APPENDIX A

Third Quarter 2010 Meteorological Data

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TOA5	Met 1	CR3000	2397	CR3000.Std.07	CPU:Energ	47662	HrlyData												
TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	WSpd_m/s	WDir_Deg	ST	VertWS_EPS_Avg	VertWS_EPS_Std	VertWS_CFT_Avg	VertWS_CFT_Std	Temp2m_Avg	Temp10m_Avg	DeltaT_Avg	Precip_Tot	RH_Avg	RHTemp_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC		in		DegF
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg	Tot	Avg	Avg
7/1/2010 0:00	14914	1_60	2010	182	0	5.43327	155.9534	14.1511	5.123	31.89	36.99	35.95	24.22	24.98	0.7551807	0	18.28	75.72
7/1/2010 1:00	14915	1_60	2010	182	100	5.750957	173.463	9.638673	2.136	30.16	42.17	32.93	25.07	25.43	0.3639819	0	16.93	77.29
7/1/2010 2:00	14916	1_60	2010	182	200	1.734453	115.2789	52.99751	-0.621	14.3	0.746	15.26	21.74	22.62	0.8871409	0	23.35	71.42
7/1/2010 3:00	14917	1_60	2010	182	300	2.428066	132.887	14.1043	1.54	11.63	7.769	14.37	21.7	22.89	1.191555	0	27.39	71.14
7/1/2010 4:00	14918	1_60	2010	182	400	2.317957	207.0786	46.14006	2.411	24.13	11.86	27.73	22.48	23.07	0.5850256	0	29.52	72.74
7/1/2010 5:00	14919	1_60	2010	182	500	4.3407	174.2227	15.06618	2.604	29.83	30.24	32.22	22.44	22.92	0.4864335	0	30.47	72.51
7/1/2010 6:00	14920	1_60	2010	182	600	4.983284	172.8398	10.00823	2.599	30.14	36.47	31.76	22.97	23.11	0.1370199	0	30.27	73.46
7/1/2010 7:00	14921	1_60	2010	182	700	3.853555	161.2613	28.4028	6.225	31.2	27.72	34.24	24.74	24.38	-0.3577505	0	26.97	76.77
7/1/2010 8:00	14922	1_60	2010	182	800	3.644885	323.0035	15.25192	5.325	24.72	-2.366	27.22	24.77	24.19	-0.5790509	0	25.48	77.17
7/1/2010 9:00	14923	1_60	2010	182	900	4.420849	272.9648	22.87153	4	30.67	12.64	35.24	25.67	24.97	-0.7046298	0	27.98	78.4
7/1/2010 10:00	14924	1_60	2010	182	1000	5.844178	230.0743	15.57942	2.78	38.88	34.17	41.47	26.54	25.45	-1.094326	0	28.45	79.69
7/1/2010 11:00	14925	1_60	2010	182	1100	4.728565	223.7157	16.08446	2.145	32.99	25.7	34.53	26.83	25.73	-1.099984	0	27.96	80.3
7/1/2010 12:00	14926	1_60	2010	182	1200	2.453896	265.1848	48.92194	3.895	37.56	10.15	37.49	26.67	25.94	-0.7216746	0	27.97	80.6
7/1/2010 13:00	14927	1_60	2010	182	1300	2.918648	246.6675	50.64339	1.574	38.13	8.93	42.53	28.78	27.64	-1.138337	0	24.7	84.3
7/1/2010 14:00	14928	1_60	2010	182	1400	3.881627	213.6566	25.89063	3.055	32.79	23.83	36.04	28.95	28.1	-0.8490857	0	23.7	84.2
7/1/2010 15:00	14929	1_60	2010	182	1500	3.973876	241.0011	30.95958	5.312	35.19	13.5	39.43	29.66	28.81	-0.8541054	0	22.45	85.6
7/1/2010 16:00	14930	1_60	2010	182	1600	4.600728	320.1706	26.77543	4.52	31.63	-4.459	37.06	29.66	28.84	-0.8169119	0	22.64	85.5
7/1/2010 17:00	14931	1_60	2010	182	1700	1.973075	98.38256	27.91032	1.723	18.43	2.442	18.84	27.71	28.18	0.4642792	0.03	34.09	82.6
7/1/2010 18:00	14932	1_60	2010	182	1800	2.490785	336.1602	38.09919	2.397	12	-0.006	13.3	26.16	26.67	0.5123794	0	37.2	79.38
7/1/2010 19:00	14933	1_60	2010	182	1900	9.200698	190.9178	11.82568	7.604	54.15	73.57	56.39	24.77	25.02	0.25379	0	36.45	76.67
7/1/2010 20:00	14934	1_60	2010	182	2000	5.901821	149.4746	37.22767	3.725	39.29	40.19	50.09	24.49	24.67	0.1834879	0	32.24	76.2
7/1/2010 21:00	14935	1_60	2010	182	2100	2.100158	131.0926	38.88157	3.056	17.1	7.322	18.04	22.52	23.24	0.7144682	0	40.17	72.88
7/1/2010 22:00	14936	1_60	2010	182	2200	2.43506	102.4578	15.20538	0.458	2.921	7.591	12.26	20.04	21.99	1.958611	0	48.57	68.51
7/1/2010 23:00	14937	1_60	2010	182	2300	2.015566	146.6504	35.51559	0.316	3.267	0.797	5.222	17.76	19.76	1.995084	0	54.37	64.67
7/2/2010 0:00	14938	1_60	2010	183	0	1.517674	173.474	46.91827	0.5	4.517	2.091	7.527	16.33	18.66	2.332	0	59.59	61.51
7/2/2010 1:00	14939	1_60	2010	183	100	1.090411	154.5965	62.40551	0.201	3.152	1.369	6.522	17.03	18.87	1.837538	0	58.1	62.69
7/2/2010 2:00	14940	1_60	2010	183	200	2.543148	104.4978	12.48317	0.408	2.491	2.081	5.503	15.27	17.28	2.009999	0	64.84	59.74
7/2/2010 3:00	14941	1_60	2010	183	300	1.171597	142.3943	37.55404	0.029	2.162	0.213	3.397	16.61	17.88	1.266426	0	59.62	61.79
7/2/2010 4:00	14942	1_60	2010	183	400	0.9783415	139.5267	47.02567	-0.111	1.617	-0.176	2.746	15.86	17.08	1.217615	0	61.84	60.73
7/2/2010 5:00	14943	1_60	2010	183	500	1.105609	62.58421	39.3984	0.291	2.171	0.345	3.409	15.87	16.6	0.7312217	0	61	60.78
7/2/2010 6:00	14944	1_60	2010	183	600	2.035167	298.7552	44.65578	0.523	4.999	1.353	7.971	14.6	16.34	1.736596	0	67.66	58.6
7/2/2010 7:00	14945	1_60	2010	183	700	1.109215	170.463	66.54941	1.068	8.07	2.285	10.83	18.7	18.45	-0.2492437	0	52.72	66.54
7/2/2010 8:00	14946	1_60	2010	183	800	3.307062	321.6237	23.56646	3.748	21.6	-2.248	24.93	21.06	20.45	-0.6113252	0	47.03	70.77
7/2/2010 9:00	14947	1_60	2010	183	900	3.263361	311.6103	19.87074	3.19	27.01	-1.002	30.03	23.71	23.01	-0.6919107	0	40.04	75.13
7/2/2010 10:00	14948	1_60	2010	183	1000	2.607548	317.6835	47.06541	1.11	36.49	0.653	40.01	27.31	26.56	-0.7501245	0	29.95	81.7
7/2/2010 11:00	14949	1_60	2010	183	1100	5.441721	214.7406	31.84803	4.542	41.92	31.55	47.24	30.15	28.81	-1.347759	0	23.97	86.1
7/2/2010 12:00	14950	1_60	2010	183	1200	5.681421	193.8899	23.45357	2.84	47.63	33.94	54	31.13	29.78	-1.356092	0	21.35	87.7
