
Mechanistic Evaluation of Test Data From LTPP Flexible Pavement Test Sections, Volume II:

Final Report—Appendices



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FOREWORD

The days in which we can significantly advance the science of pavement engineering through purely empirical approaches are over. Instead, we must turn to mechanistically based analyses that seek to explain the mechanisms associated with pavement deterioration. This fact is reflected in the requirement that the *2002 Guide for Design of New and Rehabilitated Pavement Structures* be based on mechanistic concepts. (The 2002 Guide is currently under development through the National Cooperative Highway Research Program.)

This report is the second of a two-volume series documenting the first-ever application of Long Term Pavement Performance (LTPP) data to the evaluation of mechanistically based performance prediction procedures for flexible pavements. The other volume is report number FHWA-RD-98-012, Volume I: Final Report.

This report will be of benefit to those interested in the development of mechanistically based performance prediction and design procedures for flexible pavements. It will be of particular interest to those involved in the development of the 2002 Guide.


for Charles J. Nemmers, P.E.
Director
Office of Engineering
Research and Development

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16. Abstract The study reported here was conducted to assess how well some of the existing asphalt pavement mechanistic-empirical distress prediction model performed when used in conjunction with the data being collected as part of the national Long Term Pavement Performance (LTPP) program. As part of the study, appropriate data were obtained from the National Information Management System (NIMS) for the GPS-1 and GPS-2 experiments. The first phase of the data analysis involved using the deflection test data to backcalculate pavement layer moduli values. Using representative values of the layer moduli, structural analyses were performed for up to 140 axle load configurations for the selected test sections. Then, the Asphalt Institute and the Shell procedures were used to predict fatigue cracking and rutting damage. The computed results were compared with observed values. Based on the results, new forms of the fatigue cracking models have been proposed. Also, a new approach to predicting rutting has been developed. This new procedure would account for rutting in each pavement layer and would consider rate-hardening typically observed in the development of rutting. This study has shown that, even given the many current limitations in the LTPP database, the LTPP data can be used successfully to develop a better insight into pavement behavior and to improve pavement performance. This volume is the second in a series. The other volume in the series is: FHWA-RD-98-012 Volume I: Final Report			
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SI* (MODERN METRIC) CONVERSION FACTORS

APPROXIMATE CONVERSIONS TO SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
LENGTH				
in	inches	25.4	millimeters	mm
ft	feet	0.305	meters	m
yd	yards	0.914	meters	m
mi	miles	1.61	kilometers	km
AREA				
in ²	square inches	645.2	square millimeters	mm ²
ft ²	square feet	0.093	square meters	m ²
yd ²	square yards	0.836	square meters	m ²
ac	acres	0.405	hectares	ha
mi ²	square miles	2.59	square kilometers	km ²
VOLUME				
fl oz	fluid ounces	29.57	milliliters	mL
gal	gallons	3.785	liters	L
ft ³	cubic feet	0.028	cubic meters	m ³
yd ³	cubic yards	0.765	cubic meters	m ³
MASS				
oz	ounces	28.35	grams	g
lb	pounds	0.454	kilograms	kg
T	short tons (2000 lb)	0.907	megagrams (or "metric ton")	Mg (or "t")
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5(F-32)/9 or (F-32)/1.8	Celcius temperature	°C
ILLUMINATION				
fc	foot-candles	10.76	lux	lx
fl	foot-Lamberts	3.426	candela/m ²	cd/m ²
FORCE and PRESSURE or STRESS				
lbf	poundforce	4.45	newtons	N
lbf/in ²	poundforce per square inch	6.89	kilopascals	kPa

APPROXIMATE CONVERSIONS FROM SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
LENGTH				
mm	millimeters	0.039	inches	in
m	meters	3.28	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.621	miles	mi
AREA				
mm ²	square millimeters	0.0016	square inches	in ²
m ²	square meters	10.764	square feet	ft ²
m ²	square meters	1.195	square yards	yd ²
ha	hectares	2.47	acres	ac
km ²	square kilometers	0.386	square miles	mi ²
VOLUME				
mL	milliliters	0.034	fluid ounces	fl oz
L	liters	0.264	gallons	gal
m ³	cubic meters	35.71	cubic feet	ft ³
m ³	cubic meters	1.307	cubic yards	yd ³
MASS				
g	grams	0.035	ounces	oz
kg	kilograms	2.202	pounds	lb
Mg (or "t")	megagrams (or "metric ton")	1.103	short tons (2000 lb)	T
TEMPERATURE (exact)				
°C	Celcius temperature	1.8C + 32	Fahrenheit temperature	°F
ILLUMINATION				
lx	lux	0.0929	foot-candles	fc
cd/m ²	candela/m ²	0.2919	foot-Lamberts	fl
FORCE and PRESSURE or STRESS				
N	newtons	0.225	poundforce	lbf
kPa	kilopascals	0.145	poundforce per square inch	lbf/in ²

* SI is the symbol for the International System of Units. Appropriate rounding should be made to comply with Section 4 of ASTM E380.

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APPENDIX A. TEST SECTIONS WITH MISSING DATA

GPS-1 Sections Missing Traffic Data

State	Section
1	4127
1	4155
1	1001
2	1001
2	1002
2	1004
2	9035
4	1007
4	1015
4	1016
4	1017
4	1018
4	1021
4	1022
4	1024
4	1025
4	1034
4	1036
4	1037
4	1003
4	1006
4	1001
4	1002
6	7454
6	8153
6	8156
6	8534
6	8535
6	1253
8	1053
11	1400
12	4153
12	3995
12	4102
13	1001
13	1004

**GPS-1 Sections
Missing Traffic Data**

State	Section
13	1005
13	1031
13	4111
15	7080
15	1003
15	1006
15	1008
16	1001
16	1005
16	1007
16	1009
16	1010
16	1020
16	1021
16	9032
16	9034
19	1044
20	1009
23	1001
23	1009
23	1012
23	1026
23	1028
27	1018
29	1005
29	1010
30	1001
30	7066
30	7088
30	8129
31	1030
35	1112
35	1003
35	1005
35	1022
36	1011

**GPS-1 Sections
Missing Traffic Data**

State	Section
37	1006
37	1024
37	1028
37	1030
37	1040
37	1352
37	1801
37	1802
37	1803
37	1814
37	1817
37	1992
45	1008
45	1011
45	1024
45	1025
46	9187
46	9197
48	9005
48	1178
48	1181
48	1183
48	3579
48	3609
48	3729
48	3739
48	3749
48	3769
48	3835
48	3855
48	3865
48	3875
48	1039
48	1047
48	1050
48	1056

**GPS-1 Sections
Missing Traffic Data**

State	Section
48	1060
48	1065
48	1068
48	1076
48	1077
48	1087
48	1092
48	1093
48	1094
48	1096
48	1111
48	1113
48	1116
48	1119
48	1122
48	1123
48	1130
48	1168
48	1169
48	1174
48	1
49	1001
49	1008
49	1017
50	1004
53	1002
53	1005
53	1501
53	1801
56	1007
56	7775
81	1803
81	1804
81	1805
82	1005
85	1801

GPS-1 Sections
Missing Traffic Data

State	Section
85	1803
85	1808
87	1806
89	1021
89	1125
90	6405
90	6410

**GPS-1 Sections
Missing Layer Thickness Data**

State	Section
1	4129
48	3729

**GPS-1 Sections
Missing Deflection Data**

State	Section
45	1025
84	1648

**GPS-2 Sections
Missing Traffic Data**

State	Section
1	1011
4	1062
4	1065
6	2038
6	2040
6	2041
6	2051
6	2053
6	2647
6	7452
6	7491
6	8149
6	8150
6	8151
6	8201
6	8202
6	2002
6	2004
8	2008
10	1450
13	4092
13	4093
13	4096
13	4112
13	4113
13	4119
13	4420
22	3056
24	1632
24	1634
24	2401
24	2805
28	1001
28	1016
28	1802
28	2807

**GPS-2 Sections
Missing Traffic Data**

State	Section
28	3083
28	3085
28	3089
28	3090
28	3091
28	3093
30	7076
35	2118
35	2006
37	1645
37	2819
37	2824
37	2825
40	1015
40	1017
40	4087
40	4088
40	4164
41	2002
46	9106
47	3101
48	2108
48	2133
48	2172
48	2176
48	3559
48	3669
48	3679
48	3689
48	1048
48	1049
48	1069
48	1070
48	1109
54	1640
56	2015

**GPS-2 Sections
Missing Traffic Data**

State	Section
56	2017
56	2018
56	2019
56	2020
56	2037
56	7772
56	7773
72	1003
72	4122
81	2812
81	8529
82	9017
83	6454
84	1802
87	1680

**GPS-2 Sections
Missing Layer Thickness Data**

State	Section
28	3018
28	3094
47	2001
47	2008
47	3110

**GPS-2 Sections
Missing Deflection Data**

State	Section
1	4072
6	2004
6	2041
6	2053
6	2647
6	7491
6	8151
6	8201
6	8202
18	2008
18	2009
19	6150
24	1634
28	1001
28	1016

**GPS-2 Sections
Missing Deflection Data**

28	1802
29	5403
29	5413
30	7076
37	2825
40	1015
40	1017
40	4161
47	1023
47	1029
48	1048
48	1069
48	1070
48	1109
48	2108
48	2172
56	2017
72	4122
83	6454
84	1802
88	1646

GPS-2 Sections With Base Course Treatment Other Than Asphaltic

State	Section	Const. No.	Layer	Treated BS	Thickness	Base Code	Treatment Type
5	2042	1	2	5TB	6.6	331	Cement Agg. Mix
5	3048	1	2	5TB	7.4	331	Cement Agg. Mix
6	2002	1	3	5TB	10.4	331	Cement Agg. Mix
6	2004	1	3	5TB	5.3	331	Cement Agg. Mix
6	2038	1	3	5TB	6.6	334	Lean Concrete
6	2040	1	3	5TB	6.6	334	Lean Concrete
6	2041	1	3	5TB	6.5	331	Cement Agg. Mix
6	2051	1	3	5TB	6.5	331	Cement Agg. Mix
6	2053	1	4	5TB	6.1	331	Cement Agg. Mix
6	2053	1	5	5TB	3	334	Lean Concrete
6	2647	1	3	5TB	5.3	331	Cement Agg. Mix
6	7452	1	3	5TB	6.7	334	Lean Concrete
6	7491	1	2	5TB	4.8	331	Cement Agg. Mix
6	8149	1	2	5TB	5	331	Cement Agg. Mix
6	8150	1	3	5TB	6	331	Cement Agg. Mix
6	8151	1	2	5TB	6	331	Cement Agg. Mix
6	8201	1	3	5TB	4.8	331	Cement Agg. Mix
6	8202	1	2	5TB	11.6	331	Cement Agg. Mix
10	1450	1	2	5TB	6.3	339	Soil Cement
13	4092	1	2	5TB	8.4	339	Soil Cement
13	4093	1	2	5TB	8.6	339	Soil Cement
13	4096	1	2	5TB	6.3	339	Soil Cement
13	4420	1	2	5TB	7.9	339	Soil Cement
22	3056	1	2	5TB	7.9	331	Cement Agg. Mix
24	1632	1	3	5TB	4.6	334	Lean Concrete
24	2401	1	4	5TB	4.3	331	Cement Agg. Mix
24	2805	1	3	5TB	6	331	Cement Agg. Mix
28	2807	1	2	5TB	6.6	339	Soil Cement
28	3081	1	2	5TB	999.9	339	Soil Cement
28	3083	1	2	5TB	6.8	339	Soil Cement
28	3085	1	2	5TB	4.5	339	Soil Cement
28	3087	1	2	5TB	5.9	339	Soil Cement
28	3089	1	2	5TB	6.5	339	Soil Cement
28	3090	1	4	5TB	5.4	339	Soil Cement
28	3094	1	3	5TB	5.5	339	Soil Cement
29	5403	1	2	5TB	6.2	339	Soil Cement
29	5413	1	2	5TB	5	339	Soil Cement
34	1638	1	2	5TB	7.4	331	Cement Agg. Mix
37	1645	1	2	5TB	8.2	339	Soil Cement
37	2819	1	3	5TB	8.2	331	Cement Agg. Mix
37	2824	1	2	5TB	6	331	Cement Agg. Mix
37	2825	1	2	5TB	7.5	331	Cement Agg. Mix
38	2001	1	3	5TB	6.3	334	Lean Concrete
40	4154	1	2	5TB	11.3	340	Pozzolan Agg. Mix
41	2002	1	4	5TB	10	331	Cement Agg. Mix
47	2001	1	2	5TB	4.5	331	Cement Agg. Mix

GPS-2 Sections With Base Course Treatment Other Than Asphaltic

State	Section	Const. No.	Layer	Treated BS	Thickness	Base Code	Treatment Type
47	2008	1	2	5TB	999.9	331	Cement Agg. Mix
48	1049	1	3	5TB	11.2	331	Cement Agg. Mix
48	1069	1	3	5TB	15.2	350	Flexible Base with 3.0% Lime
48	1070	1	3	5TB	13.5	350	Flexible Base with 3.0% Lime
48	2108	1	3	5TB	14.2	331	Cement Agg. Mix
48	2176	1	2	5TB	9.4	331	Cement Agg. Mix
48	3669	1	3	5TB	8	331	Cement Agg. Mix
48	3679	1	2	5TB	8.4	331	Cement Agg. Mix
48	3689	1	3	5TB	7.9	331	Cement Agg. Mix
51	1417	1	3	5TB	6.6	331	Cement Agg. Mix
51	1419	1	2	5TB	5.8	331	Cement Agg. Mix
51	2004	1	2	5TB	6.1	334	Lean Concrete
56	2015	1	3	5TB	10	331	Cement Agg. Mix
56	2017	1	2	5TB	11.2	331	Cement Agg. Mix
56	2018	1	3	5TB	14.4	331	Cement Agg. Mix
56	2019	1	4	5TB	10.6	331	Cement Agg. Mix
56	2020	1	2	5TB	12.6	331	Cement Agg. Mix
56	2037	1	2	5TB	16.4	331	Cement Agg. Mix
56	7772	1	2	5TB	15.1	331	Cement Agg. Mix
56	7773	1	3	5TB	5.2	331	Cement Agg. Mix
81	2812	1	2	5TB	6.5	333	Cemented Soil
87	2811	1	3	5TB	7.4	350	P JPCP in Composite-Type 51
87	2812	1	3	5TB	6.7	350	P JPCP in Composite-Type 51

APPENDIX B - SAMPLE OF BACKCALCULATION OUTPUT

This appendix contains the following four tables.

1 – Sample of PADAL backcalculation results for GPS-1 sections

This is a print of only the first 10 pages of the table. The table shows the results with average absolute percent error per sensor of less than 2 percent. These are the results that were used in the structural analysis. The following is a list of the variables in the table.

STATE	State code used in LTPP.
SECTION	Section code used in the LTPP.
STATION	The station of testing point, measured in feet from the section start (on the wheelpath).
DATE	FWD testing date.
TIME	FWD testing time.
TEMP	Pavement mid-depth temperature at the testing time in °F.
E1_PSI	The elastic modulus of the first layer (AC or combined AC and ATB), in psi.
E1_68_PSI	Same as above, but adjusted to 20°C (68°F).
E1_MPT_P	Same as above, but adjusted to the mean annual pavement temperature.
E2_PSI	The elastic modulus of the base, subbase, or combined base/subbase, in psi. A value of 9999 indicates that there is no granular base and subbase.
E*_PSI	Where “*” is 3 to 7, is the 5 layers of subgrade, with thickness of 584, 965, 2007 and infinite millimeters (23, 38, 79, and infinite inches), respectively.
ERROR	The deflection match error, average percent difference per sensor.
MAPT	Mean annual pavement temperature at the given section.

2 – Sample of PADAL back calculation results for GPS-2 sections

This is a print of only the first 10 pages of the table. The table shows only the results with average absolute percent error per sensor of less than 2 percent. These are the results that were used in the structural analysis. The table structure and variable definitions are the same as shown above.

3 – Sample of WESDEF backcalculation results for GPS-1 sections

This is a print of only the first 10 pages of the table. The following is a list of the variables in the table:

SECTION	6-digit number made of the state code and the LTPP section code (section identification).
STATIO	The station of testing point, measured in feet from the section start (on the wheelpath).
DATE	FWD testing date.
TIME	FWD testing time.

# layer	Number of layers in the pavement system, including the subgrade.
AB_PR_	Deflection match indicator (absolute some errors, mils).
AV_PR_	Deflection match indicator (average percent errors per sensor).
E1_Psi	The elastic modulus of the first layer (AC or combined AC and ATB), in psi.
E2_PSI	The elastic modulus of the granular base, subbase, or combined base/subbase, in psi.
E3_Psi	The elastic modulus of the subgrade, in psi.

4 – Frequency tables, for GPS-1 and GPS-2 sections, showing the number of deflection basins for which the backcalculation was performed successfully, displayed under the station and date

The row headings are the section identification and the testing date. The column headings are the stations, and the numbers in the cells indicate the frequency.

Sample of PADAL Backcalculation Results for GPS-1 Sections

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_Psi	E1_64_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
1	1001	225	10/11/89	1054		824,071	1,121,928	1,003,711	35,073	95,363	95,653	95,943	96,233	96,523	0.62	73
1	1001	276	10/11/89	1100	82	758,563	1,047,109	938,775	33,768	61,595	61,595	61,740	61,740	61,885	1.81	73
1	1001	350	10/11/89	1111	83.2	853,492	1,211,155	1,083,538	36,667	47,826	47,971	47,971	47,971	48,116	2	73
1	1001	375	10/11/89	1119	84.1	737,548	1,068,539	955,948	27,826	41,449	48,406	55,363	63,189	75,073	0.35	73
1	1001	400	10/11/89	1122	84.4	780,303	1,138,317	1,018,373	31,594	66,812	66,812	66,957	66,957	67,102	1.86	73
1	1001	425	10/11/89	1125	84.7	841,315	942,044	842,782	34,928	77,972	78,117	78,117	78,262	78,407	0.48	73
1	1001	475	10/11/89	1131	85.4	682,475	1,018,795	911,445	29,565	34,058	34,058	34,203	34,203	34,203	1.03	73
1	1001	500	10/11/89	1136	85.9	474,210	716,096	640,641	31,594	16,232	20,724	25,217	30,725	40,000	1.31	73
1	1001	200	10/8/92	806	71.1	696,098	747,602	668,828	26,812	94,929	95,219	95,653	95,943	96,233	1.53	73
1	1001	225	10/8/92	828	71.6	801,024	652,968	584,165	32,029	100,146	102,320	104,204	106,088	108,552	1.44	73
1	1001	250	10/8/92	831	71.7	597,546	650,988	582,123	32,029	88,668	86,813	86,813	86,958	87,102	0.02	73
1	1001	350	10/8/92	841	71.9	805,376	881,046	788,210	31,594	49,276	49,421	49,421	49,566	49,710	1.72	73
1	1001	375	10/8/92	844	71.9	731,026	799,711	715,446	24,927	54,783	54,928	55,073	55,218	55,363	1.04	73
1	1001	475	10/8/92	857	72.2	609,575	671,471	600,718	27,826	29,710	30,290	30,870	31,304	32,029	0.52	73
1	1001	500	10/8/92	900	72.2	364,788	401,829	359,488	28,118	13,043	18,985	25,797	35,217	53,334	0.52	73
1	1019	0	11/13/89	1121	74	691,750	794,236	873,369	7,826	44,348	44,348	44,493	44,493	44,638	1.83	75
1	1019	75	11/13/89	1126	74.4	680,011	787,981	668,067	9,710	51,884	52,029	52,029	52,174	52,174	1.51	75
1	1019	125	11/13/89	1139	75.4	682,330	809,086	685,959	11,594	45,508	45,508	45,652	45,652	45,797	1.07	75
1	1019	150	11/13/89	1141	75.8	820,158	977,007	828,326	8,895	46,667	46,812	46,812	46,957	46,957	1.42	75
1	1019	175	11/13/89	1144	75.8	551,313	659,779	559,374	12,608	33,333	37,391	41,015	44,783	49,710	0.11	75
1	1019	200	11/13/89	1147	76	487,109	585,634	496,512	13,478	28,130	36,087	42,899	50,580	61,740	0.47	75
1	1019	225	11/13/89	1150	76.2	302,813	365,501	309,879	34,928	28,275	36,087	42,174	48,841	58,406	1.27	75
1	1019	250	11/13/89	1153	76.5	771,897	938,770	795,908	10,145	51,595	51,595	51,740	51,884	51,884	1.02	75
1	1019	278	11/13/89	1200	77	704,089	866,195	734,377	7,391	47,392	47,537	47,537	47,681	47,681	1.2	75
1	1019	301	11/13/89	1203	77.2	501,892	620,312	525,913	12,029	37,971	42,464	46,232	50,290	55,653	0.18	75
1	1019	327	11/13/89	1209	77.7	727,113	909,080	770,738	7,536	42,899	42,899	43,044	43,044	43,189	1.45	75
1	1019	350	11/13/89	1212	77.9	912,189	1,145,737	971,379	9,420	44,638	44,638	44,638	44,783	44,783	0.34	75
1	1019	375	11/13/89	1215	78.1	295,367	372,702	315,984	10,579	38,261	38,406	38,406	38,551	38,551	0.76	75
1	1019	426	11/13/89	1221	78.6	658,996	841,168	713,160	8,958	50,725	50,725	50,870	50,870	51,015	0.95	75
1	1019	450	11/13/89	1225	78.9	650,590	836,195	708,943	8,811	49,568	49,710	49,710	49,855	50,000	1.15	75
1	1019	475	11/13/89	1228	79.1	600,589	775,493	657,478	6,376	48,696	48,841	48,841	48,986	48,986	0.14	75
1	1019	500	11/13/89	1231	79.4	487,689	634,078	537,584	9,855	34,348	39,131	43,334	47,826	53,913	0.18	75
1	1019	2	7/28/92	1044	95.7	147,538	279,193	238,706	29,130	21,449	29,130	36,232	44,493	57,247	0.41	75
1	1019	25	7/28/92	1048	96.1	321,309	613,654	520,268	14,348	34,203	39,131	43,334	47,537	53,334	0.28	75
1	1019	50	7/28/92	1051	96.3	321,309	616,487	522,670	13,913	40,435	44,928	48,551	52,484	57,392	0.49	75
1	1019	75	7/28/92	1053	96.5	272,178	524,630	444,792	14,348	44,638	47,102	48,886	50,870	53,334	0.55	75
1	1019	100	7/28/92	1058	96.9	322,759	627,882	532,331	13,478	46,377	46,667	46,957	47,102	47,392	0.38	75
1	1019	125	7/28/92	1103	97.3	274,932	539,790	457,645	16,811	39,131	42,319	44,783	47,392	50,580	0.33	75
1	1019	150	7/28/92	1108	97.7	285,512	565,749	479,654	21,594	28,896	35,073	40,580	46,812	55,363	0.24	75
1	1019	175	7/28/92	1112	98	209,568	418,144	354,511	12,463	36,522	38,886	41,015	42,899	45,363	0.1	75
1	1019	200	7/28/92	1114	98.2	190,582	382,018	323,882	11,594	29,855	36,667	42,899	49,710	58,421	0.18	75
1	1019	227	7/28/92	1122	98.9	202,902	413,319	350,420	18,406	31,449	39,855	47,537	56,087	68,262	0.82	75
1	1019	250	7/28/92	1124	99	231,308	472,270	400,400	12,463	37,971	43,044	47,247	51,595	57,247	0.97	75
1	1019	277	7/28/92	1134	99.9	367,397	765,836	648,291	7,536	46,957	47,102	47,102	47,247	47,247	0.01	75
1	1019	302	7/28/92	1143	100.8	195,220	413,547	350,614	26,522	31,304	37,681	43,044	48,696	56,522	0.8	75
1	1019	325	7/28/92	1146	100.9	235,511	502,356	425,907	28,896	22,754	31,594	40,435	51,160	68,696	0.48	75
1	1019	350	7/28/92	1150	101.2	309,860	665,527	564,247	22,754	29,130	34,783	39,710	44,828	52,319	0.41	75
1	1019	375	7/28/92	1154	101.5	181,887	393,370	333,507	8,985	28,116	32,899	37,102	41,594	47,681	0.12	75
1	1019	400	7/28/92	1157	101.8	304,642	663,423	562,464	12,898	23,168	30,290	37,391	45,508	57,972	0.14	75
1	1019	425	7/28/92	1200	102	221,742	485,120	411,295	13,768	25,507	32,609	39,276	46,812	57,682	0.73	75
1	1019	452	7/28/92	1207	102.6	227,829	505,371	428,484	12,753	28,261	35,217	41,594	49,551	58,551	0.23	75
1	1019	475	7/28/92	1209	102.8	225,858	502,859	428,334	8,405	34,058	40,000	45,508	51,305	59,276	0.55	75
1	1019	500	7/28/92	1215	103.2	154,840	347,794	294,887	19,710	22,029	30,870	39,710	50,145	66,522	0.76	75
1	4126	0	9/24/90	1021	68.4	499,718	504,342	500,996	36,812	24,927	40,725	64,638	107,248	211,597	0.23	68
1	4126	50	9/24/90	1028	68.7	360,875	366,739	364,306	21,884	57,682	57,682	57,682	57,827	57,827	1.32	68
1	4126	75	9/24/90	1030	68.8	543,832	553,739	550,065	17,391	71,305	71,305	71,450	71,450	71,595	0.75	68
1	4126	100	9/24/90	1033	68.9	458,094	465,645	462,556	17,681	62,464	62,754	63,189	63,479	63,914	0.82	68
1	4126	125	9/24/90	1036	69	545,806	558,519	554,814	14,203	58,957	58,957	59,102	59,102	59,247	0.88	68
1	4126	175	9/24/90	1042	69.2	479,573	493,009	489,738	10,290	71,160	71,160	71,305	71,450	71,595	1.86	68
1	4126	200	9/24/90	1046	69.3	580,734	598,380	594,411	20,580	35,507	47,826	64,059	88,552	137,973	0.15	68
1	4126	225	9/24/90	1049	69.4	574,937	593,773	589,834	14,927	72,609	72,609	72,754	72,754	72,899	1.43	68
1	4126	275	9/24/90	1055	69.6	417,253	432,912	430,040	18,406	53,044	53,189	53,189	53,189	53,334	1.52	68
1	4126	300	9/24/90	1057	69.7	516,240	536,849	533,287	39,420	20,290	34,058	54,638	91,595	188,090	0.01	68
1	4126	325	9/24/90	1101	69.8	607,691	633,407	629,205	20,724	69,131	69,276	69,276	69,421	69,421	1.65	68
1	4126	350	9/24/90	1104	69.9	591,459	617,909	613,810	43,334	23,623	40,725	67,972	119,132	254,207	0.09	68
1	4126	375	9/24/90	1107	70	611,189	639,673	635,727	14,348	55,798	55,798	55,798	55,942	55,942	0.85	68
1	4126	400	9/24/90	1110	70.1	625,952	656,963	652,605	15,942	49,131	49,131	49,276	49,276	49,276	1.02	68
1	4126	425	9/24/90	1112	70.2	596,531	627,528	623,365	45,073	14,782	24,493	38,841	64,493	128,842	0.09	68
1	4126	475	9/24/90	1124	70.6	598,850	635,797	631,579	15,852	51,595	51,740	51,740	51,884	51,884	1.01	68
1	4126															

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_PSI	1_MPT_Ps	E2_PSI	E3_PSI	E4_PSI	E5_PSI	E6_PSI	E7_PSI	ERROR	MAPT
1	4127	25	9/26/90	1006	74.7	707,548	825,574	820,001	32,464	47,247	59,421	71,740	86,813	109,856	1.72	68
1	4127	50	9/26/90	1014	75.2	811,028	957,273	950,811	47,971	26,377	42,174	62,030	91,865	152,321	0.11	68
1	4127	75	9/26/90	1018	75.3	739,432	874,779	868,874	44,348	32,899	52,464	76,667	112,900	184,495	0.09	68
1	4127	100	9/26/90	1019	75.4	970,451	1,150,730	1,142,963	13,333	56,522	70,725	86,088	105,219	136,089	0.61	68
1	4127	125	9/26/90	1022	75.6	951,175	1,133,080	1,125,431	9,855	96,523	96,688	96,613	96,958	97,103	1.25	68
1	4127	150	9/26/90	1024	75.7	695,374	830,268	824,663	60,290	32,754	57,537	90,871	144,060	259,569	0.82	68
1	4127	175	9/26/90	1028	75.9	1,150,869	1,380,490	1,371,172	13,362	108,987	109,132	109,277	109,422	109,567	1.96	68
1	4127	200	9/26/90	1030	76	1,045,814	1,257,346	1,248,858	22,464	96,523	97,972	99,277	100,581	102,175	1.55	68
1	4127	225	9/26/90	1033	76.2	837,115	1,011,079	1,004,254	17,826	99,566	99,711	99,856	100,001	100,146	0.43	68
1	4127	250	9/26/90	1036	76.3	926,392	1,121,489	1,113,918	25,072	83,479	107,682	134,495	168,263	222,177	0.51	68
1	4127	275	9/26/90	1038	76.5	1,004,219	1,221,318	1,213,074	34,203	109,422	109,567	109,712	109,858	110,146	1.37	68
1	4127	300	9/26/90	1041	76.6	989,147	1,205,760	1,197,620	30,725	56,087	72,320	90,001	112,320	148,118	0.66	68
1	4127	325	9/26/90	1045	76.8	1,028,133	1,259,068	1,250,599	15,072	120,291	120,871	121,306	121,886	122,610	0.93	68
1	4127	350	9/26/90	1048	77	780,303	959,982	953,502	46,377	52,899	87,392	131,306	197,684	331,889	0.44	68
1	4127	375	9/26/90	1050	77.1	833,202	1,027,426	1,020,490	33,044	70,870	88,842	106,958	129,712	165,510	0.53	68
1	4127	400	9/26/90	1053	77.3	828,564	1,026,423	1,019,464	35,217	53,479	70,580	88,987	112,320	150,147	0.34	68
1	4127	475	9/26/90	1101	77.7	773,201	966,702	960,176	45,073	65,943	82,030	98,262	118,262	149,712	0.47	68
1	4127	500	9/26/90	1103	77.8	750,302	940,235	933,888	54,638	48,986	92,465	154,350	258,555	500,733	0.57	68
1	4127	0	6/27/91	1013	78.5	498,704	635,101	630,814	89,586	29,275	53,334	85,363	137,538	254,352	0.57	68
1	4127	25	6/27/91	1016	78.6	480,008	612,701	608,585	52,609	28,116	49,131	76,523	119,422	210,728	0.63	68
1	4127	50	6/27/91	1019	78.7	635,228	812,699	807,213	33,768	24,348	41,160	63,769	99,711	176,379	0.18	68
1	4127	75	6/27/91	1022	78.9	561,605	850,352	844,612	16,232	43,189	60,001	79,711	106,523	153,480	0.05	68
1	4127	100	6/27/91	1024	78.9	738,418	949,079	942,672	8,840	86,233	86,378	86,523	86,668	86,813	0.78	68
1	4127	125	6/27/91	1027	79.1	684,938	858,581	852,786	14,493	41,594	60,725	84,784	119,277	183,191	0.11	68
1	4127	150	6/27/91	1030	79.2	600,589	777,280	772,034	46,522	29,855	54,838	89,276	146,689	277,251	0.25	68
1	4127	175	6/27/91	1032	79.2	603,923	781,595	776,319	54,928	38,666	61,305	88,262	127,248	202,467	1.09	68
1	4127	200	6/27/91	1035	79.4	549,719	714,728	709,903	70,001	34,058	61,305	97,682	156,234	284,932	0.92	68
1	4127	225	6/27/91	1038	79.5	613,343	799,289	793,893	30,725	45,218	67,392	93,624	130,147	196,814	0.78	68
1	4127	250	6/27/91	1040	79.6	668,998	873,624	867,925	19,130	88,552	108,987	130,726	156,814	196,090	0.4	68
1	4127	275	6/27/91	1043	79.7	693,200	907,525	901,399	51,450	72,465	90,146	107,827	129,712	164,060	0.2	68
1	4127	300	6/27/91	1045	79.7	694,939	909,802	903,660	56,087	39,710	64,928	96,088	142,611	235,656	0.63	68
1	4127	325	6/27/91	1048	79.9	580,009	762,843	757,693	72,465	34,928	75,508	139,712	260,729	584,792	0.57	68
1	4127	350	6/27/91	1051	80	631,025	831,853	826,238	54,493	44,203	87,827	152,031	264,497	539,429	0.12	68
1	4127	375	6/27/91	1053	80	686,098	904,454	898,348	22,319	85,363	97,248	108,697	121,741	139,567	0.36	68
1	4127	400	6/27/91	1056	80.2	718,562	951,622	945,199	35,942	45,797	71,450	103,480	149,857	239,134	0.63	68
1	4127	425	6/27/91	1058	80.2	568,415	752,776	747,694	42,899	43,913	85,798	147,973	255,366	512,762	1.23	68
1	4127	450	6/27/91	1105	80.5	568,850	758,574	753,453	47,681	35,652	88,552	184,785	391,890	1,049,438	0.11	68
1	4127	475	6/27/91	1110	80.7	615,952	825,177	819,607	61,595	47,681	70,001	95,943	132,755	200,683	1.88	68
1	4127	500	6/27/91	1112	80.8	723,635	971,672	965,113	25,652	46,087	85,943	146,379	251,743	503,052	1.16	68
1	4155	0	9/10/90	958	94.1	1,338,573	2,441,418	2,109,825	54,638	93,334	101,161	107,363	113,770	122,031	0.62	74
1	4155	25	9/10/90	1002	94.4	1,381,472	2,537,127	2,192,535	43,913	98,262	99,566	100,726	101,595	102,900	1.18	74
1	4155	50	9/10/90	1005	94.7	1,006,393	1,861,092	1,808,319	48,406	93,334	96,958	99,856	102,610	106,088	0.82	74
1	4155	75	9/10/90	1010	95.1	901,899	1,683,286	1,454,663	80,001	105,509	108,987	111,596	114,059	117,103	0.15	74
1	4155	100	9/10/90	1015	95.5	1,208,426	2,278,251	1,967,091	58,116	99,277	100,291	101,016	101,595	102,465	1.28	74
1	4155	125	9/10/90	1018	95.8	858,420	1,628,171	1,407,033	54,638	91,160	92,320	93,045	93,914	94,929	1.04	74
1	4155	150	9/10/90	1021	96.1	841,753	1,607,625	1,389,278	50,870	85,073	88,552	91,305	93,914	97,248	0.23	74
1	4155	175	9/10/90	1024	96.3	1,155,092	2,216,239	1,915,230	43,189	87,682	93,479	98,117	102,610	108,407	1.07	74
1	4155	200	9/10/90	1027	96.6	1,024,510	1,979,321	1,710,490	49,421	81,740	90,146	96,958	103,914	113,045	1.42	74
1	4155	225	9/10/90	1030	96.8	1,065,960	2,068,997	1,787,908	46,667	101,740	102,030	102,320	102,465	102,755	1.28	74
1	4155	250	9/10/90	1033	97.1	1,146,251	2,240,164	1,935,905	37,826	107,538	107,682	107,827	107,972	108,262	1.74	74
1	4155	300	9/10/90	1041	97.8	938,565	1,864,082	1,610,903	52,029	96,233	96,378	96,523	96,668	96,813	1.69	74
1	4155	325	9/10/90	1043	98	875,087	1,746,028	1,508,883	47,102	82,030	86,668	90,291	93,769	98,262	0.21	74
1	4155	350	9/10/90	1046	98.2	1,205,527	2,416,446	2,086,245	38,841	83,769	87,247	90,146	92,900	96,233	1.26	74
1	4155	400	9/10/90	1052	98.7	1,071,467	2,172,596	1,877,514	41,160	93,045	96,233	98,697	101,161	104,059	1.19	74
1	4155	425	9/10/90	1056	99.1	761,320	1,967,289	1,700,092	47,971	78,407	84,784	89,711	94,784	101,161	0.05	74
1	4155	451	9/10/90	1104	99.8	668,272	1,389,803	1,201,040	65,943	76,857	83,624	89,131	94,784	102,320	0.06	74
1	4155	475	9/10/90	1106	100	674,939	1,410,147	1,218,621	52,029	77,247	84,349	89,856	95,508	102,610	0.19	74
1	4155	500	9/10/90	1109	100.2	1,282,630	2,692,164	2,326,515	38,986	100,001	100,581	100,871	101,306	101,740	1.89	74
1	4155	0	7/1/91	929	94.5	753,056	1,388,204	1,197,930	51,740	76,233	89,131	100,001	111,596	127,393	0.38	74
1	4155	25	7/1/91	932	94.8	1,100,743	2,040,262	1,763,154	40,580	74,059	87,392	99,277	111,885	129,277	1.07	74
1	4155	50	7/1/91	934	95	1,072,771	1,997,594	1,726,281	39,131	73,769	86,958	98,407	110,726	127,683	0.88	74
1	4155	75	7/1/91	937	95.3	1,152,048	2,160,084	1,866,702	38,261	93,624	94,929	95,943	96,813	97,972	1.05	74
1	4155	100	7/1/91	940	95.7	963,349	1,822,988	1,575,390	45,652	67,972	83,189	96,813	111,885	133,190	0.95	74
1	4155	125	7/1/91	942	95.9	820,448	1,559,737	1,347,894	40,435	68,551	74,059	78,407	82,755	88,407	0.32	74
1	4155	150	7/1/91	945	96.2	987,697	1,890,706	1,633,911	33,623	79,858	83,334	86,088	88,697	92,030	0.94	74
1	4155	175	7/1/91	948	96.5	1,260,456	2,429,560	2,099,578	31,015	84,928	86,088	87,102	87,972	88,987	0.63	74
1	4155	200	7/1/91	950	96.7	1,220,600	2,363,597	2,042,574	33,333	78,117	82,899	86,868	90,436	95,219	1.29	74
1	4155	225	7/1/91	953	97	1,216,687	2,372,351	2,050,139	30,435	95,798	96,068	96,233				

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
2	1001	275	8/26/93	1135	59.6	2,508,303	2,067,188	3,717,662	14,927	50,580	53,913	56,667	59,276	62,609	1.25	43
2	1001	300	8/26/93	1138	59.7	1,632,058	1,348,140	2,424,516	28,116	39,565	43,623	46,667	49,710	53,624	1.01	43
2	1001	325	8/26/93	1141	59.9	1,680,753	1,394,774	2,506,382	19,275	32,754	39,555	46,067	52,754	62,030	0.23	43
2	1001	350	8/26/93	1143	59.9	1,981,917	1,644,695	2,957,845	22,899	27,971	35,797	42,899	50,870	62,319	0.16	43
2	1001	375	8/26/93	1146	60.1	2,469,752	2,058,985	3,702,910	22,319	29,130	38,986	48,551	59,856	76,667	0.19	43
2	1001	400	8/26/93	1148	60.2	1,375,240	1,149,155	2,066,657	28,116	27,101	34,783	41,594	49,276	60,290	1.65	43
2	1001	425	8/26/93	1151	60.3	2,204,385	1,946,237	3,320,300	25,652	31,739	41,884	51,450	62,464	78,841	0.7	43
2	1001	450	8/26/93	1153	60.4	2,193,660	1,841,490	3,311,763	42,319	40,435	48,116	54,783	61,740	71,160	0.63	43
2	1001	475	8/26/93	1155	60.5	1,866,553	1,570,509	2,824,426	34,203	34,928	40,435	44,928	49,710	55,942	0.98	43
2	1001	500	8/26/93	1159	60.6	2,391,924	2,017,193	3,927,750	41,449	31,449	34,203	36,377	38,551	41,160	0.3	43
2	1002	0	8/25/93	1249	61.7	1,238,426	1,071,199	1,941,179	46,087	45,797	45,797	45,942	45,942	46,087	1.44	42
2	1002	25	8/25/93	1251	61.8	1,174,367	1,018,132	1,845,013	44,493	36,377	40,435	43,768	47,392	52,029	0.37	42
2	1002	50	8/25/93	1254	61.9	1,147,700	997,306	1,807,273	48,841	41,449	41,594	41,594	41,739	41,739	0.59	42
2	1002	75	8/25/93	1256	61.9	874,362	759,786	1,378,850	43,768	35,073	45,073	54,493	65,508	82,320	0.46	42
2	1002	100	8/25/93	1300	62	1,181,324	1,028,890	1,884,509	45,652	33,188	43,768	53,913	66,233	85,363	1.29	42
2	1002	125	8/25/93	1302	62.1	1,182,773	1,032,527	1,871,089	39,565	42,754	53,769	64,059	75,943	93,624	0.92	42
2	1002	150	8/25/93	1306	62.3	1,266,543	1,128,299	2,044,854	33,623	74,204	74,349	74,638	74,783	74,928	0.5	42
2	1002	175	8/25/93	1310	62.4	699,432	614,816	1,114,142	42,754	40,290	42,999	44,928	46,812	49,421	0.15	42
2	1002	250	8/25/93	1320	62.7	1,079,003	955,043	1,730,686	45,797	53,624	53,769	53,769	53,913	53,913	1.07	42
2	1002	275	8/25/93	1322	62.8	991,755	879,842	1,594,410	42,899	51,740	54,493	56,667	58,896	61,450	0.84	42
2	1002	300	8/25/93	1325	62.9	1,408,139	1,252,119	2,269,034	37,102	67,247	67,682	67,972	68,406	68,841	0.14	42
2	1002	325	8/25/93	1328	63	893,493	796,326	1,443,067	46,957	51,015	60,435	68,551	77,392	89,656	0.72	42
2	1002	350	8/25/93	1331	63.1	1,025,959	916,495	1,660,831	40,145	47,971	61,885	75,218	90,871	114,494	0.01	42
2	1002	375	8/25/93	1333	63.1	1,251,470	1,117,945	2,025,890	38,841	44,058	61,595	79,711	102,320	139,277	0.89	42
2	1002	400	8/25/93	1336	63.2	913,783	818,169	1,482,650	41,160	41,594	57,682	74,059	94,204	127,103	0.85	42
2	1002	425	8/25/93	1339	63.3	1,429,154	1,282,564	2,324,205	31,449	48,261	63,624	79,131	97,682	126,668	0.86	42
2	1002	450	8/25/93	1342	63.4	1,159,440	1,042,913	1,889,920	35,652	58,261	71,015	82,610	95,653	114,494	0.84	42
2	1002	475	8/25/93	1345	63.5	1,293,500	1,166,182	2,113,322	37,102	77,102	85,551	92,765	100,291	116,436	1.07	42
2	1002	500	8/25/93	1347	63.6	1,129,874	1,021,010	1,850,228	34,348	70,725	81,740	91,595	102,030	116,378	0.3	42
2	1004	50	8/27/93	1040	60.8	3,066,284	2,585,903	4,862,621	38,406	12,029	33,479	84,204	227,974	907,986	1.32	41
2	1004	75	8/27/93	1043	60.8	2,312,356	1,959,093	3,683,945	31,594	17,101	27,538	41,449	63,768	113,045	0.49	41
2	1004	125	8/27/93	1049	61.3	3,474,405	2,977,698	5,598,364	43,044	17,536	31,159	51,884	88,987	186,090	1.51	41
2	1004	175	8/27/93	1111	63	2,812,076	2,506,266	4,712,887	53,044	15,507	31,449	57,827	110,436	266,961	0.48	41
2	1004	200	8/27/93	1116	63.3	3,623,250	3,251,608	6,114,439	39,565	31,449	37,681	44,058	52,029	64,638	0.84	41
2	1004	225	8/27/93	1118	63.5	3,623,250	3,286,617	6,142,658	42,029	33,479	44,783	46,957	49,276	52,319	0.79	41
2	1004	250	8/27/93	1121	63.7	3,623,250	3,281,695	6,171,012	62,030	19,565	32,609	50,580	80,001	147,538	1.22	41
2	1004	300	8/27/93	1127	64.2	3,623,250	3,319,695	6,242,469	47,537	28,986	39,276	51,015	66,957	95,363	0.72	41
2	1004	325	8/27/93	1129	64.3	2,719,176	2,497,108	4,896,647	52,174	20,580	34,928	55,218	89,421	171,597	0.64	41
2	1004	350	8/27/93	1131	64.5	3,623,250	3,342,706	6,285,739	43,479	26,812	40,145	57,102	83,044	136,958	0.61	41
2	1004	375	8/27/93	1136	64.9	3,623,250	3,373,836	6,343,901	36,957	39,420	47,102	54,928	64,638	80,001	0.37	41
2	1004	400	8/27/93	1147	65.7	3,623,250	3,436,357	6,461,842	43,768	24,927	39,710	58,856	91,885	162,031	1.42	41
2	1004	425	8/27/93	1150	66	2,950,340	2,817,552	5,298,222	44,203	15,652	39,420	89,421	214,931	721,171	1.32	41
2	1004	450	8/27/93	1152	66.1	2,638,740	2,525,786	4,749,575	43,189	21,304	41,915	72,899	134,080	306,671	0.8	41
2	1004	475	8/27/93	1156	66.4	3,304,838	3,185,299	5,989,745	37,102	23,913	41,449	67,537	113,335	228,844	1.1	41
2	1004	500	8/27/93	1158	66.6	2,658,305	2,573,978	4,840,197	40,290	22,464	44,993	81,450	154,840	369,571	1.14	41
2	9035	25	8/31/93	1139	56	3,623,250	2,748,516	5,377,695	72,754	28,116	34,638	40,435	46,812	56,232	1.77	39
2	9035	75	8/31/93	1144	56	3,623,250	2,748,516	5,377,695	64,493	40,000	40,000	40,000	40,145	40,145	1.89	39
2	9035	200	8/31/93	1157	56	3,623,250	2,748,516	5,377,695	56,232	30,435	36,667	42,029	47,826	58,377	1.73	39
2	9035	225	8/31/93	1200	56	3,623,250	2,748,516	5,377,695	55,942	38,986	39,131	39,131	39,276	39,276	1.38	39
2	9035	250	8/31/93	1202	56	3,623,250	2,748,516	5,377,695	53,189	32,899	37,391	41,015	44,783	49,855	1.95	39
2	9035	300	8/31/93	1207	56	3,623,250	2,748,516	5,377,695	53,769	44,493	45,508	46,232	46,957	47,826	1.93	39
2	9035	400	8/31/93	1216	56	3,623,250	2,748,516	5,377,695	61,885	46,522	52,029	56,667	61,450	67,682	0.8	39
4	1001	25	2/25/92	1040	59.8	1,781,769	1,475,202	1,090,301	9,999	9,855	28,551	72,609	205,075	893,783	1.12	82
4	1001	50	2/25/92	1046	60	1,596,114	1,327,589	972,204	9,999	8,895	26,812	71,305	207,249	914,798	1.84	82
4	1001	75	2/25/92	1048	60.1	1,846,842	1,539,678	1,127,517	9,999	8,840	26,956	70,725	204,206	893,493	0.94	82
4	1001	100	2/25/92	1051	60.2	1,598,577	1,335,776	978,199	9,999	9,420	28,696	75,073	217,250	960,161	1.4	82
4	1001	175	2/25/92	1059	60.5	1,606,259	1,351,498	999,712	9,999	7,536	23,188	61,015	178,234	772,187	1.13	82
4	1001	250	2/25/92	1107	60.8	1,638,433	1,388,125	1,016,534	9,999	6,956	20,000	51,015	143,770	619,285	1.87	82
4	1001	275	2/25/92	1110	61	1,515,098	1,289,557	944,352	9,999	8,405	25,652	68,117	198,264	875,522	1.41	82
4	1001	350	2/25/92	1118	61.3	1,543,504	1,322,841	968,726	9,999	7,391	21,739	55,942	158,698	689,866	0.42	82
4	1001	425	2/25/92	1127	61.6	1,111,902	959,548	702,684	9,999	27,826	27,826	27,971	27,971	27,971	0.58	82
4	1001	450	2/25/92	1129	61.7	1,343,211	1,161,834	950,820	9,999	20,000	24,638	29,420	35,362	45,508	0.69	82
4	1002	100	2/28/92	1016	48.9	108,117	89,646	81,533	9,999	7,826	36,522	125,364	446,819	2,251,052	1.32	61
4	1002	200	2/28/92	1027	49.1	229,569	148,563	173,920	9,999	10,290	44,058	145,944	513,197	2,765,264	0.9	61
4	1002	425	2/28/92	1051	49.5	1,398,574	913,451	1,069,359	9,999	13,913	42,174	114,059	346,382	1,707,130	0.97	61
4	1003	25	3/14/89	845	67.9	1,775,972	1,771,887	1,309,999	4,347	80,581	80,870	81,305	81,740	82,465	1.94	81
4	1003	25	3/14/89	845	67.94	1,775,972	1,773,520	1,311,206	4,347	80,581	80,870	81,305	81,740	82,465	1.94	81
4	1003	125	3/14/89	856	68.07	1,469,880	1,472,251	1,084,471	4							

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_PSI	1_MPT_Ps	E2_PSI	E3_PSI	E4_PSI	E5_PSI	E6_PSI	E7_PSI	ERROR	MAPT
4	1003	475	3/14/89	936	68.55	1,447,270	1,465,716	1,083,639	4,347	82,755	82,899	82,899	83,044	83,189	1.72	81
4	1003	0	2/26/92	1314	71.2	1,812,204	1,950,775	1,442,255	4,347	24,348	32,029	41,305	55,073	82,899	0.02	81
4	1003	0	2/26/92	1314	71.26	1,812,204	1,953,472	1,444,249	4,347	24,348	32,029	41,305	55,073	82,899	0.02	81
4	1003	25	2/26/92	1319	71.4	1,111,178	1,201,665	888,420	144,930	21,304	28,812	32,484	39,855	52,754	0.2	81
4	1003	25	2/26/92	1319	71.41	1,111,178	1,201,942	888,625	144,930	21,304	28,812	32,484	39,855	52,754	0.2	81
4	1003	50	2/26/92	1322	71.5	1,799,885	1,950,944	1,442,380	4,347	20,724	31,739	50,580	87,827	190,872	0.23	81
4	1003	50	2/26/92	1322	71.5	1,799,885	1,950,944	1,442,380	4,347	20,724	31,739	50,580	87,827	190,872	0.23	81
4	1003	75	2/26/92	1324	71.5	1,553,939	1,684,356	1,245,285	83,334	13,768	23,913	39,276	67,827	147,103	0.24	81
4	1003	75	2/26/92	1324	71.55	1,553,939	1,686,297	1,248,720	83,334	13,768	23,913	39,276	67,827	147,103	0.24	81
4	1003	100	2/26/92	1327	71.6	1,745,971	1,898,868	1,402,400	4,347	26,667	31,739	38,261	47,681	65,363	1.81	81
4	1003	100	2/26/92	1327	71.64	1,745,971	1,898,816	1,403,893	4,347	26,667	31,739	38,261	47,681	65,363	1.81	81
4	1003	125	2/26/92	1329	71.7	1,714,811	1,867,310	1,380,547	45,942	13,043	21,304	32,899	53,479	106,233	0.14	81
4	1003	125	2/26/92	1329	71.7	1,714,811	1,867,310	1,380,547	45,942	13,043	21,304	32,899	53,479	106,233	0.14	81
4	1003	175	2/26/92	1335	71.8	1,738,580	1,897,556	1,402,909	4,347	20,724	28,261	39,131	57,247	98,842	0.06	81
4	1003	175	2/26/92	1335	71.88	1,738,580	1,901,055	1,405,498	4,347	20,724	28,261	39,131	57,247	98,842	0.06	81
4	1003	200	2/26/92	1339	71.9	1,762,493	1,928,091	1,425,484	7,101	41,594	41,594	41,739	41,739	41,739	1.33	81
4	1003	200	2/26/92	1339	71.99	1,762,493	1,932,091	1,428,441	7,101	41,594	41,594	41,739	41,739	41,739	1.33	81
4	1003	225	2/26/92	1341	72.05	1,930,177	2,118,835	1,566,506	12,319	21,594	29,855	40,145	55,798	88,552	0.47	81
4	1003	225	2/26/92	1341	72	1,930,177	2,116,397	1,564,704	12,319	21,594	29,855	40,145	55,798	88,552	0.47	81
4	1003	250	2/26/92	1344	72.14	1,988,294	2,187,190	1,617,021	58,696	32,899	38,406	43,913	50,725	61,740	0.04	81
4	1003	250	2/26/92	1344	72.1	1,988,294	2,185,147	1,615,532	58,696	32,899	38,406	43,913	50,725	61,740	0.04	81
4	1003	275	2/26/92	1346	72.2	612,039	674,185	498,441	13,768	30,435	33,913	37,102	40,870	46,377	0.15	81
4	1003	275	2/26/92	1346	72.2	612,039	674,185	498,441	13,768	30,435	33,913	37,102	40,870	46,377	0.15	81
4	1003	300	2/26/92	1350	72.31	1,526,982	1,686,296	1,246,720	11,739	26,812	35,217	45,363	59,856	87,972	0.4	81
4	1003	300	2/26/92	1350	72.3	1,526,982	1,685,908	1,246,433	11,739	26,812	35,217	45,363	59,856	87,972	0.4	81
4	1003	325	2/26/92	1353	72.4	1,692,782	1,873,273	1,384,956	4,347	26,812	36,522	50,000	71,885	121,596	1.11	81
4	1003	325	2/26/92	1353	72.4	1,692,782	1,873,273	1,384,956	4,347	26,812	36,522	50,000	71,885	121,596	1.11	81
4	1003	375	2/26/92	1403	72.6	1,571,765	1,747,381	1,291,881	21,159	18,522	25,362	37,391	57,827	106,378	0.16	81
4	1003	375	2/26/92	1403	72.69	1,571,765	1,751,006	1,294,561	21,159	18,522	25,362	37,391	57,827	106,378	0.16	81
4	1003	400	2/26/92	1406	72.7	1,870,901	2,084,735	1,541,295	4,347	23,188	33,623	48,696	74,783	138,842	0.49	81
4	1003	400	2/26/92	1406	72.78	1,870,901	2,088,578	1,544,137	4,347	23,188	33,623	48,696	74,783	138,842	0.49	81
4	1003	450	2/26/92	1412	72.9	1,763,218	1,973,813	1,459,288	8,550	26,667	33,768	41,884	53,044	73,914	0.48	81
4	1003	450	2/26/92	1412	72.96	1,763,218	1,976,547	1,461,305	8,550	26,667	33,768	41,884	53,044	73,914	0.48	81
4	1003	475	2/26/92	1416	73.07	1,958,873	2,201,438	1,527,576	4,347	15,942	29,130	54,783	115,654	357,687	0.17	81
4	1003	475	2/26/92	1416	73	1,958,873	2,197,892	1,524,955	4,347	15,942	29,130	54,783	115,654	357,687	0.17	81
4	1003	500	2/26/92	1420	73.19	914,653	1,030,757	762,063	4,347	36,522	37,391	38,261	39,276	40,725	0.6	81
4	1003	500	2/26/92	1420	73.1	914,653	1,028,623	760,486	4,347	36,522	37,391	38,261	39,276	40,725	0.6	81
4	1003	25	5/25/93	1240	99.9	1,140,599	2,377,568	1,757,794	4,347	13,188	30,145	70,001	186,959	783,781	0.93	81
4	1003	25	5/25/93	1240	99.99	1,140,599	2,382,500	1,761,440	4,347	13,188	30,145	70,001	186,959	783,781	0.93	81
4	1003	50	5/25/93	1248	100.7	745,374	1,582,613	1,170,064	4,347	38,261	44,203	50,725	58,841	72,320	0.37	81
4	1003	75	5/25/93	1251	100.9	686,388	1,464,097	1,082,442	144,930	10,869	24,203	49,276	108,552	340,150	1.23	81
4	1003	100	5/25/93	1254	101.2	454,500	976,189	721,720	144,930	13,333	22,029	33,333	51,740	93,479	0.75	81
4	1003	125	5/25/93	1257	101.4	1,144,947	2,470,502	1,826,502	4,347	16,377	26,232	42,464	74,494	167,973	0.09	81
4	1003	150	5/25/93	1300	101.7	799,433	1,736,930	1,284,156	114,349	7,971	21,449	52,319	140,292	562,473	0.43	81
4	1003	200	5/25/93	1308	102.4	707,258	1,561,629	1,154,550	144,930	10,290	22,754	44,638	92,765	254,207	1.94	81
4	1003	225	5/25/93	1311	102.7	988,422	2,197,569	1,824,716	29,710	14,782	28,087	43,913	77,972	173,628	0.36	81
4	1003	275	5/25/93	1317	103.2	588,270	1,323,053	978,165	4,347	38,116	43,623	49,710	57,392	69,856	0.15	81
4	1003	300	5/25/93	1319	103.4	862,043	1,947,732	1,440,005	4,927	27,101	38,406	53,913	78,552	133,045	0.66	81
4	1003	325	5/25/93	1322	103.6	773,346	1,755,391	1,297,803	4,347	30,290	41,449	57,247	82,755	139,422	0.16	81
4	1003	350	5/25/93	1325	103.9	693,779	1,585,702	1,172,348	83,914	9,275	22,754	51,160	125,219	438,123	0.34	81
4	1003	375	5/25/93	1327	104.1	530,153	1,217,312	899,988	144,930	11,594	23,333	42,609	81,015	191,162	0.33	81
4	1003	400	5/25/93	1330	104.4	702,765	1,624,839	1,201,283	143,915	9,420	24,203	55,363	136,958	479,428	0.34	81
4	1003	425	5/25/93	1332	104.5	568,719	1,320,285	976,104	144,930	14,927	23,623	34,493	51,595	88,987	1.64	81
4	1003	450	5/25/93	1335	104.8	570,879	1,332,122	984,870	144,930	13,043	24,058	39,855	68,696	143,460	0.39	81
4	1003	475	5/25/93	1338	105	667,692	1,568,832	1,159,875	144,930	10,000	24,493	52,809	121,596	390,296	1.03	81
4	1003	500	5/25/93	1346	105.2	607,981	1,451,744	1,043,310	4,637	24,203	30,725	38,551	49,421	69,711	0.12	81
4	1006	25	2/26/92	951	64.9	1,611,186	1,500,188	1,096,750	3,478	45,218	45,218	45,363	45,363	45,363	1.39	82
4	1006	50	2/26/92	954	65.1	1,277,268	1,194,763	873,461	7,536	28,261	32,029	35,797	40,145	47,102	0.33	82
4	1006	75	2/26/92	957	65.3	1,442,633	1,355,676	991,100	5,072	42,029	42,029	42,029	42,174	42,174	1.88	82
4	1006	100	2/26/92	959	65.4	1,193,788	1,124,416	822,032	4,202	35,217	35,507	35,552	35,942	36,232	1.54	82
4	1006	125	2/26/92	1002	65.6	1,426,545	1,349,850	986,842	4,492	40,580	41,305	41,694	42,609	43,479	0.87	82
4	1006	175	2/26/92	1007	65.8	285,512	271,409	199,420	40,000	13,333	18,551	23,913	31,015	43,334	0.33	82
4	1006	200	2/26/92	1010	66	1,472,923	1,406,631	1,028,352	4,202	48,696	48,696	48,841	48,841	48,856	0.96	82
4	1006	225	2/26/92	1013	66.2	969,726	930,356	680,160	4,058	35,073	35,362	35,652	35,942	36,377	0.23	82
4	1006	275	2/26/92	1018	66.5	1,642,346	1,586,590	1,159,916	3,188	40,725	42,609	44,493	46,667	49,855	1.14	82
4	1006	300	2/26/92	1021	66.6	1,714,521	1,660,133	1,213,681	70,291	41,739	46,087	50,145	54,638	61,015	0.44	82
4	1006	325	2/26/92	1023	68.7	1,778,870	1,726,411	1,262,138	4,637	74,638	74,638	74,783	74,783	74,928	1.54	82
4	1006	375	2/26/92	1031	67.2	1,593,505	1,564,420	1,143,708	7,681	38						

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
4	1007	50	9/20/91	1131	95.3	327,541	614,139	446,995	8,940	34,328	35,942	36,812	37,826	38,841	0.59	82
4	1007	75	9/20/91	1133	95.5	407,688	787,941	558,838	8,116	38,696	38,696	38,841	38,841	38,986	0.93	82
4	1007	100	9/20/91	1137	95.7	356,237	674,124	490,654	9,565	29,710	33,333	36,667	40,290	45,218	0.07	82
4	1007	125	9/20/91	1140	95.9	270,584	514,401	374,402	17,246	20,000	27,971	36,377	47,247	65,363	0.24	82
4	1007	150	9/20/91	1142	96.1	243,047	454,185	337,852	10,145	28,261	31,884	35,217	38,841	43,768	0.36	82
4	1007	175	9/20/91	1145	96.3	280,584	538,348	391,831	8,695	34,348	34,783	35,073	35,362	35,797	1.55	82
4	1007	200	9/20/91	1148	96.5	302,179	582,457	423,936	8,695	29,275	29,855	30,290	30,725	31,159	0.01	82
4	1007	225	9/20/91	1151	96.7	131,451	254,545	185,268	10,434	23,913	26,087	27,826	29,710	32,174	0.07	82
4	1007	250	9/20/91	1153	96.8	141,016	273,697	199,208	16,087	21,159	25,652	29,710	34,348	41,015	0.54	82
4	1007	275	9/20/91	1156	97	245,221	478,143	348,012	15,942	23,768	27,971	32,029	36,377	42,754	0.49	82
4	1007	300	9/20/91	1201	97.3	293,918	577,067	406,012	10,000	26,087	29,275	32,319	35,652	40,145	0.75	82
4	1007	325	9/20/91	1212	98.1	279,589	559,101	406,936	13,333	40,870	40,870	41,015	41,015	41,160	0.01	82
4	1007	350	9/20/91	1215	98.3	178,988	359,604	261,734	15,217	21,739	26,275	37,102	46,667	62,174	0.11	82
4	1007	375	9/20/91	1218	98.5	303,336	612,248	445,618	11,304	26,522	31,015	35,073	39,710	46,377	0.11	82
4	1007	400	9/20/91	1220	98.6	186,814	377,929	275,072	15,942	21,449	25,797	29,710	34,203	40,725	1.56	82
4	1007	425	9/20/91	1224	98.9	202,032	411,548	299,541	14,348	24,058	30,145	36,087	43,189	53,624	0.84	82
4	1007	450	9/20/91	1226	99	178,988	365,447	265,987	14,058	25,362	31,449	37,391	44,058	54,203	1.41	82
4	1016	0	1/17/91	1137	51.4	1,505,677	1,027,382	909,579	4,927	21,449	26,087	31,015	37,681	49,276	1.2	73
4	1016	25	1/17/91	1143	51.8	1,453,647	1,001,657	888,273	13,768	24,927	26,812	28,551	30,580	33,478	0.47	73
4	1016	51	1/17/91	1145	51.9	1,027,553	709,258	627,932	261,743	5,072	15,362	39,276	109,856	463,486	0.25	73
4	1016	75	1/17/91	1147	52	1,379,008	954,041	844,647	3,043	48,261	48,261	48,261	48,406	48,406	0.96	73
4	1016	100	1/17/91	1150	52.2	1,535,823	1,067,434	945,039	5,217	38,261	39,131	39,855	40,725	42,029	1.53	73
4	1016	125	1/17/91	1152	52.3	1,335,819	930,597	823,885	8,405	43,623	43,788	43,788	43,913	43,913	1.65	73
4	1016	175	1/17/91	1157	52.6	1,339,732	939,782	832,006	4,492	39,565	40,580	41,449	42,319	43,623	0.97	73
4	1016	200	1/17/91	1159	52.8	799,888	563,681	499,030	4,637	44,783	45,073	45,218	45,508	45,942	0.72	73
4	1016	225	1/17/91	1202	52.9	1,480,315	1,045,572	925,683	5,217	65,943	66,377	66,812	67,247	67,682	1.18	73
4	1016	250	1/17/91	1204	53.1	1,257,557	892,334	790,017	11,844	59,406	68,551	68,551	68,696	68,841	1.26	73
4	1016	300	1/17/91	1209	53.4	1,541,475	1,101,378	975,091	8,116	31,159	39,855	49,555	63,624	89,262	0.22	73
4	1016	325	1/17/91	1212	53.5	1,163,063	932,920	737,414	7,246	68,262	68,406	68,406	68,551	68,696	1.56	73
4	1016	400	1/17/91	1219	54	1,451,908	1,051,814	931,210	12,608	43,479	50,145	56,812	64,928	77,247	0.56	73
4	1016	425	1/17/91	1221	54.1	1,333,935	968,578	857,518	12,463	38,116	42,754	47,247	52,609	60,580	0.37	73
4	1016	475	1/17/91	1225	54.3	1,526,692	1,113,657	985,961	9,811	71,015	71,160	71,160	71,305	71,450	1.32	73
4	1016	500	1/17/91	1228	54.5	1,587,708	1,163,511	1,030,099	8,965	48,696	57,247	66,233	77,537	95,798	0.03	73
4	1016	0	9/30/91	1205	88.9	402,325	650,995	576,350	45,218	11,014	19,275	30,870	50,435	95,508	0.18	73
4	1016	25	9/30/91	1213	89.7	428,268	705,855	624,919	21,884	21,304	21,927	28,261	32,174	37,971	0.14	73
4	1016	50	9/30/91	1215	89.9	568,850	941,885	833,885	3,333	32,319	32,319	32,464	32,464	32,464	0.74	73
4	1016	75	9/30/91	1218	90.2	500,153	833,879	738,264	12,029	14,637	23,333	34,928	53,624	93,914	0.46	73
4	1016	100	9/30/91	1220	90.4	632,819	1,059,801	938,104	11,739	24,493	29,565	34,928	41,305	51,450	0.24	73
4	1016	125	9/30/91	1223	90.8	476,095	804,810	712,528	10,434	30,725	37,536	44,493	52,899	66,233	0.05	73
4	1016	150	9/30/91	1225	91	497,979	845,690	748,720	5,072	49,276	49,566	49,855	50,145	50,580	0.55	73
4	1016	175	9/30/91	1228	91.3	417,108	713,261	631,477	30,435	14,348	22,809	33,523	50,870	86,523	0.15	73
4	1016	200	9/30/91	1231	91.5	384,789	662,556	586,585	11,449	26,812	34,058	42,319	52,899	69,566	0.21	73
4	1016	225	9/30/91	1236	92.1	382,760	666,694	590,248	67,682	17,536	34,493	59,566	104,494	218,844	0.25	73
4	1016	250	9/30/91	1241	92.7	430,876	760,944	673,692	12,463	66,377	71,160	75,363	80,001	86,233	0.28	73
4	1016	275	9/30/91	1244	93	426,094	757,714	670,832	45,087	17,826	33,188	55,653	94,929	189,133	0.06	73
4	1016	300	9/30/91	1247	93.3	489,138	875,854	775,426	5,072	88,407	88,552	88,552	88,697	88,842	0.96	73
4	1016	350	9/30/91	1252	93.9	238,090	428,826	379,479	26,377	27,826	38,116	48,986	62,609	85,363	0.45	73
4	1016	375	9/30/91	1257	94.4	514,646	945,167	835,792	3,768	74,349	74,349	74,494	74,638	74,638	1.81	73
4	1016	400	9/30/91	1301	94.8	557,545	1,033,428	914,932	7,681	94,204	96,233	98,117	100,146	102,755	1.01	73
4	1016	425	9/30/91	1303	95	365,078	679,808	601,859	53,913	23,478	41,305	65,073	103,190	186,669	0.54	73
4	1016	450	9/30/91	1312	96	410,006	781,252	691,671	14,837	55,218	55,363	55,363	55,508	55,508	1.05	73
4	1016	475	9/30/91	1315	96.3	451,601	866,474	767,121	15,652	42,029	57,682	75,798	100,146	142,468	0.43	73
4	1016	0	9/17/92	1202	96.2	420,876	805,665	713,285	11,159	12,174	19,710	29,855	46,377	82,755	0.4	73
4	1016	25	9/17/92	1205	96.3	341,020	654,304	579,280	38,841	14,058	19,710	26,087	34,638	50,000	0.33	73
4	1016	50	9/17/92	1210	96.6	511,168	987,560	874,323	10,869	8,840	15,36	24,927	41,884	84,639	0.29	73
4	1016	75	9/17/92	1213	96.7	464,645	899,749	796,581	15,507	10,434	21,44	40,580	80,435	199,858	0.34	73
4	1016	100	9/17/92	1216	96.9	629,575	1,224,751	1,084,318	5,362	27,101	30,870	34,783	39,276	46,087	0.07	73
4	1016	125	9/17/92	1219	97	533,487	1,040,217	920,942	3,623	51,160	51,884	52,609	53,334	54,348	0.3	73
4	1016	150	9/17/92	1221	97.1	370,875	724,817	641,707	19,710	16,377	25,362	37,102	54,928	90,581	0.76	73
4	1016	175	9/17/92	1224	97.3	380,876	747,796	662,052	21,159	13,043	20,580	30,290	45,218	75,943	0.26	73
4	1016	200	9/17/92	1228	97.4	352,324	693,335	613,835	15,797	19,130	29,420	43,768	68,088	111,016	0.8	73
4	1016	225	9/17/92	1231	97.6	373,629	738,654	653,957	39,131	17,681	31,449	50,435	82,175	155,799	0.85	73
4	1016	250	9/17/92	1233	97.7	409,572	811,578	718,520	10,000	69,131	73,044	76,523	80,436	85,508	0.35	73
4	1016	275	9/17/92	1236	97.8	458,558	910,740	806,312	17,391	18,406	30,290	48,551	79,566	149,712	1.06	73
4	1016	300	9/17/92	1239	98	438,123	874,171	773,935	7,101	54,203	57,827	61,305	65,363	70,580	0.19	73
4	1016	325	9/17/92	1246	98.3	412,470	828,692	733,671	16,811	28,696	45,073	67,247	101,161	170,002	0.42	73
4	1016	350	9/17/92	1249	98.5	205,945	415,673	368,011	30,870	17,971	32,319	52,174	83,914	151,886	0.24	73
4	1016	375	9/17/92	1252	98.6	486,239	943,212	835,060	10,869	15,217	29,855	54,783	104,349	244,496	0.27	73
4	1016	400	9/17/92	1255	98.8	470,442	956,107	848,477	26,812	23,188	42,609	71,885	123,480	248,120	0.7	73
4	1016	425	9/17/92	1258	98.9	498,269										

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
4	1017	50	10/1/91	1104	86	101,740	153,991	137,506	20,290	23,768	23,913	23,913	23,913	24,058	1.61	73
4	1017	75	10/1/91	1107	86.3	135,074	205,861	183,824	26,377	23,768	23,768	23,768	23,913	23,913	1.35	73
4	1017	225	10/1/91	1129	88.2	92,610	147,454	131,670	13,043	23,188	23,333	23,333	23,333	23,333	0.5	73
4	1017	275	10/1/91	1134	88.7	138,408	222,926	199,062	17,536	27,246	27,246	27,246	27,391	27,391	1.7	73
4	1017	300	10/1/91	1137	88.9	113,190	183,151	163,545	18,116	26,522	28,406	29,855	31,449	33,623	0.14	73
4	1017	350	10/1/91	1152	90.3	82,465	137,806	123,055	25,797	31,015	31,304	31,449	31,739	31,884	0.96	73
4	1017	375	10/1/91	1155	90.5	111,306	186,861	166,858	15,507	37,536	37,536	37,681	37,681	37,681	1.3	73
4	1017	476	10/1/91	1208	91.7	88,552	152,828	136,497	20,580	25,942	25,942	26,087	26,087	26,087	1.65	73
4	1017	0	9/16/92	1339	105.8	98,987	236,362	211,090	14,058	17,101	18,406	19,565	20,724	22,318	0.11	73
4	1017	26	9/16/92	1343	105.9	92,175	220,605	196,989	17,826	20,580	20,724	20,869	21,014	21,159	0.31	73
4	1017	75	9/16/92	1349	106.1	97,392	234,168	209,101	19,275	22,609	22,609	22,609	22,754	22,754	1.21	73
4	1017	150	9/16/92	1357	106.3	89,276	215,644	192,560	16,811	24,348	24,348	24,348	24,348	24,493	1.62	73
4	1017	200	9/16/92	1402	106.4	103,624	250,879	224,023	16,087	24,493	24,638	24,638	24,638	24,638	1.72	73
4	1017	326	9/16/92	1418	106.8	98,842	241,514	215,660	18,985	32,899	32,899	33,044	33,044	33,044	1.53	73
4	1017	400	9/16/92	1426	106.9	104,059	254,848	227,568	13,478	38,551	38,696	38,696	38,696	38,841	1.81	73
4	1017	475	9/16/92	1434	107.1	106,813	262,800	234,668	16,811	29,420	29,420	29,420	29,565	29,565	1.99	73
4	1018	0	9/27/91	1135	90.8	147,393	249,160	218,450	12,174	37,391	37,391	37,536	37,536	37,536	0.44	74
4	1018	25	9/27/91	1137	90.9	128,283	217,320	190,535	15,072	19,565	29,710	41,015	56,377	83,624	1.35	74
4	1018	50	9/27/91	1142	91.3	147,683	252,541	221,414	7,661	41,449	42,609	43,623	44,638	45,797	1.62	74
4	1018	75	9/27/91	1144	91.4	110,871	190,028	166,607	10,434	26,261	32,754	36,957	41,305	47,392	0.43	74
4	1018	125	9/27/91	1150	91.7	117,828	203,352	178,288	8,116	22,319	28,551	34,783	42,319	53,624	0.22	74
4	1018	175	9/27/91	1155	92.1	106,233	185,038	162,232	10,724	19,710	27,246	35,073	45,073	61,180	0.01	74
4	1018	200	9/27/91	1202	92.5	115,074	202,292	177,358	6,956	31,739	35,217	38,261	41,594	45,942	0.09	74
4	1018	251	9/27/91	1210	93	160,872	286,075	250,816	8,261	22,464	29,710	37,247	46,667	61,740	0.1	74
4	1018	275	9/27/91	1213	93.2	166,234	296,976	260,373	7,246	25,217	30,870	36,377	42,899	52,464	0.02	74
4	1018	375	9/27/91	1224	93.8	134,495	243,616	213,589	3,913	33,913	35,797	37,536	39,131	41,449	0.6	74
4	1018	425	9/27/91	1229	94.2	204,786	374,369	327,227	4,202	39,710	39,710	39,855	39,855	39,855	0.96	74
4	1018	450	9/27/91	1235	94.5	140,871	259,313	227,352	5,362	36,087	37,391	38,551	39,710	41,160	0.18	74
4	1021	0	4/15/91	1437	84.9	255,801	377,487	357,094	18,406	19,420	25,362	31,304	38,406	49,276	0.1	70
4	1021	25	4/15/91	1442	84.6	323,193	473,656	448,067	15,217	18,695	24,493	30,290	37,102	47,537	0.1	70
4	1021	50	4/15/91	1444	84.5	294,787	431,031	407,745	9,130	20,869	23,768	28,522	29,420	33,333	0.03	70
4	1021	75	4/15/91	1447	84.4	289,280	422,006	399,207	14,927	16,956	23,333	29,710	37,536	50,000	0.23	70
4	1021	100	4/15/91	1449	84.3	150,872	219,588	207,725	20,580	15,072	22,029	29,420	38,551	54,058	1.81	70
4	1021	125	4/15/91	1452	84.1	165,510	239,786	226,832	18,695	14,348	21,594	29,275	38,986	55,798	0.22	70
4	1021	150	4/15/91	1454	84	205,510	297,053	281,005	12,174	16,232	22,029	27,681	34,493	45,218	0.34	70
4	1021	175	4/15/91	1456	83.9	231,453	333,782	315,750	17,101	16,522	22,319	28,261	35,217	46,232	0.59	70
4	1021	200	4/15/91	1459	83.8	373,194	536,952	507,943	12,608	16,522	23,913	31,884	42,029	59,276	0.02	70
4	1021	225	4/15/91	1501	83.6	188,898	270,252	255,852	15,507	19,275	23,913	27,971	32,609	39,710	0.32	70
4	1021	250	4/15/91	1504	83.5	316,701	455,390	430,788	17,826	17,246	23,623	30,145	37,971	50,435	0.06	70
4	1021	275	4/15/91	1506	83.4	304,497	434,094	410,643	19,710	16,377	23,043	29,855	38,406	52,174	0.35	70
4	1021	300	4/15/91	1509	83.2	353,194	501,203	474,126	14,348	19,855	26,956	34,058	42,754	56,867	0.51	70
4	1021	325	4/15/91	1511	83.1	398,557	564,275	533,791	10,579	23,913	28,406	32,609	37,247	43,768	0.48	70
4	1021	350	4/15/91	1514	83	290,004	409,642	387,512	16,956	21,304	27,536	33,623	40,725	51,305	0.28	70
4	1021	375	4/15/91	1516	82.9	374,644	527,981	499,458	11,449	22,029	27,246	32,174	37,971	46,232	0.25	70
4	1021	400	4/15/91	1519	82.7	301,019	422,274	399,461	20,290	18,985	26,087	33,333	42,029	56,087	0.04	70
4	1021	425	4/15/91	1521	82.6	224,061	313,594	296,652	23,768	16,811	23,913	31,015	39,855	54,203	0.63	70
4	1021	450	4/15/91	1523	82.5	349,571	488,130	461,759	15,507	22,319	27,246	31,739	36,812	44,203	0.35	70
4	1021	475	4/15/91	1526	82.3	400,441	556,594	526,525	12,174	27,826	32,609	38,957	41,739	48,261	0.02	70
4	1021	500	4/15/91	1529	82.2	347,687	482,157	456,109	20,580	24,203	29,710	34,783	40,145	47,971	0.19	70
4	1021	0	9/17/91	1329	99.3	335,078	688,884	651,668	10,724	37,102	37,971	38,551	39,276	40,145	0.72	70
4	1021	26	9/17/91	1337	99.8	347,542	722,782	683,734	13,043	26,812	30,580	33,913	37,536	42,319	0.17	70
4	1021	50	9/17/91	1346	100.4	285,077	601,122	568,647	13,043	21,449	26,232	30,725	35,797	42,899	0.91	70
4	1021	75	9/17/91	1348	100.5	239,859	506,939	479,552	15,072	22,609	27,536	31,884	36,812	43,768	0.68	70
4	1021	100	9/17/91	1351	100.7	240,149	509,895	482,348	11,304	25,652	29,275	32,464	35,797	40,145	0.27	70
4	1021	125	9/17/91	1354	100.9	208,264	444,237	420,236	12,463	22,029	27,536	32,464	38,116	46,232	0.3	70
4	1021	150	9/17/91	1356	101	236,670	505,992	478,657	10,290	23,623	27,536	30,870	34,493	39,420	0.81	70
4	1021	175	9/17/91	1359	101.2	235,076	504,904	477,627	12,029	23,478	27,971	32,029	36,522	42,609	1.02	70
4	1021	200	9/17/91	1404	101.5	243,047	525,643	497,246	13,043	22,754	27,391	31,739	36,522	43,334	1.24	70
4	1021	250	9/17/91	1409	101.6	269,424	566,729	555,031	13,913	26,522	30,145	33,333	36,522	40,870	0.2	70
4	1021	275	9/17/91	1412	102	272,033	555,144	562,992	14,927	22,898	26,261	31,188	38,696	46,522	0.32	70
4	1021	300	9/17/91	1415	102.2	242,902	533,866	505,024	11,739	30,580	34,638	37,971	41,594	46,377	0.16	70
4	1021	325	9/17/91	1417	102.3	232,032	511,151	483,537	12,463	28,841	31,304	33,333	35,507	38,116	0.42	70
4	1021	350	9/17/91	1421	102.6	214,786	476,438	450,699	14,927	25,507	30,029	38,116	45,073	54,928	0.2	70
4	1021	375	9/17/91	1426	102.9	233,482	521,499	493,326	11,884	28,116	32,464	36,377	40,290	45,797	0.46	70
4	1021	400	9/17/91	1429	103.1	264,542	593,825	561,745	11,594	32,319	33,623	34,493	35,507	36,667	0.04	70
4	1021	425	9/17/91	1432	103.3	210,583	474,705	449,059	15,217	26,956	29,420	31,449	33,623	36,232	0.91	70
4	1021	450	9/17/91	1434	103.4	220,583	498,394	471,469	13,478	31,449	33,333	35,073	36,667	38,696	0.67	70
4	1021	475	9/17/91	1440	103.8	202,902	462,685	437,689	13,768	34,783	37,536	39,855	42,029	44,928	0.6	70
4	1021	500	9/17/91	1443	104	214,931	492,378	465,778	16,087	33,913	34,783	35,362	36,087	36,812	0.03	70
4	1022	0	9/18/91	1042	79.8	839,144	1,101,125	1,098,616	28,986	71,305						

STATE	SECTION	STATION	DATE	TIME	TEMP	E1 PSI	E1 68 PSI	1 MPT. PS	E2 PSI	E3 PSI	E4 PSI	E5 PSI	E6 PSI	E7 PSI	ERROR	MAPT
4	1024	75	2/28/92	1440	62.8	718,128	637,091	761,281	60,290	14,203	18,695	23,623	30,290	41,884	0.24	80
4	1024	100	2/28/92	1443	62.8	842,188	747,152	892,796	17,826	15,072	18,985	23,768	30,145	41,305	0.23	80
4	1024	125	2/28/92	1445	62.8	618,851	549,017	656,038	144,930	9,710	17,971	29,855	51,595	107,682	0.62	80
4	1024	150	2/28/92	1448	62.8	611,749	542,717	648,510	54,639	19,551	24,793	31,449	40,290	55,798	0.01	80
4	1024	175	2/28/92	1451	62.9	625,807	556,468	664,942	69,856	14,203	24,783	39,710	65,363	126,668	0.18	80
4	1024	200	2/28/92	1453	62.9	546,820	486,233	581,016	70,001	13,768	21,739	31,739	47,392	80,146	0.04	80
4	1024	225	2/28/92	1456	62.9	479,428	426,308	509,409	130,871	11,884	22,898	39,855	70,725	150,872	0.14	80
4	1024	250	2/28/92	1500	62.9	664,648	591,006	706,212	107,662	12,029	20,000	30,725	48,551	69,421	0.12	60
4	1024	275	2/28/92	1503	62.9	1,069,148	950,688	1,136,007	5,652	23,913	25,652	27,391	29,565	32,609	0.09	80
4	1024	301	2/28/92	1506	63	1,150,744	1,025,601	1,225,524	4,927	24,927	25,652	26,522	27,536	28,986	0.06	80
4	1024	325	2/28/92	1508	63	495,950	442,016	528,179	38,261	13,333	20,435	29,130	42,319	69,566	0.15	80
4	1024	350	2/28/92	1511	63	544,067	484,900	579,422	47,537	18,695	27,246	37,247	51,450	78,552	0.1	80
4	1024	375	2/28/92	1514	63	593,778	529,205	632,364	20,435	30,000	33,913	37,536	41,594	47,537	0.19	80
4	1024	400	2/28/92	1516	63	855,087	762,097	910,653	11,304	46,067	46,232	46,377	46,522	46,667	0.23	80
4	1024	425	2/28/92	1519	63	471,892	420,574	502,557	42,754	25,217	36,522	49,421	67,537	100,726	0.21	80
4	1024	450	2/28/92	1522	63.1	499,573	446,271	533,254	16,666	25,797	33,044	40,725	50,580	66,957	0.23	60
4	1024	475	2/28/92	1525	63.1	456,964	408,209	467,791	8,550	40,725	42,029	43,334	44,638	46,232	0.6	80
4	1024	500	2/28/92	1527	63.1	469,428	419,342	501,086	27,101	19,565	26,087	33,044	42,174	57,972	0	80
4	1025	0	9/19/91	1041	76.7	984,364	1,202,696	1,418,092	16,811	80,291	80,436	80,436	80,581	80,726	2	61
4	1025	100	9/19/91	1109	79	282,033	337,564	398,020	38,116	46,957	59,421	70,725	83,334	101,885	1.02	61
4	1025	200	9/19/91	1130	80.7	254,352	340,749	401,775	12,029	54,928	61,160	66,667	72,320	79,566	0.33	61
4	1025	250	9/19/91	1142	81.7	293,048	388,025	457,518	9,565	69,711	74,059	77,827	81,450	86,233	0.22	61
4	1025	275	9/19/91	1152	82.5	257,540	359,621	424,027	12,029	72,465	82,030	90,581	99,566	111,451	1.27	61
4	1025	300	9/19/91	1155	82.7	307,831	431,829	509,168	15,652	49,710	64,059	78,262	94,839	119,132	0.34	61
4	1025	325	9/19/91	1158	83	423,920	598,803	706,045	42,174	40,725	61,160	83,334	112,610	163,481	0.11	61
4	1025	375	9/19/91	1205	83.5	322,614	460,981	543,540	18,956	55,218	68,262	80,581	94,349	114,349	0.37	61
4	1025	400	9/19/91	1215	84.3	432,036	628,811	741,427	17,391	47,392	65,073	83,769	107,248	144,495	0.42	61
4	1025	425	9/19/91	1220	84.8	473,051	696,479	821,215	16,087	59,711	73,624	87,102	102,465	124,929	1.27	61
4	1025	450	9/19/91	1223	85	444,790	657,892	775,717	12,029	77,102	81,450	85,218	88,987	93,624	1.11	61
4	1025	500	9/19/91	1232	85.7	281,164	422,629	498,320	14,493	55,653	68,406	80,436	93,789	112,755	0.55	61
4	1036	0	4/16/91	1017	72.2	743,925	819,463	919,515	12,174	41,884	42,029	42,029	42,029	42,174	1.71	80
4	1036	25	4/16/91	1021	72.5	421,891	467,951	553,771	16,087	18,406	27,246	37,681	52,464	79,856	0.49	80
4	1036	75	4/16/91	1029	73.1	476,095	535,418	604,777	12,029	36,087	36,232	36,232	36,377	36,377	0.51	80
4	1036	100	4/16/91	1032	73.3	445,949	503,832	580,897	10,724	33,478	33,478	33,623	33,623	33,623	0.53	80
4	1036	175	4/16/91	1039	73.8	353,049	403,492	480,040	15,362	32,174	34,058	35,797	37,536	40,000	0.25	80
4	1036	200	4/16/91	1042	74.1	354,063	407,456	480,037	12,608	36,232	36,232	36,377	36,377	36,377	1.86	80
4	1036	250	4/16/91	1049	74.6	853,779	781,081	875,378	15,072	25,942	31,449	36,957	43,334	53,334	0.35	80
4	1036	275	4/16/91	1054	74.9	864,504	778,828	888,870	14,058	28,261	31,884	35,507	39,420	45,073	0.43	80
4	1036	325	4/16/91	1059	75.3	550,009	650,683	761,917	14,927	24,638	29,420	33,913	39,276	47,247	0.05	80
4	1036	375	4/16/91	1104	75.7	684,214	793,063	899,556	12,898	34,203	35,362	36,377	37,536	38,986	0.56	80
4	1036	400	4/16/91	1106	75.8	674,069	806,886	899,855	17,971	15,942	25,217	37,102	55,218	92,030	0.66	80
4	1036	425	4/16/91	1111	76.2	400,876	484,184	568,043	14,493	26,232	30,435	34,348	38,841	45,508	0.6	80
4	1036	475	4/16/91	1118	76.7	514,356	628,440	745,101	14,637	27,101	30,870	34,493	38,551	44,203	0.94	80
4	1036	500	4/16/91	1124	77.2	383,339	473,787	558,184	14,348	27,971	31,594	34,928	38,551	43,623	0.05	80
4	1036	0	9/16/91	1257	94	446,384	612,286	714,088	15,072	21,594	29,710	38,986	51,305	72,465	1.22	80
4	1036	25	9/16/91	1300	94.2	410,151	749,798	866,848	12,463	25,812	31,015	35,073	39,855	46,522	0.17	80
4	1036	75	9/16/91	1310	94.6	395,858	729,996	851,878	14,203	26,232	29,565	32,809	35,942	40,725	0.64	80
4	1036	100	9/16/91	1314	94.8	393,919	730,142	851,988	12,608	34,928	34,928	35,073	35,073	35,073	0.47	80
4	1036	125	9/16/91	1317	94.9	336,701	629,240	745,706	14,348	28,116	32,319	36,087	40,435	46,667	0.13	80
4	1036	150	9/16/91	1322	95.1	356,382	665,145	802,850	14,058	36,957	37,536	37,971	38,551	39,131	0.49	80
4	1036	200	9/16/91	1327	95.3	291,164	545,931	672,724	14,348	28,551	30,870	32,899	35,073	38,116	0.13	80
4	1036	225	9/16/91	1330	95.4	293,773	552,092	677,382	13,913	34,348	34,348	34,493	34,493	34,493	1.3	80
4	1036	250	9/16/91	1333	95.6	398,847	753,020	869,284	15,362	29,420	32,899	36,232	39,855	44,783	0.45	80
4	1036	275	9/16/91	1340	95.8	534,501	1,013,792	1,268,428	13,768	38,696	39,710	40,435	41,305	42,174	0.86	80
4	1036	300	9/16/91	1343	96	54,353	675,207	810,457	12,898	34,058	35,652	36,957	38,406	40,145	0.16	80
4	1036	350	9/16/91	1348	96.2	364,498	697,744	827,495	13,043	34,638	36,087	37,247	38,551	40,145	0.74	80
4	1036	375	9/16/91	1351	96.3	444,790	853,404	1,045,174	13,768	30,435	34,058	37,536	41,160	46,377	0.76	80
4	1036	400	9/16/91	1354	96.4	555,516	1,068,309	1,267,642	14,493	30,290	34,493	38,406	42,754	48,986	0.43	80
4	1036	450	9/16/91	1359	96.6	337,976	652,960	793,638	12,463	34,783	36,232	37,247	38,551	40,000	0.27	80
4	1036	475	9/16/91	1404	96.9	358,411	697,240	827,114	14,927	28,261	32,464	36,232	40,580	46,667	0.37	80
4	1036	500	9/16/91	1407	97	353,339	688,956	820,851	13,188	36,812	36,812	36,957	36,957	36,957	1.14	80
4	1037	0	3/3/92	949	58.1	1,293,065	1,029,486	1,198,984	11,594	24,058	24,493	24,927	25,217	25,797	0.39	84
4	1037	50	3/3/92	955	58.3	1,363,366	1,090,459	1,259,448	11,304	24,348	24,493	24,638	24,783	24,927	1	84
4	1037	75	3/3/92	958	58.4	1,210,600	970,511	1,075,911	13,768	19,130	20,145	21,159	22,174	23,478	0.41	84
4	1037	100	3/3/92	1001	58.4	1,266,833	1,015,592	1,159,307	11,594	23,623	23,913	24,058	24,203	24,348	0.95	84
4	1037	150	3/3/92	1006	58.6	1,426,401	1,148,792	1,280,075	10,290	22,174	22,464	22,609	22,754	23,043	0.69	84
4	1037	175	3/3/92	1008	58.6	1,470,314	1,184,159	1,324,706	9,565	21,159	21,159	21,304	21,304	21,304	0.95	84
4	1037	200	3/3/92	1011	58.7	2,096,557	1,692,414	1,978,679	10,290	20,000	20,145	20,290	20,435	20,580	1.07	84
4	1037	225	3/3/92	1014	58.8	1,722,058	1,393,310	1,570,368	8,985	17,391	17,971	18,406	18,840	19,565	0.47	84
4	1037	275	3/3/92	1019	59	1,562,200										

