8	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	1.7	2.5	-1.4
76.0	.6	1.9	.0	-.2	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.2	1.8	2.8	-1.2
77.0	.9	2.0	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.1	.0	2.3	1.9	3.2	-1.0
78.0	1.2	2.0	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.1	.0	2.3	1.9	3.5	-.8
79.0	1.4	1.8	.0	-.2	-.6	-.2	-.1	.0	-.1	.0	.1	.0	2.2	2.0	3.7	-.6
80.0	1.7	1.6	.0	-.2	-.6	-.2	-.1	.0	-.1	.0	.1	.0	2.0	2.1	3.8	-.4
81.0	2.0	1.3	.0	-.2	-.6	-.2	-.1	.0	-.1	.0	.1	.0	1.8	2.2	3.8	-.2
82.0	2.2	1.2	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	1.8	2.2	4.0	.0
83.0	2.2	1.1	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.7	2.1	4.0	.2
84.0	2.2	1.0	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.1	.0	1.8	1.9	4.0	.3
85.0	2.2	1.0	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	1.9	1.9	4.1	.5
86.0	2.2	1.0	.0	-.1	-.4	-.1	-.1	.0	-.0	.0	.1	.0	1.7	1.9	3.9	.5
87.0	2.0	1.2	.0	-.1	-.2	-.0	-.1	.0	-.1	.0	.1	.0	1.9	1.6	3.9	.4
88.0	1.9	1.3	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.1	.0	2.1	1.7	4.0	.2
89.0	1.9	1.3	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	1.8	4.0	.0
90.0	1.9	1.3	.0	-.2	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	1.9	4.0	-.0
91.0	1.9	1.2	.0	-.2	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	2.1	4.0	-.2
92.0	1.9	1.3	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	2.2	4.0	-.3
93.0	1.9	1.1	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.1	2.2	4.0	-.3
94.0	1.9	1.2	.0	-.1	-.4	-.1	-.1	.0	-.1	.0	.1	.0	2.1	2.2	4.0	-.3
95.0	1.9	1.3	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.1	.0	2.2	2.2	4.1	-.3
96.0	1.9	1.3	.0	-.1	-.5	-.1	-.1	.0	-.1	.0	.2	.0	1.9	2.1	3.9	-.2
97.0	1.9	1.3	.0	-.1	-.3	-.1	-.1	.0	-.1	.0	.2	.0	2.2	1.9	4.0	-.1
98.0	1.9	1.3	.0	-.2	-.5	-.2	-.1	.0	-.1	.0	.2	.0	2.1	2.2	4.0	-.3
99.0	2.0	1.2	.0	-.2	-.5	-.1	-.1	.0	-.1	.0	.2	.0	2.1	2.2	4.0	-.2

PROPULSION

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
100.0	2.0	-1.3	.0	.1	.3	.0	.1	.1	.1	.0	-.2	.0	2.1	2.2	4.0	-.2
101.0	2.0	-1.4	.0	.1	.3	.0	.1	.1	.1	.0	-.2	.0	2.0	2.3	4.0	-.3
102.0	2.0	-1.3	.0	.1	.3	.0	.1	.1	.1	.0	-.2	.0	2.0	2.2	4.0	-.2
103.0	2.0	-1.2	.0	.1	.3	.0	.1	.1	.1	.0	-.2	.0	2.0	2.1	4.0	-.2
104.0	1.9	-1.1	.0	.1	.3	.0	.1	.1	.1	.0	-.2	.0	2.0	2.1	4.0	-.2
105.0	1.9	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.1	2.1	4.0	-.2
106.0	1.9	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.2	.0	2.1	2.1	4.0	-.2
107.0	1.9	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.3	.0	2.1	2.1	4.0	-.2
108.0	1.8	-1.1	.0	.1	.3	.0	.2	.1	.1	.0	-.3	.0	2.2	2.0	4.0	-.2
109.0	1.8	-1.0	.0	.1	.3	.0	.2	.1	.1	.0	-.3	.0	2.2	2.1	4.0	-.2
110.0	1.8	-1.1	.0	.1	.4	.0	.2	.1	.1	.0	-.3	.0	2.1	2.0	4.0	-.2
111.0	1.9	-1.1	.0	.2	.6	.0	.2	.1	.1	-.0	-.3	.0	2.0	2.0	3.9	-.2
112.0	2.0	-1.2	.3	.3	.9	.0	.2	.1	.2	-.0	-.3	.0	2.0	2.1	3.9	-.1
113.0	2.0	-1.3	.8	.8	1.2	.0	.2	.1	.2	-.0	-.0	.0	2.2	2.2	4.2	-.2
114.0	1.9	-1.2	1.5	.5	1.6	.0	.3	.0	.3	-.0	-.5	-.0	2.8	2.3	4.7	-.3
115.0	1.7	-1.0	2.4	.7	2.0	.0	.4	.0	.4	-.0	-.7	-.0	3.8	2.4	5.5	-.7
116.0	1.5	-.6	3.2	.9	2.4	.0	.5	.0	.5	-.0	-.9	-.0	4.7	2.6	6.2	-1.4
117.0	1.4	-.4	3.7	1.0	2.8	.0	.5	-.0	.6	-.0	-1.1	-.0	5.4	3.4	6.7	-2.0
118.0	1.3	-.4	3.8	1.1	3.0	.0	.6	-.0	.6	-.1	-1.3	-.0	5.7	3.9	7.0	-2.6
119.0	1.3	-.5	3.7	1.2	3.3	.0	.7	-.1	.7	-.1	-1.5	-.0	5.9	4.3	7.2	-3.0
120.0	1.3	-.7	3.4	1.3	3.5	.0	.8	-.1	.7	-.1	-1.6	-.0	6.0	4.6	7.4	-3.2
121.0	1.4	-.9	3.2	1.4	3.4	.0	.8	-.1	.8	-.1	-1.7	-.0	6.1	4.9	7.5	-3.5
122.0	1.5	-1.1	2.9	1.4	3.2	.0	.6	-.1	.9	-.1	-1.8	-.0	5.9	5.1	7.4	-3.6
123.0	1.5	-1.1	2.7	1.5	2.9	.0	.3	-.1	.9	-.1	-1.9	-.1	5.7	5.4	7.2	-3.9
124.0	1.6	-1.2	2.4	1.5	2.8	.0	.1	-.1	1.0	-.1	-2.0	-.1	5.5	5.6	7.1	-4.0
125.0	1.7	-1.3	2.2	1.6	2.7	.0	-.2	-.2	1.1	-.1	-2.0	-.1	5.6	5.8	7.2	-4.2
126.0	1.9	-1.5	2.2	1.7	2.2	.0	-.5	-.2	1.2	-.1	-2.1	-.1	5.5	6.4	7.4	-4.6
127.0	1.8	-1.4	2.3	1.5	2.1	.0	-.5	-.2	1.1	-.1	-2.1	-.1	5.3	6.5	7.0	-4.8
128.0	1.5	-1.1	2.3	1.5	2.1	.0	-.5	-.2	1.1	-.1	-2.1	-.1	5.3	6.2	6.8	-4.7
129.0	1.2	-.8	2.3	1.5	2.1	.0	-.5	-.2	1.1	-.1	-2.1	-.1	5.5	6.0	6.7	-4.9
130.0	.6	-.1	-.2	-.0	2.2	.0	-.4	.1	.1	-.0	-1.6	-.0	5.3	4.2	5.9	-3.6
131.0	.4	.1	-.2	-.0	.1	.0	-.4	.1	.1	-.0	.9	-.0	3.7	3.9	4.2	-3.5
132.0	.3	.1	-.2	-.0	.1	.0	-.4	.1	.1	-.0	.9	-.0	5.2	5.3	5.5	-5.0
133.0	.2	.0	-.2	-.0	.1	.0	-.4	.1	.1	-.0	.9	-.0	5.1	5.3	5.3	-5.1
134.0	.8	-.2	-.5	-.0	.2	.0	-.4	.2	.5	-.0	.9	-.0	5.1	5.6	5.9	-4.8
135.0	.6	-1.0	-.2	-.0	.2	.0	-.4	.2	.5	-.0	.9	-.0	5.1	5.5	5.7	-4.9
145.0	-1.1	-.9	-.2	.0	.2	.0	-.3	.1	.3	-.0	.9	-.0	4.6	5.0	3.6	-6.1
155.0	-2.4	-.8	-.1	.0	.2	.0	-.3	.1	.3	-.0	.8	-.0	4.3	4.6	1.9	-7.0
165.0	-3.6	-.7	-.1	.0	.2	.0	-.3	.1	.4	-.0	.7	-.0	4.0	4.3	.4	-7.8
175.0	-4.5	-.7	-.1	.0	.2	.0	-.3	.1	.4	-.0	.7	-.0	3.7	3.9	-.8	-8.5
185.0	-5.3	-.7	-.1	.0	.3	.0	-.3	.1	.4	-.0	.6	-.0	3.4	3.7	-1.9	-9.0
195.0	-6.0	-.7	-.1	.1	.3	.0	-.2	.1	.4	-.0	.6	-.0	3.2	3.4	-2.8	-9.4
205.0	-6.5	-.6	-.1	.1	.3	.0	-.2	.1	.4	-.0	.6	-.0	3.0	3.2	-3.6	-9.7
215.0	-6.9	-.6	-.0	.1	.3	.0	-.2	.1	.4	-.1	.5	-.0	2.8	3.0	-4.1	-9.9
225.0	-7.1	-.6	-.0	.1	.3	.0	-.2	.1	.4	-.1	.5	-.0	2.6	2.8	-4.5	-9.9
235.0	-7.2	-.5	-.0	.1	.3	.0	-.2	.1	.4	-.1	.5	-.0	2.4	2.6	-4.8	-9.7
245.0	-7.1	-.6	-.0	.1	.3	.0	-.2	.1	.4	-.1	.4	-.0	2.2	2.4	-4.9	-9.5
255.0	-7.0	-.5	.0	.1	.3	.0	-.2	.0	.5	-.1	.4	-.0	2.1	2.2	-4.9	-9.2
265.0	-6.6	-.5	.0	.1	.3	.0	-.2	.0	.5	-.1	.4	-.0	1.9	2.1	-4.3	-8.3
275.0	-14.3	-.9	.1	.1	.3	.0	-.1	.0	1.0	-.1	.3	-.0	1.7	1.8	-12.6	-16.2

PROPULSION

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
100.0	2.0	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.2	.0	2.1	2.2	4.0	-.2
101.0	2.0	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.2	.0	2.0	2.3	4.0	-.3
102.0	2.0	1.1	.0	-.1	-.4	-.1	-.2	.0	-.1	.0	.2	.0	2.0	2.2	4.0	-.2
103.0	2.0	1.1	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.0	2.1	4.0	-.2
104.0	1.9	1.0	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.0	2.1	4.0	-.2
105.0	1.9	1.0	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.1	2.1	4.0	-.2
106.0	1.9	1.1	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.1	2.1	4.0	-.2
107.0	1.9	1.2	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.2	.0	2.1	2.1	4.0	-.2
108.0	1.8	1.3	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.3	.0	2.2	2.0	4.0	-.2
109.0	1.8	1.3	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.3	.0	2.2	2.1	4.0	-.2
110.0	1.8	1.3	.0	-.1	-.3	-.1	-.2	.0	-.1	.0	.3	.0	2.1	2.0	4.0	-.2
111.0	1.9	.8	.0	-.2	-.4	-.2	-.2	.0	-.1	.0	.3	.0	2.0	2.0	3.9	-.2
112.0	2.0	.4	.2	-.3	-.6	-.3	-.2	.0	-.2	.0	.3	.0	2.0	2.1	3.9	-.1
113.0	2.0	.3	.7	-.6	-.8	-.4	-.2	.0	-.2	.0	.4	.0	2.2	2.2	4.2	-.2
114.0	1.9	.3	1.3	-.5	-1.1	-.5	-.3	.0	-.3	.0	.5	.0	2.8	2.3	4.7	-.3
115.0	1.7	.5	2.1	-.6	-1.4	-.6	-.4	.0	-.4	.0	.7	.0	3.8	2.4	5.5	-.7
116.0	1.5	.7	2.9	-.8	-1.8	-.8	-.5	.0	-.5	.0	.9	.0	4.7	2.8	6.2	-1.4
117.0	1.4	.8	3.3	-.9	-2.2	-.9	-.6	.0	-.5	.0	1.1	.0	5.4	3.4	6.7	-2.0
118.0	1.3	.9	3.5	-1.1	-2.5	-1.1	-.6	.0	-.6	.0	1.3	.0	5.7	3.9	7.0	-2.6
119.0	1.3	.8	3.4	-1.1	-2.8	-1.1	-.7	.0	-.7	.1	1.4	.0	5.9	4.3	7.2	-3.0
120.0	1.3	.8	3.2	-1.2	-3.0	-1.2	-.8	.0	-.7	.1	1.6	.0	6.0	4.6	7.4	-3.2
121.0	1.4	.9	3.0	-1.2	-3.1	-1.2	-.8	.0	-.7	.1	1.7	.0	6.1	4.9	7.5	-3.5
122.0	1.5	.8	2.7	-1.3	-3.2	-1.3	-.6	.0	-.8	.1	1.8	.0	5.9	5.1	7.4	-3.6
123.0	1.5	.4	2.5	-1.4	-3.3	-1.4	-.3	.0	-.9	.1	1.8	.0	5.7	5.4	7.2	-3.8
124.0	1.6	.1	2.3	-1.5	-3.4	-1.5	-.1	.0	-.9	.1	1.9	.0	5.6	5.6	7.1	-4.0
125.0	1.7	-.3	2.1	-1.6	-3.5	-1.6	.2	.0	-.9	.1	2.0	.0	5.6	5.8	7.2	-4.2
126.0	1.9	.3	1.8	-1.8	-3.7	-1.8	.4	.0	-1.0	.1	2.0	.0	5.5	6.4	7.4	-4.6
127.0	1.8	.3	1.6	-1.8	-3.9	-1.8	.4	.0	-1.0	.1	2.0	.0	5.3	6.5	7.0	-4.8
128.0	1.5	.5	1.6	-1.7	-3.6	-1.7	.4	.0	-1.0	.1	2.0	.0	5.3	6.2	6.8	-4.7
129.0	1.2	.4	1.6	-1.7	-3.5	-1.7	.4	.0	-1.0	.1	2.0	.0	5.5	6.0	6.7	-4.9
130.0	.5	1.9	2.1	.0	-3.0	.0	.3	.0	-.1	.0	2.2	.0	5.3	4.2	5.9	-3.6
131.0	.4	1.5	-.3	.0	-.1	.0	.3	.0	-.1	.0	-.9	.0	3.7	3.9	4.2	-3.5
132.0	.3	1.4	-.3	.0	-.1	.0	.3	.0	-.1	.0	-.9	.0	5.2	5.3	5.5	-5.0
133.0	.2	1.4	-.3	.0	-.1	.0	.3	.0	-.1	.0	-.9	.0	5.1	5.3	5.3	-5.1
134.0	.2	.7	-.3	.0	-.1	.0	.3	.0	-.6	.0	-1.0	.0	5.1	5.6	5.9	-4.8
135.0	.6	.7	-.3	.0	-.1	.0	.3	.0	-.6	.0	-1.0	.0	5.1	5.5	5.7	-4.9
145.0	-1.1	.9	-.3	-.0	-.2	-.0	.3	.0	-.4	.0	-.9	.0	4.6	5.0	3.6	-6.1
155.0	-2.4	.9	-.2	-.0	-.2	-.0	.3	.0	-.6	.0	-.8	.0	4.3	4.6	1.9	-7.0
165.0	-3.6	.8	-.2	-.0	-.2	-.0	.2	.0	-.4	.0	-.8	.0	4.0	4.3	.4	-7.8
175.0	-4.5	.8	-.2	-.0	-.2	-.0	.2	.0	-.4	.0	-.7	.0	3.7	3.9	-.8	-8.5
185.0	-5.3	.7	-.1	-.1	-.2	-.1	.2	.0	-.4	.0	-.7	.0	3.4	3.7	-1.9	-9.0
195.0	-6.0	.7	-.1	-.1	-.2	-.1	.2	.0	-.4	.0	-.6	.0	3.2	3.4	-2.8	-9.4
205.0	-6.5	.7	-.1	-.1	-.3	-.1	.2	.0	-.4	.0	-.6	.0	3.0	3.2	-3.6	-9.7
215.0	-6.9	.7	-.1	-.1	-.3	-.1	.2	.0	-.4	.0	-.5	.0	2.8	3.0	-4.1	-9.9
225.0	-7.1	.6	-.1	-.1	-.3	-.1	.2	.0	-.4	.1	-.5	.0	2.6	2.8	-4.5	-9.9
235.0	-7.2	.6	-.1	-.1	-.3	-.1	.2	.0	-.5	.1	-.5	.0	2.4	2.6	-4.8	-9.7
245.0	-7.1	.6	-.0	-.1	-.3	-.1	.1	.0	-.5	.1	-.4	.0	2.2	2.4	-4.9	-9.5
255.0	-7.1	.6	-.0	-.1	-.3	-.1	.1	.0	-.5	.1	-.4	.0	2.1	2.2	-4.9	-9.2
265.0	-6.7	.4	-.0	-.1	-.3	-.1	.1	.0	-.5	.1	-.4	.0	1.9	2.1	-4.3	-8.3
275.0	-14.7	.4	.1	-.1	-.3	-.1	.1	.0	-1.0	.1	-.3	.4	2.7	1.8	-12.6	-16.2

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	ALPHA POS			
285.0	-14.5	-.5	.1	.1	.3	.0	-.1	.0	1.0	-.1	.2	-.0	1.7	1.8	-12.8	-16.3
295.0	-14.3	-.5	.1	.1	.3	.0	-.1	.0	1.0	-.2	.2	-.0	1.7	1.8	-12.8	-16.1
305.0	-14.2	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.7	1.8	-12.6	-16.0
315.0	-14.0	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.6	1.7	-12.4	-15.8
325.0	-13.8	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.6	1.7	-12.2	-15.5
335.0	-13.4	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.6	1.7	-11.9	-15.1
345.0	-13.1	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.5	1.6	-11.5	-14.7
355.0	-12.6	-.4	.1	.1	.3	.0	-.1	.0	1.1	-.2	.2	-.0	1.5	1.6	-11.1	-14.2
365.0	-12.1	-.3	.1	.1	.3	.0	-.1	.0	1.1	-.2	.1	.0	1.5	1.5	-10.5	-13.5
375.0	-11.5	-.3	.1	.1	.3	.0	-.1	.0	1.1	-.2	.1	.0	1.4	1.5	-10.1	-13.1
385.0	-10.9	-.3	.1	.1	.3	.0	-.1	.0	1.1	-.2	.1	.0	1.4	1.5	-9.5	-12.4
395.0	-10.3	-.3	.1	.1	.3	.0	-.1	.0	1.0	-.2	.1	.0	1.4	1.4	-8.9	-11.7
405.0	-9.6	-.2	.1	.1	.3	.0	-.0	.0	1.0	-.2	.1	.0	1.3	1.4	-8.2	-11.0
415.0	-8.8	-.2	.1	.1	.2	.0	-.0	.0	1.0	-.2	.1	.0	1.3	1.4	-7.5	-10.2
425.0	-8.0	-.2	.1	.1	.2	.0	-.0	.0	1.0	-.2	.1	.0	1.3	1.3	-6.7	-9.4
435.0	-7.2	-.2	.1	.1	.2	.0	-.0	.0	1.0	-.2	.0	.0	1.3	1.3	-5.9	-8.5
445.0	-6.3	-.1	.1	.1	.2	.0	-.0	-.0	1.0	-.2	.0	.0	1.2	1.3	-5.1	-7.6
455.0	-5.4	-.1	.1	.1	.2	.0	-.0	-.0	.9	-.2	.0	.0	1.2	1.3	-4.2	-6.7
465.0	-4.4	-.1	.1	.1	.2	.0	.0	-.0	.9	-.2	.0	.0	1.2	1.2	-3.3	-5.7
475.0	-3.5	-.0	.1	.1	.1	.0	.0	-.0	.9	-.2	-.0	.0	1.2	1.2	-2.3	-4.7
485.0	-2.5	.0	.1	.0	.1	.0	.0	-.0	.9	-.2	-.0	.0	1.2	1.2	-1.3	-3.7
495.0	-1.5	.1	.1	.0	.1	.0	.0	-.0	.8	-.2	-.1	.0	1.2	1.2	-.3	-2.7
505.0	-.4	.1	.1	.0	.1	.0	.0	-.0	.8	-.2	-.1	.0	1.2	1.2	.8	-1.7
515.0	.4	.3	.1	.0	.1	.0	.0	-.0	.7	-.2	-.1	.0	1.3	1.2	1.7	-.8
525.0	1.7	.1	.0	.0	.0	.0	.0	-.0	.7	-.1	-.1	.0	1.3	1.3	2.9	.3
535.0	2.6	.3	.0	.0	.3	.0	.1	-.0	.6	-.1	-.1	.0	1.3	1.3	3.9	1.3
545.0	3.5	.4	.0	.0	-.0	.0	.1	-.0	.6	-.1	-.2	.0	1.4	1.4	4.9	2.1
555.0	4.4	.5	.0	.0	-.0	.0	.1	-.0	.4	-.1	-.2	.0	1.5	1.5	5.8	2.9
565.0	5.[illegible]	.8	.0	-.0	-.1	.0	.1	-.0	.3	-.1	-.2	.0	1.6	1.5	6.6	3.5

PROPULSION

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
285.0	-14.5	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.1	-.3	.0	1.7	1.8	-12.8	-16.3
295.0	-14.3	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.1	-.2	.0	1.7	1.8	-12.6	-16.1
305.0	-14.2	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.7	1.8	-12.6	-16.0
315.0	-14.0	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.6	1.7	-12.4	-15.8
325.0	-13.8	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.6	1.7	-12.2	-15.5
335.0	-13.4	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.6	1.7	-11.9	-15.1
345.0	-13.1	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.5	1.6	-11.5	-14.7
355.0	-12.6	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.5	1.6	-11.1	-14.2
365.0	-12.0	.4	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.2	.0	1.5	1.5	-11.5	-14.5
375.0	-11.5	.3	.1	-.1	-.3	-.1	.1	.0	-1.1	.2	-.1	.0	1.4	1.5	-10.1	-13.1
385.0	-10.9	.3	.1	-.1	-.3	-.1	.0	.0	-1.1	.2	-.1	.0	1.4	1.5	-9.5	-12.4
395.0	-10.3	.3	.1	-.1	-.3	-.1	.0	.0	-1.1	.2	-.1	.0	1.4	1.4	-8.9	-11.7
405.0	-9.6	.3	.1	-.1	-.3	-.1	.0	.0	-1.1	.2	-.1	.0	1.3	1.4	-8.2	-11.0
415.0	-8.8	.2	.1	-.1	-.2	-.1	.0	.0	-1.1	.2	-.1	.0	1.3	1.4	-7.5	-10.2
425.0	-8.0	.2	.1	-.1	-.2	-.1	.0	.0	-1.1	.2	-.1	.0	1.3	1.3	-6.7	-9.4
435.0	-7.2	.2	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.1	.0	1.3	1.3	-5.9	-8.5
445.0	-6.3	.1	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.0	.0	1.2	1.3	-5.1	-7.6
455.0	-5.4	.1	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	-.0	.0	1.2	1.3	-4.2	-6.7
465.0	-4.4	.0	.1	-.1	-.2	-.1	.0	.0	-1.0	.2	.0	.0	1.2	1.2	-3.3	-5.7
475.0	-3.5	-.0	.1	-.1	-.1	-.1	.0	.0	-1.0	.2	.0	.0	1.2	1.2	-2.3	-4.7
485.0	-2.5	-.1	.1	-.0	-.1	-.0	.0	.0	-.9	.2	.0	.0	1.2	1.2	-1.3	-3.7
495.0	-1.5	-.1	.1	-.0	-.1	-.0	-.0	.0	-.9	.2	.1	.0	1.2	1.2	-.3	-2.7
505.0	-.4	-.2	.1	-.0	-.1	-.0	-.0	.0	-.9	.2	.1	.0	1.2	1.2	.8	-1.7
515.0	.4	-.1	.1	-.0	-.1	-.0	-.0	.0	-.8	.2	.1	.0	1.3	1.2	1.7	-.8
525.0	1.7	-.4	.1	-.0	-.0	-.0	-.0	.0	-.8	.1	.1	.0	1.3	1.3	2.9	.3
535.0	2.6	-.5	.1	.0	.0	.0	-.0	.0	-.7	.1	.1	.0	1.3	1.3	3.9	1.3
545.0	3.5	-.5	.1	.0	.0	.0	-.0	.0	-.6	.1	.2	.0	1.4	1.4	4.9	2.1
555.0	4.4	-.7	.0	.0	.0	.0	-.1	.0	-.5	.1	.2	.0	1.5	1.5	5.8	2.9
565.0	5.0	-.7	.0	.0	.1	.0	-.1	.0	-.4	.0	.2	.0	1.6	1.5	6.6	3.5

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	-3.1	.0	-1.5	-.3	.0	.0	.0	-.1	.0	1.5	1.5	-1.6	-4.7
51.0	-3.3	-.0	-1.3	-.2	-.0	.0	.0	-.1	.0	1.5	1.4	-1.7	-4.6
52.0	-3.2	-.1	-1.1	-.2	-.0	.0	.0	-.1	.0	1.3	1.2	-1.8	-4.4
53.0	-3.1	-.1	-1.1	-.2	.0	.0	.0	-.1	.1	1.2	1.2	-1.9	-4.3
54.0	-3.1	-.1	-1.1	-.2	.0	.0	.0	-.1	.1	1.2	1.2	-1.9	-4.3
55.0	-3.1	-.1	-1.1	-.3	.0	.0	.0	-.1	.0	1.2	1.3	-1.9	-4.3
56.0	-3.1	-.0	-1.1	-.3	.0	.0	.0	-.1	.0	1.2	1.2	-1.9	-4.3
57.0	-3.1	-.0	-1.0	-.3	.0	.0	.0	-.1	.0	1.3	1.2	-1.9	-4.3
58.0	-3.1	-.1	-1.0	-.3	.0	.0	.0	-.1	.0	1.3	1.1	-1.7	-4.2
59.0	-3.0	-.1	-1.0	-.3	.0	.0	.0	-.1	-.0	1.5	1.1	-1.6	-4.2
60.0	-3.0	-.1	-1.0	-.3	.0	.0	.0	-.1	.0	1.6	1.2	-1.9	-4.1
61.0	-2.8	-.1	-.9	-.2	.0	.0	-.0	-.2	.0	1.6	1.2	-1.2	-4.0
62.0	-2.5	-.2	-.9	-.3	.0	.0	-.0	-.3	.1	1.5	1.4	-1.0	-3.9
63.0	-2.3	-.1	-.9	-.3	.0	.0	-.0	-.2	.1	1.5	1.5	-.8	-3.8
64.0	-2.2	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.6	1.5	-.6	-3.7
65.0	-2.0	-.1	-.9	-.4	.0	.0	-.0	-.1	.1	1.6	1.5	-.4	-3.5
66.0	-1.8	-.1	-.9	-.3	.0	.0	-.0	-.2	.1	1.7	1.4	-.1	-3.2
67.0	-1.5	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.6	1.5	.2	-2.9
68.0	-1.2	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.6	1.5	.5	-2.7
69.0	-.9	-.1	-.9	-.4	.0	.0	-.0	-.2	.1	1.7	1.5	.8	-2.4
70.0	-.7	-.1	-.8	-.4	.0	.0	-.0	-.2	.1	1.7	1.6	1.0	-2.3
71.0	-.5	-.1	-.8	-.4	.0	.0	-.0	-.2	.1	1.8	1.6	1.3	-2.1
72.0	-.3	-.1	-.8	-.4	.0	.0	-.0	-.2	.1	1.9	1.6	1.5	-1.9
73.0	-.1	-.1	-.8	-.4	.0	.0	-.0	-.2	.1	1.9	1.6	1.8	-1.7
74.0	.1	-.2	-.8	-.5	.0	.0	-.0	-.2	.1	2.0	1.7	2.2	-1.5
75.0	.4	-.2	-.8	-.5	.0	.0	-.0	-.2	.1	2.1	1.7	2.5	-1.4
76.0	.6	-.2	-.8	-.5	.0	.0	-.0	-.2	.1	2.2	1.8	2.8	-1.2
77.0	.9	-.2	-.7	-.6	.0	.0	-.0	-.2	.0	2.3	1.9	3.2	-1.0
78.0	1.2	-.2	-.7	-.6	.0	.0	-.0	-.2	.1	2.3	1.9	3.5	-.8
79.0	1.4	-.2	-.7	-.6	.0	.0	-.0	-.2	.1	2.2	2.0	3.7	-.6
80.0	1.7	-.2	-.7	-.6	.0	.0	-.0	-.2	.0	2.0	2.1	3.8	-.4
81.0	2.0	-.2	-.7	-.7	.0	.0	-.0	-.2	.0	1.8	2.2	3.8	-.2
82.0	2.2	-.2	-.7	-.8	.1	.0	-.0	-.1	.0	1.8	2.2	4.0	.0
83.0	2.2	-.1	-.6	-.9	.1	.0	-.0	-.1	.0	1.7	2.1	4.0	.2
84.0	2.2	-.1	-.6	-1.0	.1	.0	-.0	-.1	.0	1.8	1.9	4.0	.3
85.0	2.2	-.1	-.7	-1.1	.1	.0	-.0	-.1	-.0	1.9	1.9	4.1	.3
86.0	2.2	-.1	-.6	-1.1	.1	.0	-.0	-.1	-.0	1.7	1.9	3.9	.3
87.0	2.0	-.1	-.5	-.9	.1	.0	-.0	-.1	-.0	1.9	1.6	3.9	.4
88.0	1.9	-.1	-.5	-1.0	.1	.0	-.0	-.1	-.1	2.1	1.7	4.0	.2
89.0	1.9	-.2	-.6	-1.1	.1	.1	-.0	-.1	-.1	2.1	1.8	4.0	.0
90.0	1.9	-.2	-.6	-1.1	.1	.1	-.0	-.1	-.1	2.1	1.9	4.0	-.0
91.0	1.9	-.2	-.6	-1.1	.1	.1	-.0	-.1	-.1	2.1	2.1	4.0	-.2
92.0	1.9	-.2	-.7	-1.1	.1	.1	-.0	-.1	-.1	2.1	2.2	4.0	-.3
93.0	1.9	-.1	-.7	-1.2	.1	.1	-.0	-.1	-.1	2.1	2.2	4.0	-.3
94.0	1.9	-.1	-.7	-1.2	.1	.1	-.0	-.1	-.1	2.1	2.2	4.0	-.3
95.0	1.9	-.2	-.7	-1.2	.1	.1	-.0	-.1	-.1	2.2	2.2	4.1	-.3
96.0	1.9	-.1	-.7	-1.2	.1	.1	-.0	-.1	-.1	1.9	2.1	3.9	-.2
97.0	1.8	-.2	-.7	-1.0	.1	.1	-.0	-.1	-.1	2.2	1.9	4.0	-.1
98.0	1.9	-.2	-.8	-1.2	.1	.1	-.0	-.2	-.1	2.1	2.2	4.0	-.3
99.0	2.0	-.2	-.8	-1.2	.1	.1	-.0	-.1	-.1	2.1	2.2	4.0	-.2

