

PC-Travel for Windows Reports for study: BANDOUT - Mixed Runs

<u>Report Name</u>	<u>Page</u>
Study Summary	2
Overall Output Statistics	3
Fuel Consumption & Emissions	4
Detailed Statistics By Run - Travel Times	5
Detailed Statistics By Run - Stops	6
Detailed Statistics By Run - Average Speed	7
Detailed Statistics By Run - Total Delay	8
Detailed Statistics By Run - Time <= 0 MPH	9
Detailed Statistics By Run - Time <= 35 MPH	10
Detailed Statistics By Run - Time <= 55 MPH	11
Detailed Statistics By Run - Fuel Consumption	12
Detailed Statistics By Run - Hydrocarbons	13
Detailed Statistics By Run - Carbon Monoxide	14
Detailed Statistics By Run - NOx	15
Speed/Distance Profiles of All Runs	16
Time/Space Trajectories of All Runs	17
Speed Profile (Distance vs Spd) for BANDOUT1-Before	18
Speed Profile (Distance vs Spd) for BANDOUT4-After	20
Speed Profile (Time vs Spd) for BANDOUT1-Before	22
Speed Profile (Time vs Spd) for BANDOUT4-After	23

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **2**

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/After	Run Type
BANDOUT1-Before	03/02/91	14:55	9960	Before	Primary
BANDOUT2-Before	03/02/91	15:05	9972	Before	Primary
BANDOUT3-Before	03/02/91	15:13	9949	Before	Primary
BANDOUT4-After	03/02/91	15:22	9885	After	Primary
BANDOUT5-After	03/02/91	15:31	9917	After	Primary
BANDOUT6-After	03/02/91	15:40	9792	After	Primary

Node Info

#	Len	Name
1	0	[Start]
2	766	Mainland
3	1588	Guilbeau
4	2693	Bresnahan/Mistic
5	2457	Braun
6	2408	[End]

Length of Study Route = 9,912 feet

Notes:

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **3**

Overall Output Statistics

Node #	Length	Node Name		Travel Time	# of Stops	Avg Speed	Total Delay	Time <= 0 MPH	Time <= 35 MPH	Time <= 55 MPH	
1	0	[Start]									
2	766	Mainland	Before	12.7	0.0	41.2	-4.7	0.0	0.0	12.7	
			After	15.0	0.0	34.8	-2.3	0.0	5.0	15.0	
			Change	2.3	0.0	-6.4	2.3	0.0	5.0	2.3	
3	1588	Guilbeau	Before	36.3	0.3	29.8	0.7	2.7	20.0	36.3	
			After	42.0	0.7	25.8	6.0	6.0	25.7	42.0	
			Change	5.7	0.3	-4.0	5.3	3.3	5.7	5.7	
4	2693	Bresnahan/Mistic	Before	77.0	0.7	23.8	16.3	18.3	46.7	77.0	
			After	55.7	0.3	33.0	-5.7	2.7	23.0	55.7	
			Change	-21.3	-0.3	9.1	-22.0	-15.7	-23.7	-21.3	
5	2457	Braun	Before	44.7	0.3	37.5	-11.0	1.7	9.0	44.7	
			After	44.3	0.0	37.8	-11.7	0.0	16.3	44.3	
			Change	-0.3	-0.3	0.3	-0.7	-1.7	7.3	-0.3	
6	2408	[End]	Before	36.3	0.0	45.2	-19.3	0.0	2.7	36.3	
			After	35.7	0.0	46.0	-18.0	0.0	2.0	35.0	
			Change	-0.7	0.0	0.8	1.3	0.0	-0.7	-1.3	
Totals	9,912			207.0	1.3	32.6	-18.0	22.7	78.3	207.0	
				After	192.7	1.0	35.1	-31.7	8.7	72.0	192.0
				Change	-14.3	-0.3	2.4	-13.7	-14.0	-6.3	-15.0

Stats based on 3 BEFORE runs & 3 AFTER runs.
Stops based on a Stop Speed of 5 MPH.
Total Delay based on a Normal Speed of 30 MPH.

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **4**

Fuel Consumption & Emissions

Node #	Length	Node Name		Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)	
1	0	[Start]						
2	766	Mainland	Before	0.0070	0.5963	8.5079	0.3490	
			After	0.0072	0.6528	7.8761	0.4032	
			Change	0.0002	0.0565	-0.6317	0.0542	
3	1588	Guilbeau	Before	0.0151	1.2555	12.3548	0.7126	
			After	0.0183	1.9108	19.2974	1.2895	
			Change	0.0033	0.6553	6.9426	0.5769	
4	2693	Bresnahan/Mistic	Before	0.0307	3.0521	31.4920	1.8595	
			After	0.0292	2.8914	32.7269	2.0137	
			Change	-0.0015	-0.1607	1.2349	0.1542	
5	2457	Braun	Before	0.0248	2.5068	31.2653	1.7325	
			After	0.0238	2.5091	32.2041	1.7294	
			Change	-0.0010	0.0023	0.9388	-0.0031	
6	2408	[End]	Before	0.0222	1.8112	24.6459	1.1285	
			After	0.0213	1.8224	25.9739	1.1461	
			Change	-0.0009	0.0112	1.3281	0.0176	
Totals	9,912			0.0997	9.2219	108.2659	5.7821	
				After	0.0998	9.7866	118.0784	6.5819
				Change	0.0001	0.5646	9.8126	0.7998

Stats based on 3 BEFORE runs & 3 AFTER runs.

