

CHESTERFIELD TOWNSHIP, NJ.

FEBRUARY 16, 2012

FATAL SCHOOL BUS TRUCK INTERSECTION ACCIDENT

HWY-12-MH007

HIGHWAY ATTACHMENT 6

ACCELERATION TESTING RAW DATA

(32 PAGES)

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 12:50 PM Run No.: 1
Length: 0.06 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

Part: 1M2AX076C0BM009787
Part: I-AN634D

AVERAGES:

-0.053

-0.05

-0.00

0.0

0.0

-0.001

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 12:58 PM Run No.: 2
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

12AX07C0RM009787
I-AN634D

AVERAGES:

0.000 0.00 0.00 0.0 0.0 0.000

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:00 PM Run No.: 3
Length: 0.01 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.13 Sec

NOTES

1: 1M2AX07BM009787
1-AN634D

AVERAGES:

-0.082

-0.00

0.00

0.006

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 MAck Location: Date: 2/21/2012 01:04 PM Run No.: 4
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.000</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:05 PM Run No.: 5
Length: 0.00 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.07 Sec

NOTES

Tag: 1M2AX07C0BM009787
Plate: AN634D

AVERAGES:

-0.045

0.00

0.00

-0.035

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:10 PM Run No.: 6
Length: 0.04 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM00978
I-AN634D

AVERAGES:

<u>-0.012</u>	<u>-0.01</u>	<u>-0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.156</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:10 PM Run No.: 6
Length: 0.04 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM00978
I-AN634D

AVERAGES:

<u>-0.012</u>	<u>-0.01</u>	<u>-0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.156</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:12 PM Run No.: 7
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.000</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:15 PM Run No.: 8
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.000</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:16 PM Run No.: 9
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.000</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:19 PM Run No.: 10
 Length: 6.09 Sec
 Scale Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.12 Sec

NOTES

N: 1M2AX07C0BM009787
 I-AN634D

AVERAGES:

-0.363 **24.43** **147.55** **-0.007**

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
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0.10	-0.160	48.12	7.09	-0.071
0.20	-0.244	47.71	14.12	-0.038
0.30	-0.266	47.17	21.07	-0.099
0.40	-0.437	46.43	27.94	-0.039
0.50	-0.343	45.57	34.68	-0.050
0.60	-0.312	44.86	41.32	0.030
0.70	-0.361	44.08	47.84	0.028
0.80	-0.341	43.36	54.25	0.093
0.90	-0.379	42.63	60.56	0.017
1.00	-0.301	41.87	66.75	0.039
1.10	-0.403	41.09	72.84	-0.126
1.20	-0.300	40.45	78.82	0.053
1.30	-0.402	39.58	84.69	-0.060
1.40	-0.449	38.81	90.44	0.104
1.50	-0.352	37.89	96.06	-0.037
1.60	-0.371	37.10	101.56	-0.009
1.70	-0.379	36.19	106.93	0.017
1.80	-0.368	35.27	112.18	-0.066
1.90	-0.413	34.46	117.29	0.020
2.00	-0.396	33.58	122.28	0.067
2.10	-0.433	32.68	127.14	-0.049
2.20	-0.386	31.79	131.87	0.052
2.30	-0.381	30.89	136.46	0.058
2.40	-0.366	30.10	140.93	0.006
2.50	-0.406	29.15	145.28	0.029
2.60	-0.389	28.29	149.49	0.024
2.70	-0.372	27.46	153.58	0.006
2.80	-0.362	26.65	157.55	-0.026
2.90	-0.399	25.78	161.40	0.066
3.00	-0.366	24.93	165.11	-0.007
3.10	-0.401	24.06	168.71	-0.007
3.20	-0.359	23.22	172.17	-0.016
3.30	-0.450	22.38	175.52	-0.078

PROFILE© for WINDOWS

Printed 2/21/2012

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
3.40	-0.383	21.51	178.74	-0.028
3.50	-0.390	20.60	181.82	-0.054
3.60	-0.366	19.81	184.79	-0.013
3.70	-0.414	18.97	187.63	-0.085
3.80	-0.385	18.07	190.35	0.013
3.90	-0.436	17.16	192.93	0.013
4.00	-0.332	16.35	195.39	-0.014
4.10	-0.379	15.56	197.73	0.018
4.20	-0.424	14.60	199.94	-0.082
4.30	-0.385	13.72	202.01	-0.007
4.40	-0.346	12.90	203.96	-0.024
4.50	-0.386	12.13	205.80	0.000
4.60	-0.388	11.16	207.51	-0.008
4.70	-0.392	10.29	209.08	-0.015
4.80	-0.357	9.50	210.53	-0.028
4.90	-0.402	8.66	211.87	-0.001
5.00	-0.419	7.72	213.07	0.015
5.10	-0.377	6.86	214.13	-0.026
5.20	-0.378	6.02	215.08	0.007
5.30	-0.413	5.16	215.90	-0.044
5.40	-0.400	4.27	216.59	-0.008
5.50	-0.340	3.46	217.16	-0.014
5.60	-0.309	2.76	217.61	0.015
5.70	-0.291	2.10	217.97	0.002
5.80	-0.266	1.49	218.23	-0.010
5.90	-0.233	0.95	218.41	-0.015
6.00	-0.224	0.45	218.51	-0.015

