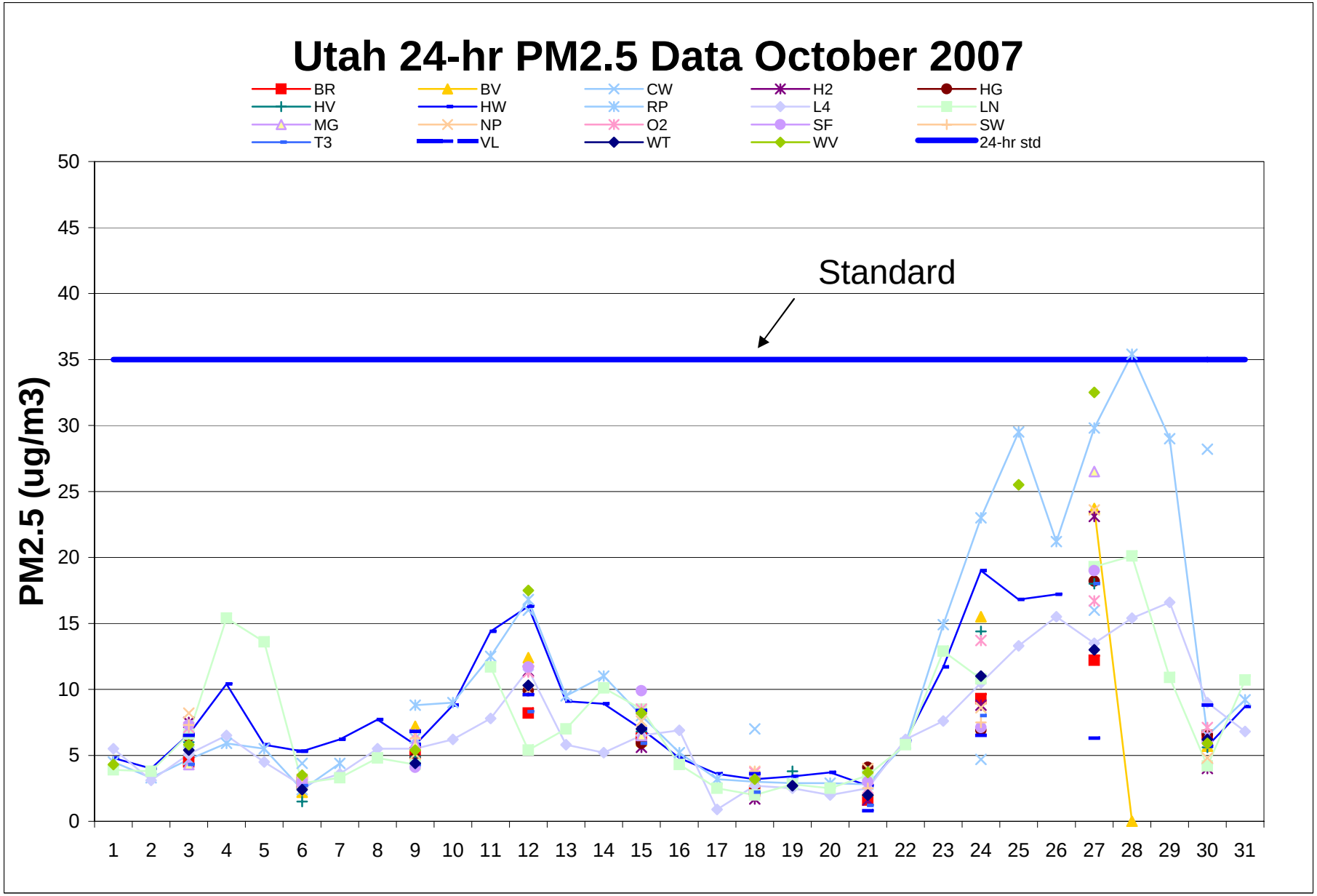
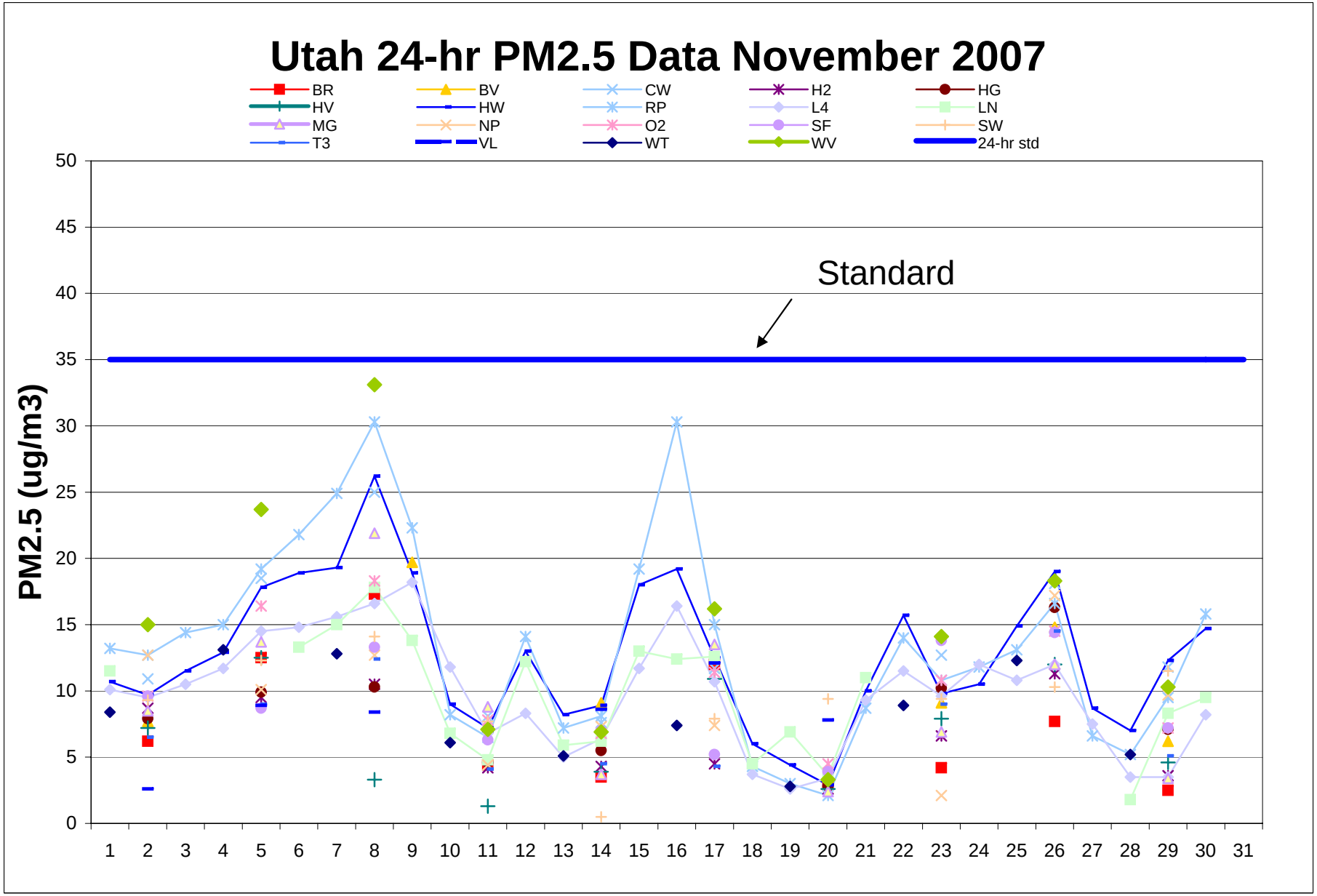
