1995-2002 Summary Table 2: Sorted by Wind Direction

Table 2: (sorted by wind direction then by monito

Wind Direction	Monitor	Date	Peak 03 (ppb) 8-hr	Peak 03 (ppb) 1-hr	Time of 1hr Peak (EDT)	Possible Source Regions
S	Claremont	9/14/2002	86	95	6pm	NYC plume
S	Kittery	8/10/1995	99	**126**	5pm	Providence, NYC, enhanced by sea breeze
S	Manchester	6/24/1995	85	91	4pm	Providence, Springfield, stagnation, wind from RI power plant
S	Manchester	8/7/1996	88	108	5pm	Hartford, Springfield, wind from Providence
S	Miller SP	9/14/2002	90	96	3pm	NYC plume
S	Nashua	6/24/1995	88	102	2pm	Providence, Springfield, stagnation, wind from RI power plant
S	Nashua	8/7/1996	89	103	4pm	Hartford, Springfield, wind from Providence
S	Nashua	5/31/1999	89	100	5pm	Hartford, New Haven, NYC, Worcester
S	Nashua	6/1/1999	90	94	11am	NYC, corridor, wind from Providence
S	Nashua	7/31/1999	89	99	12/1pm	Worcester, stagnation, Canada, wind from Providence
S	Portsmouth	8/1/1995	87	113	3pm	stagnation, corridor
S	Portsmouth	5/31/1999	89	98	4pm	Boston, Providence, NYC
S	Portsmouth	8/25/1999	93	110	1pm	Boston, Hartford, New Haven
S	Rochester	6/1/1999	94	104	1pm	Boston, Providence, corridor
S	Rye	7/4/1995	85	102	6pm	Boston
S	Rye	8/10/1995	98	**130**	5pm	Providence, NYC, enhanced by sea breez
S	Rye	8/7/1996	88	97	4pm	Boston, Worcester, Hartford
SE	Kittery	6/24/1999	85	103	12pm	Boston, Providence, sea Breeze
SE	Portsmouth	8/8/1996	87	98	3pm	corridor, stagnation in NYC, sea breeze
SE	Portsmouth	6/24/1999	90	107	1pm	Boston, Providence, sea Breeze
SE	Rye	8/6/1996	87	106	4pm	sea breeze, stagnation over Newington power pla
ESE	Rye	5/4/2001	94	dna	12pm	sea breeze, industrial Midwest, Great Lake
NE	Nashua	6/13/2001	90	97	3pm	northern OH, IN, and IL, NYC

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dna= data not available

Table 2: (sorted by wind direction then by monitor)