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:26 PM Run No.: 11
Length: 0.00 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.07 Sec

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

-0.083

0.00

0.00

0.148

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Mack Location: CR528 Date: 2/21/2012 01:32 PM Run No.: 12
Length: 0.14 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.07 Sec

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

-0.021 0.00 0.00 -0.014

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
0.10	0.005	-0.01	0.00	-0.043

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 MACK Location: CR 528 Date: 2/21/2012 01:39 PM Run No.: 13
Length: 0.14 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.07 Sec

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

-0.028 -0.02 -0.00 0.070

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
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0.10	0.034	-0.03	-0.00	0.007
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 MACK Location: CR 528 Date: 2/21/2012 01:47 PM Run No.: 14
Length: 0.02 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.07 Sec

NOTES

N: 1M2AX07C0BM009787
I-AN634D

AVERAGES:

-0.184

0.02

0.00

-0.012

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2012 INTERNATIONAL Location: CR 660 Date: 2/21/2012 01:54 PM Run No.: 15
Length: 0.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 4DRBUAAP0CB395235
I-719S1

AVERAGES:

<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0</u>	<u>0.0</u>	<u>0.000</u>
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PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2012 INTERNATIONAL Location: CR 660 Date: 2/21/2012 02:06 PM Run No.: 16
 Length: 6.00 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
 Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
 Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
 Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N:4DRBUAAP0CB395235
 I-A719S1

AVERAGES:

0.100 7.29 22.60 1.8 1.8 -0.006

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
0.10	0.125	0.26	0.02	0.1	0.1	0.008
0.20	0.130	0.54	0.08	0.2	0.2	-0.000
0.30	0.137	0.83	0.18	0.3	0.3	-0.003
0.40	0.138	1.14	0.32	0.4	0.4	-0.003
0.50	0.136	1.44	0.51	0.5	0.5	-0.004
0.60	0.133	1.73	0.74	0.6	0.6	-0.001
0.70	0.131	2.02	1.02	0.7	0.7	0.002
0.80	0.129	2.31	1.33	0.8	0.8	0.008
0.90	0.129	2.59	1.69	0.9	0.9	0.010
1.00	0.125	2.86	2.09	1.0	1.0	0.006
1.10	0.124	3.14	2.53	1.0	1.0	-0.005
1.20	0.121	3.41	3.01	1.1	1.1	-0.007
1.30	0.119	3.67	3.53	1.1	1.1	-0.010
1.40	0.111	3.92	4.09	1.2	1.2	-0.005
1.50	0.109	4.16	4.68	1.2	1.2	-0.011
1.60	0.121	4.41	5.31	1.4	1.4	-0.010
1.70	0.130	4.69	5.98	1.6	1.6	0.026
1.80	0.130	4.97	6.68	1.7	1.7	0.016
1.90	0.124	5.24	7.43	1.7	1.7	0.002
2.00	0.105	5.49	8.22	1.6	1.6	-0.009
2.10	0.108	5.72	9.04	1.7	1.7	-0.022
2.20	0.139	5.99	9.90	2.1	2.1	-0.012
2.30	0.129	6.30	10.80	2.0	2.0	0.008
2.40	0.083	6.52	11.74	1.6	1.6	0.012
2.50	0.103	6.72	12.71	1.7	1.7	0.034
2.60	0.096	6.95	13.72	1.7	1.7	-0.005
2.70	0.079	7.13	14.75	1.7	1.7	-0.023
2.80	0.113	7.34	15.81	2.0	2.0	-0.020
2.90	0.090	7.57	16.90	1.8	1.8	-0.008
3.00	0.070	7.74	18.03	1.6	1.6	0.022
3.10	0.083	7.91	19.17	1.7	1.7	0.017