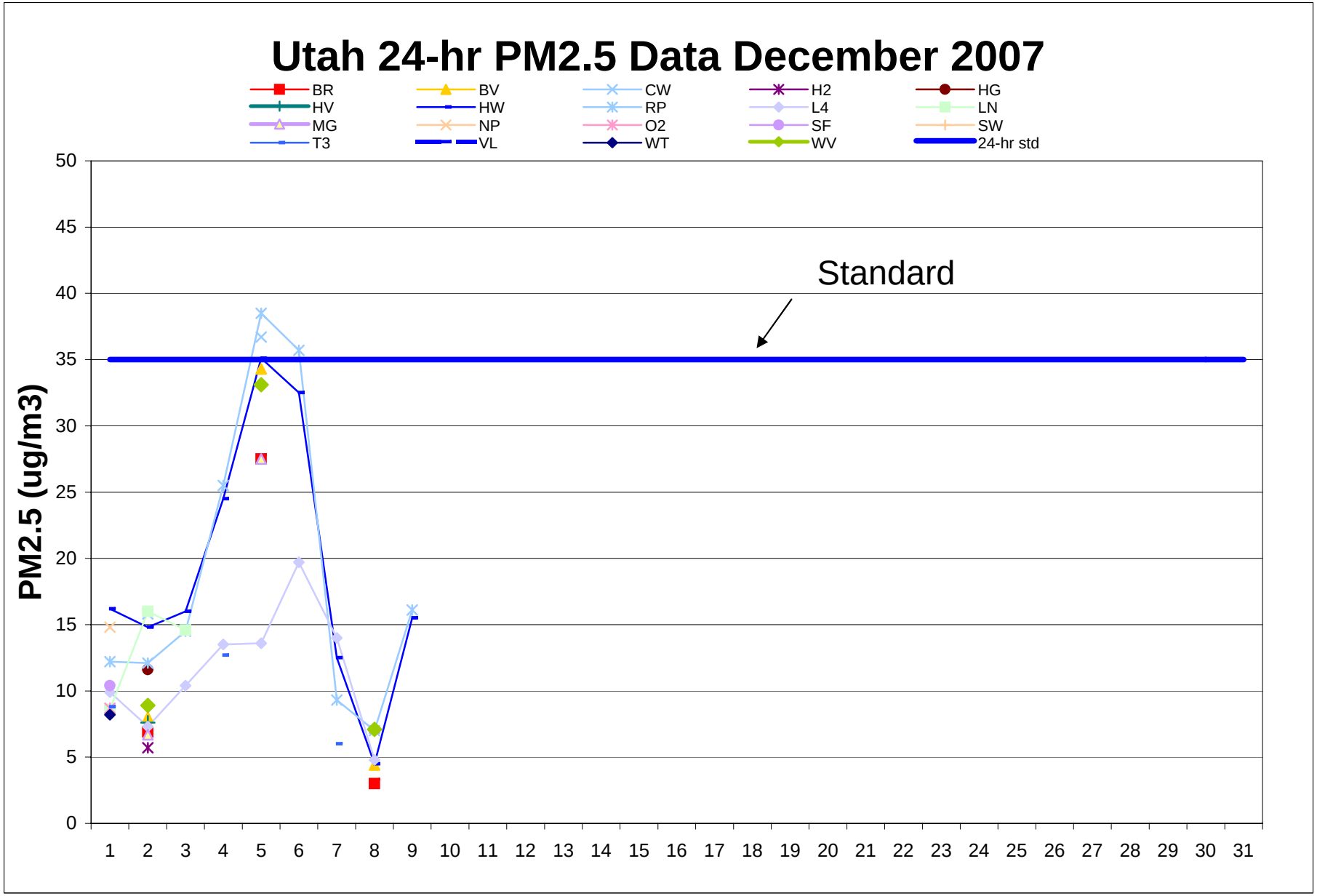