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
6	1253	375	6/10/91	1039	97.9	170.727	335.862	343.208	50.290	21.304	35.942	54.058	80.870	133.625	0.78	68
6	1253	400	6/10/91	1042	98.2	891.899	1,787.787	1,805.388	26.087	25.942	41.594	60.580	88.262	142.321	0.19	68
6	1253	425	6/10/91	1044	98.5	1,177.991	2,377.617	2,401.026	28.696	24.493	48.551	84.639	148.988	310.295	1.07	68
6	1253	450	6/10/91	1047	98.8	1,232.919	2,505.732	2,530.402	35.797	28.986	44.793	63.334	89.421	138.842	0.48	68
6	1253	475	6/10/91	1058	99.9	1,584.954	3,303.823	3,336.350	45.942	26.812	45.942	70.725	109.277	191.162	0.34	68
6	1253	500	6/10/91	1101	100.2	1,387.289	2,911.795	2,940.484	65.218	30.290	53.624	84.059	132.321	237.830	0.24	68
6	1253	0	7/14/93	908	99.4	1,093.351	2,252.993	2,275.175	50.145	48.261	135.364	311.889	726.823	2,193.225	1.51	68
6	1253	101	7/14/93	913	99.6	777.549	1,609.637	1,625.484	54.783	25.797	58.812	106.088	199.713	457.254	0.3	68
6	1253	200	7/14/93	919	99.9	1,534.808	3,199.294	3,230.793	43.768	30.435	77.972	168.698	371.020	1,043.206	0.04	68
6	1253	401	7/14/93	927	100.3	719.432	1,513.526	1,528.427	34.638	24.927	44.058	69.131	108.117	191.887	0.83	68
6	1253	500	7/14/93	934	100.6	2,115.543	4,481.484	4,525.606	74.638	22.464	64.638	154.640	388.412	1,386.544	1.18	68
6	8534	25	1/15/90	911	57.5	1,346.109	1,057.013	755.262	16.956	21.884	21.884	21.884	21.884	21.884	0.84	83
6	8534	50	1/15/90	915	57.7	1,254.079	989.293	706.874	18.985	21.449	22.609	23.913	25.072	26.956	0.52	83
6	8534	75	1/15/90	917	57.8	1,798.436	1,421.985	1,016.043	16.656	26.667	26.687	26.667	26.812	26.812	0.65	83
6	8534	100	1/15/90	920	58	1,526.112	1,212.234	866.171	19.130	16.811	21.159	25.797	31.884	42.174	0.12	83
6	8534	125	1/15/90	923	58.1	1,584.229	1,261.299	901.229	19.565	21.739	23.478	25.072	26.812	29.275	0.22	83
6	8534	150	1/15/90	929	58.5	1,572.055	1,263.187	902.579	22.754	8.405	16.377	30.145	58.986	154.350	1.18	83
6	8534	175	1/15/90	932	58.6	1,141.178	919.080	656.706	20.435	18.840	20.000	21.014	22.319	23.913	0.29	83
6	8534	200	1/15/90	934	58.7	1,088.714	878.848	627.958	22.609	13.623	16.811	20.000	23.913	30.580	0.19	83
6	8534	225	1/15/90	937	58.9	1,443.647	1,170.742	836.524	17.681	22.174	22.319	22.464	22.464	22.609	0.95	83
6	8534	250	1/15/90	940	59	1,478.141	1,201.478	858.466	18.595	23.188	23.333	23.478	23.478	23.623	0.25	83
6	8534	275	1/15/90	943	59.2	1,037.843	847.484	605.549	30.580	11.739	16.522	21.174	30.145	44.928	0.57	83
6	8534	300	1/15/90	945	59.3	1,517.706	1,242.189	887.575	13.188	6.666	10.000	14.637	22.319	41.594	1.84	83
6	8534	325	1/15/90	948	59.4	1,480.170	1,214.259	867.618	14.348	13.623	14.927	18.087	17.536	19.565	0.04	83
6	8534	350	1/15/90	951	59.6	1,155.816	952.552	680.622	13.768	13.913	14.493	15.072	15.622	16.522	0.57	83
6	8534	375	1/15/90	954	59.7	1,102.772	910.631	650.883	16.666	10.579	12.898	15.362	16.406	23.333	0.08	83
6	8534	400	1/15/90	957	59.9	844.072	700.454	500.491	17.536	10.145	12.463	14.762	17.681	22.464	0.06	83
6	8534	425	1/15/90	1003	60.2	167.684	140.117	100.117	30.725	8.261	12.174	16.666	23.043	35.507	1.57	83
6	8534	450	1/15/90	1006	60.3	162.901	136.434	97.485	32.464	8.550	12.319	16.377	22.029	32.899	1.27	83
6	8534	475	1/15/90	1009	60.5	1,477.416	1,243.090	888.219	15.362	5.652	12.319	26.232	62.609	233.047	1.02	83
6	8534	25	3/27/91	926	60.7	1,196.831	1,011.858	722.853	16.811	21.159	21.159	21.304	21.304	21.449	0.52	83
6	8534	75	3/27/91	931	60.8	1,008.712	854.809	610.839	15.797	24.927	24.927	24.927	24.927	25.072	1.26	83
6	8534	100	3/27/91	934	60.9	938.276	796.766	569.309	17.246	11.449	17.826	25.522	40.290	69.856	1.4	83
6	8534	125	3/27/91	937	61	1,049.003	882.846	637.961	15.362	20.724	22.754	24.638	26.812	29.855	0.42	83
6	8534	175	3/27/91	942	61.2	939.001	802.908	573.698	17.101	20.290	20.724	21.014	21.304	21.884	0.34	83
6	8534	200	3/27/91	944	61.3	881.754	755.696	539.964	19.275	11.159	14.927	19.130	24.927	34.928	1.12	83
6	8534	225	3/27/91	947	61.4	1,175.672	1,009.918	721.611	15.362	22.754	22.754	22.754	22.754	22.898	1.47	83
6	8534	250	3/27/91	952	61.6	1,055.815	911.145	651.036	25.362	5.797	18.551	52.754	158.843	675.228	1.31	83
6	8534	275	3/27/91	954	61.6	943.929	814.590	582.045	18.116	22.464	22.754	22.898	23.043	23.188	1.35	83
6	8534	300	3/27/91	957	61.8	1,008.422	874.264	624.683	12.608	16.232	16.232	16.232	16.232	16.232	0.71	83
6	8534	375	3/27/91	1007	62.1	865.232	755.322	539.697	12.463	15.652	15.652	15.652	15.797	15.797	1.53	83
6	8534	400	3/27/91	1010	62.2	687.837	601.846	430.034	11.304	15.942	15.942	15.942	16.087	16.087	1.65	83
6	8534	425	3/27/91	1013	62.3	645.228	565.885	404.325	12.029	14.637	14.637	14.762	14.762	14.762	0.99	83
6	8534	450	3/27/91	1016	62.4	648.561	570.100	407.350	15.362	11.014	12.608	14.058	15.797	18.406	0.2	83
6	8534	475	3/27/91	1018	62.5	792.477	698.211	498.889	12.319	13.768	14.927	15.942	17.101	18.840	0.44	83
6	8534	0	2/21/92	1413	98.7	1,361.472	2,760.634	1,972.541	38.551	8.895	16.666	28.986	51.450	110.291	0.52	83
6	8534	25	2/21/92	1417	98.8	1,748.290	3,553.150	2,538.814	30.435	13.188	18.261	24.058	32.174	47.247	0.22	83
6	8534	50	2/21/92	1420	98.8	1,853.509	3,766.333	2,691.610	29.130	15.072	20.145	25.652	33.333	46.812	0.02	83
6	8534	75	2/21/92	1423	98.9	1,862.350	3,784.961	2,704.449	32.609	12.753	18.840	26.522	37.826	60.580	0.4	83
6	8534	100	2/21/92	1425	98.8	1,890.032	3,841.220	2,744.647	34.928	9.275	17.826	31.449	57.392	127.973	0.45	83
6	8534	125	2/21/92	1428	98.9	1,952.786	3,977.908	2,842.315	29.565	13.478	19.275	26.377	38.522	66.377	0.26	83
6	8534	150	2/21/92	1431	98.9	1,927.569	3,926.538	2,805.610	33.478	9.565	16.522	26.522	43.768	84.928	0.72	83
6	8534	175	2/21/92	1434	98.9	1,674.956	3,411.955	2,437.927	34.348	11.014	16.377	23.188	33.188	53.334	0.52	83
6	8534	200	2/21/92	1437	99	2,046.701	4,178.828	2,985.876	24.638	16.811	19.130	21.594	24.348	28.698	0.23	83
6	8534	225	2/21/92	1439	99	2,042.353	4,160.000	2,978.000	21.159	22.609	22.898	23.043	23.188	23.478	0.56	83
6	8534	250	2/21/92	1442	99	1,347.997	3,160.604	2,258.331	36.377	8.405	16.811	30.580	57.247	131.886	0.61	83
6	8534	275	2/21/92	1445	99	1,736.896	3,545.878	2,533.818	30.145	13.043	18.406	24.638	33.478	50.145	0.18	83
6	8534	300	2/21/92	1451	99.1	1,513.359	3,097.005	2,212.887	26.377	8.840	12.753	17.536	24.493	36.406	0.19	83
6	8534	325	2/21/92	1454	99.1	2,033.657	4,161.768	2,973.687	23.913	7.971	12.029	17.101	25.217	42.609	0.32	83
6	8534	350	2/21/92	1456	99.1	1,612.491	3,299.873	2,357.842	24.493	7.101	11.014	16.666	26.087	51.160	0.39	83
6	8534	375	2/21/92	1459	99.2	1,535.533	3,149.627	2,250.487	29.565	5.797	11.304	20.000	36.667	85.073	0.28	83
6	8534	425	2/21/92	1505	99.2	1,539.736	3,158.248	2,256.647	19.420	12.753	14.927	17.101	19.855	24.203	0.03	83
6	8534	450	2/21/92	1508	99.3	1,900.322	3,906.854	2,791.544	19.420	15.652	16.522	17.246	18.116	19.130	0.56	83
6	8534	475	2/21/92	1511	99.3	1,637.564	3,366.652	2,405.557	24.927	7.826	11.884	16.956	25.072	42.319	0.09	83
6	8534	500	2/21/92	1514	99.3	1,776.841	3,652.992	2,810.154	15.942	15.797	16.232	16.522	16.956	17.391	0.29	83
6	8535	0	3/27/91	1258	64.8	1,332.486	1,237.835	897.452	15.217	22.609	22.609	22.609	22.609	22.754	1.52	82
6	8535	100	3/27/91	1317	65.3	1,215.962	1,142.668	819.224	16.811	23.188	23.188	23.188	23.188	23.188	1.17	82
6	8535	150	3/27/91	1322	65.4	1,213.933	1,143.391	819.742	28.261	11.304	16.087	22.174	31.449	50.870	0.08	82
6	8535	175	3/27/91													

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
6	8535	225	2/21/92	1035	70.1	1,956,120	2,053,031	1,471,896	28,841	17,681	20,290	23,188	26,812	32,754	0.34	82
6	8535	250	2/21/92	1038	70.3	2,151,051	2,268,040	1,626,047	25,507	16,666	19,565	22,754	26,812	33,478	0.07	82
6	8535	275	2/21/92	1041	70.5	2,057,571	2,179,488	1,562,562	33,768	14,927	18,261	21,739	26,522	34,493	0.05	82
6	8535	300	2/21/92	1044	70.8	2,269,458	2,420,596	1,735,420	21,884	24,348	24,348	24,493	24,493	24,638	1.09	82
6	8535	325	2/21/92	1047	71	2,427,722	2,601,351	1,865,011	19,565	22,754	23,478	24,348	25,217	26,667	0.35	82
6	8535	350	2/21/92	1049	71.1	1,928,438	2,071,122	1,484,869	28,986	15,942	18,551	21,304	24,783	30,580	0.19	82
6	8535	375	2/21/92	1054	71.5	1,830,176	1,983,777	1,422,247	42,609	10,145	15,072	21,739	32,464	55,942	0.07	82
6	8535	400	2/21/92	1057	71.7	2,219,313	2,416,676	1,732,610	23,188	23,188	23,768	24,348	25,072	26,087	0.26	82
6	8535	425	2/21/92	1101	72	2,265,545	2,484,121	1,780,994	25,217	17,101	20,000	23,333	27,881	34,638	0.16	82
6	8535	450	2/21/92	1103	72.1	2,117,572	2,327,224	1,666,478	23,188	21,304	22,174	23,043	24,058	25,362	0.36	82
6	8535	475	2/21/92	1106	72.4	2,099,890	2,323,789	1,666,015	30,145	16,811	19,275	21,884	25,072	30,145	0.09	82
6	8535	500	2/21/92	1109	72.6	1,953,801	2,172,102	1,557,285	32,899	16,377	18,985	21,739	25,217	30,870	0.02	82
8	1029	25	10/21/91	1144	61.5	408,992	352,139	546,990	17,826	13,913	13,913	14,058	14,058	14,058	1.43	49
8	1029	50	10/21/91	1149	62	864,652	753,080	1,169,784	13,333	19,130	19,130	19,130	19,130	19,130	1.02	49
8	1029	100	10/21/91	1154	62.6	356,817	315,098	489,452	12,319	18,551	18,551	18,551	18,551	18,695	1.02	49
8	1029	125	10/21/91	1157	62.9	607,401	540,102	838,958	15,217	14,348	14,637	14,762	15,072	15,362	0.57	49
8	1029	150	10/21/91	1202	63.4	710,157	638,784	992,244	15,362	13,188	13,188	13,188	13,188	13,188	1.11	49
8	1029	200	10/21/91	1208	64.1	335,368	306,584	476,196	19,130	12,463	12,463	12,463	12,463	12,808	2	49
8	1029	325	10/21/91	1227	66.1	441,166	422,282	655,944	16,377	16,377	16,377	16,377	16,377	16,377	1.99	49
8	1029	350	10/21/91	1229	66.3	472,906	454,752	706,382	17,536	16,377	16,377	16,377	16,377	16,377	1.68	49
8	1029	375	10/21/91	1232	66.6	544,067	526,808	818,308	17,826	15,217	15,217	15,217	15,217	15,362	1.84	49
8	1029	400	10/21/91	1235	67	776,969	759,283	1,179,419	14,058	14,782	14,927	15,217	15,362	15,652	0.27	49
8	1029	425	10/21/91	1237	67.2	549,864	539,828	838,532	17,971	16,522	16,522	16,522	16,522	16,522	1.41	49
8	1029	450	10/21/91	1240	67.5	503,631	497,866	773,352	20,290	14,058	14,058	14,058	14,058	14,058	1.51	49
8	1029	500	10/21/91	1249	68.5	535,081	541,277	840,783	18,985	14,348	14,493	14,493	14,493	14,493	1.99	49
8	1047	250	7/24/89	953	84.4	248,265	362,172	497,612	26,956	33,913	33,913	33,913	34,058	34,058	1.83	54
8	1047	425	7/24/89	1016	85.8	288,265	434,303	596,717	34,348	32,899	32,899	32,899	32,899	33,044	1.28	54
8	1047	450	7/24/89	1022	86.2	395,224	600,957	825,693	32,319	33,044	33,044	33,188	33,188	33,188	0.47	54
8	1047	475	7/24/89	1024	86.3	325,077	495,436	680,711	29,130	32,609	32,754	32,754	32,754	32,899	1.11	54
8	1047	500	7/24/89	1030	86.6	215,221	330,281	453,795	30,145	30,725	30,870	30,870	30,870	30,870	1.97	54
8	1047	25	10/22/91	1102	60.1	393,050	327,678	450,218	24,348	20,145	20,145	20,290	20,290	20,290	0.8	54
8	1047	50	10/22/91	1107	60.5	523,632	440,581	605,343	20,000	19,710	19,855	19,855	19,855	19,855	0.45	54
8	1047	100	10/22/91	1112	61	486,384	396,957	540,405	41,739	23,623	23,623	23,623	23,623	23,623	1.72	54
8	1047	125	10/22/91	1115	61.3	457,833	392,380	539,117	32,464	23,478	23,478	23,623	23,623	23,623	1.1	54
8	1047	175	10/22/91	1120	61.8	619,285	538,897	737,677	38,551	21,884	22,319	22,754	23,188	23,623	0.02	54
8	1047	250	10/22/91	1131	62.8	548,415	485,529	668,474	34,493	22,898	22,898	22,898	22,898	22,898	1.14	54
8	1047	399	10/22/91	1151	64.7	559,429	518,496	712,395	34,058	20,869	21,159	21,304	21,449	21,739	0.23	54
8	1047	425	10/22/91	1154	65	926,102	864,289	1,187,502	34,828	21,304	21,739	22,029	22,319	22,754	0.04	54
8	1047	450	10/22/91	1157	65.3	799,433	751,246	1,032,185	43,768	15,072	19,130	23,188	28,116	36,087	0.3	54
8	1047	475	10/22/91	1206	68.1	351,890	336,827	462,788	36,957	22,174	22,319	22,464	22,464	22,609	0.17	54
8	1047	500	10/22/91	1211	68.8	457,978	443,450	609,285	38,116	19,855	21,014	21,884	22,754	24,058	0.25	54
8	1047	0	3/30/92	1005	59.9	473,486	392,922	539,862	23,333	19,275	19,275	19,420	19,420	19,420	1.33	54
8	1047	25	3/30/92	1008	60.2	405,224	338,606	465,233	23,478	18,551	18,551	18,695	18,695	18,695	0.86	54
8	1047	50	3/30/92	1013	60.8	371,310	314,584	432,227	17,246	18,551	18,551	18,551	18,551	18,695	0.79	54
8	1047	75	3/30/92	1016	61.2	334,933	286,390	393,489	22,174	16,811	16,956	17,101	17,101	17,246	0.47	54
8	1047	100	3/30/92	1019	61.5	287,975	247,945	340,668	32,464	21,739	21,739	21,884	21,884	21,884	1.91	54
8	1047	125	3/30/92	1021	61.7	506,240	437,881	601,633	24,203	21,739	21,739	21,884	21,884	21,884	0.95	54
8	1047	150	3/30/92	1024	62.1	539,284	470,779	646,834	27,636	19,565	19,710	20,000	20,145	20,435	0.34	54
8	1047	175	3/30/92	1027	62.4	785,230	690,235	948,358	29,855	21,449	21,594	21,594	21,594	21,594	1.03	54
8	1047	200	3/30/92	1030	62.8	684,069	606,876	833,826	30,435	21,304	21,449	21,449	21,449	21,594	0.11	54
8	1047	225	3/30/92	1032	63	654,358	583,198	801,293	28,565	18,406	19,565	20,724	21,739	23,188	0.36	54
8	1047	250	3/30/92	1035	63.3	549,849	492,553	676,751	28,956	18,695	18,840	18,985	19,130	19,275	0.42	54
8	1047	275	3/30/92	1038	63.7	602,908	546,074	750,286	25,072	19,275	19,275	19,275	19,420	19,420	0.96	54
8	1047	325	3/30/92	1045	64.5	661,750	610,511	838,821	25,942	21,739	21,739	21,884	21,884	21,884	1.13	54
8	1047	350	3/30/92	1048	64.8	593,490	644,228	885,447	32,464	21,884	21,884	21,884	21,884	21,884	1.84	54
8	1047	375	3/30/92	1050	65.1	617,836	577,927	794,052	26,667	20,145	20,145	20,145	20,145	20,290	0.37	54
8	1047	400	3/30/92	1053	65.4	589,575	555,314	762,982	27,681	19,710	19,855	19,855	20,000	20,145	0.35	54
8	1047	425	3/30/92	1056	65.8	550,734	523,530	719,311	33,478	17,971	18,551	18,840	19,275	19,710	0.79	54
8	1047	450	3/30/92	1058	66	652,764	623,385	856,509	29,565	17,971	18,261	18,551	18,695	19,130	0.23	54
8	1047	475	3/30/92	1101	66.3	699,866	673,000	924,678	26,232	16,377	17,971	19,275	20,580	22,464	0.58	54
8	1047	500	3/30/92	1104	66.7	560,299	543,776	747,128	32,319	18,695	18,840	18,985	19,130	19,275	0.31	54
8	1047	0	10/16/92	1027	58.1	1,620,462	1,232,080	1,692,833	30,145	19,710	20,145	20,435	20,724	21,159	0.27	54
8	1047	25	10/16/92	1034	58.2	1,597,998	1,217,800	1,673,214	22,319	20,580	20,580	20,724	20,724	20,869	0.14	54
8	1047	50	10/16/92	1037	58.2	1,284,369	978,791	1,344,823	21,159	17,246	18,406	19,420	20,435	21,884	0.37	54
8	1047	75	10/16/92	1041	58.3	1,720,319	1,314,041	1,805,445	27,535	21,159	21,304	21,304	21,304	21,304	0.8	54
8	1047	100	10/16/92	1044	58.3	1,608,433	1,228,578	1,688,023	40,435	22,319	22,319	22,464	22,464	22,464	0.14	54
8	1047	125	10/16/92	1047	58.4	1,659,883	1,270,801	1,746,034	36,957	22,029	22,174	22,319	22,464	22,754	0.45	54
8	1047	150	10/16/92	1049	58.4	2,339,025	1,790,749	2,460,425	31,304	24,203	24,348	24,348	24,348	24,348	0.69	54
8	1047	175	10/16/92	1054	58.5	1,836,552	1,409,300	1,936,327	43,044	20,290	22,319	23,913</				

STATE	SECTION	STATION	DATE	TIME	TEMP	E1_PSI	E1_68_Psi	1_MPT_Ps	E2_Psi	E3_Psi	E4_Psi	E5_Psi	E6_Psi	E7_Psi	ERROR	MAPT
8	1053	150	4/29/91	1542	73.8	531.023	606.895	764.244	28.116	23.768	23.768	23.913	23.913	24.058	1.19	58
8	1053	175	4/29/91	1545	73.7	578.125	659.207	830.119	25.942	22.319	22.898	23.478	23.913	24.783	0.61	58
8	1053	200	4/29/91	1548	73.7	621.169	708.288	891.925	30.000	24.058	24.058	24.058	24.058	24.203	1.22	58
8	1053	225	4/29/91	1550	73.6	452.616	514.908	648.408	26.232	22.609	22.754	22.898	23.043	23.188	0.54	58
8	1053	250	4/29/91	1553	73.6	425.369	483.912	609.375	27.391	19.855	20.869	21.739	22.609	23.913	0.32	58
8	1053	275	4/29/91	1555	73.5	711.171	807.187	1,016.465	28.841	23.478	23.623	23.623	23.623	23.623	0.98	58
8	1053	300	4/29/91	1558	73.5	372.904	423.251	532.986	33.913	22.319	22.754	23.043	23.333	23.788	0.2	58
8	1053	325	4/29/91	1600	73.4	338.556	383.381	482.780	28.116	24.203	24.203	24.203	24.348	24.348	1.95	58
8	1053	350	4/29/91	1603	73.3	445.949	503.832	634.459	27.246	23.043	23.188	23.333	23.478	23.623	0.65	58
8	1053	375	4/29/91	1606	73.3	282.613	319.295	402.078	29.565	24.638	24.783	24.783	24.783	24.783	1.71	58
8	1053	400	4/29/91	1608	73.2	338.411	381.456	480.356	30.000	22.609	22.754	22.898	23.043	23.333	0.27	58
8	1053	425	4/29/91	1611	73.2	484.935	546.618	688.339	24.927	23.768	23.913	24.058	24.058	24.203	0.47	58
8	1053	450	4/29/91	1613	73.1	661.315	743.718	936.541	22.898	23.478	23.478	23.623	23.623	23.623	0.7	58
8	1053	475	4/29/91	1616	73	546.820	613.543	772.615	30.290	28.275	28.275	28.420	28.420	28.420	0.78	58
8	1053	500	4/29/91	1619	73	673.199	755.342	951.179	25.362	23.333	24.203	24.783	25.607	26.522	0.16	58
8	1053	0	10/23/91	1035	58.2	826.535	859.571	830.577	27.101	24.348	24.493	24.638	24.783	25.072	0.17	58
8	1053	25	10/23/91	1039	58.6	783.636	831.123	794.754	29.275	23.623	23.623	23.623	23.623	23.623	0.44	58
8	1053	50	10/23/91	1042	58.9	827.560	871.111	845.108	27.981	22.029	22.898	23.623	24.348	25.362	0.17	58
8	1053	75	10/23/91	1044	59.1	795.375	847.998	816.001	27.825	22.898	23.043	23.188	23.478	23.623	0.15	58
8	1053	100	10/23/91	1047	59.4	617.256	506.367	637.652	28.261	24.783	24.783	24.783	24.783	24.783	1.85	58
8	1053	125	10/23/91	1051	59.8	812.332	872.564	846.939	25.797	24.927	24.927	24.927	25.072	25.072	1.97	58
8	1053	150	10/23/91	1054	60.1	915.667	763.374	981.293	23.913	23.913	24.058	24.058	24.058	24.058	0.87	58
8	1053	175	10/23/91	1056	60.3	995.524	833.780	1,049.953	25.362	18.261	20.290	22.174	24.348	27.391	0.42	58
8	1053	200	10/23/91	1059	60.6	1,086.540	916.317	1,153.889	24.783	24.348	24.348	24.348	24.348	24.493	1.48	58
8	1053	225	10/23/91	1106	61.3	835.521	716.073	901.728	23.478	22.754	22.754	22.754	22.754	22.898	0.98	58
8	1053	275	10/23/91	1111	61.8	993.640	861.448	1,084.794	25.072	23.623	23.768	23.768	23.768	23.768	1.06	58
8	1053	300	10/23/91	1114	62.1	801.607	699.780	881.211	24.551	24.638	24.638	24.638	24.638	24.638	1.13	58
8	1053	325	10/23/91	1117	62.4	585.082	514.300	647.642	25.652	23.188	23.188	23.188	23.333	23.333	1.27	58
8	1053	350	10/23/91	1120	62.7	650.880	576.104	725.470	24.348	23.913	23.913	23.913	24.058	24.058	1.1	58
8	1053	375	10/23/91	1123	63	484.935	432.199	544.255	26.522	23.333	23.333	23.333	23.333	23.478	1.98	58
8	1053	400	10/23/91	1127	63.4	636.242	572.298	720.677	25.362	23.333	23.478	23.478	23.478	23.623	1.41	58
8	1053	425	10/23/91	1130	63.7	839.579	760.434	957.591	21.304	24.783	24.783	24.783	24.783	24.783	1.97	58
8	1053	451	10/23/91	1132	63.9	906.537	824.870	1,038.732	20.435	23.478	23.623	23.623	23.623	23.623	1.67	58
8	1053	475	10/23/91	1136	64.5	803.346	741.144	933.300	27.101	30.435	30.435	30.435	30.435	30.580	0.94	58
8	1053	500	10/23/91	1143	64.9	819.144	762.711	960.458	22.174	25.072	25.217	25.217	25.217	25.217	0.98	58
8	1053	0	4/13/93	1155	61.9	770.168	689.236	842.748	28.956	24.058	24.203	24.348	24.493	24.638	0.13	58
8	1053	25	4/13/93	1159	62.2	728.534	635.705	800.523	28.551	24.493	24.493	24.638	24.638	24.638	0.64	58
8	1053	50	4/13/93	1202	62.5	845.811	745.201	938.408	27.826	24.348	24.348	24.348	24.348	24.493	0.73	58
8	1053	75	4/13/93	1205	62.7	737.838	653.072	822.393	28.551	23.043	23.333	23.623	23.768	24.203	0.09	58
8	1053	125	4/13/93	1211	63.3	625.662	561.487	707.063	27.536	23.478	23.623	23.768	23.913	24.058	0.46	58
8	1053	150	4/13/93	1213	63.4	741.172	666.682	839.532	23.768	21.014	21.739	22.319	22.898	23.768	0.21	58
8	1053	175	4/13/93	1216	63.7	819.289	742.057	934.448	20.290	23.043	23.188	23.188	23.333	23.333	0.88	58
8	1053	200	4/13/93	1219	64	647.257	590.305	743.353	26.812	22.898	22.898	23.043	23.043	23.188	0.78	58
8	1053	225	4/13/93	1226	64.6	571.458	528.427	665.431	23.768	21.594	22.029	22.464	22.754	23.333	0.14	58
8	1053	250	4/13/93	1229	64.8	580.589	539.348	679.184	21.594	22.754	22.898	22.898	22.898	22.898	0.64	58
8	1053	275	4/13/93	1232	65.1	637.402	596.229	750.813	23.768	22.029	22.029	22.174	22.319	22.464	0.04	58
8	1053	300	4/13/93	1235	65.4	508.559	479.006	603.198	30.435	18.551	20.495	22.174	24.203	26.958	0.86	58
8	1053	325	4/13/93	1239	65.7	606.097	574.833	723.870	24.058	22.174	22.464	22.898	23.188	23.623	0.33	58
8	1053	350	4/13/93	1241	65.9	494.356	471.020	593.141	24.638	22.898	23.043	23.043	23.043	23.188	0.65	58
8	1053	375	4/13/93	1247	66.4	487.399	469.769	591.566	25.507	23.333	23.333	23.478	23.478	23.478	1.91	58
8	1053	400	4/13/93	1251	66.8	439.137	427.170	537.921	23.333	22.898	23.043	23.043	23.188	23.333	0.06	58
8	1053	425	4/13/93	1254	67	548.704	536.214	675.238	22.609	21.594	21.739	22.029	22.174	22.464	0.15	58
8	1053	450	4/13/93	1257	67.3	812.912	799.914	1,007.307	21.304	24.927	24.927	25.072	25.072	25.072	1.79	58
8	1053	475	4/13/93	1255	68	921.320	921.320	1,160.189	22.898	22.319	24.493	26.967	29.130	32.609	0.57	58
8	1053	500	4/13/93	1	68	672.785	677.428	853.331	22.898	19.275	21.449	23.333	25.507	28.841	0.11	58
8	1057	25	7/18/89	955	3	666.967	1,265.041	1,488.874	21.584	19.420	19.420	19.420	19.565	19.565	1.18	61
8	1057	50	7/18/89	1001	96.5	532.617	1,026.633	1,208.283	25.652	18.840	18.840	18.840	18.840	18.840	1.45	61
8	1057	75	7/18/89	1008	97.2	373.774	732.166	861.713	36.377	18.985	18.985	18.985	18.985	19.130	0.71	61
8	1057	100	7/18/89	1013	97.7	431.456	854.942	1,006.213	25.072	19.565	19.710	19.710	19.710	19.710	0.84	61
8	1057	125	7/18/89	1017	98.1	447.688	895.315	1,053.729	23.913	17.826	17.826	17.826	17.826	17.826	0.11	61
8	1057	150	7/18/89	1020	98.4	467.834	942.088	1,108.778	30.870	16.956	17.101	17.101	17.101	17.101	0.74	61
8	1057	200	7/18/89	1026	99	578.995	1,182.156	1,391.323	14.637	16.666	16.666	16.666	16.666	16.666	0.62	61
8	1057	250	7/18/89	1039	100.4	496.820	1,047.808	1,232.969	24.058	19.710	19.855	19.855	19.855	19.855	0.6	61
8	1057	275	7/18/89	1048	101.3	587.546	1,264.858	1,488.658	12.753	18.985	18.985	19.130	19.130	19.130	1.11	61
8	1057	300	7/18/89	1054	101.9	525.516	1,147.059	1,350.016	21.884	17.971	17.971	18.116	18.116	18.116	0.36	61
8	1057	325	7/18/89	1057	102.2	461.891	1,015.173	1,194.795	24.783	17.681	17.681	17.681	17.681	17.681	0.5	61
8	1057	350	7/18/89	1102	102.7	510.878	1,135.840	1,336.812	14.203	17.826	17.971	17.971	17.971	17.971	1.49	61
8	1057	375	7/18/89	1105	103	403.485	903.290	1,063.115	25.362	17.826	17.826	17.826	17.826	17.971	0.25	61
8	1057	400	7/18/89	1108	103.3	594.068	1,339.171	1,576.120	26.087	16.522	16.522	16.522	16.522	16.522	1.12	61
8	1057	425	7/18/8													

Sample of PADAL Backcalculation Results for GPS-2 Sections

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1 68 P	E1 MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
1	1011	0	9/27/90	1046	79.6	717,838	937,619	925,657	33,044	65,074	72,175	78,552	85,219	94,060	0.57	69
1	1011	50	9/27/90	1057	80.5	776,970	1,036,106	1,022,687	25,942	71,016	71,450	71,595	71,885	72,175	0.05	69
1	1011	75	9/27/90	1100	80.7	817,695	1,095,447	1,081,471	35,508	63,334	65,363	66,958	68,552	70,436	0.14	69
1	1011	175	9/27/90	1110	81.5	817,840	1,116,011	1,101,772	23,769	67,537	67,682	67,827	67,972	68,117	0.87	69
1	1011	225	9/27/90	1116	82	680,156	938,877	926,899	22,464	62,610	62,755	62,900	63,045	63,334	1.42	69
1	1011	250	9/27/90	1124	82.7	732,911	1,028,138	1,015,020	28,841	63,479	66,668	69,132	71,885	75,219	0.2	69
1	1011	375	9/27/90	1137	83.7	808,130	1,160,062	1,145,261	36,522	59,566	61,305	62,610	63,914	65,653	0.32	69
1	1011	475	9/27/90	1147	84.5	739,723	1,081,606	1,067,806	40,870	90,146	90,581	91,016	91,451	91,886	0.87	69
1	1011	0	9/28/92	1007	67.8	686,678	883,523	874,803	35,943	50,001	67,392	85,219	107,248	142,611	1.3	69
1	1011	25	9/28/92	1010	67.9	920,306	918,189	906,474	31,015	71,885	84,784	97,248	111,161	130,872	0.66	69
1	1011	50	9/28/92	1013	68.1	946,828	949,010	936,902	17,537	81,451	81,596	81,596	81,741	81,885	0.91	69
1	1011	75	9/28/92	1015	68.2	1,000,597	1,005,215	992,390	27,682	61,450	66,958	71,885	77,103	83,914	0.27	69
1	1011	100	9/28/92	1018	68.4	877,551	885,671	874,371	28,406	76,813	87,683	97,828	108,987	124,205	0.19	69
1	1011	125	9/28/92	1021	68.6	1,102,917	1,118,260	1,103,993	29,711	80,001	86,523	92,320	98,407	108,379	0.66	69
1	1011	175	9/28/92	1026	68.9	912,479	931,586	919,701	20,580	62,175	59,131	65,653	72,900	82,755	0.44	69
1	1011	200	9/28/92	1029	69	909,001	930,174	918,307	17,102	72,900	73,190	73,480	73,769	74,059	0.2	69
1	1011	225	9/28/92	1031	69.2	732,621	753,146	743,538	18,596	58,552	58,697	58,842	58,987	59,131	0.51	69
1	1011	250	9/28/92	1034	69.3	949,292	978,137	965,657	18,261	79,712	79,712	79,856	80,001	80,146	1.8	69
1	1011	275	9/28/92	1037	69.5	1,127,266	1,166,880	1,151,993	26,812	76,233	76,378	76,378	76,523	76,668	0.18	69
1	1011	300	9/28/92	1039	69.6	1,001,466	1,039,050	1,025,793	24,203	69,277	69,421	69,421	69,566	69,711	1.03	69
1	1011	325	9/28/92	1042	69.8	1,150,454	1,199,139	1,183,840	14,348	91,886	92,031	92,175	92,320	92,465	0.44	69
1	1011	350	9/28/92	1045	70	986,539	1,033,033	1,018,853	23,044	70,871	79,856	88,262	97,538	110,147	0.1	69
1	1011	375	9/28/92	1047	70.1	1,085,381	1,139,153	1,124,619	23,044	66,088	66,233	66,378	66,523	66,668	0.44	69
1	1011	400	9/28/92	1050	70.3	1,102,193	1,162,137	1,147,310	27,537	81,161	81,306	81,451	81,596	81,741	1.44	69
1	1011	425	9/28/92	1053	70.4	1,086,975	1,148,734	1,134,078	27,392	60,001	66,088	71,740	77,682	85,654	0.39	69
1	1011	450	9/28/92	1055	70.5	908,566	962,402	950,123	34,783	52,175	66,088	80,146	96,668	121,886	0.1	69
1	1011	475	9/28/92	1058	70.7	969,872	1,032,082	1,018,914	24,058	98,118	98,263	98,407	98,552	98,697	0.88	69
1	1011	500	9/28/92	1100	70.8	973,785	1,038,635	1,025,384	21,160	106,668	106,813	106,958	107,103	107,248	0.9	69
1	1021	0	10/12/08	9953	74.5	778,274	903,925	810,223	31,595	56,668	56,813	56,813	56,957	56,957	0.84	73
1	1021	25	10/12/08	9956	74.7	873,205	1,135,545	1,017,832	27,971	51,000	57,682	57,827	57,972	57,972	1.58	73
1	1021	150	10/12/08	91015	76.2	816,248	985,873	883,675	31,595	52,030	52,175	52,175	52,320	52,320	0.91	73
1	1021	175	10/12/08	91018	76.5	935,958	1,138,299	1,020,301	30,290	55,798	55,943	55,943	56,088	56,088	1.06	73
1	1021	200	10/12/08	91021	76.7	788,564	963,467	863,593	31,885	51,015	51,160	51,160	51,305	51,305	0.73	73
1	1021	275	10/12/08	91030	77.4	870,450	1,080,796	968,758	33,479	53,479	53,624	53,624	53,769	53,769	1.6	73
1	1021	325	10/12/08	91036	77.9	945,813	1,187,970	1,064,823	29,421	55,073	55,218	55,218	55,363	55,363	0.54	73
1	1021	425	10/12/08	91048	78.8	715,085	918,975	821,920	24,783	54,494	54,494	54,639	54,639	54,784	0.22	73
1	1021	450	10/12/08	91055	79.3	771,173	1,000,349	896,651	26,232	67,972	67,972	68,117	68,262	68,407	1.49	73
1	1021	475	10/12/08	91058	79.6	713,056	931,372	834,825	28,406	56,668	56,813	56,813	56,957	56,957	1.15	73
1	1021	500	10/12/08	91102	79.9	869,000	1,142,931	1,024,452	25,653	60,726	60,871	61,016	61,016	61,161	1.4	73
1	4073	50	9/25/90	1120	75.9	605,662	726,492	732,860	27,827	102,321	102,466	102,610	102,755	102,900	1.19	68
1	4073	100	9/25/90	1126	76.4	577,111	700,260	706,399	26,812	96,378	96,523	96,668	96,813	96,958	1.29	68
1	4073	200	9/25/90	1138	77.5	555,082	690,808	696,963	24,638	84,204	84,349	84,494	84,639	84,784	1.06	68
1	4073	225	9/25/90	1141	77.8	548,125	686,878	682,900	31,740	93,915	94,060	94,205	94,349	94,494	1.57	68
1	4073	275	9/25/90	1146	78.2	597,836	756,105	762,734	20,145	87,103	87,248	87,393	87,538	87,683	1.37	68
1	4073	300	9/25/90	1148	78.4	553,778	703,615	709,784	29,276	56,957	56,957	57,102	57,247	57,392	0.12	68
1	4073	325	9/25/90	1151	78.6	511,313	652,660	658,381	19,566	67,682	67,827	67,972	68,117	68,262	1.09	68
1	4073	350	9/25/90	1154	78.9	696,534	895,245	903,093	41,305	73,480	73,624	73,769	73,914	74,059	1.77	68
1	4073	400	9/25/90	1159	79.4	573,923	746,197	752,738	28,116	93,045	93,190	93,335	93,480	93,625	1.58	68
1	4073	425	9/25/90	1202	79.6	676,243	883,289	891,033	18,986	87,103	87,248	87,393	87,538	87,683	0.75	68
1	4073	450	9/25/90	1204	79.8	514,067	674,558	680,472	44,494	54,928	62,465	69,421	77,103	87,628	0.73	68
1	4073	475	9/25/90	1207	80.1	536,096	708,341	714,551	32,609	81,885	82,465	82,900	83,335	83,769	0.4	68
1	4073	500	9/25/90	1210	80.3	519,574	689,660	695,726	27,247	71,450	71,595	71,740	71,885	72,030	1.76	68
1	4073	0	9/25/92	1015	73.7	633,489	722,336	728,668	29,276	75,219	87,248	99,277	113,045	132,901	0.86	68
1	4073	50	9/25/92	1020	74	659,142	756,796	763,430	23,624	97,973	98,118	98,263	98,407	98,552	1.55	68
1	4073	75	9/25/92	1024	74.3	543,632	628,500	634,010	34,348	74,929	75,074	75,219	75,364	75,509	1.44	68
1	4073	125	9/25/92	1030	74.7	651,170	759,792	766,453	25,508	96,523	96,668	96,813	96,958	97,103	1.39	68
1	4073	175	9/25/92	1037	75.2	706,534	833,936	841,247	40,146	57,972	70,871	83,914	99,712	123,490	0.23	68
1	4073	200	9/25/92	1040	75.4	612,039	725,737	732,099	31,305	58,987	70,726	82,610	96,668	117,393	0.12	68
1	4073	225	9/25/92	1042	75.6	578,271	688,860	694,899	37,392	75,509	78,552	81,161	83,914	87,393	0.62	68
1	4073	250	9/25/92	1045	75.8	546,676	654,229	659,965	15,073	73,769	73,914	74,059	74,204	74,349	1.36	68
1	4073	275	9/25/92	1048	76	722,041	868,085	875,695	20,290	79,132	80,581	81,885	83,190	84,494	0.23	68
1	4073	350	9/25/92	1055	76.5	719,288	874,787	882,456	30,290	74,204	74,204	74,349	74,494	74,639	1.15	68
1	4073	375	9/25/92	1058	76.7	657,982	803,922	810,970	23,913	78,117	78,117	78,262	78,407	78,552	0.39	68
1	4073	400	9/25/92	1101	76.9	556,241	682,752	688,738	17,971	105,799	105,944	106,089	106,234	106,379	1.4	68
1	4073	425	9/25/92	1103	77.1	656,098	809,038	816,130	16,522	76,668	76,668	76,813	76,958	77,103	0.74	68
1	4073	450	9/25/92	1107	77.3	601,884	745,625	752,161	45,073	38,986	52,610	67,248	86,088	117,828	0.25	68
1	4073	475	9/25/92	1110	77.5	521,458	648,962	654,851	29,131	64,929	69,421	73,335	77,538	83,045	0.12	68
1	4073	500	9/25/92	1113	77.8	452,761	567,374	572,348	18,696	65,074	68,552	71,595	74,784	78,987	0.21	68
4	1062	50	3/2/92	1255	51.3	452,037	507,733	364,113								

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
4	1062	300	11/4/92	1049	48.6	655,808	419,543	456,409	10,580	85,364	86,088	86,668	87,393	88,407	0.25	61
4	1062	325	11/4/92	1052	48.8	593,343	381,335	451,200	13,478	63,334	63,334	63,479	63,479	63,624	1.73	61
4	1062	350	11/4/92	1055	48.9	598,851	385,761	456,437	39,131	39,276	46,233	53,044	61,450	74,784	0.26	61
4	1062	500	11/4/92	1115	50	811,173	535,937	634,127	45,508	36,687	63,914	108,116	193,337	429,717	0.13	61
4	1062	50	3/6/89	805	44.5	367,542	213,948	253,146	18,696	77,538	77,538	77,682	77,827	77,972	1.6	61
4	1062	75	3/6/89	807	44.5	414,935	241,535	285,787	25,653	52,030	52,030	52,175	52,175	52,320	1.74	61
4	1062	100	3/6/89	810	44.7	469,428	274,517	324,812	8,261	101,888	102,031	102,176	102,321	102,466	0.3	61
4	1062	250	3/6/89	831	45.6	551,024	328,981	389,254	6,232	86,233	86,378	86,523	86,523	86,668	0.76	61
4	1062	275	3/6/89	834	45.7	1,009,293	603,972	714,628	1,449	751,752	790,013	824,652	864,942	923,494	1.98	61
4	1062	325	3/6/89	840	46	371,021	223,562	264,521	9,710	95,654	95,799	95,944	95,944	96,089	0.87	61
4	1062	375	3/6/89	846	46.2	643,344	389,443	460,793	10,290	73,190	73,190	73,335	73,335	73,480	1.66	61
4	1062	400	3/6/89	849	46.3	478,559	290,358	343,556	12,319	63,914	64,059	64,059	64,204	64,204	1.93	61
4	1065	50	3/2/92	940	46.5	428,848	261,399	290,432	206,670	15,652	23,479	33,189	48,986	84,204	0.03	63
4	1065	125	3/2/92	951	46.6	493,052	301,226	334,683	1,449	10,435	20,290	42,030	101,306	384,644	0.08	63
4	1065	176	3/2/92	956	46.7	1,308,718	801,394	890,404	1,449	13,768	18,116	24,483	35,503	63,045	1	63
4	1065	250	3/2/92	1004	46.7	1,043,361	638,896	709,858	1,449	16,232	21,015	28,986	43,624	81,161	1.22	63
4	1065	275	3/2/92	1009	46.8	748,360	458,106	508,987	6,087	26,377	27,537	28,696	30,145	32,319	1.75	63
4	1065	300	3/2/92	1011	46.8	623,199	382,496	424,980	6,522	35,377	40,580	44,783	50,146	58,697	0.19	63
4	1065	325	3/2/92	1014	46.8	1,578,433	969,782	1,078,384	1,449	10,580	17,537	30,870	61,595	190,873	1.24	63
4	1065	351	3/2/92	1016	46.8	748,129	458,173	510,173	1,449	53,479	54,928	56,088	57,537	59,711	1.26	63
4	1065	375	3/2/92	1019	46.9	993,495	611,175	679,058	1,449	12,609	21,740	41,595	93,335	319,571	1.54	63
4	1065	400	3/2/92	1022	46.9	589,575	362,693	402,977	140,002	7,971	15,508	27,827	53,479	136,669	0.37	63
4	1065	425	3/2/92	1024	46.9	904,218	556,254	618,037	1,449	37,392	45,218	56,378	74,204	112,900	0.81	63
4	1065	450	3/2/92	1027	46.9	591,459	383,852	404,265	1,449	8,551	15,942	31,885	73,624	259,280	1.5	63
4	1065	475	3/2/92	1030	46.9	967,408	595,127	661,227	1,449	10,435	17,826	32,754	69,711	221,599	1.5	63
4	1065	500	3/2/92	1032	47	747,259	460,756	511,932	1,449	12,029	21,884	43,044	97,973	354,354	0.7	63
4	1065	0	11/3/92	1029	53.2	896,392	637,526	708,336	6,522	75,074	75,943	76,813	77,682	78,987	1.99	63
4	1065	50	11/3/92	1036	53.8	1,018,568	734,497	816,077	1,449	34,493	48,841	74,059	123,625	274,063	1.07	63
4	1065	75	11/3/92	1039	54.1	769,433	558,690	620,744	1,449	24,058	43,189	65,364	195,511	727,694	0.37	63
4	1065	125	11/3/92	1045	54.6	735,810	540,452	600,491	1,449	13,189	24,058	47,682	109,712	400,731	0.5	63
4	1065	175	11/3/92	1050	55	1,231,325	912,794	1,014,178	1,449	9,710	17,102	27,971	48,407	104,784	0.45	63
4	1065	200	11/3/92	1053	55.2	1,272,630	947,768	1,053,037	1,449	10,435	15,508	23,913	40,580	92,485	0.49	63
4	1065	225	11/3/92	1056	55.5	1,068,438	801,966	891,040	1,449	13,189	17,537	24,928	38,656	75,219	1.62	63
4	1065	250	11/3/92	1059	55.7	1,023,061	770,729	856,333	1,449	12,754	20,725	36,233	71,885	206,380	0.94	63
4	1065	275	11/3/92	1102	56	977,698	741,660	824,035	2,319	28,261	33,769	39,276	46,523	58,842	0.81	63
4	1065	325	11/3/92	1108	56.5	1,190,890	913,843	1,015,343	1,449	58,987	60,581	62,900	66,088	71,016	0.73	63
4	1065	375	11/3/92	1115	57.1	1,024,555	797,219	885,766	1,449	14,783	23,044	38,696	72,900	194,496	1.08	63
4	1065	400	11/3/92	1118	57.3	818,825	638,454	709,366	1,449	25,073	32,899	44,928	66,088	118,988	0.69	63
4	1065	450	11/3/92	1121	57.6	893,059	702,878	780,946	1,449	8,696	15,797	30,725	68,987	241,453	0.05	63
4	1065	475	11/3/92	1128	58.2	994,944	793,960	882,145	1,449	19,710	26,812	38,252	59,421	116,379	1.51	63
4	1065	500	11/3/92	1132	58.5	735,665	591,126	656,782	1,449	12,464	23,044	46,523	109,712	405,659	0.41	63
4	1065	25	3/7/89	817	46	1,161,904	700,116	777,878	1,449	42,175	72,465	138,553	308,701	1,118,135	1.08	63
4	1065	102	3/7/89	828	46.2	731,172	442,608	491,769	1,449	725,520	725,954	726,534	727,259	728,273	1.08	63
4	1065	178	3/7/89	842	46.5	1,047,989	638,788	709,738	1,449	16,522	26,522	45,943	91,016	260,439	0.36	63
4	1065	200	3/7/89	844	46.5	838,275	510,960	567,712	1,449	67,827	67,827	67,972	67,972	68,117	0.93	63
4	1065	225	3/7/89	849	46.6	881,464	538,524	598,337	1,449	34,059	43,044	56,668	79,422	133,481	0.67	63
4	1065	275	3/7/89	855	46.8	585,807	359,546	399,481	4,348	49,566	49,711	49,711	49,711	49,856	0.03	63
4	1065	301	3/7/89	858	46.8	963,929	591,623	657,335	1,449	921,755	1,183,498	1,468,576	1,868,727	2,615,407	1.88	63
4	1065	375	3/7/89	906	47	809,144	498,914	554,328	1,449	84,059	84,764	85,364	85,943	86,958	0.01	63
4	1065	401	3/7/89	910	47	726,679	448,067	497,833	1,449	121,451	121,596	121,596	121,741	121,886	1.69	63
4	1065	450	3/7/89	915	47.1	597,401	369,204	410,211	1,449	23,769	34,838	53,189	89,567	197,105	1.37	63
5	2042	0	7/11/90	1526	120.9	170,003	574,720	546,189	9,999	9,957	12,899	21,450	35,943	70,581	0.82	70
5	2042	425	7/11/90	1615	120.3	93,625	312,170	296,673	9,999	3,044	10,870	32,754	106,813	542,763	0.83	70
5	2042	0	6/30/93	1019	96.5	149,278	287,737	273,453	9,999	3,623	12,029	34,783	110,292	554,792	0.28	70
5	2042	25	6/30/93	1026	97	170,003	331,479	315,024	9,999	3,333	10,725	30,145	93,625	464,356	0.24	70
5	2042	50	6/30/93	1028	97.2	238,555	457,292	444,094	9,999	3,478	11,449	32,174	98,987	476,385	0.13	70
5	2042	327	6/30/93	1132	101.9	80,001	174,621	185,953	9,999	2,609	9,420	28,116	91,886	471,167	1.04	70
5	2042	500	6/30/93	1153	103.4	111,741	252,472	239,938	9,999	3,478	12,754	38,117	124,495	637,112	1.77	70
5	3048	50	7/11/90	941	91.4	554,667	949,648	896,212	9,999	16,812	23,769	31,595	42,609	63,334	1.18	71
5	3048	151	7/11/90	952	92	563,923	979,985	924,842	9,999	16,232	21,740	27,537	35,363	49,131	1.26	71
5	3048	275	7/11/90	1005	92.7	382,180	674,945	636,968	9,999	18,985	21,305	23,334	25,508	28,841	0.18	71
5	3048	375	7/11/90	1019	93.5	537,111	968,193	911,826	9,999	26,377	26,377	26,377	26,377	26,377	1.42	71
5	3048	400	7/11/90	1021	93.6	588,271	1,060,663	1,000,980	9,999	18,116	24,348	31,160	40,435	56,957	1.61	71
5	3048	450	7/11/90	1026	93.9	566,386	1,028,283	970,423	9,999	16,667	20,435	24,203	28,841	36,377	1.05	71
5	3048	475	7/11/90	1029	94.1	646,243	1,178,680	1,112,356	9,999	5,652	17,102	45,653	133,625	605,662	0.7	71
5	3048	500	7/11/90	1032	94.2	610,010	1,115,160	1,052,411	9,999	5,942	18,696	50,726	151,162	692,331	1.84	71
5	3048	0	6/29/93	924	94.8	433,920	804,285	759,029	9,999	15,652	19,131	22,464	26,522	32,899	0.81	71
5	3048	50	6/29/93	929	95.4	651,170	1,223,756	1,154,896	9,999	14,493	22,754	33,199	49,276	83,770	1.22	71
5	3048	150	6/29/93	940	96.8	637,257	1,236,844	1,167,247	9,999	15,797	19,566	23,479	28,551	36,812	0.82	71
5	3048	225	6/29/93	948	97.7	336,093	665,977	628,503	9,999	6,232	19,710</					

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_P8_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
6	3071	500	6/19/90	1227	93.2	589,285	1,052,751	1,110,694	9,999	13,334	41,305	109,132	316,092	1,395,966	0.33	66
6	2002	50	11/9/89	916	42.3	130,727	72,338	93,347	17,247	31,595	31,740	31,740	31,885	31,885	1.3	57
6	2002	125	11/9/89	929	42.9	1,479,445	830,040	1,071,105	99,407	15,508	22,319	30,725	43,914	72,610	0.13	57
6	2002	150	11/9/89	931	43	1,693,507	952,329	1,228,911	12,029	45,073	45,218	45,218	45,218	45,363	1.81	57
6	2002	175	11/9/89	935	43.2	971,466	548,817	708,208	18,551	37,537	37,537	37,537	37,682	37,682	1.17	57
6	2002	200	11/9/89	940	43.5	2,065,108	1,174,742	1,515,919	49,421	12,754	20,145	30,435	48,552	95,509	0.63	57
6	2002	225	11/9/89	943	43.9	822,478	472,198	609,337	37,682	22,899	27,102	31,160	36,522	45,508	0.18	57
6	2002	325	11/9/89	1007	44.8	1,020,597	598,211	771,947	115,364	11,739	20,725	34,493	60,001	131,162	0.4	57
6	2002	400	11/9/89	1016	45.2	549,285	324,936	419,306	92,175	10,000	18,698	32,174	57,827	129,567	0.08	57
6	2002	500	11/9/89	1028	45.8	774,506	464,542	599,457	20,145	35,653	35,653	35,653	35,798	35,798	1.66	57
6	2038	0	12/6/89	921	48.8	470,733	302,534	358,299	69,421	10,725	17,392	25,653	38,841	67,248	0.41	61
6	2038	50	12/6/89	932	49.1	978,567	633,273	750,002	1,449	38,551	41,450	44,638	48,841	55,218	0.3	61
6	2038	100	12/6/89	938	49.3	1,026,829	667,572	790,624	11,884	39,131	39,276	39,276	39,276	39,421	1.71	61
6	2038	125	12/6/89	943	49.4	1,425,401	929,483	1,100,813	6,377	42,754	44,928	46,812	48,841	51,885	0.25	61
6	2038	175	12/6/89	950	49.7	703,925	461,877	547,014	6,957	41,885	41,885	42,030	42,030	42,030	1.09	61
6	2038	200	12/6/89	952	49.7	898,276	589,400	698,042	6,232	43,769	43,914	43,914	43,914	44,059	0.89	61
6	2038	225	12/6/89	955	49.8	1,260,021	828,663	981,408	1,449	115,074	119,132	123,625	129,133	137,539	1	61
6	2038	300	12/6/89	1004	50.1	1,125,237	745,150	882,502	2,899	41,160	41,160	41,305	41,305	41,305	1.08	61
6	2038	400	12/6/89	1018	50.5	375,803	251,166	297,463	4,203	30,870	30,870	30,870	30,870	31,015	1.93	61
6	2038	425	12/6/89	1022	50.6	956,248	640,576	758,652	1,449	18,261	22,464	27,827	35,363	50,001	0.45	61
6	2038	500	12/6/89	1032	50.9	928,132	626,051	741,449	3,188	38,262	38,262	38,406	38,406	38,406	1.56	61
6	2040	0	12/7/89	859	47.8	518,415	325,595	374,193	64,204	24,493	25,087	27,392	28,841	30,870	0.21	62
6	2040	25	12/7/89	902	47.9	1,417,415	892,272	1,025,453	59,421	13,913	20,435	28,986	42,754	73,480	0.25	62
6	2040	100	12/7/89	912	47.9	195,366	122,984	141,341	8,841	7,826	15,552	30,580	63,914	174,931	0.57	62
6	2040	125	12/7/89	916	48	1,878,148	1,185,031	1,361,910	18,841	31,740	33,624	35,653	37,972	41,595	0.34	62
6	2040	225	12/7/89	933	48.1	1,366,835	864,403	993,424	84,784	9,131	16,377	27,682	49,566	111,886	1.97	62
6	2040	250	12/7/89	936	48.1	1,755,972	1,110,497	1,276,252	118,698	10,000	17,537	28,986	50,581	110,002	0.06	62
6	2040	275	12/7/89	940	48.2	1,775,393	1,125,368	1,293,341	31,160	24,348	27,682	31,160	35,798	43,189	0.15	62
6	2040	300	12/7/89	943	48.2	1,877,278	1,189,950	1,367,561	65,655	20,290	24,348	28,986	34,493	44,349	0.08	62
6	2040	350	12/7/89	949	48.2	1,327,269	841,316	966,891	185,365	11,594	19,276	30,001	48,407	93,625	0.45	62
6	2040	375	12/7/89	953	48.3	286,816	182,223	209,422	106,958	8,551	20,725	43,769	97,103	289,715	1.23	62
6	2040	475	12/7/89	1005	48.3	1,566,114	995,000	1,143,515	72,900	24,348	28,406	32,609	37,827	46,378	0.17	62
6	2051	0	12/12/08	91157	999.9	9 179945	9 999	1,000	95,074	47,682	48,262	48,696	49,276	50,001	0.17	68
6	2051	25	12/12/08	91201	999.9	9 178872	9 999	1,000	65,798	55,363	55,943	56,378	56,668	57,247	0.01	68
6	2051	50	12/12/08	91205	999.9	9 148567	9 999	1,000	98,987	64,929	70,001	74,639	79,567	86,378	0.04	68
6	2051	125	12/12/08	91218	999.9	9 676821	9 999	1,000	89,587	60,146	71,450	82,030	94,205	112,176	0.18	68
6	2051	200	12/12/08	91236	999.9	9 152654	9 999	1,000	427,399	22,754	48,117	90,291	177,684	450,008	1.35	68
6	2051	225	12/12/08	91241	999.9	9 106914	9 999	1,000	200,148	27,247	50,436	84,204	144,930	299,280	0.96	68
6	2051	300	12/12/08	91254	999.9	9 112900	9 999	1,000	390,152	45,073	62,175	80,436	105,219	149,858	0.64	68
6	2051	350	12/12/08	91302	999.9	9 801170	9 999	1,000	179,713	44,928	60,581	76,813	97,538	133,406	0.76	68
6	2051	375	12/12/08	91305	999.9	9 161901	9 999	1,000	373,485	36,812	61,450	93,915	147,249	270,294	0.15	68
6	2051	400	12/12/08	91310	999.9	9 200457	9 999	1,000	23,624	85,074	85,219	85,364	85,364	85,509	0.04	68
6	7452	0	12/11/08	9940	39.7	254,352	132,567	139,740	190,293	17,102	37,972	74,059	151,307	407,688	0.64	66
6	7452	25	12/11/08	9946	40.1	137,828	72,500	76,423	175,800	27,102	39,726	52,465	70,726	104,495	1.39	66
6	7452	125	12/11/08	91004	41.2	437,399	235,981	248,751	48,117	18,261	29,856	44,783	68,117	118,263	0.01	66
6	7452	175	12/11/08	91010	41.6	467,109	254,342	268,105	43,334	18,116	29,421	45,073	70,146	124,205	0.17	66
6	7452	300	12/11/08	91048	44	271,164	156,039	164,482	11,449	37,972	37,972	38,117	38,117	38,262	1.85	66
6	7452	350	12/11/08	91055	44.4	1,291,471	750,041	790,627	11,884	54,059	54,059	54,204	54,204	54,349	1.81	66
6	7452	375	12/11/08	91058	44.6	185,076	107,981	113,825	33,914	25,522	34,928	43,624	54,349	71,885	1.15	66
6	7452	400	12/11/08	91101	44.8	467,834	274,215	289,054	24,638	31,740	38,406	45,218	53,624	66,523	1.64	66
6	7452	450	12/11/08	91107	45.2	995,089	588,657	620,510	135,944	10,725	32,464	84,784	240,294	1,032,336	1.7	66
6	7452	475	12/11/08	91110	45.4	618,126	367,348	387,226	48,606	18,551	32,030	50,870	82,755	157,684	0.5	66
6	8149	200	5/26/93	1100	76	96,234	179,195	131,055	9,999	49,421	49,421	49,566	49,566	49,711	0.69	81
6	8149	250	5/26/93	1105	93.4	190,728	356,438	263,145	9,999	24,203	30,725	36,522	43,334	53,189	0.61	81
6	8150	50	1/3/90	1004	44.6	451,747	263,569	224,887	65,074	17,681	19,276	20,580	22,029	24,056	0.05	75
6	8150	125	1/3/90	1012	44.9	2,072,209	1,217,401	1,038,731	160,582	19,276	22,754	26,377	30,870	38,117	0.6	75
6	8150	300	1/3/90	1038	45.8	1,075,815	645,264	550,563	88,987	27,537	27,682	27,682	27,682	27,682	1.43	75
6	8150	425	1/3/90	1054	46.4	1,580,607	961,222	820,150	180,728	17,247	20,290	23,189	26,812	32,754	0.32	75
8	7781	0	10/25/09	11025	58.1	462,906	358,547	423,012	9,999	5,073	15,652	42,754	131,017	648,562	1.8	62
10	1450	425	5/4/89	1033	63.8	1,212,629	1,100,850	1,202,552	9,999	9,565	25,508	61,450	163,916	676,243	1.75	64
10	1450	450	5/4/89	1036	63.9	1,180,455	1,074,112	1,173,343	9,999	9,420	24,928	59,856	159,423	656,968	0.48	64
10	1450	25	7/24/91	1105	95	521,023	970,191	1,058,822	9,999	34,059	34,203	34,203	34,203	34,348	0.9	64
10	1450	125	7/24/91	1121	96.3	321,800	617,043	674,049	9,999	29,276	29,566	29,566	30,145	30,580	1.98	64
10	1450	150	7/24/91	1123	96.4	321,890	619,023	676,211	9,999	30,435	32,809	34,638	36,957	40,146	0.16	64
10	1450	380	7/24/91	1208	99.9	277,686	578,834	632,309	9,999	39,568	39,566	39,566	39,711	39,711	0.82	64
10	1450	425	7/24/91	1216	100.5	327,107	691,337	755,206	9,999	36,812	36,812	36,957	36,957	36,957	1.72	64
10	1450	450	7/24/91	1218	100.7	328,991	698,529	763,062	9,999	27,827	29,421	30,725	32,319	34,348	0.54	64
10	1450	475	7/24/91	1221	100.9	361,745	771,619	842,905	9,999	28,696	28,696	28,696	28,841	28,841	0.92	64
10	1450	500	7/24/91	1224	101.1	333,919	715,551	781,657	9,999	29,131	29,131	29,276	29,276	29,276	1.23	64

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
12	4097	300	11/21/08	91020	64.5	1,004,075	926,331	778,038	15,812	66,668	66,813	66,813	66,958	66,958	1.23	76
12	4097	376	11/21/08	91031	64.7	1,059,004	981,516	824,388	9,276	91,866	92,031	92,320	92,465	92,900	0.52	76
12	4097	450	11/21/08	91050	65	970,886	906,084	761,032	26,377	87,828	87,973	88,117	88,117	88,262	1.46	76
12	4100	0	11/15/08	9055	76.9	750,013	920,595	775,876	18,406	22,174	22,319	22,319	22,319	22,319	1.27	75
12	4100	25	11/15/08	9058	77	879,867	836,419	704,932	21,015	21,740	21,740	21,740	21,740	21,884	0.32	75
12	4100	100	11/15/08	91012	77.8	953,929	1,195,408	1,007,488	16,232	21,884	22,029	22,029	22,029	22,029	0.94	75
12	4100	127	11/15/08	91018	78.1	872,334	1,100,735	927,697	15,073	21,305	21,450	21,450	21,450	21,595	1.18	75
12	4100	152	11/15/08	91024	78.4	694,505	882,420	743,702	15,508	20,870	20,870	21,015	21,015	21,015	1.84	75
12	4100	175	11/15/08	91027	78.6	845,522	1,079,257	908,595	13,768	23,479	23,479	23,479	23,479	23,479	1.44	75
12	4100	250	11/15/08	91056	80.1	784,216	1,036,181	873,292	20,435	20,725	20,725	20,725	20,725	20,725	0.41	75
12	4100	275	11/15/08	91059	80.3	629,286	835,311	703,999	25,073	18,985	19,421	19,710	20,145	20,580	0.56	75
12	4100	350	11/15/08	91116	81.2	634,793	860,265	725,030	26,522	19,855	19,855	19,855	20,000	20,000	0.65	75
12	4100	375	11/15/08	91128	81.7	713,201	977,714	824,015	20,290	21,740	21,740	21,740	21,740	21,884	1.2	75
12	4100	400	11/15/08	91129	81.9	893,349	1,230,328	1,036,918	14,928	22,319	22,319	22,319	22,464	22,464	0.85	75
12	4100	425	11/15/08	91137	82.3	764,361	1,062,425	895,410	12,464	22,174	22,174	22,174	22,319	22,319	1.09	75
12	4100	450	11/15/08	91203	83.7	650,881	934,332	787,454	16,232	20,725	20,870	20,870	20,870	20,870	1.26	75
12	4100	475	11/15/08	91206	83.8	637,402	917,093	772,925	20,145	20,580	20,580	20,725	20,725	20,725	1.09	75
12	4100	500	11/15/08	91208	83.9	834,072	1,202,628	1,013,742	13,189	22,899	22,899	22,899	22,899	23,044	1.76	75
12	4108	400	11/16/08	91011	65.4	1,227,122	1,155,814	958,292	22,464	14,928	17,537	20,290	23,624	29,276	0.09	76
12	4108	450	11/16/08	91017	65.6	1,244,224	1,177,331	978,132	12,609	22,029	22,029	22,029	22,029	22,029	1.5	76
13	4092	0	2/15/93	946	58.6	720,592	554,229	447,677	9,999	24,058	46,653	78,987	142,756	321,455	0	77
13	4092	75	2/15/93	954	57	1,028,423	798,311	644,833	9,999	21,884	63,624	165,945	483,776	2,260,618	0.88	77
13	4092	425	2/15/93	1034	58.8	816,391	660,538	533,548	9,999	25,508	40,291	58,842	87,828	150,292	0.08	77
13	4092	475	2/15/93	1039	59	953,784	775,265	626,218	9,999	16,957	47,247	119,857	341,455	1,568,577	1.62	77
13	4093	50	2/15/93	1234	68.7	875,957	890,190	714,716	9,999	28,261	41,015	55,943	77,393	119,422	1.62	78
13	4093	100	2/15/93	1239	69.2	533,197	548,136	440,087	9,999	49,131	49,566	49,566	50,291	50,581	1.78	78
13	4093	175	2/15/93	1247	69.8	974,219	1,015,446	815,281	9,999	21,305	37,827	61,160	102,321	205,076	0.46	78
13	4093	200	2/15/93	1249	70	1,026,539	1,074,918	883,031	9,999	15,508	50,146	136,524	405,369	1,815,103	0.53	78
13	4093	275	2/15/93	1257	70.7	1,132,918	1,205,587	967,941	9,999	16,112	46,513	116,959	328,864	1,492,199	1.61	78
13	4093	76	8/21/90	949	90.1	529,139	880,177	706,677	9,999	79,712	79,712	79,856	80,001	80,001	1.35	78
13	4093	275	8/21/90	1010	91	658,127	1,117,660	897,347	9,999	97,248	97,393	97,393	97,538	97,883	1.9	78
13	4093	300	8/21/90	1013	91.2	683,925	1,166,832	936,826	9,999	96,089	96,089	96,234	96,378	96,523	1.59	78
13	4093	325	8/21/90	1015	91.2	674,069	1,150,018	923,226	9,999	94,784	94,929	95,074	95,074	95,219	0.83	78
13	4093	425	8/21/90	1029	91.9	646,098	1,120,207	899,392	9,999	70,291	85,509	99,567	116,234	141,162	1.47	78
13	4093	475	8/21/90	1034	92.1	701,461	1,221,810	980,967	9,999	104,639	104,839	104,784	104,929	105,074	1.64	78
13	4096	75	2/16/93	1435	74.3	552,908	639,224	534,658	9,999	12,174	43,769	132,031	436,964	2,277,430	0.07	76
13	4096	150	2/16/93	1443	74.7	446,964	521,522	436,210	9,999	11,739	44,059	136,089	457,689	2,408,447	0.7	76
13	4096	175	2/16/93	1445	74.9	611,315	716,580	599,361	9,999	13,334	47,972	144,495	477,979	2,490,622	0.84	76
13	4096	350	2/16/93	1503	75.8	675,084	807,900	675,742	9,999	15,218	55,653	168,599	560,154	2,926,282	0.88	76
13	4096	400	2/16/93	1508	76.1	780,158	940,119	786,332	9,999	15,363	53,769	169,858	523,052	2,708,452	1.49	76
13	4096	500	2/16/93	1519	76.7	456,530	557,788	466,544	9,999	14,203	56,088	177,394	606,532	3,220,200	0.04	76
13	4112	100	9/20/89	1451	91.5	474,356	814,900	662,994	9,999	31,015	31,160	31,160	31,160	31,305	0.28	77
13	4112	275	9/20/89	1514	92.9	581,459	996,134	810,444	9,999	28,116	28,116	28,116	28,261	28,261	0.82	77
13	4112	350	9/20/89	1523	93.4	578,850	1,036,882	845,223	9,999	28,261	28,261	28,261	28,261	28,406	0.97	77
13	4112	375	9/20/89	1526	93.6	352,180	634,887	516,619	9,999	31,740	31,740	31,885	31,885	31,885	1.95	77
13	4112	401	9/20/89	1529	93.8	643,489	1,165,578	948,301	9,999	27,537	27,537	27,537	27,537	27,682	1.9	77
13	4112	425	9/20/89	1532	94	464,211	844,725	687,259	9,999	30,580	30,580	30,580	30,725	30,725	1.26	77
13	4113	0	2/12/93	956	60.8	1,440,169	1,220,151	992,691	9,999	7,391	18,551	43,044	111,306	445,950	0.58	77
13	4113	50	2/12/93	902	60.8	1,016,249	860,994	700,488	9,999	8,116	25,073	65,798	189,279	814,362	1.94	77
13	4113	150	2/12/93	916	60.7	935,668	790,900	643,461	9,999	17,247	24,348	32,754	45,363	70,728	0.55	77
13	4113	175	2/12/93	921	60.7	1,340,747	1,133,305	922,035	9,999	6,812	19,710	49,566	137,104	569,865	0.3	77
13	4113	200	2/12/93	924	60.7	1,336,689	1,129,875	919,244	9,999	7,391	20,000	48,407	129,567	528,705	0.77	77
13	4113	250	2/12/93	929	60.7	906,972	766,644	623,727	9,999	30,145	30,290	30,290	30,290	30,435	0.77	77
13	4113	175	9/20/89	927	76.4	483,921	587,185	477,722	9,999	38,262	38,262	38,406	38,406	38,551	0.81	77
13	4113	375	9/20/89	952	76.4	716,389	869,258	707,212	9,999	35,943	38,841	41,305	44,204	48,262	1.13	77
13	4113	450	9/20/89	1002	76.5	1,011,466	1,230,131	1,000,811	9,999	25,942	32,754	40,001	49,566	66,523	1.57	77
13	4119	0	9/23/92	959	84.8	675,664	994,788	995,786	66,088	17,247	26,232	37,872	57,392	102,900	0.05	68
13	4119	50	9/23/92	1004	84.7	677,403	995,055	996,053	14,638	45,218	46,667	48,262	50,291	53,189	1.32	68
13	4119	300	9/23/92	1054	83.3	677,983	964,314	965,281	16,087	66,233	66,378	66,523	66,668	66,813	0.77	68
13	4119	350	9/23/92	1059	83.2	631,315	895,872	896,771	33,769	27,247	28,261	29,276	30,435	32,030	0.01	68
13	4119	75	10/29/09	1024	57.7	1,320,022	1,041,313	1,042,357	18,406	53,914	54,639	55,363	56,088	57,247	0.67	68
13	4119	100	10/29/09	1027	57.8	1,249,731	988,136	989,127	56,233	21,160	32,509	48,986	77,393	148,118	0.03	68
13	4119	175	10/29/09	1035	57.9	1,528,548	1,209,791	1,211,004	8,696	67,827	69,132	70,726	72,610	75,509	0.14	68
13	4119	200	10/29/09	1038	58	1,274,369	1,012,268	1,013,283	24,203	48,696	48,841	48,841	48,985	49,131	0.72	68
13	4119	225	10/29/09	1040	58	1,454,662	1,155,479	1,156,638	23,913	23,913	32,174	43,044	60,001	97,248	0.04	68
13	4119	250	10/29/09	1046	58.1	1,530,461	1,218,491	1,219,713	8,696	67,882	69,132	70,726	72,610	75,509	1.49	68
13	4119	300	10/29/09	1052	58.2	1,067,899	852,018	852,873	43,479	38,406	45,073	52,320	61,740	77,682	0.43	68
13	4119	325	10/29/09	1054	58.2	1,230,746	982,128	983,113	23,334	44,349	48,986	53,914	60,146	70,291	0.26	68
13	4119	350	10/29/09	1057	58.											

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1 68 P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
13	4420	200	4/21/92	1517	80.1	543,488	718,108	562,366	9,999	5,217	15,508	40,725	118,118	536,821	0.45	77
13	4420	300	4/21/92	1533	80.5	440,877	587,919	476,811	9,999	10,870	15,508	20,580	27,827	41,305	1.52	77
13	4420	350	4/21/92	1538	80.6	682,910	912,775	740,274	9,999	5,073	15,942	43,334	128,638	577,111	1.49	77
13	4420	400	4/21/92	1551	80.9	500,443	673,527	546,241	9,999	4,493	13,623	35,798	104,060	469,428	0.79	77
13	4420	450	4/21/92	1642	82	677,693	935,476	758,686	9,999	4,638	14,348	38,117	111,596	495,661	1.05	77
13	4420	25	9/25/89	1040	68.1	746,679	748,401	606,964	9,999	8,696	23,479	58,987	166,670	766,390	0.27	77
13	4420	275	9/25/89	1111	69	939,435	961,319	779,644	9,999	7,971	23,334	60,581	174,496	781,897	1.02	77
13	4420	300	9/25/89	1114	69.1	856,102	878,062	712,122	9,999	8,841	23,769	58,842	164,640	751,172	0.52	77
13	4420	400	9/25/89	1128	69.5	856,971	887,087	719,441	9,999	8,696	22,509	55,218	152,177	685,954	1.42	77
13	4420	450	9/25/89	1134	69.7	862,478	896,909	727,407	9,999	23,334	24,348	25,363	28,377	27,682	1.61	77
13	4420	100	11/30/09	31110	60.1	597,691	498,284	404,116	9,999	7,971	23,334	60,726	174,931	788,709	1.79	77
13	4420	175	11/30/09	31118	60.8	889,146	753,308	610,945	9,999	7,102	19,855	50,001	141,017	629,286	1.52	77
13	4420	200	11/30/09	31123	61.2	898,856	768,582	623,332	9,999	7,247	21,015	54,059	153,771	683,055	0.14	77
13	4420	250	11/30/09	31130	61.9	874,942	760,290	616,607	9,999	7,391	22,464	59,856	174,931	786,825	1.1	77
13	4420	275	11/30/09	31134	62.2	930,161	813,876	660,066	9,999	7,391	21,450	55,218	157,394	697,983	0.5	77
22	3056	28	7/17/90	925	79.7	822,478	1,076,773	906,950	9,999	8,551	22,754	54,204	142,466	571,169	1.08	75
22	3056	78	7/17/90	929	79.7	894,073	1,170,504	985,899	9,999	8,696	23,913	57,682	153,916	618,561	0.17	75
22	3056	100	7/17/90	932	79.7	726,244	950,786	800,833	9,999	9,420	24,928	59,276	155,800	626,243	1.28	75
22	3056	225	7/17/90	951	79.7	771,173	1,009,605	850,376	9,999	9,131	24,928	60,001	159,713	647,547	1.16	75
22	3056	355	7/17/90	1006	79.7	882,624	1,155,515	973,274	9,999	9,276	25,508	61,595	164,496	663,779	1.01	75
22	3056	300	3/30/92	1030	68.7	1,109,439	1,127,466	949,648	9,999	7,102	17,537	40,001	100,581	365,514	1.08	75
22	3056	325	3/30/92	1032	68.8	584,648	595,517	501,595	9,999	8,896	20,580	44,059	105,509	391,166	0.1	75
24	1632	0	4/18/90	908	47.7	1,646,550	1,031,751	1,103,514	32,754	19,855	31,595	48,407	77,827	150,292	0.06	65
24	1632	25	4/18/90	911	49	1,376,255	958,358	928,757	26,377	17,247	27,827	43,479	71,450	142,321	0.31	65
24	1632	50	4/18/90	913	48.2	1,129,729	716,101	765,910	34,928	20,145	31,450	47,102	73,190	133,481	0.07	65
24	1632	75	4/18/90	916	48.5	1,384,516	883,688	945,151	16,607	10,870	16,087	22,899	33,914	59,131	0.2	65
24	1632	100	4/18/90	919	48.8	634,648	407,881	436,251	34,059	8,406	14,058	22,174	36,233	71,161	0.15	65
24	1632	125	4/18/90	922	49.1	907,552	587,315	628,166	18,261	11,594	14,783	18,986	25,218	36,812	0.36	65
24	1632	175	4/18/90	929	49.7	911,610	598,148	639,753	33,624	6,812	14,638	30,145	67,392	209,134	0.23	65
24	1632	200	4/18/90	932	50	760,448	502,423	537,369	5,942	14,203	18,986	25,073	34,638	53,914	0.07	65
24	1632	225	4/18/90	941	50.8	577,981	388,968	416,022	6,522	27,682	27,827	27,827	27,971	27,971	0.83	65
24	1632	250	4/18/90	944	51.1	722,911	489,874	523,948	28,667	8,087	11,449	20,435	38,696	94,494	0.04	65
24	1632	275	4/18/90	947	51.4	536,096	365,799	391,242	19,421	8,116	13,768	22,029	36,812	74,494	0.32	65
24	1632	325	4/18/90	955	52.2	539,429	374,917	400,994	13,044	13,623	16,232	18,986	22,464	28,261	0.1	65
24	1632	350	4/18/90	1000	52.6	453,341	317,998	340,117	7,391	23,769	23,913	24,058	24,203	24,348	0.67	65
24	1632	375	4/18/90	1008	53.4	828,561	449,105	480,342	4,493	34,348	34,348	34,493	34,493	34,493	1.34	65
24	1632	425	4/18/90	1019	54.4	961,486	702,965	751,860	2,754	40,435	46,957	55,073	66,668	88,552	0.13	65
24	1632	475	4/18/90	1029	55.4	454,790	340,260	363,927	30,145	11,305	18,986	28,641	45,798	85,654	0.15	65
24	1632	0	4/19/89	1051	60.3	1,131,034	947,274	1,013,162	18,841	50,581	50,581	50,726	50,870	51,015	0.73	65
24	1632	25	4/19/89	1054	60.3	1,175,382	984,417	1,052,888	17,826	36,233	39,886	43,479	47,682	54,059	0.17	65
24	1632	50	4/19/89	1057	60.4	930,885	781,441	835,794	38,117	25,363	32,609	40,725	51,595	70,726	0.01	65
24	1632	100	4/19/89	1103	60.6	880,305	742,392	794,029	7,247	26,377	26,377	26,522	26,522	26,522	0.58	65
24	1632	125	4/19/89	1106	60.7	871,464	736,630	787,866	9,276	23,479	23,479	23,624	23,624	23,624	0.87	65
24	1632	200	4/19/89	1118	61	544,937	463,816	496,077	43,479	7,391	13,913	23,769	42,609	94,494	0.26	65
24	1632	225	4/19/89	1121	61.1	471,602	402,324	430,308	16,377	12,899	16,957	21,450	27,537	38,841	0.23	65
24	1632	325	4/19/89	1136	61.5	841,753	724,744	775,154	4,638	26,957	27,102	27,247	27,392	27,537	1.39	65
24	1632	350	4/19/89	1139	61.6	515,516	444,879	475,823	11,160	15,073	17,247	19,421	22,029	26,232	0.04	65
24	1632	375	4/19/89	1142	61.6	511,458	441,377	472,077	8,986	25,073	25,073	25,073	25,218	25,218	0.25	65
24	1632	450	4/19/89	1156	62	780,013	679,363	726,616	5,797	32,899	32,899	32,899	33,044	33,044	1.07	65
24	1632	475	4/19/89	1159	62.1	664,549	580,220	620,577	8,841	28,405	28,551	28,841	28,986	29,131	0.46	65
24	1632	504	4/19/89	1207	62.3	579,865	508,542	543,914	8,696	28,116	28,116	28,116	28,116	28,116	0.8	65
24	2401	0	4/25/89	1307	62	311,020	375,654	416,877	7,247	21,595	21,595	21,740	21,740	21,740	1.75	63
28	2807	100	8/3/93	952	89	487,400	767,470	767,466	9,999	6,522	15,652	35,653	91,161	376,093	0	89
28	2807	176	8/3/93	1000	89.2	366,528	597,183	580,031	9,999	6,812	17,392	41,015	108,698	453,631	1.48	89
28	2807	200	8/3/93	1002	89.3	647,982	1,058,188	1,027,795	9,999	6,812	18,406	44,204	117,683	481,747	0.36	69
28	2807	225	10/11/09	904	57.1	1,266,589	1,001,091	972,338	9,999	4,783	11,884	25,363	58,987	191,163	0.55	69
28	2807	350	10/11/09	921	57	968,712	751,960	730,362	9,999	8,841	17,537	32,899	67,682	197,250	0.34	89
28	2807	125	7/19/91	1006	88.7	446,874	719,434	698,771	9,999	5,217	14,783	37,102	101,886	423,630	0.13	89
28	2807	150	7/19/91	1009	88.9	446,095	721,817	701,085	9,999	6,667	16,232	36,812	94,494	391,166	0.26	69
28	2807	175	7/19/91	1011	89	378,267	613,478	595,858	9,999	6,812	18,986	47,392	130,582	558,560	1.72	69
28	2807	225	7/19/91	1021	89.7	629,576	1,037,643	1,007,841	9,999	8,696	13,334	19,421	29,566	53,914	0.45	69
28	2807	250	7/19/91	1026	90	693,925	1,151,629	1,118,552	9,999	6,232	16,667	40,146	106,813	432,616	0.93	69
28	2807	300	7/19/91	1056	92	492,472	855,818	831,238	9,999	8,551	21,595	50,291	132,611	569,575	0.64	69
28	2807	475	7/19/91	1114	93.2	618,561	1,105,052	1,073,313	9,999	6,667	16,232	36,233	69,422	332,035	0.68	69
28	2807	102	6/24/92	1330	105.2	330,006	777,179	754,858	9,999	8,696	15,942	27,537	50,581	120,727	1.68	69
28	2807	325	6/24/92	1408	107.6	186,235	463,512	450,200	9,999	8,116	23,913	62,175	179,133	817,260	0.28	69
28	3081	350	10/3/90	1019	79.2	960,161	1,242,637	1,158,562	9,999	14,203	15,652	16,812	18,261	20,290	1.14	71
28	3081	400	10/3/90	1024	79.3	771,173	1,000,349	932,667	9,999	15,652	16,667	17,537	18,551	19,855	0.41	71
28	3081	450	10/3/90	1029	79.4	921,755	1,198,438	1,117,353	9,999	20,290	20,290	20,290	20,290	20,435	1.85	71
28	3081	475	10/3/													

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
28	3083	0	10/15/09	851	64.4	362,760	333,902	330,320	9,999	20,580	20,725	20,725	20,725	20,725	1.81	68
28	3083	450	10/15/09	947	65.5	922,914	871,287	861,941	9,999	18,696	22,029	25,218	28,986	34,638	1.96	68
28	3085	325	10/16/09	924	66.6	751,317	727,484	719,317	9,999	16,957	27,971	41,015	60,001	96,523	1.92	68
28	3085	50	7/24/91	925	95.5	405,369	763,573	755,001	9,999	23,044	29,566	35,218	41,595	50,581	1.04	68
28	3085	125	7/24/91	943	96.8	167,394	324,893	321,246	9,999	17,971	28,996	42,899	63,769	105,813	0.82	68
28	3085	302	7/24/91	1020	99.4	266,671	549,511	543,342	9,999	19,710	34,493	51,015	73,624	114,060	0.45	68
28	3085	500	7/24/91	1053	101.8	251,309	547,277	541,133	9,999	19,710	33,914	49,711	70,871	108,118	0.33	68
28	3087	0	10/12/09	858	58.5	308,121	247,583	239,605	9,999	17,971	20,580	22,899	25,653	29,566	1	69
28	3087	50	10/12/09	903	58.6	451,602	363,710	351,990	9,999	16,522	20,000	23,189	27,247	33,479	0.84	69
28	3087	225	10/12/09	924	58.7	347,687	280,665	271,621	9,999	18,696	19,566	20,290	21,160	22,174	0.93	69
28	3087	250	10/12/09	927	58.8	752,911	609,177	589,547	9,999	21,160	23,189	25,073	27,102	30,290	0.03	69
28	3087	275	10/12/09	930	58.8	406,384	328,803	318,208	9,999	14,058	19,276	24,783	32,319	45,508	1.86	69
28	3087	300	10/12/09	933	58.8	859,725	695,600	673,184	9,999	6,522	18,841	48,552	140,002	640,156	0.41	69
28	3087	325	10/12/09	936	58.8	1,118,425	904,913	875,753	9,999	5,507	17,102	45,798	134,495	601,315	0.27	69
28	3087	0	7/22/91	943	92.8	191,308	338,635	327,723	9,999	20,290	20,435	20,580	20,580	20,725	0.03	69
28	3087	276	7/22/91	1019	95.5	402,036	757,294	732,891	9,999	18,696	19,276	19,855	20,435	21,305	0.4	69
28	3087	400	7/22/91	1037	96.9	185,221	360,321	348,709	9,999	18,696	18,696	18,696	18,696	18,841	0.52	69
28	3087	475	7/22/91	1045	97.5	250,149	493,400	477,500	9,999	20,870	21,015	21,015	21,015	21,015	0.12	69
28	3087	500	7/22/91	1048	97.7	216,815	429,825	415,781	9,999	19,566	19,566	19,566	19,566	19,566	1.46	69
28	3089	25	11/19/09	2931	56.3	258,555	197,494	191,428	9,999	16,812	27,102	39,711	59,131	100,292	1.64	69
28	3089	350	11/19/09	21031	59.4	343,919	282,134	273,470	9,999	47,392	47,392	47,537	47,537	47,537	1.01	69
28	3090	0	10/24/09	902	58.2	157,974	126,082	122,072	33,189	14,493	18,841	23,334	28,986	38,262	0.09	69
28	3090	25	10/24/09	908	58.4	475,225	380,978	368,918	13,334	26,812	26,957	26,957	26,957	26,957	1.72	69
28	3090	75	10/24/09	913	58.6	206,235	166,098	160,840	36,522	13,623	19,566	26,087	35,073	51,305	1.46	69
28	3090	100	10/24/09	916	58.7	301,889	243,696	235,981	29,276	27,102	27,682	28,116	28,551	29,276	0.3	69
28	3090	125	10/24/09	920	58.8	318,121	257,331	249,243	38,998	17,626	22,484	27,102	32,754	41,885	0.83	69
28	3090	150	10/24/09	923	58.9	304,208	246,701	238,891	24,928	25,363	25,363	25,363	25,363	25,508	1.77	69
28	3090	175	10/24/09	925	59	326,382	265,294	256,895	18,261	25,653	25,653	25,653	25,653	25,798	1.91	69
28	3090	200	10/24/09	928	59.1	285,367	232,490	225,130	25,653	27,682	27,682	27,827	27,827	27,827	1.11	69
28	3090	225	10/24/09	931	59.2	221,743	181,071	175,339	20,435	21,160	21,595	21,884	22,174	22,609	0.7	69
28	3090	250	10/24/09	934	59.3	244,497	200,112	193,777	20,145	19,855	20,580	21,160	21,740	22,609	0.3	69
28	3090	276	10/24/09	937	59.4	213,047	174,774	169,241	17,537	22,609	22,609	22,609	22,754	22,754	1.71	69
28	3090	300	10/24/09	940	59.5	218,989	180,082	174,362	24,058	15,508	17,971	20,290	22,899	26,957	0.26	69
28	3090	325	10/24/09	942	59.6	199,714	164,592	159,381	22,484	24,493	24,493	24,638	24,638	24,783	1.24	69
28	3090	375	10/24/09	948	59.8	225,511	186,710	180,800	24,203	10,870	14,638	18,551	23,913	32,899	0.03	69
28	3090	400	10/24/09	950	59.8	262,323	217,189	210,313	12,754	14,783	15,508	16,087	16,812	17,681	0.88	69
28	3090	425	10/24/09	953	59.9	217,250	180,285	174,578	16,957	19,421	20,725	21,884	23,189	24,928	0.48	69
28	3090	475	10/24/09	959	60.1	131,017	109,226	105,768	18,986	17,971	18,886	20,000	20,870	22,174	0.54	69
28	3090	500	10/24/09	1002	60.2	233,772	195,341	189,157	18,551	24,348	24,348	24,348	24,348	24,493	1.95	69
28	3091	50	11/9/92	1416	70.7	396,818	422,271	380,108	9,999	29,421	30,601	30,580	31,160	31,885	1.58	73
28	3091	51	10/18/08	91101	65.2	957,987	898,172	808,490	9,999	23,044	29,276	35,508	43,624	57,392	1.53	73
28	3091	425	10/18/08	91227	64.5	547,690	505,284	454,831	9,999	23,479	24,203	24,783	25,363	26,087	0.98	73
28	3093	0	11/10/08	91031	69.4	1,113,352	1,149,827	942,217	293,338	23,624	29,566	35,218	42,609	54,539	0.46	77
28	3093	25	11/10/08	91042	70.1	1,032,047	1,083,177	887,601	227,395	29,276	34,493	39,276	45,073	53,789	0.52	77
28	3093	100	11/10/08	91056	71.1	844,362	906,836	743,100	146,814	32,609	35,218	37,537	40,001	43,334	0.27	77
28	3093	300	11/10/08	91125	73	1,053,786	1,182,367	968,882	225,365	21,595	30,145	39,711	53,044	77,682	0.03	77
28	3093	350	11/10/08	91132	73.5	1,031,322	1,170,561	959,209	172,901	22,899	33,769	46,378	64,539	100,002	0.06	77
28	3093	375	11/10/08	91135	73.7	1,032,771	1,177,617	964,989	168,959	24,783	31,885	38,986	47,972	63,334	0.95	77
28	3093	475	11/10/08	91147	74.5	903,494	1,049,361	859,891	359,426	18,406	26,377	35,653	49,131	76,523	0.69	77
28	3093	2	11/25/09	2847	67.9	1,124,222	1,121,636	919,116	280,584	20,870	26,957	33,044	40,870	54,494	0.03	77
28	3093	25	11/25/09	2852	68	1,227,412	1,227,412	1,005,794	222,033	23,479	29,131	34,783	41,740	53,334	0.24	77
28	3093	50	11/25/09	2856	68	1,113,207	1,113,207	912,209	193,337	26,667	30,870	34,783	39,421	46,378	0.28	77
28	3093	75	11/25/09	2858	68	989,872	989,872	811,143	114,205	23,913	31	34,203	40,580	50,436	0.1	77
28	3093	100	11/25/09	2902	68	787,984	787,984	645,708	113,045	31,160	33,044	34,493	36,088	38,282	0.11	77
28	3093	150	11/25/09	2909	68.1	1,022,771	1,025,129	840,034	242,033	23,769	28,841	33,624	39,711	49,276	0.06	77
28	3093	175	11/25/09	2911	68.1	1,099,584	1,102,119	903,123	213,337	23,769	29,276	34,638	41,305	52,030	0.21	77
28	3093	200	11/25/09	2914	68.1	1,191,614	1,194,361	976,710	180,293	24,348	29,566	34,493	40,725	50,581	0.44	77
28	3093	225	11/25/09	2918	68.2	1,064,366	1,069,279	876,212	178,264	24,348	29,566	34,348	40,435	49,856	0.12	77
28	3093	250	11/25/09	2921	68.2	1,100,888	1,105,970	906,279	344,844	15,797	25,218	32,247	36,378	41,118	0.39	77
28	3093	277	11/25/09	2927	68.2	1,097,120	1,102,184	903,176	348,122	14,638	26,522	43,334	73,190	147,394	0.01	77
28	3093	325	11/25/09	2932	68.3	1,131,613	1,139,457	933,720	287,831	13,334	27,537	50,581	96,668	232,033	0.18	77
28	3093	375	11/25/09	2937	68.3	1,126,396	1,134,204	929,415	222,323	16,522	28,551	45,218	73,480	140,582	0.32	77
28	3093	400	11/25/09	2940	68.3	1,202,194	1,210,528	991,958	287,106	16,522	28,696	45,363	73,914	141,686	0.33	77
28	3093	425	11/25/09	2943	68.4	1,036,539	1,046,130	857,244	477,834	12,899	22,899	36,957	61,740	123,335	0.24	77
28	3094	0	11/17/08	9917	56.1	1,634,521	1,242,769	1,023,013	9,999	16,377	42,320	98,407	253,193	986,249	1.29	76
28	3094	75	11/17/08	9933	56.8	1,447,271	1,118,278	920,636	9,999	19,421	42,175	83,480	179,568	540,009	0.37	76
28	3094	100	11/17/08	9944	57.3	1,523,794	1,191,040	980,431	9,999	18,116	42,609	94,060	232,033	697,841	1.43	76
28	3094	176	11/17/08	9953	57.6	1,585,824	1,248,116	1,027,415	9,999	27,971	46,957	73,914	122,466	251,454	0.26	76
28	3094	250	11/17/08	91002	58	1,444,227	1,147,191	9								