PROFILE© for WINDOWS

Printed 2/21/2012

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
3.20	0.075	8.09	20.35	1.7	1.7	-0.004
3.30	0.074	8.25	21.54	1.6	1.6	-0.019
3.40	0.074	8.41	22.77	1.5	1.5	-0.023
3.50	0.027	8.53	24.01	1.2	1.2	-0.005
3.60	0.059	8.64	25.27	1.5	1.5	0.013
3.70	0.098	8.82	26.55	2.2	2.2	0.021
3.80	0.104	9.05	27.86	2.4	2.4	0.011
3.90	0.084	9.26	29.20	2.3	2.3	-0.031
4.00	0.108	9.46	30.57	2.5	2.5	-0.038
4.10	0.100	9.70	31.98	2.6	2.6	-0.017
4.20	0.086	9.90	33.42	2.4	2.4	0.007
4.30	0.093	10.09	34.88	2.4	2.4	0.020
4.40	0.080	10.29	36.38	2.4	2.4	-0.010
4.50	0.086	10.47	37.90	2.6	2.6	-0.021
4.60	0.116	10.70	39.45	3.0	3.0	-0.019
4.70	0.089	10.93	41.04	2.6	2.6	-0.049
4.80	0.072	11.09	42.65	2.3	2.3	0.020
4.90	0.085	11.27	44.29	2.5	2.5	0.063
5.00	0.092	11.46	45.96	2.7	2.7	0.012
5.10	0.093	11.66	47.66	2.8	2.8	-0.040
5.20	0.091	11.85	49.38	2.8	2.8	-0.030
5.30	0.076	12.05	51.13	2.3	2.3	-0.066
5.40	0.056	12.16	52.91	1.9	1.9	-0.042
5.50	0.087	12.31	54.70	2.7	2.7	0.002
5.60	0.101	12.53	56.52	3.0	3.0	0.010
5.70	0.054	12.69	58.37	2.3	2.3	-0.017
5.80	0.077	12.83	60.24	2.5	2.5	-0.028
5.90	0.078	13.02	62.14	2.5	2.5	-0.056
6.00	0.046	13.15	64.06	1.6	1.6	-0.053

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2012 INTERNATIONAL Location: CR 660 Date: 2/21/2012 02:12 PM Run No.: 17
Length: 18.36 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N:4DRBUAAP0CB395235
I-A719S1

AVERAGES:

0.015 8.07 116.94 0.1 0.1 0.017

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
0.10	0.123	0.25	0.02	0.1	0.1	-0.003
0.20	0.141	0.54	0.08	0.2	0.2	0.004
0.30	0.164	0.88	0.18	0.4	0.4	0.004
0.40	0.181	1.27	0.34	0.6	0.6	0.008
0.50	0.182	1.67	0.55	0.8	0.8	0.002
0.60	0.177	2.06	0.82	1.0	1.0	-0.002
0.70	0.182	2.45	1.16	1.2	1.2	-0.004
0.80	0.172	2.84	1.54	1.3	1.3	-0.002
0.90	0.153	3.20	1.99	1.3	1.3	0.003
1.00	0.151	3.53	2.48	1.4	1.4	0.010
1.10	0.140	3.84	3.02	1.5	1.5	0.005
1.20	0.143	4.16	3.61	1.6	1.6	0.008
1.30	0.142	4.47	4.24	1.7	1.7	-0.008
1.40	0.129	4.77	4.92	1.7	1.7	-0.014
1.50	0.136	5.06	5.64	1.8	1.8	-0.019
1.60	0.145	5.37	6.40	2.1	2.1	-0.004
1.70	0.145	5.69	7.21	2.2	2.2	0.029
1.80	0.134	5.99	8.07	2.2	2.2	0.014
1.90	0.134	6.29	8.97	2.2	2.2	0.004
2.00	0.124	6.56	9.91	2.1	2.1	-0.012
2.10	0.132	6.83	10.89	2.5	2.5	-0.027
2.20	0.148	7.16	11.92	2.6	2.6	-0.005
2.30	0.101	7.42	12.99	2.1	2.1	0.012
2.40	0.104	7.62	14.09	2.1	2.1	0.042
2.50	0.112	7.87	15.23	2.2	2.2	0.007
2.60	0.083	8.08	16.40	2.0	2.0	-0.011
2.70	0.110	8.28	17.60	2.1	2.1	-0.014
2.80	0.077	8.49	18.83	1.8	1.8	-0.005
2.90	0.038	8.62	20.08	1.3	1.3	0.010
3.00	0.071	8.74	21.36	1.6	1.6	0.005
3.10	0.076	8.92	22.65	1.7	1.7	-0.001