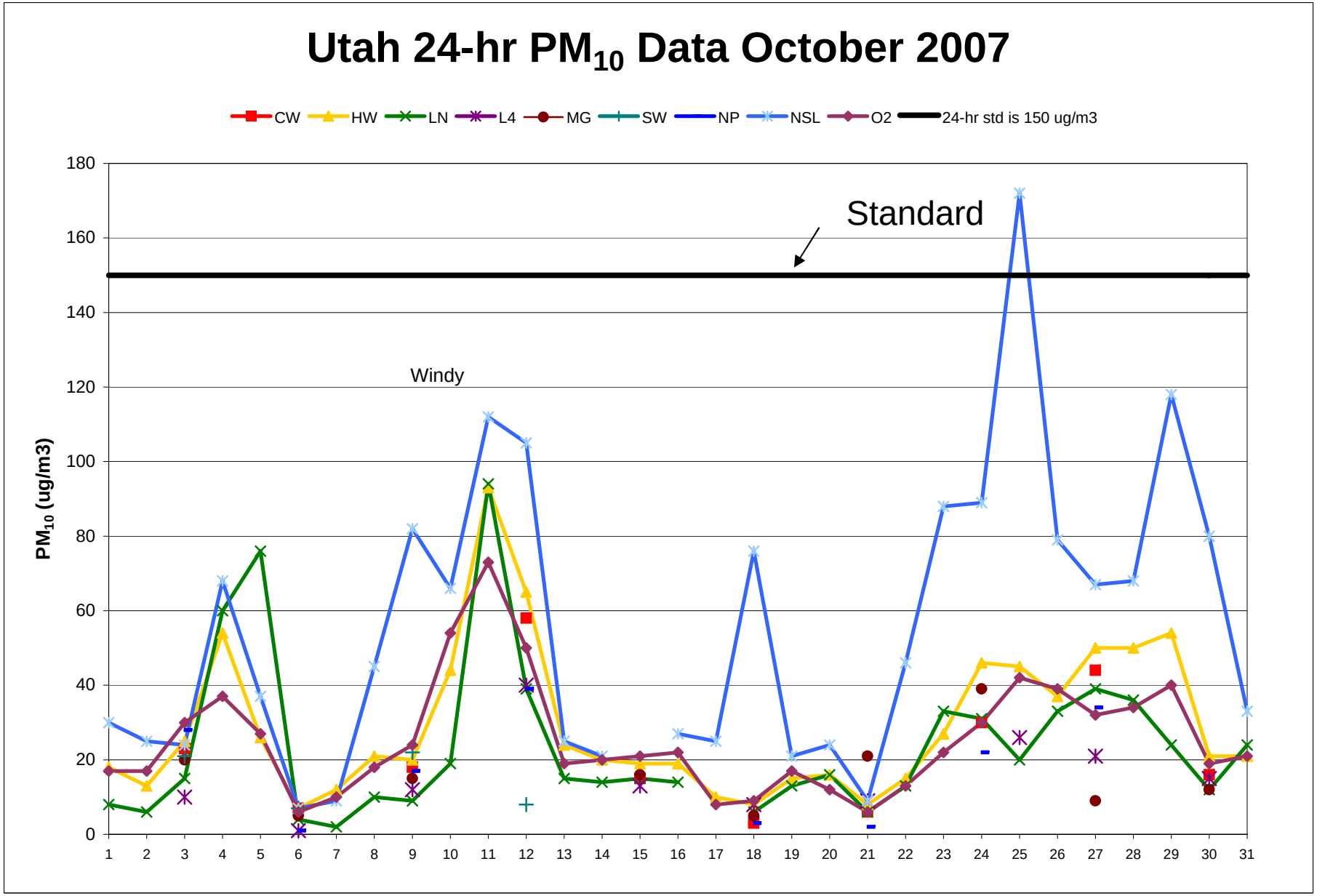
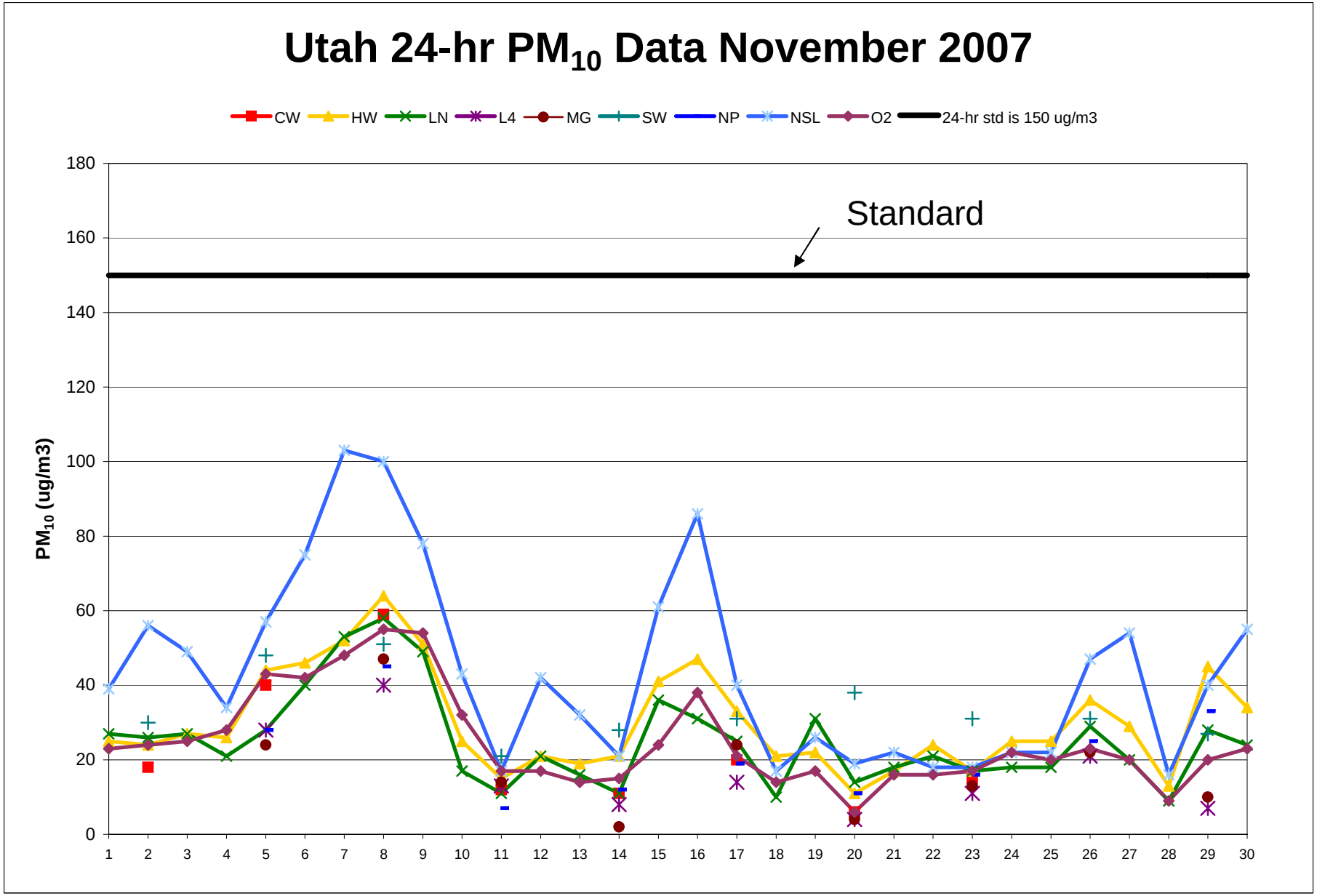