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **5**

Detailed Statistics By Run

Travel Time (sec) by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	12	14	12	19	12	14
3	1588	Guilbeau	24	39	46	27	40	59
4	2693	Bresnahan/Mistic	120	53	58	44	63	60
5	2457	Braun	40	53	41	48	38	47
6	2408	[End]	33	41	35	39	33	35
Totals	9912		229	200	192	177	186	215

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **6**

Detailed Statistics By Run

Number of Stops by Section

BANDOUT1-Before *BANDOUT2-Before* *BANDOUT3-Before* *BANDOUT4-After*
BANDOUT5-After *BANDOUT6-After*

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0	0	0	0	0	0
3	1588	Guilbeau	0	0	1	0	1	1
4	2693	Bresnahan/Mistic	2	0	0	0	1	0
5	2457	Braun	0	1	0	0	0	0
6	2408	[End]	0	0	0	0	0	0
Totals	9912		2	1	1	0	2	1

Stops based on a Stop Speed of 5 MPH.

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **7**

Detailed Statistics By Run

Average Speed (MPH) by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	45.4	37.4	46.3	28.4	45.5	38.9
3	1588	Guilbeau	44.9	28.1	23.0	40.5	27.3	18.0
4	2693	Bresnahan/Mistic	15.3	34.7	31.6	41.8	28.9	30.8
5	2457	Braun	42.5	31.3	41.7	34.7	44.7	35.4
6	2408	[End]	49.3	40.9	46.9	42.4	48.7	45.6
Totals	9912		29.7	34.0	35.4	38.4	36.3	31.1

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **8**

Detailed Statistics By Run

Total Delay (sec) by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	-5	-3	-6	2	-5	-4
3	1588	Guilbeau	-12	3	11	-9	4	23
4	2693	Bresnahan/Mistic	59	-8	-2	-17	2	-2
5	2457	Braun	-16	-2	-15	-8	-18	-9
6	2408	[End]	-22	-15	-21	-15	-22	-17
Totals	9912		4	-25	-33	-47	-39	-9

Total Delay based on a Normal Speed of 30 MPH.

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **9**

Detailed Statistics By Run

Time Below 0 MPH by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0	0	0	0	0	0
3	1588	Guilbeau	0	0	8	0	0	18
4	2693	Bresnahan/Mistic	55	0	0	0	8	0
5	2457	Braun	0	5	0	0	0	0
6	2408	[End]	0	0	0	0	0	0
Totals	9912		55	5	8	0	8	18

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **10**

Detailed Statistics By Run

Time Below 35 MPH by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0	0	0	15	0	0
3	1588	Guilbeau	0	31	29	5	25	47
4	2693	Bresnahan/Mistic	86	26	28	3	31	35
5	2457	Braun	5	17	5	22	3	24
6	2408	[End]	0	8	0	6	0	0
Totals	9912		91	82	62	51	59	106

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **11**

Detailed Statistics By Run

Time Below 55 MPH by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	12	14	12	19	12	14
3	1588	Guilbeau	24	39	46	27	40	59
4	2693	Bresnahan/Mistic	120	53	58	44	63	60
5	2457	Braun	40	53	41	48	38	47
6	2408	[End]	33	41	35	38	33	34
Totals	9912		229	200	192	176	186	214

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **12**

Detailed Statistics By Run

Fuel Consumption (gallons) by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0.0068	0.0062	0.0079	0.0072	0.0066	0.0077
3	1588	Guilbeau	0.0129	0.0142	0.0181	0.0164	0.0178	0.0207
4	2693	Bresnahan/Mistic	0.0397	0.0245	0.0278	0.0232	0.0307	0.0336
5	2457	Braun	0.0261	0.0245	0.0236	0.0225	0.0266	0.0223
6	2408	[End]	0.0204	0.0259	0.0205	0.0234	0.0207	0.0200
Totals	9912		0.1059	0.0953	0.0978	0.0926	0.1024	0.1043

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **13**

Detailed Statistics By Run

Hydrocarbons (grams) by Section

BANDOUT1-Before BANDOUT2-Before BANDOUT3-Before BANDOUT4-After BANDOUT5-After BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0.4952	0.5062	0.7874	0.6637	0.4420	0.8528
3	1588	Guilbeau	0.8180	1.3325	1.6162	1.8660	1.7493	2.1171
4	2693	Bresnahan/Mistic	3.7134	2.4643	2.9786	1.9491	3.0949	3.6303
5	2457	Braun	2.8103	2.3270	2.3831	2.2379	2.8835	2.4060
6	2408	[End]	1.1553	2.9043	1.3741	2.4893	1.3875	1.5903
Totals	9912		8.9922	9.5342	9.1394	9.2059	9.5572	10.5966