AEROZENITRON

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
50.0	-3.1	.0	1.4	.2	.0	.0	.0	.0	-.0	1.5	1.5	-1.6	-4.7
51.0	-3.3	.0	1.3	.3	.0	.0	.0	.1	-.1	1.5	1.4	-1.7	-4.6
52.0	-3.2	.1	1.2	.2	.0	-.0	.0	.1	-.2	1.3	1.2	-1.8	-4.4
53.0	-3.1	.1	1.1	.2	.0	-.0	.0	.1	-.1	1.2	1.2	-1.9	-4.3
54.0	-3.1	.1	1.0	.2	.0	-.0	.0	.1	-.1	1.2	1.2	-1.9	-4.3
55.0	-3.0	.0	1.0	.2	.0	.0	.0	.1	-.1	1.2	1.3	-1.9	-4.3
56.0	-3.1	.0	1.0	.3	.0	.0	.0	.1	-.1	1.2	1.2	-1.9	-4.3
57.0	-3.1	.0	1.0	.3	.0	.0	.0	.1	-.1	1.2	1.2	-1.9	-4.3
58.0	-3.1	.1	1.0	.3	.0	.0	.0	.1	-.1	1.3	1.2	-1.9	-4.3
59.0	-3.0	.1	1.0	.3	.0	.0	.0	.1	-.1	1.5	1.1	-1.6	-4.2
60.0	-3.0	.1	.9	.3	.0	.0	.0	.1	-.2	1.6	1.2	-1.4	-4.1
61.0	-2.8	.2	.9	.3	.0	.0	.0	.2	-.1	1.6	1.2	-1.2	-4.0
62.0	-2.5	.2	.9	.3	.0	.0	.0	.2	-.1	1.5	1.4	-1.0	-3.9
63.0	-2.3	.1	.9	.3	.0	.0	.0	.2	-.2	1.5	1.5	-.8	-3.8
64.0	-2.2	.1	1.0	.4	.0	.0	.0	.2	-.2	1.6	1.5	-.6	-3.7
65.0	-2.0	.1	1.0	.4	.0	-.0	.0	.2	-.1	1.6	1.5	-.4	-3.5
66.0	-1.8	.1	.9	.4	.0	-.0	.0	.2	-.1	1.7	1.4	-.1	-3.2
67.0	-1.5	.1	.9	.4	.0	-.0	.0	.2	-.1	1.6	1.5	.2	-2.9
68.0	-1.2	.1	.9	.4	.0	-.0	.0	.2	-.1	1.6	1.5	.5	-2.7
69.0	-.9	.1	.8	.6	.0	-.0	.0	.2	-.1	1.7	1.5	.8	-2.4
70.0	-.7	.1	.8	.6	.0	-.0	.0	.2	-.0	1.7	1.6	1.0	-2.3
71.0	-.5	.1	.8	.5	-.0	-.0	.0	.2	-.0	1.8	1.6	1.3	-2.1
72.0	-.3	.1	.8	.5	-.0	-.0	.0	.2	.0	1.9	1.6	1.5	-1.9
73.0	-.1	.2	.8	.5	-.0	-.0	.0	.2	.0	1.9	1.6	1.8	-1.7
74.0	.1	.2	.8	.5	-.0	-.0	.0	.2	.0	2.0	1.7	2.2	-1.5
75.0	.4	.2	.8	.5	-.0	-.0	.0	.2	.0	2.1	1.7	2.5	-1.4
76.0	.6	.2	.8	.6	-.0	-.0	.0	.2	.0	2.2	1.8	2.8	-1.2
77.0	.9	.2	.7	.6	-.0	-.0	.0	.2	.0	2.3	1.9	3.2	-1.0
78.0	1.2	.2	.7	.7	-.0	-.0	.0	.2	.1	2.3	1.9	3.5	-.8
79.0	1.4	.2	.7	.7	-.0	-.0	.0	.2	.1	2.2	2.0	3.7	-.6
80.0	1.7	.2	.7	.7	-.0	-.0	.0	.2	.1	2.0	2.1	3.8	-.4
81.0	2.0	.2	.6	.8	-.0	-.0	.0	.2	.1	1.8	2.2	3.9	-.2
82.0	2.2	.2	.6	.8	-.0	-.0	.0	.1	.0	1.9	2.2	4.0	.0
83.0	2.2	.1	.6	.9	-.0	-.0	.0	.1	.0	1.7	2.1	4.0	.2
84.0	2.2	.1	.7	1.1	-.0	-.0	.0	.1	.0	1.8	1.9	4.0	.3
85.0	2.2	.1	.6	1.1	-.0	-.0	.0	.1	.0	1.9	1.9	4.1	.3
86.0	2.2	.1	.5	1.0	-.0	-.0	.0	.0	.0	1.7	1.9	3.9	.3
87.0	2.0	.1	.5	1.0	-.0	-.0	.0	.1	.1	1.9	1.6	3.9	.4
88.0	1.9	.2	.5	1.1	-.0	-.0	.1	.1	.1	2.1	1.7	4.0	.2
89.0	1.9	.2	.6	1.1	-.0	-.0	.1	.1	.1	2.1	1.8	4.0	.0
90.0	1.9	.2	.6	1.2	-.0	-.0	.1	.1	.1	2.1	1.9	4.0	-.0
91.0	1.9	.2	.6	1.2	-.0	-.0	.1	.1	.1	2.1	2.1	4.0	-.2
92.0	1.9	.1	.6	1.2	-.0	-.0	.1	.1	.1	2.1	2.2	4.0	-.3
93.0	1.9	.1	.6	1.2	-.0	-.0	.1	.1	.1	2.1	2.2	4.0	-.3
94.0	1.9	.1	.7	1.2	-.0	-.0	.1	.1	.1	2.1	2.2	4.0	-.3
95.0	1.9	.2	.7	1.2	-.1	-.1	.0	.2	.1	2.7	2.2	4.1	-.3
96.0	1.9	.1	.6	1.1	-.0	-.0	.0	.1	.1	1.9	2.1	3.9	-.2
97.0	1.9	.2	.7	1.2	-.0	-.1	.0	.1	.1	2.2	1.9	4.0	-.1
98.0	1.9	.2	.7	1.2	-.0	-.1	.0	.1	.1	2.1	2.2	4.0	-.3
99.0	2.0	.2	.7	1.3	-.0	-.1	.0	.1	.1	2.1	2.2	4.0	-.2

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	2.0	-.1	-.8	-1.2	.1	.1	-.0	-.1	-.1	2.1	2.2	4.0	-.2
101.0	2.0	-.1	-.8	-1.3	.1	.1	-.0	-.1	-.1	2.0	2.3	4.0	-.3
102.0	2.0	-.1	-.8	-1.3	.1	.1	-.0	-.1	-.1	2.0	2.2	4.0	-.2
103.0	2.0	-.1	-.8	-1.3	.1	.1	-.0	-.1	-.1	2.0	2.1	4.0	-.2
104.0	1.9	-.1	-.8	-1.3	.1	.1	-.0	-.1	-.1	2.0	2.1	4.0	-.2
105.0	1.9	-.1	-.8	-1.3	.1	.1	-.0	-.1	-.1	2.1	2.1	4.0	-.2
106.0	1.	-.1	-.9	-1.3	.1	.1	-.0	-.1	-.1	2.1	2.1	4.0	-.2
107.0	1.9	-.1	-.9	-1.3	.1	.1	-.0	-.1	-.1	2.1	2.1	4.0	-.2
108.0	1.8	-.1	-.9	-1.3	.1	.1	-.0	-.1	-.1	2.2	2.0	4.0	-.2
109.0	1.8	-.1	-.9	-1.3	.1	.1	-.0	-.1	-.1	2.2	2.1	4.0	-.2
110.0	1.8	-.1	-.9	-1.3	.1	.1	-.0	-.1	-.1	2.1	2.0	4.0	-.2
111.0	1.9	-.2	-.8	-1.2	.1	.1	-.0	-.2	-.1	2.0	2.0	3.9	-.2
112.0	2.0	-.3	-.8	-1.1	.1	.1	-.0	-.3	-.1	2.0	2.1	3.9	-.1
113.0	2.0	-.4	-.7	-.9	.0	.1	-.0	-.4	-.1	2.2	2.2	4.2	-.2
114.0	1.9	-.5	-.6	-.7	.0	.1	-.0	-.5	-.1	2.8	2.3	4.7	-.3
115.0	1.7	-.6	-.5	-.3	.0	.0	-.0	-.6	-.2	3.8	2.4	5.5	-.7
116.0	1.5	-.8	-.3	.0	.0	.0	-.0	-.8	-.2	4.7	2.8	6.2	-1.4
117.0	1.4	-1.0	-.2	.3	-.0	.0	-.0	-1.0	-.3	5.4	3.4	6.7	-2.0
118.0	1.3	-1.1	-.1	.4	-.0	.0	-.0	-1.2	-.3	5.7	3.9	7.0	-2.6
119.0	1.3	-1.2	-.1	.5	-.0	-.0	-.0	-1.3	-.3	5.9	4.3	7.2	-3.0
120.0	1.3	-1.2	-.0	.7	-.0	-.0	-.0	-1.3	-.3	6.0	4.6	7.4	-3.2
121.0	1.4	-1.3	.1	.9	-.1	-.0	-.0	-1.4	-.3	6.1	4.9	7.5	-3.5
122.0	1.5	-1.4	.1	1.0	-.1	-.0	-.0	-1.5	-.4	5.9	5.1	7.4	-3.6
123.0	1.5	-1.5	.2	1.0	-.1	-.0	-.0	-1.6	-.4	5.7	5.4	7.2	-3.8
124.0	1.6	-1.6	.3	1.0	-.1	-.1	-.0	-1.7	-.4	5.5	5.6	7.1	-4.0
125.0	1.7	-1.6	.3	1.0	-.1	-.1	-.0	-1.8	-.4	5.6	5.8	7.2	-4.2
126.0	1.9	-1.8	.2	.8	-.1	-.1	-.1	-2.0	-.4	5.5	6.4	7.4	-4.6
127.0	1.8	-1.8	.2	.7	-.1	-.1	-.1	-2.0	-.4	5.3	6.5	7.0	-4.8
128.0	1.5	-1.7	.3	.7	-.1	-.1	-.1	-1.9	-.4	5.3	6.2	6.8	-4.7
129.0	1.2	-1.7	.4	.9	-.1	-.1	-.1	-1.9	-.4	5.5	6.0	6.7	-4.9
130.0	.6	.1	.5	1.1	.2	.2	-.1	.1	.2	5.3	4.2	5.9	-3.6
131.0	.4	.1	-1.9	-1.9	.2	.2	-.1	.1	.2	3.7	3.9	4.2	-3.5
132.0	.3	.1	-2.0	-3.3	.2	.2	-.1	.1	.2	5.2	5.3	5.5	-5.0
133.0	.2	.1	-1.9	-3.7	.2	.2	-.1	.1	.2	5.1	5.3	5.3	-5.1
134.0	.8	.1	-2.0	-3.9	.2	.2	-.1	-.1	.1	5.1	5.6	5.9	-4.8
135.0	.6	.0	-2.0	-3.8	.2	.2	-.1	-.1	.1	5.1	5.5	5.7	-4.9
145.0	-1.1	.0	-1.8	-3.4	.2	.2	-.1	-.1	.1	4.6	5.0	3.6	-6.1
155.0	-2.4	.0	-1.7	-3.1	.1	.1	-.1	-.1	.1	4.3	4.6	1.9	-7.0
165.0	-3.6	.0	-1.5	-2.9	.1	.1	-.1	-.1	.1	4.0	4.3	.4	-7.8
175.0	-4.5	-.0	-1.4	-2.7	.1	.1	-.0	-.1	.1	3.7	3.9	-.9	-8.5
185.0	-5.3	-.0	-1.3	-2.5	.1	.1	-.0	-.1	.1	3.4	3.7	-1.9	-9.0
195.0	-6.0	-.0	-1.2	-2.3	.1	.1	-.0	-.1	.1	3.2	3.4	-2.8	-9.4
205.0	-6.5	-.0	-1.1	-2.2	.1	.1	-.0	-.1	.1	3.0	3.2	-3.6	-9.7
215.0	-6.9	-.1	-1.1	-2.0	.1	.1	-.0	-.1	.1	2.9	3.0	-4.1	-9.9
225.0	-7.1	-.1	-1.0	-1.8	.1	.1	-.0	-.1	.1	2.6	2.8	-4.5	-9.9
235.0	-7.2	-.1	-.9	-1.7	.1	.1	-.0	-.1	.1	2.4	2.6	-4.8	-9.7
245.0	-7.1	-.1	-.8	-1.5	.1	.1	-.0	-.1	.1	2.2	2.4	-4.9	-9.5
255.0	-7.0	-.1	-.8	-1.5	.1	.0	-.0	-.1	.1	2.1	2.2	-4.9	-9.2
265.0	-6.7	-.1	-.7	-1.3	.1	.0	-.0	-.1	.0	1.9	2.1	-4.3	-8.3
275.0	-14.3	-.1	-.4	-.8	.0	.0	-.3	-.4	.0	1.7	1.8	-12.6	-16.2

AERO/ENVIRON

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	2.0	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.1	2.2	4.0	-.2
101.0	2.0	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.0	2.3	4.0	-.3
102.0	2.0	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.0	2.2	4.0	-.2
103.0	2.0	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.0	2.1	4.0	-.2
104.0	1.9	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.0	2.1	4.0	-.2
105.0	1.9	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.1	2.1	4.0	-.2
106.0	1.9	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.1	2.1	4.0	-.2
107.0	1.9	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.1	2.1	4.0	-.2
108.0	1.8	.1	.8	1.3	-.0	-.1	.0	.1	.1	2.2	2.0	4.0	-.2
109.0	1.8	.1	.8	1.4	-.0	-.1	.0	.1	.1	2.2	2.1	4.0	-.2
110.0	1.8	.1	.8	1.4	-.0	-.1	.0	.1	.1	2.1	2.0	4.0	-.2
111.0	1.9	.2	.8	1.3	-.0	-.1	.0	.2	.2	2.0	2.0	3.9	-.2
112.0	2.0	.3	.8	1.2	-.0	-.1	.0	.3	.2	2.0	2.1	3.9	-.1
113.0	2.1	.4	.7	1.1	-.0	-.1	.0	.4	.3	2.2	2.2	4.2	-.2
114.0	1.9	.5	.6	.9	-.0	-.1	.0	.6	.4	2.8	2.3	4.7	-.3
115.0	1.7	.7	.5	.6	-.0	-.1	.0	.8	.6	1.8	2.4	5.5	-.7
116.0	1.5	.9	.4	.3	.0	-.1	.0	1.0	.7	4.7	2.8	6.2	-1.4
117.0	1.4	1.0	.3	.0	.0	-.1	.0	1.1	.8	5.4	3.4	6.7	-2.0
118.0	1.3	1.1	.2	-.2	.0	-.1	.0	1.2	.8	5.7	3.9	7.0	-2.6
119.0	1.3	1.2	.1	-.3	.0	-.1	.0	1.3	.9	5.9	4.3	7.2	-3.0
120.0	1.3	1.3	.1	-.4	.0	-.1	.0	1.4	1.0	6.0	4.6	7.4	-3.2
121.0	1.4	1.4	.0	-.5	-.0	-.0	.0	1.5	1.1	6.1	4.9	7.5	-3.5
122.0	1.5	1.5	-.1	-.6	.0	-.0	.0	1.6	1.1	5.9	5.1	7.4	-3.6
123.0	1.5	1.5	-.1	-.6	.0	-.0	.0	1.6	1.1	5.7	5.4	7.2	-3.8
124.0	1.6	1.6	-.2	-.4	.0	-.0	-0	1.7	1.2	5.5	5.6	7.1	-4.0
125.0	1.7	1.6	-.1	-.0	.0	-.0	.0	1.8	1.2	5.6	5.8	7.2	-4.2
126.0	1.9	1.7	-.3	-1.2	.0	-.1	.0	1.8	1.3	5.5	6.4	7.4	-4.6
127.0	1.8	1.6	-.4	-1.3	.0	.0	.1	1.7	1.2	5.3	6.5	7.0	-4.8
128.0	1.6	1.6	-.4	-1.3	.0	.0	.1	1.7	1.2	5.3	6.2	6.8	-4.7
129.0	1.6	1.6	-.4	-1.2	.0	.0	.1	1.7	1.2	5.5	6.0	6.7	-4.9
130.0	.8	-.1	1.8	-.7	-.1	-.1	.1	-.1	-.1	5.3	4.2	5.9	-3.6
131.0	.8	-.1	1.8	1.1	-.1	-.1	.1	-.1	-.1	5.7	3.9	6.2	-3.5
132.0	.5	-.1	1.8	3.3	-.1	-.1	.1	-.1	-.1	5.2	5.3	5.5	-5.0
133.0	.2	-.1	1.8	3.2	-.1	-.1	.1	-.1	-.1	5.1	5.3	5.3	-5.1
134.0	.5	-.1	1.8	3.3	-.1	-.1	.1	.1	.0	5.1	5.6	5.9	-4.8
135.0	.6	-.1	1.8	3.3	-.1	-.1	.1	.1	.0	5.1	5.5	5.7	-4.9
145.0	-1.1	-.0	1.6	3.0	-.1	-.1	.1	.0	-.0	4.6	5.0	3.6	-6.1
155.0	-2.4	-.0	1.5	2.8	-.1	-.1	.0	.0	-.0	4.3	4.6	1.9	-7.0
165.0	-3.6	-.0	1.4	2.5	-.1	-.1	.0	.0	-.0	4.0	4.3	.4	-7.8
175.0	-4.5	.0	1.3	2.3	-.1	-.1	.0	.1	-.0	3.7	3.9	-.4	-8.5
185.0	-5.3	.0	1.2	2.2	-.1	-.1	.0	.1	-.0	3.4	3.7	-1.9	-9.0
195.0	-6.0	.0	1.1	2.1	-.1	-.1	.0	.1	-.0	3.2	3.4	-2.8	-9.4
205.0	-6.5	.0	1.0	1.9	-.1	-.1	.0	.1	.0	3.0	3.2	-3.6	-9.7
215.0	-6.9	.0	1.0	1.7	-.1	-.1	.0	.1	.0	2.8	3.0	-4.1	-9.9
225.0	-7.1	.0	.9	1.6	-.1	-.1	.0	.1	.0	2.6	2.8	-4.5	-9.9
235.0	-7.2	.1	.8	1.5	-.1	-.1	.0	.1	.0	2.4	2.6	-4.8	-9.7
245.0	-7.1	.1	.7	1.3	-.0	-.1	.0	.1	.0	2.2	2.4	-4.9	-9.5
255.0	-7.0	.1	.7	1.2	-.0	-.1	.0	.1	.0	2.1	2.2	-4.9	-9.2
265.0	-6.2	.1	.6	1.1	-.0	-.1	.0	.1	.0	1.9	2.1	-4.3	-8.3
275.0	-14.3	.1	.4	.6	-.0	-.1	.0	.4	.1	1.*	1.8	-12.6	-16.2

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-14.5	-.1	-.4	-.8	.0	.0	-.0	-.4	.0	1.7	1.8	-12.8	-16.3
295.0	-14.3	-.1	-.4	-.7	.0	.0	-.0	-.4	.0	1.7	1.8	-12.6	-16.1
305.0	-14.2	-.1	-.4	-.7	.0	.0	-.0	-.4	.0	1.7	1.8	-12.6	-16.0
315.0	-14.0	-.1	-.4	-.6	.0	.0	-.0	-.4	.0	1.6	1.7	-12.4	-15.8
325.0	-13.8	-.1	-.3	-.6	.0	.0	-.0	-.4	.0	1.6	1.7	-12.2	-15.5
335.0	-13.4	-.1	-.3	-.6	.0	.0	-.0	-.4	.0	1.6	1.7	-11.9	-15.1
345.0	-13.1	-.1	-.3	-.5	.0	.0	-.0	-.4	.0	1.5	1.6	-11.5	-14.7
355.0	-12.8	-.1	-.3	-.5	.0	.0	-.0	-.3	.0	1.5	1.6	-11.1	-14.2
365.0	-13.0	-.1	-.2	-.4	.0	.0	.0	-.3	.0	1.5	1.5	-11.5	-14.5
375.0	-11.5	-.1	-.2	-.4	.0	.0	.0	-.3	.0	1.4	1.5	-10.1	-13.1
385.0	-10.9	-.1	-.2	-.3	.0	.0	.0	-.3	.0	1.4	1.5	-9.5	-12.4
395.0	-10.3	-.1	-.1	-.3	.0	.0	.0	-.3	.0	1.4	1.4	-8.9	-11.7
405.0	-9.6	-.1	-.1	-.2	.0	.0	.0	-.3	.0	1.3	1.4	-8.2	-11.0
415.0	-8.8	-.1	-.1	-.1	.0	.0	.0	-.3	-.0	1.3	1.4	-7.5	-10.2
425.0	-9.0	-.1	-.1	-.1	.0	.0	.0	-.3	-.0	1.3	1.3	-6.7	-9.4
435.0	-7.2	-.1	-.0	-.1	.0	.0	.0	-.3	-.0	1.3	1.3	-5.9	-8.5
445.0	-6.3	-.1	.0	.0	.0	-.0	.0	-.2	-.0	1.2	1.3	-5.1	-7.6
455.0	-5.4	-.1	.0	.1	-.0	-.0	.0	-.2	-.0	1.2	1.3	-4.2	-6.7
465.0	-4.4	-.1	.1	.2	-.0	-.0	.0	-.2	-.0	1.2	1.2	-3.3	-5.7
475.0	-3.5	-.1	.1	.2	-.0	-.0	.0	-.2	-.0	1.2	1.2	-2.5	-4.7
485.0	-2.5	-.1	.2	.3	-.0	-.0	.0	-.2	-.0	1.2	1.2	-1.5	-3.7
495.0	-1.5	-.1	.2	.4	-.0	-.0	.0	-.2	-.0	1.2	1.2	-.5	-2.7
505.0	-.4	-.1	.2	.5	-.0	-.0	.0	-.1	-.0	1.2	1.2	.6	-1.7
515.0	.9	-.0	.3	.5	-.0	-.0	.0	-.1	-.0	1.3	1.2	1.7	-.8
525.0	1.7	-.0	.3	.6	-.0	-.0	.0	-.1	-.0	1.3	1.3	2.9	.3
535.0	2.6	-.0	.3	.7	-.0	-.0	.0	-.1	-.0	1.3	1.3	3.9	1.3
545.0	3.5	-.0	.4	.7	-.0	-.0	.0	-.1	-.0	1.4	1.4	4.9	2.1
555.0	4.4	-.0	.4	.8	-.0	-.0	.0	-.1	-.0	1.5	1.5	5.8	2.9
565.0	5.0	.0	.5	.9	-.0	-.0	.0	-.1	-.0	1.6	1.5	6.6	3.5

AERO/ENVTRON

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-14.5	.1	.4	.6	-.0	-.0	.0	.4	.1	1.7	1.8	-12.8	-16.3
295.0	-14.3	.1	.3	.6	-.0	-.0	.0	.4	.1	1.7	1.8	-12.6	-16.1
305.0	-14.2	.1	.3	.5	-.0	-.0	.0	.4	.1	1.7	1.8	-12.6	-16.0
315.0	-14.	.1	.3	.5	-.0	-.0	.0	.4	.1	1.6	1.7	-12.4	-15.8
325.0	-13	.1	.3	.4	-.0	-.0	.0	.4	.1	1.6	1.7	-12.2	-15.5
335.0	-13.4	.1	.3	.4	-.0	-.0	.0	.3	.1	1.6	1.7	-11.9	-15.1
345.0	-13.1	.1	.2	.4	-.0	-.0	.0	.3	.1	1.5	1.6	-11.5	-14.7
355.0	-12.6	.1	.2	.3	-.0	-.0	.0	.3	.1	1.5	1.6	-11.1	-14.2
365.0	-13.1	.1	.2	.3	.0	-.0	.0	.3	.1	1.5	1.5	-11.5	-14.5
375.0	-11.5	.1	.2	.2	.0	-.0	.0	.3	.1	1.4	1.5	-10.1	-13.1
385.0	-10.9	.1	.1	.2	.0	-.0	.0	.3	.1	1.4	1.5	-9.5	-12.4
395.0	-10.3	.1	.1	.2	.0	-.0	.0	.3	.1	1.4	1.4	-8.9	-11.7
405.0	-9.8	.1	.1	.1	.0	-.0	.0	.3	.1	1.3	1.4	-8.2	-11.0
415.0	-8.8	.1	.1	.1	.0	-.0	.0	.3	.1	1.3	1.4	-7.5	-10.2
425.0	-8.2	.1	.0	.0	.0	-.0	.0	.3	.1	1.3	1.3	-6.7	-9.4
435.0	-7.2	.1	.0	-.0	.0	.0	.0	.2	.1	1.3	1.3	-5.9	-8.5
445.0	-6.3	.1	-.0	-.1	.0	.0	.0	.2	.1	1.2	1.3	-5.1	-7.6
455.0	-5.4	.1	-.1	-.1	.0	.0	.0	.2	.1	1.2	1.3	-4.2	-6.7
465.0	-4.4	.1	-.1	-.2	.0	.0	.0	.2	.1	1.2	1.2	-3.3	-5.7
475.0	-3.4	.1	-.1	-.3	.0	.0	.0	.2	.1	1.2	1.2	-2.3	-4.7
485.0	-2.5	.1	-.1	-.3	.0	.0	.0	.2	.1	1.2	1.2	-1.3	-3.7
495.0	-1.5	.1	-.2	-.4	.0	.0	.0	.1	.0	1.2	1.2	-.3	-2.7
505.0	-.6	.1	-.2	-.4	.0	.0	.0	.1	.0	1.2	1.2	.8	-1.7
515.0	.4	.1	-.2	-.5	.0	.0	.0	.1	.0	1.3	1.2	1.7	-.8
525.0	1.7	.0	-.3	-.7	.0	.0	-.0	.1	.0	1.3	1.3	2.9	.3
535.0	2.	.0	-.3	-.6	.0	.0	-.0	.1	.0	1.4	1.3	3.9	1.3
545.0	3.5	.0	-.3	-.6	.0	.0	-.0	.1	.0	1.4	1.4	4.9	2.1
555.0	4.4	.0	-.4	-.7	.0	.0	-.0	.1	.0	1.5	1.5	5.8	2.9
565.0	5.0	.0	-.4	-.7	.0	.0	-.0	.1	.0	1.6	1.5	6.6	3.5

MASS PROP

ALPHA POS

TIME	NOR VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	-1.6	-4.7
51.0	-3.3	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.4	-1.7	-4.6
52.0	-3.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.8	-4.4
53.0	-3.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.9	-4.3
54.0	-3.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.9	-4.3
55.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	-1.9	-4.3
56.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	-1.9	-4.3
57.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	-1.9	-4.3
58.0	-3.1	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.1	-1.7	-4.2
59.0	-3.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.1	-1.6	-4.2
60.0	-2.9	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.2	-1.4	-4.1
61.0	-2.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.2	-1.2	-4.0
62.0	-2.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	-.8	-3.8
64.0	-2.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	-.6	-3.7
65.0	-2.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	-.4	-3.5
66.0	-1.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.4	-.1	-3.2
67.0	-1.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	.2	-2.9
68.0	-1.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	.5	-2.7
69.0	-.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.5	.8	-2.4
70.0	-.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	1.0	-2.3
71.0	-.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.6	1.3	-2.1
72.0	-.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	1.5	-1.9
73.0	-.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	1.8	-1.7
74.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.7	2.2	-1.5
75.0	.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	2.5	-1.4
76.0	.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.8	2.8	-1.2
77.0	.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	1.9	3.2	-1.0
78.0	1.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	1.9	3.5	-.8
79.0	1.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.0	3.7	-.6
80.0	1.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	3.8	-.4
81.0	2.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.2	3.8	-.2
82.0	2.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.2	4.0	.0
83.0	2.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	4.0	.2
84.0	2.2	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	1.8	1.9	4.0	.3
85.0	2.2	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	1.9	1.9	4.1	.3
86.0	2.2	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	3.9	.3
87.0	2.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.6	3.9	.4
88.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	1.7	4.0	.2
89.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	1.8	4.0	.0
90.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	1.9	4.0	-.0
91.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	2.1	4.0	-.2
92.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	2.2	4.0	-.3
93.0	1.9	-.1	.0	.0	.0	.0	-.0	.0	.0	.0	2.1	2.2	4.0	-.3
94.0	1.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.2	4.0	-.3
95.0	1.9	-.1	.1	.0	.0	.0	-.0	.0	.0	.0	2.2	2.2	4.1	-.3
96.0	1.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.1	3.9	-.2
97.0	1.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.9	4.0	-.1
98.0	1.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.2	4.0	-.3
99.0	2.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.2	4.0	-.2

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.1	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.5	-1.6	-4.7
51.0	-3.3	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.4	-1.7	-4.6
52.0	-3.2	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.3	1.2	-1.8	-4.4
53.0	-3.1	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.2	1.2	-1.9	-4.3
54.0	-3.1	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.2	1.2	-1.9	-4.3
55.0	-3.0	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.3	-1.9	-4.3
56.0	-3.1	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.2	1.2	-1.9	-4.3
57.0	-3.1	.0	.0	.0	.0	.0	.2	-.0	.0	.0	1.3	1.2	-1.9	-4.3
58.0	-3.1	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.3	1.1	-1.7	-4.2
59.0	-3.0	.0	-.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.1	-1.6	-4.2
60.0	-3.0	.0	.0	.0	.0	.0	.1	-.0	.0	.0	1.5	1.2	-1.4	-4.1
61.0	-2.8	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.2	-1.2	-4.0
62.0	-2.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.4	-1.0	-3.9
63.0	-2.3	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	-.8	-3.8
64.0	-2.2	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	-.6	-3.7
65.0	-2.0	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	-.4	-3.5
66.0	-1.8	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.7	1.4	-.1	-3.2
67.0	-1.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	.2	-2.9
68.0	-1.2	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.6	1.5	.5	-2.7
69.0	-.9	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.7	1.5	.8	-2.4
70.0	-.7	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.7	1.6	1.0	-2.3
71.0	-.5	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.8	1.6	1.3	-2.1
72.0	-.3	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.9	1.6	1.5	-1.9
73.0	-.1	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	1.9	1.6	1.8	-1.7
74.0	.1	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.0	1.7	2.2	-1.5
75.0	.4	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.1	1.7	2.5	-1.3
76.0	.6	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.2	1.8	2.9	-1.2
77.0	.9	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.3	1.9	3.2	-1.0
78.0	1.2	.1	-.0	.0	.0	.0	.1	-.0	.0	.0	2.3	1.9	3.5	-.8
79.0	1.4	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.2	2.0	3.7	-.6
80.0	1.7	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	2.0	2.1	3.8	-.4
81.0	2.0	.1	-.0	.0	.0	.0	.2	-.0	.0	.0	1.8	2.2	3.8	-.2
82.0	2.2	.1	-.0	.0	.0	.0	.2	.0	.0	.0	1.8	2.2	4.0	.0
83.0	2.4	.1	-.0	.0	.0	.0	.2	.0	.0	.0	1.7	2.1	4.0	.2
84.0	2.2	.1	-.0	.0	.0	.0	.3	.0	.0	.0	1.8	1.9	4.0	.3
85.0	2.4	.1	-.0	.0	.0	.0	.3	.0	.0	.0	1.9	1.9	4.1	.3
86.0	2.4	.0	-.0	.0	.0	.0	.3	.0	.0	.0	1.7	1.9	3.9	.3
87.0	2.0	.0	-.0	.0	.0	.0	.3	.0	.0	.0	1.9	1.8	3.9	.4
88.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	1.7	4.0	.2
89.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	1.8	4.0	.0
90.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	1.9	4.0	-.0
91.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	2.1	4.0	-.2
92.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	2.2	4.0	-.3
93.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	2.2	4.0	-.3
94.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.1	2.2	4.0	-.3
95.0	1.9	.1	-.0	.0	.0	.0	.3	.0	.0	.0	2.2	2.2	4.1	-.3
96.0	1.9	.1	-.0	.0	.0	.0	.2	.0	.0	.0	1.9	2.1	3.9	-.2
97.0	1.8	.1	-.0	.0	.0	.0	.2	.0	.0	.0	2.2	1.9	4.0	-.1
98.0	1.9	.1	-.0	.0	.0	.0	.2	.0	.0	.0	2.1	2.2	4.0	-.3
99.0	2.0	.1	-.0	.0	.0	.0	.2	.0	.0	.0	2.1	2.2	4.0	-.2

MASS PROP

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
295.0	-14.5	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.7	1.8	-12.8	-16.3
305.0	-14.3	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.7	1.8	-12.6	-16.1
315.0	-14.2	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.7	1.8	-12.6	-16.0
325.0	-13.8	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.6	1.7	-12.4	-15.8
335.0	-13.4	-.6	.0	.0	.0	-.0	.0	.0	-.1	.1	1.6	1.7	-12.2	-15.5
345.0	-13.1	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.6	1.7	-11.9	-15.1
355.0	-12.8	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.5	1.6	-11.5	-14.7
365.0	-12.0	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.5	1.6	-11.1	-14.2
375.0	-11.5	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.5	1.5	-11.5	-14.5
385.0	-10.9	-.6	.0	.0	.0	.0	.0	.0	-.1	.1	1.4	1.5	-10.1	-13.1
395.0	-10.3	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.4	1.5	-9.5	-12.4
405.0	-9.6	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.4	1.4	-8.9	-11.7
415.0	-8.8	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.4	-8.2	-11.0
425.0	-8.0	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.4	-7.5	-10.2
435.0	-7.2	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.3	-6.7	-9.4
445.0	-6.3	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.3	1.3	-5.9	-8.5
455.0	-5.4	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.3	-5.1	-7.6
465.0	-4.4	-.6	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.3	-4.2	-6.7
475.0	-3.5	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.2	-3.3	-5.7
485.0	-2.5	-.5	.0	.0	.0	.0	.0	.0	-.1	.2	1.2	1.2	-2.3	-4.7
495.0	-1.5	-.5	.0	.0	.0	.0	.0	.0	-.1	.3	1.2	1.2	-1.3	-3.7
505.0	-.4	-.5	.0	.0	.0	.0	.0	.0	-.1	.3	1.2	1.2	-.3	-2.7
515.0	.4	-.5	.0	.0	.0	.0	.0	-.0	-.2	.3	1.2	1.2	.8	-1.7
525.0	1.7	-.4	.0	.0	.0	.0	.0	-.0	-.2	.3	1.3	1.2	1.7	-.8
535.0	2.6	-.4	.0	.0	.0	.0	.0	-.0	-.2	.4	1.3	1.3	2.9	.3
545.0	3.5	-.4	.0	.0	.0	.0	.0	-.0	-.2	.4	1.3	1.3	3.9	1.3
555.0	4.4	-.4	.0	.0	.0	.0	.0	-.0	-.2	.4	1.4	1.4	4.9	2.1
565.0	5.2	-.3	.0	.0	.0	.0	.0	-.0	-.2	.5	1.5	1.5	5.8	2.9
											1.6	1.5	6.6	3.5