Utah 24-hr PM2.5 Data October 2007
BR
BV
CW
H2
HG
HV
HW
RP
L4
LN
MG
NP
O2
SF
SW
T3
VL
WT
WV
24-hr std
Standard
PM2.5 (ug/m3)
0
5
10
15
20
25
30
35
40
45
50
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

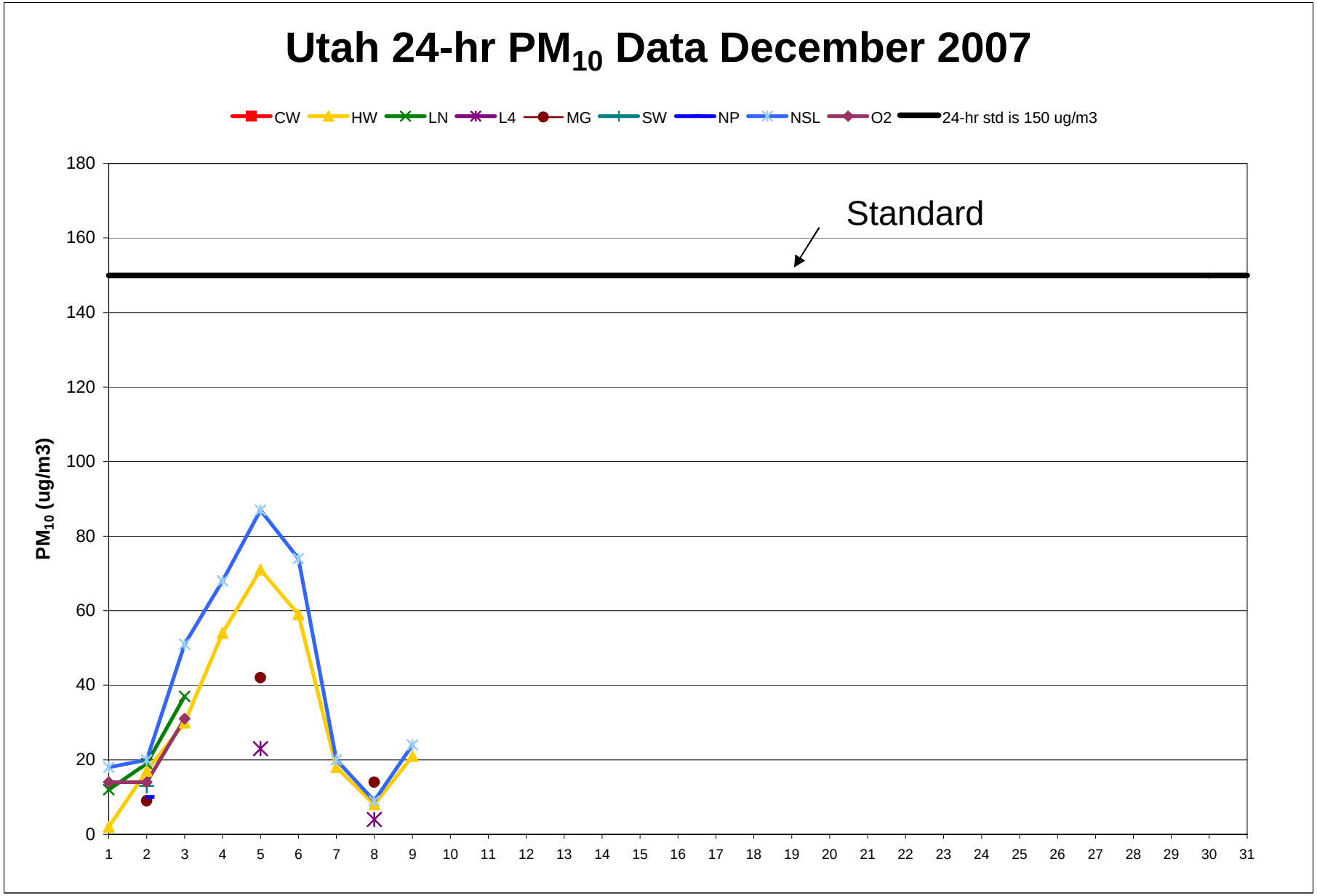

Utah 24-hr PM2.5 Data November 2007
BR
BV
CW
H2
HG
HV
HW
RP
L4
LN
MG
NP
O2
SF
SW
T3
VL
WT
WV
24-hr std
Standard
PM2.5 (ug/m3)
0
5
10
15
20
25
30
35
40
45
50
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



Utah Division of Air Quality


Utah 24-hr PM10 Data October 2007
CW
HW
LN
L4
MG
SW
NP
NSL
O2
24-hr std is 150 ug/m3
Standard
Windy
PM10 (ug/m3)
0
20
40
60
80
100
120
140
160
180
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31


Utah 24-hr PM10 Data November 2007
CW
HW
LN
L4
MG
SW
NP
NSL
O2
24-hr std is 150 ug/m3
Standard
PM10 (ug/m3)
180
160
140
120
100
80
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30



Utah Division of Air Quality

UTAH STATE DIVISION OF AIR QUALITY

PM2.5 Actual Concentration (24-hr average) in Micrograms per Cubic Meter

2007 October

Date	BR	BV	CW	HE	HG	HV	HW	RP	L4	X4	LN	LX	MG	N2	NP	O2	SF	SW	T3	WT	WX	WV	VX	VL
10/01							4.8	4.5	5.5		3.9											4.3		
10/02							4.0	3.3	3.1		3.8													
10/03	4.5	6.8	6.0	7.5	6.4	6.0	6.6	4.7	5.1	5.6	6.6	6.5	4.3		8.2	7.1	7.3	7.3	4.3	5.4	5.4	5.8	5.5	6.5
10/04							10.4	5.9	6.5		15.4													
10/05							5.8	5.5	4.5		13.6													
10/06	2.9	2.2	4.4	3.0	2.6	1.5	5.3	2.4	2.7		2.9		3.5		3.2	3.0	2.9	3.4	2.7	2.4		3.5		5.3
