EPA-450/4-81-019d

Northeast Corridor Regional Modeling Project — Upper Air Meteorological Measurements

Volume IV: Upper Air Wind Data — Marlboro, NJ

by

Beukers Laboratory
Flowerfield, Building 7
St. James, New York 11780

Contract No. 68-02-3531

EPA Project Officer: Norman Possiel

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air, Noise and Radiation
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

April 1981

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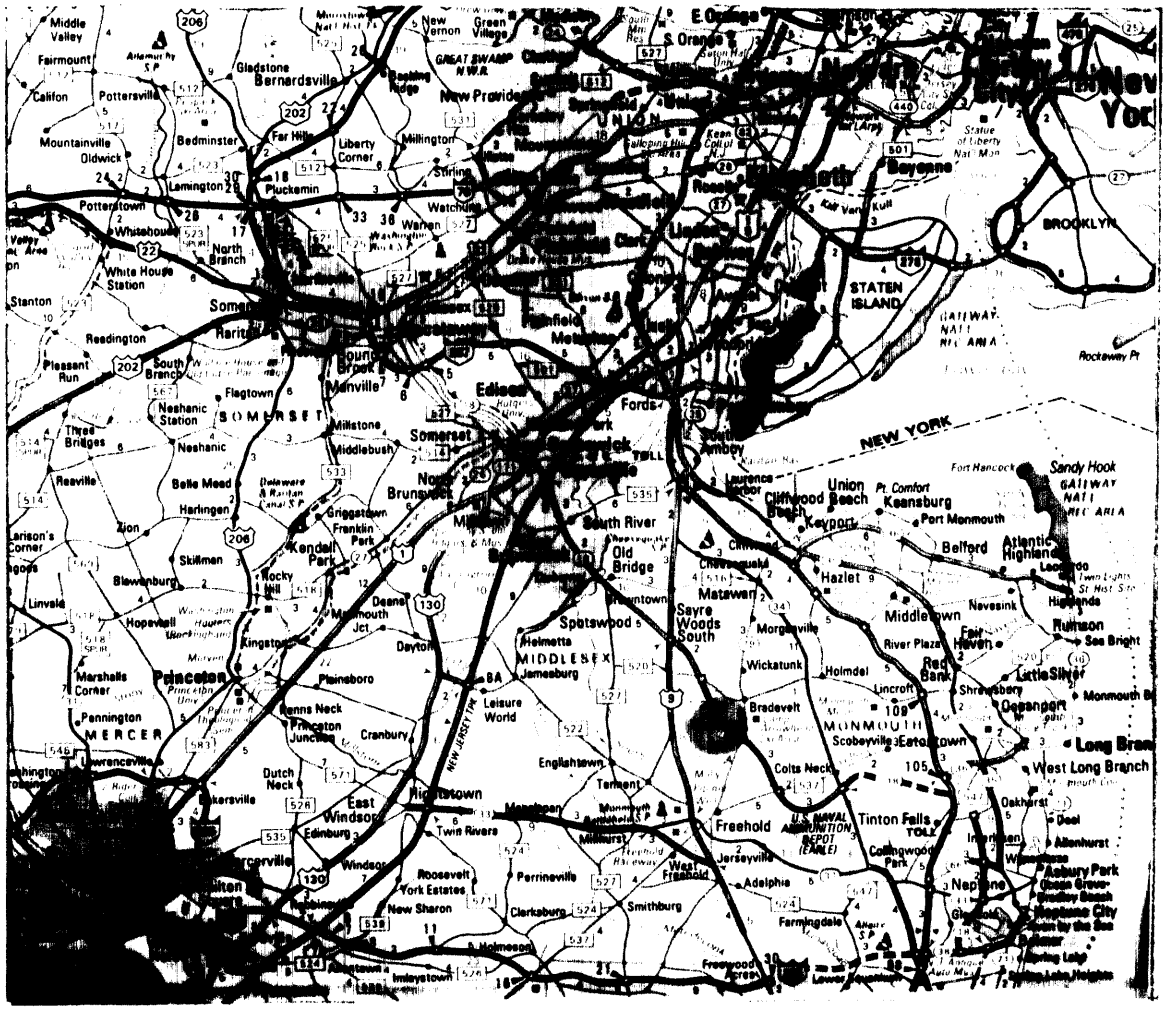
Publication No. EPA-450/4-81-019d

Introduction

Presented in this report are the winds data collected for the Northeast Corridor Regional Modeling Project at Marlboro, NJ during the experimental period July 16 - September 12, 1980.

On the following page is a map locating the Upper Air Station with respect to the greater Marlboro, NJ area.

Details of the circumstances and equipment involved in the collection, processing and presentation of this data may be found in the Environmental Protection Agency Report EPA-450/4-81-019a, Northeast Corridor Regional Modeling Project -- Upper Air Meteorological Measurements, Volume 1: Description of the Measurement Program, as submitted by Beukers Laboratories, Inc. and Aero-Vironment, Incorporated.


Middle Valley
Fairmount
Califon
Pottersville
Mountainville
Oldwick
Bedminster
Gladstone
Bernardsville
Far Hills
Liberty Corner
Millington
Pluckemin
Lamington
Potterstown
Whitehouse
North Branch
White House Station
Stanton
Readington
Pleasant Run
South Branch
Flagtown
Neshanic Station
Neshanic
Three Bridges
Reaville
Belle Mead
Harlingen
Zion
Larison's Corner
Skillman
Blawenburg
Linvale
Hopewell
Kingston
Rocky Hill
Kendall Park
Griggstown
Franklin Park
Deanes
Dayton
Plainsboro
Princeton
Marshalls Corner
Pennington
MERCER
Lawrenceville
Kenns Neck
Princeton Junction
Cranbury
Dutch Neck
East Windsor
Edinburg
Windsor
Roosevelt
York Estates
New Sharon
Millstone
Middlebush
Somerset
SOMERSET
Manville
Green Village
New Vernon
GREAT SWAMP N.W.R.
New Providence
Watchung
Warren
Stirling
Somerset
Bound Brook
Edison
Fords
Metuchen
Rahway
Linden
Elizabeth
Newark
Jersey City
Bayonne
Statue of Liberty Nat. Mon.
BROOKLYN
STATEN ISLAND
GATEWAY NATL RECREATION AREA
Rockaway Pt
NEW YORK
Sandy Hook
Fort Hancock
Union Beach
Pt. Comfort
Keansburg
Port Monmouth
Keyport
Belford
Atlantic Highlands
Highlands
Navesink
Hazlet
Middletown
Matawan
Sayre Woods South
Morganville
Wickatunk
Holmdel
Lincroft
Red Bank
Shrewsbury
Oceanport
Little Silver
Monmouth Bch
Long Branch
West Long Branch
Oakhurst
Deal
Allenhurst
Asbury Park
Neptune
Neptune City
Belmar
Spring Lake
Bradevelt
Scobeyville
Eatontown
Colts Neck
Freehold
U.S. NAVAL AMMUNITION DEPOT (EARLE)
Tinton Falls
Colingwood Park
Jerseyville
Adelphia
Farmingdale
Freehold Raceway
West Freehold
Millhurst
Manalapan
Monmouth Park
Englishtown
Tennent
Perrineville
Clarksburg
Smithburg
Freewood Acres
Holmdel
Imlaystown
Leisure World
Twin Rivers
Helmetta
Jamesburg
Spotswood
Old Bridge
South River
Sayreville
Cliffwood Beach
Laurence Harbor
Sewaren
Rahway
Roselle
Kenilworth
Cranford
Garwood
Clark
Rahway
Woodbridge
Avenel
Colonia
Metuchen
Edison
Piscataway
Dunellen
Bound Brook
Manville
Raritan
Somerset
Franklin Park
Kendall Park
Rocky Hill
Hopewell
Princeton
Lawrenceville
Pennington
Hamilton
Trenton
Ewing
Lawrence
Hamilton Sq.
Robbinsville
Allentown
Imlaystown
Freehold
Jersey City
Newark
Elizabeth
Rahway
Linden
Bayonne
Hoboken
Weehawken
Fort Lee
Cliffside Park
Edgewater
Ridgefield Park
Teaneck
Hackensack
Paterson
Clifton
Passaic
Bloomfield
Montclair
Nutley
Kearny
Harrison
Secaucus

Winds Data

Presented for Marlboro, NJ

July 16 - September 12, 1980

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800716	1300	407164	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	0	219.5	.8	0
1	0	184.8	1.3	0
1.5	0	178.6	1.6	0
2	0	174.3	1.9	0
2.5	0	175.9	1.8	0
3	0	177.6	1.8	0
3.5	0	179.3	1.9	0
4	0	180.7	2.1	0
4.5	0	179.8	2.2	0
5	0	179	2.3	0
5.5	0	171.6	2.4	0
6	0	164.8	2.5	0
6.5	0	165.7	2.4	0
7	0	166.7	2.4	0
7.5	0	177.5	2	0
8	0	192.8	1.7	0
8.5	0	193.1	1.8	0
9	0	193.3	1.9	0
9.5	0	183.2	2.1	0
10	0	174.9	2.3	0
10.5	0	174.9	2.3	0
11	0	174.9	2.3	0
11.5	0	185.9	2.2	0
12	0	198	2.1	0
12.5	0	200.1	2	0
13	0	202.4	2	0
13.5	0	193.9	2.1	0
14	0	186.2	2.2	0
14.5	0	185.8	2.1	0
15	0	185.3	2.1	0
15.5	0	189.1	2	0
16	0	193.3	1.9	0
16.5	0	207.1	1.9	0
17	0	219.5	2.1	0
17.5	0	230.5	2.1	0
18	0	241	2.2	0
18.5	0	237.7	2.1	0
19	0	234.3	2.1	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
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PROGRAM

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LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800717	708	47172	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	111	251	13	363
1	235	254.2	15.4	772
1.5	348	257.2	16	1142
2	444	260	16.6	1455
2.5	539	259.7	15.4	1768
3	634	259.3	14.3	2081
3.5	732	257.5	14.2	2400
4	829	255.7	14.1	2719
4.5	926	258.6	15.4	3038
5	1061	261	16.8	3479
5.5	1199	263.5	17.9	3933
6	1323	265.7	19.1	4339
6.5	1425	266.6	19.2	4673
7	1515	267.5	19.3	4970
7.5	1615	266.2	18.9	5296
8	1742	264.9	18.6	5715
8.5	1855	263.1	18.3	6086
9	1967	261.2	18.1	6453
9.5	2119	260.4	18.6	6951
10	2271	259.6	19.1	7449
10.5	2423	258.6	20.1	7947
11	2540	257.7	21.2	8331
11.5	2617	255.3	20.3	8584
12	2709	252.7	19.5	8884
12.5	2829	250	19.4	9280
13	2930	247.3	19.3	9612
13.5	3032	245.1	19.8	9944
14	3131	243	20.3	10271
14.5	3211	240.3	19.5	10532
15	3290	237.3	18.8	10792
15.5	0	236.6	18.3	0
16	0	235.8	17.9	0
16.5	0	235	17.7	0
17	0	234.2	17.6	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
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LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800717	900	407173	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	151	290.5	9.2	496
1	314	294	11.7	1030
1.5	477	291.6	15.5	1564
2	640	290.1	19.3	2098
2.5	797	285.2	22	2614
3	940	281.4	24.9	3083
3.5	1094	279.2	24.2	3589
4	1249	276.9	23.5	4096
4.5	1403	276.1	21.2	4603
5	1546	275.1	19	5072
5.5	1672	270.8	17.8	5484
6	1798	266	16.8	5897
6.5	1923	260	17.7	6309
7	2049	254.6	18.7	6722
7.5	2175	251.1	19.9	7135
8	2301	248	21.2	7547
8.5	2427	246.9	22	7960
9	2552	245.8	22.9	8372
9.5	2678	246.1	23	8785
10	2804	246.3	23.1	9197
10.5	2930	246.1	22.5	9610
11	3055	245.9	22	10022
11.5	3155	245	21.9	10347

1980 NORTHEAST CORRIDOR REGIONAL
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LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800717	1300	407174	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	0	249.6	3.5	0
1	0	245.2	5	0
1.5	0	242.9	6	0
2	0	241.2	7.1	0
2.5	0	240.1	7.7	0
3	0	239.2	8.4	0
3.5	0	237.6	9.8	0
4	0	236.4	11.3	0
4.5	0	234.5	12.4	0
5	0	233	13.6	0
5.5	0	232	13.9	0
6	0	231.1	14.3	0
6.5	0	233.2	15.1	0
7	0	235	16	0
7.5	0	237.9	16.4	0
8	0	240.6	16.9	0
8.5	0	243.4	16.8	0
9	0	246.3	16.8	0
9.5	0	247.6	16.5	0
10	0	249	16.3	0
10.5	0	247.4	16.1	0
11	0	245.8	15.9	0
11.5	0	245.7	15.8	0
12	0	245.6	15.7	0
12.5	0	247.6	15.4	0
13	0	249.6	15.2	0
13.5	0	249.5	15.7	0
14	0	249.4	16.2	0
14.5	0	249.1	17.2	0
15	0	248.8	18.3	0
15.5	0	248.5	18.6	0
16	0	248.3	18.9	0
16.5	0	246.9	18.9	0
17	0	245.5	18.9	0
17.5	0	245.2	19	0
18	0	244.9	19.2	0
18.5	0	245.5	19.5	0
19	0	246.1	19.9	0
19.5	0	246.7	20.3	0
20	0	247.3	20.8	0
20.5	0	247.2	21	0
21	0	247.2	21.2	0
21.5	0	246.5	21.4	0
22	0	245.9	21.6	0

1980 NORTHEAST CORRIDOR REGIONAL
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UPPERAIR METEOROLOGICAL MEASUREMENT
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SITE NO. :4
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LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800718	510	47181	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	3	343.2	2.7	10
1	6	352.7	3.2	21
1.5	24	359.9	3.7	80
2	46	5.3	4.2	152
2.5	62	11.7	4.2	204
3	74	18	4.3	244
3.5	87	26.3	4.2	284
4	111	34.8	4.2	364
4.5	138	39.5	4.1	452
5	162	44.4	4.1	531
5.5	186	46.2	4	610
6	210	48	4	688
6.5	234	43.6	4.1	767
7	258	39.5	4.2	846
7.5	282	31.1	4.4	925
8	306	23.6	4.7	1004
8.5	330	20.7	4.9	1084
9	355	18	5.1	1165
9.5	380	17.2	5.3	1246
10	405	16.4	5.5	1327
10.5	429	15.8	6	1408
11	453	15.3	6.6	1487
11.5	475	14.8	6.9	1557
12	496	14.3	7.2	1627
12.5	517	13.3	7.4	1696
13	538	12.3	7.7	1766
13.5	560	11	8.2	1836
14	580	9.9	8.7	1904
14.5	596	8.3	8.7	1956
15	612	6.8	8.7	2008
15.5	628	6.3	8.3	2060
16	644	5.7	7.9	2112
16.5	660	5.7	7.6	2164
17	676	5.7	7.2	2216
17.5	691	5.2	6.2	2268
18	707	4.4	5.2	2320
18.5	723	8	5.7	2373
19	739	11	6.3	2425
19.5	755	12.7	6.5	2477
20	771	14.2	6.8	2529
20.5	787	14	5.5	2581
21	803	13.8	4.2	2633
21.5	820	13.4	3.8	2689
22	842	12.8	3.4	2762

1980 NORTHEAST CORRIDOR REGIONAL
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PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800718	704	47182	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	93	7.7	5.1	304
1	164	14.6	5.1	539
1.5	236	18.8	5.7	775
2	309	22.2	6.3	1013
2.5	387	21.4	6.5	1270
3	465	20.6	6.7	1526
3.5	544	17.3	6.3	1783
4	622	13.5	5.9	2039
4.5	700	7.4	5.4	2296
5	778	.2	5	2553
5.5	856	354.5	4	2809
6	935	345.2	3.1	3066
6.5	1016	325.2	1.8	3331
7	1098	270.5	1.3	3603
7.5	1181	247.3	2	3874
8	1264	237.1	2.9	4146
8.5	1345	247.4	3.3	4412
9	1426	255.2	3.8	4678
9.5	1495	262.1	4.5	4904
10	1557	267.2	5.2	5106
10.5	1627	271.8	5.9	5335
11	1696	275.5	6.6	5563
11.5	1769	281.6	7	5801
12	1842	287	7.5	6041
12.5	1915	289	7.9	6281
13	1985	290.8	8.4	6511
13.5	2055	291.4	8.5	6740
14	2125	291.9	8.7	6970
14.5	2199	289.7	9.1	7213
15	2276	287.6	9.5	7466
15.5	2353	284.9	10	7719
16	2430	282.5	10.6	7972
16.5	2507	282.8	10.6	8224
17	2584	283.1	10.7	8477
17.5	2662	283.1	10.5	8730
18	2739	283.1	10.3	8983
18.5	2816	281.5	10.7	9235
19	2893	280	11.1	9488
19.5	2970	277.7	11.6	9741
20	3047	275.7	12.2	9993
20.5	3118	273.9	12.3	10228
21	3182	272.1	12.4	10437
21.5	3255	271	12.5	10677
22	3329	269.9	12.7	10918
22.5	3402	270.2	12.7	11159

1980 NORTHEAST OZONE REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800719	510	47191	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	70	204.5	2.7	230
1	151	214.5	2.7	495
1.5	220	219.5	2.9	722
2	289	223.8	3.2	948
2.5	358	219.1	3.6	1175
3	427	215.4	4.1	1401
3.5	496	210.6	4.5	1627
4	565	206.7	5	1854
4.5	635	208.3	5.1	2082
5	706	209.8	5.2	2317
5.5	778	215.5	5.1	2553
6	847	221.5	5	2778
6.5	914	228.4	5.2	2997
7	980	234.7	5.4	3215
7.5	1047	235.9	5.7	3434
8	1114	236.9	6.1	3653
8.5	1182	237.6	6.2	3877
9	1257	238.2	6.4	4122
9.5	1335	241.9	6.6	4378
10	1414	245.4	6.9	4638
10.5	1481	249.9	6.9	4857
11	1549	254.4	7	5080
11.5	1628	258.5	6.9	5340
12	1693	262.8	6.8	5553
12.5	1770	266.5	6.6	5805
13	1846	270.5	6.4	6056
13.5	1923	271.7	6.5	6307
14	2004	272.8	6.6	6572
14.5	2086	270.2	6.7	6842
15	2168	267.7	6.8	7112
15.5	2251	267	7	7383
16	2323	266.3	7.2	7619
16.5	2394	267.3	7.5	7851
17	2465	268.3	7.8	8084
17.5	2536	272.6	7.8	8318
18	2607	277	7.8	8552
18.5	2683	276.2	7.9	8801
19	2764	275.4	8.1	9065
19.5	2844	273.7	8.2	9327
20	2924	272	8.4	9590
20.5	3008	275.5	8	9867
21	3093	279.3	7.7	10144
21.5	3181	283.5	7.4	10433
22	3273	288	7.2	10736
22.5	3366	286.9	7.9	11039
23	0	286	8.6	0
23.5	0	283.6	9.1	0
24	0	281.5	9.2	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800719	708	47192	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	146	243.9	1.7	480
1	240	239.2	2.8	787
1.5	333	238.4	3.5	1091
2	420	237.8	4.3	1379
2.5	508	237.4	4.5	1667
3	602	237.1	4.8	1976
3.5	702	238	4.9	2301
4	784	238.8	5.1	2572
4.5	867	240.9	5.3	2843
5	949	242.8	5.6	3114
5.5	1032	245.6	5.8	3385
6	1121	248.3	6	3677
6.5	1210	253.3	6	3970
7	1309	258.4	6	4293
7.5	1413	264.7	5.8	4636
8	1518	271.3	5.7	4979
8.5	1609	274.9	5.8	5278
9	1696	278.4	5.9	5564
9.5	1784	275.4	5.9	5850
10	1871	272.4	6	6137
10.5	1958	270.4	6.5	6423
11	2045	268.7	7.1	6709
11.5	2137	271.1	7.6	7008
12	2230	273.2	8.2	7314
12.5	2323	275.1	8	7621
13	2405	277	7.8	7890
13.5	2485	280.9	7.5	8150
14	2559	285	7.3	8394
14.5	2615	287.7	7.6	8576
15	2670	290.2	8	8758
15.5	2726	290.7	7.8	8940
16	2816	291.3	7.7	9236
16.5	2958	295.7	7.8	9702
17	3100	299.9	8	10168
17.5	3207	298.8	8.9	10519
18	3290	298	9.9	10792

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800719	900	47193	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	52	156.3	.9	170
1	104	156.3	1.4	341
1.5	171	172.5	1.6	560
2	260	184.3	1.9	854
2.5	350	201.5	2.6	1148
3	392	210.7	3.5	1286
3.5	434	217.8	4.1	1425
4	477	223.1	4.7	1563
4.5	519	228.3	5	1702
5	561	232.8	5.4	1840
5.5	610	233.2	5.6	2001
6	659	233.6	5.8	2162
6.5	708	235.7	5.9	2323
7	757	237.8	6	2484
7.5	807	240.2	6.1	2646
8	856	242.4	6.3	2807
8.5	905	241.9	6.4	2968
9	954	241.4	6.5	3129
9.5	1003	239.9	6.1	3290
10	1055	238.1	5.7	3459
10.5	1106	238.8	5.5	3627
11	1157	239.6	5.3	3796
11.5	1209	242.4	5.5	3965
12	1260	245	5.8	4133
12.5	1312	247.3	5.8	4302
13	1363	249.6	5.9	4471
13.5	1415	250	6	4640
14	1466	250.3	6.2	4808
14.5	1517	252.2	6.4	4977
15	1569	253.9	6.6	5145
15.5	1620	256.5	6.7	5312
16	1670	259.1	6.8	5478
16.5	1721	260.9	6.7	5645
17	1772	262.7	6.6	5812
17.5	1823	265.3	6.4	5979
18	1874	268.1	6.2	6146
18.5	1925	269.5	6.1	6313
19	1976	270.9	6.1	6480
19.5	2028	272.3	6.1	6652
20	2083	273.6	6.2	6832
20.5	2138	274.7	6.3	7013
21	2193	275.8	6.4	7193
21.5	2248	277.6	6.2	7373
22	2303	279.5	6	7554
22.5	2358	283.5	5.9	7734

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800719	1300	47194	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	83	166.7	4.7	272
1	169	169.9	4.5	555
1.5	258	181.7	4	846
2	347	195.7	3.8	1138
2.5	436	221.8	4.4	1429
3	524	239.2	5.6	1720
3.5	613	243.2	6.6	2011
4	702	246.1	7.6	2302
4.5	791	244.8	7.7	2594
5	880	243.5	7.9	2885
5.5	951	243.3	7.8	3119
6	1011	243.1	7.8	3315
6.5	1070	242.9	7.9	3511
7	1130	242.7	8	3707
7.5	1190	242.1	8	3904
8	1250	241.5	8	4100
8.5	1310	240.3	7.6	4296
9	1370	238.9	7.2	4492
9.5	1429	238.3	7	4688
10	1489	237.7	6.9	4884
10.5	1559	239.2	6.9	5114
11	1645	240.6	7	5395
11.5	1730	244.8	7.1	5675
12	1816	248.9	7.3	5955
12.5	1901	254.5	7.5	6236
13	1987	259.7	7.8	6516
13.5	2072	263.5	8.4	6797
14	2158	266.8	9	7077
14.5	2243	268.8	9.6	7357
15	2329	270.5	10.3	7638
15.5	2414	272.4	10.5	7918
16	2500	274.2	10.7	8199
16.5	2591	275.6	10.9	8498
17	2706	277	11.1	8876
17.5	2821	278.3	10.9	9253
18	2936	279.7	10.8	9630
18.5	3051	283.4	10.6	10007
19	3163	287.2	10.4	10375
19.5	3264	290.8	10.7	10707
20	3365	294.1	11.1	11038

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800720	505	47201	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	94	239.7	7.8	309
1	166	249.1	9.6	544
1.5	232	254.8	10.9	762
2	298	259.2	12.2	979
2.5	363	261.9	11.9	1189
3	425	264.7	11.6	1394
3.5	487	264.7	11.3	1598
4	555	264.8	11	1820
4.5	625	263.3	11.3	2049
5	694	261.8	11.6	2277
5.5	764	261.2	10.8	2506
6	828	260.6	10	2717
6.5	892	258.6	9.3	2926
7	956	256.2	8.6	3136
7.5	1021	253.2	8.5	3349
8	1086	250.1	8.5	3562
8.5	1151	249.5	8.2	3775
9	1217	248.9	7.9	3993
9.5	1284	251	7.8	4213
10	1352	253.2	7.8	4434
10.5	1419	259.4	7.3	4654
11	1492	266.4	6.9	4894
11.5	1563	271.6	6.6	5126
12	1629	277.2	6.4	5344
12.5	1696	277.8	6.4	5563
13	1762	278.3	6.5	5778
13.5	1825	279	6.5	5987
14	1889	279.7	6.5	6197
14.5	1953	278.9	6.8	6406
15	2017	278.2	7.1	6616
15.5	2073	280.9	7.7	6798
16	2128	283.2	8.4	6981
16.5	2184	284.6	9.3	7164
17	2241	285.8	10.2	7350
17.5	2300	285.2	10.7	7544
18	2359	284.7	11.2	7739
18.5	2419	284	10.9	7933
19	2478	283.3	10.6	8127
19.5	2537	281.6	10.6	8322
20	2596	279.9	10.6	8516
20.5	2656	279.7	11	8711
21	2715	279.6	11.4	8905
21.5	2771	281.2	11.6	9088
22	2826	282.7	11.8	9270

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800720	700	47202	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	119	249.6	5.9	390
1	223	254.3	8.6	731
1.5	310	256.9	10	1017
2	373	258.9	11.5	1224
2.5	436	261.1	11.4	1431
3	499	263.3	11.3	1637
3.5	562	264.8	11	1842
4	623	266.3	10.7	2043
4.5	684	265.2	10.4	2244
5	745	264	10.2	2445
5.5	807	262.3	9.8	2646
6	868	260.5	9.5	2847
6.5	929	258.2	9.3	3048
7	991	255.8	9.2	3249
7.5	1052	253.4	9.1	3450
8	1113	250.9	9	3651
8.5	1188	252.6	8.8	3897
9	1263	254.3	8.6	4144
9.5	1338	258.6	8.4	4390
10	1414	263	8.3	4637
10.5	1489	267.7	8	4883
11	1563	272.7	7.8	5125
11.5	1629	274.9	7.4	5344
12	1696	277.3	7	5563
12.5	1763	275.4	6.6	5783
13	1835	273.3	6.3	6020
13.5	1907	273	6.9	6256
14	1980	272.8	7.6	6493
14.5	2052	279	8.4	6730
15	2124	284.1	9.3	6967
15.5	2199	290.3	9.7	7213
16	2276	296	10.2	7465
16.5	2353	298.9	11	7717
17	2430	301.4	11.8	7969
17.5	2506	301.3	12.4	8221
18	2583	301.2	13	8473
18.5	2660	299.6	13	8726
19	2735	298.1	13	8971
19.5	2809	297.3	13.1	9213
20	2883	296.6	13.3	9455
20.5	2956	295.7	13.3	9696
21	3030	294.8	13.4	9938
21.5	3104	291.9	13.2	10180
22	3177	289	13.1	10421