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877-603-5844

Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **14**

Detailed Statistics By Run

Carbon Monoxide (grams) by Section

BANDOUT1-Before
BANDOUT2-Before
BANDOUT3-Before
BANDOUT4-After
BANDOUT5-After
BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	7.0684	6.1016	12.3536	5.8313	6.1710	11.6262
3	1588	Guilbeau	11.0577	12.0560	13.9508	24.7863	15.2487	17.8572
4	2693	Bresnahan/Mistic	34.8073	28.5214	31.1472	26.8430	34.3409	36.9969
5	2457	Braun	37.1968	25.3046	31.2945	26.5158	40.7911	29.3053
6	2408	[End]	16.6098	37.7026	19.6252	34.1615	20.7848	22.9755
Totals	9912		106.7400	109.6862	108.3714	118.1378	117.3364	118.7611

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Study Name : **BANDOUT - Mixed Runs**
Study Date : **5/1/2002**
Page No. : **15**

Detailed Statistics By Run

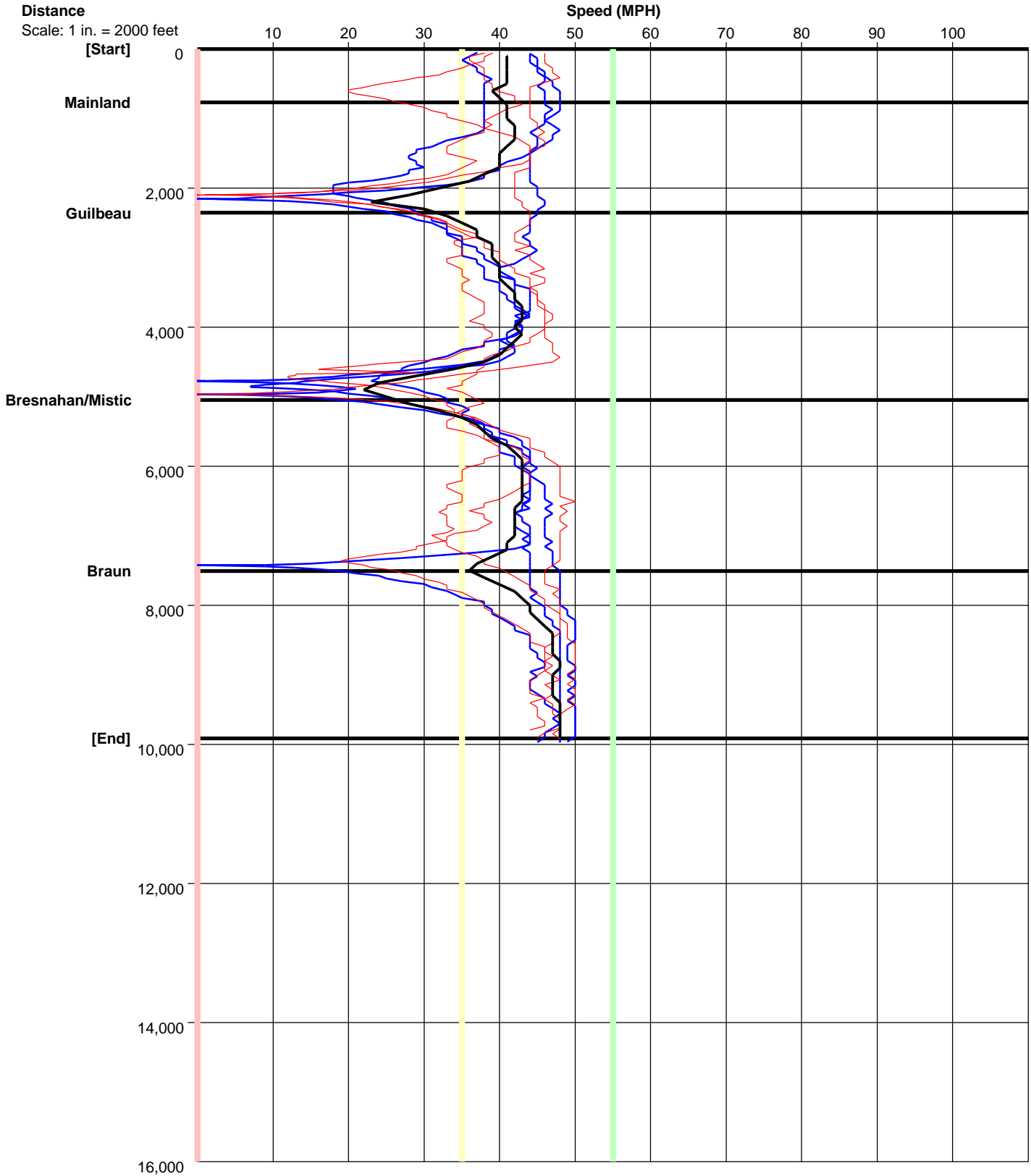
Nitrous Oxides (grams) by Section

BANDOUT1-Before
BANDOUT2-Before
BANDOUT3-Before
BANDOUT4-After
BANDOUT5-After
BANDOUT6-After