MASS PROP

ALPHA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
285.0	-14.5	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.7	1.8	-12.8	-16.3
295.0	-14.2	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.7	1.8	-12.6	-16.1
305.0	-14.2	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.7	1.8	-12.6	-16.0
315.0	-14.0	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.6	1.7	-12.4	-15.8
325.0	-13.8	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.6	1.7	-12.2	-15.5
335.0	-13.4	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.6	1.7	-11.9	-15.1
345.0	-13.1	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.5	1.6	-11.5	-14.7
355.0	-12.8	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.5	1.5	-11.1	-14.2
365.0	-13.0	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.5	1.5	-11.5	-14.5
375.0	-11.5	.6	-.0	.0	.0	.0	.0	-.0	.1	-.1	1.4	1.5	-10.1	-13.1
385.0	-10.9	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.4	1.5	-9.5	-12.4
395.0	-10.3	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.4	1.4	-8.9	-11.7
405.0	-9.6	.6	-.0	.0	.0	.0	.0	-.0	.1	-.2	1.3	1.4	-8.2	-11.0
415.0	-8.8	.6	-.0	.0	.0	.0	.0	.0	.1	-.2	1.3	1.4	-7.5	-10.2
425.0	-8.0	.6	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.3	1.3	-6.7	-9.4
435.0	-7.2	.6	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.3	1.3	-5.9	-8.5
445.0	-6.3	.6	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.3	-5.1	-7.6
455.0	-5.4	.6	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.3	-4.2	-6.7
465.0	-4.4	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.2	-3.3	-5.7
475.0	-3.5	.5	-.0	.0	.0	.0	-.0	.0	.1	-.2	1.2	1.2	-2.3	-4.7
485.0	-2.5	.5	-.0	.0	.0	.0	-.0	.0	.1	-.3	1.2	1.2	-1.3	-3.7
495.0	-1.5	.5	-.0	.0	.0	.0	-.0	.0	.2	-.3	1.2	1.2	-.3	-2.7
505.0	-.4	.5	-.0	.0	.0	.0	-.0	.0	.2	-.3	1.2	1.2	.8	-1.7
515.0	.4	.5	-.0	.0	.0	.0	-.0	.0	.2	-.3	1.3	1.2	1.7	-.8
525.0	1.7	.4	-.0	.0	.0	.0	-.0	.0	.2	-.3	1.3	1.3	2.9	.3
535.0	2.6	.4	-.0	.0	.0	-.0	-.1	.0	.2	-.4	1.3	1.3	3.9	1.3
545.0	3.5	.4	.0	.0	.0	-.0	-.1	.0	.2	-.4	1.4	1.4	4.9	2.1
555.0	4.4	.3	.0	.0	.0	-.0	-.1	.0	.2	-.4	1.5	1.5	5.8	2.9
565.0	5.1	.3	.0	.0	.0	-.0	-.1	.0	.2	-.5	1.6	1.5	6.6	3.5

GM/C

TIME	NOM VAL	1	2	3	4	5	6	7	8				ALPHA NEG
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-1.6	.0	.0	.9	.5	-.5	.0	.0	.0	2.1	2.0	.3	-3.8
2.0	5.0	.0	.0	-.1	.0	-.0	.0	.0	.0	.9	.9	5.9	4.1
3.0	7.3	.0	.0	-.5	-.2	-.0	.0	.0	.0	1.8	1.8	9.2	5.6
4.0	7.9	.0	.0	-.7	-.2	-.0	.0	.0	.0	2.3	2.2	10.1	5.7
5.0	7.9	.0	.0	-.9	-.2	-.0	.0	.0	.0	2.4	2.4	10.3	5.5
6.0	7.6	.0	.0	-.9	-.2	.0	.0	.0	.0	2.6	2.4	10.2	5.2
7.0	7.4	.0	.0	-.9	-.2	-.0	.0	.0	.0	2.5	2.4	9.9	5.0
8.0	7.2	.0	.0	-.9	-.2	-.0	.0	.0	.0	2.4	2.4	9.6	4.8
9.0	7.0	.0	.0	-.9	-.2	-.1	.0	-.0	.0	2.3	2.3	10.0	5.3
10.0	9.1	.0	.0	-.8	-.2	-.2	.0	-.0	.0	2.4	2.2	11.5	7.0
11.0	10.4	.0	.0	-.6	-.3	-.3	.0	-.0	.0	2.7	1.9	13.1	8.5
12.0	11.0	.0	.0	-.4	-.3	-.4	.0	-.0	.0	3.0	1.5	14.0	9.5
13.0	11.0	.0	.0	-.2	-.4	-.5	.0	-.0	.0	3.1	1.2	14.2	9.8
14.0	10.7	.0	.0	-.1	-.4	-.6	.0	-.0	.0	3.2	1.0	13.8	9.6
15.0	9.9	.0	.0	.1	-.4	-.6	.0	-.0	.0	3.0	1.0	12.9	8.9
16.0	8.6	.0	.0	.2	-.4	-.6	.0	-.0	.0	2.8	1.1	11.0	7.1
17.0	6.2	.0	.0	-.1	-.4	-.6	.0	-.0	.0	2.6	1.1	9.0	5.1
18.0	4.4	.0	.0	-.3	-.4	-.6	.0	-.0	.0	2.4	1.1	6.8	3.3
19.0	3.0	.0	.0	-.3	-.3	-.6	.0	-.0	.0	2.3	1.2	5.3	1.8
20.0	2.0	.0	.0	-.3	-.3	-.5	.0	-.0	.0	2.2	1.4	4.2	.6
21.0	1.4	.0	.0	-.2	-.3	-.5	.0	-.0	.0	2.1	1.5	3.4	-.2
22.0	.8	.0	.0	-.2	-.2	-.5	.0	-.0	.0	1.9	1.5	2.7	-.7
23.0	.3	.0	.0	-.2	-.2	-.5	.0	-.0	.0	1.7	1.5	2.1	-1.1
24.0	-.1	.0	.0	-.1	-.2	-.5	.0	.0	.0	1.5	1.4	1.4	-1.5
25.0	-.6	.0	.0	-.1	-.2	-.5	.0	.0	.0	1.3	1.2	.7	-1.8
26.0	-1.1	-.0	.0	-.1	-.1	-.5	.0	.0	.0	1.2	1.0	.1	-2.1
27.0	-1.8	-.1	.0	-.1	-.1	-.4	.0	.0	.0	1.1	.8	-.6	-2.6
28.0	-2.3	-.1	.0	-.1	-.1	-.4	.0	.0	.0	1.0	.8	-1.3	-3.1
29.0	-2.6	-.1	.0	-.2	-.1	-.4	.0	.0	.0	1.0	.8	-1.8	-3.5
30.0	-3.2	-.2	.0	-.2	-.1	-.3	.0	.0	.0	1.0	.8	-2.1	-4.0
31.0	-3.4	-.2	.0	-.3	-.1	-.3	.0	.0	.0	1.0	.9	-2.3	-4.3
32.0	-3.5	-.2	.0	-.3	-.1	-.2	.0	.0	.0	1.0	1.0	-2.4	-4.5
33.0	-3.5	-.2	.0	-.3	-.0	-.2	.0	.0	.0	1.0	1.1	-2.5	-4.6
34.0	-3.5	-.2	.0	-.3	-.0	-.2	.0	.0	.0	1.0	1.1	-2.5	-4.6
35.0	-3.6	-.3	.0	-.3	-.0	-.2	.0	.0	.0	1.0	1.1	-2.6	-4.6
36.0	-3.6	-.3	.0	-.3	-.0	-.2	.0	.0	.0	1.0	1.1	-2.6	-4.6
37.0	-3.6	-.3	.0	-.3	-.0	-.2	.0	.0	.0	1.1	1.0	-2.5	-4.7
38.0	-3.7	-.3	.0	-.3	-.0	-.1	.0	.0	.0	1.2	1.0	-2.5	-4.7
39.0	-3.6	-.3	.0	-.3	-.0	-.1	.0	.0	.0	1.2	1.0	-2.4	-4.6
40.0	-3.5	-.3	.0	-.3	-.0	-.1	.0	.0	.0	1.1	1.1	-2.4	-4.6
41.0	-3.3	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.0	1.2	-2.3	-4.5
42.0	-3.2	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.0	1.2	-2.3	-4.4
43.0	-3.3	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.0	1.0	-2.3	-4.4
44.0	-3.3	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.1	1.0	-2.3	-4.3
45.0	-3.3	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.1	1.1	-2.2	-4.4
46.0	-3.3	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.2	1.2	-2.1	-4.5
47.0	-3.2	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.3	1.3	-2.0	-4.6
48.0	-3.2	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.3	1.3	-1.6	-4.6
49.0	-3.1	-.2	.0	-.3	-.0	-.1	.0	.0	.0	1.4	1.6	-1.7	-4.7

GN/C

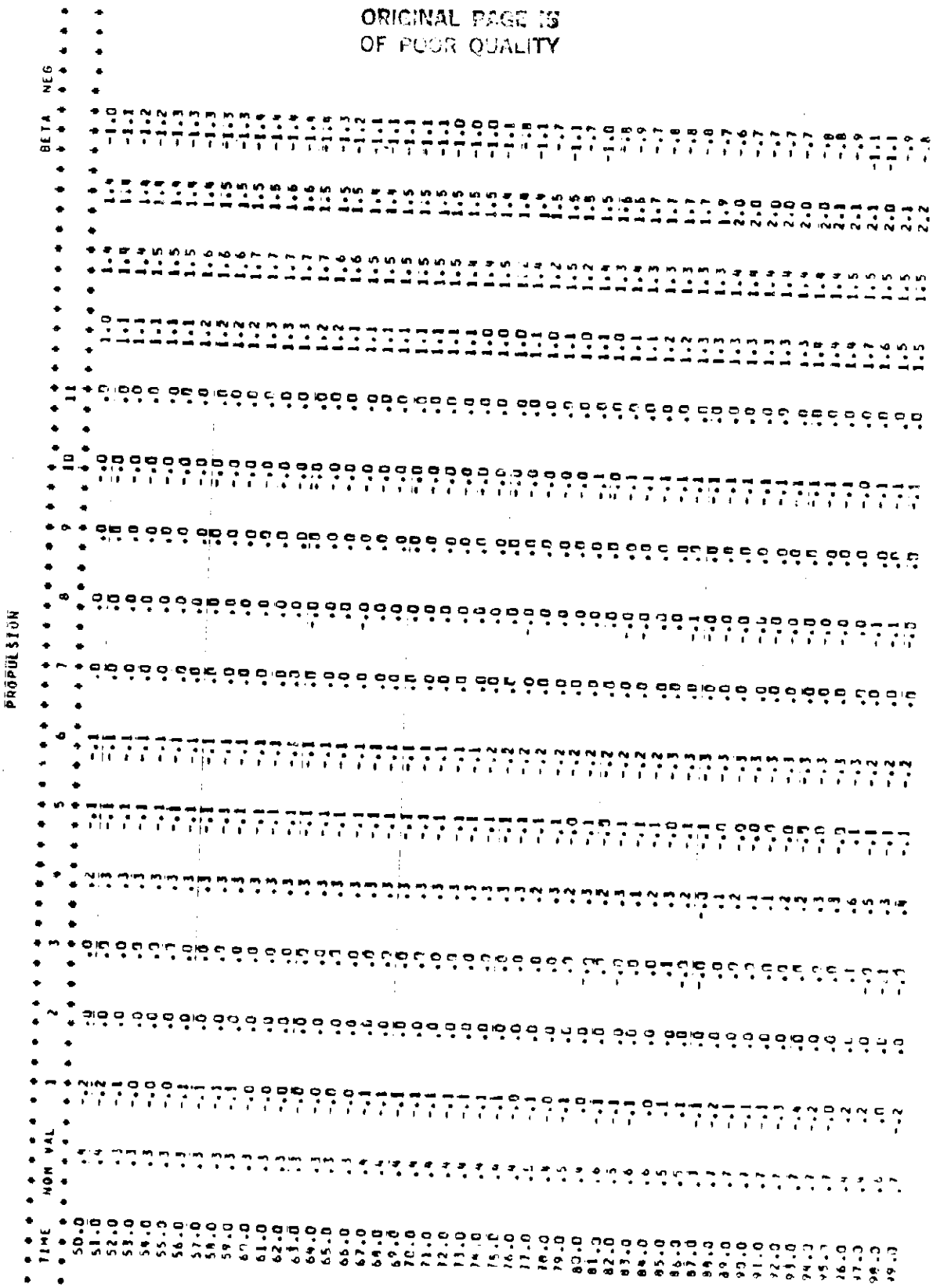
ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	2.0	-.6	.0	.1	.0	.4	-.0	.0	.0	2.1	2.2	4.0	-.2
101.0	2.0	-.6	.0	.1	.0	.4	-.0	.0	.0	2.0	2.3	4.0	-.3
102.0	2.0	-.6	.0	.1	.0	.4	-.0	.0	.0	2.0	2.2	4.0	-.2
103.0	2.0	-.6	.0	.1	.0	.4	-.0	.0	.0	2.0	2.1	4.0	-.2
104.0	1.9	-.6	.0	.1	.0	.4	-.0	.0	.0	2.0	2.1	4.0	-.2
105.0	1.9	-.6	.0	.1	.0	.4	-.0	.0	.0	2.1	2.1	4.0	-.2
106.0	1.9	-.5	.0	.1	.0	.4	-.0	.0	.0	2.1	2.1	4.0	-.2
107.0	1.9	-.5	.0	.1	.0	.4	-.0	.0	.0	2.1	2.1	4.0	-.2
108.0	1.8	-.5	.0	.1	.0	.4	-.0	.0	.0	2.2	2.0	4.0	-.2
109.0	1.8	-.5	.0	.0	.0	.4	-.0	.0	.0	2.2	2.1	4.0	-.2
110.0	1.8	-.5	.0	.0	.0	.4	-.0	.0	.0	2.1	2.0	4.0	-.2
111.0	1.9	-.5	.0	.1	.0	.3	-.0	.0	.0	2.0	2.0	3.9	-.2
112.0	2.0	-.4	.0	.1	.0	.3	-.0	.0	.0	2.0	2.1	3.9	-.1
113.0	2.0	-.3	-.0	.1	.0	.2	-.0	.0	.0	2.2	2.2	4.2	-.2
114.0	1.9	-.3	-.0	.1	.0	.1	-.0	.0	.0	2.8	2.3	4.7	-.3
115.0	1.7	-.1	-.0	.2	.0	-.0	-.0	.0	.0	3.8	2.4	5.5	-.7
116.0	1.5	.0	-.0	.2	.0	-.2	-.0	.0	.0	4.7	2.8	6.2	-1.4
117.0	1.4	.1	-.0	.2	.0	-.3	-.0	.0	.0	5.4	3.4	6.7	-2.0
118.0	1.3	.1	-.0	.2	.0	-.5	-.0	.0	.0	5.7	3.9	7.0	-2.6
119.0	1.3	.2	-.0	.2	.0	-.5	.0	.0	.0	5.9	4.3	7.2	-3.0
120.0	1.3	.2	-.0	.3	.0	-.6	.0	.0	.0	6.0	4.6	7.4	-3.2
121.0	1.4	.3	-.1	.2	.0	-.6	.0	.0	.0	6.1	4.9	7.5	-3.5
122.0	1.5	.4	-.1	.1	-.0	-.7	.0	.0	.0	5.9	5.1	7.4	-3.6
123.0	1.5	.4	-.1	-.1	-.0	-.8	.0	.0	.0	5.7	5.4	7.2	-3.8
124.0	1.6	.4	-.1	-.3	-.0	-.9	.0	.0	.0	5.5	5.6	7.1	-4.0
125.0	1.7	.4	-.1	-.5	-.1	-.8	.0	.0	.0	5.6	5.8	7.2	-4.2
126.0	1.9	.3	-.1	-.6	-.1	-.9	.0	-.0	.0	5.5	6.4	7.4	-4.6
127.0	1.8	.3	-.1	-.8	-.1	-1.1	.0	-.0	.0	5.3	6.5	7.0	-4.8
128.0	1.5	.5	-.1	-.7	-.1	-1.1	.0	-.0	.0	5.3	6.2	6.8	-4.7
129.0	1.2	.5	-.1	-.7	-.1	-1.0	.0	-.0	.0	5.5	6.0	6.7	-4.9
130.0	.6	-1.3	.0	-1.6	-.0	-.5	-.0	-.0	-.0	5.3	4.2	5.9	-3.6
131.0	.4	-1.4	.0	-1.6	-.0	1.3	-.0	-.0	-.0	3.7	3.9	4.2	-3.5
132.0	.3	-1.4	.0	-1.6	-.0	2.2	-.0	-.0	.0	5.2	5.3	5.5	-5.0
133.0	.2	-1.4	.0	-1.5	-.0	2.2	-.0	-.0	.0	5.1	5.3	5.3	-5.1
134.0	.3	-1.4	.0	-1.6	-.0	2.3	-.0	-.0	.0	5.1	5.6	5.9	-4.8
135.0	.6	-1.4	.0	-1.6	-.0	2.2	-.0	-.0	.0	5.1	5.5	5.7	-4.9
145.0	-1.1	-1.3	.0	-1.5	-.0	2.0	-.0	-.0	.0	4.6	5.0	3.6	-6.1
155.0	-2.4	-1.2	.0	-1.4	-.0	1.9	-.0	-.0	-.0	4.3	4.6	1.9	-7.0
165.0	-3.6	-1.1	.0	-1.3	-.0	1.7	-.0	-.0	-.0	4.0	4.3	.4	-7.8
175.0	-4.5	-1.0	.0	-1.2	-.0	1.6	-.0	-.0	-.0	3.7	3.9	-.8	-8.5
185.0	-5.3	-.9	.0	-1.1	-.0	1.5	-.0	-.0	-.0	3.4	3.7	-1.9	-9.0
195.0	-6.0	-.9	.0	-1.0	-.0	1.4	-.0	-.0	-.0	3.2	3.4	-2.8	-9.4
205.0	-6.5	-.8	.0	-.9	-.0	1.3	-.0	-.0	-.0	3.0	3.2	-3.6	-9.7
215.0	-6.9	-.7	.0	-.9	-.0	1.2	-.0	-.0	-.0	2.8	3.0	-4.1	-9.9
225.0	-7.1	-.7	.0	-.8	-.0	1.1	-.0	.0	-.0	2.6	2.8	-4.5	-9.9
235.0	-7.2	-.6	.0	-.7	-.0	1.0	-.0	.0	-.0	2.4	2.6	-4.8	-9.7
245.0	-7.1	-.6	.0	-.7	-.0	.9	-.0	.0	-.0	2.2	2.4	-4.9	-9.5
255.0	-7.0	-.5	.0	-.6	-.0	.8	-.0	.0	-.0	2.1	2.2	-4.9	-9.2
265.0	-6.2	-.5	.0	-.6	-.0	.9	.0	.0	-.0	1.9	2.1	-4.3	-8.3
275.0	-14.3	-.3	.0	-.4	-.0	.5	.0	.0	.1	1.7	1.8	+12.6	-16.2

PROPULSION
BETA NEG
TIME NON VAL

PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				BETA POS
50.0	.4	-.0	.0	-.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.0	1.4	1.4	-1.0
51.0	.4	.0	.0	-.0	.1	.0	.1	.0	.0	.0	.0	-.0	1.1	1.4	1.4	-1.1
52.0	.3	.1	.0	-.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.1	1.4	1.4	-1.2
53.0	.3	.2	.0	.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.1	1.5	1.4	-1.2
54.0	.3	.2	.0	.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.1	1.5	1.4	-1.3
55.0	.3	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.1	1.5	1.4	-1.3
56.0	.3	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.2	1.6	1.4	-1.3
57.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.2	1.6	1.5	-1.3
58.0	.3	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.2	1.6	1.5	-1.3
59.0	.3	.0	.0	-.0	.2	.0	.1	.0	.0	.0	.0	-.0	1.2	1.7	1.5	-1.4
60.0	.3	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	-.0	1.3	1.7	1.5	-1.4
61.0	.3	.1	.0	-.0	.3	.0	.1	.0	.0	.0	.0	.0	1.3	1.7	1.6	-1.4
62.0	.3	.1	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.3	1.7	1.6	-1.4
63.0	.3	.1	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.2	1.7	1.5	-1.4
64.0	.3	.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.2	1.6	1.5	-1.3
65.0	.3	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.1	1.6	1.5	-1.2
66.0	.3	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.4	-1.1
67.0	.4	.0	.0	.0	.3	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.4	-1.1
68.0	.4	.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.5	-1.1
69.0	.4	.0	.0	.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.5	-1.1
70.0	.4	.1	.0	-.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.5	-1.1
71.0	.4	.1	.0	.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.1	1.5	1.5	-1.0
72.0	.4	.1	.0	-.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.1	1.4	1.5	-1.0
73.0	.4	.1	.0	-.0	.2	.0	.1	-.0	.0	.0	.0	.0	1.0	1.4	1.5	-1.0
74.0	.4	.1	.0	.0	.2	.0	.2	-.0	.0	.0	.0	.0	1.0	1.5	1.4	-1.1
75.0	.4	.1	.0	.0	.2	.0	.2	-.0	.0	.0	.0	.0	1.0	1.2	1.4	-.8
76.0	.4	.1	.0	.0	.3	.0	.2	-.0	.0	.0	.0	.0	1.1	1.4	1.4	-1.1
77.0	.5	.0	.0	-.1	.2	.0	.2	-.0	.0	.0	.0	.0	1.0	1.2	1.5	-.7
78.0	.4	.1	.0	.0	.3	.0	.2	.0	.0	.0	.0	-.0	1.1	1.5	1.5	-1.1
79.0	.5	.0	.0	-.1	.1	.0	.2	-.0	.0	.0	.0	.0	1.0	1.2	1.5	-.7
80.0	.4	.1	.0	.0	.3	.0	.2	.0	.0	.0	.0	-.0	1.1	1.4	1.5	-1.0
81.0	.6	.0	.0	-.0	.1	.0	.2	-.0	.0	.0	.0	.0	1.0	1.3	1.5	-.8
82.0	.5	.1	.0	.0	.3	.0	.2	.0	.0	.0	.1	-.0	1.1	1.4	1.6	-.9
83.0	.6	.0	.0	-.0	.1	.0	.2	-.0	.0	.0	.1	.0	1.1	1.3	1.7	-.7
84.0	.6	-.0	.0	-.0	.0	.0	.3	-.0	.0	.0	.1	-.0	1.2	1.3	1.7	-.8
85.0	.5	.1	.0	-.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.2	1.3	1.7	-.8
86.0	.5	.1	.0	.1	.3	.0	.3	-.0	.0	.0	.1	.0	1.3	1.3	1.7	-.9
87.0	.7	.0	.0	.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.3	1.3	1.9	-.7
88.0	.7	-.1	.0	-.0	.0	.0	.3	-.0	.0	.0	.1	-.0	1.3	1.4	2.0	-.6
89.0	.7	-.1	.0	-.0	.0	.0	.3	-.0	.0	.0	.1	.0	1.3	1.4	2.0	-.7
90.0	.7	-.0	.0	-.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.3	1.4	2.0	-.7
91.0	.7	.1	.0	-.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.3	1.4	2.0	-.7
92.0	.7	.1	.0	-.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.3	1.4	2.0	-.7
93.0	.7	.1	.0	-.0	.1	.0	.3	-.0	.0	.0	.1	.0	1.4	1.4	2.0	-.8
94.0	.7	.1	.0	-.0	.2	.0	.3	-.0	.0	.0	.1	.0	1.4	1.4	2.1	-.8
95.0	.7	.1	.0	-.1	.0	.1	.3	-.1	-.0	.0	.0	.0	1.4	1.5	2.1	-.9
96.0	.4	.3	.0	-.1	.3	.0	.3	-.1	-.0	.0	.0	.0	1.7	1.5	2.1	-1.1
97.0	.4	.4	.0	.1	.6	.0	.2	-.1	.0	.0	.1	.0	1.6	1.5	2.0	-1.1
98.0	.6	.2	.0	.1	.6	.0	.2	-.1	.0	.0	.1	.0	1.5	1.5	2.1	-.9
99.0	.7	.0	.0	.0	.5	.0	.2	-.1	.0	.0	.1	.0	1.5	1.5	2.2	-.8



PROPULSION

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11	BETA	NEG
100.0	.6	-.2	.0	.0	.5	-.1	-.2	.0	-.0	.0	-.1	.0	1.5	1.5	2.3	-.8
101.0	.6	-.2	.0	.0	.6	-.0	-.2	.0	-.0	.0	-.1	.0	1.6	1.5	2.3	-.8
102.0	.7	-.2	.0	.0	.7	-.0	-.2	.0	.0	.0	-.0	.0	1.6	1.5	2.3	-.8
103.0	.6	-.2	.0	.0	.6	-.0	-.2	.0	.0	.0	-.0	.0	1.7	1.5	2.3	-.9
104.0	.6	-.1	.0	.0	.7	-.0	-.2	.0	-.0	.0	-.0	.0	1.7	1.6	2.3	-.9
105.0	.6	-.1	.0	.0	.7	-.1	-.2	.0	-.0	.0	-.0	.0	1.7	1.6	2.3	-1.0
106.0	.6	-.1	-.0	.0	.7	-.0	-.2	.0	-.0	.0	-.0	.0	1.7	1.6	2.3	-1.0
107.0	.6	-.1	.0	.0	.7	-.1	-.2	.0	-.0	.0	-.0	.0	1.7	1.6	2.3	-1.0
108.0	.6	-.0	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.0	.0	1.7	1.6	2.3	-1.0
109.0	.6	-.0	.0	.0	.6	-.1	-.2	.0	-.0	.0	-.0	.0	1.6	1.6	2.2	-1.0
110.0	.6	-.0	-.0	.0	.6	-.1	-.2	.0	-.0	.0	-.0	.0	1.6	1.7	2.2	-1.1
111.0	.6	-.0	-1.1	.0	.5	-.1	-.2	.0	-.0	.0	-.0	.0	1.9	2.1	2.5	-1.5
112.0	.6	-.1	-2.8	-.0	.5	-.1	-.2	.0	-.0	.0	-.0	.0	3.2	3.4	3.8	-2.8
113.0	.7	-.1	-4.0	-.0	.6	-.1	-.2	.0	-.0	.0	-.0	.0	4.3	4.5	4.9	-3.9
114.0	.7	-.1	-4.8	.0	.4	-.2	-.2	.0	-.0	.0	-.0	.0	5.0	5.3	5.6	-4.6
115.0	.6	-.1	-5.0	-.0	.4	-.2	-.1	.0	-.0	.0	-.0	.0	5.2	5.5	5.8	-4.9
116.0	.6	-.1	-4.6	-.0	.3	-.2	-.1	.0	-.0	.0	-.0	.0	4.9	5.2	5.6	-4.6
117.0	.6	-.1	-4.0	-.1	.2	-.2	-.1	.0	-.1	.0	-.0	.0	4.4	4.6	5.1	-4.0
118.0	.6	-.	-3.5	-.1	.1	-.3	-.1	.0	-.1	.0	-.0	.0	4.0	4.2	4.6	-3.5
119.0	.6	-.1	-3.1	-.1	.1	-.3	-.1	.0	-.1	.0	-.0	.0	3.7	3.8	4.3	-3.1
120.0	.6	-.1	-2.8	-.1	.1	-.3	-.2	.0	-.1	.0	-.0	.0	3.4	3.4	4.0	-2.8
121.0	.6	.6	-2.4	-.1	.1	-.2	-.2	.0	-.1	.0	-.0	.0	3.2	3.0	3.8	-2.4
122.0	.6	1.5	-2.0	-.1	.0	-.2	-.2	.0	-.1	.0	-.0	.0	3.2	2.5	3.8	-1.9
123.0	.6	1.4	-1.6	-.1	-.1	-.2	-.2	.0	-.1	.0	-.0	.0	2.9	2.0	3.5	-1.4
124.0	.6	1.3	-1.2	-.1	-.2	-.2	-.2	.0	-.1	.0	-.0	.0	2.9	1.6	3.5	-1.0
125.0	.7	1.2	-.8	-.1	-.3	-.1	-.2	.0	-.1	.0	-.0	.0	3.7	1.3	4.4	-.6
126.0	1.4	-1.7	-.3	-.7	-1.1	-.7	-.0	.0	-.4	.0	-.3	.0	3.2	3.1	4.6	-1.6
127.0	2.2	-2.5	-.4	-.5	-1.9	-.5	-.2	.0	-.2	.0	-.2	.0	2.2	4.1	4.9	-1.9
128.0	2.2	-2.5	-.5	-.1	-1.0	-.1	-.2	.0	-.1	.0	.0	.0	2.2	3.2	4.9	-1.0
129.0	2.1	-2.6	-.5	-.1	-.9	-.1	-.2	.0	-.1	.0	.0	.0	2.3	2.9	4.9	-.8
130.0	-.2	-.3	1.3	.1	.0	.2	-.4	.0	.1	-.0	-.0	.0	6.5	3.8	6.3	-4.0
131.0	-.3	-.3	1.2	.1	.2	.2	-.4	.0	.1	-.0	-.1	.0	4.5	3.8	5.2	-4.1
132.0	-.3	-.4	1.1	.1	.2	.2	-.4	.0	.1	-.0	-.1	.0	4.6	4.1	4.3	-4.4
133.0	-.3	-.4	1.1	.1	.1	.2	-.4	.0	.1	-.0	-.1	.0	4.5	4.1	4.3	-4.4
134.0	-.5	-.2	1.3	.1	.1	.2	-.4	.0	.2	-.0	-.1	.0	4.6	4.1	4.2	-4.6
135.0	-.5	-.2	1.2	.1	.2	.2	-.4	.0	.2	-.0	-.1	.0	4.6	4.1	4.1	-4.6
145.0	-.6	.1	1.1	.1	.1	.1	-.4	.0	.1	-.0	-.1	.0	3.6	3.8	2.8	-4.6
155.0	-.5	.1	1.1	.1	-.0	.1	-.3	.0	.1	-.0	-.1	.0	3.3	3.5	2.8	-4.0
165.0	-.2	.0	1.0	.1	-.0	.1	-.3	.0	.1	-.0	-.1	.0	3.1	3.3	2.8	-3.5
175.0	-.2	-.1	.9	.1	.1	.1	-.3	.0	.1	-.0	-.1	.0	2.8	3.0	2.7	-3.2
185.0	-.2	-.1	.9	.1	.1	.1	-.3	.0	.1	-.0	-.1	.0	2.6	2.8	2.4	-3.0
195.0	-.3	-.1	.8	.1	.0	.1	-.3	.0	.1	-.0	-.1	.0	2.4	2.5	2.1	-2.8
205.0	-.3	-.1	.7	.1	.0	.1	-.2	.0	.1	-.0	-.0	.0	2.2	2.3	1.8	-2.6
215.0	-.4	-.1	.7	.1	.0	.1	-.2	.0	.1	-.0	-.0	.0	2.0	2.1	1.6	-2.5
225.0	-.4	-.0	.6	.0	.0	.1	-.2	.0	.1	-.0	-.0	.0	1.8	1.9	1.4	-2.3
235.0	-.5	-.0	.5	.0	.0	.1	-.2	.0	.0	-.0	-.0	.0	1.6	1.7	1.1	-2.1
245.0	-.5	-.0	.5	.0	.0	.1	-.1	.0	.0	.0	-.0	.0	1.4	1.5	.9	-2.0
255.0	-.5	-.0	.4	.0	.0	.0	-.1	.0	.0	.0	-.0	.0	1.2	1.3	.7	-1.9
265.0	-2.1	-.0	.4	.0	.0	.0	-.1	.0	.0	.0	-.0	.0	1.1	1.2	-1.0	-3.3
275.0	-10.6	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.3	.3	-10.3	-10.9

PROPULSION

BETA POS

PROPULSION

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	10	11				
285.0	-10.4	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-10.1	-10.6
295.0	-10.1	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-9.9	-10.4
305.0	-9.9	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-9.7	-10.2
315.0	-9.7	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-9.5	-10.0
325.0	-9.5	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-9.3	-9.8
335.0	-9.3	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.3	-9.1	-9.6
345.0	-9.1	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.9	-9.3
355.0	-8.9	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.7	-9.1
365.0	-8.7	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.5	-9.0
375.0	-8.5	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.3	-8.8
385.0	-8.3	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.1	-8.6
395.0	-8.2	.1	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-8.0	-8.4
405.0	-8.0	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.8	-8.2
415.0	-7.8	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.7	-8.0
425.0	-7.7	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.5	-7.9
435.0	-7.5	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.3	-7.7
445.0	-7.4	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.2	-7.6
455.0	-7.2	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-7.1	-7.4
465.0	-7.1	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-6.9	-7.3
475.0	-6.9	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-6.8	-7.1
485.0	-6.8	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.2	.2	-6.7	-7.0
495.0	-6.7	.0	.0	-.0	-.1	-.0	.0	.0	-.1	.0	.0	.0	.1	.2	-6.6	-6.9
505.0	-6.6	-.0	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.2	-6.5	-6.8
515.0	-6.5	-.0	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.1	-6.4	-6.6
525.0	-6.4	-.0	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.2	-6.3	-6.6
535.0	-6.4	-.0	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.1	-6.2	-6.5
545.0	[illegible]	-.1	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.1	-6.2	-6.4
555.0	-6.3	-.1	.0	-.0	-.0	-.0	.0	.0	-.1	.0	.0	.0	.1	.2	-6.1	-6.4
565.0	-6.3	-.1	.0	.0	-.0	.0	.0	.0	-.1	.0	.0	.0	.1	.2	-6.1	-6.4