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800720	908	47203	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	46	242.3	3.9	152
1	92	235.7	4	303
1.5	145	233.7	4.2	475
2	201	231.8	4.4	659
2.5	257	236.6	4.3	843
3	313	241.6	4.2	1028
3.5	364	249.5	4.4	1194
4	406	256.8	4.6	1333
4.5	449	260.3	5.6	1473
5	491	262.7	6.6	1609
5.5	532	261.7	7.2	1746
6	574	260.8	7.9	1882
6.5	616	259	8.4	2019
7	657	257.5	9	2155
7.5	703	256.4	9.4	2306
8	749	255.4	9.8	2458
8.5	795	253.9	9.9	2609
9	842	252.4	10.1	2761
9.5	888	252	10.1	2912
10	934	251.7	10.2	3064
10.5	980	251.9	10.1	3214
11	1025	252.2	10	3361
11.5	1070	252.7	10	3508
12	1114	253.1	10.1	3654
12.5	1159	253.3	9.8	3801
13	1204	253.5	9.6	3948
13.5	1248	253.4	9.4	4095
14	1293	253.2	9.3	4242
14.5	1338	253.7	9.3	4389
15	1389	254.1	9.4	4555
15.5	1444	254.8	9.2	4735
16	1498	255.6	9	4914
16.5	1550	256.4	8.8	5084
17	1591	257.3	8.7	5217
17.5	1631	260.3	8.9	5350
18	1672	263.1	9.1	5483
18.5	1716	267.2	9.2	5628
19	1762	271.1	9.4	5779
19.5	1808	273.2	9.5	5931
20	1854	275.3	9.7	6082
20.5	1901	277.6	9.6	6234
21	1947	279.9	9.6	6386
21.5	1993	282.8	9.3	6537
22	2039	285.9	9	6689
22.5	2084	288.1	8.9	6835

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800721	508	47211	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	124	249.6	8.2	407
1	212	262.6	12.2	694
1.5	299	266.6	14.1	981
2	372	269.7	16.1	1220
2.5	435	269.8	15.8	1428
3	500	269.9	15.6	1641
3.5	571	270.2	15.5	1874
4	642	270.5	15.5	2106
4.5	713	270	15.4	2339
5	784	269.5	15.3	2572
5.5	854	269	15	2801
6	919	268.5	14.7	3015
6.5	984	269.9	14.1	3229
7	1050	271.4	13.5	3444
7.5	1115	272.2	13.2	3658
8	1180	273.1	13	3872
8.5	1246	272.3	13.1	4086
9	1311	271.6	13.2	4300
9.5	1377	269.6	12.8	4517
10	1444	267.4	12.4	4736
10.5	1511	264.4	12.3	4955
11	1579	261.3	12.3	5180
11.5	1648	260	12.5	5404
12	1716	258.8	12.8	5629
12.5	1784	258.7	12.6	5853
13	1853	258.6	12.4	6078
13.5	1921	258.5	12.1	6302
14	1990	258.3	11.8	6527
14.5	2058	258.8	11.2	6751
15	2127	259.3	10.6	6978
15.5	2201	261.1	10	7218
16	2273	263.1	9.4	7457
16.5	2346	264.4	9.7	7696
17	2419	265.7	10.1	7935
17.5	2492	266.8	10.4	8174
18	2565	267.9	10.7	8413
18.5	2638	270.5	10.2	8652
19	2713	273.4	9.8	8897
19.5	2788	273.9	9.7	9145
20	2864	274.5	9.6	9393
20.5	2939	274.8	9.7	9641
21	3015	275.1	9.9	9889
21.5	3085	277.2	9.9	10120
22	3156	279.4	9.9	10352
22.5	3232	278.9	9.9	10600
23	[illegible]	[illegible]	[illegible]	10848

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800721	700	47212	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	83	257.8	8.1	271
1	180	279.7	8.6	589
1.5	276	292	9.8	906
2	358	301.4	11.3	1175
2.5	430	305	11.9	1411
3	505	308.3	12.5	1655
3.5	581	304.5	12.6	1907
4	660	300.8	12.7	2165
4.5	739	293.4	12.6	2423
5	813	286	12.8	2667
5.5	885	284	12.8	2902
6	956	282	12.8	3137
6.5	1028	279.2	12.8	3373
7	1100	276.4	12.9	3608
7.5	1171	272.8	12.9	3842
8	1242	269.2	12.9	4073
8.5	1313	269.1	13	4305
9	1383	269.1	13.1	4537
9.5	1454	271.1	12.9	4769
10	1531	273.2	12.8	5021
10.5	1609	272	12.5	5279
11	1688	270.8	12.3	5536
11.5	1766	268.4	12.5	5791
12	1842	266	12.7	6042
12.5	1918	268	12.6	6292
13	1995	270	12.5	6543
13.5	2071	267.6	12.6	6793
14	2152	265.3	12.8	7057
14.5	2238	262.3	12.6	7339
15	2324	259.3	12.4	7622
15.5	2410	260	11.4	7905
16	2479	260.8	10.5	8132
16.5	2548	259.9	10.3	8359
17	2618	259	10.1	8586
17.5	2687	259.9	10.2	8813
18	2768	260.8	10.3	9079

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
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LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800721	900	47213	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	101	245.4	4.6	331
1	209	270.3	5.3	686
1.5	302	282.2	5.8	989
2	370	291.8	6.6	1215
2.5	439	296.3	6.6	1441
3	514	300.8	6.6	1687
3.5	592	303.4	6.9	1942
4	670	305.8	7.2	2198
4.5	748	308.1	7.6	2455
5	827	310.2	8.1	2711
5.5	905	311.1	8	2968
6	983	312.1	8	3224
6.5	1061	310.2	7.6	3481
7	1139	308.2	7.3	3737
7.5	1218	306.4	7.2	3994
8	1296	304.6	7.2	4251
8.5	1374	304.6	7.2	4507
9	1452	304.6	7.2	4764
9.5	1516	299.3	7.3	4972
10	1586	294.3	7.5	5202
10.5	1671	286	8.2	5481
11	1756	279.1	9	5760
11.5	1827	274.8	9.4	5994
12	1899	270.8	9.9	6229
12.5	1971	269	10.1	6464
13	2042	267.3	10.3	6699
13.5	2114	265.6	10.6	6934
14	2186	264	11	7169
14.5	2257	260.3	11.1	7403
15	2328	256.6	11.3	7636
15.5	2399	253.6	11.3	7870
16	2470	250.6	11.3	8102
16.5	2541	248.4	11.4	8333
17	2611	246.2	11.5	8565
17.5	2682	244.3	11.3	8796
18	2752	242.4	11.1	9027
18.5	2820	242.1	10.9	9248
19	2887	241.8	10.8	9470
19.5	2955	240.6	10.8	9692
20	3023	239.4	10.9	9914
20.5	3070	238.9	10.8	10069
21	3112	238.4	10.8	10207
21.5	3209	237.6	10.6	10524

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800721	1312	47214	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	79	222.6	4.4	259
1	145	219.5	3.8	475
1.5	211	219	3.6	691
2	298	218.5	3.5	976
2.5	399	220	3.2	1308
3	500	221.7	3	1640
3.5	601	224	2.6	1972
4	702	227.2	2.2	2304
4.5	805	235.8	2	2640
5	910	245.7	1.9	2984
5.5	1014	256.4	1.7	3327
6	1119	269.2	1.6	3671
6.5	1224	265.9	2.1	4015
7	1306	264	2.7	4285
7.5	1383	262.8	3.3	4536
8	1462	261.9	3.9	4795
8.5	1548	267.7	4.5	5078
9	1649	272	5.2	5409
9.5	1750	276	5.6	5740
10	1848	279.5	6	6060
10.5	1945	274.7	6.3	6380
11	1988	270.4	6.6	6519
11.5	2038	268	7.4	6684
12	2095	266	8.2	6872
12.5	2160	267.9	9.5	7085
13	2225	269.4	10.8	7297
13.5	2290	267.9	10.6	7510
14	2355	266.4	10.4	7723
14.5	2420	262.7	9.7	7936
15	2484	258.5	9.1	8149
15.5	2549	255.8	10.3	8362
16	2614	253.7	11.5	8575
16.5	2679	250.9	12	8788
17	2744	248.4	12.5	9001
17.5	2809	248.2	12.3	9214
18	2874	248	12.2	9427
18.5	2939	248.9	12	9640
19	3004	249.8	11.9	9853
19.5	3069	249.7	12.1	10066
20	3129	249.6	12.3	10264
20.5	3188	250.5	12.4	10458

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800722	502	47221	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	123	216.1	5.9	402
1	214	225.1	6	702
1.5	288	231.9	6	943
2	359	238.5	6.1	1178
2.5	431	241.4	6.6	1413
3	502	243.9	7.2	1648
3.5	574	241.3	7.5	1884
4	646	238.9	7.9	2119
4.5	718	237.4	7.8	2354
5	789	235.8	7.7	2587
5.5	858	236	8	2813
6	927	236.1	8.4	3039
6.5	995	236.4	8.9	3264
7	1064	236.7	9.5	3490
7.5	1133	237.2	10	3716
8	1202	237.7	10.5	3942
8.5	1269	237.6	10.6	4163
9	1335	237.5	10.8	4380
9.5	1401	235	11.4	4596
10	1467	232.7	12.1	4812
10.5	1529	231.6	12.4	5015
11	1585	230.6	12.7	5198
11.5	1638	232.4	12.9	5374
12	1691	234.2	13.2	5545
12.5	1742	236.5	13.9	5713
13	1791	238.5	14.6	5875
13.5	1841	240.1	15.3	6037
14	1900	241.5	16	6232
14.5	1984	242.9	16.4	6506
15	2061	244.3	16.9	6760
15.5	2134	247.3	16.7	7000
16	2207	250.3	16.6	7240
16.5	2280	250.7	16.5	7480
17	2354	251.2	16.4	7720
17.5	2427	250.7	16.5	7960
18	2500	250.3	16.6	8199
18.5	2573	250.5	16.5	8439
19	2651	250.7	16.5	8695
19.5	2726	251.7	16.5	8940
20	2789	252.7	16.5	9147
20.5	2852	252.9	16.7	9355
21	2915	253.1	17	9562
21.5	2979	253.8	17	9770
22	3042	254.6	17	9977
22.5	3105	256.1	17	10184
23	31[illegible]	257.6	17	10378
23.5	3[illegible]	258.9	[illegible]	10573

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800722	703	47222	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	73	245	6.3	240
1	150	244.9	6.7	493
1.5	227	242.3	7.3	746
2	305	240.2	8	999
2.5	382	239.9	9.3	1252
3	449	239.6	10.6	1473
3.5	514	241.2	12	1686
4	579	242.5	13.5	1899
4.5	642	243.7	14.3	2106
5	704	244.8	15.1	2309
5.5	766	245	15.2	2513
6	828	245.2	15.4	2716
6.5	890	244.6	15.3	2919
7	952	243.9	15.3	3122
7.5	1014	244.3	15	3325
8	1076	244.8	14.7	3528
8.5	1138	244.7	14.2	3732
9	1200	244.6	13.7	3935
9.5	1262	242	13.4	4138
10	1323	239.2	13.2	4341
10.5	1385	238.7	13.1	4544
11	1447	238.1	13	4747
11.5	1508	241	12.5	4947
12	1570	244.2	12.1	5148
12.5	1630	246.2	10.8	5348
13	1692	248.8	9.5	5549
13.5	1753	252.6	10	5749
14	1814	256.1	10.6	5950
14.5	1869	256.3	11.4	6131
15	1925	256.4	12.2	6313
15.5	1986	255.1	11.8	6514
16	2070	253.7	11.5	6790
16.5	2144	252	12	7033
17	2219	250.5	12.5	7277
17.5	2293	246.5	12.9	7521
18	2362	242.7	13.3	7747
18.5	2431	241.1	13.5	7973
19	2499	239.6	13.8	8198
19.5	2568	241.7	13.7	8424
20	2637	243.9	13.6	8650
20.5	2706	245.5	13.3	8875
21	2778	247.2	13.1	9113
21.5	2865	245.5	13.1	9397
22	2958	243.9	13.2	9702

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800722	900	47223	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	13	267.7	4.6	43
1	289	249.1	5.7	947
1.5	565	245	7.4	1852
2	778	242.5	9.2	2552
2.5	865	244.8	10.2	2838
3	931	246.6	11.2	3054
3.5	1002	245	10.9	3285
4	1072	243.3	10.7	3516
4.5	1171	239.9	10.7	3841
5	1270	236.6	10.8	4165
5.5	1369	234.9	10.9	4489
6	1467	233.2	11.1	4811
6.5	1564	233.6	11.5	5130
7	1661	234	12	5448
7.5	1745	235.5	12.7	5723
8	1829	236.8	13.4	5999
8.5	1913	238.1	13.8	6274
9	1996	239.3	14.3	6547
9.5	2077	241.5	14.5	6813
10	2158	243.7	14.7	7078
10.5	2239	245.3	14.5	7344
11	2323	246.9	14.4	7620
11.5	2408	247.1	14.5	7897
12	2492	247.3	14.7	8173
12.5	2576	247.2	15.1	8449
13	2694	247.1	15.6	8836
13.5	2812	247.5	15.7	9223
14	2886	247.9	15.8	9467
14.5	2961	247.6	15.8	9712
15	3035	247.4	15.9	9956
15.5	3119	247.1	16.1	10230
16	3209	246.8	16.3	10526

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800722	1300	47224	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	124	236.7	6.4	407
1	305	232.8	5.4	999
1.5	485	238.6	5	1592
2	666	245.4	4.6	2184
2.5	846	245.2	5	2776
3	1027	245.1	5.4	3369
3.5	1142	239.8	6.1	3746
4	1257	235.6	6.8	4123
4.5	1415	238.7	7.9	4640
5	1547	241	9	5074
5.5	1642	242.8	10.5	5386
6	1737	244.2	12.1	5697
6.5	1832	245.6	12.9	6009
7	1927	246.8	13.8	6321
7.5	2022	246.4	13.7	6632
8	2117	245.9	13.6	6944
8.5	2212	243.8	13.5	7255
9	2307	241.7	13.5	7567
9.5	2402	241.6	13.8	7879
10	2474	241.6	14.2	8115
10.5	2540	242.6	14.6	8332
11	2606	243.5	15	8549
11.5	2673	244.4	14.8	8766
12	2739	245.3	14.6	8983
12.5	2805	246.4	14.7	9200
13	2871	247.5	14.9	9417
13.5	2937	247.5	15.7	9634
14	3031	247.5	16.5	9943
14.5	3138	246.7	16.5	10293
15	3227	245.9	16.5	10584

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800724	512	47241	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	114	8.7	7.5	374
1	202	21.1	8.5	663
1.5	297	24.7	9.2	975
2	397	27.7	10	1302
2.5	497	24.4	9.6	1630
3	595	20.9	9.2	1951
3.5	674	16.5	8.4	2211
4	752	11.1	7.6	2467
4.5	832	7.7	7.3	2728
5	914	4	7	2998
5.5	998	2.1	6.4	3274
6	1083	359.8	5.9	3551
6.5	1167	354.7	5.4	3828
7	1251	348.6	5	4104
7.5	1336	342.6	5.1	4381
8	1419	336.9	5.3	4654
8.5	1498	332.9	5.4	4913
9	1583	329.1	5.5	5192
9.5	1668	324.2	5.3	5471
10	1746	319	5.2	5728
10.5	1833	317.5	5.2	6012
11	1921	316	5.2	6300
11.5	2007	318.3	5.2	6583
12	2093	320.5	5.3	6866
12.5	2180	319	5.3	7149
13	2266	317.5	5.3	7433
13.5	2352	315.4	5.4	7716
14	2450	313.4	5.6	8037
14.5	2556	306	6.1	8383
15	2658	299.9	6.7	8717
15.5	2745	291.5	7.3	9004
16	2828	284.4	8	9276
16.5	2909	282.3	7.9	9540
17	2988	280.2	7.9	9799
17.5	3065	282.5	7.4	10053
18	3151	285.1	6.9	10335
18.5	0	282	7.3	0
19	0	279.3	7.7	0
19.5	0	277.6	9	0
20	0	276.3	10.3	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800724	700	407242	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	141	15.1	5.9	462
1	257	25.2	8.5	843
1.5	389	25.2	9.7	1276
2	462	25.2	10.9	1514
2.5	534	22.7	10.1	1752
3	610	19.9	9.4	2001
3.5	686	19.6	8.5	2251
4	763	19.2	7.6	2501
4.5	839	18.6	7.4	2751
5	915	18	7.2	3001
5.5	991	16.2	7.2	3250
6	1067	14.3	7.2	3501
6.5	1144	10.3	6.9	3751
7	1220	5.9	6.6	4001
7.5	1296	3.4	6.4	4251
8	1373	.7	6.2	4502
8.5	1449	356.8	6.1	4752
9	1525	352.9	6.1	5002
9.5	1597	345.6	6.3	5238
10	1669	338.7	6.5	5473
10.5	1741	330.5	6.5	5709
11	1820	322.5	6.7	5971
11.5	1902	315.4	6.8	6240
12	1984	308.6	6.9	6509
12.5	2066	309	6.7	6778
13	2148	309.4	6.6	7046
13.5	2230	310.9	6.3	7315
14	2310	312.5	6	7578
14.5	2389	312	6.1	7836
15	2468	311.5	6.3	8096
15.5	2549	308.7	6.5	8362
16	2631	306.1	6.8	8629
16.5	2705	302.2	6.6	8871
17	2784	298.1	6.5	9131
17.5	2873	293.9	6.3	9424
18	2963	289.5	6.1	9717
18.5	3047	283.5	6.1	9994
19	3124	277.6	6.2	10247
19.5	3228	276.8	6.2	10588
20	0	276.1	6.2	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800724	900	407243	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	118	11.6	5.5	388
1	250	15.1	5.9	819
1.5	384	16	6.4	1261
2	519	16.7	7	1703
2.5	645	15	7.3	2116
3	736	13.5	7.7	2413
3.5	826	12.5	8	2709
4	883	11.6	8.3	2896
4.5	955	11.4	7.9	3131
5	1026	11.1	7.6	3365
5.5	1098	8.6	7	3600
6	1169	5.6	6.4	3834
6.5	1250	359.9	6.2	4100
7	1331	353.9	6	4367
7.5	1413	349.4	6.2	4633
8	1494	345.3	6.5	4899
8.5	1577	344.7	6.8	5173
9	1662	344.1	7.1	5451
9.5	1747	338.9	7	5730
10	1827	333.7	7	5993
10.5	1906	330.8	7	6252
11	1976	328	7	6481
11.5	2046	327.5	6.9	6711
12	2116	327	6.9	6940
12.5	2186	321.7	7.2	7170
13	2253	316.9	7.5	7390
13.5	2318	311.5	7.9	7603
14	2383	306.7	8.4	7816
14.5	2443	300.2	8.3	8013
15	2513	293.6	8.3	8243
15.5	2583	289.8	7.7	8472
16	2650	285.4	7.2	8691
16.5	2703	288.3	6.7	8866
17	2795	291.7	6.3	9168
17.5	2875	298	6.9	9431
18	2948	303.3	7.6	9668
18.5	3020	306.8	8.1	9907
19	3094	309.8	8.6	10147
19.5	3170	313.8	7.6	10397
20	3248	319	6.6	10653
20.5	0	322.9	6	0
21	0	327.5	5.5	0
21.5	0	327.5	5.5	0
22	0	327.5	5.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800724	1300	407244	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	108	43.3	3.6	355
1	197	42.6	3.3	645
1.5	280	38.1	3.5	919
2	363	34.2	3.8	1192
2.5	447	27.2	4.3	1466
3	530	21.7	4.8	1739
3.5	613	18.9	5	2012
4	697	16.3	5.2	2286
4.5	780	16.2	4.9	2559
5	864	16.1	4.7	2833
5.5	951	8.7	4.3	3120
6	1042	0	4	3417
6.5	1131	354.7	3.9	3710
7	1219	349.2	3.8	3998
7.5	1306	349.2	3.8	4285
8	1394	349.2	3.8	4573
8.5	1482	344.5	4.3	4861
9	1577	340.8	4.8	5173
9.5	1677	338.2	5	5501
10	1756	335.8	5.2	5761
10.5	1857	330.9	5	6091
11	1913	325.5	4.8	6274
11.5	1981	324.6	5.6	6499
12	2050	323.9	6.4	6725
12.5	2138	327.7	7.6	7014
13	2220	330.5	8.9	7280
13.5	2302	328.7	9.3	7551
14	2385	327	9.8	7822
14.5	2467	318.6	9.7	8093
15	2539	310.2	9.9	8327
15.5	2601	314.8	10.4	8530
16	2646	319	10.9	8678
16.5	2699	327.1	10.7	8854
17	2753	335.2	10.8	9031
17.5	2807	334.4	9.7	9207
18	2884	333.5	8.7	9460
18.5	2961	331.1	8.4	9712
19	3038	328.6	8.2	9965
19.5	3115	324.2	8.2	10217
20	3192	319.9	8.3	10470
20.5	0	318.5	8.4	0
21	0	317.2	8.6	0
21.5	0	318.6	8.8	0
22	0	319.9	9	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800725	500	407251	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	83	328.8	4.8	272
1	138	341.4	5.4	453
1.5	192	342.8	5.4	631
2	245	344.1	5.5	805
2.5	298	339.9	5.2	979
3	359	335.1	4.9	1179
3.5	422	332	4.8	1385
4	485	328.8	4.8	1591
4.5	548	327	4.9	1798
5	611	325.3	5	2004
5.5	674	323.9	5.5	2210
6	737	322.8	6.1	2417
6.5	800	321.4	6.5	2623
7	863	320.1	7	2829
7.5	926	323.9	7.2	3036
8	988	327.4	7.5	3242
8.5	1045	332.5	7.6	3429
9	1101	337.5	7.8	3612
9.5	1157	339	7.8	3794
10	1212	340.6	7.8	3976
10.5	1268	341.3	7.9	4159
11	1324	342	8.1	4342
11.5	1380	342.6	8	4527
12	1437	343.2	8	4712
12.5	1493	341.1	8	4898
13	1550	339	8	5083
13.5	1610	336.9	8	5282
14	1672	334.8	8	5483
14.5	1733	332.4	8.2	5685
15	1795	330.2	8.5	5887
15.5	1856	330.9	8.6	6089
16	1918	331.5	8.8	6291
16.5	1979	333	8.7	6492
17	2041	334.6	8.7	6694
17.5	2102	336.2	8.6	6896
18	2164	337.8	8.5	7098
18.5	2219	338	8.2	7278
19	2273	338.3	7.9	7454
19.5	2340	329.9	7.6	7674
20	2403	321.1	7.5	7881
20.5	2466	322.1	7.6	8087
21	2528	323	7.8	8293
21.5	2591	325.9	8	8498
22	2653	328.6	8.2	8703

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800725	700	47252	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	109	.7	4.1	358
1	183	351.4	5.1	600
1.5	258	345.2	6.2	845
2	332	340.9	7.3	1089
2.5	402	336.5	7.7	1317
3	470	332.6	8.2	1541
3.5	538	326.9	8.1	1765
4	606	321	8	1989
4.5	675	320	8	2213
5	743	319	8	2437
5.5	811	320.1	7.4	2661
6	880	321.3	6.9	2885
6.5	948	323.1	6.7	3109
7	1026	325	6.5	3366
7.5	1104	327.2	6.7	3622
8	1182	329.3	6.9	3878
8.5	1260	327.4	7	4134
9	1339	325.6	7.1	4391
9.5	1417	322.8	7.2	4647
10	1495	320.1	7.4	4903
10.5	1573	315.9	7.4	5159
11	1649	311.7	7.5	5410
11.5	1726	311.5	7.8	5660
12	1802	311.3	8.1	5911
12.5	1878	314.6	8.1	6161
13	1955	318	8.1	6412
13.5	2038	320.5	7.6	6684
14	2120	323.4	7.1	6955
14.5	2186	324.2	6.7	7171
15	2249	325.2	6.3	7378
15.5	2310	323.9	6.4	7578
16	2384	322.6	6.5	7819
16.5	2457	325.3	7.5	8060
17	2531	327.3	8.5	8302
17.5	2605	328.9	9.2	8543
18	2678	330.2	9.9	8784
18.5	2752	329.3	9.5	9025
19	2825	328.4	9.2	9266
19.5	2898	330.7	9.1	9507
20	2974	333	9.1	9756
20.5	3052	335	9.2	10009
21	3129	337	9.3	10262
21.5	3203	336.5	9.1	10505
22	3272	336	8.9	10732
22.5	3341	334.8	8.8	10959

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800725	900	47253	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	185	309.4	1.6	607
1	287	314.8	3.8	941
1.5	420	313.1	4.6	1379
2	498	311.9	5.5	1633
2.5	579	314.6	5.4	1899
3	663	317.5	5.3	2173
3.5	756	319.7	5.4	2479
4	849	321.8	5.5	2784
4.5	942	315.5	5.6	3089
5	1040	309.4	5.7	3412
5.5	1142	301.6	5.7	3746
6	1244	294	5.8	4080
6.5	1346	291.3	6	4414
7	1448	288.8	6.3	4748
7.5	1517	293.5	6.4	4977
8	1579	298.1	6.5	5179
8.5	1682	306.1	6.4	5517
9	1785	314.1	6.5	5855
9.5	1888	317.7	6.1	6193
10	1991	321.8	5.7	6530
10.5	2087	319.7	5.5	6845
11	2183	317.5	5.3	7160
11.5	2273	320.3	6.1	7454
12	2357	322.4	6.9	7730
12.5	2436	323.2	7.5	7989
13	2514	323.8	8.1	8246
13.5	2592	323.7	8.2	8503
14	2671	323.7	8.3	8760
14.5	2749	323.2	8.3	9017
15	2827	322.8	8.4	9274

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800725	1300	47254	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	125	253.9	6.6	410
1	261	250.3	6.2	857
1.5	405	251.7	5.1	1329
2	549	253.7	4.1	1801
2.5	693	260.5	3.6	2274
3	837	269.2	3.2	2746
3.5	981	267.5	3.6	3218
4	1106	266.1	4	3627
4.5	1230	265.9	4.5	4036
5	1355	265.7	5	4446
5.5	1480	264.8	5.4	4855
6	1605	264	5.9	5264
6.5	1728	261.1	5.8	5669
7	1852	258.2	5.8	6075
7.5	1990	269.4	6.2	6526
8	2151	278.9	6.8	7054
8.5	2278	290.1	7.8	7473
9	2359	298.5	9	7739
9.5	2436	299.4	9.2	7991
10	2510	300.3	9.4	8234
10.5	2584	300.6	9.3	8477
11	2665	300.9	9.2	8742
11.5	2751	301.9	9.2	9023
12	2837	302.8	9.3	9304
12.5	2922	303.1	9.2	9585
13	3008	303.4	9.2	9865
13.5	3093	304.7	9.2	10146
14	3179	306	9.2	10427
14.5	3259	305.6	9.2	10688
15	3337	305.3	9.3	10945
15.5	3415	305.2	9.2	11202
16	0	305.1	9.1	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800728	500	47281	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	120	130.7	7.6	394
1	236	147.7	9.9	774
1.5	314	152	10	1030
2	398	156.3	10.1	1304
2.5	490	158.1	9.2	1607
3	583	160.4	8.3	1913
3.5	701	163.3	9	2298
4	812	165.8	9.7	2664
4.5	895	165.3	9.4	2935
5	1001	164.7	9.2	3284
5.5	1108	162.8	8.5	3634
6	1215	160.6	7.8	3984
6.5	1330	156.9	7.3	4362
7	1408	152.8	6.9	4618
7.5	1486	155.2	6.6	4874
8	1593	157.8	6.4	5224
8.5	1690	166.8	6.8	5543
9	1785	174.6	7.3	5854
9.5	1880	178.7	7.4	6165
10	1974	182.7	7.5	6476
10.5	2122	181.8	7.1	6960
11	2293	180.9	6.8	7521
11.5	2384	172.2	8.3	7818
12	2480	166.3	9.9	8134
12.5	2585	161.9	11.7	8479
13	2689	158.6	13.5	8819
13.5	2801	156.3	12.2	9186
14	2913	153.5	10.9	9553
14.5	3010	160.3	10.4	9872
15	3101	167.7	10	10170
15.5	3191	172.8	10.2	10468