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
32	1030	175	3/4/92	1349	48.8	1,208,861	776,920	667,563	162,177	24,058	31,885	39,856	50,291	67,827	0.48	75
32	1030	200	3/4/92	1352	48.8	1,208,426	776,641	667,316	1,334,081	14,058	30,870	59,276	118,263	295,672	0.03	75
32	1030	225	3/4/92	1355	48.8	1,155,654	74,329	62,909	#####	19,710	27,102	35,943	48,117	70,001	0.17	75
32	1030	250	3/4/92	1358	48.7	1,685,101	1,080,503	914,492	1,594	76,523	79,856	83,045	86,523	91,596	0	75
32	7000	350	5/5/89	1006	74.1	202,612	233,166	295,892	7,536	67,827	67,972	67,972	68,117	68,262	0.89	58
32	7000	0	9/13/91	1549	91.1	361,455	615,254	780,769	82,900	28,406	41,885	56,523	76,378	111,886	0.98	58
32	7000	75	9/13/91	1557	90.6	360,151	608,017	769,048	11,594	45,073	49,421	53,334	57,537	63,189	1.01	58
32	7000	100	9/13/91	1600	90.5	181,887	305,353	387,498	22,609	34,203	43,769	53,044	63,914	80,291	0.54	58
32	7000	150	9/13/91	1607	90.1	278,411	463,112	587,697	12,029	52,320	52,465	52,465	52,610	52,610	1.92	58
32	7000	175	9/13/91	1610	89.9	185,076	308,443	388,881	16,522	43,479	47,247	50,581	53,914	58,262	1.16	58
32	7000	200	9/13/91	1615	89.6	158,988	261,436	331,766	16,377	40,291	44,349	47,682	51,305	55,943	0.29	58
32	7000	225	9/13/91	1618	89.5	183,047	300,304	381,091	33,334	29,421	37,972	46,233	56,943	70,871	0.55	58
32	7000	250	9/13/91	1623	89.2	210,728	343,339	435,703	16,232	41,015	45,653	49,711	53,914	59,711	1	58
32	7000	275	9/13/91	1626	89	223,192	361,975	459,353	28,551	32,319	40,870	48,841	58,262	72,465	0.55	58
32	7000	300	9/13/91	1628	88.9	333,774	540,073	685,362	35,363	29,566	36,522	42,999	50,436	61,740	0.07	58
32	7000	325	9/13/91	1631	88.7	287,251	462,660	587,124	12,174	47,972	48,552	49,131	49,566	50,146	1.52	58
32	7000	350	9/13/91	1634	88.6	176,960	284,364	360,862	36,522	28,261	36,377	44,204	53,334	67,248	0.49	58
32	7000	375	9/13/91	1638	88.3	242,758	387,412	491,633	30,001	41,160	41,740	42,320	42,754	43,334	1.63	58
32	7000	400	9/13/91	1641	88.2	302,469	481,594	611,151	20,435	42,899	44,059	45,073	46,088	47,247	0.3	58
32	7000	425	9/13/91	1644	88	236,526	374,868	475,714	36,957	27,682	34,348	40,725	48,117	59,131	1.68	58
32	7000	450	9/13/91	1649	87.7	368,702	580,331	736,449	24,783	27,971	33,334	38,406	44,349	52,899	0.52	58
32	7000	475	9/13/91	1651	87.6	371,166	582,865	739,666	13,913	30,580	35,943	41,160	46,957	55,508	0.48	58
32	7000	500	9/13/91	1656	87.3	432,906	675,139	856,764	11,594	49,421	49,566	49,566	49,566	49,711	1.51	58
34	1033	175	7/12/91	1100	90.6	617,982	1,039,861	1,243,124	11,160	84,494	84,639	84,784	84,784	84,929	1.65	60
34	1033	475	7/12/91	1141	93.4	368,412	661,202	790,447	11,594	54,059	68,407	84,639	105,219	138,553	0.05	60
34	1033	150	5/16/89	1019	60.4	1,460,170	1,225,754	1,485,353	20,435	43,044	65,383	96,089	145,075	248,410	0.46	60
34	1033	175	5/16/89	1022	60.4	1,451,184	1,218,211	1,455,336	15,797	37,247	52,755	72,610	102,176	160,592	0.1	60
34	1034	50	7/9/91	1118	87.7	592,474	932,544	1,045,454	9,999	13,334	21,595	32,319	49,131	85,074	1.57	63
34	1034	75	7/9/91	1121	87.9	521,168	824,096	923,876	9,999	18,841	24,348	30,001	37,247	49,131	0.03	63
34	1034	100	7/9/91	1124	88	378,412	599,743	672,359	9,999	20,145	23,769	27,247	31,160	38,812	0.84	63
34	1034	125	7/9/91	1129	88.2	430,877	686,046	769,111	9,999	10,580	18,696	29,711	48,552	92,610	1.4	63
34	1034	150	7/9/91	1132	88.3	344,933	560,472	617,122	9,999	11,449	18,696	27,827	42,030	71,450	1.28	63
34	1034	225	7/9/91	1143	88.8	557,836	900,547	1,009,583	9,999	7,391	22,899	62,465	190,728	939,726	1.78	63
34	1034	325	7/9/91	1156	89.4	227,250	371,967	417,004	9,999	20,000	22,464	24,638	26,957	30,145	1.49	63
34	1034	375	7/9/91	1203	89.8	276,671	457,051	512,389	9,999	22,609	22,754	22,899	22,899	23,044	1.63	63
34	1034	425	7/9/91	1211	90.1	331,600	551,587	618,373	9,999	23,769	24,203	24,783	25,218	25,798	1.71	63
34	1034	500	7/9/91	1226	90.8	282,614	477,741	535,586	9,999	26,087	26,087	26,087	26,232	26,232	0.81	63
34	1034	150	5/9/89	1019	60.8	1,165,382	987,344	1,106,890	9,999	12,464	17,971	24,403	34,059	53,044	0.41	63
34	1034	275	5/9/89	1036	61.4	1,085,526	932,481	1,045,364	9,999	6,522	20,870	57,972	175,800	809,434	1.34	63
34	1034	300	5/9/89	1039	61.6	875,957	755,932	847,459	9,999	9,565	19,131	34,348	64,059	147,394	1.64	63
34	1034	325	5/9/89	1046	61.8	575,807	499,203	559,645	9,999	22,319	23,189	23,913	24,638	25,508	0.81	63
34	1034	375	5/9/89	1052	62.1	1,336,255	1,166,512	1,307,751	9,999	6,232	21,305	60,291	185,076	850,884	1.29	63
34	1034	400	5/9/89	1055	62.2	910,740	796,883	893,368	9,999	15,363	21,305	28,116	37,392	54,639	0.82	63
34	1034	425	5/9/89	1059	62.3	1,183,788	1,038,183	1,163,885	9,999	10,435	20,145	34,928	63,046	139,713	1.66	63
34	1034	450	5/9/89	1102	62.4	997,843	877,127	983,327	9,999	25,942	26,087	26,087	26,087	26,087	1.05	63
34	1034	504	5/9/89	1122	63.2	949,292	849,962	952,874	9,999	25,363	25,363	25,508	25,508	25,798	0.75	63
34	1638	50	5/9/89	1432	72.3	968,712	1,069,534	1,202,202	9,999	19,566	24,783	30,290	37,537	50,436	0.54	63
34	1638	75	5/9/89	1435	72.3	896,537	989,847	1,112,631	9,999	18,406	24,783	32,030	42,484	62,755	0.08	63
34	1638	100	5/9/89	1441	72.3	859,145	948,564	1,066,226	9,999	16,377	23,044	31,015	42,754	67,103	1.24	63
34	1638	125	5/9/89	1452	72.3	775,376	856,078	962,265	9,999	29,711	29,711	29,856	30,001	30,001	0.65	63
34	1638	150	5/9/89	1455	72.4	710,012	785,716	883,179	9,999	30,435	30,580	30,580	30,580	30,580	1.25	63
34	1638	175	5/9/89	1458	72.4	718,703	795,339	892,995	9,999	27,682	27,827	27,971	27,971	28,116	0.38	63
34	1638	200	5/9/89	1504	72.4	894,219	989,563	1,112,311	9,999	18,261	24,348	31,160	40,870	59,421	1.03	63
34	1638	225	5/9/89	1507	72.4	838,275	927,655	1,042,724	9,999	30,580	30,725	30,725	30,725	30,725	0.26	63
34	1638	350	5/9/89	1529	72.5	695,084	770,970	866,603	9,999	34,638	34,783	34,783	34,783	34,928	1.15	63
34	1638	375	5/9/89	1535	72.5	601,025	666,641	749,333	9,999	33,769	34,348	34,783	35,363	36,098	0.13	63
34	1638	400	5/9/89	1538	72.5	895,667	993,452	1,116,682	9,999	13,913	33,769	77,538	200,583	839,579	1.29	63
34	1638	425	5/9/89	1544	72.5	679,722	753,930	847,450	9,999	32,174	36,377	40,291	44,783	51,740	0.22	63
34	1638	450	5/9/89	1547	72.5	808,854	897,161	1,008,447	9,999	45,653	46,088	46,378	48,812	47,392	0.89	63
34	1638	475	5/9/89	1550	72.5	1,075,091	1,192,464	1,340,380	9,999	29,131	38,406	48,407	62,320	88,117	1.05	63
34	1638	502	5/9/89	1553	72.5	898,566	996,667	1,120,296	9,999	37,392	37,392	37,392	37,392	37,392	0.85	63
35	2118	50	7/26/89	851	72.4	578,705	640,409	669,906	13,623	16,957	31,740	59,276	120,002	317,687	0.51	66
35	2118	175	7/26/89	919	73.6	597,546	679,785	711,095	8,116	30,001	30,725	31,450	32,319	33,479	0.77	66
35	2118	275	7/26/89	939	74.5	473,341	549,762	575,083	10,145	33,769	38,841	44,783	52,320	64,494	0.14	66
35	2118	325	7/26/89	948	74.9	579,720	679,545	710,844	11,739	19,710	30,001	45,508	72,900	139,278	0.1	66
35	2118	375	7/26/89	956	75.2	467,254	551,510	576,912	7,247	44,638	44,928	45,218	45,508	45,943	0.76	66
35	2118	402	7/26/89	1001	75.4	505,371	599,253	626,854	6,812	69,277	70,725	72,320	74,349	77,248	0.6	66
35	2118	450	7/26/89	1007	75.7	468,414	559,280	585,040	8,116	86,523	87,103	87,683	88,407	89,567	1.22	66
35	2118	475	7/26/89	1013	75.9	585,807	702,675	735,040	6,667	67,392	68,697	70,001	71,740	74,059	0.06	66
36	1008	50	8/2/90													

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
36	1008	400	7/31/89	1230	83.4	232,468	331,408	466,188	8,551	33,769	33,769	33,914	33,914	34,059	0.76	53
36	1008	450	7/31/89	1245	84.2	284,643	413,333	581,431	8,551	27,827	30,001	32,030	34,493	37,682	0.49	53
36	1008	475	7/31/89	1247	84.3	324,063	471,661	663,481	7,536	39,276	39,421	39,421	39,421	39,566	0.61	53
36	1008	502	7/31/89	1256	84.7	412,905	606,528	853,196	9,710	43,914	44,059	44,059	44,059	44,204	1.79	53
36	1644	0	11/18/09	3934	38.2	516,096	259,855	415,671	24,783	18,841	27,247	37,537	52,320	80,581	0	48
36	1644	25	11/18/09	3936	38.2	396,963	199,871	319,720	61,305	7,391	21,595	55,218	154,640	678,852	1.47	48
36	1644	51	11/18/09	3939	38.2	721,896	363,475	581,426	30,870	20,290	27,392	35,363	46,378	66,088	0.68	48
36	1644	75	11/18/09	3942	38.2	735,855	370,554	582,749	15,652	34,348	34,493	34,638	34,638	34,783	0.64	48
36	1644	100	11/18/09	3944	38.2	576,676	290,367	454,464	34,493	14,058	22,454	33,624	51,305	89,422	0.33	48
36	1644	125	11/18/09	3947	38.3	616,387	311,067	497,592	27,392	20,145	26,957	34,783	45,363	64,059	0.2	48
36	1644	150	11/18/09	3950	38.3	569,140	287,223	459,451	44,204	13,768	24,058	38,551	63,189	123,335	0.03	48
36	1644	175	11/18/09	3952	38.3	487,400	245,972	393,464	33,914	16,377	27,827	43,769	70,146	130,727	0.27	48
36	1644	200	11/18/09	3955	38.3	706,969	356,780	570,716	39,856	16,667	25,942	37,827	56,233	94,639	0.89	48
36	1644	225	11/18/09	3958	38.3	953,205	481,045	769,495	82,900	8,886	27,537	72,465	204,206	835,377	0.12	48
36	1644	250	11/18/09	31000	38.3	1,727,711	871,909	1,364,731	45,853	10,000	24,493	58,088	139,568	510,154	0.33	48
36	1644	274	11/18/09	31004	38.4	821,608	415,590	664,790	67,682	10,000	28,406	70,001	183,047	676,243	0.04	48
36	1644	301	11/18/09	31007	38.4	666,823	337,295	539,548	49,856	11,160	29,131	67,103	191,307	516,531	0.27	48
36	1644	325	11/18/09	31009	38.4	980,017	495,717	792,963	95,219	7,681	23,769	62,610	178,815	734,070	1.01	48
36	1644	351	11/18/09	31012	38.4	1,029,438	520,715	832,951	82,320	8,261	25,363	67,248	191,453	800,448	0.95	48
36	1644	375	11/18/09	31014	38.5	547,835	277,747	444,293	32,609	15,218	20,145	25,363	32,174	44,059	0.32	48
36	1644	400	11/18/09	31017	38.5	530,734	269,077	430,424	48,552	11,864	20,000	31,160	49,856	94,060	0.26	48
36	1644	426	11/18/09	31020	38.5	548,270	277,968	444,546	81,596	6,812	17,102	37,102	83,480	249,859	0.64	48
36	1644	450	11/18/09	31024	38.5	646,243	327,639	524,101	28,261	16,232	20,435	24,783	30,435	39,711	0.04	48
36	1644	475	11/18/09	31027	38.5	534,792	271,134	433,715	27,971	17,537	21,884	26,232	31,740	40,725	0.17	48
36	1644	500	11/18/09	31029	38.6	578,705	294,075	470,411	45,363	12,464	17,971	24,493	33,624	51,160	0.1	48
36	1644	0	5/23/90	1002	65.8	465,370	442,383	707,649	19,421	25,218	32,174	40,001	50,291	67,248	0.63	48
36	1644	25	5/23/90	1005	64	555,662	506,769	810,644	15,508	30,870	33,044	35,073	37,102	40,146	0.66	48
36	1644	50	5/23/90	1008	62.2	516,875	452,083	723,165	24,348	23,044	28,551	34,348	41,595	53,189	0.56	48
36	1644	75	5/23/90	1010	61	579,575	493,298	789,095	16,087	34,059	34,348	34,638	34,928	35,218	0.64	48
36	1644	100	5/23/90	1013	59.2	474,936	387,824	620,375	26,812	18,406	25,363	33,199	44,059	63,914	0.39	48
36	1644	125	5/23/90	1015	58	546,096	433,780	693,887	26,812	24,203	29,276	34,348	40,435	50,146	0.18	48
36	1644	150	5/23/90	1018	56.2	502,327	382,813	612,359	30,870	15,508	25,653	39,276	61,305	109,857	0.08	48
36	1644	175	5/23/90	1021	54.4	492,617	360,172	576,141	23,334	31,450	37,972	44,638	52,899	65,508	0.42	48
36	1644	200	5/23/90	1023	53.2	574,792	408,800	653,929	23,913	31,015	34,638	38,262	42,320	48,117	1	48
36	1644	225	5/23/90	1026	51.4	679,722	463,800	741,909	53,624	16,377	27,827	43,624	69,856	128,988	0.01	48
36	1644	250	5/23/90	1028	50.2	1,022,626	678,761	1,085,787	26,232	21,015	29,421	39,566	54,204	82,175	0.49	48
36	1644	300	5/23/90	1034	46.6	464,791	283,960	454,231	35,943	20,000	31,015	45,363	66,813	110,582	0.22	48
36	1644	325	5/23/90	1036	45.4	825,666	490,687	784,918	23,334	29,566	32,899	35,943	39,421	44,638	1.04	48
36	1644	350	5/23/90	1039	43.6	621,460	354,334	568,804	46,088	16,812	26,522	39,276	58,987	100,292	0.55	48
36	1644	375	5/23/90	1042	41.8	536,631	293,491	469,477	15,073	26,232	26,667	27,247	27,682	28,406	0.78	48
36	1644	400	5/23/90	1045	40	597,981	313,825	502,004	26,957	22,029	24,203	26,232	28,406	31,740	0.54	48
36	1644	425	5/23/90	1047	38.8	526,241	268,649	429,738	34,638	18,551	22,319	25,942	30,290	37,392	0.31	48
36	1644	450	5/23/90	1050	37	426,529	208,905	334,171	36,377	16,232	20,580	24,783	30,145	38,986	0.37	48
36	1644	475	5/23/90	1052	35.8	476,240	226,895	362,949	34,928	18,841	22,754	26,522	31,160	38,406	0.41	48
36	1644	500	5/23/90	1055	34	911,610	416,686	666,544	16,522	25,522	25,522	26,522	26,667	26,667	1.05	48
36	1644	0	7/24/89	1015	77.2	250,584	309,709	495,419	25,073	35,798	40,870	45,798	51,305	59,131	0.07	48
36	1644	25	7/24/89	1018	77.3	313,629	388,522	621,491	24,928	35,073	39,711	44,059	48,986	55,943	0.59	48
36	1644	50	7/24/89	1027	77.6	382,470	477,087	763,183	25,073	45,943	45,943	45,943	46,088	46,088	1.3	48
36	1644	75	7/24/89	1030	77.7	312,034	390,124	624,054	29,711	34,059	37,682	40,870	44,494	49,421	0.26	48
36	1644	100	7/24/89	1036	78	318,701	401,221	641,805	22,609	37,537	38,841	39,711	40,870	42,175	0.66	48
36	1644	125	7/24/89	1038	78	325,223	409,431	654,939	25,073	41,305	43,334	44,928	46,667	49,131	0.48	48
36	1644	150	7/24/89	1041	78.2	345,803	437,350	699,598	29,276	35,943	40,291	44,349	48,841	55,218	1	48
36	1644	175	7/24/89	1044	78.3	324,063	410,800	657,128	23,769	48,986	52,610	55,943	59,421	64,204	1	48
36	1644	200	7/24/89	1047	78.4	331,745	421,506	674,254	28,696	38,262	42,464	46,378	50,726	56,668	0.5	48
36	1644	225	7/24/89	1050	78.5	499,284	635,840	1,017,108	25,508	46,233	46,957	47,827	48,552	49,566	0.24	48
36	1644	250	7/24/89	1053	78.6	656,968	838,579	1,341,416	21,160	41,160	43,914	46,378	49,131	53,044	0.43	48
36	1644	275	7/24/89	1056	78.7	469,718	600,949	961,296	23,624	36,233	41,450	46,378	52,320	60,726	0.35	48
36	1644	300	7/24/89	1059	78.8	316,527	405,892	649,278	36,522	27,682	39,262	49,856	65,363	92,320	0.63	48
36	1644	325	7/24/89	1102	78.9	433,920	567,712	892,133	33,769	34,638	36,857	38,986	41,160	44,059	0.08	48
36	1644	350	7/24/89	1105	79	368,267	474,420	758,897	36,088	30,580	36,522	42,320	49,276	59,566	0.37	48
36	1644	375	7/24/89	1108	79.2	284,642	342,499	547,871	32,030	24,058	27,392	30,290	33,624	38,406	0.56	48
36	1644	400	7/24/89	1111	79.3	281,744	365,472	584,521	35,363	27,102	29,421	31,595	34,059	37,392	0.32	48
36	1644	425	7/24/89	1114	79.4	291,599	379,128	606,455	34,783	23,624	27,102	30,435	34,059	39,566	0.19	48
36	1644	450	7/24/89	1118	79.5	269,425	351,106	561,639	35,653	22,899	25,653	28,116	30,725	34,638	0.22	48
36	1644	475	7/24/89	1121	79.6	253,338	330,902	529,321	34,638	25,798	27,971	30,001	32,030	34,783	0.27	48
36	1644	502	7/24/89	1124	79.8	294,788	386,820	618,769	50,870	17,247	23,189	29,276	37,247	50,726	0.4	48
37	1645	25	3/13/89	1058	56.2	593,488	452,285	424,899	9,999	9,855	25,073	59,421	159,133	688,273	2	71
37	1645	50	3/13/89	1101	56.3	631,460	482,332	453,126	9,999	37,537	37,682	37,682	37,682	37,827	1.33	71
37	1645	125	3/13/89	1110	56.4	837,406	641,115	802,295	9,999	8,406	23,189	57,102	155,365	651,895	0.06	71
37																

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1_68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
37	2819	300	4/13/92	1023	66.5	700,302	676,527	680,932	1,172,774	9,276	13,478	18,696	26,667	44,059	0.27	68
37	2819	501	4/13/92	1046	68.4	294,643	297,369	299,305	1,320,892	12,609	21,595	33,624	53,914	101,016	0.8	68
37	2819	25	12/14/08	81013	36.9	1,349,879	656,621	663,916	501,458	4,348	10,290	22,174	53,044	187,974	0.05	68
37	2819	175	12/14/08	81047	38.8	2,349,170	1,199,263	1,207,072	161,452	5,942	9,855	15,508	25,942	55,798	0.34	68
37	2819	251	12/14/08	81107	40	1,486,837	780,303	785,384	772,767	4,928	12,174	26,087	61,740	208,409	1.06	68
37	2819	400	12/14/08	81127	41.1	1,159,585	624,170	628,234	1,154,078	9,131	20,145	41,595	96,234	343,194	1.06	68
37	2819	0	9/30/92	1152	79.4	489,718	636,717	640,863	1,332,052	7,971	11,160	15,218	21,595	35,653	0.34	68
37	2819	25	9/30/92	1156	80.1	564,357	745,683	750,539	948,683	6,522	9,276	12,754	17,971	29,276	0.41	68
37	2819	50	9/30/92	1203	81.2	518,415	702,550	707,125	3,971,952	6,087	8,986	13,044	20,290	39,421	0.4	68
37	2819	100	9/30/92	1208	82	499,139	689,004	693,490	125,220	12,029	12,029	12,174	12,319	12,454	0.08	68
37	2819	125	9/30/92	1211	82.4	813,637	1,133,524	1,140,905	757,694	5,073	7,826	11,449	17,392	31,895	0.21	68
37	2819	176	9/30/92	1218	83.5	697,838	997,136	1,003,629	1,487,996	4,493	7,102	10,580	16,522	31,160	0.35	68
37	2819	225	9/30/92	1223	84.3	616,677	897,548	903,393	3,737,500	4,638	8,116	13,768	24,493	57,102	0.5	68
37	2819	250	9/30/92	1227	84.9	479,428	707,496	712,103	2,218,878	8,841	11,160	13,913	17,537	24,928	0.24	68
37	2819	275	9/30/92	1230	85.4	596,097	889,850	895,645	3,030,196	7,102	10,145	14,493	21,595	40,146	0.3	68
37	2819	300	9/30/92	1234	86	541,893	820,189	825,529	3,314,259	7,247	11,449	17,392	28,551	59,276	0.34	68
37	2819	326	9/30/92	1237	86.5	729,288	1,116,603	1,123,874	211,598	19,131	19,855	20,580	21,305	22,319	0.23	68
37	2819	351	9/30/92	1242	87.3	489,139	762,838	767,805	2,891,643	10,000	14,783	21,160	31,595	56,813	0.25	68
37	2819	426	9/30/92	1249	88.4	483,486	773,365	778,400	1,218,861	13,044	18,551	25,218	35,653	57,682	0.31	68
37	2819	450	9/30/92	1254	89.2	452,471	737,210	742,010	1,356,545	7,247	18,696	43,624	113,335	454,935	1.12	68
37	2819	475	9/30/92	1258	89.8	402,471	664,866	669,195	5,012,404	7,102	16,232	35,653	87,973	336,383	1.51	68
37	2824	50	10/18/08	91131	75.1	1,060,308	1,248,625	1,269,419	9,999	28,116	28,116	28,116	28,116	28,261	0.41	67
37	2824	375	10/18/08	91304	77.4	842,188	1,045,705	1,063,120	9,999	19,276	19,276	19,276	19,421	19,421	0.52	67
37	2824	25	4/24/91	1022	72.1	682,620	750,204	762,607	9,999	26,377	26,667	26,957	27,392	27,682	1.16	67
37	2824	250	4/24/91	1053	75.6	720,592	858,399	872,695	9,999	18,406	18,406	18,406	18,406	18,406	1.12	67
37	2824	325	4/24/91	1100	76.4	440,297	534,252	543,149	9,999	14,203	14,348	14,348	14,348	14,348	1.91	67
37	2824	376	4/24/91	1105	77	430,732	529,916	538,741	9,999	16,522	16,522	16,522	16,522	16,667	0.99	67
37	2824	400	4/24/91	1108	77.3	494,066	612,048	622,241	9,999	16,522	16,522	16,522	16,667	16,667	1.67	67
37	2824	425	4/24/91	1110	77.5	970,016	1,207,200	1,227,304	9,999	18,551	18,551	18,551	18,551	18,551	1.35	67
37	2824	450	4/24/91	1113	77.8	402,760	504,716	513,121	9,999	14,638	18,551	22,319	26,957	34,638	0.62	67
37	2824	500	4/24/91	1118	78.4	411,166	522,417	531,118	9,999	25,363	25,363	25,363	25,508	25,508	1.05	67
37	2824	50	10/31/09	1119	78.9	795,521	1,022,472	1,039,500	9,999	30,870	30,870	30,870	31,015	31,015	1.46	67
37	2824	325	10/31/09	1147	83.3	812,188	1,155,198	1,174,436	9,999	5,073	13,623	34,493	97,828	456,240	1.4	67
37	2824	425	10/31/09	1157	84.9	580,446	1,004,139	1,020,862	9,999	23,189	23,189	23,189	23,189	23,334	1.83	67
37	2824	475	10/31/09	1202	85.7	632,475	950,689	966,532	9,999	20,870	22,754	24,493	26,377	28,841	0.58	67
37	2824	500	10/31/09	1204	86.1	470,298	713,466	725,347	9,999	27,827	27,971	27,971	28,116	28,116	1.14	67
38	2001	0	9/29/93	1001	46	1,118,425	673,918	1,106,483	726,244	8,261	11,160	14,203	15,551	25,942	0.23	46
38	2001	50	9/29/93	1007	46.6	721,027	440,506	723,252	1,511,330	5,073	8,696	13,623	22,029	40,725	0.12	46
38	2001	100	9/29/93	1013	47.2	541,024	335,132	550,243	720,157	5,797	8,116	10,580	14,203	20,580	1.4	46
38	2001	125	9/29/93	1015	47.4	1,481,185	921,742	1,513,377	1,449	10,725	11,305	11,594	12,029	12,754	0.56	46
38	2001	150	9/29/93	1018	47.7	1,680,318	1,052,911	1,728,740	1,449	6,812	8,986	11,449	15,073	21,595	0.09	46
38	2001	250	9/29/93	1031	49.1	519,284	336,051	551,751	2,488,448	2,464	9,420	29,276	96,234	458,414	1.15	46
38	2001	275	9/29/93	1039	49.9	987,553	650,969	1,068,805	1,449	10,580	12,319	14,203	16,377	20,000	0.42	46
38	2001	325	9/29/93	1045	50.5	414,355	276,932	454,685	901,610	8,261	11,594	15,073	19,855	28,261	0.15	46
38	2001	400	9/29/93	1053	51.4	505,951	345,230	566,821	795,086	9,710	12,899	16,232	20,580	27,827	0.31	46
38	2001	425	9/29/93	1058	51.7	1,250,166	858,950	1,410,281	1,449	8,116	11,884	17,102	25,508	43,914	0.65	46
38	2001	450	9/29/93	1058	51.9	696,879	480,875	789,533	543,343	8,667	12,174	20,290	34,638	70,436	0.82	46
38	2001	475	9/29/93	1101	52.2	1,338,718	930,442	1,527,662	5,362	5,507	10,145	17,826	33,044	76,378	0.01	46
38	2001	500	9/29/93	1103	52.4	435,225	303,888	498,944	2,347,141	6,957	12,319	19,855	33,044	64,349	0.01	46
40	4086	25	5/21/90	1103	81.6	386,963	529,261	507,940	9,999	11,449	17,971	25,798	37,682	62,030	0.77	70
40	4086	51	5/21/90	1105	81.7	374,209	512,997	492,331	9,999	13,334	17,247	21,305	26,667	35,653	0.73	70
40	4086	125	5/21/90	1113	82.1	453,051	626,825	601,578	9,999	5,217	18,116	51,885	160,872	751,897	0.7	70
40	4086	150	5/21/90	1115	82.2	363,774	504,466	484,144	9,999	5,652	19,276	54,204	163,916	731,172	0.7	70
40	4086	175	5/21/90	1121	82.5	449,863	628,174	602,869	9,999	5,507	16,812	45,073	133,625	625,663	0.01	70
40	4086	225	5/21/90	1131	83	462,906	653,873	627,532	9,999	5,507	18,406	52,320	161,017	752,332	0.74	70
40	4086	251	5/21/90	1133	83	341,600	482,523	463,085	9,999	8,841	15,218	32,769	38,282	71,595	0.37	70
40	4086	353	5/21/90	1144	83.6	427,109	611,700	587,058	9,999	6,522	19,131	50,726	150,727	723,491	0.12	70
40	4087	0	12/11/09	838	999.9	9 233844	9,999	1,000	242,903	20,580	30,580	42,609	60,871	98,552	0.08	71
40	4087	100	12/11/09	840	999.9	9 321440	9,999	1,000	110,871	28,551	35,508	42,754	52,030	67,972	0.02	71
40	4087	200	12/11/09	843	999.9	9 227366	9,999	1,000	116,379	12,174	24,783	46,378	92,175	240,584	0.42	71
40	4087	300	12/11/09	846	999.9	9 246192	9,999	1,000	9,420	11,305	18,841	29,856	49,421	100,147	0.24	71
40	4087	500	12/11/09	851	999.9	9 248801	9,999	1,000	110,727	10,870	17,247	25,798	40,146	74,349	0.05	71
40	4087	50	5/23/90	1005	82	802,188	1,107,327	1,040,926	59,856	16,667	25,073	35,218	50,436	80,871	0.35	71
40	4087	76	5/23/90	1008	82.1	615,518	851,610	800,542	171,307	16,377	25,508	36,667	53,479	87,538	0.17	71
40	4087	100	5/23/90	1010	82.2	850,594	1,179,566	1,148,833	79,712	34,783	35,798	36,812	37,682	38,986	0.09	71
40	4087	125	5/23/90	1013	82.3	676,533	940,349	883,961	231,018	21,450	27,971	34,493	43,044	57,537	0.43	71
40	4087	150	5/23/90	1015	82.4	616,677	859,128	807,610	177,829	20,290	30,290	41,885	58,842	91,896	0.73	71
40	4087	175	5/23/90	1020	82.6	666,968	933,480	877,503	133,481	15,363	28,116	46,088	77,248	152,901	0.54	71
40	4087	200	5/23/90	1022	82.7	729,867	1,023,868	962,471	5,652	40,870	41,015					

STATE	SECTION	STATION	DATE	TIME	TEMP	E1(Psi)	E1.68_P	E1_MPT	E2(Psi)	E3(Psi)	E4(Psi)	E5(Psi)	E6(Psi)	E7(Psi)	ERROR%	MAPT
40	4088	100	12/7/90	1120	999.9	9 931030	9.999	1.000	28.696	21.160	29.421	38.276	53.479	81.016	0.07	67
40	4088	500	12/7/90	1134	999.9	9 818420	9.999	1.000	4.783	13.623	24.058	41.885	78.407	190.003	0.5	67
40	4088	50	4/26/93	1131	67.2	686,968	674,430	690,138	3,768	44,638	46,667	48,552	50,870	54,204	1.91	67
40	4088	100	4/26/93	1136	67.5	562,039	555,605	568,545	6,232	46,378	46,523	46,523	46,523	46,667	0.81	67
40	4088	125	4/26/93	1138	67.6	589,430	584,026	597,629	5,652	40,145	40,291	40,291	40,291	40,435	1.33	67
40	4088	475	4/26/93	1230	70.6	96,089	102,017	104,393	3,768	28,406	28,406	28,551	28,696	28,696	1.01	67
40	4154	50	5/5/93	1051	74.1	486,530	559,899	541,446	9,999	9,565	18,261	31,885	58,987	139,713	1.1	69
40	4154	75	5/5/93	1054	74.1	419,862	483,178	467,253	9,999	9,276	17,392	30,580	57,972	147,974	0.95	69
40	4154	100	5/5/93	1057	74.2	551,314	635,915	614,956	9,999	8,812	17,247	39,566	100,147	380,566	1.13	69
40	4154	225	5/5/93	1114	74.5	399,137	463,577	448,299	9,999	13,334	17,826	22,999	29,856	43,479	0.19	69
40	4154	250	5/5/93	1135	74.8	375,659	439,332	424,853	9,999	8,261	18,551	38,117	84,784	268,845	1.97	69
40	4154	275	5/5/93	1138	74.9	528,705	619,745	599,320	9,999	5,217	13,044	29,276	72,610	270,729	1.96	69
40	4154	300	5/5/93	1140	74.9	398,992	467,697	452,283	9,999	13,768	19,855	27,247	38,985	65,363	0.42	69
40	4154	325	5/5/93	1156	75.2	686,244	809,987	783,292	9,999	10,290	15,363	22,174	33,479	61,016	1.73	69
40	4154	350	5/5/93	1200	75.2	440,587	520,034	502,895	9,999	24,493	24,493	24,493	24,493	24,638	0.55	69
40	4154	375	5/5/93	1203	75.3	462,617	547,295	529,257	9,999	14,638	19,276	24,348	31,450	45,073	0.14	69
40	4154	425	5/5/93	1215	75.5	421,167	500,557	484,060	9,999	15,218	20,000	25,363	32,754	46,812	0.56	69
40	4154	477	5/5/93	1223	75.6	394,789	470,290	454,790	9,999	22,464	25,218	27,682	30,580	35,073	0.69	69
40	4154	500	5/5/93	1228	75.7	534,212	637,843	616,821	9,999	5,652	13,913	30,870	75,943	283,048	1.97	69
40	4154	0	5/17/90	1150	79.6	404,645	529,535	511,111	9,999	11,884	15,797	20,290	26,667	39,131	1.54	69
40	4154	25	5/17/90	1153	79.7	423,341	554,230	535,933	9,999	10,870	16,232	22,899	33,334	56,523	0.47	69
40	4154	50	5/17/90	1201	80.2	507,690	672,355	650,195	9,999	7,536	18,261	40,725	100,436	378,122	1.86	69
40	4154	75	5/17/90	1203	80.3	435,225	577,715	558,675	9,999	8,841	18,406	35,363	73,190	209,279	1.61	69
40	4154	100	5/17/90	1206	80.5	368,992	492,058	475,841	9,999	18,551	22,609	26,522	31,595	40,001	0.01	69
40	4154	125	5/17/90	1208	80.6	353,339	472,272	456,707	9,999	8,116	16,377	31,015	63,189	179,278	1.06	69
40	4154	175	5/17/90	1213	80.9	361,310	466,273	470,247	9,999	6,957	18,406	42,899	110,727	434,790	1.89	69
40	4154	200	5/17/90	1216	81	318,991	430,307	416,125	9,999	11,739	18,116	26,087	38,551	65,508	1.44	69
40	4154	225	5/17/90	1221	81.3	413,485	561,643	543,132	9,999	8,116	16,812	32,030	65,943	189,554	1.26	69
40	4154	300	5/17/90	1228	81.7	392,036	537,435	519,722	9,999	10,145	17,826	29,566	51,595	114,929	1.45	69
40	4154	325	5/17/90	1232	82	397,253	548,352	530,289	9,999	6,667	15,363	33,334	81,016	308,121	1.93	69
40	4154	350	5/17/90	1235	82.1	374,499	518,114	501,067	9,999	11,160	17,537	25,232	40,870	76,668	1.15	69
40	4154	375	5/17/90	1242	82.5	379,717	530,224	512,749	9,999	6,377	15,652	35,073	87,248	333,484	0.14	69
40	4154	400	5/17/90	1248	82.9	394,065	555,351	537,048	9,999	6,232	14,638	32,030	78,407	296,237	1.37	69
40	4154	425	5/17/90	1251	83	462,906	653,873	632,322	9,999	6,087	15,797	36,233	92,031	351,745	0.38	69
40	4154	475	5/17/90	1259	83.5	294,498	420,806	406,937	9,999	6,957	18,986	45,363	119,277	476,965	0.54	69
40	4163	0	5/24/90	1001	77	694,215	854,071	852,016	9,999	30,580	32,174	33,479	34,783	36,667	0.55	68
40	4163	26	5/24/90	1005	77.1	948,277	1,169,325	1,166,511	9,999	12,899	27,102	50,870	99,277	244,497	1.1	68
40	4163	150	5/24/90	1018	77.5	762,912	949,455	947,170	9,999	27,392	28,406	29,276	30,001	31,160	1.7	68
40	4163	200	5/24/90	1023	77.6	771,607	962,490	960,174	9,999	23,479	26,377	28,841	31,885	36,068	1.52	68
40	4163	225	5/24/90	1025	77.7	915,233	1,144,278	1,141,525	9,999	20,580	26,667	32,899	41,160	55,363	1.63	68
40	4163	250	5/24/90	1028	77.7	799,724	999,862	997,456	9,999	19,276	25,798	32,899	42,609	59,566	0.85	68
40	4163	325	5/24/90	1035	77.9	821,898	1,032,329	1,029,845	9,999	8,406	25,942	70,436	211,308	998,133	1.87	68
40	4163	375	5/24/90	1041	78.1	813,927	1,027,035	1,024,564	9,999	25,942	26,232	26,522	26,667	27,102	1.25	68
40	4163	400	5/24/90	1044	78.2	789,434	998,426	996,023	9,999	24,493	28,406	32,030	36,522	43,044	0.08	68
40	4163	75	4/29/93	928	62.4	1,340,747	1,178,547	1,175,711	9,999	7,681	23,334	61,885	181,018	917,840	1.25	68
40	4163	300	4/29/93	955	62.5	1,389,734	1,233,234	1,230,267	9,999	7,681	24,340	65,798	195,076	883,058	0.58	68
40	4163	325	4/29/93	1001	62.6	1,347,849	1,190,258	1,187,394	9,999	7,391	23,189	62,900	187,105	847,261	1.11	68
40	4164	25	4/28/93	951	66.6	641,895	621,533	635,648	9,999	7,681	22,754	60,146	175,800	804,796	0.62	67
40	4164	50	4/28/93	954	66.6	654,939	634,163	648,564	9,999	7,536	20,870	53,334	153,046	709,142	1.09	67
40	4164	75	4/28/93	957	66.6	629,431	609,464	623,305	9,999	7,391	20,580	52,755	151,887	710,862	1.12	67
40	4164	100	4/28/93	959	66.6	672,475	651,143	665,930	9,999	8,261	24,058	63,199	185,655	872,624	1.55	67
40	4164	125	4/28/93	1002	67	633,924	615,229	629,761	9,999	8,116	23,334	61,305	178,409	845,956	0.7	67
40	4164	150	4/28/93	1008	67.7	566,821	560,106	562,399	9,999	7,971	23,334	61,180	180,293	859,725	0.2	67
40	4164	175	4/28/93	1012	66.8	614,648	597,897	611,475	9,999	9,131	26,667	70,726	209,859	1,005,234	0.82	67
40	4164	200	4/28/93	1014	66.8	747,984	727,599	744,123	9,999	8,116	25,653	70,726	213,047	988,278	0.49	67
40	4164	225	4/28/93	1017	66.8	656,098	638,218	652,712	9,999	7,681	21,305	54,639	157,684	738,853	1.16	67
40	4164	250	4/28/93	1020	66.8	659,287	641,319	655,884	9,999	7,536	21,015	53,189	152,466	710,882	1.16	67
40	4164	300	4/28/93	1030	66.9	569,140	554,906	567,508	9,999	6,957	19,710	51,160	148,998	703,055	1.29	67
40	4164	350	4/28/93	1035	67	583,923	570,631	583,590	9,999	6,957	20,580	54,204	158,568	746,679	0.57	67
40	4164	375	4/28/93	1038	67	658,272	643,288	657,897	9,999	7,102	23,334	65,363	199,279	925,668	1.87	67
40	4164	400	4/28/93	1041	67	595,952	582,387	595,613	9,999	7,102	20,145	52,030	150,872	710,447	0.68	67
40	4164	425	4/28/93	1044	67.1	608,706	596,221	609,762	9,999	7,102	21,305	56,233	165,365	782,187	0.08	67
40	4164	25	5/29/90	1040	77.6	417,109	520,294	532,110	9,999	8,406	26,522	73,335	225,366	1,106,685	1.34	67
40	4164	50	5/29/90	1043	77.7	437,109	546,499	558,910	9,999	8,116	24,928	67,827	206,380	1,006,104	1.19	67
40	4164	75	5/29/90	1045	77.7	440,587	550,848	563,358	9,999	8,261	25,798	70,581	215,221	1,051,802	1.67	67
40	4164	125	5/29/90	1050	77.8	428,703	537,225	549,426	9,999	9,131	28,696	79,132	243,482	1,196,832	1.62	67
40	4164	200	5/29/90	1105	78	529,574	666,694	681,835	9,999	9,420	28,696	77,682	234,932	1,141,903	1.02	67
40	4164	225	5/29/90	1108	78	480,443	604,842	618,578	9,999	8,406	25,508	68,842	207,830	1,008,423	0.98	67
40	4164	250	5/29/90	1110	78	437,978	551,382	563,904	9,999	8,261	25,363	69,277	210,728	1,028,423	0.65	67
40	4164	275	5/29/90	1113	78.1	475,680</										

Sample of WESDEF Backcalculation Results for GPS-1 Sections

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
11019	175F3	11/13/89	1144	3	0.5	1.9	460321	28934	28152
11019	200F3	11/13/89	1147	3	0.3	0.8	481003	16516	29526
11019	301F3	11/13/89	1203	3	0.4	1.6	424802	24568	31986
11019	350F3	11/13/89	1212	3	0.6	2	660154	47877	28955
11019	400F3	11/13/89	1218	3	0.6	1.6	798999	12689	28911
11019	426F3	11/13/89	1221	3	0.5	1.4	538288	20443	31264
11019	475F3	11/13/89	1228	3	0.5	1.5	510600	15163	30960
11019	500F3	11/13/89	1231	3	0.4	1.8	426322	20385	28858
11019	0F3	11/26/90	1010	3	0.3	1.3	547235	21598	29690
11019	300F3	11/26/90	1019	3	0.5	1.8	539521	21912	34001
11019	500F3	11/26/90	1024	3	0.8	1.8	456510	16785	28904
11019	200F3	7/28/92	1114	3	0.9	1.8	162783	18506	29003
11019	2F3	7/28/92	1044	3	0.7	1.9	169836	21260	25701
11019	325F3	7/28/92	1146	3	0.3	0.8	285174	18983	28145
11019	400F3	7/28/92	1157	3	0.6	1.3	333763	13395	25724
11019	425F3	7/28/92	1200	3	0.4	1.7	225240	13823	28057
11019	452F3	7/28/92	1207	3	0.5	1.2	215107	16269	28837
11019	475F3	7/28/92	1209	3	0.7	1.7	197687	13689	30784
11019	500F3	7/28/92	1215	3	0.6	1.4	184400	13976	27928
14125	0F3	9/12/90	1046	3	0.7	1.8	331039	12068	40946
14125	325F3	9/12/90	1128	3	0.4	1.7	343821	15342	33972
14125	500F3	9/12/90	1151	3	0.5	1.8	301513	11889	39346
14125	0F3	9/13/94	1128	3	0.6	2	288291	14270	34394
14125	325F3	9/13/94	1205	3	0.5	1.5	329499	17033	30881
14126	0F3	9/24/90	1021	3	0.1	0.5	537600	28022	42961
14126	100F3	9/24/90	1033	3	0.2	0.7	454199	24594	38918
14126	125F3	9/24/90	1036	3	0.4	1.3	517669	23251	32396
14126	175F3	9/24/90	1042	3	0.5	1.6	440104	16571	35229
14126	200F3	9/24/90	1046	3	0.3	1.2	575117	21487	3765
14126	225F3	9/24/90	1049	3	0.3	0.9	563729	21576	40994
14126	250F3	9/24/90	1052	3	0.4	1.5	552300	21932	32877
14126	275F3	9/24/90	1055	3	0.5	1.8	396850	29082	32153
14126	300F3	9/24/90	1057	3	0.2	0.8	547471	30031	35693
14126	325F3	9/24/90	1101	3	0.3	1.3	588549	31906	40988
14126	350F3	9/24/90	1104	3	0.1	0.3	640651	30714	43993
14126	375F3	9/24/90	1107	3	0.2	0.8	588456	24522	31511
14126	400F3	9/24/90	1110	3	0.2	0.9	613826	26508	29001
14126	425F3	9/24/90	1112	3	0.5	2	704844	37512	24450
14126	450F3	9/24/90	1118	3	0.4	1.3	625144	28695	27856
14126	475F3	9/24/90	1124	3	0.2	1	587517	25309	30462
14126	500F3	9/24/90	1130	3	0.3	1.2	486303	40061	30625
14126	50F3	9/24/90	1028	3	0.6	2	330820	35772	35244
14126	75F3	9/24/90	1030	3	0.3	1.4	517376	26673	41758
14126	0F3	9/29/92	1008	3	0.1	0.4	626175	22072	45668
14126	100F3	9/29/92	1020	3	0.2	0.6	491378	18645	35700
14126	125F3	9/29/92	1023	3	0.3	1	507271	14344	34442
14126	150F3	9/29/92	1029	3	0.6	1.5	320541	15950	29669
14126	175F3	9/29/92	1032	3	0.4	1.1	383850	12132	35166

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
14126	200F3	9/29/92	1035	3	0.3	1.1	479286	22240	34709
14126	225F3	9/29/92	1039	3	0.3	1.2	517733	22391	36519
14126	250F3	9/29/92	1042	3	0.4	1.6	514858	15039	34310
14126	25F3	9/29/92	1011	3	0.2	1.2	549472	26765	43466
14126	275F3	9/29/92	1045	3	0.5	1.5	364271	22090	30250
14126	300F3	9/29/92	1048	3	0.2	0.7	569750	17610	35589
14126	325F3	9/29/92	1050	3	0.2	0.6	546784	27695	35143
14126	350F3	9/29/92	1054	3	0.2	1.6	723615	15814	51249
14126	375F3	9/29/92	1056	3	0.2	0.7	672511	21503	33312
14126	400F3	9/29/92	1059	3	0.2	0.8	639121	24238	26351
14126	425F3	9/29/92	1102	3	0.1	0.3	688186	25508	26262
14126	450F3	9/29/92	1107	3	0.2	1	605684	31503	25311
14126	500F3	9/29/92	1113	3	0.1	0.5	443400	31111	29638
14126	50F3	9/29/92	1014	3	0.5	1.7	341112	33599	33322
14126	75F3	9/29/92	1017	3	0.2	0.9	488209	25260	38995
81047	450F3	10/22/91	1157	3	0.3	0.9	759105	46595	16158
81047	400F3	10/16/92	1120	3	0.5	1.8	1593445	54600	16364
81047	475F3	10/16/92	1128	3	0.6	1.9	2000000	56939	15180
87780	300F3	5/7/91	1044	3	0.6	1.5	2000000	46377	24849
87780	225F3	4/6/92	1046	3	0.5	1.6	1342902	144773	18200
87780	300F3	4/6/92	1054	3	0.6	1.3	2000000	43858	22339
87780	325F3	4/6/92	1057	3	0.3	0.7	1424465	23124	27389
87780	75F3	4/6/92	1030	3	0.4	1.7	1312491	95436	18153
91803	125F3	7/18/89	1006	3	0.6	1.9	699894	26581	30080
91803	300F3	7/18/89	1029	3	0.3	1.6	616561	42542	41852
91803	325F3	7/18/89	1032	3	0.5	1.7	502650	32562	42598
91803	350F3	7/18/89	1035	3	0.2	1.5	845039	35787	61159
91803	375F3	7/18/89	1038	3	0.5	2	826758	25705	44350
91803	400F3	7/18/89	1041	3	0.2	1.2	1097038	26154	41243
91803	425F3	7/18/89	1044	3	0.4	1.3	914824	23560	42683
91803	450F3	7/18/89	1050	3	0.3	1.8	1140351	22536	41650
91803	351F3	7/30/92	1422	3	0.3	1.8	484078	28662	53047
121030	125F3	7/26/94	1058	3	0.3	1	210472	113729	30252
121030	275F3	7/26/94	1117	3	0.2	2	917854	219822	29141
123997	0F3	12/21/89	1301	3	0.8	1.8	781931	18795	14993
123997	26F3	12/21/89	1307	3	0.7	0.9	809372	16155	15609
123997	475F3	12/21/89	1440	3	0.7	0.9	741858	14496	16321
123997	500F3	12/21/89	1444	3	0.5	1.3	828581	17582	15819
123997	1F3	7/31/90	934	3	0.6	2	548254	31425	27947
123997	4F3	7/31/90	959	3	0.6	1.8	531018	32940	43341
123997	0F3	5/28/91	1221	3	1	1.9	245675	27021	21483
123997	475F3	5/28/91	1339	3	1.1	2	329715	19645	20956
123997	500F3	5/28/91	1343	3	0.8	2	312704	25741	22280
124099	0F3	11/27/89	1024	3	0.2	1	366609	75305	40208
124099	225F3	11/27/89	1053	3	0.2	1.4	507293	58731	46963
124099	25F3	11/27/89	1027	3	0.4	2	390393	77638	43327
124099	325F3	11/27/89	1111	3	0.4	1.9	326604	70480	49317
124099	350F3	11/27/89	1117	3	0.2	1.9	375678	80206	46454

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
124099	376F3	11/27/89	1137	3	0.1	0.6	373312	78012	47799
124099	400F3	11/27/89	1140	3	0.2	0.8	442184	72773	40892
124099	425F3	11/27/89	1145	3	0.1	0.8	343008	63583	47273
124099	75F3	11/27/89	1034	3	0.2	1.8	352383	71056	36978
171002	0F3	8/1/90	943	2	0.3	1.3	673251	16463	1000000
171002	100F3	8/1/90	953	2	0.6	1.8	676041	18970	1000000
171002	125F3	8/1/90	955	2	0.4	1.6	710229	18940	1000000
171002	150F3	8/1/90	958	2	0.2	0.9	770025	18553	1000000
171002	175F3	8/1/90	1000	2	0.4	1.4	743129	19583	1000000
171002	200F3	8/1/90	1006	2	0.3	1.3	675998	20171	1000000
171002	225F3	8/1/90	1008	2	0.2	0.7	674155	20940	1000000
171002	250F3	8/1/90	1010	2	0.4	1.5	684689	22445	1000000
171002	275F3	8/1/90	1013	2	0.2	0.8	705822	22123	1000000
171002	300F3	8/1/90	1015	2	0.2	0.9	627817	22165	1000000
171002	350F3	8/1/90	1020	2	0.3	1.5	605157	20669	1000000
171002	400F3	8/1/90	1025	2	0.3	1.3	632988	20750	1000000
171002	500F3	8/1/90	1044	2	0.6	2	593897	20531	1000000
171002	50F3	8/1/90	948	2	0.4	1.6	679389	16721	1000000
171002	75F3	8/1/90	950	2	0.3	0.9	705633	17980	1000000
171002	102F3	10/3/90	1347	2	0.3	0.9	1050646	20549	1000000
171002	150F3	10/3/90	1352	2	0.3	1.4	1176445	21510	1000000
171002	400F3	10/3/90	1405	2	0.3	1.2	1064031	23936	1000000
171002	500F3	10/3/90	1411	2	0.4	2	919345	23431	1000000
171002	125F3	9/16/92	941	2	0.4	1.4	823986	20277	1000000
171002	150F3	9/16/92	943	2	0.3	1.2	837564	20705	1000000
171002	175F3	9/16/92	946	2	0.5	2	837045	20769	1000000
171002	225F3	9/16/92	949	2	0.3	1.6	920354	21229	1000000
171002	250F3	9/16/92	952	2	0.3	1.5	915921	22011	1000000
171002	25F3	9/16/92	932	2	0.5	1.9	738171	18169	1000000
171002	275F3	9/16/92	955	2	0.3	1.5	910435	22466	1000000
171002	300F3	9/16/92	957	2	0.1	0.9	836314	22285	1000000
171002	325F3	9/16/92	1002	2	0.4	1.7	803527	22622	1000000
171002	350F3	9/16/92	1004	2	0.2	1	770681	22142	1000000
171002	375F3	9/16/92	1007	2	0.2	0.8	768211	22208	1000000
171002	400F3	9/16/92	1010	2	0.3	1.1	801822	22625	1000000
171002	425F3	9/16/92	1013	2	0.4	1.6	699710	20178	1000000
171002	450F3	9/16/92	1015	2	0.3	1.2	803991	21523	1000000
171002	475F3	9/16/92	1018	2	0.3	1.1	770509	21323	1000000
171002	50F3	9/16/92	935	2	0.3	1	817921	18039	1000000
171002	75F3	9/16/92	938	2	0.4	1.9	915890	19363	1000000
171003	0F3	10/27/89	1112	3	0.5	1.2	573510	8039	18725
171003	100F3	10/27/89	1124	3	0.3	1	690421	7577	21288
171003	125F3	10/27/89	1126	3	0.3	1	659539	7158	21708
171003	175F3	10/27/89	1132	3	0.3	0.9	718233	7911	22056
171003	200F3	10/27/89	1135	3	0.6	1.9	831262	6634	19819
171003	225F3	10/27/89	1137	3	0.3	0.7	597266	7223	20709
171003	250F3	10/27/89	1140	3	0.5	1.7	840696	6219	26085
171003	25F3	10/27/89	1115	3	0.6	1.5	565820	6699	19326

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
171003	275F3	10/27/89	1143	3	0.3	0.8	640117	13212	21590
171003	300F3	10/27/89	1146	3	0.5	1.6	885527	7923	23435
171003	325F3	10/27/89	1148	3	0.2	0.5	631167	15293	19169
171003	350F3	10/27/89	1151	3	0.2	0.6	752636	16172	19916
171003	375F3	10/27/89	1154	3	0.1	0.4	775768	20667	18533
171003	400F3	10/27/89	1157	3	0.2	0.8	956615	25832	19100
171003	425F3	10/27/89	1200	3	0.3	1	832613	25493	17408
171003	450F3	10/27/89	1202	3	0.2	0.9	701656	31069	16638
171003	475F3	10/27/89	1205	3	0.1	0.5	943642	13808	17842
171003	500F3	10/27/89	1210	3	0.5	1.8	913447	22830	16012
171003	50F3	10/27/89	1118	3	0.4	1.1	595778	6326	22672
171003	75F3	10/27/89	1121	3	0.3	0.8	762960	7934	22276
171003	0F3	11/2/90	756	3	0.3	0.6	706552	7106	17443
171003	100F3	11/2/90	800	3	0.7	1.6	750462	10159	17912
171003	150F3	11/2/90	803	3	0.6	1.5	777143	7234	19415
171003	200F3	11/2/90	806	3	0.5	1.3	838510	12460	16915
171003	300F3	11/2/90	811	3	0.3	1.2	887898	19083	17009
171003	350F3	11/2/90	813	3	0.3	0.9	643916	69811	15366
171003	500F3	11/2/90	821	3	0.4	1.3	770955	62647	14132
171003	50F3	11/2/90	758	3	0.6	1.5	651228	7435	16971
171003	0F3	5/4/92	914	3	0.6	1.2	428127	5565	16454
171003	150F3	5/4/92	922	3	0.5	1.2	452648	6089	16331
171003	200F3	5/4/92	925	3	0.3	0.6	541378	5772	17321
171003	250F3	5/4/92	928	3	0.2	0.4	588330	5423	20836
171003	300F3	5/4/92	931	3	0.4	1.7	526207	18356	16444
171003	350F3	5/4/92	934	3	0.5	2	518921	14192	16497
171003	400F3	5/4/92	937	3	0.4	1.2	643564	33781	14462
171003	450F3	5/4/92	939	3	0.2	0.6	521897	24596	13450
171003	500F3	5/4/92	942	3	0.3	0.8	444964	40451	12014
171003	50F3	5/4/92	917	3	0.5	0.9	376403	4000	19109
171003	0F3	5/13/93	903	3	0.2	0.5	505436	5490	16241
171003	100F3	5/13/93	909	3	0.4	1.2	557067	5942	17332
171003	150F3	5/13/93	912	3	0.2	0.6	574497	4065	20183
171003	200F3	5/13/93	914	3	0.6	1.6	588884	5016	18444
171003	250F3	5/13/93	917	3	0.2	0.5	668803	5412	21662
171003	300F3	5/13/93	920	3	0.3	0.7	775902	4774	22340
171003	350F3	5/13/93	923	3	0.4	1.1	653793	10404	16364
171003	400F3	5/13/93	926	3	0.2	0.8	808884	20056	15477
171003	450F3	5/13/93	929	3	0.2	0.8	585510	34160	13320
171003	500F3	5/13/93	932	3	0.2	0.3	693496	10157	15438
171003	50F3	5/13/93	906	3	0.6	1.4	454431	4000	20141
181028	325F3	5/11/90	1058	2	0.4	2	470119	28776	1000000
181028	0F3	10/31/90	832	2	0.4	1.9	785404	25020	1000000
181028	200F3	10/31/90	842	2	0.5	2	872874	20636	1000000
181028	200F3	11/19/90	812	2	0.3	1.3	970818	20134	1000000
181028	500F3	3/18/93	1132	2	0.3	2	1158443	24962	1000000
181037	0F3	5/10/90	1052	2	0.3	1.2	1245850	20895	1000000
181037	100F3	5/10/90	1103	2	0.2	0.7	1433262	15795	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
181037	125F3	5/10/90	1106	2	0.3	1.3	1426005	17258	1000000
181037	150F3	5/10/90	1110	2	0.2	0.7	1483874	16745	1000000
181037	175F3	5/10/90	1113	2	0.4	1.9	1569699	17569	1000000
181037	200F3	5/10/90	1116	2	0.2	1	1606632	17223	1000000
181037	225F3	5/10/90	1118	2	0.3	0.9	1391098	17807	1000000
181037	250F3	5/10/90	1121	2	0.4	1.5	1176975	17534	1000000
181037	25F3	5/10/90	1055	2	0.4	1.9	1564725	20385	1000000
181037	275F3	5/10/90	1123	2	0.6	1.7	812343	16407	1000000
181037	300F3	5/10/90	1126	2	0.4	1.5	1094462	17459	1000000
181037	325F3	5/10/90	1129	2	0.5	2	782861	17609	1000000
181037	375F3	5/10/90	1134	2	0.3	1.5	833384	18301	1000000
181037	400F3	5/10/90	1137	2	0.2	0.8	1450541	15902	1000000
181037	425F3	5/10/90	1139	2	0.2	1	1702415	15077	1000000
181037	450F3	5/10/90	1142	2	0.2	0.7	1337101	15691	1000000
181037	475F3	5/10/90	1145	2	0.3	1.4	1233468	14477	1000000
181037	500F3	5/10/90	1147	2	0.3	1.2	1542097	14287	1000000
181037	75F3	5/10/90	1100	2	0.2	0.8	1522309	18686	1000000
181037	0F3	3/23/93	1119	2	0.3	1.5	2000000	19790	1000000
181037	100F3	3/23/93	1135	2	0.3	1.4	2000000	15895	1000000
181037	125F3	3/23/93	1138	2	0.4	1.9	1909103	17546	1000000
181037	150F3	3/23/93	1141	2	0.2	1.2	1935254	18464	1000000
181037	200F3	3/23/93	1147	2	0.3	1.6	2000000	18293	1000000
181037	225F3	3/23/93	1150	2	0.4	1.8	2000000	17318	1000000
181037	325F3	3/23/93	1203	2	0.5	1.8	1296299	17126	1000000
181037	350F3	3/23/93	1206	2	0.3	1.4	1654326	17763	1000000
181037	375F3	3/23/93	1209	2	0.3	1.2	1577660	16883	1000000
181037	450F3	3/23/93	1219	2	0.4	2	2000000	15532	1000000
181037	500F3	3/23/93	1225	2	0.4	1.7	2000000	15148	1000000
181037	50F3	3/23/93	1127	2	0.2	0.7	1943266	19633	1000000
201005	100F3	9/11/89	1145	2	0.8	1.9	568964	14481	1000000
201005	125F3	9/11/89	1153	2	0.3	1.5	902354	18185	1000000
201005	300F3	9/11/89	1236	2	1	1.7	154897	15962	1000000
201005	0F3	11/30/90	1010	2	0.3	1.1	1003700	18363	1000000
201005	100F3	11/30/90	1018	2	0.4	1.3	1116121	16497	1000000
201005	250F3	11/30/90	1027	2	0.7	2	323574	19440	1000000
201005	300F3	11/30/90	1030	2	0.6	1.7	281763	17456	1000000
201005	350F3	11/30/90	1033	2	0.5	1.6	1005558	18336	1000000
201005	450F3	11/30/90	1039	2	0.3	0.9	757897	15256	1000000
201005	500F3	11/30/90	1042	2	0.5	1.9	920351	15331	1000000
201005	-10F3	11/25/91	910	2	0.6	1.9	1024796	18043	1000000
201005	-25F3	11/25/91	907	2	0.4	1.4	1168491	17432	1000000
201005	-25F3	11/25/91	1204	2	0.5	1.7	999889	18042	1000000
201005	-25F3	11/25/91	1041	2	0.5	1.7	1110415	17563	1000000
201005	-25F3	11/25/91	1333	2	0.5	1.8	1023865	17515	1000000
201005	-37F3	11/25/91	1038	2	0.4	1.4	1049044	19268	1000000
201005	-37F3	11/25/91	1329	2	0.4	1.4	1043942	18973	1000000
201005	-37F3	11/25/91	904	2	0.5	1.7	1152672	19105	1000000
201005	-37F3	11/25/91	1201	2	0.4	1.4	1020684	19441	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
201005	0F3	11/25/91	1209	2	0.3	1	1132105	17228	1000000
201005	0F3	11/25/91	913	2	0.3	0.8	1183062	17522	1000000
201005	0F3	11/25/91	1046	2	0.4	1.3	1154369	17384	1000000
201005	0F3	11/25/91	1338	2	0.4	1.1	1038207	17413	1000000
201005	100F3	11/25/91	1219	2	0.4	1.2	1238588	16071	1000000
201005	100F3	11/25/91	1106	2	0.5	1.5	1325754	16049	1000000
201005	100F3	11/25/91	923	2	0.4	1.1	1334877	16063	1000000
201005	100F3	11/25/91	1348	2	0.5	1.6	1170974	16123	1000000
201005	125F3	11/25/91	1222	2	0.2	0.8	1966262	17283	1000000
201005	125F3	11/25/91	1108	2	0.2	1.2	2000000	17679	1000000
201005	125F3	11/25/91	926	2	0.2	1.1	2000000	17849	1000000
201005	125F3	11/25/91	1351	2	0.2	1	1934130	17081	1000000
201005	175F3	11/25/91	1229	2	0.1	0.4	740556	17558	1000000
201005	175F3	11/25/91	1115	2	0.3	1.1	701922	18172	1000000
201005	175F3	11/25/91	1356	2	0.2	0.7	718385	17241	1000000
201005	25F3	11/25/91	1054	2	0.4	1.4	1219626	17771	1000000
201005	25F3	11/25/91	915	2	0.3	1.2	1357180	16838	1000000
201005	25F3	11/25/91	1211	2	0.5	1.8	1064452	18163	1000000
201005	25F3	11/25/91	1341	2	0.6	1.8	973746	18372	1000000
201005	50F3	11/25/91	1058	2	0.4	1.4	443324	17299	1000000
201005	50F3	11/25/91	1343	2	0.5	1.8	631657	17308	1000000
201005	75F3	11/25/91	1217	2	0.5	1.7	1080882	16482	1000000
201005	75F3	11/25/91	920	2	0.5	1.7	1046016	17407	1000000
201005	75F3	11/25/91	1346	2	0.5	1.6	1027609	16242	1000000
201005	-25F3	12/16/91	952	2	0.5	1.8	1137551	18106	1000000
201005	-25F3	12/16/91	1513	2	0.6	1.8	1000366	17224	1000000
201005	-25F3	12/16/91	1328	2	0.6	2	972452	17598	1000000
201005	-37F3	12/16/91	1126	2	0.5	2	972566	20180	1000000
201005	-37F3	12/16/91	1509	2	0.6	2	953594	19427	1000000
201005	-37F3	12/16/91	1319	2	0.5	1.7	973300	19471	1000000
201005	-37F3	12/16/91	949	2	0.5	2	1078819	20524	1000000
201005	0F3	12/16/91	958	2	0.3	1.2	1219702	17577	1000000
201005	0F3	12/16/91	1335	2	0.3	1	1017347	17083	1000000
201005	0F3	12/16/91	1139	2	0.4	1.3	1087728	17365	1000000
201005	100F3	12/16/91	1155	2	0.4	1.6	1309450	15704	1000000
201005	100F3	12/16/91	1349	2	0.3	1.3	1218426	15611	1000000
201005	100F3	12/16/91	1010	2	0.3	1.3	1460896	15586	1000000
201005	100F3	12/16/91	1530	2	0.4	1.3	1106721	15715	1000000
201005	125F3	12/16/91	1158	2	0.2	1	2000000	16980	1000000
201005	125F3	12/16/91	1352	2	0.1	0.7	1897994	16627	1000000
201005	125F3	12/16/91	1533	2	0.2	1.2	1881007	16984	1000000
201005	125F3	12/16/91	1013	2	0.3	1.3	2000000	17850	1000000
201005	175F3	12/16/91	1205	2	0.3	1.3	728392	17587	1000000
201005	175F3	12/16/91	1540	2	0.5	1.9	679378	17007	1000000
201005	175F3	12/16/91	1359	2	0.3	0.9	702466	17102	1000000
201005	25F3	12/16/91	1144	2	0.5	1.9	1061678	18298	1000000
201005	25F3	12/16/91	1001	2	0.5	1.7	1245030	17621	1000000
201005	50F3	12/16/91	1150	2	0.4	1.7	412552	17495	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
201005	50F3	12/16/91	1343	2	0.2	0.8	485461	17837	1000000
201005	50F3	12/16/91	1004	2	0.3	1.2	432637	17721	1000000
201005	50F3	12/16/91	1524	2	0.3	1.3	486711	17566	1000000
201005	75F3	12/16/91	1527	2	0.6	1.9	877196	17044	1000000
201005	75F3	12/16/91	1007	2	0.4	1.4	1094166	17247	1000000
201005	75F3	12/16/91	1152	2	0.5	1.5	1003225	17085	1000000
201005	-25F3	1/13/92	843	2	0.4	1.5	1059251	16809	1000000
201005	-37F3	1/13/92	1426	2	0.5	1.9	1008493	19439	1000000
201005	0F3	1/13/92	1434	2	0.2	0.8	1116810	16755	1000000
201005	0F3	1/13/92	1241	2	0.3	0.9	1103326	16887	1000000
201005	0F3	1/13/92	1052	2	0.3	1	1112347	16497	1000000
201005	0F3	1/13/92	848	2	0.3	0.8	1150927	16991	1000000
201005	100F3	1/13/92	1444	2	0.4	1.3	1157241	16319	1000000
201005	100F3	1/13/92	1252	2	0.4	1.3	1274197	15657	1000000
201005	100F3	1/13/92	901	2	0.5	1.7	1115680	17084	1000000
201005	100F3	1/13/92	1108	2	0.4	1.1	1237274	16101	1000000
201005	125F3	1/13/92	1446	2	0.3	1.3	2000000	16860	1000000
201005	125F3	1/13/92	1110	2	0.1	0.7	2000000	16969	1000000
201005	125F3	1/13/92	910	2	0.3	1.1	2000000	17357	1000000
201005	125F3	1/13/92	1256	2	0.2	0.8	2000000	17336	1000000
201005	175F3	1/13/92	1452	2	0.3	1	686059	17458	1000000
201005	175F3	1/13/92	1116	2	0.3	1.4	702970	17678	1000000
201005	175F3	1/13/92	1302	2	0.4	1.6	685115	18313	1000000
201005	175F3	1/13/92	923	2	0.3	1.6	649804	18419	1000000
201005	25F3	1/13/92	1436	2	0.6	1.9	1042274	17460	1000000
201005	25F3	1/13/92	1244	2	0.4	1.2	1122032	17136	1000000
201005	50F3	1/13/92	856	2	0.3	1	395399	17220	1000000
201005	50F3	1/13/92	1439	2	0.3	1	404554	17793	1000000
201005	50F3	1/13/92	1246	2	0.2	0.6	371381	17438	1000000
201005	50F3	1/13/92	1058	2	0.3	0.7	393410	17420	1000000
201005	75F3	1/13/92	1441	2	0.5	1.5	1012279	16718	1000000
201005	75F3	1/13/92	858	2	0.5	1.6	1011184	16684	1000000
201005	75F3	1/13/92	1249	2	0.4	1.3	1023878	16795	1000000
201005	75F3	1/13/92	1101	2	0.4	1.3	975645	17001	1000000
201005	-25F3	2/19/92	1253	2	0.5	1.6	1019711	16785	1000000
201005	-25F3	2/19/92	1049	2	0.5	2	1023405	17371	1000000
201005	-37F3	2/19/92	1247	2	0.4	1.5	1170356	18239	1000000
201005	-37F3	2/19/92	1043	2	0.5	1.8	1082676	18096	1000000
201005	0F3	2/19/92	1510	2	0.6	2	909168	17338	1000000
201005	0F3	2/19/92	1300	2	0.5	1.8	1098649	16483	1000000
201005	100F3	2/19/92	1126	2	0.4	1.6	1107612	16397	1000000
201005	100F3	2/19/92	1526	2	0.5	1.4	1045837	15837	1000000
201005	100F3	2/19/92	1319	2	0.5	1.7	1016969	16902	1000000
201005	125F3	2/19/92	1129	2	0.2	0.7	1902522	16873	1000000
201005	125F3	2/19/92	1529	2	0.1	0.5	1738549	17102	1000000
201005	125F3	2/19/92	1324	2	0.1	0.6	1800173	17386	1000000
201005	175F3	2/19/92	1535	2	0.4	1.5	702370	16116	1000000
201005	175F3	2/19/92	1331	2	0.3	1	702665	16863	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
201005	175F3	2/19/92	1137	2	0.3	1.1	712139	17276	1000000
201005	200F3	2/19/92	1540	2	0.4	1.3	749162	17247	1000000
201005	25F3	2/19/92	1308	2	0.4	1.9	927033	18721	1000000
201005	50F3	2/19/92	1117	2	0.5	1.3	414402	17433	1000000
201005	75F3	2/19/92	1520	2	0.6	1.9	857308	17084	1000000
201005	-37F3	3/17/92	1007	2	0.5	1.9	726559	18354	1000000
201005	0F3	3/17/92	1258	2	0.5	1.8	722059	15670	1000000
201005	100F3	3/17/92	1310	2	0.4	1.1	792820	14792	1000000
201005	125F3	3/17/92	1042	2	0.2	0.9	1409321	16947	1000000
201005	125F3	3/17/92	1316	2	0.2	0.7	1451654	16436	1000000
201005	175F3	3/17/92	1051	2	0.6	1.9	455202	16825	1000000
201005	175F3	3/17/92	1324	2	0.5	1.5	454584	16599	1000000
201005	50F3	3/17/92	1304	2	0.4	0.7	313564	16220	1000000
201005	50F3	3/17/92	1027	2	0.5	1.2	298558	16039	1000000
201005	75F3	3/17/92	1307	2	0.6	1.9	684254	14713	1000000
201005	-25F3	4/13/92	922	2	0.6	2	744488	15019	1000000
201005	-37F3	4/13/92	1302	2	0.6	1.7	699562	16970	1000000
201005	0F3	4/13/92	930	2	0.4	1.4	762054	14567	1000000
201005	0F3	4/13/92	1133	2	0.6	1.9	685484	14937	1000000
201005	100F3	4/13/92	952	2	0.6	1.8	776901	14268	1000000
201005	125F3	4/13/92	1340	2	0.2	0.8	1269022	16895	1000000
201005	125F3	4/13/92	1528	2	0.5	2	1061786	16997	1000000
201005	125F3	4/13/92	1151	2	0.4	1.6	1397392	16280	1000000
201005	125F3	4/13/92	955	2	0.2	0.7	1489185	15975	1000000
201005	175F3	4/13/92	1538	2	0.5	1.3	407241	15311	1000000
201005	175F3	4/13/92	1349	2	0.3	0.7	440365	15578	1000000
201005	175F3	4/13/92	1158	2	0.5	1.4	455511	16078	1000000
201005	25F3	4/13/92	933	2	0.5	1.7	726685	15579	1000000
201005	50F3	4/13/92	1138	2	0.5	0.9	273666	15193	1000000
201005	50F3	4/13/92	1321	2	0.4	0.8	313693	15036	1000000
201005	50F3	4/13/92	941	2	0.7	1.2	248408	14888	1000000
201005	50F3	4/13/92	1513	2	0.3	0.6	332303	14868	1000000
201005	75F3	4/13/92	947	2	0.5	1.8	645929	14534	1000000
201005	125F3	8/13/92	1210	2	0.3	1	797498	15534	1000000
201005	125F3	8/13/92	1039	2	0.4	1.2	853942	15715	1000000
201005	125F3	8/13/92	1339	2	0.2	0.8	706746	15510	1000000
201005	175F3	8/13/92	914	2	0.9	1.8	283448	14335	1000000
201005	175F3	8/13/92	1345	2	0.9	1.5	209413	13437	1000000
201005	175F3	8/13/92	1216	2	0.7	1.4	256835	13074	1000000
201005	125F3	4/23/93	1129	2	0.1	0.4	1267288	15867	1000000
201005	175F3	4/23/93	1138	2	0.2	0.6	356323	15551	1000000
201005	225F3	4/23/93	1146	2	0.5	1.3	360634	17262	1000000
201005	250F3	4/23/93	1150	2	0.2	0.6	286388	17020	1000000
201005	325F3	4/23/93	1204	2	0.6	1.9	652732	16670	1000000
201005	450F3	4/23/93	1221	2	0.8	1.9	417346	14636	1000000
201005	475F3	4/23/93	1224	2	0.8	1.5	317387	14448	1000000
201005	500F3	4/23/93	1228	2	0.6	2	640593	13723	1000000
201005	50F3	4/23/93	1119	2	0.8	1.8	267140	15635	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM E	AV_PR E	E1_Psi	E2_Psi	E3_Psi
201010	300F3	8/22/89	1114	2	0.7	1.7	411806	16719	1000000
201010	0F3	11/28/90	1137	2	0.7	1.8	856993	16173	1000000
201010	100F3	11/28/90	1143	2	0.5	1.3	961545	17226	1000000
201010	200F3	11/28/90	1148	2	0.6	1.5	948252	16643	1000000
201010	250F3	11/28/90	1150	2	0.6	1.8	1035985	16354	1000000
201010	300F3	11/28/90	1153	2	0.2	0.9	1827156	16641	1000000
201010	350F3	11/28/90	1155	2	0.5	1.6	2000000	15339	1000000
201010	450F3	11/28/90	1201	2	0.5	1.5	1577407	15518	1000000
201010	500F3	11/28/90	1204	2	0.2	0.8	1584641	14831	1000000
201010	300F3	11/21/91	1526	2	0.6	1.7	1229772	15225	1000000
201010	300F3	11/21/91	1224	2	0.7	2	1471713	15343	1000000
201010	300F3	11/21/91	1100	2	0.3	1	1745326	15255	1000000
201010	300F3	11/21/91	931	2	0.3	1.1	2000000	15364	1000000
201010	300F3	11/21/91	1354	2	0.6	1.6	1289993	15032	1000000
201010	325F3	11/21/91	1226	2	0.3	1.1	2000000	14652	1000000
201010	325F3	11/21/91	1356	2	0.5	1.5	1850423	14707	1000000
201010	325F3	11/21/91	1529	2	0.4	1.3	1632477	15235	1000000
201010	350F3	11/21/91	1229	2	0.4	1.2	1921131	14405	1000000
201010	350F3	11/21/91	1402	2	0.4	1.2	1655190	14543	1000000
201010	350F3	11/21/91	1531	2	0.5	1.5	1665093	14198	1000000
201010	350F3	11/21/91	1105	2	0.4	1.4	2000000	14864	1000000
201010	375F3	11/21/91	942	2	0.6	1.6	1182244	14760	1000000
201010	375F3	11/21/91	1231	2	0.8	1.9	788949	14402	1000000
201010	400F3	11/21/91	1536	2	0.7	1.6	710627	13919	1000000
201010	400F3	11/21/91	944	2	0.5	1.5	1243278	14558	1000000
201010	400F3	11/21/91	1410	2	0.8	1.9	719694	14040	1000000
201010	425F3	11/21/91	1413	2	0.8	1.8	720017	14028	1000000
201010	425F3	11/21/91	1113	2	0.8	1.9	1016830	14802	1000000
201010	425F3	11/21/91	1236	2	0.9	1.9	847024	14274	1000000
201010	425F3	11/21/91	1539	2	0.8	1.7	718915	13554	1000000
201010	425F3	11/21/91	947	2	0.5	1.1	1213594	14548	1000000
201010	450F3	11/21/91	1115	2	0.6	1.6	1158048	14539	1000000
201010	450F3	11/21/91	949	2	0.6	2	1411496	14482	1000000
201010	475F3	11/21/91	1241	2	0.7	1.5	885500	13371	1000000
201010	475F3	11/21/91	1418	2	1	1.9	819798	13211	1000000
201010	475F3	11/21/91	952	2	0.4	1	1280571	13621	1000000
201010	475F3	11/21/91	1544	2	0.7	1.7	764696	13087	1000000
201010	500F3	11/21/91	1120	2	0.6	1.8	1323761	13655	1000000
201010	500F3	11/21/91	955	2	0.5	1.4	1500706	14063	1000000
201010	510F3	11/21/91	1123	2	0.5	1.7	1508278	14802	1000000
201010	510F3	11/21/91	1246	2	0.6	1.9	1230059	14803	1000000
201010	510F3	11/21/91	1549	2	0.6	1.8	1006077	15262	1000000
201010	510F3	11/21/91	1424	2	0.6	1.9	1014349	15531	1000000
201010	510F3	11/21/91	957	2	0.6	1.7	1760606	14940	1000000
201010	525F3	11/21/91	1551	2	0.5	1.6	1415591	16940	1000000
201010	534F3	11/21/91	1005	2	0.5	2	2000000	17850	1000000
201010	300F3	12/12/91	1451	2	0.4	1.4	1516215	15668	1000000
201010	300F3	12/12/91	1310	2	0.4	1.5	1601621	15464	1000000

SECTION	STATION	DATE	TIME	# LAYERS	AB_SM_E	AV_PR_E	E1_Psi	E2_Psi	E3_Psi
201010	300F3	12/12/91	1122	2	0.4	1.4	1781729	16011	1000000
201010	300F3	12/12/91	941	2	0.3	1.1	1969562	15949	1000000
201010	325F3	12/12/91	1454	2	0.3	1.3	2000000	15286	1000000
201010	350F3	12/12/91	1458	2	0.4	1.5	2000000	14635	1000000
201010	350F3	12/12/91	1317	2	0.3	1	2000000	14789	1000000
201010	375F3	12/12/91	955	2	0.6	1.6	1196009	14805	1000000
201010	375F3	12/12/91	1319	2	0.7	2	901805	14429	1000000
201010	375F3	12/12/91	1501	2	0.6	1.8	849919	14605	1000000
201010	400F3	12/12/91	958	2	0.3	1	1223431	14936	1000000
201010	400F3	12/12/91	1140	2	0.5	1.4	1134803	14585	1000000
201010	400F3	12/12/91	1505	2	0.8	2	905523	14798	1000000
201010	425F3	12/12/91	1000	2	0.4	1.2	1265798	14774	1000000
201010	425F3	12/12/91	1142	2	0.6	1.6	1086116	14558	1000000
201010	425F3	12/12/91	1326	2	0.8	2	939191	14571	1000000
201010	425F3	12/12/91	1508	2	0.7	1.9	894466	14578	1000000
201010	450F3	12/12/91	1512	2	0.6	2	987144	15013	1000000
201010	475F3	12/12/91	1006	2	0.3	0.8	1280607	13958	1000000
201010	475F3	12/12/91	1515	2	0.8	1.9	1034894	13453	1000000
201010	500F3	12/12/91	1009	2	0.5	1.8	1527953	14472	1000000
201010	500F3	12/12/91	1156	2	0.5	1.4	1343042	14253	1000000
201010	500F3	12/12/91	1518	2	0.7	2	1203432	13768	1000000
201010	500F3	12/12/91	1338	2	0.7	1.8	1216102	13917	1000000
201010	510F3	12/12/91	1013	2	0.5	1.8	1770295	15551	1000000
201010	510F3	12/12/91	1159	2	0.5	1.7	1611240	15116	1000000
201010	510F3	12/12/91	1341	2	0.5	1.7	1455682	14880	1000000
201010	525F3	12/12/91	1523	2	0.4	1.4	1842148	17227	1000000
201010	534F3	12/12/91	1527	2	0.5	2	1675469	18046	1000000
201010	534F3	12/12/91	1207	2	0.5	2	1979693	17695	1000000
201010	375F3	1/15/92	842	2	0.3	1	1796950	14799	1000000
201010	400F3	1/15/92	845	2	0.3	0.9	1935279	15326	1000000
201010	425F3	1/15/92	847	2	0.4	1.3	1973142	15402	1000000
201010	475F3	1/15/92	853	2	0.6	1.6	2000000	14749	1000000
201010	300F3	2/25/92	923	2	0.3	1	2000000	15902	1000000
201010	300F3	2/25/92	1453	2	0.4	1.2	1236876	15156	1000000
201010	300F3	2/25/92	1105	2	0.4	1.1	1852068	15809	1000000
201010	300F3	2/25/92	1306	2	0.3	0.9	1518633	15105	1000000
201010	325F3	2/25/92	1312	2	0.2	0.8	2000000	14774	1000000
201010	325F3	2/25/92	1500	2	0.2	0.8	1750445	14790	1000000
201010	350F3	2/25/92	1315	2	0.3	1.2	1830198	14354	1000000
201010	350F3	2/25/92	1507	2	0.5	1.6	1656838	14272	1000000
201010	375F3	2/25/92	1317	2	0.7	1.7	768044	13787	1000000
201010	375F3	2/25/92	933	2	0.5	1.3	1236509	14535	1000000
201010	400F3	2/25/92	939	2	0.4	1.2	1311826	14751	1000000
201010	400F3	2/25/92	1516	2	0.5	1.2	709092	14114	1000000
201010	425F3	2/25/92	941	2	0.5	1.3	1368181	14402	1000000
201010	425F3	2/25/92	1330	2	0.6	1.6	860525	13949	1000000
201010	425F3	2/25/92	1520	2	0.6	1.4	737123	13555	1000000
201010	450F3	2/25/92	1524	2	0.6	1.6	841238	14144	1000000

Frequency Tables for GPS-1 and GPS-2 Sections

STATE	SECTION	DATE	Row Summary	STATION ID																						
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		
1	1001	11-Oct-89	7										1					1	1	1	1		1	1		
1	1001	08-Oct-92	7										1	1	1				1	1				1	1	
1	1019	13-Nov-89	13	1			1		1	1	1	1	1	1	1				1	1			1	1	1	
1	1019	28-Jul-92	16		1	1	1	1	1	1	1	1	1	1		1			1	1	1	1	1		1	1
1	4126	24-Sep-90	17	1		1	1	1	1	1		1	1	1		1	1	1	1	1	1	1	1		1	1
1	4126	29-Sep-92	18	1	1	1	1	1	1	1		1	1	1		1	1	1	1	1	1	1	1	1	1	1
1	4127	26-Sep-90	18		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
1	4127	27-Jun-91	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1
1	4155	10-Sep-90	18	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1		1	1		1	1	1
1	4155	01-Jul-91	18	1	1	1	1	1	1	1	1	1	1	1		1	1	1		1	1		1	1	1	1
2	1001	26-Aug-93	20	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1002	25-Aug-93	19	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1
2	1004	27-Aug-93	16			1	1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	9035	31-Aug-93	7		1		1						1	1	1		1				1					
4	1001	25-Feb-92	10		1	1	1	1	1				1			1	1			1			1	1		
4	1002	28-Feb-92	3						1					1									1			
4	1003	14-Mar-89	24		2					2	2	2					2	2	2	2	2	2	2		2	2
4	1003	26-Feb-92	36	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2		2	2	2
4	1003	25-May-93	36		2	2	2	2	2	2		2	2			2	2	2	2	2	2	2	2	2	2	2
4	1006	26-Feb-92	15		1	1	1	1	1			1	1	1		1	1	1		1	1			1	1	1
4	1006	22-May-93	16		1	1	1	1	1	1	1	1	1			1	1	1		1	1	1	1	1	1	1
4	1007	20-Sep-91	18	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1016	17-Jan-91	15	1	1		1	1	1	1		1	1	1	1	1	1			1	1		1	1	1	1
4	1016	30-Sep-91	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1
4	1016	17-Sep-92	18	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1
4	1017	22-Jan-91	13	1	1	1	1			1		1				1	1	1		1	1			1	1	1
4	1017	01-Oct-91	9	1	1	1	1							1		1	1	1		1	1					
4	1017	16-Sep-92	6	1			1			1		1									1				1	
4	1018	27-Sep-91	11	1	1	1	1	1	1		1	1	1		1					1		1	1			
4	1021	15-Apr-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1021	17-Sep-91	19	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
4	1022	18-Sep-91	11	1				1	1		1			1	1	1	1	1		1					1	1
4	1024	08-Mar-89	5			1	1		1							1	1									
4	1024	28-Feb-92	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1025	19-Sep-91	12	1				1					1		1	1	1	1	1	1	1	1	1	1	1	1
4	1036	16-Apr-91	14	1	1		1	1				1	1		1	1	1	1		1	1	1	1	1	1	1
4	1036	16-Sep-91	17	1	1		1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1	1
4	1037	03-Mar-92	14	1		1	1	1		1	1	1	1		1			1			1	1	1	1	1	1
6	1253	10-Jun-91	18	1					1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1253	14-Jul-93	3	1									1													1
6	8534	15-Jan-90	19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	8534	27-Mar-91	14	1			1	1	1			1	1	1	1	1	1			1	1		1	1	1	1
6	8534	21-Feb-92	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	8535	27-Mar-91	14	1				1		1	1	1	1	1	1			1		1	1	1	1	1	1	1
6	8535	21-Feb-92	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1029	21-Oct-91	13		1	1		1	1	1		1						1	1	1	1	1	1	1	1	1
8	1047	24-Jul-89	5													1							1	1	1	1
8	1047	22-Oct-91	10		1	1		1	1			1				1							1	1	1	1
8	1047	30-Mar-92	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1047	16-Oct-92	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1053	29-Apr-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1053	23-Oct-91	19	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1
8	1053	13-Apr-93	20	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1057	18-Jul-89	18		1	1	1	1	1	1	1		1		1	1	1	1	1	1	1	1	1	1	1	1
8	7780	14-Jul-89	3																	1	1					
8	7780	07-May-91	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	7780	06-Apr-92	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1
9	1803	18-Jul-89	12	1			1					1	1		1	1	1	1	1		1	1	1			
9	1803	30-Jul-92	4						1							1								1		
11	1400	27-Apr-90	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1
12	1030	05-Dec-89	11	1	1	1		1		1		1						1	1	1					1	1
12	1370	14-Dec-89	7					1		1							1		1	1		1				1
12	3995	30-Nov-89	16	1				1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1
12	3996	22-Nov-89	1													1										
12	3997	21-Dec-89	11	1		1		1		1						1			1	1		1	1		1	1

STATE	SECTION	DATE	Row Summary	STATION ID																								
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500				
12	3997	31-Jul-90	1	1																								
12	3997	08-Nov-90	2	1				1																				
12	3997	28-May-91	6	1	1			1		1														1	1			
12	4099	27-Nov-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
12	4101	18-Dec-89	9	1	1			1				1				1		1	1			1		1		1		
12	4101	21-May-91	13		1	1	1		1	1		1	1			1		1	1		1	1				1		
12	4103	28-Nov-89	4	1												1	1		1									
12	4106	04-Dec-89	17	1	1	1	1		1	1	1	1	1			1	1		1	1	1	1		1	1	1		
12	4107	07-Dec-89	14	1	1	1	1	1	1			1	1	1	1	1					1	1				1		
12	4135	13-Dec-89	1						1																			
12	4153	06-Dec-89	13	1	1	1	1	1	1				1	1				1						1	1	1		
13	1001	14-Mar-89	18	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13	1001	27-Oct-92	20	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13	1004	16-Mar-89	19	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1		
13	1004	11-Sep-92	20	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1		
13	1005	15-Mar-89	18	1			1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1		
13	1005	13-Oct-92	23	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13	1031	01-Mar-89	18	1	1	1	1	1	1	1	1	1				1	1	1	1	1	1	1	1	1	1	1		
13	1031	12-Jan-93	19	1	1	1	1	1	1	1	1	1	1			1	1	1	1		1	1	1	1	1	1		
13	4111	13-Mar-89	18	1	1	1		1	1	1			1	1	1		1	1	1	1	1	1	1	1	1	1		
13	4111	16-Sep-92	17		1	1	1		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1		
15	1003	20-Feb-91	16	1	1	1			1	1	1	1	1	1	1	1	1	1	1		1		1		1	1		
15	1003	03-Feb-93	18	1	1	1	1	1	1	1	1	1				1	1	1	1	1	1	1	1	1	1	1		
15	1006	19-Feb-91	16	1	1	1	1	1	1	1	1		1	1			1	1		1	1	1	1	1	1	1		
15	1006	02-Feb-93	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
15	1008	27-Feb-91	17		1	1	1		1	1	1	1				1	1	1	1	1	1	1	1	1	1	1		
15	1008	18-Feb-93	14		1	1			1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1		
15	7080	26-Feb-91	11	1	1	1		1			1		1	1		1					1		1		1	1		
15	7080	17-Feb-93	12	1		1		1	1		1		1	1	1	1		1		1		1		1	1	1		
16	1005	17-Apr-92	30	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2							
16	1007	09-May-89	3																1						1	1		
16	1007	13-Mar-92	17	1	1	1	1	1	1	1	1	1	1			1	1	1		1	1			1	1	1		
16	1009	24-Mar-92	17	1	1	1	1			1	1	1	1	1	1	1	1	1		1	1	1		1	1	1		
16	1010	19-May-89	7	1							1	1					1					1		1	1	1		
16	1020	14-Aug-91	10	1	1	1		1			1						1						1	1	1	1		
16	1021	13-Aug-91	20	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
16	9032	28-Aug-89	1			1																						
17	1002	01-Aug-90	19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
17	1002	03-Oct-90	6			1				1							1		1				1			1		
17	1002	16-Sep-92	16		1	1	1		1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1		
17	1003	27-Oct-89	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
17	1003	02-Nov-90	7	1		1		1		1							1		1							1		
17	1003	04-May-92	10	1				1		1		1		1		1		1		1		1		1		1		
17	1003	13-May-93	11	1		1		1		1		1		1		1		1		1		1		1		1		
18	1028	11-May-90	1															1										
18	1028	31-Oct-90	2	1		1																						
18	1028	19-Nov-90	4	1		1						1										1						
18	1028	01-May-92	1	1																								
18	1028	18-Mar-93	5									1					1		1	1				1				
18	1037	10-May-90	18	1	1	1	1	1	1	1	1	1	1				1	1		1	1	1	1	1	1	1		
18	1037	23-Mar-93	9	1	1	1		1		1		1	1					1	1									
19	1044	20-Apr-90	1													1												
20	1005	11-Sep-89	4						1		1												1					
20	1005	30-Nov-90	3	1																				1		1		
20	1005	25-Nov-91	15	4	1	2	1	2	4		1																	
20	1005	16-Dec-91	14	3		3	1	2	3		2																	
20	1005	13-Jan-92	12	3	1	1		1	4		2																	
20	1005	19-Feb-92	9	2	1				3		2	1																
20	1005	17-Mar-92	6	2				1	1		2																	
20	1005	13-Apr-92	12	2	1	1	1		4		3																	
20	1005	13-Aug-92	10			4			3		1	2																
20	1005	23-Apr-93	6						1			1						1					1	1	1	1		
20	1009	23-Aug-89	11		1		1			1	1		1					1	1			1	1	1	1	1		
20	1009	22-Nov-91	27															3	3	3	4	4		4	4	2		
20	1009	13-Dec-91	25															2	4	3	3	3		4	4	2		