Wind Direction	Monitor	Date	Peak 03 (ppb) 8-hr	Peak 03 (ppb) 1-hr	Time of 1hr Peak (EDT)	Possible Source Regions
SSE	Kittery	6/30/1995	107	**127**	3pm	sea breeze, Hartford, NYC
SSE	Kittery	7/13/1995	88	103	1pm	stagnation, corridor enhanced by sea breeze
SSE	Kittery	8/1/1995	94	**127**	3pm	corridor enhanced by Boston sea breeze
SSE	Kittery	6/29/1997	92	112	4pm	sea breeze
SSE	Kittery	6/30/1997	104	**132**	5pm	sea breeze
SSE	Kittery	7/1/1997	112	121	2pm	sea breeze, stagnation in Philadelphia, corridor
SSE	Kittery	7/27/1997	85*	100	12pm	Boston, Providence, sea breeze
SSE	Kittery	8/10/1997	90	104	3pm	sea breeze, some corridor influence
SSE	Kittery	7/16/1998	92	112	2pm	sea breeze
SSE	Kittery	8/5/1998	97	115	4/5pm	sea breeze
SSE	Kittery	8/6/1998	95	104	3pm	Boston, sea breeze
SSE	Kittery	5/31/1999	91	100	4pm	Boston, Providence, NYC, sea breeze
SSE	Kittery	7/16/1999	112	124	3pm	sea breeze
SSE	Kittery	8/25/1999	93	104	1/2pm	Boston, Hartford, New Haven, sea breeze
SSE	Manchester	7/1/1997	98	103	1pm	wind from Boston/Providence, stagnation in Philadelphia, corridor
SSE	Nashua	7/28/1995	85*	104	2pm	Boston, wind from Providence
SSE	Portsmouth	8/5/1998	94	112	6pm	sea breeze
SSE	Portsmouth	8/6/1998	93	103	1pm	Boston, sea breeze
SSE	Portsmouth	7/14/2002	85	97	2pm	Boston, NYC
SSE	Rochester	8/25/1999	90	107	4pm	Boston, Hartford, New Haven, sea breeze
SSE	Rye	6/30/1995	105	**130**	3pm	sea breeze, Hartford, NYC
SSE	Rye	7/5/1995	86	92	3pm	Boston, NYC, Providence, stagnation, sea breeze
SSE	Rye	7/13/1995	99	120	1pm	stagnation, corridor enhanced by sea breeze
SSE	Rye	8/1/1995	103	**139**	2pm	corridor enhanced by Boston sea breeze
SSE	Rye	7/8/1996	85*	110	2pm	corridor, OH, WV, KY, sea breeze
SSE	Rye	7/18/1996	90	107	4pm	sea breeze
SSE	Rye	8/8/1996	85*	101	3pm	corridor, stagnation in NYC, sea breeze
SSE	Rye	6/25/1997	87	97	6pm	Boston, stagnation in Providence, sea breeze
SSE	Rye	6/29/1997	102	120	3pm	sea breeze
SSE	Rye	6/30/1997	121	**156**	4pm	sea breeze
SSE	Rye	7/1/1997	103	114	2/3pm	sea breeze, stagnation in Philadelphia, corridor
SSE	Rye	7/14/1997	102	117	6pm	Detroit, Canada, sea breeze
SSE	Rye	7/27/1997	87	93	12/4pm	Boston, Providence, sea breeze
SSE	Rye	8/10/1997	99	111	3pm	sea breeze, some corridor influence
SSE	Rye	7/16/1998	100	118	2pm	sea breeze
SSE	Rye	8/5/1998	99	121	5pm	sea breeze
SSE	Rye	5/31/1999	96	104	4pm	Boston, Providence, NYC, sea breeze
SSE	Rye	7/16/1999	111	124	6pm	Boston, Providence, sea Breeze

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Table 2: (sorted by wind direction then by monitor)