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800728	1300	47284	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	86	137.1	8.4	283
1	215	141.7	8.8	704
1.5	293	142.9	9.1	960
2	361	144	9.4	1183
2.5	428	141.5	9.5	1405
3	481	139	9.6	1579
3.5	530	139.8	9.5	1739
4	579	140.7	9.4	1900
4.5	649	143.8	9	2130
5	734	147.2	8.7	2407
5.5	818	147.6	8.2	2683
6	902	148.1	7.8	2959
6.5	986	150.6	7.5	3235
7	1070	153.4	7.2	3511
7.5	1161	157.4	6.9	3807
8	1259	161.8	6.7	4131
8.5	1352	165	6.8	4435
9	1432	168.1	7	4696
9.5	1500	167.8	6.8	4919
10	1568	167.5	6.6	5143
10.5	1627	167.8	6.5	5338
11	1687	168.2	6.5	5533
11.5	1755	172.1	6.7	5758
12	1826	175.8	6.9	5990
12.5	1898	177.2	6.9	6225
13	1963	178.6	6.9	6437
13.5	2027	179.2	7.3	6648
14	2092	179.7	7.8	6862
14.5	2162	179	8	7092
15	2233	178.4	8.2	7323
15.5	2303	175.9	8.1	7553
16	2373	173.3	8	7783
16.5	2448	175.6	8.6	8029
17	2524	177.6	9.2	8278
17.5	2600	179	9.6	8528
18	2668	180.2	10	8752
18.5	2736	177.1	9.9	8975
19	2798	174	9.8	9177
19.5	2853	174.3	10.6	9359
20	2922	174.6	11.5	9584
20.5	2989	173.7	11.6	9805
21	3051	172.8	11.8	10007
21.5	3130	170.1	10.6	10266
22	3218	166.7	9.4	10554

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800731	500	47311	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	83	4.8	5.4	273
1	160	13.5	5.9	526
1.5	213	17.2	5.7	699
2	281	21.1	5.6	923
2.5	350	18	4.6	1148
3	418	13.3	3.7	1372
3.5	487	359.2	3.1	1596
4	555	339.7	2.7	1821
4.5	623	322.8	3	2045
5	692	309.9	3.5	2270
5.5	760	303.7	3.9	2493
6	828	298.8	4.4	2717
6.5	896	297	4.6	2940
7	964	295.3	4.8	3163
7.5	1033	289.4	5.3	3387
8	1101	284.6	5.8	3610
8.5	1169	283	6.3	3833
9	1237	281.6	6.8	4057
9.5	1305	281.9	6.9	4280
10	1374	282.1	7.1	4507
10.5	1445	279.1	7.6	4738
11	1515	276.5	8.1	4969
11.5	1593	276.6	8.4	5225
12	1676	276.6	8.7	5498
12.5	1759	277.1	8.7	5771
13	1842	277.6	8.7	6043
13.5	1924	279.8	9.1	6310
14	2006	281.8	9.5	6579
14.5	2084	281.9	10.2	6834
15	2145	281.9	10.9	7036
15.5	2207	278.9	11.3	7238
16	2268	276.2	11.7	7440
16.5	2330	275.2	11.6	7641
17	2396	274.1	11.6	7860
17.5	2464	274.2	11.5	8083
18	2532	274.3	11.5	8305
18.5	2600	273.3	11.3	8528
19	2671	272.3	11.1	8760
19.5	2745	271.3	10.3	9002
20	2822	270.2	9.5	9256
20.5	2902	269	9.2	9517
21	2975	267.7	9	9759
21.5	3049	267.2	9.1	10002
22	3123	266.7	9.2	10245
22.5	3201	264.9	9	10500
23	3282	263.1	8.9	10765

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800731	700	47312	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	190	22.8	3.7	622
1	357	24.9	2.6	1171
1.5	551	4.8	1.3	1806
2	729	282.5	.9	2390
2.5	904	265.8	2.3	2964
3	1126	261.8	3.7	3694
3.5	1299	265.9	4.4	4262
4	1453	268.9	5.2	4766
4.5	1642	273.6	6.5	5385
5	1827	276.7	7.9	5993
5.5	1998	279.8	9.1	6553
6	2180	282.2	10.3	7149
6.5	2317	280.1	10.2	7599
7	2454	278	10.2	8048
7.5	2591	276	10.5	8497
8	2728	274.1	10.9	8947
8.5	2865	274.1	10.9	9396
9	3002	274.1	10.9	9845
9.5	3139	271.6	10.6	10295
10	0	268.9	10.4	0
10.5	0	268.8	10.5	0
11	0	268.7	10.7	0
11.5	0	269.9	10.7	0
12	0	271.1	10.7	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
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SITE NO. :4
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LONGITUDE :74 17
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PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800731	900	47313	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	120	59.2	1.4	394
1	257	91.5	1.1	843
1.5	395	152.2	.6	1294
2	555	205.3	1.2	1820
2.5	721	252.9	1.9	2365
3	845	269.5	3.1	2772
3.5	969	283.6	3.9	3178
4	1093	292.4	4.9	3585
4.5	1217	296.2	5.5	3992
5	1341	299.2	6.1	4398
5.5	1454	298.7	6.1	4770
6	1557	298.3	6.2	5107
6.5	1662	289.5	6.3	5450
7	1766	281.1	6.5	5794
7.5	1871	278.2	7.4	6138
8	1973	276	8.4	6471
8.5	2061	280.8	9.1	6760
9	2149	285	9.8	7048
9.5	2237	286.7	9.8	7336
10	2324	288.3	9.9	7623
10.5	2411	286.3	9.6	7909
11	2498	284.1	9.3	8194
11.5	2585	283.3	9	8480
12	2672	282.5	8.7	8765
12.5	2759	282	9.4	9050
13	2855	281.6	10.1	9364
13.5	2956	281	11	9697
14	3058	280.4	11.9	10031
14.5	3160	279.7	12.1	10364
15	3254	279	12.4	10673
15.5	3347	278.1	12.6	10977

1980 NORTHEAST CORRIDOR REGIONAL
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BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800731	1300	47314	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	189	289.1	5.5	620
1	315	285.2	5.7	1032
1.5	440	281.5	5.9	1443
2	565	278	6.1	1854
2.5	691	272.9	6.2	2266
3	812	268	6.3	2663
3.5	927	266.1	6.1	3040
4	1042	264	5.9	3417
4.5	1156	265.5	5.4	3793
5	1271	267.4	4.9	4170
5.5	1386	267.3	5	4547
6	1501	267.2	5.2	4924
6.5	1609	272.9	5.2	5279
7	1716	278.4	5.3	5629
7.5	1821	289.3	6	5974
8	1919	297.8	6.8	6295
8.5	2009	298.5	8.4	6590
9	2093	298.9	10	6864
9.5	2175	296.4	10.5	7133
10	2256	294.1	11.1	7401
10.5	2338	294.9	11.1	7670
11	2420	295.7	11.1	7936
11.5	2494	300.5	11	8181
12	2569	305.4	11	8425
12.5	2643	305.4	10.8	8670
13	2715	305.5	10.6	8904
13.5	2774	302.6	10.7	9098
14	2832	299.7	10.8	9288
14.5	2889	298.3	10.5	9476
15	2946	296.9	10.2	9663
15.5	3012	296.7	9.6	9878
16	3077	296.5	9	10093
16.5	3143	295	8.8	10308
17	3207	293.5	8.6	10520
17.5	3268	289.2	9.2	10719

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800801	500	408011	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	123	182.3	6.8	403
1	207	190.6	7.2	679
1.5	291	197.4	7.5	954
2	377	203.6	7.9	1238
2.5	461	207.9	8	1512
3	541	212.1	8.2	1774
3.5	627	217.8	8.1	2058
4	718	223.6	8.1	2355
4.5	809	231.8	8.2	2653
5	903	239.7	8.5	2962
5.5	994	246.8	8.8	3260
6	1085	253.2	9.3	3558
6.5	1176	258	9.1	3856
7	1230	263.1	8.9	4036
7.5	1301	268	8.5	4268
8	1382	273.4	8.1	4533
8.5	1456	276.8	8	4776
9	1530	280.2	7.9	5018
9.5	1608	284	7.9	5274
10	1686	287.8	7.9	5529
10.5	1764	281.5	8.2	5787
11	1843	275.8	8.6	6045
11.5	1922	271.4	9.1	6304
12	2002	267.5	9.6	6565
12.5	2084	269.7	9.5	6835
13	2178	271.9	9.5	7143
13.5	2272	270.1	9.6	7451
14	2364	268.3	9.7	7755
14.5	2448	269.8	9.4	8028
15	2513	271.4	9.1	8242
15.5	2566	272.7	9.2	8415
16	2625	274	9.3	8610
16.5	2709	272.9	9.9	8887
17	2794	272	10.5	9164
17.5	2878	272.4	10.5	9441
18	2963	272.7	10.6	9719
18.5	3044	273.3	10.9	9984
19	3124	273.8	11.2	10248
19.5	3206	277.5	11	10516
20	0	281.4	10.8	0
20.5	0	283.5	11.8	0
21	0	285.3	12.8	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800801	700	48012	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	50	131.1	4	164
1	100	146.7	5.1	328
1.5	141	159.6	6	461
2	188	168.7	7.2	616
2.5	235	177.8	8	771
3	280	185.1	8.9	917
3.5	318	189.1	9.4	1043
4	357	192.7	9.9	1170
4.5	396	195	10.1	1298
5	434	197.2	10.3	1425
5.5	473	199.7	10.3	1553
6	512	202.3	10.3	1680
6.5	552	206.7	10.2	1810
7	592	211.1	10.1	1941
7.5	632	215.5	10	2072
8	672	219.9	9.9	2203
8.5	712	221.6	10	2334
9	752	223.2	10.1	2465
9.5	791	224.8	9.8	2596
10	831	226.5	9.6	2727
10.5	871	229.6	9.2	2858
11	911	233	8.8	2989
11.5	951	234.4	8.9	3120
12	991	235.8	9	3251
12.5	1031	235.8	8.5	3382
13	1071	235.7	8	3513
13.5	1115	237.6	7	3656
14	1167	240.2	6.1	3828
14.5	1219	241.6	5.5	3999
15	1266	243.3	4.9	4152
15.5	1310	239.4	5	4297
16	1354	235.7	5.2	4442
16.5	1398	234.2	5.3	4587
17	1440	232.8	5.4	4722
17.5	1479	234	4.8	4851
18	1519	235.4	4.3	4982
18.5	1564	239.4	4	5130
19	1616	243.9	3.8	5302
19.5	1669	249	4.2	5474
20	1722	253.2	4.7	5647
20.5	1773	254.7	5.4	5817
21	1822	255.8	6.1	5976
21.5	1867	256.2	7	6125
22	1913	256.5	7.9	6273
22.5	1958	257.4	8.2	6421
23	2003	258.2	8.6	6569

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800801	900	408013	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	78	164.6	4.4	256
1	195	184.6	5.9	641
1.5	311	201.7	7.2	1020
2	441	212.8	9	1448
2.5	536	220.4	9.8	1758
3	630	226.7	10.8	2068
3.5	725	226.6	10.7	2379
4	808	226.5	10.6	2650
4.5	882	224.7	9.7	2894
5	957	222.6	8.8	3139
5.5	1029	219.9	8	3374
6	1099	216.7	7.2	3606
6.5	1174	217.8	6.8	3852
7	1255	219	6.4	4116
7.5	1338	225.2	6.5	4390
8	1423	231.1	6.7	4667
8.5	1507	234	7.1	4944
9	1588	236.5	7.6	5210
9.5	1667	235.2	7.6	5469
10	1746	233.9	7.6	5728
10.5	1825	232.2	7.7	5987
11	1904	230.6	7.9	6246
11.5	1984	233	8.6	6506
12	2066	235.1	9.4	6776
12.5	2150	239.5	10	7053
13	2235	243.3	10.7	7331
13.5	2320	247.7	10.9	7610
14	2402	251.9	11.2	7878
14.5	2481	255.5	10.9	8138
15	2558	259.3	10.6	8390
15.5	2633	263.2	10.4	8635
16	2707	267.3	10.3	8880
16.5	2782	271	10.8	9126
17	2857	274.4	11.3	9371
17.5	2930	274.5	11.6	9611
18	3003	274.6	11.9	9850
18.5	3080	273.2	12.8	10102
19	3163	272	13.7	10373
19.5	3237	272.6	12.7	10618
20	3310	273.3	11.7	10856
20.5	3382	274.1	10.8	11094

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800801	1300	408014	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	0	252.7	1.5	0
1	0	237.1	1	0
1.5	0	210.4	1.1	0
2	0	191.6	1.4	0
2.5	0	192.8	1.7	0
3	0	193.7	2	0
3.5	0	213.2	2.4	0
4	0	226.5	2.9	0
4.5	0	231.1	3.6	0
5	0	234.2	4.4	0
5.5	0	236.7	4.7	0
6	0	238.8	5.1	0
6.5	0	244.2	5.8	0
7	0	248.5	6.5	0
7.5	0	250.1	7.9	0
8	0	251.3	9.3	0
8.5	0	251.2	10.2	0
9	0	251.1	11.1	0
9.5	0	249.4	10.9	0
10	0	247.6	10.8	0
10.5	0	246.2	10.9	0
11	0	244.8	11.1	0
11.5	0	246.5	11.6	0
12	0	248	12.2	0
12.5	0	250.9	12.6	0
13	0	253.6	13	0
13.5	0	255.4	13.2	0
14	0	257.2	13.5	0
14.5	0	257.8	13.4	0
15	0	258.4	13.4	0
15.5	0	258.4	12.8	0
16	0	258.5	12.3	0
16.5	0	260.5	12.1	0
17	0	262.6	12	0
17.5	0	265.8	11.9	0
18	0	269	11.8	0
18.5	0	268.8	11.5	0
19	0	268.5	11.2	0
19.5	0	266.2	11.2	0
20	0	264	11.2	0
20.5	0	264.8	11.3	0
21	0	265.5	11.4	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800802	500	48021	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	66	290.3	8.6	217
1	127	298.2	9.6	418
1.5	181	304.3	10.2	593
2	234	309.7	11	768
2.5	287	312.1	10.9	942
3	338	314.6	10.8	1109
3.5	389	314.8	10.4	1275
4	440	315.1	10.1	1442
4.5	491	313.5	10	1609
5	541	311.9	10	1776
5.5	592	310.5	9.7	1942
6	643	309	9.5	2109
6.5	689	307.2	9	2259
7	736	305.2	8.6	2415
7.5	787	301.8	8.3	2581
8	838	298.1	8.1	2747
8.5	888	296.4	8	2913
9	939	294.7	8	3079
9.5	990	293.3	8	3246
10	1040	291.9	8.1	3412
10.5	1091	289.3	8	3578
11	1141	286.7	7.9	3744
11.5	1193	286.2	8.1	3914
12	1250	285.8	8.3	4099
12.5	1306	288	8.8	4283
13	1365	290	9.3	4476
13.5	1432	290.4	9.8	4697
14	1499	290.7	10.4	4918
14.5	1555	289.9	10.7	5100
15	1607	289.1	11	5271
15.5	1659	291.4	10.9	5442
16	1711	293.7	10.9	5613
16.5	1763	297.5	10.8	5784
17	1816	301.3	10.8	5956
17.5	1868	300.6	10.8	6127
18	1920	300	10.9	6298
18.5	1972	300.6	10.8	6469
19	2025	301.3	10.8	6641
19.5	2075	305.3	10.7	6806
20	2125	309.4	10.7	6970
20.5	2175	311.6	10.7	7134
21	2225	313.9	10.7	7298
21.5	2275	315.8	10.9	7462
22	2325	317.6	11.2	7626
22.5	2375	317.7	11.5	7790
23	2429	317.7	11.8	7967

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800802	700	48022	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	287.3	8.9	372
1	217	294.7	10.3	712
1.5	284	299.8	11	930
2	355	304.2	11.8	1163
2.5	426	306.1	11.3	1396
3	497	308.1	10.9	1629
3.5	567	308.6	10.7	1861
4	638	309.2	10.5	2094
4.5	710	308	11.1	2329
5	782	306.9	11.8	2564
5.5	854	305.2	12.1	2800
6	926	303.6	12.4	3036
6.5	994	304.9	12	3261
7	1062	306.2	11.7	3483
7.5	1130	306.8	11.7	3706
8	1198	307.5	11.7	3928
8.5	1266	305	11.6	4151
9	1333	302.4	11.5	4373
9.5	1401	300.7	11.1	4595
10	1477	298.8	10.7	4844
10.5	1551	299.1	10.2	5087
11	1624	299.4	9.8	5327
11.5	1697	300.6	9.8	5567
12	1774	301.8	9.8	5819
12.5	1852	302.3	10.2	6074
13	1930	302.7	10.7	6329
13.5	2007	302	11	6584
14	2085	301.4	11.3	6838
14.5	2162	300.8	11.6	7090
15	2235	300.2	11.9	7331
15.5	2309	299.4	12.2	7572
16	2382	298.6	12.6	7813
16.5	2455	298.5	12.7	8054
17	2529	298.5	12.9	8296
17.5	2603	299.5	13.1	8537
18	2674	300.4	13.3	8771
18.5	2745	301.8	13.2	9002
19	2815	303.3	13.1	9232
19.5	2885	303.5	12.8	9462
20	2959	303.8	12.5	9706

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800802	900	48023	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	274.7	3.1	371
1	245	268.7	3.6	804
1.5	377	273.6	4.8	1237
2	466	276.5	6.1	1528
2.5	548	283.5	7.2	1796
3	605	288.6	8.4	1984
3.5	670	294.3	8.4	2197
4	734	300	8.4	2409
4.5	799	303.9	8.4	2621
5	863	307.8	8.4	2829
5.5	919	307.5	8.5	3015
6	976	307.2	8.7	3201
6.5	1033	306.1	8.9	3387
7	1089	305.1	9.1	3573
7.5	1146	305.2	9.2	3760
8	1203	305.3	9.3	3946
8.5	1260	300.7	9.4	4134
9	1318	296.3	9.6	4322
9.5	1375	291.8	10	4510
10	1428	287.7	10.5	4683
10.5	1481	286.9	11.4	4857
11	1543	286.2	12.4	5062
11.5	1626	285.6	13.1	5334
12	1697	285.1	13.8	5566
12.5	1767	286.7	13.4	5797
13	1838	288.3	13.1	6028
13.5	1908	289.6	13	6259
14	1979	291	12.9	6491
14.5	2049	292.3	13.1	6722
15	2120	293.5	13.4	6953
15.5	2181	296.2	13.3	7154
16	2240	299	13.2	7348
16.5	2299	299.2	13.1	7542
17	2358	299.4	13.1	7735
17.5	2417	298.8	13	7929
18	2476	298.1	13	8122
18.5	2535	298.8	13	8316
19	2595	299.4	13.1	8510
19.5	2653	299.6	13.2	8703

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800802	1300	48024	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	101	252.2	7.2	331
1	225	253.2	7.8	739
1.5	315	252.5	8	1034
2	397	251.9	8.3	1302
2.5	521	252.7	8.5	1709
3	645	253.4	8.7	2116
3.5	735	255.9	8.7	2412
4	822	258.3	8.8	2695
4.5	911	260.1	8.5	2989
5	1011	262	8.3	3315
5.5	1123	265.5	8.4	3683
6	1227	268.9	8.6	4025
6.5	1334	271.7	9.3	4375
7	1450	274	10.1	4755
7.5	1574	276.5	11.1	5163
8	1691	278.5	12.2	5548
8.5	1771	281.2	13	5809
9	1841	283.6	13.9	6038
9.5	1903	283.9	13.7	6242
10	1960	284.3	13.5	6430
10.5	2018	283.4	13.2	6620
11	2076	282.5	12.9	6810
11.5	2134	283	12.6	7001
12	2192	283.5	12.3	7191
12.5	2250	282.8	11.8	7381
13	2331	282	11.4	7646
13.5	2418	280.1	11.6	7930
14	2504	278.2	11.9	8214
14.5	2591	278.9	12.2	8498
15	2677	279.6	12.5	8782
15.5	2764	281.2	13.1	9066
16	2851	282.7	13.7	9350
16.5	2937	284	14.1	9633
17	3023	285.2	14.5	9917
17.5	3110	287.4	14.9	10201
18	3188	289.5	15.3	10456
18.5	3252	292.3	15.7	10668
19	3317	295	16.2	10880
19.5	0	297.1	16.3	0
20	0	299.1	16.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800804	900	48042	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	87	274	5	285
1	172	271.1	5.9	564
1.5	240	273	6.5	787
2	321	274.5	7.2	1053
2.5	402	274.6	7.1	1320
3	484	274.7	7.1	1586
3.5	565	270	6.3	1852
4	646	264	5.5	2118
4.5	719	256.7	5.2	2359
5	791	248.6	4.9	2594
5.5	862	246	5.4	2828
6	934	243.9	6	3063
6.5	1005	245.5	6.4	3298
7	1077	246.8	6.9	3532
7.5	1148	246.1	6.9	3767
8	1220	245.4	6.9	4002
8.5	1291	243.3	7	4236
9	1363	241.2	7.1	4471
9.5	1435	241	7.2	4706
10	1510	240.8	7.4	4954
10.5	1580	243	7.5	5184
11	1646	245.2	7.7	5400
11.5	1712	247.1	8.3	5616
12	1778	248.7	8.9	5832
12.5	1844	248.8	9.2	6048
13	1910	248.8	9.5	6264
13.5	1982	247.1	9.8	6502
14	2057	245.5	10.1	6746
14.5	2131	245.3	10.2	6990
15	2209	245.2	10.4	7245
15.5	2287	247.2	10.4	7500
16	2364	249.3	10.4	7755
16.5	2436	252.2	11	7991
17	2500	254.7	11.7	8200
17.5	2566	256.5	12.2	8417
18	2631	258.1	12.7	8629
18.5	2690	257.1	12.7	8824
19	2750	256.1	12.8	9019
19.5	2809	255.2	12.9	9214
20	2869	254.3	13	9409

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800804	1300	48044	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	138	163.8	3.3	453
1	317	166.7	2.6	1039
1.5	509	183.1	2.3	1669
2	721	201.8	2.3	2364
2.5	933	220.2	2.9	3060
3	1125	231.8	3.6	3691
3.5	1268	245	4.5	4158
4	1383	253.4	5.6	4536
4.5	1479	257	6.6	4851
5	1577	259.6	7.6	5173
5.5	1682	260.3	7.9	5518
6	1788	261	8.2	5864
6.5	1893	264.5	8.7	6209
7	2001	267.6	9.3	6564
7.5	2109	269.5	10	6919
8	2216	271.1	10.7	7269
8.5	2317	270.1	11.7	7600
9	2418	269.3	12.7	7930
9.5	2519	268.1	13.3	8261
10	2613	267	13.9	8571
10.5	2725	266.4	13.8	8938
11	2792	265.8	13.7	9158
11.5	2880	264	14.2	9447
12	2968	262.3	14.8	9735
12.5	3056	262.1	15.3	10024
13	3159	261.9	15.8	10362
13.5	0	263	16	0
14	0	264	16.2	0
14.5	0	264.8	16.3	0
15	0	265.5	16.5	0
15.5	0	267.5	16.7	0
16	0	269.4	16.9	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800805	500	48051	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	63	217.1	2.8	207
1	145	227.7	2.5	477
1.5	226	232.9	2.4	741
2	282	238.3	2.4	926
2.5	341	238.4	2.7	1118
3	403	238.5	3.1	1322
3.5	467	244.3	3.5	1531
4	531	248.9	3.9	1743
4.5	596	249.3	4.3	1955
5	668	249.6	4.7	2190
5.5	741	246	4.9	2430
6	814	242.7	5.2	2670
6.5	883	243.6	5.4	2896
7	952	244.5	5.7	3123
7.5	1021	246.1	6.1	3349
8	1090	247.4	6.6	3574
8.5	1159	247.8	6.8	3800
9	1227	248.2	7	4026
9.5	1296	248.5	6.8	4252
10	1363	248.8	6.7	4470
10.5	1428	245.6	6	4683
11	1492	241.5	5.3	4895
11.5	1557	243.4	6.2	5107
12	1635	244.8	7.1	5362
12.5	1702	246.8	8.4	5581
13	1763	248.3	9.7	5784
13.5	1825	245.1	9.5	5987
14	1893	241.8	9.3	6209
14.5	1959	240.7	9.6	6424
15	2026	239.6	9.9	6646
15.5	2097	239.7	10.1	6877
16	2167	239.8	10.3	7108
16.5	2238	238	10.3	7340
17	2308	236.3	10.4	7571
17.5	2379	235.6	10.9	7802
18	2449	235	11.4	8033
18.5	2520	234.9	11.5	8264
19	2590	234.9	11.7	8496
19.5	2661	236	11.2	8727
20	2739	237.1	10.7	8984

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800805	900	48053	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	111	222.6	2.2	363
1	210	214.2	3.8	689
1.5	287	214.1	4.4	942
2	343	214.1	5	1124
2.5	396	216.4	4.8	1298
3	449	218.8	4.7	1474
3.5	521	221.3	4.8	1708
4	592	223.6	5	1943
4.5	664	223.8	5.1	2177
5	727	224	5.2	2384
5.5	806	223.5	5.5	2643
6	870	223	5.8	2854
6.5	934	224.6	5.6	3065
7	999	226.3	5.5	3276
7.5	1063	228	5.3	3486
8	1127	229.9	5.2	3695
8.5	1188	238	5	3897
9	1246	246.6	4.9	4087
9.5	1304	243.3	5.6	4277
10	1362	240.8	6.3	4467
10.5	1429	238.3	6.7	4688
11	1490	236.1	7.2	4887
11.5	1551	243.4	6.6	5086
12	1611	251.9	6.2	5283
12.5	1670	255.1	6.5	5477
13	1730	257.9	6.9	5675
13.5	1797	258.7	7.2	5893
14	1856	259.5	7.5	6088
14.5	1911	258.5	7.6	6268
15	1973	257.5	7.8	6472
15.5	2036	257.8	8.1	6677
16	2091	258.1	8.5	6860
16.5	2146	259.1	8.5	7039
17	2201	260.1	8.6	7218
17.5	2255	258.3	8.8	7396
18	2308	256.5	9	7571
18.5	2364	253.7	9.4	7755
19	2425	251.2	9.9	7953
19.5	2485	251.2	9.6	8151
20	2546	251.3	9.3	8350
20.5	2609	251.4	9	8558
21	2677	251.5	8.7	8781
21.5	2745	248.6	9.1	9004
22	2822	246	9.5	9256
22.5	2992	246.5	9.7	9486

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1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800805	1300	48054	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	144	188.3	3.6	473
1	268	188.3	3.6	880
1.5	388	188.6	4.2	1271
2	475	188.9	4.8	1559
2.5	516	191.6	4.8	1693
3	557	194.4	4.8	1827
3.5	598	201.5	3.9	1961
4	638	212.8	3	2094
4.5	679	219.5	3.5	2228
5	732	224.4	4.1	2402
5.5	833	225.7	5.4	2733
6	954	226.5	6.7	3128
6.5	1151	229	7.2	3776
7	1349	231.2	7.8	4424
7.5	1546	232.5	7.5	5072
8	1634	233.9	7.3	5360
8.5	1694	235.1	6.9	5556
9	1765	236.5	6.6	5788
9.5	1839	237	6.9	6031
10	1917	237.5	7.2	6287
10.5	1995	235	8	6544
11	2073	233	8.8	6801
11.5	2154	234.2	8.5	7065
12	2244	235.5	8.3	7359
12.5	2333	240.7	7.8	7653
13	2423	246.6	7.3	7947
13.5	2513	249.2	7.7	8242
14	2602	251.6	8.2	8536
14.5	2692	253.7	8.6	8830
15	2775	255.6	9	9103
15.5	2835	254.6	9.4	9300
16	2881	253.7	9.8	9450
16.5	2941	252.4	9.8	9646
17	3001	251.2	9.9	9843
17.5	3063	251	9.7	10048
18	3130	250.8	9.6	10265
18.5	3195	248.9	9.5	10481
19	3266	247	9.5	10712
19.5	0	245.5	9.2	0
20	0	243.9	8.9	0
20.5	0	242.9	8.3	0
21	0	241.8	7.7	0
21.5	0	242.2	6.9	0
22	0	242.8	6.1	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800806	500	48061	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	79	239.2	7	260
1	160	244.3	8.2	526
1.5	228	245	9.1	748
2	299	245.5	10.1	980
2.5	370	246.6	10.2	1213
3	440	247.7	10.4	1442
3.5	509	251.3	9.6	1670
4	579	255.5	8.9	1899
4.5	648	258.5	8.3	2127
5	718	261.9	7.8	2356
5.5	786	262.4	7.8	2579
6	852	262.9	7.8	2796
6.5	919	260.8	7.9	3013
7	985	258.8	8.1	3230
7.5	1051	256.5	7.8	3446
8	1117	254	7.6	3663
8.5	1181	253	7.3	3875
9	1247	251.9	7	4090
9.5	1307	251.3	6.9	4287
10	1366	250.6	6.9	4482
10.5	1419	249.5	6.4	4653
11	1467	248.3	6	4812
11.5	1516	250.5	6	4971
12	1564	252.7	6	5130
12.5	1619	256.4	6.1	5310
13	1684	260	6.2	5522
13.5	1748	262.6	5.7	5734
14	1809	265.6	5.3	5935
14.5	1866	265.6	5.1	6119
15	1927	265.7	5	6319
15.5	1991	264	4.9	6531
16	2053	262.3	4.9	6734
16.5	2115	259.8	4.9	6936
17	2176	257.3	5	7137
17.5	2237	252.4	5.5	7338
18	2299	248.3	6	7540
18.5	2360	246.2	6.5	7741
19	2421	244.4	7	7942
19.5	2483	243.9	7.2	8144
20	2545	243.5	7.5	8347
20.5	2610	239.9	7.3	8560
21	2675	236.1	7.2	8773