ORIGINAL PAGE IS
OF POOR QUALITY

ORIGINAL PAGE IS
OF POOR QUALITY

AERO/ENVIRON

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.8	-.0	.1	.1	.3	1.2	-.3	-.0	.0	1.5	1.5	2.3	-.8
101.0	.8	.0	.1	.1	.3	1.2	-.3	.0	.0	1.6	1.5	2.3	-.8
102.0	.7	.0	.1	.1	.3	1.2	-.3	.0	.0	1.6	1.5	2.3	-.8
103.0	.6	.0	.1	.2	.4	1.2	-.3	.0	.0	1.7	1.5	2.3	-.9
104.0	.6	.0	.1	.2	.4	1.2	-.3	.0	.0	1.7	1.6	2.3	-.9
105.0	.6	-.0	.1	.3	.4	1.2	-.3	-.0	.0	1.7	1.6	2.3	-1.0
106.0	.6	-.0	.2	.3	.4	1.2	-.3	.0	.0	1.7	1.6	2.3	-1.0
107.0	.6	-.0	.2	.3	.4	1.2	-.3	-.0	.0	1.7	1.6	2.3	-1.0
108.0	.6	-.0	.2	.3	.4	1.2	-.3	-.0	.0	1.7	1.6	2.3	-1.0
109.0	.6	-.0	.2	.3	.4	1.2	-.3	-.0	.0	1.6	1.6	2.2	-1.0
110.0	.6	-.0	.2	.3	.5	1.2	-.2	-.0	.0	1.6	1.7	2.2	-1.1
111.0	.6	-.0	.2	.3	.5	1.2	-.2	-.0	.0	1.9	2.1	2.5	-1.5
112.0	.6	-.0	.1	.3	.6	1.2	-.2	-.0	.0	3.2	3.4	3.9	-2.8
113.0	.7	-.0	.1	.2	.6	1.2	-.2	-.0	.0	4.3	4.8	4.9	-3.9
114.0	.7	-.0	.1	.2	.7	1.2	-.2	-.0	.0	5.0	5.3	5.6	-4.6
115.0	.6	-.0	.1	.3	.7	1.1	-.2	-.0	.0	5.2	5.5	5.9	-4.9
116.0	.6	-.1	.1	.3	.7	1.0	-.2	-.1	.0	4.9	5.2	5.6	-4.6
117.0	.6	-.1	.1	.3	.7	1.0	-.2	-.1	-.0	4.4	4.6	5.1	-4.0
118.0	.6	-.1	.1	.3	.7	.9	-.3	-.1	-.0	4.0	4.2	4.6	-3.5
119.0	.6	-.1	.2	.3	.6	.9	-.3	-.1	-.0	3.7	3.8	4.3	-3.1
120.0	.6	-.1	.2	.3	.6	.9	-.3	-.1	-.0	3.4	3.4	4.0	-2.8
121.0	.6	-.1	.2	.3	.6	.8	-.4	-.1	-.0	3.2	3.0	3.9	-2.4
122.0	.6	-.1	.2	.3	.5	.8	-.4	-.1	-.0	3.2	2.5	3.8	-1.9
123.0	.6	-.1	.1	.3	.5	.7	-.4	-.1	-.0	2.9	2.0	3.5	-1.4
124.0	.6	-.1	.1	.3	.4	.6	-.5	-.1	-.0	2.9	1.6	3.5	-1.0
125.0	.7	-.1	.1	.3	.4	.5	-.5	-.1	-.0	3.7	1.3	4.4	-.6
126.0	1.4	-.6	-.6	-.5	.4	.5	-.6	-.7	.0	3.2	3.1	4.6	-1.6
127.0	2.2	-.5	-1.1	-1.3	.3	.4	-.5	-.5	-.0	2.2	4.1	4.4	-1.9
128.0	2.2	-.1	-.2	-1.2	.3	.4	-.5	-.1	-.0	2.2	3.2	4.4	-1.0
129.0	2.1	-.1	.1	-.4	.3	.4	-.5	-.1	-.0	2.3	2.9	4.4	-.8
130.0	-.2	.1	.1	.1	.7	2.8	-.7	.2	.1	6.5	3.8	6.3	-4.0
131.0	-.3	.1	.0	.0	.7	2.8	-.7	.2	.1	4.5	3.8	4.2	-4.1
132.0	-.3	.1	.0	-.1	.7	2.9	-.7	.2	.1	4.6	4.1	4.3	-4.4
133.0	-.3	.1	-.0	-.1	.7	2.8	-.7	.1	.1	4.5	4.1	4.3	-4.4
134.0	-.5	.2	-.0	-.1	.7	2.9	-.7	.2	.1	4.6	4.1	4.2	-4.6
135.0	-.5	.2	.0	-.1	.7	2.7	-.7	.2	.1	4.6	4.1	4.1	-4.6
145.0	-.6	.1	.0	-.3	.7	2.6	-.6	.1	.1	3.6	3.8	2.8	-4.6
155.0	-.5	.1	-.1	-.2	.6	2.4	-.6	.1	.1	3.3	3.5	2.8	-4.0
165.0	-.2	.1	-.1	-.2	.6	2.2	-.5	.1	.1	3.1	3.3	2.8	-3.5
175.0	-.2	.1	.0	.0	.5	2.0	-.5	.1	.1	2.8	3.0	2.7	-3.2
185.0	-.2	.1	.0	.0	.5	1.9	-.5	.1	.0	2.6	2.8	2.4	-3.0
195.0	-.3	.1	.0	.1	.4	1.7	-.4	.1	.0	2.4	2.5	2.1	-2.8
205.0	-.3	.1	.0	.1	.4	1.6	-.4	.1	.0	2.2	2.3	1.9	-2.6
215.0	-.4	.1	.0	.1	.4	1.4	-.3	.1	.0	2.0	2.1	1.6	-2.5
225.0	-.4	.1	.0	.1	.3	1.3	-.3	.1	.0	1.8	1.9	1.4	-2.3
235.0	-.5	.0	.0	.1	.3	1.1	-.3	.1	.0	1.6	1.7	1.1	-2.1
245.0	-.5	.0	.0	.1	.3	1.0	-.2	.0	.0	1.4	1.5	.9	-2.0
255.0	-.5	.0	.0	.1	.2	.9	-.2	.0	.0	1.2	1.3	.7	-1.9
265.0	-2.1	.0	.0	.1	.2	.8	-.2	.0	.0	1.1	1.2	-1.0	-3.3
275.0	-10.6	-.1	.0	.0	-.0	-.0	.0	-.1	-.0	.3	.3	-10.1	-10.9

ORIGINAL PAGE IS
OF POOR QUALITY

AERO/ENVIRON

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
100.0	.6	.0	-.1	-.1	-.3	-1.2	.3	.0	.0	1.5	1.5	2.3	-.8
101.0	.8	.0	-.1	-.1	-.3	-1.2	.3	.0	.0	1.6	1.5	2.3	-.8
102.0	.7	.0	-.1	-.2	-.3	-1.2	.3	-.0	-.0	1.6	1.5	2.3	-.8
103.0	.6	.0	-.1	-.2	-.3	-1.2	.3	.0	-.0	1.7	1.5	2.3	-.9
104.0	.6	.0	-.1	-.2	-.4	-1.2	.3	.0	.0	1.7	1.6	2.3	-.9
105.0	.6	.0	-.2	-.3	-.4	-1.2	.3	.0	.0	1.7	1.6	2.3	-1.0
106.0	.6	.0	-.2	-.3	-.4	-1.2	.3	.0	.0	1.7	1.6	2.3	-1.0
107.0	.6	.0	-.2	-.3	-.4	-1.2	.3	.0	.0	1.7	1.6	2.3	-1.0
108.0	.6	.0	-.2	-.3	-.4	-1.2	.3	.0	.0	1.7	1.6	2.3	-1.0
109.0	.6	.0	-.2	-.3	-.4	-1.2	.3	.0	-.0	1.6	1.6	2.2	-1.0
110.0	.6	.0	-.2	-.3	-.5	-1.2	.2	.0	.0	1.6	1.7	2.2	-1.1
111.0	.6	.0	-.1	-.2	-.5	-1.2	.2	.0	.0	1.9	2.1	2.5	-1.5
112.0	.6	.0	-.1	-.2	-.6	-1.2	.2	.0	.0	3.2	3.4	3.8	-2.8
113.0	.7	.0	-.1	-.3	-.6	-1.2	.2	.0	.0	4.3	4.5	4.9	-3.9
114.0	.7	.0	-.1	-.2	-.6	-1.1	.2	.0	.0	5.0	5.3	5.6	-4.6
115.0	.6	.1	-.1	-.2	-.6	-1.1	.2	.1	.0	5.2	5.5	5.9	-4.9
116.0	.6	.1	-.1	-.2	-.7	-1.0	.2	.1	.1	4.9	5.2	5.6	-4.6
117.0	.6	.1	-.1	-.2	-.6	-1.0	.2	.1	.1	4.4	4.6	5.1	-4.0
118.0	.6	.1	-.1	-.3	-.6	-.9	.3	.1	.1	4.0	4.2	4.6	-3.5
119.0	.6	.1	-.2	-.3	-.6	-.9	.3	.1	.1	3.7	3.8	4.3	-3.1
120.0	.6	.1	-.2	-.3	-.6	-.9	.3	.1	.1	3.4	3.4	4.0	-2.8
121.0	.6	.1	-.2	-.4	-.5	-.8	.4	.1	.1	3.2	3.0	3.8	-2.4
122.0	.6	.1	-.1	-.3	-.5	-.8	.4	.1	.1	3.2	2.5	3.8	-1.9
123.0	.6	.1	-.1	-.3	-.5	-.7	.4	.1	.1	2.9	2.0	3.5	-1.4
124.0	.6	.1	-.1	-.2	-.4	-.6	.5	.1	.1	2.9	1.6	3.5	-1.0
125.0	.7	.4	.8	1.3	-.4	-.5	.5	.4	.1	3.7	1.3	4.4	-.6
126.0	1.4	.6	.7	.5	-.4	-.5	.5	.6	.3	3.2	3.1	4.6	-1.6
127.0	2.2	.1	-.1	-.3	-.5	-.4	.5	.1	.1	2.2	4.1	4.4	-1.9
128.0	2.2	.1	-.1	-.3	-.3	-.4	.5	.1	.1	2.2	3.2	4.4	-1.0
129.0	2.1	.1	-.2	-.3	-.3	-.4	.5	.1	.1	2.3	2.9	4.4	-.8
130.0	-.2	-.2	-.0	1.9	-.7	-2.8	.7	-.1	-.2	6.5	3.8	6.3	-4.0
131.0	-.3	-.2	.0	.1	-.7	-2.8	.7	-.2	-.2	4.5	3.8	4.2	-4.1
132.0	-.3	-.1	.0	.1	-.7	-2.8	.7	-.1	-.2	4.6	4.1	4.3	-4.4
133.0	-.3	-.1	-.0	.0	-.7	-2.8	.7	-.1	-.2	4.5	4.1	4.3	-4.4
134.0	-.5	-.2	-.0	.0	-.6	-2.7	.7	-.2	-.2	4.6	4.1	4.2	-4.6
135.0	-.5	-.1	-.0	.0	-.6	-2.7	.7	-.2	-.2	4.6	4.1	4.1	-4.6
145.0	-.8	-.1	.0	.2	-.6	-2.6	.6	-.1	-.1	3.6	3.8	2.8	-4.6
155.0	-.5	-.1	.1	.2	-.6	-2.6	.6	-.1	-.1	3.3	3.5	2.8	-4.0
165.0	-.2	-.1	.1	.1	-.5	-2.2	.5	-.1	-.1	3.1	3.3	2.8	-3.5
175.0	-.2	-.1	-.0	.0	-.5	-2.0	.5	-.1	-.1	2.8	3.0	2.7	-3.2
185.0	-.2	-.1	-.0	.0	-.4	-1.9	.5	-.1	-.1	2.6	2.8	2.4	-3.0
195.0	-.3	-.1	-.0	-.0	-.4	-1.7	.4	-.1	-.1	2.4	2.5	2.1	-2.8
205.0	-.3	-.1	-.0	-.0	-.4	-1.6	.4	-.1	-.1	2.2	2.3	1.8	-2.6
215.0	-.4	-.1	-.0	-.0	-.3	-1.4	.3	-.1	-.1	2.0	2.1	1.6	-2.5
225.0	-.4	-.1	-.0	-.0	-.3	-1.3	.3	-.1	-.1	1.8	1.9	1.4	-2.3
235.0	-.5	-.0	-.0	-.0	-.3	-1.1	.3	-.1	-.1	1.6	1.7	1.1	-2.3
245.0	-.5	-.0	-.0	-.0	-.2	-1.0	.2	-.0	-.1	1.4	1.5	.9	-2.0
255.0	-.5	-.0	-.0	-.0	-.2	-.9	.2	-.0	-.0	1.2	1.3	.7	-1.9
265.0	-2.1	-.0	-.0	-.0	-.2	-.8	.2	-.0	-.0	1.1	1.2	-1.0	-3.3
275.0	-10.6	.1	-.0	-.1	.0	.0	.0	.1	.0	.3	.3	-10.3	-10.9

AERO/ENVIRON

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
295.0	-10.4	-.0	.0	.0	-.0	-.0	.0	-.1	-.0	.2	.3	-10.1	-10.6
295.0	-10.1	-.0	.0	.0	-.0	-.0	.0	-.1	-.0	.2	.3	-9.9	-10.4
305.0	-9.9	-.0	.0	.0	-.0	-.0	.0	-.1	-.0	.2	.3	-9.7	-10.2
315.0	-9.7	-.0	.0	.0	-.0	-.0	.0	-.1	-.0	.2	.3	-9.5	-10.0
325.0	-9.5	-.0	.0	.0	-.0	-.0	.0	-.1	-.0	.2	.3	-9.3	-9.8
335.0	-9.3	-.0	.0	.0	-.0	-.0	.0	-.1	.0	.2	.3	-9.1	-9.6
345.0	-9.1	-.0	.0	.0	-.0	-.0	.0	-.1	.0	.2	.2	-8.9	-9.3
355.0	-8.9	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-8.7	-9.1
365.0	-8.7	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-8.5	-9.0
375.0	-8.5	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-8.3	-8.8
385.0	-8.3	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-8.1	-8.6
395.0	-8.2	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-8.0	-8.4
405.0	-8.0	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.8	-8.2
415.0	-7.8	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.7	-8.0
425.0	-7.7	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.5	-7.9
435.0	-7.5	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.3	-7.7
445.0	-7.4	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.2	-7.6
455.0	-7.2	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-7.1	-7.4
465.0	-7.1	-.0	.0	.0	.0	-.0	.0	-.1	.0	.2	.2	-6.9	-7.3
475.0	-6.9	-.0	.0	.0	.0	-.0	.0	-.0	.0	.2	.2	-6.5	-7.1
485.0	-6.8	-.0	.0	.0	.0	-.0	.0	-.0	.0	.2	.2	-6.7	-7.0
495.0	-6.7	-.0	.0	.0	.0	-.0	.0	-.0	.0	.1	.2	-6.6	-6.9
505.0	-6.6	-.0	.0	.0	.0	-.0	.0	-.0	.0	.1	.2	-6.5	-6.8
515.0	-6.5	-.0	.0	.0	.0	.0	.0	-.0	.0	.1	.1	-6.4	-6.6
525.0	-6.4	-.0	.0	.0	.0	-.0	.0	-.0	.0	.1	.2	-6.3	-6.6
535.0	-6.4	-.0	.0	.0	.0	-.0	.0	-.0	.0	.1	.1	-6.2	-6.5
545.0	-6.3	-.0	.0	.0	.0	-.0	.0	-.0	.0	.1	.1	-6.2	-6.4
555.0	-6.3	-.0	.0	.0	.0	.0	.0	-.0	.0	.1	.2	-6.1	-6.4
565.0	-6.3	-.0	.0	.0	.0	.0	.0	-.0	.0	.1	.2	-6.1	-6.4

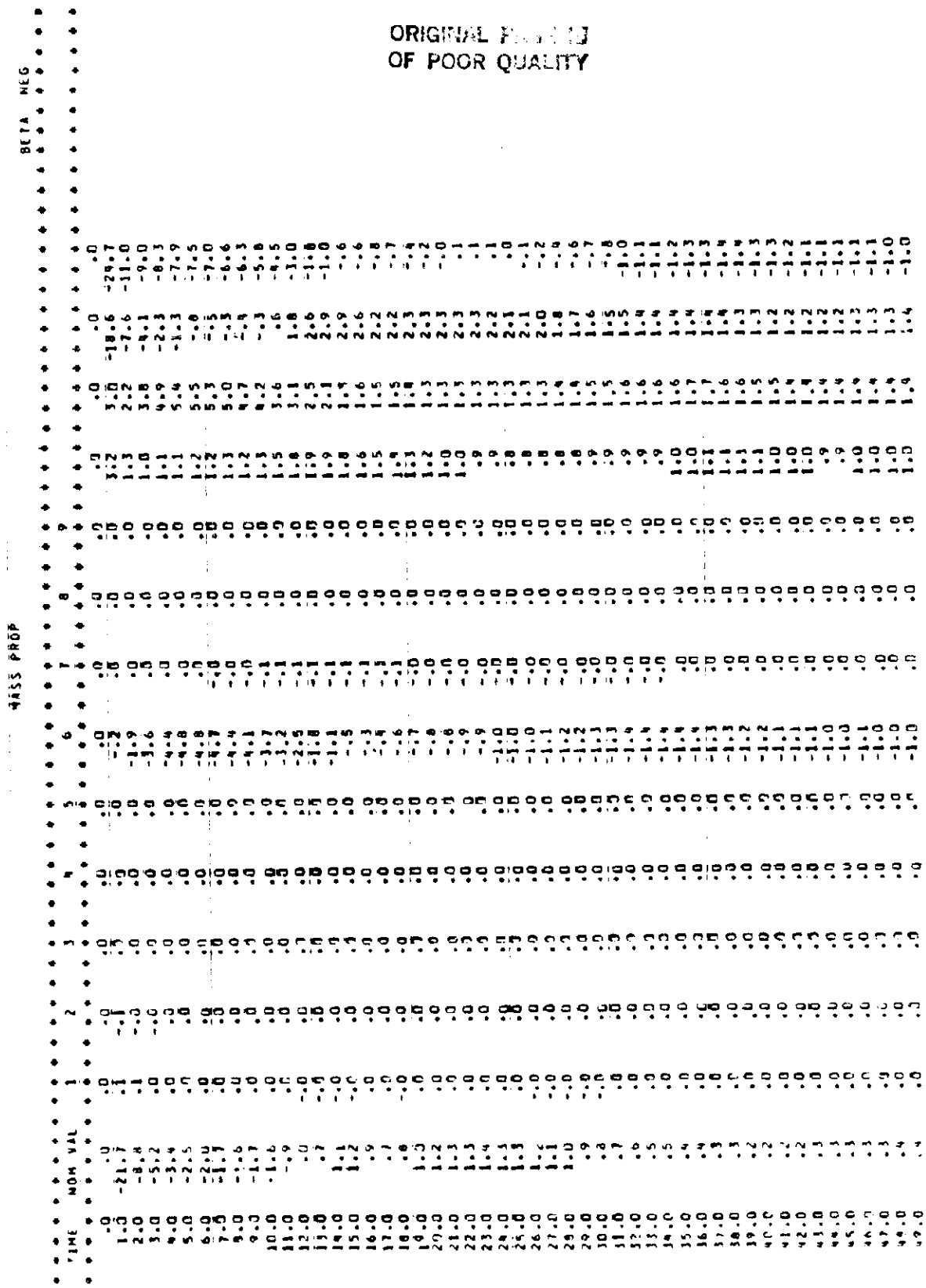
AERO/ENVIRON

BETA NEG

TIME	NOM VAL	1	2	3	4	5	6	7	8				
285.0	-10.4	.0	-.0	-.1	.0	.0	.0	.1	.0	.2	.3	-10.1	-10.6
295.0	-10.1	.0	-.0	-.1	.0	.0	.0	.1	.0	.2	.3	-9.9	-10.5
305.0	-9.9	.0	.0	-.1	.0	.0	.0	.1	.0	.2	.3	-9.7	-10.2
315.0	-9.7	.0	.0	-.1	.0	.0	.0	.1	.0	.2	.3	-9.5	-10.0
325.0	-9.5	.0	.0	-.1	.0	.0	.0	.1	.0	.2	.3	-9.3	-9.8
335.0	-9.3	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.3	-9.1	-9.6
345.0	-9.1	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.9	-9.3
355.0	-8.9	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.7	-9.1
365.0	-8.7	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.5	-9.0
375.0	-8.5	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.3	-8.8
385.0	-8.3	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.1	-8.6
395.0	-8.2	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-8.0	-8.4
405.0	-8.0	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.8	-8.2
415.0	-7.8	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.7	-8.0
425.0	-7.7	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.5	-7.9
435.0	-7.5	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.3	-7.7
445.0	-7.4	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.2	-7.6
455.0	-7.2	.0	.0	-.0	.0	.0	.0	.1	.0	.2	.2	-7.1	-7.4
465.0	-7.1	.0	.0	-.0	.0	.0	.0	.0	.0	.2	.2	-6.9	-7.3
475.0	-6.9	.0	.0	-.0	.0	.0	.0	.0	.0	.2	.2	-6.8	-7.1
485.0	-6.8	.0	.0	-.0	.0	.0	.0	.0	.0	.2	.2	-6.7	-7.0
495.0	-6.7	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.2	-6.6	-6.9
505.0	-6.6	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.2	-6.5	-6.8
515.0	-6.5	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.1	-6.4	-6.6
525.0	-6.4	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.2	-6.3	-6.6
535.0	-6.4	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.1	-6.2	-6.5
545.0	-6.3	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.1	-6.2	-6.4
555.0	-6.3	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.2	-6.1	-6.4
565.0	-6.3	.0	.0	-.0	.0	.0	.0	.0	.0	.1	.2	-6.1	-6.4

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	BETA	POS		
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-21.7	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.2	3.0	-10.6	-24.7
2.0	-8.8	-.1	.0	.0	.0	.0	.1	-.0	.0	.0	1.3	2.2	-7.6	-11.0
3.0	-5.2	-.0	.0	.0	.0	.0	.2	.0	.0	.0	1.0	3.8	-4.1	-9.0
4.0	-3.4	-.0	.0	.0	.0	.0	.2	.0	.0	.0	1.1	4.9	-2.3	-8.3
5.0	-2.5	-.0	.0	.0	.0	.0	.2	.0	.0	.0	1.1	5.4	-1.3	-7.9
6.0	-2.0	-.0	.0	.0	.0	.0	.2	.0	.0	.0	1.2	5.5	-.8	-7.5
7.0	-1.7	-.0	.0	.0	.0	.0	.2	.0	.0	.0	1.2	5.3	-.5	-7.0
8.0	-1.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	1.3	5.0	-.3	-6.6
9.0	-1.7	.0	.0	.0	.0	.0	.2	.0	.0	.0	1.2	4.7	-.4	-6.3
10.0	-1.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	1.3	4.4	-.3	-5.8
11.0	-.9	.0	-.0	.0	.0	.0	.2	.1	.0	.0	1.5	3.6	.6	-4.5
12.0	.6	.0	-.0	.0	.0	-.0	.1	.1	.0	.0	1.8	3.1	1.8	-3.0
13.0	.7	.0	-.0	.0	.0	-.0	.1	.1	.0	.0	1.9	2.5	2.6	-1.8
14.0	1.1	.0	-.0	.0	.0	-.0	.1	.1	.0	.0	1.9	2.1	2.9	-1.0
15.0	1.2	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	1.8	1.8	2.9	-.6
16.0	.9	.0	-.0	.0	.0	-.0	.0	.1	.0	.0	1.6	1.6	2.6	-.6
17.0	.7	.0	-.0	.0	.0	.0	.0	.1	.0	.0	1.5	1.5	2.2	-.8
18.0	.8	.0	-.0	.0	.0	.0	.0	.1	.0	.0	1.4	1.5	2.2	-.7
19.0	1.0	.0	-.0	.0	.0	.0	.0	.1	.0	.0	1.3	1.4	2.3	-.4
20.0	1.2	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	2.3	-.2
21.0	1.3	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	2.3	-.0
22.0	1.3	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	2.3	.1
23.0	1.4	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.9	1.3	2.3	.1
24.0	1.3	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.9	1.3	2.2	.1
25.0	1.3	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.8	1.3	2.1	.0
26.0	1.2	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.8	1.3	2.1	-.1
27.0	1.1	.0	-.0	.0	.0	.0	.1	.0	.0	.0	.8	1.3	2.0	-.2
28.0	1.0	.0	-.0	.0	.0	.0	.1	.0	.0	.0	.8	1.4	1.8	-.4
29.0	.9	.0	-.0	.0	.0	.0	.1	.0	.0	.0	.8	1.4	1.7	-.6
30.0	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.5	1.6	-.7
31.0	.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.5	1.5	-.8
32.0	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.6	1.5	-1.0
33.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.6	1.4	-1.1
34.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.6	1.4	-1.1
35.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.6	1.4	-1.2
36.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.7	1.4	-1.3
37.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.7	1.4	-1.3
38.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.6	1.4	-1.4
39.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.6	1.3	-1.4
40.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.3	-1.3
41.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.5	1.2	-1.3
42.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.4	1.2	-1.2
43.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.4	1.2	-1.1
44.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.4	1.2	-1.1
45.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	1.4	1.2	-1.1
46.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.4	1.3	-1.1
47.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	1.4	1.3	-1.1
48.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.3	-1.0
49.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0



MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	BETA POS			
50.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.4	-1.0
51.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.4	-1.1
52.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.4	-1.2
53.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.4	-1.2
54.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.4	-1.3
55.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.4	-1.3
56.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.6	1.4	-1.3
57.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.6	1.5	-1.3
58.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.6	1.5	-1.3
59.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.7	1.5	-1.4
60.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	1.7	1.5	-1.4
61.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	1.7	1.6	-1.4
62.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	1.7	1.6	-1.4
63.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.7	1.5	-1.4
64.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	1.6	1.5	-1.3
65.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.6	1.5	-1.2
66.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.4	-1.1
67.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.4	-1.1
68.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.5	-1.1
69.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.5	-1.1
70.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.5	-1.1
71.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.5	1.5	-1.0
72.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.1	1.4	1.5	-1.0
73.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	1.5	-1.0
74.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.5	1.4	-1.1
75.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	1.4	-.8
76.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.4	-1.1
77.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	1.5	-.7
78.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	1.5	-1.1
79.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	1.5	-.7
80.0	.4	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.5	-1.0
81.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	1.6	-.8
82.0	.5	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	1.6	-.9
83.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	1.7	-.7
84.0	.6	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	1.7	-.8
85.0	.5	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	1.7	-.8
86.0	.5	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	1.7	-.8
87.0	.7	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	1.9	-.7
88.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	2.0	-.6
89.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	2.0	-.7
90.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	2.0	-.7
91.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	2.0	-.7
92.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	2.0	-.7
93.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	2.0	-.8
94.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	2.1	-.8
95.0	.7	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	2.1	-.9
96.0	.4	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.5	2.1	-1.1
97.0	.4	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	2.0	-1.1
98.0	.6	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	2.1	-.9
99.0	.7	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	2.2	-.8

MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	BETA	FOS		
100.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	2.3	-.8
101.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	2.3	-.8
102.0	.7	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.5	2.3	-.8
103.0	.6	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.5	2.3	-.9
104.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	2.3	-.9
105.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	2.3	-1.0
106.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	2.3	-1.0
107.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	2.3	-1.0
108.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.6	2.3	-1.0
109.0	.6	-.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.6	2.2	-1.0
110.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	2.2	-1.1
111.0	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.9	2.1	2.5	-1.5
112.0	.6	-.0	.0	.0	.0	.0	.1	.0	.0	.0	3.2	3.4	3.8	-2.8
113.0	.7	-.0	.0	.0	.0	.0	.1	.0	.0	.0	4.3	4.5	4.9	-3.9
114.0	.7	-.0	.0	.0	.0	.0	.1	.0	.0	.0	5.0	5.3	5.6	-4.6
115.0	.6	-.0	.0	.0	.0	.0	.1	.0	.0	.0	5.2	5.5	5.9	-4.9
116.0	.6	-.0	.0	.0	.0	.0	.1	.0	.0	.0	4.9	5.2	5.6	-4.6
117.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	4.4	4.6	5.1	-4.0
118.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	4.0	4.2	4.6	-3.5
119.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	3.7	3.8	4.3	-3.1
120.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	3.4	3.4	4.0	-2.8
121.0	.6	-.1	.0	.0	.0	.0	.1	.0	.0	.0	3.2	3.0	3.8	-2.4
122.0	.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2	2.5	3.8	-1.9
123.0	.6	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.9	2.0	3.5	-1.4
124.0	.6	-.1	.1	.0	.0	.0	.0	.0	.0	.0	2.9	1.6	3.5	-1.0
125.0	.7	-.1	.1	.0	.0	.0	.0	.0	.0	.0	3.7	1.3	4.4	-.6
126.0	1.4	-.4	.2	.0	.0	.0	-.1	.1	.0	.0	3.2	3.1	4.6	-1.6
127.0	2.2	-.7	.1	.0	.0	.0	-.1	.0	.0	.0	2.2	4.1	4.4	-1.9
128.0	2.2	-.1	.1	.0	.0	.0	-.1	.0	.0	.0	2.2	3.2	4.4	-1.0
129.0	2.1	-.1	.1	.0	.0	.0	-.1	.0	.0	.0	2.3	2.9	4.4	-.6
130.0	-.2	.2	-.1	.1	.0	.0	.1	.0	.0	.0	6.5	3.8	6.3	-4.0
131.0	-.3	.2	-.1	.1	.0	.0	.1	.0	.0	.0	4.5	3.8	4.2	-4.1
132.0	-.3	.2	-.1	.0	.0	.0	.1	.0	.0	.0	4.6	4.1	4.3	-4.4
133.0	-.3	.1	-.1	.0	.0	.0	.1	.0	.0	.0	4.5	4.1	4.3	-4.4
134.0	-.3	.2	-.1	.0	.0	.0	.1	.0	.0	.0	4.6	4.1	4.2	-4.6
135.0	-.3	.2	-.1	.0	.0	.0	.1	.0	.0	.0	4.6	4.1	4.1	-4.6
145.0	-.6	.1	-.0	.0	.0	.0	.1	.0	.0	.0	3.6	3.8	2.8	-4.6
155.0	-.5	.1	-.0	.0	.0	.0	.1	.0	.0	.0	3.3	3.5	2.8	-4.0
165.0	-.4	.1	-.0	.0	.0	.0	.1	.0	.0	.0	3.1	3.3	2.8	-3.5
175.0	-.2	.1	-.0	.0	.0	.0	.1	.0	.0	.0	2.8	3.0	2.7	-3.2
185.0	-.2	.1	-.0	.0	.0	.0	.1	.0	.0	.0	2.6	2.8	2.4	-3.0
195.0	-.3	.1	-.0	.0	.0	.0	.1	.0	.0	.0	2.4	2.5	2.1	-2.8
205.0	-.3	.1	-.0	.0	.0	.0	.1	.0	.0	.0	2.2	2.3	1.8	-2.6
215.0	-.4	.1	-.0	.0	.0	.0	.1	.0	.0	.0	2.0	2.1	1.6	-2.5
225.0	-.4	.1	-.0	.0	.0	.0	.1	.0	.0	.0	1.8	1.9	1.4	-2.3
235.0	-.5	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	1.1	-2.1
245.0	-.5	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	.9	-2.0
255.0	-.5	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	.7	-1.9
265.0	-2.1	.0	-.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.2	-1.0	-3.3
276.0	-10.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	-10.3	-10.9

MASS PROP

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
285.0	-10.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-10.1	-10.6
295.0	-10.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-9.9	-10.4
305.0	-9.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-9.7	-10.2
315.0	-9.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-9.5	-10.0
325.0	-9.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-9.3	-9.8
335.0	-9.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	-9.1	-9.6
345.0	-9.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.9	-9.3
355.0	-8.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.7	-9.1
365.0	-8.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.5	-9.0
375.0	-8.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.3	-8.8
385.0	-8.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.1	-8.6
395.0	-8.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-8.0	-8.4
405.0	-8.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.8	-8.2
415.0	-7.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.7	-8.0
425.0	-7.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.5	-7.9
435.0	-7.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.3	-7.7
445.0	-7.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.2	-7.6
455.0	-7.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-7.1	-7.4
465.0	-7.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-6.9	-7.3
475.0	-6.9	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-6.8	-7.1
485.0	-6.8	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	-6.7	-7.0
495.0	-6.7	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	-6.6	-6.9
505.0	-6.6	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	-6.5	-6.8
515.0	-6.5	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-6.4	-6.6
525.0	-6.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	-6.3	-6.6
535.0	-6.4	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-6.2	-6.5
545.0	-6.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	-6.2	-6.4
555.0	-6.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	-6.1	-6.4
565.0	-6.3	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	-6.1	-6.4

