

NORTH PHOENIX

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	85	16	-	8	14	SW
2	83	15	-	6	11	SW
3	79	16	-	4	7	S
4	77	22	-	3	9	S
5	76	27	-	6	11	SW
6	75	31	-	5	9	SW
7	75	22	-	7	15	SW
8	74	19	-	8	14	SW
9	76	20	-	8	14	SW
10	77	18	-	9	14	SW
11	79	18	-	9	18	SW
12	81	16	-	10	18	SW
1	83	15	-	10	19	SW
2	84	11	-	11	19	SW
3	85	9	-	12	22	SW
4	86	11	-	11	18	SW
5	86	12	-	10	19	SW
6	85	13	-	11	17	SW
7	84	13	-	9	17	SW
8	82	11	-	9	17	SW
9	80	11	-	7	15	SW
10	78	12	-	5	10	SW
11	76	15	-	4	8	SW
12	74	18	-	3	6	SW

CENTRAL PHOENIX

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	87	14	-	8	15	W
2	84	15	-	6	11	W
3	80	19	-	4	10	SW
4	78	23	-	4	8	SW
5	78	26	-	5	11	SW
6	77	26	-	6	11	SW
7	77	17	-	6	15	SW
8	76	17	-	7	13	W
9	77	19	-	7	13	W
10	79	19	-	9	15	W
11	81	18	-	9	17	W
12	82	16	-	10	16	W
1	83	14	-	12	20	SW
2	85	11	-	11	20	W
3	87	9	-	13	21	W
4	87	9	-	13	21	W
5	87	10	-	12	20	SW
6	86	12	-	10	18	SW
7	85	12	-	9	16	SW
8	83	11	-	8	15	SW
9	81	10	-	7	13	SW
10	79	12	-	6	12	SW
11	78	14	-	5	11	W
12	43	65	-	3	7	E

SOUTHEAST PHOENIX

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	87	15	-	3	11	W
2	86	14	-	2	6	SW
3	83	15	-	2	5	SW
4	80	17	-	3	7	S
5	77	27	-	4	8	S
6	77	23	-	6	10	S
7	79	17	-	5	11	S
8	81	13	-	5	10	SW
9	82	14	-	6	13	W
10	83	18	-	8	17	W
11	84	15	-	8	16	W
12	86	12	-	9	15	SW
1	87	10	-	10	18	SW
2	88	8	-	11	20	W
3	90	7	-	12	23	SW
4	90	6	-	11	21	W
5	89	6	-	12	21	W
6	88	6	-	11	19	W
7	87	7	-	9	17	W
8	84	9	-	7	14	W
9	82	8	-	6	11	SW
10	81	10	-	4	10	W
11	79	11	-	3	5	SW
12	77	14	-	3	6	SW

SOUTHEAST PHOENIX

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	79	23	-	4	9	S
2	77	27	-	4	10	SW
3	78	20	-	5	15	W
4	74	26	-	3	9	SW
5	65	45	-	3	5	SE
6	68	38	-	3	5	S
7	73	32	-	4	6	S
8	78	27	-	8	16	SW
9	78	22	-	10	18	W
10	79	24	-	7	12	W
11	80	26	-	7	15	W
12	81	23	-	9	18	W
1	82	16	-	11	17	W
2	83	15	-	11	19	W
3	84	14	-	10	18	W
4	85	14	-	9	20	W
5	84	14	-	9	17	W
6	83	11	-	10	18	W
7	81	11	-	8	15	W
8	78	11	-	7	12	W
9	75	12	-	5	11	W
10	74	13	-	5	13	W
11	71	19	-	3	6	W
12	68	22	-	3	6	SW