7/2/2010 13:00	14951	1_60	2010	183	1300	9.299428	218.0907	18.01894	4.804	64.05	56.81	73.2	29.39	28.66	-0.7262705	0.01	24.96	85
7/2/2010 14:00	14952	1_60	2010	183	1400	4.001271	295.3966	44.67968	5.125	40.03	8.5	45.25	26.31	26.1	-0.2161465	0	31.25	80.1
7/2/2010 15:00	14953	1_60	2010	183	1500	7.650136	216.2733	23.30301	2.401	55.48	45.99	60.96	31.23	29.94	-1.286711	0	18.84	87.8
7/2/2010 16:00	14954	1_60	2010	183	1600	9.006026	183.092	17.98456	3.691	58.99	63.54	64.52	29.08	28.24	-0.8401333	0	23.05	84
7/2/2010 17:00	14955	1_60	2010	183	1700	7.559249	187.0266	15.39112	0.826	46.27	47.41	49.67	28.44	27.82	-0.6230244	0	22.2	83
7/2/2010 18:00	14956	1_60	2010	183	1800	7.952964	171.5578	25.65378	-1.176	50.66	51.79	60.4	25.6	25.39	-0.209489	0	29.41	77.99
7/2/2010 19:00	14957	1_60	2010	183	1900	5.428432	116.4405	17.47128	9.32	37.06	24.75	45.21	24.58	24.26	-0.3156302	0	33.58	76.29
7/2/2010 20:00	14958	1_60	2010	183	2000	2.339128	136.7521	26.32903	2.691	17.16	9.37	20.65	23.8	24.18	0.3868386	0	32.65	75.22
7/2/2010 21:00	14959	1_60	2010	183	2100	2.42414	126.7008	32.23476	0.706	4.936	7.278	11.43	21.46	22.51	1.051378	0	38.49	70.82
7/2/2010 22:00	14960	1_60	2010	183	2200	2.607348	136.5912	21.86515	0.451	6.353	6.927	11.34	20.16	21.45	1.292986	0	42.28	68.57
7/2/2010 23:00	14961	1_60	2010	183	2300	2.83546	117.4257	10.59709	0.339	3.277	7.883	10.68	18.78	20.46	1.680232	0	47.1	66.05
7/3/2010 0:00	14962	1_60	2010	184	0	1.304197	234.1915	37.85285	0.052	1.094	-0.038	1.253	18.71	19.77	1.060165	0	47.18	65.91
7/3/2010 1:00	14963	1_60	2010	184	100	1.211617	171.7574	34.03531	0.025	1.482	0.002	2.917	17.71	19.16	1.447544	0	50.97	64.12
7/3/2010 2:00	14964	1_60	2010	184	200	1.701771	120.912	26.28435	0.239	2.544	0.395	2.619	17.02	19	1.981103	0	52.56	62.91
7/3/2010 3:00	14965	1_60	2010	184	300	1.435555	126.0996	9.461703	0.177	3.677	0.222	3.437	16.79	19.09	2.292421	0	52.77	62.45
7/3/2010 4:00	14966	1_60	2010	184	400	1.589269	125.9997	22.93933	0.135	2.577	0.206	3.786	15.56	18.34	2.784034	0	55.46	60.53
7/3/2010 5:00	14967	1_60	2010	184	500	2.072319	110.0348	23.52306	0.124	5.304	0.458	4.72	15.81	18.08	2.275989	0	56.63	60.63
7/3/2010 6:00	14968	1_60	2010	184	600	0.9492929	266.0858	51.30013	-0.013	0.548	-0.132	1.711	16	17.53	1.526993	0	56.13	61.42
7/3/2010 7:00	14969	1_60	2010	184	700	1.070985	4.1471	49.02097	0.994	7.409	-0.035	8.34	19.22	19.03	-0.1909312	0	46.46	68.09
7/3/2010 8:00	14970	1_60	2010	184	800	1.977367	312.0775	25.45877	2.889	19.38	0.222	21.64	22.29	21.9	-0.390629	0	40.26	73.18
7/3/2010 9:00	14971	1_60	2010	184	900	3.842919	232.7499	44.59781	1.498	43.11	14.9	49.18	26.14	25.32	-0.8214363	0	27.86	79.32
7/3/2010 10:00	14972	1_60	2010	184	1000	9.341873	230.1456	15.28274	0.529	59.91	50.2	63.49	28.18	27.06	-1.121733	0	16.33	82.5
7/3/2010 11:00	14973	1_60	2010	184	1100	8.8505	214.1659	16.90236	4.573	59.51	58.76	63.12	29.47	28.07	-1.400946	0	13.3	84.7
7/3/2010 12:00	14974	1_60	2010	184	1200	9.054461	235.6365	18.03332	4.276	62.79	50.39	65.22	30.13	28.63	-1.504934	0	12.69	85.8
7/3/2010 13:00	14975	1_60	2010	184	1300	9.28721	248.8961	17.37806	5.324	61.77	42.81	67.6	30.93	29.39	-1.538106	0	11.22	87.1
7/3/2010 14:00	14976	1_60	2010	184	1400	9.668609	216.8656	18.44894	5.061	62.5	64.95	66.34	31.63	30.09	-1.535564	0	9.79	88.4
7/3/2010 15:00	14977	1_60	2010	184	1500	8.287482	226.0211	20.74084	2.548	58.76	46.25	63.11	31.91	30.42	-1.498848	0	9.79	89
7/3/2010 16:00	14978	1_60	2010	184	1600	6.204791	232.0884	26.81894	3.412	47.35	32.97	51.41	31.47	30.45	-1.020205	0	10.39	88.5
7/3/2010 17:00	14979	1_60	2010	184	1700	5.488475	230.8243	18.84432	3.21	38.25	28.58	41.45	30.97	30.32	-0.6499814	0	10.78	87.8
7/3/2010 18:00	14980	1_60	2010	184	1800	4.228536	242.7231	23.94139	0.947	32	18.77	36.61	30.38	30.12	-0.2618211	0	10.65	86.9
7/3/2010 19:00	14981	1_60	2010	184	1900	4.735462	241.8684	17.98166	-1.758	29.32	17.81	32.82	30.08	30.05	-0.02838103	0	10.04	86.5
7/3/2010 20:00	14982	1_60	2010	184	2000	4.465569	241.2352	13.01869	-0.548	22.38	17.76	24.87	28.34	29.09	0.7486207	0	10.31	83.5
7/3/2010 21:00	14983	1_60	2010	184	2100	2.72608	280.7256	11.07494	0.47	3.289	1.978	4.437	24.21	26.21	2.008469	0	12.14	76.09
7/3/2010 22:00	14984	1_60	2010	184	2200	2.114141	304.1276	20.75232	0.197	1.748	1.02	2.796	21.47	24.09	2.61472	0	13.76	71.15
7/3/2010 23:00	14985	1_60	2010	184	2300	1.921336	137.5138	11.49677	-0.205	4.504	1.085	5.69	18.87	22.87	3.999525	0	14.78	66.63

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TOA5	Met 1	CR3000	2397	CR3000.Std.07	CPU:Energ								
TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg	
TS	RN					inHg	W/m²	in	m/s	Deg		Volts	
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg	
7/1/2010 0:00	14914	1_60	2010	182	0	24.66	0.024	7.021	10.85	172.2	2355	13.08	
7/1/2010 1:00	14915	1_60	2010	182	100	24.66	0.012	7.001	10.48	174.9	9	13.06	
7/1/2010 2:00	14916	1_60	2010	182	200	24.67	0.049	6.989	3.959	261.1	101	13.06	
7/1/2010 3:00	14917	1_60	2010	182	300	24.67	0.053	6.985	4.13	147.8	236	13.08	
7/1/2010 4:00	14918	1_60	2010	182	400	24.69	0.062	6.979	8.19	196.6	344	13.08	
7/1/2010 5:00	14919	1_60	2010	182	500	24.7	1.329	6.972	7.987	168.9	446	13.09	
7/1/2010 6:00	14920	1_60	2010	182	600	24.71	74.44	6.96	8.81	159.5	505	13.08	