BETA NEG

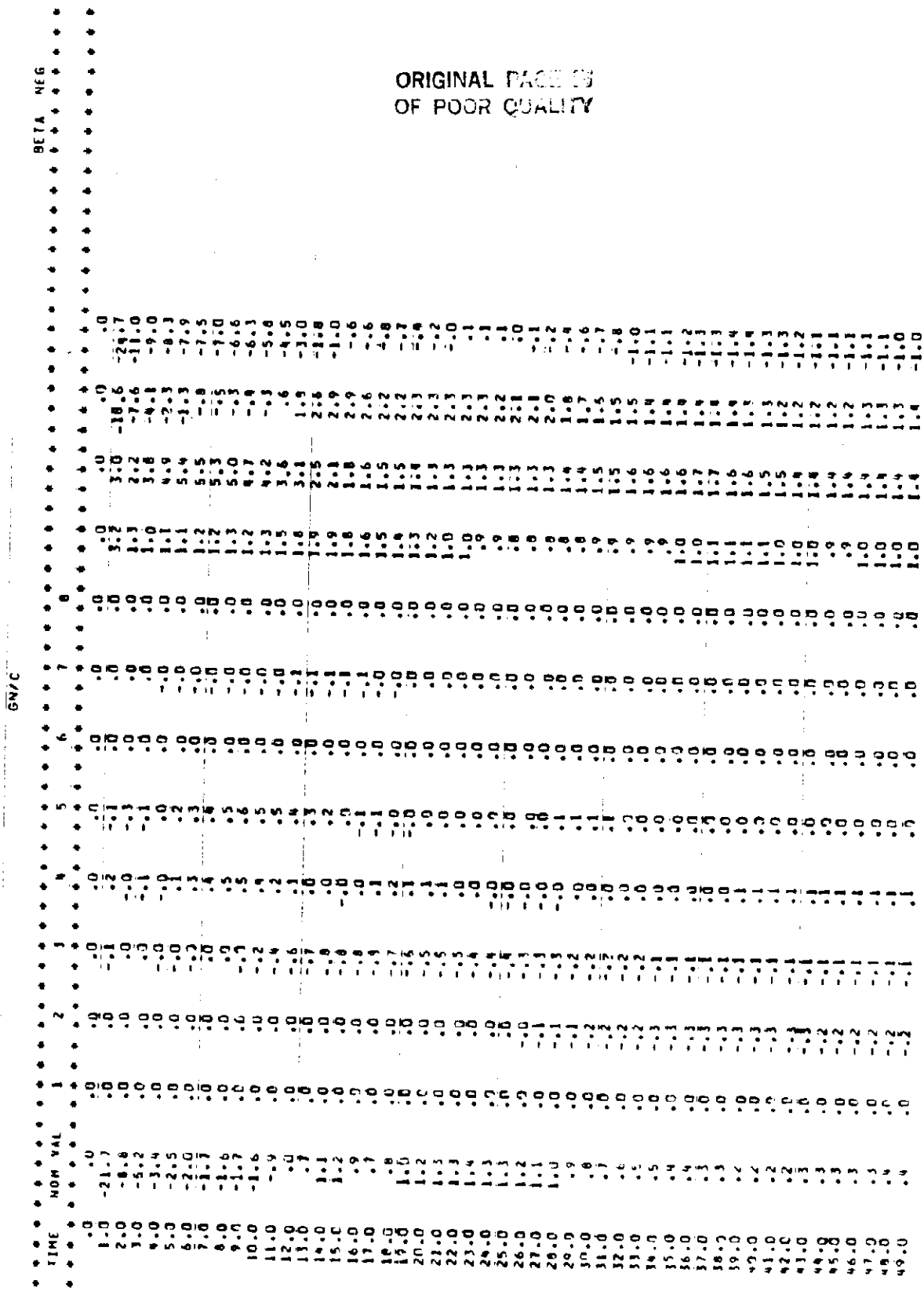
MASS PROP

TIME	NOM VAL	1	2	3	4	5	6	7	8	9
285.0	-10.4	-10.6	-10.1	.3	.2	.0	.0	.0	.0	.0
295.0	-10.1	-10.4	-9.9	.3	.2	.0	.0	.0	.0	.0
305.0	-9.9	-10.2	-9.7	.3	.2	.0	.0	.0	.0	.0
315.0	-9.7	-10.0	-9.5	.3	.2	.0	.0	.0	.0	.0
325.0	-9.5	-9.8	-9.3	.3	.2	.0	.0	.0	.0	.0
335.0	-9.3	-9.6	-9.1	.3	.2	.0	.0	.0	.0	.0
345.0	-9.1	-9.3	-8.9	.2	.2	.0	.0	.0	.0	.0
355.0	-8.9	-9.1	-8.7	.2	.2	.0	.0	.0	.0	.0
365.0	-8.7	-9.0	-8.5	.2	.2	.0	.0	.0	.0	.0
375.0	-8.5	-8.8	-8.3	.2	.2	.0	.0	.0	.0	.0
385.0	-8.3	-8.6	-8.1	.2	.2	.0	.0	.0	.0	.0
395.0	-8.2	-8.4	-8.0	.2	.2	.0	.0	.0	.0	.0
405.0	-8.0	-8.2	-7.8	.2	.2	.0	.0	.0	.0	.0
415.0	-7.8	-8.0	-7.7	.2	.2	.0	.0	.0	.0	.0
425.0	-7.7	-7.9	-7.5	.2	.2	.0	.0	.0	.0	.0
435.0	-7.5	-7.7	-7.3	.2	.2	.0	.0	.0	.0	.0
445.0	-7.4	-7.6	-7.2	.2	.2	.0	.0	.0	.0	.0
455.0	-7.2	-7.5	-7.1	.2	.2	.0	.0	.0	.0	.0
465.0	-7.1	-7.3	-6.9	.2	.2	.0	.0	.0	.0	.0
475.0	-6.9	-7.1	-6.8	.2	.2	.0	.0	.0	.0	.0
485.0	-6.8	-7.0	-6.7	.2	.2	.0	.0	.0	.0	.0
495.0	-6.7	-6.9	-6.6	.2	.2	.0	.0	.0	.0	.0
505.0	-6.6	-6.8	-6.5	.2	.1	.0	.0	.0	.0	.0
515.0	-6.5	-6.6	-6.4	.2	.1	.0	.0	.0	.0	.0
525.0	-6.4	-6.6	-6.3	.2	.1	.0	.0	.0	.0	.0
535.0	-6.4	-6.5	-6.2	.1	.1	.0	.0	.0	.0	.0
545.0	-6.3	-6.4	-6.2	.2	.1	.0	.0	.0	.0	.0
555.0	-6.3	-6.4	-6.1	.2	.1	.0	.0	.0	.0	.0
565.0	-6.3	-6.4	-6.1	.2	.1	.0	.0	.0	.0	.0

GN/C

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-21.7	.0	.0	.1	.7	.1	.0	.0	.0	3.2	3.0	-18.6	-29.7
2.0	-8.8	.0	.0	-.0	-.0	.3	.0	.0	.0	1.3	2.2	-7.6	-11.0
3.0	-5.2	.0	.0	.0	-.5	.2	.0	.0	.0	1.0	3.8	-4.1	-9.0
4.0	-3.4	.0	.0	.1	-.8	-.0	-.0	.0	.0	1.1	4.9	-2.3	-8.3
5.0	-2.5	.0	.0	.1	-.9	-.2	-.0	.0	.0	1.1	5.4	-1.3	-7.9
6.0	-2.0	.0	.0	.1	-1.0	-.4	-.0	.0	.0	1.2	5.5	-.8	-7.5
7.0	-1.7	.0	.0	.1	-.9	-.5	-.0	.0	.0	1.2	5.3	-.5	-7.0
8.0	-1.6	.0	.0	.1	-.8	-.5	-.0	.0	.0	1.3	5.0	-.3	-6.6
9.0	-1.7	.0	.0	.1	-.8	-.6	-.0	.0	.0	1.2	4.7	-.4	-6.3
10.0	-1.6	.0	.0	.2	-.6	-.5	-.0	.0	.0	1.3	4.2	-.3	-5.8
11.0	-.9	.0	.0	.4	-.4	-.5	-.0	.1	.0	1.5	3.6	.6	-4.5
12.0	.6	.0	.0	.6	-.2	-.4	-.0	.1	.0	1.8	3.1	1.8	-3.0
13.0	.7	.0	.0	.7	-.1	-.3	.0	.1	.0	1.9	2.5	2.6	-1.8
14.0	1.1	.0	.0	.8	-.1	-.2	.0	.1	.0	1.9	2.1	2.9	-1.0
15.0	1.2	.0	.0	.8	.0	-.0	.0	.1	.0	1.8	1.8	2.9	-.6
16.0	.9	.0	.0	.8	-.0	.1	.0	.1	.0	1.6	1.6	2.6	-.6
17.0	.7	.0	.0	.8	-.1	.0	.0	.0	.0	1.5	1.5	2.2	-.8
18.0	.8	.0	.0	.7	-.2	.0	.0	.0	.0	1.4	1.5	2.2	-.7
19.0	1.0	.0	.0	.6	-.2	.0	.0	.0	.0	1.3	1.4	2.3	-.4
20.0	1.2	.0	.0	.5	-.1	.0	.0	.0	.0	1.2	1.3	2.3	-.2
21.0	1.3	.0	.0	.5	-.1	-.0	.0	.0	.0	1.0	1.3	2.3	-.0
22.0	1.3	.0	.0	.4	-.0	-.0	.0	-.0	.0	1.0	1.3	2.3	.1
23.0	1.4	.0	.0	.4	-.0	-.0	.0	-.0	.0	.9	1.3	2.3	.1
24.0	1.3	.0	.0	.4	.0	-.0	.0	-.0	.0	.9	1.3	2.2	.1
25.0	1.3	.0	.0	.3	.0	-.0	.0	-.0	.0	.9	1.3	2.1	.0
26.0	1.2	.0	.0	.3	.0	-.1	.0	-.0	.0	.8	1.3	2.1	-.1
27.0	1.1	.0	.1	.3	.0	-.1	.0	-.0	.0	.8	1.3	2.0	-.2
28.0	1.0	.0	.1	.3	.0	-.1	.0	-.0	.0	.8	1.4	1.8	-.4
29.0	.9	.0	.1	.2	.0	-.1	.0	-.0	.0	.8	1.4	1.7	-.6
30.0	.8	.0	.2	.2	-.0	-.1	.0	-.0	.0	.9	1.5	1.6	-.7
31.0	.7	.0	.2	.2	-.0	-.1	.0	-.0	.0	.9	1.5	1.5	-.8
32.0	.6	.0	.2	.2	-.0	-.1	.0	-.0	.0	.9	1.6	1.5	-1.0
33.0	.5	.0	.2	.2	-.0	-.0	.0	-.0	.0	.9	1.6	1.4	-1.1
34.0	.5	.0	.3	.1	-.0	-.0	.0	-.0	.0	.9	1.6	1.4	-1.1
35.0	.4	.0	.3	.1	-.0	-.0	.0	-.0	.0	1.0	1.6	1.4	-1.2
36.0	.4	.0	.3	.1	-.0	-.0	.0	-.0	.0	1.0	1.7	1.4	-1.3
37.0	.3	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.1	1.7	1.4	-1.3
38.0	.3	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.1	1.6	1.4	-1.4
39.0	.2	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.1	1.6	1.3	-1.4
40.0	.2	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.1	1.5	1.3	-1.3
41.0	.2	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.0	1.5	1.2	-1.3
42.0	.2	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.2	-1.2
43.0	.3	.0	.3	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.2	-1.1
44.0	.3	.0	.2	.1	-.1	-.0	.0	-.0	.0	.9	1.4	1.2	-1.1
45.0	.3	.0	.2	.1	-.1	-.0	.0	-.0	.0	.9	1.4	1.2	-1.1
46.0	.3	.0	.2	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.3	-1.1
47.0	.3	.0	.2	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.3	-1.1
48.0	.4	.0	.2	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.3	-1.0
49.0	.4	.0	.2	.1	-.1	-.0	.0	-.0	.0	1.0	1.4	1.4	-1.0



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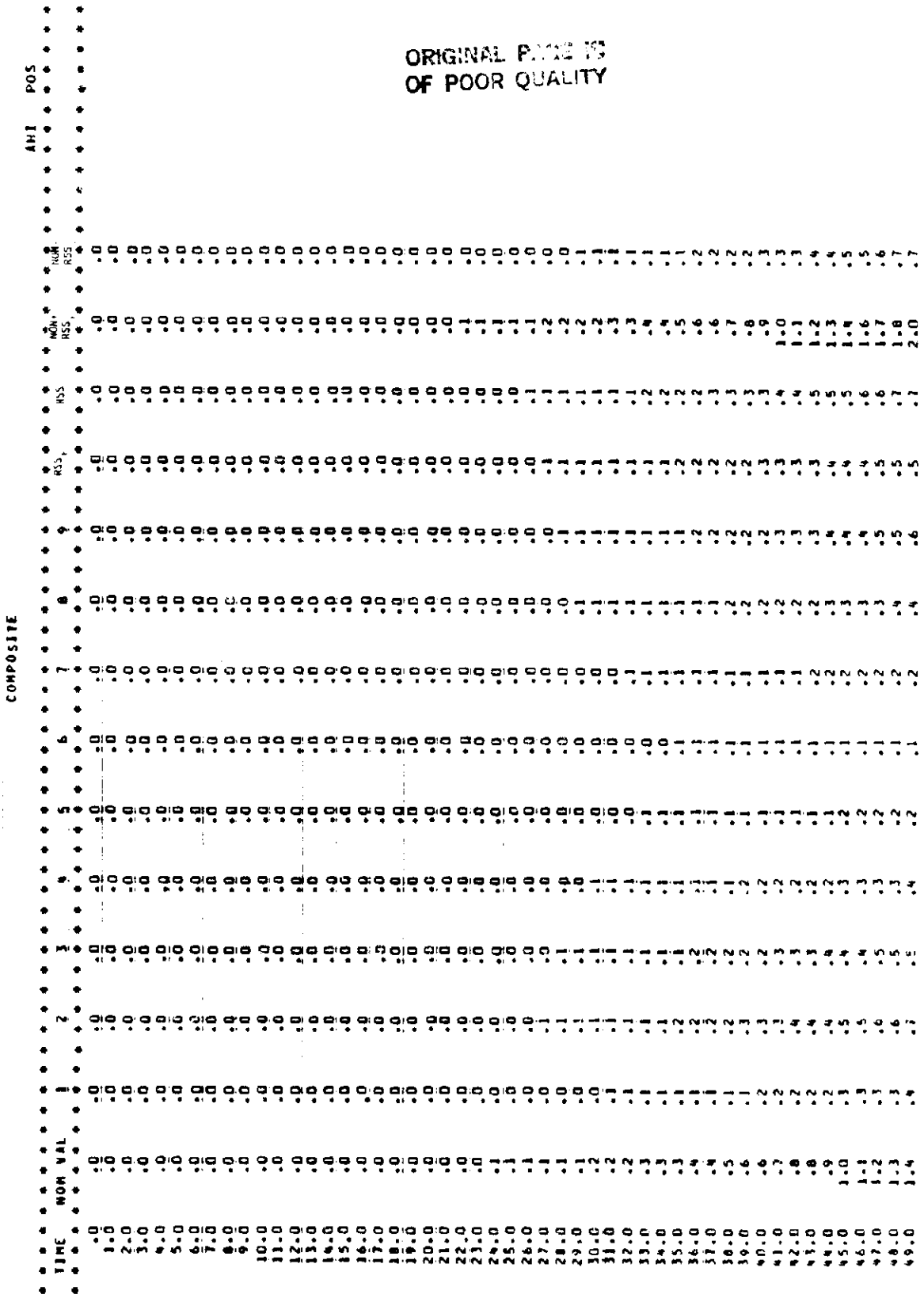
APPENDIX H—MISSION 1 COMPOSITE AND WIND DISPERSED TRAJECTORIES



COMPOSITE

TIME	NON VAL	1	2	3	4	5	6	7	8	9	AMI	POS		
100.0	51.8	12.2	20.6	16.0	12.3	7.1	4.5	8.9	12.7	17.9	14.0	12.9	65.8	38.9
101.0	54.5	12.8	21.6	16.8	12.8	7.4	4.6	9.2	13.3	18.8	14.4	13.3	69.0	41.2
102.0	57.3	13.3	22.6	17.5	13.4	7.6	4.7	9.6	13.9	19.7	14.9	13.8	72.2	43.5
103.0	60.1	13.9	23.7	18.3	14.0	7.9	4.8	10.0	14.5	20.5	15.4	14.2	75.5	45.9
104.0	63.0	14.5	24.8	19.1	14.5	8.2	4.8	10.4	15.1	21.5	15.8	14.7	78.8	48.3
105.0	65.9	15.0	25.9	19.9	15.1	8.4	4.9	10.7	15.7	22.4	16.3	15.1	82.2	50.7
106.0	68.8	15.6	27.0	20.7	15.7	8.7	5.0	11.1	16.3	23.3	16.8	15.6	85.6	53.2
107.0	71.8	16.2	28.1	21.6	16.4	9.0	5.0	11.5	16.9	24.3	17.3	16.1	89.1	55.8
108.0	74.8	16.9	29.3	22.4	17.0	9.3	5.1	11.9	17.6	25.3	17.8	16.5	92.6	58.3
109.0	77.9	17.5	30.5	23.3	17.6	9.6	5.2	12.3	18.2	26.2	18.3	17.0	96.2	60.9
110.0	81.0	18.1	31.8	24.2	18.3	9.8	5.3	12.7	18.9	27.3	18.8	17.5	99.7	63.5
111.0	84.1	18.8	33.0	25.1	18.9	10.1	5.4	13.2	19.6	28.3	19.2	18.0	103.3	66.1
112.0	87.2	19.4	34.3	26.1	19.6	10.4	5.4	13.6	20.3	29.4	19.7	18.5	106.9	68.7
113.0	90.4	20.1	35.6	27.0	20.3	10.7	5.4	14.0	20.9	30.5	20.1	19.0	110.4	71.3
114.0	93.5	20.7	36.9	27.9	20.9	11.0	5.4	14.4	21.6	31.5	20.4	19.5	114.0	74.0
115.0	96.7	21.2	38.1	28.7	21.5	11.2	5.4	14.7	22.2	32.5	20.8	20.0	117.5	76.7
116.0	99.8	21.8	39.3	29.6	22.0	11.3	5.3	15.0	22.8	33.4	21.1	20.5	120.9	79.3
117.0	102.8	22.3	40.5	30.4	22.6	11.5	5.2	15.3	23.4	34.4	21.5	20.9	124.3	82.0
118.0	105.8	22.8	41.6	31.2	23.1	11.6	5.1	15.5	23.9	35.3	21.8	21.2	127.6	84.6
119.0	108.7	23.3	42.8	32.0	23.6	11.7	5.0	15.8	24.4	36.2	22.2	21.6	130.9	87.1
120.0	111.5	23.8	43.9	32.8	24.1	11.8	4.9	16.0	25.0	37.1	22.6	21.9	134.1	89.6
121.0	114.2	24.3	45.0	33.5	24.6	12.0	4.9	16.2	25.5	38.0	23.0	22.2	137.2	92.1
122.0	116.9	24.7	46.2	34.3	25.1	12.1	4.8	16.5	26.0	38.9	23.4	22.5	140.3	94.4
123.0	119.4	25.2	47.2	35.1	25.6	12.2	4.7	16.7	26.5	39.8	23.9	22.8	143.3	96.6
124.0	121.9	25.7	48.3	35.8	26.1	12.3	4.6	17.0	27.0	40.7	24.3	23.1	146.2	98.8
125.0	124.3	26.1	49.3	36.5	26.5	12.4	4.6	17.2	27.5	41.6	24.8	23.4	149.0	100.9
126.0	126.6	26.6	50.4	37.3	27.0	12.5	4.5	17.4	28.0	42.4	25.2	23.7	151.8	102.9
127.0	128.8	27.0	51.4	38.0	27.5	12.6	4.5	17.6	28.5	43.3	25.7	24.0	154.5	104.7
128.0	130.9	27.4	52.4	38.7	27.9	12.7	4.4	17.9	29.0	44.1	26.1	24.4	157.1	106.6
129.0	133.0	27.9	53.4	39.4	28.4	12.8	4.4	18.1	29.5	45.0	26.6	24.7	159.6	108.3
130.0	135.0	28.3	54.4	40.1	28.9	13.0	4.4	18.4	30.0	45.8	27.1	25.1	162.1	110.0
131.0	137.0	28.8	55.3	40.8	29.3	13.1	4.4	18.7	30.5	46.7	27.6	25.4	164.6	111.6
132.0	138.9	29.2	56.3	41.5	29.8	13.3	4.4	18.9	30.9	47.5	28.1	25.8	167.0	113.1
133.0	140.8	29.7	57.2	42.2	30.3	13.4	4.4	19.2	31.4	48.3	28.5	26.2	169.3	114.6
134.0	142.6	30.1	58.2	42.8	30.7	13.6	4.5	19.4	31.9	49.1	29.0	26.6	171.6	116.0
135.0	144.4	30.5	59.1	43.5	31.2	13.7	4.5	19.7	32.3	49.8	29.4	27.0	173.8	117.4
145.0	159.9	35.1	67.9	50.2	35.9	15.5	5.3	22.6	37.3	57.6	34.1	31.0	194.0	128.9
155.0	172.3	39.6	76.4	56.8	40.6	17.6	6.2	25.4	42.1	65.3	38.5	34.8	210.8	137.5
165.0	182.7	43.8	84.4	63.0	45.0	19.7	7.4	28.2	46.7	72.3	42.6	38.6	225.2	144.1
175.0	191.3	47.8	91.9	68.8	49.2	21.7	8.6	31.0	51.0	78.9	46.6	42.2	237.9	149.0
185.0	198.2	51.5	98.6	74.1	53.0	23.5	9.7	33.6	55.0	85.1	50.5	45.6	248.7	152.7
195.0	203.9	54.6	104.6	78.7	56.3	24.9	10.4	35.7	58.5	90.6	54.0	48.5	257.9	155.4
205.0	208.4	57.0	109.7	82.6	59.0	25.9	10.9	37.4	61.3	95.3	57.3	51.1	265.7	157.3
215.0	212.1	58.9	113.8	85.6	61.0	26.5	11.2	38.6	63.5	99.1	60.1	53.2	272.2	158.9
225.0	215.0	60.4	117.1	88.0	62.7	27.1	11.5	39.6	65.3	102.1	62.6	54.8	277.5	160.2
235.0	217.4	61.8	119.9	90.0	64.1	27.7	11.8	40.5	66.8	104.7	64.5	56.1	282.0	161.3
245.0	219.6	62.9	122.2	91.8	65.3	28.2	12.0	41.3	68.1	106.8	66.2	57.3	285.7	162.3
255.0	221.4	63.9	124.2	93.3	66.4	28.6	12.3	42.0	69.3	108.7	67.6	58.2	289.0	163.2
265.0	223.0	64.7	125.8	94.5	67.3	28.9	12.5	42.6	70.2	110.2	68.7	59.0	291.7	164.1
275.0	224.5	65.4	127.3	95.6	68.0	29.3	12.7	43.1	71.0	111.6	69.7	59.7	294.2	164.8

COMPOSITE

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AHI	POS
285.0	225.9	66.0	128.5	96.6	68.7	29.6	12.9	93.6	71.7	112.8	70.6	60.3	296.4	165.6
295.0	227.2	66.7	129.7	97.5	69.4	29.8	13.0	94.0	72.4	113.9	71.4	60.8	298.6	166.3
305.0	228.4	67.2	130.8	98.3	70.0	30.1	13.2	94.4	73.1	114.9	72.2	61.4	300.6	167.1
315.0	229.7	67.8	131.9	99.1	70.6	30.4	13.4	94.8	73.7	115.9	72.9	61.9	302.6	167.8
325.0	231.0	68.3	132.9	99.9	71.2	30.6	13.5	95.2	74.3	116.9	73.6	62.4	304.6	168.6
335.0	232.4	68.9	134.0	100.7	71.7	30.9	13.7	95.6	75.0	117.9	74.3	62.9	306.6	169.5
345.0	233.8	69.4	135.0	101.5	72.3	31.2	13.9	96.0	75.6	118.8	74.9	63.5	308.8	170.3
355.0	235.4	70.0	136.0	102.4	73.0	31.5	14.1	96.5	76.2	119.8	75.6	64.1	311.0	171.3
365.0	237.0	70.6	137.2	103.2	73.6	31.8	14.4	96.9	76.9	120.9	76.4	64.7	313.4	172.4
375.0	238.9	71.3	138.3	104.2	74.3	32.2	14.6	97.5	77.7	122.0	77.2	65.3	316.0	173.6
385.0	240.9	72.0	139.6	105.2	75.1	32.6	14.9	98.0	78.5	123.2	78.0	66.0	318.9	174.9
395.0	243.3	72.8	140.9	106.2	75.9	33.1	15.3	98.6	79.3	124.5	78.9	66.8	322.1	176.5
405.0	245.9	73.6	142.4	107.4	76.8	33.6	15.6	99.3	80.3	125.8	79.8	67.6	325.7	178.3
415.0	248.9	74.6	144.0	108.7	77.9	34.1	16.1	100.1	81.3	127.4	80.8	68.5	329.7	180.4
425.0	252.4	75.7	145.8	110.2	79.0	34.8	16.6	100.9	82.5	129.0	81.9	69.4	334.2	182.9
435.0	256.4	76.9	147.7	111.8	80.3	35.6	17.1	101.9	83.8	130.9	83.0	70.4	339.4	186.0
445.0	261.1	78.3	149.9	113.6	81.7	36.5	17.8	103.0	85.3	132.9	84.3	71.5	345.4	189.6
455.0	266.6	79.8	152.3	115.6	83.4	37.5	18.6	104.3	87.0	135.2	85.7	72.6	352.3	193.9
465.0	273.1	81.6	155.0	117.9	85.2	38.7	19.6	105.7	88.9	137.8	87.3	73.9	360.3	199.1
475.0	280.7	83.6	157.9	120.4	87.3	40.1	20.7	107.3	91.0	140.6	88.9	75.3	369.6	205.4
485.0	289.9	85.8	161.1	123.2	89.6	41.6	22.1	109.2	93.3	143.6	90.6	76.9	380.5	213.0
495.0	300.7	88.3	164.6	126.2	92.2	43.5	23.6	111.3	95.9	146.9	92.4	78.5	393.1	222.2
505.0	313.6	91.0	168.3	129.5	95.0	45.5	25.3	113.6	98.7	150.4	94.3	80.2	407.8	233.3
515.0	328.8	93.9	172.2	132.9	98.0	47.8	27.3	116.1	101.7	154.0	96.1	82.0	424.9	246.8
525.0	346.7	96.9	176.0	136.4	101.1	50.3	29.5	118.7	104.7	157.6	97.8	83.7	444.5	263.0
535.0	367.6	99.9	179.7	139.9	104.2	52.8	31.7	121.3	107.7	161.1	99.2	85.4	466.8	282.2
545.0	391.6	102.9	183.4	143.2	107.2	55.4	33.9	123.8	110.6	164.4	100.9	86.8	492.0	304.8
555.0	418.8	105.6	186.7	146.4	110.1	57.9	36.0	126.2	113.3	167.5	101.5	88.0	520.3	330.8
565.0	449.2	108.1	189.8	149.3	112.6	60.1	37.9	128.3	115.7	170.2	102.2	89.1	551.5	360.1

COMPOSITE

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.0	.6	-.2	.2	.6	1.2	1.5	1.1	.6	.0	1.5	1.6	-1.4	-3.6
51.0	-3.0	.6	-.2	.2	.6	1.3	1.6	1.1	.6	.0	1.6	1.7	-1.4	-3.6
52.0	-2.9	.6	-.3	.1	.6	1.3	1.6	1.0	.5	-.1	1.5	1.6	-1.4	-3.5
53.0	-2.8	.4	-.4	-.1	.5	1.2	1.6	1.0	.4	-.2	1.3	1.4	-1.5	-4.2
54.0	-2.9	.4	-.4	-.0	.4	1.3	1.7	1.0	.3	-.2	1.2	1.3	-1.6	-4.2
55.0	-3.0	.5	-.3	.1	.5	1.3	1.7	1.0	.4	-.1	1.2	1.2	-1.7	-4.2
56.0	-3.0	.5	-.2	.1	.5	1.3	1.6	1.0	.4	-.1	1.2	1.2	-1.8	-4.2
57.0	-3.0	.5	-.2	.1	.5	1.3	1.6	1.0	.4	-.1	1.3	1.2	-1.7	-4.2
58.0	-3.0	.4	-.2	.1	.5	1.3	1.7	1.0	.4	-.1	1.3	1.2	-1.6	-4.2
59.0	-3.0	.6	-.2	.2	.6	1.5	1.8	1.1	.5	.0	1.5	1.2	-1.5	-4.2
60.0	-2.9	.7	-.1	.3	.8	1.7	2.0	1.3	.7	.1	1.5	1.2	-1.4	-4.1
61.0	-2.7	.8	-.0	.4	.9	1.8	2.0	1.4	.8	.2	1.5	1.3	-1.2	-4.0
62.0	-2.5	.5	-.2	.1	.6	1.5	1.8	1.2	.6	-.0	1.5	1.4	-1.0	-3.9
63.0	-2.3	.5	-.4	.0	.6	1.4	1.7	1.1	.5	-.2	1.4	1.5	-.9	-3.8
64.0	-2.2	.7	-.2	.2	.7	1.6	1.9	1.3	.7	-.0	1.6	1.4	-.6	-3.6
65.0	-2.0	.6	-.2	.2	.7	1.6	1.8	1.2	.6	-.0	1.6	1.3	-.5	-3.4
66.0	-1.8	.6	-.2	.2	.7	1.6	1.8	1.2	.6	-.1	1.6	1.3	-.3	-3.2
67.0	-1.5	.6	-.3	.1	.6	1.5	1.8	1.1	.5	-.1	1.6	1.4	.0	-3.0
68.0	-1.3	.5	-.4	-.0	.5	1.4	1.7	1.1	.5	-.2	1.6	1.5	.3	-2.8
69.0	-1.1	.6	-.4	.0	.6	1.5	1.8	1.2	.6	-.1	1.7	1.5	.6	-2.6
70.0	-.9	.6	-.3	.1	.6	1.6	1.8	1.3	.6	-.1	1.8	1.5	.9	-2.4
71.0	-.7	.6	-.4	.1	.6	1.6	1.9	1.3	.6	-.1	1.8	1.5	1.1	-2.2
72.0	-.5	.6	-.5	-.0	.6	1.6	1.8	1.3	.6	-.1	1.9	1.6	1.4	-2.0
73.0	-.2	.6	-.5	-.0	.6	1.5	1.9	1.3	.6	-.2	1.9	1.6	1.7	-1.8
74.0	.1	.6	-.5	-.0	.6	1.5	1.9	1.3	.6	-.2	2.0	1.7	2.1	-1.6
75.0	.3	.5	-.6	-.1	.6	1.5	1.9	1.3	.6	-.2	2.1	1.7	2.4	-1.4
76.0	.5	.6	-.6	-.1	.6	1.5	2.0	1.3	.6	-.2	2.2	1.7	2.7	-1.2
77.0	.8	.5	-.7	-.1	.6	1.5	2.0	1.3	.6	-.3	2.2	1.8	3.1	-1.0
78.0	1.2	.5	-.8	-.1	.6	1.5	1.9	1.3	.5	-.3	2.3	1.9	3.4	-.7
79.0	1.4	.4	-.9	-.2	.5	1.4	1.9	1.2	.5	-.4	2.2	2.0	3.6	-.6
80.0	1.7	.3	-1.0	-.3	.4	1.4	1.9	1.1	.4	-.5	2.1	2.1	3.7	-.4
81.0	2.0	.1	-1.3	-.6	.2	1.2	1.7	.9	.2	-.8	1.9	2.1	3.8	-.2
82.0	2.2	-.4	-1.9	-1.1	-.3	.8	1.4	.6	-.2	-.9	1.7	2.2	3.9	.0
83.0	2.3	-.7	-2.3	-1.5	-.6	.6	1.2	.3	-.6	-2.1	1.8	2.2	4.1	.1
84.0	2.3	-.9	-2.6	-1.7	-.8	.5	1.1	.2	-.7	-1.9	1.9	2.2	4.2	.1
85.0	2.2	-.9	-2.7	-1.8	-.8	.5	1.2	.3	-.7	-2.0	2.1	2.0	4.3	.1
86.0	2.1	-1.0	-2.8	-1.9	-.9	.5	1.2	.2	-.8	-2.1	2.2	2.1	4.3	.0
87.0	2.0	-1.1	-3.0	-2.0	-1.0	.4	1.1	.2	-.8	-2.2	2.3	2.2	4.3	-.1
88.0	2.0	-1.1	-3.0	-2.1	-1.0	.4	1.1	.1	-.9	-2.2	2.4	2.3	4.4	-.3
89.0	1.9	-1.1	-3.0	-2.0	-1.0	.4	1.1	.2	-.8	-2.2	2.5	2.4	4.5	-.5
90.0	1.9	-1.0	-2.9	-2.0	-1.0	.4	1.1	.2	-.8	-2.1	2.6	2.4	4.5	-.6
91.0	1.8	-1.0	-2.9	-1.9	-.9	.4	1.2	.2	-.8	-2.1	2.6	2.5	4.4	-.6
92.0	1.8	-1.0	-2.9	-1.9	-1.0	.4	1.1	.2	-.8	-2.1	2.6	2.5	4.4	-.7
93.0	1.8	-1.0	-2.9	-1.9	-1.0	.4	1.1	.2	-.8	-2.1	2.6	2.6	4.5	-.7
94.0	1.8	-1.0	-2.8	-1.9	-1.0	.4	1.2	.2	-.8	-2.1	2.7	2.6	4.5	-.8
95.0	1.8	-1.0	-2.8	-1.9	-.9	.4	1.2	.2	-.8	-2.0	2.7	2.6	4.5	-.8
96.0	1.7	-1.0	-2.8	-1.9	-1.0	.4	1.2	.2	-.8	-2.0	2.8	2.6	4.5	-.8
97.0	1.8	-1.0	-2.9	-2.0	-1.0	.3	1.1	.1	-.8	-2.1	2.7	2.7	4.5	-.9
98.0	1.8	-1.1	-2.9	-2.0	-1.0	.3	1.0	.1	-.9	-2.1	2.7	2.8	4.5	-.9
99.0	1.8	-1.1	-2.8	-1.9	-1.0	.3	1.1	.1	-.9	-2.1	2.7	2.7	4.5	-.9