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO: :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800806	700	408062	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	121	272.1	8.3	396
1	225	278.3	9.5	737
1.5	304	280.5	10	997
2	384	282.5	10.6	1258
2.5	458	281.9	10	1502
3	525	281.2	9.4	1723
3.5	594	280	8.7	1947
4	666	278.7	8.1	2186
4.5	733	279.8	8	2405
5	802	281	8	2631
5.5	888	282.7	7.7	2912
6	959	284.5	7.5	3145
6.5	1026	284.2	6.9	3366
7	1105	283.9	6.4	3624
7.5	1191	280.7	6.1	3906
8	1259	277.2	5.8	4131
8.5	1335	272	5.8	4378
9	1415	266.8	5.9	4640
9.5	1494	261.9	6	4901
10	1574	257.1	6.1	5163
10.5	1654	254	5.9	5425
11	1735	250.8	5.8	5690
11.5	1816	251	5.5	5956
12	1897	251.3	5.3	6222
12.5	1978	248.4	5.4	6488
13	2059	245.7	5.6	6754
13.5	2140	246.1	5.9	7020
14	2222	246.5	6.3	7287
14.5	2303	245.4	6.8	7553
15	2384	244.4	7.4	7819
15.5	2460	242.1	8	8070
16	2536	240.1	8.7	8317
16.5	2611	242.4	8.7	8564
17	2673	244.7	8.8	8768
17.5	2736	249.2	8.8	8973
18	2798	253.6	8.9	9177
18.5	2860	257.8	9.5	9381
19	2931	261.5	10.1	9615
19.5	3009	263.2	10.4	9869
20	3086	264.8	10.8	10123
20.5	3164	264	10.7	10377
21	324[illegible]	263.2	10.6	10630

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800806	900	408063	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	121	289.7	3.4	398
1	254	286.5	3.8	832
1.5	390	278.6	4.6	1280
2	493	273.1	5.5	1618
2.5	588	269.1	6.6	1930
3	679	266.2	7.7	2226
3.5	769	266.1	7.9	2523
4	859	266.1	8.1	2819
4.5	950	265.6	7.7	3116
5	1034	265.1	7.3	3390
5.5	1116	264	7.1	3660
6	1198	262.8	6.9	3929
6.5	1285	259.1	6.8	4215
7	1380	255.3	6.7	4528
7.5	1476	251.7	7.2	4840
8	1571	248.6	7.7	5153
8.5	1682	247.9	8.2	5517
9	1767	247.3	8.7	5797
9.5	1853	247.7	8.6	6078
10	1938	248.2	8.6	6358
10.5	2024	252.5	8.5	6638
11	2109	257	8.4	6918
11.5	2195	260.1	8.6	7199
12	2278	263.1	8.9	7472
12.5	2358	263.6	8.9	7735
13	2438	264	9	7998
13.5	2519	266.3	9.1	8261
14	2599	268.5	9.2	8524
14.5	2679	270.1	9.6	8787
15	2761	271.5	10	9055
15.5	2845	272.1	10.3	9333
16	2932	272.7	10.6	9618
16.5	3023	273	10.7	9916
17	3114	273.2	10.9	10214
17.5	3205	273.9	10.5	10511
18	3297	274.7	10.2	10814
18.5	3390	273.5	10.2	11119
19	0	272.3	10.2	0
19.5	0	271.6	10	0
20	0	270.9	9.8	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800806	1300	408064	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	91	258.1	5.6	300
1	183	250.9	5.2	600
1.5	328	245.6	4.9	1077
2	473	239.6	4.6	1553
2.5	619	239.6	4.6	2030
3	737	239.6	4.6	2417
3.5	814	245.7	5.4	2669
4	878	250.3	6.2	2880
4.5	939	252.9	7.2	3081
5	1005	254.8	8.2	3296
5.5	1077	255.6	9	3534
6	1150	256.3	9.9	3772
6.5	1223	258.2	10.2	4010
7	1295	260	10.6	4248
7.5	1368	260.5	10.7	4486
8	1440	260.9	10.8	4724
8.5	1513	261	10.9	4962
9	1579	261	11.1	5180
9.5	1620	262.8	10.8	5315
10	1673	264.8	10.5	5487
10.5	1733	267.3	10.3	5684
11	1793	269.8	10.1	5880
11.5	1853	270.6	10.7	6077
12	1913	271.4	11.3	6273
12.5	1973	270.8	11.7	6470
13	2032	270.2	12.2	6666
13.5	2092	270.2	12.1	6862
14	2152	270.3	12	7059
14.5	2212	269	11.7	7255
15	2272	267.7	11.4	7452
15.5	2332	264	11.1	7648
16	2392	260.2	10.9	7845
16.5	2452	258.2	10.9	8041
17	2512	256.3	10.9	8238
17.5	2571	255.6	10.5	8434
18	2631	254.9	10.2	8631
18.5	2691	254.6	9.8	8827
19	2751	254.3	9.5	9024
19.5	2811	254.1	9.7	9219
20	2869	253.9	10	9410
20.5	2927	254.7	10.4	9600

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800807	500	408071	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	43	332.8	6.9	142
1	124	339.7	5.4	407
1.5	195	343.2	5.3	641
2	257	346.7	5.3	844
2.5	324	341.8	5.8	1062
3	390	337.8	6.4	1280
3.5	457	333.6	6.5	1498
4	523	329.5	6.7	1716
4.5	590	330	7.2	1934
5	656	330.4	7.7	2153
5.5	723	329.4	8	2371
6	788	328.4	8.4	2583
6.5	844	324.1	8.6	2769
7	901	319.9	8.8	2955
7.5	958	316.5	9.2	3142
8	1022	313.3	9.6	3352
8.5	1097	311.9	9.4	3598
9	1169	310.5	9.3	3833
9.5	1240	308.7	8.8	4068
10	1312	306.7	8.4	4303
10.5	1384	302.7	8.5	4538
11	1455	298.8	8.7	4773
11.5	1527	295.3	8.8	5008
12	1598	291.9	9	5241
12.5	1667	291.7	9.4	5469
13	1737	291.5	9.8	5696
13.5	1806	294.8	9.8	5924
14	1876	298	9.9	6152
14.5	1945	305.7	8.9	6380
15	2009	315.1	8.1	6591
15.5	2065	323.7	7.6	6773
16	2116	333.4	7.2	6941
16.5	2168	337.1	7.5	7110
17	2219	340.6	7.8	7278
17.5	2273	344.6	7.9	7454
18	2336	348.5	8.1	7662
18.5	2399	349.3	8.4	7870
19	2465	350	8.8	8086
19.5	2541	349.3	9.4	8333

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800807	700	408072	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	77	315.5	4.5	253
1	209	319	5.7	685
1.5	268	323	6.8	880
2	328	325.9	7.9	1075
2.5	387	328.2	8.6	1270
3	447	330.1	9.3	1466
3.5	506	332.7	9.2	1661
4	566	335.4	9.2	1858
4.5	628	335.5	8.9	2060
5	689	335.6	8.6	2261
5.5	751	332.5	8.5	2463
6	812	329.4	8.4	2664
6.5	873	326.9	8	2865
7	935	324.2	7.6	3067
7.5	999	321.1	7.5	3278
8	1064	317.9	7.4	3490
8.5	1128	316.9	7.6	3701
9	1191	316	7.8	3906
9.5	1251	315	7.8	4102
10	1310	314	7.8	4298
10.5	1370	310.9	8.3	4492
11	1427	308.2	8.8	4680
11.5	1484	302.8	9.3	4867
12	1541	298	9.9	5055
12.5	1602	295.9	10.1	5253
13	1675	293.8	10.3	5494
13.5	1734	294.7	10.1	5688
14	1793	295.6	10	5882
14.5	1852	299	9.4	6076
15	1911	302.8	8.9	6269
15.5	1969	310.8	7.7	6459
16	2027	321.3	6.8	6650
16.5	2085	329.2	6.2	6840
17	2144	338.5	5.8	7031
17.5	2203	342.2	5.8	7226
18	2268	345.9	5.8	7440
18.5	2334	348.3	5.9	7655
19	2399	350.7	6	7869
19.5	2464	352.5	6.2	8083
20	2530	354.2	6.4	8297
20.5	2595	354.9	7	8512
21	2660	355.5	7.6	8726
21.5	2726	354.1	8.1	8940

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800807	900	408073	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	0	331.5	1.3	0
1	0	357.6	2.2	0
1.5	0	1.3	3.4	0
2	0	3	4.7	0
2.5	0	.4	5	0
3	0	358.2	5.4	0
3.5	0	352.7	5.2	0
4	0	346.7	5	0
4.5	0	339.5	5.3	0
5	0	333.1	5.6	0
5.5	0	328.9	5.9	0
6	0	325.2	6.3	0
6.5	0	324.2	6.7	0
7	0	323.4	7.1	0
7.5	0	324.7	7.5	0
8	0	325.9	7.9	0
8.5	0	327.8	8	0
9	0	329.6	8.2	0
9.5	0	329.6	7.8	0
10	0	329.5	7.5	0
10.5	0	330	7.5	0
11	0	330.6	7.5	0
11.5	0	328.5	7.4	0
12	0	326.4	7.4	0
12.5	0	323.5	7	0
13	0	320.2	6.7	0
13.5	0	330.6	5.8	0
14	0	344	5.2	0
14.5	0	357	4.7	0
15	0	12.1	4.5	0
15.5	0	10.3	3.4	0
16	0	7	2.4	0
16.5	0	355.8	1.8	0
17	0	336.3	1.4	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800808	500	408081	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	139	256.8	9.3	456
1	212	258.7	9.5	695
1.5	302	261.7	9.2	990
2	392	264.9	9	1285
2.5	481	270	8.4	1579
3	571	275.9	7.8	1874
3.5	661	279.3	7.5	2169
4	751	282.9	7.2	2464
4.5	840	284.5	6.9	2755
5	925	286.2	6.6	3034
5.5	1010	283.7	6.3	3313
6	1095	281	6	3592
6.5	1180	273.7	6.1	3870
7	1265	266.7	6.2	4149
7.5	1346	262.7	6.2	4416
8	1427	258.7	6.3	4681
8.5	1508	259.5	6.4	4945
9	1593	260.2	6.6	5224
9.5	1685	265.8	7	5526
10	1777	270.7	7.5	5828
10.5	1869	274.1	7.9	6130
11	1961	277.1	8.4	6432
11.5	2053	276.8	8.9	6734
12	2145	276.6	9.4	7035
12.5	2237	276	9.8	7337
13	2329	275.4	10.3	7639
13.5	2408	278.3	10.3	7898
14	2487	281.3	10.3	8158
14.5	2566	281.3	9.5	8417
15	2645	281.4	8.8	8677
15.5	2724	277	7.8	8936
16	2813	271.3	6.9	9225
16.5	2906	272.3	6.6	9533
17	3000	273.3	6.3	9841
17.5	3094	274.6	7.1	10149
18	3188	275.6	8	10457
18.5	3294	275.5	8.7	10804
19	0	275.5	9.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800808	700	408082	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	116	244.7	8.8	380
1	241	262.2	9.2	790
1.5	320	268.5	9.2	1050
2	399	274.7	9.4	1309
2.5	466	272.2	8.6	1528
3	530	269.3	7.9	1738
3.5	596	265.7	7.4	1954
4	665	261.6	7	2182
4.5	734	260.4	7	2406
5	800	259.2	7	2625
5.5	867	258.5	6.8	2844
6	932	257.8	6.7	3057
6.5	995	256.8	6.4	3262
7	1057	255.8	6.1	3467
7.5	1124	256.3	6	3687
8	1194	256.9	5.9	3916
8.5	1263	256.2	5.9	4142
9	1330	255.6	6	4363
9.5	1396	258.7	6.3	4579
10	1462	261.5	6.7	4795
10.5	1528	269.5	6.9	5011
11	1600	277	7.2	5249
11.5	1677	285	7.1	5501
12	1754	293.1	7.2	5753
12.5	1836	295.4	7	6022
13	1918	297.8	6.8	6291
13.5	2014	300	6.9	6607
14	2110	302.2	7.1	6922
14.5	2190	297.9	7.1	7182
15	2257	293.7	7.1	7404
15.5	2332	289.3	7.2	7649
16	2417	285	7.3	7928
16.5	2502	284.3	7.8	8207
17	2587	283.6	8.3	8485
17.5	2662	278	8.8	8731
18	2730	273	9.3	8954
18.5	2798	270.9	9.6	9178
19	2866	269	10	9399

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800808	900	408083	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	119	243.9	4.3	391
1	200	256	6.3	657
1.5	272	257.9	7.5	891
2	343	259.2	8.7	1126
2.5	415	256.8	8.6	1361
3	487	254.3	8.6	1596
3.5	558	250.7	8.5	1830
4	621	247	8.5	2036
4.5	683	244.9	8.5	2241
5	746	242.8	8.5	2446
5.5	809	244.3	8.4	2652
6	871	245.9	8.4	2857
6.5	934	249.6	8.5	3063
7	996	253.2	8.6	3268
7.5	1059	257.7	8.7	3473
8	1122	262.1	8.8	3679
8.5	1184	265.9	9.1	3884
9	1247	269.4	9.4	4090
9.5	1309	274.5	9.7	4295
10	1374	279.2	10.1	4507
10.5	1441	282.6	10.5	4728
11	1509	285.8	11	4950
11.5	1573	285.2	10.7	5158
12	1620	284.5	10.4	5315
12.5	1680	283.4	9.6	5510
13	1758	282.1	8.9	5765
13.5	1835	279.5	8.7	6019
14	1911	276.8	8.6	6268
14.5	1980	275	8.4	6496
15	2050	273.2	8.2	6725
15.5	2120	274.3	8.1	6952
16	2187	275.4	8.1	7172
16.5	2254	277.7	8.6	7392
17	2316	279.8	9.1	7597
17.5	2371	281.2	9.6	7778
18	2427	282.5	10.1	7960
18.5	2482	281	10.2	8142
19	2538	279.5	10.3	8323
19.5	2593	277.8	10.4	8505
20	2649	276.1	10.5	8690
20.5	2706	275.2	10.9	8877
21	2764	274.4	11.3	9065
21.5	2821	274.7	11.3	9252

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800808	1300	408084	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	237	261.8	7.5	777
1	437	266.8	8.8	1432
1.5	619	267.5	9.5	2029
2	732	268.1	10.2	2402
2.5	846	265.7	9.9	2775
3	960	263.1	9.6	3148
3.5	1073	261.3	9.6	3520
4	1278	259.6	9.6	4191
4.5	1505	261.7	11.1	4935
5	1637	263.3	12.6	5369
5.5	1745	265.4	14.5	5725
6	1854	267.1	16.4	6081
6.5	1959	266.9	17.2	6427
7	2052	266.8	18	6731
7.5	2145	268	17.6	7034
8	2237	269.3	17.3	7337
8.5	2332	273	16.9	7649
9	2416	276.8	16.5	7923
9.5	2483	279.7	15.9	8144
10	2562	282.9	15.3	8402
10.5	2641	286.6	14.1	8661
11	2722	291	12.9	8928
11.5	2807	293.9	12.3	9207
12	2892	297.1	11.8	9486
12.5	2977	295.6	11.4	9765
13	3063	294.1	11.1	10045
13.5	3149	291.8	11	10330
14	3243	289.5	10.9	10638
14.5	0	289.6	11.2	0
15	0	289.7	11.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800809	500	408091	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	272.1	8.3	370
1	207	281.5	9.2	679
1.5	303	289.9	9.9	995
2	400	297.2	10.7	1311
2.5	496	303.5	10.8	1628
3	579	309.7	11	1899
3.5	652	309.8	11.1	2140
4	725	309.8	11.2	2378
4.5	796	303.7	12	2610
5	873	298.5	12.9	2864
5.5	952	295.3	13.5	3123
6	1031	292.4	14.1	3382
6.5	1110	291.6	14	3641
7	1193	290.8	13.9	3912
7.5	1276	292.6	14.2	4186
8	1360	294.3	14.5	4460
8.5	1443	297.5	15.4	4734
9	1525	300.3	16.3	5003
9.5	1601	299.8	16.2	5251
10	1646	299.2	16.2	5400
10.5	1692	296.4	15.7	5549
11	1782	293.4	15.2	5846
11.5	1884	290.8	15.4	6180
12	1986	288.3	15.6	6514
12.5	2059	285.9	15.8	6753
13	2132	283.6	16.1	6992
13.5	2205	281.6	16.7	7232
14	2278	279.7	17.3	7471
14.5	2350	278	17.5	7708
15	2420	276.3	17.8	7936
15.5	2489	274.8	17.6	8164
16	2563	273.2	17.4	8405
16.5	2637	272.6	17.2	8649
17	2711	271.9	17	8893
17.5	2786	271	16.7	9137
18	2860	270.1	16.4	9381
18.5	2935	269.9	15.7	9626
19	3009	269.6	15	9870
19.5	3084	270.4	15	10114
20	3156	271.3	15	10352
20.5	3222	273.4	15.2	10567
21	0	275.4	15.5	0
21.5	0	277.2	15.6	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800809	900	408093	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	140	287.5	3.7	458
1	292	292.4	4.6	959
1.5	441	303.4	5.6	1445
2	582	310.9	6.8	1908
2.5	679	316.4	7.6	2228
3	748	320.9	8.4	2455
3.5	817	322.3	8.2	2681
4	886	323.8	8.1	2907
4.5	955	327.5	8.3	3133
5	1024	331	8.6	3360
5.5	1093	330.3	9.1	3586
6	1162	329.7	9.6	3812
6.5	1240	319.4	9.9	4066
7	1319	309.9	10.4	4327
7.5	1498	297.9	10.9	4912
8	1673	287.4	11.8	5489
8.5	1741	278.8	12	5710
9	1808	270.7	12.5	5930
9.5	1875	265	13.1	6151
10	1942	259.8	13.9	6371
10.5	2010	256.7	13.2	6592
11	2077	253.2	12.5	6813
11.5	2158	254.6	10.7	7078
12	2239	256.5	9	7344
12.5	2320	267.7	9	7610
13	2401	278.6	9.3	7876
13.5	2482	283.9	9.9	8142
14	2563	288.5	10.5	8407
14.5	2644	290.3	10.5	8673
15	2725	292	10.6	8939
15.5	2806	292.1	11	9205
16	2886	292.1	11.5	9466
16.5	2963	295.2	11.5	9720
17	3041	298.3	11.6	9974
17.5	3119	300.7	11.8	10229
18	3196	303.1	12	10483
18.5	3274	300.8	12	10738
19	0	298.5	12.1	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800809	1300	408094	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	100	264	6.7	328
1	219	264	7.2	717
1.5	337	264	7.4	1105
2	455	264	7.5	1494
2.5	574	264.6	7.7	1883
3	692	265.1	8	2271
3.5	811	268.1	8.3	2660
4	911	270.8	8.6	2988
4.5	1011	277.2	8.3	3316
5	1109	284	8.1	3636
5.5	1205	286.9	8.2	3954
6	1303	289.7	8.4	4273
6.5	1400	287.8	8.8	4591
7	1497	286.1	9.3	4909
7.5	1579	287.2	9.4	5178
8	1657	288.2	9.6	5435
8.5	1709	286.3	10.4	5606
9	1769	284.7	11.2	5802
9.5	1833	279.6	11.7	6011
10	1910	275	12.2	6264
10.5	1987	271.5	12.2	6518
11	2065	268.1	12.2	6772
11.5	2142	266.9	12.8	7026
12	2220	265.9	13.5	7280
12.5	2305	266.2	13.5	7560
13	2386	266.5	13.5	7827
13.5	2464	267.8	13.2	8081
14	2541	269.2	12.9	8334
14.5	2618	268.8	13	8588
15	2695	268.5	13.1	8841
15.5	2773	267.2	13	9094
16	2850	265.9	13	9348
16.5	2927	266.7	13.7	9601
17	3005	267.5	14.4	9855
17.5	3082	270.4	15	10108
18	3159	273.1	15.7	10362
18.5	3227	276.1	15.9	10584
19	3295	279.1	16.2	10806
19.5	0	281.8	15.7	0
20	0	284.7	15.3	0
20.5	0	284.6	15.1	0
21	0	284.5	15	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800812	500	408121	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	117	235.1	12.7	383
1	196	235.5	11.3	642
1.5	276	233.2	9.3	905
2	361	229.7	7.3	1185
2.5	447	232.5	7.6	1465
3	532	235.1	7.9	1745
3.5	616	236.3	8.6	2020
4	699	237.3	9.4	2294
4.5	783	232.7	8.9	2569
5	867	227.6	8.4	2843
5.5	951	232.4	8.8	3118
6	1034	236.8	9.3	3393
6.5	1118	243.9	9.8	3667
7	1209	250.2	10.4	3964
7.5	1327	251.1	12	4351
8	1445	251.7	13.7	4740
8.5	1548	250.1	14.8	5079
9	1624	248.7	16	5328
9.5	1700	248.2	16.4	5576
10	1784	247.8	16.8	5853
10.5	1871	249.3	17.5	6137
11	1976	250.6	18.3	6482
11.5	2082	252.7	19.4	6828
12	2187	254.6	20.5	7173
12.5	2280	255.8	21.5	7478
13	2370	256.9	22.5	7774
13.5	2461	261	22.5	8073
14	2549	265.1	22.6	8362
14.5	2629	261.7	23.6	8624
15	2700	258.5	24.6	8856
15.5	2773	254.9	25	9094
16	2846	251.4	25.5	9334
16.5	2919	253.5	24.5	9574
17	3003	255.8	23.5	9850
17.5	3099	254.6	23.8	10164
18	3303	253.5	24.1	10834

1980 NORTHEAST CORRIDOR REG
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800812	700	408122	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	168	270.5	7.7	552
1	319	255.4	10.7	1046
1.5	434	248.5	12.3	1423
2	525	243.2	14	1722
2.5	599	241.4	13.9	1965
3	673	239.6	13.8	2208
3.5	747	241.7	13.3	2451
4	821	243.9	12.8	2694
4.5	895	247.5	12.9	2937
5	981	251	13	3217
5.5	1074	253.9	13	3522
6	1167	256.9	13	3828
6.5	1252	250.7	4.1	4108
7	1338	87.4	4.9	4388
7.5	1420	87.9	4.3	4657
8	1499	88.5	3.7	4917
8.5	1591	257.5	5.1	5218
9	1686	260.4	13.8	5530
9.5	1781	260.1	13.8	5842
10	1876	259.8	13.9	6153
10.5	1971	259.6	14.2	6465
11	2066	259.4	14.6	6776
11.5	2156	261.3	23.6	7073
12	2246	262.2	32.6	7367
12.5	2335	262.7	32.9	7660
13	2425	263.2	33.3	7954
13.5	2515	263	24.9	8250
14	2605	262.5	16.6	8545
14.5	2695	260.3	16.9	8841
15	2786	258.2	17.3	9137
15.5	2876	256	17.7	9432
16	2966	253.8	18.1	9728
16.5	3056	253.5	18.9	10023
17	3146	253.3	19.7	10319
17.5	3253	252.7	20.6	10669

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800812	900	408123	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	161	245.4	9.1	528
1	295	253.4	11.9	969
1.5	417	257.9	13	1369
2	518	261.6	14.2	1699
2.5	613	264	13.6	2011
3	708	266.5	13.1	2322
3.5	803	265.6	13	2634
4	882	264.6	13	2892
4.5	956	263.3	12.7	3137
5	1031	262	12.4	3383
5.5	1106	262.2	11.6	3628
6	1180	262.5	10.8	3870
6.5	1254	262	10.4	4112
7	1333	261.5	10.1	4373
7.5	1421	259.7	10.6	4661
8	1509	258	11.1	4950
8.5	1583	257.9	12.3	5192
9	1672	257.8	13.6	5484
9.5	1761	260.5	14.2	5777
10	1854	262.9	14.9	6082
10.5	1950	266.8	15	6395
11	2044	270.6	15.2	6704
11.5	2136	271.2	16.2	7006
12	2260	271.8	17.2	7413
12.5	2405	267.1	17.7	7888
13	2550	262.6	18.3	8364
13.5	2695	257.3	18.3	8840
14	2802	252.1	18.5	9192
14.5	2885	251.2	18.9	9464
15	2968	250.4	19.3	9735
15.5	3051	253.4	19.1	10007
16	3136	256.5	19	10286
16.5	0	254.5	19.4	0
17	0	252.6	19.9	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800812	1300	408124	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	90	266.5	6.6	295
1	206	281.3	7.8	677
1.5	329	286.5	8.8	1080
2	452	290.6	9.8	1484
2.5	575	286.7	10.4	1887
3	698	283.3	11	2291
3.5	821	284.7	11.5	2694
4	898	286	12.1	2947
4.5	964	285.2	12.1	3161
5	1040	284.5	12.1	3411
5.5	1122	280.1	11.9	3679
6	1201	275.5	11.7	3938
6.5	1280	274.4	11.7	4198
7	1359	273.3	11.7	4457
7.5	1438	272.9	11.8	4716
8	1517	272.5	11.9	4976
8.5	1597	272.2	12.3	5239
9	1678	271.9	12.7	5503
9.5	1758	270.7	13.6	5767
10	1839	269.7	14.6	6031
10.5	1919	268.2	14.9	6294
11	1999	266.7	15.2	6558
11.5	2080	264.2	15.3	6822
12	2160	261.8	15.5	7085
12.5	2241	259.5	15.7	7349
13	2321	257.2	16	7613
13.5	2403	255	16.3	7882
14	2485	252.9	16.6	8150
14.5	2571	252.4	16.6	8433
15	2664	251.9	16.7	8738
15.5	2737	252.7	16.8	8976
16	2814	253.5	16.9	9229
16.5	2898	253.3	17.3	9505
17	2963	253.1	17.7	9720
17.5	302[illegible]	251.3	18.2	9934
18	3094	249.6	18.7	10148
18.5	3159	248.5	19.1	10363