STATE	SECTION	DATE	Row Summary	STATION ID																				
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
20	1009	14-Jan-92	20													1	1	4	4	4		2	3	1
20	1009	21-Feb-92	18													1	4	4	2	1			2	4
20	1009	19-Mar-92	12													1	1	2	2	1		2	1	2
20	1009	14-Apr-92	20													1	3	4	2	1		4	3	2
20	1009	12-Aug-92	8													1			1	1	1	1	1	2
20	1010	22-Aug-89	1														1							
20	1010	28-Nov-90	5	1		1										1		1				1		
20	1010	21-Nov-91	29													4	4	5	3	1	3	2	2	5
20	1010	12-Dec-91	27													3	3	4		4	4	3	2	4
20	1010	15-Jan-92	7													1	1	1	1		1		1	1
20	1010	25-Feb-92	20													2	3	2	2	3	2		3	3
20	1010	20-Mar-92	18													3	3	4	2		2	2		2
20	1010	11-Aug-92	3														1			1				1
21	1010	25-May-90	16	1	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1
21	1010	19-Oct-90	10			1		1		1		1		1		1		1		1		1		1
21	1010	18-Aug-92	18	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	1010	09-Mar-93	16		1	1	1		1	1		1	1	1	1	1	1	1	1	1	1		1	
21	1034	22-May-90	5											1	1		1					1		1
21	1034	30-Oct-90	3			1						1										1		
21	1034	17-Aug-92	2															1						1
21	1034	10-Mar-93	3	1			1							1										
23	1001	05-Jul-89	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	
23	1009	29-Jun-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1009	17-Aug-92	16	1	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1009	12-Nov-93	8							1	1	1			1		1			1		1	1	
23	1012	22-Jun-89	10	1	1		1	1	1		1		1				1	1				1		
23	1026	06-Jul-89	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1026	18-Aug-92	14	1	1	1					1			1	1		1	1	1	1	1	1	1	1
23	1028	07-Jul-89	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1028	28-Jul-92	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1			1
25	1002	20-Jun-89	19	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1
25	1002	13-Jun-91	15	1	1		1	1	1	1			1		1		1	1	1	1	1		1	1
25	1002	15-Sep-92	18	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1
25	1003	19-Jun-89	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1003	10-Jun-91	19	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1		1	1	1
25	1004	11-Sep-89	5								1		1	1				1				1		
26	1001	29-Jun-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1001	16-Oct-90	6	1				1				1				1				1				1
26	1001	01-Sep-92	19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1004	23-Aug-90	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1010	17-Oct-90	10			1		1			1		1			1		1		1		1		1
26	1010	31-Aug-92	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1012	09-Jul-90	17	1	1	1		1	1	1	1	1	1	1	1	1	1	1		1		1	1	1
26	1012	15-Oct-90	9			1				1		1		1		1		1		1		1		1
26	1012	02-Sep-92	16	1		1	1	1	1	1	1	1	1	1	1		1	1		1			1	1
26	1013	10-Jul-90	14	1	1	1	1	1		1		1		1		1	1				1	1	1	1
26	1013	12-Oct-90	8					1		1				1		1		1		1		1	1	1
26	1013	03-Sep-92	13			1	1	1	1		1		1	1	1	1			1			1	1	1
27	1016	27-Jun-89	11	1	1	1	1		1			1				1	1	1		1			1	
27	1016	08-Nov-90	11	1		1		1		1		1		1		1		1		1		1		1
27	1016	19-Jun-92	7					1			1			1			1	1	1		1			
27	1016	15-Jul-93	7	1						1		1							1	1		1		1
27	1018	31-Aug-90	19	1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1
27	1018	26-Jul-93	20	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1
27	1018	24-Aug-93	7														1	1	1	1	1			1
27	1018	25-Aug-93	27														3	3	3	3	3	3	3	3
27	1018	23-Sep-93	26														2	3	3	3	3	3	3	3
27	1018	20-Oct-93	7															1	1	1	1		1	1
27	1018	19-Nov-93	18														2	2	2	2	2	2	2	2
27	1019	22-May-89	8	1	1	1	1	1		1		1				1								
27	1019	24-Sep-90	3				1						1		1									
27	1019	01-Jun-92	1					1																
27	1019	13-Oct-92	5						1	1		1		1						1				
27	1019	12-Jul-93	3				1			1							1							
27	1023	27-Jun-89	9	1			1	1	1	1		1					1	1			1			

STATE	SECTION	DATE	Row Summary	STATION ID																						
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		
27	1028	29-Jun-89	1																	1						
27	1028	13-Nov-90	8	1		1		1				1		1		1			1		1					
27	1028	15-Jun-92	5		1									1		1	1	1								
27	1028	27-Jul-93	6	1			1		1			1						1						1		
27	1028	08-Sep-93	3			1	1	1																		
27	1028	09-Sep-93	15			3	2	2	3		3	2														
27	1028	20-Oct-93	4	1		1	1			1																
27	1028	18-Nov-93	17	1	2	2	1	1	2	3	2	3														
27	1029	17-May-89	3				1		1									1								
27	1085	21-Sep-90	11	1	1	1			1	1	1	1	1	1		1			1							
27	1085	17-Sep-93	6	1					1	1	1					1								1		
27	1087	09-May-89	10			1		1	1				1	1					1	1		1	1	1		
27	6251	27-Aug-90	20	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
27	6251	07-Nov-90	9					1		1		1		1		1		1		1		1		1		
27	6251	18-Jun-92	19		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
27	6251	14-Jul-93	8	1				1		1		1		1					1					1		
27	6251	15-Sep-93	29													3	1	4	4	4	2	4	3	4		
27	6251	19-Oct-93	7													1	1	2		1	1		1			
27	6251	17-Nov-93	23													3	3	2	3	2	3	1	3	3		
29	1002	28-Sep-89	19	1		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
29	1002	08-Nov-90	4	1				1								1								1		
29	1002	06-May-92	11	1		1		1		1		1		1		1		1		1		1		1		
29	1002	04-May-93	12		1		1	1	1			1	1	1	1	1	1	1				1		1		
29	1005	07-Nov-90	7					1				1		1		1		1		1				1		
29	1005	05-May-92	1	1																						
29	1005	05-May-93	7	1	1			1		1			1					1						1		
29	1008	02-Oct-89	13		1	1	1			1	1					1	1	1		1	1	1	1	1		
29	1008	29-Mar-93	14	1	1	1	1		1	1	1	1		1		1	1	1	1					1		
29	1010	18-Oct-89	5	1		1		1		1		1														
29	1010	26-Mar-93	9	1		1	1	1		1	1	1						1	1							
30	1001	22-May-89	11	1	1					1	1	1	1		1				1			1	1	1		
30	1001	23-May-91	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	7066	16-May-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	7066	07-Oct-91	20	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1		
30	7088	18-May-91	14	1	1	1	1	1	1	1		1				1	1		1	1	1	1	1	1		
30	7088	10-Oct-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	8129	06-Jul-92	13	1		1	1	1	1	1	1	1	1	1	1	1	1									
31	1030	08-Aug-89	12	1	1				1		1	1	1	1	1	1	1					1		1		
31	1030	29-Nov-90	5									1		1		1						1		1		
31	1030	20-Nov-91	29	5	5	4	3	4	1	2	3	2														
31	1030	11-Dec-91	3	1		2	1	1		1	1	2														
31	1030	16-Jan-92	26	3	1	3	3	3	4	2	4	3														
31	1030	26-Feb-92	12	3	1	1		3			1	3														
31	1030	23-Mar-92	5	1	1		2	1																		
31	1030	16-Apr-92	13	1	1	3	1	2		1	2	2														
31	1030	20-Apr-93	6			1										1	1				1		1	1		
32	1021	17-Nov-89	18		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
32	1021	01-Jul-91	15		1	1		1	1		1	1	1	1	1	1	1			1		1	1	1		
33	1001	21-Jun-89	8	1			1				1		1			1			1	1	1					
33	1001	29-Jul-92	6				1	1				1			1			1	1							
34	1003	19-Jul-91	8		1					1	1	1	1					1	1	1						
34	1011	15-May-89	5		1									1		1		1					1			
34	1011	11-Jul-91	3													1	1							1		
34	1030	22-May-89	3							1												1	1			
34	1030	18-Jul-91	9		1	1		1		1				1		1				1	1			1		
34	1031	08-May-89	17	1	1	1		1	1	1		1	1	1	1	1		1	1	1	1	1	1	1		
35	1003	06-Jul-89	15		1		1	1	1	1	1	1	1	1	1	1	1		1		1	1	1	1		
35	1005	20-Jul-89	20		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
35	1022	17-Jul-89	14	1	1	1		1	1		1			1	1		1		1	1	1	1	1	1		
35	1112	05-Jul-89	14	1	1	1	1	1		1	1			1	1		1	1		1	1	1	1	1		
36	1011	26-Jul-89	13			1	1		1	1	1			1		1		1	1	1	1	1	1	1		
36	1011	16-Aug-93	18	1		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
37	1006	20-Oct-89	17	1	1		1	1	1		1	1	1	1	1	1	1		1	1	1	1	1	1		
37	1024	28-Mar-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
37	1024	10-Apr-92	17	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1		

[illegible]

STATE	SECTION	DATE	Row Summary	STATION ID																							
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500			
48	1111	07-Sep-93	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1113	02-Apr-90	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1116	29-Mar-90	18	1	1	1		1	1		1	1	1	1	1	1	1	1	1	1		1	1	1			
48	1116	21-Oct-91	17	1			1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1119	09-Aug-90	18		1	1	1	1	1	1	1		1	1		1	1	1	1	1	1	1	1	1			
48	1119	22-Oct-91	18	1	1		1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1			
48	1122	14-Feb-90	4	1							1							1						1			
48	1122	28-Aug-91	1																					1			
48	1123	08-Feb-90	10		1		1	1					1	1		1			1			1	1	1			
48	1123	09-Mar-92	17	1			1	1	1	1			1	1	1	1	1	1		1	1	1	1	1			
48	1123	08-Apr-93	16		1	1	1	1	1	1	1			1		1		1	1	1	1	1	1	1			
48	1130	05-Feb-90	15	1			1	1		1		1	1	1	1	1	1	1	1	1	1		1	1			
48	1130	18-Nov-91	14	1			1		1		1	1	1	1	1	1	1		1		1	1	1	1			
48	1130	07-Apr-93	18	1	1	1		1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1			
48	1168	24-Aug-89	8	1	1				1					1	1			1	1					1			
48	1169	03-Apr-90	15	1	1	1	1	1	1	1	1	1	1	1	1			1			1	1		1			
48	1169	02-Oct-91	3														1			1				1			
48	1174	22-Feb-90	18	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1			
48	1174	22-Nov-91	19	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1178	09-Jun-89	13	1	1	1	1	1	1	1	1			1				1	1	1				1			
48	1178	18-Feb-92	15		1	1		1	1		1			1	1	1		1	1	1	1	1	1	1			
48	1181	06-Aug-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1181	20-Nov-91	20	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1183	21-Jun-89	17	1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1			
48	1183	12-Nov-91	19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	1183	13-Apr-93	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	3609	22-Jun-89	8					1						1	1	1	1				1	1		1			
48	3609	24-Oct-91	10					1						1	1	1	1	1			1	1	1	1			
48	3729	23-Feb-90	13	1	1							1		1	1	1	1	1	1	1		1	1	1			
48	3729	18-Mar-92	14	1		1	1				1	1	1	1		1	1	1	1	1	1			1			
48	3739	26-Feb-90	16	1		1	1	1			1	1	1		1	1	1	1	1	1	1	1		1			
48	3739	21-Nov-91	5	1								1								1				1			
48	3739	30-Mar-93	12		1	1		1		1		1					1	1	1	1	1		1	1			
48	3749	27-Feb-90	14		1	1	1	1	1		1	1	1	1	1	1	1			1	1						
48	3749	25-Nov-91	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1			
48	3749	01-Apr-93	17	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1		1			1			
48	3769	11-Jul-89	14	1	1	1	1	1	1		1					1		1	1	1		1	1	1			
48	3769	22-Aug-91	4	1				1												1				1			
48	3855	02-Aug-90	7						1		1			1		1	1			1				1			
48	3855	27-Nov-91	6				1	1					1	1						1							
48	3865	07-Aug-90	12			1	1				1	1	1			1	1	1		1	1			1			
48	3865	15-Nov-91	3									1								1				1			
48	3875	07-Nov-91	10				1				1	1				1	1	1		1	1	1	1	1			
48	9005	06-Feb-90	14					1			1	1	1	1	1	1	1	1	1	1	1	1	1	1			
48	9005	06-Mar-92	5				1											1		1			1	1			
49	1001	10-Apr-89	5	1														1		1	1	1					
49	1008	14-Apr-89	1					1																			
49	1008	17-Jul-91	10	1	1	1									1	1	1		1	1		1	1				
50	1002	07-Sep-89	9	1	1		1				1	1		1	1	1			1								
50	1002	15-Mar-91	18	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1			
50	1004	14-Jul-89	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
51	1002	10-Apr-89	19	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1			
51	1002	12-Mar-90	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
51	1002	05-Feb-93	15	1	1		1	1	1		1	1			1		1	1		1	1	1	1	1			
51	1023	14-Apr-89	6														1	1			1	1	1	1			
51	1023	21-Feb-90	4	1				1							1					1							
51	1023	06-Dec-93	14		1	1		1	1	1	1	1		1		1	1	1				1	1	1			
51	1464	03-Oct-89	8	1	1	1	1					1	1									1	1				
51	1464	01-Mar-90	13	1	1	1	1	1	1	1	1	1		1								1	1	1			
53	1006	30-May-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
53	1006	01-Sep-92	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
53	1007	22-Apr-92	19	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1			
53	1008	28-May-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
53	1501	29-May-91	8	1	1	1	1	1	1	1	1																
53	1801	05-Jun-91	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1			

STATE	SECTION	DATE	Row Summary	STATION ID																			
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475
56	1007	13-May-91	16	1	1	1	1	1		1	1				1	1	1	1	1	1	1	1	1
56	7775	10-May-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
81	1803	09-May-90	18		1	1	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1
81	1803	20-Aug-93	20	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
81	1804	10-May-90	1															1					
81	1804	17-Aug-93	19	1	1	1	1	1	1	1	1			1	1	1	1	1		1	1	1	1
81	1805	14-May-90	13	1	1	1	1			1	1			1	1			1	1	1		1	1
81	1805	24-Aug-93	20	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1
82	1005	24-May-90	14	1	1	1	1	1			1	1	1	1	1	1	1	1		1			
82	1005	27-Aug-92	18	1	1	1	1	1	1			1		1	1	1	1	1	1	1	1	1	1
82	1005	30-Apr-93	19	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1
82	1005	18-Nov-93	9	1						1					1			1	1		1	1	1
83	1801	07-Jun-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
83	1801	13-Nov-91	7	1	2		1	1			1	1											
83	1801	03-Mar-92	1			1																	
83	1801	01-Apr-92	8		1			2	1	1	1	2											
83	1801	23-Apr-92	22	3	2	2	2	2	3	3	2	3											
83	1801	19-May-92	36	4	4	4	4	4	4	4	4	4											
83	1801	16-Jul-92	23	3	3	1	3	3	3	3	3	1											
83	1801	14-Jun-93	18	1	1	1	1	1	1	1	1	1	1	1	1	1		1		1	1	1	1
83	6450	06-Jul-89	15	1	1	1	1	1	1	1	1	1		1	1			1			1	1	1
83	6450	12-Oct-89	12				1				1	1	1		1	1		1	1		1	1	1
83	6450	21-Jun-91	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
83	6450	11-Jun-93	11				1		1						1	1	1	1		1	1	1	1
83	6451	06-Jul-89	16	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1
83	6451	12-Oct-89	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
83	6451	21-Jun-91	20	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
83	6451	11-Jun-93	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
85	1801	13-Nov-89	9	1	1	1		1	1					1		1	1						1
85	1801	25-Jun-90	15	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1				1
85	1803	11-Nov-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
85	1803	27-Jun-90	16	1	1		1	1	1		1			1	1		1	1	1	1	1	1	1
85	1808	11-Nov-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
87	1620	04-Jun-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
87	1620	19-Jul-90	18	1	1	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1
87	1620	21-Apr-92	18	1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1
87	1620	19-Apr-93	18	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1	1	1
87	1622	23-Jul-90	10			1				1						1	1	1	1	1	1		1
87	1622	22-Sep-93	7	1	1	1	1	1	1	1	1												
87	1622	23-Sep-93	13	1	1		1			1					1	1	1	1	1		1	1	
88	1645	16-Nov-89	12	1							1	1	1			1	1	1	1	1			1
88	1645	16-Aug-90	19	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89	1021	03-Nov-89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89	1021	11-Jul-90	17	1	1	1	1	1	1	1	1	1			1		1	1	1	1		1	1
89	1125	27-Oct-89	19	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1
89	1125	05-Jul-90	2													1				1			
89	1127	27-Oct-89	14	1		1		1		1		1	1	1	1		1	1		1	1	1	1
89	1127	03-Jul-90	11					1	1	1	1	1	1			1	1				1	1	1
90	6405	13-Jun-90	14		1	1				1	1	1			1	1	1	1		1	1	1	1
90	6405	31-Mar-92	24														3	3	2	3	4	3	4
90	6405	22-Apr-92	19														3	3	4	3	2	1	1
90	6405	21-May-92	19														2	3	3	2	2	2	1
90	6405	24-Jul-92	4														1	1	1		1		
90	6405	16-Jun-93	12		1				1		1	1	1	1	1	1	1	1		1	1		
90	6410	14-Jun-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
90	6412	14-Jun-90	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STATE	SECTION	DATE	Row Summary	STATION ID																				
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
1	1011	9/27/90	12	1		1	1				1	1		1	1		1		1		1	1	1	
1	1011	9/28/92	21	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1021	10/12/89	10	1	1						1	1	1			1					1	1	1	1
1	4073	9/25/90	13			1		1				1	1		1	1	1	1		1	1	1	1	1
1	4073	9/25/92	16	1		1	1		1		1	1	1	1	1			1	1	1	1	1	1	1
4	1062	3/6/89	8			1	1	1	1					1	1		1	1	1					
4	1062	3/2/92	6			1									1		1	1	1					1
4	1062	11/4/92	13	1	1	1	1	1	1			1		1	1	1	1	1	1					1
4	1065	3/7/89	6		1							1	1		1				1				1	
4	1065	3/2/92	12			1			1					1	1	1	1		1	1	1	1	1	1
4	1065	11/3/92	15	1		1	1		1		1	1	1	1	1	1		1	1	1	1	1	1	1
5	2042	7/11/90	2	1																	1			
5	2042	6/30/93	4	1	1	1																		1
5	3048	7/11/90	9			1		1							1			1	1	1		1	1	1
5	3048	6/29/93	11	1		1				1	1		1	1		1	1		1		1	1	1	
5	3058	6/17/93	1															1						
5	3071	6/19/90	8		1		1		1		1									1	1	1		1
5	3071	12/6/90	2	1																				1
5	3071	8/12/91	1	1																				
6	2002	11/9/89	11	1	1	1			1	1	1	1	1				1			1				1
6	2038	12/6/89	11	1		1		1	1		1	1	1				1			1	1			1
6	2040	12/7/89	13	1	1	1		1					1	1	1	1		1	1	1			1	
6	2051	12/12/89	10	1	1	1			1			1	1			1		1	1	1				
6	7452	12/11/89	10	1	1				1		1						1	1	1	1		1	1	
6	8149	11/2/92	2													1		1						
6	8149	5/26/93	2									1		1										
6	8150	1/3/90	16	1	1	1	1		1	1	1	1		1		1	1		1	1	1		1	1
8	7781	10/25/91	1	1																				
10	1450	5/4/89	8	1	1											1		1	1		1	1	1	
10	1450	7/24/91	7		1				1	1											1	1	1	1
12	4096	11/20/89	12	1						1	1	1			1	1	1		1	1	1	1		1
12	4097	11/21/89	4					1					1			1						1		
12	4100	11/15/89	13	1	1			1			1			1	1	1		1	1	1	1	1	1	1
12	4108	11/16/89	15	1	1		1	1	1	1	1	1		1	1	1	1		1		1		1	1
13	4092	2/15/93	4	1			1														1		1	
13	4093	8/21/90	10			1				1	1			1	1	1	1	1			1		1	
13	4093	2/15/93	7		1	1		1			1	1				1				1				
13	4096	2/16/93	6				1			1	1							1		1				1
13	4112	9/20/89	6					1				1				1		1	1		1			
13	4113	9/20/89	3								1								1			1		
13	4113	2/12/93	6	1		1				1	1	1		1										
13	4119	10/29/90	14			1	1	1	1	1		1	1	1	1		1	1	1	1	1	1		
13	4119	9/23/92	6	1		1										1		1	1					1
13	4420	9/25/89	5		1										1	1				1		1		
13	4420	6/10/91	9			1					1		1	1			1	1			1	1		1
13	4420	4/21/92	9		1	1			1		1	1				1		1		1		1		
13	4420	11/30/93	5					1			1	1		1	1									
22	3056	7/17/90	4					1					1							1			1	
22	3056	3/30/92	6													1	1			1	1	1	1	
24	1632	4/19/89	12	1	1	1		1	1			1	1				1	1	1			1	1	
24	1632	4/18/90	16	1	1	1	1	1	1		1	1	1	1	1		1	1	1		1		1	
24	2401	4/25/89	1	1																				
28	2807	10/11/90	2										1					1						
28	2807	7/19/91	7						1	1	1		1	1		1							1	
28	2807	6/24/92	1															1						
28	2807	8/3/93	2					1				1												
28	3081	10/3/90	9					1	1		1	1						1		1		1	1	1
28	3081	11/13/92	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
28	3082	10/23/90	20	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	3082	11/16/92	18	1	1	1	1	1	1		1	1		1	1	1	1	1	1	1	1	1	1	1
28	3083	10/15/90	8	1	1					1			1	1							1	1	1	
28	3083	7/23/91	8			1			1			1	1	1						1	1	1		
28	3085	10/16/90	2															1		1				
28	3085	7/24/91	3			1			1															1
28	3087	10/12/90	6	1		1							1	1	1	1								
28	3087	7/22/91	4	1																1			1	1
28	3089	11/19/92	2		1													1						
28	3090	10/24/90	17	1	1		1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	1
28	3091	10/18/89	7		1		1		1							1				1	1	1		

STATE	SECTION	DATE	Row Summary	STATION ID																							
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500			
28	3091	11/9/92	9	1		1									1	1	1		1			1	1				
28	3093	11/10/89	18	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1			1	1	1	1	
28	3093	11/25/92	19		1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	
28	3094	11/17/89	7	1			1	1							1			1	1	1							
28	3094	1/19/93	11	1				1	1	1	1	1	1			1	1	1			1						
30	7076	5/21/91	3			1				1											1						
32	1030	2/26/89	2							1													1				
32	1030	3/4/92	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	
32	1030	10/1/92	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	1	
32	7000	5/5/89	1																	1							
32	7000	9/13/91	18	1			1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34	1033	5/16/89	12			1	1	1	1	1	1	1					1	1	1	1	1		1				
34	1033	7/12/91	2									1															
34	1034	5/9/89	15				1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	
34	1034	7/9/91	10			1	1	1	1	1	1			1				1		1		1				1	
34	1638	5/9/89	14		1	1		1	1	1	1	1	1						1	1	1	1	1	1	1	1	
35	2118	7/26/89	7			1					1					1		1					1				
36	1008	7/31/89	11	1	1	1	1			1				1	1				1			1		1	1	1	
36	1008	8/2/90	7			1				1	1			1									1	1	1	1	
36	1644	7/24/89	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
36	1644	5/23/90	20	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	
36	1644	11/18/93	16	1	1		1	1	1	1	1	1	1	1			1		1	1			1	1	1	1	
37	1645	3/13/89	8		1	1				1			1	1			1	1									
37	2819	12/14/88	3		1						1										1						
37	2819	4/13/92	9	1	1	1			1	1	1		1	1		1											
37	2819	9/30/92	12	1	1	1		1	1				1	1	1	1	1							1	1		
37	2824	10/18/89	6		1	1							1					1			1				1		
37	2824	10/31/90	9		1													1	1	1		1	1	1	1	1	
37	2824	4/24/91	9		1									1	1			1	1			1	1	1	1	1	
38	2001	9/29/93	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	4086	5/21/90	5		1					1	1	1		1													
40	4087	5/23/90	20	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	4087	12/11/90	5	1				1					1					1								1	
40	4088	6/1/90	2																	1	1						
40	4088	12/7/90	3	1				1																		1	
40	4088	4/26/93	4			1		1	1																	1	
40	4154	5/17/90	16	1	1	1	1	1	1		1	1	1				1	1	1	1	1	1	1	1	1	1	
40	4154	5/5/93	12			1	1	1						1	1	1	1	1	1	1		1				1	
40	4163	5/24/90	9	1				1		1		1	1	1				1		1	1						
40	4163	4/29/93	17		1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	
40	4164	5/29/90	12		1	1	1		1				1	1	1	1	1	1	1	1							
40	4164	4/28/93	15		1	1	1	1	1	1	1	1	1	1			1		1	1	1	1					
40	4165	4/27/93	11			1	1	1				1	1	1			1	1	1					1	1	1	
41	2002	10/11/89	8			1	1	1	1	1						1			1				1				
41	2002	5/5/93	8	1						1	1	1				1		1					1	1		1	
41	2002	10/20/93	13	1			1			1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	
46	9106	3/25/92	17		1	1		1	1	1		1	1	1	1	1	1		1	1	1	1	1	1	1	1	
47	1028	4/25/89	1									1															
47	2001	5/10/89	4		1												1	1			1						
47	2001	7/29/91	12	1	1	1	1						1				1	1	1	1	1				1	1	
47	2008	5/9/89	5	1	1	1	1					1															
47	2008	8/6/92	1		1																						
47	3101	5/3/89	13	1	1								1	1	1	1	1		1	1	1	1	1	1	1	1	
47	3101	11/16/90	6	1				1					1					1			1					1	
47	3101	6/24/91	17		1	1	1	1	1	1	1	1	1	1	1	1			1		1	1	1	1	1	1	
47	3101	12/10/93	6	1				1					1					1			1					1	
47	3108	4/27/89	13			1	1			1	1		1	1			1	1	1	1	1	1				1	
47	3108	8/17/92	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
47	3109	8/7/92	11	1		1	1	1		1	1		1			1	1					1					
47	3110	5/12/89	1															1									
47	3110	8/19/92	8				1									1	1	1	1		1		1	1			
47	9024	8/11/92	2													1			1								
47	9025	5/3/89	12				1	1		1	1	1	1	1	1	1	1		1		1	1					
48	1049	3/28/90	6						1				1						1		1	1			1		
48	2176	6/26/89	5	1		1		1								1									1		
48	2176	10/28/91	4		1			1		1					1												
48	3559	9/6/91	6	1				1					1					1			1					1	
48	3669	3/26/90	9	1		1	1	1		1	1				1			1					1				
48	3679	3/27/90	5		1						1					1	1				1						

STATE	SECTION	DATE	Row Summary	STATION ID																						
				0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		
48	3689	3/20/90	7			1	1						1						1	1	1		1			
48	3689	2/21/92	7			1	1											1	1			1	1			
50	1681	5/15/90	9	1		1		1	1				1		1			1	1		1					
50	1681	5/1/91	19	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1		1		
50	1681	7/27/92	9	1	1		1			1			1				1				1	1		1		
50	1683	5/17/90	15		1	1	1				1		1	1	1	1	1	1	1	1	1	1	1	1		
50	1683	4/30/91	18	1	1		1	1	1		1	1	1	1	1	1	1	1	1		1	1	1	1		
50	1683	7/24/92	7		1					1				1					1	1	1			1		
51	1417	10/4/89	2										1											1		
51	1417	11/5/90	4		1					1						1							1			
51	1419	9/28/89	6							1					1		1			1	1		1			
51	1419	3/9/90	7				1		1	1				1		1				1	1					
51	1423	9/27/89	18	1	1	1	1		1	1	1	1	1	1	1	1	1	1		1	1	1		1		
51	1423	3/9/90	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1		
51	2004	4/11/89	13		1	1			1	1	1	1		1	1	1		1	1		1	1				
51	2004	3/7/90	12			1	1		1				1			1	1	1	1	1	1	1	1	1		
51	2021	4/6/89	18	1	1	1	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1		
51	2021	3/8/90	19	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
54	1640	9/19/89	17	1	1	1	1	1	1	1	1	1	1	1	1			1	1	1		1	1	1		
54	1640	4/2/90	15	1	1	1	1		1	1	1		1	1	1		1	1	1	1			1	1		
54	1640	5/8/92	16	1	1	1	1	1	1	1	1		1	1	1	1		1	1				1	1		
56	2015	6/24/89	1		1																					
56	2018	6/20/89	8					1	1				1		1	1		1						1		
56	2019	6/22/89	1							1																
56	2020	6/8/89	7				1			1	1	1	1					1						1		
56	2037	6/16/89	6			1		1			1		1		1									1		
56	7773	6/19/89	6	1	1							1				1						1	1			
87	1680	7/18/90	7	1		1		1	1	1	1	1														
87	2811	8/31/89	17	1	1	1	1	1	1	1	1	1	1			1		1	1	1	1	1	1	1		
87	2811	7/26/90	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1		
87	2812	8/31/89	15		1	1	1	1	1	1	1		1	1		1	1	1		1		1	1	1		
87	2812	7/25/90	16		1	1	1	1				1	1	1		1	1	1	1	1	1	1	1	1		
88	1647	11/17/89	3					1			1													1		
88	1647	8/15/90	15		1	1	1	1	1	1	1	1	1	1		1	1		1		1	1				
89	2011	10/26/89	18	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1		
89	2011	7/4/90	12				1	1	1	1	1	1	1	1	1					1		1	1	1		

APPENDIX C - ANALYSIS OF GPS-2 SECTIONS WITH OTHER BASE TREATMENT THAN ASPHALTIC

Following the same analysis steps of other sections, the analysis of GPS-2 sections with base course treatment other than asphalt-treated base is presented here. It was felt that these sections should be separated from the rest for the following two reasons. First, the backcalculation results of these sections had a larger deflection fit error than that of the rest of the sections, possibly because of the existence of a stiff layer underneath the AC surface course. Less than 23 percent of the backcalculation results passed the 2 percent average absolute percentage error per deflection sensor criterion. It was then decided to relax the deflection basin fit criterion to an average absolute percentage error per deflection sensor of 5 percent. Second, damage analysis for lime- and cement-stabilized base layers may require fatigue transfer functions for such material and a slightly different analysis method. The remainder of this appendix presents the results of backcalculation, forward analysis, and damage analysis for these sections.

Backcalculation

MODULUS was used to backcalculate the pavement layer moduli for GPS-2 sections with base layer treatments other than asphalt-treated base. For these sections, the backcalculation error resulting from using WESDEF was too large to use the results in subsequent analysis. MODULUS was found to produce less error. A sample of MODULUS output is presented in this appendix.

Forward Calculation

For the backcalculated moduli with an average absolute percentage error per deflection sensor of less than 5 percent, WESLEA program was used to calculate the critical strains (horizontal tensile strain at the bottom of the AC layer and the vertical compressive strain at the top of the subgrade, and other layers) resulting from traffic loading. Test sections missing traffic data were excluded from the structural analysis. Before performing the structural analysis, pavement structural parameters were adjusted to be representative of the whole performance life of the pavement. The seasonal, long-term, and spatial variations of pavement parameters were considered in the analysis, as discussed in the report. A sample of WESLEA output is given in this appendix.

Damage Analysis

The objective of this analysis was to evaluate how well the damage analysis using the Asphalt Institute models would predict fatigue cracking and rutting. The calculations of the damage associated with each distress were performed according to the Asphalt Institute models. It was assumed the AI models are applicable to the AC-surfaced pavements with cement- or lime-treated bases.

Figure C.1 shows the relationship between observed fatigue cracking, as a ratio of the total surveyed area, and computed fatigue damage ratio. Six of the seven sections exhibited no fatigue cracking, although some of these sections had fatigue damage ratio of up to 22 percent. The

seventh section exhibited less than 1 percent fatigue cracking. From the limited amount of data (only seven sections), it seems that these sections are performing better than expected, from the standpoint of fatigue cracking. The absence of large fatigue damage ratios limited the effort to evaluate the accuracy of the mechanistic-empirical approach in predicting pavement failure for the AC pavements with stabilized (non-asphalt treated) bases.

Figure C.2 shows the relationship between observed pavement rutting and computed permanent deformation damage ratio. Only four sections had rutting survey data. The figure shows that rut depth increases with the increase in the rutting damage ratio. The maximum rut depth [10.2 mm (0.4 in)] was associated with the maximum damage ratio (6 percent). This particular section exhibited more rutting than would be expected from the damage analysis. However, all data points meet the one-point criterion that when the damage ratio is less than 100 percent, rut depth should be less than 12.7 mm (0.5 in). Again, the amount of data was too small to observe any statistically significant trends.

The following two tables are attached:

1 – Modulus backcalculation results

The following is a list of the variables in the table, and their definition:

SHRPID	6-digit number made of the state code and the LTPP section code (section identification).
DATE	FWD testing date.
STATION	The station of testing point, measured in feet from the section start (on the wheelpath).
E1	The AC layer modulus of elasticity, at testing temperature, psi.
CorrE1	The AC layer modulus of elasticity, corrected to the mean annual pavement temperature, psi.
Corr70E1	The AC layer modulus of elasticity, corrected to 21 °C (70 °F).
E2	The base layer modulus of elasticity, psi.
E3	The subbase layer modulus of elasticity, psi.
E4	The subgrade layer modulus of elasticity, psi.
limit	Indicator of whether the backcalculated modulus is the maximum or minimum specified values.
Convexity	Indicator of whether the basin failed the convexity test (if there was a local minima).
AbsError	The deflection match error, average absolute percent difference per sensor.

2 – Values of critical strains, calculated by WESLEA

This table reports the results of the structural analysis, performed using the traffic loads, load configurations, and the backcalculated moduli. The following is a list of the variables in the table:

STATE	State code used in LTPP.
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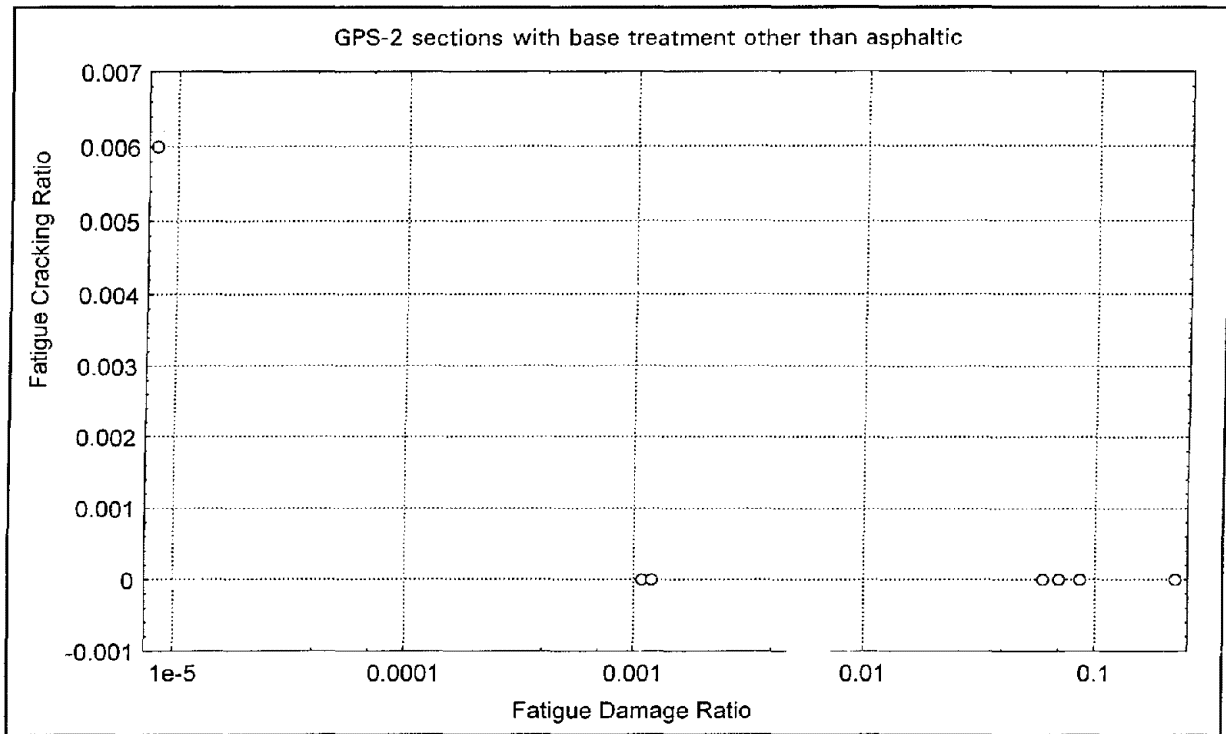
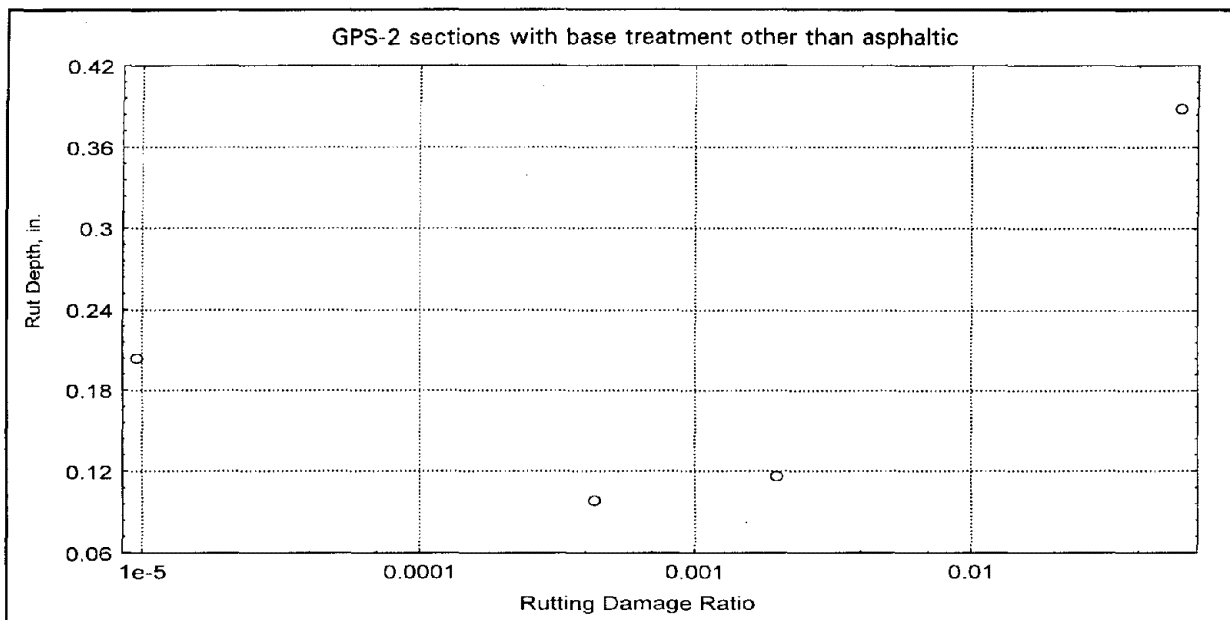


Figure C.1. Observed fatigue cracks versus damage ratio.



1 in = 25.4 mm

Figure C.2. Observed rutting versus rutting damage ratio.

SECTION	Section code used in the LTPP.
LOAD/W	Wheel load, pound.
AXLE	Axle type (1 = single, 2 = tandem, 3 = tridem).
COUNT-R	Cumulative count of the passage of that load type, up to the date of last rutting survey.
COUNT-D	Cumulative count of the passage of that load type, up to the date of last distress survey.
E1	The AC layer modulus of elasticity, at testing temperature, psi.
E2	The base layer modulus of elasticity, psi.
E3	The subbase layer modulus of elasticity, psi.
E4	The subgrade layer modulus of elasticity, psi.
E1T	The maximum horizontal tensile strain at the bottom of the AC layer, micro strain units, at a point located under the wheel.
E2C	The maximum compressive strain at the top of the base layer, micro strain units, at a point located under the wheel.
E2T	The maximum horizontal tensile strain at the bottom of the base layer, micro strain units, at a point located under the wheel.
E4C	The maximum compressive strain at the top of the subgrade, micro strain units, at a point located under the wheel.
E1T-BET	The maximum horizontal tensile strain at the bottom the AC layer, micro strain units, at a point located midway between the loading wheels.
E2C-BET	The maximum compressive strain at the top of the base layer, micro strain units, at a point located midway between the loading wheels.
E2T-BET	The maximum horizontal tensile strain at the bottom of the base, micro strain units, at a point located midway between the loading wheels.
E3C-BET	The maximum compressive strain at the top of the subgrade, micro strain units, at a point located midway between the loading wheels.

Modulus Backcalculation Results

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
52042	11-Jul-90	0	106129	341527	343193	455785	0	5875	FALSE	FALSE	1.072
52042	11-Jul-90	25	454914	1462575	1469709	302852	0	4088	FALSE	FALSE	3.299
52042	11-Jul-90	50	163780	526074	528640	876853	0	4313	FALSE	FALSE	2.967
52042	11-Jul-90	75	405640	1301739	1308089	219392	0	4937	FALSE	FALSE	3.972
52042	11-Jul-90	100	220483	706896	710344	155285	0	4146	FALSE	FALSE	4.962
52042	11-Jul-90	350	297551	945471	950083	90115	0	3440	FALSE	FALSE	4.974
52042	30-Jun-93	50	289380	539169	541799	271991	0	4095	FALSE	FALSE	4.017
52042	30-Jun-93	75	560335	1049321	1054439	246788	0	4100	FALSE	FALSE	3.449
52042	30-Jun-93	100	242986	456573	458800	163731	0	3836	FALSE	FALSE	4.75
52042	30-Jun-93	450	410024	890195	894537	214002	0	4458	FALSE	FALSE	4.372
53048	11-Jul-90	0	163348	263008	266147	1175371	0	14054	FALSE	FALSE	4.002
53048	11-Jul-90	25	713953	1152438	1166191	342894	0	16529	FALSE	FALSE	4.919
53048	11-Jul-90	50	782971	1268622	1283761	616290	0	16199	FALSE	FALSE	3.775
53048	11-Jul-90	75	790649	1284288	1299614	781242	0	15451	FALSE	FALSE	1.902
53048	11-Jul-90	100	1070339	1745173	1765999	571269	0	16550	FALSE	FALSE	3.733
53048	11-Jul-90	200	831468	1376311	1392735	675890	0	14469	FALSE	FALSE	2.678
53048	11-Jul-90	250	710082	1182797	1196912	452033	0	13246	FALSE	FALSE	3.983
53048	11-Jul-90	275	532903	889902	900521	546230	0	13479	FALSE	FALSE	4.741
53048	11-Jul-90	300	604470	1011955	1024031	324655	0	12713	FALSE	FALSE	3.652
53048	11-Jul-90	325	753354	1265971	1281079	600271	0	16860	FALSE	FALSE	4.502
53048	11-Jul-90	350	1111451	1872438	1894780	562922	0	15426	FALSE	FALSE	2.926
53048	11-Jul-90	375	612072	1040262	1052676	961547	0	15796	FALSE	FALSE	3.58
53048	11-Jul-90	400	845796	1441113	1458311	692331	0	16109	FALSE	FALSE	4.067
53048	11-Jul-90	450	705790	1210148	1224590	684301	0	13706	FALSE	FALSE	2.135
53048	11-Jul-90	475	984536	1694467	1714688	458752	0	11280	FALSE	FALSE	2.089
53048	11-Jul-90	500	915886	1582273	1601155	465332	0	11673	FALSE	FALSE	2.585
53048	29-Jun-93	0	592119	1036579	1048949	520226	0	12780	FALSE	FALSE	3.473
53048	29-Jun-93	25	822589	1452335	1463667	500688	0	14643	FALSE	FALSE	3.891
53048	29-Jun-93	50	852787	1514206	1532276	725479	0	15728	FALSE	FALSE	2.687
53048	29-Jun-93	75	952038	1704863	1725208	574504	0	14880	FALSE	FALSE	1.752
53048	29-Jun-93	100	887862	1598973	1618054	670326	0	15138	FALSE	FALSE	4.544
53048	29-Jun-93	125	823170	1495119	1512961	453734	0	14153	FALSE	FALSE	3.53
53048	29-Jun-93	150	807156	1478544	1496189	758171	0	13003	FALSE	FALSE	2.196
53048	29-Jun-93	175	1411985	2601162	2632203	865886	0	14373	FALSE	FALSE	2.769
53048	29-Jun-93	200	748342	1390363	1406955	467446	0	12891	FALSE	FALSE	3.626
53048	29-Jun-93	225	537302	1006786	1018800	202485	0	12440	FALSE	FALSE	4.647
53048	29-Jun-93	250	846475	1604182	1623326	353835	0	11312	FALSE	FALSE	2.724
53048	29-Jun-93	275	571451	1089128	1102125	439040	0	11053	FALSE	FALSE	3.87
53048	29-Jun-93	300	658670	1266072	1281181	299993	0	11505	FALSE	FALSE	2.352
53048	29-Jun-93	325	712001	1376496	1392822	597410	0	15893	FALSE	FALSE	3.901
53048	29-Jun-93	350	656144	1279207	1294473	644662	0	14709	FALSE	FALSE	4.132
53048	29-Jun-93	375	978180	1923318	1946270	634615	0	15097	FALSE	FALSE	1.792
53048	29-Jun-93	450	1000690	2006982	2030933	437450	0	12924	FALSE	FALSE	2.04
53048	29-Jun-93	475	825330	1669407	1689329	448928	0	11261	FALSE	FALSE	1.909
53048	29-Jun-93	500	552436	1133359	1146884	479057	0	12017	FALSE	FALSE	3.455
62002	09-Nov-89	175	2620418	1914204	1416625	407316	104220	20784	FALSE	FALSE	0.671
62002	09-Nov-89	225	851639	631256	467167	774191	78801	20897	FALSE	FALSE	0.31
62002	09-Nov-89	400	775807	593240	439033	447112	69986	19224	FALSE	FALSE	0.61
62002	09-Nov-89	450	2800479	2156474	1595920	457768	89722	23659	FALSE	FALSE	0.733
62002	09-Nov-89	500	1576727	1222337	904603	416761	84237	20643	FALSE	FALSE	0.284
67452	11-Dec-89	375	123332	75959	68816	299826	36676	29982	FALSE	FALSE	2.627
68150	03-Jan-90	50	457790	228068	255267	337386	148804	14903	FALSE	FALSE	0.998
101450	04-May-89	0	1663220	1513817	1323421	1398091	0	22096	FALSE	FALSE	1.622
101450	04-May-89	50	2506650	2303051	2013390	427718	0	21112	FALSE	FALSE	0.8
101450	04-May-89	75	1120828	1033025	903098	253994	0	22397	FALSE	FALSE	1.945
101450	04-May-89	100	928736	861366	753030	222334	0	23939	FALSE	FALSE	3.334
101450	04-May-89	125	1336451	1242100	1085878	426587	0	23245	FALSE	FALSE	2.537
101450	04-May-89	150	1799090	1682599	1470974	507186	0	24220	FALSE	FALSE	0.722
101450	04-May-89	175	1544643	1449165	1266899	185375	0	26345	FALSE	FALSE	1.644
101450	04-May-89	200	1782062	1685949	1473903	393407	0	25659	FALSE	FALSE	0.48
101450	04-May-89	225	1048803	999525	873812	280549	0	28072	FALSE	FALSE	3.252
101450	04-May-89	250	1032132	991897	867144	299026	0	26806	FALSE	FALSE	3.026
101450	04-May-89	275	1601409	1543817	1349647	500404	0	24023	FALSE	FALSE	2.259
101450	04-May-89	300	1742801	1685401	1473424	1271635	0	22466	FALSE	FALSE	0.327
101450	04-May-89	325	1594972	1545669	1351268	1080869	0	23124	FALSE	FALSE	1.978
101450	04-May-89	350	1530353	1487706	1300593	1009718	0	22668	FALSE	FALSE	0.948

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
101450	04-May-89	375	1648000	1607107	1404977	1345908	0	23802	FALSE	FALSE	0.525
101450	04-May-89	400	1237437	1218138	1064930	663319	0	25090	FALSE	FALSE	2.243
101450	04-May-89	425	1317473	1307817	1143330	774610	0	25025	FALSE	FALSE	1.797
101450	04-May-89	450	1097843	1093220	955723	1210639	0	22761	FALSE	FALSE	2.108
101450	04-May-89	503	1066413	1073082	938117	732324	0	17439	FALSE	FALSE	2.243
101450	24-Jul-91	0	338848	686463	600125	533803	0	23803	FALSE	FALSE	4.212
101450	24-Jul-91	25	496543	1011334	884136	1134023	0	23880	FALSE	FALSE	1.76
101450	24-Jul-91	55	414488	854821	747308	464662	0	21003	FALSE	FALSE	1.502
101450	24-Jul-91	75	425436	882110	771165	348131	0	23226	FALSE	FALSE	2.143
101450	24-Jul-91	100	281692	586156	512434	207267	0	24375	FALSE	FALSE	3.621
101450	24-Jul-91	125	310881	651528	569584	630663	0	21917	FALSE	FALSE	1.603
101450	24-Jul-91	150	303980	639344	558932	734745	0	24067	FALSE	FALSE	2.407
101450	24-Jul-91	175	466546	986528	862449	254991	0	23760	FALSE	FALSE	2.013
101450	24-Jul-91	200	403700	859753	751620	400171	0	26657	FALSE	FALSE	1.706
101450	24-Jul-91	225	323220	695767	608259	412324	0	27868	FALSE	FALSE	2.515
101450	24-Jul-91	250	280393	608987	532393	242474	0	26928	FALSE	FALSE	3.299
101450	24-Jul-91	275	334632	733304	641075	680709	0	24830	FALSE	FALSE	3.354
101450	24-Jul-91	400	340529	778885	680922	704329	0	26706	FALSE	FALSE	2.734
101450	24-Jul-91	425	287055	663643	580175	1083570	0	26281	FALSE	FALSE	1.886
101450	24-Jul-91	450	308902	716705	626563	730050	0	21713	FALSE	FALSE	2.636
101450	24-Jul-91	475	321532	750014	655683	1132369	0	19817	FALSE	FALSE	0.577
134092	15-Feb-93	25	1691320	1054819	1247103	750189	0	17655	FALSE	FALSE	1.223
134092	15-Feb-93	200	2287770	1455597	1720939	546711	0	17022	FALSE	FALSE	0.912
134092	15-Feb-93	300	2419938	1555965	1839603	701695	0	14371	FALSE	FALSE	4.752
134092	15-Feb-93	325	3758943	2424551	2866524	435516	0	15434	FALSE	FALSE	0.908
134092	15-Feb-93	375	2832426	1836570	2171360	748379	0	14146	FALSE	FALSE	2.111
134092	15-Feb-93	400	2129852	1385378	1637920	89414	0	14333	FALSE	FALSE	2.98
134092	15-Feb-93	425	799005	522458	617697	1492487	0	14819	FALSE	FALSE	4.86
134092	15-Feb-93	450	2718165	1782986	2108008	633773	0	17812	FALSE	FALSE	1.529
134093	15-Feb-93	175	1007489	844478	1004472	1481115	0	15987	FALSE	FALSE	3.815
134093	15-Feb-93	200	1099503	925124	1100397	1239273	0	19383	FALSE	FALSE	1.891
134093	15-Feb-93	275	1272875	1087453	1293480	1189661	0	20597	FALSE	FALSE	1.849
134093	15-Feb-93	350	3279132	2844493	3383407	663287	0	17024	FALSE	FALSE	3.708
134093	15-Feb-93	450	1558408	1377855	1638902	811525	0	20063	FALSE	FALSE	1.18
134093	15-Feb-93	475	1349796	1200255	1427654	1017139	0	21433	FALSE	FALSE	1.347
134096	16-Feb-93	0	3312302	3174331	3624339	81250	0	30198	FALSE	FALSE	1.107
134096	16-Feb-93	25	2966818	2854072	3258678	281107	0	29512	FALSE	FALSE	0.308
134096	16-Feb-93	50	1391360	1341883	1532114	71570	0	30418	FALSE	FALSE	2.656
134096	16-Feb-93	75	2879102	2787301	3182441	75483	0	26734	FALSE	FALSE	0.51
134096	16-Feb-93	100	1482370	1440572	1644794	80678	0	27133	FALSE	FALSE	0.5
134096	16-Feb-93	200	917849	903348	1031411	105870	0	28940	FALSE	FALSE	0.346
134096	16-Feb-93	225	2546659	2512788	2869013	81272	0	32974	FALSE	FALSE	1.912
134096	16-Feb-93	250	3850880	3814141	4354851	107092	0	32966	FALSE	FALSE	0.649
134096	16-Feb-93	275	3416622	3396920	3878484	33341	0	33117	FALSE	FALSE	1.881
134096	16-Feb-93	300	1189729	1185871	1353986	218525	0	28946	FALSE	FALSE	0.626
134096	16-Feb-93	325	2049421	2050559	2341256	70778	0	33165	FALSE	FALSE	0.915
134096	16-Feb-93	350	3149432	3159181	3607042	116043	0	33106	FALSE	FALSE	1.519
134096	16-Feb-93	375	1031026	1038158	1185332	138130	0	34367	FALSE	FALSE	2.366
134096	16-Feb-93	400	4431868	4473855	5108090	76774	0	35881	FALSE	FALSE	0.916
134096	16-Feb-93	425	2980757	3020462	3448656	80124	0	39118	FALSE	FALSE	4.053
134096	16-Feb-93	450	1397069	1419272	1620475	124061	0	31879	FALSE	FALSE	1.309
134096	16-Feb-93	475	2243761	2288106	2612478	121843	0	30359	FALSE	FALSE	0.556
134096	16-Feb-93	500	2156057	2207046	2519927	54777	0	33536	FALSE	FALSE	1.811
134420	25-Sep-89	0	828328	672106	791423	483576	0	20779	FALSE	FALSE	3.215
134420	25-Sep-89	25	1442752	1173106	1381364	364774	0	20557	FALSE	FALSE	3.19
134420	25-Sep-89	50	1480592	1206399	1420568	171101	0	18609	FALSE	FALSE	2.771
134420	25-Sep-89	75	872697	712572	839073	73724	0	18079	FALSE	FALSE	3.047
134420	25-Sep-89	100	1393006	1139800	1342145	86896	0	18170	FALSE	FALSE	1.135
134420	25-Sep-89	125	1437502	1178675	1387922	255425	0	20514	FALSE	FALSE	2.783
134420	25-Sep-89	150	1518924	1247178	1468586	267513	0	20738	FALSE	FALSE	3.58
134420	25-Sep-89	176	934279	768739	905211	318881	0	20487	FALSE	FALSE	3.693
134420	25-Sep-89	200	1915049	1579037	1859359	308557	0	19149	FALSE	FALSE	2.13
134420	25-Sep-89	225	1078048	891382	1049626	636312	0	19002	FALSE	FALSE	2.745
134420	25-Sep-89	250	1001210	829585	976859	434083	0	21008	FALSE	FALSE	3.214
134420	25-Sep-89	275	1699917	1412462	1663213	537427	0	19199	FALSE	FALSE	2.154
134420	25-Sep-89	300	1674829	1394536	1642104	442783	0	20641	FALSE	FALSE	3.497

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
134420	25-Sep-89	325	530444	442597	521170	538548	0	19365	FALSE	FALSE	4.961
134420	25-Sep-89	350	2199057	1838721	2165144	585947	0	19892	FALSE	FALSE	3.14
134420	25-Sep-89	375	1195674	1003249	1181353	504924	0	20138	FALSE	FALSE	3.949
134420	25-Sep-89	400	1854744	1559516	1836373	360967	0	21057	FALSE	FALSE	3.563
134420	25-Sep-89	426	959355	808342	951845	813569	0	19887	FALSE	FALSE	4.094
134420	25-Sep-89	475	1219819	1032123	1215353	511144	0	15757	FALSE	FALSE	2.573
134420	25-Sep-89	500	2320642	1967679	2316996	630516	0	16255	FALSE	FALSE	2.394
134420	10-Jun-91	0	1211040	1514566	1783443	302641	0	13985	FALSE	FALSE	1.798
134420	10-Jun-91	25	386240	487069	573538	450321	0	15010	FALSE	FALSE	2.408
134420	10-Jun-91	50	1062824	1351448	1591367	147238	0	12764	FALSE	FALSE	1.752
134420	10-Jun-91	75	770473	987870	1163243	64194	0	12468	FALSE	FALSE	1.852
134420	10-Jun-91	100	515537	666509	784833	138923	0	13617	FALSE	FALSE	1.454
134420	10-Jun-91	125	526179	687837	809947	362889	0	14976	FALSE	FALSE	2.346
134420	10-Jun-91	150	711899	938371	1104957	309039	0	15798	FALSE	FALSE	2.603
134420	10-Jun-91	175	882205	1175794	1384529	284773	0	14348	FALSE	FALSE	0.943
134420	10-Jun-91	200	676951	909752	1071258	288899	0	15310	FALSE	FALSE	2.343
134420	10-Jun-91	225	521198	708229	833960	561177	0	14695	FALSE	FALSE	2.459
134420	10-Jun-91	250	622504	852938	1004358	392034	0	15245	FALSE	FALSE	1.952
134420	10-Jun-91	275	854502	1177311	1386316	333384	0	14973	FALSE	FALSE	2.654
134420	10-Jun-91	302	811725	1140242	1342666	504163	0	14224	FALSE	FALSE	2.52
134420	10-Jun-91	325	497242	710173	836248	467787	0	14592	FALSE	FALSE	1.458
134420	10-Jun-91	350	1369506	1983203	2335276	587374	0	14286	FALSE	FALSE	1.11
134420	10-Jun-91	375	826735	1282934	1510689	464515	0	14146	FALSE	FALSE	1.688
134420	10-Jun-91	400	437476	684536	806060	373804	0	12717	FALSE	FALSE	2.77
134420	10-Jun-91	425	607804	956331	1126106	410594	0	12123	FALSE	FALSE	1.399
134420	10-Jun-91	450	434214	688894	811192	476768	0	12453	FALSE	FALSE	3.396
134420	10-Jun-91	475	644049	1047563	1233535	316247	0	10581	FALSE	FALSE	1.617
134420	10-Jun-91	500	345319	566351	666894	947545	0	10138	FALSE	FALSE	1.439
134420	21-Apr-92	0	2025328	2142333	2522656	74697	0	11441	FALSE	FALSE	1.582
134420	21-Apr-92	25	731940	775455	913120	210874	0	11889	FALSE	FALSE	1.078
134420	21-Apr-92	50	766579	814306	958868	107209	0	11506	FALSE	FALSE	1.304
134420	21-Apr-92	75	939918	1000025	1177556	29771	0	10868	FALSE	FALSE	1.346
134420	21-Apr-92	100	1445142	1539186	1812434	40265	0	12371	FALSE	FALSE	1.117
134420	21-Apr-92	125	912882	973834	1146716	225864	0	13970	FALSE	FALSE	1.257
134420	21-Apr-92	150	504561	539391	635148	209555	0	13594	FALSE	FALSE	2.522
134420	21-Apr-92	175	1231865	1319693	1553975	222308	0	11536	FALSE	FALSE	0.296
134420	21-Apr-92	200	1004484	1077240	1268480	290302	0	12890	FALSE	FALSE	2.135
134420	21-Apr-92	225	687986	738991	870182	439908	0	12372	FALSE	FALSE	2.237
134420	21-Apr-92	250	525666	565534	659932	302833	0	12552	FALSE	FALSE	1.636
134420	21-Apr-92	275	1104454	1190739	1402128	243043	0	11467	FALSE	FALSE	1.643
134420	21-Apr-92	300	560325	606022	713607	502759	0	12959	FALSE	FALSE	2.655
134420	21-Apr-92	325	460000	505582	595237	273035	0	12450	FALSE	FALSE	3.171
134420	21-Apr-92	350	1100000	1287717	1516322	420979	0	12579	FALSE	FALSE	2.1
134420	21-Apr-92	375	519873	564358	664548	409335	0	12209	FALSE	FALSE	2.711
134420	21-Apr-92	400	1069884	1168218	1375608	220352	0	11645	FALSE	FALSE	1.537
134420	21-Apr-92	425	652451	729595	859118	352868	0	12124	FALSE	FALSE	3.153
134420	21-Apr-92	450	1072132	1202712	1416226	442131	0	11580	FALSE	FALSE	1.337
134420	21-Apr-92	475	457756	514324	605631	342540	0	11370	FALSE	FALSE	3.115
134420	21-Apr-92	500	673819	758693	893382	629727	0	10972	FALSE	FALSE	2.608
134420	30-Nov-93	0	646876	426799	502567	580508	0	19107	FALSE	FALSE	3.182
134420	30-Nov-93	25	1138901	759227	894011	630286	0	20969	FALSE	FALSE	2.655
134420	30-Nov-93	50	1722421	1152971	1357655	299740	0	20259	FALSE	FALSE	2.465
134420	30-Nov-93	75	1398374	941873	1109081	199888	0	20150	FALSE	FALSE	2.549
134420	30-Nov-93	100	1223416	827440	974333	246656	0	20215	FALSE	FALSE	2.388
134420	30-Nov-93	125	1892119	1287659	1516254	555803	0	19859	FALSE	FALSE	2.84
134420	30-Nov-93	150	1040826	712723	839250	508481	0	19723	FALSE	FALSE	3.237
134420	30-Nov-93	175	1683223	1157384	1362851	416447	0	18157	FALSE	FALSE	1.855
134420	30-Nov-93	200	1407042	977521	1151058	525343	0	18103	FALSE	FALSE	2.644
134420	30-Nov-93	225	1021436	714036	840797	896425	0	16633	FALSE	FALSE	2.58
134420	30-Nov-93	250	1467965	1034693	1218380	542124	0	18070	FALSE	FALSE	2.546
134420	30-Nov-93	275	1309804	930870	1096125	613391	0	18260	FALSE	FALSE	2.76
134420	30-Nov-93	300	1482320	1060021	1248204	750753	0	19132	FALSE	FALSE	3.358
134420	30-Nov-93	325	769361	553596	651874	569948	0	16785	FALSE	FALSE	2.486
134420	30-Nov-93	350	792649	572713	674385	1079387	0	18560	FALSE	FALSE	3.526
134420	30-Nov-93	375	1392948	1012700	1192482	592982	0	17652	FALSE	FALSE	3.288
134420	30-Nov-93	400	949157	692911	815922	577338	0	19256	FALSE	FALSE	4.441

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
134420	30-Nov-93	425	1145319	844791	994764	731869	0	17743	FALSE	FALSE	4.627
134420	30-Nov-93	450	1175417	874181	1029372	806510	0	17938	FALSE	FALSE	3.455
134420	30-Nov-93	477	1448355	1086104	1278917	668070	0	18044	FALSE	FALSE	4.635
134420	30-Nov-93	500	1256258	955766	1125441	952074	0	16503	FALSE	FALSE	3.438
223056	17-Jul-90	3	923101	1019863	1156332	598599	0	22788	FALSE	FALSE	1.898
223056	17-Jul-90	28	832480	919608	1042662	626891	0	24169	FALSE	FALSE	1.318
223056	17-Jul-90	50	1016085	1122388	1272576	699329	0	24675	FALSE	FALSE	2.402
223056	17-Jul-90	78	811396	896252	1016180	1008337	0	23626	FALSE	FALSE	2.318
223056	17-Jul-90	100	819920	905617	1026799	530580	0	24609	FALSE	FALSE	2.159
223056	17-Jul-90	125	400861	442726	501968	539395	0	25419	FALSE	FALSE	3.148
223056	17-Jul-90	153	751947	830433	941554	370501	0	25346	FALSE	FALSE	1.528
223056	17-Jul-90	175	661631	730623	828389	326279	0	24601	FALSE	FALSE	3.239
223056	17-Jul-90	200	889316	981978	1113378	350976	0	26158	FALSE	FALSE	2.514
223056	17-Jul-90	225	759529	838622	950839	583261	0	25818	FALSE	FALSE	2.348
223056	17-Jul-90	250	1285750	1419589	1609546	506099	0	25068	FALSE	FALSE	2.233
223056	17-Jul-90	275	641128	707826	802541	1122068	0	25053	FALSE	FALSE	1.85
223056	17-Jul-90	300	1250034	1380029	1564692	889290	0	24342	FALSE	FALSE	1.267
223056	17-Jul-90	325	601731	664270	753157	567352	0	26069	FALSE	FALSE	2.758
223056	17-Jul-90	355	734578	810850	919350	1466336	0	23235	FALSE	FALSE	2.13
223056	17-Jul-90	375	890179	982571	1114050	432136	0	23756	FALSE	FALSE	2.33
223056	17-Jul-90	500	848690	936518	1061835	1431848	0	22768	FALSE	FALSE	2.018
223056	30-Mar-92	0	1094849	905658	1026845	321875	0	19112	FALSE	FALSE	1.789
223056	30-Mar-92	25	1406664	1165385	1321326	300953	0	19960	FALSE	FALSE	1.413
223056	30-Mar-92	50	1287598	1071680	1215082	561394	0	19536	FALSE	FALSE	1.144
223056	30-Mar-92	75	1133849	945167	1071640	550087	0	21352	FALSE	FALSE	1.601
223056	30-Mar-92	102	1077526	905854	1027067	416490	0	21172	FALSE	FALSE	1.762
223056	30-Mar-92	125	760819	641084	726868	354937	0	21356	FALSE	FALSE	0.739
223056	30-Mar-92	150	1404083	1184936	1343493	234515	0	20837	FALSE	FALSE	1.158
223056	30-Mar-92	175	719853	608904	690382	247806	0	20632	FALSE	FALSE	1.355
223056	30-Mar-92	200	1005404	853066	967216	453013	0	21468	FALSE	FALSE	1.352
223056	30-Mar-92	226	1015457	863588	979145	494829	0	23199	FALSE	FALSE	1.246
223056	30-Mar-92	250	2030466	1733454	1965409	303635	0	21862	FALSE	FALSE	1.964
223056	30-Mar-92	275	1483894	1268785	1438562	581837	0	21007	FALSE	FALSE	0.449
223056	30-Mar-92	300	1065363	913031	1035205	1037541	0	19961	FALSE	FALSE	1.713
223056	30-Mar-92	325	595031	510735	579077	556136	0	20875	FALSE	FALSE	1.809
223056	30-Mar-92	350	1816426	1562706	1771813	318364	0	21972	FALSE	FALSE	0.504
223056	30-Mar-92	375	1656615	1430713	1622158	155029	0	20992	FALSE	FALSE	0.702
223056	30-Mar-92	400	1593764	1379615	1564223	934404	0	20041	FALSE	FALSE	0.803
223056	30-Mar-92	425	1529282	1325837	1503248	1167532	0	20792	FALSE	FALSE	0.783
223056	30-Mar-92	500	1424706	1244717	1411274	712964	0	18540	FALSE	FALSE	1.137
241632	19-Apr-89	0	1953657	1750616	1563104	186909	144659	19181	FALSE	FALSE	1.031
241632	19-Apr-89	25	1965873	1782802	1591842	196713	124900	17183	FALSE	FALSE	1.213
241632	19-Apr-89	50	1421408	1278431	1141495	245652	127410	17563	FALSE	FALSE	1.1
241632	19-Apr-89	75	2372317	2137663	1908693	1071636	37717	9355	FALSE	FALSE	0.704
241632	19-Apr-89	100	1948533	1759066	1570648	48221	125520	8380	FALSE	FALSE	0.673
241632	19-Apr-89	150	1337242	1211714	1081925	94237	44777	10465	FALSE	FALSE	0.963
241632	19-Apr-89	175	2254762	2045642	1826528	38314	110398	9153	FALSE	FALSE	0.833
241632	19-Apr-89	200	563801	513735	458708	477211	59942	9002	FALSE	FALSE	0.417
241632	19-Apr-89	225	819426	748051	667926	85287	63607	8937	FALSE	FALSE	0.692
241632	19-Apr-89	250	2253673	2061203	1840423	43408	97839	7878	FALSE	FALSE	0.295
241632	19-Apr-89	275	1421199	1304669	1164923	78044	54291	8417	FALSE	FALSE	0.322
241632	19-Apr-89	300	1972335	1813987	1619687	35023	106459	7936	FALSE	FALSE	0.723
241632	19-Apr-89	325	1950552	1797294	1604781	35670	100280	7636	FALSE	FALSE	0.271
241632	19-Apr-89	350	953989	880669	786338	62242	71748	7843	FALSE	FALSE	0.792
241632	19-Apr-89	375	759364	702307	627081	112992	65668	9624	FALSE	FALSE	0.952
241632	19-Apr-89	400	1401357	1300088	1160832	65913	91256	9641	FALSE	FALSE	0.421
241632	19-Apr-89	425	1320166	1228567	1096972	188620	50706	10560	FALSE	FALSE	0.68
241632	19-Apr-89	450	1647455	1536955	1372328	51833	85400	9973	FALSE	FALSE	0.285
241632	19-Apr-89	475	1179770	1102688	984577	77837	82719	10551	FALSE	FALSE	0.94
241632	19-Apr-89	504	1045187	981757	876599	77229	76421	10184	FALSE	FALSE	0.565
241632	18-Apr-90	0	3709093	2489800	2223112	165764	132579	18280	FALSE	FALSE	0.887
241632	18-Apr-90	50	1308458	887955	792844	725344	79592	19333	FALSE	FALSE	0.253
241632	18-Apr-90	75	2686282	1834947	1638402	272560	89091	8561	FALSE	FALSE	0.662
241632	18-Apr-90	100	897515	617098	550999	261709	64405	8712	FALSE	FALSE	0.568
241632	18-Apr-90	125	848276	587070	524188	696934	70716	7956	FALSE	FALSE	0.814
241632	18-Apr-90	150	1297153	901650	805073	27943	38199	11538	FALSE	FALSE	1.963

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
241632	18-Apr-90	175	974909	685087	611705	1015131	30511	9985	FALSE	FALSE	0.649
241632	18-Apr-90	200	1476911	1044664	932767	154531	40711	8864	FALSE	FALSE	0.64
241632	18-Apr-90	225	1058408	763479	681701	74751	61299	9584	FALSE	FALSE	0.678
241632	18-Apr-90	250	646883	469689	419379	974705	33735	7557	FALSE	FALSE	0.369
241632	18-Apr-90	275	681156	497819	444497	299211	37776	8767	FALSE	FALSE	0.762
241632	18-Apr-90	300	955736	701548	626403	306640	36137	10362	FALSE	FALSE	0.806
241632	18-Apr-90	325	1015894	755525	674599	66127	75874	7688	FALSE	FALSE	0.573
241632	18-Apr-90	350	991119	745179	665362	26487	89924	8570	FALSE	FALSE	0.732
241632	18-Apr-90	375	1168121	893713	797985	94387	46441	9986	FALSE	FALSE	0.775
241632	18-Apr-90	400	1592151	1231485	1099578	23661	118099	9778	FALSE	FALSE	0.617
241632	18-Apr-90	425	2821198	2210853	1974043	11026	110615	10170	FALSE	FALSE	0.846
241632	18-Apr-90	450	1125213	897296	801185	107948	48062	11141	FALSE	FALSE	0.823
241632	18-Apr-90	475	572685	458681	409550	267450	48057	12026	FALSE	FALSE	0.813
241632	18-Apr-90	500	787175	634610	566635	189681	49241	9973	FALSE	FALSE	1.139
242805	20-Apr-89	400	600587	546398	473005	862166	86100	21838	FALSE	FALSE	2.34
242805	09-Apr-90	150	554913	395731	342576	317451	35317	18661	FALSE	FALSE	4.123
242805	09-Apr-90	300	719741	547604	474049	393512	55997	21993	FALSE	FALSE	3.382
282807	11-Oct-90	0	1985966	1507164	1481893	57909	0	19449	FALSE	FALSE	0.88
282807	11-Oct-90	25	2054847	1558926	1532787	23463	0	22878	FALSE	FALSE	1.174
282807	11-Oct-90	50	1758438	1333616	1311254	21133	0	20977	FALSE	FALSE	0.961
282807	11-Oct-90	75	983427	745677	733174	386531	0	16850	FALSE	FALSE	1.889
282807	11-Oct-90	100	1204137	912729	897425	485049	0	16289	FALSE	FALSE	2.338
282807	11-Oct-90	150	1654367	1253178	1232166	17412	0	17280	FALSE	FALSE	1.371
282807	11-Oct-90	175	986887	747319	734788	298714	0	16961	FALSE	FALSE	1.851
282807	11-Oct-90	200	1469499	1112411	1093759	701232	0	16801	FALSE	FALSE	3.039
282807	11-Oct-90	225	1509577	1142375	1123220	839656	0	12423	FALSE	FALSE	0.382
282807	11-Oct-90	250	1618417	1224338	1203809	705701	0	16184	FALSE	FALSE	1.392
282807	11-Oct-90	300	2133445	1612900	1585856	69510	0	22860	FALSE	FALSE	2.407
282807	11-Oct-90	325	421980	318845	313499	121186	0	20626	FALSE	FALSE	2.037
282807	11-Oct-90	350	1915636	1446968	1422706	23512	0	23134	FALSE	FALSE	0.865
282807	11-Oct-90	375	1901363	1435873	1411797	198315	0	20515	FALSE	FALSE	1.116
282807	11-Oct-90	400	1801694	1360309	1337500	182250	0	19511	FALSE	FALSE	1.216
282807	11-Oct-90	425	1836727	1386151	1362909	189926	0	19319	FALSE	FALSE	0.644
282807	11-Oct-90	450	1869178	1410178	1386533	181219	0	18118	FALSE	FALSE	0.937
282807	11-Oct-90	475	1892700	1427612	1403675	361113	0	17921	FALSE	FALSE	0.934
282807	11-Oct-90	500	2124010	1601557	1574703	137961	0	17576	FALSE	FALSE	0.404
282807	19-Jul-91	0	871919	1340727	1318247	81900	0	17259	FALSE	FALSE	1.523
282807	19-Jul-91	25	726718	1120844	1102050	96215	0	18783	FALSE	FALSE	1.241
282807	19-Jul-91	50	560103	867800	853249	78498	0	18685	FALSE	FALSE	1.397
282807	19-Jul-91	75	561856	873155	858515	224723	0	15745	FALSE	FALSE	2.758
282807	19-Jul-91	100	750230	1171206	1151568	483312	0	15415	FALSE	FALSE	2.667
282807	19-Jul-91	125	502321	786566	773377	264223	0	13590	FALSE	FALSE	1.658
282807	19-Jul-91	150	419048	659159	648106	422488	0	15144	FALSE	FALSE	3.675
282807	19-Jul-91	175	351436	554482	545185	433428	0	15454	FALSE	FALSE	4.665
282807	19-Jul-91	200	445863	706667	694818	902918	0	16380	FALSE	FALSE	4.082
282807	19-Jul-91	225	767759	1229818	1209197	442558	0	12646	FALSE	FALSE	0.559
282807	19-Jul-91	250	737698	1190644	1170680	485262	0	16247	FALSE	FALSE	2.154
282807	19-Jul-91	275	627181	1056100	1038392	63075	0	21337	FALSE	FALSE	2.489
282807	19-Jul-91	300	551156	930897	915288	287515	0	20402	FALSE	FALSE	0.985
282807	19-Jul-91	350	531509	904534	889368	72616	0	19160	FALSE	FALSE	1.893
282807	19-Jul-91	375	1000653	1710686	1682003	68093	0	20451	FALSE	FALSE	0.729
282807	19-Jul-91	400	629274	1079050	1060957	121480	0	17593	FALSE	FALSE	1.36
282807	19-Jul-91	425	703148	1211214	1190905	124328	0	18549	FALSE	FALSE	1.408
282807	19-Jul-91	450	873498	1509215	1483909	80848	0	16827	FALSE	FALSE	1.244
282807	19-Jul-91	475	810171	1406171	1382594	214191	0	17147	FALSE	FALSE	0.444
282807	19-Jul-91	500	1226724	2135617	2099808	17602	0	17323	FALSE	FALSE	1.389
282807	24-Jun-92	0	469861	1055261	1037567	71380	0	16484	FALSE	FALSE	0.599
282807	24-Jun-92	25	492268	1110388	1091770	60228	0	18215	FALSE	FALSE	0.898
282807	24-Jun-92	50	433824	981391	964935	49283	0	16764	FALSE	FALSE	0.747
282807	24-Jun-92	75	284844	647170	636318	267388	0	14719	FALSE	FALSE	2.378
282807	24-Jun-92	102	344980	790625	777369	311595	0	14353	FALSE	FALSE	1.657
282807	24-Jun-92	125	190535	439199	431835	285306	0	13161	FALSE	FALSE	4.19
282807	24-Jun-92	127	218964	507657	499145	314445	0	12846	FALSE	FALSE	3.109
282807	24-Jun-92	175	236579	552474	543210	302818	0	15383	FALSE	FALSE	3.858
282807	24-Jun-92	200	303625	713155	701197	779063	0	15849	FALSE	FALSE	3.488
282807	24-Jun-92	225	464364	1100197	1081750	297161	0	11712	FALSE	FALSE	1.239

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
282807	24-Jun-92	252	426667	1013214	1001141	607232	0	15817	FALSE	FALSE	1.801
282807	24-Jun-92	302	216641	522256	513500	202567	0	20911	FALSE	FALSE	4.021
282807	24-Jun-92	325	209638	507570	499059	72910	0	19668	FALSE	FALSE	2.819
282807	24-Jun-92	352	448408	1098299	1079883	34526	0	19199	FALSE	FALSE	0.843
282807	24-Jun-92	375	565756	1389733	1366431	82231	0	19316	FALSE	FALSE	1.023
282807	24-Jun-92	400	498553	1229976	1209352	73106	0	17402	FALSE	FALSE	0.751
282807	24-Jun-92	425	527957	1306288	1284385	114047	0	17691	FALSE	FALSE	1.094
282807	24-Jun-92	450	584970	1453640	1429266	78401	0	16552	FALSE	FALSE	1.001
282807	24-Jun-92	475	506672	1266370	1245136	168890	0	17212	FALSE	FALSE	0.727
282807	24-Jun-92	500	175168	439715	432342	384391	0	14938	FALSE	FALSE	1.191
282807	03-Aug-93	0	941216	1469374	1444737	38493	0	17380	FALSE	FALSE	0.655
282807	03-Aug-93	25	719355	1126557	1107668	70895	0	19137	FALSE	FALSE	0.576
282807	03-Aug-93	50	751837	1179651	1159872	32018	0	18615	FALSE	FALSE	0.536
282807	03-Aug-93	77	774849	1220358	1199896	195250	0	15415	FALSE	FALSE	2.721
282807	03-Aug-93	100	487515	769269	756370	418405	0	14840	FALSE	FALSE	1.99
282807	03-Aug-93	125	517378	817419	803713	133753	0	13997	FALSE	FALSE	3.971
282807	03-Aug-93	176	352399	558871	549500	368304	0	15133	FALSE	FALSE	3.739
282807	03-Aug-93	200	596721	947535	931647	698919	0	16467	FALSE	FALSE	4.176
282807	03-Aug-93	225	920738	1467574	1442967	302208	0	11341	FALSE	FALSE	0.906
282807	03-Aug-93	250	717601	1146675	1127449	496807	0	15362	FALSE	FALSE	2.328
282807	03-Aug-93	300	709743	1138410	1119322	119488	0	21133	FALSE	FALSE	1.934
282807	03-Aug-93	325	343842	552208	542949	64340	0	20008	FALSE	FALSE	3.218
282807	03-Aug-93	375	918368	1480476	1455652	73177	0	19951	FALSE	FALSE	1.92
282807	03-Aug-93	400	893212	1442644	1418455	69988	0	17927	FALSE	FALSE	1.525
282807	03-Aug-93	425	1051123	1700898	1672378	84033	0	18363	FALSE	FALSE	0.945
282807	03-Aug-93	450	1299892	2106099	2070785	29381	0	17500	FALSE	FALSE	1.751
282807	03-Aug-93	475	1005827	1632732	1605355	204255	0	16728	FALSE	FALSE	1.526
282807	03-Aug-93	500	574256	933936	918276	110578	0	15984	FALSE	FALSE	2.494
283083	15-Oct-90	0	2332999	2125035	2051397	272759	0	15895	FALSE	FALSE	1.986
283083	15-Oct-90	100	1667942	1527984	1475035	513511	0	17804	FALSE	FALSE	0.66
283083	15-Oct-90	125	715922	656474	633726	1150253	0	17772	FALSE	FALSE	1.47
283083	15-Oct-90	150	1308297	1201953	1160302	1374376	0	14844	FALSE	FALSE	0.952
283083	15-Oct-90	175	507622	467028	450844	1175125	0	16804	FALSE	FALSE	1.405
283083	15-Oct-90	200	601236	553684	534497	1392900	0	15964	FALSE	FALSE	1.109
283083	15-Oct-90	300	426210	394942	381257	1221107	0	14210	FALSE	FALSE	1.04
283083	15-Oct-90	350	514258	477669	461117	1391986	0	11675	FALSE	FALSE	3.694
283083	15-Oct-90	450	1484384	1386676	1340555	841709	0	18324	FALSE	FALSE	0.324
283083	23-Jul-91	0	3304929	7143005	6895481	443615	0	14225	FALSE	FALSE	1.052
283083	23-Jul-91	25	967719	2103686	2030788	641068	0	15779	FALSE	FALSE	0.939
283083	23-Jul-91	75	1250804	2745423	2650287	1205031	0	16382	FALSE	FALSE	0.716
283083	23-Jul-91	102	2248631	5012328	4838638	1193757	0	17877	FALSE	FALSE	0.65
283083	23-Jul-91	125	3765673	8426344	8134350	756775	0	17169	FALSE	FALSE	1.1
283083	23-Jul-91	152	850994	1926411	1859656	1305648	0	15337	FALSE	FALSE	0.855
283083	23-Jul-91	177	500426	1137202	1097795	968424	0	16682	FALSE	FALSE	2.148
283083	23-Jul-91	225	4124270	9499670	9170481	555350	0	16700	FALSE	FALSE	1.191
283083	23-Jul-91	250	4359964	10179065	9826334	779602	0	20463	FALSE	FALSE	1.266
283083	23-Jul-91	276	2602842	6100256	5888867	630659	0	16774	FALSE	FALSE	0.632
283083	23-Jul-91	352	551378	1322518	1276689	1471906	0	14892	FALSE	FALSE	2.529
283083	23-Jul-91	375	533106	1286111	1241544	1361306	0	17766	FALSE	FALSE	3.428
283083	23-Jul-91	425	384028	935440	903025	864950	0	13013	FALSE	FALSE	2.25
283083	23-Jul-91	450	2103961	5154707	4976083	944802	0	16207	FALSE	FALSE	1.085
283085	16-Oct-90	25	1467238	1358686	1312267	203758	0	14848	FALSE	FALSE	1.423
283085	16-Oct-90	225	1327628	1259654	1216619	85753	0	16148	FALSE	FALSE	1.607
283085	16-Oct-90	250	2483037	2362051	2281353	329952	0	19592	FALSE	FALSE	2.373
283085	16-Oct-90	275	3364723	3209124	3099485	325494	0	13968	FALSE	FALSE	3.75
283085	16-Oct-90	325	4398804	4213634	4089677	490397	0	13774	FALSE	FALSE	1.045
283085	16-Oct-90	350	901579	865878	836296	981161	0	18095	FALSE	FALSE	0.758
283085	16-Oct-90	450	3768973	3657636	3532675	1318665	0	14971	FALSE	FALSE	3.096
283085	24-Jul-91	25	2659073	4929187	4760784	303466	0	13466	FALSE	FALSE	4.301
283085	24-Jul-91	50	3524905	6566965	6342608	365443	0	15023	FALSE	FALSE	4.912
283085	24-Jul-91	78	1227820	2329790	2250194	407780	0	15277	FALSE	FALSE	2.084
283085	24-Jul-91	154	855342	1684114	1607261	121650	0	15271	FALSE	FALSE	2.817
283085	24-Jul-91	179	1445925	2841408	2744333	93093	0	15017	FALSE	FALSE	3.005
283085	24-Jul-91	225	1651248	3277515	3165540	154527	0	15278	FALSE	FALSE	1.441
283085	24-Jul-91	250	3578801	7139080	6895176	391297	0	17522	FALSE	FALSE	1.49
283085	24-Jul-91	302	2458863	5020837	4819303	175667	0	16564	FALSE	FALSE	4.06

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
283085	24-Jul-91	326	4260193	8742656	8443967	520613	0	14718	FALSE	FALSE	1.121
283085	24-Jul-91	375	3115647	6468907	6247900	448199	0	15469	FALSE	FALSE	4.207
283085	24-Jul-91	450	1391534	2952497	2851627	1029857	0	12152	FALSE	FALSE	1.831
283085	24-Jul-91	500	1738418	3750514	3622379	166357	0	17549	FALSE	FALSE	3.285
283087	12-Oct-90	0	215777	168005	165786	1180331	0	13708	FALSE	FALSE	4.82
283087	12-Oct-90	25	618626	481855	475491	617823	0	13522	FALSE	FALSE	4.145
283087	12-Oct-90	50	323943	252472	249138	1392863	0	13278	FALSE	FALSE	3.411
283087	12-Oct-90	75	1608956	1254721	1238148	581391	0	13559	FALSE	FALSE	2.124
283087	12-Oct-90	100	549883	428987	423321	925347	0	13586	FALSE	FALSE	4.456
283087	12-Oct-90	125	483244	377223	372240	454528	0	13411	FALSE	FALSE	3.592
283087	12-Oct-90	200	1055487	825709	814803	463156	0	12946	FALSE	FALSE	3.052
283087	12-Oct-90	225	252688	197756	195144	1215867	0	12731	FALSE	FALSE	3.913
283087	12-Oct-90	275	300854	235730	232616	1101822	0	13261	FALSE	FALSE	4.157
283087	12-Oct-90	300	1015353	796038	785524	672605	0	13614	FALSE	FALSE	3.128
283087	12-Oct-90	326	1251153	981487	968523	898579	0	12276	FALSE	FALSE	1.729
283087	12-Oct-90	350	857526	672965	664076	825755	0	12408	FALSE	FALSE	3.223
283087	22-Jul-91	50	309753	536275	529191	447103	0	12774	FALSE	FALSE	3.967
283087	22-Jul-91	75	524370	912672	900616	411164	0	12569	FALSE	FALSE	3.218
283087	22-Jul-91	100	465417	814374	803617	417938	0	12407	FALSE	FALSE	3.84
283087	22-Jul-91	125	390185	685155	676105	191447	0	13006	FALSE	FALSE	4.195
283087	22-Jul-91	175	526031	941847	929407	173153	0	12649	FALSE	FALSE	4.587
283087	22-Jul-91	200	439689	792844	782372	323454	0	11981	FALSE	FALSE	4.337
283087	22-Jul-91	225	331178	599294	591379	433442	0	13075	FALSE	FALSE	4.943
283087	22-Jul-91	250	351884	640152	631697	999027	0	12473	FALSE	FALSE	3.113
283087	22-Jul-91	300	620704	1139226	1124178	515809	0	12395	FALSE	FALSE	2.083
283087	22-Jul-91	325	658519	1215062	1199012	778898	0	11839	FALSE	FALSE	2.069
283087	22-Jul-91	350	344036	637045	628631	724400	0	11709	FALSE	FALSE	4.471
283087	22-Jul-91	425	221678	420026	414478	535326	0	12620	FALSE	FALSE	4.855
283089	19-Nov-92	2	693530	512643	505082	156163	0	24051	FALSE	FALSE	2.025
283089	19-Nov-92	25	259857	192534	189695	301124	0	23124	FALSE	FALSE	1.478
283089	19-Nov-92	75	1276150	952248	938203	43912	0	21784	FALSE	FALSE	2.235
283089	19-Nov-92	125	2382527	1792555	1766116	27429	0	26818	FALSE	FALSE	1.104
283089	19-Nov-92	150	2269549	1711586	1686342	66053	0	21387	FALSE	FALSE	1.57
283089	19-Nov-92	177	1847043	1406159	1385420	160110	0	32961	FALSE	FALSE	1.55
283089	19-Nov-92	202	1845393	1414882	1394014	26783	0	26241	FALSE	FALSE	4.404
283089	19-Nov-92	225	765551	589036	580349	316992	0	30092	FALSE	FALSE	1.455
283089	19-Nov-92	250	1813680	1403752	1383048	293461	0	31302	FALSE	FALSE	0.91
283089	19-Nov-92	277	1829097	1429107	1408029	309050	0	34255	FALSE	FALSE	1.866
283089	19-Nov-92	302	1477072	1163632	1146470	418602	0	36080	FALSE	FALSE	1.721
283089	19-Nov-92	327	1267886	1005931	991094	614732	0	35975	FALSE	FALSE	0.961
283089	19-Nov-92	427	841402	685921	675804	71437	0	19706	FALSE	FALSE	1.712
283089	19-Nov-92	450	862432	706390	695972	215902	0	19114	FALSE	FALSE	2.089
283089	19-Nov-92	477	826062	683016	672942	234106	0	20166	FALSE	FALSE	0.591
283089	19-Nov-92	500	1624570	1349602	1329697	70332	0	21456	FALSE	FALSE	1.061
283090	24-Oct-90	0	448493	347197	342410	127751	27855	17989	FALSE	FALSE	1.311
283090	24-Oct-90	100	704443	551247	543647	230357	30333	22669	FALSE	FALSE	0.54
283090	24-Oct-90	200	4248683	3355577	3309311	28450	65260	18821	FALSE	FALSE	1.579
283090	24-Oct-90	225	2755608	2181389	2151313	35165	38585	15052	FALSE	FALSE	1.026
283090	24-Oct-90	250	2432315	1929916	1903307	59521	31206	14887	FALSE	FALSE	1.213
283090	24-Oct-90	276	2939702	2337895	2305660	23608	43739	14802	FALSE	FALSE	0.589
283090	24-Oct-90	325	2948288	2353765	2321312	21832	62156	16578	FALSE	FALSE	2.396
283090	24-Oct-90	375	989537	793653	782711	140063	21304	13314	FALSE	FALSE	0.823
283090	24-Oct-90	425	2234304	1798924	1774121	54579	24267	15409	FALSE	FALSE	1.24
283090	24-Oct-90	475	884347	715318	705455	51827	25174	14493	FALSE	FALSE	1.61
283090	24-Oct-90	500	3203458	2597159	2561350	26920	43211	15986	FALSE	FALSE	0.717
341638	09-May-89	0	1780249	2209331	1877059	607299	0	21069	FALSE	FALSE	0.758
341638	09-May-89	50	934072	1159936	985488	1474078	0	20939	FALSE	FALSE	0.49
341638	09-May-89	76	864807	1074148	912602	1232501	0	22235	FALSE	FALSE	0.63
341638	09-May-89	100	872794	1084524	921417	1071915	0	20947	FALSE	FALSE	0.544
341638	09-May-89	125	742967	923914	784962	1372246	0	21716	FALSE	FALSE	0.571
341638	09-May-89	175	749259	932130	791942	1041867	0	20637	FALSE	FALSE	0.498
341638	09-May-89	200	864679	1076172	914321	1356732	0	21056	FALSE	FALSE	0.753
341638	09-May-89	250	786299	979238	831966	713858	0	23348	FALSE	FALSE	1.449
341638	09-May-89	375	578183	721165	612706	1135187	0	25739	FALSE	FALSE	0.658
341638	09-May-89	400	871645	1087428	923884	715672	0	35028	FALSE	FALSE	2.941
341638	09-May-89	425	682842	852243	724070	951376	0	29903	FALSE	FALSE	0.829