7/1/2010 7:00	14921	1_60	2010	182	700	24.72	244.2	6.95	8.26	172.1	635	13.05	
7/1/2010 8:00	14922	1_60	2010	182	800	24.72	504.5	6.944	5.734	303.6	756	13.01	
7/1/2010 9:00	14923	1_60	2010	182	900	24.72	399.2	6.937	10.27	216	837	12.98	
7/1/2010 10:00	14924	1_60	2010	182	1000	24.72	606.6	6.925	10.1	218.3	933	12.98	
7/1/2010 11:00	14925	1_60	2010	182	1100	24.71	465.9	6.91	8.98	220.6	1014	12.97	
7/1/2010 12:00	14926	1_60	2010	182	1200	24.69	547.9	6.894	6.656	260	1117	12.96	
7/1/2010 13:00	14927	1_60	2010	182	1300	24.66	885	6.882	8.09	256.5	1230	12.94	
7/1/2010 14:00	14928	1_60	2010	182	1400	24.64	373.7	6.869	9.18	216.9	1338	12.93	
7/1/2010 15:00	14929	1_60	2010	182	1500	24.62	470.6	6.85	10.38	345.5	1455	12.93	
7/1/2010 16:00	14930	1_60	2010	182	1600	24.6	494.4	6.824	10.14	300.1	1506	12.93	
7/1/2010 17:00	14931	1_60	2010	182	1700	24.57	167.7	6.804	5.495	145.5	1631	12.94	
7/1/2010 18:00	14932	1_60	2010	182	1800	24.59	78.97	6.798	5.257	32.67	1701	12.97	
7/1/2010 19:00	14933	1_60	2010	182	1900	24.6	51.28	6.783	16.42	192.7	1814	13	
7/1/2010 20:00	14934	1_60	2010	182	2000	24.59	35.68	6.749	15.12	181.1	1901	13.02	
7/1/2010 21:00	14935	1_60	2010	182	2100	24.61	0.088	6.741	3.959	159.2	2033	13.04	
7/1/2010 22:00	14936	1_60	2010	182	2200	24.61	0.059	6.734	4.608	158.8	2108	13.08	
7/1/2010 23:00	14937	1_60	2010	182	2300	24.61	0.057	6.728	4.267	91.4	2201	13.12	
7/2/2010 0:00	14938	1_60	2010	183	0	24.61	0.059	6.723	3.891	171	2341	13.15	
7/2/2010 1:00	14939	1_60	2010	183	100	24.61	0.041	6.719	4.506	165.1	36	13.18	
7/2/2010 2:00	14940	1_60	2010	183	200	24.6	0.055	6.713	3.959	124.5	143	13.19	
7/2/2010 3:00	14941	1_60	2010	183	300	24.6	0.045	6.708	2.935	338	246	13.2	
7/2/2010 4:00	14942	1_60	2010	183	400	24.6	0.051	6.706	2.355	190.6	330	13.2	
7/2/2010 5:00	14943	1_60	2010	183	500	24.61	0.665	6.704	2.594	59.39	427	13.2	
7/2/2010 6:00	14944	1_60	2010	183	600	24.62	28.01	6.701	4.574	320.8	533	13.21	
7/2/2010 7:00	14945	1_60	2010	183	700	24.62	234	6.699	3.004	100	617	13.18	
7/2/2010 8:00	14946	1_60	2010	183	800	24.61	474.3	6.696	5.769	306.2	736	13.1	
7/2/2010 9:00	14947	1_60	2010	183	900	24.59	589.3	6.694	5.53	304.3	811	13.04	
7/2/2010 10:00	14948	1_60	2010	183	1000	24.57	746.2	6.69	7.27	146.5	955	12.99	
7/2/2010 11:00	14949	1_60	2010	183	1100	24.55	756.5	6.681	11.26	233.8	1029	12.95	
7/2/2010 12:00	14950	1_60	2010	183	1200	24.53	782.4	6.665	12.49	149.6	1124	12.93	
7/2/2010 13:00	14951	1_60	2010	183	1300	24.56	440.9	6.637	27	217.9	1244	12.92	
7/2/2010 14:00	14952	1_60	2010	183	1400	24.5	864	6.61	21.16	241	1300	12.96	
7/2/2010 15:00	14953	1_60	2010	183	1500	24.5	816	6.582	15.77	241.8	1433	12.94	
7/2/2010 16:00	14954	1_60	2010	183	1600	24.47	414.5	6.541	17.95	210.9	1528	12.93	
7/2/2010 17:00	14955	1_60	2010	183	1700	24.51	245.9	6.51	16.93	204.6	1643	12.94	
7/2/2010 18:00	14956	1_60	2010	183	1800	24.48	129.8	6.478	16.35	214.3	1705	12.97	
7/2/2010 19:00	14957	1_60	2010	183	1900	24.48	151.1	6.456	13.04	159.7	1800	13	
7/2/2010 20:00	14958	1_60	2010	183	2000	24.47	24.16	6.444	7.168	111.6	1917	13.01	
7/2/2010 21:00	14959	1_60	2010	183	2100	24.47	0.075	6.435	4.369	45.3	2053	13.05	
7/2/2010 22:00	14960	1_60	2010	183	2200	24.48	0.06	6.428	4.574	149.9	2141	13.08	
7/2/2010 23:00	14961	1_60	2010	183	2300	24.47	0.038	6.42	4.096	147.7	2215	13.11	
7/3/2010 0:00	14962	1_60	2010	184	0	24.48	0.049	6.411	3.516	17.84	2345	13.13	
7/3/2010 1:00	14963	1_60	2010	184	100	24.48	0.067	6.405	2.97	286.7	1	13.14	
7/3/2010 2:00	14964	1_60	2010	184	200	24.48	0.058	6.401	3.243	85.7	113	13.16	
7/3/2010 3:00	14965	1_60	2010	184	300	24.48	0.04	6.398	2.97	127	208	13.17	
7/3/2010 4:00	14966	1_60	2010	184	400	24.48	0.044	6.394	4.198	114.9	359	13.19	
7/3/2010 5:00	14967	1_60	2010	184	500	24.49	0.734	6.391	4.062	114.5	400	13.2	
7/3/2010 6:00	14968	1_60	2010	184	600	24.5	56	6.389	2.423	132.9	505	13.21	
7/3/2010 7:00	14969	1_60	2010	184	700	24.51	241	6.387	2.56	67.11	647	13.17	
7/3/2010 8:00	14970	1_60	2010	184	800	24.51	445	6.385	3.789	354.3	755	13.08	
7/3/2010 9:00	14971	1_60	2010	184	900	24.5	640.4	6.381	12.39	250.1	859	13.02	
7/3/2010 10:00	14972	1_60	2010	184	1000	24.49	814	6.359	15.84	227.4	951	12.98	
7/3/2010 11:00	14973	1_60	2010	184	1100	24.49	952	6.336	16.49	231.6	1024	12.96	
7/3/2010 12:00	14974	1_60	2010	184	1200	24.49	1013	6.305	19.8	253.5	1136	12.94	
7/3/2010 13:00	14975	1_60	2010	184	1300	24.47	1036	6.26	18.47	245.6	1220	12.93	
7/3/2010 14:00	14976	1_60	2010	184	1400	24.46	960	6.222	17.75	201	1331	12.92	
7/3/2010 15:00	14977	1_60	2010	184	1500	24.44	923	6.164	17.85	202.4	1446	12.91	
7/3/2010 16:00	14978	1_60	2010	184	1600	24.42	545.8	6.093	13	233.7	1503	12.9	
7/3/2010 17:00	14979	1_60	2010	184	1700	24.41	311.5	6.063	12.42	248	1650	12.91	
7/3/2010 18:00	14980	1_60	2010	184	1800	24.39	202.8	6.035	10.51	214.5	1701	12.93	
7/3/2010 19:00	14981	1_60	2010	184	1900	24.39	121.1	6.01	9.52	215.5	1802	12.94	
7/3/2010 20:00	14982	1_60	2010	184	2000	24.39	23.11	5.987	10.21	258.7	1905	12.96	
7/3/2010 21:00	14983	1_60	2010	184	2100	24.41	0.08	5.972	4.335	278.9	2001	13	
7/3/2010 22:00	14984	1_60	2010	184	2200	24.42	0.025	5.959	4.096	285.5	2107	13.06	
7/3/2010 23:00	14985	1_60	2010	184	2300	24.43	0.041	5.947	3.823	134.1	2247	13.11	