PROFILE© for WINDOWS

Printed 2/21/2012

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
3.20	0.078	9.06	23.97	1.8	1.8	-0.011
3.30	0.104	9.26	25.31	2.4	2.4	-0.001
3.40	0.071	9.47	26.69	2.1	2.1	-0.002
3.50	0.081	9.62	28.08	2.3	2.3	0.006
3.60	0.129	9.86	29.51	2.9	2.9	0.024
3.70	0.084	10.10	30.98	2.6	2.6	-0.025
3.80	0.094	10.28	32.47	2.7	2.7	-0.041
3.90	0.125	10.54	34.00	3.1	3.1	-0.006
4.00	0.068	10.75	35.56	2.3	2.3	-0.010
4.10	0.080	10.90	37.15	2.3	2.3	-0.002
4.20	0.092	11.10	38.76	2.6	2.6	-0.017
4.30	0.068	11.28	40.40	2.3	2.3	-0.024
4.40	0.085	11.44	42.07	2.4	2.4	-0.052
4.50	0.069	11.62	43.76	2.2	2.2	-0.023
4.60	0.048	11.75	45.48	1.7	1.7	0.015
4.70	0.074	11.87	47.21	2.2	2.2	0.041
4.80	0.078	12.06	48.96	2.4	2.4	-0.025
4.90	0.055	12.20	50.74	2.2	2.2	-0.025
5.00	0.087	12.36	52.54	2.2	2.2	-0.048
5.10	0.030	12.48	54.36	1.6	1.6	-0.074
5.20	0.055	12.57	56.20	1.9	1.9	-0.009
5.30	0.092	12.75	58.06	2.9	2.9	0.006
5.40	0.072	12.94	59.94	2.4	2.4	-0.001
5.50	0.055	13.05	61.85	2.3	2.3	-0.024
5.60	0.094	13.23	63.77	2.8	2.8	-0.025
5.70	0.054	13.39	65.73	2.1	2.1	-0.056
5.80	0.052	13.49	67.70	2.1	2.1	-0.031
5.90	0.079	13.65	69.69	2.5	2.5	-0.031
6.00	0.046	13.79	71.70	2.0	2.0	0.012
6.10	0.058	13.89	73.73	2.3	2.3	0.044
6.20	0.095	14.07	75.78	3.1	3.1	-0.024
6.30	0.071	14.25	77.85	3.2	3.2	-0.068
6.40	0.101	14.43	79.96	3.7	3.7	-0.007
6.50	0.102	14.67	82.09	3.7	3.7	-0.000
6.60	0.064	14.84	84.26	2.6	2.6	0.037
6.70	0.052	14.95	86.44	2.4	2.4	0.035
6.80	0.091	15.11	88.64	3.0	3.0	-0.006
6.90	0.038	15.27	90.87	1.8	1.8	-0.055
7.00	-0.013	15.30	93.12	0.1	0.1	-0.014
7.10	-0.012	15.27	95.36	-0.7	-0.7	0.047
7.20	-0.020	15.22	97.59	-1.2	-1.2	0.064
7.30	-0.039	15.14	99.82	-1.5	-1.5	0.066
7.40	-0.047	15.05	102.04	-1.7	-1.7	-0.002
7.50	-0.051	14.95	104.24	-2.1	-2.1	-0.013
7.60	-0.071	14.82	106.42	-2.8	-2.8	0.033
7.70	-0.093	14.63	108.58	-3.7	-3.7	0.018
7.80	-0.109	14.40	110.71	-4.2	-4.2	-0.002

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Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
7.90	-0.094	14.16	112.81	-4.0	-4.0	-0.009
8.00	-0.102	13.94	114.87	-4.0	-4.0	-0.025
8.10	-0.128	13.68	116.89	-4.3	-4.3	0.026
8.20	-0.098	13.43	118.88	-3.7	-3.7	0.089
8.30	-0.106	13.22	120.83	-3.8	-3.8	0.047
8.40	-0.128	12.95	122.75	-4.1	-4.1	0.039
8.50	-0.091	12.70	124.63	-3.6	-3.6	0.015
8.60	-0.112	12.48	126.48	-3.6	-3.6	0.004
8.70	-0.122	12.22	128.29	-3.6	-3.6	0.019
8.80	-0.074	12.01	130.07	-2.6	-2.6	0.029
8.90	-0.083	11.87	131.82	-2.7	-2.7	0.022
9.00	-0.100	11.63	133.54	-3.0	-3.0	0.028
9.10	-0.082	11.44	135.24	-2.6	-2.6	0.071
9.20	-0.101	11.25	136.90	-2.9	-2.9	0.022
9.30	-0.091	11.03	138.53	-2.7	-2.7	0.007
9.40	-0.071	10.86	140.14	-2.3	-2.3	0.005
9.50	-0.102	10.67	141.72	-2.7	-2.7	0.023
9.60	-0.102	10.44	143.27	-2.8	-2.8	0.050
9.70	-0.101	10.22	144.78	-3.0	-3.0	0.053
9.80	-0.145	9.94	146.26	-3.6	-3.6	0.040
9.90	-0.129	9.63	147.70	-3.4	-3.4	0.036
10.00	-0.128	9.36	149.09	-3.3	-3.3	0.020
10.10	-0.159	9.04	150.44	-3.5	-3.5	-0.007
10.20	-0.125	8.72	151.74	-3.1	-3.1	0.037
10.30	-0.126	8.46	153.00	-2.9	-2.9	0.057
10.40	-0.152	8.15	154.22	-3.1	-3.1	0.053
10.50	-0.123	7.85	155.39	-2.7	-2.7	0.062
10.60	-0.135	7.57	156.52	-2.7	-2.7	0.012
10.70	-0.145	7.25	157.61	-2.6	-2.6	0.017
10.80	-0.098	6.99	158.65	-2.0	-2.0	0.017
10.90	-0.100	6.78	159.66	-1.8	-1.8	0.035
11.00	-0.103	6.55	160.64	-1.7	-1.7	0.047
11.10	-0.081	6.35	161.59	-1.4	-1.4	0.050
11.20	-0.090	6.17	162.51	-1.4	-1.4	0.030
11.30	-0.085	5.98	163.40	-1.3	-1.3	0.037
11.40	-0.062	5.82	164.26	-1.0	-1.0	0.028
11.50	-0.075	5.68	165.11	-1.1	-1.1	0.023
11.60	-0.068	5.52	165.93	-1.0	-1.0	0.029
11.70	-0.055	5.38	166.72	-0.9	-0.9	0.038
11.80	-0.072	5.24	167.50	-0.9	-0.9	0.042
11.90	-0.058	5.10	168.26	-0.8	-0.8	0.054
12.00	-0.048	4.99	169.00	-0.7	-0.7	0.032
12.10	-0.061	4.86	169.72	-0.7	-0.7	0.021
12.20	-0.052	4.74	170.43	-0.7	-0.7	0.028
12.30	-0.050	4.63	171.12	-0.6	-0.6	0.026
12.40	-0.058	4.51	171.79	-0.7	-0.7	0.041
12.50	-0.050	4.39	172.44	-0.6	-0.6	0.048