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
371645	13-Mar-89	0	665830	476730	484618	897137	0	24323	FALSE	FALSE	2.816
371645	13-Mar-89	25	716328	513544	522041	282347	0	26523	FALSE	FALSE	4.628
371645	13-Mar-89	50	565339	405817	412532	1457651	0	27338	FALSE	FALSE	2.522
371645	13-Mar-89	75	557127	400435	407060	474802	0	25890	FALSE	FALSE	3.713
371645	13-Mar-89	100	621783	447479	454883	671597	0	25108	FALSE	FALSE	2.758
371645	13-Mar-89	125	697211	502406	510718	1080074	0	21831	FALSE	FALSE	3.346
371645	13-Mar-89	150	878061	633265	643743	1176215	0	20994	FALSE	FALSE	1.755
371645	13-Mar-89	175	612655	442418	449738	751330	0	24620	FALSE	FALSE	3.107
371645	13-Mar-89	200	726301	525158	533847	770745	0	24471	FALSE	FALSE	1.175
371645	13-Mar-89	225	950093	688147	699532	337989	0	25148	FALSE	FALSE	2.464
371645	13-Mar-89	250	556343	403472	410147	449725	0	26127	FALSE	FALSE	3.422
371645	13-Mar-89	275	674859	490468	498583	414890	0	25540	FALSE	FALSE	2.638
371645	13-Mar-89	300	653605	475833	483706	599038	0	27040	FALSE	FALSE	3.499
371645	13-Mar-89	325	1182750	862161	876426	628443	0	23636	FALSE	FALSE	1.095
371645	13-Mar-89	350	733969	535709	544573	418062	0	23118	FALSE	FALSE	2.255
371645	13-Mar-89	375	924292	675487	686663	309499	0	23304	FALSE	FALSE	2.068
371645	13-Mar-89	400	842392	616159	626353	294731	0	22767	FALSE	FALSE	1.578
371645	13-Mar-89	425	864345	633026	643500	360959	0	23489	FALSE	FALSE	1.539
371645	13-Mar-89	450	599429	439570	446843	451967	0	22854	FALSE	FALSE	1.339
371645	13-Mar-89	475	688199	506177	514552	459016	0	25996	FALSE	FALSE	2.355
371645	13-Mar-89	502	535704	395532	402076	785560	0	25387	FALSE	FALSE	3.062
372824	30-Sep-92	200	1671824	2434742	2310118	705313	30447	9895	FALSE	FALSE	1.759
372824	18-Oct-89	75	1817738	2182789	2050400	1495264	0	20545	FALSE	FALSE	3.147
372824	18-Oct-89	250	3763385	4643209	4361594	918825	0	13827	FALSE	FALSE	0.588
372824	18-Oct-89	325	1191147	1491798	1401319	1129583	0	12116	FALSE	FALSE	1.267
372824	18-Oct-89	450	941727	1208308	135023	1467208	0	17246	FALSE	FALSE	0.492
372824	18-Oct-89	498	1339732	1725926	1621247	1309399	0	19916	FALSE	FALSE	1.186
372824	31-Oct-90	25	3716834	4803073	4511761	858894	0	20759	FALSE	FALSE	2.088
372824	31-Oct-90	50	1344683	1756987	1650424	1068979	0	21658	FALSE	FALSE	3.501
372824	31-Oct-90	300	1913664	2741805	2575511	933736	0	10716	FALSE	FALSE	1.909
372824	31-Oct-90	325	1172962	1699250	1596189	526836	0	11684	FALSE	FALSE	2.524
372824	31-Oct-90	350	1266423	1848221	1736125	853229	0	11195	FALSE	FALSE	0.711
372824	31-Oct-90	375	663254	978718	919358	1457986	0	12631	FALSE	FALSE	0.245
372824	31-Oct-90	425	743193	1117079	1049327	1321448	0	16013	FALSE	FALSE	1.955
372824	31-Oct-90	475	865609	1325282	1244903	859283	0	17112	FALSE	FALSE	2.975
372824	24-Apr-91	25	1167979	1307601	1228293	846323	0	19189	FALSE	FALSE	4.093
372824	24-Apr-91	275	1597914	1947657	1829530	351948	0	9106	FALSE	FALSE	1.542
372824	24-Apr-91	300	1971707	2421909	2275017	902184	0	9194	FALSE	FALSE	0.809
372824	24-Apr-91	325	313299	386822	363361	1052280	0	10712	FALSE	FALSE	2.95
372824	24-Apr-91	350	1481755	1843680	1731859	289590	0	9810	FALSE	FALSE	0.949
372824	24-Apr-91	376	334517	418374	392999	1137109	0	11773	FALSE	FALSE	2.707
372824	24-Apr-91	400	680000	858094	800050	600291	0	12448	FALSE	FALSE	2.24
372824	24-Apr-91	450	414051	528628	496566	466557	0	15434	FALSE	FALSE	0.936
372824	24-Apr-91	475	729393	936043	879271	612458	0	15471	FALSE	FALSE	1.234
372824	24-Apr-91	500	254751	329462	309480	1357581	0	19087	FALSE	FALSE	1.646
382001	29-Sep-93	0	4289151	4245310	2469286	1385503	16745	10098	FALSE	FALSE	0.743
382001	29-Sep-93	50	4472671	4490918	2612144	1049942	42693	8858	FALSE	FALSE	0.709
382001	29-Sep-93	100	2572694	2620514	1524223	551062	148007	7203	FALSE	FALSE	0.574
382001	29-Sep-93	125	1347375	1378997	802094	1418591	144695	7234	FALSE	FALSE	0.461
382001	29-Sep-93	150	1962791	2023318	1178663	1410035	36729	7161	FALSE	FALSE	0.345
382001	29-Sep-93	250	2203811	2343490	1363091	914050	103945	8794	FALSE	FALSE	1.529
382001	29-Sep-93	275	426896	462719	269140	1496531	16886	8920	FALSE	FALSE	0.732
404154	17-May-90	0	360063	454775	449109	847233	0	12616	FALSE	FALSE	0.9
404154	17-May-90	25	474319	601457	593963	354263	0	15931	FALSE	FALSE	1.274
404154	17-May-90	50	507950	650925	642814	553517	0	18069	FALSE	FALSE	1.55
404154	17-May-90	75	436408	560721	553734	468996	0	18458	FALSE	FALSE	1.412
404154	17-May-90	100	371572	479306	473334	478781	0	19196	FALSE	FALSE	0.824
404154	17-May-90	125	390883	505546	499246	281243	0	17295	FALSE	FALSE	0.854
404154	17-May-90	150	434178	563764	556739	243821	0	18099	FALSE	FALSE	2.268
404154	17-May-90	175	386652	503377	497105	254326	0	19854	FALSE	FALSE	1.531
404154	17-May-90	200	360961	471791	465912	232534	0	18853	FALSE	FALSE	1.218
404154	17-May-90	225	427947	563040	556024	405579	0	17122	FALSE	FALSE	0.455
404154	17-May-90	250	398348	525479	518932	162017	0	18465	FALSE	FALSE	0.909
404154	17-May-90	275	512772	678205	669755	228176	0	16665	FALSE	FALSE	1.097
404154	17-May-90	300	451303	599268	591801	301581	0	18479	FALSE	FALSE	1.362
404154	17-May-90	325	426852	569794	562694	269477	0	17906	FALSE	FALSE	0.92

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
404154	17-May-90	350	385487	516614	510177	410025	0	16952	FALSE	FALSE	0.519
404154	17-May-90	375	398321	538757	532044	311256	0	16762	FALSE	FALSE	1.099
404154	17-May-90	400	411760	561352	554358	308228	0	16425	FALSE	FALSE	1.354
404154	17-May-90	425	469254	642267	634264	407853	0	16588	FALSE	FALSE	0.887
404154	17-May-90	450	384991	529719	523119	187237	0	19105	FALSE	FALSE	0.87
404154	17-May-90	475	308034	426070	420762	230632	0	19045	FALSE	FALSE	1.944
404154	17-May-90	500	646244	900972	889746	191694	0	16622	FALSE	FALSE	2.03
404154	05-May-93	0	291101	323549	319518	1102958	0	14504	FALSE	FALSE	1.143
404154	05-May-93	25	658438	732677	723547	306969	0	16115	FALSE	FALSE	0.835
404154	05-May-93	50	484502	539543	532821	537492	0	18171	FALSE	FALSE	1.108
404154	05-May-93	75	441221	491911	485782	391815	0	18082	FALSE	FALSE	0.887
404154	05-May-93	100	610736	681686	673192	361536	0	19621	FALSE	FALSE	0.978
404154	05-May-93	125	376092	420105	414871	183487	0	17875	FALSE	FALSE	1.084
404154	05-May-93	150	381269	426542	421228	200281	0	18167	FALSE	FALSE	2.112
404154	05-May-93	175	384712	430890	425521	303739	0	18416	FALSE	FALSE	1.028
404154	05-May-93	200	610200	684232	675706	256065	0	17292	FALSE	FALSE	1.197
404154	05-May-93	225	430704	483886	477857	375771	0	16643	FALSE	FALSE	0.603
404154	05-May-93	250	400808	453943	448286	342880	0	18579	FALSE	FALSE	1.145
404154	05-May-93	275	610310	692014	683392	276976	0	16408	FALSE	FALSE	0.761
404154	05-May-93	300	401863	456012	450330	460115	0	18789	FALSE	FALSE	1.294
404154	05-May-93	325	881129	1006015	993480	380809	0	17753	FALSE	FALSE	0.443
404154	05-May-93	350	443130	506714	500400	653514	0	17517	FALSE	FALSE	0.978
404154	05-May-93	375	452044	517502	511054	612160	0	16797	FALSE	FALSE	1.062
404154	05-May-93	400	545535	625731	617934	253677	0	16719	FALSE	FALSE	1.927
404154	05-May-93	425	415126	477432	471483	569305	0	17403	FALSE	FALSE	1.187
404154	05-May-93	450	403641	464758	458967	384936	0	18359	FALSE	FALSE	1.015
404154	05-May-93	477	379600	437916	432460	659753	0	19422	FALSE	FALSE	1.219
404154	05-May-93	500	600080	693598	684956	319259	0	17026	FALSE	FALSE	1.206
412002	11-Oct-89	0	762374	743956	587946	204159	0	14827	FALSE	FALSE	4.28
412002	11-Oct-89	25	1898228	1860430	1470291	648210	0	21147	FALSE	FALSE	2.544
412002	11-Oct-89	75	2375809	2342696	1851425	625316	0	16808	FALSE	FALSE	0.579
412002	11-Oct-89	100	2345045	2316392	1832217	774798	0	9171	FALSE	FALSE	0.549
412002	11-Oct-89	150	1322687	1315625	1039734	268424	0	14660	FALSE	FALSE	0.738
412002	11-Oct-89	200	923201	924672	730765	178871	0	15136	FALSE	FALSE	3.806
412002	11-Oct-89	225	1399121	1405006	1110371	422230	0	15485	FALSE	FALSE	3.314
412002	11-Oct-89	275	1281621	1295982	1024210	117231	0	16516	FALSE	FALSE	0.971
412002	11-Oct-89	300	401301	406503	321258	77409	0	13505	FALSE	FALSE	4.257
412002	11-Oct-89	325	863519	878518	694290	130271	0	14394	FALSE	FALSE	1.269
412002	11-Oct-89	350	1637799	1673497	1322559	752930	0	17843	FALSE	FALSE	1.45
412002	11-Oct-89	375	1474128	1510187	1193496	972473	0	14791	FALSE	FALSE	1.078
412002	11-Oct-89	450	1957142	2026016	1601153	194442	0	15502	FALSE	FALSE	1.475
412002	11-Oct-89	475	1569155	1628611	1287086	470052	0	15941	FALSE	FALSE	1.782
412002	05-May-93	0	936332	1401259	1107410	503876	0	12239	FALSE	FALSE	1.4
412002	05-May-93	100	1967912	3023140	2389178	1326202	0	16759	FALSE	FALSE	2.033
412002	05-May-93	200	384329	610614	482566	656987	0	12129	FALSE	FALSE	2.455
412002	05-May-93	275	589742	963610	761538	216809	0	14710	FALSE	FALSE	1.492
412002	05-May-93	300	300271	493387	389922	212663	0	15196	FALSE	FALSE	1.218
412002	05-May-93	325	215122	355463	280921	847775	0	15044	FALSE	FALSE	0.557
412002	05-May-93	350	445143	741064	585661	1212323	0	19152	FALSE	FALSE	1.372
412002	05-May-93	400	1428905	2428225	1919018	1107491	0	14892	FALSE	FALSE	1.351
412002	05-May-93	450	1422755	2463388	1946808	112289	0	12867	FALSE	FALSE	0.946
412002	05-May-93	475	471623	821169	648967	911035	0	11245	FALSE	FALSE	0.766
412002	20-Oct-93	0	3839376	3842480	3036699	1137975	0	14784	FALSE	FALSE	1.154
412002	20-Oct-93	175	797723	833079	658380	696432	0	13306	FALSE	FALSE	0.589
412002	20-Oct-93	200	2646989	2777916	2195378	1122265	0	11260	FALSE	FALSE	0.592
412002	20-Oct-93	225	955529	1007728	796404	765722	0	10421	FALSE	FALSE	2.877
412002	20-Oct-93	250	1302462	1378118	1089122	1186768	0	13315	FALSE	FALSE	1.496
412002	20-Oct-93	275	2124657	2259139	1785390	240343	0	15212	FALSE	FALSE	0.178
412002	20-Oct-93	300	649972	694515	548872	1062607	0	16492	FALSE	FALSE	0.585
412002	20-Oct-93	325	1853913	1987458	1570682	822631	0	15879	FALSE	FALSE	0.924
412002	20-Oct-93	500	1475686	1650768	1304596	1023274	0	14759	FALSE	FALSE	2.468
481049	28-Mar-90	0	662068	486753	544144	177810	0	19697	FALSE	FALSE	2.495
481049	28-Mar-90	25	1873896	1379219	1541837	122570	0	14811	FALSE	FALSE	0.234
481049	28-Mar-90	53	1546532	1140380	1274838	113698	0	15881	FALSE	FALSE	1.041
481049	28-Mar-90	75	2308920	1704438	1905402	190628	0	17686	FALSE	FALSE	1.643
481049	28-Mar-90	125	598311	442652	494843	231499	0	18267	FALSE	FALSE	1.216

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
481049	28-Mar-90	150	1954660	1447734	1618431	182344	0	20469	FALSE	FALSE	1.666
481049	28-Mar-90	175	1108776	822135	919069	115294	0	19427	FALSE	FALSE	1.79
481049	28-Mar-90	200	1170058	888537	970943	362030	0	23059	FALSE	FALSE	1.043
481049	28-Mar-90	250	2036042	1514716	1693310	183374	0	17466	FALSE	FALSE	1.433
481049	28-Mar-90	325	1190570	888678	993459	678126	0	26858	FALSE	FALSE	1.407
481049	28-Mar-90	350	1553743	1161049	1297944	299332	0	24718	FALSE	FALSE	2.079
481049	28-Mar-90	375	1252359	936875	1047339	310259	0	14430	FALSE	FALSE	0.778
481049	28-Mar-90	400	944985	707717	791161	281333	0	17004	FALSE	FALSE	0.897
481049	28-Mar-90	425	4412704	3308425	3698509	189045	0	18561	FALSE	FALSE	0.642
481049	28-Mar-90	450	895174	671901	751123	339884	0	24487	FALSE	FALSE	0.823
482176	26-Jun-89	0	3615817	5121541	4768808	371851	0	12728	FALSE	FALSE	0.419
482176	26-Jun-89	25	812332	1157391	1077670	834190	0	13584	FALSE	FALSE	0.562
482176	26-Jun-89	50	378256	542097	504762	548073	0	12608	FALSE	FALSE	2.088
482176	26-Jun-89	76	164147	236632	220334	329093	0	12267	FALSE	FALSE	3.006
482176	26-Jun-89	125	1807279	2672457	2488399	47239	0	10939	FALSE	FALSE	2.234
482176	26-Jun-89	200	324281	498654	464310	435055	0	13849	FALSE	FALSE	4.472
482176	26-Jun-89	225	392441	607017	565210	466395	0	13659	FALSE	FALSE	2.306
482176	26-Jun-89	250	459293	714603	665387	437117	0	13786	FALSE	FALSE	2.043
482176	26-Jun-89	302	4163805	6684356	6223988	33231	0	10622	FALSE	FALSE	0.822
482176	26-Jun-89	325	167813	270983	252320	147522	0	12797	FALSE	FALSE	2.959
482176	26-Jun-89	350	1895359	3096757	2383476	90895	0	11949	FALSE	FALSE	1.598
482176	26-Jun-89	377	1956186	3259281	3034807	58127	0	11807	FALSE	FALSE	2.205
482176	26-Jun-89	400	4423891	7457853	6944213	79028	0	12596	FALSE	FALSE	0.958
482176	26-Jun-89	450	3969964	6838198	6367235	115680	0	14978	FALSE	FALSE	1.255
482176	26-Jun-89	475	358213	625523	592442	122022	0	12880	FALSE	FALSE	1.201
482176	26-Jun-89	500	143835	254135	236632	122177	0	13989	FALSE	FALSE	2.745
482176	28-Oct-91	0	1476653	1466626	1365616	548411	0	12101	FALSE	FALSE	1.064
482176	28-Oct-91	25	3972689	3961534	3688694	373890	0	11400	FALSE	FALSE	1.53
482176	28-Oct-91	50	3087616	3097522	2884188	306817	0	10130	FALSE	FALSE	4.592
482176	28-Oct-91	125	304271	309557	288237	76624	0	10143	FALSE	FALSE	1.959
482176	28-Oct-91	250	518416	547885	510151	482599	0	14385	FALSE	FALSE	3.094
482176	28-Oct-91	277	3129217	3353799	3122815	69889	0	10274	FALSE	FALSE	0.836
482176	28-Oct-91	300	304495	327658	305091	96922	0	10149	FALSE	FALSE	4.867
482176	28-Oct-91	325	3439302	3715795	3459879	26383	0	12553	FALSE	FALSE	3.574
482176	28-Oct-91	377	3695804	4122973	3839014	47323	0	12460	FALSE	FALSE	1.343
482176	28-Oct-91	425	2470914	2806656	2613355	57422	0	12277	FALSE	FALSE	2.156
483669	26-Mar-90	0	3906564	2747207	3116789	187803	0	8299	FALSE	FALSE	0.67
483669	26-Mar-90	75	3295770	2325662	2638533	140195	0	12138	FALSE	FALSE	0.718
483669	26-Mar-90	100	1726324	1219438	1383489	292084	0	13699	FALSE	FALSE	0.84
483669	26-Mar-90	125	3725729	2634492	2988910	185488	0	20230	FALSE	FALSE	1.044
483669	26-Mar-90	150	2033158	1439145	1632754	229691	0	15926	FALSE	FALSE	0.651
483669	26-Mar-90	175	2514224	1782111	2021859	280647	0	15813	FALSE	FALSE	2.198
483669	26-Mar-90	225	3413559	2424567	2750744	111304	0	14715	FALSE	FALSE	0.799
483669	26-Mar-90	326	1859355	1326570	1505034	182370	0	15800	FALSE	FALSE	1.052
483669	26-Mar-90	350	670864	479126	543583	453415	0	16439	FALSE	FALSE	1.465
483669	26-Mar-90	425	3763302	2696984	3059809	140461	0	14387	FALSE	FALSE	0.828
483669	26-Mar-90	450	1388039	995769	1129730	97237	0	15498	FALSE	FALSE	1.704
483669	26-Mar-90	475	3477545	2497341	2833309	222012	0	16290	FALSE	FALSE	2.517
483669	26-Mar-90	500	3688408	2651503	3008210	136081	0	13935	FALSE	FALSE	1.497
483679	27-Mar-90	25	1476954	1197208	1346841	1412470	0	12458	FALSE	FALSE	0.963
483679	27-Mar-90	57	1873232	1531858	1723318	923084	0	11332	FALSE	FALSE	0.152
483679	27-Mar-90	78	318930	261959	294700	1262402	0	13464	FALSE	FALSE	0.531
483679	27-Mar-90	105	1989831	1639193	1844068	965374	0	12473	FALSE	FALSE	0.293
483679	27-Mar-90	129	416615	344715	387800	1373019	0	13421	FALSE	FALSE	0.47
483679	27-Mar-90	208	1649685	1383131	1556003	1152943	0	12516	FALSE	FALSE	0.338
483679	27-Mar-90	227	134241	113047	127176	1426639	0	12674	FALSE	FALSE	0.227
483679	27-Mar-90	254	420357	355553	399992	425432	0	15191	FALSE	FALSE	1.208
483679	27-Mar-90	275	551914	469578	528268	1154051	0	14955	FALSE	FALSE	0.422
483679	27-Mar-90	300	869572	743111	835989	292446	0	12191	FALSE	FALSE	0.439
483679	27-Mar-90	357	169220	146318	164606	1444854	0	12022	FALSE	FALSE	0.559
483679	27-Mar-90	377	317192	275474	309905	977904	0	12180	FALSE	FALSE	1.316
483679	27-Mar-90	400	1903214	1660197	1867697	478276	0	12637	FALSE	FALSE	0.535
483679	27-Mar-90	450	306451	269685	303392	605618	0	10146	FALSE	FALSE	2.594
483679	27-Mar-90	475	421644	372695	419277	729181	0	14055	FALSE	FALSE	3.46
483689	20-Mar-90	50	540042	457765	513938	413836	0	40881	FALSE	FALSE	2.098
483689	20-Mar-90	127	3130669	2739999	3076227	400762	0	43892	FALSE	FALSE	1.199

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
483689	20-Mar-90	475	1092914	1101154	1236278	253915	0	45784	FALSE	FALSE	4.37
483689	21-Feb-92	25	792409	665173	746797	156368	0	34352	FALSE	FALSE	3.768
483689	21-Feb-92	50	415530	350585	393606	371337	0	33883	FALSE	FALSE	1.997
483689	21-Feb-92	125	1092685	943228	1058973	1308409	0	36170	FALSE	FALSE	4.384
512004	11-Apr-89	0	798583	687326	636498	688683	0	16386	FALSE	FALSE	0.945
512004	11-Apr-89	25	905896	784601	726579	364330	0	12400	FALSE	FALSE	0.874
512004	11-Apr-89	50	2121221	1852651	1715646	284729	0	8573	FALSE	FALSE	0.586
512004	11-Apr-89	75	2163918	1901849	1761206	225035	0	8051	FALSE	FALSE	0.448
512004	11-Apr-89	100	1406565	1244007	1152011	195243	0	9901	FALSE	FALSE	1.544
512004	11-Apr-89	125	2359849	2100269	1944952	301403	0	9252	FALSE	FALSE	0.935
512004	11-Apr-89	150	2212953	1981940	1835374	22129	0	7219	FALSE	FALSE	1.536
512004	11-Apr-89	175	1484537	1346371	1246805	67947	0	6625	FALSE	FALSE	0.79
512004	11-Apr-89	200	1234440	1128965	1045477	61817	0	6609	FALSE	FALSE	0.94
512004	11-Apr-89	225	938471	869134	804861	132305	0	6388	FALSE	FALSE	1.183
512004	11-Apr-89	250	1803532	1680805	1556508	19106	0	6485	FALSE	FALSE	1.341
512004	11-Apr-89	275	1902775	1795710	1662916	61777	0	5875	FALSE	FALSE	0.508
512004	11-Apr-89	300	780517	741240	686424	410752	0	6869	FALSE	FALSE	1.348
512004	11-Apr-89	325	978625	941127	871529	142502	0	7355	FALSE	FALSE	1.118
512004	11-Apr-89	350	677268	659550	610775	655931	0	7621	FALSE	FALSE	1.084
512004	11-Apr-89	375	1176921	1153353	1068061	365173	0	6636	FALSE	FALSE	1.273
512004	11-Apr-89	400	1241981	1235078	1143743	508067	0	8352	FALSE	FALSE	1.221
512004	11-Apr-89	425	786665	792181	733598	770922	0	8511	FALSE	FALSE	0.975
512004	11-Apr-89	450	1022785	1036446	959800	416304	0	10073	FALSE	FALSE	1.214
512004	11-Apr-89	475	368653	380682	352531	880433	0	11111	FALSE	FALSE	3.309
512004	07-Mar-90	0	466925	376274	348449	673541	0	15593	FALSE	FALSE	1.674
512004	07-Mar-90	25	1126062	919390	851403	117029	0	12286	FALSE	FALSE	0.918
512004	07-Mar-90	50	2642003	2171255	2010689	87622	0	8409	FALSE	FALSE	0.535
512004	07-Mar-90	75	2183479	1818053	1683606	71687	0	7056	FALSE	FALSE	0.493
512004	07-Mar-90	100	1154578	967655	896096	136075	0	8990	FALSE	FALSE	1.256
512004	07-Mar-90	125	2774997	2340992	2167874	27436	0	8838	FALSE	FALSE	0.8
512004	07-Mar-90	150	1815713	1545152	1430887	18970	0	6319	FALSE	FALSE	1.215
512004	07-Mar-90	175	1074623	932610	863643	42962	0	4992	FALSE	FALSE	1.726
512004	07-Mar-90	200	682802	596456	552348	58011	0	5867	FALSE	FALSE	0.887
512004	07-Mar-90	225	982431	873292	808711	18352	0	5442	FALSE	FALSE	1.05
512004	07-Mar-90	250	713743	644207	596568	126993	0	5692	FALSE	FALSE	0.43
512004	07-Mar-90	275	401733	364973	337983	236771	0	4809	FALSE	FALSE	0.55
512004	07-Mar-90	300	1919470	1778383	1646871	21343	0	6614	FALSE	FALSE	2.211
512004	07-Mar-90	325	759236	706503	654257	104648	0	6341	FALSE	FALSE	0.472
512004	07-Mar-90	350	504071	477312	442011	364561	0	7094	FALSE	FALSE	1.279
512004	07-Mar-90	375	719094	685388	634703	377480	0	5863	FALSE	FALSE	0.536
512004	07-Mar-90	400	1120267	1074762	995282	555556	0	7516	FALSE	FALSE	1.098
512004	07-Mar-90	425	954590	921823	853653	408842	0	7170	FALSE	FALSE	0.817
512004	07-Mar-90	450	423831	411968	381502	825913	0	9489	FALSE	FALSE	2.765
512004	07-Mar-90	500	1059189	1043096	965958	1059188	0	10591	FALSE	FALSE	1.156
562018	20-Jun-89	250	1063185	2088071	1372897	505189	20508	18119	FALSE	FALSE	1.621
562018	20-Jun-89	325	617564	1232355	810268	527674	46019	17096	FALSE	FALSE	1.721
562018	20-Jun-89	375	714758	1446644	951162	337044	45990	13484	FALSE	FALSE	2.863
562019	22-Jun-89	450	952622	1377345	903589	123886	76076	17780	FALSE	FALSE	3.25
562020	08-Jun-89	0	2024090	2953718	1945563	613008	0	21263	FALSE	FALSE	1.447
562020	08-Jun-89	25	2417635	3545818	2335569	561570	0	22739	FALSE	FALSE	1.804
562020	08-Jun-89	50	1809434	2667196	1756836	806187	0	25451	FALSE	FALSE	2.726
562020	08-Jun-89	75	1469181	2180233	1436082	1128277	0	25181	FALSE	FALSE	2.358
562020	08-Jun-89	100	3239992	4832346	3182983	355099	0	21126	FALSE	FALSE	1.553
562020	08-Jun-89	125	2190132	3283000	2162455	642802	0	19712	FALSE	FALSE	1.367
562020	08-Jun-89	150	1477544	2226012	1466236	1306241	0	25737	FALSE	FALSE	2.31
562020	08-Jun-89	175	1459068	2209272	1455209	982557	0	23641	FALSE	FALSE	2.549
562020	08-Jun-89	200	1839590	2799504	1843985	721528	0	21488	FALSE	FALSE	2.27
562020	08-Jun-89	225	1880524	2876242	1894531	768178	0	25573	FALSE	FALSE	3.228
562020	08-Jun-89	250	1631366	2503547	1649043	437514	0	27552	FALSE	FALSE	3.921
562020	08-Jun-89	275	2149333	3315084	2183589	560977	0	28486	FALSE	FALSE	4.507
562020	08-Jun-89	300	1868623	2896670	1907986	895221	0	26921	FALSE	FALSE	2.687
562020	08-Jun-89	325	1878553	2926761	1927807	231105	0	25025	FALSE	FALSE	2.685
562020	08-Jun-89	350	1414703	2215213	1459123	631041	0	25779	FALSE	FALSE	2.684
562020	08-Jun-89	375	1372070	2159300	1422294	461465	0	25610	FALSE	FALSE	3.523
562020	08-Jun-89	425	1362121	2165337	1426270	313366	0	30741	FALSE	FALSE	3.36
562020	08-Jun-89	450	1500774	2397793	1379385	334529	0	33537	FALSE	FALSE	3.555

SHRPID	DATE	STATION	E1	CorrE1	Corr70E1	E2	E3	E4	Limit	Convexity	AbsError
562020	08-Jun-89	475	2845810	4569711	3009990	780653	0	29914	FALSE	FALSE	2.872
562020	08-Jun-89	500	2079571	3356184	2210647	1056560	0	26138	FALSE	FALSE	1.534
562037	16-Jun-89	100	1053151	1639019	1003419	1371301	0	24861	FALSE	FALSE	0.455
562037	16-Jun-89	150	2546491	4011972	2456158	337305	0	26948	FALSE	FALSE	3.885
562037	16-Jun-89	175	844518	1338707	819566	834266	0	26701	FALSE	FALSE	3.261
562037	16-Jun-89	250	3080351	4973481	3044801	867888	0	34000	FALSE	FALSE	2.96
562037	16-Jun-89	325	2477192	4098873	2509359	435229	0	29836	FALSE	FALSE	2.781
562037	16-Jun-89	450	2182759	3701306	2265966	473040	0	33952	FALSE	FALSE	3.901
562037	16-Jun-89	475	931977	1587633	971960	737268	0	34261	FALSE	FALSE	3.232
567772	10-Jun-89	125	562543	0	0	235619	0	18749	FALSE	FALSE	4.436
567772	10-Jun-89	225	3397805	0	0	152035	0	19109	FALSE	FALSE	3.011
567772	10-Jun-89	500	4332639	0	0	73605	0	15806	FALSE	FALSE	2.178
567773	19-Jun-89	250	605181	1673026	1102045	499291	123913	26174	FALSE	FALSE	3.375
812812	30-Jun-92	175	887039	0	0	1431513	0	8191	FALSE	FALSE	4.581
812812	30-Jun-92	275	825096	0	0	1114768	0	7490	FALSE	FALSE	4.001
872811	31-Aug-89	0	641950	1594027	1110867	854096	0	28469	FALSE	FALSE	4.056
872811	31-Aug-89	25	783656	1918584	1337049	1108051	0	29827	FALSE	FALSE	1.76
872811	31-Aug-89	50	748720	1800039	1254435	947452	0	29270	FALSE	FALSE	2.182
872811	31-Aug-89	75	625914	1477693	1029794	1179471	0	29271	FALSE	FALSE	1.696
872811	31-Aug-89	100	1757918	4125125	2874773	1349529	0	26489	FALSE	FALSE	1.496
872811	31-Aug-89	150	835461	1871517	1304248	837927	0	26610	FALSE	FALSE	1.984
872811	31-Aug-89	225	675552	1450472	1010824	1226823	0	27985	FALSE	FALSE	1.004
872811	31-Aug-89	425	922124	1732838	1207603	1228815	0	23375	FALSE	FALSE	2.077
872811	31-Aug-89	450	1618710	3023478	2107042	971257	0	29460	FALSE	FALSE	2.735
872811	31-Aug-89	475	765514	1421215	990435	825028	0	25511	FALSE	FALSE	4.104
872811	26-Jul-90	0	909770	1696529	1182300	1246161	0	25458	FALSE	FALSE	2.902
872811	26-Jul-90	25	1793768	3372408	2350209	1215446	0	26091	FALSE	FALSE	2.72
872811	26-Jul-90	50	1177756	2227857	1552579	1118353	0	26960	FALSE	FALSE	2.317
872811	26-Jul-90	75	1149850	2183962	1521989	1265826	0	25890	FALSE	FALSE	2.471
872811	26-Jul-90	100	1376360	2630232	1832991	1491804	0	23078	FALSE	FALSE	0.95
872811	26-Jul-90	150	977848	1887832	1315618	984712	0	22332	FALSE	FALSE	3.203
872811	26-Jul-90	200	1273968	2484739	1731598	1114447	0	22859	FALSE	FALSE	1.834
872811	26-Jul-90	225	1101925	2157974	1503878	1263993	0	22454	FALSE	FALSE	3.59
872811	26-Jul-90	275	810648	1616965	1126852	875225	0	27015	FALSE	FALSE	2.042
872812	31-Aug-89	25	732674	1379346	934786	396508	0	16923	FALSE	FALSE	1.295
872812	31-Aug-89	50	610479	1156345	783658	594537	0	20350	FALSE	FALSE	1.316
872812	31-Aug-89	75	2166677	4162976	2821259	1475572	0	23582	FALSE	FALSE	2.443
872812	31-Aug-89	150	3457962	6806650	4612884	759827	0	21352	FALSE	FALSE	1.497
872812	31-Aug-89	175	1868801	3709609	2514011	207105	0	21137	FALSE	FALSE	1.455
872812	31-Aug-89	201	4396022	9033684	6122151	1487726	0	21687	FALSE	FALSE	1.853
872812	31-Aug-89	225	977493	2029281	1375249	1020745	0	21727	FALSE	FALSE	1.53
872812	31-Aug-89	300	44	936714	165116	165116	0	14808	FALSE	FALSE	3.677
872812	31-Aug-89	325	1055211	2325280	1575848	1366511	0	21196	FALSE	FALSE	3.812
872812	31-Aug-89	450	2330988	5535529	3751442	1300141	0	23237	FALSE	FALSE	1.064
872812	25-Jul-90	25	419757	914426	619709	1279267	0	19420	FALSE	FALSE	1.161
872812	25-Jul-90	50	748146	1684659	1141698	1187168	0	22098	FALSE	FALSE	3.489
872812	25-Jul-90	75	1214762	2785210	1887544	1401066	0	23647	FALSE	FALSE	2.535
872812	25-Jul-90	150	1357364	3335184	2260262	1207056	0	20278	FALSE	FALSE	2.247
872812	25-Jul-90	175	627548	1570042	1064021	566844	0	21398	FALSE	FALSE	0.894
872812	25-Jul-90	225	657347	1730911	1173043	849024	0	21596	FALSE	FALSE	1.123
872812	25-Jul-90	275	1246852	3383477	2292991	1034420	0	21541	FALSE	FALSE	1.172
872812	25-Jul-90	300	669396	1855150	1257240	669395	0	22313	FALSE	FALSE	1.466
872812	25-Jul-90	350	4462023	12667251	8584628	1362373	0	22298	FALSE	FALSE	2.255
872812	25-Jul-90	425	621076	1866916	1265213	814553	0	20165	FALSE	FALSE	3.384
872812	25-Jul-90	450	617428	1884084	1276849	915197	0	20581	FALSE	FALSE	2.031
872812	25-Jul-90	500	2309020	7217658	4891425	1454571	0	19195	FALSE	FALSE	1.879

Values of Critical Strains Calculated by WESLEA

STATE	SECTION	LOADW	AXLE	COUNT-R	COUNT-L	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
5	2042	4374.938	2	24737	22528	821954	299679	0	-5.18E-05	1.12E-04	-1.13E-04	3.77E-04	4.22E-06	5.59E-06	6.63E-05	2.62E-04
5	2042	3624.938	2	38789	35326	821954	299679	0	-4.58E-05	9.97E-05	-9.42E-05	3.14E-04	3.51E-06	4.64E-06	5.49E-05	2.16E-04
5	2042	3624.958	3	359	327	821954	299679	0	-4.39E-05	9.99E-05	-8.19E-05	3.51E-04	4.95E-06	4.33E-06	5.37E-05	2.27E-04
5	2042	2624.958	3	733	667	821954	299679	0	-3.52E-05	8.01E-05	-5.99E-05	2.56E-04	3.59E-06	3.14E-06	3.89E-05	1.64E-04
5	2042	499.9583	3	1376	1253	821954	299679	0	-8.67E-06	1.97E-05	-1.17E-05	4.90E-05	6.87E-07	5.98E-07	7.39E-06	3.09E-05
5	2042	3874.958	3	733	667	821954	299679	0	-4.58E-05	1.04E-04	-8.74E-05	3.75E-04	5.29E-06	4.63E-06	5.74E-05	2.43E-04
5	2042	874.9375	2	54817	49923	821954	299679	0	-1.49E-05	3.28E-05	-2.33E-05	7.67E-05	8.53E-07	1.12E-06	1.32E-05	5.16E-05
5	2042	5874.875	1	269	245	821954	299679	0	-6.49E-05	1.32E-04	-1.70E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	6124.875	1	344	313	821954	299679	0	-6.65E-05	1.35E-04	-1.77E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1374.875	1	96271	87676	821954	299679	0	-2.27E-05	4.83E-05	-4.12E-05	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1874.958	3	733	667	821954	299679	0	-2.73E-05	6.22E-05	-4.31E-05	1.83E-04	2.57E-06	2.24E-06	2.78E-05	1.17E-04
5	2042	2624.875	1	76457	69631	821954	299679	0	-3.80E-05	7.98E-05	-7.78E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1374.938	2	125543	114334	821954	299679	0	-2.20E-05	4.83E-05	-3.65E-05	1.20E-04	1.34E-06	1.01E+00	2.08E-05	8.14E-05
5	2042	2124.938	2	59920	54571	821954	299679	0	-3.12E-05	6.84E-05	-5.60E-05	1.85E-04	2.06E-06	2.72E-06	3.22E-05	1.26E-04
5	2042	4874.938	2	26667	24287	821954	299679	0	-5.53E-05	1.20E-04	-1.25E-04	4.19E-04	4.70E-06	6.23E-06	7.39E-05	2.92E-04
5	2042	3874.938	2	38430	34999	821954	299679	0	-4.79E-05	1.04E-04	-1.01E-04	3.35E-04	3.74E-06	4.96E-06	5.87E-05	2.31E-04
5	2042	5124.938	2	17584	16014	821954	299679	0	-5.70E-05	1.23E-04	-1.32E-04	4.40E-04	4.93E-06	6.55E-06	7.77E-05	3.07E-04
5	2042	5374.938	2	7931	7223	821954	299679	0	-5.87E-05	1.26E-04	-1.38E-04	4.62E-04	5.17E-06	6.87E-06	8.15E-05	3.22E-04
5	2042	4624.938	2	22896	20852	821954	299679	0	-5.36E-05	1.16E-04	-1.19E-04	3.98E-04	4.46E-06	5.91E-06	7.01E-05	2.77E-04
5	2042	1624.938	2	97917	89175	821954	299679	0	-2.52E-05	5.54E-05	-4.30E-05	1.42E-04	1.58E-06	2.08E-06	2.46E-05	9.63E-05
5	2042	3124.938	2	37891	34509	821954	299679	0	-4.14E-05	9.03E-05	-8.16E-05	2.71E-04	3.03E-06	4.00E-06	4.73E-05	1.86E-04
5	2042	3374.938	2	49145	44758	821954	299679	0	-4.37E-05	9.51E-05	-8.79E-05	2.92E-04	3.27E-06	4.32E-06	5.11E-05	2.01E-04
5	2042	2624.938	2	38101	34699	821954	299679	0	-3.56E-05	7.99E-05	-6.89E-05	2.28E-04	2.55E-06	3.36E-06	3.97E-05	1.56E-04
5	2042	2874.938	2	44356	40396	821954	299679	0	-3.90E-05	8.52E-05	-7.52E-05	2.50E-04	2.79E-06	3.68E-06	4.35E-05	1.71E-04
5	2042	6624.875	1	688	626	821954	299679	0	-6.96E-05	1.41E-04	-1.90E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	4124.938	2	41019	37357	821954	299679	0	-4.99E-05	1.08E-04	-1.07E-04	3.56E-04	3.98E-06	5.27E-06	6.25E-05	2.47E-04
5	2042	1124.958	3	748	681	821954	299679	0	-1.80E-05	4.09E-05	-2.61E-05	1.10E-04	1.54E-06	1.35E-06	1.66E-05	6.99E-05
5	2042	4124.875	1	6928	6310	821954	299679	0	-5.21E-05	1.08E-04	-1.21E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1874.938	2	71264	64902	821954	299679	0	-2.83E-05	6.21E-05	-4.95E-05	1.64E-04	1.82E-06	2.40E-06	2.84E-05	1.11E-04
5	2042	2374.875	1	58543	53317	821954	299679	0	-3.52E-05	7.42E-05	-7.05E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1124.875	1	178699	162745	821954	299679	0	-1.92E-05	4.07E-05	-3.37E-05	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	2374.938	2	46601	42441	821954	299679	0	-3.40E-05	7.43E-05	-6.24E-05	2.07E-04	2.31E-06	3.04E-06	3.60E-05	1.41E-04
5	2042	4874.875	1	299	272	821954	299679	0	-5.79E-05	1.19E-04	-1.42E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	2124.875	1	56942	51858	821954	299679	0	-3.23E-05	6.83E-05	-6.32E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	4624.875	1	2214	2017	821954	299679	0	-5.61E-05	1.16E-04	-1.35E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1874.875	1	61911	56383	821954	299679	0	-2.93E-05	6.20E-05	-5.59E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1624.875	1	61387	55906	821954	299679	0	-2.61E-05	5.53E-05	-4.85E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	874.875	1	95986	87417	821954	299679	0	-1.54E-05	3.27E-05	-2.63E-05	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	5124.875	1	793	722	821954	299679	0	-5.98E-05	1.23E-04	-1.49E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	3874.875	1	11403	10385	821954	299679	0	-4.99E-05	1.04E-04	-1.14E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	2874.958	3	359	327	821954	299679	0	-3.75E-05	8.54E-05	-6.55E-05	2.80E-04	3.93E-06	3.43E-06	4.26E-05	1.80E-04
5	2042	3124.875	1	78522	71512	821954	299679	0	-4.31E-05	9.01E-05	-9.22E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	2874.875	1	84568	77018	821954	299679	0	-4.06E-05	8.51E-05	-8.50E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	1124.938	2	81769	74469	821954	299679	0	-1.86E-05	4.08E-05	-2.99E-05	9.85E-05	1.10E-06	1.44E-06	1.70E-05	6.65E-05
5	2042	374.875	1	36784	33500	821954	299679	0	-7.02E-06	1.50E-05	-1.13E-05	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	6124.938	2	688	626	821954	299679	0	-6.33E-05	1.36E-04	-1.56E-04	5.25E-04	5.88E-06	7.83E-06	9.29E-05	3.67E-04
5	2042	3624.875	1	34584	31496	821954	299679	0	-4.78E-05	9.95E-05	-1.07E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	5874.938	2	4489	4088	821954	299679	0	-6.18E-05	1.33E-04	-1.50E-04	5.04E-04	5.64E-06	7.51E-06	8.91E-05	3.52E-04
5	2042	6374.938	2	1376	1253	821954	299679	0	-6.47E-05	1.38E-04	-1.62E-04	5.45E-04	6.12E-06	8.15E-06	9.67E-05	3.83E-04
5	2042	3374.875	1	48202	43899	821954	299679	0	-4.55E-05	9.49E-05	-8.94E-05	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	4374.875	1	4893	4456	821954	299679	0	-5.41E-05	1.12E-04	-1.28E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	2042	3124.958	3	359	327	821954	299679	0	-3.97E-05	9.05E-05	-7.10E-05	3.04E-04	4.27E-06	3.73E-06	4.63E-05	1.96E-04
5	2042	374.9375	2	39343	35831	821954	299679	0	-6.82E-06	1.50E-05	-1.00E-05	3.29E-05	3.66E-07	4.80E-07	5.67E-06	2.20E-05
5	2042	5624.938	2	11029	9	821954	299679	0	-6.03E-05	1.30E-04	-1.44E-04	4.83E-04	5.41E-06	7.19E-06	8.5	3.37E-04
5	3048	1874.958	3	7	6	1397378	571007	0	-1.89E-05	4.62E-05	-2.81E-05	1.09E-04	2.27E-06	3.04E-06	1.5	6.25E-05
5	3048	2624.938	2	16688	13835	1397378	571007	0	-1.82E-05	4.35E-05	-3.01E-05	9.18E-05	1.89E-06	1.24E-07	1.49E-05	5.55E-05
5	3048	1874.958	3	46	38	1397378	571007	0	-1.40E-05	3.40E-05	-1.85E-05	7.14E-05	1.48E-06	2.18E-08	1.02E-05	4.06E-05
5	3048	1124.958	3	147	122	1397378	571007	0	-9.34E-06	2.25E-05	-1.12E-05	4.30E-05	8.89E-07	1.42E-08	6.12E-06	2.42E-05
5	3048	1874.938	2	23564	19535	1397378	571007	0	-1.43E-05	3.41E-05	-2.17E-05	6.58E-05	1.35E-06	8.99E-08	1.07E-05	3.95E-05
5	3048	4624.938	2	7164	5939	1397378	571007	0	-2.58E-05	6.19E-05	-5.20E-05	1.60E-04	3.33E-06	2.11E-07	2.64E-05	9.84E-05
5	3048	6874.938	2	23	19	1397378	571007	0	-3.14E-05	7.54E-05	-7.57E-05	2.36E-04	4.95E-06	3.05E-07	3.92E-05	1.48E-04
5	3048	7374.938	2	23	19	1397378	571007	0	-3.23E-05	7.77E-05	-8.09E-05	2.53E-04	5.31E-06	3.25E-07	4.21E-05	1.58E-04
5	3048	6374.938	2	15	12	1397378	571007	0	-3.03E-05	7.29E-05	-7.06E-05	2.19E-04	4.59E-06	2.84E-07	3.64E-05	1.36E-04
5	3048	2124.958	3	85	71	1397378	571007	0	-1.54E-05	3.73E-05	-2.10E-05	8.09E-05	1.68E-06	2.42E-08	1.16E-05	4.06E-05
5	3048	2624.958	3	46	38	1397378	5									

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
5	3048	6874.875	1	7	6	1397378	571007	0	-3.24E-05	7.56E-05	-8.71E-05	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	1624.958	3	77	64	1397378	571007	0	-1.26E-05	3.04E-05	-1.61E-05	6.20E-05	1.29E-06	1.95E-08	8.85E-06	3.51E-05
5	3048	5874.875	1	109	90	1397378	571007	0	-3.01E-05	7.03E-05	-7.51E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	5874.938	2	241	200	1397378	571007	0	-2.92E-05	7.01E-05	-6.53E-05	2.02E-04	4.23E-06	2.63E-07	3.35E-05	1.25E-04
5	3048	2874.938	2	20550	17037	1397378	571007	0	-1.94E-05	4.63E-05	-3.29E-05	1.00E-04	2.07E-06	1.35E-07	1.64E-05	6.08E-05
5	3048	7124.938	2	7	6	1397378	571007	0	-3.19E-05	7.66E-05	-7.83E-05	2.44E-04	5.13E-06	3.15E-07	4.07E-05	1.53E-04
5	3048	6124.938	2	70	58	1397378	571007	0	-2.98E-05	7.15E-05	-6.79E-05	2.11E-04	4.41E-06	2.74E-07	3.49E-05	1.31E-04
5	3048	6624.875	1	38	32	1397378	571007	0	-3.19E-05	7.44E-05	-8.41E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	5124.958	3	62	51	1397378	571007	0	-2.65E-05	6.53E-05	-4.89E-05	1.93E-04	4.06E-06	4.68E-08	2.80E-05	1.12E-04
5	3048	2374.875	1	36514	30272	1397378	571007	0	-1.74E-05	4.06E-05	-3.13E-05	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	5874.958	3	23	19	1397378	571007	0	-2.83E-05	6.99E-05	-5.56E-05	2.20E-04	4.65E-06	5.17E-08	3.21E-05	1.29E-04
5	3048	2124.938	2	18907	15675	1397378	571007	0	-1.57E-05	3.74E-05	-2.45E-05	7.45E-05	1.53E-06	1.01E-07	1.21E-05	4.48E-05
5	3048	1374.938	2	27777	23028	1397378	571007	0	-1.12E-05	2.67E-05	-1.60E-05	4.84E-05	9.89E-07	6.60E-08	7.81E-06	2.89E-05
5	3048	374.875	1	14586	12176	1397378	571007	0	-3.61E-06	8.39E-06	-5.02E-06	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3624.875	1	7904	6552	1397378	571007	0	-2.30E-05	5.39E-05	-4.72E-05	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	1124.938	2	29225	24229	1397378	571007	0	-9.52E-06	2.26E-05	-1.31E-05	3.96E-05	8.09E-07	5.43E-08	6.39E-06	2.36E-05
5	3048	5624.958	3	31	25	1397378	571007	0	-2.77E-05	6.84E-05	-5.34E-05	2.11E-04	4.45E-06	5.05E-08	3.08E-05	1.23E-04
5	3048	4624.958	3	70	58	1397378	571007	0	-2.51E-05	6.18E-05	-4.44E-05	1.74E-04	3.66E-06	4.40E-08	2.53E-05	1.01E-04
5	3048	5374.958	3	70	58	1397378	571007	0	-2.71E-05	6.69E-05	-5.11E-05	2.02E-04	4.25E-06	4.81E-08	2.94E-05	1.18E-04
5	3048	4124.958	3	62	51	1397378	571007	0	-2.36E-05	5.79E-05	-3.98E-05	1.56E-04	3.26E-06	4.10E-08	2.25E-05	9.00E-05
5	3048	4874.958	3	54	45	1397378	571007	0	-2.58E-05	6.36E-05	-4.66E-05	1.83E-04	3.86E-06	4.54E-08	2.66E-05	1.07E-04
5	3048	6124.958	3	7	6	1397378	571007	0	-2.88E-05	7.13E-05	-5.78E-05	2.29E-04	4.85E-06	5.29E-08	3.35E-05	1.34E-04
5	3048	4674.875	1	747	619	1397378	571007	0	-2.73E-05	6.39E-05	-6.28E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3874.958	3	85	71	1397378	571007	0	-2.28E-05	5.58E-05	-3.75E-05	1.46E-04	3.07E-06	3.93E-08	2.12E-05	8.45E-05
5	3048	5124.875	1	381	316	1397378	571007	0	-2.81E-05	6.56E-05	-6.59E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	2374.938	2	15675	12995	1397378	571007	0	-1.70E-05	4.06E-05	-2.73E-05	8.32E-05	1.71E-06	1.13E-07	1.35E-05	5.02E-05
5	3048	3624.958	3	54	45	1397378	571007	0	-2.19E-05	5.36E-05	-3.52E-05	1.37E-04	2.87E-06	3.76E-08	1.98E-05	7.90E-05
5	3048	5374.875	1	186	154	1397378	571007	0	-2.88E-05	6.73E-05	-6.90E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3374.958	3	116	96	1397378	571007	0	-2.10E-05	5.13E-05	-3.28E-05	1.28E-04	2.67E-06	3.58E-08	1.84E-05	7.35E-05
5	3048	3124.958	3	54	45	1397378	571007	0	-2.09E-05	4.88E-05	-3.05E-05	1.18E-04	2.47E-06	3.30E-08	1.70E-05	6.80E-05
5	3048	5624.938	2	552	458	1397378	571007	0	-2.86E-05	6.66E-05	-6.27E-05	1.94E-04	4.05E-06	2.53E-07	3.21E-05	1.20E-04
5	3048	874.875	1	18463	15307	1397378	571007	0	-7.81E-06	1.82E-05	-1.17E-05	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	4374.958	3	46	38	1397378	571007	0	-2.44E-05	5.99E-05	-4.21E-05	1.65E-04	3.46E-06	4.26E-08	2.39E-05	9.55E-05
5	3048	4124.875	1	2546	2111	1397378	571007	0	-2.49E-05	5.82E-05	-5.35E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	4624.875	1	996	826	1397378	571007	0	-2.65E-05	6.21E-05	-5.97E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	1374.875	1	21344	17695	1397378	571007	0	-1.14E-05	2.67E-05	-1.83E-05	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	2624.875	1	19935	16527	1397378	571007	0	-1.31E-05	3.05E-05	-2.15E-05	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	2624.875	1	35907	29788	1397378	571007	0	-1.86E-05	4.36E-05	-3.45E-05	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	2124.875	1	33134	27470	1397378	571007	0	-1.60E-05	3.75E-05	-2.80E-05	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3374.875	1	13028	10800	1397378	571007	0	-2.20E-05	5.15E-05	-4.41E-05	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3874.875	1	3800	3150	1397378	571007	0	-2.40E-05	5.61E-05	-5.04E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	3124.875	1	21768	18063	1397378	571007	0	-2.10E-05	4.90E-05	-4.09E-05	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	1124.875	1	27473	22776	1397378	571007	0	-9.69E-06	2.26E-05	-1.50E-05	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	4374.875	1	1370	1136	1397378	571007	0	-2.57E-05	6.02E-05	-5.66E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	2874.875	1	30222	25055	1397378	571007	0	-1.98E-05	4.64E-05	-3.77E-05	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	3048	1874.875	1	23540	19516	1397378	571007	0	-1.46E-05	3.41E-05	-2.48E-05	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	3087	1374.938	2	3568	3685	666955	678388	0	-8.24E-06	2.10E-05	-1.84E-05	5.79E-05	6.59E-07	3.20E-08	7.23E-06	3.22E-05
28	3087	2374.875	1	1779	1638	666955	678388	0	-1.27E-05	3.24E-05	-3.59E-05	9.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	3087	2374.938	2	1779	1638	666955	678388	0	-1.25E-05	3.23E-05	-3.14E-05	9.91E-05	1.14E-06	5.78E-08	1.25E-05	5.59E-05
28	3087	1624.938	2	1779	1838	666955	678388	0	-9.42E-06	2.41E-05	-2.16E-05	6.83E-05	7.78E-07	3.82E-08	8.55E-06	3.81E-05
28	3087	3374.875	1	1779	1838	666955	678388	0	-1.61E-05	4.13E-05	-5.05E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	6874.958	3	7049	0	1100020	1061157	0	-1.12E-05	2.55E-05	-2.74E-05	1.18E-04	1.71E-06	1.86E-06	1.95E-05	7.64E-05
34	1638	1624.958	3	361	0	1100020	1061157	0	-3.31E-06	7.63E-06	-6.78E-06	2.83E-05	4.02E-07	4.67E-07	4.59E-06	1.80E-05
34	1638	5124.875	1	27869	0	1100020	1061157	0	-1.00E-05	2.02E-05	-2.68E-05	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	2374.958	3	828	0	1100020	1061157	0	-4.71E-06	1.08E-05	-9.84E-06	4.12E-05	5.89E-07	6.82E-07	6.71E-06	2.64E-05
34	1638	8124.958	3	304	0	1100020	1061157	0	-1.27E-05	2.87E-05	-3.20E-05	1.39E-04	2.29E-06	2.31E-06	2.31E-05	9.03E-05
34	1638	2624.958	3	1035	0	1100020	1061157	0	-5.15E-06	1.17E-05	-1.09E-05	4.55E-05	6.51E-07	7.53E-07	7.42E-06	2.91E-05
34	1638	7374.958	3	3156	0	1100020	1061157	0	-1.18E-05	2.68E-05	-2.93E-05	1.26E-04	2.07E-06	2.10E-06	2.09E-05	8.19E-05
34	1638	7624.958	3	1334	0	1100020	1061157	0	-1.21E-05	2.75E-05	-3.02E-05	1.31E-04	2.15E-06	2.17E-06	2.16E-05	8.47E-05
34	1638	7874.958	3	664	0	1100020	1061157	0	-1.24E-05	2.81E-05	-3.11E-05	1.35E-04	2.22E-06	2.24E-06	2.23E-05	8.75E-05
34	1638	6624.958	3	8237	0	1100020	1061157	0	-1.09E-05	2.48E-05	-2.65E-05	1.14E-04	1.65E-06	1.89E-06	1.88E-05	7.36E-05
34	1638	7124.938	2	7799	0	1100020	1061157	0	-1.23E-05	2.60E-05	-3.25E-05	1.09E-04	1.38E-06	2.13E-06	2.05E-05	7.49E-05
34	1638	7124.958	3	5617	0	1100020	1061157	0	-1.15E-05	2.62E-05	-2.83E-05	1.22E-04	2.00E-06	2.03E-06	2.02E-05	7.91E-05
34	1638	8374.958	3	79	0	1100020	1061157	0	-1.30E-05	2.93E-05	-3.29E-05	1.43E-04	2.36E-06	2.38E-06	2.38E-05	9.31E-05
34	1638	4374.958	3	9365	0	1100020	1061157	0	-7.90E-06	1.81E-05	-1.78E-05	7.56E-05	1.09E-06</			

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
34	1638	2124.958	3	932	0	1100020	1061157	0	-4.27E-05	9.74E-06	-8.82E-06	3.69E-05	5.27E-07	6.10E-07	6.00E-06	2.36E-05
34	1638	1874.958	3	2552	0	1100020	1061157	0	-3.81E-06	8.70E-06	-7.80E-06	3.26E-05	4.64E-07	5.39E-07	5.30E-06	2.08E-05
34	1638	7874.938	2	2223	0	1100020	1061157	0	-1.33E-05	2.79E-05	-3.58E-05	1.20E-04	1.53E-06	2.36E-06	2.28E-05	8.28E-05
34	1638	5374.958	3	6921	0	1100020	1061157	0	-9.29E-06	2.12E-05	-2.17E-05	9.26E-05	1.33E-06	1.53E-06	1.52E-05	5.97E-05
34	1638	9124.938	2	993	0	1100020	1061157	0	-1.49E-05	3.08E-05	-4.11E-05	1.38E-04	1.78E-06	2.72E-06	2.63E-05	9.60E-05
34	1638	8874.938	2	1364	0	1100020	1061157	0	-1.46E-05	3.03E-05	-4.00E-05	1.35E-04	1.73E-06	2.65E-06	2.55E-05	9.34E-05
34	1638	8624.938	2	1200	0	1100020	1061157	0	-1.43E-05	2.97E-05	-3.90E-05	1.31E-04	1.68E-06	2.58E-06	2.48E-05	9.07E-05
34	1638	7624.938	2	2723	0	1100020	1061157	0	-1.29E-05	2.73E-05	-3.47E-05	1.16E-04	1.48E-06	2.28E-06	2.19E-05	8.02E-05
34	1638	6624.938	2	17103	0	1100020	1061157	0	-1.16E-05	2.47E-05	-3.04E-05	1.01E-04	1.08E-06	1.99E-06	1.90E-05	6.97E-05
34	1638	6374.938	2	24841	0	1100020	1061157	0	-1.12E-05	2.40E-05	-2.93E-05	9.75E-05	1.03E-06	1.91E-06	1.83E-05	6.70E-05
34	1638	6124.938	2	38599	0	1100020	1061157	0	-1.09E-05	2.33E-05	-2.82E-05	9.37E-05	9.93E-07	1.84E-06	1.76E-05	6.44E-05
34	1638	7374.938	2	4234	0	1100020	1061157	0	-1.26E-05	2.67E-05	-3.36E-05	1.12E-04	1.43E-06	2.21E-06	2.12E-05	7.76E-05
34	1638	6874.938	2	11253	0	1100020	1061157	0	-1.19E-05	2.53E-05	-3.15E-05	1.05E-04	1.33E-06	2.06E-06	1.98E-05	7.23E-05
34	1638	6124.958	3	7531	0	1100020	1061157	0	-1.03E-05	2.34E-05	-2.46E-05	1.05E-04	1.52E-06	1.75E-06	1.74E-05	6.80E-05
34	1638	2374.938	2	118327	0	1100020	1061157	0	-4.96E-06	1.07E-05	-1.13E-05	3.67E-05	3.84E-07	7.18E-07	6.80E-06	2.49E-05
34	1638	374.875	1	157000	0	1100020	1061157	0	-9.07E-07	1.86E-06	-2.03E-06	5.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	2874.958	3	1218	0	1100020	1061157	0	-5.57E-06	1.27E-05	-1.19E-05	4.99E-05	7.13E-07	8.25E-07	8.13E-06	3.19E-05
34	1638	3374.938	2	65567	0	1100020	1061157	0	-6.74E-06	1.45E-05	-1.59E-05	5.21E-05	5.46E-07	1.02E-06	9.67E-06	3.55E-05
34	1638	469.9583	3	3942	0	1100020	1061157	0	-1.09E-06	2.49E-06	-2.11E-06	8.72E-06	1.30E-07	1.44E-07	1.41E-06	5.54E-06
34	1638	1374.958	3	3533	0	1100020	1061157	0	-2.87E-06	6.54E-06	-5.75E-06	2.39E-05	3.41E-07	3.96E-07	3.88E-06	1.53E-05
34	1638	3624.938	2	63855	0	1100020	1061157	0	-7.16E-06	1.54E-05	-1.70E-05	5.59E-05	5.86E-07	1.09E-06	1.04E-05	3.81E-05
34	1638	6874.875	1	5831	0	1100020	1061157	0	-1.27E-05	2.52E-05	-3.55E-05	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	9874.938	2	268	0	1100020	1061157	0	-1.58E-05	3.24E-05	-4.42E-05	1.49E-04	1.93E-06	2.94E-06	2.84E-05	1.04E-04
34	1638	9624.938	2	688	0	1100020	1061157	0	-1.56E-05	3.19E-05	-4.32E-05	1.46E-04	1.88E-06	2.87E-06	2.77E-05	1.01E-04
34	1638	1124.958	3	2510	0	1100020	1061157	0	-2.38E-06	5.42E-06	-4.71E-06	1.96E-05	2.79E-07	3.24E-07	3.18E-06	1.25E-05
34	1638	1874.938	2	198530	0	1100020	1061157	0	-4.01E-06	8.65E-06	-8.92E-06	2.91E-05	3.03E-07	5.67E-07	5.37E-06	1.97E-05
34	1638	874.875	1	291449	0	1100020	1061157	0	-2.06E-06	4.23E-06	-4.72E-06	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	1374.938	2	186965	0	1100020	1061157	0	-3.01E-06	6.51E-06	-6.57E-06	2.13E-05	2.22E-07	4.17E-07	3.93E-06	1.44E-05
34	1638	2624.938	2	88587	0	1100020	1061157	0	-5.42E-06	1.17E-05	-1.24E-05	4.06E-05	4.24E-07	7.93E-07	7.52E-06	2.76E-05
34	1638	7124.875	1	4051	0	1100020	1061157	0	-1.30E-05	2.58E-05	-3.68E-05	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	6124.875	1	9913	0	1100020	1061157	0	-1.15E-05	2.31E-05	-3.18E-05	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	9374.938	2	1115	0	1100020	1061157	0	-1.52E-05	3.14E-05	-4.21E-05	1.42E-04	1.83E-06	2.80E-06	2.70E-05	9.86E-05
34	1638	1124.938	2	82475	0	1100020	1061157	0	-2.50E-06	5.39E-06	-5.38E-06	1.75E-05	1.81E-07	3.41E-07	3.22E-06	1.18E-05
34	1638	7374.875	1	3899	0	1100020	1061157	0	-1.34E-05	2.65E-05	-3.33E-05	9.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	6624.875	1	6885	0	1100020	1061157	0	-1.23E-05	2.45E-05	-3.43E-05	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	7624.875	1	2857	0	1100020	1061157	0	-1.38E-05	2.71E-05	-3.92E-05	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	8624.875	1	889	0	1100020	1061157	0	-1.52E-05	2.95E-05	-4.41E-05	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	8874.875	1	956	0	1100020	1061157	0	-1.56E-05	3.00E-05	-4.53E-05	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	9374.875	1	511	0	1100020	1061157	0	-1.63E-05	3.11E-05	-4.76E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	9624.875	1	365	0	1100020	1061157	0	-1.66E-05	3.17E-05	-4.88E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	9874.875	1	170	0	1100020	1061157	0	-1.70E-05	3.22E-05	-5.00E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	6374.875	1	9401	0	1100020	1061157	0	-1.19E-05	2.38E-05	-3.31E-05	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	5624.875	1	17694	0	1100020	1061157	0	-1.08E-05	2.17E-05	-2.93E-05	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	1624.938	2	216474	0	1100020	1061157	0	-3.52E-06	7.59E-06	-7.75E-06	2.52E-05	2.62E-07	4.92E-07	4.65E-06	1.71E-05
34	1638	2874.938	2	77881	0	1100020	1061157	0	-5.87E-06	1.26E-05	-1.36E-05	4.44E-05	4.65E-07	8.68E-07	8.23E-06	3.02E-05
34	1638	3374.875	1	125949	0	1100020	1061157	0	-7.10E-06	1.44E-05	-1.79E-05	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	4624.938	2	95624	0	1100020	1061157	0	-8.75E-06	1.88E-05	-2.15E-05	7.11E-05	7.49E-07	1.39E-06	1.33E-05	4.86E-05
34	1638	4874.938	2	100730	0	1100020	1061157	0	-9.13E-06	1.96E-05	-2.27E-05	7.49E-05	7.90E-07	1.47E-06	1.40E-05	5.12E-05
34	1638	5124.938	2	98202	0	1100020	1061157	0	-9.50E-06	2.03E-05	-2.38E-05	7.86E-05	8.30E-07	1.54E-06	1.47E-05	5.39E-05
34	1638	5874.938	2	53655	0	1100020	1061157	0	-1.06E-05	2.26E-05	-2.71E-05	9.00E-05	9.53E-07	1.76E-06	1.66E-05	6.18E-05
34	1638	3124.875	1	217211	0	1100020	1061157	0	-6.64E-06	1.35E-05	-1.66E-05	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	274.9375	2	13770	0	1100020	1061157	0	-8.67E-07	1.87E-06	-1.81E-06	5.83E-06	6.41E-08	1.14E-07	1.07E-06	3.94E-06
34	1638	8374.875	1	1450	0	1100020	1061157	0	-1.49E-05	2.89E-05	-4.29E-05	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	3624.875	1	84206	0	1100020	1061157	0	-7.54E-06	1.53E-05	-1.92E-05	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	3874.875	1	63051	0	1100020	1061157	0	-7.98E-06	1.62E-05	-2.05E-05	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	4124.875	1	48988	0	1100020	1061157	0	-8.41E-06	1.70E-05	-2.17E-05	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	2874.875	1	318186	0	1100020	1061157	0	-6.18E-06	1.26E-05	-1.53E-05	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	1124.875	1	190438	0	1100020	1061157	0	-2.82E-06	5.36E-06	-6.08E-06	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	2124.938	2	156342	0	1100020	1061157	0	-4.49E-06	9.69E-06	-1.01E-05	3.29E-05	3.43E-07	6.43E-07	6.08E-06	2.23E-05
34	1638	10124.88	1	48	0	1100020	1061157	0	-1.73E-05	3.27E-05	-5.12E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	2374.875	1	415858	0	1100020	1061157	0	-5.22E-06	1.06E-05	-1.27E-05	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	3374.958	3	2065	0	1100020	1061157	0	-6.38E-06	1.46E-05	-1.39E-05	5.84E-05	8.37E-07	9.67E-07	9.54E-06	3.75E-05
34	1638	2124.875	1	348200	0	1100020	1061157	0	-4.72E-06	9.64E-06	-1.14E-05	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	1638	3124.958	3	1340	0	1100020	1061157	0	-5.98E-06	1.37E-05	-1.29E-05	5.42E-05	7.75E-07	8.96E-07	8.83E-06	3.47E-05
34	1638	3874.938	2	67663	0	1100020	1061157	0	-7.57E-06	1.						

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
40	4154	4874.875	1	7325	6670	556901	382427	0	-2.06E-05	4.26E-05	-3.49E-05	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	5874.938	2	1661	1512	556901	382427	0	-2.31E-05	4.97E-05	-3.71E-05	1.18E-04	6.04E-06	4.92E-07	2.91E-05	8.48E-05
40	4154	2874.875	1	40475	36954	556901	382427	0	-1.29E-05	2.69E-05	-2.08E-05	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	2624.938	2	12563	11439	556901	382427	0	-1.14E-05	2.48E-05	-1.69E-05	5.34E-05	2.63E-06	2.14E-07	1.30E-05	3.78E-05
40	4154	3624.958	3	1103	1004	556901	382427	0	-1.45E-05	3.31E-05	-2.02E-05	8.30E-05	4.05E-06	2.20E-07	1.81E-05	5.54E-05
40	4154	5124.938	2	3877	3531	556901	382427	0	-2.05E-05	4.44E-05	-3.25E-05	1.04E-04	5.24E-06	4.26E-07	2.54E-05	7.38E-05
40	4154	1124.938	2	31897	29043	556901	382427	0	-5.15E-06	1.12E-05	-7.29E-06	2.30E-05	1.10E-06	9.05E-08	5.56E-06	1.62E-05
40	4154	4824.938	2	8269	7529	556901	382427	0	-1.88E-05	4.08E-05	-2.94E-05	9.35E-05	4.72E-06	3.83E-07	2.29E-05	6.66E-05
40	4154	7374.938	2	447	407	556901	382427	0	-2.79E-05	5.96E-05	-4.62E-05	1.48E-04	7.62E-06	6.28E-07	3.66E-05	1.06E-04
40	4154	4874.938	2	5046	4595	556901	382427	0	-1.97E-05	4.26E-05	-3.09E-05	9.85E-05	4.98E-06	4.04E-07	2.42E-05	7.02E-05
40	4154	1374.875	1	82213	74858	556901	382427	0	-6.48E-06	1.36E-05	-1.00E-05	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	1874.938	2	18290	16653	556901	382427	0	-8.33E-06	1.82E-05	-1.21E-05	3.82E-05	1.86E-06	1.52E-07	9.27E-06	2.70E-05
40	4154	5874.875	1	2899	2640	556901	382427	0	-2.42E-05	4.97E-05	-4.18E-05	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	5624.938	2	4047	3685	556901	382427	0	-2.22E-05	4.80E-05	-3.56E-05	1.13E-04	5.77E-06	4.70E-07	2.79E-05	8.10E-05
40	4154	9624.875	1	815	742	556901	382427	0	-3.65E-05	7.27E-05	-6.72E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	1374.938	2	22154	20172	556901	382427	0	-6.23E-06	1.36E-05	-8.90E-06	2.81E-05	1.36E-06	1.11E-07	6.79E-06	1.98E-05
40	4154	4374.958	3	58	53	556901	382427	0	-1.71E-05	3.89E-05	-2.43E-05	1.00E-04	4.91E-06	2.68E-07	2.18E-05	6.69E-05
40	4154	1624.938	2	16038	14604	556901	382427	0	-7.29E-06	1.59E-05	-1.05E-05	3.31E-05	1.61E-06	1.31E-07	8.03E-06	2.34E-05
40	4154	9374.938	2	93	85	556901	382427	0	-3.40E-05	7.14E-05	-5.80E-05	1.87E-04	9.79E-06	8.17E-07	4.66E-05	1.35E-04
40	4154	499.9583	3	2112	1923	556901	382427	0	-2.25E-06	5.11E-06	-2.84E-06	1.15E-05	5.34E-07	2.94E-08	2.48E-06	7.63E-06
40	4154	2374.938	2	13246	12061	556901	382427	0	-1.04E-05	2.26E-05	-1.53E-05	4.83E-05	2.38E-06	1.93E-07	1.17E-05	3.42E-05
40	4154	1124.958	3	2025	1844	556901	382427	0	-4.94E-06	1.12E-05	-6.38E-06	2.59E-05	1.22E-06	6.64E-08	5.59E-06	1.72E-05
40	4154	3374.958	3	149	135	556901	382427	0	-1.62E-05	3.11E-05	-1.89E-05	7.74E-05	3.76E-06	2.04E-07	1.68E-05	5.16E-05
40	4154	4124.958	3	72	66	556901	382427	0	-1.62E-05	3.70E-05	-2.29E-05	9.44E-05	4.63E-06	2.52E-07	2.05E-05	6.30E-05
40	4154	374.875	1	4353	3963	556901	382427	0	-1.83E-06	3.84E-06	-2.75E-06	6.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	7374.958	3	62	56	556901	382427	0	-2.65E-05	5.96E-05	-4.02E-05	1.67E-04	8.40E-06	4.71E-07	3.68E-05	1.13E-04
40	4154	3624.875	1	16312	14653	556901	382427	0	-1.58E-05	3.30E-05	-2.61E-05	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	6624.958	3	62	56	556901	382427	0	-2.43E-05	5.48E-05	-3.63E-05	1.51E-04	7.52E-06	4.18E-07	3.31E-05	1.01E-04
40	4154	7874.958	3	62	56	556901	382427	0	-2.80E-05	6.27E-05	-4.28E-05	1.79E-04	8.98E-05	5.06E-07	3.93E-05	1.21E-04
40	4154	7374.875	1	2833	2580	556901	382427	0	-2.93E-05	5.95E-05	-5.21E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	874.875	1	7967	7254	556901	382427	0	-4.20E-06	8.80E-06	-6.39E-06	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	1624.875	1	72906	66384	556901	382427	0	-7.59E-06	1.59E-05	-1.18E-05	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	2124.875	1	81124	73866	556901	382427	0	-9.75E-06	2.04E-05	-1.54E-05	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	8124.938	2	228	208	556901	382427	0	-3.02E-05	6.42E-05	-5.06E-05	1.63E-04	8.42E-06	6.97E-07	4.04E-05	1.17E-04
40	4154	2124.938	2	16160	14714	556901	382427	0	-9.36E-06	2.04E-05	-1.37E-05	4.33E-05	2.12E-06	1.72E-07	1.05E-05	3.08E-05
40	4154	4624.875	1	11005	10021	556901	382427	0	-1.96E-05	4.07E-05	-3.31E-05	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	2374.875	1	59337	54029	556901	382427	0	-1.08E-05	2.26E-05	-1.72E-05	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	8874.875	1	1248	1136	556901	382427	0	-3.42E-06	6.85E-06	-6.22E-06	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	4624.958	3	62	56	556901	382427	0	-1.79E-05	4.08E-05	-2.57E-05	1.06E-04	5.20E-06	2.84E-07	2.30E-05	7.07E-05
40	4154	3124.938	2	13205	12023	556901	382427	0	-1.33E-05	2.90E-05	-2.00E-05	6.34E-05	3.15E-06	2.55E-07	1.55E-05	4.50E-05
40	4154	3374.938	2	16077	14638	556901	382427	0	-1.42E-06	3.10E-05	-2.16E-05	6.85E-05	3.41E-06	2.76E-07	1.67E-05	4.86E-05
40	4154	3124.958	3	783	713	556901	382427	0	-1.27E-05	2.90E-05	-1.75E-05	7.17E-05	3.48E-06	1.89E-07	1.56E-05	4.77E-05
40	4154	6124.875	1	3936	3584	556901	382427	0	-2.50E-05	5.14E-05	-4.35E-05	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	4374.875	2	10995	10011	556901	382427	0	-1.79E-05	3.89E-05	-2.78E-05	8.65E-05	4.48E-06	3.61E-07	2.17E-05	6.30E-05
40	4154	2874.938	2	11890	10826	556901	382427	0	-1.23E-05	2.69E-05	-1.85E-05	5.84E-05	2.89E-06	2.34E-07	1.42E-05	4.14E-05
40	4154	7124.875	1	2160	1967	556901	382427	0	-2.85E-05	5.79E-05	-5.04E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	4124.938	2	12799	11654	556901	382427	0	-1.70E-05	3.70E-05	-2.63E-05	8.35E-05	4.19E-06	3.40E-07	2.04E-05	5.94E-05
40	4154	7874.875	1	728	663	556901	382427	0	-3.09E-05	6.26E-05	-5.55E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	5374.938	2	2570	2340	556901	382427	0	-2.14E-05	4.62E-05	-3.40E-05	1.08E-04	5.51E-06	4.48E-07	2.86E-05	7.74E-05
40	4154	8124.875	1	551	502	556901	382427	0	-3.18E-05	6.41E-05	-5.72E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	1624.958	3	253	230	556901	382427	0	-6.99E-06	1.59E-05	-9.18E-06	3.74E-05	1.78E-06	9.64E-08	8.08E-06	2.48E-05
40	4154	1374.958	3	690	628	556901	382427	0	-5.98E-06	1.36E-05	-7.78E-06	3.17E-05	1.50E-06	8.13E-08	6.83E-06	2.10E-05
40	4154	6874.938	2	1103	1004	556901	382427	0	-2.83E-05	5.64E-05	-4.32E-05	1.38E-04	7.09E-06	5.82E-07	3.41E-05	9.90E-05
40	4154	2374.958	3	312	284	556901	382427	0	-9.92E-06	2.26E-05	-1.34E-05	5.46E-05	2.62E-06	1.42E-07	1.18E-05	3.63E-05
40	4154	1874.958	3	1567	1427	556901	382427	0	-7.98E-06	1.82E-05	-1.06E-05	4.31E-05	2.05E-06	1.12E-07	9.32E-06	2.86E-05
40	4154	2124.958	3	357	325	556901	382427	0	-8.96E-06	2.04E-05	-1.20E-05	4.89E-05	2.34E-06	1.27E-07	1.06E-05	3.24E-05
40	4154	8374.875	1	1748	1591	556901	382427	0	-3.26E-05	6.56E-05	-5.89E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	7624.938	2	450	410	556901	382427	0	-2.87E-05	6.11E-05	-4.77E-05	1.53E-04	7.89E-06	6.51E-07	3.79E-05	1.10E-04
40	4154	3874.938	2	17204	15665	556901	382427	0	-1.61E-05	3.50E-05	-2.47E-05	7.85E-05	3.93E-06	3.19E-07	1.92E-05	5.58E-05
40	4154	7624.875	1	1630	1484	556901	382427	0	-3.01E-05	6.11E-05	-5.38E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	2624.958	3	638	581	556901	382427	0	-1.99E-05	2.48E-05	-1.47E-05	6.03E-05	2.91E-06	1.57E-07	1.31E-05	4.01E-05
40	4154	2624.875	1	55366	50413	556901	382427	0	-1.18E-05	2.48E-05	-1.90E-05	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	9124.875	1	478	435	556901	382427	0	-3.49E-05	6.99E-05	-6.39E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	9874.875	1	166	151	556901	382427	0	-3.73E-05	7.41E-05	-6.89E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	8874.938	2	93	85	556901	382427	0	-3.25E							

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
40	4154	5124.958	3	72	66	556901	382427	0	-1.96E-05	4.45E-05	-2.83E-05	1.17E-04	5.78E-06	3.16E-07	2.55E-05	7.83E-05
40	4154	6374.875	1	3621	3297	556901	382427	0	-2.59E-05	5.31E-05	-4.53E-05	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	8624.875	1	603	549	556901	382427	0	-3.34E-05	6.70E-05	-6.06E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	4154	1874.875	1	87926	80060	556901	382427	0	-8.68E-05	1.82E-05	-1.36E-05	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5624.938	2	24229	0	1124070	297689	0	-4.73E-05	8.32E-05	-8.50E-05	2.75E-04	1.65E-06	1.59E-05	5.64E-05	1.94E-04
51	2004	5124.938	2	55708	0	1124070	297689	0	-4.39E-05	7.74E-05	-7.78E-05	2.50E-04	1.52E-06	1.45E-05	5.14E-05	1.77E-04
51	2004	3874.938	2	125170	0	1124070	297689	0	-3.48E-05	6.19E-05	-5.94E-05	1.90E-04	1.18E-06	1.09E-05	3.88E-05	1.34E-04
51	2004	5124.875	1	16040	0	1124070	297689	0	-4.78E-05	7.63E-05	-8.91E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	9374.875	1	88	0	1124070	297689	0	-8.01E-05	1.19E-04	-1.58E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	10124.88	1	35	0	1124070	297689	0	-8.56E-05	1.25E-04	-1.70E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5374.875	1	11822	0	1124070	297689	0	-4.97E-05	7.92E-05	-9.32E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	9624.875	1	115	0	1124070	297689	0	-8.20E-05	1.21E-04	-1.62E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1124.938	2	257591	0	1124070	297689	0	-1.14E-05	2.07E-05	-1.76E-05	5.55E-05	3.65E-07	3.17E-06	1.13E-05	3.88E-05
51	2004	1874.938	2	151172	0	1124070	297689	0	-1.83E-05	3.31E-05	-2.92E-05	9.23E-05	5.98E-07	5.28E-06	1.88E-05	6.47E-05
51	2004	1374.938	2	305961	0	1124070	297689	0	-1.37E-05	2.49E-05	-2.15E-05	6.78E-05	4.43E-07	3.87E-06	1.38E-05	4.74E-05
51	2004	3624.938	2	116069	0	1124070	297689	0	-3.28E-05	5.86E-05	-5.57E-05	1.78E-04	1.11E-06	1.02E-05	3.63E-05	1.25E-04
51	2004	874.9375	2	124293	0	1124070	297689	0	-8.95E-06	1.63E-05	-1.37E-05	4.32E-05	2.85E-07	2.46E-06	8.75E-06	3.02E-05
51	2004	6624.938	2	4493	0	1124070	297689	0	-5.42E-05	9.41E-05	-9.94E-05	3.23E-04	3.04E-06	1.87E-05	6.65E-05	2.29E-04
51	2004	6124.875	1	4776	0	1124070	297689	0	-6.55E-05	8.74E-05	-1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4124.938	2	128689	0	1124070	297689	0	-3.67E-05	6.51E-05	-6.31E-05	2.02E-04	1.25E-06	1.16E-05	4.14E-05	1.42E-04
51	2004	5874.875	1	6788	0	1124070	297689	0	-5.35E-05	8.47E-05	-1.02E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3124.938	2	96049	0	1124070	297689	0	-2.89E-05	5.17E-05	-4.82E-05	1.53E-04	9.63E-07	8.81E-06	3.13E-05	1.08E-04
51	2004	4624.938	2	104078	0	1124070	297689	0	-4.03E-05	7.14E-05	-7.04E-05	2.26E-04	1.39E-06	1.30E-05	4.64E-05	1.60E-04
51	2004	1624.958	3	1674	0	1124070	297689	0	-1.48E-05	2.94E-05	-2.17E-05	8.93E-05	1.58E-06	4.44E-06	1.59E-05	5.84E-05
51	2004	5624.875	1	8977	0	1124070	297689	0	-5.16E-05	8.20E-05	-9.74E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	9874.875	1	115	0	1124070	297689	0	-8.38E-05	1.23E-04	-1.66E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6124.858	3	62	0	1124070	297689	0	-4.60E-05	9.01E-05	-7.87E-05	3.33E-04	5.75E-06	1.68E-05	6.02E-05	2.21E-04
51	2004	2624.938	2	90989	0	1124070	297689	0	-2.48E-05	4.46E-05	-4.06E-05	1.29E-04	8.23E-07	7.39E-06	2.63E-05	9.05E-05
51	2004	6374.938	2	7337	0	1124070	297689	0	-5.24E-05	9.15E-05	-9.58E-05	3.11E-04	2.92E-06	1.80E-05	6.40E-05	2.20E-04
51	2004	4874.938	2	80150	0	1124070	297689	0	-4.21E-05	7.44E-05	-7.41E-05	2.38E-04	1.45E-06	1.38E-05	4.89E-05	1.68E-04
51	2004	3124.958	3	1471	0	1124070	297689	0	-2.55E-05	5.24E-05	-4.13E-05	1.71E-04	3.00E-06	8.55E-06	3.07E-05	1.12E-04
51	2004	2874.938	2	89624	0	1124070	297689	0	-2.68E-05	4.82E-05	-4.44E-05	1.41E-04	8.97E-07	8.10E-06	2.88E-05	9.92E-05
51	2004	7374.938	2	912	0	1124070	297689	0	-5.93E-05	1.02E-04	-1.10E-04	3.58E-04	3.37E-06	2.08E-05	7.41E-05	2.55E-04
51	2004	2374.938	2	96297	0	1124070	297689	0	-2.27E-05	4.08E-05	-3.68E-05	1.17E-04	7.49E-07	6.69E-06	2.38E-05	8.19E-05
51	2004	5874.938	2	17033	0	1124070	297689	0	-4.90E-05	8.60E-05	-8.86E-05	2.87E-04	1.71E-06	1.66E-05	5.90E-05	2.03E-04
51	2004	3374.938	2	104273	0	1124070	297689	0	-3.09E-05	5.52E-05	-5.19E-05	1.66E-04	1.04E-06	9.51E-06	3.38E-05	1.16E-04
51	2004	1624.938	2	224809	0	1124070	297689	0	-1.60E-05	2.91E-05	-2.53E-05	8.01E-05	5.21E-07	4.57E-06	1.63E-05	5.60E-05
51	2004	5124.958	3	186	0	1124070	297689	0	-4.00E-05	7.85E-05	-6.65E-05	2.79E-04	4.85E-06	1.40E-05	5.03E-05	1.84E-04
51	2004	2874.875	1	276875	0	1124070	297689	0	-2.91E-05	4.76E-05	-5.08E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3874.875	1	56559	0	1124070	297689	0	-3.77E-05	6.10E-05	-6.79E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	2624.875	1	350857	0	1124070	297689	0	-2.68E-05	4.40E-05	-4.64E-05	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4874.875	1	21561	0	1124070	297689	0	-4.58E-05	7.34E-05	-8.49E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4374.875	1	35165	0	1124070	297689	0	-4.18E-05	6.73E-05	-7.64E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	874.875	1	147158	0	1124070	297689	0	-9.62E-06	1.61E-05	-1.57E-05	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6874.875	1	1834	0	1124070	297689	0	-6.13E-05	9.52E-05	-1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	9124.938	2	44	0	1124070	297689	0	-7.11E-05	1.18E-04	-1.34E-04	4.41E-04	4.12E-06	2.58E-05	9.18E-05	3.15E-04
51	2004	1124.875	1	117345	0	1124070	297689	0	-1.22E-05	2.05E-05	-2.01E-05	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1124.958	3	2835	0	1124070	297689	0	-1.05E-05	2.09E-05	-1.51E-05	6.19E-05	1.10E-06	3.07E-06	1.10E-05	4.05E-05
51	2004	9624.938	2	26	0	1124070	297689	0	-7.44E-05	1.23E-04	-1.41E-04	4.65E-04	4.33E-06	2.72E-05	9.68E-05	3.32E-04
51	2004	2374.875	1	372747	0	1124070	297689	0	-2.45E-05	4.03E-05	-4.21E-05	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4624.875	1	28571	0	1124070	297689	0	-4.38E-05	7.04E-05	-8.07E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3624.875	1	80079	0	1124070	297689	0	-3.56E-05	5.78E-05	-6.37E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4124.875	1	45011	0	1124070	297689	0	-3.95E-05	6.42E-05	-7.22E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5374.938	2	38426	0	1124070	297689	0	-4.56E-05	8.03E-05	-8.14E-05	2.63E-04	1.58E-06	1.52E-05	5.39E-05	1.86E-04
51	2004	8124.938	2	230	0	1124070	297689	0	-6.44E-05	1.09E-04	-1.20E-04	3.94E-04	3.70E-06	2.30E-05	8.17E-05	2.81E-04
51	2004	1374.875	1	114358	0	1124070	297689	0	-1.48E-05	2.46E-05	-2.45E-05	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6374.875	1	3438	0	1124070	297689	0	-5.74E-05	9.01E-05	-1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	9124.875	1	168	0	1124070	297689	0	-7.83E-05	1.16E-04	-1.54E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3124.875	1	190796	0	1124070	297689	0	-3.13E-05	5.11E-05	-5.51E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3374.875	1	120544	0	1124070	297689	0	-3.35E-05	5.45E-05	-5.94E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	7124.938	2	1488	0	1124070	297689	0	-5.76E-05	9.93E-05	-1.06E-04	3.46E-04	3.26E-06	2.01E-05	7.16E-05	2.46E-04
51	2004	7124.875	1	1417	0	1124070	297689	0	-6.32E-05	9.77E-05	-1.22E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	499.9583	3	2791	0	1124070	297689	0	-4.83E-06	9.64E-06	-6.73E-06	2.75E-05	4.90E-07	1.37E-06	4.90E-06	1.80E-05
51	2004	374.9375	2	43744	0	1124070	297689	0	-3.94E-06	7.20E-06	-5.91E-06	1.85E-05	1.45E-07	1.05E-06	3.75E-06	1.29E-05
51	2004	374.875	1	147636	0	1124070	297689	0	-4.23E-06	7.12E-06	-6.74E-06	1.64E-05	0.00E+00	0.00E+		