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/4/2010 0:00	14986	1_60	2010	185	0	3.179855	120.7865	39.77068	2.922	9.18	7.272	12.01	18.07	20.34	2.272419	0	16.76	65.08
7/4/2010 1:00	14987	1_60	2010	185	100	2.460034	176.8316	38.83461	0.302	6.119	2.871	10.15	18.91	21.17	2.260701	0	15.93	66.29
7/4/2010 2:00	14988	1_60	2010	185	200	1.600368	100.2963	40.31589	0.004	4.358	1.116	7.596	15.74	18.79	3.052689	0	21.26	60.63
7/4/2010 3:00	14989	1_60	2010	185	300	1.985528	120.6373	17.50113	0.164	5.786	0.333	7.922	14.83	18.44	3.60717	0	21.6	59.35
7/4/2010 4:00	14990	1_60	2010	185	400	1.683051	122.9924	48.59801	0.312	8.86	2.333	11.84	16.64	19.3	2.658281	0	18.55	62.27
7/4/2010 5:00	14991	1_60	2010	185	500	1.208258	341.2972	63.70239	0.017	10.79	0.879	13.74	13.96	16.64	2.676469	0	22.92	57.12
7/4/2010 6:00	14992	1_60	2010	185	600	0.971146	89.65947	66.09166	-0.261	7.693	-0.615	9.23	15.7	17.61	1.901653	0	19.65	60.75
7/4/2010 7:00	14993	1_60	2010	185	700	1.417098	306.787	27.04882	0.223	6.38	-1.156	9.05	18.12	18.21	0.09017298	0	18.81	65.93
7/4/2010 8:00	14994	1_60	2010	185	800	2.203555	303.5282	13.44998	0.306	16.36	-0.82	18.94	20.8	20.39	-0.4118499	0	15.21	70.3
7/4/2010 9:00	14995	1_60	2010	185	900	1.576953	315.1525	36.2208	1.134	25.05	-1.229	25.34	23.51	23.03	-0.4798286	0	12.72	75.67
7/4/2010 10:00	14996	1_60	2010	185	1000	3.932319	243.6304	35.96848	1.119	34.95	18.34	39.64	26.83	25.74	-1.097697	0	11.9	80.8
7/4/2010 11:00	14997	1_60	2010	185	1100	5.051286	234.5189	22.65103	1.909	42.22	24.75	47.29	28.35	26.92	-1.433263	0	11.24	83
7/4/2010 12:00	14998	1_60	2010	185	1200	6.141709	229.5518	18.78398	0.46	43.92	31.49	48.4	29.44	27.69	-1.749274	0	10.78	84.8
7/4/2010 13:00	14999	1_60	2010	185	1300	6.373975	203.03	33.22957	3.88	47.94	40.93	54.77	29.95	28.33	-1.618474	0	10.66	85.7
7/4/2010 14:00	15000	1_60	2010	185	1400	6.339993	252.3241	20.56752	1.851	41.39	24.38	47.11	28.6	27.82	-0.7801627	0	11.31	83.4
7/4/2010 15:00	15001	1_60	2010	185	1500	5.777165	266.8794	26.25742	4.496	41.1	13.4	45.63	28.13	27.66	-0.4680158	0	11.89	82.6
7/4/2010 16:00	15002	1_60	2010	185	1600	12.86517	347.9723	23.03864	34.12	70.83	-24.99	79.31	24.43	23.89	-0.5362028	0	20.19	75.94
7/4/2010 17:00	15003	1_60	2010	185	1700	10.21929	332.4101	16.65213	18	52.6	-12.39	60.54	21.89	21.59	-0.3031662	0	24.45	71.34
7/4/2010 18:00	15004	1_60	2010	185	1800	7.764181	302.182	12.60718	5.516	37.85	0.96	41.51	21.06	20.93	-0.1341137	0	26.15	69.91
7/4/2010 19:00	15005	1_60	2010	185	1900	4.8957	314.4307	15.93285	5.955	27.16	-1.244	29.26	21.42	21.07	-0.3524943	0	25.48	70.76
7/4/2010 20:00	15006	1_60	2010	185	2000	3.518473	312.2929	10.58543	2.455	15.75	-0.917	18.09	20.42	20.67	0.2520096	0	26.26	69.15
7/4/2010 21:00	15007	1_60	2010	185	2100	1.938284	309.0739	18.34929	-0.126	2.393	-0.112	2.656	17.96	19.39	1.429626	0	31.49	64.52
7/4/2010 22:00	15008	1_60	2010	185	2200	2.866118	319.975	38.33599	0.996	6.93	1.206	8.53	15.19	16.88	1.686877	0	33.32	59.72
7/4/2010 23:00	15009	1_60	2010	185	2300	2.321733	285.3141	55.24688	0.89	7.193	2.481	10.01	13.93	15.94	2.007458	0	35.43	57.34
7/5/2010 0:00	15010	1_60	2010	186	0	0.8654183	130.7151	36.16517	-0.005	0.202	-0.009	0.582	13.13	15.6	2.469824	0	37.76	56.5
7/5/2010 1:00	15011	1_60	2010	186	100	1.564006	131.9114	18.34838	-0.011	0.425	-0.006	0.302	11.14	13.78	2.646925	0	43.14	52.71
7/5/2010 2:00	15012	1_60	2010	186	200	1.897786	144.0217	8.209896	0.002	0.225	0.003	0.193	10.67	13.8	3.133602	0	46.09	51.84
7/5/2010 3:00	15013	1_60	2010	186	300	2.191553	124.1954	13.34681	0.538	3.552	3.222	8.72	9.44	12.24	2.805343	0	48.12	49.84
7/5/2010 4:00	15014	1_60	2010	186	400	3.039549	119.2377	12.67661	1.78	5.513	9.55	12.43	10.2	12.13	1.928744	0	49.01	50.68
7/5/2010 5:00	15015	1_60	2010	186	500	1.574113	114.7977	22.85951	0.005	0.26	0.014	0.252	7.421	9	1.57617	0	55.49	45.96
7/5/2010 6:00	15016	1_60	2010	186	600	0.8877434	67.46445	23.64706	0.011	0.266	0.044	0.739	6.551	8.02	1.468115	0	57.83	44.6
7/5/2010 7:00	15017	1_60	2010	186	700	0.905555	134.0484	26.85411	1.978	9.74	2.809	12.35	11.42	11.03	-0.3896994	0	44.93	53.69
7/5/2010 8:00	15018	1_60	2010	186	800	1.345476	63.39891	36.30378	4.653	23.52	1.989	24.01	15.66	15.25	-0.4147471	0	32.88	62.32
7/5/2010 9:00	15019	1_60	2010	186	900	1.262273	38.41433	53.54971	4.235	30.74	0.118	29.21	18.02	17.49	-0.5290718	0	28.34	66.28
7/5/2010 10:00	15020	1_60	2010	186	1000	1.731209	281.3747	39.85355	-4.673	35.56	-3.838	37.6	20.44	19.74	-0.6927597	0	23.56	70.11
7/5/2010 11:00	15021	1_60	2010	186	1100	2.011017	247.7066	62.05638	5.317	34.78	9.74	36.74	22.98	21.98	-1.004002	0	15.63	74.3
7/5/2010 12:00	15022	1_60	2010	186	1200	2.527537	302.4244	41.12616	2.109	38.88	0.668	40.38	24.38	23.4	-0.9820765	0	13.58	76.77
7/5/2010 13:00	15023	1_60	2010	186	1300	2.676134	276.1436	37.99219	1.654	42.72	5.283	46.56	25.76	24.72	-1.040513	0	11.54	79.11
7/5/2010 14:00	15024	1_60	2010	186	1400	2.435291	273.6359	66.01501	6.725	41.1	6.462	40.55	26.8	25.6	-1.196968	0	12.37	80.8
7/5/2010 15:00	15025	1_60	2010	186	1500	1.982541	94.63193	51.40341	12.9	37.8	13.62	38.87	28.08	27.13	-0.9554805	0	11.56	83.4
7/5/2010 16:00	15026	1_60	2010	186	1600	2.149452	22.57325	51.61668	5.029	36.62	0.057	37.82	28.51	27.7	-0.8055654	0	10.69	84.5