10/07							6.2	4.4	3.6		3.3													
10/08							7.7		5.5		4.8													
10/09	5.2	7.2	6.3		4.8	4.9	5.8	8.8	5.5	6.1	4.3	4.5	5.9		5.1	6.6	4.1	6.3	4.3	4.4	3.5	5.4	5.4	6.8
10/10							8.8	9.0	6.2															
10/11							14.4	12.5	7.8		11.7													
10/12	8.2	12.4	16.0	11.4	9.9	10.3	16.3	16.8	11.5		5.4				9.9	11.3	11.7		8.3	10.3		17.5		9.6
10/13							9.1	9.5	5.8		7.0													
10/14							8.9	11.0	5.2		10.1													
10/15	6.3	6.1		5.6	5.9	6.8	7.0	8.0	6.5	7.2	9.7		6.5		7.6	8.5	9.9		5.9	7.0	6.8	8.2	8.5	8.4
10/16							4.8	5.2	6.9		4.3													
10/17							3.6	3.2	0.9		2.5													
10/18	2.3	3.0	7.0	1.7	2.2		3.2	3.0	2.7		2.0				3.8	3.7	3.3	3.8	2.2			3.2		3.6
10/19						3.8	3.4	2.9	2.5		2.8									2.7				
10/20							3.7	2.9	2.0		2.5													
10/21	1.6	2.3		1.6	4.1		2.7	2.8	2.5	1.9	3.5	4.5			4.0	2.5	3.0	2.5	1.2	2.0	2.3	3.7	3.7	0.8
10/22						3.8	6.1	5.9	6.2		5.8													
10/23							11.7	14.9	7.6		12.9													
10/24	9.3	15.5	4.7	8.8	6.9	14.4	19.0	23.0	10.5		10.8				8.6	13.7	7.1	7.5	8.0	11.0				6.5
10/25							16.8	29.5	13.3													25.5		
10/26							17.2	21.2	15.5															
10/27	12.2	23.7	16.0	23.1	18.2	18.0	30.0	29.8	13.5	13.0	19.3	21.3	26.5		23.6	16.7	19.0		18.0	13.0	13.0	32.5	32.5	6.3
10/28							32.0	35.4	15.4		20.1													
10/29							24.2	29.0	16.6		10.9													
10/30	6.5	5.7	28.2	4.0	6.6	5.6	5.7	6.5	9.0		4.2		6.4		4.8	7.1	6.0			6.2		5.9		8.8
10/31							8.7	9.2	6.8		10.7													

