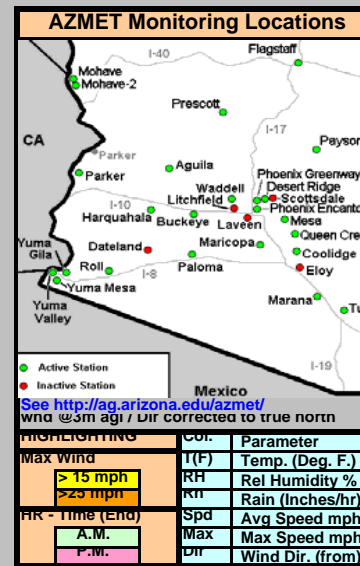


NORTHWEST PHOENIX						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	88	35	0	0	2	NW
2	86	37	0	0	3	NW
3	86	36	0	0	2	NW
4	85	38	0	1	3	N
5	85	36	0	1	3	SW
6	84	39	0	0	2	E
7	83	43	0	0	2	W
8	92	39	0	0	2	W
9	95	31	0	2	4	NE
10	98	26	0	2	6	SE
11	100	24	0	4	8	SE
12	102	23	0	4	11	SE
1	104	20	0	4	8	SE
2	105	18	0	4	10	SE
3	106	18	0	3	8	SE
4	107	17	0	3	8	S
5	107	17	0	3	8	SE
6	105	18	0	3	8	SE
7	102	21	0	3	8	NE
8	100	22	0	4	7	NE
9	96	23	0	3	8	NE
10	91	30	0	2	NW	
11	91	30	0	1	3	N
12	43	63	0	3	7	E

NORTH PHOENIX						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	93	27	0	1	4	NE
2	92	29	0	2	4	NE
3	89	33	0	3	4	NE
4	89	31	0	2	4	E
5	89	31	0	1	4	NE
6	87	36	0	0	0	W
7	86	41	0	0	0	NE
8	90	42	0	2	5	S
9	94	29	0	2	6	W
10	99	26	0	2	7	SE
11	100	24	0	4	9	E
12	101	23	0	5	12	S
1	102	21	0	7	14	S
2	104	20	0	5	11	S
3	105	19	0	5	15	S
4	105	17	0	4	11	S
5	105	17	0	3	8	S
6	102	20	0	6	14	NE
7	100	21	0	5	9	NE
8	98	21	0	4	8	E
9	97	22	0	3	7	NE
10	96	24	0	4	7	NE
11	95	26	0	3	7	NE
12	92	26	0	2	5	E

CENTRAL PHOENIX						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	88	44	0	0	2	E
2	84	55	0	0	2	E
3	84	54	0	0	1	SW
4	83	55	0	1	3	N
5	85	46	0	1	3	SE
6	86	40	0	0	2	S
7	84	44	0	0	2	S
8	92	38	0	1	5	S
9	95	32	0	4	7	SE
10	98	29	0	4	7	SE
11	100	26	0	4	9	SE
12	102	24	0	4	9	E
1	103	21	0	4	9	SE
2	104	20	0	3	10	S
3	106	18	0	3	11	SE
4	107	18	0	3	8	SE
5	106	18	0	3	7	SE
6	104	20	0	3	11	NE
7	101	22	0	5	11	NE
8	98	24	0	3	7	E
9	92	34	0	1	3	W
10	91	33	0	1	4	N
11	93	28	0	4	8	NE
12	43	63	0	3	7	E