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6
1	0	[Start]						
2	766	Mainland	0.2648	0.2610	0.5212	0.4027	0.2256	0.5814
3	1588	Guilbeau	0.3769	0.7783	0.9826	1.3556	1.2306	1.2823
4	2693	Bresnahan/Mistic	1.8391	1.6024	2.1370	1.1531	2.1017	2.7862
5	2457	Braun	2.0491	1.5151	1.6332	1.4566	2.1058	1.6259
6	2408	[End]	0.5200	2.1553	0.7103	1.7701	0.7400	0.9282
Totals	9912		5.0498	6.3121	5.9843	6.1381	6.4037	7.2039

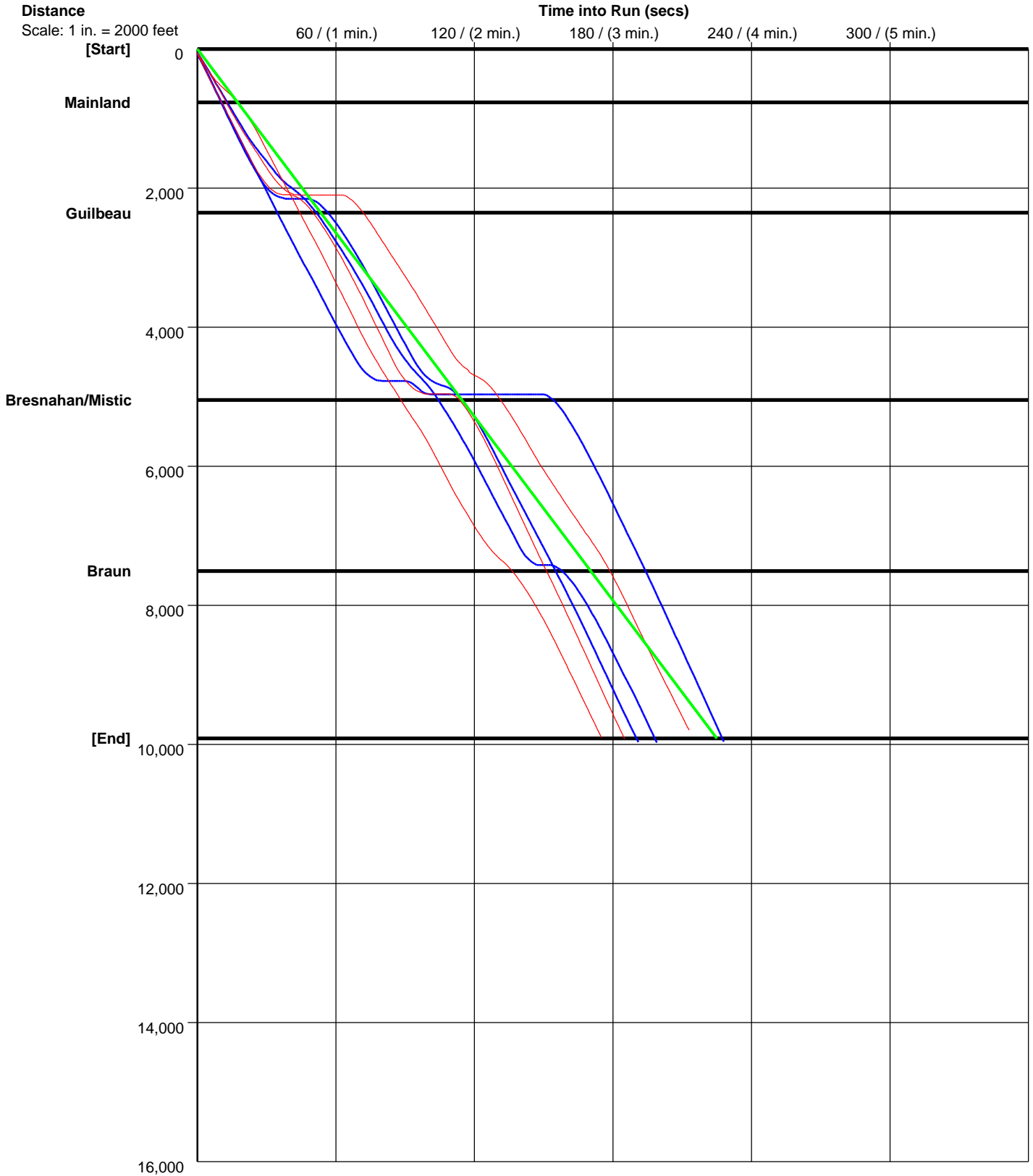
Speed/Distance Profiles of All Runs

Thick (blue) lines = Before Runs; Thin (red) lines = After Runs



Time/Space Trajectories of All Runs

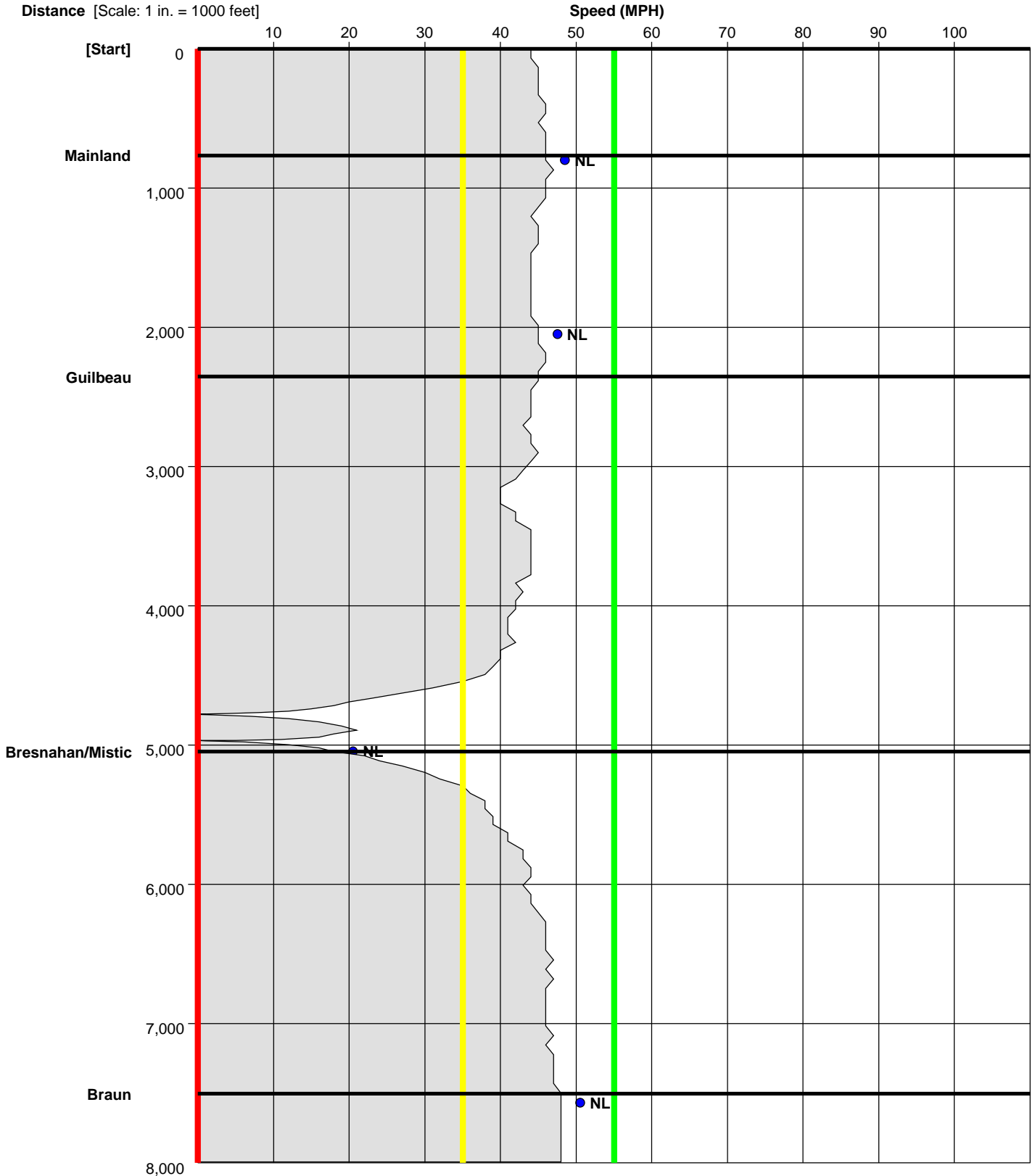
Thick (blue) lines = Before Runs; Thin (red) lines = After Runs