7/5/2010 17:00	15027	1_60	2010	186	1700	2.360768	291.2042	39.29119	-0.228	31.43	3.202	33.48	29.06	28.35	-0.714075	0	10.1	85.7
7/5/2010 18:00	15028	1_60	2010	186	1800	2.668135	237.0831	47.55069	1.197	29.38	7.5	31.47	29.12	28.48	-0.6497201	0	9.76	85.3
7/5/2010 19:00	15029	1_60	2010	186	1900	3.042665	245.9438	15.97055	4.025	20.43	14.23	23.65	28.58	28.22	-0.3602584	0	9.84	84.3
7/5/2010 20:00	15030	1_60	2010	186	2000	3.218284	246.5599	6.819417	1.001	7.316	8.96	9.26	24.95	26.3	1.352921	0	11.5	77.7
7/5/2010 21:00	15031	1_60	2010	186	2100	1.369794	188.9266	30.78373	-0.259	6.898	-0.837	7.135	22.69	24.96	2.266694	0	12.61	73.15
7/5/2010 22:00	15032	1_60	2010	186	2200	1.595304	145.6736	41.21154	0.484	4.67	0.651	4.378	18.8	21.98	3.174536	0	15.99	66.66
7/5/2010 23:00	15033	1_60	2010	186	2300	1.06908	268.8445	37.62005	0.141	2.452	0.235	2.638	16.68	19.75	3.063318	0	19	62.92
7/6/2010 0:00	15034	1_60	2010	187	0	2.959122	128.5658	9.918385	1.626	5.396	8	10.38	16.03	19	2.967412	0	20.97	61.32
7/6/2010 1:00	15035	1_60	2010	187	100	4.599827	123.9491	5.437898	6.295	10.26	17.6	11.07	16.27	17.53	1.253305	0	22.82	61.55
7/6/2010 2:00	15036	1_60	2010	187	200	4.524108	129.3226	5.216455	4.741	7.939	21.14	8.31	14.83	16.39	1.568318	0	24.63	59.05
7/6/2010 3:00	15037	1_60	2010	187	300	2.313525	135.7585	14.4263	0.628	4.033	5.019	7.306	11.98	14.65	2.668376	0	28.25	54.49
7/6/2010 4:00	15038	1_60	2010	187	400	3.735417	130.8921	5.814741	1.482	4.414	13.11	7.456	11.16	14.5	3.336867	0	29.15	52.67
7/6/2010 5:00	15039	1_60	2010	187	500	1.888967	126.1625	31.68653	0.236	2.343	4.561	6.633	10.42	13.25	2.825886	0	31.1	51.03
7/6/2010 6:00	15040	1_60	2010	187	600	0.7606865	90.5872	39.99749	-0.042	1.491	-0.023	0.714	9.58	11.34	1.758406	0	31.92	50.08
7/6/2010 7:00	15041	1_60	2010	187	700	0.7804	94.42216	39.52317	0.453	4.955	0.431	6.201	13.82	13.59	-0.2299306	0	25.91	58.86
7/6/2010 8:00	15042	1_60	2010	187	800	0.7182785	49.89035	54.64766	6.708	19.32	5.863	19.68	18.34	17.97	-0.3686898	0	19.34	67.31
7/6/2010 9:00	15043	1_60	2010	187	900	1.213634	336.526	49.30872	2.452	26.1	-0.443	27.9	20.89	20.37	-0.5188755	0	16.75	71.54
7/6/2010 10:00	15044	1_60	2010	187	1000	1.187807	301.065	49.74566	-0.695	32.94	-1.659	35.06	23.67	23.1	-0.5704414	0	14.32	76.17
7/6/2010 11:00	15045	1_60	2010	187	1100	1.768954	317.3257	55.8043	7.389	36.39	7.221	38.33	28.04	27.28	-0.7626585	0	11.55	83.7
7/6/2010 12:00	15046	1_60	2010	187	1200	3.169669	219.4918	64.59351	9.2	39.78	22.1	43.49	31.23	29.98	-1.247069	0	8.8	88.6
7/6/2010 13:00	15047	1_60	2010	187	1300	4.628067	219.891	33.28008	2.965	45.31	23.49	49.81	32.12	30.56	-1.56386	0	8.14	89.8
7/6/2010 14:00	15048	1_60	2010	187	1400	4.997105	212.2757	51.00451	5.571	48.56	30.14	53.34	32.66	31.14	-1.523838	0	7.609	90.6
7/6/2010 15:00	15049	1_60	2010	187	1500	4.474749	226.1287	50.32478	4.225	48.98	21.42	53.19	32.91	31.52	-1.393877	0	7.117	91.2
7/6/2010 16:00	15050	1_60	2010	187	1600	4.232743	254.8392	35.95506	4.243	46.02	17.19	48.93	32.47	31.58	-0.8958995	0	7.31	90.7
7/6/2010 17:00	15051	1_60	2010	187	1700	4.882324	207.4626	23.08732	3.688	37.75	28.13	41.95	32.99	31.79	-1.193975	0	7.368	91.3
7/6/2010 18:00	15052	1_60	2010	187	1800	2.490701	247.438	47.72995	3.049	27.35	10.3	30.64	32.09	31.49	-0.5960488	0	7.656	90.7
7/6/2010 19:00	15053	1_60	2010	187	1900	3.451976	270.2574	43.25672	1.626	19.95	7.868	22.83	31.09	30.96	-0.134671	0	8.15	88.7
7/6/2010 20:00	15054	1_60	2010	187	2000	3.772625	236.0146	5.715271	0.361	5.788	14.5	9.27	27.93	29.25	1.315341	0	9.79	82.9
7/6/2010 21:00	15055	1_60	2010	187	2100	2.602552	288.5577	25.64724	0.901	8.55	2.724	10.29	24.97	26.7	1.726346	0	11.39	77.26
7/6/2010 22:00	15056	1_60	2010	187	2200	1.307409	333.0948	39.14913	0.163	1.944	0.237	2.723	23.35	24.77	1.411255	0	13.05	74.31
7/6/2010 23:00	15057	1_60	2010	187	2300	2.404793	159.1597	40.16551	0.149	4.683	5.835	9.21	19.69	23.26	3.571735	0	14.65	68.21

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/4/2010 0:00	14986	1_60	2010	185	0	24.43	0.054	5.937	6.485	128.5	2334	13.15
7/4/2010 1:00	14987	1_60	2010	185	100	24.45	0.051	5.93	5.598	228	44	13.17
7/4/2010 2:00	14988	1_60	2010	185	200	24.46	0.031	5.924	3.686	350.1	105	13.19
7/4/2010 3:00	14989	1_60	2010	185	300	24.47	0.063	5.917	3.209	103.9	250	13.22
7/4/2010 4:00	14990	1_60	2010	185	400	24.49	0.062	5.912	4.028	123.9	310	13.24
7/4/2010 5:00	14991	1_60	2010	185	500	24.51	0.842	5.906	3.994	261.4	403	13.25
7/4/2010 6:00	14992	1_60	2010	185	600	24.52	56.56	5.902	2.458	195.4	551	13.26
7/4/2010 7:00	14993	1_60	2010	185	700	24.53	244	5.898	2.935	331.1	647	13.21
7/4/2010 8:00	14994	1_60	2010	185	800	24.54	450.6	5.892	3.55	277.7	740	13.12
7/4/2010 9:00	14995	1_60	2010	185	900	24.54	648.4	5.888	3.789	289.6	802	13.05
7/4/2010 10:00	14996	1_60	2010	185	1000	24.53	817	5.88	8.87	223.1	955	12.99
7/4/2010 11:00	14997	1_60	2010	185	1100	24.52	946	5.86	9.66	250.1	1011	12.96
7/4/2010 12:00	14998	1_60	2010	185	1200	24.51	1036	5.838	12.39	239.6	1137	12.94
7/4/2010 13:00	14999	1_60	2010	185	1300	24.5	943	5.807	14.47	234.3	1232	12.93
7/4/2010 14:00	15000	1_60	2010	185	1400	24.49	345.6	5.76	13.52	232.3	1309	12.93
7/4/2010 15:00	15001	1_60	2010	185	1500	24.5	286.3	5.718	17.41	297.7	1449	12.95