COMPOSITE

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	ALPHA	POS		
285.0	-11.4	.1	-.6	-.3	-.1	.5	.7	.2	-.1	-.6	2.0	2.1	-9.4	-13.5
295.0	-11.5	.1	-.5	-.2	.0	.5	.7	.3	-.1	-.5	1.9	2.0	-9.6	-13.5
305.0	-11.5	.2	-.4	-.1	.1	.6	.8	.4	.1	-.4	1.8	1.9	-9.7	-13.5
315.0	-11.5	.3	-.3	-.1	.2	.6	.7	.4	.1	-.3	1.8	1.9	-9.7	-13.4
325.0	-11.3	.3	-.2	.0	.2	.6	.8	.4	.2	-.2	1.7	1.8	-9.6	-13.2
335.0	-11.1	.4	-.1	.1	.3	.7	.8	.5	.2	-.1	1.7	1.8	-9.5	-12.9
345.0	-10.9	.4	.0	.2	.4	.7	.8	.5	.3	.0	1.6	1.7	-9.3	-12.6
355.0	-10.6	.5	.1	.3	.4	.7	.8	.6	.4	.1	1.5	1.6	-9.0	-12.2
365.0	-10.2	.6	.2	.4	.5	.8	.9	.6	.5	.2	1.5	1.6	-8.7	-11.8
375.0	-9.7	.6	.3	.4	.6	.8	.9	.7	.5	.3	1.4	1.5	-8.3	-11.2
385.0	-9.2	.7	.4	.5	.6	.8	.9	.7	.6	.4	1.4	1.4	-7.9	-10.7
395.0	-8.7	.7	.5	.6	.7	.9	.9	.8	.7	.5	1.3	1.4	-7.4	-10.1
405.0	-8.1	.8	.6	.7	.8	.9	.9	.8	.7	.6	1.3	1.3	-6.9	-9.5
415.0	-7.5	.9	.7	.8	.8	.9	.9	.9	.8	.7	1.2	1.3	-6.3	-8.8
425.0	-6.9	.9	.8	.9	.9	.9	1.0	.9	.9	.8	1.2	1.2	-5.7	-8.1
435.0	-6.1	1.0	.9	.9	.9	.9	1.0	.9	.9	.9	1.1	1.2	-4.9	-7.3
445.0	-5.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	-4.2	-6.5
455.0	-4.5	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	-3.4	-5.7
465.0	-3.7	1.1	1.2	1.1	1.1	1.0	1.0	1.0	1.1	1.2	1.1	1.1	-2.6	-4.8
475.0	-2.9	1.1	1.3	1.2	1.1	1.0	1.0	1.1	1.2	1.3	1.1	1.2	-1.8	-4.0
485.0	-2.0	1.2	1.3	1.3	1.2	1.0	.9	1.1	1.2	1.3	1.1	1.2	-.9	-3.1
495.0	-1.1	1.2	1.4	1.3	1.2	1.0	.9	1.1	1.3	1.4	1.1	1.2	.0	-2.3
505.0	-.2	1.2	1.5	1.4	1.2	1.0	.9	1.1	1.3	1.5	1.2	1.2	1.0	-1.5
515.0	.6	1.3	1.7	1.5	1.3	1.0	1.0	1.2	1.4	1.7	1.3	1.3	1.8	-.7
525.0	1.6	1.2	1.6	1.4	1.2	.9	.8	1.1	1.3	1.6	1.3	1.4	2.9	.2
535.0	2.4	1.2	1.6	1.4	1.2	.8	.7	1.1	1.3	1.6	1.4	1.5	3.8	.9
545.0	3.2	1.3	1.8	1.5	1.3	.9	.8	1.1	1.4	1.8	1.5	1.6	4.7	1.6
555.0	3.9	1.2	1.8	1.5	1.3	.8	.7	1.1	1.4	1.8	1.7	1.7	5.6	2.3
565.0	4.5	1.2	1.8	1.5	1.2	.7	.5	1.0	1.3	1.8	1.8	1.8	6.3	2.7

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9					
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-13.3	.8	81.6	56.0	10.8	-31.8	-58.2	-31.0	9.0	48.7	2.4	2.5	-10.8	-15.8	
2.0	-5.5	.3	50.4	42.1	4.7	-28.6	-44.4	-30.0	1.0	29.2	.8	2.3	-4.8	-7.8	
3.0	-3.4	.2	35.2	31.0	2.4	-21.8	-32.8	-23.7	.3	20.9	.7	4.1	-2.7	-7.4	
4.0	-2.4	.1	26.8	23.4	1.2	-17.1	-25.4	-18.7	.5	16.4	.8	5.1	-1.6	-7.5	
5.0	-1.9	.1	21.4	18.5	.7	-13.9	-20.4	-15.2	.7	13.5	1.0	5.6	-.9	-7.5	
6.0	-1.6	.1	17.9	15.3	.5	-11.6	-17.1	-12.7	.7	11.4	1.1	5.7	-.6	-7.3	
7.0	-1.6	.1	15.5	13.1	.5	-9.9	-14.7	-10.9	.6	9.9	1.2	5.5	-.4	-7.1	
8.0	-1.5	.0	13.7	11.5	.5	-8.7	-13.0	-9.6	.6	8.8	1.2	5.2	-.4	-6.8	
9.0	-1.7	-.1	12.3	9.8	-.1	-8.3	-11.9	-8.2	.9	8.2	1.0	5.0	-.7	-6.6	
10.0	-1.7	.1	11.2	7.2	-2.1	-8.7	-10.4	-5.6	2.9	8.7	1.1	4.4	-.6	-6.0	
11.0	-.8	.4	9.5	3.9	-4.5	-9.0	-8.5	-2.3	5.2	9.2	1.5	3.7	.7	-4.5	
12.0	.3	.5	7.3	.7	-6.3	-8.7	-6.3	.6	6.9	9.0	1.8	3.1	2.1	-2.8	
13.0	1.1	.6	5.0	-2.0	-7.4	-7.9	-4.0	3.1	7.8	8.3	2.0	2.6	3.1	-1.5	
14.0	1.6	.6	2.7	-4.0	-7.7	-6.7	-1.7	5.0	8.2	7.2	2.0	2.2	3.6	-.7	
15.0	1.7	.7	.7	-5.5	-7.6	-5.3	.4	6.4	8.2	5.9	1.9	2.0	3.6	-.3	
16.0	1.4	.7	-.3	-5.8	-7.2	-4.4	1.3	6.8	7.9	5.1	1.8	1.9	3.1	-.5	
17.0	1.0	.6	-.2	-5.6	-6.9	-4.3	1.2	6.5	7.7	5.1	1.6	1.8	2.6	-.8	
18.0	.9	.5	.1	-5.2	-6.7	-4.5	.8	6.1	7.5	5.3	1.5	1.7	2.4	-.8	
19.0	1.0	.5	.3	-4.8	-6.3	-4.4	.6	5.8	7.2	5.3	1.4	1.6	2.4	-.6	
20.0	1.3	.4	.4	-4.4	-5.8	-4.1	.6	5.4	6.8	5.1	1.2	1.5	2.5	-.3	
21.0	1.4	.4	.4	-4.1	-5.4	-3.8	.5	5.0	6.3	4.8	1.1	1.5	2.5	-.1	
22.0	1.4	.3	.3	-3.9	-5.0	-3.6	.5	4.7	5.9	4.5	1.0	1.5	2.4	-.1	
23.0	1.3	.3	.3	-3.6	-4.7	-3.4	.5	4.4	5.5	4.2	1.0	1.4	2.3	-.1	
24.0	1.3	.3	.3	-3.4	-4.4	-3.2	.4	4.1	5.1	3.9	.9	1.4	2.2	-.1	
25.0	1.2	.3	.2	-3.2	-4.1	-3.0	.4	3.8	4.8	3.7	.8	1.3	2.1	-.1	
26.0	1.3	.2	.2	-3.1	-3.9	-2.9	.3	3.5	4.4	3.4	.8	1.3	2.0	-.1	
27.0	1.2	.2	.1	-2.9	-3.7	-2.8	.2	3.2	4.1	3.2	.7	1.3	2.0	-.1	
28.0	1.1	.1	.1	-2.7	-3.5	-2.6	.2	3.0	3.8	2.9	.8	1.4	1.9	-.2	
29.0	1.0	.1	.1	-2.5	-3.2	-2.4	.2	2.7	3.5	2.7	.8	1.4	1.8	-.4	
30.0	1.0	.1	.1	-2.3	-3.0	-2.2	.2	2.5	3.3	2.5	.8	1.5	1.8	-.5	
31.0	.9	.1	.1	-2.1	-2.8	-2.1	.1	2.3	3.0	2.3	.8	1.5	1.8	-.6	
32.0	.8	.1	.0	-1.9	-2.6	-1.9	.1	2.1	2.7	1.7	.9	1.6	1.7	-.7	
33.0	.8	.0	.0	-1.8	-2.4	-1.8	.1	1.9	2.5	-1.3	.9	1.6	1.7	-.9	
34.0	.7	.0	-.0	-1.6	-2.2	-1.7	.1	1.7	2.2	-2.6	1.0	1.7	1.7	-1.0	
35.0	.6	.0	-.0	-1.5	-1.9	-1.5	.1	1.6	2.0	.2	1.1	1.7	1.7	-1.1	
36.0	.5	.0	-.0	-1.3	-1.7	-1.3	.1	1.4	1.7	2.8	1.2	1.8	1.7	-1.3	
37.0	.4	.0	-.0	-1.2	-1.5	-1.2	.1	1.2	1.6	2.1	1.2	1.8	1.6	-1.4	
38.0	.4	.0	-.0	-1.0	-1.4	-1.1	.1	1.1	1.4	1.6	1.3	1.8	1.6	-1.5	
39.0	.3	.0	-.0	-.9	-1.2	-1.0	.1	1.0	1.2	1.1	1.3	1.8	1.6	-1.5	
40.0	.2	.0	-.0	-.8	-1.1	-.9	.1	.9	1.1	.7	1.4	1.9	1.6	-1.6	
41.0	.2	.0	.0	-.7	-1.0	-.8	.1	.9	1.1	.6	1.4	1.9	1.6	-1.6	
42.0	.2	.1	.0	-.6	-1.0	-.9	.1	.9	1.1	.6	1.4	1.8	1.6	-1.6	
43.0	.2	.1	.0	-.6	-1.0	-.9	.1	.9	1.1	.7	1.3	1.7	1.5	-1.5	
44.0	.2	.1	.1	-.6	-1.0	-.9	.1	.9	1.1	.8	1.2	1.7	1.5	-1.4	
45.0	.2	.1	.1	-.7	-1.0	-1.0	.1	.8	1.1	.9	1.2	1.6	1.4	-1.4	
46.0	.3	.1	.1	-.7	-1.0	-1.0	.0	.9	1.2	1.0	1.1	1.6	1.4	-1.3	
47.0	.3	.1	.1	-.7	-1.1	-1.0	.0	.9	1.2	1.0	1.1	1.5	1.4	-1.3	
48.0	.3	.1	.1	-.7	-1.0	-1.1	.0	.9	1.2	1.0	1.1	1.6	1.5	-1.2	
49.0	.3	.1	.1	-.7	-1.0	-1.1	.0	.9	1.2	1.0	1.1	1.6	1.5	-1.2	

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	.4	.1	-.0	-.7	-1.1	-1.1	.0	.9	1.2	.9	1.1	1.6	1.5	-1.2
51.0	.4	.0	-.1	-.8	-1.1	-1.1	.0	.9	1.1	.8	1.2	1.6	1.6	-1.2
52.0	.4	-.0	-.1	-.9	-1.2	-1.1	.0	.9	1.1	.8	1.2	1.5	1.6	-1.2
53.0	.3	.0	-.1	-.8	-1.2	-1.2	.1	.9	1.2	.9	1.2	1.5	1.5	-1.2
54.0	.2	.0	.0	-.8	-1.2	-1.2	.1	1.0	1.2	1.0	1.2	1.6	1.5	-1.3
55.0	.2	.0	.0	-.8	-1.2	-1.2	.1	1.0	1.3	1.0	1.2	1.6	1.5	-1.3
56.0	.2	.1	.0	-.8	-1.2	-1.2	.1	1.1	1.3	1.1	1.2	1.6	1.5	-1.4
57.0	.3	.1	.0	-.8	-1.3	-1.3	.1	1.1	1.4	1.1	1.3	1.6	1.5	-1.4
58.0	.3	.0	-.0	-.9	-1.3	-1.3	.1	1.1	1.4	1.1	1.3	1.7	1.5	-1.4
59.0	.3	.0	-.1	-.9	-1.4	-1.4	.1	1.2	1.5	1.1	1.3	1.7	1.6	-1.4
60.0	.3	.1	-.0	-.9	-1.4	-1.5	.2	1.2	1.6	1.1	1.3	1.7	1.6	-1.5
61.0	.3	.1	-.0	-1.0	-1.5	-1.5	.2	1.3	1.7	1.2	1.3	1.8	1.6	-1.5
62.0	.3	.1	-.0	-.9	-1.5	-1.5	.2	1.3	1.6	1.2	1.3	1.8	1.6	-1.5
63.0	.3	.1	-.0	-.9	-1.5	-1.5	.2	1.4	1.6	1.1	1.3	1.8	1.6	-1.5
64.0	.3	.1	.0	-.9	-1.5	-1.5	.2	1.3	1.6	1.1	1.3	1.7	1.5	-1.4
65.0	.3	.1	-.0	-.8	-1.3	-1.4	.2	1.2	1.4	1.1	1.2	1.6	1.5	-1.3
66.0	.3	.1	-.0	-.8	-1.2	-1.4	.1	1.1	1.3	1.1	1.1	1.5	1.4	-1.2
67.0	.3	.1	.0	-.8	-1.2	-1.3	.1	1.1	1.4	1.1	1.1	1.5	1.4	-1.2
68.0	.3	.1	.0	-.8	-1.3	-1.3	.1	1.1	1.5	1.2	1.0	1.4	1.4	-1.1
69.0	.4	.1	.0	-.9	-1.4	-1.3	.1	1.2	1.5	1.2	1.0	1.4	1.4	-1.1
70.0	.4	.1	.0	-.9	-1.4	-1.3	.1	1.2	1.6	1.2	1.0	1.4	1.4	-1.1
71.0	.4	.1	.0	-1.0	-1.4	-1.3	.1	1.2	1.6	1.2	1.0	1.4	1.4	-1.0
72.0	.4	.0	-.1	-1.0	-1.5	-1.4	.1	1.2	1.6	1.1	1.0	1.4	1.4	-1.0
73.0	.4	.0	.0	-1.1	-1.5	-1.4	.1	1.2	1.6	1.2	1.0	1.4	1.4	-1.0
74.0	.4	.0	-.1	-1.1	-1.6	-1.5	.1	1.3	1.6	1.2	1.0	1.4	1.4	-1.0
75.0	.4	.0	.0	-1.1	-1.5	-1.4	.1	1.2	1.6	1.3	.9	1.4	1.3	-1.0
76.0	.4	.0	-.3	-1.1	-1.6	-1.5	.1	1.3	1.7	1.3	1.0	1.4	1.4	-1.0
77.0	.4	.0	.2	-1.2	-1.6	-1.5	.1	1.2	1.7	1.4	.9	1.3	1.3	-.9
78.0	.4	.1	-.2	-1.1	-1.7	-1.6	.2	1.5	1.9	1.5	1.0	1.4	1.4	-1.0
79.0	.4	.1	.2	-1.2	-1.6	-1.6	.2	1.4	1.9	1.7	1.0	1.3	1.4	-.9
80.0	.4	.2	.0	-1.2	-1.8	-1.7	.2	1.7	2.1	1.7	1.1	1.4	1.5	-1.0
81.0	.5	.1	.2	-1.3	-1.8	-1.7	.2	1.6	2.1	1.8	1.1	1.4	1.6	-.9
82.0	.5	.2	.0	-1.5	-2.0	-1.9	.2	1.8	2.3	1.0	1.2	1.4	1.7	-1.0
83.0	.6	.1	.1	-1.4	-2.0	-2.0	.2	1.8	2.3	1.3	1.2	1.5	1.8	-.9
84.0	.6	.2	.0	-1.5	-2.3	-2.1	.2	2.0	2.6	2.3	1.3	1.5	1.9	-1.0
85.0	.6	.1	.1	-1.7	-2.4	-2.2	.2	2.1	2.7	2.3	1.4	1.6	2.0	-1.0
86.0	.7	.1	.1	-1.7	-2.5	-2.3	.2	2.1	2.8	2.3	1.5	1.7	2.2	-1.0
87.0	.7	.1	.0	-1.8	-2.5	-2.3	.2	2.1	2.7	2.2	1.6	1.8	2.3	-1.1
88.0	.7	.1	.0	-1.8	-2.5	-2.4	.1	2.0	2.7	2.2	1.8	1.9	2.4	-1.2
89.0	.6	.1	.0	-1.8	-2.5	-2.3	.1	2.0	2.6	2.2	1.8	1.9	2.4	-1.3
90.0	.6	.1	.0	-1.7	-2.4	-2.3	.1	2.0	2.6	2.1	1.8	1.9	2.4	-1.3
91.0	.6	.1	.0	-1.7	-2.4	-2.2	.2	2.0	2.6	2.1	1.8	1.9	2.4	-1.4
92.0	.5	.2	.1	-1.6	-2.3	-2.1	.2	2.0	2.6	2.1	1.8	1.9	2.4	-1.4
93.0	.5	.2	.1	-1.5	-2.2	-2.1	.3	2.0	2.6	2.1	1.9	1.9	2.4	-1.4
94.0	.6	.2	.2	-1.5	-2.1	-2.0	.3	2.1	2.6	2.1	1.9	1.9	2.4	-1.4
95.0	.6	.2	.2	-1.5	-2.1	-2.0	.3	2.0	2.6	2.1	1.9	1.9	2.5	-1.3
96.0	.6	.2	.1	-1.5	-2.1	-2.0	.2	2.0	2.5	2.1	1.9	2.0	2.5	-1.3
97.0	.7	.2	.1	-1.5	-2.1	-2.1	.2	1.9	2.4	2.0	1.9	2.0	2.5	-1.3
98.0	.6	.2	.2	-1.4	-2.1	-2.1	.2	1.9	2.4	2.0	1.9	2.0	2.6	-1.3
99.0	.7	.2	.1	-1.4	-2.1	-2.1	.2	1.9	2.4	1.9	1.9	2.0	2.6	-1.3

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	.6	.1	.1	-1.5	-2.1	-2.2	.2	1.9	2.4	2.0	1.9	2.0	2.6	-1.3
101.0	.6	.1	.1	-1.5	-2.2	-2.2	.1	1.9	2.4	1.9	2.0	2.0	2.6	-1.3
102.0	.6	.1	.0	-1.5	-2.2	-2.2	.1	1.8	2.3	1.2	2.0	2.0	2.6	-1.4
103.0	.6	.0	.0	-1.6	-2.2	-2.2	.1	1.7	2.3	2.0	2.0	2.0	2.6	-1.4
104.0	.5	.0	.0	-1.5	-2.2	-2.2	.1	1.8	2.3	1.9	2.0	2.0	2.6	-1.4
105.0	.5	.0	-.0	-1.6	-2.2	-2.1	.2	1.8	2.2	1.9	2.0	2.0	2.5	-1.5
106.0	.6	.0	-.1	-1.6	-2.2	-2.1	.2	1.8	2.2	1.8	2.0	2.0	2.6	-1.4
107.0	.6	.0	-.2	-1.6	-2.2	-2.1	.1	1.8	2.2	1.7	2.0	2.0	2.6	-1.4
108.0	.6	.0	-.1	-1.6	-2.2	-2.2	.1	1.8	2.2	1.7	1.9	2.0	2.6	-1.4
109.0	.6	.0	-.1	-1.5	-2.2	-2.1	.1	1.8	2.2	1.7	1.9	1.9	2.4	-1.3
110.0	.6	.0	-.0	-1.5	-2.1	-2.0	.1	1.7	2.1	1.6	1.7	1.9	2.3	-1.3
111.0	.5	.1	-.0	-1.3	-1.9	-1.8	.1	1.6	2.0	1.6	1.6	1.9	2.1	-1.4
112.0	.5	.1	.0	-1.2	-1.7	-1.7	.1	1.5	1.8	1.5	1.6	2.1	2.1	-1.5
113.0	.5	.1	-.0	-1.1	-1.6	-1.6	.1	1.4	1.7	1.4	1.8	2.4	2.3	-1.9
114.0	.5	.1	.0	-1.1	-1.5	-1.5	.2	1.4	1.6	1.3	2.9	3.5	3.5	-2.9
115.0	.5	.1	.0	-1.0	-1.4	-1.5	.2	1.5	1.6	1.2	3.9	4.4	4.4	-3.8
116.0	.5	.2	.1	-.9	-1.3	-1.4	.2	1.5	1.7	1.3	4.4	4.9	4.9	-4.4
117.0	.5	.3	.2	-.9	-1.3	-1.4	.3	1.6	1.8	1.4	4.7	5.2	5.2	-4.7
118.0	.5	.4	.3	-.8	-1.3	-1.4	.3	1.8	2.0	1.6	4.7	5.1	5.2	-4.6
119.0	.5	.4	.3	-.9	-1.4	-1.5	.3	1.8	2.1	1.7	4.4	4.7	4.9	-4.2
120.0	.5	.4	.3	-1.0	-1.5	-1.6	.3	1.8	2.2	1.8	4.1	4.4	4.6	-3.8
121.0	.6	.3	.3	-1.1	-1.6	-1.7	.3	1.8	2.2	1.9	3.8	4.0	4.4	-3.4
122.0	.6	.3	.3	-1.1	-1.6	-1.8	.3	1.8	2.2	1.9	3.5	3.5	4.1	-2.9
123.0	.6	.3	.3	-1.1	-1.7	-1.9	.3	1.9	2.2	1.8	3.0	2.9	3.6	-2.3
124.0	.6	.3	.3	-1.0	-1.7	-1.9	.3	1.9	2.3	1.9	2.3	2.1	2.9	-1.5
125.0	.6	.3	.3	-1.1	-1.7	-1.9	.3	1.9	2.3	1.9	1.6	1.3	2.2	-.7
126.0	.6	.3	.3	-1.1	-1.8	-1.9	.3	1.9	2.3	2.0	1.8	1.6	2.4	-1.0
127.0	.7	.2	.2	-1.2	-1.9	-2.0	.3	1.9	2.3	2.0	2.0	1.8	2.7	-1.1
128.0	.7	.2	.2	-1.3	-1.9	-2.0	.2	1.9	2.3	1.9	2.2	2.1	2.9	-1.4
129.0	.7	.2	.1	-1.3	-2.0	-1.9	.2	1.8	2.2	1.9	2.2	2.1	2.9	-1.4
130.0	.7	.2	.1	-1.3	-1.9	-1.9	.2	1.8	2.2	1.9	2.5	2.2	3.2	-1.5
131.0	.7	-.5	-.8	-3.8	-3.2	-4.9	-.3	3.0	3.9	3.0	2.5	2.2	3.2	-1.5
132.0	.7	-.5	-.8	-3.7	-5.0	-4.9	-.3	3.0	3.8	3.0	2.5	2.2	3.2	-1.5
133.0	.1	.1	-.2	-3.0	-4.3	-4.3	.4	3.6	4.5	3.6	5.2	4.2	5.2	-4.1
134.0	.1	.1	-.2	-3.0	-4.3	-4.3	.3	3.6	4.4	3.6	5.1	5.3	5.2	-5.2
135.0	.1	.1	-.1	-2.9	-4.3	-4.4	.3	3.6	4.4	3.6	5.1	5.3	5.2	-5.2
145.0	-.1	.2	.1	-2.9	-4.5	-4.4	.3	3.6	4.7	3.8	4.8	5.0	4.7	-5.1
155.0	-.2	.2	.2	-3.0	-4.1	-4.0	.3	3.6	4.5	3.4	4.5	4.7	4.2	-4.9
165.0	-.2	.2	.1	-2.6	-3.7	-3.6	.3	3.3	4.1	3.3	4.1	4.3	4.0	-4.5
175.0	-.1	.2	.2	-2.3	-3.4	-3.3	.3	3.0	3.7	3.1	3.8	4.0	3.7	-4.1
185.0	-.1	.2	.2	-2.1	-3.1	-3.0	.2	2.8	3.5	2.9	3.5	3.6	3.3	-3.8
195.0	-.1	.2	.2	-1.9	-2.9	-2.8	.2	2.6	3.2	2.7	3.2	3.3	3.0	-3.5
205.0	-.1	.2	.2	-1.8	-2.6	-2.6	.2	2.4	3.0	2.5	2.9	3.0	2.7	-3.2
215.0	-.2	.2	.2	-1.6	-2.4	-2.4	.2	2.2	2.7	2.3	2.6	2.7	2.5	-2.9
225.0	-.2	.2	.2	-1.5	-2.2	-2.2	.1	2.0	2.5	2.1	2.3	2.5	2.2	-2.6
235.0	-.2	.1	.2	-1.4	-2.0	-2.0	.1	1.8	2.3	1.9	2.1	2.2	1.9	-2.3
245.0	-.2	.1	.2	-1.3	-1.9	-1.8	.1	1.6	2.1	1.7	1.8	1.9	1.7	-2.1
255.0	-1.8	.0	.0	-.5	-.7	-.6	-.0	.6	.7	.6	.4	.4	-1.5	-2.2
265.0	-1.9	.0	.0	-.5	-.7	-.6	-.0	.5	.7	.6	.3	.3	-1.5	-2.2
275.0	-1.9	.0	.0	-.5	-.6	-.5	-.0	.5	.7	.6	.1	.1	-1.8	-2.0

COMPOSITE

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	BETA	POS
285.0	-1.9	.0	.1	-.5	-.6	-.5	-.0	.5	.6	.5	-1.8	-2.0
295.0	-1.9	.0	.1	-.5	-.6	-.5	-.0	.5	.6	.5	-1.9	-2.0
305.0	-1.9	.0	.1	-.5	-.6	-.5	-.0	.5	.6	.5	-1.9	-2.0
315.0	-2.0	.0	.1	-.4	-.6	-.5	-.0	.5	.6	.5	-1.9	-2.0
325.0	-2.0	.0	.1	-.4	-.5	-.5	-.0	.4	.6	.5	-1.9	-2.1
335.0	-2.0	.0	.1	-.4	-.5	-.5	-.0	.4	.5	.5	-2.0	-2.1
345.0	-2.0	.0	.1	-.4	-.5	-.4	-.0	.4	.5	.5	-2.0	-2.1
355.0	-2.1	.0	.1	-.4	-.5	-.4	-.0	.4	.5	.4	-2.0	-2.1
365.0	-2.1	.0	.1	-.4	-.5	-.4	-.0	.4	.5	.4	-2.0	-2.1
375.0	-2.1	.0	.1	-.4	-.5	-.4	-.0	.4	.5	.4	-2.0	-2.2
385.0	-2.1	.0	.1	-.3	-.4	-.4	-.0	.4	.5	.4	-2.1	-2.2
395.0	-2.2	.0	.1	-.3	-.4	-.4	-.0	.3	.4	.4	-2.1	-2.2
405.0	-2.2	.0	.1	-.3	-.4	-.4	-.0	.3	.4	.4	-2.1	-2.2
415.0	-2.2	.0	.1	-.3	-.4	-.4	-.1	.3	.4	.4	-2.1	-2.2
425.0	-2.2	.0	.1	-.3	-.4	-.4	-.1	.3	.4	.4	-2.2	-2.3
435.0	-2.3	.0	.1	-.3	-.4	-.3	-.1	.3	.4	.3	-2.2	-2.3
445.0	-2.3	.0	.1	-.3	-.4	-.3	-.1	.3	.4	.3	-2.2	-2.3
455.0	-2.3	.0	.1	-.3	-.4	-.3	-.1	.3	.4	.3	-2.3	-2.3
465.0	-2.4	.0	.1	-.2	-.3	-.3	-.1	.2	.3	.3	-2.3	-2.4
475.0	-2.4	.0	.0	-.2	-.3	-.3	-.1	.2	.3	.3	-2.3	-2.4
485.0	-2.4	-.0	.0	-.2	-.3	-.3	-.1	.2	.3	.3	-2.4	-2.5
495.0	-2.5	-.0	.0	-.2	-.3	-.3	-.1	.2	.3	.3	-2.4	-2.5
505.0	-2.6	-.0	.0	-.2	-.3	-.3	-.1	.2	.3	.3	-2.4	-2.6
515.0	-2.6	-.0	.0	-.2	-.3	-.3	-.1	.2	.3	.2	-2.5	-2.6
525.0	-2.7	-.0	.0	-.2	-.3	-.3	-.1	.2	.2	.2	-2.6	-2.7
535.0	-2.8	-.0	.0	-.2	-.3	-.3	-.1	.1	.2	.2	-2.6	-2.8
545.0	-2.9	-.1	-.0	-.2	-.3	-.3	-.1	.1	.2	.2	-2.7	-2.9
555.0	-3.0	-.1	-.0	-.3	-.3	-.3	-.2	.1	.1	.1	-2.8	-3.0
565.0											-2.9	-3.2

APPENDIX I—MISSION 3A COMPOSITE AND WIND DISPERSED TRAJECTORIES

ORIGINAL PAGE IS
OF POOR QUALITY

COMPOSITE

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AHI	POS		
50.0	1.6	.2	.7	.6	.3	.0	-.1	.0	.3	.5	.5	.7	2.2	.9
51.0	1.7	.3	.8	.6	.3	.0	-.1	.0	.3	.6	.6	.8	2.3	1.0
52.0	1.8	.3	.9	.7	.3	.0	-.1	.0	.3	.6	.6	.8	2.5	1.0
53.0	2.0	.3	1.0	.8	.3	.0	-.2	.0	.4	.7	.7	.9	2.6	1.1
54.0	2.1	.3	1.0	.8	.4	.0	-.2	.0	.4	.7	.7	.9	2.8	1.2
55.0	2.2	.3	1.1	.9	.4	.0	-.2	.0	.4	.8	.8	.9	3.0	1.3
56.0	2.3	.4	1.2	1.0	.4	.0	-.2	.0	.5	.9	.8	1.0	3.1	1.4
57.0	2.5	.4	1.3	1.1	.5	.1	-.2	.0	.5	.9	.9	1.0	3.3	1.5
58.0	2.6	.4	1.5	1.2	.5	.1	-.3	.0	.5	1.0	.9	1.1	3.5	1.6
59.0	2.8	.5	1.6	1.3	.6	.1	-.3	.0	.6	1.1	1.0	1.1	3.8	1.7
60.0	2.9	.5	1.7	1.4	.6	.1	-.3	.0	.6	1.2	1.1	1.1	4.0	1.8
61.0	3.1	.6	1.9	1.6	.7	.1	-.3	.0	.7	1.3	1.2	1.2	4.3	1.9
62.0	3.3	.7	2.1	1.7	.7	.1	-.3	.0	.8	1.4	1.3	1.2	4.5	2.1
63.0	3.5	.7	2.2	1.9	.8	.2	-.3	.1	.9	1.5	1.4	1.3	4.9	2.2
64.0	3.7	.8	2.4	2.0	.9	.2	-.3	.1	.9	1.7	1.5	1.3	5.2	2.4
65.0	4.0	.9	2.6	2.2	1.0	.3	-.3	.1	1.0	1.8	1.6	1.4	5.6	2.6
66.0	4.3	1.0	2.8	2.4	1.1	.4	-.3	.2	1.2	2.0	1.8	1.5	6.1	2.8
67.0	4.6	1.1	3.1	2.6	1.3	.4	-.3	.2	1.3	2.1	1.9	1.6	6.5	3.0
68.0	5.0	1.3	3.3	2.9	1.4	.5	-.3	.3	1.4	2.3	2.1	1.7	7.1	3.3
69.0	5.4	1.4	3.6	3.1	1.6	.6	-.2	.4	1.6	2.5	2.3	1.9	7.7	3.6
70.0	5.8	1.6	3.8	3.3	1.7	.7	-.2	.4	1.7	2.7	2.5	2.0	8.3	3.9
71.0	6.3	1.7	4.1	3.6	1.9	.8	-.1	.5	1.9	3.0	2.7	2.1	9.0	4.2
72.0	6.9	1.9	4.4	3.9	2.1	1.0	-.1	.6	2.1	3.2	3.0	2.3	9.8	4.6
73.0	7.5	2.1	4.8	4.2	2.3	1.1	.0	.8	2.3	3.5	3.2	2.5	10.7	5.0
74.0	8.1	2.3	5.1	4.5	2.5	1.3	.1	.9	2.5	3.7	3.5	2.7	11.6	5.4
75.0	8.8	2.6	5.5	4.9	2.7	1.4	.2	1.0	2.7	4.0	3.8	2.9	12.7	5.9
76.0	9.6	2.8	5.8	5.2	3.0	1.6	.3	1.2	3.0	4.4	4.1	3.2	13.8	6.4
77.0	10.5	3.1	6.2	5.6	3.3	1.8	.4	1.4	3.3	4.7	4.5	3.5	15.0	7.0
78.0	11.4	3.4	6.7	6.0	3.5	2.1	.6	1.6	3.6	5.1	4.9	3.8	16.3	7.7
79.0	12.4	3.7	7.1	6.5	3.9	2.3	.7	1.8	3.9	5.4	5.2	4.1	17.7	8.4
80.0	13.5	4.0	7.5	6.9	4.2	2.6	.8	2.0	4.2	5.8	5.6	4.4	19.2	9.1
81.0	14.7	4.4	8.0	7.4	4.5	2.8	1.0	2.2	4.6	6.3	6.0	4.8	20.7	10.0
82.0	16.0	4.7	8.5	7.9	4.9	3.1	1.2	2.4	5.0	6.7	6.4	5.1	22.4	10.9
83.0	17.4	5.1	9.1	8.4	5.2	3.4	1.4	2.7	5.4	7.2	6.8	5.5	24.2	11.8
84.0	18.8	5.5	9.6	8.9	5.6	3.6	1.6	2.9	5.8	7.7	7.2	5.9	26.0	12.9
85.0	20.3	5.9	10.2	9.5	6.0	4.0	1.7	3.2	6.2	8.2	7.7	6.3	28.0	14.0
86.0	21.9	6.3	10.9	10.1	6.5	4.3	1.9	3.5	6.7	8.8	8.1	6.7	30.0	15.2
87.0	23.6	6.7	11.5	10.8	6.9	4.6	2.1	3.8	7.2	9.4	8.6	7.1	32.2	16.5
88.0	25.4	7.2	12.2	11.4	7.4	4.9	2.2	4.0	7.7	10.0	9.0	7.5	34.4	17.9
89.0	27.3	7.7	12.9	12.1	7.9	5.3	2.4	4.3	8.1	10.6	9.5	7.9	36.8	19.3
90.0	29.3	8.2	13.7	12.9	8.4	5.6	2.5	4.6	8.7	11.2	10.0	8.4	39.2	20.9
91.0	31.3	8.7	14.4	13.6	8.9	6.0	2.6	4.9	9.2	11.9	10.4	8.9	41.8	22.5
92.0	33.5	9.2	15.2	14.4	9.4	6.3	2.7	5.1	9.7	12.6	10.9	9.3	44.4	24.2
93.0	35.7	9.8	16.1	15.2	9.9	6.7	2.9	5.4	10.3	13.3	11.4	9.8	47.1	25.9
94.0	38.1	10.3	16.9	16.0	10.5	7.0	3.1	5.6	10.9	14.1	11.9	10.3	49.9	27.8
95.0	40.5	10.9	17.8	16.9	11.1	7.4	3.3	5.9	11.5	14.8	12.3	10.7	52.8	29.8
96.0	43.0	11.5	18.8	17.8	11.7	7.8	3.4	6.2	12.1	15.6	12.8	11.2	55.8	31.8
97.0	45.6	12.1	19.7	18.9	12.3	8.2	3.4	6.4	12.7	16.5	13.3	11.7	58.9	33.9
98.0	48.3	12.7	20.8	19.9	12.9	8.6	3.5	6.7	13.4	17.3	13.7	12.2	62.0	36.1
99.0	51.0	13.3	21.8	20.8	13.6	9.0	3.5	6.9	14.0	18.2	14.2	12.7	65.2	38.4