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Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
12.60	-0.055	4.28	173.07	-0.6	-0.6	0.030
12.70	-0.053	4.16	173.69	-0.6	-0.6	0.030
12.80	-0.052	4.05	174.30	-0.6	-0.6	0.030
12.90	-0.052	3.93	174.88	-0.4	-0.4	0.034
13.00	0.027	3.91	175.45	0.2	0.2	0.042
13.10	0.070	4.03	176.03	0.6	0.6	0.039
13.20	0.039	4.15	176.64	0.4	0.4	0.034
13.30	0.012	4.20	177.25	0.2	0.2	0.038
13.40	0.025	4.24	177.87	0.2	0.2	0.030
13.50	0.010	4.28	178.49	0.2	0.2	0.036
13.60	0.016	4.30	179.12	0.3	0.3	0.033
13.70	0.046	4.38	179.76	0.5	0.5	0.032
13.80	0.032	4.47	180.41	0.4	0.4	0.037
13.90	0.005	4.51	181.07	0.1	0.1	0.036
14.00	0.018	4.53	181.73	0.2	0.2	0.029
14.10	0.036	4.59	182.40	0.4	0.4	0.033
14.20	0.031	4.67	183.08	0.4	0.4	0.030
14.30	0.028	4.73	183.77	0.4	0.4	0.036
14.40	0.027	4.79	184.46	0.3	0.3	0.034
14.50	0.020	4.84	185.17	0.3	0.3	0.037
14.60	0.025	4.88	185.88	0.3	0.3	0.031
14.70	0.036	4.95	186.60	0.5	0.5	0.037
14.80	0.029	5.03	187.34	0.4	0.4	0.034
14.90	0.011	5.07	188.08	0.3	0.3	0.043
15.00	0.033	5.12	188.83	0.4	0.4	0.031
15.10	0.036	5.20	189.58	0.5	0.5	0.042
15.20	0.026	5.26	190.35	0.4	0.4	0.037
15.30	0.028	5.33	191.13	0.4	0.4	0.032
15.40	0.027	5.39	191.91	0.4	0.4	0.034
15.50	0.022	5.44	192.71	0.3	0.3	0.035
15.60	0.030	5.50	193.51	0.4	0.4	0.042
15.70	0.032	5.57	194.32	0.5	0.5	0.038
15.80	0.023	5.63	195.14	0.3	0.3	0.030
15.90	0.002	5.65	195.97	0.1	0.1	0.029
16.00	0.012	5.66	196.80	0.2	0.2	0.043
16.10	0.030	5.71	197.63	0.5	0.5	0.039
16.20	0.045	5.80	198.48	0.6	0.6	0.028
16.30	0.041	5.89	199.33	0.6	0.6	0.037
16.40	0.039	5.98	200.20	0.6	0.6	0.034
16.50	0.030	6.06	201.09	0.4	0.4	0.034
16.60	0.002	6.09	201.98	0.1	0.1	0.034
16.70	-0.017	6.07	202.87	-0.3	-0.3	0.033
16.80	-0.030	6.01	203.76	-0.5	-0.5	0.040
16.90	-0.036	5.94	204.64	-0.5	-0.5	0.033
17.00	-0.028	5.87	205.50	-0.5	-0.5	0.034
17.10	-0.024	5.82	206.36	-0.4	-0.4	0.026
17.20	-0.025	5.76	207.21	-0.3	-0.3	0.032