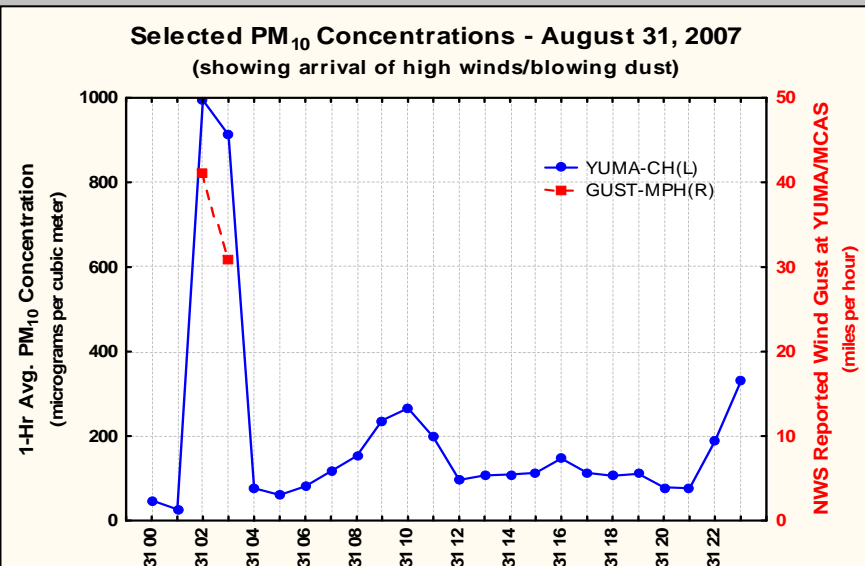
SOUTHEAST PHOENIX						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	84	59	0	4	9	SE
2	82	64	0	2	7	NE
3	83	58	0	2	4	E
4	81	68	0	3	6	NE
5	82	61	0	2	5	E
6	79	72	0	2	9	E
7	87	43	0	8	12	E
8	85	57	0	4	7	SE
9	87	52	0	3	6	SE
10	95	35	0	5	9	SE
11	96	32	0	7	10	SE
12	100	28	0	6	11	SE
1	102	24	0	6	13	SE
2	104	20	0	2	9	S
3	105	20	0	2	10	SE
4	105	22	0	3	13	SW
5	107	22	0	1	4	N
6	102	26	0	8	24	NE
7	97	26	0	7	16	NE
8	92	35	0	4	8	NE
9	89	43	0	3	8	NE
10	90	39	0	4	9	NE
11	86	50	0	4	6	NE
12	65	53	0	2	3	N



**Figure 1. Key Data for Event of August 31, 2007**

PHX WINDS	KEY	PM10 PLOT
CEN. AZ	SAT IMAGES	
WINDS	MONITOR SITES	
SO AZ	FORECAST	

**SUMMARY OF EVENT**  
 A major thunderstorm cell developed in the Yuma area which produced a major dust storm just after midnight. Wind gusts over 40 mph with blowing dust and visibility less than 2 miles were observed at the YUMA/MCAS.