COMPOSITE

TIME	NOM VAL	1	2	3	4	5	6	7	8	9	AMT	POS
100.0	53.9	13.9	22.9	21.9	14.3	9.4	3.5	7.1	14.7	19.1	14.7	13.2	68.5	40.7
101.0	56.8	14.6	24.0	23.0	14.9	9.8	3.5	7.2	15.4	20.0	15.1	13.6	71.9	43.1
102.0	59.7	15.2	25.1	24.2	15.6	10.1	3.4	7.4	16.0	21.0	15.6	14.1	75.3	45.6
103.0	62.7	15.9	26.3	25.4	16.3	10.5	3.4	7.5	16.7	22.0	16.0	14.5	78.8	48.2
104.0	65.8	16.6	27.6	26.5	17.0	10.9	3.3	7.7	17.4	23.0	16.4	15.0	82.3	50.8
105.0	69.0	17.3	28.8	27.9	17.8	11.2	3.1	7.8	18.1	24.0	16.9	15.5	85.9	53.5
106.0	72.2	18.0	30.1	29.2	18.5	11.5	3.0	7.9	18.9	25.1	17.3	15.9	89.5	56.3
107.0	75.4	18.7	31.5	30.6	19.3	11.9	2.9	8.1	19.6	26.2	17.8	16.4	93.2	59.1
108.0	78.9	19.4	32.9	32.0	20.1	12.2	2.7	8.4	20.3	27.3	18.2	16.8	96.9	61.9
109.0	82.1	20.1	34.4	33.5	20.9	12.5	2.5	8.4	21.1	28.5	18.6	17.3	100.7	64.8
110.0	85.5	20.8	35.8	35.0	21.6	12.8	2.3	8.5	21.8	29.6	18.9	17.7	104.4	67.8
111.0	88.9	21.5	37.3	36.4	22.4	13.1	2.0	8.5	22.5	30.8	19.1	18.2	108.1	70.8
112.0	92.4	22.1	38.7	37.8	23.1	13.3	1.7	8.4	23.1	31.9	19.3	18.6	111.7	73.8
113.0	95.9	22.6	40.1	39.1	23.7	13.5	1.3	8.3	23.7	32.9	19.5	19.0	115.4	76.9
114.0	99.3	23.1	41.4	40.4	24.3	13.5	.8	8.1	24.2	33.8	19.6	19.4	118.9	79.9
115.0	102.7	23.6	42.7	41.7	24.8	13.6	.3	7.9	24.7	34.8	19.8	19.7	122.5	83.0
116.0	106.0	24.0	43.9	42.9	25.4	13.6	-.1	7.8	25.2	35.7	19.9	19.9	125.9	86.1
117.0	109.2	24.5	45.2	44.1	25.9	13.7	-.6	7.6	25.6	36.6	20.1	20.1	129.3	89.1
118.0	112.3	24.9	46.4	45.3	26.4	13.7	-1.1	7.4	26.1	37.5	20.3	20.2	132.6	92.2
119.0	115.4	25.3	47.6	46.5	26.9	13.7	-1.6	7.2	26.5	38.4	20.5	20.3	135.9	95.1
120.0	118.4	25.7	48.8	47.7	27.4	13.7	-2.1	7.0	26.9	39.3	20.7	20.4	139.1	98.0
121.0	121.3	26.1	50.0	48.8	27.9	13.7	-2.6	6.8	27.3	40.1	20.9	20.6	142.2	100.7
122.0	124.1	26.5	51.2	49.8	28.4	13.7	-3.1	6.6	27.7	41.0	21.2	20.7	145.3	103.4
123.0	126.9	26.9	52.3	50.9	28.8	13.7	-3.5	6.4	28.1	41.8	21.4	20.9	148.3	106.0
124.0	129.5	27.2	53.4	51.9	29.2	13.7	-4.0	6.2	28.4	42.6	21.7	21.1	151.2	108.5
125.0	132.1	27.6	54.6	53.0	29.6	13.8	-4.4	6.0	28.9	43.5	22.0	21.3	154.1	110.8
126.0	134.6	28.0	55.8	54.1	30.3	13.8	-4.8	5.9	29.3	44.4	22.3	21.6	156.9	113.0
127.0	137.0	28.5	57.0	55.3	30.8	13.9	-5.1	5.8	29.8	45.3	22.7	21.7	159.7	115.2
128.0	139.3	28.9	58.3	56.5	31.4	14.0	-5.4	5.8	30.3	46.2	23.2	21.9	162.5	117.4
129.0	141.5	29.3	59.5	57.6	31.9	14.2	-5.7	5.7	30.7	47.2	23.6	22.1	165.1	119.4
130.0	143.7	29.7	60.7	58.7	32.5	14.3	-5.9	5.7	31.2	48.1	23.9	22.3	167.7	121.4
131.0	145.9	30.1	61.9	59.9	33.0	14.4	-6.2	5.6	31.7	48.9	24.3	22.6	170.2	123.3
132.0	148.0	30.5	63.1	60.9	33.5	14.6	-6.5	5.6	32.1	49.8	24.7	22.9	172.7	125.1
133.0	150.1	30.9	64.2	61.9	34.1	14.7	-6.7	5.5	32.6	50.7	25.1	23.2	175.1	126.9
134.0	152.1	31.2	65.3	63.0	34.6	14.8	-7.0	5.5	33.1	51.5	25.5	23.5	177.6	128.6
135.0	154.1	31.6	66.5	64.0	35.1	15.0	-7.2	5.5	33.5	52.4	25.9	23.8	179.9	130.2
145.0	171.8	35.4	77.2	74.1	40.3	16.4	-9.4	5.5	38.1	60.6	30.0	27.3	201.8	144.6
155.0	186.5	39.1	87.4	83.5	45.2	17.8	-11.3	5.6	42.6	68.6	34.2	30.9	220.7	155.6
165.0	198.7	42.7	97.3	92.2	49.7	19.7	-12.8	6.4	46.8	75.9	38.4	34.5	237.1	164.2
175.0	209.0	46.1	106.4	100.3	54.0	21.4	-14.0	6.8	50.8	82.6	42.5	38.1	251.5	170.9
185.0	217.6	49.4	114.7	107.8	57.9	23.0	-15.1	7.3	54.5	88.8	46.5	41.5	264.1	176.1
195.0	224.8	52.4	122.3	114.9	61.6	24.5	-16.0	7.9	58.0	94.5	50.2	44.5	275.0	180.3
205.0	230.8	55.4	129.5	121.5	65.1	26.0	-16.9	8.4	61.3	99.9	53.8	47.4	284.7	183.5
215.0	235.8	58.2	136.4	127.9	68.4	27.4	-17.6	9.0	64.5	105.0	57.2	49.8	292.9	186.0
225.0	239.9	60.7	142.8	133.7	71.3	28.7	-18.2	9.5	67.3	109.7	60.2	51.8	300.1	188.1
235.0	243.4	62.9	148.5	139.0	73.9	29.8	-18.7	9.9	69.8	113.9	62.8	53.5	306.1	189.9
245.0	246.4	64.8	153.6	143.6	76.2	30.8	-19.1	10.3	72.0	117.5	65.0	54.9	311.4	191.6
255.0	249.2	66.4	158.0	147.6	78.1	31.7	-19.4	10.7	73.9	120.6	66.9	56.2	316.1	193.1
265.0	251.8	68.0	161.9	151.2	79.9	32.5	-19.6	11.1	75.6	123.4	68.6	57.3	320.4	194.5
275.0	254.1	69.3	165.3	154.3	81.5	33.3	-19.9	11.4	77.2	125.9	70.1	58.3	324.3	195.9

COMPOSITE

TIME	VOM VAL	1	2	3	4	5	6	7	8	9	AHI	POS
285.0	256.3	70.5	168.4	157.1	82.9	33.9	-20.0	11.7	78.5	128.1	71.5	59.2	327.8	197.1
295.0	258.4	71.6	171.1	159.6	84.2	34.5	-20.2	12.0	79.8	130.1	72.7	60.0	331.1	198.4
305.0	260.4	72.6	173.7	162.0	85.4	35.1	-20.3	12.3	80.9	132.0	73.8	60.8	334.3	199.6
315.0	262.5	73.7	176.1	164.2	86.6	35.7	-20.4	12.6	82.1	133.8	75.0	61.6	337.4	200.9
325.0	264.5	74.7	178.5	166.4	87.8	36.3	-20.5	12.9	83.3	135.6	76.1	62.3	340.6	202.2
335.0	266.6	75.8	180.9	168.6	89.0	36.9	-20.6	13.3	84.5	137.4	77.2	63.1	343.8	203.6
345.0	268.9	76.8	183.3	170.8	90.2	37.6	-20.7	13.6	85.6	139.2	78.3	63.8	347.2	205.1
355.0	271.3	77.9	185.7	173.1	91.4	38.2	-20.8	13.9	86.9	141.0	79.4	64.6	350.7	206.7
365.0	273.9	79.0	188.2	175.4	92.7	38.9	-20.8	14.3	88.1	143.0	80.5	65.4	354.4	208.5
375.0	276.7	80.2	190.9	177.9	94.1	39.6	-20.8	14.7	89.5	145.0	81.7	66.2	358.4	210.5
385.0	279.8	81.5	193.7	180.5	95.6	40.4	-20.9	15.2	90.9	147.2	83.0	67.1	362.8	212.7
395.0	283.3	82.9	196.6	183.3	97.1	41.3	-20.8	15.7	92.4	149.5	84.3	68.0	367.6	215.3
405.0	287.3	84.4	199.8	186.2	98.8	42.2	-20.8	16.3	94.1	151.9	85.7	69.1	373.0	218.2
415.0	291.8	86.1	203.1	189.4	100.7	43.3	-20.7	17.0	96.0	154.8	87.3	70.2	379.1	221.6
425.0	297.0	87.9	206.8	192.9	102.7	44.5	-20.6	17.7	98.0	157.5	89.0	71.5	385.9	225.5
435.0	303.0	89.9	210.7	196.5	105.0	45.9	-20.5	18.6	100.3	160.7	90.8	72.8	393.7	230.1
445.0	309.9	92.2	214.9	200.5	107.5	47.4	-20.2	19.6	102.7	164.1	92.8	74.4	402.7	235.6
455.0	318.1	94.7	219.4	204.8	110.3	49.2	-19.9	20.8	105.5	167.8	94.9	76.0	413.0	242.0
465.0	327.6	97.5	224.2	209.3	113.3	51.1	-19.4	22.2	108.5	171.8	97.3	77.9	424.9	249.8
475.0	338.9	100.5	229.2	214.1	116.4	53.3	-18.9	23.7	111.7	176.0	99.7	79.9	438.6	259.1
485.0	352.3	103.6	234.4	219.1	119.8	55.7	-18.1	25.5	115.1	180.4	102.1	82.0	454.4	270.3
495.0	368.1	107.0	239.8	224.2	123.3	58.2	-17.1	27.4	118.7	185.0	104.5	84.2	472.6	283.9
505.0	386.6	110.5	245.2	229.4	127.1	61.0	-15.8	29.5	122.4	189.7	106.9	86.3	493.5	300.3
515.0	408.3	114.2	250.6	234.6	130.9	64.0	-14.3	31.9	126.3	194.5	109.5	88.4	517.6	319.9
525.0	433.6	117.9	255.9	239.7	134.7	67.0	-12.6	34.4	130.2	199.3	111.5	90.5	545.2	343.1
535.0	463.5	121.6	260.8	244.5	138.4	70.1	-10.6	37.0	134.1	203.8	113.6	92.5	576.6	370.5
545.0	496.8	125.0	265.2	248.9	141.9	73.1	-8.5	39.6	137.7	208.0	115.5	94.4	612.2	402.4
555.0	535.2	128.1	269.0	252.6	145.0	75.9	-6.4	42.0	141.0	211.7	117.1	96.1	652.3	439.1
565.0	578.4	130.6	271.9	255.6	147.4	78.2	-4.7	43.9	143.6	214.7	118.4	97.7	696.8	480.7

COMPOSITE

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-1.8	-.4	-17.2	-55.2	-64.0	-58.1	17.5	56.3	65.5	59.7	2.1	2.0	.3	-3.8
2.0	5.0	-.2	-4.7	-31.3	-43.5	-37.5	4.9	27.9	37.5	33.0	.9	.9	5.9	4.1
3.0	7.3	.1	-3.4	-20.4	-29.4	-23.9	3.9	18.7	25.7	21.6	1.8	1.8	9.2	5.6
4.0	7.9	.2	-3.1	-15.1	-21.3	-16.4	3.8	14.4	19.4	15.6	2.3	2.2	10.1	5.7
5.0	7.9	.3	-2.7	-11.9	-16.4	-12.1	3.5	11.8	15.6	12.1	2.4	2.4	10.3	5.5
6.0	7.6	.5	-2.1	-9.6	-13.2	-9.5	3.2	10.0	13.0	10.0	2.6	2.4	10.2	5.2
7.0	7.4	.5	-1.7	-8.1	-11.0	-7.9	2.9	8.7	11.2	8.7	2.5	2.4	9.9	5.0
8.0	7.2	.5	-1.4	-7.1	-9.5	-6.8	2.6	7.8	9.9	7.7	2.4	2.4	9.6	4.8
9.0	7.6	.5	-1.7	-6.6	-8.3	-5.5	2.9	7.2	8.7	6.9	2.3	2.3	10.0	5.3
10.0	9.1	.9	-3.5	-6.9	-7.0	-3.2	4.4	7.2	7.4	4.0	2.4	2.2	11.5	7.0
11.0	10.4	.2	-5.6	-6.9	-5.5	-.5	6.1	7.0	5.6	1.0	2.7	1.9	13.1	8.5
12.0	11.0	.1	-7.1	-6.6	-3.7	1.9	7.3	6.5	3.7	-1.5	3.0	1.5	14.0	9.5
13.0	11.0	.0	-7.8	-5.9	-2.0	3.8	7.9	5.7	2.0	-3.9	3.1	1.2	14.2	9.8
14.0	10.7	.2	-8.0	-4.7	-.4	5.1	8.1	4.7	.5	-4.8	3.2	1.0	13.8	9.6
15.0	9.9	.0	-7.6	-3.5	.9	6.0	7.9	3.6	-.7	-5.6	3.0	1.0	12.9	8.9
16.0	8.2	.2	-7.1	-2.6	1.6	6.2	7.7	3.1	-1.1	-5.6	2.8	1.1	11.0	7.1
17.0	6.2	.4	-6.6	-2.3	1.8	6.1	7.7	3.3	-.8	-5.1	2.6	1.1	8.8	5.1
18.0	4.4	.6	-6.1	-2.2	1.7	5.8	4.5	3.4	-.4	-4.5	2.4	1.1	6.8	3.3
19.0	3.0	.8	-5.5	-2.0	1.7	5.6	-.7	3.6	-.1	-3.9	2.3	1.2	5.3	1.8
20.0	2.0	.9	-5.0	-1.8	1.7	5.4	-5.7	3.6	.1	-3.4	2.2	1.4	4.2	.6
21.0	1.4	.9	-4.6	-1.7	1.6	5.1	-7.7	3.5	.2	-3.1	2.1	1.5	3.4	-.2
22.0	.8	.8	-4.4	-1.6	1.5	4.7	-4.8	3.4	.2	-2.9	1.9	1.5	2.7	-.7
23.0	.3	.7	-4.2	-1.5	1.3	4.3	1.7	3.2	.3	-2.7	1.7	1.5	2.1	-1.1
24.0	-.1	.6	-4.0	-1.6	1.2	4.0	6.4	3.1	.2	-2.5	1.5	1.4	1.4	-1.5
25.0	-.6	.4	-3.9	-1.7	1.0	3.6	6.2	2.9	.1	-2.4	1.3	1.2	.7	-1.8
26.0	-1.1	.4	-3.6	-1.6	.9	3.3	5.7	2.7	.1	-2.3	1.2	1.0	.1	-2.1
27.0	-1.8	.5	-3.2	-1.4	.9	3.1	5.2	2.6	.2	-1.9	1.1	.8	-.6	-2.6
28.0	-2.3	.5	-2.7	-1.2	.9	2.9	4.8	2.6	.4	-1.6	1.0	.8	-1.3	-3.1
29.0	-2.8	.6	-2.3	-1.0	1.0	2.9	4.5	2.5	.5	-1.3	1.0	.8	-1.8	-3.5
30.0	-3.2	.8	-1.7	-.6	1.1	2.9	4.3	2.6	.7	-.9	1.0	.9	-2.1	-4.0
31.0	-3.4	1.0	-1.3	-.4	1.2	2.8	4.1	2.6	.9	-.6	1.0	.9	-2.3	-4.3
32.0	-3.5	1.0	-1.0	-.2	1.2	2.6	3.8	2.5	.9	-.4	1.0	1.0	-2.4	-4.5
33.0	-3.5	1.0	-.8	-.1	1.2	2.4	3.5	2.3	.9	-.2	1.0	1.1	-2.5	-4.6
34.0	-3.5	1.0	-.6	.0	1.2	2.3	3.3	2.2	.9	-.1	1.0	1.1	-2.5	-4.6
35.0	-3.6	1.0	-.4	.1	1.1	2.1	3.0	2.0	.9	.1	1.0	1.1	-2.6	-4.6
36.0	-3.6	.9	-.2	.2	1.0	1.9	2.7	1.8	.8	.2	1.0	1.1	-2.6	-4.6
37.0	-3.6	1.0	-.0	.3	1.1	1.8	2.6	1.8	.9	.3	1.1	1.0	-2.5	-4.7
38.0	-3.7	1.1	.2	.5	1.2	1.9	2.6	2.0	1.1	.5	1.2	1.0	-2.5	-4.7
39.0	-3.6	1.2	.2	.5	1.2	2.0	2.7	2.0	1.1	.6	1.2	1.0	-2.4	-4.6
40.0	-3.5	1.0	.2	.5	1.1	1.8	2.6	1.9	1.0	.6	1.1	1.1	-2.4	-4.6
41.0	-3.3	.8	.1	.3	.9	1.5	2.3	1.6	.8	.4	1.0	1.2	-2.3	-4.5
42.0	-3.2	.7	-.1	.2	.7	1.3	2.1	1.5	.7	.3	1.0	1.2	-2.3	-4.4
43.0	-3.3	.8	.0	.2	.8	1.4	2.2	1.6	.8	.3	1.0	1.0	-2.3	-4.4
44.0	-3.3	.8	.1	.2	.8	1.4	2.2	1.6	.8	.4	1.1	1.0	-2.3	-4.3
45.0	-3.3	.8	-.0	.2	.8	1.4	2.2	1.6	.8	.4	1.1	1.1	-2.2	-4.4
46.0	-3.3	.8	-.1	.1	.8	1.4	2.2	1.6	.8	.3	1.2	1.2	-2.1	-4.5
47.0	-3.2	.9	-.2	.0	.8	1.4	2.2	1.6	.8	.2	1.3	1.3	-2.0	-4.6
48.0	-3.2	.6	-.4	-.1	.6	1.3	2.1	1.6	.6	.1	1.3	1.5	-1.8	-4.6
49.0	-3.1	.5	-.6	-.4	.5	1.2	2.1	1.5	.4	-.2	1.4	1.6	-1.7	-4.7

COMPOSITE

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	-3.1	.6	-.6	-.4	.6	1.4	2.4	1.6	.5	-.2	1.5	1.5	-1.6	-4.7
51.0	-3.3	.8	-.4	-.1	.7	1.7	2.7	1.9	.7	.1	1.5	1.4	-1.7	-4.6
52.0	-3.2	.8	-.3	-.3	.7	1.6	2.8	1.9	.7	.1	1.3	1.2	-1.8	-4.4
53.0	-3.1	.7	-.3	-.3	.7	1.5	2.6	1.7	.6	.1	1.2	1.2	-1.9	-4.3
54.0	-3.1	.6	-.3	-.1	.6	1.3	2.4	1.6	.5	.0	1.2	1.2	-1.9	-4.3
55.0	-3.0	.5	-.3	-.1	.5	1.2	2.3	1.5	.5	.0	1.2	1.3	-1.9	-4.3
56.0	-3.1	.6	-.2	-.3	.6	1.3	2.3	1.5	.5	.1	1.2	1.2	-1.9	-4.3
57.0	-3.1	.7	-.1	.2	.7	1.3	2.3	1.5	.7	.2	1.3	1.2	-1.9	-4.3
58.0	-3.1	.7	-.0	.2	.7	1.4	2.3	1.6	.7	.3	1.3	1.1	-1.7	-4.2
59.0	-3.0	.8	-.1	.1	.8	1.5	2.4	1.8	.8	.3	1.5	1.1	-1.6	-4.2
60.0	-3.0	1.0	.1	.3	1.0	1.7	2.6	2.0	1.0	.5	1.6	1.2	-1.4	-4.1
61.0	-2.6	1.1	.2	.4	1.0	1.7	2.6	2.0	1.0	.5	1.6	1.2	-1.2	-4.0
62.0	-2.5	.9	-.0	.1	.9	1.6	2.5	1.9	.9	.3	1.5	1.4	-1.0	-3.9
63.0	-2.3	.8	-.7	.0	.7	1.5	2.4	1.7	.7	.2	1.5	1.5	-.8	-3.8
64.0	-2.2	.8	-.1	.3	.8	1.5	2.4	1.8	.8	.2	1.6	1.5	-.6	-3.7
65.0	-2.0	.8	-.2	.0	.8	1.5	2.5	1.8	.8	.2	1.6	1.5	-.4	-3.5
66.0	-1.8	.8	-.2	-.3	.7	1.5	2.5	1.9	.8	.2	1.7	1.4	-.1	-3.2
67.0	-1.5	.7	-.4	-.1	.6	1.4	2.4	1.7	.7	.1	1.6	1.5	.2	-2.9
68.0	-1.2	.7	-.4	-.2	.6	1.4	2.4	1.7	.7	.1	1.6	1.5	.5	-2.7
69.0	-.9	.7	-.5	-.3	.6	1.4	2.4	1.7	.7	.1	1.7	1.5	.8	-2.4
70.0	-.7	.7	-.6	-.3	.6	1.4	2.5	1.8	.7	-.0	1.7	1.6	1.0	-2.3
71.0	-.5	.7	-.7	-.4	.6	1.5	2.5	1.9	.7	-.1	1.8	1.6	1.3	-2.1
72.0	-.3	.6	-.7	-.4	.6	1.5	2.6	1.9	.6	-.1	1.9	1.6	1.5	-1.9
73.0	-.1	.6	-.8	-.5	.6	1.5	2.6	1.9	.6	-.1	1.9	1.6	1.8	-1.7
74.0	.1	.6	-.9	-.6	.6	1.5	2.7	2.0	.6	-.2	2.0	1.7	2.2	-1.5
75.0	.4	.6	-1.0	-.7	.6	1.5	2.7	2.0	.6	-.3	2.1	1.7	2.5	-1.4
76.0	.6	.5	-1.1	-.7	.5	1.5	2.7	2.0	.6	-.3	2.2	1.8	2.8	-1.2
77.0	.9	.5	-1.1	-.8	.5	1.5	2.8	2.0	.6	-.3	2.3	1.9	3.2	-1.0
78.0	1.2	.5	-1.2	-.9	.5	1.6	2.9	2.1	.6	-.4	2.3	1.9	3.5	-.8
79.0	1.4	.4	-1.4	-1.0	.4	1.5	2.9	2.0	.5	-.5	2.2	2.0	3.7	-.6
80.0	1.7	.1	-1.7	-1.3	.2	1.3	2.7	1.8	.2	-.8	2.0	2.1	3.8	-.4
81.0	2.0	-.2	-2.2	-1.7	-.2	1.0	2.5	1.6	-.1	-1.3	1.8	2.2	3.8	-.2
82.0	2.2	-.6	-2.7	-2.2	-.5	.7	2.4	1.4	-.4	-1.6	1.8	2.2	4.0	.0
83.0	2.2	-.8	-3.1	-2.5	-.8	.5	2.2	1.2	-.6	-2.0	1.7	2.1	4.0	.2
84.0	2.2	-.9	-3.3	-2.7	-.9	.4	2.3	1.2	-.7	-2.1	1.8	1.9	4.0	.3
85.0	2.2	-.9	-3.6	-3.3	-1.0	.3	2.1	1.1	-.8	-2.3	1.9	1.9	4.1	.3
86.0	2.2	-1.0	-3.6	-3.3	-1.1	.3	2.1	1.1	-.8	-2.3	1.7	1.9	3.9	.3
87.0	2.0	-1.0	-3.4	-2.9	-.9	.5	2.2	1.3	-.6	-2.1	1.9	1.6	3.9	.4
88.0	1.9	-.8	-3.2	-2.7	-.7	.6	2.3	1.4	-.5	-1.9	2.1	1.7	4.0	.2
89.0	1.9	-.8	-3.2	-2.6	-.7	.6	2.3	1.4	-.5	-1.9	2.1	1.8	4.0	.0
90.0	1.9	-.8	-3.1	-2.6	-.8	.5	2.2	1.4	-.5	-1.9	2.1	1.9	4.0	-.0
91.0	1.9	-.8	-3.1	-2.6	-.8	.5	2.2	1.4	-.5	-1.9	2.1	2.1	4.0	-.2
92.0	1.9	-.8	-3.0	-2.6	-.8	.5	2.2	1.4	-.5	-1.9	2.1	2.2	4.0	-.3
93.0	1.9	-.8	-3.0	-2.5	-.8	.5	2.3	1.4	-.5	-1.8	2.1	2.2	4.0	-.3
94.0	1.9	-.7	-2.9	-2.5	-.7	.6	2.1	1.4	-.4	-1.7	2.1	2.2	4.0	-.3
95.0	1.9	-.6	-2.8	-2.4	-.7	.5	2.1	1.3	-.3	-1.7	2.2	2.2	4.1	-.3
96.0	1.9	-.7	-2.7	-2.4	-.7	.5	2.1	1.4	-.4	-1.6	1.9	2.1	3.9	-.2
97.0	1.8	-.6	-2.6	-2.2	-.6	.6	2.3	1.5	-.3	-1.6	2.2	1.9	4.0	-.1
98.0	1.9	-.6	-2.6	-2.3	-.6	.6	2.2	1.5	-.3	-1.6	2.1	2.2	4.0	-.3
99.0	2.0	-.7	-2.6	-2.3	-.7	.5	2.2	1.5	-.3	-1.6	2.1	2.2	4.0	-.2

COMPOSITE

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	2.0	-.7	-2.6	-2.3	-.7	.5	2.1	1.5	-.4	-1.6	2.1	2.2	4.0	-.2
101.0	2.0	-.7	-2.6	-2.3	-.7	.5	2.1	1.5	-.4	-1.6	2.0	2.3	4.0	-.3
102.0	2.0	-.7	-2.6	-2.3	-.7	.5	2.2	1.5	-.4	-1.6	2.0	2.2	4.0	-.2
103.0	2.0	-.7	-2.6	-2.3	-.7	.5	2.2	1.5	-.4	-1.6	2.0	2.1	4.0	-.2
104.0	1.9	-.7	-2.5	-2.3	-.7	.6	2.2	1.6	-.3	-1.6	2.0	2.1	4.0	-.2
105.0	1.9	-.7	-2.5	-2.3	-.7	.6	2.2	1.6	-.3	-1.6	2.1	2.1	4.0	-.2
106.0	1.9	-.6	-2.5	-2.3	-.7	.6	2.2	1.5	-.3	-1.6	2.1	2.1	4.0	-.2
107.0	1.9	-.6	-2.5	-2.3	-.7	.6	2.2	1.7	-.3	-1.6	2.1	2.1	4.0	-.2
108.0	1.8	-.5	-2.4	-2.2	-.6	.7	2.2	1.7	-.2	-1.4	2.2	2.0	4.0	-.2
109.0	1.6	-.2	-2.1	-1.9	-.3	1.0	2.4	1.9	.1	-1.2	2.2	2.1	4.0	-.2
110.0	1.8	.1	-1.8	-1.6	-.0	1.2	2.6	2.1	.4	-.8	2.1	2.0	4.0	-.2
111.0	1.7	.4	-1.6	-1.4	.2	1.4	2.7	2.2	.6	-.6	2.0	2.0	3.9	-.2
112.0	2.0	.5	-1.4	-1.2	.3	1.5	2.5	2.2	.7	-.5	2.0	2.1	3.9	-.1
113.0	2.0	.6	-1.3	-1.1	.3	1.5	2.3	2.2	.7	-.4	2.2	2.2	4.2	-.2
114.0	1.9	.9	-1.0	-.9	.5	1.7	2.3	2.2	.9	-.2	2.8	2.3	4.7	-.3
115.0	1.7	1.2	-.7	-.5	.8	2.0	2.5	2.4	1.3	.2	3.8	2.4	5.5	-.7
116.0	1.5	1.7	-.2	-.1	1.2	2.4	2.7	2.7	1.6	.6	4.7	2.8	6.2	-1.4
117.0	1.4	2.0	.1	.3	1.6	2.7	2.9	3.0	2.0	1.0	5.4	3.4	6.7	-2.0
118.0	1.3	2.3	.4	.5	1.8	3.0	3.1	3.2	2.2	1.3	5.7	3.9	7.0	-2.6
119.0	1.3	2.3	.5	.7	1.9	3.1	3.3	3.4	2.3	1.3	5.9	4.3	7.2	-3.0
120.0	1.3	2.1	.4	.6	1.8	3.0	3.3	3.4	2.2	1.2	6.0	4.6	7.4	-3.2
121.0	1.4	1.7	.1	.2	1.4	2.6	3.2	3.1	1.9	.8	6.1	4.9	7.5	-3.5
122.0	1.5	1.3	-.4	-.2	1.0	2.2	3.1	2.8	1.5	.4	5.9	5.1	7.4	-3.6
123.0	1.5	.9	-.8	-.7	.6	1.9	2.9	2.5	1.1	-.1	5.7	5.4	7.2	-3.9
124.0	1.6	.2	-1.5	-1.4	-.1	1.1	2.3	1.9	.4	-.7	5.5	5.6	7.1	-4.0
125.0	1.7	.1	-1.6	-1.4	-.2	1.1	2.2	1.8	.3	-.8	5.6	5.8	7.2	-4.2
126.0	1.9	-.4	-2.1	-1.9	-.6	.6	1.7	1.3	-.2	-1.3	5.5	6.4	7.4	-4.6
127.0	1.8	-.5	-2.3	-2.1	-.8	.4	1.5	1.1	-.3	-1.5	5.3	6.5	7.0	-4.8
128.0	1.5	-1.4	-2.3	-3.1	-1.9	-.7	2.6	-2.1	-1.7	-2.7	5.3	6.2	6.8	-4.7
129.0	1.2	-5.1	-2.2	-5.0	-5.6	-3.3	4.6	-1.9	-5.5	-4.7	5.5	6.0	6.7	-4.9
130.0	.6	-4.7	-3.1	-4.1	-5.0	-2.7	4.5	-1.4	-5.0	-7.2	5.3	4.2	5.9	-3.6
131.0	.4	-4.6	-5.2	-4.3	-4.9	-2.7	.7	-1.4	-5.0	-7.2	3.7	3.9	4.2	-3.5
132.0	.3	-3.6	-8.0	-7.3	-4.0	-1.6	1.9	-.3	-4.1	-6.3	5.2	5.3	5.5	-5.0
133.0	.2	-3.6	-7.9	-7.2	-3.9	-1.6	1.9	-.3	-4.0	-6.3	5.1	5.3	5.3	-5.1
134.0	.8	-4.7	-8.9	-8.2	-5.0	-2.8	.5	-1.6	-5.1	-7.3	5.1	5.6	5.9	-4.8
135.0	.6	-4.7	-8.8	-8.1	-5.0	-2.8	.5	-1.6	-5.1	-7.2	5.1	5.5	5.7	-4.9
145.0	-1.1	-4.0	-7.7	-7.1	-4.3	-2.3	.9	-1.2	-4.4	-6.3	4.6	5.0	3.6	-6.1
155.0	-2.4	-3.6	-7.6	-6.8	-3.9	-2.1	.8	-1.1	-4.5	-5.6	4.3	4.6	1.9	-7.0
165.0	-3.6	-3.3	-6.4	-5.8	-3.6	-1.9	.7	-1.0	-3.6	-5.2	4.0	4.3	.4	-7.8
175.0	-4.5	-3.0	-5.8	-5.3	-3.2	-1.7	.7	-.9	-3.3	-4.7	3.7	3.9	-.8	-8.5
185.0	-5.3	-2.7	-5.2	-4.9	-2.9	-1.6	.7	-.8	-3.0	-4.2	3.4	3.7	-1.9	-9.0
195.0	-6.0	-2.5	-4.8	-4.5	-2.7	-1.5	.6	-.7	-2.8	-3.9	3.2	3.4	-2.8	-9.4
205.0	-6.5	-2.2	-4.4	-4.1	-2.4	-1.3	.7	-.6	-2.5	-3.6	3.0	3.2	-3.6	-9.7
215.0	-6.9	-2.0	-4.0	-3.7	-2.2	-1.1	.7	-.5	-2.3	-3.2	2.8	3.0	-4.1	-9.9
225.0	-7.1	-1.8	-3.7	-3.4	-2.0	-1.0	.7	-.4	-2.1	-2.9	2.6	2.8	-4.5	-9.9
235.0	-7.2	-1.7	-3.4	-3.2	-1.8	-.9	.6	-.4	-1.9	-2.7	2.4	2.6	-4.8	-9.7
245.0	-7.1	-1.5	-3.1	-2.9	-1.7	-.8	.6	-.3	-1.7	-2.5	2.2	2.4	-4.9	-9.5
255.0	-7.0	-1.3	-2.8	-2.6	-1.4	-.6	.7	-.2	-1.5	-2.2	2.1	2.2	-4.9	-9.2
265.0	-6.2	-1.2	-2.6	-2.4	-1.4	-.6	.6	-.2	-1.4	-2.0	1.9	2.1	-4.3	-8.3
275.0	-14.3	.0	-1.0	-.9	-.1	.4	1.2	.7	-.1	-.6	1.7	1.8	-12.6	-16.2