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800813	500	408131	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	100	323.4	7.1	328
1	213	340.1	6.5	700
1.5	333	347.5	5.7	1093
2	420	357	5.1	1379
2.5	505	353.5	4.6	1655
3	589	349.1	4.1	1931
3.5	673	341	4.2	2207
4	757	333.5	4.4	2483
4.5	835	318.1	4.2	2739
5	913	302.8	4.4	2995
5.5	991	286.4	4.6	3251
6	1068	272.3	5.1	3503
6.5	1142	268.6	5.5	3746
7	1212	265.4	6	3975
7.5	1292	265.3	6.5	4237
8	1374	265.2	7.1	4507
8.5	1456	262.9	7.6	4776
9	1537	261	8.2	5042
9.5	1614	259.6	8.4	5294
10	1691	258.2	8.6	5545
10.5	1767	259.7	8.6	5796
11	1844	261.1	8.7	6047
11.5	1917	263.5	9	6287
12	1989	265.8	9.4	6525
12.5	2062	264.4	9.9	6762
13	2134	263.2	10.4	7000
13.5	2239	265.8	11.4	7344
14	2344	268	12.5	7688
14.5	2427	272.7	13.5	7961
15	2510	276.7	14.6	8234
15.5	2593	279.4	15.1	8506
16	2677	281.9	15.7	8779
16.5	2760	282	16	9052
17	2843	282.1	16.4	9324
17.5	2921	282	16.5	9581
18	2996	281.9	16.6	9828
18.5	3072	282.2	16.6	10075
19	3147	282.5	16.6	10323
19.5	3223	282.8	16.1	10573
20	3300	283.1	15.6	10823

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800813	700	408132	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	160	330.9	6.7	524
1	264	336.3	7.4	865
1.5	368	340.5	6.9	1206
2	475	345.3	6.5	1557
2.5	586	343.5	5.1	1922
3	701	340.4	3.8	2299
3.5	816	324.3	3.8	2676
4	925	309.4	4.1	3033
4.5	1034	304	5	3390
5	1132	300.2	5.9	3712
5.5	1223	297.3	6.1	4011
6	1314	294.6	6.3	4310
6.5	1405	288.4	6.2	4608
7	1490	282	6.1	4887
7.5	1586	271.6	6	5201
8	1653	261.3	6.2	5422
8.5	1748	258.1	6.4	5735
9	1829	255	6.6	5998
9.5	1938	265.6	7.3	6355
10	2046	274.1	8.3	6712
10.5	2137	278.2	9.5	7010
11	2224	281.4	10.8	7295
11.5	2311	280.1	11.1	7579
12	2397	278.8	11.5	7863
12.5	2484	281.3	11.8	8148
13	2571	283.7	12.1	8432
13.5	2655	284.2	12.2	8708
14	2738	284.7	12.4	8981
14.5	2822	283.6	12.2	9257
15	2908	282.5	12	9539
15.5	2994	283.9	12	9821
16	3080	285.3	12.1	10104
16.5	3176	285.9	12.1	10417

1980 NORTHEAST CORRIDOR RE. .NAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800813	1300	408134	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	145	277.6	5	476
1	368	279.7	5.4	1208
1.5	598	280.8	5.3	1962
2	854	281.9	5.2	2801
2.5	887	283.6	5.2	2910
3	920	285.4	5.2	3019
3.5	1293	284.9	5.7	4241
4	1566	284.4	6.3	5135
4.5	1706	285.9	6.6	5597
5	1823	287.2	7	5980
5.5	1940	289.3	7.3	6363
6	2053	291.3	7.7	6734
6.5	2171	293.9	8.2	7122
7	2277	296.1	8.8	7467
7.5	2366	298.7	9.1	7759
8	2455	301.2	9.4	8051
8.5	2546	300.4	9.4	8350
9	2644	299.7	9.5	8671
9.5	2741	297.3	10	8992
10	2840	295.1	10.5	9314
10.5	2938	293.8	10.4	9635
11	3035	292.4	10.4	9956
11.5	3134	290.6	10.1	10278
12	3242	288.7	9.8	10634
12.5	0	290.1	9.6	0
13	0	291.5	9.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800814	500	408141	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	109	292.4	2.5	356
1	203	292.4	3.4	666
1.5	304	288.6	4.2	996
2	404	286.1	5	1325
2.5	505	281.9	5.4	1655
3	605	278.4	5.9	1984
3.5	704	275.9	6	2309
4	803	273.6	6.2	2634
4.5	902	271.6	6.1	2959
5	1001	269.6	6	3283
5.5	1100	266.1	5.9	3608
6	1186	262.5	5.8	3890
6.5	1283	261.3	6.2	4208
7	1383	260.3	6.7	4536
7.5	1483	265.8	7.3	4864
8	1580	270.4	7.9	5181
8.5	1671	276.3	8.6	5480
9	1762	281.2	9.4	5779
9.5	1870	283.4	10.3	6135
10	1968	285.2	11.3	6455
10.5	2063	286	12.7	6767
11	2157	286.6	14.1	7075
11.5	2249	284.5	15	7378
12	2341	282.7	16	7680
12.5	2434	281.2	15.9	7983
13	2526	279.6	15.8	8285
13.5	2618	278.9	15.3	8587
14	2709	278.2	14.9	8884
14.5	2799	277.3	14.3	9180
15	2891	276.3	13.7	9482
15.5	2984	275.4	13.3	9789
16	3078	274.4	12.9	10096
16.5	3172	271.3	12.7	10403
17	0	268	12.5	0
17.5	0	267.8	12.3	0
18	0	267.5	12.1	0

1980 NORTHEAST CO. .OOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800814	900	408143	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	108	226.5	1.9	354
1	222	229.7	4.7	727
1.5	339	230.1	5.9	1113
2	441	230.4	7.1	1445
2.5	517	231.1	7.1	1697
3	594	231.8	7.1	1949
3.5	671	232.9	7.3	2200
4	748	233.9	7.6	2452
4.5	824	236.4	7.7	2704
5	905	238.9	7.9	2969
5.5	988	243.5	8.1	3242
6	1072	247.8	8.4	3516
6.5	1155	253	8.4	3790
7	1239	258.1	8.5	4063
7.5	1322	265	8.6	4337
8	1414	271.5	8.9	4638
8.5	1508	274.8	9.7	4945
9	1592	277.6	10.6	5223
9.5	1671	277.9	10.6	5481
10	1752	278.2	10.7	5748
10.5	1845	280.1	10.2	6051
11	1938	282.2	9.8	6355
11.5	2030	285.8	10	6658
12	2122	289.3	10.2	6961
12.5	2215	293.9	11	7264
13	2307	297.9	11.8	7567
13.5	2399	298.9	12.7	7870
14	2496	299.8	13.7	8188
14.5	2599	295.6	14.5	8526
15	2700	291.9	15.3	8857
15.5	2791	287.4	16.6	9154
16	2882	283.5	17.9	9452
16.5	2973	282.3	18.1	9750
17	3063	281.2	18.3	10047
17.5	3154	281.6	17.7	10345

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800814	1300	408144	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	151	235.2	6.1	495
1	305	234.3	8.3	1000
1.5	459	232.4	9.5	1504
2	612	230.9	10.7	2008
2.5	739	231.4	10.8	2423
3	858	231.8	11	2815
3.5	1005	233.4	10.9	3295
4	1160	235.1	10.9	3806
4.5	1303	235.4	10.7	4275
5	1447	235.7	10.5	4745
5.5	1586	239.4	9.8	5202
6	1712	243.6	9.2	5615
6.5	1838	249.3	8.6	6027
7	1963	255.7	8.1	6439
7.5	2037	258.7	7.9	6680
8	2110	261.9	7.8	6922
8.5	2180	266.2	7.6	7150
9	2250	270.7	7.5	7381
9.5	2327	275.2	7.9	7632
10	2402	279.2	8.3	7880
10.5	2490	278.4	9.3	8167
11	2600	277.8	10.4	8529
11.5	2711	275.4	11.8	8891
12	2818	273.5	13.3	9244
12.5	2922	272.5	14.3	9584
13	3025	271.7	15.3	9923
13.5	3112	272.8	16.2	10207
14	3204	273.8	17.2	10509
14.5	0	274.9	18.2	0
15	0	275.8	19.2	0
15.5	0	274.3	19.9	0
16	0	272.9	20.7	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800815	500	408151	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	137	281.6	6.8	449
1	267	292.4	7.4	877
1.5	357	295.7	7.8	1172
2	449	298.6	8.2	1474
2.5	546	291.1	8.6	1792
3	646	284.5	9.2	2119
3.5	757	276.3	9.9	2482
4	858	269.4	10.8	2814
4.5	945	266.5	11.7	3101
5	1033	264	12.7	3387
5.5	1120	264.6	13.1	3674
6	1199	265.2	13.6	3933
6.5	1294	265.2	13.4	4244
7	1389	265.3	13.3	4556
7.5	1484	264.3	13.3	4868
8	1574	263.4	13.4	5162
8.5	1660	261.9	13.7	5445
9	1746	260.4	14.1	5728
9.5	1833	260.3	14.9	6011
10	1919	260.3	15.7	6294
10.5	2004	261.2	16.2	6572
11	2088	262	16.8	6850
11.5	2173	262.1	17.5	7126
12	2256	262.2	18.3	7400
12.5	2340	262.3	19.1	7674
13	2425	262.3	20	7953
13.5	2511	262.8	20.2	8236
14	2598	263.2	20.5	8520
14.5	2684	262.4	20.4	8803
15	2783	261.5	20.3	9127
15.5	2885	258.3	20	9462
16	2987	255.1	19.8	9796
16.5	3089	253.6	19.9	10131
17	3190	252.2	20	10463

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800815	700	408152	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	130	284.6	5.8	427
1	236	282.9	7.7	773
1.5	326	281.7	8.1	1069
2	405	280.7	8.6	1330
2.5	485	277.2	8.6	1592
3	565	273.7	8.7	1854
3.5	643	271.8	9.6	2109
4	713	270.3	10.6	2337
4.5	782	271.9	11.7	2566
5	852	273.2	12.8	2795
5.5	933	273.6	13.6	3059
6	1016	273.9	14.5	3332
6.5	1098	272.3	14.7	3600
7	1179	270.8	14.9	3866
7.5	1260	269	14.5	4132
8	1341	267	14.1	4398
8.5	1422	265.2	13.7	4663
9	1503	263.4	13.4	4929
9.5	1589	263.1	14.1	5213
10	1677	262.9	14.9	5502
10.5	1765	264	15.4	5790
11	1853	265.1	15.9	6079
11.5	1941	265.6	16.5	6367
12	2029	266	17.1	6655
12.5	2117	266.2	17.6	6944
13	2205	266.3	18.1	7232
13.5	2283	266.3	17.7	7489
14	2361	266.4	17.3	7745
14.5	2437	265.9	17.7	7994
15	2513	265.4	18.2	8241
15.5	2588	265.1	18.8	8489
16	2684	264.9	19.4	8802
16.5	2790	264.9	19.5	9152
17	2896	264.9	19.6	9500
17.5	2953	264.4	19.6	9686
18	3040	264	19.7	9972
18.5	3127	263.6	19.7	10258
19	3220	263.2	19.7	10563
19.5	0	263.4	19.2	0
20	0	263.6	18.8	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800815	1300	408154	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	134	275.6	11.6	441
1	269	276.6	11.4	882
1.5	387	276.2	11.7	1268
2	488	275.9	12	1599
2.5	582	274.6	12.3	1910
3	673	273.3	12.6	2208
3.5	764	271	12.5	2505
4	865	268.7	12.5	2836
4.5	973	269.1	13.1	3190
5	1080	269.5	13.7	3544
5.5	1188	272.2	14.8	3897
6	1296	274.6	15.9	4251
6.5	1377	275.3	16.4	4515
7	1457	276	16.9	4778
7.5	1538	275.5	16.8	5046
8	1622	275	16.8	5319
8.5	1705	273.5	16.8	5592
9	1788	272	16.9	5866
9.5	1893	270.6	17.2	6210
10	2004	269.2	17.6	6573
10.5	2098	268.2	17.8	6881
11	2192	267.3	18	7189
11.5	2285	266.4	17.8	7496
12	2378	265.4	17.7	7799
12.5	2469	265.1	17.8	8098
13	2560	264.9	17.9	8397
13.5	2651	264.9	18.2	8696
14	2742	264.9	18.4	8995
14.5	2833	265.6	18.6	9293
15	2924	266.2	18.8	9592
15.5	3016	266.9	18.9	9891
16	3107	267.5	19.1	10190
16.5	3210	266.7	19.7	10528
17	0	266	20.4	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800818	500	408181	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	119	229	7.1	391
1	203	233.8	7.8	666
1.5	280	234.3	8.3	920
2	358	234.7	8.9	1174
2.5	435	233.7	8.5	1428
3	513	232.5	8.1	1683
3.5	591	233.2	7.4	1938
4	670	234.1	6.7	2199
4.5	750	230.3	6.5	2460
5	830	226.3	6.4	2722
5.5	909	221.3	6.3	2983
6	989	216.3	6.3	3244
6.5	1069	217.7	6.3	3505
7	1148	219	6.4	3766
7.5	1228	219.5	6.4	4027
8	1307	220	6.5	4288
8.5	1387	214.9	6.6	4549
9	1466	209.9	6.7	4810
9.5	1546	203.9	6.8	5071
10	1616	198	6.9	5299
10.5	1721	199.8	7.1	5645
11	1806	201.5	7.4	5924
11.5	1891	207.8	7.2	6202
12	1976	214.3	7.1	6481
12.5	2062	217.5	6.6	6763
13	2148	221.1	6.2	7045
13.5	2228	221	6.4	7308
14	2308	221	6.6	7571
14.5	2388	221.3	6.3	7833
15	2468	221.7	6.1	8096
15.5	2548	222.1	5.2	8359
16	2628	222.6	4.4	8621
16.5	2709	227.4	4.5	8884
17	2789	231.8	4.7	9147
17.5	2869	236	4.8	9409
18	2949	240	5	9672
18.5	3029	245.9	4.9	9935
19	3109	252	4.9	10197
19.5	3188	253	4.9	10458
20	0	253.9	5	0

1980 NORTHEAST CORRIDOR REGION
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800818	700	408182	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	117	215.2	6.2	383
1	228	227.5	7.1	748
1.5	318	234.1	7.6	1043
2	405	239.9	8.2	1329
2.5	488	239.2	8	1599
3	570	238.4	7.8	1870
3.5	653	233.8	7.7	2141
4	735	229.2	7.7	2412
4.5	816	224.5	7.7	2678
5	897	219.9	7.8	2941
5.5	977	215	7.6	3205
6	1058	209.9	7.4	3469
6.5	1139	207.3	7.1	3736
7	1224	204.5	6.8	4015
7.5	1309	203.3	6.7	4294
8	1394	202	6.6	4572
8.5	1479	199.3	7	4851
9	1564	196.8	7.4	5130
9.5	1669	198.5	7.8	5474
10	1775	200.1	8.3	5823
10.5	1881	207.7	8.2	6169
11	1970	215.4	8.2	6461
11.5	2055	220.2	7.7	6739
12	2139	225.5	7.3	7017
12.5	2224	225	7.1	7295
13	2309	224.4	6.9	7573
13.5	2393	222.8	7.1	7850
14	2478	221.3	7.3	8128
14.5	2563	219	7.2	8406
15	2648	216.7	7.2	8684
15.5	2732	214.3	6.8	8962
16	2817	211.7	6.5	9240
16.5	2930	212.2	5.9	9611
17	3051	212.7	5.4	10006
17.5	3171	221.1	5.2	10401

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800818	900	408183	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	152	242.6	4.8	499
1	264	238.9	6.5	866
1.5	349	235.3	7.4	1144
2	434	232.5	8.4	1422
2.5	518	229.4	8.1	1700
3	603	226	7.8	1978
3.5	688	223.1	7.6	2257
4	768	220	7.4	2520
4.5	849	217	7.5	2784
5	926	214.2	7.7	3037
5.5	1002	213.1	7.9	3285
6	1078	212.1	8.2	3537
6.5	1155	211.6	8.5	3790
7	1237	211.1	8.8	4058
7.5	1320	208.3	9	4330
8	1403	205.6	9.3	4601
8.5	1484	203.6	9.3	4868
9	1559	201.7	9.4	5114
9.5	1641	202.7	9.3	5382
10	1728	203.7	9.2	5667
10.5	1814	205.1	9.2	5951
11	1901	206.5	9.3	6235
11.5	1988	208.4	8.9	6520
12	2067	210.4	8.5	6780
12.5	2145	210.1	8.4	7036
13	2223	209.7	8.3	7291
13.5	2302	204.4	8.2	7550
14	2386	199.1	8.2	7825
14.5	2466	192.9	7.8	8088
15	2541	186.2	7.5	8334
15.5	2625	183.9	7.2	8611
16	2710	181.3	6.9	8888
16.5	2794	183.2	6	9165
17	2886	185.8	5.1	9467
17.5	2989	198	3.6	9804
18	3092	223.6	2.5	10142
18.5	3153	268.9	2.3	10341
19	3223	300.4	3.4	10570

1980 NORTHEAST COR OR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800819	500	408191	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	101	213.6	3.4	330
1	186	234.5	3.9	609
1.5	248	246.6	4.2	815
2	315	256.8	4.6	1034
2.5	382	258.7	4.7	1253
3	449	260.5	4.8	1472
3.5	516	258.7	4.7	1691
4	582	256.8	4.6	1910
4.5	649	258.3	4.4	2130
5	744	260	4.2	2439
5.5	856	261.9	4	2808
6	969	264	3.8	3177
6.5	1075	272.3	4	3527
7	1144	279.7	4.3	3753
7.5	1213	285.4	4.8	3978
8	1288	289.9	5.4	4225
8.5	1349	293.7	5.5	4425
9	1410	297.4	5.6	4625
9.5	1471	301.2	5.8	4824
10	1532	304.6	6.1	5024
10.5	1594	303.4	6.3	5228
11	1661	302.2	6.6	5449
11.5	1728	299	7.4	5669
12	1793	296.4	8.2	5882
12.5	1850	293.5	9	6067
13	1906	291.1	9.9	6252
13.5	1970	289.1	10.7	6461
14	2045	287.3	11.5	6706
14.5	2119	286.1	11.5	6951
15	2184	284.9	11.5	7164
15.5	2248	285.6	10.7	7372
16	2316	286.5	9.9	7597
16.5	2385	290.8	9.9	7822
17	2453	295.2	9.9	8047
17.5	2516	300.5	10	8252
18	2584	305.7	10.1	8476
18.5	2654	308.9	10.1	8705
19	2715	312.1	10.2	8906

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800819	700	408192	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	107	243.9	2.6	351
1	202	252.7	2.2	663
1.5	280	258.3	2.2	917
2	357	264	2.2	1171
2.5	434	266.1	2	1425
3	512	268.7	1.8	1679
3.5	590	269.2	1.6	1934
4	667	269.8	1.4	2188
4.5	745	267.9	2.1	2444
5	823	267	2.8	2699
5.5	904	266.3	3.7	2964
6	987	265.8	4.6	3237
6.5	1070	262.4	5.1	3509
7	1153	259.6	5.7	3781
7.5	1237	261.7	5.5	4058
8	1322	264	5.4	4337
8.5	1408	271.5	5.1	4617
9	1493	279.9	4.8	4896
9.5	1579	281.5	4.8	5180
10	1671	283.1	4.9	5480
10.5	1762	281.4	5.4	5779
11	1853	279.9	5.9	6079
11.5	1945	281.3	6.6	6379
12	2036	282.5	7.4	6678
12.5	2127	284.2	8	6978
13	2219	285.6	8.7	7277
13.5	2339	286	9.1	7671
14	2466	286.3	9.6	8088
14.5	2576	287.4	10	8448
15	2664	288.5	10.5	8738
15.5	2751	291.6	10.4	9022
16	2833	294.7	10.3	9291
16.5	2914	298	9.5	9557
17	2995	301.8	8.8	9823
17.5	3076	303.5	8.9	10089
18	3157	305.1	9.1	10354
18.5	3234	304.4	9.8	10606
19	0	303.8	10.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800819	900	408193	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	173	237.1	1.9	567
1	308	229.4	2.1	1009
1.5	442	217.9	2.1	1450
2	576	206.5	2.1	1890
2.5	690	212.4	2.1	2262
3	789	218	2.2	2587
3.5	886	246.4	2.8	2907
4	977	261.9	3.9	3205
4.5	1068	266.7	4.7	3504
5	1159	270	5.6	3803
5.5	1251	266.2	5.6	4102
6	1341	262.5	5.6	4400
6.5	1435	260.3	5.6	4706
7	1529	258.1	5.6	5016
7.5	1638	260.4	5.7	5374
8	1757	262.6	5.9	5764
8.5	1876	266.1	6	6154
9	1971	269.5	6.1	6466
9.5	2063	271	6.5	6768
10	2157	272.4	7	7076
10.5	2248	273	7.4	7373
11	2338	273.6	7.9	7669
11.5	2430	275.7	8.3	7971
12	2526	277.6	8.7	8285
12.5	2622	282.7	8.9	8601
13	2719	287.5	9.2	8918
13.5	2805	292.7	9	9201
14	2891	298.1	8.8	9483
14.5	2977	298.4	8.7	9766
15	3063	298.8	8.7	10048
15.5	3150	298.9	8.9	10331
16	3229	298.9	9.2	10591

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800819	1300	408194	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	264	2.3	370
1	237	257.7	2.7	777
1.5	369	248.9	3.4	1209
2	500	243.1	4.1	1640
2.5	609	240.8	4.8	1997
3	718	239.2	5.6	2354
3.5	827	243	5.7	2711
4	936	246.7	5.9	3071
4.5	1047	250.6	5.7	3435
5	1158	254.8	5.5	3799
5.5	1269	253.9	5.8	4162
6	1398	253.1	6.2	4587
6.5	1528	252.4	6.5	5012
7	1648	251.7	6.8	5405
7.5	1765	255.9	6.7	5789
8	1852	260.2	6.6	6076
8.5	1951	261.5	6.7	6399
9	2074	262.8	6.8	6802
9.5	2196	262.1	6.6	7204
10	2310	261.4	6.5	7577
10.5	2410	265.9	6.4	7906
11	2511	270.5	6.4	8235
11.5	2611	273.1	6.4	8563
12	2711	275.8	6.4	8892
12.5	2811	273.8	6.4	9221
13	2911	271.9	6.4	9549
13.5	3012	271.7	6.5	9878
14	3112	271.5	6.7	10207
14.5	3212	275.7	7.2	10534
15	3311	279.3	7.7	10859
15.5	0	283.6	7.8	0
16	0	287.8	7.9	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800820	700	408202	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	154	13.3	7.4	505
1	313	19.2	7.1	1027
1.5	473	18	6.5	1550
2	607	16.5	6	1992
2.5	691	9	5.3	2268
3	784	359.6	4.8	2570
3.5	880	351.3	4.1	2888
4	999	339.9	3.5	3276
4.5	1117	328.3	3	3663
5	1235	313.2	2.7	4050
5.5	1353	309.7	2.5	4438
6	1465	305.8	2.4	4806
6.5	1568	302.1	2.6	5143
7	1665	299	2.8	5461
7.5	1783	304.3	3.5	5848
8	1901	307.8	4.2	6235
8.5	2019	313.9	4.6	6622
9	2123	319	5	6965
9.5	2228	323	4.9	7307
10	2332	327	4.9	7649
10.5	2436	334	5.3	7991
11	2541	340.1	5.7	8333
11.5	2645	339.7	7.1	8676
12	2752	339.5	8.6	9027
12.5	2859	337.2	10.3	9379
13	2967	335.6	12	9731
13.5	3074	337.3	12.4	10083
14	3167	338.9	12.9	10387
14.5	3250	342.4	12.8	10660

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800820	900	408203	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	200	43.3	7.2	656
1	323	46.7	7	1059
1.5	413	45.7	6.7	1355
2	503	44.7	6.5	1650
2.5	588	40.1	6.3	1930
3	684	35.2	6.2	2244
3.5	802	30.6	5.6	2632
4	920	24.9	5.1	3019
4.5	1039	16	4.4	3407
5	1157	4.3	3.9	3794
5.5	1263	.2	3.2	4144
6	1349	354	2.6	4424
6.5	1413	347.8	2	4636
7	1478	336.3	1.4	4848
7.5	1554	345.1	1.4	5097
8	1647	353.3	1.5	5401
8.5	1739	17.8	2.4	5704
9	1831	28	3.5	6007
9.5	1924	19.9	4.6	6311
10	2011	15	5.8	6597
10.5	2077	7.3	5.8	6814
11	2140	359.8	5.9	7019
11.5	2200	.1	5.2	7215
12	2259	.4	4.6	7411
12.5	2319	6.6	4.3	7607
13	2379	13.7	4	7803
13.5	2439	16.1	4.5	7999
14	2498	18	5	8195
14.5	2558	13.5	5.8	8391
15	2618	10.1	6.7	8587
15.5	2698	7.3	7.4	8848
16	2777	5.1	8.2	9110
16.5	2857	1	8.6	9371
17	2937	357.3	9.1	9633
17.5	3016	355	9.8	9894
18	3096	353.1	10.5	10155

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD, BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800820	1300	408204	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	74	58.7	7.5	242
1	146	58.2	8	478
1.5	209	57.5	7.6	684
2	271	56.7	7.3	890
2.5	334	56.7	6.9	1097
3	397	56.7	6.4	1303
3.5	461	56.1	6.6	1511
4	525	55.6	6.8	1723
4.5	590	55.7	6.6	1935
5	654	55.8	6.5	2146
5.5	719	53.8	6.4	2358
6	784	51.8	6.3	2570
6.5	848	49	6.3	2781
7	913	46.3	6.4	2993
7.5	977	43.7	6.3	3204
8	1041	41.1	6.2	3416
8.5	1106	36.8	6.1	3628
9	1164	32.4	6.1	3819
9.5	1223	29.7	5.6	4013
10	1285	26.5	5.2	4215
10.5	1347	22.9	4.5	4418
11	1409	18	3.8	4620
11.5	1442	15.5	3.6	4729
12	1467	12.8	3.4	4813
12.5	1493	9.7	3.7	4898
13	1534	7.1	4	5030
13.5	1632	3.6	4	5352
14	1730	0	4	5674
14.5	1828	.3	3.5	5996
15	1913	.7	3.1	6276
15.5	1978	.3	3	6487
16	2040	359.8	2.9	6690
16.5	2101	359.3	2.8	6892
17	2163	358.8	2.8	7095
17.5	2225	5.7	2.5	7298
18	2287	14.2	2.3	7500
18.5	2354	10.5	2.3	7722
19	2415	7	2.4	7920
19.5	2470	351.4	2.6	8100
20	2524	338.5	2.9	8279

1980 NORTHEAST CORR JR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800821	500	408211	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	85	34.2	7.7	279
1	169	38.7	8.6	553
1.5	250	41.6	9.5	820
2	331	44	10.5	1087
2.5	448	45.3	10.5	1469
3	588	46.5	10.6	1929
3.5	736	45.8	9.7	2414
4	889	44.9	8.8	2917
4.5	1042	42.7	8.4	3419
5	1196	40.3	8	3922
5.5	1349	39.7	8.4	4425
6	1445	39.1	8.9	4740
6.5	1534	36.8	9.4	5032
7	1607	34.8	10	5272
7.5	1688	33	10.3	5535
8	1761	31.3	10.6	5775
8.5	1823	30.1	10.5	5979
9	1903	28.9	10.5	6242
9.5	1983	25.8	10.1	6504
10	2069	22.5	9.8	6785
10.5	2177	19.9	9.6	7139
11	2285	17.1	9.4	7494
11.5	2393	16.2	9.6	7848
12	2501	15.3	9.9	8203
12.5	2606	17.1	9.9	8548
13	2706	18.9	10	8876
13.5	2791	21.8	9.2	9153
14	2868	25.2	8.5	9408
14.5	2946	20.9	7.4	9664
15	3024	15.2	6.3	9919
15.5	3102	5.7	5.8	10175
16	3178	354.7	5.4	10423