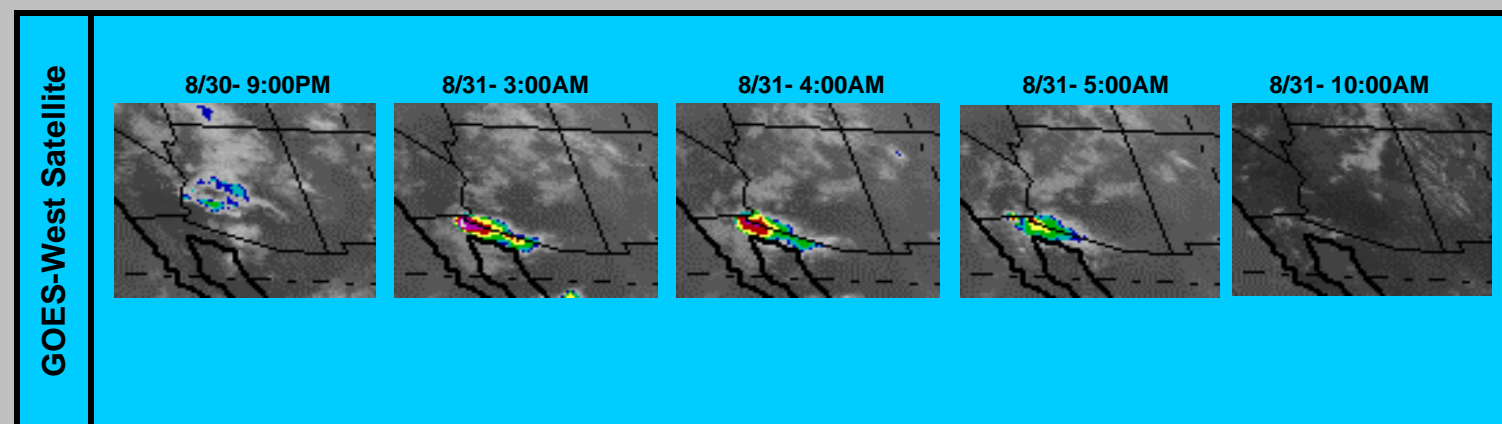


PARKER						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	87	54	0	3	5	SW
2	87	55	0	2	6	E
3	87	57	0	2	4	E
4	87	54	0	1	4	NW
5	87	53	0	1	3	S
6	85	61	0	1	4	E
7	83	66	0	1	4	S
8	84	64	0	2	6	NE
9	89	56	0	2	5	E
10	97	35	0	2	6	NE
11	99	31	0	4	7	NE
12	103	25	0	3	6	N
1	105	22	0	3	7	NW
2	107	20	0	4	7	NW
3	109	18	0	4	8	NW
4	110	18	0	4	7	NW
5	111	16	0	5	6	N
6	110	17	0	4	6	SW
7	108	18	0	2	4	NW
8	97	37	0	4	7	S
9	92	44	0	6	10	S
10	90	47	0	7	10	S
11	91	44	0	7	13	S
12	36	21	0	13	19	E

BUCKEYE						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	92	34	0	3	7	E
2	88	40	0	3	6	E
3	86	44	0	4	7	E
4	86	42	0	4	7	SE
5	87	40	0	4	10	E
6	83	51	0	4	6	SE
7	83	51	0	3	5	SE
8	88	50	0	2	4	SE
9	92	52	0	4	7	SE
10	94	46	0	4	7	SE
11	99	34	0	2	4	SE
12	101	31	0	3	6	SE
1	103	27	0	3	6	SE
2	105	23	0	2	5	SE
3	107	20	0	2	7	W
4	107	18	0	2	10	SW
5	107	20	0	2	6	SE
6	104	31	0	3	6	SE
7	98	35	0	4	6	SE
8	95	32	0	3	9	E
9	94	31	0	6	9	E
10	99	22	0	4	10	NE
11	98	22	0	6	10	NE
12	36	23	0	7	14	N

MARICOPA						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	87	43	0	1	4	E
2	85	48	0	1	3	S
3	84	51	0	2	4	SE
4	83	52	0	0	0	SW
5	82	52	0	1	4	SW
6	79	64	0	1	4	NE
7	81	58	0	2	5	SW
8	87	48	0	2	5	SW
9	92	39	0	2	5	SW
10	96	33	0	4	6	S
11	100	26	0	3	9	S
12	103	22	0	4	9	S
1	105	19	0	3	8	S
2	105	18	0	3	8	NE
3	106	17	0	3	11	E
4	108	16	0	3	8	W
5	108	16	0	4	10	W
6	105	20	0	3	6	NE
7	101	23	0	7	18	NE
8	96	26	0	7	13	NE
9	94	31	0	4	7	NE
10	92	33	0	4	6	NE
11	92	33	0	3	6	N
12	90	34	0	3	6	N

COOLIDGE						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	83	57	0	1	5	W
2	80	70	0	0	2	SE
3	78	76	0	2	5	SE
4	77	81	0	1	4	SE
5	76	82	0	1	3	SE
6	74	84	0	1	3	N
7	77	74	0	1	3	N
8	82	63	0	3	6	NE
9	90	49	0	2	5	SE
10	94	42	0	3	5	S
11	96	38	0	4	8	SW
12	99	31	0	4	7	SW
1	101	28	0	2	6	W
2	103	27	0	2	5	N
3	104	26	0	1	5	NE
4	106	25	0	1	4	NW
5	106	30	0	1	3	SW
6	103	32	0	2	4	SW
7	96	37	0	4	12	E
8	91	38	0	4	10	NE
9	88	48	0	3	5	NE
10	86	53	0	2	4	NE
11	84	57	0	3	5	N
12	81	63	0	1	6	N



YUMA						
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	90	57	0	2	5	SE
2	90	59	0	1	4	NW
3	88	58	0	12	32	S
4	83	66	0	12	21	SW
5	83	63	0	5	13	SW
6	82	69	0	2	5	NE
7	81	72	0	3	6	N
8	85	64	0	5	8	NE
9	92	45	0	4	9	NE
10	98	33	0	2	7	S
11	101	28	0	2	6	NW
12	103	26	0	3	8	NW
1	106	22	0	3	9	