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
51	2004	4374.875	1	28967	0	1124070	297689	0	-4.18E-05	6.73E-05	-7.64E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	8374.938	2	156	0	1124070	297689	0	-6.61E-05	1.12E-04	-1.24E-04	4.06E-04	3.81E-06	2.37E-05	8.42E-05	2.89E-04
51	2004	2124.938	2	117034	0	1124070	297689	0	-2.05E-05	3.70E-05	-3.30E-05	1.05E-04	6.74E-07	5.98E-06	2.13E-05	7.33E-05
51	2004	2624.958	3	2085	0	1124070	297689	0	-2.28E-05	4.51E-05	-3.48E-05	1.44E-04	2.53E-06	7.18E-06	2.57E-05	9.44E-05
51	2004	3124.938	2	111977	0	1124070	297689	0	-2.89E-05	5.17E-05	-4.82E-05	1.53E-04	6.69E-07	8.81E-06	3.13E-05	1.08E-04
51	2004	5874.938	2	7194	0	1124070	297689	0	-4.90E-05	8.60E-05	-8.86E-05	2.87E-04	1.71E-06	1.66E-05	5.90E-05	2.03E-04
51	2004	6374.938	2	3006	0	1124070	297689	0	-5.24E-05	9.15E-05	-9.58E-05	3.11E-04	2.92E-06	1.80E-05	6.40E-05	2.20E-04
51	2004	6874.938	2	799	0	1124070	297689	0	-5.59E-05	9.67E-05	-1.03E-04	3.34E-04	3.15E-06	1.94E-05	6.90E-05	2.37E-04
51	2004	6824.938	2	1702	0	1124070	297689	0	-5.42E-05	9.41E-05	-9.94E-05	3.23E-04	3.04E-06	1.87E-05	6.65E-05	2.29E-04
51	2004	4874.938	2	42408	0	1124070	297689	0	-4.21E-05	7.44E-05	-7.41E-05	2.38E-04	1.45E-06	1.38E-05	4.89E-05	1.68E-04
51	2004	1374.958	3	3510	0	1124070	297689	0	-1.27E-05	2.52E-05	-1.84E-05	7.56E-05	1.34E-06	3.76E-06	1.35E-05	4.94E-05
51	2004	1124.958	3	2354	0	1124070	297689	0	-1.05E-05	2.09E-05	-1.51E-05	6.19E-05	1.10E-06	3.07E-06	1.10E-05	4.05E-05
51	2004	8624.938	2	86	0	1124070	297689	0	-6.78E-05	1.14E-04	-1.27E-04	4.18E-04	3.91E-06	2.44E-05	8.67E-05	2.99E-04
51	2004	499.9583	3	2041	0	1124070	297689	0	-4.83E-06	9.64E-06	-6.76E-06	2.75E-05	4.90E-07	1.37E-06	4.90E-06	1.80E-05
51	2004	2124.958	3	2832	0	1124070	297689	0	-1.89E-05	3.75E-05	-2.83E-05	1.17E-04	2.06E-06	5.81E-06	2.08E-05	7.64E-05
51	2004	8874.938	2	34	0	1124070	297689	0	-6.95E-05	1.16E-04	-1.31E-04	4.29E-04	4.02E-06	2.51E-05	8.92E-05	3.06E-04
51	2004	1874.958	3	2893	0	1124070	297689	0	-1.69E-05	3.35E-05	-2.50E-05	1.03E-04	1.82E-06	5.13E-06	1.84E-05	6.74E-05
51	2004	7124.938	2	538	0	1124070	297689	0	-5.76E-05	9.93E-05	-1.06E-04	3.46E-04	3.26E-06	2.01E-05	7.16E-05	2.46E-04
51	2004	8124.938	2	121	0	1124070	297689	0	-6.44E-05	1.09E-04	-1.20E-04	3.94E-04	3.70E-06	2.30E-05	8.17E-05	2.81E-04
51	2004	4124.938	2	118389	0	1124070	297689	0	-3.67E-05	6.51E-05	-6.31E-05	2.02E-04	1.25E-06	1.16E-05	4.14E-05	1.42E-04
51	2004	8374.938	2	194	0	1124070	297689	0	-6.81E-05	1.12E-04	-1.24E-04	4.06E-04	3.81E-06	2.37E-05	8.42E-05	2.89E-04
51	2004	7624.938	2	726	0	1124070	297689	0	-6.11E-05	1.04E-04	-1.14E-04	3.70E-04	3.48E-06	2.16E-05	7.66E-05	2.63E-04
51	2004	6374.958	3	62	0	1124070	297689	0	-4.74E-05	9.28E-05	-8.18E-05	3.47E-04	5.97E-06	1.75E-05	6.27E-05	2.30E-04
51	2004	3624.958	3	1400	0	1124070	297689	0	-3.01E-05	5.94E-05	-4.76E-05	1.98E-04	3.47E-06	9.92E-06	3.55E-05	1.30E-04
51	2004	8624.875	1	221	0	1124070	297689	0	-7.46E-05	1.12E-04	-1.46E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	7874.875	1	638	0	1124070	297689	0	-6.90E-05	1.05E-04	-1.34E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3874.958	3	1107	0	1124070	297689	0	-3.18E-05	6.27E-05	-5.08E-05	2.12E-04	3.70E-06	1.06E-05	3.80E-05	1.39E-04
51	2004	6124.938	2	11246	0	1124070	297689	0	-5.07E-05	8.87E-05	-9.22E-05	2.99E-04	1.77E-06	1.73E-05	6.15E-05	2.11E-04
51	2004	4124.958	3	691	0	1124070	297689	0	-3.35E-05	6.63E-05	-5.40E-05	2.25E-04	3.93E-06	1.13E-05	4.05E-05	1.48E-04
51	2004	8624.938	2	70	0	1124070	297689	0	-6.78E-05	1.14E-04	-1.27E-04	4.18E-04	3.91E-06	2.44E-05	8.67E-05	2.99E-04
51	2004	2124.938	2	111584	0	1124070	297689	0	-2.05E-05	3.70E-05	-3.30E-05	1.05E-04	6.74E-07	5.98E-06	2.13E-05	7.33E-05
51	2004	1624.958	3	2328	0	1124070	297689	0	-1.48E-05	2.94E-05	-2.17E-05	8.93E-05	1.58E-06	4.44E-06	1.59E-05	5.84E-05
51	2004	2374.958	3	886	0	1124070	297689	0	-2.09E-05	4.13E-05	-3.16E-05	1.30E-04	2.29E-06	6.49E-06	2.33E-05	8.54E-05
51	2004	1624.938	2	207438	0	1124070	297689	0	-1.60E-05	2.91E-05	-2.53E-05	8.01E-05	5.21E-07	4.57E-06	1.63E-05	5.60E-05
51	2004	3124.958	3	1407	0	1124070	297689	0	-2.65E-05	5.24E-05	-1.13E-05	1.71E-04	3.00E-06	8.55E-06	3.07E-05	1.12E-04
51	2004	2374.938	2	95173	0	1124070	297689	0	-2.27E-05	4.08E-05	-3.68E-05	1.17E-04	7.49E-07	6.69E-06	2.38E-05	8.19E-05
51	2004	2874.938	2	97606	0	1124070	297689	0	-2.69E-05	4.82E-05	-4.44E-05	1.41E-04	8.97E-07	8.10E-06	2.88E-05	9.92E-05
51	2004	2624.938	2	89682	0	1124070	297689	0	-2.48E-05	4.46E-05	-4.06E-05	1.29E-04	8.23E-07	7.39E-06	2.63E-05	9.05E-05
51	2004	6124.938	2	3544	0	1124070	297689	0	-5.07E-05	8.87E-05	-9.22E-05	2.99E-04	1.77E-06	1.73E-05	6.15E-05	2.11E-04
51	2004	4374.938	2	93201	0	1124070	297689	0	-3.85E-05	6.83E-05	-6.68E-05	2.14E-04	1.32E-06	1.23E-05	4.39E-05	1.51E-04
51	2004	5374.938	2	17550	0	1124070	297689	0	-4.56E-05	8.93E-05	-8.14E-05	2.63E-04	1.58E-06	1.52E-05	5.39E-05	1.86E-04
51	2004	6874.958	3	208	0	1124070	297689	0	-5.05E-05	9.82E-05	-8.78E-05	3.73E-04	7.69E-06	1.89E-05	6.76E-05	2.48E-04
51	2004	5874.958	3	62	0	1124070	297689	0	-4.45E-05	8.73E-05	-7.57E-05	3.20E-04	5.52E-06	1.61E-05	5.77E-05	2.12E-04
51	2004	3624.938	2	139007	0	1124070	297689	0	-3.28E-05	5.86E-05	-5.57E-05	1.78E-04	1.11E-06	1.02E-05	3.63E-05	1.25E-04
51	2004	3874.938	2	138981	0	1124070	297689	0	-3.48E-05	6.19E-05	-5.94E-05	1.90E-04	1.18E-06	1.09E-05	3.88E-05	1.34E-04
51	2004	3874.875	1	61949	0	1124070	297689	0	-3.77E-05	6.10E-05	-6.79E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5124.938	2	24684	0	1124070	297689	0	-4.39E-05	7.74E-05	-7.78E-05	2.50E-04	1.52E-06	1.45E-05	5.14E-05	1.77E-04
51	2004	5624.958	3	62	0	1124070	297689	0	-4.30E-05	8.44E-05	-7.26E-05	3.06E-04	5.30E-06	1.54E-05	5.53E-05	2.03E-04
51	2004	5124.875	1	11816	0	1124070	297689	0	-4.78E-05	7.63E-05	-8.91E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1624.875	1	182736	0	1124070	297689	0	-1.73E-05	2.87E-05	-2.89E-05	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1124.875	1	255390	0	1124070	297689	0	-1.22E-05	2.05E-05	-2.01E-05	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4874.875	1	17045	0	1124070	297689	0	-4.58E-05	7.34E-05	-8.49E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	2374.875	1	284661	0	1124070	297689	0	-2.45E-05	4.03E-05	-4.21E-05	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6874.875	1	43	0	1124070	297689	0	-8.38E-05	1.23E-04	-1.66E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5874.958	3	208	0	1124070	297689	0	-4.45E-05	8.73E-05	-7.57E-05	3.20E-04	5.52E-06	1.61E-05	5.77E-05	2.12E-04
51	2004	5624.875	1	6594	0	1124070	297689	0	-5.16E-05	8.20E-05	-9.74E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	374.875	1	109370	0	1124070	297689	0	-4.23E-06	7.12E-06	-6.74E-06	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3624.875	1	99179	0	1124070	297689	0	-3.56E-05	5.78E-05	-6.37E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	2624.875	1	300031	0	1124070	297689	0	-2.88E-05	4.40E-05	-4.64E-05	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	874.875	1	274278	0	1124070	297689	0	-9.62E-06	1.61E-05	-1.57E-05	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4624.875	1	22755	0	1124070	297689	0	-4.38E-05	7.04E-05	-8.07E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1874.875	1	231340	0	1124070	297689	0	-1.97E-05	3.27E-05	-3.33E-05	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6874.938	2	2924	0	1124070	297689	0	-5.59E-05	9.67E-05	-1.03E-04	3.34E-04	3.15E-06	1.94E-05	6.90E-05	2.37E-04
51	2004	3374.958	3	1364	0	1124070	297689	0	-2.83E-05	5.59E-05	-4.45E-05	1.85E-04	3.23E-06	9.23E-06	3.31E-05	1.21E-04
51	2004	8874.875	1	310	0	1124070	297689	0	-7.64E-05	1.14E-04	-1.50E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
51	2004	1124.938	2	204631	0	1124070	297689	0	-1.14E-05	2.07E-05	-1.76E-05	5.55E-05	3.65E-07	3.17E-06	1.13E-05	3.88E-05
51	2004	374.9375	2	31695	0	1124070	297689	0	-3.94E-06	7.20E-06	-5.91E-06	1.85E-05	1.45E-07	1.05E-06	3.75E-06	1.29E-05
51	2004	4124.958	3	278	0	1124070	297689	0	-3.35E-05	6.60E-05	-5.40E-05	2.25E-04	3.93E-06	1.13E-05	4.05E-05	1.48E-04
51	2004	7874.875	1	278	0	1124070	297689	0	-6.90E-05	1.05E-04	-1.34E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	2874.875	1	248717	0	1124070	297689	0	-2.91E-05	4.76E-05	-5.08E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3374.958	3	1798	0	1124070	297689	0	-2.83E-05	5.59E-05	-4.45E-05	1.85E-04	3.23E-06	9.23E-06	3.31E-05	1.21E-04
51	2004	9624.875	1	121	0	1124070	297689	0	-8.20E-05	1.21E-04	-1.82E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	4374.958	3	634	0	1124070	297689	0	-3.52E-05	6.92E-05	-5.71E-05	2.39E-04	4.16E-05	1.20E-05	4.30E-05	1.57E-04
51	2004	5374.875	1	7411	0	1124070	297689	0	-4.97E-05	7.92E-05	-9.32E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	7624.875	1	373	0	1124070	297689	0	-6.71E-05	1.03E-04	-1.30E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	1374.938	2	237039	0	1124070	297689	0	-1.37E-05	2.49E-05	-2.15E-05	6.78E-05	4.43E-07	3.87E-06	1.38E-05	4.74E-05
51	2004	6624.875	1	1285	0	1124070	297689	0	-5.94E-05	9.27E-05	-1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6624.875	1	156	0	1124070	297689	0	-7.46E-05	1.12E-04	-1.46E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	2124.875	1	251323	0	1124070	297689	0	-2.21E-05	3.66E-05	-3.77E-05	9.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3124.875	1	199297	0	1124070	297689	0	-3.13E-05	5.11E-05	-5.51E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	3624.958	3	1303	0	1124070	297689	0	-3.01E-05	5.94E-05	-4.76E-05	1.98E-04	3.47E-06	9.92E-06	3.56E-05	1.30E-04
51	2004	4374.938	2	124470	0	1124070	297689	0	-3.85E-05	6.83E-05	-6.68E-05	2.14E-04	1.32E-06	1.23E-05	4.39E-05	1.51E-04
51	2004	6874.875	1	1120	0	1124070	297689	0	-6.13E-05	9.52E-05	-1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6124.875	1	3197	0	1124070	297689	0	-5.55E-05	8.74E-05	-1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	6374.875	1	1963	0	1124070	297689	0	-5.74E-05	9.01E-05	-1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	7124.875	1	721	0	1124070	297689	0	-6.32E-05	9.77E-05	-1.22E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	2004	5874.875	1	4239	0	1124070	297689	0	-5.35E-05	8.47E-05	-1.02E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6874.958	3	141	0	2140709	1110758	0	-1.16E-05	4.78E-05	-4.59E-05	1.70E-04	1.06E-06	4.52E-06	1.81E-05	8.60E-05
87	2811	2624.958	3	7956	0	2140709	1110758	0	-1.25E-05	3.91E-05	-1.87E-05	6.75E-05	3.73E-07	1.71E-06	6.68E-06	3.24E-05
87	2811	3874.958	3	26039	0	2140709	1110758	0	-1.31E-05	4.42E-05	-2.70E-05	9.82E-05	5.65E-07	2.53E-06	9.95E-06	4.81E-05
87	2811	4874.875	1	191696	0	2140709	1110758	0	-1.11E-05	4.65E-05	-4.50E-05	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4124.958	3	23536	0	2140709	1110758	0	-1.31E-05	4.49E-05	-2.86E-05	1.04E-04	6.05E-07	2.69E-06	1.06E-05	5.12E-05
87	2811	7124.958	3	462	0	2140709	1110758	0	-1.14E-05	4.76E-05	-4.74E-05	1.76E-04	1.11E-06	4.68E-06	1.88E-05	8.92E-05
87	2811	3374.958	3	16863	0	2140709	1110758	0	-1.30E-05	4.26E-05	-2.37E-05	8.60E-05	4.87E-07	2.20E-06	8.64E-06	4.18E-05
87	2811	3624.958	3	25923	0	2140709	1110758	0	-1.30E-05	4.35E-05	-2.53E-05	9.21E-05	5.26E-07	2.37E-06	9.29E-06	4.49E-05
87	2811	4874.958	3	13757	0	2140709	1110758	0	-1.19E-05	4.63E-05	-3.34E-05	1.23E-04	7.26E-07	3.19E-06	1.28E-05	6.07E-05
87	2811	4374.958	3	24358	0	2140709	1110758	0	-1.30E-05	4.54E-05	-3.02E-05	1.10E-04	6.45E-07	2.86E-06	1.13E-05	5.44E-05
87	2811	8124.938	2	243	0	2140709	1110758	0	-9.10E-06	4.76E-05	-6.29E-05	1.90E-04	2.46E-06	5.49E-06	2.30E-05	1.02E-04
87	2811	1374.938	2	432815	0	2140709	1110758	0	-9.57E-06	2.85E-05	-1.16E-05	3.42E-05	3.89E-07	9.15E-07	3.73E-06	1.68E-05
87	2811	5874.958	3	1398	0	2140709	1110758	0	-1.23E-05	4.73E-05	-3.97E-05	1.47E-04	8.92E-07	3.85E-06	1.54E-05	7.33E-05
87	2811	8124.875	1	1244	0	2140709	1110758	0	-7.66E-06	4.78E-05	-7.26E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7624.938	2	1001	0	2140709	1110758	0	-9.62E-06	4.78E-05	-5.94E-05	1.79E-04	2.30E-06	5.15E-06	2.16E-05	9.52E-05
87	2811	5124.958	3	8816	0	2140709	1110758	0	-1.27E-05	4.66E-05	-3.50E-05	1.29E-04	7.67E-07	3.35E-06	1.35E-05	6.38E-05
87	2811	7374.875	1	3157	0	2140709	1110758	0	-8.56E-06	4.80E-05	-6.84E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7374.958	3	78	0	2140709	1110758	0	-1.12E-05	4.76E-05	-4.89E-05	1.82E-04	1.15E-06	4.85E-06	1.94E-05	9.24E-05
87	2811	3374.938	2	396983	0	2140709	1110758	0	-1.24E-05	4.27E-05	-2.77E-05	8.18E-05	9.76E-07	2.26E-06	9.31E-06	4.16E-05
87	2811	5374.958	3	3670	0	2140709	1110758	0	-1.26E-05	4.69E-05	-3.66E-05	1.35E-04	8.08E-07	3.52E-06	1.41E-05	6.70E-05
87	2811	4624.958	3	18647	0	2140709	1110758	0	-1.29E-05	4.59E-05	-3.18E-05	1.16E-04	6.85E-07	3.02E-06	1.21E-05	5.75E-05
87	2811	2624.938	2	496867	0	2140709	1110758	0	-1.20E-05	3.92E-05	-2.17E-05	6.42E-05	7.53E-07	1.75E-06	7.20E-06	3.23E-05
87	2811	6874.875	1	8880	0	2140709	1110758	0	-9.14E-06	4.80E-05	-6.22E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7874.875	1	1309	0	2140709	1110758	0	-7.96E-06	4.79E-05	-7.05E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5624.958	3	2399	0	2140709	1110758	0	-1.25E-05	4.71E-05	-3.82E-05	1.41E-04	8.50E-07	3.69E-06	1.49E-05	7.02E-05
87	2811	7624.875	1	2104	0	2140709	1110758	0	-8.27E-06	4.80E-05	-6.84E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	8874.875	1	590	0	2140709	1110758	0	-6.72E-06	4.75E-05	-7.87E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	9124.875	1	231	0	2140709	1110758	0	-6.41E-06	4.74E-05	-8.07E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	8374.875	1	1001	0	2140709	1110758	0	-7.35E-06	4.77E-05	-7.46E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	9624.875	1	834	0	2140709	1110758	0	-7.04E-06	4.76E-05	-7.66E-05	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7124.875	1	518	0	2140709	1110758	0	-8.86E-06	4.80E-05	-6.43E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5624.875	1	1401	0	2140709	1110758	0	-1.05E-05	4.74E-05	-5.16E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6624.958	3	51	0	2140709	1110758	0	-1.18E-05	4.76E-05	-4.44E-05	1.65E-04	1.02E-06	4.35E-06	1.74E-05	8.28E-05
87	2811	4624.875	1	197343	0	2140709	1110758	0	-1.13E-05	4.61E-05	-4.28E-05	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6374.938	2	18993	0	2140709	1110758	0	-1.08E-05	4.77E-05	-5.04E-05	1.51E-04	1.90E-06	4.29E-06	1.80E-05	7.94E-05
87	2811	1874.938	2	587152	0	2140709	1110758	0	-1.09E-05	3.37E-05	-1.57E-05	4.63E-05	5.34E-07	1.25E-06	5.11E-06	2.30E-05
87	2811	7874.938	2	462	0	2140709	1110758	0	-9.37E-06	4.77E-05	-6.12E-05	1.84E-04	2.38E-06	5.32E-06	2.23E-05	9.84E-05
87	2811	374.875	1	746071	0	2140709	1110758	0	-3.86E-06	1.09E-05	-3.63E-06	9.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	874.875	1	762858	0	2140709	1110758	0	-7.23E-06	1.12E-05	-8.45E-06	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2374.958	3	6653	0	2140709	1110758	0	-1.22E-05	3.76E-05	-1.70E-05	6.12E-05	3.36E-07	1.54E-06	6.03E-06	2.93E-05
87	2811	2374.875	1	1151897	0	2140709	1110758	0	-1.13E-05	3.77E-05	-2.25E-05	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7124.938	2	2630	0	2140709	1110758	0	-1.01E-05	4.78E-05	-5.58E-05	1.68E-04	2.14E-06	4.81E-06	2.02E-05	8.89E-05
87	2811	874.9375	2	155479	0	2140709	1110758	0	-7.39E-06	2.12E-05	-7.42E-06	2.20E-05				

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
87	2811	6124.938	2	28631	0	2140709	1110758	0	-1.11E-05	4.76E-05	-4.86E-05	1.45E-04	1.82E-06	4.12E-06	1.73E-05	7.62E-05
87	2811	374.9375	2	221816	0	2140709	1110758	0	-3.92E-06	1.09E-05	-3.20E-06	9.47E-06	1.05E-07	2.49E-07	9.98E-07	4.52E-06
87	2811	1624.875	1	456339	0	2140709	1110758	0	-1.00E-05	3.14E-05	-1.56E-05	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3874.938	2	600474	0	2140709	1110758	0	-1.24E-05	4.43E-05	-3.16E-05	9.34E-05	1.13E-06	2.60E-06	1.09E-05	4.79E-05
87	2811	6124.958	3	359	0	2140709	1110758	0	-1.22E-05	4.74E-05	-4.13E-05	1.53E-04	9.35E-07	4.02E-06	1.61E-05	7.66E-05
87	2811	5624.958	3	3128	0	2140709	1110758	0	-1.25E-05	4.71E-05	-3.82E-05	1.41E-04	8.50E-07	3.69E-06	1.48E-05	7.02E-05
87	2811	7374.938	2	1386	0	2140709	1110758	0	-9.88E-06	4.78E-05	-5.76E-05	1.73E-04	2.22E-06	4.98E-06	2.09E-05	9.20E-05
87	2811	2374.958	3	3927	0	2140709	1110758	0	-1.22E-05	3.76E-05	-1.70E-05	6.12E-05	3.36E-07	1.54E-06	6.03E-06	2.93E-05
87	2811	6624.875	1	366	0	2140709	1110758	0	-7.04E-06	4.76E-05	-7.66E-05	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	8374.875	1	301	0	2140709	1110758	0	-7.35E-06	4.77E-05	-7.46E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	9124.875	1	196	0	2140709	1110758	0	-6.41E-06	4.74E-05	-8.07E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	8874.875	1	274	0	2140709	1110758	0	-6.72E-06	4.75E-05	-7.87E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7624.875	1	1243	0	2140709	1110758	0	-8.27E-06	4.80E-05	-6.84E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7374.875	1	1649	0	2140709	1110758	0	-8.56E-06	4.80E-05	-6.64E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	8124.875	1	523	0	2140709	1110758	0	-7.56E-06	4.78E-05	-7.26E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7874.875	1	785	0	2140709	1110758	0	-7.96E-06	4.79E-05	-7.05E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4874.875	1	168158	0	2140709	1110758	0	-1.11E-05	4.65E-05	-4.50E-05	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2624.958	3	8076	0	2140709	1110758	0	-1.25E-05	3.91E-05	-1.87E-05	6.75E-05	3.73E-07	1.71E-06	6.68E-06	3.24E-05
87	2811	2874.958	3	13849	0	2140709	1110758	0	-1.27E-05	4.04E-05	-2.04E-05	7.37E-05	4.11E-07	1.87E-06	7.33E-06	3.55E-05
87	2811	5124.875	1	136623	0	2140709	1110758	0	-1.09E-05	4.69E-05	-4.72E-05	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1874.875	1	415865	0	2140709	1110758	0	-1.05E-05	3.38E-05	-1.79E-05	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6124.958	3	327	0	2140709	1110758	0	-1.22E-05	4.74E-05	-4.13E-05	1.53E-04	9.35E-07	4.02E-06	1.61E-05	7.66E-05
87	2811	3124.958	3	17462	0	2140709	1110758	0	-1.29E-05	4.16E-05	-2.20E-05	7.98E-05	4.49E-07	2.04E-06	7.98E-06	3.86E-05
87	2811	8624.938	2	91	0	2140709	1110758	0	-8.57E-06	4.74E-05	-6.64E-05	2.01E-04	2.62E-06	5.83E-06	2.45E-05	1.08E-04
87	2811	8374.938	2	52	0	2140709	1110758	0	-8.84E-06	4.75E-05	-6.47E-05	1.96E-04	2.54E-06	5.68E-06	2.38E-05	1.05E-04
87	2811	9124.938	2	39	0	2140709	1110758	0	-8.03E-06	4.71E-05	-6.98E-05	2.12E-04	2.79E-06	6.18E-06	2.59E-05	1.14E-04
87	2811	8874.938	2	52	0	2140709	1110758	0	-8.30E-06	4.73E-05	-6.81E-05	2.07E-04	2.71E-06	6.01E-06	2.52E-05	1.11E-04
87	2811	499.9583	3	24950	0	2140709	1110758	0	-5.04E-06	1.38E-05	-3.68E-06	1.32E-05	6.76E-06	3.23E-07	1.24E-06	6.06E-06
87	2811	6874.958	3	78	0	2140709	1110758	0	-1.16E-05	4.76E-05	-4.59E-05	1.70E-04	1.06E-06	4.52E-06	1.81E-05	8.60E-05
87	2811	2124.958	3	5877	0	2140709	1110758	0	-1.19E-05	3.58E-05	-1.52E-05	5.50E-05	2.99E-07	1.38E-06	5.38E-06	2.61E-05
87	2811	5874.358	3	929	0	2140709	1110758	0	-1.33E-05	4.73E-05	-3.97E-05	1.47E-04	8.92E-07	3.85E-06	1.54E-05	7.33E-05
87	2811	2624.875	1	1170018	0	2140709	1110758	0	-1.15E-05	3.92E-05	-2.48E-05	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7374.938	2	1165	0	2140709	1110758	0	-9.88E-06	4.78E-05	-5.76E-05	1.73E-04	2.22E-06	4.98E-06	2.09E-05	9.20E-05
87	2811	7124.958	3	117	0	2140709	1110758	0	-1.14E-05	4.76E-05	-4.74E-05	1.76E-04	1.11E-06	4.68E-06	1.88E-05	8.92E-05
87	2811	1374.958	3	22150	0	2140709	1110758	0	-9.81E-06	2.84E-05	-9.93E-06	3.59E-05	1.90E-07	8.91E-07	3.45E-06	1.68E-05
87	2811	5374.958	3	9569	0	2140709	1110758	0	-1.26E-05	4.69E-05	-3.66E-05	1.35E-04	8.08E-07	3.52E-06	1.41E-05	6.70E-05
87	2811	1374.875	1	400602	0	2140709	1110758	0	-9.32E-06	2.85E-05	-1.32E-05	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5874.875	1	63269	0	2140709	1110758	0	-1.02E-05	4.78E-05	-5.37E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5124.875	1	172035	0	2140709	1110758	0	-1.09E-05	4.69E-05	-4.72E-05	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2124.958	3	7623	0	2140709	1110758	0	-1.18E-05	3.58E-05	-1.52E-05	5.50E-05	2.99E-07	1.38E-06	5.38E-06	2.61E-05
87	2811	6624.875	1	13398	0	2140709	1110758	0	-9.42E-06	4.80E-05	-6.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2874.958	3	11768	0	2140709	1110758	0	-1.27E-05	4.04E-05	-2.04E-05	7.37E-05	4.11E-07	1.87E-06	7.33E-06	3.55E-05
87	2811	6124.875	1	33393	0	2140709	1110758	0	-9.96E-06	4.78E-05	-5.58E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5374.875	1	22484	0	2140709	1110758	0	-9.70E-06	4.75E-05	-5.80E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7624.958	3	179	0	2140709	1110758	0	-1.10E-05	4.76E-05	-5.04E-05	1.88E-04	1.20E-06	5.02E-06	2.01E-05	9.55E-05
87	2811	1624.958	3	12807	0	2140709	1110758	0	-1.06E-05	3.13E-05	-1.18E-05	4.23E-05	2.26E-07	1.05E-06	4.09E-06	1.99E-05
87	2811	5624.875	1	69143	0	2140709	1110758	0	-1.05E-05	4.74E-05	-5.16E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1124.958	3	29337	0	2140709	1110758	0	-8.81E-06	2.51E-05	-8.20E-06	2.95E-05	1.55E-07	7.28E-07	2.81E-06	1.37E-05
87	2811	8124.938	2	209	0	2140709	1110758	0	-9.10E-06	4.76E-05	-6.29E-05	1.90E-04	2.46E-06	5.49E-06	2.30E-05	1.02E-04
87	2811	1874.958	1	572278	0	2140709	1110758	0	-1.06E-05	3.38E-05	-1.79E-05	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5374.875	1	126411	0	2140709	1110758	0	-1.07E-05	4.72E-05	-4.94E-05	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	7124.875	1	2857	0	2140709	1110758	0	-8.86E-06	4.80E-05	-6.43E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1374.958	3	21664	0	2140709	1110758	0	-9.81E-06	2.84E-05	-9.98E-06	3.59E-05	1.90E-07	8.91E-07	3.45E-06	1.68E-05
87	2811	1124.958	3	28707	0	2140709	1110758	0	-8.81E-06	2.51E-05	-8.20E-06	2.95E-05	1.55E-07	7.28E-07	2.81E-06	1.37E-05
87	2811	1874.958	3	9883	0	2140709	1110758	0	-1.13E-05	3.37E-05	-1.35E-05	4.86E-05	2.62E-07	1.22E-06	4.73E-06	2.30E-05
87	2811	1624.958	3	13260	0	2140709	1110758	0	-1.06E-05	3.13E-05	-1.18E-05	4.23E-05	2.26E-07	1.05E-06	4.09E-06	1.99E-05
87	2811	7874.958	3	52	0	2140709	1110758	0	-1.08E-05	4.75E-05	-5.18E-05	1.94E-04	1.24E-06	5.19E-06	2.08E-05	9.87E-05
87	2811	8124.958	3	13	0	2140709	1110758	0	-1.06E-05	4.74E-05	-5.33E-05	2.00E-04	1.29E-06	5.35E-06	2.14E-05	1.02E-04
87	2811	6374.875	1	13574	0	2140709	1110758	0	-9.70E-06	4.79E-05	-5.80E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6124.875	1	25303	0	2140709	1110758	0	-9.96E-06	4.78E-05	-5.58E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5874.875	1	4267	0	2140709	1110758	0	-9.14E-06	4.80E-05	-6.22E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	6624.875	1	8024	0	2140709	1110758	0	-9.42E-06	4.80E-05	-6.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	5374.875	1	103230	0	2140709	1110758	0	-1.07E-05	4.72E-05	-4.94E-05	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1874.958	3	10433	0	2140709	1110758	0	-1.13E-05	3.37E-05	-1.35E-05	4.86E-05	2.62E-07	1.22E-06	4.73E-06	2.30E-05
87	2811	2874.875	1	943053	0	2140709	1110758	0	-1.17E-05	4.06E-05	-2					

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
87	2811	4624.958	3	17920	0	2140709	1110758	0	-1.29E-05	4.59E-05	-3.18E-05	1.16E-04	6.85E-07	3.02E-06	1.21E-05	5.75E-05
87	2811	4374.958	3	21153	0	2140709	1110758	0	-1.30E-05	4.54E-05	-3.02E-05	1.10E-04	6.45E-07	2.86E-06	1.13E-05	5.44E-05
87	2811	5124.958	3	13613	0	2140709	1110758	0	-1.27E-05	4.66E-05	-3.50E-05	1.29E-04	7.67E-07	3.35E-06	1.35E-05	6.38E-05
87	2811	4874.958	3	16297	0	2140709	1110758	0	-1.29E-05	4.63E-05	-3.34E-05	1.23E-04	7.26E-07	3.19E-06	1.28E-05	6.07E-05
87	2811	3624.958	3	28000	0	2140709	1110758	0	-1.30E-05	4.35E-05	-2.53E-05	9.21E-05	5.26E-07	2.37E-06	9.29E-06	4.49E-05
87	2811	3374.958	3	23536	0	2140709	1110758	0	-1.30E-05	4.26E-05	-2.37E-05	8.60E-05	4.87E-07	2.20E-06	8.64E-06	4.18E-05
87	2811	4124.958	3	27267	0	2140709	1110758	0	-1.31E-05	4.49E-05	-2.86E-05	1.04E-04	6.05E-07	2.69E-06	1.06E-05	5.12E-05
87	2811	2374.938	2	537422	0	2140709	1110758	0	-1.18E-05	3.76E-05	-1.97E-05	5.83E-05	6.80E-07	1.59E-06	6.50E-06	2.92E-05
87	2811	5124.938	2	178918	0	2140709	1110758	0	-1.18E-05	4.68E-05	-4.11E-05	1.22E-04	1.51E-06	3.44E-06	1.45E-05	6.36E-05
87	2811	3124.938	2	376032	0	2140709	1110758	0	-1.23E-05	4.17E-05	-2.57E-05	7.60E-05	9.01E-07	2.09E-06	8.61E-06	3.85E-05
87	2811	6624.938	2	7160	0	2140709	1110758	0	-1.06E-05	4.78E-05	-5.22E-05	1.56E-04	1.98E-05	4.46E-06	1.88E-05	8.25E-05
87	2811	6374.938	2	10302	0	2140709	1110758	0	-1.08E-05	4.77E-05	-5.04E-05	1.51E-04	1.90E-06	4.29E-06	1.80E-05	7.94E-05
87	2811	7124.938	2	2199	0	2140709	1110758	0	-1.01E-05	4.78E-05	-5.58E-05	1.68E-04	2.14E-06	4.81E-06	2.02E-05	8.89E-05
87	2811	6874.938	2	4581	0	2140709	1110758	0	-1.04E-05	4.78E-05	-5.40E-05	1.62E-04	2.06E-06	4.63E-06	1.95E-05	8.57E-05
87	2811	3874.938	2	613897	0	2140709	1110758	0	-1.24E-05	4.43E-05	-3.16E-05	9.34E-05	1.13E-06	2.60E-06	1.03E-05	4.79E-05
87	2811	874.9375	2	148706	0	2140709	1110758	0	-7.39E-06	2.12E-05	-7.42E-06	2.20E-05	2.46E-07	5.81E-07	2.35E-06	1.06E-05
87	2811	374.9375	2	198148	0	2140709	1110758	0	-3.92E-06	1.09E-05	-3.20E-06	9.47E-06	1.05E-07	2.49E-07	9.98E-07	4.52E-06
87	2811	1374.938	2	469353	0	2140709	1110758	0	-9.57E-06	2.85E-05	-1.16E-05	3.42E-05	3.89E-07	9.15E-07	3.73E-06	1.69E-05
87	2811	1124.938	2	307845	0	2140709	1110758	0	-8.60E-06	2.51E-05	-9.52E-06	2.81E-05	3.18E-07	7.48E-07	3.04E-06	1.37E-05
87	2811	7624.938	2	497	0	2140709	1110758	0	-9.62E-06	4.78E-05	-5.94E-05	1.79E-04	2.30E-06	5.15E-06	2.16E-05	9.52E-05
87	2811	9374.875	1	104	0	2140709	1110758	0	-6.09E-06	4.72E-05	-8.27E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2624.875	1	1280365	0	2140709	1110758	0	-1.15E-05	3.92E-05	-2.48E-05	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1624.938	2	621345	0	2140709	1110758	0	-1.03E-05	3.13E-05	-1.37E-05	4.03E-05	4.61E-07	1.08E-06	4.42E-06	1.99E-05
87	2811	7874.938	2	366	0	2140709	1110758	0	-9.37E-06	4.77E-05	-6.12E-05	1.84E-04	2.38E-06	5.32E-06	2.23E-05	9.84E-05
87	2811	2874.938	2	394882	0	2140709	1110758	0	-1.22E-05	4.05E-05	-2.37E-05	7.01E-05	8.27E-07	1.92E-06	7.90E-06	3.54E-05
87	2811	3374.938	2	428983	0	2140709	1110758	0	-1.24E-05	4.27E-05	-2.77E-05	8.18E-05	9.76E-07	2.26E-06	9.31E-06	4.16E-05
87	2811	1874.938	2	649594	0	2140709	1110758	0	-1.09E-05	3.37E-05	-1.57E-05	4.63E-05	5.34E-07	1.25E-06	5.11E-06	2.30E-05
87	2811	2624.938	2	459235	0	2140709	1110758	0	-1.20E-05	3.92E-05	-2.17E-05	6.42E-05	7.53E-07	1.75E-06	7.20E-06	3.23E-05
87	2811	2374.938	2	547647	0	2140709	1110758	0	-1.18E-05	3.76E-05	-1.97E-05	5.83E-05	6.80E-07	1.59E-06	6.50E-06	2.92E-05
87	2811	1624.875	1	277187	0	2140709	1110758	0	-1.00E-05	3.14E-05	-1.56E-05	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3874.958	3	30199	0	2140709	1110758	0	-1.31E-05	4.42E-05	-2.70E-05	9.82E-05	5.65E-07	2.53E-06	9.95E-06	4.81E-05
87	2811	9624.875	1	13	0	2140709	1110758	0	-5.77E-06	4.70E-05	-8.46E-05	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	1374.875	1	246778	0	2140709	1110758	0	-9.32E-06	2.85E-05	-1.32E-05	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2374.875	1	1229457	0	2140709	1110758	0	-1.13E-05	3.77E-05	-2.25E-05	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2124.875	1	767185	0	2140709	1110758	0	-1.10E-05	3.59E-05	-2.02E-05	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2124.938	2	620102	0	2140709	1110758	0	-1.14E-05	3.58E-05	-1.77E-05	5.23E-05	6.07E-07	1.42E-06	5.81E-06	2.61E-05
87	2811	6124.938	2	16232	0	2140709	1110758	0	-1.11E-05	4.76E-05	-4.86E-05	1.45E-04	1.82E-06	4.12E-06	1.73E-05	7.62E-05
87	2811	874.875	1	397959	0	2140709	1110758	0	-7.23E-06	2.12E-05	-8.45E-06	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3624.938	2	534452	0	2140709	1110758	0	-1.24E-05	4.36E-05	-2.96E-05	8.76E-05	1.05E-06	2.43E-06	1.02E-05	4.48E-05
87	2811	4874.938	2	298523	0	2140709	1110758	0	-1.20E-05	4.64E-05	-3.92E-05	1.16E-04	1.43E-06	3.27E-06	1.38E-05	6.05E-05
87	2811	1124.875	1	573176	0	2140709	1110758	0	-8.40E-06	2.52E-05	-1.08E-05	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4124.875	1	208623	0	2140709	1110758	0	-1.16E-05	4.51E-05	-3.84E-05	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3874.875	1	219583	0	2140709	1110758	0	-1.17E-05	4.44E-05	-3.62E-05	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4124.938	2	628246	0	2140709	1110758	0	-1.23E-05	4.60E-05	-3.35E-05	9.92E-05	1.20E-06	2.77E-06	1.16E-05	5.10E-05
87	2811	4374.938	2	523074	0	2140709	1110758	0	-1.22E-05	4.55E-05	-3.54E-05	1.05E-04	1.28E-06	2.93E-06	1.23E-05	5.42E-05
87	2811	5624.938	2	90977	0	2140709	1110758	0	-1.15E-05	4.73E-05	-4.49E-05	1.34E-04	1.66E-06	3.78E-06	1.59E-05	6.99E-05
87	2811	5874.938	2	51475	0	2140709	1110758	0	-1.13E-05	4.76E-05	-4.67E-05	1.39E-04	1.74E-06	3.95E-06	1.66E-05	7.31E-05
87	2811	5124.938	2	228798	0	2140709	1110758	0	-1.18E-05	4.68E-05	-4.11E-05	1.22E-04	1.51E-06	3.44E-06	1.45E-05	6.36E-05
87	2811	3374.875	1	440181	0	2140709	1110758	0	-1.18E-05	4.28E-05	-3.17E-05	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3624.875	1	281660	0	2140709	1110758	0	-1.17E-05	4.37E-05	-3.39E-05	8.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	2874.875	1	970763	0	2140709	1110758	0	-1.17E-05	4.06E-05	-2.71E-05	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	3124.875	1	697408	0	2140709	1110758	0	-1.18E-05	4.18E-05	-2.94E-05	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4374.875	1	211960	0	2140709	1110758	0	-1.14E-05	4.56E-05	-4.06E-05	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2811	4624.938	2	397920	0	2140709	1110758	0	-1.21E-05	4.60E-05	-3.73E-05	1.11E-04	1.35E-06	3.10E-06	1.31E-05	5.73E-05
87	2811	5374.938	2	143878	0	2140709	1110758	0	-1.17E-05	4.70E-05	-4.30E-05	1.28E-04	1.59E-06	3.61E-06	1.52E-05	6.68E-05
87	2812	1624.938	2	632418	0	3545471	977941	0	-1.22E-05	3.45E-05	-1.73E-05	5.08E-05	6.40E-07	6.26E-07	5.63E-06	2.50E-05
87	2812	4124.938	2	502435	0	3545471	977941	0	-1.62E-05	5.08E-05	-4.23E-05	1.64E-06	1.64E-06	1.60E-06	1.46E-05	6.43E-05
87	2812	374.9375	2	38558	0	3545471	977941	0	-4.65E-06	1.22E-05	-4.07E-06	1.20E-05	1.47E-07	1.44E-07	1.27E-06	5.70E-06
87	2812	1374.938	2	496651	0	3545471	977941	0	-1.13E-05	3.14E-05	-1.47E-05	4.31E-05	5.41E-07	5.29E-07	4.75E-06	2.11E-05
87	2812	1124.938	2	359211	0	3545471	977941	0	-1.01E-05	2.78E-05	-1.21E-05	3.55E-05	4.42E-07	4.32E-07	3.87E-06	1.73E-05
87	2812	9624.875	1	96	0	3545471	977941	0	-1.54E-05	5.90E-05	-1.07E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	9374.875	1	96	0	3545471	977941	0	-1.54E-05	5.90E-05	-1.04E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2874.938	2	422675	0	3545471	977941	0	-1.50E-05	4.50E-05	-3.01E-05	8.81E-05	1.14E-06	1.11E-06	1.01E-05	4.46E-05
87	2812	3624.938	2	447398	0	3545471	977941	0	-1.59E-05	4.88E-05	-3.76E-05	1.10E-04	1.44E-06	1.40E-06	1.28E-05	5.64E-05
87	2812	3124.938	2	392620	0</											

STATE	SECTION	LOAD/W	AXLE	COUNT-R	COUNT-D	E1	E2	E3	E1T	E2C	E2T	E4C	E1T-BET	E2C-BET	E2T-BET	E3C-BET
87	2812	5124.938	2	82229	0	3545471	977941	0	-1.65E-05	5.38E-05	-5.19E-05	1.53E-04	2.05E-06	1.99E-06	1.84E-05	8.02E-05
87	2812	5374.938	2	50261	0	3545471	977941	0	-1.66E-05	5.44E-05	-5.42E-05	1.60E-04	2.16E-06	2.09E-06	1.93E-05	8.42E-05
87	2812	3374.875	1	313860	0	3545471	977941	0	-1.55E-05	4.78E-05	-4.00E-05	9.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	3624.875	1	173490	0	3545471	977941	0	-1.57E-05	4.90E-05	-4.28E-05	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2874.875	1	1128176	0	3545471	977941	0	-1.49E-05	4.51E-05	-3.43E-05	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	3124.875	1	675541	0	3545471	977941	0	-1.52E-05	4.65E-05	-3.72E-05	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	4374.875	1	152361	0	3545471	977941	0	-1.61E-05	5.18E-05	-5.12E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	1874.875	1	299601	0	3545471	977941	0	-1.29E-05	3.72E-05	-2.27E-05	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	3874.875	1	156012	0	3545471	977941	0	-1.58E-05	5.00E-05	-4.56E-05	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	6874.938	2	2719	0	3545471	977941	0	-1.65E-05	5.69E-05	-6.82E-05	2.03E-04	2.77E-06	2.68E-06	2.48E-05	1.08E-04
87	2812	2624.875	1	1187123	0	3545471	977941	0	-1.45E-05	4.34E-05	-3.14E-05	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	4624.938	2	244563	0	3545471	977941	0	-1.64E-05	5.25E-05	-4.71E-05	1.39E-04	1.84E-06	1.80E-06	1.64E-05	7.23E-05
87	2812	1374.875	1	224414	0	3545471	977941	0	-1.12E-05	3.14E-05	-1.68E-05	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	374.875	1	135296	0	3545471	977941	0	-4.63E-06	1.22E-05	-4.62E-06	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	874.875	1	239999	0	3545471	977941	0	-8.63E-06	2.35E-05	-1.07E-05	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2124.875	1	457045	0	3545471	977941	0	-1.36E-05	3.96E-05	-2.56E-05	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	6124.958	3	249	0	3545471	977941	0	-1.69E-05	5.65E-05	-5.21E-05	1.91E-04	2.07E-06	2.40E-06	2.05E-05	9.65E-05
87	2812	1624.875	1	249877	0	3545471	977941	0	-1.21E-05	3.45E-05	-1.97E-05	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	6624.958	3	87	0	3545471	977941	0	-1.69E-05	5.63E-05	-5.60E-05	2.06E-04	2.25E-06	2.60E-06	2.22E-05	1.05E-04
87	2812	4874.875	1	100898	0	3545471	977941	0	-1.62E-05	5.33E-05	-5.68E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	7874.875	1	701	0	3545471	977941	0	-1.59E-05	5.81E-05	-8.89E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	4124.875	1	155877	0	3545471	977941	0	-1.60E-05	5.10E-05	-4.84E-05	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	4624.875	1	130963	0	3545471	977941	0	-1.62E-05	5.26E-05	-5.40E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	7624.958	3	19	0	3545471	977941	0	-1.68E-05	5.74E-05	-6.36E-05	2.36E-04	2.60E-06	3.00E-06	2.56E-05	1.21E-04
87	2812	8624.875	1	163	0	3545471	977941	0	-1.57E-05	5.66E-05	-9.66E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	9624.938	2	9	0	3545471	977941	0	-1.60E-05	5.87E-05	-9.24E-05	2.80E-04	4.09E-06	3.78E-06	3.48E-05	1.52E-04
87	2812	5624.875	1	31640	0	3545471	977941	0	-1.63E-05	5.51E-05	-6.50E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	5874.875	1	20744	0	3545471	977941	0	-1.63E-05	5.66E-05	-6.77E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	5124.875	1	71352	0	3545471	977941	0	-1.63E-05	5.40E-05	-5.95E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	5374.875	1	49829	0	3545471	977941	0	-1.63E-05	5.45E-05	-6.23E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	6624.875	1	6235	0	3545471	977941	0	-1.62E-05	5.68E-05	-7.57E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2124.958	3	10694	0	3545471	977941	0	-1.39E-05	3.94E-05	-1.94E-05	6.92E-05	7.05E-07	8.24E-07	6.87E-05	3.30E-05
87	2812	6124.875	1	13961	0	3545471	977941	0	-1.63E-05	5.60E-05	-7.04E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	499.9583	3	7677	0	3545471	977941	0	-5.87E-06	1.55E-05	-4.69E-06	1.67E-05	1.64E-07	1.93E-07	1.58E-05	7.65E-06
87	2812	8124.958	3	9	0	3545471	977941	0	-1.67E-05	5.78E-05	-6.73E-05	2.51E-04	2.78E-06	3.20E-06	2.73E-05	1.29E-04
87	2812	8374.875	1	211	0	3545471	977941	0	-1.57E-05	5.85E-05	-9.40E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	7674.958	3	9	0	3545471	977941	0	-1.67E-05	5.76E-05	-6.54E-05	2.43E-04	2.69E-06	3.10E-06	2.65E-05	1.25E-04
87	2812	1624.958	3	13980	0	3545471	977941	0	-1.23E-05	3.44E-05	-1.49E-05	5.33E-05	5.37E-07	6.29E-07	5.22E-06	2.61E-05
87	2812	1674.958	3	14864	0	3545471	977941	0	-1.31E-05	3.71E-05	-1.72E-05	6.13E-05	6.21E-07	7.27E-07	6.05E-06	2.91E-05
87	2812	1124.958	3	16209	0	3545471	977941	0	-1.02E-05	2.77E-05	-1.06E-05	3.72E-05	3.71E-07	4.35E-07	3.59E-06	1.73E-05
87	2812	1374.958	3	16247	0	3545471	977941	0	-1.13E-05	3.13E-05	-1.27E-05	4.53E-05	4.54E-07	5.32E-07	4.41E-06	2.12E-05
87	2812	7374.875	1	1306	0	3545471	977941	0	-1.61E-05	5.77E-05	-8.37E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2874.958	3	19130	0	3545471	977941	0	-1.52E-05	4.49E-05	-2.58E-05	9.26E-05	9.58E-07	1.12E-06	9.36E-06	4.48E-05
87	2812	6874.875	1	3545	0	3545471	977941	0	-1.62E-05	5.71E-05	-7.84E-05	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2624.938	2	462810	0	3545471	977941	0	-1.47E-05	4.34E-05	-2.76E-05	8.07E-05	1.04E-06	1.01E-06	9.18E-06	4.07E-05
87	2812	1874.938	2	671640	0	3545471	977941	0	-1.30E-05	3.72E-05	-1.99E-05	5.83E-05	7.39E-07	7.22E-07	6.51E-06	2.89E-05
87	2812	4624.958	3	6024	0	3545471	977941	0	-1.67E-05	5.23E-05	-4.03E-05	1.46E-04	1.55E-06	1.81E-06	1.52E-05	7.25E-05
87	2812	1124.875	1	207965	0	3545471	977941	0	-1.00E-05	2.78E-05	-1.38E-05	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	8124.875	1	643	0	3545471	977941	0	-1.59E-05	5.83E-05	-9.15E-05	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	6874.958	3	57	0	3545471	977941	0	-1.69E-05	5.66E-05	-5.79E-05	2.14E-04	2.33E-06	2.70E-06	2.31E-05	1.09E-04
87	2812	9874.938	2	19	0	3545471	977941	0	-1.60E-05	5.85E-05	-8.59E-05	2.59E-04	3.60E-06	3.48E-06	3.21E-05	1.40E-04
87	2812	8374.938	2	124	0	3545471	977941	0	-1.62E-05	5.82E-05	-8.16E-05	2.45E-04	3.39E-06	3.28E-06	3.03E-05	1.32E-04
87	2812	8624.938	2	48	0	3545471	977941	0	-1.61E-05	5.83E-05	-8.38E-05	2.52E-04	3.49E-06	3.38E-06	3.12E-05	1.33E-04
87	2812	9374.938	2	28	0	3545471	977941	0	-1.59E-05	5.86E-05	-9.02E-05	2.73E-04	3.81E-06	3.68E-06	3.39E-05	1.40E-04
87	2812	3124.958	3	21551	0	3545471	977941	0	-1.55E-05	4.63E-05	-2.79E-05	1.00E-04	1.04E-06	1.22E-06	1.02E-05	4.87E-05
87	2812	6374.958	3	220	0	3545471	977941	0	-1.69E-05	5.60E-05	-5.41E-05	1.99E-04	2.16E-06	2.50E-06	2.14E-05	1.01E-04
87	2812	5624.958	3	874	0	3545471	977941	0	-1.69E-05	5.47E-05	-4.82E-05	1.76E-04	1.90E-06	2.20E-06	1.86E-05	8.85E-05
87	2812	5874.958	3	499	0	3545471	977941	0	-1.69E-05	5.52E-05	-5.02E-05	1.84E-04	1.99E-06	2.30E-06	1.97E-05	9.25E-05
87	2812	2374.958	3	10607	0	3545471	977941	0	-1.43E-05	4.15E-05	-2.15E-05	7.70E-05	7.89E-07	9.22E-07	7.70E-06	3.69E-05
87	2812	7124.875	1	2209	0	3545471	977941	0	-1.61E-05	5.74E-05	-8.10E-05	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	2624.958	3	14297	0	3545471	977941	0	-1.48E-05	4.33E-05	-2.37E-05	8.48E-05	8.73E-07	1.02E-06	8.53E-06	4.08E-05
87	2812	9124.875	1	76	0	3545471	977941	0	-1.55E-05	5.69E-05	-1.02E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	2812	5374.958	3	1566	0	3545471	977941	0	-1.69E-05	5.42E-05	-4.62E-05	1.69E-04	1.81E-06	2.11E-06	1.78E-05	8.45E-05
87	2812	3874.958	3	15315	0	3545471	977941	0	-1.63E-05	4.98E-05	-3.42E-05	1.23E-04	1.30E-06	1.51E-06	1.27E-05	6.06E-05
87	2812	4124.958	3	11414	0	3545471	977941	0	-1.64E-05	5.07E-05	-3.62E-05	1.31E-04	1.38E-06	1.61E-06	1.36E-05	

APPENDIX D - SAMPLE OF WESLEA OUTPUT

This appendix contains the following two tables.

1 – Sample of critical strains, calculated by WESLEA (GPS-1)

This table reports the results of the structural analysis, performed using the traffic loads, load configurations, and the backcalculated moduli. The sample shows the first 10 pages of the table. The following is a list of the variables in the table:

STATE	State code used in the LTPP.
SECTION	Section code used in the LTPP.
LOAD/W	Wheel load, pound.
AXLE TP	Axle type (1 = single, 2 = tandem, 3 = tridem).
COUNT-R	Cumulative count of the passage of that load type, up to the date of last rutting survey.
COUNT-D	Cumulative count of the passage of that load type, up to the date of last distress survey.
E2_psi	The base layer modulus of elasticity, psi. A value of 9999 indicates that there is no granular base and subbase.
Et_1	The maximum horizontal tensile strain at the bottom of the AC layer, micro strain units, at a point located under the wheel.
Ec_2	The maximum compressive strain at the top of the base/subbase layer, micro strain units, at a point located under the wheel.
Ec_3	The maximum compressive strain at the top of the first subgrade layer, micro strain units, at a point located under the wheel.
Ec_4	The maximum compressive strain at the top of the second subgrade layer, micro strain units, at a point located under the wheel.
Ec_5	The maximum compressive strain at the top of the third subgrade layer, micro strain units, at a point located under the wheel.
Et_1_BET	The maximum horizontal tensile strain at the bottom of the AC layer, micro strain units, at a point located midway between the loading wheels.
EC_2_BET	The maximum compressive strain at the top of the base/subbase layer, micro strain units, at a point located midway between the loading wheels.
EC_3_BET	The maximum compressive strain at the top of the first subgrade layer, micro strain units, at a point located midway between the loading wheels.
EC_4_BET	The maximum compressive strain at the top of the second subgrade layer, micro strain units, at a point located midway between the loading wheels.
EC_5_BET	The maximum compressive strain at the top of the third subgrade layer, micro strain units, at a point located midway between the loading wheels.

2 – Sample of critical strains, calculated by WESLEA (GPS-2)

This table reports the results of the structural analysis, performed using the traffic loads, load configurations and the backcalculated moduli. The sample shows the first 10 pages of the table. The table structure and variable definitions are similar to the above table.

Sample of Critical Strains Calculated by WESLEA (GPS-1)

STATE	SECTION	W LOAD	AXLE TPE	COUNT	R	COUNT	D	E2_Psl	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	EC_2 BET	EC_3 BET	EC_4 BET	EC_5 BET
1	1019	4124.875	1	18083	0	13855.58	-0.00015	0.000487	0.00016	6.04E-05	0	0	0	0	0	0	0	0
1	1019	1124.875	1	57312	0	13855.58	-4.73E-05	0.000148	4.42E-05	1.86E-05	0	0	0	0	0	0	0	0
1	1019	1374.938	2	82287	0	13855.58	-5.52E-05	0.000178	5.30E-05	2.10E-05	0	1.67E-05	1.51E-05	9.19E-06	1.73E-05	0	0	0
1	1019	874.9375	2	31296	0	13855.58	-3.62E-05	0.000115	3.38E-05	1.34E-05	0	1.06E-05	9.57E-06	5.83E-06	0.000011	0	0	0
1	1019	374.9375	2	9247	0	13855.58	-1.60E-05	5.05E-05	1.45E-05	5.73E-06	0	4.71E-06	4.08E-06	2.49E-06	4.71E-06	0	0	0
1	1019	1124.938	2	77038	0	13855.58	-4.58E-05	0.000147	4.34E-05	1.72E-05	0	1.37E-05	1.23E-05	7.50E-06	1.41E-05	0	0	0
1	1019	1624.938	2	91725	0	13855.58	-6.42E-05	0.000208	6.25E-05	2.48E-05	0	1.97E-05	1.79E-05	1.09E-05	2.04E-05	0	0	0
1	1019	4374.875	1	13220	0	13855.58	-0.00016	0.000513	0.000189	6.40E-05	0	0	0	0	0	0	0	0
1	1019	5624.875	1	4074	0	13855.58	-0.00019	0.000638	0.000218	8.20E-05	0	0	0	0	0	0	0	0
1	1019	2874.958	3	545	0	13855.58	-0.0001	0.000347	0.000108	4.52E-05	0	3.54E-05	3.14E-05	1.89E-05	3.57E-05	0	0	0
1	1019	2374.875	1	246894	0	13855.58	-9.30E-05	0.000298	9.27E-05	3.49E-05	0	0	0	0	0	0	0	0
1	1019	4624.875	1	15791	0	13855.58	-0.00016	0.000538	0.000179	6.78E-05	0	0	0	0	0	0	0	0
1	1019	3624.875	1	13658	0	13855.58	-0.00013	0.000435	0.000141	5.31E-05	0	4.15E-05	3.71E-05	2.23E-05	4.19E-05	0	0	0
1	1019	1374.875	1	48998	0	13855.58	-5.69E-05	0.000179	5.39E-05	2.02E-05	0	0	0	0	0	0	0	0
1	1019	5374.875	1	3040	0	13855.58	-0.00018	0.000612	0.000207	7.84E-05	0	0	0	0	0	0	0	0
1	1019	4374.958	3	16070	0	13855.58	-0.00014	0.000503	0.000183	8.80E-05	0	5.36E-05	0.0000485	2.91E-05	5.43E-05	0	0	0
1	1019	5874.875	1	1732	0	13855.58	-0.0002	0.00068	0.000225	8.58E-05	0	0	0	0	0	0	0	0
1	1019	3374.958	3	545	0	13855.58	-0.00012	0.000401	0.000128	5.30E-05	0	4.15E-05	3.71E-05	2.23E-05	4.19E-05	0	0	0
1	1019	1624.875	1	55389	0	13855.58	-6.63E-05	0.000221	6.38E-05	2.39E-05	0	0	0	0	0	0	0	0
1	1019	3124.875	1	17225	0	13855.58	-0.00012	0.000391	0.000122	4.58E-05	0	0	0	0	0	0	0	0
1	1019	874.875	1	70996	0	13855.58	-3.7E-05	0.000116	3.44E-05	1.29E-05	0	0	0	0	0	0	0	0
1	1019	374.875	1	25822	0	13855.58	-1.7E-05	5.10E-05	1.48E-05	5.53E-06	0	0	0	0	0	0	0	0
1	1019	2874.875	1	43196	0	13855.58	-0.00011	0.000354	0.000112	4.22E-05	0	0	0	0	0	0	0	0
1	1019	5124.875	1	6428	0	13855.58	-0.00018	0.000587	0.000197	7.48E-05	0	0	0	0	0	0	0	0
1	1019	4874.875	1	10738	0	13855.58	-0.00017	0.000583	0.000188	7.12E-05	0	0	0	0	0	0	0	0
1	1019	1674.875	1	131488	0	13855.58	-7.55E-05	0.000239	7.33E-05	2.78E-05	0	0	0	0	0	0	0	0
1	1019	3374.875	1	10713	0	13855.58	-0.00013	0.000408	0.000131	4.95E-05	0	0	0	0	0	0	0	0
1	1019	2624.875	1	142519	0	13855.58	-0.0001	0.000326	0.000102	3.85E-05	0	0	0	0	0	0	0	0
1	1019	1624.958	3	545	0	13855.58	-8.21E-05	0.000206	6.14E-05	2.56E-05	0	2.01E-05	1.76E-05	1.06E-05	2.02E-05	0	0	0
1	1019	3874.875	1	16184	0	13855.58	-0.00014	0.000461	0.00015	5.67E-05	0	0	0	0	0	0	0	0
1	1019	2374.958	3	406	0	13855.58	-8.69E-05	0.000292	8.94E-05	3.74E-05	0	2.93E-05	2.58E-05	1.55E-05	2.95E-05	0	0	0
1	1019	4124.958	3	42492	0	13855.58	-0.0001	0.000478	0.000154	6.47E-05	0	5.05E-05	4.58E-05	2.73E-05	5.12E-05	0	0	0
1	1019	3874.958	3	17434	0	13855.58	-0.00013	0.000452	0.000145	6.08E-05	0	4.75E-05	4.28E-05	2.56E-05	4.81E-05	0	0	0
1	1019	1874.958	3	679	0	13855.58	-7.06E-05	0.000235	7.07E-05	2.95E-05	0	2.31E-05	2.03E-05	1.22E-05	2.33E-05	0	0	0
1	1019	4624.958	3	2462	0	13855.58	-0.00015	0.000527	0.000172	7.25E-05	0	5.66E-05	5.14E-05	3.08E-05	5.74E-05	0	0	0
1	1019	4874.958	3	2856	0	13855.58	-0.00018	0.000552	0.000181	7.83E-05	0	5.96E-05	5.43E-05	3.25E-05	6.05E-05	0	0	0
1	1019	1374.958	3	679	0	13855.58	-5.34E-05	0.000178	5.20E-05	2.17E-05	0	1.70E-05	1.48E-05	8.93E-06	1.71E-05	0	0	0
1	1019	1124.958	3	818	0	13855.58	-4.44E-05	0.000145	4.26E-05	1.77E-05	0	1.39E-05	0.0000121	7.29E-06	1.40E-05	0	0	0
1	1019	6874.938	2	152	0	13855.58	-0.00022	0.000744	0.000258	0.000104	0	8.97E-05	7.94E-05	4.78E-05	8.64E-05	0	0	0
1	1019	2874.938	2	19573	0	13855.58	-0.00011	0.000351	0.00011	4.37E-05	0	3.47E-05	3.20E-05	1.94E-05	3.61E-05	0	0	0
1	1019	2624.938	2	27044	0	13855.58	-9.81E-05	0.000323	0.000101	3.99E-05	0	3.18E-05	2.82E-05	1.77E-05	3.30E-05	0	0	0
1	1019	6824.938	2	330	0	13855.58	-0.00021	0.000722	0.000249	9.99E-05	0	8.65E-05	7.84E-05	4.60E-05	8.32E-05	0	0	0
1	1019	2124.938	2	18012	0	13855.58	-8.18E-05	0.000298	8.15E-05	3.23E-05	0	2.57E-05	2.35E-05	1.43E-05	2.87E-05	0	0	0
1	1019	3124.938	2	14515	0	13855.58	-0.00011	0.000378	0.000119	4.75E-05	0	3.77E-05	3.49E-05	2.12E-05	3.93E-05	0	0	0
1	1019	2374.938	2	22702	0	13855.58	-9.00E-05	0.000295	9.10E-05	3.61E-05	0	2.88E-05	2.63E-05	1.80E-05	2.99E-05	0	0	0
1	1019	4124.938	2	146460	0	13855.58	-0.00014	0.000482	0.000157	6.25E-05	0	4.98E-05	4.65E-05	2.81E-05	5.18E-05	0	0	0
1	1019	499.9583	3	879	0	13855.58	-2.05E-05	6.84E-05	1.90E-05	7.89E-06	0	6.20E-06	5.35E-06	3.23E-06	6.20E-06	0	0	0
1	1019	3624.958	3	4220	0	13855.58	-0.00012	0.000427	0.000136	5.69E-05	0	4.45E-05	3.99E-05	2.39E-05	4.50E-05	0	0	0
1	1019	3624.938	2	29316	0	13855.58	-0.00013	0.000431	0.000138	5.50E-05	0	4.37E-05	4.07E-05	2.48E-05	4.56E-05	0	0	0
1	1019	2124.875	1	258192	0	13855.58	-6.44E-05	0.000289	8.30E-05	3.12E-05	0	0	0	0	0	0	0	0
1	1019	3124.958	3	545	0	13855.58	-0.00011	0.000374	0.000117	4.81E-05	0	3.84E-05	3.43E-05	2.06E-05	3.88E-05	0	0	0
1	1019	3874.938	2	81171	0	13855.58	-0.00014	0.000457	0.000147	5.88E-05	0	4.67E-05	4.36E-05	2.64E-05	4.87E-05	0	0	0
1	1019	3374.938	2	17339	0	13855.58	-0.00012	0.000404	0.000129	5.12E-05	0	4.07E-05	3.78E-05	2.29E-05	4.24E-05	0	0	0
1	1019	4624.938	2	102965	0	13855.58	-0.00018	0.000533	0.000175	7.00E-05	0	5.56E-05	5.24E-05	3.16E-05	7.1E-05	0	0	0
1	1019	5874.938	2	1283	0	13855.58	-0.00019	0.000653	0.000221	8.87E-05	0	7.87E-05	6.73E-05	4.06E-05	8.8E-05	0	0	0
1	1019	5124.938	2	21509	0	13855.58	-0.00017	0.000582	0.000194	7.75E-05	0	8.15E-05	5.83E-05	3.52E-05	6.44E-05	0	0	0
1	1019	6374.938	2	298	0	13855.58	-0.0002	0.000699	0.00024	9.82E-05	0	8.32E-05	7.33E-05	4.42E-05	8.01E-05	0	0	0
1	1019	6874.875	1	266	0	13855.58	-0.00023	0.000752	0.000262	1.00E-04	0	0	0	0	0	0	0	0
1	1019	5374.938	2	8961	0	13855.58	-0.00018	0.000606	0.000203	8.13E-05	0	6.44E-05	6.13E-05	3.70E-05	6.75E-05	0	0	0
1	1019	5624.938	2	2259	0	13855.58	-0.00018	0.000629	0.000212	8.50E-05	0	7.34E-05	6.43E-05	3.88E-05	7.07E-05	0	0	0
1	1019	6124.938	2	298	0	13855.58	-0.0002	0.000676	0.00023	9.25E-05	0	8.00E-05	7.03E-05	4.24E-05	7.70E-05	0	0	0
1	1019	4874.938	2	47944	0	13855.58	-0.00018	0.000657	0.000185	7.38E-05	0	5.85E-05	5.53E-05	3.34E-05	6.13E-05	0	0	0
1	1019	4374.938	2	138209	0	13855.58	-0.00015	0.000608	0.000168	6.83E-05	0	5.26E-05	4.94E-05	2.99E-05	5.50E-05	0	0	0
1	1019	6124.875	1	886	0	13855.58	-0.0002	0.000683	0.000235	8.82E-05	0	0	0	0	0	0	0	0
1	1019	1874.938	2	38887	0	13855.58	-7.30E-05	0.000237	7.20E-05	2.86E-05	0	2.27E-05	0.0000207	1.28E-05	2.36E-05	0	0	0
1	4126	6374.938	2	3107	2537	23022.71	-6.85E-05	0.000204	6.73E-05	3.49E-05	0	1.82E-05	0.00					

STATE	SECTION	W	LOAD	AXLE	TPE	COUNT	R	COUNT	D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	EC_2 BET	EC_3 BET	EC_4 BET	EC_5 BET
1	4126	3624.958	3	1475	1204	23022.71	-3.3E-05	0.000121	4.23E-05	2.44E-05	0	1.39E-05	5.33E-05	3.59E-05	0.0000232	0	0	0	0	0
1	4126	5374.958	3	1733	1415	23022.71	-4.77E-05	0.000178	6.25E-05	3.62E-05	0	2.04E-05	7.96E-05	5.31E-05	3.44E-05	0	0	0	0	0
1	4126	3874.958	3	1475	1204	23022.71	-3.52E-05	0.000129	4.52E-05	2.61E-05	0	1.49E-05	5.70E-05	3.83E-05	2.48E-05	0	0	0	0	0
1	4126	3874.875	1	157084	128262	23022.71	-4.81E-05	0.000122	3.70E-05	1.64E-05	0	0	0	0	0	0	0	0	0	0
1	4126	7124.938	2	1041	849	23022.71	-7.36E-05	0.000227	7.52E-05	3.90E-05	0	2.13E-05	0.0001078	0.000071	4.35E-05	0	0	0	0	0
1	4126	2374.875	1	844119	689236	23022.71	-3.00E-05	7.59E-05	2.28E-05	1.01E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5124.958	3	783	639	23022.71	-4.57E-05	0.00017	5.96E-05	3.45E-05	0	1.95E-05	7.58E-05	5.07E-05	3.28E-05	0	0	0	0	0
1	4126	8374.875	1	5740	4687	23022.71	-7.71E-05	0.000198	6.06E-05	2.69E-05	0	0	0	0	0	0	0	0	0	0
1	4126	4124.875	1	111755	91250	23022.71	-5.11E-05	0.00013	3.94E-05	1.75E-05	0	0	0	0	0	0	0	0	0	0
1	4126	2624.875	1	749100	611651	23022.71	-3.31E-05	8.37E-05	2.51E-05	1.11E-05	0	0	0	0	0	0	0	0	0	0
1	4126	1124.875	1	338552	276433	23022.71	-1.4E-05	3.83E-05	1.08E-05	4.78E-06	0	0	0	0	0	0	0	0	0	0
1	4126	1374.875	1	530657	433269	23022.71	-1.78E-05	4.43E-05	1.32E-05	5.84E-06	0	0	0	0	0	0	0	0	0	0
1	4126	374.875	1	23720	19368	23022.71	-4.64E-06	1.21E-05	3.61E-06	1.59E-06	0	0	0	0	0	0	0	0	0	0
1	4126	2124.875	1	883869	721692	23022.71	-2.7E-05	6.80E-05	2.04E-05	9.01E-06	0	0	0	0	0	0	0	0	0	0
1	4126	1624.875	1	701760	572997	23022.71	-2.07E-05	5.22E-05	1.56E-05	6.90E-06	0	0	0	0	0	0	0	0	0	0
1	4126	1874.875	1	879215	717892	23022.71	-2.4E-05	6.01E-05	1.80E-05	7.96E-06	0	0	0	0	0	0	0	0	0	0
1	4126	4874.875	1	48007	39198	23022.71	-5.99E-05	0.000153	4.65E-05	2.06E-05	0	0	0	0	0	0	0	0	0	0
1	4126	7874.875	1	3899	3020	23022.71	-9.38E-05	0.000243	7.47E-05	3.32E-05	0	0	0	0	0	0	0	0	0	0
1	4126	8124.875	1	1975	1513	23022.71	-9.65E-05	0.00025	7.70E-05	3.43E-05	0	0	0	0	0	0	0	0	0	0
1	4126	6624.875	1	7984	6519	23022.71	-8.00E-05	0.000206	6.30E-05	2.80E-05	0	0	0	0	0	0	0	0	0	0
1	4126	6124.875	1	16393	13385	23022.71	-7.4E-05	0.000191	5.83E-05	2.59E-05	0	0	0	0	0	0	0	0	0	0
1	4126	874.875	1	70803	57811	23022.71	-1.12E-05	2.83E-05	8.41E-06	3.72E-06	0	0	0	0	0	0	0	0	0	0
1	4126	6874.875	1	9611	7847	23022.71	-8.27E-05	0.000213	6.53E-05	2.90E-05	0	0	0	0	0	0	0	0	0	0
1	4126	7374.875	1	4133	3375	23022.71	-8.8E-05	0.000228	0.00007	3.11E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5374.875	1	31568	25776	23022.71	-6.57E-05	0.000168	5.12E-05	2.27E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5124.875	1	39820	32514	23022.71	-6.28E-05	0.00016	4.89E-05	2.17E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5874.875	1	10991	8974	23022.71	-7.15E-05	0.000183	5.59E-05	2.48E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5624.875	1	29127	23783	23022.71	-8.9E-05	0.000176	5.36E-05	2.38E-05	0	0	0	0	0	0	0	0	0	0
1	4126	7124.875	1	2344	1914	23022.71	-8.55E-05	0.00022	6.77E-05	3.01E-05	0	0	0	0	0	0	0	0	0	0
1	4126	8624.875	1	1834	1497	23022.71	-0.0001	0.000265	8.17E-05	3.64E-05	0	0	0	0	0	0	0	0	0	0
1	4126	9124.875	1	914	748	23022.71	-0.00011	0.00029	8.63E-05	3.85E-05	0	0	0	0	0	0	0	0	0	0
1	4126	8974.875	1	1718	1402	23022.71	-0.0001	0.000272	0.000084	3.74E-05	0	0	0	0	0	0	0	0	0	0
1	4126	7624.875	1	914	748	23022.71	-9.11E-05	0.000235	7.23E-05	3.22E-05	0	0	0	0	0	0	0	0	0	0
1	4126	1624.938	2	432732	353332	23022.71	-1.80E-05	5.38E-05	1.73E-05	8.93E-06	0	5.05E-06	0.000024	1.62E-05	9.96E-06	0	0	0	0	0
1	4126	4874.938	2	103968	84908	23022.71	-5.18E-05	0.000157	5.16E-05	2.67E-05	0	1.48E-05	7.33E-05	4.86E-05	2.98E-05	0	0	0	0	0
1	4126	5624.938	2	22952	18741	23022.71	-5.92E-05	0.000181	5.95E-05	3.08E-05	0	0.000017	8.48E-05	5.61E-05	3.44E-05	0	0	0	0	0
1	4126	4124.938	2	213693	174483	23022.71	-4.4E-05	0.000134	4.37E-05	2.28E-05	0	1.26E-05	6.18E-05	4.11E-05	2.52E-05	0	0	0	0	0
1	4126	2624.938	2	311491	254337	23022.71	-2.87E-05	8.60E-05	2.79E-05	1.44E-05	0	8.10E-06	3.91E-05	2.62E-05	1.61E-05	0	0	0	0	0
1	4126	4624.938	2	164301	134154	23022.71	-4.93E-05	0.000149	4.90E-05	2.54E-05	0	1.41E-05	6.95E-05	4.61E-05	2.83E-05	0	0	0	0	0
1	4126	3624.938	2	259997	212291	23022.71	-3.81E-05	0.000118	3.85E-05	1.99E-05	0	1.11E-05	5.42E-05	3.62E-05	2.22E-05	0	0	0	0	0
1	4126	2124.938	2	326929	266942	23022.71	-2.33E-05	6.69E-05	2.26E-05	1.17E-05	0	6.58E-06	3.15E-05	2.12E-05	1.30E-05	0	0	0	0	0
1	4126	9874.875	1	1718	1402	23022.71	-0.00012	0.000302	9.33E-05	4.16E-05	0	0	0	0	0	0	0	0	0	0
1	4126	3124.938	2	307554	251123	23022.71	-3.4E-05	0.000102	3.32E-05	1.72E-05	0	9.81E-06	4.66E-05	3.12E-05	1.91E-05	0	0	0	0	0
1	4126	2374.938	2	304735	248820	23022.71	-2.6E-05	7.79E-05	2.52E-05	1.31E-05	0	7.34E-06	3.53E-05	2.37E-05	1.46E-05	0	0	0	0	0
1	4126	1874.938	2	386494	315578	23022.71	-2.07E-05	6.18E-05	1.99E-05	1.03E-05	0	5.81E-06	2.78E-05	1.87E-05	1.15E-05	0	0	0	0	0
1	4126	2874.938	2	324170	264689	23022.71	-3.13E-05	9.40E-05	3.05E-05	1.58E-05	0	8.85E-06	4.28E-05	2.87E-05	0.0000176	0	0	0	0	0
1	4126	8624.938	2	289	235	23022.71	-8.75E-05	0.000273	9.08E-05	4.72E-05	0	2.55E-05	0.0001315	8.59E-05	5.27E-05	0	0	0	0	0
1	4126	4624.875	1	58013	47368	23022.71	-5.7E-05	0.000145	4.41E-05	1.96E-05	0	0	0	0	0	0	0	0	0	0
1	4126	3374.938	2	287518	234762	23022.71	-3.7E-05	0.00011	3.58E-05	1.85E-05	0	1.04E-05	5.04E-05	3.37E-05	2.07E-05	0	0	0	0	0
1	4126	5874.938	2	11066	8986	23022.71	-6.16E-05	0.000188	6.21E-05	3.22E-05	0	1.77E-05	8.86E-05	5.88E-05	3.59E-05	0	0	0	0	0
1	4126	9624.875	1	454	371	23022.71	-0.00011	0.000295	9.10E-05	4.06E-05	0	0	0	0	0	0	0	0	0	0
1	4126	3874.938	2	234669	191511	23022.71	-4.17E-05	0.000126	4.11E-05	2.13E-05	0	1.19E-05	5.80E-05	3.87E-05	2.37E-05	0	0	0	0	0
1	4126	3124.875	1	534978	438817	23022.71	-3.91E-05	9.92E-05	2.99E-05	1.32E-05	0	0	0	0	0	0	0	0	0	0
1	4126	2874.875	1	674088	550402	23022.71	-3.6E-05	9.15E-05	2.75E-05	1.22E-05	0	0	0	0	0	0	0	0	0	0
1	4126	3374.875	1	384144	313659	23022.71	-4.22E-05	0.000107	3.23E-05	1.43E-05	0	0	0	0	0	0	0	0	0	0
1	4126	4374.875	1	83853	68304	23022.71	-5.41E-05	0.000138	4.18E-05	1.85E-05	0	0	0	0	0	0	0	0	0	0
1	4126	5124.938	2	79919	65255	23022.71	-5.43E-05	0.000165	5.42E-05	2.81E-05	0	1.55E-05	7.71E-05	5.11E-05	3.13E-05	0	0	0	0	0
1	4126	7374.938	2	580	458	23022.71	-7.80E-05	0.000235	7.78E-05	4.04E-05	0	2.20E-05	0.0001117	7.35E-05	4.51E-05	0	0	0	0	0
1	4126	6874.938	2	2006	1638	23022.71	-7.13E-05	0.000219	7.26E-05	3.77E-05	0	2.06E-05	0.000104	6.85E-05	4.20E-05	0	0	0	0	0
1	4126	3624.875	1	255979	209011	23022.71	-4.52E-05	0.000115	3.47E-05	1.54E-05	0	0	0	0	0	0	0	0	0	0
1	4126	4374.938	2	189360	154618	23022.71	-4.87E-05	0.000142	4.64E-05	0.000024	0	1.33E-05	6.56E-05	4.36E-05	2.66E-05	0	0	0	0	0
1	4126	7624.938	2	909	742	23022.71	-7.83E-05	0.000242	8.04E-05	4.17E-05	0	2.27E-05	0.0001156	7.60E-05	4.66E-05	0	0	0	0	0
1	4126	6124.938	2	6104	4984	23022.71	-6.41E-05	0.000196												

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	EC_2 BET	EC_3 BET	EC_4 BET	EC_5 BET
8	1029	3874.958	3	315	268	16633.08	-0.00019	0.000559	0.000249	0.000127	0	5.79E-05	0.0000142	0.000113	0.0001153	0
8	1029	4874.958	3	260	221	16633.08	-0.00022	0.000667	0.000312	0.00016	0	7.28E-05	1.83E-05	0.000142	0.000145	0
8	1029	7124.938	2	150	128	16633.08	-0.0003	0.000893	0.000455	0.000207	0	0.000113	3.01E-05	0.000213	0.0002083	0
8	1029	5124.958	3	370	315	16633.08	-0.00023	0.000893	0.000328	0.000168	0	7.63E-05	1.84E-05	0.00015	0.0001525	0
8	1029	2874.958	3	974	829	16633.08	-0.00015	0.000441	0.000185	9.45E-05	0	4.30E-05	1.03E-05	8.36E-05	0.0000856	0
8	1029	5374.958	3	260	221	16633.08	-0.00024	0.000718	0.000343	0.000176	0	7.89E-05	2.05E-05	0.000157	0.0001599	0
8	1029	3374.958	3	658	560	16633.08	-0.00017	0.000501	0.000217	0.000111	0	5.05E-05	1.22E-05	9.83E-05	0.0001005	0
8	1029	2374.958	3	123	105	16633.08	-0.00013	0.000377	0.000153	7.81E-05	0	3.86E-05	8.37E-06	6.90E-05	7.07E-05	0
8	1029	1624.958	3	1248	1063	16633.08	-9.73E-05	0.000274	0.000105	5.35E-05	0	2.44E-05	5.61E-06	4.71E-05	4.84E-05	0
8	1029	1874.958	3	260	221	16633.08	-0.00011	0.000309	0.000121	6.17E-05	0	2.81E-05	6.51E-06	5.44E-05	5.59E-05	0
8	1029	1374.958	3	1371	1168	16633.08	-8.46E-05	0.000237	8.92E-05	4.53E-05	0	2.07E-05	4.71E-06	3.99E-05	4.10E-05	0
8	1029	2624.938	2	17800	15156	16633.08	-0.00015	0.000412	0.00017	7.68E-05	0	3.84E-05	9.95E-06	7.78E-05	7.69E-05	0
8	1029	9124.938	2	95	81	16633.08	-0.00037	0.001068	0.000578	0.000265	0	0.000145	4.03E-05	0.000274	0.000266	0
8	1029	4624.938	2	10402	8857	16633.08	-0.00022	0.000645	0.000298	0.000135	0	6.73E-05	1.84E-05	0.000138	0.0001354	0
8	1029	6874.938	2	685	584	16633.08	-0.00029	0.000889	0.000439	0.0002	0	0.000109	2.86E-05	0.000206	0.0002011	0
8	1029	7874.938	2	178	151	16633.08	-0.00033	0.00096	0.000501	0.000229	0	0.000125	3.38E-05	0.000236	0.0002302	0
8	1029	2824.958	3	1042	887	16633.08	-0.00014	0.000409	0.000169	8.63E-05	0	3.93E-05	9.31E-06	7.63E-05	7.82E-05	0
8	1029	5974.938	2	864	735	16633.08	-0.00028	0.000774	0.000377	0.000171	0	8.52E-05	0.000241	0.000175	0.0001719	0
8	1029	3624.938	2	17978	15308	16633.08	-0.00019	0.000534	0.000235	0.000108	0	5.29E-05	1.41E-05	0.000108	0.0001062	0
8	1029	1674.938	2	34200	29120	16633.08	-0.00011	0.000311	0.000122	5.49E-05	0	2.75E-05	6.97E-06	5.55E-05	5.50E-05	0
8	1029	3374.938	2	18500	15752	16633.08	-0.00018	0.000505	0.000219	9.87E-05	0	4.93E-05	1.30E-05	0.0001	9.89E-05	0
8	1029	8624.875	1	164	140	16633.08	-0.00037	0.001034	0.00055	0.000219	0	0	0	0	0	0
8	1029	7624.875	1	2565	2185	16633.08	-0.00033	0.000946	0.000488	0.000194	0	0	0	0	0	0
8	1029	5124.938	2	2936	2500	16633.08	-0.00024	0.000898	0.00033	0.00015	0	7.44E-05	2.07E-05	0.000153	0.00015	0
8	1029	374.9375	2	72161	61444	16633.08	-2.68E-05	7.17E-05	2.48E-05	1.10E-05	0	5.61E-06	1.34E-06	1.11E-05	0.000011	0
8	1029	3874.875	1	18021	16196	16633.08	-0.0002	0.000567	0.000252	9.93E-05	0	0	0	0	0	0
8	1029	8874.875	1	109	93	16633.08	-0.00037	0.001056	0.000568	0.000226	0	0	0	0	0	0
8	1029	1624.938	2	42078	35829	16633.08	-9.98E-05	0.000275	0.000108	4.78E-05	0	2.38E-05	6.01E-06	4.81E-05	4.78E-05	0
8	1029	4374.938	2	8234	7010	16633.08	-0.00021	0.000618	0.000282	0.000128	0	6.37E-05	1.73E-05	0.00013	0.0001281	0
8	1029	2874.938	2	15562	13251	16633.08	-0.00016	0.000444	0.000187	8.41E-05	0	0.000042	1.10E-05	8.53E-05	8.42E-05	0
8	1029	3874.938	2	15096	12854	16633.08	-0.0002	0.000563	0.00025	0.000113	0	5.65E-05	1.52E-05	0.000115	0.0001135	0
8	1029	6374.938	2	178	151	16633.08	-0.00028	0.000622	0.000408	0.000186	0	9.23E-05	2.65E-05	0.00019	0.0001865	0
8	1029	4874.938	2	8483	5503	16633.08	-0.00023	0.000672	0.000314	0.000142	0	7.09E-05	1.95E-05	0.000145	0.0001427	0
8	1029	874.9375	2	58039	49420	16633.08	-5.85E-05	0.000159	5.72E-05	2.57E-05	0	1.29E-05	3.17E-06	2.58E-05	2.57E-05	0
8	1029	874.875	1	191975	163463	16633.08	-5.98E-05	0.00016	5.75E-05	2.25E-05	0	0	0	0	0	0
8	1029	6124.938	2	274	233	16633.08	-0.00027	0.000798	0.000392	0.000179	0	8.87E-05	2.53E-05	0.000183	0.0001792	0
8	1029	5624.875	1	5750	4895	16633.08	-0.00026	0.000754	0.000363	0.000144	0	0	0	0	0	0
8	1029	6624.875	1	246	210	16633.08	-0.0003	0.000853	0.000426	0.000189	0	0	0	0	0	0
8	1029	2374.938	2	23399	19924	16633.08	-0.00014	0.000379	0.000154	6.95E-05	0	3.47E-05	8.95E-06	7.04E-05	0.0000696	0
8	1029	4874.875	1	12063	10271	16633.08	-0.00024	0.000677	0.000318	0.000125	0	0	0	0	0	0
8	1029	1124.875	1	216898	184885	16633.08	-7.5E-05	0.0002	7.39E-05	2.90E-05	0	0	0	0	0	0
8	1029	3624.875	1	37466	31902	16633.08	-0.00019	0.000538	0.000236	9.29E-05	0	0	0	0	0	0
8	1029	5874.875	1	1468	1250	16633.08	-0.00027	0.00078	0.000379	0.00015	0	0	0	0	0	0
8	1029	9374.875	1	89	58	16633.08	-0.00039	0.001098	0.000597	0.000238	0	0	0	0	0	0
8	1029	5124.875	1	4885	4160	16633.08	-0.00025	0.000703	0.000332	0.000131	0	0	0	0	0	0
8	1029	374.875	1	32457	27636	16633.08	-2.73E-05	7.20E-05	2.47E-05	9.66E-06	0	0	0	0	0	0
8	1029	1374.938	2	49434	42092	16633.08	-8.87E-05	0.000238	8.97E-05	4.03E-05	0	2.02E-05	5.05E-06	4.07E-05	4.03E-05	0
8	1029	3124.875	1	42133	35875	16633.08	-0.00017	0.000478	0.000204	8.02E-05	0	0	0	0	0	0
8	1029	3124.938	2	18856	16055	16633.08	-0.00017	0.000475	0.000203	9.14E-05	0	4.56E-05	1.20E-05	9.27E-05	9.16E-05	0
8	1029	5374.938	2	2154	1834	16633.08	-0.00025	0.000724	0.000345	0.000157	0	7.80E-05	2.18E-05	0.00016	0.0001573	0
8	1029	2124.938	2	43381	35939	16633.08	-0.00012	0.000346	0.000138	6.22E-05	0	3.11E-05	7.96E-06	6.29E-05	6.23E-05	0
8	1029	4624.875	1	14808	12609	16633.08	-0.00023	0.00065	0.0003	0.000118	0	0	0	0	0	0
8	1029	5374.875	1	1990	1694	16633.08	-0.00026	0.000729	0.000347	0.000137	0	0	0	0	0	0
8	1029	4124.938	2	8605	7326	16633.08	-0.00021	0.000591	0.000266	0.000121	0	6.01E-05	1.62E-05	0.000123	0.0001208	0
8	1029	3374.875	1	45564	38798	16633.08	-0.00018	0.000508	0.00022	8.65E-05	0	0	0	0	0	0
8	1047	9374.875	1	187	135	33488.47	-0.00027	0.000718	0.0004	0.000148	0	0	0	0	0	0
8	1047	7374.875	1	490	356	33488.47	-0.00022	0.000641	0.000317	0.000117	0	0	0	0	0	0
8	1047	5124.875	1	5542	4026	33488.47	-0.00018	0.000502	0.000222	8.13E-05	0	0	0	0	0	0
8	1047	4624.875	1	8374	6083	33488.47	-0.00017	0.000467	0.000201	7.35E-05	0	0	0	0	0	0
8	1047	874.875	1	211705	153785	33488.47	-4.82E-05	0.000128	3.86E-05	1.40E-05	0	0	0	0	0	0
8	1047	9624.875	1	261	189	33488.47	-0.00027	0.000781	0.00041	0.000152	0	0	0	0	0	0
8	1047	4874.875	1	7326	5322	33488.47	-0.00017	0.000485	0.000212	7.74E-05	0	0	0	0	0	0
8	1047	2124.875	1	59554	43260	33488.47	-9.78E-05	0.000263	9.32E-05	3.39E-05	0	0	0	0	0	0
8	1047	1374.875	1	80258	58300	33488.47	-7.00E-05	0.000185	6.05E-05	2.19E-05	0	0	0	0	0	0
8	1047	374.875	1	37366	27143	33488.47	-2.26E-05	5.83E-05	1.66E-05	5.99E-06	0	0	0	0	0	0
8	1047	2374.875	1	68772	49957	33488.47	-0.00011	0.000287	0.000104	3.79E-05	0	0	0	0	0	0
8	1047	9874.875	1	81	58	33488.47	-0.00028	0.000773	0.00042	0.000156	0	0	0	0	0	0
8	1047	2874.875	1	56343	40829	33488.47	-0.00012	0.000331	0.000126	4.58E-05	0	0	0	0	0	0
8	1047	5874.875	1	2480	1801	33488.47	-0.00019	0.000551	0.000254	9.31E-05	0	0	0	0	0	0
8	1047	8124.875	1	482	350	33488.47	-0.00024	0.000682	0.000348	0.000128	0	0	0	0	0	0
8	1047	5374.938	2	9079	6595	33488.47	-0.00018	0.000518	0.000235	9.95E-05	0	0.000441	1.12E-05	0.000108	0.0001	0

STATE	SECTION	W	LOAD	AXLE	TPE	COUNT	R	COUNT	D	E2	Ps1	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1	BET	EC_2	BET	EC_3	BET	EC_4	BET	EC_5	BET
8	1047	7874	875	1	490	356	33488.47	-0.00023	0.000669	0.000338	0.000125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	8374	875	1	277	201	33488.47	-0.00024	0.000666	0.000358	0.000132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	9124	875	1	281	189	33488.47	-0.00026	0.000735	0.000389	0.000144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	8874	875	1	146	106	33488.47	-0.00028	0.000722	0.000379	0.00014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	7624	875	1	106	77	33488.47	-0.00023	0.000655	0.000327	0.000121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	6374	875	1	1637	1188	33488.47	-0.0002	0.000582	0.000275	0.000101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1047	1374	958	3	1997	1451	33488.47	-6.83E-05	0.000184	6.14E-05	2.92E-05	0	1.152E-05	3.26E-06	2.71E-05	2.64E-05	0	3.082E-06	8.56E-07	7.48E-06	6.99E-06	0	0	0	0	
8	1047	374	9375	2	49589	36022	33488.47	-2.24E-05	5.82E-05	1.87E-05	6.98E-06	0	3.244E-05	8.79E-06	7.69E-05	7.42E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	3874	958	3	1079	784	33488.47	-0.00014	0.000409	0.000171	8.21E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	2874	958	3	392	285	33488.47	-0.00012	0.000329	0.000128	6.10E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	1124	958	3	2289	1671	33488.47	-5.81E-05	0.0001561	5.02E-05	2.39E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	2374	958	3	367	266	33488.47	-0.0001	0.000285	0.000108	5.04E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	2624	958	3	392	285	33488.47	-0.00011	0.000307	0.000117	5.57E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	4374	875	1	10602	7700	33488.47	-0.00016	0.000449	0.00019	6.95E-05	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	2.408E-05	6.64E-06	5.69E-05	0.0000551	0	0	0	0	
8	1047	1624	958	3	1620	1177	33488.47	-7.78E-05	0.000211	7.24E-05	3.45E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	874	9375	2	36408	25447	33488.47	-4.77E-05	0.000128	3.88E-05	1.63E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	499	9583	3	2037	1480	33488.47	-2.88E-05	7.58E-05	2.24E-05	1.06E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	2124	958	3	605	440	33488.47	-9.52E-05	0.000261	9.45E-05	4.51E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	4374	958	3	384	278	33488.47	-0.00016	0.000446	0.000193	9.27E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	5124	958	3	244	177	33488.47	-0.00017	0.000498	0.000226	0.000109	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	5874	958	3	114	82	33488.47	-0.00019	0.000546	0.000258	0.000124	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	4624	958	3	204	148	33488.47	-0.00016	0.000464	0.000204	9.80E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	4874	958	3	264	213	33488.47	-0.00017	0.000481	0.000215	0.000103	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3124	938	2	10192	7403	33488.47	-0.00013	0.000351	0.000138	5.80E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3374	938	2	10446	7588	33488.47	-0.00013	0.000372	0.000148	6.20E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	1874	958	3	891	648	33488.47	-8.68E-05	0.000237	8.35E-05	3.98E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	1874	938	2	37930	27553	33488.47	-8.79E-05	0.000238	8.29E-05	3.49E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3124	875	1	48159	33530	33488.47	-0.00013	0.000353	0.000137	4.97E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	6374	958	3	48	34	33488.47	-0.0002	0.000577	0.000279	0.000135	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	6124	958	3	106	77	33488.47	-0.00019	0.000562	0.000269	0.00013	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3124	958	3	695	505	33488.47	-0.00012	0.00035	0.000139	6.63E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	2374	938	2	25838	18769	33488.47	-0.0001	0.000286	0.000105	4.41E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	1124	938	2	36539	26542	33488.47	-5.88E-05	0.000156	4.99E-05	2.09E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	1374	938	2	43178	31365	33488.47	-6.92E-05	0.000185	6.08E-05	2.56E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	2124	938	2	32888	23890	33488.47	-9.65E-05	0.000262	9.38E-05	3.95E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3874	938	2	11912	8653	33488.47	-0.00015	0.000411	0.00017	7.19E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	4124	958	3	654	475	33488.47	-0.00015	0.000428	0.000182	8.74E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	7374	958	3	15	11	33488.47	-0.00021	0.000635	0.000322	0.000156	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	5374	958	3	154	112	33488.47	-0.00018	0.000514	0.000236	0.000114	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3374	958	3	933	677	33488.47	-0.00013	0.000371	0.000149	7.16E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	6624	958	3	40	29	33488.47	-0.0002	0.000592	0.00029	0.00014	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	3624	958	3	1031	748	33488.47	-0.00014	0.00039	0.00018	7.88E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	6624	938	2	2160	1569	33488.47	-0.0002	0.000594	0.000288	0.000123	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	7124	938	2	1301	945	33488.47	-0.00021	0.000623	0.000309	0.000132	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	7874	938	2	605	440	33488.47	-0.00023	0.000666	0.00034	0.000145	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	6374	938	2	3209	2331	33488.47	-0.0002	0.000579	0.000277	0.000118	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	
8	1047	8624	938	2	343	249	33488.47	-0.00024	0.000706	0.000372	0.000159	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	1.361E-05	3.83E-06	3.21E-05	3.12E-05	0	0	0	0	