Wind Direction	Monitor	Date	Peak 03 (ppb) 8-hr	Peak 03 (ppb) 1-hr	Time of 1hr Peak (EDT)	Possible Source Regions
SSE	Kittery	6/30/1995	107	**127**	3pm	sea breeze, Hartford, NYC
SSE	Kittery	7/13/1995	88	103	1pm	stagnation, corridor enhanced by sea breeze
SSE	Kittery	8/1/1995	94	**127**	3pm	corridor enhanced by Boston sea breeze
SSE	Kittery	6/29/1997	92	112	4pm	sea breeze
SSE	Kittery	6/30/1997	104	**132**	5pm	sea breeze
SSE	Kittery	7/1/1997	112	121	2pm	sea breeze, stagnation in Philadelphia, corridor
SSE	Kittery	7/27/1997	85*	100	12pm	Boston, Providence, sea breeze
SSE	Kittery	8/10/1997	90	104	3pm	sea breeze, some corridor influence
SSE	Kittery	7/16/1998	92	112	2pm	sea breeze
SSE	Kittery	8/5/1998	97	115	4/5pm	sea breeze
SSE	Kittery	8/6/1998	95	104	3pm	Boston, sea breeze
SSE	Kittery	5/31/1999	91	100	4pm	Boston, Providence, NYC, sea breeze
SSE	Kittery	7/16/1999	112	124	3pm	sea breeze
SSE	Kittery	8/25/1999	93	104	1/2pm	Boston, Hartford, New Haven, sea breeze
SSE	Manchester	7/1/1997	98	103	1pm	wind from Boston/Providence, stagnation in Philadelphia, corridor
SSE	Nashua	7/28/1995	85*	104	2pm	Boston, wind from Providence
SSE	Portsmouth	8/5/1998	94	112	6pm	sea breeze
SSE	Portsmouth	8/6/1998	93	103	1pm	Boston, sea breeze
SSE	Portsmouth	7/14/2002	85	97	2pm	Boston, NYC
SSE	Rochester	8/25/1999	90	107	4pm	Boston, Hartford, New Haven, sea breeze
SSE	Rye	6/30/1995	105	**130**	3pm	sea breeze, Hartford, NYC
SSE	Rye	7/5/1995	86	92	3pm	Boston, NYC, Providence, stagnation, sea breeze
SSE	Rye	7/13/1995	99	120	1pm	stagnation, corridor enhanced by sea breeze
SSE	Rye	8/1/1995	103	**139**	2pm	corridor enhanced by Boston sea breeze
SSE	Rye	7/8/1996	85*	110	2pm	corridor, OH, WV, KY, sea breeze
SSE	Rye	7/18/1996	90	107	4pm	sea breeze
SSE	Rye	8/8/1996	85*	101	3pm	corridor, stagnation in NYC, sea breeze
SSE	Rye	6/25/1997	87	97	6pm	Boston, stagnation in Providence, sea breeze
SSE	Rye	6/29/1997	102	120	3pm	sea breeze
SSE	Rye	6/30/1997	121	**156**	4pm	sea breeze
SSE	Rye	7/1/1997	103	114	2/3pm	sea breeze, stagnation in Philadelphia, corridor
SSE	Rye	7/14/1997	102	117	6pm	Detroit, Canada, sea breeze
SSE	Rye	7/27/1997	87	93	12/4pm	Boston, Providence, sea breeze
SSE	Rye	8/10/1997	99	111	3pm	sea breeze, some corridor influence
SSE	Rye	7/16/1998	100	118	2pm	sea breeze
SSE	Rye	8/5/1998	99	121	5pm	sea breeze
SSE	Rye	5/31/1999	96	104	4pm	Boston, Providence, NYC, sea breeze
SSE	Rye	7/16/1999	111	124	6pm	Boston, Providence, sea Breeze

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Table 2: (sorted by wind direction then by monitor)