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800821	700	408212	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	64	28.5	6.7	210
1	128	33.2	6.4	420
1.5	186	36	6.7	610
2	244	38.5	7	801
2.5	302	37.8	7.9	991
3	360	37.2	8.8	1182
3.5	414	37	9.4	1358
4	466	36.8	10	1530
4.5	519	38.2	10	1702
5	569	39.5	10	1867
5.5	620	40.2	9.9	2032
6	670	40.9	9.8	2196
6.5	720	39.7	9.7	2361
7	770	38.5	9.6	2525
7.5	820	39.2	9.9	2690
8	870	39.8	10.3	2855
8.5	920	41.9	10.4	3019
9	971	44	10.5	3184
9.5	1021	46.4	10.4	3348
10	1071	48.9	10.4	3513
10.5	1121	51.6	10.5	3678
11	1171	54.3	10.6	3842
11.5	1222	56.3	11	4007
12	1272	58.1	11.4	4172
12.5	1322	58.5	11.9	4336
13	1364	58.9	12.4	4473
13.5	1405	56.5	12	4609
14	1447	54	11.7	4746
14.5	1489	49.2	11.7	4883
15	1529	44.4	11.7	5014
15.5	1568	41.1	11.7	5144
16	1608	37.8	11.7	5274
16.5	1651	35	11.5	5415
17	1694	32.1	11.3	5556
17.5	1742	30.6	11.9	5715
18	1791	29.3	12.5	5874
18.5	1839	29.5	12.7	6032
19	1888	29.6	12.9	6191
19.5	1936	30.6	12.2	6350

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800821	900	408213	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	92	30.2	7.2	303
1	265	27	7.8	870
1.5	404	34.4	10	1326
2	535	39	12.4	1754
2.5	665	44	12.4	2181
3	795	49	12.5	2606
3.5	924	52.1	11.1	3032
4	1054	56.1	9.7	3457
4.5	1146	54.9	10	3758
5	1238	53.8	10.4	4059
5.5	1329	52.3	10.2	4360
6	1421	50.8	10.1	4662
6.5	1513	48	10.8	4963
7	1602	45.6	11.5	5256
7.5	1689	43.9	12.6	5541
8	1776	42.5	13.7	5825
8.5	1879	41.8	14	6162
9	1981	41.1	14.4	6499
9.5	2070	40.6	13.7	6790
10	2169	40	13	7113
10.5	2269	40.3	12	7443
11	2359	40.7	11.1	7736
11.5	2440	37.4	10.6	8002
12	2516	33.8	10.1	8251
12.5	2588	31.4	10.2	8490
13	2661	29.1	10.3	8728
13.5	2734	29.7	10.6	8967
14	2813	30.2	10.9	9225
14.5	2916	27	10.7	9563
15	3017	23.8	10.6	9895

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800821	1300	408214	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	128	18	9.3	421
1	259	18	8.6	848
1.5	393	20	8.5	1290
2	528	22.1	8.4	1731
2.5	663	26.1	8.7	2173
3	795	29.8	9	2606
3.5	917	35.6	9.6	3008
4	1040	40.8	10.2	3410
4.5	1162	47.1	10.8	3811
5	1284	52.7	11.5	4213
5.5	1392	56.3	11.4	4565
6	1476	59.9	11.4	4842
6.5	1563	58.3	10.7	5125
7	1651	56.4	10.1	5416
7.5	1740	53.2	9.4	5707
8	1829	49.5	8.8	5998
8.5	1915	48	8.7	6280
9	1999	46.5	8.6	6556
9.5	2083	44.4	8.9	6833
10	2167	42.4	9.2	7109
10.5	2254	43.1	10.2	7392
11	2342	43.7	11.3	7683
11.5	2431	46.8	12.2	7974
12	2520	49.5	13.2	8266
12.5	2609	51.5	13.2	8557
13	2698	53.4	13.2	8848
13.5	2782	53.1	12.5	9126
14	2860	52.7	11.8	9382
14.5	2938	49.1	11.1	9638
15	3017	45	10.4	9895
15.5	3095	40	10	10151
16	3178	34.6	9.6	10424

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800822	500	408221	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	100	41.9	8.3	328
1	202	42.4	9.2	663
1.5	305	46.2	10	1002
2	409	49.5	10.8	1342
2.5	513	54.1	11.3	1681
3	616	58.3	11.8	2021
3.5	720	62.9	11.8	2360
4	803	67.5	11.8	2633
4.5	872	69.4	11.5	2861
5	941	71.3	11.2	3088
5.5	1011	69.9	10.7	3316
6	1080	68.4	10.3	3544
6.5	1150	67.7	10.1	3772
7	1219	66.9	9.9	3999
7.5	1289	68	9.7	4227
8	1358	69.1	9.6	4455
8.5	1428	72.9	9.4	4683
9	1497	76.8	9.3	4911
9.5	1556	78.5	9.1	5105
10	1613	80.3	9	5292
10.5	1670	78.2	8.6	5479
11	1727	75.9	8.3	5665
11.5	1784	73.3	8.3	5852
12	1841	70.7	8.3	6038
12.5	1896	70.7	8.3	6218
13	1950	70.7	8.3	6397
13.5	2010	69.8	8.1	6592
14	2073	68.9	7.9	6798
14.5	2139	67.1	7.8	7015
15	2206	65.2	7.7	7235
15.5	2273	63.3	7.6	7454
16	2340	61.3	7.6	7674
16.5	2407	61.3	7.6	7894
17	2469	61.3	7.6	8099
17.5	2525	63	7.5	8282
18	2581	64.8	7.5	8465
18.5	2641	65.9	7.5	8664
19	2703	67	7.5	8867
19.5	2765	65.3	7	9070
20	2827	63.4	6.6	9273
20.5	2889	63.9	6.5	9476
21	2952	64.4	6.5	9681
21.5	3016	67.3	6.8	9892
22	3080	69.9	7.2	10102
22.5	3138	69.5	7.3	10291
23	[illegible]	[illegible]	[illegible]	[illegible]

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800822	700	408222	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	140	44.4	9.6	459
1	246	47.3	11.2	808
1.5	353	51.7	12.1	1157
2	459	55.4	13.1	1506
2.5	562	60.9	13	1843
3	659	66.4	13.1	2163
3.5	757	69.8	12.8	2483
4	855	73.3	12.6	2803
4.5	952	73.1	12.3	3123
5	1050	72.9	12.1	3443
5.5	1148	72.7	11.8	3764
6	1245	72.4	11.6	4084
6.5	1337	75.4	11.2	4386
7	1426	78.6	10.9	4678
7.5	1515	81.2	10.6	4969
8	1583	84	10.4	5193
8.5	1651	82.4	10.3	5416
9	1719	80.8	10.3	5639
9.5	1788	79.9	10.1	5863
10	1855	79	10	6086
10.5	1923	79.2	9.6	6309
11	1992	79.5	9.2	6534
11.5	2062	79.4	9	6762
12	2131	79.3	8.9	6990
12.5	2201	78.7	8.7	7219
13	2270	78.1	8.5	7447
13.5	2340	76.9	8.2	7676
14	2410	75.6	8	7904
14.5	2479	75.8	8.1	8132
15	2549	75.9	8.3	8361
15.5	2619	75.9	8.3	8589
16	2688	75.9	8.3	8818
16.5	2758	77.5	8.4	9046
17	2827	79.1	8.6	9274
17.5	2897	81.2	8.9	9503
18	2967	83.1	9.3	9731
18.5	3037	83.6	9.3	9960
19	3106	84	9.4	10188
19.5	3184	83.6	9.4	10445
20	3265	83.1	9.4	10710
20.5	3346	81.3	9.5	10975
21	0	79.6	9.6	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800822	900	408223	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	109	46.9	8.2	358
1	235	55.7	10.5	771
1.5	364	63.6	11.4	1194
2	487	70.3	12.4	1598
2.5	611	77.6	12.5	2003
3	734	84.7	12.8	2408
3.5	841	86.9	13.1	2758
4	921	89	13.4	3021
4.5	991	89.1	13	3252
5	1062	89.3	12.7	3482
5.5	1132	88.7	12.5	3713
6	1211	88.1	12.4	3973
6.5	1297	87.8	12.4	4254
7	1370	87.4	12.4	4493
7.5	1443	86.8	12.1	4732
8	1516	86.1	11.9	4971
8.5	1595	85.5	11.5	5231
9	1676	84.8	11.1	5497
9.5	1759	87.1	10.8	5770
10	1842	89.6	10.5	6043
10.5	1924	90.9	10.3	6310
11	1997	92.3	10.2	6550
11.5	2070	89.5	9.9	6790
12	2148	86.6	9.7	7045
12.5	2233	84	9.2	7324
13	2318	81.1	8.7	7602
13.5	2402	80.6	8.7	7879
14	2487	80.2	8.8	8156
14.5	2571	81.2	9	8434
15	2643	82.2	9.2	8670
15.5	2707	82.6	9.1	8879
16	2779	83.1	9.1	9116
16.5	2852	82.6	9	9353
17	2923	82.1	9	9589
17.5	2997	82.1	8.9	9830
18	3062	82.1	8.8	10042
18.5	3126	81.2	8.9	10254

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800822	1300	408224	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	158	48.1	5.5	518
1	307	56.1	5.9	1007
1.5	456	61.1	6.9	1496
2	605	64.7	8	1984
2.5	760	69.7	8.6	2494
3	916	74	9.2	3003
3.5	1071	78.5	9	3512
4	1226	83.1	8.9	4021
4.5	1336	82.6	8.8	4381
5	1420	82.1	8.7	4659
5.5	1505	81.6	8.7	4937
6	1614	81.1	8.7	5294
6.5	1709	84	8.4	5604
7	1805	87.1	8.2	5920
7.5	1908	89.3	7.9	6257
8	2000	91.7	7.6	6561
8.5	2093	89.8	7.2	6865
9	2200	87.7	6.8	7216
9.5	2298	85.8	6.8	7536
10	2395	84	6.9	7857
10.5	2491	82.2	6.9	8171
11	2584	80.4	6.9	8475
11.5	2677	76.8	7	8779
12	2769	73.3	7.1	9083
12.5	2862	71.9	7.3	9387
13	2955	70.5	7.5	9691
13.5	3047	69.7	7.4	9995
14	3140	68.9	7.3	10299

1980 NORTHEAST CORRIDOR REGION
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800825	500	408251	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	40	303.3	5.1	130
1	79	322.4	4.6	260
1.5	123	338.1	4.4	405
2	171	354.1	4.5	561
2.5	218	4.4	4.5	714
3	264	14.2	4.7	865
3.5	310	18	4.7	1016
4	356	21.7	4.8	1167
4.5	402	18	5.1	1318
5	448	14.8	5.5	1469
5.5	498	11.9	5.8	1634
6	548	9.3	6.1	1799
6.5	599	7.6	5.9	1964
7	649	5.9	5.8	2128
7.5	699	1.3	5.6	2293
8	749	356.4	5.4	2458
8.5	800	353	5.2	2623
9	850	349.5	5.1	2787
9.5	900	350.6	4.9	2951
10	948	351.7	4.8	3111
10.5	997	354.1	4.5	3271
11	1046	356.9	4.2	3430
11.5	1095	358.8	4.1	3590
12	1143	.7	4.1	3750
12.5	1192	.2	4.2	3909
13	1241	359.8	4.4	4069
13.5	1289	1	4.7	4229
14	1338	2.1	5	4388
14.5	1387	3.5	4.9	4548
15	1435	5	4.8	4708
15.5	1484	2.7	4.7	4868
16	1541	.4	4.6	5055
16.5	1596	355.5	4.6	5234
17	1640	350.8	4.7	5378
17.5	1683	347.3	4.3	5521
18	1727	343.2	4	5665
18.5	1771	344.7	3.4	5809
19	1815	346.7	2.9	5952
19.5	1857	352.6	2.5	6092
20	1900	.7	2.1	6232
20.5	1943	4.2	1.9	6372
21	1985	8.3	1.8	6511
21.5	2028	7.8	1.7	6651
22	2070	7.3	1.7	6791
22.5	2113	15.1	1.5	6931
23	2156	24.5	1.4	7071

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800825	700	408252	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	100	24.1	5.7	327
1	172	24.5	5.4	563
1.5	245	20.5	5.3	803
2	330	16.3	5.2	1081
2.5	414	13.3	5.5	1358
3	491	10.6	5.9	1609
3.5	565	11.6	6.2	1853
4	639	12.6	6.5	2097
4.5	714	14.6	6.3	2341
5	788	16.6	6.2	2585
5.5	863	20.9	6	2829
6	937	25.5	5.8	3073
6.5	1019	30	5.5	3342
7	1101	35	5.2	3610
7.5	1185	38.5	4.8	3887
8	1270	42.6	4.4	4167
8.5	1355	39.9	4.3	4446
9	1441	37.1	4.2	4725
9.5	1526	29	3.2	5005
10	1604	14.2	2.3	5261
10.5	1687	355.5	3.2	5533
11	1770	345.6	4.3	5806
11.5	1853	346.7	4.7	6078
12	1936	347.7	5.1	6350
12.5	2038	348	3.8	6684
13	2139	348.6	2.5	7017
13.5	2241	1.3	2.1	7351
14	2343	18	1.9	7685
14.5	2445	28.1	1.8	8018
15	2531	39.5	1.7	8302
15.5	2614	35.5	2	8573
16	2700	32.6	2.4	8857
16.5	2802	26.3	2.6	9192
17	2904	21	2.9	9526
17.5	2983	16.5	3	9784
18	3056	12.3	3.1	10025
18.5	3137	26	3.3	10289
19	3216	37.7	3.6	10548
19.5	3296	47.6	4.8	10811

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800825	900	408253	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	39	350.3	2.6	127
1	77	5.5	2.8	253
1.5	116	16.4	2.6	380
2	154	28.6	2.5	506
2.5	193	32.1	2.5	633
3	239	35.5	2.5	783
3.5	282	29.5	3	926
4	325	25.3	3.6	1065
4.5	367	23.2	4.2	1205
5	410	21.7	4.8	1344
5.5	452	18.9	5.2	1483
6	494	16.5	5.7	1621
6.5	536	12.7	5.7	1758
7	578	8.8	5.7	1896
7.5	620	6.7	5.8	2033
8	662	4.6	5.9	2171
8.5	704	.1	5.2	2309
9	746	354.1	4.5	2446
9.5	788	356.4	5.2	2584
10	830	358.2	5.9	2721
10.5	872	1.8	6.6	2859
11	913	4.7	7.3	2996
11.5	955	4.2	6.4	3134
12	997	3.5	5.5	3271
12.5	1039	6	5.1	3409
13	1081	8.9	4.8	3547
13.5	1123	12.1	4.4	3684
14	1165	15.9	4.1	3822
14.5	1207	16.9	3.9	3959
15	1249	18	3.8	4097
15.5	1296	16.9	3.8	4250
16	1342	15.7	3.8	4403
16.5	1389	15.7	3.8	4555
17	1435	15.7	3.8	4708
17.5	1482	16.8	3.6	4861
18	1529	18	3.5	5014
18.5	1575	18	3.2	5167
19	1623	18	2.9	5325
19.5	1673	19.6	2.7	5487

1980 NORTHEAST CORRIDOR REG1
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800825	1300	408254	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	22.8	3.7	371
1	226	22.6	3.8	740
1.5	319	22.5	3.9	1047
2	413	22.4	4	1354
2.5	506	23.6	3.8	1661
3	600	25	3.7	1968
3.5	694	27.2	3.8	2275
4	788	29.2	3.9	2583
4.5	881	24.6	4	2890
5	1004	20.2	4.1	3294
5.5	1127	13.4	3.8	3697
6	1250	5.7	3.6	4101
6.5	1403	.7	3.6	4602
7	1563	355.9	3.7	5127
7.5	1684	354	3.9	5524
8	1795	352.4	4.2	5888
8.5	1906	352.6	4.4	6253
9	2018	352.8	4.7	6618
9.5	2129	351.5	5	6983
10	2209	350.3	5.3	7245
10.5	2294	345	5.3	7523
11	2378	339.7	5.4	7800
11.5	2463	331.9	5.5	8078
12	2547	324.5	5.7	8355
12.5	2631	319	5.9	8631
13	2713	313.9	6.1	8899
13.5	2795	320.5	5.2	9168
14	2910	330	4.3	9546
14.5	2997	3.1	3.8	9831
15	3072	33.1	4.7	10075
15.5	3146	41.5	5	10318
16	3220	49	5.3	10561
16.5	3293	55.1	4.7	10801
17	3366	63.1	4.1	11042

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800826	500	408261	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	56	282.5	1.8	183
1	112	272.1	2.1	367
1.5	168	271.9	1.6	550
2	231	271.5	1.1	759
2.5	297	249.9	.9	974
3	362	219.5	.8	1188
3.5	428	210.8	1.3	1403
4	493	207.2	1.9	1616
4.5	557	213.6	1.7	1828
5	622	221.7	1.5	2040
5.5	686	244.8	1.7	2251
6	751	260.3	2.2	2463
6.5	816	264	2.5	2675
7	880	266.8	2.9	2887
7.5	945	278.1	2.7	3098
8	1009	290.7	2.6	3310
8.5	1074	300.3	2.6	3522
9	1138	310	2.6	3733
9.5	1203	308	2.5	3945
10	1267	305.8	2.4	4157
10.5	1333	306.7	2.6	4373
11	1405	307.5	2.8	4607
11.5	1476	317.5	2.8	4841
12	1548	327.5	2.8	5076
12.5	1618	338.6	3.3	5306
13	1688	346.7	3.8	5535
13.5	1757	348.8	4.5	5764
14	1826	350.3	5.3	5988
14.5	1889	352	5.4	6196
15	1952	353.6	5.5	6404
15.5	2016	354.8	5.6	6612
16	2080	356	5.7	6824
16.5	2146	356.6	5.8	7040
17	2212	357.1	6	7256
17.5	2278	354.7	6	7472
18	2344	352.3	6	7688
18.5	2409	348.9	5.5	7901
19	2473	344.8	5	8113
19.5	2538	344.2	4.6	8325
20	2603	343.4	4.3	8537

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800826	700	408262	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	89	30.2	1.4	292
1	168	51.8	2.2	550
1.5	238	57.7	2.1	782
2	306	63.9	2.1	1005
2.5	377	66	1.6	1237
3	449	69.6	1.2	1472
3.5	520	34.6	1.4	1707
4	592	13.3	1.9	1942
4.5	664	2.6	2.6	2177
5	735	356.7	3.4	2412
5.5	807	350.1	3.6	2647
6	881	344.3	3.9	2889
6.5	958	340.7	3.9	3141
7	1034	337.1	4	3393
7.5	1111	336.3	3.7	3645
8	1188	335.4	3.4	3897
8.5	1265	338	3.6	4149
9	1342	340.4	3.8	4401
9.5	1419	345.2	4.7	4653
10	1488	348.4	5.6	4882
10.5	1556	349.5	5.9	5104
11	1627	350.5	6.3	5338
11.5	1703	355.4	6.4	5587
12	1779	.1	6.5	5836
12.5	1855	5.5	6.7	6085
13	1931	10.5	7	6334
13.5	2003	12	6.6	6571
14	2076	13.8	6.2	6809
14.5	2149	9.5	5.7	7048
15	2222	4.4	5.2	7288
15.5	2295	.6	5.4	7529
16	2369	357.1	5.6	7769
16.5	2442	352.3	5.6	8010
17	2507	347.6	5.7	8222
17.5	2571	342.3	5.4	8434
18	2636	336.3	5.1	8647
18.5	2704	336	4.4	8870
19	2782	335.5	3.8	9126
19.5	2855	340.1	3.6	9366
20	2929	345.3	3.4	9606
20.5	3002	353.5	3.5	9846
21	3075	1.1	3.7	10087
21.5	3148	359.1	3.3	10327
22	3225	356.5	2.9	10577
22.5	0	341.3	2.7	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800826	900	408263	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	167	33.6	1.1	547
1	222	55.2	1.5	728
1.5	409	56	1.8	1342
2	485	56.5	2.2	1592
2.5	562	38.9	2.6	1842
3	638	26.5	3.1	2093
3.5	714	14.3	3.5	2343
4	791	4.8	4	2594
4.5	867	358	4	2844
5	943	351.4	4.1	3094
5.5	1020	351.7	4.3	3345
6	1096	352	4.5	3595
6.5	1173	355.5	5.2	3846
7	1249	358.2	5.9	4096
7.5	1325	358.9	6.3	4347
8	1402	359.5	6.7	4597
8.5	1478	359.5	6.7	4847
9	1554	359.5	6.7	5098
9.5	1634	359	6.8	5360
10	1719	358.6	6.9	5638
10.5	1800	359.9	6.9	5904
11	1875	1.3	6.9	6151
11.5	1951	2.6	6.6	6398
12	2026	4.1	6.4	6645
12.5	2105	1.4	5.9	6903
13	2185	358.2	5.4	7168
13.5	2266	354	5.2	7433
14	2347	349.5	5.1	7699
14.5	2428	347.2	5.2	7964
15	2509	344.9	5.3	8229
15.5	2590	341.6	5.1	8494
16	2670	338.2	5	8759
16.5	2752	337.9	4.8	9025
17	2832	337.6	4.7	9290
17.5	2914	341.2	4.3	9557
18	2997	345.5	4	9829
18.5	3080	341.4	3.6	10102
19	3163	336.3	3.2	10375
19.5	3243	323.3	3.6	10638
20	3319	313.4	4.2	10887
20.5	3395	313.7	5.1	11136
21	0	313.9	6.1	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800826	1300	408264	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	139	63.9	.9	457
1	262	9.7	1.1	859
1.5	373	341.4	1.3	1224
2	484	323.6	1.7	1589
2.5	596	308	1.8	1954
3	707	294.7	2	2319
3.5	786	287.3	2.2	2579
4	866	281.3	2.5	2839
4.5	945	297	2.4	3100
5	1096	312.8	2.5	3595
5.5	1247	326.4	3.2	4090
6	1398	334.8	4	4585
6.5	1527	338.2	4.8	5010
7	1640	340.7	5.6	5379
7.5	1728	343.8	5.7	5667
8	1815	346.7	5.9	5954
8.5	1903	342.1	5.6	6241
9	1990	336.9	5.3	6528
9.5	2078	330.9	5.3	6816
10	2202	324.9	5.3	7222
10.5	2300	321.9	5.4	7544
11	2390	319	5.5	7839
11.5	2496	322.1	5	8188
12	2603	325.8	4.6	8537
12.5	2709	327.9	3.9	8886
13	2816	330.9	3.3	9235
13.5	2922	324	3.9	9584
14	3028	319	4.5	9933
14.5	3135	323.2	5.6	10282
15	3238	326	6.8	10619

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800827	500	408271	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	144	319	6.4	473
1	235	320.5	5.3	772
1.5	319	334	5.9	1047
2	403	344.6	6.7	1322
2.5	487	341	7.1	1596
3	573	337.9	7.6	1881
3.5	665	321.8	6.8	2181
4	756	303.5	6.7	2480
4.5	848	297.8	6.8	2780
5	939	292.4	7	3079
5.5	1030	291.8	6.8	3379
6	1122	291.1	6.7	3679
6.5	1213	287.3	6.6	3978
7	1304	283.4	6.6	4278
7.5	1392	277.7	7.1	4567
8	1474	272.8	7.6	4835
8.5	1549	271.9	7.9	5081
9	1632	271.1	8.3	5354
9.5	1728	273.2	7.7	5668
10	1824	275.7	7.2	5983
10.5	1906	275.3	6.3	6253
11	1989	274.7	5.5	6523
11.5	2068	267.2	5.3	6784
12	2145	259.2	5.2	7034
12.5	2220	255.6	5.5	7283
13	2297	252.4	5.8	7533
13.5	2380	255.5	5.9	7808
14	2470	258.5	6.1	8101
14.5	2559	264	5.8	8395
15	2649	270.1	5.5	8688
15.5	2738	281.2	4.7	8981
16	2827	295.7	4.2	9274
16.5	2920	305	4	9577
17	3016	315	3.9	9894
17.5	3113	315.8	3.7	10211
18	3198	316.7	3.5	10489
18.5	3284	325.5	3.6	10771
19	3370	333.9	3.7	11053

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1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800827	700	408272	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	77	308.6	4.6	253
1	178	330.9	3.3	583
1.5	246	349.1	3	807
2	292	9.3	3	958
2.5	329	7.2	2.8	1079
3	366	4.8	2.7	1200
3.5	448	350.8	2.4	1468
4	529	333.5	2.2	1736
4.5	611	316	2.6	2003
5	692	304	3.2	2271
5.5	774	303.3	3.8	2538
6	855	302.8	4.4	2806
6.5	937	300.2	4.7	3073
7	1019	298	5	3341
7.5	1100	292	5.6	3608
8	1177	287.3	6.3	3859
8.5	1246	283.9	6.7	4086
9	1315	280.8	7.1	4313
9.5	1384	276	7	4539
10	1453	271.2	7	4766
10.5	1517	269	7.5	4976
11	1581	267.1	8	5187
11.5	1653	268.5	8.3	5422
12	1730	269.8	8.7	5674
12.5	1807	270.2	8.1	5926
13	1883	270.7	7.5	6177
13.5	1960	267.6	6.9	6429
14	2037	264	6.4	6681
14.5	2114	264	6.5	6933
15	2189	264	6.5	7181
15.5	2260	269.7	6.7	7414
16	2332	275	6.9	7648
16.5	2403	280.7	6.9	7881
17	2474	286.5	6.9	8115
17.5	2545	293.5	6.5	8348
18	2616	301.2	6.3	8582
18.5	2688	304.8	5.6	8815
19	2757	309.4	4.9	9044
19.5	2826	308.8	4.2	9269
20	2902	308	3.6	9520
20.5	2979	315.7	3.6	9771
21	3049	323.2	3.7	10001
21.5	3120	330.5	4.1	10234
22	3192	336.3	4.6	10471
22.5	3267	338.8	4.8	10717
23	[illegible]	[illegible]	[illegible]	[illegible]

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800827	900	408273	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	65	295.7	2.8	212
1	129	297.1	2.9	424
1.5	194	294.9	2.7	636
2	253	292.4	2.5	831
2.5	313	287.9	2	1026
3	372	280.5	1.5	1221
3.5	432	274.8	1.1	1416
4	491	264	.8	1611
4.5	550	255.4	1	1805
5	610	249.6	1.2	2000
5.5	669	253.4	1.6	2195
6	729	255.6	2	2390
6.5	788	258.9	2.4	2585
7	848	261.1	2.9	2780
7.5	907	265.2	3.3	2975
8	966	268.5	3.7	3169
8.5	1026	271.1	4.1	3364
9	1085	273.2	4.6	3559
9.5	1145	274.5	5.2	3754
10	1204	275.6	5.8	3949
10.5	1263	275.7	6.1	4144
11	1323	275.8	6.4	4339
11.5	1382	271.5	6.7	4533
12	1441	267.6	7	4728
12.5	1501	268	7.3	4923
13	1560	268.4	7.6	5118
13.5	1619	273.4	7.6	5311
14	1677	278.5	7.6	5502
14.5	1735	282.5	7.4	5692
15	1794	286.7	7.2	5883
15.5	1852	286.8	6.9	6073
16	1910	287	6.7	6264
16.5	1968	287.4	6.8	6455
17	2026	287.8	6.9	6645
17.5	2084	290.3	7.4	6836
18	2142	292.4	8	7026
18.5	2200	295	7.9	7217
19	2259	297.7	7.9	7408
19.5	2316	300.5	7.1	7598
20	2375	304	6.4	7789
20.5	2433	305.8	5.7	7979
21	2491	308	5	8170

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800827	1300	48274	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	162	241	4.5	530
1	336	249.1	5.7	1101
1.5	513	255.1	6.1	1681
2	690	260.2	6.6	2262
2.5	866	265.3	6.5	2842
3	1044	270.5	6.4	3423
3.5	1221	277	6.5	4004
4	1398	283.4	6.6	4584
4.5	1575	283.9	6.6	5165
5	1676	284.3	6.7	5496
5.5	1758	293.2	6.3	5766
6	1840	303.1	6	6035
6.5	1922	312.3	5.9	6304
7	2004	321.7	5.9	6574
7.5	2086	320.4	5.5	6843
8	2168	319	5.2	7112
8.5	2251	321.3	5.1	7382
9	2333	323.6	5.1	7651
9.5	2415	320.5	5.1	7921
10	2497	317.5	5.1	8190
10.5	2579	317.5	5.1	8459
11	2661	317.5	5.1	8729
11.5	2743	319.8	4.9	8998
12	2825	322.3	4.8	9267
12.5	2908	327.3	4.7	9537
13	2990	332.5	4.7	9806
13.5	3072	332	4.9	10075
14	3154	331.5	5.1	10345
14.5	3236	327.5	5.6	10614
15	3318	324.2	6.1	10884