7/4/2010 16:00	15002	1_60	2010	185	1600	24.54	256.5	5.68	21.67	0.102	1521	12.97
7/4/2010 17:00	15003	1_60	2010	185	1700	24.59	125	5.637	19.01	319.6	1613	13.02
7/4/2010 18:00	15004	1_60	2010	185	1800	24.61	44.52	5.588	15.87	293.4	1712	13.05
7/4/2010 19:00	15005	1_60	2010	185	1900	24.6	168.2	5.588	8.91	314.7	1826	13.07
7/4/2010 20:00	15006	1_60	2010	185	2000	24.62	41.67	5.587	6.929	325.1	1906	13.08
7/4/2010 21:00	15007	1_60	2010	185	2100	24.64	0.097	5.585	3.482	336	2004	13.12
7/4/2010 22:00	15008	1_60	2010	185	2200	24.65	0.04	5.579	5.734	301.4	2159	13.17
7/4/2010 23:00	15009	1_60	2010	185	2300	24.66	0.048	5.571	4.915	278.2	2202	13.22
7/5/2010 0:00	15010	1_60	2010	186	0	24.66	0.064	5.566	1.911	97.4	2358	13.25
7/5/2010 1:00	15011	1_60	2010	186	100	24.65	0.066	5.562	2.253	159.6	55	13.28
7/5/2010 2:00	15012	1_60	2010	186	200	24.65	0.04	5.558	2.662	117.1	140	13.31
7/5/2010 3:00	15013	1_60	2010	186	300	24.66	0.019	5.554	5.598	133.7	256	13.33
7/5/2010 4:00	15014	1_60	2010	186	400	24.67	0.032	5.551	5.632	144.2	300	13.35
7/5/2010 5:00	15015	1_60	2010	186	500	24.68	0.757	5.549	3.004	90.7	411	13.36
7/5/2010 6:00	15016	1_60	2010	186	600	24.7	56.7	5.548	1.911	84.2	543	13.39
7/5/2010 7:00	15017	1_60	2010	186	700	24.71	247.7	5.547	2.799	86.1	658	13.35
7/5/2010 8:00	15018	1_60	2010	186	800	24.7	454.3	5.546	3.447	108	705	13.24
7/5/2010 9:00	15019	1_60	2010	186	900	24.7	652.2	5.544	3.721	92.5	838	13.14
7/5/2010 10:00	15020	1_60	2010	186	1000	24.69	822	5.541	4.437	226	948	13.07
7/5/2010 11:00	15021	1_60	2010	186	1100	24.68	952	5.535	5.564	255.1	1052	13.03
7/5/2010 12:00	15022	1_60	2010	186	1200	24.67	1022	5.522	6.178	294.5	1113	12.99
7/5/2010 13:00	15023	1_60	2010	186	1300	24.65	1042	5.502	6.281	327	1235	12.97
7/5/2010 14:00	15024	1_60	2010	186	1400	24.62	1000	5.478	6.178	347.8	1323	12.95
7/5/2010 15:00	15025	1_60	2010	186	1500	24.6	909	5.455	6.281	305.2	1459	12.93
7/5/2010 16:00	15026	1_60	2010	186	1600	24.59	761.9	5.428	5.734	15.26	1538	12.92
7/5/2010 17:00	15027	1_60	2010	186	1700	24.58	578.6	5.405	7.612	254.2	1647	12.91
7/5/2010 18:00	15028	1_60	2010	186	1800	24.57	376	5.381	7.475	284.1	1757	12.92
7/5/2010 19:00	15029	1_60	2010	186	1900	24.58	177.7	5.355	5.837	230.3	1803	12.93
7/5/2010 20:00	15030	1_60	2010	186	2000	24.58	22.68	5.334	5.871	262.6	1900	12.97
7/5/2010 21:00	15031	1_60	2010	186	2100	24.59	0.077	5.32	3.755	208.8	2030	13.03
7/5/2010 22:00	15032	1_60	2010	186	2200	24.6	0.046	5.309	2.799	120.2	2140	13.09
7/5/2010 23:00	15033	1_60	2010	186	2300	24.6	0.04	5.298	2.492	144.5	2252	13.14
7/6/2010 0:00	15034	1_60	2010	187	0	24.6	0.023	5.286	5.837	127.6	2346	13.18
7/6/2010 1:00	15035	1_60	2010	187	100	24.6	0.036	5.271	6.315	117.8	22	13.21
7/6/2010 2:00	15036	1_60	2010	187	200	24.61	0.058	5.26	5.939	127.8	130	13.22
7/6/2010 3:00	15037	1_60	2010	187	300	24.6	0.067	5.254	3.857	153.3	203	13.24
7/6/2010 4:00	15038	1_60	2010	187	400	24.6	0.063	5.248	5.257	131.2	333	13.28
7/6/2010 5:00	15039	1_60	2010	187	500	24.61	0.833	5.243	4.062	130.9	410	13.31
7/6/2010 6:00	15040	1_60	2010	187	600	24.63	55.3	5.239	2.287	65.31	514	13.33
7/6/2010 7:00	15041	1_60	2010	187	700	24.63	243.7	5.235	1.809	110.6	605	13.25
7/6/2010 8:00	15042	1_60	2010	187	800	24.64	451.2	5.234	2.048	76.04	703	13.18
7/6/2010 9:00	15043	1_60	2010	187	900	24.63	647.4	5.23	3.004	281.6	840	13.08
7/6/2010 10:00	15044	1_60	2010	187	1000	24.61	818	5.228	3.447	295.2	902	13.02
7/6/2010 11:00	15045	1_60	2010	187	1100	24.6	950	5.222	6.007	161.5	1052	12.97
7/6/2010 12:00	15046	1_60	2010	187	1200	24.58	983	5.209	8.53	257.7	1125	12.93
7/6/2010 13:00	15047	1_60	2010	187	1300	24.57	1043	5.181	11.2	202.5	1259	12.91
7/6/2010 14:00	15048	1_60	2010	187	1400	24.55	1006	5.144	11.54	210.9	1328	12.89
7/6/2010 15:00	15049	1_60	2010	187	1500	24.53	918	5.105	10.96	261.3	1424	12.88
7/6/2010 16:00	15050	1_60	2010	187	1600	24.52	555.8	5.074	10.24	195.4	1545	12.88
7/6/2010 17:00	15051	1_60	2010	187	1700	24.51	601.3	5.041	9.73	217.4	1644	12.89
7/6/2010 18:00	15052	1_60	2010	187	1800	24.5	367.6	5.007	7.851	242.9	1702	12.89
7/6/2010 19:00	15053	1_60	2010	187	1900	24.5	137.8	4.984	7.373	251.7	1840	12.91
7/6/2010 20:00	15054	1_60	2010	187	2000	24.51	21.72	4.958	5.222	234.3	1915	12.94
7/6/2010 21:00	15055	1_60	2010	187	2100	24.53	0.078	4.935	4.437	249	2001	12.99
7/6/2010 22:00	15056	1_60	2010	187	2200	24.54	0.023	4.919	4.164	297.7	2107	13.04
7/6/2010 23:00	15057	1_60	2010	187	2300	24.55	0.052	4.899	4.164	92.3	2251	13.09

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/7/2010 0:00	15058	1_60	2010	188	0	4.173076	119.7522	9.823277	4.067	9.22	12.24	10.83	19.07	20.9	1.830072	0	15.22	66.63
7/7/2010 1:00	15059	1_60	2010	188	100	4.209533	115.6457	9.597711	5.244	11.85	14.02	14.23	18.72	19.75	1.032088	0	16.05	66.02
7/7/2010 2:00	15060	1_60	2010	188	200	4.722838	127.72	8.742679	6.81	14.58	19.86	15.76	17.69	18.7	1.011308	0	18	64.06
7/7/2010 3:00	15061	1_60	2010	188	300	3.507642	110.0591	21.37744	5.519	13.8	9.3	14.89	16.35	17.23	0.8789629	0	19.76	61.75
7/7/2010 4:00	15062	1_60	2010	188	400	1.713708	339.7497	46.68742	-0.16	8.1	0.733	10.28	14.42	15.48	1.058452	0	22.76	58.14