	BR	BV	CW	HE	HG	HV	HW	RP	L4	X4	LN	LX	MG	N2	NP	O2	SF	SW	T3	WT	WX	WV	VX	VL
Arith Mean	5.9	8.5	11.1	7.4	6.8	7.5	8.1	11.0	7.0	6.8	7.7	9.2	8.8		7.9	8.0	7.4	5.1	6.1	6.4	6.2	10.5	11.1	6.3
Max 24-hr Avg	12.2	23.7	28.2	23.1	18.2	18.0	19.0	35.4	16.6	13.0	20.1	21.3	26.5		23.6	16.7	19.0	7.5	18.0	13.0	13.0	32.5	32.5	9.6
Std.Dev	3.3	6.8	8.4	6.8	4.6	5.2	4.7	9.6	4.3	4.0	5.1	8.1	8.7		6.0	4.7	5.1	3.9	2.2	3.9	4.2	10.1	12.1	2.6
Days Data	10	10	8	9	10	10	28	30	31	5	29	4	6		10	10	10	6.0	9	10	5	11	5	10
Yearly Mean	9.2	12.3	12.8	8.5	11.1	10.6	12.5	10.4	9.9	11.0	13.0	11.0	9.3	16.3	11.7	12.1	11.8	7.9	7.1	10.2	10.2	12.3	12.4	10.5

UTAH STATE DIVISION OF AIR QUALITY

PM2.5 Actual Concentration (24-hr average) in Micrograms per Cubic Meter

2007 November

Date	BR	BV	CW	HE	HG	HV	HW	RP	L4	X4	LN	LX	MG	N2	NP	O2	SF	SW	T3	WT	WX	WV	VX	VL
11/01							10.7	13.2	10.1		11.5													
11/02	6.2	7.7	10.9	8.7	7.9	7.2	9.7	12.7	9.5	11.1		11.4	8.5		12.7	9.6	9.6	9.3	6.5	8.4		15.0	18.5	2.6
11/03							11.5	14.4	10.5															
11/04							12.9	15.0	11.7															
11/05	12.5		18.5	9.5	9.9	12.5	17.8	19.2	14.5				13.7		10.1	16.4	8.7	12.3	9.0	13.1		23.7		8.9
11/06							18.9	21.8	14.8		13.3													
11/07							19.3	24.9	15.6		15.0													
11/08	17.3		25.0	10.5	10.3	3.3	26.2	30.3	16.6	16.8	17.8	18.3	21.9		12.7	18.3	13.3	14.1	12.4	12.8		33.1	33.5	8.4
11/09		19.7					18.9	22.3	18.2		13.8													
11/10							9.0	8.2	11.8		6.8													
11/11	4.4	7.2	8.1	4.2	4.6	1.3	7.2	6.5	6.8		4.8		8.8		4.4	7.8	6.3	7.7	4.1	6.1		7.1		7.0
11/12							13.0	14.1	8.3		12.2													
11/13							8.2	7.2	5.0		5.9													
11/14	3.5	9.1	7.6	4.3	5.5	3.9	8.9	8.1	6.4	6.6	6.2	5.8	3.7		7.3	6.8	7.0	0.5	4.5	5.1		6.9	7.4	8.6
11/15							18.0	19.2	11.7		13.0													
11/16							19.2	30.3	16.4		12.4													
11/17	12.0	12.4	11.7	4.5		10.9	12.5	15.0	10.7		12.6		13.5		7.4	11.4	5.2	7.9	4.3	7.4		16.2		12.1
11/18							6.0	4.3	3.7		4.5													
11/19							4.4	3.0	2.6		6.9													
11/20	2.9	3.5	3.3	2.6	2.8		2.9	2.1	3.4	3.9	3.6	3.8	2.4		3.8	4.5	3.9	9.4		2.8	2.9	3.3	3.5	7.8
11/21							10.0	8.7	9.3		11.0													
11/22							15.7	14.0	11.5															
11/23	4.2	9.1	12.7	6.6	10.2		9.8	10.8	9.6				6.9		2.1	10.8	13.8	9.4	9.0	8.9		14.1		
11/24							10.5	11.8	12.0															
11/25							14.9	13.1	10.8															
11/26	7.7	14.8	18.1	11.3	16.3		19.0	16.6	12.0	11.9		17.3	12.0		17.2	14.5	14.4	10.3	14.5	12.3	12.5	18.3	19.2	
11/27							8.7	6.6	7.5															
11/28							7.0	5.2	3.5		1.8													
11/29		6.2	11.8	3.6	7.1		12.3	9.5	3.5		8.3		3.4		9.7	7.2	7.2	11.5	5.1	5.2		10.3		
11/30							14.7	15.8	8.2		9.5													