Solid Line is Normal Speed of 30 MPH

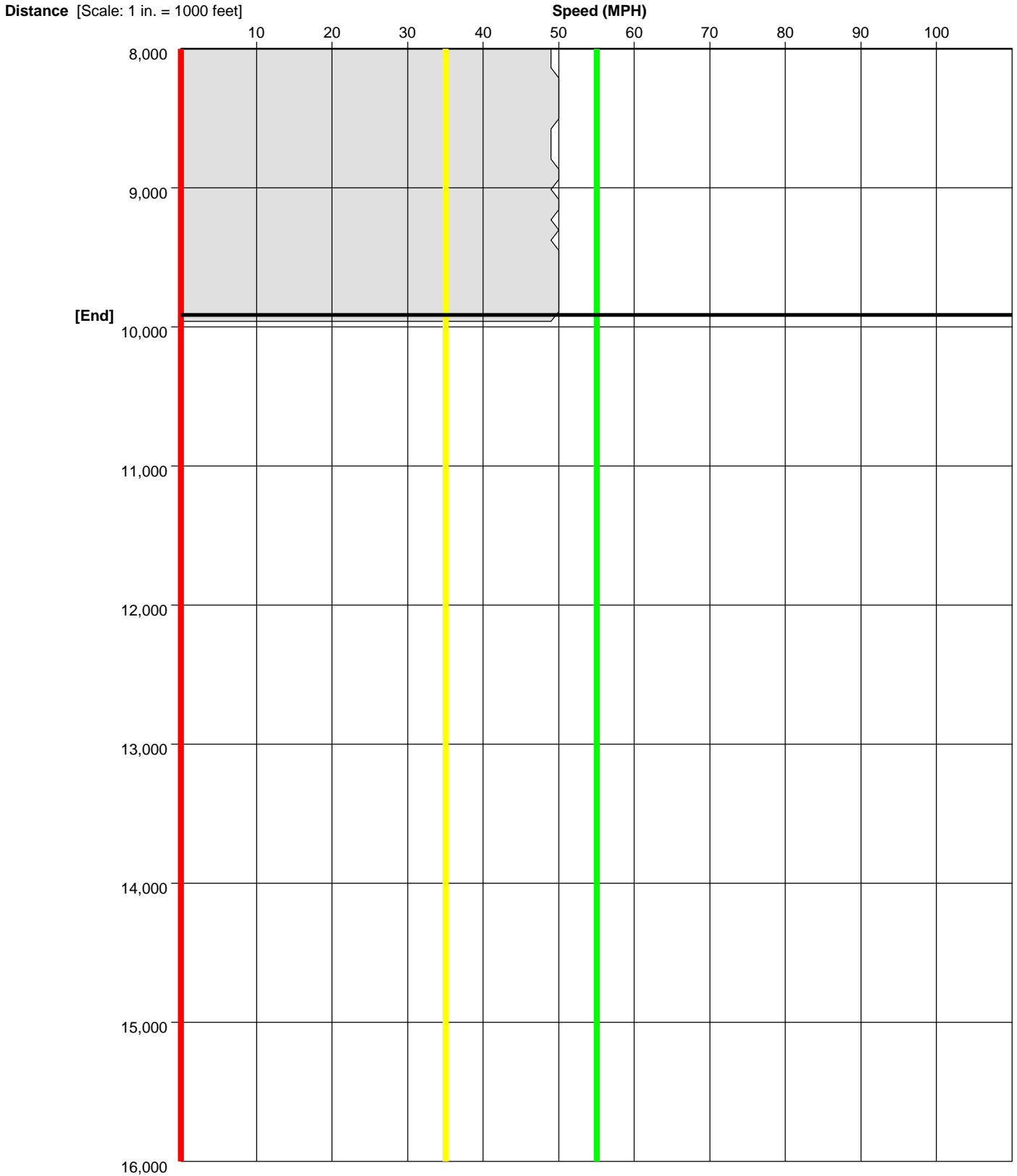
Speed Profile

Run : **BANDOUT1-Before** Start Time: **14:55** (This is a Before Run)