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Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
17.30	-0.016	5.72	208.05	-0.2	-0.2	0.026
17.40	-0.001	5.70	208.89	-0.0	-0.0	0.039
17.50	0.010	5.71	209.72	0.2	0.2	0.036
17.60	0.029	5.75	210.56	0.4	0.4	0.041
17.70	0.038	5.83	211.41	0.5	0.5	0.032
17.80	0.033	5.91	212.27	0.5	0.5	0.036
17.90	0.032	5.98	213.14	0.5	0.5	0.027
18.00	0.029	6.05	214.03	0.5	0.5	0.038
18.10	0.023	6.10	214.92	0.3	0.3	0.039
18.20	0.005	6.13	215.81	0.1	0.1	0.037
18.30	-0.006	6.12	216.71	-0.1	-0.1	0.042

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Printed 2/21/2012

Vehicle: 2012 Internatio Location: CR 660 Date: 2/21/2012 02:14 PM Run No.: 18
Length: 5.71 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N:4DRBUAAP0CB395235
I-A719S1

AVERAGES:

0.105 7.66 23.01 1.8 1.8 -0.010

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
0.10	0.107	0.23	0.02	0.1	0.1	-0.005
0.20	0.128	0.49	0.07	0.2	0.2	-0.004
0.30	0.133	0.78	0.16	0.3	0.3	-0.004
0.40	0.146	1.09	0.30	0.4	0.4	-0.005
0.50	0.157	1.42	0.48	0.6	0.6	0.001
0.60	0.162	1.78	0.72	0.8	0.8	0.003
0.70	0.169	2.14	1.00	1.0	1.0	0.001
0.80	0.172	2.52	1.34	1.1	1.1	0.002
0.90	0.169	2.89	1.74	1.3	1.3	-0.003
1.00	0.158	3.25	2.19	1.4	1.4	-0.003
1.10	0.157	3.60	2.69	1.5	1.5	-0.001
1.20	0.148	3.93	3.25	1.5	1.5	-0.006
1.30	0.138	4.24	3.85	1.6	1.6	-0.019
1.40	0.144	4.55	4.49	1.8	1.8	-0.018
1.50	0.159	4.89	5.18	2.0	2.0	0.004
1.60	0.154	5.24	5.93	2.2	2.2	0.016
1.70	0.150	5.57	6.72	2.2	2.2	0.004
1.80	0.129	5.88	7.56	2.1	2.1	-0.017
1.90	0.120	6.15	8.44	2.1	2.1	-0.021
2.00	0.144	6.43	9.36	2.3	2.3	-0.018
2.10	0.127	6.74	10.33	2.2	2.2	-0.010
2.20	0.083	6.96	11.34	1.8	1.8	0.015
2.30	0.108	7.17	12.37	2.0	2.0	0.023
2.40	0.101	7.42	13.44	2.0	2.0	-0.031
2.50	0.091	7.62	14.54	2.1	2.1	-0.027
2.60	0.122	7.87	15.68	2.3	2.3	-0.011
2.70	0.083	8.09	16.85	1.6	1.6	-0.005
2.80	0.045	8.20	18.05	1.2	1.2	-0.009
2.90	0.079	8.34	19.26	1.6	1.6	-0.013
3.00	0.042	8.51	20.49	1.5	1.5	-0.006
3.10	0.078	8.63	21.75	1.7	1.7	-0.014

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Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
3.20	0.103	8.83	23.03	1.9	1.9	-0.019
3.30	0.060	8.99	24.34	1.8	1.8	-0.007
3.40	0.101	9.16	25.66	2.4	2.4	0.008
3.50	0.122	9.42	27.03	2.7	2.7	0.000
3.60	0.076	9.63	28.42	2.4	2.4	-0.031
3.70	0.110	9.83	29.85	2.7	2.7	-0.024
3.80	0.105	10.08	31.31	2.7	2.7	-0.003
3.90	0.066	10.26	32.80	2.2	2.2	-0.016
4.00	0.097	10.43	34.32	2.5	2.5	-0.004
4.10	0.094	10.65	35.87	2.6	2.6	-0.007
4.20	0.075	10.83	37.44	2.3	2.3	-0.049
4.30	0.088	11.00	39.04	2.3	2.3	-0.048
4.40	0.067	11.17	40.67	1.9	1.9	0.021
4.50	0.041	11.28	42.31	1.7	1.7	0.027
4.60	0.084	11.42	43.98	2.2	2.2	0.022
4.70	0.078	11.60	45.67	2.3	2.3	-0.027
4.80	0.075	11.75	47.38	2.5	2.5	-0.034
4.90	0.091	11.95	49.12	2.5	2.5	-0.046
5.00	0.061	12.10	50.88	2.1	2.1	-0.018
5.10	0.079	12.24	52.67	2.6	2.6	-0.004
5.20	0.099	12.44	54.48	2.8	2.8	0.008
5.30	0.058	12.61	56.31	2.2	2.2	0.005
5.40	0.071	12.74	58.17	2.3	2.3	-0.028
5.50	0.075	12.91	60.05	2.4	2.4	-0.032
5.60	0.044	13.03	61.95	1.7	1.7	-0.024
5.70	0.044	13.12	63.87	1.6	1.6	-0.048