7/7/2010 5:00	15063	1_60	2010	188	500	2.614652	113.7022	26.92092	0.565	2.46	4.132	6.548	14.4	15.58	1.17695	0	23.26	58.06
7/7/2010 6:00	15064	1_60	2010	188	600	1.439887	84.73044	36.4382	0.594	2.895	0.811	4.121	14.69	16	1.317406	0	23.23	58.79
7/7/2010 7:00	15065	1_60	2010	188	700	1.712914	114.8202	47.83068	1.819	8.72	4.148	11.35	18.66	18.5	-0.1584372	0	19.78	65.95
7/7/2010 8:00	15066	1_60	2010	188	800	1.223422	87.89226	46.64833	3.288	18.24	3.017	21.38	22.25	21.77	-0.4769768	0	14.8	73.78
7/7/2010 9:00	15067	1_60	2010	188	900	2.324158	108.19	33.17081	3.488	27.29	4.443	31.99	25.39	24.75	-0.6381321	0	13.61	78.82
7/7/2010 10:00	15068	1_60	2010	188	1000	4.358992	347.8953	38.53981	6.375	31.88	-1.543	37.5	26.56	25.67	-0.8861512	0	13.57	80.4
7/7/2010 11:00	15069	1_60	2010	188	1100	4.888875	330.5819	21.72161	11.18	38.12	-2.106	41.5	29.11	28.01	-1.100362	0	12.39	84.5
7/7/2010 12:00	15070	1_60	2010	188	1200	4.217161	0.645024	33.2745	12.84	45.04	-4.3	48.55	30.62	29.45	-1.170781	0	11.42	87.5
7/7/2010 13:00	15071	1_60	2010	188	1300	5.27	332.3544	22.92069	8.88	38.49	-5.602	42.1	30.86	29.84	-1.021473	0	11.21	87.6
7/7/2010 14:00	15072	1_60	2010	188	1400	5.012208	325.1791	28.35989	6.639	40.26	-1.699	43.54	30.93	30	-0.9264306	0	11.06	87.8
7/7/2010 15:00	15073	1_60	2010	188	1500	6.550072	103.7768	37.49546	19.37	39.2	30.94	44.15	27.1	26.78	-0.3225093	0	19.37	80.9
7/7/2010 16:00	15074	1_60	2010	188	1600	8.441171	106.8459	19.23605	18.74	49.22	26.99	59.75	27.7	27.02	-0.6839889	0	17.26	81.6
7/7/2010 17:00	15075	1_60	2010	188	1700	7.008292	116.4203	14.12604	19.08	38.37	33.67	42.58	28.53	27.57	-0.9659091	0	15.96	83.1
7/7/2010 18:00	15076	1_60	2010	188	1800	4.978502	100.0355	13.64705	12.1	26.94	12.67	30.3	28.36	27.89	-0.4699565	0	15.01	83.2
7/7/2010 19:00	15077	1_60	2010	188	1900	4.66889	104.6412	11.70834	13.94	22.51	17.34	24.51	27.88	27.75	-0.1325993	0	16.09	82.4
7/7/2010 20:00	15078	1_60	2010	188	2000	3.423783	121.5925	4.925645	3.74	7.333	10.98	8.09	24.92	26	1.08288	0	20.77	77.18
7/7/2010 21:00	15079	1_60	2010	188	2100	6.667524	332.1478	15.70509	7.197	31.38	-4.343	34.98	23.8	24.08	0.2796863	0	23.68	74.92
7/7/2010 22:00	15080	1_60	2010	188	2200	5.389156	312.5983	11.78897	6.468	23.64	-1.835	26.98	22.12	22.35	0.2278955	0	28.84	71.98
7/7/2010 23:00	15081	1_60	2010	188	2300	2.3771	292.2303	49.28413	6.95	34.62	6.224	37.06	21.76	22.15	0.3882101	0	28.97	71.21
7/8/2010 0:00	15082	1_60	2010	189	0	1.742021	217.185	48.11333	0.162	9.63	1.614	9.48	20.44	21.63	1.188772	0	31.1	69.06
7/8/2010 1:00	15083	1_60	2010	189	100	1.466733	90.78624	44.14021	1.134	9.03	1.736	11.13	19.69	20.92	1.231189	0	32.27	67.3
7/8/2010 2:00	15084	1_60	2010	189	200	1.763439	119.7421	44.56802	0.375	3.114	2.943	5.708	19.12	20.54	1.420961	0	32.97	66.88
7/8/2010 3:00	15085	1_60	2010	189	300	1.949457	168.8571	13.94523	0.271	3.401	3.845	8.28	16.97	19.78	2.806023	0	38.64	62.94
7/8/2010 4:00	15086	1_60	2010	189	400	0.981619	139.5006	39.1851	0.079	1.67	0.28	2.351	15.97	17.76	1.787929	0	41.21	61.26
7/8/2010 5:00	15087	1_60	2010	189	500	1.299852	113.4495	14.09459	0.02	0.577	-0.005	1.09	13.98	16.28	2.303268	0	45.42	57.76
7/8/2010 6:00	15088	1_60	2010	189	600	2.270405	113.6404	10.04469	0.089	1.738	0.174	2.473	13.92	16.03	2.107718	0	46.37	57.35
7/8/2010 7:00	15089	1_60	2010	189	700	1.375591	89.57937	17.98145	1.657	8.2	0.375	8.55	17.52	17.47	-0.05328891	0	38.57	64.62
7/8/2010 8:00	15090	1_60	2010	189	800	1.007928	31.43496	40.19985	2.393	21.3	-1.829	21.7	21.27	20.91	-0.3586566	0	30.27	72.56
7/8/2010 9:00	15091	1_60	2010	189	900	2.006863	317.803	32.0079	3.183	24.23	0.611	25.85	23.27	22.68	-0.5828211	0	27.44	75.14
7/8/2010 10:00	15092	1_60	2010	189	1000	2.256691	325.9038	27.59127	2.449	28.47	-3.521	30.01	25.18	24.53	-0.6460174	0	24.64	78.15
7/8/2010 11:00	15093	1_60	2010	189	1100	2.828537	279.0939	40.21389	3.223	40.87	5.582	43.22	27.91	26.99	-0.9219314	0	21.17	83
7/8/2010 12:00	15094	1_60	2010	189	1200	4.759053	244.146	26.67182	3.391	44.47	21.22	46.51	30.15	28.66	-1.493717	0	16.5	86.3
7/8/2010 13:00	15095	1_60	2010	189	1300	5.158919	230.3297	37.14613	7.625	45.03	29.04	50.92	31.18	29.51	-1.666614	0	15.31	87.9
7/8/2010 14:00	15096	1_60	2010	189	1400	10.38713	1.783836	21.39388	24.38	57.02	-31.16	64.42	28.84	27.52	-1.314529	0	18.19	83.5
7/8/2010 15:00	15097	1_60	2010	189	1500	6.111294	19.42076	16.49503	17.57	38.33	-9.42	41.9	26.98	26.36	-0.6173707	0	20.1	80.5
7/8/2010 16:00	15098	1_60	2010	189	1600	5.175885	63.60958	19.50546	16.97	40.17	5.478	45.14	28.5	27.46	-1.039755	0	20.55	83.4
7/8/2010 17:00	15099	1_60	2010	189	1700	5.431742	84.4639	13.40016	17.67	35.76	11.43	41.57	28.84	27.9	-0.9392912	0	18.51	84
7/8/2010 18:00	15100	1_60	2010	189	1800	5.215417	90.3305	13.90288	13.56	31.9	11.34	36.93	28.53	27.89	-0.6371545	0	18.75	83.5
7/8/2010 19:00	15101	1_60	2010	189	1900	5.962248	107.3879	7.372219	16.52	26.21	23.55	28.95	26.92	26.8	-0.1150727	0	21.73	80.6
7/8/2010 20:00	15102	1_60	2010	189	2000	4.547716	118.0451	13.20261	9.31	21.55	17.12	23.74	25.58	25.84	0.2611753	0	24.31	78.19
7/8/2010 21:00	15103	1_60	2010	189	2100	3.256112	126.7603	19.98623	4.651	15.32	11.48	19.32	24.33	24.72	0.3891531	0	26.37	75.93
7/8/2010 22:00	15104	1_60	2010	189	2200	3.481593	136.8522	24.35171	4.888	11.1	13.12	13.88	22.26	23.4	1.142418	0	30.44	72.42