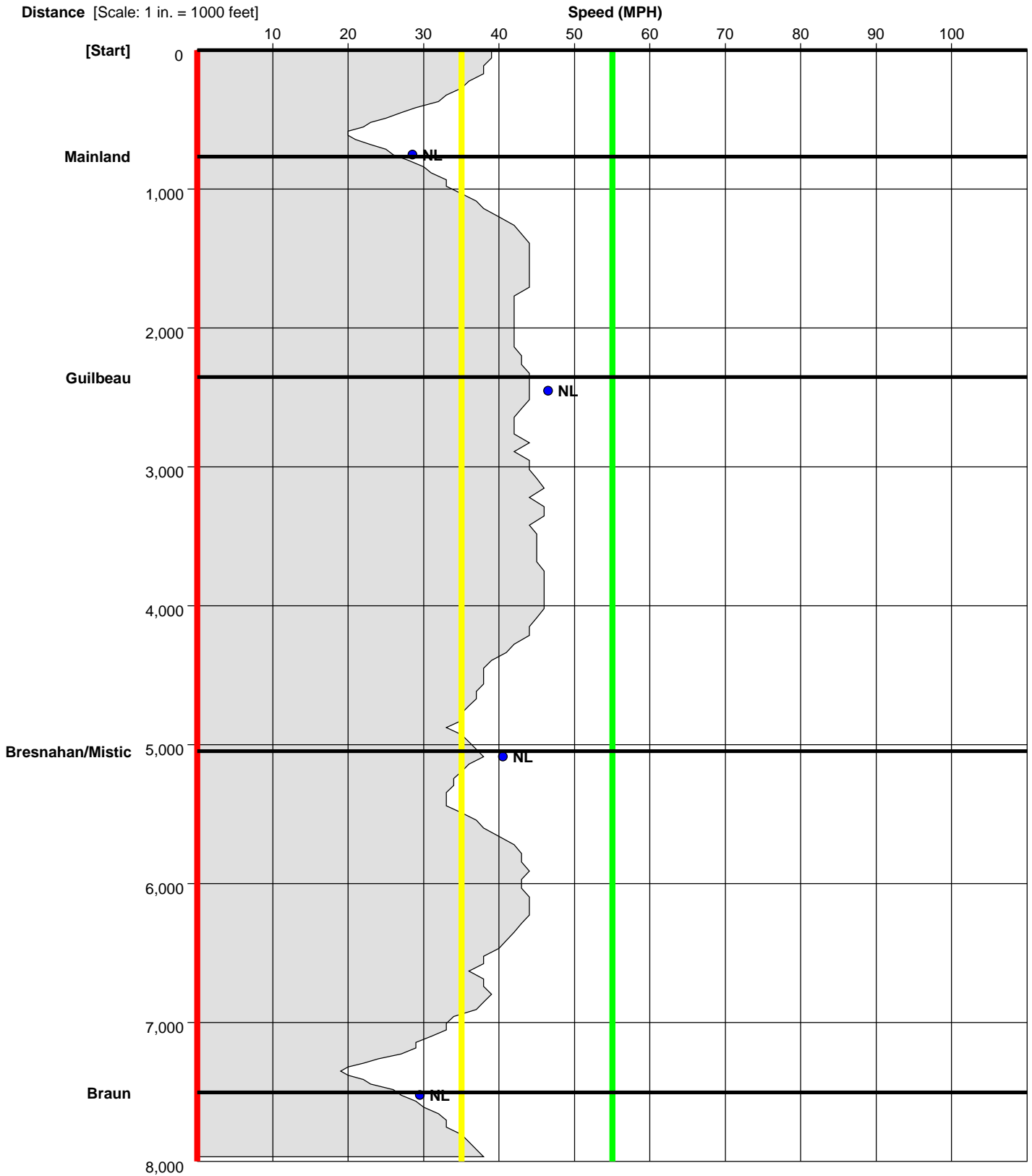
Speed Profile

Run : **BANDOUT1-Before** Start Time: **14:55** (This is a Before Run)