Wind Direction	Monitor	Date	Peak 03 (ppb) 8-hr	Peak 03 (ppb) 1-hr	Time of 1hr Peak (EDT)	Possible Source Regions
SW	Brentwood	6/21/2002	87	93	1pm	NYC metro areas, sea breeze, Ohio Valley
SW	Brentwood	6/26/2002	85	93	7pm	urban transport from Boston, NYC
SW	Brentwood	7/14/2002	85	89	dna	Boston, NYC
SW	Brentwood	7/22/2002	91	102	5pm	Baltimore-Washington, NYC, Boston
SW	Brentwood	8/11/2002	87	102	5pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Brentwood	8/12/2002	104	114	2pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Brentwood	8/13/2002	98	118	1pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Brentwood	8/14/2002	93	109	2pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Brentwood	8/15/2002	88	99	1pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Brentwood	8/18/2002	86	99	11am	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Brentwood	6/19/2001	103	114	7pm	Midwest, MI, Ontario, NYC
SW	Brentwood	6/20/2001	86	101	2pm	Midwest, northeast corridor
SW	Brentwood	7/24/2001	89	107	7pm	Midwest, NYC, Philadelphia, Baltimore
SW	Claremont	8/14/2002	94	124	8pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Concord	7/22/2002	91	110	8pm	Baltimore-Washington, NYC, Boston
SW	Concord	8/12/2002	86	95	12pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Concord	8/14/2002	91	103	8pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Concord	8/15/2002	85	92	3pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Concord	6/19/2001	102	**129**	8pm	Midwest, MI, Ontario, NYC
SW	Conway	8/15/2002	90	96	1pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Keene	8/14/2002	98	112	6pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Keene	6/19/2001	97	114	8pm	Midwest, MI, Ontario, NYC
SW	Kittery	6/12/1997	86	95	5pm	long range transport?
SW	Kittery	6/21/1997	95	114	1pm	OH, (sea breeze)
SW	Kittery	6/15/2001	96	117	1pm	Long Island, CT and MA
SW	Kittery	6/19/2001	96	101	8pm	Midwest, MI, Ontario, NYC
SW	Kittery	6/20/2001	90	**125**	3pm	Midwest, northeast corridor
SW	Laconia	8/12/2002	85	92	11am	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Laconia	8/14/2002	89	101	9pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Laconia	8/15/2002	90	98	1pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Laconia	6/20/2001	85	107	12am	Midwest, northeast corridor
SW	Manchester	9/7/1995	85	dna	dna	corridor (Providence, CTRV, NYC, depending on peak hr)
SW	Manchester	6/21/1997	87	112	9pm	WV, OH
SW	Manchester	8/11/1997	85	101	7pm	corridor
SW	Manchester	7/22/2002	91	107	6pm	Baltimore-Washington, NYC, Boston
SW	Manchester	8/12/2002	88	105	11am	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Manchester	8/13/2002	85	111	12pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Manchester	8/14/2002	89	108	12pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Manchester	6/19/2001	98	119	7pm	Midwest, MI, Ontario, NYC
SW	Miller SP	7/22/2002	97	116	6pm	Baltimore-Washington, NYC, Boston
SW	Miller SP	8/11/2002	106	114	10pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Miller SP	8/12/2002	101	105	12am	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Miller SP	8/13/2002	107	123	6am	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Miller SP	8/14/2002	111	**139**	6pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Miller SP	8/15/2002	92	100	5pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Nashua	7/13/1995	96	111	10pm	stagnation, corridor
SW	Nashua	9/7/1995	100	dna	dna	corridor (Providence, CTRV, NYC, depending on peak hr)
SW	Nashua	6/21/1997	96	117	7/8pm	western PA, corridor