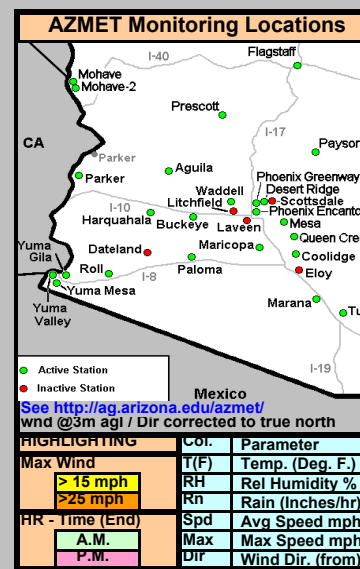
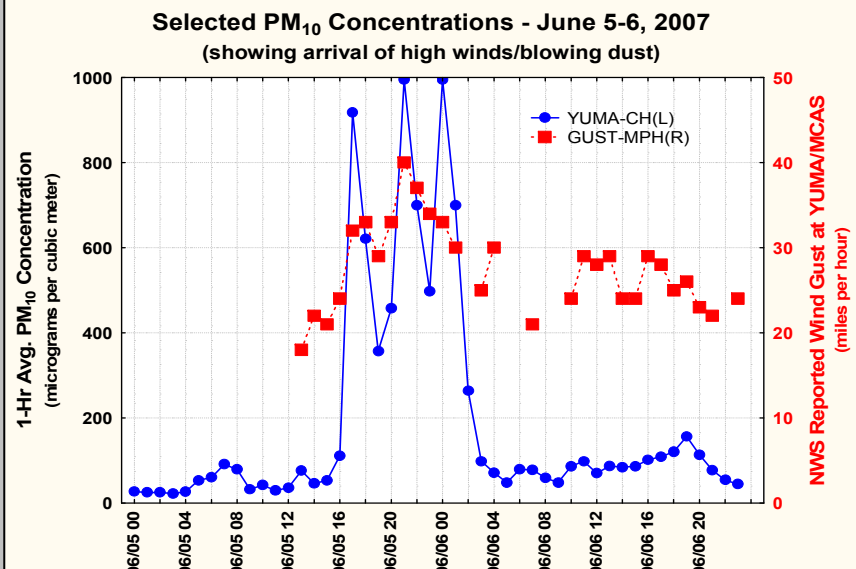


Figure 1. Key Data for Event of June 6, 2007

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

SUMMARY OF EVENT
A strong trough of low pressure pushed across the western US bringing high winds and blowing dust. The system arrived in the afternoon of June 5th and continued producing high winds and elevated PM10 concentrations through June 6th.



PARKER

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	76	25	-	14	19	S
2	74	29	-	9	21	S
3	71	37	-	7	15	S
4	69	44	-	6	13	S
5	72	36	-	13	24	W
6	71	33	-	11	21	NW
7	70	35	-	4	11	NW
8	70	42	-	6	12	W
9	74	34	-	4	11	SW
10	78	22	-	5	16	NW
11	79	16	-	17	25	NW
12	81	14	-	16	23	NW
1	83	11	-	12	20	NW
2	86	9	-	11	21	W
3	89	8	-	9	22	SW
4	90	7	-	10	17	NW
5	90	6	-	12	18	W
6	88	9	-	10	17	NW
7	85	15	-	6	16	SW
8	80	15	-	7	14	SW
9	80	7	-	12	22	NW
10	78	9	-	17	24	NW
11	75	12	-	17	27	NW
12	73	14	-	14	27	NW