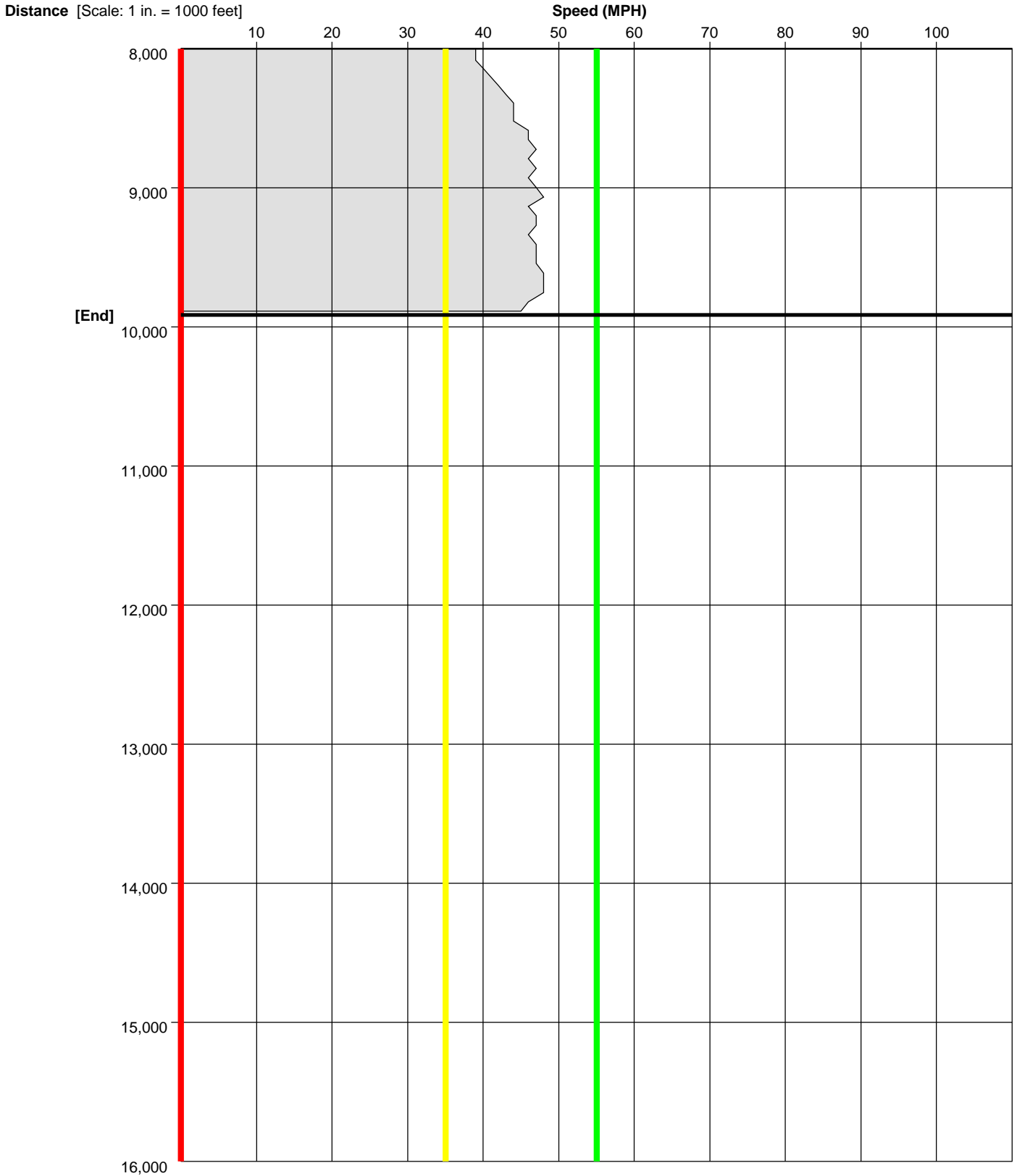
Speed Profile

Run : **BANDOUT4-After** Start Time: **15:22** (This is an After Run)



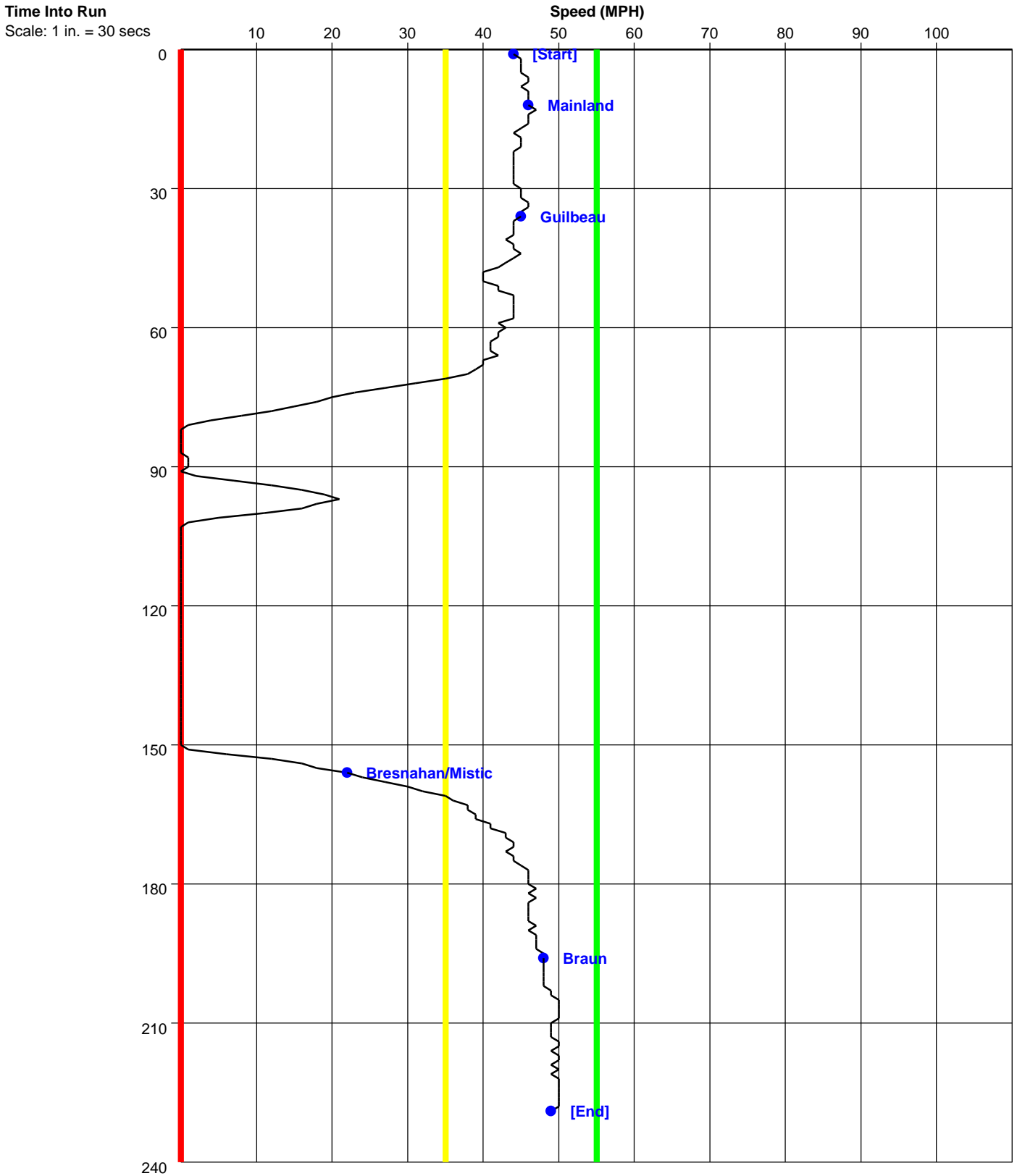
Speed Profile

Run : **BANDOUT4-After** Start Time: **15:22** (This is an After Run)



Time-Based Speed Profile

Run : **BANDOUT1-Before** Start Time:14:55 (This is a Before Run)



Time-Based Speed Profile

Run : **BANDOUT4-After** Start Time:15:22 (This is an After Run)