Arith Mean	7.9	10.0	12.8	6.6	8.3	6.5	12.6	13.5	9.9	10.1	9.5	11.3	9.5		8.7	10.7	8.9	9.2	7.7	8.2	7.7	14.8	16.4	7.9
Max 24-hr Avg	17.3	19.7	25.0	11.3	16.3	12.5	26.2	30.3	18.2	16.8	17.8	18.3	21.9		17.2	18.3	14.4	14.1	14.5	13.1	12.5	33.1	33.5	12.1
Std.Dev	5.0	4.9	6.3	3.2	4.0	4.5	5.3	7.3	4.3	5.0	4.3	6.5	6.0		4.7	4.5	3.8	3.6	3.6	3.6	6.8	8.9	11.7	2.8
Days Data	9	9	10	10	9	6	30	30	30	5	20	5	10		10	10	10	10.0	9	10	2	10	5	7
Yearly Mean	9.1	12.1	12.8	8.3	10.8	10.4	12.5	10.9	9.8	11.0	12.8	11.0	9.3	16.3	11.3	12.0	11.5	8.0	7.1	10.0	10.2	12.6	12.9	10.3

UTAH STATE DIVISION OF AIR QUALITY

PM2.5 Actual Concentration (24-hr average) in Micrograms per Cubic Meter

2007 December

Date	BR	BV	CW	HE	HG	HV	HW	RP	L4	X4	LN	LX	MG	N2	NP	O2	SF	SW	T3	WT	WX	WV	VX	VL
12/01							16.2	12.2	9.9		8.6													
12/02	6.9	8.0	15.8	5.7	11.6	7.6	14.8	12.1	7.3	6.0	16.0	17.0	6.7		14.8	8.7	10.4		8.8	8.2	8.3	8.9	9.2	13.4
12/03							16.0	14.5	10.4		14.6													
12/04							24.5	25.5	13.5		22.6													
12/05	27.5	34.3	36.7	13.2	19.5	24.2	35.1	38.5	13.6		24.7		27.5		22.4	26.1	23.5		12.7	22.7		33.1		43.3
12/06							32.5	35.7	19.7		29.1													
12/07							12.5	9.3	14.0		1.4													
12/08	3.0	4.4	7.7	5.0	4.9	4.0	4.5	7.0	4.8	5.2	6.0	6.9	7.2		5.6	6.6	5.5		6.0	5.0	3.3	7.1	7.7	25.3
12/09							15.5	16.1	7.2		18.0													
12/10							19.5	18.7	14.5		16.3													
12/11	4.6	6.0	10.0		11.3	4.9	8.5	13.2	7.2		15.5				14.4	6.5	15.0					14.5		8.7
12/12							21.8	25.0	18.5		18.1													
12/13							25.0	26.8	23.7		22.0													
12/14	9.9	16.8				19.3	18.7	16.5	15.4	16.0	18.2	18.5										15.8	16.3	34.0
12/15							15.2	15.3	9.8		19.0													
12/16							25.0	23.8	21.6		17.5													
12/17							41.7															40.3		
12/18																								
12/19																								
12/20																								
12/21																								
12/22																								
12/23																								
12/24																								
12/25																								
12/26																								
12/27																								
12/28																								
12/29																								
12/30																								
12/31																								

entered to 12/m into AQS on 12/20/07

	BR	BV	CW	HE	HG	HV	HW	RP	L4	X4	LN	LX	MG	N2	NP	O2	SF	SW	T3	WT	WX	WV	VX	VL
Arith Mean	10.4	13.9	17.5	8.0	11.8	12.0	20.4	19.4	13.2	9.1	16.7	14.1	13.8		14.3	12.0	13.6		9.2	12.0	5.8	20.0	11.1	25.0
Max 24-hr Avg	27.5	34.3	36.7	13.2	19.5	24.2	41.7	38.5	23.7	16.0	29.1	18.5	27.5		22.4	26.1	23.5		12.7	22.7	8.3	40.3	16.3	43.3
Std.Dev	9.9	12.4	13.2	4.5	6.0	9.1	9.5	9.1	5.6	6.0	6.9	6.3	11.9		6.9	9.5	3.3	9.4		9.4	3.5	13.6	4.6	14.3
Days Data	5	5	4	3	4	5	17	16	16	3	16	3	3		4	4	4		3	3	2	6	3	5
Yearly Mean	9.1	12.2	13.0	8.3	10.9	10.4	13.0	11.6	10.0	10.9	13.0	11.2	9.5	16.3	11.5	12.0	11.6	8.0	7.2	10.0	10.0	13.0	12.8	11.1

UTAH STATE DIVISION OF AIR QUALITY

47mm Partisol: PM10 Concentration Adjusted to Sea Level (24-hr average) in Micrograms per Cubic Meter

2007 October

Date	Cottonwood	Hawthorn	Lindon	Logan 4	Magna(W)	StGeorge2	NProvo	NProvo-X	NSL	NSL-X	Ogden2
10/01		18	8						30		17
10/02		13	6						25		17
10/03	23	25	15	10	20	21	28	23	24	18	30
10/04		54	60						68		37
10/05		26	76						37		27
10/06	7	7	4	1	5	7	1		7		6
10/07		12	2						9		10
10/08		21	10						45		18
10/09	18	20	9	12	15	22	17	7	82	75	24
10/10		44	19						66		54
10/11		93	94						112		73
10/12	58	65	39	40	9979	8	39		105		50
10/13		24	15						25		19
10/14		20	14						21		20
10/15	15	19	15	13	16		9979	12	9979	29	21
10/16		19	14						27		22
10/17		10	9980						25		8
10/18	3	8	6	8	5		3		76		9
10/19		15	13						21		17
10/20		16	16						24		12
10/21	6	8	6	9	21		2	3	9	4	6
10/22		15	13						46		13
10/23		27	33						88		22
10/24	30	46	31		39		22		89		30
10/25		45	20	26					172		42
10/26		37	33						79		39
10/27	44	50	39	21	9		34	38	67	59	32
10/28		50	36						68		34
10/29		54	24						118		40
10/30	16	21	12	15	12		9979		80		19
10/31		21	24						33		21
Arith Mean	22	29	24	15	15	14	18	17	57	37	26
Max 24-hr Avg	58	93	94	40	39	22	39	38	172	75	73
Std. Dev	18	20	21	11	10	8	15	14	39	29	15
Days of Data	10	31	30	10	10	4	8	5	35	5	31
Days >150									1		
Yearly	30	28	29	22	22	28	27	26	49	48	29