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	EL_1	Ec_2	Ec_3	Ec_4	Ec_5	EL_1 BET	EC_2 BET	EC_3 BE	EC_4 BET	EC_5 BET
8	1057	1124.958	3	2545	0	23454	-5.20E-05	0.000146	5.81E-05	0.000003	0	1.18E-05	2.16E-06	2.79E-05	2.73E-05	0
8	1057	2874.958	3	505	0	23454	-0.00011	0.000322	0.000147	7.65E-05	0	3.00E-05	5.85E-06	7.16E-05	6.98E-05	0
8	1057	1374.938	2	36929	0	23454	-6.31E-05	0.000175	7.08E-05	3.23E-05	0	0.000014	2.90E-06	3.47E-05	3.26E-05	0
8	1057	2874.875	1	103042	0	23454	-0.00012	0.000329	0.000147	5.81E-05	0	0	0	0	0	0
8	1057	874.9375	2	51262	0	23454	-4.3E-05	0.000117	4.51E-05	2.05E-05	0	8.92E-06	1.82E-06	2.21E-05	2.08E-05	0
8	1057	4374.875	1	38136	0	23454	-0.00018	0.000453	0.000222	8.82E-05	0	0	0	0	0	0
8	1057	7874.938	2	268	0	23454	-0.00023	0.000696	0.000396	0.000183	0	8.69E-05	2.01E-05	0.000201	0.0001863	0
8	1057	7124.938	2	281	0	23454	-0.00022	0.000648	0.000359	0.000186	0	7.86E-05	1.78E-05	0.000182	0.0001687	0
8	1057	6874.938	2	294	0	23454	-0.00021	0.000631	0.000347	0.00016	0	7.58E-05	1.71E-05	0.000175	0.0001628	0
8	1057	6624.938	2	1541	0	23454	-0.0002	0.000614	0.000335	0.000154	0	7.31E-05	1.64E-05	0.000169	0.0001569	0
8	1057	3874.958	3	255	0	23454	-0.00014	0.000407	0.000198	0.000103	0	4.03E-05	8.16E-06	9.67E-05	0.000094	0
8	1057	3124.875	1	70284	0	23454	-0.00012	0.000348	0.00016	6.31E-05	0	0	0	0	0	0
8	1057	3374.875	1	64309	0	23454	-0.00013	0.00037	0.000172	6.81E-05	0	0	0	0	0	0
8	1057	1624.875	1	185280	0	23454	-7.42E-05	0.000203	8.34E-05	3.29E-05	0	0	0	0	0	0
8	1057	374.9375	2	62391	0	23454	-1.97E-05	5.33E-05	1.94E-05	8.81E-06	0	3.83E-06	7.66E-07	9.44E-06	8.90E-06	0
8	1057	2624.875	1	145741	0	23454	-0.00011	0.000303	0.000134	5.31E-05	0	0	0	0	0	0
8	1057	2624.938	2	11390	0	23454	-0.00011	0.000301	0.000135	6.15E-05	0	2.66E-05	5.76E-06	6.64E-05	6.23E-05	0
8	1057	9124.938	2	147	0	23454	-0.00026	0.000774	0.000457	0.000212	0	0.000101	2.41E-05	0.000233	0.0002158	0
8	1057	4124.938	2	4982	0	23454	-0.00015	0.00043	0.00021	9.64E-05	0	4.17E-05	9.47E-06	0.000105	9.78E-05	0
8	1057	4374.938	2	6498	0	23454	-0.00015	0.00045	0.000223	0.000102	0	4.42E-05	1.01E-05	0.000111	0.0001037	0
8	1057	5624.938	2	4087	0	23454	-0.00018	0.000544	0.000285	0.000131	0	5.67E-05	0.0000135	0.000143	0.0001332	0
8	1057	2374.938	2	8782	0	23454	-9.78E-05	0.000278	0.000122	5.56E-05	0	2.41E-05	5.17E-06	6.00E-05	5.63E-05	0
8	1057	3874.875	1	31173	0	23454	-0.00014	0.000412	0.000197	7.82E-05	0	0	0	0	0	0
8	1057	4124.875	1	36807	0	23454	-0.00015	0.000433	0.00021	8.32E-05	0	0	0	0	0	0
8	1057	4674.938	2	5724	0	23454	-0.00017	0.000489	0.000248	0.000114	0	4.92E-05	1.15E-05	0.000124	0.0001155	0
8	1057	5124.938	2	6056	0	23454	-0.00017	0.000507	0.00026	0.00012	0	5.17E-05	1.21E-05	0.00013	0.0001214	0
8	1057	8624.938	2	294	0	23454	-0.00025	0.000744	0.000432	0.000201	0	9.62E-05	2.25E-05	0.00022	0.000204	0
8	1057	7974.938	2	645	0	23454	-0.00022	0.000684	0.000371	0.000172	0	8.14E-05	1.86E-05	0.000188	0.0001746	0
8	1057	7624.938	2	978	0	23454	-0.00023	0.00069	0.000384	0.000178	0	8.41E-05	1.94E-05	0.000194	0.0001804	0
8	1057	6124.938	2	3398	0	23454	-0.00019	0.00058	0.00031	0.000143	0	6.16E-05	1.49E-05	0.000156	0.0001451	0
8	1057	5374.875	1	18144	0	23454	-0.00018	0.00052	0.000272	0.000108	0	0	0	0	0	0
8	1057	3374.958	3	255	0	23454	-0.00012	0.000366	0.000173	8.98E-05	0	3.51E-05	6.99E-06	8.41E-05	8.19E-05	0
8	1057	5874.938	2	1867	0	23454	-0.00019	0.000562	0.000298	0.000137	0	5.91E-05	0.0000142	0.000149	0.0001391	0
8	1057	3624.938	2	7495	0	23454	-0.00013	0.000389	0.000185	8.48E-05	0	3.67E-05	8.20E-06	9.18E-05	8.60E-05	0
8	1057	6124.875	1	14761	0	23454	-0.0002	0.000584	0.000309	0.000123	0	0	0	0	0	0
8	1057	1124.875	1	403358	0	23454	-5.45E-05	0.000148	5.79E-05	2.28E-05	0	0	0	0	0	0
8	1057	3124.938	2	7841	0	23454	-0.00012	0.000348	0.00016	7.32E-05	0	3.17E-05	6.96E-06	7.91E-05	7.41E-05	0
8	1057	5624.875	1	8570	0	23454	-0.00019	0.000548	0.000285	0.000113	0	0	0	0	0	0
8	1057	6874.875	1	10501	0	23454	-0.00022	0.000635	0.000348	0.000138	0	0	0	0	0	0
8	1057	8624.875	1	6913	0	23454	-0.00026	0.000749	0.000431	0.000173	0	0	0	0	0	0
8	1057	6624.875	1	5468	0	23454	-0.00021	0.000618	0.000334	0.000133	0	0	0	0	0	0
8	1057	7124.875	1	294	0	23454	-0.00022	0.000652	0.000358	0.000143	0	0	0	0	0	0
8	1057	2874.938	2	7470	0	23454	-0.00011	0.000324	0.000147	6.73E-05	0	2.92E-05	6.36E-06	7.27E-05	6.82E-05	0
8	1057	6374.938	2	1752	0	23454	-0.0002	0.000597	0.000322	0.000149	0	6.41E-05	1.56E-05	0.000182	0.000151	0
8	1057	5374.938	2	2910	0	23454	-0.00018	0.000526	0.000273	0.000126	0	5.42E-05	0.0000128	0.000137	0.0001273	0
8	1057	1624.938	2	29395	0	23454	-7.24E-05	0.000202	8.35E-05	3.81E-05	0	1.65E-05	3.46E-06	4.10E-05	3.86E-05	0
8	1057	1874.938	2	15912	0	23454	-8.13E-05	0.000228	9.63E-05	4.40E-05	0	1.91E-05	4.02E-06	4.74E-05	4.45E-05	0
8	1057	2124.938	2	12548	0	23454	-8.97E-05	0.000253	0.000109	4.98E-05	0	2.16E-05	4.59E-06	5.37E-05	5.04E-05	0
8	1057	3374.938	2	8288	0	23454	-0.00013	0.000368	0.000173	7.90E-05	0	3.42E-05	7.58E-06	8.55E-05	8.00E-05	0
8	1057	9624.938	2	793	0	23454	-0.00027	0.000804	0.000491	0.000224	0	0.000106	2.58E-05	0.000246	0.0002276	0
8	1057	6374.875	1	8212	0	23454	-0.0002	0.000601	0.000322	0.000128	0	0	0	0	0	0
8	1057	1124.938	2	50757	0	23454	-5.32E-05	0.000147	5.80E-05	2.64E-05	0	1.15E-05	2.35E-06	2.84E-05	0.0000287	0
9	1803	9124.938	2	2812	0	21798.71	-5.01E-05	0.000164	4.36E-05	2.47E-05	0	1.75E-05	0.0000417	2.44E-05	2.56E-05	0
9	1803	9624.938	2	232	0	21798.71	-0.00013	0.000442	0.000131	7.56E-05	0	5.77E-05	0.0001417	7.56E-05	7.85E-05	0
9	1803	2124.938	2	5264	0	21798.71	-3.6E-05	0.000115	2.97E-05	1.68E-05	0	1.19E-05	2.83E-06	1.68E-05	0.0000174	0
9	1803	8124.938	2	678	0	21798.71	-0.00012	0.000412	0.000111	6.39E-05	0	4.87E-05	0.0001097	6.37E-05	0.0000663	0
9	1803	8874.938	2	348	0	21798.71	-0.00012	0.000412	0.000111	6.98E-05	0	5.31E-05	0.00012	6.98E-05	7.24E-05	0
9	1803	7374.938	2	764	0	21798.71	-0.00011	0.000352	0.000101	5.81E-05	0	4.43E-05	9.94E-05	5.78E-05	0.0000602	0
9	1803	8374.875	1	800	0	21798.71	-0.00013	0.000396	0.000116	5.86E-05	0	0	0	0	0	0
9	1803	6124.938	2	1137	0	21798.71	-9.00E-05	0.0003	8.45E-05	4.83E-05	0	3.68E-05	8.23E-06	4.79E-05	5.00E-05	0
9	1803	7374.875	1	1418	0	21798.71	-0.00012	0.000355	0.000103	5.17E-05	0	0	0	0	0	0
9	1803	8624.938	2	434	0	21798.71	-0.00012	0.000402	0.000118	6.78E-05	0	5.16E-05	0.0001166	6.77E-05	7.04E-05	0
9	1803	9124.875	1	379	0	21798.71	-0.00014	0.000426	0.000126	6.38E-05	0	0	0	0	0	0
9	1803	6124.875	1	758	0	21798.71	-0.00013	0.000386	0.000113	5.69E-05	0	0	0	0	0	0
9	1803	7624.875	1	1161	0	21798.71	-0.00012	0.000365	0.000106	5.34E-05	0	0	0	0	0	0
9	1803	6874.958	3	483	0	21798.71	-9.03E-05	0.000328	9.35E-05	6.01E-05	0	4.32E-05	9.03E-05	5.24E-05	5.60E-05	0
9	1803	8874.875	1	476	0	21798.71	-0.00014	0.000416	0.000123	6.21E-05	0	0	0	0	0	0
9	1803	2624.958	3	91	0	21798.71	-3.96E-05	0.000138	3.62E-05	2.31E-05	0	1.54E-05	3.41E-05	1.99E-05	2.14E-05	0
9	1803	8124.958	3	18	0	21798.71	-0.0001	0.000378	0.00011	7.10E-05	0	5.09E-05	0.000107	6.19E-05	6.61E-05	0
9	1803	8374.938	2	1247	0	21798.71	-9.31E-05	0.00031	8.79E-05	5.03E-05	0	3.83E-05	8.57E-05	4.99E-05	5.21E-05	0
9	1803	1624.938	2	4163	0	21798.71	-2.77E-05	8.89E-05	2.28E-05	1.29E-05	0	9.15E-05	0.0000216	1.27E-05	1.33E-05	0
9	1803	6874.875	1	2127	0	21798.71	-0.00011									

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	EC_2 BET	EC_3 BET	EC_4 BET	EC_5 BET
9	1803	8124.875	1	587	0	21798.71	-0.00013	0.000386	0.000113	5.69E-05	0	0	0	0	0	0
9	1803	7624.938	2	59	0	21798.71	-0.00011	0.000362	0.000105	6.00E-05	0	4.58E-05	0.0001028	5.98E-05	6.22E-05	0
9	1803	5874.958	3	593	0	21798.71	-7.91E-05	0.000286	8.01E-05	5.14E-05	0	3.69E-05	7.70E-05	4.47E-05	4.78E-05	0
9	1803	7124.958	3	29	0	21798.71	-9.31E-05	0.000338	9.68E-05	6.23E-05	0	4.47E-05	9.33E-05	5.43E-05	5.80E-05	0
9	1803	8624.938	2	5	0	21798.71	-0.00012	0.000402	0.000118	6.78E-05	0	5.16E-05	0.0001188	6.77E-05	7.04E-05	0
9	1803	6624.875	1	1576	0	21798.71	-0.00011	0.000324	9.24E-05	4.65E-05	0	0	0	0	0	0
9	1803	4624.938	2	1666	0	21798.71	-7.06E-05	0.000234	6.41E-05	3.65E-05	0	2.78E-05	6.19E-05	3.62E-05	3.78E-05	0
9	1803	9874.875	1	77	0	21798.71	-0.00015	0.000457	0.000136	6.90E-05	0	0	0	0	0	0
9	1803	3374.875	1	11424	0	21798.71	-5.79E-05	0.000178	4.78E-05	2.38E-05	0	0	0	0	0	0
9	1803	4624.875	1	4825	0	21798.71	-7.66E-05	0.000236	6.49E-05	3.26E-05	0	0	0	0	0	0
9	1803	1874.875	1	36745	0	21798.71	-3.40E-05	0.000103	2.65E-05	1.33E-05	0	0	0	0	0	0
9	1803	2124.875	1	38176	0	21798.71	-3.82E-05	0.000116	3.01E-05	1.50E-05	0	0	0	0	0	0
9	1803	3374.958	3	803	0	21798.71	-4.9E-05	0.000174	4.64E-05	2.96E-05	0	1.97E-05	4.39E-05	2.56E-05	2.75E-05	0
9	1803	2374.875	1	35977	0	21798.71	-4.23E-05	0.000128	3.36E-05	1.69E-05	0	0	0	0	0	0
9	1803	4874.938	2	2433	0	21798.71	-7.39E-05	0.000245	6.76E-05	3.85E-05	0	2.93E-05	6.53E-05	3.81E-05	3.99E-05	0
9	1803	3374.938	2	2415	0	21798.71	-5.36E-05	0.000176	0.000047	2.67E-05	0	1.89E-05	4.51E-05	2.64E-05	2.76E-05	0
9	1803	3624.938	2	2739	0	21798.71	-5.70E-05	0.000188	5.04E-05	2.87E-05	0	2.18E-05	4.84E-05	2.83E-05	2.97E-05	0
9	1803	7124.938	2	77	0	21798.71	-0.0001	0.000341	9.80E-05	5.61E-05	0	4.28E-05	9.60E-05	5.58E-05	5.82E-05	0
9	1803	7874.938	2	17	0	21798.71	-0.00011	0.000372	0.000108	6.20E-05	0	4.72E-05	0.0001063	6.17E-05	6.43E-05	0
9	1803	3124.938	2	2823	0	21798.71	-5.01E-05	0.000184	4.36E-05	2.47E-05	0	1.75E-05	0.0000417	2.44E-05	2.56E-05	0
9	1803	8124.938	2	17	0	21798.71	-0.00011	0.000382	0.000111	6.39E-05	0	4.87E-05	0.0001097	6.37E-05	0.0000683	0
9	1803	5874.938	2	479	0	21798.71	-8.68E-05	0.000283	8.11E-05	4.64E-05	0	3.53E-05	0.0000789	4.60E-05	0.000048	0
9	1803	1624.938	2	5486	0	21798.71	-2.77E-05	8.89E-05	2.28E-05	1.29E-05	0	9.15E-06	0.0000216	1.27E-05	1.35E-05	0
9	1803	9624.875	1	101	0	21798.71	-0.00015	0.000446	0.000133	6.72E-05	0	0	0	0	0	0
9	1803	1124.938	2	4417	0	21798.71	-1.97E-05	6.25E-05	1.58E-05	8.92E-06	0	6.66E-06	1.49E-05	8.76E-06	9.22E-06	0
9	1803	2874.875	1	18174	0	21798.71	-5.02E-05	0.000153	4.06E-05	2.03E-05	0	0	0	0	0	0
9	1803	6374.875	1	1840	0	21798.71	-0.0001	0.000313	8.90E-05	4.48E-05	0	0	0	0	0	0
9	1803	874.9375	2	3182	0	21798.71	-1.6E-05	0.000049	1.23E-05	6.94E-06	0	5.16E-06	1.16E-05	6.81E-06	7.17E-06	0
9	1803	3624.938	2	2673	0	21798.71	-5.70E-05	0.000188	5.04E-05	2.87E-05	0	2.18E-05	4.84E-05	2.83E-05	2.97E-05	0
9	1803	6624.938	2	215	0	21798.71	-9.63E-05	0.000321	9.13E-05	6.22E-05	0	3.98E-05	8.91E-05	5.19E-05	0.0000541	0
9	1803	1374.938	2	4957	0	21798.71	-2.37E-05	7.58E-05	1.93E-05	1.09E-05	0	7.75E-06	1.83E-05	1.07E-05	1.13E-05	0
9	1803	374.9375	2	581	0	21798.71	-6.84E-06	2.14E-05	5.28E-06	2.98E-06	0	2.19E-06	4.97E-06	2.92E-06	3.07E-06	0
9	1803	1124.875	1	20538	0	21798.71	-2.11E-05	6.30E-05	1.80E-05	7.96E-06	0	0	0	0	0	0
9	1803	1374.875	1	41114	0	21798.71	-2.6E-05	7.65E-05	1.95E-05	9.72E-06	0	0	0	0	0	0
9	1803	874.875	1	14775	0	21798.71	-1.66E-05	4.94E-05	1.25E-05	8.19E-06	0	0	0	0	0	0
9	1803	5624.875	1	3021	0	21798.71	-9.10E-05	0.000281	7.87E-05	3.95E-05	0	0	0	0	0	0
9	1803	8874.875	1	173	0	21798.71	-0.00014	0.000416	0.000123	6.21E-05	0	0	0	0	0	0
9	1803	9124.875	1	155	0	21798.71	-0.00014	0.000426	0.000126	6.39E-05	0	0	0	0	0	0
9	1803	2874.938	2	3009	0	21798.71	-4.65E-05	0.000152	4.01E-05	2.29E-05	0	1.61E-05	3.83E-05	2.24E-05	2.35E-05	0
9	1803	2624.938	2	3458	0	21798.71	-4.29E-05	0.00014	3.67E-05	2.09E-05	0	1.47E-05	3.50E-05	2.05E-05	2.15E-05	0
9	1803	3374.938	2	2691	0	21798.71	-5.36E-05	0.000176	0.000047	2.67E-05	0	1.89E-05	4.51E-05	2.64E-05	2.76E-05	0
9	1803	6874.938	2	239	0	21798.71	-9.94E-05	0.000331	9.46E-05	5.42E-05	0	4.13E-05	9.26E-05	5.39E-05	5.61E-05	0
9	1803	499.9583	3	509	0	21798.71	-8.41E-06	2.81E-05	6.94E-06	4.40E-06	0	3.06E-06	6.48E-06	3.78E-06	4.08E-06	0
9	1803	6874.958	3	85	0	21798.71	-9.03E-05	0.000328	9.35E-05	6.01E-05	0	4.32E-05	9.03E-05	5.24E-05	5.60E-05	0
9	1803	4124.938	2	2044	0	21798.71	-6.39E-05	0.000211	5.73E-05	3.26E-05	0	2.48E-05	5.52E-05	3.22E-05	3.37E-05	0
9	1803	4374.938	2	2211	0	21798.71	-6.72E-05	0.000222	6.07E-05	3.46E-05	0	2.63E-05	5.66E-05	3.42E-05	3.58E-05	0
9	1803	7374.938	2	89	0	21798.71	-0.00011	0.000352	0.000101	5.81E-05	0	4.43E-05	9.94E-05	5.78E-05	0.0000602	0
9	1803	4874.938	2	1540	0	21798.71	-7.39E-05	0.000245	6.76E-05	3.85E-05	0	2.93E-05	6.53E-05	3.81E-05	3.99E-05	0
9	1803	5124.958	3	1582	0	21798.71	-7E-05	0.000254	7.01E-05	4.49E-05	0	3.22E-05	6.70E-05	3.90E-05	4.18E-05	0
9	1803	3624.958	3	1036	0	21798.71	-5.2E-05	0.000188	4.98E-05	3.18E-05	0	2.12E-05	4.72E-05	2.75E-05	2.96E-05	0
9	1803	1874.938	2	4831	0	21798.71	-3.17E-05	0.000102	2.63E-05	1.49E-05	0	1.05E-05	2.49E-05	1.46E-05	1.54E-05	0
9	1803	5374.938	2	755	0	21798.71	-8.04E-05	0.000267	7.44E-05	4.24E-05	0	3.23E-05	0.0000721	4.20E-05	4.39E-05	0
9	1803	6374.938	2	239	0	21798.71	-9.31E-05	0.00031	8.79E-05	5.03E-05	0	3.83E-05	8.57E-05	4.59E-05	5.21E-05	0
9	1803	6124.958	3	401	0	21798.71	-8.2E-05	0.000297	8.35E-05	5.36E-05	0	3.85E-05	8.03E-05	4.66E-05	4.99E-05	0
9	1803	2374.938	2	3992	0	21798.71	-3.93E-05	0.000127	3.32E-05	1.88E-05	0	1.33E-05	3.16E-05	1.85E-05	1.9E-05	0
9	1803	5374.958	3	1414	0	21798.71	-7.33E-05	0.00022	7.34E-05	4.71E-05	0	3.38E-05	7.03E-05	4.09E-05	4.25E-05	0
9	1803	4374.938	3	1696	0	21798.71	-6.15E-05	0.00022	6.00E-05	3.84E-05	0	2.75E-05	0.0000571	3.32E-05	3.4E-05	0
9	1803	4624.958	3	1636	0	21798.71	-6.45E-05	0.000232	6.33E-05	4.05E-05	0	2.91E-05	6.04E-05	3.51E-05	3.77E-05	0
9	1803	4124.958	3	1408	0	21798.71	-5.84E-05	0.000209	5.66E-05	3.62E-05	0	2.59E-05	0.0000538	3.13E-05	3.36E-05	0
9	1803	7374.958	3	23	0	21798.71	-9.58E-05	0.000348	0.0001	6.45E-05	0	4.63E-05	9.70E-05	5.62E-05	6.00E-05	0
9	1803	1374.958	3	173	0	21798.71	-2.20E-05	7.51E-05	1.80E-05	1.21E-05	0	8.11E-06	1.78E-05	1.04E-05	1.12E-05	0
9	1803	3124.958	3	521	0	21798.71	-4.61E-05	0.000162	4.30E-05	2.74E-05	0	1.83E-05	4.07E-05	2.37E-05	2.55E-05	0
9	1803	5124.938	2	269	0	21798.71	-0.00013	0.000422	0.000125	7.17E-05	0	5.48E-05	0.0001235	7.16E-05	7.44E-05	0
9	1803	3874.958	3	1180	0	21798.71	-5.54E-05	0.000198	5.32E-05	3.40E-05	0	2.26E-05	5.05E-05	2.94E-05	3.16E-05	0
9	1803	5124.938	2	1168	0	21798.71	-7.71E-05	0.000256	7.10E-05	4.05E-05	0	3.08E-05	0.0000687	4.01E-05	4.19E-05	0
9	1803	4874.875	1	4531	0	21798.71	-8.03E-05	0.000247	6.84E-05	3.43E-05	0	0	0	0	0	0
9	1803	374.875	1	35209	0	21798.71	-7.31E-06	2.15E-05	5.34E-06	2.66E-06	0	0	0	0	0	0
9	1803	4374.875	1	5952	0	21798.71	-7.30E-05	0.000224	6.15E-05	3.08E-05	0	0	0	0	0	0
9	1803	2624.875	1	25529	0	21798.71	-4.63E-05	0.000141	3.71E-05	1.85E-05	0	0	0	0	0	0
9	1803	1874.875	1	40948	0	21798.71	-3.40E-05	0.000103	2.66E-05	1.33E-05	0	0	0	0	0	0
9	1803	6874.875	1	1342	0	21798.71										

STATE	SECTION	W_LOAD	AXLE TPE	COUNT	R_COUNT	D	E2_Psi	EL_1	EC_2	EC_3	EC_4	EC_5	EL_1_BET	EC_2_BET	EC_3_BE	EC_4_BET	EC_5_BET
9	1803	6124.938	2	389	0	21798.71	-9.00E-05	0.00003	8.45E-05	4.83E-05	0	3.68E-05	8.23E-05	4.79E-05	5.00E-05	0	0
9	1803	8624.875	1	311	0	21798.71	-0.00013	0.000406	0.000119	6.03E-05	0	0	0	0	0	0	0
9	1803	4124.875	1	8779	0	21798.71	-6.93E-05	0.000213	5.80E-05	2.91E-05	0	0	0	0	0	0	0
9	1803	1374.875	1	30160	0	21798.71	-2.6E-05	7.65E-05	1.95E-05	9.72E-06	0	0	0	0	0	0	0
9	1803	7124.958	3	299	0	21798.71	-9.31E-05	0.000338	9.68E-05	6.23E-05	0	4.47E-05	9.36E-05	5.43E-05	5.80E-05	0	0
9	1803	374.875	1	452	0	21798.71	-7.31E-06	2.15E-05	5.34E-06	2.66E-06	0	0	0	0	0	0	0
9	1803	1874.938	2	5404	0	21798.71	-3.17E-05	0.000102	2.63E-05	1.49E-05	0	1.05E-05	2.49E-05	1.46E-05	1.54E-05	0	0
9	1803	3874.875	1	10766	0	21798.71	-6.55E-05	0.000201	5.46E-05	2.73E-05	0	0	0	0	0	0	0
9	1803	9874.938	2	48	0	21798.71	-0.00014	0.000453	0.000135	7.76E-05	0	5.91E-05	0.0001455	7.76E-05	0.0000805	0	0
9	1803	3124.958	3	421	0	21798.71	-4.61E-05	0.000182	4.30E-05	2.74E-05	0	1.83E-05	4.07E-05	2.37E-05	2.55E-05	0	0
9	1803	7124.938	2	990	0	21798.71	-0.0001	0.000341	9.80E-05	5.61E-05	0	4.28E-05	9.60E-05	5.58E-05	5.82E-05	0	0
9	1803	8624.875	1	525	0	21798.71	-0.00013	0.000406	0.000119	6.03E-05	0	0	0	0	0	0	0
9	1803	6624.938	2	935	0	21798.71	-9.63E-05	0.000321	9.13E-05	5.22E-05	0	3.98E-05	8.91E-05	5.19E-05	0.0000541	0	0
9	1803	6374.875	1	2323	0	21798.71	-0.0001	0.000313	8.90E-05	4.48E-05	0	0	0	0	0	0	0
9	1803	2624.875	1	33401	0	21798.71	-4.63E-05	0.000141	3.71E-05	1.85E-05	0	0	0	0	0	0	0
9	1803	1624.875	1	35748	0	21798.71	-2.98E-05	8.97E-05	2.31E-05	1.15E-05	0	0	0	0	0	0	0
9	1803	10124.88	1	36	0	21798.71	-0.00015	0.000468	0.000139	7.07E-05	0	0	0	0	0	0	0
9	1803	4874.875	1	5521	0	21798.71	-8.03E-05	0.000247	6.84E-05	3.43E-05	0	0	0	0	0	0	0
9	1803	6624.958	3	690	0	21798.71	-8.75E-05	0.000318	9.01E-05	5.80E-05	0	4.16E-05	8.69E-05	5.04E-05	5.39E-05	0	0
9	1803	5624.958	3	904	0	21798.71	-7.6E-05	0.000275	7.68E-05	4.93E-05	0	3.54E-05	7.36E-05	4.23E-05	4.56E-05	0	0
9	1803	2124.875	1	35451	0	21798.71	-3.82E-05	0.000116	3.01E-05	1.50E-05	0	0	0	0	0	0	0
9	1803	7874.958	3	97	0	21798.71	-0.0001	0.000369	0.000107	6.89E-05	0	4.94E-05	0.0001036	6.00E-05	6.41E-05	0	0
9	1803	5874.875	1	3118	0	21798.71	-9.46E-05	0.000292	8.21E-05	4.13E-05	0	0	0	0	0	0	0
9	1803	1874.958	3	41	0	21798.71	-2.93E-05	0.000101	2.59E-05	1.65E-05	0	1.10E-05	2.43E-05	1.42E-05	0.0000153	0	0
9	1803	3874.938	2	2541	0	21798.71	-6.05E-05	0.000199	5.39E-05	3.06E-05	0	2.33E-05	5.18E-05	3.03E-05	3.17E-05	0	0
9	1803	9624.875	1	348	0	21798.71	-0.00015	0.000446	0.000133	6.72E-05	0	0	0	0	0	0	0
9	1803	7874.875	1	1051	0	21798.71	-0.00012	0.000376	0.000109	5.52E-05	0	0	0	0	0	0	0
9	1803	4624.938	2	2993	0	21798.71	-7.06E-05	0.000234	6.41E-05	3.65E-05	0	2.78E-05	6.19E-05	3.62E-05	3.78E-05	0	0
9	1803	4124.958	3	1626	0	21798.71	-5.84E-05	0.000209	5.06E-05	3.62E-05	0	2.59E-05	0.0000538	3.13E-05	3.36E-05	0	0
9	1803	4374.875	1	774	0	21798.71	-7.30E-05	0.000224	6.15E-05	3.08E-05	0	0	0	0	0	0	0
9	1803	874.875	1	1742	0	21798.71	-1.66E-05	4.94E-05	1.25E-05	6.19E-06	0	0	0	0	0	0	0
9	1803	5874.958	3	1069	0	21798.71	-7.91E-05	0.000283	8.01E-05	5.14E-05	0	3.69E-05	7.70E-05	4.47E-05	4.78E-05	0	0
9	1803	9374.875	1	354	0	21798.71	-0.00014	0.000438	0.00013	6.55E-05	0	0	0	0	0	0	0
9	1803	5624.938	2	1565	0	21798.71	-8.36E-05	0.000278	7.77E-05	4.44E-05	0	3.38E-05	0.0000755	0.000044	4.60E-05	0	0
9	1803	874.9375	2	1875	0	21798.71	-1.6E-05	0.000049	1.23E-05	6.94E-06	0	5.16E-06	1.16E-05	6.81E-06	7.17E-06	0	0
9	1803	6124.958	3	1014	0	21798.71	-8.2E-05	0.000297	8.35E-05	5.36E-05	0	3.85E-05	8.03E-05	4.89E-05	4.99E-05	0	0
9	1803	5124.958	3	1424	0	21798.71	-7E-05	0.000254	7.01E-05	4.49E-05	0	3.22E-05	6.70E-05	3.90E-05	4.18E-05	0	0
9	1803	3624.958	3	1186	0	21798.71	-5.2E-05	0.000186	4.98E-05	3.18E-05	0	2.12E-05	4.72E-05	2.75E-05	2.96E-05	0	0
9	1803	4624.958	3	1585	0	21798.71	-6.45E-05	0.000232	6.33E-05	4.05E-05	0	2.91E-05	6.04E-05	3.51E-05	3.77E-05	0	0
9	1803	6374.958	3	776	0	21798.71	-8.47E-05	0.000307	8.68E-05	5.58E-05	0	4.01E-05	0.0000836	4.85E-05	0.0000519	0	0
9	1803	7624.958	3	91	0	21798.71	-9.85E-05	0.000358	0.000103	6.66E-05	0	4.78E-05	0.0001003	5.81E-05	6.20E-05	0	0
9	1803	5124.938	2	1993	0	21798.71	-7.71E-05	0.000256	7.10E-05	4.05E-05	0	3.08E-05	0.0000687	4.01E-05	4.19E-05	0	0
9	1803	5374.958	3	1198	0	21798.71	-7.33E-05	0.000265	7.34E-05	4.71E-05	0	3.38E-05	7.03E-05	4.09E-05	4.38E-05	0	0
9	1803	2874.875	1	27898	0	21798.71	-5.02E-05	0.000153	4.06E-05	2.03E-05	0	0	0	0	0	0	0
9	1803	2374.875	1	36733	0	21798.71	-4.23E-05	0.000128	3.36E-05	1.68E-05	0	0	0	0	0	0	0
9	1803	2624.938	2	4438	0	21798.71	-4.29E-05	0.00014	3.67E-05	2.08E-05	0	1.47E-05	3.60E-05	2.05E-05	2.15E-05	0	0
9	1803	1874.958	3	85	0	21798.71	-2.93E-05	0.000101	2.59E-05	1.65E-05	0	1.10E-05	2.43E-05	1.42E-05	0.0000153	0	0
9	1803	4874.958	3	1540	0	21798.71	-6.75E-05	0.000243	6.67E-05	4.27E-05	0	3.07E-05	0.0000637	3.71E-05	3.97E-05	0	0
9	1803	6124.875	1	2769	0	21798.71	-9.81E-05	0.000302	8.56E-05	4.30E-05	0	0	0	0	0	0	0
9	1803	374.9375	2	324	0	21798.71	-6.94E-06	2.14E-05	5.28E-06	2.98E-06	0	2.19E-06	4.97E-06	2.92E-06	3.07E-06	0	0
9	1803	1124.875	1	13603	0	21798.71	-2.11E-05	6.30E-05	1.60E-05	7.96E-06	0	0	0	0	0	0	0
9	1803	7374.958	3	269	0	21798.71	-9.58E-05	0.000348	0.0001	6.45E-05	0	4.63E-05	9.70E-05	5.62E-05	6.00E-05	0	0
9	1803	6374.938	2	623	0	21798.71	-0.00012	0.000392	0.000115	6.59E-05	0	5.02E-05	0.0001131	6.57E-05	6.83E-05	0	0
9	1803	3874.958	3	1455	0	21798.71	-5.54E-05	0.000198	5.32E-05	3.40E-05	0	2.26E-05	5.05E-05	2.94E-05	3.16E-05	0	0
9	1803	9374.938	2	195	0	21798.71	-0.00013	0.000431	0.000129	7.37E-05	0	5.60E-05	0.0001269	7.36E-05	7.64E-05	0	0
9	1803	2374.938	2	5325	0	21798.71	-3.93E-05	0.000127	3.32E-05	1.88E-05	0	1.33E-05	3.16E-05	1.85E-05	1.94E-05	0	0
9	1803	5874.938	2	1400	0	21798.71	-6.08E-05	0.000289	8.11E-05	4.64E-05	0	3.53E-05	0.0000789	4.60E-05	0.000048	0	0
9	1803	4124.938	2	3167	0	21798.71	-6.39E-05	0.000211	5.73E-05	3.26E-05	0	2.48E-05	5.52E-05	3.22E-05	3.37E-05	0	0
9	1803	2874.938	2	3038	0	21798.71	-4.65E-05	0.000152	4.01E-05	2.28E-05	0	1.51E-05	3.83E-05	2.24E-05	2.35E-05	0	0
9	1803	5124.875	1	4188	0	21798.71	-8.39E-05	0.000258	7.18E-05	3.60E-05	0	0	0	0	0	0	0
9	1803	5374.875	1	3772	0	21798.71	-8.75E-05	0.00027	7.53E-05	3.78E-05	0	0	0	0	0	0	0
9	1803	3624.875	1	12203	0	21798.71	-6.18E-05	0.000189	5.11E-05	2.56E-05	0	0	0	0	0	0	0
9	1803	4374.958	3	1656	0	21798.71	-6.15E-05	0.00022	6.00E-05	3.84E-05	0	2.75E-05	0.0000571	3.32E-05	3.57E-05	0	0
9	1803	4374.938	2	2653	0	21798.71	-6.72E-05	0.000222	6.07E-05	3.46E-05	0	2.63E-05	5.86E-05	3.42E-05	3.58E-05	0	0
9	1803	3124.875	1	20677	0	21798.71	-5.41E-05	0.000195	4.41E-05	2.20E-05	0	0	0	0	0	0	0
9	1803	7874.938	2	580	0	21798.71	-0.00011	0.000372	0.000108	6.20E-05	0	4.72E-05	0.0001063	6.17E-05	6.43E-05	0	0
9	1803	5624.875	1	3705	0	21798.71	-9.10E-05	0.000281	7.87E-05	3.95E-05	0	0	0	0	0	0	0
9	1803	7824.938	2	770	0	21798.71	-0.00011	0.000382	0.000106	6.00E-05	0	4.58E-05	0.0001028	5.98E-05	6.22E-05	0	0
9	1803	3124.875	1	1479	0	21798.71	-0.00011	0.000345	3.92E-05	5.00E-05	0	0	0	0	0		

STATE	SECTION	W LOAD	AXLE TYPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	EC 2 BET	EC 3 BET	EC 4 BET	EC 5 BET
12	1030	3874.875	1	28791	24743	74725.47	-0.00014	0.000375	8.48E-05	2.56E-05	0	0	0	0	0	0
12	1030	6874.875	1	26111	2244	74725.47	-0.00018	0.000499	0.000114	4.53E-05	0	0	0	0	0	0
12	1030	7624.875	1	870	748	74725.47	-0.00018	0.000522	0.000126	5.02E-05	0	0	0	0	0	0
12	1030	4874.938	2	4352	3740	74725.47	-0.00015	0.000422	8.43E-05	3.98E-05	0	1.629E-05	1.23E-05	5.07E-05	4.16E-05	0
12	1030	1374.958	3	870	748	74725.47	-7.49E-05	0.000192	2.49E-05	1.34E-05	0	4.451E-06	3.52E-06	1.43E-05	1.24E-05	0
12	1030	7374.875	1	870	748	74725.47	-0.00018	0.000514	0.000122	4.86E-05	0	0	0	0	0	0
12	1030	5874.875	1	11332	9739	74725.47	-0.00017	0.000464	9.78E-05	3.87E-05	0	0	0	0	0	0
12	1030	1874.875	1	141395	121516	74725.47	-9.25E-05	0.00024	3.18E-05	1.24E-05	0	0	0	0	0	0
12	1030	4624.875	1	27067	23261	74725.47	-0.00015	0.000412	7.71E-05	3.08E-05	0	0	0	0	0	0
12	1030	5124.875	1	22698	19507	74725.47	-0.00016	0.000434	8.53E-05	3.38E-05	0	0	0	0	0	0
12	1030	1374.938	2	31402	28987	74725.47	-7.51E-05	0.000193	2.40E-05	1.13E-05	0	0.000045	3.41E-06	1.43E-05	1.17E-05	0
12	1030	6374.958	3	870	748	74725.47	-0.00017	0.000479	0.000114	6.18E-05	0	2.126E-05	0.0000186	6.65E-05	5.72E-05	0
12	1030	499.9583	3	1740	1496	74725.47	-3.39E-05	8.48E-05	9.07E-06	4.87E-06	0	1.61E-06	1.27E-06	5.18E-06	4.50E-06	0
12	1030	874.875	1	870	748	74725.47	-5.39E-05	0.000136	1.48E-05	5.81E-06	0	0	0	0	0	0
12	1030	4374.958	3	870	748	74725.47	-0.00015	0.000398	7.85E-05	4.25E-05	0	1.442E-05	1.13E-05	4.55E-05	0.0000393	0
12	1030	5874.938	2	3498	3008	74725.47	-0.00017	0.000462	0.000101	4.79E-05	0	1.975E-05	1.48E-05	6.12E-05	5.01E-05	0
12	1030	2374.875	1	137879	118495	74725.47	-0.00011	0.000281	3.98E-05	1.67E-05	0	0	0	0	0	0
12	1030	374.875	1	15701	13493	74725.47	-2.65E-05	6.58E-05	6.34E-06	2.49E-06	0	0	0	0	0	0
12	1030	3124.875	1	61097	52508	74725.47	-0.00012	0.000332	5.24E-05	2.07E-05	0	0	0	0	0	0
12	1030	4374.875	1	22698	19507	74725.47	-0.00015	0.0004	7.30E-05	2.89E-05	0	0	0	0	0	0
12	1030	3374.875	1	53247	45761	74725.47	-0.00013	0.000347	5.65E-05	2.23E-05	0	0	0	0	0	0
12	1030	4124.938	2	12219	10501	74725.47	-0.00014	0.000387	7.15E-05	3.37E-05	0	1.373E-05	1.04E-05	4.29E-05	3.52E-05	0
12	1030	4374.938	2	8737	7509	74725.47	-0.00015	0.000399	7.58E-05	3.57E-05	0	1.458E-05	1.10E-05	4.55E-05	3.73E-05	0
12	1030	4874.958	3	870	748	74725.47	-0.00015	0.000421	8.74E-05	4.73E-05	0	1.611E-05	1.26E-05	5.08E-05	4.38E-05	0
12	1030	3124.938	2	18329	15752	74725.47	-0.00012	0.000331	5.43E-05	2.55E-05	0	1.034E-05	7.82E-06	3.24E-05	2.67E-05	0
12	1030	1624.875	1	94241	80992	74725.47	-8.43E-05	0.000218	2.74E-05	1.08E-05	0	0	0	0	0	0
12	1030	2874.938	2	26179	22499	74725.47	-0.00012	0.000315	5.00E-05	2.35E-05	0	9.499E-06	7.19E-06	2.98E-05	2.45E-05	0
12	1030	3624.938	2	20940	17996	74725.47	-0.00013	0.00036	6.29E-05	2.96E-05	0	1.203E-05	9.08E-06	3.77E-05	3.08E-05	0
12	1030	1624.938	2	29678	25506	74725.47	-8.41E-05	0.000217	2.84E-05	1.33E-05	0	5.327E-06	4.04E-06	1.68E-05	1.39E-05	0
12	1030	2374.938	2	17442	14990	74725.47	-0.00011	0.00028	4.14E-05	1.94E-05	0	7.823E-06	5.93E-06	2.46E-05	2.03E-05	0
12	1030	2624.938	2	14830	12745	74725.47	-0.00011	0.000298	4.67E-05	2.15E-05	0	8.68E-06	6.56E-06	2.72E-05	0.0000224	0
12	1030	3374.938	2	17442	14990	74725.47	-0.00013	0.000348	5.88E-05	2.76E-05	0	1.116E-05	8.45E-06	3.51E-05	2.88E-05	0
12	1030	5124.938	2	6963	5984	74725.47	-0.00018	0.000433	8.85E-05	4.18E-05	0	1.715E-05	1.29E-05	5.33E-05	4.37E-05	0
12	1030	6124.938	2	3481	2992	74725.47	-0.00017	0.000471	0.000106	4.99E-05	0	2.062E-05	1.55E-05	6.38E-05	5.22E-05	0
12	1030	4624.938	2	8721	7495	74725.47	-0.00015	0.000411	8.00E-05	3.77E-05	0	1.544E-05	1.16E-05	4.81E-05	3.94E-05	0
12	1030	8624.938	2	870	748	74725.47	-0.00019	0.000548	0.000147	7.01E-05	0	2.943E-05	2.19E-05	9.01E-05	7.34E-05	0
12	1030	5374.938	2	6093	5236	74725.47	-0.00016	0.000443	9.28E-05	4.38E-05	0	1.802E-05	1.38E-05	5.59E-05	4.58E-05	0
12	1030	6374.938	2	4368	3754	74725.47	-0.00017	0.00048	0.00011	5.19E-05	0	2.149E-05	1.61E-05	6.64E-05	5.43E-05	0
12	1030	1874.938	2	27937	24009	74725.47	-9.22E-05	0.00024	3.27E-05	1.53E-05	0	6.156E-06	4.67E-06	1.94E-05	1.60E-05	0
12	1030	6624.875	1	1740	1496	74725.47	-0.00017	0.00049	0.00011	4.37E-05	0	0	0	0	0	0
12	1030	2124.938	2	22681	19492	74725.47	-9.96E-05	0.000261	3.71E-05	1.74E-05	0	5.988E-06	5.30E-06	2.20E-05	1.81E-05	0
12	1030	1124.938	2	27937	24009	74725.47	-8.51E-05	0.000166	1.97E-05	9.21E-06	0	3.678E-06	2.79E-06	1.17E-05	9.61E-06	0
12	1030	2874.875	1	95128	81754	74725.47	-0.00012	0.000316	4.82E-05	1.90E-05	0	0	0	0	0	0
12	1030	6374.875	1	3481	2992	74725.47	-0.00017	0.000482	0.000106	4.20E-05	0	0	0	0	0	0
12	1030	3624.875	1	40105	34468	74725.47	-0.00013	0.000361	6.06E-05	2.40E-05	0	0	0	0	0	0
12	1030	6124.875	1	5222	4488	74725.47	-0.00017	0.000473	0.000102	4.04E-05	0	0	0	0	0	0
12	1030	5624.875	1	15701	13493	74725.47	-0.00018	0.000454	9.35E-05	3.71E-05	0	0	0	0	0	0
12	1030	5374.875	1	20086	17262	74725.47	-0.00018	0.000444	8.94E-05	3.55E-05	0	0	0	0	0	0
12	1030	374.9375	2	7850	6746	74725.47	-2.64E-05	6.57E-05	6.57E-06	3.07E-06	0	1.219E-06	9.27E-07	3.89E-06	3.20E-06	0
12	1030	7624.938	2	870	748	74725.47	-0.00018	0.00052	0.000131	6.20E-05	0	2.589E-05	1.94E-05	7.96E-05	6.49E-05	0
12	1030	874.9375	2	11332	9739	74725.47	-5.4E-05	0.000136	1.53E-05	7.16E-06	0	2.856E-06	2.17E-06	9.06E-06	7.47E-06	0
12	1030	3874.938	2	22698	19507	74725.47	-0.00014	0.000374	6.72E-05	3.18E-05	0	1.287E-05	9.72E-06	4.03E-05	3.31E-05	0
12	1030	6624.938	2	3481	2992	74725.47	-0.00017	0.000489	0.000114	5.39E-05	0	2.236E-05	1.68E-05	6.90E-05	5.64E-05	0
12	1030	7124.875	1	1740	1496	74725.47	-0.00018	0.000507	0.000118	4.69E-05	0	0	0	0	0	0
12	3996	524.875	1	29612	24984	89566	-0.00016	0.00057	0.000128	4.60E-05	0	0	0	0	0	0
12	3996	3374.875	1	60422	50978	89566	-0.00017	0.000617	9.36E-05	3.37E-05	0	0	0	0	0	0
12	3996	6374.875	1	1944	1640	89566	-0.00014	0.00066	0.000174	6.33E-05	0	0	0	0	0	0
12	3996	4124.875	1	30016	25325	89566	-0.00016	0.000652	0.000114	4.11E-05	0	0	0	0	0	0
12	3996	374.875	1	56937	48038	89566	-9.90E-05	0.000265	1.05E-05	3.77E-06	0	0	0	0	0	0
12	3996	874.875	1	14417	12184	89566	-0.00015	0.000422	2.45E-05	8.77E-06	0	0	0	0	0	0
12	3996	3124.875	1	64714	54600	89566	-0.00017	0.000629	8.68E-05	3.12E-05	0	0	0	0	0	0
12	3996	2874.875	1	123207	103951	89566	-0.00017	0.00062	7.99E-05	2.87E-05	0	0	0	0	0	0
12	3996	5624.875	1	9347	7896	89566	-0.00015	0.000661	0.000154	5.59E-05	0	0	0	0	0	0
12	3996	3624.875	1	45989	38801	89566	-0.00017	0.000643	0.0001	3.61E-05	0	0	0	0	0	0
12	3996	4374.875	1	35475	29931	89566	-0.00016	0.000655	0.000121	4.36E-05	0	0	0	0	0	0
12	3996	5124.875	1	18709	15785	89566	-0.00015	0.00066	0.000141	5.10E-05	0	0	0	0	0	0
12	3996	2374.875	1	228870	193101	89566	-0.00017	0.000596	6.62E-05	2.37E-05	0	0	0	0	0	0
12	3996	6374.938	2	1555	1312	89566	-0.00014	0.000659	0.000178	7.68E-05	0	8.843E-06	1.97E-05	7.34E-05	0.0000762	0
12	3996	499.9583	3	1555	1312	89566	-0.00012	0.000316	1.46E-05	6.97E-06	0	4.43E-07	1.50E-06	5.61E-06	6.23E-06	0
12	3996	5874.875	1	3499	2952	89566	-0.00014	0.000661	0.000161	5.84E-05	0	0	0	0	0	0
12	3996	3874.958	3	388	328	89566	-0.00017	0.000646	0.000112	5.38E-05	0	3.619E-06	1.19E-05	4.39E-05	4.82E-05	0
1																

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1_BET	EC_2_BET	EC_3_BET	EC_4_BET	EC_5_BET
12	3996	6624.875	1	388	328	89566	-0.00014	0.000659	0.000181	6.58E-05	0	0	0	0	0	0
12	3996	2624.938	2	24557	20719	89566	-0.00018	0.000608	7.45E-05	3.14E-05	0	0.352E-06	7.99E-05	2.99E-05	3.14E-05	0
12	3996	2124.938	2	74869	63188	89566	-0.00017	0.000579	6.05E-05	2.54E-05	0	0.2835E-06	6.45E-05	2.42E-05	2.54E-05	0
12	3996	2874.938	2	23779	20063	89566	-0.00017	0.000619	8.15E-05	3.43E-05	0	0.3865E-06	8.78E-05	3.26E-05	3.44E-05	0
12	3996	7374.875	1	388	328	89566	-0.00013	0.000655	0.000201	7.31E-05	0	0	0	0	0	0
12	3996	8124.938	2	1166	984	89566	-0.00012	0.000647	0.000225	9.64E-05	0	0.1142E-05	2.53E-05	9.38E-05	9.71E-05	0
12	3996	1874.875	1	278793	235221	89566	-0.00017	0.00056	5.24E-05	1.88E-05	0	0	0	0	0	0
12	3996	5624.938	2	13250	11179	89566	-0.00015	0.00066	0.000158	6.70E-05	0	0.755E-06	1.74E-05	6.46E-05	6.73E-05	0
12	3996	5374.875	1	14821	12504	89566	-0.00015	0.000661	0.000148	5.34E-05	0	0	0	0	0	0
12	3996	6124.875	1	2721	2296	89566	-0.00014	0.000661	0.000169	6.08E-05	0	0	0	0	0	0
12	3996	6874.875	1	388	328	89566	-0.00013	0.000658	0.000188	6.62E-05	0	0	0	0	0	0
12	3996	6124.938	2	3125	2637	89566	-0.00014	0.000659	0.000171	7.29E-05	0	0.8478E-06	1.89E-05	7.04E-05	7.32E-05	0
12	3996	1624.875	1	143113	120746	89566	-0.00017	0.000638	4.54E-05	1.83E-05	0	0	0	0	0	0
12	3996	2624.875	1	143876	121390	89566	-0.00017	0.000609	7.31E-05	2.62E-05	0	0	0	0	0	0
12	3996	4874.875	1	19876	16769	89566	-0.00016	0.000659	0.000134	4.85E-05	0	0	0	0	0	0
12	3996	4874.938	2	20265	17098	89566	-0.00016	0.000658	0.000137	5.81E-05	0	0.677E-06	0.000015	5.59E-05	0.0000583	0
12	3996	5874.938	2	5847	4933	89566	-0.00015	0.00066	0.000164	6.99E-05	0	0.117E-06	1.82E-05	6.75E-05	7.02E-05	0
12	3996	8624.875	1	388	328	89566	-0.00012	0.000645	0.000234	8.53E-05	0	0	0	0	0	0
12	3996	3874.938	2	33920	28618	89566	-0.00017	0.000647	0.000109	4.62E-05	0	0.26E-06	1.19E-05	4.43E-05	4.64E-05	0
12	3996	5124.938	2	12488	10536	89566	-0.00016	0.000659	0.000144	6.10E-05	0	0.7035E-06	1.58E-05	5.88E-05	6.13E-05	0
12	3996	1124.875	1	132180	111522	89566	-0.00016	0.00047	3.15E-05	1.13E-05	0	0	0	0	0	0
12	3996	1374.875	1	106037	89485	89566	-0.00016	0.000507	3.85E-05	1.38E-05	0	0	0	0	0	0
12	3996	2124.875	1	286974	242123	89566	-0.00017	0.00058	5.93E-05	2.12E-05	0	0	0	0	0	0
12	3996	3874.875	1	38975	32883	89566	-0.00017	0.000648	0.000107	3.86E-05	0	0	0	0	0	0
12	3996	8374.938	2	388	328	89566	-0.00012	0.000645	0.000232	9.94E-05	0	0.1182E-05	2.61E-05	9.68E-05	0.0001	0
12	3996	1624.938	2	99442	83900	89566	-0.00017	0.000536	4.64E-05	1.94E-05	0	0.2157E-06	4.92E-06	1.85E-05	1.95E-05	0
12	3996	4124.938	2	53018	44732	89566	-0.00017	0.000651	0.000116	4.92E-05	0	0.5612E-06	1.27E-05	4.72E-05	4.94E-05	0
12	3996	3624.938	2	24168	20391	89566	-0.00017	0.000642	0.000103	4.33E-05	0	0.4908E-06	1.11E-05	4.14E-05	4.34E-05	0
12	3996	2874.958	3	777	656	89566	-0.00018	0.000618	8.32E-05	4.00E-05	0	0.2847E-06	8.76E-06	3.25E-05	3.58E-05	0
12	3996	3124.938	2	19098	16113	89566	-0.00017	0.000628	8.85E-05	3.73E-05	0	0.4211E-06	9.54E-06	3.57E-05	0.0000374	0
12	3996	3374.938	2	17528	14788	89566	-0.00017	0.000636	9.55E-05	4.03E-05	0	0.455E-06	1.03E-05	3.86E-05	4.04E-05	0
12	3996	4374.938	2	44852	37842	89566	-0.00016	0.000654	0.000123	5.22E-05	0	0.596E-06	1.34E-05	5.01E-05	5.23E-05	0
12	3996	1124.958	3	388	328	89566	-0.00016	0.000469	3.28E-05	1.57E-05	0	0.1007E-06	3.39E-06	1.27E-05	1.40E-05	0
12	3997	4374.875	1	49049	46082	21024.35	-0.00035	0.001004	0.000134	4.92E-05	0	0	0	0	0	0
12	3997	1624.875	1	225846	212182	21024.35	-0.00019	0.000509	5.03E-05	1.83E-05	0	0	0	0	0	0
12	3997	7374.938	2	1165	1094	21024.35	-0.00046	0.001367	0.000224	9.62E-05	0	0.000848	4.63E-05	0.000123	9.91E-05	0
12	3997	8624.938	2	388	364	21024.35	-0.0005	0.001491	0.000261	0.000112	0	0.0001104	5.39E-05	0.000144	0.0001159	0
12	3997	4874.938	2	98517	82557	21024.35	-0.00037	0.001072	0.000149	6.38E-05	0	0.5562E-05	3.09E-05	8.09E-05	6.56E-05	0
12	3997	2124.875	1	402628	378299	21024.35	-0.00023	0.00062	6.57E-05	2.40E-05	0	0	0	0	0	0
12	3997	8374.938	2	388	364	21024.35	-0.00049	0.001467	0.000254	0.000109	0	0.0001071	5.24E-05	0.00014	0.0001125	0
12	3997	5124.938	2	51782	48650	21024.35	-0.00038	0.001105	0.000157	6.70E-05	0	0.5852E-05	3.25E-05	8.51E-05	6.90E-05	0
12	3997	3124.875	1	178335	167545	21024.35	-0.00029	0.000806	9.63E-05	3.52E-05	0	0	0	0	0	0
12	3997	7374.875	1	3121	2932	21024.35	-0.00046	0.00137	0.000224	8.28E-05	0	0	0	0	0	0
12	3997	5874.938	2	22194	20952	21024.35	-0.00041	0.001199	0.00018	7.68E-05	0	0.6724E-05	3.71E-05	9.76E-05	7.90E-05	0
12	3997	2874.875	1	329053	309146	21024.35	-0.00028	0.000764	8.87E-05	3.24E-05	0	0	0	0	0	0
12	3997	6124.875	1	12456	11702	21024.35	-0.00042	0.001231	0.000187	6.87E-05	0	0	0	0	0	0
12	3997	6374.875	1	8946	8405	21024.35	-0.00043	0.00126	0.000194	7.15E-05	0	0	0	0	0	0
12	3997	5124.875	1	37743	35459	21024.35	-0.00038	0.001107	0.000157	5.76E-05	0	0	0	0	0	0
12	3997	7124.875	1	3106	2918	21024.35	-0.00045	0.001343	0.000217	7.98E-05	0	0	0	0	0	0
12	3997	3374.875	1	120323	113044	21024.35	-0.0003	0.00085	0.000104	0.000038	0	0	0	0	0	0
12	3997	8624.875	1	1165	1094	21024.35	-0.0005	0.001494	0.000261	9.64E-05	0	0	0	0	0	0
12	3997	3624.875	1	89570	84151	21024.35	-0.00032	0.000891	0.000112	4.08E-05	0	0	0	0	0	0
12	3997	8874.875	1	776	729	21024.35	-0.00051	0.001518	0.000268	9.91E-05	0	0	0	0	0	0
12	3997	7624.875	1	3998	3682	21024.35	-0.00047	0.001396	0.000231	8.53E-05	0	0	0	0	0	0
12	3997	374.875	1	89555	84137	21024.35	-5.78E-05	0.000149	1.17E-05	4.24E-06	0	0	0	0	0	0
12	3997	8374.875	1	1553	1450	21024.35	-0.00049	0.00147	0.000253	9.36E-05	0	0	0	0	0	0
12	3997	7624.938	2	776	729	21024.35	-0.00046	0.001393	0.000232	9.95E-05	0	0.8774E-05	4.78E-05	0.000127	0.0001025	0
12	3997	3124.958	3	776	729	21024.35	-0.00029	0.000806	9.64E-05	4.67E-05	0	0.3578E-05	2.03E-05	5.07E-05	4.30E-05	0
12	3997	4374.958	3	776	729	21024.35	-0.00035	0.001001	0.000134	6.54E-05	0	0.000503	2.83E-05	7.11E-05	6.02E-05	0
12	3997	4624.958	3	388	364	21024.35	-0.00036	0.001036	0.000142	6.91E-05	0	0.5321E-05	2.99E-05	7.52E-05	6.38E-05	0
12	3997	5624.958	3	388	364	21024.35	-0.0004	0.001167	0.000172	8.39E-05	0	0.6494E-05	3.62E-05	9.16E-05	7.73E-05	0
12	3997	4124.958	3	388	364	21024.35	-0.00034	0.000965	0.000127	6.15E-05	0	0.4738E-05	2.67E-05	6.70E-05	5.68E-05	0
12	3997	1374.938	2	312295	293401	21024.35	-0.00017	0.000448	4.26E-05	1.81E-05	0	0.0000155	8.81E-06	2.27E-05	1.85E-05	0
12	3997	6874.938	2	3898	3662	21024.35	-0.00044	0.001314	0.000209	8.98E-05	0	0.7894E-05	4.33E-05	0.000114	9.24E-05	0
12	3997	2624.875	1	469227	440839	21024.35	-0.00028	0.000718	8.10E-05	2.96E-05	0	0	0	0	0	0
12	3997	374.9375	2	85269	80110	21024.35	-5.77E-05	0.000149	1.17E-05	4.93E-06	0	0.4213E-06	2.41E-06	6.18E-06	5.08E-06	0
12	3997	4624.938	2	119547	112314	21024.35	-0.00038	0.001038	0.000142	6.05E-05	0	0.5272E-05	2.94E-05	7.67E-05	6.23E-05	0
12	3997	499.9583	3	388	364	21024.35	-7.41E-05	0.000193	1.56E-05	7.50E-06	0	0.5673E-06	3.27E-06	8.08E-06	6.89E-06	0
12	3997	5624.938	2	31156	28271	21024.35	-0.0004	0.001188	0.000172	7.35E-05	0	0.6433E-05	3.56E-05	9.34E-05	7.57E-05	0
12	3997	9624.875	1	388	364	21024.35	-0.00054	0.001585	0.00029	0.000107	0	0	0	0	0	0
12	3997	7124.938	2	388	364	21024.35	-0.00045	0.001341	0.							

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	EL_1 BET	EC_2 BET	EC_3 BET	EC_4 BET	EC_5 BET
12	3997	1624.958	3	1553	1459	21024.35	-0.00019	0.000608	6.04E-05	2.43E-05	0	1.851E-05	1.06E-05	2.63E-05	2.24E-05	0
12	3997	1874.958	3	778	729	21024.35	-0.00021	0.000565	5.81E-05	2.81E-05	0	2.138E-05	1.22E-05	3.04E-05	2.58E-05	0
12	3997	1874.938	2	307620	289009	21024.35	-0.00021	0.000565	5.81E-05	2.46E-05	0	2.117E-05	0.000012	3.10E-05	2.53E-05	0
12	3997	2124.938	2	204039	191695	21024.35	-0.00023	0.000619	6.57E-05	2.79E-05	0	2.402E-05	1.36E-05	3.51E-05	2.86E-05	0
12	3997	3624.938	2	113304	106449	21024.35	-0.00031	0.00089	0.000112	4.75E-05	0	4.119E-05	2.31E-05	6.00E-05	4.88E-05	0
12	3997	1624.938	2	306843	288280	21024.35	-0.00019	0.000509	5.04E-05	2.13E-05	0	1.834E-05	1.04E-05	2.68E-05	2.19E-05	0
12	3997	3874.938	2	139023	130612	21024.35	-0.00033	0.000829	0.000119	5.08E-05	0	4.406E-05	2.47E-05	6.42E-05	5.22E-05	0
12	3997	874.9375	2	90332	84867	21024.35	-0.00012	0.000312	2.72E-05	1.15E-05	0	9.849E-06	5.62E-06	1.44E-05	0.0000118	0
12	3997	1124.958	3	388	364	21024.35	-0.00014	0.000382	3.49E-05	1.69E-05	0	1.279E-05	7.34E-06	1.82E-05	0.0000155	0
12	3997	1124.938	2	214928	201925	21024.35	-0.00014	0.000383	3.49E-05	1.48E-05	0	1.267E-05	7.21E-06	1.86E-05	1.52E-05	0
12	3997	3124.938	2	86075	80868	21024.35	-0.00029	0.000807	9.93E-05	4.10E-05	0	3.545E-05	1.99E-05	5.17E-05	0.0000421	0
12	3997	6874.875	1	5451	5121	21024.35	-0.00044	0.001318	0.000209	7.70E-05	0	0	0	0	0	0
12	3997	2624.938	2	112139	105354	21024.35	-0.00026	0.000718	8.11E-05	3.44E-05	0	2.972E-05	1.68E-05	4.34E-05	3.54E-05	0
12	3997	2874.958	3	776	729	21024.35	-0.00027	0.000762	8.89E-05	4.30E-05	0	3.289E-05	1.87E-05	4.66E-05	3.96E-05	0
12	3997	2374.938	2	150688	141572	21024.35	-0.00024	0.00067	7.34E-05	3.12E-05	0	2.687E-05	1.52E-05	3.93E-05	3.20E-05	0
12	3997	4874.875	1	51379	48271	21024.35	-0.00037	0.001074	0.000149	5.48E-05	0	0	0	0	0	0
12	3997	1874.875	1	350456	329254	21024.35	-0.00021	0.000586	5.80E-05	2.12E-05	0	0	0	0	0	0
12	3997	7874.875	1	1941	1824	21024.35	-0.00047	0.001421	0.000239	8.81E-05	0	0	0	0	0	0
12	3997	6624.875	1	6228	5851	21024.35	-0.00044	0.001288	0.000262	7.42E-05	0	0	0	0	0	0
12	3997	5624.875	1	18281	17175	21024.35	-0.0004	0.00117	0.000172	6.31E-05	0	0	0	0	0	0
12	3997	5874.875	1	15951	14986	21024.35	-0.00041	0.001201	0.000179	6.59E-05	0	0	0	0	0	0
12	3997	8124.875	1	2733	2567	21024.35	-0.00048	0.001446	0.000246	9.09E-05	0	0	0	0	0	0
12	3997	5374.875	1	27646	25973	21024.35	-0.00039	0.001139	0.000164	6.03E-05	0	0	0	0	0	0
12	4099	7374.938	2	3129	0	60690.67	-0.00025	0.000703	0.000149	5.41E-05	0	2.872E-05	1.95E-05	5.65E-05	5.32E-05	0
12	4099	4874.938	2	31557	0	60690.67	-0.00022	0.000598	3.99E-05	3.59E-05	0	1.867E-05	1.27E-05	3.71E-05	3.52E-05	0
12	4099	4124.875	1	24686	0	60690.67	-0.00021	0.000542	8.50E-05	2.66E-05	0	0	0	0	0	0
12	4099	3874.875	1	30945	0	60690.67	-0.0002	0.000525	7.99E-05	2.50E-05	0	0	0	0	0	0
12	4099	6124.938	2	11246	0	60690.67	-0.00024	0.000651	0.000125	4.50E-05	0	2.366E-05	1.61E-05	4.67E-05	4.42E-05	0
12	4099	1374.875	1	84084	0	60690.67	-0.00011	0.000273	2.87E-05	8.92E-06	0	0	0	0	0	0
12	4099	5624.938	2	18116	0	60690.67	-0.00023	0.000620	0.000115	4.14E-05	0	2.165E-05	1.47E-05	4.29E-05	4.06E-05	0
12	4099	5874.938	2	7805	0	60690.67	-0.00024	0.00064	0.00012	4.32E-05	0	2.265E-05	1.54E-05	4.48E-05	4.24E-05	0
12	4099	7624.938	2	1245	0	60690.67	-0.00026	0.000712	0.000154	5.59E-05	0	2.974E-05	2.02E-05	5.85E-05	5.50E-05	0
12	4099	4624.938	2	45632	0	60690.67	-0.00022	0.000573	9.46E-05	3.41E-05	0	1.769E-05	1.21E-05	3.51E-05	3.34E-05	0
12	4099	4624.675	1	19699	0	60690.67	-0.00022	0.000574	9.50E-05	2.99E-05	0	0	0	0	0	0
12	4099	2124.875	1	157844	0	60690.67	-0.00014	0.000369	4.42E-05	1.38E-05	0	0	0	0	0	0
12	4099	874.875	1	10311	0	60690.67	-7.76E-05	0.000192	1.83E-05	5.68E-06	0	0	0	0	0	0
12	4099	8124.938	2	311	0	60690.67	-0.00026	0.000729	0.000164	5.96E-05	0	3.179E-05	2.15E-05	6.24E-05	5.86E-05	0
12	4099	4874.958	3	1558	0	60690.67	-0.00022	0.000587	9.97E-05	4.03E-05	0	1.849E-05	1.29E-05	3.62E-05	0.0000358	0
12	4099	2874.875	1	57502	0	60690.67	-0.00017	0.000445	5.95E-05	1.86E-05	0	0	0	0	0	0
12	4099	374.875	1	18739	0	60690.67	-3.78E-05	9.23E-05	7.85E-06	2.44E-06	0	0	0	0	0	0
12	4099	3374.875	1	35309	0	60690.67	-0.00019	0.000487	6.97E-05	2.18E-05	0	0	0	0	0	0
12	4099	3624.875	1	29362	0	60690.67	-0.00019	0.000507	7.48E-05	2.34E-05	0	0	0	0	0	0
12	4099	3124.875	1	39374	0	60690.67	-0.00018	0.000467	6.46E-05	2.02E-05	0	0	0	0	0	0
12	4099	3624.938	2	36588	0	60690.67	-0.00019	0.000506	7.47E-05	2.67E-05	0	1.377E-05	9.39E-06	2.74E-05	2.62E-05	0
12	4099	2874.938	2	25010	0	60690.67	-0.00017	0.000444	5.94E-05	2.12E-05	0	1.086E-05	7.42E-06	2.17E-05	2.08E-05	0
12	4099	1624.938	2	36245	0	60690.67	-0.00012	0.000307	3.38E-05	1.20E-05	0	0.808E-06	4.18E-06	1.22E-05	1.17E-05	0
12	4099	3124.938	2	23128	0	60690.67	-0.00018	0.000466	6.45E-05	2.31E-05	0	1.183E-05	8.07E-06	2.36E-05	2.26E-05	0
12	4099	4374.938	2	50955	0	60690.67	-0.00021	0.000558	8.98E-05	3.22E-05	0	0.000187	1.14E-05	3.32E-05	3.18E-05	0
12	4099	5874.958	3	3129	0	60690.67	-0.00024	0.000639	0.00012	4.85E-05	0	2.244E-05	1.57E-05	4.38E-05	4.31E-05	0
12	4099	5624.958	3	935	0	60690.67	-0.00023	0.000627	0.000115	4.65E-05	0	2.145E-05	1.50E-05	4.19E-05	4.13E-05	0
12	4099	8874.938	2	623	0	60690.67	-0.00027	0.000753	0.000179	6.50E-05	0	3.489E-05	0.0000236	6.83E-05	6.39E-05	0
12	4099	4374.875	1	23116	0	60690.67	-0.00021	0.000558	0.00009	2.83E-05	0	0	0	0	0	0
12	4099	5124.958	3	935	0	60690.67	-0.00022	0.000601	0.000105	4.24E-05	0	1.947E-05	1.36E-05	3.81E-05	3.78E-05	0
12	4099	374.9375	2	31568	0	60690.67	-3.78E-05	9.23E-05	7.84E-06	2.79E-06	0	1.392E-06	9.52E-07	2.81E-06	2.71E-06	0
12	4099	3874.938	2	48568	0	60690.67	-0.0002	0.000524	7.97E-05	2.86E-05	0	1.474E-05	1.01E-05	2.94E-05	2.80E-05	0
12	4099	2374.938	2	25933	0	60690.67	-0.00015	0.000366	4.92E-05	1.75E-05	0	8.942E-06	6.11E-06	1.79E-05	1.72E-05	0
12	4099	2624.938	2	24375	0	60690.67	-0.00016	0.000421	5.43E-05	1.94E-05	0	9.901E-06	6.76E-06	1.98E-05	1.90E-05	0
12	4099	1874.938	2	31245	0	60690.67	-0.00013	0.000339	3.89E-05	1.39E-05	0	7.035E-06	4.81E-06	1.41E-05	1.36E-05	0
12	4099	6374.938	2	6558	0	60690.67	-0.00024	0.000662	0.00013	4.68E-05	0	2.466E-05	1.68E-05	4.87E-05	4.60E-05	0
12	4099	1374.938	2	40944	0	60690.67	-0.00011	0.000272	2.86E-05	1.02E-05	0	5.141E-06	3.52E-06	1.03E-05	9.94E-06	0
12	4099	1124.938	2	43127	0	60690.67	-9.40E-05	0.000234	2.34E-05	8.32E-06	0	4.199E-06	2.87E-06	8.44E-06	8.13E-06	0
12	4099	4624.958	3	1558	0	60690.67	-0.00021	0.000572	9.46E-05	3.83E-05	0	1.751E-05	1.23E-05	3.43E-05	3.40E-05	0
12	4099	1374.958	3	935	0	60690.67	-0.00011	0.000272	2.86E-05	1.14E-05	0	5.089E-06	3.57E-06	1.01E-05	1.01E-05	0
12	4099	499.9583	3	311	0	60690.67	-4.88E-05	0.000119	1.04E-05	4.16E-06	0	1.839E-06	1.29E-06	3.66E-06	3.68E-06	0
12	4099	3374.938	2	24698	0	60690.67	-0.00019	0.000487	6.96E-05	2.49E-05	0	0.000128	8.73E-06	2.55E-05	2.44E-05	0
12	4099	4374.958	3	1558	0	60690.67	-0.00021	0.000557	8.98E-05	3.62E-05	0	1.654E-05	1.16E-05	3.24E-05	3.21E-05	0
12	4099	2374.875	1	120017	0	60690.67	-0.00015	0.000396	4.93E-05	1.54E-05	0	0	0	0	0	0
12	4099	7124.875	1	311	0	60690.67	-0.00025	0.000694	0.000145	4.58E-05	0	0	0	0	0	0
12	4099	6624.938	2	5934	0	60690.67	-0.00025	0.000673	0.000135	4.87E-05	0	2.567E-05	1.74E-05	5.06E-05	4.78E-05	0
12	4099	5624.875	1	7193	0											

Sample of Critical Strains Calculated by WESLEA (GPS-2)

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	E1	E2	E3	E4	E5	E1_BET	C2_BE	C3_BE	C4_BE	C5_BE
1	1021	4374.875	1	16924	14913	29210	-7.60E-05	0.000202	5.65E-05	2.81E-05	0	0	0	0	0	0
1	1021	4624.938	2	37111	32702	29210	-7.36E-05	0.00021	6.00E-05	3.50E-05	0	2.83E-05	4.22E-05	4.22E-05	3.75E-05	0
1	1021	1874.875	1	188439	166050	29210	-3.53E-05	9.29E-05	2.44E-05	1.21E-05	0	0	0	0	0	0
1	1021	4124.938	2	27335	24087	29210	-6.66E-05	0.00019	5.36E-05	3.12E-05	0	2.52E-05	3.76E-05	3.77E-05	3.35E-05	0
1	1021	4374.938	2	32725	28837	29210	-7.01E-05	0.0002	5.68E-05	3.31E-05	0	2.67E-05	3.99E-05	3.99E-05	3.55E-05	0
1	1021	5874.938	2	20904	18420	29210	-9.06E-05	0.000258	7.60E-05	4.44E-05	0	3.59E-05	5.39E-05	5.37E-05	4.77E-05	0
1	1021	5374.938	2	39489	34797	29210	-8.39E-05	0.000239	6.96E-05	4.06E-05	0	3.29E-05	4.92E-05	4.91E-05	4.36E-05	0
1	1021	3374.875	1	46674	41128	29210	-6E-05	0.00016	4.37E-05	2.17E-05	0	0	0	0	0	0
1	1021	3624.875	1	32171	28349	29210	-6.43E-05	0.000171	4.69E-05	2.33E-05	0	0	0	0	0	0
1	1021	5124.938	2	40006	35253	29210	-8.05E-05	0.00023	6.65E-05	3.87E-05	0	3.13E-05	4.69E-05	4.68E-05	4.16E-05	0
1	1021	3124.875	1	58355	51422	29210	-5.63E-05	0.000149	4.05E-05	2.01E-05	0	0	0	0	0	0
1	1021	6124.938	2	14383	12674	29210	-8.4E-05	0.000268	7.92E-05	4.62E-05	0	3.75E-05	5.62E-05	5.60E-05	4.97E-05	0
1	1021	4624.875	1	16584	14613	29210	-7.98E-05	0.000212	5.96E-05	2.97E-05	0	0	0	0	0	0
1	1021	3874.875	1	31758	27985	29210	-6.82E-05	0.000181	5.01E-05	2.49E-05	0	0	0	0	0	0
1	1021	4124.875	1	25806	22740	29210	-7.21E-05	0.000192	5.33E-05	2.65E-05	0	0	0	0	0	0
1	1021	2624.875	1	127964	112760	29210	-4.81E-05	0.000127	3.40E-05	1.69E-05	0	0	0	0	0	0
1	1021	1124.875	1	66839	58988	29210	-2.19E-05	5.71E-05	1.47E-05	7.25E-06	0	0	0	0	0	0
1	1021	1374.875	1	122736	108163	29210	-2.65E-05	6.92E-05	1.79E-05	8.86E-06	0	0	0	0	0	0
1	1021	374.875	1	930	819	29210	-7.56E-05	1.56E-05	4.89E-06	2.42E-06	0	0	0	0	0	0
1	1021	874.875	1	11142	9618	29210	-1.72E-05	4.48E-05	1.14E-05	5.64E-06	0	0	0	0	0	0
1	1021	2124.875	1	218041	192135	29210	-3.96E-05	0.000104	2.76E-05	1.37E-05	0	0	0	0	0	0
1	1021	2374.875	1	191998	169186	29210	-4.39E-05	0.000116	3.08E-05	1.53E-05	0	0	0	0	0	0
1	1021	1624.875	1	133989	118070	29210	-3.09E-05	8.11E-05	2.11E-05	1.05E-05	0	0	0	0	0	0
1	1021	2874.875	1	90690	79914	29210	-5.2E-05	0.000138	3.73E-05	1.85E-05	0	0	0	0	0	0
1	1021	1124.938	2	69210	60987	29210	-2.04E-05	5.66E-05	1.47E-05	8.53E-06	0	6.76E-06	1.02E-05	1.03E-05	9.15E-06	0
1	1021	4624.958	3	516	455	29210	-6.74E-05	0.000208	6.55E-05	4.02E-05	0	2.97E-05	4.09E-05	4.11E-05	3.80E-05	0
1	1021	2374.938	2	15602	13748	29210	-4.07E-05	0.000115	3.10E-05	1.80E-05	0	1.35E-05	2.16E-05	2.17E-05	1.93E-05	0
1	1021	2624.938	2	10824	9538	29210	-4.46E-05	0.000126	3.43E-05	1.95E-05	0	1.60E-05	2.38E-05	2.40E-05	2.13E-05	0
1	1021	1874.938	2	37200	32780	29210	-3.28E-05	9.20E-05	2.45E-05	1.42E-05	0	1.14E-05	1.70E-05	1.71E-05	1.52E-05	0
1	1021	2124.938	2	28620	25219	29210	-3.7E-05	0.000104	2.78E-05	1.61E-05	0	1.29E-05	1.93E-05	1.94E-05	1.73E-05	0
1	1021	3374.938	2	17042	15017	29210	-5.58E-05	0.000158	4.40E-05	2.55E-05	0	2.06E-05	3.07E-05	3.08E-05	2.74E-05	0
1	1021	3624.938	2	18290	16117	29210	-5.94E-05	0.000169	4.72E-05	2.74E-05	0	2.21E-05	3.30E-05	3.31E-05	2.94E-05	0
1	1021	2874.938	2	16148	14230	29210	-4.84E-05	0.000137	3.75E-05	2.18E-05	0	1.75E-05	2.61E-05	2.62E-05	2.34E-05	0
1	1021	4674.938	2	43019	37907	29210	-7.71E-05	0.00022	6.33E-05	3.68E-05	0	2.98E-05	4.45E-05	4.45E-05	3.96E-05	0
1	1021	1624.938	2	53541	47179	29210	-2.88E-05	8.04E-05	2.13E-05	1.23E-05	0	9.82E-06	1.47E-05	1.48E-05	1.32E-05	0
1	1021	7624.938	2	716	631	29210	-0.00011	0.000323	9.82E-05	5.75E-05	0	4.65E-05	7.03E-05	6.97E-05	6.18E-05	0
1	1021	1374.938	2	74954	66049	29210	-2.46E-05	6.86E-05	1.80E-05	1.04E-05	0	8.29E-06	1.24E-05	1.25E-05	1.12E-05	0
1	1021	374.9375	2	29750	26215	29210	-7.07E-06	1.94E-05	4.92E-06	2.85E-06	0	2.22E-06	3.38E-06	3.42E-06	3.05E-06	0
1	1021	874.9375	2	45669	40243	29210	-1.61E-05	4.44E-05	1.15E-05	6.64E-06	0	5.24E-06	7.89E-06	7.98E-06	7.12E-06	0
1	1021	3874.938	2	23207	20450	29210	-6.30E-05	0.000179	5.04E-05	2.93E-05	0	2.37E-05	3.53E-05	3.54E-05	3.15E-05	0
1	1021	6874.938	2	4120	3630	29210	-0.0001	0.000296	8.87E-05	5.19E-05	0	0.000042	6.32E-05	6.28E-05	5.57E-05	0
1	1021	7124.938	2	1897	1672	29210	-0.00011	0.000305	9.19E-05	5.37E-05	0	4.35E-05	6.56E-05	6.51E-05	5.78E-05	0
1	1021	6374.938	2	10463	9219	29210	-9.72E-05	0.000277	8.24E-05	4.81E-05	0	3.90E-05	5.85E-05	5.82E-05	5.17E-05	0
1	1021	6624.938	2	7029	6194	29210	-0.0001	0.000286	8.56E-05	5.00E-05	0	4.05E-05	6.09E-05	6.05E-05	5.37E-05	0
1	1021	7874.938	2	657	579	29210	-0.00012	0.000331	0.000101	5.93E-05	0	4.80E-05	7.26E-05	7.20E-05	6.38E-05	0
1	1021	8124.938	2	590	520	29210	-0.00012	0.000334	0.000105	6.12E-05	0	4.95E-05	7.50E-05	7.43E-05	6.58E-05	0
1	1021	7374.938	2	1690	1490	29210	-0.00011	0.000314	9.50E-05	5.56E-05	0	4.50E-05	6.79E-05	6.74E-05	5.98E-05	0
1	1021	3124.938	2	12619	11119	29210	-5.21E-05	0.000148	4.07E-05	2.37E-05	0	1.91E-05	2.84E-05	2.85E-05	2.54E-05	0
1	1021	7124.958	3	169	149	29210	-8.73E-05	0.000301	9.26E-05	6.19E-05	0	4.57E-05	6.36E-05	6.34E-05	5.85E-05	0
1	1021	499.9583	3	3699	3259	29210	-8.70E-06	2.55E-05	6.60E-06	4.36E-06	0	3.12E-06	4.36E-06	4.44E-06	4.12E-06	0
1	1021	6874.958	2	228	201	29210	-0.00013	0.000366	0.000114	6.68E-05	0	0.000054	8.21E-05	8.11E-05	7.19E-05	0
1	1021	6124.938	2	44	38	29210	-0.00013	0.000374	0.000117	6.87E-05	0	5.58E-05	8.45E-05	8.34E-05	7.39E-05	0
1	1021	8374.938	2	479	422	29210	-0.00012	0.000349	0.000108	6.31E-05	0	5.10E-05	7.74E-05	7.66E-05	6.78E-05	0
1	1021	8624.938	2	162	143	29210	-0.00013	0.000357	0.000111	6.50E-05	0	5.25E-05	7.98E-05	7.89E-05	6.99E-05	0
1	1021	9374.938	2	51	45	29210	-0.00014	0.000383	0.00012	7.05E-05	0	5.72E-05	8.69E-05	8.57E-05	7.59E-05	0
1	1021	3124.958	3	479	422	29210	-4.80E-05	0.000146	0.000041	2.72E-05	0	1.87E-05	2.75E-05	2.78E-05	2.57E-05	0
1	1021	6124.958	3	679	598	29210	-8.56E-05	0.000265	7.98E-05	5.32E-05	0	3.93E-05	5.45E-05	5.45E-05	5.03E-05	0
1	1021	6374.958	3	509	448	29210	-8.86E-05	0.000274	8.30E-05	5.54E-05	0	4.09E-05	5.67E-05	5.67E-05	5.24E-05	0
1	1021	2374.958	3	1698	1496	29210	-3.76E-05	0.000114	3.12E-05	2.07E-05	0	1.42E-05	2.09E-05	2.11E-05	1.96E-05	0
1	1021	5874.958	3	790	696	29210	-8.27E-05	0.000256	7.66E-05	5.11E-05	0	3.77E-05	5.22E-05	5.23E-05	4.83E-05	0
1	1021	3874.958	3	502	442	29210	-5.78E-05	0.000178	5.08E-05	3.37E-05	0	2.49E-05	3.42E-05	3.44E-05	3.19E-05	0
1	1021	7374.958	3	44	39	29210	-0.0001	0.00031	9.57E-05	6.40E-05	0	4.73E-05	6.58E-05	6.56E-05	6.06E-05	0
1	1021	6624.958	3	265	234	29210	-9.2E-05	0.000283	8.62E-05	5.76E-05	0	4.25E-05	0.000059	5.89E-05	5.44E-05	0
1	1021	6874.958	3	162	143	29210	-9.44E-05	0.000293	8.94E-05	5.97E-05	0	4.41E-05	6.13E-05	6.12E-05	5.65E-05	0
1	1021	5374.958	3	583	514	29210	-7.66E-05	0.000237	7.01E-05	4.67E-05	0	3.45E-05	4.77E-05	4.78E-05	4.42E-05	0
1	1021	4874.875	1	11312	9968	29210	-8.36E-05	0.000222	6.28E-05	3.13E-05	0	0	0	0	0	0
1	1021	4124.958	3	546	481	29210	-6.10E-05	0.000188	5.40E-05	3.59E-05	0	2.65E-05	3.84E-05	3.87E-05	3.39E-05	0
1	1021	5624.938	2	30835	27171	29210	-8.72E-05	0.000249	7.28E-05	4.25E-05	0	3.44E-05	5.15E-05	5.14E-05	4.56E-05	0
1	1021	3624.958	3	369	325	29210	-5.46E-05	0.000167	4.75E-05	3.16E-05	0	2.32E-05	3.20E-05	3.22E-05	2.98E-05	0
1	1021	4874.958	3	324	2											

STATE	SECTION	W LOAD	AXLE TPE	COUNT R	COUNT D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_6	EL_1 BET	C_2_BE	C_3_BE	C_4_BE	C_5_BE
1	4073	6874.875	1	633	503	27976.52	-0.00011	0.000303	8.56E-05	3.95E-05	0	0	0	0	0	0
1	4073	7124.875	1	275	218	27976.52	-0.00011	0.000312	8.86E-05	4.09E-05	0	0	0	0	0	0
5	3058	1874.938	2	40425	17992	9999	-2.68E-05	7.27E-05	3.34E-05	1.75E-05	0	6.24E-06	2.99E-05	3.36E-05	1.94E-05	0
5	3058	8874.875	1	54	24	9999	-0.00014	0.00032	0.00132	5.48E-05	0	0	0	0	0	0
5	3058	1374.938	2	61285	27276	9999	-2E-05	5.35E-05	2.45E-05	1.28E-05	0	4.59E-06	2.18E-05	2.47E-05	1.42E-05	0
5	3058	2124.938	2	29860	13289	9999	-3.03E-05	8.22E-05	3.78E-05	1.98E-05	0	7.05E-06	3.39E-05	3.81E-05	2.19E-05	0
5	3058	8124.875	1	98	43	9999	-0.00012	0.000294	0.000121	5.02E-05	0	0	0	0	0	0
5	3058	374.9375	2	25397	11303	9999	-5.46E-06	1.47E-05	6.69E-06	3.49E-06	0	1.26E-06	5.86E-06	6.73E-06	3.87E-06	0
5	3058	1124.958	3	423	188	9999	-1.39E-05	0.000045	2.32E-05	1.40E-05	0	5.03E-06	1.78E-05	2.07E-05	1.33E-05	0
5	3058	9124.875	1	130	58	9999	-0.00014	0.000329	0.000136	5.63E-05	0	0	0	0	0	0
5	3058	8624.875	1	31	14	9999	-0.00013	0.000311	0.000128	5.32E-05	0	0	0	0	0	0
5	3058	10124.88	1	140	62	9999	-0.00015	0.000363	0.00015	6.24E-05	0	0	0	0	0	0
5	3058	1124.938	2	66733	29700	9999	-1.63E-05	4.39E-05	2.01E-05	1.05E-05	0	3.78E-06	1.78E-05	2.02E-05	1.16E-05	0
5	3058	1624.938	2	52290	23272	9999	-2.33E-05	6.31E-05	2.89E-05	1.51E-05	0	5.42E-06	2.58E-05	2.92E-05	1.68E-05	0
5	3058	7874.875	1	177	78	9999	-0.00012	0.000285	0.000117	4.86E-05	0	0	0	0	0	0
5	3058	5624.875	1	755	336	9999	-8.66E-05	0.000206	8.41E-05	3.48E-05	0	0	0	0	0	0
5	3058	4124.875	1	10454	4653	9999	-6.60E-05	0.000153	6.18E-05	2.55E-05	0	0	0	0	0	0
5	3058	9374.875	1	100	44	9999	-0.00014	0.000337	0.000139	5.78E-05	0	0	0	0	0	0
5	3058	2624.958	3	1808	804	9999	-3.18E-05	0.000104	5.40E-05	3.26E-05	0	1.16E-05	4.15E-05	4.83E-05	3.09E-05	0
5	3058	3874.875	1	12821	5706	9999	-6.21E-05	0.000144	5.81E-05	2.40E-05	0	0	0	0	0	0
5	3058	874.9375	2	40497	18023	9999	-1.27E-05	3.42E-05	1.56E-05	8.15E-06	0	2.93E-06	1.38E-05	1.57E-05	9.03E-06	0
5	3058	2374.938	2	29811	13268	9999	-3.38E-05	9.17E-05	4.23E-05	2.21E-05	0	7.87E-06	3.80E-05	4.26E-05	2.45E-05	0
5	3058	3374.958	3	3262	1452	9999	-4.1E-05	0.000133	6.93E-05	4.19E-05	0	1.49E-05	5.36E-05	6.20E-05	3.98E-05	0
5	3058	3624.958	3	2937	1307	9999	-4.34E-05	0.000142	7.45E-05	4.60E-05	0	1.60E-05	5.76E-05	6.66E-05	4.27E-05	0
5	3058	5374.875	1	1089	485	9999	-8.49E-05	0.000198	8.04E-05	3.32E-05	0	0	0	0	0	0
5	3058	5374.958	3	61	27	9999	-6.28E-05	0.000209	0.00011	6.67E-05	0	2.35E-05	8.61E-05	9.87E-05	6.33E-05	0
5	3058	4624.875	1	4593	2040	9999	-7.36E-05	0.000171	6.92E-05	2.86E-05	0	0	0	0	0	0
5	3058	4374.958	3	186	83	9999	-5.18E-05	0.000171	8.98E-05	5.43E-05	0	1.92E-05	6.98E-05	8.04E-05	5.15E-05	0
5	3058	2124.958	3	482	214	9999	-2.59E-05	8.44E-05	4.37E-05	2.64E-05	0	9.45E-06	3.35E-05	3.91E-05	2.61E-05	0
5	3058	4874.958	3	29	13	9999	-5.73E-05	0.00019	0.0001	8.05E-05	0	2.13E-05	7.79E-05	8.96E-05	5.74E-05	0
5	3058	4624.938	3	85	38	9999	-5.46E-05	0.00018	9.49E-05	5.74E-05	0	2.03E-05	7.79E-05	8.50E-05	5.45E-05	0
5	3058	8374.875	1	31	14	9999	-0.00013	0.000303	0.000125	5.17E-05	0	0	0	0	0	0
5	3058	4124.938	2	35465	15764	9999	-5.75E-05	0.000157	7.33E-05	3.84E-05	0	1.35E-05	6.66E-05	7.40E-05	4.25E-05	0
5	3058	1874.958	3	238	106	9999	-2.30E-05	7.46E-05	3.86E-05	2.33E-05	0	8.35E-06	2.95E-05	3.45E-05	2.21E-05	0
5	3058	2624.938	2	28433	12654	9999	-3.72E-05	0.000101	4.67E-05	2.44E-05	0	8.68E-06	4.20E-05	4.71E-05	2.71E-05	0
5	3058	3124.958	3	3671	1633	9999	-3.76E-05	0.000123	6.42E-05	3.88E-05	0	1.38E-05	4.95E-05	5.74E-05	3.88E-05	0
5	3058	3874.958	3	1938	862	9999	-4.62E-05	0.000152	7.96E-05	4.81E-05	0	1.71E-05	6.17E-05	7.12E-05	4.57E-05	0
5	3058	4124.958	3	811	361	9999	-4.9E-05	0.000161	8.47E-05	5.12E-05	0	1.81E-05	6.57E-05	7.58E-05	4.86E-05	0
5	3058	1624.958	3	351	156	9999	-2.00E-05	6.48E-05	3.34E-05	2.02E-05	0	2.75E-06	2.56E-05	2.99E-05	1.92E-05	0
5	3058	2374.958	3	831	370	9999	-2.9E-05	9.41E-05	4.89E-05	2.95E-05	0	1.05E-05	3.75E-05	4.37E-05	0.000028	0
5	3058	2874.958	3	2642	1176	9999	-3.47E-05	0.000114	5.91E-05	3.57E-05	0	1.27E-05	4.55E-05	5.29E-05	3.39E-05	0
5	3058	1374.958	3	167	74	9999	-1.70E-05	5.49E-05	2.83E-05	1.71E-05	0	5.14E-06	2.15E-05	2.53E-05	1.62E-05	0
5	3058	874.875	1	28873	12850	9999	-1.45E-05	3.33E-05	1.32E-05	5.42E-06	0	0	0	0	0	0
5	3058	5624.938	2	191	85	9999	-7.70E-05	0.000212	9.97E-05	5.23E-05	0	1.82E-05	9.13E-05	0.000101	5.80E-05	0
5	3058	374.875	1	27358	12176	9999	-6.24E-06	1.43E-05	5.65E-06	2.32E-06	0	0	0	0	0	0
5	3058	1624.875	1	38624	17190	9999	-2.67E-05	6.15E-05	2.44E-05	1.01E-05	0	0	0	0	0	0
5	3058	1374.875	1	38691	17220	9999	-2.26E-05	5.21E-05	2.07E-05	8.52E-06	0	0	0	0	0	0
5	3058	4624.938	2	8692	3888	9999	-6.41E-05	0.000176	8.21E-05	0.000043	0	1.51E-05	7.48E-05	8.29E-05	4.77E-05	0
5	3058	4874.938	2	3245	1444	9999	-6.73E-05	0.000185	8.65E-05	4.53E-05	0	1.58E-05	7.89E-05	8.74E-05	5.02E-05	0
5	3058	2874.938	2	31048	13818	9999	-4.07E-05	0.000111	5.11E-05	2.68E-05	0	9.49E-06	4.61E-05	5.16E-05	2.97E-05	0
5	3058	1124.875	1	39210	17451	9999	-1.86E-05	4.27E-05	1.69E-05	6.97E-06	0	0	0	0	0	0
5	3058	5874.938	2	19	8	9999	-8.02E-05	0.000221	0.000104	5.46E-05	0	1.89E-05	9.54E-05	0.000105	6.05E-05	0
5	3058	2624.875	1	110313	49097	9999	-4.27E-05	9.85E-05	3.94E-05	1.63E-05	0	0	0	0	0	0
5	3058	3124.875	1	61189	27233	9999	-5.05E-05	0.000117	4.69E-05	1.93E-05	0	0	0	0	0	0
5	3058	3374.875	1	34252	15244	9999	-5.44E-05	0.000128	5.06E-05	2.08E-05	0	0	0	0	0	0
5	3058	4374.938	2	18598	8277	9999	-6.08E-05	0.000188	7.77E-05	4.07E-05	0	1.43E-05	7.07E-05	7.84E-05	4.51E-05	0
5	3058	5124.938	2	671	298	9999	-7.06E-05	0.000194	9.05E-05	4.78E-05	0	1.66E-05	8.30E-05	9.18E-05	5.28E-05	0
5	3058	2124.875	1	78568	34968	9999	-3.47E-05	8.01E-05	3.19E-05	1.32E-05	0	0	0	0	0	0
5	3058	1874.875	1	54959	24460	9999	-3.1E-05	7.08E-05	2.82E-05	1.16E-05	0	0	0	0	0	0
5	3058	7124.875	1	209	93	9999	-0.00011	0.000259	0.000106	0.000044	0	0	0	0	0	0
5	3058	4874.875	1	2780	1237	9999	-7.74E-05	0.00018	7.30E-05	3.01E-05	0	0	0	0	0	0
5	3058	5124.875	1	1825	812	9999	-8.11E-05	0.000189	7.67E-05	3.17E-05	0	0	0	0	0	0
5	3058	6374.875	1	204	90	9999	-9.96E-05	0.000233	9.52E-05	3.94E-05	0	0	0	0	0	0
5	3058	7374.875	1	132	59	9999	-0.00011	0.000268	0.00011	4.55E-05	0	0	0	0	0	0
5	3058	2374.875	1	102365	45559	9999	-3.87E-05	8.93E-05	3.57E-05	1.47E-05	0	0	0	0	0	0
5	3058	3124.938	2	34626	15411	9999	-4.41E-05	0.00012	5.56E-05	2.91E-05	0	1.03E-05	5.02E-05	5.61E-05	3.22E-05	0
5	3058	4374.875	1	7701	3427	9999	-7E-05	0.000162	6.55E-05	2.71E-05	0	0	0	0	0	0
5	3058	6124.875	1	691	307	9999	-9.60E-05	0.000224	9.15E-05	3.78E-05	0	0	0	0	0	0
5	3058	6624.875	1	216	96	9999	-0.0001	0.000242	9.89E-05	4.08E-05	0	0	0	0	0	0
5	3058	7624.875	1	142	63	9999	-0.00012	0.000277	0.000114	4.71E-05	0	0	0	0	0	0
5	3058	6874.875	1	157	70	9999	-0.00011	0.00025	0.000103	4.25E-05	0	0	0	0	0	0
5	3058	6874.938	2	22	9	9999	-9.28E-05	0.000258	0.000122	6.39E-05	0	2.20E-05	0.000112	0.000123	7.08E-05	0
5	3058	5374.938	2	260	116	9999	-7.38E-05	0.000203	9.53E-05	5.00E-05	0	1.74E-05	8.72E-05	9.63E-05	5.54E-05	0
5	3058	3624.93														