BUCKEYE

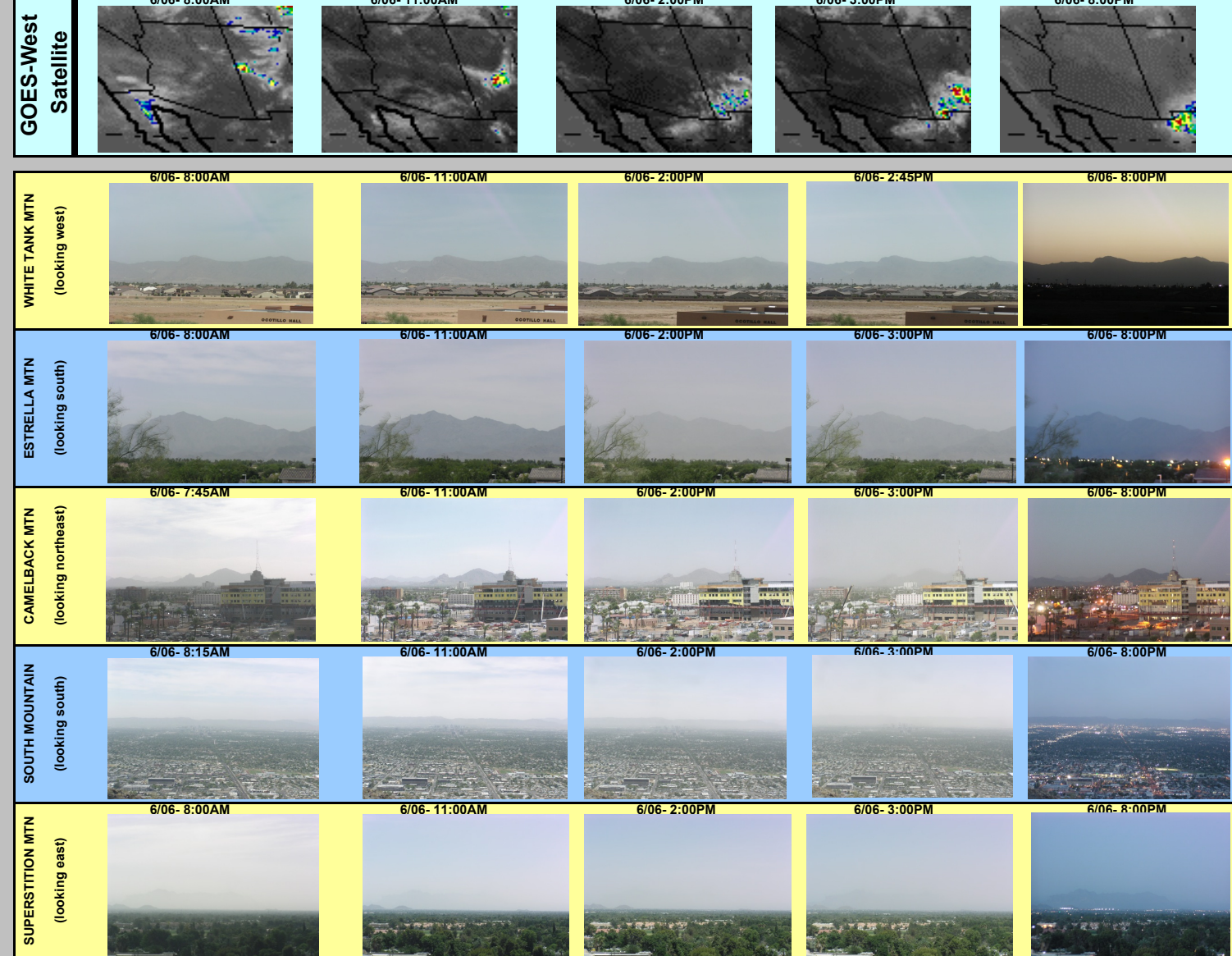
Hr	T(F)	RH	Rn	Spd	Max	Dir
1	76	24	-	8	12	NW
2	75	25	-	2	5	NW
3	73	30	-	3	8	NW
4	72	31	-	2	4	NW
5	69	41	-	2	5	W
6	67	41	-	3	9	SW
7	67	37	-	6	11	W
8	70	34	-	7	12	SW
9	74	33	-	7	12	W
10	76	35	-	7	14	W
11	78	31	-	7	15	W
12	80	23	-	12	23	SW
1	80	20	-	14	22	SW
2	82	19	-	13	22	SW
3	82	21	-	14	22	SW
4	83	20	-	13	21	SW
5	83	20	-	12	20	W
6	83	17	-	12	18	SW
7	82	14	-	12	19	SW
8	79	14	-	10	17	SW
9	75	18	-	8	13	SW
10	74	18	-	8	17	SW
11	69	28	-	5	10	W
12	63	26	-	4	6	SW

MARICOPA

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	82	19	-	6	12	SW
2	83	16	-	7	15	W
3	80	19	-	6	12	W
4	74	28	-	4	7	SW
5	74	31	-	7	13	SW
6	76	25	-	9	14	SW
7	76	26	-	8	13	SW
8	80	16	-	11	20	W
9	80	16	-	13	20	W
10	81	17	-	14	22	W
11	83	15	-	14	21	W
12	84	11	-	15	24	W
1	86	9	-	14	21	W
2	88	7	-	15	22	W
3	89	8	-	15	22	W
4	89	8	-	16	29	W
5	89	7	-	16	25	W
6	87	7	-	17	24	W
7	85	7	-	14	22	W
8	82	8	-	11	17	W
9	79	9	-	8	13	W
10	76	12	-	6	8	W
11	70	21	-	5	7	SW
12	72	19	-	6	11	W

COOLIDGE

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	78	27	-	7	12	S
2	78	25	-	8	13	SW
3	75	25	-	7	11	W
4	70	30	-	5	7	W
5	72	29	-	6	9	SW
6	69	39	-	5	9	SW
7	71	44	-	5	13	SW
8	80	19	-	13	20	W
9	82	14	-	11	15	W
10	84	15	-	9	17	W
11	86	17	-	11	20	W
12	86	14	-	15	24	W
1	87	11	-	17	25	W
2	89	10	-	18	27	W
3	90	9	-	17	24	W
4	90	9	-	16	26	W
5	91	7	-	16	27	W
6	88	8	-	15	23	W
7	84	7	-	14	21	NW
8	80	8	-	11	18	NW
9	78	9	-	9	16	NW
10	77	11	-	10	18	W
11	71	14	-	6	11	W
12	65	25	-	6	9	SW



YUMA

Hr	T(F)	RH	Rn	Spd	Max	Dir
1	75	28	-	21	33	NW
2	71	38	-	17	31	NW
3	70	34	-	12	22	NW
4	70	25	-	16	24	NW