UTAH STATE DIVISION OF AIR QUALITY

47mm Partisol: PM10 Concentration Adjusted to Sea Level (24-hr average) in Micrograms per Cubic Meter

2007 November

Date	Cottonwood	Hawthorn	Lindon	Logan 4	Magna(W)	StGeorge2	NProvo	NProvo-X	NSL	NSL-X	Ogden2
11/01		25	27						39		23
11/02	18	24	26			30		22	56	49	24
11/03		27	27						49		25
11/04		26	21						34		28
11/05	40	44	28	28	24	48	28		57		43
11/06		46	40						75		42
11/07		52	53						103		48
11/08	59	64	58	40	47	51	45		100		55
11/09		51	49						78		54
11/10		25	17						43		32
11/11	12	15	11	13	14	21	7		17		17
11/12		21	21						42		17
11/13		19	16						32		14
11/14	11	21	11	8	2	28	12	14	21	11	15
11/15		41	36						61		24
11/16		47	31						86		38
11/17	20	33	25	14	24	31	19		40		21
11/18		21	10						17		14
11/19		22	31						26		17
11/20	6	11	14	4	4	38	11		19	14	6
11/21		17	18						22		16
11/22		24	21						18		16
11/23	15	17	17	11	13	31	16		18		17
11/24		25	18						22		22
11/25		25	18						22		20
11/26	31	36	29	21	22	31	25		47	38	23
11/27		29	20						54		20
11/28		13	9						16		9
11/29	35	45	28	7	10	27	33		40		20
11/30		34	24						55		23

Arith Mean	25	30	25	16	18	34	22	18	44	28	25
Max 24-hr Avg	59	64	58	40	47	51	45	22	103	49	55
Std. Dev	16	13	12	12	13	9	12	5	25	19	13
Days of Data	10	30	30	9	9	10	9	2	30	4	30
Days >150											
Yearly Avg	29	28	29	21	22	28	26	25	47	44	28

UTAH STATE DIVISION OF AIR QUALITY

47mm Partisol: PM10 Concentration Adjusted to Sea Level (24-hr average) in Micrograms per Cubic Meter

2007 December

Date	Cottonwood	Hawthorn	Lindon	Logan 4	Magna(W)	StGeorge2	NProvo	NProvo-X	NSL	NSL-X	Ogden2
12/01		2	12						18		14
12/02	16	17	19	7	9	13	10	10	20	10	14
12/03		30	37						51		31
12/04		54	53						68		40
12/05	68	71	47	23	42		31		87		53
12/06		59	47						74		49
12/07		18	2						20		20
12/08	10	8		4	14			0	9	2	12
12/09		21							24		16
12/10									27		26
12/11	18						19		40		22
12/12									47		
12/13									47		
12/14									28	17	
12/15									33		
12/16											
12/17											
12/18											
12/19											
12/20											
12/21											
12/22											
12/23											
12/24											
12/25											
12/26											
12/27											
12/28											
12/29											
12/30											
12/31											
Arith Mean	28	31	31	11	22	13	20	5	39	10	27
Max 24-hr Avg	68	71	53	23	42	13	31	10	87	17	53
Std. Dev	27	24	20	10	18		10	7	23	8	15
Days of Data	4	9	7	3	3	1	3	2	15	3	11
Days >150											
Yearly Avg	29	28	29	21	22	28	26	25	47	44	28

UTAH OZONE SUMMARY for 2007

All values in ppm, 8-hr. average (4th Max. per calendar year)

Exceptional Events Excluded

Site:	2005	2006	2007	2005-2007 3Yr. Avg
Bountiful	**.092**	.082	.080	*.084*
Beach	**.086**	.082	.080	*.082*
Brigham City	.079	.078	.077	*.078*
Cottonwood	.083	.084	.080	*.082*
Harrisville	.084	.083	.080	*.082*
Hawthorne	.082	.082	.078	*.080*
Herriman #2	.080	.082	.077	*.079*
Highland	.080	.077	.076	*.077*
Logan #4	.069	.073	.074	*.072*
North Provo	.078	.074	.074	*.075*
Spanish Fork	.080	.079	.075	*.078*
St. George	.077	.069	.068	*.071*
Tooele #3	.080	.079	.076	*.078*
Vernal	*n/a*	*n/a*	.068	*n/a*
Wash. Terrace	.081	.083	.078	*.080*
West Valley	**.085**	.080	.077	*.080*

‡ Three-year averages are truncated to 3 decimal places, as regulations require. (A violation occurs if the 3-yr. avg. of 98th percentile values at a site reaches .085 ppm).

* Violation levels are the 2007 8-hr. (4th max.) values (if reached during the 2007 ozone season) that could potentially cause a violation of the 3-yr. ozone standard.

(M:/AIRS/AIRSINFO/OZONE/SUMMARYTABLES/2007SUMMARY)