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800828	500	408281	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	101	298.8	7.2	332
1	205	314	6.3	673
1.5	321	325.3	5.6	1052
2	436	339.3	5.1	1430
2.5	552	336.7	4.5	1809
3	667	333.2	3.9	2188
3.5	783	322.6	4.3	2567
4	898	314.2	4.9	2946
4.5	1013	316.2	5.5	3324
5	1129	317.7	6.2	3703
5.5	1245	320.2	6.2	4082
6	1360	322.7	6.3	4461
6.5	1476	317.8	6.3	4840
7	1591	312.9	6.4	5218
7.5	1680	302.2	6.4	5509
8	1768	291.8	6.6	5800
8.5	1857	282.5	6.5	6090
9	1945	273.1	6.5	6381
9.5	2034	271.7	6.5	6671
10	2123	270.4	6.6	6962
10.5	2211	270.7	6.9	7252
11	2300	271	7.2	7543
11.5	2388	268.9	7.7	7834
12	2477	267.1	8.2	8124
12.5	2566	267.9	8.5	8415
13	2654	268.7	8.9	8705
13.5	2743	269.4	9.2	8996
14	2831	270.1	9.6	9286
14.5	2920	272.3	9.6	9577
15	3009	274.4	9.7	9868
15.5	3097	277.6	9.3	10158
16	3186	281.1	8.9	10449
16.5	3271	283	8.9	10729
17	0	284.8	9	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800828	700	408282	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	139	327	5.9	457
1	259	344.1	5.5	851
1.5	367	353.7	5.8	1204
2	475	2.3	6.2	1557
2.5	582	.1	6.4	1910
3	690	358.1	6.7	2263
3.5	798	356.3	5.7	2616
4	905	353.7	4.8	2969
4.5	1013	349.4	3.6	3322
5	1120	341.1	2.5	3675
5.5	1228	327.9	2.6	4028
6	1336	316.2	2.8	4381
6.5	1443	312.3	3.5	4734
7	1551	309.8	4.3	5087
7.5	1649	306.6	5.1	5408
8	1740	304.2	5.9	5706
8.5	1831	298.3	6.2	6005
9	1922	293.1	6.6	6304
9.5	2013	289.7	6.7	6602
10	2104	286.5	6.9	6901
10.5	2195	287.9	7.6	7200
11	2286	289.1	8.3	7498
11.5	2377	289.4	9	7797
12	2468	289.6	9.8	8096
12.5	2559	289.1	9.6	8395
13	2650	288.6	9.5	8693
13.5	2741	288.7	9.1	8992
14	2833	288.8	8.7	9291
14.5	2923	287.4	8.6	9589
15	3015	286	8.6	9888
15.5	3106	284.8	8.4	10187
16	3197	283.6	8.3	10485
16.5	3296	284	8.1	10810
17	3397	284.4	8	11141

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800828	900	408283	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	31	311.1	4	103
1	63	329.5	4.5	206
1.5	94	333.2	5	309
2	126	336.3	5.5	412
2.5	157	330.7	5.7	515
3	188	325.6	6	618
3.5	222	325.8	6.4	729
4	258	326	6.8	845
4.5	293	330.4	6.9	962
5	329	334.6	7.1	1078
5.5	364	337.4	6.9	1195
6	400	340.4	6.8	1311
6.5	435	340.7	6.7	1427
7	471	341	6.6	1544
7.5	506	340.9	6.4	1660
8	542	340.7	6.3	1777
8.5	577	341.3	6.1	1893
9	613	342	6	2009
9.5	648	341.1	5.8	2126
10	684	340.1	5.7	2242
10.5	719	336	5.4	2358
11	755	331.5	5.1	2475
11.5	790	326.4	4.8	2591
12	826	320.7	4.5	2708
12.5	861	319.9	4.4	2824
13	896	319	4.3	2940
13.5	932	319.9	4.2	3057
14	967	320.9	4.2	3173
14.5	1003	319.9	4.2	3290
15	1038	319	4.3	3406
15.5	1074	317	3.8	3522
16	1109	314.4	3.4	3639
16.5	1145	303	3	3755
17	1180	289.1	2.8	3871
17.5	1216	280.5	2.9	3988
18	1251	272.4	3	4104
18.5	1287	268	3.1	4221
19	1322	264	3.3	4337
19.5	1358	261.5	3.4	4453
20	1393	259.2	3.5	4570
20.5	1429	259.2	3.5	4686
21	1464	259.2	3.5	4802

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800828	1300	408284	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	157	277.6	5	515
1	304	286.8	4.9	997
1.5	444	294.3	4.8	1455
2	584	302.2	4.7	1914
2.5	723	303.3	5	2372
3	863	304.3	5.4	2831
3.5	1003	301.9	5.6	3289
4	1143	299.6	5.8	3748
4.5	1283	300.8	5.5	4207
5	1422	302.2	5.2	4665

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800829	500	408291	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	104	103.9	4.3	341
1	208	96.5	4.1	683
1.5	289	92	3.7	947
2	363	86.5	3.3	1192
2.5	438	77.7	2.7	1437
3	513	63.9	2.1	1683
3.5	588	46.6	2.1	1928
4	663	30.2	2.2	2173
4.5	737	29.3	2.3	2418
5	812	28.6	2.5	2663
5.5	887	22	2.2	2908
6	961	13.3	1.9	3153
6.5	1036	342.1	1.8	3398
7	1111	315.5	2.2	3644
7.5	1186	304.7	2.8	3889
8	1260	297.8	3.4	4134
8.5	1335	291.3	4	4379
9	1410	286.5	4.6	4624
9.5	1484	284.7	5	4869
10	1559	283.1	5.4	5114
10.5	1634	282.8	5.2	5359
11	1708	282.5	5.1	5603
11.5	1782	280	4.8	5846
12	1857	277.1	4.5	6090
12.5	1931	271.8	4.3	6333
13	2005	266	4.1	6577
13.5	2080	270.4	3.9	6821
14	2154	275.2	3.8	7064
14.5	2228	288.7	3.7	7308
15	2302	302.2	3.8	7551
15.5	2377	309.4	4.1	7795
16	2451	315.5	4.5	8039
16.5	2525	315.7	4.7	8282
17	2599	315.9	5	8526
17.5	2673	315.1	5	8769
18	2748	314.4	5.1	9013
18.5	2822	312.9	5.1	9257
19	2896	311.4	5.2	9500
19.5	2971	308.7	5	9744
20	3045	305.8	4.8	9987
20.5	3119	303.1	4.7	10231
21	3193	300.3	4.7	10474
21.5	3267	300	4.8	10715

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800829	700	408292	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	120	88.3	3.9	392
1	239	86.2	3.8	784
1.5	324	87.7	3.4	1062
2	409	89.5	3.1	1340
2.5	493	89	2.5	1618
3	578	88.3	1.9	1896
3.5	663	79.1	1.7	2174
4	748	68.1	1.6	2452
4.5	832	63.9	1.3	2730
5	917	57.1	1	3008
5.5	1002	9.8	1	3286
6	1087	340.4	1.5	3564
6.5	1171	329.1	2.7	3842
7	1256	324.9	4	4120
7.5	1341	319.9	4.5	4398
8	1426	315.9	5	4676
8.5	1510	313.4	4.9	4954
9	1595	310.8	4.8	5232
9.5	1678	310.2	4.9	5504
10	1760	309.7	5.1	5773
10.5	1842	304.8	5	6041
11	1923	299.8	5	6309
11.5	2005	295.4	4.6	6578
12	2087	290.3	4.3	6846
12.5	2169	296.5	4	7114
13	2251	303.8	3.7	7383
13.5	2333	309.5	3.8	7651
14	2414	315	3.9	7919
14.5	2496	319	4	8188
15	2578	322.8	4.1	8456
15.5	2660	324.5	4.3	8725
16	2742	326.1	4.5	8993
16.5	2823	323.5	4.4	9261
17	2905	320.8	4.4	9530
17.5	2987	318	4.1	9798
18	3069	314.8	3.8	10066
18.5	3151	309.8	3.9	10335
19	3233	305.1	4	10603
19.5	3307	302.2	4.5	10848

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800329	900	408293	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	171	84	3	560
1	295	90.1	2.7	969
1.5	389	93.2	2.3	1277
2	483	97.6	1.9	1585
2.5	577	92.1	1.6	1894
3	671	84	1.3	2202
3.5	765	84	.9	2510
4	859	84	.5	2819
4.5	953	313.3	.7	3127
5	1047	300.4	1.7	3435
5.5	1141	307.5	2.7	3743
6	1235	310.7	3.8	4052
6.5	1329	308.8	4.2	4360
7	1423	307.2	4.7	4668
7.5	1517	310.1	4.8	4976
8	1611	312.8	5	5285
8.5	1703	312.8	5	5586
9	1794	312.8	5	5884
9.5	1885	306.5	4.7	6183
10	1976	299.5	4.5	6482
10.5	2067	297.2	4.2	6781
11	2159	294.7	4	7080
11.5	2250	297.2	3.8	7379
12	2341	299.8	3.7	7678
12.5	2432	301	3.7	7977
13	2523	302.2	3.8	8275
13.5	2614	305.9	3.9	8574
14	2705	309.4	4.1	8873
14.5	2796	309.2	4	9172
15	2888	309	3.9	9471
15.5	2979	300.6	3.9	9770
16	3070	292.4	4	10069
16.5	3161	289.7	4.2	10368
17	3252	287.3	4.4	10667
17.5	3334	285.5	4.5	10934

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
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LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800829	1300	408294	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	193	122.2	1.9	634
1	322	134.4	1.7	1057
1.5	435	170.9	1.2	1427
2	548	217.1	1.4	1796
2.5	660	243.1	1.8	2166
3	773	257.3	2.5	2536
3.5	886	267.1	2.7	2906
4	999	275.3	3	3276
4.5	1111	277.2	3.5	3645
5	1224	278.7	4	4015
5.5	1337	277.3	4.1	4385
6	1450	276	4.2	4755
6.5	1563	278.4	4.1	5125
7	1672	281	4	5485
7.5	1778	282.5	3.9	5832
8	1884	284.1	3.8	6178
8.5	1989	280.9	3.7	6525
9	2095	277.6	3.7	6871
9.5	2201	277.9	3.6	7218
10	2306	278.2	3.6	7564
10.5	2412	282	3.5	7911
11	2517	285.9	3.5	8257
11.5	2623	291.8	3.4	8604
12	2729	297.8	3.4	8950
12.5	2834	297.8	3.4	9297
13	2940	297.8	3.4	9643
13.5	3046	288.1	3.8	9990
14	3151	280.3	4.2	10336
14.5	3257	276.4	4.8	10683

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
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LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800901	900	409013	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	117	213.6	2.3	385
1	218	241.6	4.2	716
1.5	294	244.6	5.4	964
2	370	246.4	6.7	1212
2.5	445	244.7	6.8	1460
3	521	243	6.9	1708
3.5	596	245.3	7	1956
4	672	247.6	7.2	2205
4.5	748	249.1	7.6	2453
5	823	250.4	8.1	2701
5.5	899	250	8.1	2949
6	975	249.6	8.2	3197
6.5	1050	248.4	8.1	3445
7	1126	247.2	8.1	3693
7.5	1202	247.5	8.4	3941
8	1277	247.7	8.8	4190
8.5	1353	249.3	9.2	4438
9	1429	250.8	9.6	4686
9.5	1504	250.6	9.8	4934
10	1580	250.5	10	5182
10.5	1659	250.6	9.8	5443
11	1740	250.8	9.6	5707
11.5	1820	251.8	9.6	5971
12	1901	252.7	9.7	6235
12.5	1981	254.8	10.1	6499
13	2062	256.8	10.5	6763
13.5	2142	261.2	10.5	7027
14	2223	265.6	10.6	7291
14.5	2303	269.5	10.7	7555
15	2384	273.2	10.9	7819
15.5	2464	275.1	11.3	8083
16	2545	276.8	11.8	8347
16.5	2625	276.7	11.9	8611
17	2706	276.7	12	8875
17.5	2786	275.8	11.8	9139
18	2867	274.9	11.6	9403
18.5	2947	274.1	11.2	9667
19	3028	273.2	10.9	9931
19.5	3108	274.3	10.6	10195
20	3189	275.4	10.3	10459

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800901	1300	409014	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	98	231.8	7.1	323
1	198	232.6	7	648
1.5	300	234.5	6.8	984
2	402	236.5	6.6	1320
2.5	505	237.7	6.5	1657
3	608	238.9	6.5	1993
3.5	710	241.5	6.8	2329
4	813	243.9	7.2	2666
4.5	915	248	7.4	3002
5	1018	251.8	7.6	3338
5.5	1120	254.2	7.7	3675
6	1223	256.5	7.9	4011
6.5	1325	257	8.4	4347
7	1428	257.4	8.9	4684
7.5	1530	254.9	9.3	5020
8	1626	252.7	9.7	5334
8.5	1712	250.9	10.3	5614
9	1797	249.3	11	5894
9.5	1882	251.1	11.2	6174
10	1968	252.9	11.4	6455
10.5	2053	256.2	11.2	6735
11	2139	259.5	11.1	7015
11.5	2224	262.1	11.1	7295
12	2309	264.8	11.1	7575
12.5	2395	267	11	7855
13	2480	269.3	11	8136
13.5	2566	271.7	10.8	8416
14	2651	274.2	10.7	8696
14.5	2737	276.3	10.6	8976
15	2822	278.4	10.5	9256
15.5	2908	279.5	10.3	9537
16	2993	280.7	10.2	9817
16.5	3078	280.2	10.2	10097
17	3164	279.8	10.2	10377
17.5	3252	279.3	10.2	10665
18	3343	278.9	10.2	10964
18.5	3434	277.9	10	11264
19	0	276.9	9.8	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800902	500	409021	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	103	229.5	8.8	338
1	195	241.9	9.7	638
1.5	269	250.4	10.2	881
2	343	257.9	11	1125
2.5	417	261.6	10.6	1368
3	491	265.6	10.2	1611
3.5	565	266.5	9.9	1854
4	639	267.5	9.6	2097
4.5	713	266.6	9.7	2340
5	788	265.7	9.9	2583
5.5	862	264.8	10.3	2826
6	936	264	10.7	3069
6.5	1010	264.8	10.4	3312
7	1084	265.6	10.2	3555
7.5	1158	265.3	9.7	3798
8	1232	264.9	9.3	4041
8.5	1306	263.5	9	4284
9	1380	262.1	8.8	4527
9.5	1455	262.5	8.7	4771
10	1529	263	8.6	5014
10.5	1604	262.5	8.5	5260
11	1680	262	8.5	5512
11.5	1757	260.6	8.7	5764
12	1834	259.3	8.9	6015
12.5	1911	259	9.2	6267
13	1988	258.8	9.6	6519
13.5	2064	257.8	9.4	6770
14	2141	256.8	9.3	7022
14.5	2218	254.4	9.2	7274
15	2295	251.9	9.1	7526
15.5	2371	249.4	9	7777
16	2448	246.9	8.9	8029
16.5	2525	245.6	8.8	8281
17	2602	244.3	8.7	8533
17.5	2678	243	8.5	8784
18	2755	241.6	8.4	9036
18.5	2832	239.7	8.1	9288
19	2908	237.7	7.9	9539
19.5	2985	237.5	8.1	9791
20	3062	237.3	8.4	10043
20.5	3139	236.5	9.3	10295
21	3213	235.8	10.2	10539

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800902	700	409022	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	113	259	6.6	370
1	205	268.3	7.8	671
1.5	282	271.5	8.4	925
2	359	274.3	9	1179
2.5	437	274.7	9	1433
3	514	275.1	9.1	1687
3.5	592	276.6	9	1941
4	669	278.1	9	2195
4.5	747	276.5	9.1	2449
5	824	274.9	9.3	2704
5.5	902	270.9	9.8	2958
6	979	267.3	10.3	3212
6.5	1057	264.8	10.4	3466
7	1134	262.4	10.5	3720
7.5	1212	261.6	10.3	3974
8	1289	260.7	10.1	4228
8.5	1366	259.9	10.2	4482
9	1444	259.1	10.3	4736
9.5	1522	258	10.5	4991
10	1599	256.9	10.7	5246
10.5	1677	255.1	10.4	5502
11	1756	253.1	10.1	5759
11.5	1834	250.3	9.6	6016
12	1913	247.2	9.1	6273
12.5	1991	244.5	9.2	6529
13	2069	241.8	9.3	6786
13.5	2147	238.9	9.5	7043
14	2226	236.1	9.7	7300
14.5	2304	235.9	10.1	7556
15	2382	235.7	10.5	7813
15.5	2460	237.9	10.9	8070
16	2538	239.9	11.4	8326
16.5	2617	239.6	11.5	8583
17	2695	239.4	11.6	8840
17.5	2773	238.4	11.3	9097
18	2852	237.4	11.1	9353
18.5	2930	236.1	10.9	9610
19	3008	234.7	10.7	9867
19.5	3086	233.2	11.1	10123
20	3165	231.8	11.5	10380
20.5	3254	233.3	12	10672
21	0	234.7	12.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800902	900	409023	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	157	252.7	3	515
1	236	269.2	3.2	773
1.5	315	278.3	3.6	1032
2	393	285.5	4	1290
2.5	472	286	4.3	1549
3	551	286.5	4.6	1807
3.5	630	282.5	4.8	2065
4	709	278.9	5.1	2324
4.5	787	274.7	5.5	2582
5	866	271.1	5.9	2840
5.5	945	269.9	6.3	3099
6	1023	268.9	6.8	3357
6.5	1102	266.3	7.1	3616
7	1181	264	7.5	3874
7.5	1260	259.3	8	4132
8	1339	255.2	8.5	4391
8.5	1417	253.3	9	4649
9	1496	251.6	9.5	4908
9.5	1575	250.8	9.6	5166
10	1654	250	9.7	5425
10.5	1733	249.1	9.7	5685
11	1812	248.3	9.7	5944
11.5	1891	248	10	6203
12	1970	247.7	10.4	6463
12.5	2049	248.4	10.9	6722
13	2129	249.1	11.4	6982
13.5	2208	250	11.8	7241
14	2287	250.9	12.3	7500
14.5	2366	251.1	12.4	7760
15	2445	251.3	12.6	8019
15.5	2524	250.8	12.5	8278
16	2603	250.3	12.4	8538
16.5	2682	250.6	12.3	8797
17	2761	250.9	12.3	9057
17.5	2840	251.2	12.5	9316
18	2919	251.4	12.7	9575
18.5	2998	249.4	13	9835
19	3077	247.6	13.4	10094
19.5	3156	247.3	13.7	10353
20	3240	247	14	10627

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800902	1300	409024	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	153	200.2	8.1	502
1	370	199	8.9	1212
1.5	586	202.3	9.2	1921
2	802	205.3	9.6	2631
2.5	1019	212.4	9.5	3341
3	1235	219.5	9.6	4050
3.5	1451	226.6	9.9	4760
4	1626	233.3	10.3	5333
4.5	1738	239.4	11.2	5700
5	1850	244.5	12.2	6067
5.5	1962	247.2	12.9	6434
6	2073	249.7	13.6	6801
6.5	2185	251.2	13.5	7168
7	2297	252.7	13.5	7535
7.5	2409	254	13.4	7902
8	2521	255.3	13.4	8269
8.5	2633	254.8	13.6	8636
9	2745	254.4	13.9	9003
9.5	2857	255.4	14.1	9371
10	2969	256.4	14.4	9738
10.5	3081	258.3	14.7	10105
11	3193	260.1	15	10472
11.5	3304	260.7	15.3	10838
12	0	261.3	15.7	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800903	500	409031	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	112	336.3	8.3	367
1	221	346.2	9.6	726
1.5	327	345.1	10.4	1073
2	433	344.2	11.3	1421
2.5	539	337	11.1	1768
3	645	329.7	11.1	2116
3.5	751	324.8	10.8	2463
4	857	319.7	10.6	2810
4.5	963	318.2	10.6	3158
5	1069	316.8	10.6	3505
5.5	1175	313.2	10.8	3853
6	1280	309.7	11	4200
6.5	1386	303.6	11.1	4547
7	1492	297.7	11.3	4895
7.5	1598	292	10.5	5242
8	1704	285.5	9.9	5588
8.5	1809	279.7	9.9	5934
9	1915	274	10.1	6281
9.5	2020	272.2	10.7	6627
10	2126	270.6	11.4	6973
10.5	2232	268.4	11.4	7320
11	2337	266.2	11.5	7666
11.5	2443	265.7	12	8012
12	2548	265.3	12.6	8359
12.5	2654	268.6	13.4	8705
13	2759	271.6	14.3	9051
13.5	2865	273.2	15.4	9398
14	2971	274.6	16.6	9744
14.5	3076	273.1	17.5	10090
15	3182	271.7	18.5	10437

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800903	700	409032	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	137	347.9	7.9	450
1	247	350.9	9.1	809
1.5	338	352.2	9.6	1108
2	429	353.3	10.2	1407
2.5	520	350.8	10	1706
3	611	348.2	9.8	2005
3.5	702	344.3	9.6	2303
4	793	340.2	9.5	2602
4.5	884	334.5	9.3	2901
5	976	328.6	9.1	3200
5.5	1067	324.1	9.4	3499
6	1158	319.8	9.7	3798
6.5	1249	318.6	10.4	4097
7	1340	317.6	11.1	4396
7.5	1431	312.6	11	4694
8	1522	307.5	11	4993
8.5	1615	301.8	10.7	5298
9	1711	295.9	10.5	5611
9.5	1806	292.4	10.9	5924
10	1902	289.2	11.3	6237
10.5	1997	289	12	6550
11	2093	288.9	12.8	6864
11.5	2188	287.5	12.9	7177
12	2284	286.2	13.1	7490
12.5	2379	281.5	13.1	7803
13	2474	276.9	13.1	8116
13.5	2570	273	13.1	8429
14	2665	269.1	13.1	8742
14.5	2761	265.9	13.2	9056
15	2856	262.7	13.3	9369
15.5	2952	264	13.5	9682
16	3047	265.2	13.8	9995
16.5	3143	270.5	14.7	10308
17	3245	275.2	15.8	10642
17.5	3356	277.1	17.6	11008
18	0	278.7	19.5	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800903	900	409033	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	129	330.7	5.4	422
1	259	333.8	5.9	851
1.5	394	340.8	6.8	1291
2	527	346.1	7.8	1730
2.5	661	346.7	8.5	2169
3	795	347.2	9.3	2609
3.5	929	343.3	9	3048
4	1063	339.1	8.8	3487
4.5	1197	335.8	8.8	3927
5	1331	332.5	8.8	4366
5.5	1465	323.4	8.8	4805
6	1599	314.7	9.1	5245
6.5	1703	305.4	9.1	5585
7	1807	296.4	9.3	5926
7.5	1910	292	9.8	6266
8	2014	288.1	10.4	6606
8.5	2118	286.7	11	6947
9	2222	285.4	11.6	7287
9.5	2326	282.1	11.5	7628
10	2429	278.8	11.5	7968
10.5	2533	273.6	11.9	8308
11	2637	268.8	12.3	8649
11.5	2741	269	12.6	8989
12	2845	269.2	12.9	9330
12.5	2948	272.5	12.4	9670
13	3052	276.1	11.9	10010
13.5	3156	278.9	10.8	10351
14	3263	282.2	9.8	10701

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800904	700	409042	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	92	88.7	3.6	302
1	184	94.7	3.1	603
1.5	270	106.7	2.7	884
2	345	122.2	2.4	1133
2.5	422	137.3	2.5	1383
3	498	150.7	2.7	1632
3.5	573	162.1	2.6	1881
4	650	174	2.6	2131
4.5	726	176.2	2.2	2380
5	802	179.3	1.9	2630
5.5	878	171.2	1.2	2879
6	954	139	.5	3129
6.5	1030	330.6	.4	3378
7	1106	325.8	1.2	3627
7.5	1182	312.4	1.8	3877
8	1258	305.8	2.4	4126
8.5	1334	302.7	2.7	4376
9	1410	300.2	3	4625
9.5	1486	292.5	2.9	4874
10	1562	284.6	2.9	5124
10.5	1638	279.5	3	5373
11	1714	274.7	3.1	5621
11.5	1789	278.3	3.2	5868
12	1865	281.6	3.4	6116
12.5	1940	291.8	3.9	6364
13	2016	299.5	4.5	6611
13.5	2091	309	5.1	6859
14	2167	316.3	5.9	7107
14.5	2242	315.5	5.7	7354
15	2318	314.7	5.5	7602
15.5	2393	310	5.3	7850
16	2469	305	5.1	8098
16.5	2544	308	5	8345
17	2620	311.1	5	8593
17.5	2695	312.6	4.9	8841
18	2771	314.2	4.9	9088
18.5	2846	305.5	5.2	9336
19	2922	298	5.7	9584
19.5	2997	290.5	5.9	9831
20	3073	283.5	6.1	10079
20.5	3148	277.6	5.6	10327
21	3224	270.5	5.1	10574
21.5	3297	265.7	4.9	10813

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800904	900	409043	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	152	124.8	2.2	498
1	281	168.1	3.4	921
1.5	376	179	4.5	1232
2	470	185.5	5.7	1543
2.5	565	185.6	5	1853
3	660	185.8	4.3	2164
3.5	755	181.8	3	2475
4	849	172.2	1.8	2786
4.5	944	171.4	1	3096
5	1039	166.7	.3	3407
5.5	1134	287.4	.5	3718
6	1228	299.8	1.2	4028
6.5	1323	299.4	1.6	4339
7	1418	299.2	2	4650
7.5	1512	298.7	2.1	4960
8	1607	298.3	2.3	5271
8.5	1693	293.2	2.5	5553
9	1777	289.1	2.8	5829
9.5	1861	289.4	3.1	6104
10	1945	289.7	3.4	6379
10.5	2029	299.1	3.5	6654
11	2113	308	3.6	6930
11.5	2197	305.7	3.8	7205
12	2280	303.6	4.1	7480
12.5	2364	299.6	4.1	7755
13	2448	295.7	4.2	8030
13.5	2532	299.3	3.7	8306
14	2616	304	3.2	8581
14.5	2700	301.7	3.4	8856
15	2784	299.8	3.7	9131
15.5	2868	291.4	4.6	9406
16	2952	285.8	5.5	9682
16.5	3036	282.5	5.7	9957
17	3120	279.5	6	10232
17.5	3203	277.8	5.5	10507
18	3283	275.8	5	10769

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800904	1300	409044	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	167	142.5	4.5	548
1	339	145.8	4.6	1111
1.5	513	145.5	4.2	1683
2	688	145.2	3.8	2255
2.5	862	159.2	2.8	2827
3	1036	185.3	2.1	3398
3.5	1210	218.7	2.6	3970
4	1385	237.5	3.6	4542
4.5	1559	242	4.3	5114
5	1685	245.2	5	5528
5.5	1779	243.6	5.2	5836
6	1873	242.1	5.5	6145
6.5	1967	235.9	5.1	6453
7	2062	228.7	4.8	6762
7.5	2155	222.3	4.3	7070
8	2249	214.2	3.8	7378
8.5	2344	217	3.3	7687
9	2438	220.7	2.8	7995
9.5	2531	245.7	2.6	8303
10	2626	269.8	2.9	8612
10.5	2720	282.4	3.9	8920
11	2813	289.7	5	9228
11.5	2908	289.2	4.9	9537
12	3002	288.7	4.9	9845
12.5	3096	285.2	4.4	10154
13	3190	281	4	10462
13.5	3280	276	4.2	10757
14	3363	271.5	4.5	11031