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
5	3071	2374.958	3	3215	2242	9999	-1.13E-05	5.94E-05	2.01E-05	3.55E-06	0	2.83E-06	3.84E-05	1.85E-05	3.35E-06	0
5	3071	2624.958	3	4281	2986	9999	-1.3E-05	6.66E-05	2.22E-05	3.92E-06	0	3.12E-06	4.25E-05	2.05E-05	3.70E-06	0
5	3071	1874.958	3	1521	1060	9999	-9.00E-06	4.69E-05	1.59E-05	2.80E-06	0	2.24E-06	3.03E-05	1.46E-05	2.65E-06	0
5	3071	3374.958	3	9478	6610	9999	-1.59E-05	8.41E-05	2.85E-05	5.04E-06	0	3.98E-06	5.48E-05	2.63E-05	4.76E-06	0
5	3071	8374.875	1	611	426	9999	-5.46E-05	0.000163	4.35E-05	6.01E-06	0	0	0	0	0	0
5	3071	3624.958	3	13287	9266	9999	-1.71E-05	9.03E-05	3.06E-05	5.41E-06	0	4.26E-06	5.67E-05	2.83E-05	5.11E-06	0
5	3071	2874.958	3	7571	5280	9999	-1.37E-05	7.18E-05	2.43E-05	4.29E-06	0	3.40E-06	4.65E-05	2.24E-05	4.06E-06	0
5	3071	2124.958	3	3488	2433	9999	-1.02E-05	5.31E-05	1.80E-05	3.17E-06	0	2.53E-06	3.44E-05	1.66E-05	3.00E-06	0
5	3071	8124.875	1	229	160	9999	-5.31E-05	0.000158	4.22E-05	5.83E-06	0	0	0	0	0	0
5	3071	6874.875	1	333	232	9999	-4.63E-05	0.000134	3.58E-05	4.93E-06	0	0	0	0	0	0
5	3071	6624.875	1	1061	740	9999	-4.38E-05	0.00013	3.45E-05	4.76E-06	0	0	0	0	0	0
5	3071	7374.875	1	694	477	9999	-4.84E-05	0.000144	3.84E-05	5.29E-06	0	0	0	0	0	0
5	3071	7124.875	1	533	371	9999	-4.69E-05	0.000139	3.71E-05	5.11E-06	0	0	0	0	0	0
5	3071	374.9375	2	312036	217617	9999	-2.22E-06	8.45E-06	2.57E-06	4.15E-07	0	1.62E-07	5.86E-06	2.77E-06	4.50E-07	0
5	3071	9374.875	1	303	211	9999	-6.07E-05	0.000182	4.87E-05	6.72E-06	0	0	0	0	0	0
5	3071	3624.875	1	157448	109806	9999	-2.5E-05	7.16E-05	1.89E-05	2.81E-06	0	0	0	0	0	0
5	3071	3374.875	1	277690	193664	9999	-2.29E-05	6.67E-05	1.76E-05	2.43E-06	0	0	0	0	0	0
5	3071	3124.958	3	8988	6268	9999	-1.5E-05	7.80E-05	2.64E-05	4.67E-06	0	3.69E-06	5.06E-05	2.44E-05	4.41E-06	0
5	3071	1374.875	1	413218	288182	9999	-9.46E-06	2.74E-05	7.19E-06	9.89E-07	0	0	0	0	0	0
5	3071	6374.875	1	910	634	9999	-4.22E-05	0.000125	3.32E-05	4.58E-06	0	0	0	0	0	0
5	3071	5624.958	3	684	477	9999	-2.60E-05	0.000139	4.75E-05	8.40E-06	0	6.48E-06	9.11E-05	4.38E-05	7.93E-06	0
5	3071	4124.875	1	98048	68380	9999	-2.78E-05	8.13E-05	2.15E-05	2.96E-06	0	0	0	0	0	0
5	3071	2374.938	2	325809	227222	9999	-1.38E-05	5.32E-05	1.62E-05	2.63E-06	0	9.71E-07	3.71E-05	1.75E-05	2.91E-06	0
5	3071	1124.875	1	840405	586105	9999	-7.75E-06	2.24E-05	5.89E-06	8.09E-07	0	0	0	0	0	0
5	3071	1624.875	1	393335	274315	9999	-1.12E-05	3.23E-05	8.5E-06	1.17E-06	0	0	0	0	0	0
5	3071	874.875	1	1135553	791945	9999	-6.04E-06	1.74E-05	4.68E-06	6.30E-07	0	0	0	0	0	0
5	3071	374.875	1	1021811	712620	9999	-2.60E-06	7.48E-06	1.96E-06	2.70E-07	0	0	0	0	0	0
5	3071	2124.875	1	606815	423198	9999	-1.45E-05	4.22E-05	1.11E-05	1.53E-06	0	0	0	0	0	0
5	3071	1874.875	1	448045	312471	9999	-1.29E-05	3.72E-05	9.81E-06	1.35E-06	0	0	0	0	0	0
5	3071	5124.958	3	745	519	9999	-2.38E-05	0.000127	4.32E-05	7.65E-06	0	5.94E-06	8.30E-05	4.00E-05	7.22E-06	0
5	3071	1374.958	3	4528	3158	9999	-6.64E-06	3.45E-05	1.16E-05	2.05E-06	0	1.65E-06	2.22E-05	1.07E-05	1.94E-06	0
5	3071	4374.958	3	13044	9097	9999	-2.05E-05	0.000109	3.69E-05	6.53E-06	0	5.11E-06	7.08E-05	3.41E-05	6.17E-06	0
5	3071	4124.958	3	14722	10267	9999	-1.93E-05	0.000103	3.48E-05	6.16E-06	0	4.83E-06	6.68E-05	3.22E-05	5.82E-06	0
5	3071	4874.958	3	2908	2028	9999	-2.27E-05	0.000121	4.11E-05	7.28E-06	0	5.66E-06	7.89E-05	0.000038	6.87E-06	0
5	3071	4624.958	3	8581	5984	9999	-2.16E-05	0.000115	3.90E-05	6.90E-06	0	5.38E-06	7.49E-05	3.61E-05	6.52E-06	0
5	3071	6874.958	3	303	211	9999	-3.1E-05	0.00017	5.80E-05	1.03E-05	0	7.83E-06	0.000111	5.36E-05	9.69E-06	0
5	3071	5624.958	3	303	211	9999	-3.02E-05	0.000164	5.59E-05	9.88E-06	0	7.56E-06	0.000107	5.18E-05	9.33E-06	0
5	3071	3874.958	3	14110	9841	9999	-1.82E-05	9.65E-05	3.27E-05	5.79E-06	0	4.54E-06	6.27E-05	3.02E-05	5.46E-06	0
5	3071	1124.958	3	4052	2826	9999	-5.44E-06	2.82E-05	9.52E-06	1.68E-06	0	1.35E-06	1.82E-05	8.78E-06	1.59E-06	0
5	3071	499.9583	3	7510	5237	9999	-2.44E-06	1.26E-05	4.23E-06	7.47E-07	0	6.05E-07	8.08E-06	3.90E-06	7.06E-07	0
5	3071	1624.958	3	836	583	9999	-7.82E-06	4.07E-05	1.37E-05	2.43E-06	0	1.95E-06	2.63E-05	1.27E-05	2.29E-06	0
5	3071	5374.958	3	866	604	9999	-2.49E-05	0.000133	4.53E-05	8.02E-06	0	6.21E-06	0.000087	4.19E-05	7.58E-06	0
5	3071	1624.938	2	474520	331004	9999	-9.49E-06	3.65E-05	1.11E-05	1.80E-06	0	6.78E-07	2.54E-05	1.20E-05	1.99E-06	0
5	3071	7374.938	2	2361	1647	9999	-4.09E-05	0.000163	5.03E-05	8.15E-06	0	2.61E-06	0.000115	5.43E-05	9.02E-06	0
5	3071	7124.938	2	4342	3028	9999	-3.96E-05	0.000158	4.86E-05	7.87E-06	0	2.54E-06	0.000111	5.25E-05	8.72E-06	0
5	3071	7874.938	2	303	211	9999	-4.35E-05	0.000174	5.36E-05	8.70E-06	0	2.74E-06	0.000123	5.80E-05	9.63E-06	0
5	3071	7624.938	2	3501	2442	9999	-4.22E-05	0.000168	5.19E-05	8.42E-06	0	2.67E-06	0.000119	5.61E-05	9.33E-06	0
5	3071	4874.938	2	105282	73424	9999	-2.77E-05	0.000109	3.33E-05	5.39E-06	0	1.86E-06	7.62E-05	3.59E-05	5.97E-06	0
5	3071	2124.938	2	379042	254347	9999	-1.24E-05	4.77E-05	1.45E-05	2.35E-06	0	8.75E-07	3.32E-05	1.57E-05	2.61E-06	0
5	3071	3374.938	2	289999	202247	9999	-1.9E-05	7.54E-05	2.31E-05	3.73E-06	0	1.34E-06	5.27E-05	2.49E-05	4.14E-06	0
5	3071	8124.938	2	303	211	9999	-4.48E-05	0.000179	5.53E-05	8.97E-06	0	2.80E-06	0.000127	5.98E-05	9.94E-06	0
5	3071	874.9375	2	187512	130772	9999	-5.14E-06	1.97E-05	5.99E-06	9.99E-07	0	3.73E-07	1.37E-05	6.46E-06	1.07E-06	0
5	3071	2624.938	2	291052	202982	9999	-1.52E-05	5.88E-05	1.80E-05	2.90E-06	0	1.07E-06	4.10E-05	1.94E-05	3.22E-06	0
5	3071	1374.938	2	438853	306060	9999	-8.05E-06	3.09E-05	9.41E-06	1.52E-06	0	5.77E-07	2.15E-05	1.02E-05	1.69E-06	0
5	3071	4124.938	2	349065	243441	9999	-2.36E-05	9.20E-05	2.82E-05	4.58E-06	0	1.61E-06	6.45E-05	3.04E-05	5.05E-06	0
5	3071	3874.938	2	353043	246215	9999	-2.22E-05	8.65E-05	2.65E-05	4.29E-06	0	1.62E-06	6.06E-05	2.86E-05	4.75E-06	0
5	3071	4624.938	2	178853	124733	9999	-2.63E-05	0.000103	3.16E-05	5.11E-06	0	1.78E-06	7.23E-05	3.41E-05	5.66E-06	0
5	3071	4374.938	2	265677	185285	9999	-2.49E-05	9.75E-05	2.99E-05	4.84E-06	0	1.69E-06	6.84E-05	3.23E-05	5.36E-06	0
5	3071	3124.938	2	262019	182734	9999	-1.8E-05	6.99E-05	2.14E-05	3.46E-06	0	1.25E-06	4.88E-05	2.31E-05	3.83E-06	0
5	3071	2874.938	2	266687	185990	9999	-1.7E-05	6.43E-05	1.97E-05	3.18E-06	0	1.16E-06	4.49E-05	2.12E-05	3.52E-06	0
5	3071	3624.938	2	330043	230175	9999	-2.08E-05	8.10E-05	2.49E-05	4.01E-06	0	1.43E-06	5.67E-05	2.57E-05	4.44E-06	0
5	3071	1874.938	2	433535	302351	9999	-1.09E-05	4.21E-05	1.29E-05	2.08E-06	0	7.77E-07	2.93E-05	1.38E-05	2.30E-06	0
5	3071	3874.875	1	112814	78677	9999	-2.61E-05	7.65E-05	2.02E-05	2.78E-06	0	0	0	0	0	0
5	3071	3124.875	1	542545	378375	9999	-2.12E-05	6.18E-05	1.63E-05	2.25E-06	0	0	0	0	0	0
5	3071	1124.938	2	345177	240729	9999	-6.60E-06	2.63E-05	7.70E-06	1.25E-06	0	4.75E-07	1.76E-05	8.30E-06	1.38E-06	0
5	3071	2374.875	1	790284	551151	9999	-1.62E-05	4.71E-05	1.24E-05	1.71E-06	0	0	0	0	0	0
5	3071	8374.938	2	533	371	9999	-4.61E-05	0.000185	5.70E-05	9.25E-06	0	2.87E-06	0.000131	6.16E-05	1.02E-05	0
5	3071	2874.875	1	782423	545669	9999	-1.96E-05	5.69E-05	1.50E-05	2.07E-06	0	0	0	0	0	0
5	3071	5624.875	1	11584	8079	9999	-3.74E-05	0.00011	2.93E-05	4.04E-06	0	0	0	0	0	0
5	3071	5374.875	1	17261	12038	9999	-3.59E-05	0.000106	2.80E-05	3.86E-06	0	0	0	0	0	0
5	3071	6124.875	1	3623	2526	9999										

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1_BET	C_2_BE	C_3_BE	C_4_BE	C_5_BE
8	7781	2124.938	2	955	816	9999	-5.50E-05	0.000214	5.52E-05	6.74E-06	0	1.01E-05	0.000132	5.88E-05	7.57E-06	0
8	7781	3624.875	1	12990	11094	9999	-0.00011	0.000332	7.72E-05	7.88E-06	0	0	0	0	0	0
8	7781	1624.938	2	83999	71742	9999	-4.2E-05	0.000165	4.23E-05	5.16E-06	0	7.65E-06	0.000101	4.50E-05	5.79E-06	0
8	7781	4374.938	2	155008	132390	9999	-4.2E-05	0.000165	4.23E-05	5.16E-06	0	7.65E-06	0.000101	4.50E-05	5.79E-06	0
8	7781	874.9375	2	61468	52499	9999	-2.3E-05	8.94E-05	2.28E-05	2.78E-06	0	4.06E-06	5.40E-05	2.42E-05	3.12E-06	0
8	7781	374.9375	2	689342	588756	9999	-9.96E-06	3.85E-05	9.76E-06	1.19E-06	0	1.71E-06	2.30E-05	1.04E-05	1.34E-06	0
8	7781	1374.938	2	12131	10361	9999	-3.60E-05	0.00014	3.58E-05	4.36E-06	0	8.44E-06	8.52E-05	3.80E-05	4.90E-06	0
8	7781	1124.938	2	28296	24167	9999	-2.96E-05	0.000115	2.93E-05	3.57E-06	0	5.26E-06	6.96E-05	3.11E-05	4.01E-06	0
8	7781	3374.875	1	17817	15217	9999	-0.0001	0.00031	7.19E-05	7.34E-06	0	0	0	0	0	0
8	7781	3124.938	2	77504	66195	9999	-7.96E-05	0.000311	8.11E-05	9.91E-06	0	1.49E-05	0.000195	8.64E-05	1.11E-05	0
8	7781	2874.938	2	274318	234290	9999	-7.4E-05	0.000287	7.47E-05	9.12E-06	0	1.37E-05	0.00018	7.96E-05	1.02E-05	0
8	7781	3374.938	2	77504	66195	9999	-8.56E-05	0.000335	8.76E-05	1.07E-05	0	1.61E-05	0.000211	9.33E-05	1.20E-05	0
8	7781	2874.875	1	109526	93544	9999	-8.59E-05	0.000266	6.13E-05	6.26E-06	0	0	0	0	0	0
8	7781	1874.938	2	80371	66643	9999	-4.87E-05	0.000189	4.87E-05	5.95E-06	0	8.85E-06	0.000117	5.19E-05	6.68E-06	0
8	7781	2624.938	2	955	816	9999	-6.74E-05	0.000263	6.82E-05	8.33E-06	0	1.25E-05	0.000164	7.26E-05	9.35E-06	0
8	7781	2374.938	2	77504	66195	9999	-8.12E-05	0.000236	6.17E-05	7.53E-06	0	1.13E-05	0.000148	6.57E-05	8.12E-06	0
8	7781	874.875	1	333130	284521	9999	-2.69E-05	8.30E-05	1.87E-05	1.91E-06	0	0	0	0	0	0
8	7781	3624.938	2	155024	132404	9999	-9.16E-05	0.000359	9.41E-05	1.15E-05	0	1.73E-05	0.000227	0.0001	1.29E-05	0
8	7781	5624.875	1	664	567	9999	-0.00016	0.000507	0.00012	1.22E-05	0	0	0	0	0	0
8	7781	1374.875	1	126080	107683	9999	-4.20E-05	0.00013	2.94E-05	2.99E-06	0	0	0	0	0	0
8	7781	3124.875	1	252889	215988	9999	-9.31E-05	0.000288	6.68E-05	6.90E-06	0	0	0	0	0	0
8	7781	6124.875	1	955	816	9999	-0.00018	0.00055	0.00013	1.33E-05	0	0	0	0	0	0
8	7781	5124.875	1	1344	1148	9999	-0.00015	0.000464	0.000109	1.11E-05	0	0	0	0	0	0
8	7781	7624.875	1	388	332	9999	-0.00022	0.00068	0.000162	1.66E-05	0	0	0	0	0	0
8	7781	1874.875	1	207698	177392	9999	-5.68E-05	0.000175	4.00E-05	4.08E-05	0	0	0	0	0	0
8	7781	1624.875	1	118256	101001	9999	-4.94E-05	0.000153	3.47E-05	3.54E-06	0	0	0	0	0	0
8	7781	2374.875	1	43830	37434	9999	-7.15E-05	0.000221	5.07E-05	5.17E-06	0	0	0	0	0	0
8	7781	2124.875	1	121609	103864	9999	-6.42E-05	0.000198	4.54E-05	4.63E-06	0	0	0	0	0	0
8	7781	4624.875	1	79836	68187	9999	-0.00014	0.00042	9.84E-05	1.01E-05	0	0	0	0	0	0
8	7781	374.875	1	624747	533587	9999	-1.16E-05	3.58E-05	8.02E-06	8.17E-07	0	0	0	0	0	0
8	7781	1124.875	1	835232	713358	9999	-3.44E-05	0.000106	2.40E-05	2.45E-06	0	0	0	0	0	0
8	7781	2624.875	1	271554	231939	9999	-7.87E-05	0.000243	0.000056	5.71E-06	0	0	0	0	0	0
8	7781	4124.875	1	2899	2476	9999	-0.00012	0.000376	8.78E-05	8.97E-06	0	0	0	0	0	0
8	7781	3874.875	1	86602	73112	9999	-0.00011	0.000354	8.25E-05	8.43E-06	0	0	0	0	0	0
8	7781	4374.875	1	3773	3223	9999	-0.00013	0.000398	9.31E-05	9.51E-06	0	0	0	0	0	0
8	7781	6874.875	1	1150	982	9999	-0.0002	0.000615	0.000146	1.49E-05	0	0	0	0	0	0
12	4096	3624.958	3	1562	1333	11906.62	-5.05E-05	0.000299	8.99E-05	6.72E-05	0	1.95E-05	0.000101	7.01E-05	6.36E-05	0
12	4096	2124.875	1	34833	29736	11906.62	-4.07E-05	0.00017	4.55E-05	2.59E-05	0	0	0	0	0	0
12	4096	874.875	1	781	666	11906.62	-1.71E-05	4.93E-05	1.88E-05	1.07E-05	0	0	0	0	0	0
12	4096	374.875	1	14885	12707	11906.62	-7.38E-06	2.13E-05	8.06E-06	4.57E-06	0	0	0	0	0	0
12	4096	1374.875	1	14840	12669	11906.62	-2.67E-05	7.66E-05	2.95E-05	1.68E-05	0	0	0	0	0	0
12	4096	2624.875	1	25445	21722	11906.62	-4.98E-05	0.000143	5.62E-05	3.19E-05	0	0	0	0	0	0
12	4096	4624.875	1	1952	1667	11906.62	-8.5E-05	0.000245	9.85E-05	5.62E-05	0	0	0	0	0	0
12	4096	4124.875	1	4686	4000	11906.62	-7.65E-05	0.00022	8.79E-05	5.01E-05	0	0	0	0	0	0
12	4096	3874.875	1	4688	4000	11906.62	-7.21E-05	0.000207	8.27E-05	4.71E-05	0	0	0	0	0	0
12	4096	499.9583	3	390	333	11906.62	-7.50E-06	3.02E-05	1.25E-05	9.29E-06	0	2.48E-06	1.36E-05	9.67E-06	8.78E-06	0
12	4096	4374.875	1	1952	1667	11906.62	-8.08E-05	0.000233	9.32E-05	5.31E-05	0	0	0	0	0	0
12	4096	1124.875	1	12917	11027	11906.62	-2.19E-05	0.000063	2.42E-05	1.37E-05	0	0	0	0	0	0
12	4096	1624.875	1	25445	21722	11906.62	-3.14E-05	9.01E-05	3.49E-05	1.98E-05	0	0	0	0	0	0
12	4096	4874.875	1	781	666	11906.62	-8.94E-05	0.000259	0.000104	5.92E-05	0	0	0	0	0	0
12	4096	5624.875	1	390	333	11906.62	-0.0001	0.000295	0.00012	6.82E-05	0	0	0	0	0	0
12	4096	5124.875	1	781	666	11906.62	-9.37E-05	0.00027	0.000109	6.22E-05	0	0	0	0	0	0
12	4096	5374.875	1	1171	1000	11906.62	-9.79E-05	0.000283	0.000114	6.52E-05	0	0	0	0	0	0
12	4096	1874.958	3	781	666	11906.62	-2.7E-05	0.000111	4.67E-05	3.48E-05	0	9.47E-06	5.17E-05	3.63E-05	3.7E-06	0
12	4096	2124.958	3	781	666	11906.62	-3.06E-05	0.000125	5.29E-05	3.94E-05	0	1.08E-05	5.87E-05	4.11E-05	3.7E-06	0
12	4096	3124.958	3	390	333	11906.62	-4.40E-05	0.000181	7.76E-05	5.60E-05	0	1.59E-05	8.68E-05	6.04E-05	5.48E-05	0
12	4096	3874.958	3	1171	1000	11906.62	-5.37E-05	0.000222	9.61E-05	7.18E-05	0	1.97E-05	0.000108	7.49E-05	6.80E-05	0
12	4096	3374.958	3	781	666	11906.62	-4.73E-05	0.000195	8.38E-05	6.26E-05	0	1.72E-05	9.38E-05	6.52E-05	5.92E-05	0
12	4096	2374.875	1	36753	33083	11906.62	-4.53E-05	0.00013	5.08E-05	2.89E-05	0	0	0	0	0	0
12	4096	3124.875	1	7810	6658	11906.62	-5.88E-05	0.000169	6.88E-05	3.80E-05	0	0	0	0	0	0
12	4096	2624.958	3	781	666	11906.62	-3.74E-05	0.000153	6.53E-05	4.87E-05	0	1.33E-05	7.28E-05	5.08E-05	4.61E-05	0
12	4096	1874.938	2	18009	15374	11906.62	-3.16E-05	0.000107	4.34E-05	2.88E-05	0	7.36E-06	5.23E-05	3.66E-05	3.17E-05	0
12	4096	1874.875	1	28569	24389	11906.62	-3.60E-05	0.000104	4.02E-05	2.28E-05	0	0	0	0	0	0
12	4096	2874.875	1	11761	10040	11906.62	-5.43E-05	0.000156	6.15E-05	3.50E-05	0	0	0	0	0	0
12	4096	2624.938	2	8997	7881	11906.62	-4.36E-05	0.000148	6.07E-05	4.03E-05	0	1.04E-05	7.36E-05	5.12E-05	4.44E-05	0
12	4096	2124.938	2	9387	8014	11906.62	-3.57E-05	0.000121	4.92E-05	3.27E-05	0	8.36E-06	5.94E-05	4.14E-05	3.60E-05	0
12	4096	3374.938	2	10574	9027	11906.62	-5.63E-05	0.000168	7.79E-05	5.18E-05	0	1.34E-05	9.50E-05	6.56E-05	5.71E-05	0
12	4096	3624.938	2	11746	10027	11906.62	-5.91E-05	0.000202	8.37E-05	5.56E-05	0	1.44E-05	0.000102	7.07E-05	6.13E-05	0
12	4096	2874.938	2	3920	3346	11906.62	-4.75E-05	0.000162	6.65E-05	4.42E-05	0	1.14E-05	8.07E-05	5.61E-05	4.86E-05	0
12	4096	3124.938	2	10574	9027	11906.62	-5.14E-05	0.000175	7.22E-05	4.80E-05	0	1.24E-05	8.79E-05	6.09E-05	5.28E-05	0
12	4096	1624.938	2	12512	10681	11906.62	-2.76E-05	9.32E-05	3.77E-05	2.50E-05	0	6.36E-06	4.53E-05	3.17E-05	2.75E-05	0
12	4096	5874.875	1	781	666	11906.62	-0.00017	0.000508	0.000208	0.000119	0	0	0	0	0	0
12	4096	1124.938	2	15651	13361	11906.62	-1.93E-0									

STATE	SECTION	W	LOAD	AXLE	TPE	COUNT	R	COUNT	D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
12	4096	6874.938	2	390	333	11906.62	-0.000111	0.000371	0.000158	0.000105	0	2.75E-05	0.000196	0.000134	0.000116	0	0	0	0	0
12	4096	3874.938	2	13308	11361	11906.62	-6.3E-05	0.000215	8.94E-05	5.95E-05	0	1.54E-05	0.000109	7.56E-05	6.55E-05	0	0	0	0	0
12	4096	874.9375	2	7810	6668	11906.62	-1.51E-05	5.09E-05	2.03E-05	1.35E-05	0	3.38E-06	2.42E-05	1.71E-05	1.48E-05	0	0	0	0	0
12	4097	7624.875	1	183	126	25536.8	-5.37E-05	0.000182	5.66E-05	3.27E-05	0	0	0	0	0	0	0	0	0	0
12	4097	5624.875	1	3115	2148	25536.8	-4.04E-05	0.000136	4.13E-05	2.42E-05	0	0	0	0	0	0	0	0	0	0
12	4097	7374.875	1	183	126	25536.8	-5.21E-05	0.000177	5.38E-05	3.17E-05	0	0	0	0	0	0	0	0	0	0
12	4097	5874.875	1	2382	1642	25536.8	-4.21E-05	0.000142	4.31E-05	2.53E-05	0	0	0	0	0	0	0	0	0	0
12	4097	5124.875	1	9734	6712	25536.8	-3.70E-05	0.000124	3.77E-05	2.21E-05	0	0	0	0	0	0	0	0	0	0
12	4097	8624.875	1	183	126	25536.8	-4.71E-05	0.000159	4.85E-05	2.85E-05	0	0	0	0	0	0	0	0	0	0
12	4097	874.875	1	16902	11656	25536.8	-6.61E-06	2.15E-05	6.53E-06	3.79E-06	0	0	0	0	0	0	0	0	0	0
12	4097	6874.875	1	183	126	25536.8	-4.88E-05	0.000165	5.03E-05	2.96E-05	0	0	0	0	0	0	0	0	0	0
12	4097	5374.875	1	6061	4180	25536.8	-3.87E-05	0.00013	3.95E-05	2.32E-05	0	0	0	0	0	0	0	0	0	0
12	4097	7874.875	1	183	126	25536.8	-5.5E-05	0.000188	5.74E-05	3.38E-05	0	0	0	0	0	0	0	0	0	0
12	4097	4874.875	1	20588	14198	25536.8	-3.5E-05	0.000118	3.59E-05	2.10E-05	0	0	0	0	0	0	0	0	0	0
12	4097	1874.875	1	485873	335070	25536.8	-1.40E-05	4.59E-05	1.40E-05	8.11E-06	0	0	0	0	0	0	0	0	0	0
12	4097	1624.875	1	272343	187815	25536.8	-1.22E-05	3.98E-05	1.21E-05	7.03E-06	0	0	0	0	0	0	0	0	0	0
12	4097	2124.875	1	752888	519211	25536.8	-1.59E-05	5.19E-05	1.58E-05	9.19E-06	0	0	0	0	0	0	0	0	0	0
12	4097	374.875	1	127537	87952	25536.8	-2.85E-06	9.22E-06	2.80E-06	1.63E-06	0	0	0	0	0	0	0	0	0	0
12	4097	1374.875	1	157939	108949	25536.8	-1.03E-05	3.37E-05	1.02E-05	5.95E-06	0	0	0	0	0	0	0	0	0	0
12	4097	6124.875	1	366	252	25536.8	-4.38E-05	0.000147	4.49E-05	2.64E-05	0	0	0	0	0	0	0	0	0	0
12	4097	9374.938	2	183	126	25536.8	-5.58E-05	0.00023	7.10E-05	4.81E-05	0	1.73E-05	0.00012	4.61E-05	5.08E-05	0	0	0	0	0
12	4097	2374.875	1	991420	883708	25536.8	-1.77E-05	5.80E-05	1.76E-05	1.03E-05	0	0	0	0	0	0	0	0	0	0
12	4097	8874.938	2	366	252	25536.8	-5.32E-05	0.000219	6.73E-05	4.56E-05	0	1.65E-05	0.000114	4.36E-05	4.81E-05	0	0	0	0	0
12	4097	5124.958	3	183	126	25536.8	-2.71E-05	0.000132	0.000041	3.07E-05	0	1.20E-05	0.000065	2.49E-05	2.84E-05	0	0	0	0	0
12	4097	4874.958	3	183	126	25536.8	-2.69E-05	0.000126	3.90E-05	2.92E-05	0	1.15E-05	6.18E-05	2.36E-05	2.70E-05	0	0	0	0	0
12	4097	3624.958	3	366	252	25536.8	-2E-05	9.39E-05	2.91E-05	2.18E-05	0	8.58E-06	4.59E-05	1.76E-05	2.01E-05	0	0	0	0	0
12	4097	3374.958	3	183	126	25536.8	-1.83E-05	8.75E-05	2.71E-05	2.03E-05	0	8.00E-06	4.27E-05	1.64E-05	1.87E-05	0	0	0	0	0
12	4097	4124.958	3	549	379	25536.8	-2.22E-05	0.000107	3.31E-05	2.49E-05	0	9.74E-06	5.23E-05	0.00002	2.29E-05	0	0	0	0	0
12	4097	5374.958	3	183	126	25536.8	-2.84E-05	0.000138	4.30E-05	3.22E-05	0	1.26E-05	6.82E-05	2.61E-05	2.98E-05	0	0	0	0	0
12	4097	3124.958	3	183	126	25536.8	-1.70E-05	8.11E-05	2.52E-05	1.82E-05	0	7.42E-06	3.96E-05	1.51E-05	1.74E-05	0	0	0	0	0
12	4097	9124.938	2	183	126	25536.8	-5.45E-05	0.000225	6.92E-05	4.88E-05	0	1.69E-05	0.000117	4.49E-05	4.94E-05	0	0	0	0	0
12	4097	8374.938	2	549	379	25536.8	-5.05E-05	0.000207	6.36E-05	4.30E-05	0	1.56E-05	0.000108	4.12E-05	4.54E-05	0	0	0	0	0
12	4097	6374.875	1	1466	1011	25536.8	-4.55E-05	0.000153	4.67E-05	2.74E-05	0	0	0	0	0	0	0	0	0	0
12	4097	499.9583	3	733	505	25536.8	-2.82E-06	1.31E-05	4.09E-06	3.01E-06	0	1.20E-06	6.32E-06	2.42E-06	2.78E-06	0	0	0	0	0
12	4097	2374.958	3	366	252	25536.8	-1.31E-05	6.18E-05	1.92E-05	1.43E-05	0	5.66E-06	3.01E-05	1.15E-05	1.32E-05	0	0	0	0	0
12	4097	2124.958	3	549	379	25536.8	-1.17E-05	5.53E-05	1.72E-05	1.28E-05	0	5.07E-06	2.69E-05	1.03E-05	1.18E-05	0	0	0	0	0
12	4097	2874.958	3	183	126	25536.8	-1.57E-05	7.47E-05	2.32E-05	1.73E-05	0	6.83E-06	3.64E-05	1.39E-05	1.60E-05	0	0	0	0	0
12	4097	2624.958	3	183	126	25536.8	-1.44E-05	6.82E-05	2.12E-05	1.58E-05	0	6.25E-06	3.32E-05	1.27E-05	1.46E-05	0	0	0	0	0
12	4097	1374.953	3	1099	758	25536.8	-7.67E-06	3.59E-05	1.11E-05	8.27E-06	0	3.29E-06	1.74E-05	6.65E-06	7.64E-06	0	0	0	0	0
12	4097	1124.958	3	549	379	25536.8	-6.30E-06	2.94E-05	9.11E-06	6.77E-06	0	2.70E-06	1.42E-05	5.44E-06	6.25E-06	0	0	0	0	0
12	4097	1874.958	3	1282	884	25536.8	-1.04E-05	4.89E-05	1.52E-05	1.13E-05	0	4.48E-06	2.37E-05	9.08E-06	1.04E-05	0	0	0	0	0
12	4097	1624.958	3	733	505	25536.8	-9.03E-06	4.24E-05	1.31E-05	9.77E-06	0	3.89E-06	2.06E-05	7.87E-06	9.03E-06	0	0	0	0	0
12	4097	3874.875	1	71127	49051	25536.8	-2.84E-05	9.41E-05	2.86E-05	1.67E-05	0	0	0	0	0	0	0	0	0	0
12	4097	1124.938	2	287399	198197	25536.8	-7.39E-06	2.85E-05	8.75E-06	5.82E-06	0	2.20E-06	1.44E-05	5.51E-06	6.12E-06	0	0	0	0	0
12	4097	6624.938	2	733	505	25536.8	-4.07E-05	0.000165	5.06E-05	3.41E-05	0	1.25E-05	8.49E-05	3.25E-05	3.59E-05	0	0	0	0	0
12	4097	6374.938	2	2022	1395	25536.8	-3.93E-05	0.000158	4.88E-05	3.28E-05	0	1.20E-05	8.17E-05	3.13E-05	3.48E-05	0	0	0	0	0
12	4097	7124.938	2	1466	1011	25536.8	-4.36E-05	0.000177	5.44E-05	3.66E-05	0	1.34E-05	9.13E-05	3.50E-05	3.86E-05	0	0	0	0	0
12	4097	6874.938	2	1282	884	25536.8	-4.22E-05	0.000171	5.75E-05	3.54E-05	0	1.29E-05	8.81E-05	3.38E-05	3.73E-05	0	0	0	0	0
12	4097	3874.938	2	535122	369034	25536.8	-2.46E-05	9.72E-05	2.99E-05	2.00E-05	0	7.44E-06	4.95E-05	1.90E-05	2.10E-05	0	0	0	0	0
12	4097	874.9375	2	137454	94792	25536.8	-5.76E-06	2.22E-05	6.81E-06	4.53E-06	0	1.71E-06	1.12E-05	4.28E-06	4.76E-06	0	0	0	0	0
12	4097	7874.938	2	366	252	25536.8	-4.77E-05	0.000195	5.99E-05	4.05E-05	0	1.47E-05	0.000101	3.87E-05	4.27E-05	0	0	0	0	0
12	4097	1374.938	2	431113	297305	25536.8	-9.00E-06	3.48E-05	1.07E-05	7.11E-06	0	2.68E-06	1.76E-05	6.73E-06	7.48E-06	0	0	0	0	0
12	4097	3124.938	2	259846	179196	25536.8	-2.00E-05	7.85E-05	2.42E-05	1.61E-05	0	6.03E-06	3.99E-05	1.53E-05	1.77E-05	0	0	0	0	0
12	4097	1624.938	2	352015	249655	25536.8	-1.1E-05	4.11E-05	1.26E-05	8.40E-06	0	3.17E-06	2.07E-05	7.95E-06	8.6E-06	0	0	0	0	0
12	4097	1124.875	1	133782	92259	25536.8	-8.47E-06	2.78E-05	8.39E-06	4.87E-06	0	0	0	0	0	0	0	0	0	0
12	4097	2874.938	2	235592	162470	25536.8	-1.85E-05	7.24E-05	2.22E-05	1.48E-05	0	5.56E-06	3.67E-05	1.41E-05	1.56E-05	0	0	0	0	0
12	4097	2624.875	1	677546	487253	25536.8	-1.95E-05	6.40E-05	1.95E-05	1.14E-05	0	0	0	0	0	0	0	0	0	0
12	4097	3374.938	2	335372	231281	25536.8	-2.16E-05	8.48E-05	2.61E-05	1.74E-05	0	6.50E-06	4.31E-05	1.65E-05	1.83E-05	0	0	0	0	0
12	4097	2124.938	2	304682	210116	25536.8	-1.38E-05	5.36E-05	1.65E-05	1.10E-05	0	4.13E-06	2.71E-05	1.04E-05	1.16E-05	0	0	0	0	0
12	4097	1874.938	2	377078	260043	25536.8	-1.2E-05	4.74E-05	1.46E-05	9.69E-06	0	3.65E-06	2.39E-05	9.18E-06	1.02E-05	0	0	0	0	0
12	4097	2624.938	2	238898	164750	25536.8	-1.69E-05	6.61E-05	2.03E-05	1.36E-05	0	5.08E-06	3.35E-05	1.29E-05	1.43E-05	0	0	0	0	0</

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	EL_1	Ec_2	Ec_3	Ec_4	Ec_5	EL_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
12	4100	6874.938	2	1414	1185	17952	-7.95E-05	0.00025	0.000151	0.000101	0	1.62E-05	0.000128	0.00013	0.000111	0
12	4100	7124.938	2	2121	1778	17952	-8.21E-05	0.000259	0.000156	0.000104	0	1.68E-05	0.000132	0.000134	0.000115	0
12	4100	6374.938	2	1414	1185	17952	-7.42E-05	0.000233	0.00014	9.35E-05	0	1.51E-05	0.000118	0.00012	0.000103	0
12	4100	6624.938	2	2828	2371	17952	-7.68E-05	0.000242	0.000145	9.71E-05	0	1.57E-05	0.000123	0.000125	0.000107	0
12	4100	7374.938	2	2828	2371	17952	-8.47E-05	0.000268	0.000161	0.000108	0	1.73E-05	0.000137	0.000139	0.000119	0
12	4100	6124.938	2	2475	2075	17952	-7.15E-05	0.000224	0.000134	8.98E-05	0	1.48E-05	0.000114	0.000116	8.88E-05	0
12	4100	374.9375	2	29078	24379	17952	-4.77E-06	1.48E-05	8.32E-06	5.52E-06	0	8.32E-07	6.72E-06	7.08E-06	6.06E-06	0
12	4100	2624.938	2	29078	24379	17952	-3.23E-05	9.97E-05	0.000058	3.86E-05	0	6.08E-06	4.80E-05	4.95E-05	4.24E-05	0
12	4100	8124.938	2	353	296	17952	-9.25E-05	0.000294	0.000178	0.000119	0	1.90E-05	0.000151	0.000153	0.000131	0
12	4100	1374.938	2	60986	51131	17952	-1.73E-05	5.33E-05	3.05E-05	2.02E-05	0	3.14E-06	2.48E-05	2.60E-05	2.22E-05	0
12	4100	1124.938	2	58497	49045	17952	-1.42E-05	4.38E-05	2.49E-05	1.66E-05	0	2.5E-06	2.04E-05	2.12E-05	1.82E-05	0
12	4100	1624.938	2	53193	44597	17952	-2E-05	6.27E-05	3.60E-05	2.39E-05	0	3.73E-06	2.95E-05	3.07E-05	2.63E-05	0
12	4100	3124.938	2	28004	23479	17952	-3.81E-05	0.000118	6.90E-05	4.59E-05	0	7.25E-06	5.73E-05	5.90E-05	5.05E-05	0
12	4100	2874.938	2	25515	21392	17952	-3.52E-05	0.000109	6.35E-05	4.23E-05	0	6.87E-06	5.27E-05	5.43E-05	4.64E-05	0
12	4100	3624.938	2	32274	27059	17952	-4.38E-05	0.000136	7.99E-05	5.32E-05	0	8.43E-06	6.67E-05	6.84E-05	5.85E-05	0
12	4100	3374.938	2	29078	24379	17952	-4.10E-05	0.000127	7.45E-05	4.96E-05	0	7.84E-06	6.20E-05	6.37E-05	5.45E-05	0
12	4100	1874.938	2	42189	35372	17952	-2.33E-05	7.21E-05	4.15E-05	2.76E-05	0	4.31E-06	3.41E-05	3.54E-05	3.03E-05	0
12	4100	2374.938	2	26929	22578	17952	-2.9E-05	9.06E-05	5.25E-05	3.49E-05	0	5.49E-06	4.34E-05	4.48E-05	3.84E-05	0
12	4100	4624.938	2	12403	10399	17952	-5.51E-05	0.000172	0.000102	6.79E-05	0	1.08E-05	8.54E-05	8.73E-05	7.46E-05	0
12	4100	2124.938	2	38653	32407	17952	-2.63E-05	8.14E-05	0.000047	3.12E-05	0	4.90E-06	3.88E-05	4.01E-05	3.43E-05	0
12	4100	6374.875	1	707	592	17952	-8.54E-05	0.000224	0.000126	7.18E-05	0	0	0	0	0	0
12	4100	4874.875	1	4243	3557	17952	-6.64E-05	0.000173	9.69E-05	5.50E-05	0	0	0	0	0	0
12	4100	7374.875	1	353	296	17952	-9.77E-05	0.000257	0.000146	8.30E-05	0	0	0	0	0	0
12	4100	7124.875	1	353	296	17952	-9.47E-05	0.000249	0.000141	8.02E-05	0	0	0	0	0	0
12	4100	5524.875	1	2121	1778	17952	-7.60E-05	0.000198	0.000112	6.34E-05	0	0	0	0	0	0
12	4100	5874.875	1	1060	889	17952	-7.91E-05	0.000207	0.000117	6.62E-05	0	0	0	0	0	0
12	4100	5124.875	1	6011	5040	17952	-6.96E-05	0.000182	0.000102	5.78E-05	0	0	0	0	0	0
12	4100	5374.875	1	2475	2075	17952	-7.28E-05	0.00019	0.000107	6.06E-05	0	0	0	0	0	0
12	4100	6624.875	1	707	592	17952	-8.55E-05	0.000232	0.000131	7.46E-05	0	0	0	0	0	0
12	4100	1874.875	1	107433	90073	17952	-2.66E-05	6.94E-05	3.75E-05	2.12E-05	0	0	0	0	0	0
12	4100	6124.875	1	353	296	17952	-8.23E-05	0.000215	0.000121	6.90E-05	0	0	0	0	0	0
12	4100	1374.958	3	707	592	17952	-1.40E-05	5.53E-05	3.34E-05	2.49E-05	0	4.48E-06	2.48E-05	2.61E-05	2.35E-05	0
12	4100	1624.958	3	353	296	17952	-1.75E-05	6.51E-05	3.94E-05	2.94E-05	0	5.30E-06	2.94E-05	3.08E-05	2.78E-05	0
12	4100	1124.958	3	707	592	17952	-1.22E-05	4.54E-05	2.7E-05	2.04E-05	0	3.65E-06	2.02E-05	2.13E-05	1.79E-05	0
12	4100	2874.958	3	353	296	17952	-3.02E-05	0.000113	6.96E-05	5.20E-05	0	9.47E-06	5.24E-05	5.45E-05	4.91E-05	0
12	4100	499.9583	3	707	592	17952	-5.49E-06	2.04E-05	1.22E-05	9.06E-06	0	1.60E-06	8.82E-06	9.48E-06	8.55E-06	0
12	4100	8374.938	2	707	592	17952	-9.50E-05	0.000303	0.000183	0.000123	0	1.95E-05	0.000158	0.000158	0.000135	0
12	4100	8624.938	2	353	296	17952	-9.76E-05	0.000311	0.000188	0.000126	0	2.00E-05	0.000161	0.000163	0.000139	0
12	4100	3124.958	3	707	592	17952	-3.26E-05	0.000123	7.68E-05	5.65E-05	0	1.03E-05	5.70E-05	5.92E-05	5.34E-05	0
12	4100	6124.958	3	353	296	17952	-6.1E-05	0.000233	0.000147	0.000111	0	2.06E-05	0.000113	0.000116	0.000105	0
12	4100	5624.958	3	707	592	17952	-5.62E-05	0.000215	0.000136	0.000102	0	1.86E-05	0.000104	0.000107	9.59E-05	0
12	4100	4374.938	2	4950	4150	17952	-5.78E-05	0.00018	0.000107	7.15E-05	0	1.14E-05	9.01E-05	9.20E-05	7.87E-05	0
12	4100	6874.875	1	353	296	17952	-9.18E-05	0.00024	0.000136	7.74E-05	0	0	0	0	0	0
12	4100	5124.938	2	4597	3854	17952	-6.06E-05	0.000189	0.000113	7.52E-05	0	1.19E-05	9.48E-05	9.67E-05	8.27E-05	0
12	4100	2124.958	3	707	592	17952	-2.26E-05	8.45E-05	5.15E-05	3.85E-05	0	6.97E-06	3.85E-05	4.03E-05	3.63E-05	0
12	4100	1624.875	1	81550	68373	17952	-2.31E-05	8.04E-05	3.26E-05	1.84E-05	0	0	0	0	0	0
12	4100	7624.938	2	707	592	17952	-8.73E-05	0.000277	0.000167	0.000112	0	1.79E-05	0.000142	0.000144	0.000123	0
12	4100	4124.938	2	39700	33285	17952	-4.95E-05	0.000154	9.09E-05	6.06E-05	0	9.60E-06	0.000076	7.78E-05	6.66E-05	0
12	4100	4374.938	2	25175	21107	17952	-5.23E-05	0.000163	9.63E-05	6.42E-05	0	1.02E-05	8.07E-05	8.26E-05	7.06E-05	0
12	4100	5874.938	2	3903	3272	17952	-6.88E-05	0.000216	0.000129	8.62E-05	0	1.40E-05	0.000109	0.000111	9.47E-05	0
12	4100	5374.938	2	1050	889	17952	-6.33E-05	0.000198	0.000118	7.89E-05	0	1.29E-05	9.95E-05	0.000101	8.67E-05	0
12	4100	3374.875	1	19943	16537	17952	-4.68E-05	0.000122	6.73E-05	3.81E-05	0	0	0	0	0	0
12	4100	3624.875	1	17368	14551	17952	-5.01E-05	0.000131	7.23E-05	4.09E-05	0	0	0	0	0	0
12	4100	2874.875	1	53519	44971	17952	-4.02E-05	0.000105	5.74E-05	3.25E-05	0	0	0	0	0	0
12	4100	3124.875	1	25515	21392	17952	-4.35E-05	0.000113	6.24E-05	3.53E-05	0	0	0	0	0	0
12	4100	1374.875	1	56729	47562	17952	-1.96E-05	6.13E-05	2.76E-05	1.56E-05	0	0	0	0	0	0
12	4100	2374.875	1	135818	113871	17952	-3.34E-05	8.71E-05	4.75E-05	2.68E-05	0	0	0	0	0	0
12	4100	5624.938	2	1768	1482	17952	-6.61E-05	0.000207	0.000124	8.25E-05	0	1.34E-05	0.000104	0.000106	9.07E-05	0
12	4100	4374.875	1	13464	11289	17952	-5.99E-05	0.000156	8.71E-05	4.94E-05	0	0	0	0	0	0
12	4100	874.875	1	3536	2964	17952	-1.25E-05	3.30E-05	1.76E-05	9.90E-06	0	0	0	0	0	0
12	4100	374.875	1	30860	25873	17952	-5.42E-06	1.42E-05	7.53E-06	4.25E-06	0	0	0	0	0	0
12	4100	2124.875	1	112030	93927	17952	-3.00E-05	7.83E-05	4.25E-05	2.40E-05	0	0	0	0	0	0
12	4100	1124.875	1	57055	47836	17952	-1.61E-05	4.22E-05	2.26E-05	1.27E-05	0	0	0	0	0	0
12	4100	2624.875	1	95015	79662	17952	-3.68E-05	9.59E-05	5.25E-05	2.97E-05	0	0	0	0	0	0
12	4100	4124.875	1	9928	8324	17952	-5.67E-05	0.000149	8.21E-05	4.65E-05	0	0	0	0	0	0
12	4100	3874.875	1	14879	12475	17952	-5.34E-05	0.000139	7.72E-05	4.37E-05	0	0	0	0	0	0
12	4100	4624.875	1	7086	5841	17952	-6.32E-05	0.000165	9.20E-05	5.22E-05	0	0	0	0	0	0
12	4108	374.875	1	37889	25285	17536.5	-5.47E-06	1.44E-05	8.59E-06	4.31E-06	0	0	0	0	0	0
12	4108	874.875	1	5675	3787	17536.5	-1.27E-05	3.33E-05	2.00E-05	1.01E-05	0	0	0	0	0	0
12	4108	4124.875	1	11878	7927	17536.5	-5.67E-05	0.000149	9.37E-05	4.73E-05	0	0	0	0	0	0
12	4108	2124.875	1	113325	75628	17536.5	-3.02E-05	7.89E-05	4.85E-05	2.44E-05	0	0	0	0	0	0
12	4108	1124.875	1	56487	37897	17536.5	-1.62E-05	4.26E-05	2.57E-05	1.29E-05	0	0				

STATE	SECTION	W LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
12	4108	5124.875	1	3957	2641	17536.5	-6.95E-05	0.000182	0.000116	5.87E-05	0	0	0	0	0	0
12	4108	5374.875	1	2576	1719	17536.5	-7.3E-05	0.000191	0.000122	6.15E-05	0	0	0	0	0	0
12	4108	5624.875	1	171	114	17536.5	-8.83E-05	0.000232	0.00015	7.58E-05	0	0	0	0	0	0
12	4108	5874.875	1	171	114	17536.5	-9.1E-05	0.000241	0.000155	7.86E-05	0	0	0	0	0	0
12	4108	6124.875	1	343	229	17536.5	-8.2E-05	0.000216	0.000138	7.01E-05	0	0	0	0	0	0
12	4108	6374.875	1	1030	687	17536.5	-8.52E-05	0.000224	0.000144	7.29E-05	0	0	0	0	0	0
12	4108	2124.958	3	171	114	17536.5	-2.28E-05	8.55E-05	5.91E-05	3.90E-05	0	6.76E-06	3.94E-05	4.64E-05	3.68E-05	0
12	4108	8524.938	2	171	114	17536.5	-9.73E-05	0.000313	0.000216	0.000128	0	1.90E-05	0.000164	0.000188	0.000141	0
12	4108	5124.958	3	171	114	17536.5	-5.2E-05	0.000199	0.000142	9.40E-05	0	1.64E-05	9.63E-05	0.000112	8.87E-05	0
12	4108	3374.875	1	25310	16891	17536.5	-4.69E-05	0.000123	7.88E-05	3.87E-05	0	0	0	0	0	0
12	4108	2374.875	1	118162	78856	17536.5	-3.36E-05	8.78E-05	5.42E-05	2.73E-05	0	0	0	0	0	0
12	4108	1374.958	3	687	458	17536.5	-1.50E-05	5.61E-05	3.83E-05	2.53E-05	0	4.34E-06	2.53E-05	3.00E-05	2.38E-05	0
12	4108	6874.938	2	687	458	17536.5	-7.9E-05	0.000252	0.000172	0.000102	0	1.54E-05	0.00013	0.00015	0.000113	0
12	4108	2624.938	2	21009	14020	17536.5	-3.24E-05	0.000101	6.92E-05	3.92E-05	0	5.78E-06	4.73E-05	5.71E-05	4.31E-05	0
12	4108	1874.938	2	40473	27009	17536.5	-2.35E-05	7.29E-05	4.75E-05	0.000028	0	4.1E-06	3.48E-05	4.08E-05	3.08E-05	0
12	4108	2124.938	2	29789	19880	17536.5	-2.65E-05	8.22E-05	5.38E-05	3.17E-05	0	4.66E-06	3.96E-05	4.62E-05	3.49E-05	0
12	4108	3374.938	2	26869	17931	17536.5	-4.11E-05	0.000128	8.52E-05	5.03E-05	0	7.46E-06	6.09E-05	7.34E-05	5.54E-05	0
12	4108	3624.938	2	35306	23562	17536.5	-4.4E-05	0.000137	9.15E-05	5.41E-05	0	8.02E-06	6.54E-05	7.88E-05	5.95E-05	0
12	4108	2874.938	2	24286	16207	17536.5	-3.53E-05	0.00011	7.27E-05	4.29E-05	0	6.34E-06	5.19E-05	6.25E-05	4.72E-05	0
12	4108	3124.938	2	23942	15978	17536.5	-3.82E-05	0.000119	7.89E-05	4.66E-05	0	6.90E-06	5.64E-05	6.80E-05	5.13E-05	0
12	4108	1624.938	2	45161	30806	17536.5	-2.04E-05	6.35E-05	4.12E-05	2.43E-05	0	3.54E-06	3.01E-05	3.54E-05	2.67E-05	0
12	4108	1124.938	2	42547	28394	17536.5	-1.43E-05	4.44E-05	2.85E-05	1.68E-05	0	2.43E-06	2.08E-05	2.45E-05	1.85E-05	0
12	4108	1374.938	2	52015	34712	17536.5	-1.74E-05	5.40E-05	3.49E-05	2.05E-05	0	2.99E-06	2.55E-05	2.99E-05	2.26E-05	0
12	4108	374.9375	2	24458	16322	17536.5	-4.82E-06	1.50E-05	9.52E-06	5.61E-06	0	7.90E-07	8.86E-06	8.16E-06	6.16E-06	0
12	4108	3974.938	2	36852	24593	17536.5	-4.67E-05	0.000146	9.77E-05	5.78E-05	0	8.57E-06	6.99E-05	8.43E-05	6.35E-05	0
12	4108	2374.938	2	24286	16207	17536.5	-2.94E-05	9.15E-05	6.01E-05	3.55E-05	0	5.22E-06	4.28E-05	5.17E-05	3.90E-05	0
12	4108	5374.938	2	687	458	17536.5	-6.33E-05	0.000199	0.000135	8.01E-05	0	1.19E-05	0.000101	0.000117	8.81E-05	0
12	4108	4624.938	2	9639	6432	17536.5	-5.51E-05	0.000173	0.000117	6.89E-05	0	1.02E-05	8.35E-05	0.000101	7.58E-05	0
12	4108	5124.938	2	1717	1145	17536.5	-6.06E-05	0.00019	0.000129	7.64E-05	0	1.13E-05	9.66E-05	0.000111	8.40E-05	0
12	4108	5874.938	2	1545	1031	17536.5	-6.87E-05	0.000217	0.000148	8.75E-05	0	1.30E-05	0.000111	0.000128	9.83E-05	0
12	4108	5624.938	2	858	573	17536.5	-6.80E-05	0.000208	0.000141	8.38E-05	0	1.24E-05	0.000106	0.000122	9.22E-05	0
12	4108	4374.938	2	20494	13676	17536.5	-5.23E-05	0.000164	0.00011	6.52E-05	0	9.69E-06	7.90E-05	9.52E-05	7.17E-05	0
12	4108	874.9375	2	23421	15630	17536.5	-1.12E-05	3.47E-05	2.22E-05	1.31E-05	0	1.88E-06	1.61E-05	1.90E-05	1.44E-05	0
12	4108	4874.938	2	2748	1834	17536.5	-5.78E-05	0.000182	0.000123	7.26E-05	0	1.08E-05	9.19E-05	0.000106	7.99E-05	0
12	4108	7124.938	2	515	343	17536.5	-8.19E-05	0.00025	0.000179	0.00010	0	1.60E-05	0.000135	0.000155	0.000117	0
12	4108	6124.938	2	1202	802	17536.5	-7.13E-05	0.000226	0.000154	9.12E-05	0	1.35E-05	0.000116	0.000133	0.0001	0
12	4108	7374.938	2	858	573	17536.5	-8.45E-05	0.000269	0.000185	0.00011	0	1.65E-05	0.000114	0.00016	0.000121	0
12	4108	8124.938	2	343	229	17536.5	-9.23E-05	0.000295	0.000203	0.000121	0	1.80E-05	0.000154	0.000177	0.000133	0
12	4108	7874.938	2	343	229	17536.5	-9E-05	0.000287	0.000197	0.000117	0	1.75E-05	0.00015	0.000171	0.000129	0
12	4108	6624.938	2	1374	917	17536.5	-7.67E-05	0.000243	0.000166	9.86E-05	0	1.49E-05	0.000125	0.000144	0.000109	0
12	4108	6374.938	2	515	343	17536.5	-7.40E-05	0.000234	0.00016	9.49E-05	0	1.44E-05	0.000121	0.000139	0.000104	0
12	4108	1874.875	1	108853	72643	17536.5	-2.87E-05	6.99E-05	4.28E-05	2.15E-05	0	0	0	0	0	0
12	4108	4124.938	2	30490	20347	17536.5	-4.95E-05	0.000155	0.000104	6.15E-05	0	9.13E-06	7.45E-05	8.97E-05	6.76E-05	0
28	3082	1624.938	2	6	0	299503.5	-8.29E-06	1.58E-05	2.36E-05	8.20E-06	0	2.06E-06	1.63E-06	1.13E-05	8.49E-06	0
28	3082	874.9375	2	6	0	299503.5	-4.55E-06	8.68E-06	1.28E-05	4.42E-06	0	1.09E-06	8.77E-07	6.08E-06	4.57E-06	0
28	3082	1374.938	2	12	0	299503.5	-7.06E-06	1.35E-05	2.00E-05	6.94E-06	0	1.74E-06	1.38E-06	9.56E-06	7.18E-06	0
28	3082	2124.875	1	12	0	299503.5	-1.17E-05	2.05E-05	3.00E-05	8.93E-06	0	0	0	0	0	0
28	3082	3374.938	2	6	0	299503.5	-1.65E-05	3.13E-05	4.87E-05	0.000017	0	4.34E-06	3.41E-06	2.35E-05	1.76E-05	0
28	3082	1874.875	1	6	0	299503.5	-1.04E-05	1.82E-05	2.65E-05	7.98E-06	0	0	0	0	0	0
28	3082	1874.938	2	6	0	299503.5	-9.51E-06	1.81E-05	2.72E-05	9.46E-06	0	2.38E-06	1.89E-06	1.30E-05	9.79E-06	0
32	1030	1124.875	1	115891	0	667485.6	-7.04E-05	1.02E-05	2.69E-05	7.78E-06	0	0	0	0	0	0
32	1030	3374.875	1	357557	0	667485.6	-2.00E-05	2.85E-05	7.83E-05	2.33E-05	0	0	0	0	0	0
32	1030	1624.875	1	890588	0	667485.6	-1.00E-05	1.45E-05	3.85E-05	1.12E-05	0	0	0	0	0	0
32	1030	1874.875	1	729853	0	667485.6	-1.15E-05	1.66E-05	4.43E-05	1.30E-05	0	0	0	0	0	0
32	1030	2624.875	1	982598	0	667485.6	-1.58E-05	2.27E-05	6.14E-05	1.81E-05	0	0	0	0	0	0
32	1030	3624.875	1	237121	0	667485.6	-2.1E-05	3.04E-05	8.39E-05	2.50E-05	0	0	0	0	0	0
32	1030	2374.875	1	1096715	0	667485.6	-1.4E-05	2.07E-05	5.59E-05	1.64E-05	0	0	0	0	0	0
32	1030	1124.958	3	3485	0	667485.6	-5.54E-06	9.79E-06	2.74E-05	9.83E-06	0	1.93E-06	1.05E-06	9.16E-06	8.65E-06	0
32	1030	874.875	1	28707	0	667485.6	-5.51E-06	8.01E-06	2.10E-05	6.06E-06	0	0	0	0	0	0
32	1030	1124.938	2	58363	0	667485.6	-6.29E-06	0.00001	2.71E-05	8.81E-06	0	1.60E-06	1.20E-06	9.39E-06	8.64E-06	0
32	1030	874.9375	2	51278	0	667485.6	-4.93E-06	7.85E-06	2.12E-05	6.85E-06	0	1.24E-06	9.29E-07	7.28E-06	6.72E-06	0
32	1030	3624.938	2	103604	0	667485.6	-1.90E-05	2.97E-05	8.48E-05	2.83E-05	0	5.26E-06	3.89E-06	3.09E-05	2.78E-05	0
32	1030	5124.938	2	21364	0	667485.6	-2.60E-05	4.01E-05	0.000118	3.99E-05	0	7.44E-06	5.53E-06	4.40E-05	3.93E-05	0
32	1030	2374.938	2	98389	0	667485.6	-1.28E-05	2.02E-05	5.64E-05	1.86E-05	0	3.43E-06	2.54E-06	2.01E-05	1.82E-05	0
32	1030	1374.938	2	152483	0	667485.6	-7.63E-06	1.21E-05	3.31E-05	1.08E-05	0	1.97E-06	1.46E-06	1.15E-05	1.06E-05	0
32	1030	2124.875	1	965332	0	667485.6	-1.30E-05	1.87E-05	5.01E-05	1.47E-05	0	0	0	0	0	0
32	1030	3124.958	3	3485	0	667485.6	-1.45E-05	2.54E-05	7.43E-05	2.72E-05	0	5.43E-06	2.94E-06	2.59E-05	2.40E-05	0
32	1030	4374.958	3	702	0	667485.6	-1.96E-05	3.42E-05	0.000103	3.81E-05	0	7.61E-06	4.13E-06	3.66E-05	3.38E-05	0
32	1030	374.9375	2	35586	0	667485.6	-2.14E-06	3.42E-06	9.11E-06	2.94E-06	0	5.25E-07	3.97E-07	3.09E-06	2.88E-06	0
32																

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	Et_1	Ec_2	Ec_3	Ec_4	Ec_5	Et_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
32	1030	1874.938	2	154445	0	667485.6	-1.03E-05	1.62E-05	4.48E-05	1.47E-05	0	2.70E-06	2.00E-06	1.58E-05	1.44E-05	0
32	1030	1624.938	2	229328	0	667485.6	-8.95E-06	1.42E-05	3.89E-05	1.27E-05	0	2.33E-06	1.73E-06	1.36E-05	1.25E-05	0
32	1030	4874.938	2	33558	0	667485.6	-2.48E-05	3.84E-05	0.000113	3.80E-05	0	7.08E-06	5.25E-06	4.18E-05	3.74E-05	0
32	1030	2124.938	2	122795	0	667485.6	-1.15E-05	1.83E-05	5.06E-05	1.66E-05	0	3.06E-06	2.27E-06	1.79E-05	1.63E-05	0
32	1030	3374.938	2	61165	0	667485.6	-1.78E-05	2.78E-05	7.91E-05	2.63E-05	0	4.89E-06	3.62E-06	2.87E-05	2.59E-05	0
32	1030	5124.875	1	57401	0	667485.6	-2.94E-05	4.11E-05	0.000117	3.52E-05	0	0	0	0	0	0
32	1030	5874.938	2	1590	0	667485.6	-2.94E-05	4.50E-05	0.000135	4.57E-05	0	8.53E-06	6.36E-06	5.06E-05	4.50E-05	0
32	1030	5374.938	2	8044	0	667485.6	-2.71E-05	4.18E-05	0.000124	4.18E-05	0	7.80E-06	5.80E-06	4.62E-05	4.12E-05	0
32	1030	3124.938	2	83564	0	667485.6	-1.65E-05	2.60E-05	7.35E-05	2.44E-05	0	4.53E-06	3.35E-06	2.66E-05	2.40E-05	0
32	1030	4624.938	2	57176	0	667485.6	-2.37E-05	3.67E-05	0.000107	3.60E-05	0	6.72E-06	4.98E-06	3.96E-05	3.65E-05	0
32	1030	3874.938	2	109038	0	667485.6	-2.02E-05	3.15E-05	9.04E-05	3.02E-05	0	5.62E-06	4.16E-06	3.31E-05	2.97E-05	0
32	1030	4124.938	2	120574	0	667485.6	-2.14E-05	3.33E-05	9.60E-05	3.22E-05	0	5.99E-06	4.43E-06	3.53E-05	3.16E-05	0
32	1030	4374.938	2	74518	0	667485.6	-2.25E-05	3.50E-05	0.000102	3.41E-05	0	6.35E-06	4.71E-06	3.75E-05	3.35E-05	0
32	1030	3124.875	1	566992	0	667485.6	-1.86E-05	2.66E-05	7.27E-05	2.18E-05	0	0	0	0	0	0
32	1030	1624.875	1	297196	0	667485.6	-1.00E-05	1.45E-05	3.85E-05	1.12E-05	0	0	0	0	0	0
32	1030	5624.938	2	6348	0	667485.6	-2.83E-05	4.34E-05	0.000129	4.38E-05	0	8.17E-06	6.08E-06	4.84E-05	4.31E-05	0
32	1030	7374.875	1	1033	0	667485.6	-4.09E-05	5.57E-05	0.000165	5.05E-05	0	0	0	0	0	0
32	1030	4874.875	1	91887	0	667485.6	-2.81E-05	3.93E-05	0.000111	3.35E-05	0	0	0	0	0	0
32	1030	4374.875	1	167500	0	667485.6	-2.55E-05	3.58E-05	0.0001	3.01E-05	0	0	0	0	0	0
32	1030	6374.875	1	10152	0	667485.6	-3.6E-05	4.94E-05	0.000144	4.37E-05	0	0	0	0	0	0
32	1030	6124.875	1	2279	0	667485.6	-3.46E-05	4.78E-05	0.000139	4.20E-05	0	0	0	0	0	0
32	1030	5874.875	1	30311	0	667485.6	-3.33E-05	4.61E-05	0.000133	4.03E-05	0	0	0	0	0	0
32	1030	2624.938	2	113345	0	667485.6	-1.41E-05	2.22E-05	6.21E-05	2.05E-05	0	3.79E-06	2.81E-06	2.22E-05	2.01E-05	0
32	1030	3874.875	1	248135	0	667485.6	-2.28E-05	3.22E-05	8.94E-05	2.67E-05	0	0	0	0	0	0
32	1030	6624.938	2	251	0	667485.6	-3.27E-05	4.98E-05	0.000151	5.15E-05	0	9.60E-06	7.19E-06	5.73E-05	5.08E-05	0
32	1030	5624.875	1	31676	0	667485.6	-3.20E-05	4.45E-05	0.000128	3.86E-05	0	0	0	0	0	0
32	1030	5374.875	1	24508	0	667485.6	-3.07E-05	4.28E-05	0.000122	3.69E-05	0	0	0	0	0	0
32	1030	4124.875	1	223642	0	667485.6	-2.41E-05	3.40E-05	9.49E-05	2.84E-05	0	0	0	0	0	0
32	1030	4624.875	1	135850	0	667485.6	-2.68E-05	3.76E-05	0.000106	3.18E-05	0	0	0	0	0	0
32	1030	7624.938	2	265	0	667485.6	-3.70E-05	5.58E-05	0.000173	5.92E-05	0	1.10E-05	8.30E-06	6.61E-05	5.84E-05	0
32	1030	7874.938	2	251	0	667485.6	-3.8E-05	5.73E-05	0.000178	6.11E-05	0	1.15E-05	8.58E-06	6.83E-05	6.03E-05	0
32	1030	2874.938	2	147473	0	667485.6	-1.53E-05	2.41E-05	6.78E-05	2.25E-05	0	4.16E-06	3.08E-06	2.44E-05	2.21E-05	0
32	1030	6624.875	1	3313	0	667485.6	-3.72E-05	5.10E-05	0.000149	4.54E-05	0	0	0	0	0	0
32	1030	1124.938	2	15735	0	667485.6	-6.29E-06	0.00001	2.71E-05	8.81E-06	0	1.60E-06	1.20E-06	9.39E-06	8.64E-06	0
32	1030	4124.875	1	42908	0	667485.6	-2.41E-05	3.40E-05	9.49E-05	2.84E-05	0	0	0	0	0	0
32	1030	8874.875	1	10409	0	667485.6	-4.83E-05	6.46E-05	0.000197	6.06E-05	0	0	0	0	0	0
32	1030	3624.875	1	70459	0	667485.6	-2.1E-05	3.04E-05	8.39E-05	2.50E-05	0	0	0	0	0	0
32	1030	3874.875	1	61091	0	667485.6	-2.28E-05	3.22E-05	8.94E-05	2.67E-05	0	0	0	0	0	0
32	1030	9624.875	1	3474	0	667485.6	-5.19E-05	6.89E-05	0.000213	6.57E-05	0	0	0	0	0	0
32	1030	2874.875	1	193561	0	667485.6	-1.72E-05	2.46E-05	6.71E-05	1.98E-05	0	0	0	0	0	0
32	1030	9374.875	1	17358	0	667485.6	-5.07E-05	6.75E-05	0.000208	6.40E-05	0	0	0	0	0	0
32	1030	3374.875	1	82275	0	667485.6	-2.00E-05	2.85E-05	7.83E-05	2.33E-05	0	0	0	0	0	0
32	1030	1374.938	2	35054	0	667485.6	-7.63E-06	1.21E-05	3.31E-05	1.08E-05	0	1.97E-06	1.46E-06	1.15E-05	1.06E-05	0
32	1030	374.9375	2	15668	0	667485.6	-2.14E-06	3.42E-06	9.11E-06	2.94E-06	0	5.25E-07	3.97E-07	3.09E-06	2.88E-06	0
32	1030	874.9375	2	21954	0	667485.6	-4.93E-06	7.85E-06	2.12E-05	6.85E-06	0	1.24E-06	9.29E-07	7.28E-06	6.72E-06	0
32	1030	7374.875	1	3474	0	667485.6	-4.09E-05	5.57E-05	0.000165	5.05E-05	0	0	0	0	0	0
32	1030	7624.875	1	3474	0	667485.6	-4.22E-05	5.72E-05	0.000171	5.22E-05	0	0	0	0	0	0
32	1030	7874.875	1	10409	0	667485.6	-4.34E-05	5.87E-05	0.000178	5.39E-05	0	0	0	0	0	0
32	1030	8624.875	1	10409	0	667485.6	-4.71E-05	6.32E-05	0.000192	5.89E-05	0	0	0	0	0	0
32	1030	9124.875	1	17358	0	667485.6	-4.95E-05	6.61E-05	0.000203	6.23E-05	0	0	0	0	0	0
32	1030	4624.875	1	30227	0	667485.6	-2.68E-05	3.76E-05	0.000106	3.18E-05	0	0	0	0	0	0
32	1030	6374.938	2	2176	0	667485.6	-3.16E-05	4.82E-05	0.000146	4.96E-05	0	9.24E-06	6.91E-06	5.51E-05	4.88E-05	0
32	1030	1974.938	2	84451	0	667485.6	-1.03E-05	1.62E-05	4.48E-05	1.47E-05	0	2.70E-06	2.00E-06	1.58E-05	1.44E-05	0
32	1030	5374.938	2	7475	0	667485.6	-2.71E-05	4.18E-05	0.000124	4.18E-05	0	7.80E-06	5.80E-06	4.62E-05	4.12E-05	0
32	1030	6624.938	2	824	0	667485.6	-3.27E-05	4.98E-05	0.000151	5.15E-05	0	9.60E-06	7.19E-06	5.73E-05	5.08E-05	0
32	1030	1624.938	2	80869	0	667485.6	-8.95E-06	1.42E-05	3.89E-05	1.27E-05	0	2.33E-06	1.73E-06	1.36E-05	1.25E-05	0
32	1030	4374.875	1	23333	0	667485.6	-2.55E-05	3.58E-05	0.0001	3.01E-05	0	0	0	0	0	0
32	1030	5374.875	1	6259	0	667485.6	-3.07E-05	4.28E-05	0.000122	3.69E-05	0	0	0	0	0	0
32	1030	2624.875	1	245784	0	667485.6	-1.58E-05	2.27E-05	6.14E-05	1.81E-05	0	0	0	0	0	0
32	1030	4874.875	1	37839	0	667485.6	-2.81E-05	3.93E-05	0.000111	3.35E-05	0	0	0	0	0	0
32	1030	5624.875	1	15884	0	667485.6	-3.20E-05	4.45E-05	0.000128	3.86E-05	0	0	0	0	0	0
32	1030	6374.875	1	4386	0	667485.6	-3.6E-05	4.94E-05	0.000144	4.37E-05	0	0	0	0	0	0
32	1030	6624.875	1	3333	0	667485.6	-3.72E-05	5.10E-05	0.000149	4.54E-05	0	0	0	0	0	0
32	1030	6124.875	1	3217	0	667485.6	-3.46E-05	4.78E-05	0.000139	4.20E-05	0	0	0	0	0	0
32	1030	3124.875	1	195738	0	667485.6	-1.86E-05	2.66E-05	7.27E-05	2.16E-05	0	0	0	0	0	0
32	1030	2374.875	1	276053	0	667485.6	-1.4E-05	2.07E-05	5.58E-05	1.64E-05	0	0	0	0	0	0
32	1030	5124.875	1	36771	0	667485.6	-2.94E-05	4.11E-05	0.000117	3.52E-05	0	0	0	0	0	0
32	1030	4374.938	2	37014	0	667485.6	-2.25E-05	3.50E-05	0.000102	3.41E-05	0	6.35E-06	4.71E-06	3.75E-05	3.35E-05	0
32	1030	374.875	1	61483	0	667485.6	-2.39E-06	3.49E-06	9.02E-06	2.60E-06	0	0	0	0	0	0
32	1030	1874.875	1	284759	0	667485.6	-1.15E-05	1.68E-05	4.43E-05	1.30E-05	0	0	0	0	0	0
32	1030	1374.875	1	252638	0	667485.6	-8.54E-06	1.24E-05	3.27E-05	9.51E-06	0	0	0	0	0	0
32	1030	2124.938	2	67566	0	667485.6	-1.15E-05	1.83E-05	5.06E-05	1.66E-05	0	3.06E-06	2.27E-06	1.79E-05	1.63E-05	0
32	1030	874.875	1	42759	0	667485.6	-5.51E-06	8.01E-06	2.10E-05	6.06E-06						

STATE	SECTION	W_LOAD	AXLE TPE	COUNT_R	COUNT_D	E2_Psi	EL_1	Ec_2	Ec_3	Ec_4	Ec_5	EL_1 BET	C_2 BE	C_3 BE	C_4 BE	C_5 BE
32	1030	3124.938	2	46896	0	667485.6	-1.65E-05	2.60E-05	7.35E-05	2.44E-05	0	4.53E-06	3.35E-06	2.66E-05	2.40E-05	0
32	1030	6124.938	2	1108	0	667485.6	-3.1E-05	4.66E-05	0.00014	4.78E-05	0	8.89E-06	6.63E-06	5.28E-05	4.69E-05	0
32	1030	3874.958	3	770	0	667485.6	-1.76E-05	3.08E-05	9.14E-05	3.38E-05	0	6.74E-06	3.65E-06	3.23E-05	2.98E-05	0
32	1030	1124.875	1	88750	0	667485.6	-7.04E-05	1.02E-05	2.69E-05	7.78E-06	0	0	0	0	0	0
32	1030	2874.938	2	48329	0	667485.6	-1.53E-05	2.41E-05	6.78E-05	2.25E-05	0	4.16E-06	3.08E-06	2.44E-05	2.21E-05	0
32	1030	3624.958	3	1149	0	667485.6	-1.65E-05	0.00029	8.57E-05	3.16E-05	0	6.30E-06	3.41E-06	3.02E-05	2.79E-05	0
32	1030	9124.938	2	743	0	667485.6	-4.34E-05	6.44E-05	0.000205	7.07E-05	0	1.32E-05	9.99E-06	7.95E-05	6.98E-05	0
32	1030	9374.938	2	743	0	667485.6	-4.4E-05	6.57E-05	0.00021	7.26E-05	0	1.35E-05	1.03E-05	8.17E-05	7.17E-05	0
32	1030	2124.875	1	290237	0	667485.6	-1.30E-05	1.87E-05	5.01E-05	1.47E-05	0	0	0	0	0	0
32	1030	8874.938	2	743	0	667485.6	-4.23E-05	6.30E-05	0.0002	6.88E-05	0	1.29E-05	9.71E-06	7.72E-05	6.79E-05	0
32	1030	8374.875	1	27781	0	667485.6	-4.59E-05	6.17E-05	0.000187	5.73E-05	0	0	0	0	0	0
32	1030	3124.958	3	3406	0	667485.6	-1.45E-05	2.54E-05	7.43E-05	2.72E-05	0	5.43E-06	2.94E-06	2.59E-05	2.40E-05	0
32	1030	1374.958	3	770	0	667485.6	-6.72E-05	1.19E-05	3.34E-05	1.20E-05	0	2.36E-06	1.28E-06	1.12E-05	1.06E-05	0
32	1030	2374.958	3	770	0	667485.6	-1.12E-05	1.98E-05	5.70E-05	2.07E-05	0	4.11E-06	2.23E-06	1.96E-05	1.83E-05	0
32	1030	3874.938	2	42178	0	667485.6	-2.02E-05	3.16E-05	9.04E-05	3.02E-05	0	5.62E-06	4.16E-06	3.31E-05	2.97E-05	0
32	7000	1374.958	3	26024	22343	24706.63	-2.30E-05	7.08E-05	3.81E-05	1.81E-05	0	9.25E-06	1.44E-05	1.35E-05	1.1E-05	0
32	7000	2124.958	3	1548	1329	24706.63	-3.47E-05	0.000108	5.56E-05	2.49E-05	0	1.44E-05	2.22E-05	2.08E-05	2.19E-05	0
32	7000	5374.875	1	38187	32786	24706.63	-9.78E-05	0.000269	0.00014	5.20E-05	0	0	0	0	0	0
32	7000	3874.875	1	216572	185945	24706.63	-7.25E-05	0.000192	0.000102	3.76E-05	0	0	0	0	0	0
32	7000	1874.958	3	11414	9800	24706.63	-3.08E-05	9.55E-05	4.91E-05	2.20E-05	0	1.27E-05	1.96E-05	1.84E-05	1.94E-05	0
32	7000	2624.875	1	747638	841908	24706.63	-5.05E-05	0.000133	6.94E-05	2.55E-05	0	0	0	0	0	0
32	7000	499.9583	3	48755	40143	24706.63	-8.57E-06	2.64E-05	1.32E-05	5.87E-05	0	3.32E-06	5.36E-06	4.88E-06	5.16E-06	0
32	7000	5124.875	1	60365	51828	24706.63	-9.37E-05	0.000248	0.000134	4.96E-05	0	0	0	0	0	0
32	7000	2124.958	3	3768	3235	24706.63	-3.47E-05	0.000108	5.55E-05	2.49E-05	0	1.44E-05	2.22E-05	2.08E-05	2.19E-05	0
32	7000	2374.958	3	3646	3130	24706.63	-3.85E-05	0.00012	6.20E-05	2.78E-05	0	1.61E-05	2.49E-05	2.33E-05	2.45E-05	0
32	7000	1624.958	3	14060	12072	24706.63	-2.69E-05	8.32E-05	4.26E-05	1.91E-05	0	1.10E-05	1.70E-05	1.59E-05	1.68E-05	0
32	7000	3874.938	2	645832	554500	24706.63	-6.6E-05	0.000191	0.000101	4.15E-05	0	2.47E-05	4.19E-05	3.93E-05	4.01E-05	0
32	7000	3374.875	1	370689	318267	24706.63	-6.38E-05	0.000169	8.89E-05	3.28E-05	0	0	0	0	0	0
32	7000	5124.875	1	41548	35872	24706.63	-9.37E-05	0.000248	0.000134	4.96E-05	0	0	0	0	0	0
32	7000	3124.958	3	1878	1812	24706.63	-4.96E-05	0.000165	8.13E-05	3.66E-05	0	2.13E-05	3.28E-05	3.07E-05	3.22E-05	0
32	7000	4124.938	2	454440	390175	24706.63	-7E-05	0.000202	0.000108	4.41E-05	0	2.63E-05	4.47E-05	4.18E-05	4.27E-05	0
32	7000	4874.875	1	128339	110190	24706.63	-8.95E-05	0.000237	0.000128	4.72E-05	0	0	0	0	0	0
32	7000	4124.875	1	340836	292636	24706.63	-7.68E-05	0.000233	0.000108	4.00E-05	0	0	0	0	0	0
32	7000	4374.875	1	296617	254670	24706.63	-8.11E-05	0.000214	0.000115	4.24E-05	0	0	0	0	0	0
32	7000	4624.875	1	246203	211386	24706.63	-8.53E-05	0.000226	0.000121	4.48E-05	0	0	0	0	0	0
32	7000	1124.958	3	32158	27610	24706.63	-1.89E-05	5.82E-05	2.95E-05	1.32E-05	0	7.55E-06	1.17E-05	0.000011	1.16E-05	0
32	7000	2124.938	2	258740	222150	24706.63	-3.80E-05	0.000108	5.59E-05	2.28E-05	0	1.35E-05	2.29E-05	2.15E-05	2.20E-05	0
32	7000	2624.938	2	243142	208757	24706.63	-4.63E-05	0.000132	6.89E-05	2.81E-05	0	1.87E-05	2.83E-05	2.65E-05	2.72E-05	0
32	7000	5824.875	1	6048	5193	24706.63	-0.0001	0.000269	0.000147	5.44E-05	0	0	0	0	0	0
32	7000	874.9375	2	60072	51577	24706.63	-1.6E-05	4.59E-05	2.32E-05	9.40E-06	0	5.46E-06	9.74E-06	8.81E-06	9.07E-06	0
32	7000	2874.958	3	982	843	24706.63	-4.59E-05	0.000143	7.49E-05	3.37E-05	0	1.96E-05	3.02E-05	2.82E-05	2.97E-05	0
32	7000	5824.938	2	2824	2253	24706.63	-9.30E-05	0.000288	0.000146	6.00E-05	0	3.59E-05	6.12E-05	5.72E-05	5.82E-05	0
32	7000	1124.938	2	100556	86335	24706.63	-2.07E-05	5.86E-05	2.97E-05	1.21E-05	0	7.05E-06	1.21E-05	1.13E-05	1.17E-05	0
32	7000	4374.875	1	186445	160079	24706.63	-8.11E-05	0.000214	0.000115	4.24E-05	0	0	0	0	0	0
32	7000	5624.875	1	7189	6172	24706.63	-0.0001	0.000269	0.000147	5.44E-05	0	0	0	0	0	0
32	7000	5374.938	2	4366	3748	24706.63	-8.93E-05	0.000257	0.00014	5.74E-05	0	3.43E-05	5.84E-05	5.46E-05	5.56E-05	0
32	7000	1124.958	3	22974	19725	24706.63	-1.99E-05	5.82E-05	2.95E-05	1.32E-05	0	7.55E-06	1.17E-05	0.000011	1.16E-05	0
32	7000	1874.958	3	6555	5628	24706.63	-3.08E-05	9.55E-05	4.91E-05	2.20E-05	0	1.27E-05	1.96E-05	1.84E-05	1.94E-05	0
32	7000	2374.958	3	3943	3385	24706.63	-3.85E-05	0.00012	6.20E-05	2.78E-05	0	1.61E-05	2.49E-05	2.33E-05	2.45E-05	0
32	7000	2374.875	1	1031665	885770	24706.63	-4.59E-05	0.000111	6.29E-05	2.31E-05	0	0	0	0	0	0
32	7000	3624.958	3	982	843	24706.63	-5.68E-05	0.000178	9.42E-05	4.24E-05	0	2.47E-05	3.81E-05	3.56E-05	3.74E-05	0
32	7000	2624.958	3	1965	1687	24706.63	-4.22E-05	0.000132	6.85E-05	3.08E-05	0	1.78E-05	2.75E-05	2.57E-05	2.71E-05	0
32	7000	3624.875	1	199867	171602	24706.63	-6.82E-05	0.00018	9.54E-05	3.52E-05	0	0	0	0	0	0
32	7000	1624.958	3	9515	8170	24706.63	-2.69E-05	8.32E-05	4.26E-05	1.91E-05	0	1.10E-05	1.70E-05	1.59E-05	1.68E-05	0
32	7000	499.9583	3	20001	17173	24706.63	-8.57E-06	2.64E-05	1.32E-05	5.87E-06	0	3.32E-06	5.36E-06	4.88E-06	5.16E-06	0
32	7000	3374.938	2	361572	310439	24706.63	-5.9E-05	0.000168	8.83E-05	3.61E-05	0	2.15E-05	3.65E-05	3.42E-05	3.49E-05	0
32	7000	3124.875	1	261165	224232	24706.63	-5.94E-05	0.000157	8.24E-05	3.03E-05	0	0	0	0	0	0
32	7000	4374.958	3	982	843	24706.63	-6.73E-05	0.000212	0.000113	5.12E-05	0	2.99E-05	4.61E-05	4.31E-05	4.51E-05	0
32	7000	1874.938	2	227277	195136	24706.63	-3.38E-05	9.60E-05	4.94E-05	2.01E-05	0	1.18E-05	2.02E-05	1.89E-05	1.94E-05	0
32	7000	4874.938	2	13024	11182	24706.63	-8.18E-05	0.000235	0.000127	5.21E-05	0	3.11E-05	5.29E-05	4.95E-05	5.04E-05	0
32	7000	2624.958	3	7304	6271	24706.63	-4.22E-05	0.000132	6.85E-05	3.08E-05	0	1.78E-05	2.75E-05	2.57E-05	2.71E-05	0
32	7000	4124.958	3	3646	3130	24706.63	-6.38E-05	0.000201	0.000107	4.83E-05	0	2.82E-05	4.34E-05	4.06E-05	4.26E-05	0
32	7000	4124.938	2	447310	384053	24706.63	-7E-05	0.000202	0.000108	4.41E-05	0	2.63E-05	4.47E-05	4.18E-05	4.27E-05	0
32	7000	5374.938	2	682	586	24706.63	-8.93E-05	0.000257	0.00014	5.74E-05	0	3.43E-05	5.84E-05	5.46E-05	5.56E-05	0
32	7000	5124.938	2	8570	7444	24706.63	-8.55E-05	0.000246	0.000133	5.47E-05	0	3.27E-05	5.57E-05	5.21E-05	5.30E-05	0
32	7000	4624.938	2	67340	57817	24706.63	-7.80E-05	0.000224	0.00012	4.94E-05	0	2.95E-05	5.02E-05	4.70E-05	4.79E-05	0
32	7000	3874.958	3	7304	6271	24706.63	-6.03E-05	0.000189	0.000101	4.53E-05	0	2.64E-05	4.08E-05	3.81E-05	4.00E-05	0
32	7000	6874.875	1	1402	1204	24706.63	-0.00012	0.000322	0.000178	6.63E-05	0	0	0	0	0	0
32	7000	6624.875	1	154												

APPENDIX E - SUMMARY OF DAMAGE RATIO VALUES

This appendix contains the following two tables:

1 – Summary of damage ratios for GPS-1 sections

The variable definitions in the table are as follows:

STATE	State code used in the LTPP.
SECTION	Section code used in the LTPP.
S(n/Nf)_R	The sum of the fatigue damage ratios over all loading groups.
S(n/Nd)_R	The sum of the permanent deformation damage ratios over all loading groups.

2 – Summary of damage ratios for GPS-2 sections

The variable definitions in the table are as follows:

STATE	State code used in the LTPP.
SECTION	Section code used in the LTPP.
Df(R)	The sum of the fatigue damage ratios over all loading groups.
Dp(R)	The sum of the permanent deformation damage ratios over all loading groups.

Summary of Damage Ratios for GPS-1 Sections

STATE	SECTION	S(n/Nf)_R	S(n/Nd)_R
1	1019	0.43631	0.01034
1	4126	0.03983	0.00009
8	1029	0.66774	0.03258
8	1047	0.43443	0.00966
8	1057	0.63782	0.04591
9	1803	0.02761	0.00008
12	1030	0.3252	0.00018
12	3996	1.31873	0.00193
12	3997	17.81433	0.00925
12	4099	0.92667	0.0007
12	4106	0.11321	0.00038
17	1002	0.00163	0.00044
17	1003	0.00475	0.00052
18	1028	0.06075	0.02065
20	1005	0.00227	0.00163
20	1010	0.00141	0.00047
21	1010	0.0532	0.00344
21	1034	0.01523	0.00693
25	1002	0.0893	0.00153
25	1003	0.04755	0.00151
25	1004	0.04668	0.00004
26	1004	0.08635	0.02817
26	1012	0.31687	0.00514
26	1013	0.1427	0.00035
27	1016	0.86999	0.15058
27	1019	0.62678	0.19822
27	1023	0.01684	0.00028
27	1028	0.01461	0.00209
27	1029	0.07167	0.04288
27	1085	0.01174	0.02482
27	1087	0.00079	0.00027
27	6251	0.07352	0.00172
29	1002	0.00694	0.00196
29	1008	0.00857	0.00037
29	1010	0.10652	0.00074
31	1030	0.07828	0.06548
32	1021	0.00899	0.00234
33	1001	0.03187	0
34	1003	0.45784	0.00003
34	1011	0.18632	0.00004

STATE	SECTION	S(n/Nf)_R	S(n/Nd)_R
34	1030	1.12724	0.0002
34	1031	1.59886	0.08182
42	1597	0.01386	0.00001
42	1599	0.00427	0
42	1605	0.52003	0.00032
47	3075	0.14931	0.24903
50	1002	0.00964	0.00003
50	1004	0.01135	0
51	1002	0.42644	0.13676
51	1023	0.12744	0.00338
51	1464	0.22663	0.01057
53	1006	0.95217	0.19465
53	1008	2.04344	0.07894
53	1801	0.02677	0.00089
83	1801	1.70771	0.02702
83	6450	6.7351	0.48663
83	6451	7.20976	0.81434
85	1801	0	0
87	1620	0.97629	0.04989
87	1622	0.46126	0.00099
88	1645	0.07785	0.00072
89	1127	0.09779	0.00026

Summary of Damage Ratios for GPS-2 Sections

STATE	SECTION	Df (R)	Dp (R)
1	1021	0.05841	0.00009
1	4073	0.02378	0.00003
5	3058	0.00705	0.0027
5	3071	0.00676	0.00223
8	7781	0.08886	0.24532
12	4096	0.00531	0.00009
12	4097	0.00759	0.00002
12	4100	0.0097	0.00031
12	4108	0.00855	0.00038
28	3082	0	0
32	1030	0.00548	0.00556
32	7000	0.5489	0.01792
34	1033	0.04072	0.00004
34	1034	0.04356	0.0199
36	1008	0.03561	0.00025
36	1644	0.00907	0.00047
40	4163	0.00277	0.0008
40	4165	0.00299	0.00085
47	1028	0.00526	0.00262
47	3108	0.01824	0.00335
47	3109	0.01178	0.00489
47	3110	0.01362	0.00519
47	9024	0.00057	0.00009
47	9025	0.07547	0.004
50	1681	1.15791	0.00033
50	1683	2.66745	0.00316
51	1423	0.71303	0.05424
51	2021	0.0012	0.01519
88	1647	0.01475	0.00007
89	2011	0.01991	0