COMPOSITE

ALPHA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
285.0	-14.5	.1	-.9	-.8	-.1	.4	1.1	.7	-.1	-.5	1.7	1.8	-12.8	-16.3
295.0	-14.3	.1	-.8	-.7	-.0	.4	1.1	.7	-.1	-.5	1.7	1.8	-12.6	-16.1
305.0	-14.2	.3	-.6	-.5	.1	.6	1.2	.8	.1	-.3	1.7	1.8	-12.6	-16.0
315.0	-14.0	.3	-.5	-.4	.2	.6	1.2	.8	.2	-.2	1.6	1.7	-12.4	-15.9
325.0	-13.8	.4	-.4	-.3	.2	.7	1.2	.8	.3	-.1	1.6	1.7	-12.2	-15.5
335.0	-13.4	.4	-.3	-.3	.3	.7	1.2	.8	.3	-.0	1.6	1.7	-11.9	-15.1
345.0	-13.1	.5	-.2	-.1	.4	.7	1.2	.9	.4	.1	1.5	1.6	-11.5	-14.7
355.0	-12.6	.6	-.1	.0	.5	.8	1.2	.9	.5	.2	1.5	1.6	-11.1	-14.2
365.0	-13.0	.7	.1	.2	.6	.9	1.2	1.0	.6	.4	1.5	1.5	-11.5	-14.5
375.0	-11.5	.7	.2	.2	.6	.9	1.2	1.0	.6	.4	1.4	1.5	-10.1	-13.1
385.0	-10.9	.8	.3	.3	.6	.9	1.2	1.0	.7	.5	1.4	1.5	-9.5	-12.4
395.0	-10.3	.8	.4	.4	.7	1.0	1.2	1.0	.8	.6	1.4	1.4	-8.9	-11.7
405.0	-9.6	.9	.5	.6	.8	1.0	1.2	1.0	.8	.7	1.3	1.4	-8.2	-11.0
415.0	-8.8	1.0	.7	.7	.9	1.0	1.1	1.1	.9	.8	1.3	1.4	-7.5	-10.2
425.0	-8.0	1.0	.8	.9	1.0	1.1	1.1	1.1	1.0	.9	1.3	1.3	-6.7	-9.4
435.0	-7.2	1.1	.9	.9	1.0	1.1	1.1	1.1	1.0	.9	1.3	1.3	-5.9	-8.5
445.0	-6.3	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	-5.1	-7.6
455.0	-5.4	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.2	1.3	-4.2	-6.7
465.0	-4.4	1.2	1.3	1.3	1.2	1.2	1.0	1.1	1.2	1.3	1.2	1.2	-3.3	-5.7
475.0	-3.5	1.2	1.4	1.3	1.2	1.1	.9	1.1	1.2	1.3	1.2	1.2	-2.3	-4.7
485.0	-2.5	1.3	1.5	1.5	1.3	1.2	.9	1.1	1.3	1.4	1.2	1.2	-1.3	-3.7
495.0	-1.5	1.4	1.6	1.6	1.4	1.2	.8	1.1	1.4	1.5	1.2	1.2	-.3	-2.7
505.0	-.4	1.4	1.7	1.7	1.4	1.2	.7	1.0	1.4	1.6	1.2	1.2	.8	-1.7
515.0	.4	1.5	2.0	1.9	1.6	1.3	.8	1.1	1.6	1.8	1.3	1.2	1.7	-.8
525.0	1.7	1.3	1.6	1.7	1.3	1.0	.5	.8	1.3	1.6	1.3	1.3	2.9	.3
535.0	2.6	1.3	1.9	1.8	1.6	1.0	.4	.8	1.4	1.6	1.3	1.3	3.9	1.3
545.0	3.5	1.4	2.1	2.0	1.5	1.1	.4	.9	1.5	1.8	1.4	1.4	4.9	2.1
555.0	4.4	1.3	2.1	2.0	1.4	.9	.2	.7	1.4	1.7	1.5	1.5	5.8	2.9
565.0	5.0	1.3	2.1	2.0	1.4	.9	.1	.6	1.4	1.8	1.6	1.5	6.6	3.5

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.0	-21.7	1.5	82.5	45.1	6.8	-39.8	-45.9	-17.5	21.0	66.0	3.2	1.0	-18.6	-29.7
2.0	-8.8	.5	46.4	26.3	-.7	-31.8	-36.5	-17.7	6.8	38.0	1.3	2.2	-7.6	-11.0
3.0	-5.2	.3	30.9	16.9	-2.1	-25.8	-26.7	-12.7	4.5	26.9	1.0	1.8	-4.1	-9.0
4.0	-3.4	.3	22.9	11.9	-2.5	-20.7	-20.5	-9.4	3.9	21.0	1.1	1.9	-2.3	-8.3
5.0	-2.5	.2	18.1	9.3	-2.4	-16.8	-16.5	-7.3	3.3	17.0	1.1	1.4	-1.3	-7.9
6.0	-2.0	.2	15.1	7.4	-2.1	-14.0	-13.9	-6.1	2.8	14.1	1.2	1.5	-.8	-7.5
7.0	-1.7	.1	13.1	6.4	-1.8	-12.0	-12.1	-5.3	2.4	12.1	1.2	1.3	-.5	-7.0
8.0	-1.6	.1	11.7	5.7	-1.5	-10.4	-10.9	-4.7	2.1	10.5	1.3	1.0	-.3	-6.6
9.0	-1.7	.1	10.5	4.9	-1.7	-9.6	-9.8	-4.0	2.2	9.7	1.2	1.7	-.4	-6.3
10.0	-1.6	.2	9.3	3.2	-2.9	-9.4	-8.4	-2.3	3.5	9.7	1.3	1.2	-.3	-5.8
11.0	-.9	.3	7.5	1.2	-4.3	-9.0	-6.5	-.2	5.0	9.6	1.5	1.6	.6	-4.5
12.0	.0	.4	5.4	-.7	-5.1	-8.1	-4.3	1.7	5.9	8.8	1.8	1.1	1.8	-3.0
13.0	.7	.5	3.3	-2.2	-5.4	-6.7	-2.1	3.2	6.3	7.6	1.9	2.5	2.6	-1.8
14.0	1.1	.5	1.3	-3.3	-5.3	-5.1	-.0	4.4	6.3	6.2	1.9	2.1	2.9	-1.0
15.0	1.2	.6	-.5	-4.1	-4.9	-3.5	1.8	5.3	6.0	4.8	1.8	1.8	2.9	-.6
16.0	.9	.6	-1.4	-4.3	-4.4	-2.6	2.7	5.5	5.7	3.9	1.6	1.6	2.6	-.6
17.0	.7	.6	-1.3	-4.2	-4.3	-2.6	2.9	5.3	5.5	3.8	1.5	1.5	2.2	-.8
18.0	.8	.5	-1.1	-4.0	-4.2	-2.7	7.8	4.9	5.1	3.7	1.4	1.5	2.2	-.7
19.0	1.0	.4	-.9	-3.8	-4.1	-2.6	9.4	4.6	4.9	3.6	1.3	1.4	2.3	-.4
20.0	1.2	.4	-.8	-3.7	-4.0	-2.7	6.8	4.4	4.7	3.5	1.2	1.3	2.3	-.2
21.0	1.3	.4	-.7	-3.6	-3.9	-2.6	1.0	4.2	4.6	3.4	1.0	1.3	2.3	-.0
22.0	1.3	.3	-.6	-3.5	-3.8	-2.6	-4.7	4.0	4.4	3.2	1.0	1.3	2.3	.1
23.0	1.4	.3	-.6	-3.4	-3.7	-2.5	-5.8	3.9	4.3	3.1	.9	1.3	2.3	.1
24.0	1.3	.3	-.5	-3.3	-3.6	-2.5	-.7	3.7	4.2	3.0	.9	1.3	2.2	.1
25.0	1.3	.2	-.5	-3.2	-3.6	-2.5	1.2	3.6	4.0	2.9	.8	1.3	2.1	.0
26.0	1.2	.1	-.5	-3.2	-3.5	-2.4	.7	3.3	3.8	2.7	.8	1.3	2.1	-.1
27.0	1.1	.1	-.5	-3.1	-3.4	-2.3	.7	3.2	3.6	2.6	.8	1.3	2.0	-.2
28.0	1.0	.1	-.4	-2.9	-3.2	-2.2	.7	3.0	3.4	2.4	.8	1.4	1.8	-.4
29.0	.9	.1	-.4	-2.7	-3.1	-2.1	.5	2.9	3.2	2.2	.8	1.4	1.7	-.6
30.0	.8	.1	-.4	-2.6	-2.9	-2.0	.4	2.7	3.0	2.1	.9	1.5	1.6	-.7
31.0	.7	.1	-.3	-2.4	-2.7	-1.9	.4	2.5	2.8	1.9	.9	1.5	1.5	-.8
32.0	.6	.0	-.3	-2.2	-2.6	-1.8	.3	2.3	2.6	1.8	.9	1.4	1.5	-1.0
33.0	.5	.0	-.3	-2.0	-2.4	-1.6	.3	2.2	2.4	1.6	.9	1.6	1.4	-1.1
34.0	.5	.0	-.2	-1.9	-2.2	-1.5	.3	2.0	2.2	1.5	.9	1.6	1.4	-1.1
35.0	.4	.0	-.2	-1.6	-1.9	-1.3	.2	1.8	2.0	1.3	1.0	1.6	1.4	-1.2
36.0	.4	.0	-.2	-1.4	-1.7	-1.2	.2	1.6	1.7	1.1	1.0	1.7	1.4	-1.3
37.0	.3	.0	-.1	-1.2	-1.5	-1.1	.2	1.5	1.5	.9	1.1	1.7	1.4	-1.3
38.0	.3	.0	-.1	-1.1	-1.3	-1.0	.2	1.4	1.3	.8	1.1	1.6	1.4	-1.4
39.0	.2	.0	-.1	-1.0	-1.2	-.9	.2	1.4	1.3	.8	1.1	1.6	1.3	-1.4
40.0	.2	.1	-.0	-1.0	-1.2	-.9	.2	1.4	1.3	.8	1.1	1.5	1.3	-1.3
41.0	.2	.1	.0	-1.0	-1.3	-.9	.2	1.5	1.4	.9	1.0	1.5	1.2	-1.3
42.0	.2	.1	.0	-1.1	-1.3	-1.0	.2	1.5	1.5	1.0	1.0	1.4	1.2	-1.2
43.0	.3	.1	.1	-1.1	-1.4	-1.0	.1	1.6	1.5	1.0	1.0	1.4	1.2	-1.1
44.0	.3	.1	.1	-1.1	-1.4	-1.0	.1	1.6	1.6	1.0	.9	1.4	1.2	-1.1
45.0	.3	.1	.1	-1.1	-1.4	-1.1	.1	1.7	1.6	1.1	.9	1.4	1.2	-1.1
46.0	.3	.1	.1	-1.1	-1.4	-1.1	.1	1.7	1.6	1.1	1.0	1.4	1.3	-1.1
47.0	.3	.1	-.0	-1.2	-1.4	-1.1	.1	1.7	1.6	1.0	1.1	1.4	1.3	-1.1
48.0	.4	.1	-.1	-1.3	-1.4	-1.1	.1	1.7	1.6	.9	1.0	1.4	1.3	-1.0
49.0	.4	.0	-.2	-1.4	-1.5	-1.1	.0	1.7	1.6	.9	1.0	1.4	1.4	-1.0

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
50.0	.4	-.1	-.2	-1.4	-1.6	-1.2	.0	1.7	1.5	.9	1.0	1.4	1.4	-1.0
51.0	.4	-.0	-.1	-1.4	-1.6	-1.2	.1	1.8	1.6	.9	1.1	1.4	1.4	-1.1
52.0	.3	.1	-.0	-1.3	-1.6	-1.2	.1	1.9	1.7	1.0	1.1	1.4	1.4	-1.2
53.0	.3	.1	.0	-1.3	-1.5	-1.2	.1	1.9	1.7	1.1	1.1	1.5	1.4	-1.2
54.0	.3	.1	.0	-1.3	-1.5	-1.2	.1	1.9	1.7	1.1	1.1	1.5	1.4	-1.3
55.0	.3	.1	-.0	-1.3	-1.5	-1.2	.1	2.0	1.7	1.1	1.1	1.5	1.4	-1.3
56.0	.3	.1	-.0	-1.3	-1.6	-1.2	.1	2.0	1.8	1.1	1.2	1.6	1.4	-1.3
57.0	.3	.1	-.0	-1.2	-1.5	-1.2	.1	1.9	1.7	1.1	1.2	1.6	1.5	-1.3
58.0	.3	.1	-.1	-1.2	-1.6	-1.2	.1	1.9	1.7	1.0	1.2	1.6	1.5	-1.3
59.0	.3	.0	-.1	-1.2	-1.6	-1.2	.1	1.9	1.8	1.0	1.2	1.7	1.5	-1.4
60.0	.3	.1	-.0	-1.0	-1.4	-1.1	.2	1.9	1.6	.9	1.3	1.7	1.5	-1.4
61.0	.3	.1	.0	-1.0	-1.3	-1.1	.2	1.9	1.6	.9	1.3	1.7	1.6	-1.4
62.0	.3	.1	.0	-1.0	-1.3	-1.0	.2	1.9	1.5	.9	1.3	1.7	1.6	-1.4
63.0	.3	.1	.0	-1.1	-1.3	-1.0	.2	1.8	1.6	.9	1.2	1.7	1.5	-1.4
64.0	.3	.1	-.0	-1.1	-1.4	-1.1	.1	1.8	1.6	.9	1.2	1.6	1.5	-1.3
65.0	.3	.1	.0	-1.2	-1.4	-1.0	.2	1.8	1.6	1.0	1.1	1.6	1.5	-1.2
66.0	.3	.1	.0	-1.2	-1.4	-1.0	.2	1.8	1.6	1.0	1.1	1.5	1.4	-1.1
67.0	.4	.1	-.0	-1.2	-1.5	-1.1	.1	1.8	1.6	1.0	1.1	1.5	1.4	-1.1
68.0	.4	.1	-.1	-1.3	-1.5	-1.1	.1	1.9	1.7	1.0	1.1	1.5	1.5	-1.1
69.0	.4	.0	-.1	-1.4	-1.6	-1.2	.1	1.9	1.7	1.0	1.1	1.5	1.5	-1.1
70.0	.4	.0	-.1	-1.5	-1.7	-1.2	.1	2.0	1.7	1.0	1.1	1.5	1.5	-1.1
71.0	.4	.0	-.1	-1.6	-1.8	-1.3	.1	2.0	1.8	1.1	1.1	1.5	1.5	-1.0
72.0	.4	.0	-.2	-1.6	-1.8	-1.3	.1	2.0	1.9	1.1	1.1	1.4	1.5	-1.0
73.0	.4	-.0	-.2	-1.7	-2.0	-1.4	.1	2.1	1.9	1.1	1.0	1.4	1.5	-1.0
74.0	.4	.0	-.1	-1.7	-1.9	-1.3	.1	2.2	2.0	1.2	1.0	1.5	1.4	-1.1
75.0	.4	-.0	-.2	-1.7	-2.1	-1.4	.1	2.2	2.1	1.2	1.0	1.2	1.4	-.8
76.0	.4	.1	-.1	-1.9	-2.0	-1.3	.2	2.4	2.2	1.3	1.1	1.4	1.4	-1.1
77.0	.5	-.0	-.2	-2.1	-2.3	-1.6	.1	2.4	2.2	1.3	1.0	1.2	1.5	-.7
78.0	.4	.1	-.1	-2.0	-2.1	-1.4	.2	2.6	2.4	1.5	1.1	1.5	1.5	-1.1
79.0	.5	-.0	-.2	-2.3	-2.6	-1.7	.1	2.6	2.5	1.5	1.0	1.2	1.5	-.7
80.0	.4	.2	-.3	-2.2	-2.4	-1.6	.3	2.9	2.8	1.7	1.1	1.4	1.5	-1.0
81.0	.6	.1	-.1	-2.5	-2.8	-1.8	.2	3.0	3.0	1.9	1.0	1.3	1.6	-.8
82.0	.5	.2	-.0	-2.5	-2.8	-1.8	-.3	3.2	3.2	2.0	1.1	1.4	1.6	-.9
83.0	.6	.1	-.1	-2.7	-3.1	-2.0	1.1	3.3	3.3	2.1	1.1	1.3	1.7	-.7
84.0	.6	.1	-.0	-2.8	-3.2	-2.0	.2	3.5	3.6	2.2	1.2	1.3	1.7	-.8
85.0	.5	.1	.1	-2.9	-3.2	-2.0	.3	3.7	3.8	2.4	1.2	1.3	1.7	-.8
86.0	.5	.3	.1	-2.9	-3.2	-2.0	.3	3.7	3.9	2.4	1.3	1.3	1.7	-.8
87.0	.7	.2	-.0	-3.0	-3.4	-2.1	.2	3.5	3.7	2.3	1.3	1.3	1.9	-.7
88.0	.7	.1	-.1	-3.1	-3.5	-2.2	.1	3.4	3.6	2.2	1.3	1.4	2.0	-.6
89.0	.7	.1	-.1	-2.9	-3.4	-2.1	.1	3.4	3.6	2.2	1.3	1.4	2.0	-.7
90.0	.7	.1	-.0	-2.8	-3.3	-2.1	.1	3.4	3.6	2.2	1.3	1.4	2.0	-.7
91.0	.7	.1	-.0	-2.8	-3.3	-2.1	.1	3.4	3.5	2.1	1.3	1.4	2.0	-.7
92.0	.7	.2	.0	-2.7	-3.3	-2.0	.1	3.4	3.6	2.1	1.3	1.4	2.0	-.7
93.0	.7	.3	.1	-2.6	-3.2	-2.0	.6	3.5	3.7	2.2	1.4	1.4	2.0	-.8
94.0	.7	.4	.3	-2.4	-3.0	-1.9	-.3	3.4	3.8	2.4	[illegible]	1.4	2.1	-.8
95.0	.7	.5	.5	-2.2	-2.9	-1.9	-.1	3.3	4.0	2.5	1.4	1.5	2.1	-.9
96.0	.4	.6	.8	-1.9	-2.8	-1.6	.3	3.6	4.0	2.8	1.7	1.5	2.1	-1.1
97.0	.4	.6	.9	-1.8	-2.8	-1.5	.4	3.7	4.0	2.6	1.6	1.5	2.0	-1.1
98.0	.5	.4	.5	-2.2	-2.9	-1.7	.3	3.6	3.8	2.3	1.5	1.5	2.1	-.9
99.0	.7	.3	.2	-2.4	-3.1	-1.9	.1	3.5	3.6	2.1	1.5	1.5	2.2	-.8

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9				
100.0	.8	.2	.2	-2.4	-3.2	-1.9	-.0	3.5	3.6	2.1	1.5	1.5	2.3	-.8
101.0	.8	.3	.2	-2.4	-3.2	-2.0	-.1	3.5	3.7	2.1	1.6	1.5	2.3	-.8
102.0	.7	.4	.3	-2.4	-3.2	-1.9	-.1	3.6	3.9	2.3	1.6	1.5	2.3	-.8
103.0	.6	.5	.5	-2.2	-3.1	-1.9	-.0	3.7	4.0	2.4	1.7	1.5	2.3	-.9
104.0	.6	.5	.6	-2.1	-3.1	-1.9	.0	3.8	4.1	2.5	1.7	1.6	2.3	-.9
105.0	.6	.5	.7	-2.1	-3.2	-2.0	.0	3.8	4.3	2.6	1.7	1.6	2.3	-1.0
106.0	.6	.6	.7	-2.1	-3.2	-2.0	.0	3.8	4.3	2.7	1.7	1.6	2.3	-1.0
107.0	.6	.6	.8	-2.1	-3.3	-1.9	.0	3.7	4.4	2.8	1.7	1.6	2.3	-1.0
108.0	.6	.6	.8	-2.1	-3.2	-1.9	.0	3.7	4.3	2.8	1.7	1.6	2.3	-1.0
109.0	.6	.6	.8	-2.0	-3.0	-1.8	.0	3.6	4.2	2.7	1.6	1.6	2.2	-1.0
110.0	.6	.6	.7	-1.9	-2.8	-1.8	.1	3.5	3.9	2.6	1.6	1.7	2.2	-1.1
111.0	.6	.5	.7	-1.7	-2.6	-1.7	.1	3.4	3.7	2.4	1.9	2.1	2.5	-1.5
112.0	.6	.5	.6	-1.6	-2.5	-1.6	.0	3.2	3.4	2.2	3.2	3.4	3.8	-2.8
113.0	.7	.5	.6	-1.5	-2.3	-1.6	.0	3.0	3.2	2.0	4.3	4.5	4.9	-3.9
114.0	.7	.5	.5	-1.4	-2.2	-1.5	.1	2.9	3.2	2.0	5.0	5.3	5.6	-4.6
115.0	.6	.5	.5	-1.3	-2.2	-1.4	.1	2.9	3.2	2.0	5.2	5.5	5.9	-4.9
116.0	.6	.5	.6	-1.3	-2.2	-1.4	.1	2.9	3.2	2.0	4.9	5.2	5.6	-4.6
117.0	.6	.5	.5	-1.4	-2.2	-1.5	.1	2.9	3.2	2.1	4.4	4.6	5.1	-4.0
118.0	.6	.5	.5	-1.4	-2.3	-1.6	.1	2.9	3.3	2.1	4.0	4.2	4.6	-3.5
119.0	.6	.5	.5	-1.5	-2.4	-1.7	.0	3.0	3.4	2.2	3.7	3.8	4.3	-3.1
120.0	.6	.5	.6	-1.5	-2.5	-1.8	.1	3.1	3.5	2.3	3.4	3.4	4.0	-2.8
121.0	.6	.5	.6	-1.6	-2.6	-1.8	.1	3.2	3.7	2.4	3.2	3.0	3.8	-2.4
122.0	.6	.6	.7	-1.6	-2.7	-1.9	.1	3.3	3.8	2.6	3.2	2.5	3.8	-1.9
123.0	.6	.6	.7	-1.7	-2.8	-2.0	.1	3.4	3.9	2.6	2.9	2.0	3.5	-1.4
124.0	.6	.5	.6	-1.7	-3.0	-2.1	-.0	3.3	3.9	2.6	2.9	1.6	3.5	-1.0
125.0	.7	.5	.5	-2.0	-3.0	-2.1	-.1	3.2	3.9	2.6	3.7	1.3	4.4	-.6
126.0	1.4	-.3	-.3	-2.8	-3.9	-2.9	-.9	2.4	3.1	1.8	3.2	3.1	4.6	-1.6
127.0	2.2	-.6	-1.1	-3.6	-4.7	-3.7	-1.7	1.6	2.4	1.0	2.2	4.1	4.4	-1.9
128.0	2.2	-2.5	-1.1	-4.6	-5.7	-4.7	-2.6	2.5	3.3	.6	2.2	3.2	4.4	-1.0
129.0	2.1	-2.4	-1.1	-6.5	-7.6	-6.6	-4.4	2.4	3.2	.5	2.3	2.9	4.4	-.8
130.0	-.2	-.1	-1.4	-7.4	-8.9	-6.5	-2.0	4.8	5.5	2.6	6.5	3.8	6.3	-4.0
131.0	-.3	-.1	-1.5	-7.6	-8.8	-6.4	-2.0	4.8	5.4	2.6	6.5	3.8	6.2	-4.1
132.0	-.3	-.3	-1.8	-7.5	-9.0	-6.6	-2.2	4.6	5.2	2.5	4.6	4.1	4.3	-4.4
133.0	-.3	-.3	-1.8	-7.5	-8.9	-6.5	-2.2	4.6	5.2	2.4	4.5	4.1	4.3	-4.4
134.0	-.5	-.2	-1.7	-7.3	-8.8	-6.4	-2.0	4.7	5.3	2.5	4.6	4.1	4.2	-4.6
135.0	-.5	-.2	-1.7	-7.3	-8.7	-6.3	-2.0	4.7	5.4	2.5	4.6	4.1	4.1	-4.6
145.0	-.6	-.1	-1.2	-6.5	-8.0	-5.7	-2.0	4.8	5.5	2.9	3.6	3.8	2.8	-4.6
155.0	-.5	-.2	-1.2	-6.2	-7.2	-5.7	-1.9	3.8	3.8	2.6	3.3	3.5	2.8	-4.0
165.0	-.2	-.2	-1.6	-6.1	-7.0	-5.3	-1.9	3.4	3.7	1.9	3.1	3.3	2.8	-3.5
175.0	-.2	.0	-1.4	-5.5	-6.6	-4.8	-1.9	3.1	3.8	1.8	2.8	3.0	2.7	-3.2
185.0	-.2	.0	-1.1	-5.0	-6.1	-4.5	-1.8	2.9	3.5	1.7	2.6	2.9	2.4	-3.0
195.0	-.3	.0	-1.0	-4.6	-5.7	-4.2	-1.6	2.6	3.2	1.6	2.4	2.5	2.1	-2.8
205.0	-.3	.0	-1.0	-4.3	-5.3	-3.9	-1.6	2.4	3.0	1.4	2.2	2.3	1.8	-2.6
215.0	-.4	.1	-.9	-3.9	-4.9	-3.6	-1.5	2.1	2.7	1.3	2.0	2.1	1.6	-2.5
225.0	-.4	.1	-.8	-3.6	-4.5	-3.3	-1.4	1.9	2.5	1.2	1.8	1.9	1.4	-2.3
235.0	-.5	.1	-.8	-3.3	-4.2	-3.1	-1.3	1.7	2.2	1.0	1.6	1.7	1.1	-2.1
245.0	-.5	.1	-.7	-3.1	-3.8	-2.8	-1.2	1.5	2.0	.9	1.4	1.5	.9	-2.0
255.0	-.5	.1	-.7	-2.8	-3.5	-2.6	-1.1	1.3	1.8	.8	1.2	1.3	.7	-1.9
265.0	-2.1	.1	-.7	-2.6	-3.3	-2.4	-1.1	1.2	1.7	.7	1.1	1.2	-1.0	-3.3
275.0	-10.6	.2	-.7	-1.5	-1.7	-1.2	-.7	-.1	.3	-.1	.3	.3	-10.3	*10.9

COMPOSITE

BETA POS

TIME	NOM VAL	1	2	3	4	5	6	7	8	9			
285.0	-10.4	.2	-.7	-1.3	-1.6	-1.2	-.7	-.1	.3	-.1	.2	.3	-10.1	-10.6
295.0	-10.1	.2	-.7	-1.2	-1.6	-1.2	-.6	-.1	.3	-.1	.2	.3	-9.9	-10.4
305.0	-9.9	.2	-.6	-1.2	-1.6	-1.1	-.6	-.1	.3	-.1	.2	.3	-9.7	-10.2
315.0	-9.7	.2	-.6	-1.2	-1.5	-1.1	-.6	-.1	.3	-.1	.2	.3	-9.5	-10.0
325.0	-9.5	.2	-.6	-1.1	-1.5	-1.0	-.6	-.1	.3	-.1	.2	.3	-9.3	-9.8
335.0	-9.3	.2	-.6	-1.1	-1.4	-1.0	-.5	-.1	.3	-.1	.2	.3	-9.1	-9.6
345.0	-9.1	.2	-.6	-1.1	-1.4	-1.0	-.5	-.0	.3	-.1	.2	.2	-8.9	-9.3
355.0	-8.9	.2	-.6	-1.0	-1.3	-.9	-.5	-.0	.3	-.1	.2	.2	-8.7	-9.1
365.0	-8.7	.2	-.6	-1.0	-1.3	-.9	-.5	-.0	.3	-.1	.2	.2	-8.5	-9.0
375.0	-8.5	.2	-.5	-1.0	-1.3	-.9	-.5	-.0	.2	-.1	.2	.2	-8.3	-8.8
385.0	-8.3	.2	-.5	-1.0	-1.2	-.9	-.5	-.0	.2	-.1	.2	.2	-8.1	-8.6
395.0	-8.2	.1	-.5	-.9	-1.2	-.8	-.4	-.0	.2	-.1	.2	.2	-8.0	-8.4
405.0	-8.0	.1	-.5	-.9	-1.1	-.8	-.4	-.0	.2	-.1	.2	.2	-7.8	-8.2
415.0	-7.8	.1	-.5	-.9	-1.1	-.8	-.4	-.0	.2	-.1	.2	.2	-7.7	-8.0
425.0	-7.7	.1	-.5	-.9	-1.1	-.7	-.4	-.0	.2	-.1	.2	.2	-7.5	-7.9
435.0	-7.5	.1	-.4	-.8	-1.0	-.7	-.4	-.0	.2	-.1	.2	.2	-7.3	-7.7
445.0	-7.4	.1	-.4	-.8	-1.0	-.7	-.4	-.0	.2	-.1	.2	.2	-7.2	-7.6
455.0	-7.2	.1	-.4	-.9	-1.0	-.7	-.3	.0	.2	-.1	.2	.2	-7.1	-7.4
465.0	-7.1	.1	-.4	-.7	-.9	-.6	-.3	.0	.2	-.1	.2	.2	-6.9	-7.3
475.0	-6.9	.1	-.4	-.7	-.9	-.6	-.3	.0	.2	-.1	.2	.2	-6.8	-7.1
485.0	-6.8	.1	-.4	-.7	-.9	-.6	-.3	.0	.2	-.1	.2	.2	-6.7	-7.0
495.0	-6.7	.1	-.4	-.7	-.8	-.6	-.3	.0	.2	-.1	.1	.2	-6.6	-6.9
505.0	-6.6	.1	-.4	-.7	-.8	-.6	-.3	-.0	.2	-.1	.1	.2	-6.5	-6.8
515.0	-6.5	.1	-.4	-.6	-.8	-.6	-.3	-.0	.1	-.1	.1	.1	-6.4	-6.6
525.0	-6.4	.1	-.4	-.6	-.8	-.5	-.3	-.0	.1	-.1	.1	.2	-6.3	-6.6
535.0	-6.4	.1	-.3	-.6	-.8	-.5	-.3	-.0	.1	-.1	.1	.1	-6.2	-6.5
545.0	-6.3	.1	-.3	-.6	-.7	-.5	-.3	-.0	.1	-.1	.1	.1	-6.2	-6.4
555.0	-6.3	.0	-.4	-.6	-.7	-.5	-.3	-.1	.1	-.1	.1	.2	-6.1	-6.4
565.0	-6.3	.0	-.4	-.6	-.7	-.5	-.3	-.1	.0	-.1	.1	.2	-6.1	-6.4