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800905	500	409051	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	102	192.8	6.8	334
1	204	196.9	8.1	668
1.5	300	201.6	8.4	985
2	396	206	8.8	1298
2.5	491	211.1	8.4	1612
3	587	216.6	8.1	1925
3.5	682	221.2	7.9	2238
4	778	226	7.8	2551
4.5	873	224.4	7.2	2864
5	969	222.6	6.6	3177
5.5	1064	218.1	6	3491
6	1160	212.7	5.4	3804
6.5	1255	215.3	5.1	4117
7	1351	218.1	4.9	4430
7.5	1446	226.8	4.6	4743
8	1542	236.5	4.4	5057
8.5	1639	248.8	4.5	5375
9	1741	260.4	4.7	5712
9.5	1845	265.6	5	6050
10	1948	270.3	5.3	6388
10.5	2051	273	5.1	6726
11	2154	275.8	5	7064
11.5	2257	275.5	4.4	7402
12	2360	275.2	3.8	7740
12.5	2463	272.7	3.9	8078
13	2566	270.3	4	8416
13.5	2669	274.3	4.1	8753
14	2772	278.1	4.2	9091
14.5	2875	280.2	3.9	9429
15	2978	282.5	3.7	9767
15.5	3081	276.3	4.1	10105
16	3184	271.3	4.6	10443
16.5	3274	264	5.5	10738
17	3355	258.8	6.5	11006

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800905	700	409052	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	159	186.8	6.3	520
1	285	198	7.2	936
1.5	391	203.8	7.6	1281
2	496	209	8	1627
2.5	601	213.3	7.8	1972
3	707	217.8	7.7	2318
3.5	812	217.1	7.5	2664
4	917	216.3	7.3	3009
4.5	1023	210.9	6.9	3355
5	1128	204.8	6.5	3701
5.5	1234	205	6.2	4046
6	1339	205.3	6	4392
6.5	1445	218.5	6.4	4738
7	1550	229.7	7	5083
7.5	1656	238.7	7.5	5433
8	1765	246.3	8.2	5790
8.5	1874	245.5	7.3	6147
9	1983	244.4	6.5	6504
9.5	2092	239.7	5.8	6861
10	2200	233.8	5.2	7217
10.5	2309	231.3	5.1	7574
11	2418	228.8	5.1	7931
11.5	2527	227.8	5.1	8288
12	2636	226.8	5.1	8645
12.5	2744	230.9	5.3	9001
13	2853	234.6	5.6	9358
13.5	2962	242.2	6.3	9715
14	3071	248.2	7	10072
14.5	3180	253	7.7	10429

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800908	500	409081	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	82	348.6	5	270
1	165	7.1	4	540
1.5	250	20.4	3.7	820
2	337	34.9	3.7	1104
2.5	423	34.9	3.7	1387
3	509	34.9	3.7	1670
3.5	596	31.4	3.9	1954
4	682	28.4	4.2	2237
4.5	769	25.5	4.7	2521
5	855	23.1	5.2	2804
5.5	941	20.5	5.3	3087
6	1028	18	5.4	3371
6.5	1114	13.8	5.2	3654
7	1200	9.2	5	3937
7.5	1287	2.5	4.9	4221
8	1373	355.6	4.8	4504
8.5	1460	348.2	4.8	4788
9	1546	340.8	4.8	5071
9.5	1617	334.7	5.3	5304
10	1688	329.7	5.9	5536
10.5	1759	328	7	5769
11	1830	326.7	8.2	6001
11.5	1901	325.6	8.4	6234
12	1972	324.5	8.6	6467
12.5	2042	322.2	8.5	6699
13	2113	319.9	8.5	6932
13.5	2184	319.8	10	7165
14	2255	319.7	11.5	7397
14.5	2326	324.6	12.6	7630
15	2397	328.8	13.7	7863
15.5	2468	334.6	13.8	8095
16	2539	340.3	14	8328
16.5	2610	339	13.4	8561
17	2681	337.5	12.9	8793
17.5	2752	318.3	11.8	9026
18	2823	297.7	12.1	9259
18.5	2894	288.1	10.9	9491
19	2965	276.5	10.1	9724
19.5	3035	285.7	7.1	9956
20	3106	306.7	4.5	10189
20.5	3181	319.9	4.5	10435
21	3262	332.5	4.7	10699

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800908	700	409082	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	107	359.8	2.9	350
1	210	11.4	4	690
1.5	302	13.5	4.9	989
2	393	15	5.8	1288
2.5	484	13.7	6.1	1588
3	575	12.6	6.5	1887
3.5	666	13.5	5.9	2186
4	758	14.7	5.3	2486
4.5	849	17	4.6	2785
5	940	20.2	3.9	3084
5.5	1032	15.6	3.8	3384
6	1123	10.8	3.7	3683
6.5	1214	358.1	3.8	3983
7	1305	346.7	4.1	4282
7.5	1397	337.7	4.5	4581
8	1488	330.2	4.9	4881
8.5	1579	328.2	5.6	5178
9	1668	326.6	6.3	5470
9.5	1757	329.1	7.4	5762
10	1846	331	8.6	6054
10.5	1934	329.4	9.5	6345
11	2023	328.1	10.4	6637
11.5	2113	325.8	10.9	6929
12	2201	323.8	11.5	7220
12.5	2290	327.4	12.2	7512
13	2379	330.7	12.9	7804
13.5	2468	331.9	13.8	8095
14	2557	333	14.7	8387
14.5	2646	331.9	15	8679
15	2735	330.8	15.4	8971
15.5	2824	332	15.5	9262
16	2913	333.2	15.6	9554
16.5	3002	334.2	15.6	9846
17	3091	335.2	15.7	10137
17.5	3178	335.2	15.2	10423
18	3262	335.1	14.8	10700

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800908	900	409083	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	142	328.8	3.2	466
1	256	344.6	4.4	840
1.5	351	343.1	5.2	1151
2	446	342	6	1462
2.5	541	337.6	6	1774
3	636	333.3	6.1	2085
3.5	730	333	5.9	2396
4	826	332.7	5.8	2708
4.5	920	330.4	5.9	3019
5	1016	328.2	6	3331
5.5	1110	331.4	6.1	3642
6	1205	334.4	6.2	3953
6.5	1300	339.2	6.3	4265
7	1395	343.8	6.5	4576
7.5	1490	345	7	4887
8	1585	346.1	7.5	5199
8.5	1670	343.4	7.8	5476
9	1754	340.9	8.1	5752
9.5	1838	333.3	8	6029
10	1923	325.8	8.1	6306
10.5	2007	320.8	8.7	6582
11	2091	316.5	9.4	6859
11.5	2176	319.4	10.3	7136
12	2260	321.8	11.2	7413
12.5	2344	327.3	11.9	7689
13	2429	332.2	12.6	7966
13.5	2513	334.2	13	8243
14	2598	336.1	13.5	8520
14.5	2682	334.8	14.3	8796
15	2766	333.7	15.1	9073
15.5	2851	332.9	15.4	9350
16	2935	332.1	15.7	9626
16.5	3019	330	15.7	9903
17	3104	328	15.8	10180
17.5	3188	325.7	15.8	10457

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800908	1300	409084	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	182	311.7	4.3	597
1	321	308.6	4.6	1054
1.5	460	304.2	4.9	1510
2	600	300.4	5.2	1967
2.5	739	305.1	5.4	2423
3	878	309.4	5.7	2880
3.5	1017	312.4	5.9	3336
4	1156	315.2	6.2	3793
4.5	1296	315.6	5.8	4250
5	1435	316.1	5.4	4706
5.5	1574	319	5.3	5163
6	1674	322	5.2	5490
6.5	1773	325.6	6	5817
7	1873	328.3	6.8	6144
7.5	1973	330.7	8.1	6471
8	2073	332.5	9.4	6799
8.5	2173	326.6	10.4	7126
9	2272	321.8	11.4	7453
9.5	2372	316.1	11.8	7780
10	2472	310.8	12.4	8107
10.5	2572	310.1	12.7	8435
11	2671	309.4	13.1	8762
11.5	2771	311	13.3	9089
12	2871	312.6	13.6	9416
12.5	2970	312.9	14.3	9743
13	3070	313.2	15	10070
13.5	3170	319.2	14.9	10398
14	3265	325.3	15	10709

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800909	500	409091	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	57	41.7	3	188
1	115	53.1	4	376
1.5	172	60.7	4.6	564
2	232	66.4	5.3	762
2.5	294	72.4	5.1	965
3	356	78.9	4.9	1169
3.5	419	88	4.1	1373
4	480	100.8	3.5	1576
4.5	543	111.8	2.8	1780
5	605	128.6	2.3	1984
5.5	667	151.6	1.6	2187
6	729	191.6	1.4	2391
6.5	791	223.1	1.5	2595
7	853	245.7	1.9	2798
7.5	915	256.6	2.3	3002
8	977	264	2.8	3206
8.5	1039	266.4	3.4	3409
9	1102	268.1	4.1	3613
9.5	1164	270.7	5	3817
10	1226	272.4	6	4020
10.5	1288	274	6.7	4224
11	1350	275.2	7.5	4428
11.5	1412	275.3	7.4	4631
12	1474	275.4	7.4	4835
12.5	1536	274.8	7.4	5039
13	1601	274.2	7.4	5250
13.5	1667	278.8	7.4	5467
14	1733	283.3	7.5	5683
14.5	1799	289.4	8.2	5900
15	1865	294.5	8.9	6116
15.5	1931	295.7	9.8	6333
16	1997	296.7	10.8	6550
16.5	2063	297.1	10.9	6766
17	2129	297.4	11.1	6983
17.5	2195	298.4	11.2	7199
18	2261	299.3	11.4	7416
18.5	2327	304.2	11.6	7633
19	2393	309	11.8	7849
19.5	2459	309.5	12.9	8066
20	2525	310	14	8282
20.5	2591	308.4	13.8	8499

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800909	700	409092	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	68	46	5.2	223
1	136	52.8	5.1	446
1.5	204	63.9	4.9	669
2	278	75.4	4.9	913
2.5	353	92.6	4	1157
3	427	116.3	3.6	1401
3.5	502	134.4	2.8	1645
4	576	161.1	2.5	1888
4.5	650	179.4	2.1	2132
5	724	202.4	2	2376
5.5	799	222.4	2.2	2620
6	873	237.7	2.6	2864
6.5	948	247.8	3.4	3108
7	1022	254.1	4.2	3352
7.5	1096	263.3	5.3	3595
8	1170	269.2	6.5	3839
8.5	1245	274.3	6.9	4083
9	1319	278.8	7.4	4327
9.5	1394	278.2	7.4	4571
10	1468	277.6	7.5	4815
10.5	1542	277.8	7.7	5059
11	1625	277.9	7.9	5331
11.5	1714	278.5	9.6	5622
12	1803	279	11.3	5914
12.5	1892	285.9	11.2	6205
13	1980	292.9	11.2	6496
13.5	2070	301.2	11	6788
14	2158	309.7	11	7079
14.5	2247	308.3	12.1	7371
15	2336	307.1	13.3	7662
15.5	2425	306.9	13.4	7953
16	2514	306.7	13.6	8245
16.5	2602	305.8	12.9	8536
17	2691	304.8	12.3	8827
17.5	2780	306	11	9119
18	2869	307.6	9.7	9410
18.5	2958	312.8	8.9	9702
19	3047	319	8.2	9993
19.5	3135	319	8	10284
20	3186	319	7.8	10450

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800910	500	409101	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	129	308.2	5.9	423
1	233	301.8	7.9	763
1.5	336	296.2	8.7	1102
2	440	291.5	9.5	1442
2.5	543	286.6	9.5	1781
3	647	281.8	9.5	2121
3.5	750	280.5	10	2460
4	854	279.3	10.5	2800
4.5	957	280.5	11.3	3139
5	1061	281.5	12.1	3479
5.5	1164	281.5	12.3	3818
6	1268	281.5	12.6	4158
6.5	1371	278.4	12.9	4497
7	1475	275.4	13.3	4837
7.5	1559	273.2	13.7	5115
8	1632	271.1	14.2	5353
8.5	1705	268.8	13.9	5591
9	1777	266.5	13.6	5829
9.5	1850	263.4	13.6	6067
10	1922	260.3	13.6	6305
10.5	1995	259.2	13.2	6542
11	2067	258.1	12.9	6780
11.5	2140	257.4	12.8	7018
12	2212	256.7	12.7	7256
12.5	2285	256.2	13	7494
13	2357	255.8	13.4	7732
13.5	2430	254.7	13.1	7970
14	2502	253.5	12.8	8208
14.5	2575	255	13.5	8445
15	2647	256.3	14.2	8683

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800910	700	409102	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	183	341.6	9.3	601
1	312	344.2	9.3	1022
1.5	462	348.3	9.5	1516
2	628	352.1	9.8	2059
2.5	770	352	9.6	2526
3	880	351.8	9.4	2887
3.5	966	339.1	8.4	3167
4	1056	324	7.9	3463
4.5	1147	305.7	8.3	3761
5	1229	290.5	9.5	4030
5.5	1319	285.7	10.1	4325
6	1411	281.4	10.8	4628
6.5	1503	279.2	10.9	4930
7	1597	277	11.1	5239
7.5	1691	272.9	11.4	5548
8	1786	269	11.8	5858
8.5	1880	266.8	12.1	6167
9	1966	264.7	12.5	6449
9.5	2050	264.3	12.6	6725
10	2134	264	12.7	7001
10.5	2219	263.3	13	7277
11	2305	262.7	13.3	7559
11.5	2394	262.2	14	7851
12	2488	261.7	14.7	8162
12.5	2592	262.2	14.6	8501
13	2695	262.8	14.5	8840
13.5	2798	258.5	15.3	9179
14	2902	254.6	16.1	9518
14.5	3005	254.1	16.1	9857
15	3108	253.6	16.1	10194
15.5	0	257.2	15.9	0
16	0	260.8	15.8	0

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800910	900	409103	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	55	1.6	6.5	180
1	110	2.3	6.8	361
1.5	167	1.3	6.9	548
2	232	.3	7.1	760
2.5	296	359	6.8	972
3	361	357.6	6.6	1185
3.5	426	354.9	6.4	1397
4	491	352	6.3	1610
4.5	555	350.8	6.5	1822
5	620	349.6	6.7	2035
5.5	685	353.3	7.3	2247
6	750	356.4	7.9	2459
6.5	815	356.7	8.2	2672
7	879	356.9	8.5	2884
7.5	944	350	8.1	3097
8	1009	342.5	7.9	3309
8.5	1074	330.5	7.9	3522
9	1138	319	8.2	3734
9.5	1203	307.5	8.9	3946
10	1268	298	9.9	4159
10.5	1333	292.7	10.7	4371
11	1398	288.1	11.5	4584
11.5	1462	288.7	11.5	4796
12	1527	289.3	11.6	5009
12.5	1589	288.1	11.4	5212
13	1651	286.8	11.3	5416
13.5	1713	283.2	10.9	5620
14	1775	279.3	10.5	5823
14.5	1838	279.5	10.1	6027
15	1900	279.7	9.7	6231
15.5	1962	282.6	10	6434
16	2024	285.4	10.4	6638
16.5	2086	285.2	11.7	6842
17	2148	285.1	13	7045
17.5	2210	279.7	14.3	7249
18	2272	275.3	15.7	7453
18.5	2334	270.7	16.4	7656
19	2396	266.4	17.1	7860
19.5	2459	265	17	8064
20	2520	263.5	17	8267
20.5	2583	263.5	16.6	8471
21	2645	263.5	16.1	8675
21.5	2707	258	16.1	8878
22	2769	252.6	16.3	9082
22.5	2831	251.8	15.9	9286
23	2893	250.9	15.5	9489

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800911	500	49111	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	48	302.2	2.8	157
1	95	316.5	3.1	313
1.5	143	323.1	3.8	470
2	194	327.6	4.6	637
2.5	250	328.9	5.6	820
3	306	329.8	6.6	1003
3.5	362	330.1	6.8	1188
4	419	330.3	7	1373
4.5	475	329.8	6.5	1558
5	529	329.3	6.1	1734
5.5	573	331.3	5.8	1878
6	616	333.5	5.5	2022
6.5	663	328.1	5.2	2176
7	716	322.2	5	2350
7.5	775	309.8	5.1	2543
8	834	298.3	5.4	2736
8.5	890	294	5.5	2918
9	944	290	5.7	3097
9.5	1000	286.8	5.7	3279
10	1059	283.6	5.7	3472
10.5	1117	281	5.8	3665
11	1176	278.4	5.9	3857
11.5	1235	278.6	6.1	4050
12	1297	278.7	6.3	4253
12.5	1363	277.4	6.9	4472
13	1427	276.4	7.5	4681
13.5	1477	276.8	8.2	4845
14	1527	277.1	9	5009
14.5	1583	281.4	10	5191
15	1626	285	11	5333
15.5	1685	287.4	11.2	5528
16	1742	289.7	11.5	5714
16.5	1795	289.1	10.8	5888
17	1848	288.4	10.2	6062
17.5	1901	288.7	10.4	6235
18	1953	289	10.7	6407
18.5	2006	289.1	10.8	6579
19	2058	289.1	11	6751
19.5	2111	289.7	10.8	6923
20	2166	290.3	10.6	7106
20.5	2223	290.6	10.9	7291
21	2275	290.8	11.3	7463
21.5	2327	290.6	11.1	7634
22	2380	290.3	10.9	7805
22.5	2432	293.9	10.7	7977
23	2484	297.7	10.5	8148

1980 NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
UPPERAIR METEOROLOGICAL MEASUREMENT
PROGRAM

SITE NO. :4
SITE :MARLBORO
LATITUDE :40 20
LONGITUDE :74 17
HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801030-2

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800911	700	409112	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	84	288.2	4.3	274
1	167	296.7	4.3	549
1.5	253	304.2	4.3	831
2	340	311.7	4.3	1116
2.5	427	311.4	4.1	1401
3	514	311.1	4	1686
3.5	601	307.3	4	1971
4	688	303.6	4.1	2256
4.5	775	297.5	4.5	2541
5	862	292.4	4.9	2826
5.5	948	283.6	5.6	3111
6	1035	276.9	6.5	3396
6.5	1122	271.9	7.5	3681
7	1209	268	8.5	3966
7.5	1296	270.2	9.5	4251
8	1383	272	10.5	4536
8.5	1470	275.1	10.7	4821
9	1557	278	10.9	5106
9.5	1643	277.4	10.1	5388
10	1729	276.6	9.4	5670
10.5	1815	278.5	9.9	5952
11	1901	280.2	10.5	6235
11.5	1987	282.8	10.9	6517
12	2073	285.2	11.3	6799
12.5	2159	290	11	7081
13	2245	295	10.8	7364
13.5	2331	295.3	11.2	7646
14	2417	295.6	11.7	7928
14.5	2503	297.4	11.9	8210
15	2589	299.2	12.1	8493
15.5	2675	299.9	13.4	8775
16	2761	300.5	14.7	9057
16.5	2848	295.2	14.9	9340
17	2934	290.1	15.3	9622

1980 NORTHEAST CORRIDOR REGIONAL
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HEIGHT ABOVE SEA LEVEL :48
PROGRAM CODE :801029-1

BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800911	900	409113	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	142	272.8	3.8	466
1	254	273.7	3.5	833
1.5	355	282.5	3.7	1166
2	457	290.2	4	1499
2.5	559	295.8	4.2	1832
3	660	300.8	4.4	2165
3.5	762	298.8	4.3	2498
4	863	296.7	4.3	2830
4.5	964	284.1	5.5	3163
5	1066	276.3	6.9	3496
5.5	1167	275.4	8.1	3829
6	1269	274.7	9.4	4162
6.5	1370	278.7	9.7	4495
7	1472	282.5	10.1	4828
7.5	1571	284.8	10.7	5153
8	1662	286.8	11.3	5451
8.5	1752	288.1	12.5	5748
9	1843	289.1	13.8	6045
9.5	1934	289.1	13.4	6342
10	2024	289	13.1	6639
10.5	2115	288.1	12.5	6937
11	2205	287.1	11.9	7234
11.5	2296	286.8	12	7531
12	2387	286.5	12.2	7828
12.5	2477	290	13	8126
13	2568	293.1	13.8	8423
13.5	2659	294.6	14.6	8720
14	2749	296	15.4	9017
14.5	2840	292.1	14.9	9315
15	2930	288	14.4	9612
15.5	3021	290.4	16.1	9909
16	3112	292.4	17.8	10206
16.5	3193	297.9	18.3	10474

1980 NORTHEAST CORRIDOR REGIONAL
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BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800911	1300	409114	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	184	231.8	6	603
1	339	238.2	6.4	1111
1.5	494	244.6	6.6	1619
2	648	250.6	6.9	2126
2.5	803	264	7.7	2634
3	958	274.5	8.8	3142
3.5	1113	281.6	10.4	3649
4	1267	286.8	12.1	4157
4.5	1422	286.6	12.5	4665
5	1567	286.5	13	5139
5.5	1670	284.8	13.1	5479
6	1774	283.2	13.3	5819
6.5	1878	283.2	13.3	6159
7	1981	283.2	13.3	6499
7.5	2085	285.8	13.7	6839
8	2189	288.3	14.2	7179
8.5	2292	290.2	15.2	7519
9	2396	291.9	16.2	7859
9.5	2500	294.3	16.3	8199
10	2603	296.6	16.5	8539
10.5	2707	297.3	16.1	8879
11	2811	298	15.7	9219
11.5	2914	295	15.5	9559
12	3018	291.9	15.3	9899
12.5	3122	291.4	15.7	10239
13	3227	291	16.1	10584

1980 NORTHEAST CORRIDOR REGIONAL
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BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800912	500	409121	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	96	323.4	7.1	315
1	191	338.2	8.3	627
1.5	283	346	8.9	927
2	374	352.7	9.6	1227
2.5	466	352.8	8.6	1527
3	557	353	7.6	1826
3.5	648	346.3	5.8	2126
4	740	334.2	4.2	2426
4.5	831	308.5	4.1	2726
5	922	285.7	4.7	3025
5.5	1014	274.5	6.3	3325
6	1105	268.1	8.1	3625
6.5	1196	263.5	8.9	3924
7	1288	259.7	9.7	4224
7.5	1379	260.7	10.1	4524
8	1471	261.6	10.6	4824
8.5	1562	264	10.5	5123
9	1651	266.4	10.5	5415
9.5	1740	267.8	9.9	5706
10	1828	269.4	9.4	5997
10.5	1917	268.4	9.4	6288
11	2006	267.5	9.5	6580
11.5	2095	267.4	9.7	6871
12	2184	267.4	10	7162
12.5	2272	270	9.7	7453
13	2361	272.8	9.5	7744
13.5	2450	277.5	9.7	8036
14	2539	281.9	10	8327
14.5	2627	283.1	10.5	8618
15	2716	284.1	11	8909
15.5	2805	284.2	11.6	9201
16	2894	284.2	12.2	9492
16.5	2983	284.9	12.8	9783
17	3071	285.6	13.5	10074
17.5	3160	285.5	13.1	10366
18	3244	285.3	12.8	10640
18.5	3327	287.2	12.2	10911
19	0	289.3	11.6	0
19.5	0	287.8	12.7	0
20	0	286.5	13.8	0
20.5	0	281.7	15	0
21	0	277.6	16.2	0

1980 NORTHEAST CORRIDOR REGIONAL
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BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800912	700	409122	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	131	5.7	7.2	429
1	255	7.8	9.5	835
1.5	374	8.7	9.4	1226
2	493	9.6	9.4	1618
2.5	613	7.8	7.4	2009
3	732	4.8	5.4	2400
3.5	851	348.8	3.9	2792
4	970	319	3	3183
4.5	1090	290.2	4.3	3574
5	1209	276.5	6.1	3966
5.5	1328	274.2	7.9	4357
6	1448	272.7	9.7	4748
6.5	1567	271.3	10.3	5140
7	1661	270.1	10.9	5448
7.5	1755	269.8	10.7	5756
8	1849	269.5	10.6	6064
8.5	1943	268.4	10.3	6372
9	2037	267.3	10.1	6681
9.5	2131	267.2	10.3	6989
10	2225	267.2	10.5	7297
10.5	2319	269.1	10.7	7605
11	2413	270.9	10.9	7913
11.5	2506	272.3	10.6	8221
12	2601	273.7	10.4	8530
12.5	2695	274.3	10.2	8838
13	2788	274.9	10	9146
13.5	2882	273.3	10.4	9454
14	2976	271.8	10.8	9762
14.5	3070	271.5	11.1	10070
15	3164	271.3	11.5	10379
15.5	0	278.4	11.2	0
16	0	285.8	11	0

1980 NORTHEAST CORRIDOR REGIONAL
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BEUKERS LABORATORIES INC
FLOWERFIELD BLDG 7
ST. JAMES, N.Y. 11780

DATE	TIME	FLT.NO.	STATION
800912	900	409123	MARLBORO

MIN	M-AGL	DIR	S-MPS	FT-AGL
.5	41	6.2	3	133
1	81	12.3	3.1	265
1.5	121	18	3	398
2	162	23.8	3	530
2.5	202	26.5	3.1	662
3	241	29	3.2	790
3.5	280	28.7	3.3	918
4	319	28.5	3.4	1046
4.5	358	26.7	3.5	1174
5	397	25	3.7	1302
5.5	436	25.3	4.1	1430
6	475	25.6	4.6	1558
6.5	514	31.9	5.1	1686
7	553	37.1	5.6	1814
7.5	592	40.1	5.7	1942
8	631	43	5.8	2070
8.5	670	41.6	4.8	2198
9	709	39.5	3.8	2326
9.5	748	46.9	3.2	2454
10	787	57.7	2.6	2582
10.5	826	62	2.5	2710
11	865	66.6	2.4	2838
11.5	904	63.8	1.7	2966
12	943	57.1	1	3094
12.5	982	65.6	.4	3222
13	1021	198	.2	3350
13.5	1060	221.9	.6	3477
14	1099	226.5	1	3605
14.5	1138	224.5	1	3733
15	1177	222.6	1.1	3861
15.5	1216	236.8	2.1	3989
16	1255	241.8	3.1	4117
16.5	1294	247.7	3.9	4245
17	1333	251.6	4.7	4373
17.5	1372	264.1	4.9	4501
18	1411	275.1	5.3	4629
18.5	1450	284.3	6.1	4757
19	1489	291.2	7	4885
19.5	1528	294.3	7.5	5013
20	1567	297	8	5141
20.5	1605	293.9	9	5263
21	1641	291.5	10.1	5381
21.5	1677	292.6	10.5	5500
22	1713	293.7	10.9	5618
22.5	1749	293.8	10.1	5736
23	1785	293.9	9.4	5854

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA-450/4-81-019d	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE Northeast Corridor Regional Modeling Project - Upper-Air Meteorological Measurements (Volume IV - Upper-Air Wind Data - Marlboro, NJ)		5. REPORT DATE April 1981
		6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)		8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Beukers Laboratory, Flowerfield Bldg. #7, St. James, NY 11780		10. PROGRAM ELEMENT NO.
		11. CONTRACT/GRANT NO. 68-02-3531
12. SPONSORING AGENCY NAME AND ADDRESS Monitoring and Data Analysis Division (MD-14), Office of Air Quality Planning and Standards, Environmental Protection Agency, Research Triangle Park, North Carolina 27711		13. TYPE OF REPORT AND PERIOD COVERED
		14. SPONSORING AGENCY CODE

15. SUPPLEMENTARY NOTES
Project Officer: Norman C. Possiel

16. ABSTRACT
This volume contains upper-air wind speed and wind direction measurements obtained via rawinsonde soundings conducted in Marlboro, NJ as part of the 1980 Northeast Corridor Regional Modeling Project.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Rawinsonde Soundings Boundary Layer Measurements Wind Measurements Aloft Northeast Corridor Regional Modeling Project		

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES 147
	20. SECURITY CLASS *(This page)*	22. PRICE

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