SW	Nashua	8/10/1997	85*	96	5/6pm	some corridor influence
SW	Nashua	8/11/1997	94	101	5/6pm	NYC, corridor
SW	Nashua	8/24/1998	96	111	6pm	stagnation in OH, KY
SW	Nashua	7/16/1999	87	91	10am	OH, IN, IL, Canada
SW	Nashua	8/17/1999	89	103	5pm	Hartford, WV, slight NYC influence, wind from Worcester
SW	Nashua	6/26/2002	94	102	6pm	urban transport from Boston, NYC
SW	Nashua	7/22/2002	88	100	4pm	Baltimore-Washington, NYC, Boston
SW	Nashua	8/12/2002	109	120	4pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Nashua	8/13/2002	110	**135**	12pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Nashua	8/14/2002	98	115	11am	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Nashua	6/19/2001	110	**125**	6pm	Midwest, MI, Ontario, NYC
SW	Nashua	6/20/2001	92	99	2pm	Midwest, northeast corridor
SW	Nashua	7/24/2001	91	108	6pm	Midwest, NYC, Philadelphia, Baltimore
SW	Nashua	9/8/2001	85	88	3pm	Urban corridor
SW	Portsmouth	6/21/1997	94	98	1pm	OH, corridor
SW	Portsmouth	6/30/1997	89	120	5pm	(corridor?)
SW	Portsmouth	7/17/1999	86	95	11am	OH, IN, IL, Canada
SW	Portsmouth	6/21/2002	89	111	5pm	NYC metro areas, sea breeze, Ohio Valley
SW	Portsmouth	6/26/2002	85	90	dna	urban transport from Boston, NYC
SW	Portsmouth	7/22/2002	90	99	5pm	Baltimore-Washington, NYC, Boston
SW	Portsmouth	8/11/2002	85	97	2pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Portsmouth	8/12/2002	100	109	12pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Portsmouth	8/13/2002	98	**125**	3pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Portsmouth	8/14/2002	103	**145**	3pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Rochester	7/22/2002	85	101	7pm	Baltimore-Washington, NYC, Boston
SW	Rochester	8/11/2002	90	106	4pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Rochester	8/12/2002	95	116	5pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Rochester	8/14/2002	105	**144**	5pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Rochester	8/15/2002	85	93	1pm	high pre-existing levels from the Midwest, northeast corridor (sea breeze on coast)
SW	Rochester	8/18/2002	93	104	1pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Rochester	6/19/2001	104	121	8pm	Midwest, MI, Ontario, NYC
SW	Rye	6/21/1997	110	**137**	1pm	OH, (sea breeze)
SW	Rye	8/17/1999	85	99	2pm	stagnation in NYC, Worcester
SW	Rye	6/21/2002	89	103	2pm	NYC metro areas, sea breeze, Ohio Valley
SW	Rye	6/26/2002	87	95	dna	urban transport from Boston, NYC
SW	Rye	7/2/2002	89	112	5pm	sea breeze
SW	Rye	8/12/2002	88	99	3pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Rye	8/13/2002	99	123	3pm	Ohio Valley, Baltimore/Washington, NYC metro area (sea breeze on coast)
SW	Rye	8/14/2002	110	**137**	2pm	Ohio Valley, northeast corridor (sea breeze on coast)
SW	Rye	9/9/2002	86	101	5pm	sea breeze, NYC, Boston
SW	Rye	6/15/2001	90	98	3pm	Long Island, CT and MA
SW	Rye	6/20/2001	108	**149**	3pm	Midwest, northeast corridor
SW	Rye	7/23/2001	86	110	1pm	Boston sea breeze
SW	Rye	7/24/2001	87	103	7pm	Midwest, NYC, Philadelphia, Baltimore

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dna= data not available

Table 2: (sorted by wind direction then by monitor)

Wind Direction	Monitor	Date	Peak 03 (ppb) 8-hr	Peak 03 (ppb) 1-hr	Time of 1hr Peak (EDT)	Possible Source Regions
WNW	Laconia	6/19/2001	101	112	11pm	Midwest, MI, Ontario, NYC
WSW	Claremont	6/10/2000	89	95	3pm	NNW OH, western NY, Ohio River valley, western PA, SE NY
WSW	Keene	6/10/2000	92	96	1pm	NNW OH, western NY, Ohio River valley, western PA, SE NY
WSW	Kittery	5/29/1998	89	97	4pm	due to window trajectory up corridor
WSW	Nashua	5/29/1998	89	100	4pm	due to window trajectory up corridor
WSW	Nashua	7/17/1999	85	90	2pm	OH, IN, KY, Canada
WSW	Nashua	6/10/2000	90	99	2pm	NNW OH, western NY, Ohio River valley, western PA, SE NY
WSW	Rye	5/29/1998	85	92	5pm	due to window trajectory up corrido
dna	Claremont	6/2/1996	86	dna	dna	dna
dna	Claremont	7/1/1997	89	dna	dna	corridor
dna	Hubbard Brook	6/2/1996	87	dna	dna	dna
dna	Keene	6/2/1996	85*	dna	dna	dna
dna	Keene	7/12/1996	90	dna	dna	dna
dna	Keene	7/1/1997	99	dna	dna	corridor
dna	Keene	7/14/1998	85	91	6pm	dna
dna	Laconia	7/1/1997	87	dna	dna	corridor
dna	Rye	7/15/1998	86	91	10pm	dna

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dna= data not available

summary tables1,2,3.xls