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Printed 2/21/2012

Vehicle: 2012 Internatio Location: CR660 Date: 2/21/2012 02:16 PM Run No.: 19
Length: 5.49 Sec Weight: 1000.0 LBS Drag: 0.00 LBS FlatPlate: 0.0 Sq Ft
Barometric Pressure: 29.921 In HG Station Pressure: 29.921 In HG Altitude: 0 Ft
Temp.: 60.0 Deg. F Humidity: 0 % Wind: 0.0 MPH %HP Loss: 0 % Smooth HP: 10
Pitch Factor: 1.0000 Roll Factor: 1.0000

NOTES

N: 4DRBUAAP0CB395235

I- A719S1

AVERAGES:

0.114 7.97 22.99 2.1 2.1 -0.008

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
0.10	0.116	0.24	0.02	0.1	0.1	-0.008
0.20	0.135	0.52	0.07	0.2	0.2	-0.008
0.30	0.156	0.84	0.17	0.4	0.4	-0.006
0.40	0.171	1.20	0.32	0.6	0.6	0.001
0.50	0.177	1.59	0.52	0.8	0.8	0.001
0.60	0.186	1.99	0.79	1.0	1.0	0.003
0.70	0.189	2.40	1.11	1.2	1.2	0.003
0.80	0.183	2.81	1.49	1.4	1.4	-0.001
0.90	0.178	3.20	1.93	1.5	1.5	-0.001
1.00	0.177	3.59	2.43	1.7	1.7	0.000
1.10	0.160	3.96	2.98	1.7	1.7	0.000
1.20	0.151	4.31	3.59	1.8	1.8	-0.009
1.30	0.152	4.64	4.25	1.9	1.9	-0.011
1.40	0.159	4.98	4.95	2.1	2.1	0.011
1.50	0.154	5.32	5.71	2.1	2.1	0.015
1.60	0.146	5.64	6.51	2.2	2.2	0.003
1.70	0.132	5.96	7.36	2.1	2.1	-0.004
1.80	0.121	6.23	8.26	2.2	2.2	-0.018
1.90	0.153	6.53	9.19	2.5	2.5	-0.010
2.00	0.134	6.86	10.17	2.4	2.4	-0.009
2.10	0.101	7.10	11.20	2.1	2.1	0.020
2.20	0.119	7.34	12.26	2.3	2.3	0.031
2.30	0.110	7.61	13.35	2.2	2.2	-0.020
2.40	0.112	7.83	14.48	2.4	2.4	-0.020
2.50	0.141	8.11	15.65	2.7	2.7	-0.012
2.60	0.097	8.38	16.86	2.2	2.2	-0.001
2.70	0.056	8.54	18.10	1.7	1.7	-0.005
2.80	0.088	8.71	19.37	1.9	1.9	-0.008
2.90	0.070	8.89	20.66	1.7	1.7	-0.008
3.00	0.088	9.03	21.97	1.9	1.9	-0.017
3.10	0.097	9.24	23.31	2.1	2.1	-0.020

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Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	HP	HP SL	Lat Accel (G)
3.20	0.067	9.40	24.68	2.0	2.0	-0.008
3.30	0.112	9.59	26.07	2.7	2.7	0.018
3.40	0.106	9.85	27.50	2.8	2.8	-0.031
3.50	0.083	10.04	28.96	2.6	2.6	-0.039
3.60	0.124	10.28	30.44	3.1	3.1	-0.024
3.70	0.091	10.53	31.97	2.6	2.6	-0.005
3.80	0.070	10.69	33.53	2.4	2.4	-0.009
3.90	0.116	10.90	35.11	2.9	2.9	0.001
4.00	0.093	11.13	36.73	2.9	2.9	-0.014
4.10	0.085	11.32	38.37	2.7	2.7	-0.067
4.20	0.101	11.53	40.05	2.8	2.8	-0.028
4.30	0.075	11.72	41.75	2.4	2.4	0.037
4.40	0.075	11.87	43.48	2.5	2.5	0.030
4.50	0.100	12.07	45.24	3.0	3.0	-0.008
4.60	0.080	12.27	47.02	2.9	2.9	-0.019
4.70	0.096	12.46	48.84	2.9	2.9	-0.039
4.80	0.058	12.64	50.68	2.5	2.5	-0.041
4.90	0.077	12.79	52.54	2.6	2.6	0.012
5.00	0.090	12.98	54.43	3.0	3.0	0.021
5.10	0.078	13.17	56.35	2.7	2.7	0.012
5.20	0.064	13.31	58.29	2.5	2.5	-0.025
5.30	0.093	13.49	60.26	2.8	2.8	-0.037
5.40	0.067	13.65	62.25	2.4	2.4	-0.035

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Ford Crown Location: CR528 Date: 2/21/2012 02:25 PM Run No.: 20
Length: 2.21 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.15 Sec

NOTES

N: 2FABP7BV4BX183094
I- MG90595

AVERAGES:

-0.983 24.48 53.31 0.008

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
0.10	-0.669	46.61	6.93	0.020
0.20	-0.905	44.84	13.64	-0.011
0.30	-1.043	42.69	20.06	-0.001
0.40	-1.112	40.31	26.15	-0.006
0.50	-1.026	37.94	31.88	-0.020
0.60	-0.965	35.77	37.29	-0.004
0.70	-0.919	33.72	42.38	0.002
0.80	-0.981	31.65	47.18	0.020
0.90	-1.005	29.47	51.66	0.011
1.00	-1.069	27.18	55.82	0.010
1.10	-1.045	24.84	59.63	-0.005
1.20	-1.036	22.57	63.11	0.008
1.30	-1.003	20.34	66.25	-0.001
1.40	-1.015	18.11	69.07	0.030
1.50	-1.027	15.88	71.57	0.015
1.60	-1.027	13.63	73.73	0.019
1.70	-1.030	11.39	75.57	0.032
1.80	-1.079	9.08	77.07	0.013
1.90	-1.085	6.71	78.23	0.000
2.00	-1.032	4.39	79.04	0.018
2.10	-0.948	2.18	79.52	0.004
2.20	-0.894	0.19	79.69	-0.011

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Ford Crown Location: CR528 Date: 2/21/2012 02:27 PM Run No.: 21
Length: 2.73 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.16 Sec

NOTES

VIN: 2FABP7BV4BX183094
I-MG90595

AVERAGES:

-0.868 29.66 78.81 0.012

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
0.10	-0.104	51.77	7.61	0.060
0.20	-0.119	51.53	15.18	0.081
0.30	-0.121	51.28	22.72	0.065
0.40	-0.398	50.83	30.22	0.059
0.50	-0.758	49.48	37.58	0.024
0.60	-1.002	47.48	44.70	0.018
0.70	-1.051	45.21	51.50	-0.006
0.80	-1.000	42.95	57.96	-0.055
0.90	-0.935	40.86	64.11	-0.020
1.00	-0.922	38.84	69.95	0.021
1.10	-0.953	36.79	75.50	0.018
1.20	-1.045	34.58	80.73	-0.006
1.30	-1.065	32.26	85.63	0.006
1.40	-1.090	29.88	90.19	-0.034
1.50	-1.032	27.55	94.40	-0.007
1.60	-1.011	25.36	98.28	0.000
1.70	-1.038	23.11	101.84	0.018
1.80	-1.065	20.80	105.06	0.004
1.90	-1.064	18.45	107.94	0.002
2.00	-0.978	16.24	110.48	-0.050
2.10	-0.964	14.08	112.70	0.016
2.20	-1.016	11.85	114.60	0.003
2.30	-1.033	9.64	116.18	0.015
2.40	-1.074	7.31	117.42	0.061
2.50	-1.072	4.94	118.32	0.053
2.60	-0.991	2.67	118.88	-0.007
2.70	-0.905	0.58	119.11	-0.070

PROFILE© for WINDOWS

Printed 2/21/2012

Vehicle: 2011 Ford Crown Location: CR528 Date: 2/21/2012 02:28 PM Run No.: 22
Length: 2.73 Sec
Pitch Factor: 1.0000 Roll Factor: 1.0000 Settle Time: 0.16 Sec

NOTES

VIN: 2FABP7BV4BX183094

PL-MG90595

AVERAGES:

-0.956 29.64 79.61 0.008

Time (Sec.)	Accel (G)	Speed (MPH)	Distance (Feet)	Lat Accel (G)
0.10	-0.489	56.56	8.36	0.015
0.20	-0.763	55.13	16.55	0.014
0.30	-0.967	53.20	24.50	0.028
0.40	-1.079	50.92	32.14	0.019
0.50	-1.044	48.59	39.44	0.019
0.60	-0.933	46.40	46.40	-0.007
0.70	-0.877	44.44	53.06	-0.017
0.80	-0.865	42.50	59.44	0.012
0.90	-0.984	40.46	65.52	0.023
1.00	-1.089	38.17	71.29	0.008
1.10	-1.075	35.78	76.72	0.024
1.20	-1.047	33.44	81.79	0.038
1.30	-0.994	31.19	86.53	0.017
1.40	-0.970	29.05	90.95	0.002
1.50	-1.008	26.89	95.05	-0.022
1.60	-1.048	24.61	98.83	-0.038
1.70	-1.027	22.39	102.27	-0.069
1.80	-0.970	20.18	105.39	0.026
1.90	-0.984	18.03	108.19	0.110
2.00	-1.021	15.82	110.68	0.007
2.10	-0.912	13.74	112.84	0.028
2.20	-0.969	11.67	114.71	-0.001
2.30	-1.068	9.43	116.26	0.008
2.40	-1.118	7.02	117.47	0.001
2.50	-1.009	4.64	118.32	0.001
2.60	-0.922	2.55	118.84	-0.015
2.70	-0.866	0.57	119.07	-0.020