7/8/2010 23:00	15105	1_60	2010	189	2300	2.110945	116.2523	28.56343	0.752	6.386	5.059	11.25	19.82	21.14	1.311946	0	36.96	67.91
7/9/2010 0:00	15106	1_60	2010	190	0	3.102917	104.6347	7.926859	0.627	3.246	3.789	6.235	17.54	19.5	1.953664	0	42.24	63.97
7/9/2010 1:00	15107	1_60	2010	190	100	2.672937	100.8017	6.026366	0.099	1.335	0.339	1.649	16.66	18.6	1.936388	0	46.45	62.19
7/9/2010 2:00	15108	1_60	2010	190	200	1.060513	179.0634	39.30953	0.042	1.215	0.125	1.566	15.65	17.62	1.968018	0	47.49	60.53
7/9/2010 3:00	15109	1_60	2010	190	300	1.514884	128.6917	51.3195	-0.209	4.741	0.489	5.615	13.77	15.56	1.791912	0	52.87	56.88
7/9/2010 4:00	15110	1_60	2010	190	400	1.858149	123.8621	19.4489	0.279	2.715	1.881	5.462	14.22	15.89	1.668909	0	53.78	57.99
7/9/2010 5:00	15111	1_60	2010	190	500	2.103465	129.8606	15.33318	0.481	3.271	4.036	6.536	14.15	15.68	1.527891	0	54.05	57.89
7/9/2010 6:00	15112	1_60	2010	190	600	1.637259	88.00201	29.96129	0.333	2.852	0.063	3.766	13.28	13.93	0.6472744	0	56.22	56.44
7/9/2010 7:00	15113	1_60	2010	190	700	0.8855011	3.389138	36.46549	1.947	8.18	2.229	9.58	16.45	16.2	-0.2538972	0	45.52	63.19
7/9/2010 8:00	15114	1_60	2010	190	800	0.81385	83.22723	43.84607	6.639	21.4	6.234	21.37	19.75	19.32	-0.4276769	0	35.3	69.96
7/9/2010 9:00	15115	1_60	2010	190	900	0.9459429	338.2998	60.847	3.837	27.57	3.33	26.82	22.27	21.72	-0.553061	BA	31.07	74.03
7/9/2010 10:00	15116	1_60	2010	190	1000	1.899603	311.6426	38.08339	1.895	33.56	-1.394	32.67	24.91	24.28	-0.6281261	0	29.78	77.94
7/9/2010 11:00	15117	1_60	2010	190	1100	2.093333	352.158	50.5005	2.828	41.82	-2.429	42	26.96	26.15	-0.8128998	0	27.52	81.7
7/9/2010 12:00	15118	1_60	2010	190	1200	2.344045	344.0076	55.83875	1.182	42.5	-5.3	42.73	28.58	27.64	-0.9404461	0	24.4	84.5
7/9/2010 13:00	15119	1_60	2010	190	1300	3.914285	303.8152	51.89478	4.388	41.32	0.949	44.76	29.63	28.67	-0.9561812	0	20.8	85.7
7/9/2010 14:00	15120	1_60	2010	190	1400	7.620588	293.5159	22.03228	13.02	43.39	16.23	52.64	27.09	26.66	-0.4267901	0	21.32	80.7
7/9/2010 15:00	15121	1_60	2010	190	1500	8.068758	198.3538	15.1637	2.723	43.09	56.13	45.93	26.06	25.8	-0.2597091	0	25.37	78.87
7/9/2010 16:00	15122	1_60	2010	190	1600	4.825636	178.4803	18.28599	2.323	35.73	29.47	38.5	27.94	26.9	-1.039265	0	23.98	82
7/9/2010 17:00	15123	1_60	2010	190	1700	4.578283	166.7774	14.87892	2.897	28.95	26.36	34.44	27.81	26.87	-0.9385087	0	22.69	81.8
7/9/2010 18:00	15124	1_60	2010	190	1800	2.951948	164.6259	32.83821	6.134	22.8	23.86	25.45	27.95	27.33	-0.6215926	0	22.79	82.4
7/9/2010 19:00	15125	1_60	2010	190	1900	3.556285	173.2088	11.24735	1.289	18.22	22.44	20.45	27.27	26.78	-0.4883312	0	26.52	81
7/9/2010 20:00	15126	1_60	2010	190	2000	2.882571	114.1615	11.68928	3.024	8.24	6.247	11.04	25.42	25.61	0.1900806	0	29.61	77.87
7/9/2010 21:00	15127	1_60	2010	190	2100	1.961776	192.9853	42.84198	0.003	0.634	4.274	7.013	22.67	24.26	1.586171	0	35.42	73.22
7/9/2010 22:00	15128	1_60	2010	190	2200	2.12167	122.3574	10.60978	0.499	4.218	2.037	5.893	20.08	21.9	1.818156	0	40.38	68.47
7/9/2010 23:00	15129	1_60	2010	190	2300	1.94593	129.021	32.15723	1.164	7.792	1.838	8.05	19.22	20.61	1.392268	0	43.99	66.91

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/7/2010 0:00	15058	1_60	2010	188	0	24.55	0.034	4.884	6.11	118.1	2357	13.12
7/7/2010 1:00	15059	1_60	2010	188	100	24.55	0.057	4.87	6.724	129.8	10	13.14
7/7/2010 2:00	15060	1_60	2010	188	200	24.56	0.057	4.86	8.77	122.3	137	13.16
7/7/2010 3:00	15061	1_60	2010	188	300	24.56	0.043	4.849	6.178	107.4	204	13.18
7/7/2010 4:00	15062	1_60	2010	188	400	24.58	0.018	4.845	4.096	282.9	352	13.2
7/7/2010 5:00	15063	1_60	2010	188	500	24.59	0.428	4.841	4.437	114.2	431	13.21
7/7/2010 6:00	15064	1_60	2010	188	600	24.6	30.4	4.839	3.345	86.7	500	13.22
7/7/2010 7:00	15065	1_60	2010	188	700	24.62	215.8	4.834	3.311	115.4	606	13.2
7/7/2010 8:00	15066	1_60	2010	188	800	24.62	461.6	4.832	3.345	42.05	702	13.12
7/7/2010 9:00	15067	1_60	2010	188	900	24.61	628.9	4.829	6.281	106.5	840	13.03
7/7/2010 10:00	15068	1_60	2010	188	1000	24.62	764.6	4.813	13.11	305.7	928	12.98
7/7/2010 11:00	15069	1_60	2010	188	1100	24.62	902	4.8	9.28	5.988	1044	12.96
7/7/2010 12:00	15070	1_60	2010	188	1200	24.6	967	4.783	11.16	352	1154	12.93
7/7/2010 13:00	15071	1_60	2010	188	1300	24.59	713	4.752	11.2	328.6	1247	12.91
7/7/2010 14:00	15072	1_60	2010	188	1400	24.59	609	4.717	12.05	294.3	1330	12.91
7/7/2010 15:00	15073	1_60	2010	188	1500	24.62	157.4	4.689	13.07	121.2	1434	12.93
7/7/2010 16:00	15074	1_60	2010	188	1600	24.6	459.5	4.65	17.54	80.1	1517	12.96
7/7/2010 17:00	15075	1_60	2010	188	1700	24.6	541.3	4.621	13.31	124.1	1602	12.96
7/7/2010 18:00	15076	1_60	2010	188	1800	24.6	297.1	4.603	9.18	102.4	1756	12.96
7/7/2010 19:00	15077	1_60	2010	188	1900	24.61	140.6	4.579	7.953	95.9	1803	12.96
7/7/2010 20:00	15078	1_60	2010	188	2000	24.62	9.79	4.566	5.222	100.2	1900	12.99
7/7/2010 21:00	15079	1_60	2010	188	2100	24.66	0.071	4.543	14.88	308	2025	13.02
7/7/2010 22:00	15080	1_60	2010	188	2200	24.69	0.04	4.53	11.06	327.5	2106	13.04
7/7/2010 23:00	15081	1_60	2010	188	2300	24.69	0.041	4.526	8.29	299.3	2226	13.08
7/8/2010 0:00	15082	1_60	2010	189	0	24.7	0.06	4.522	5.018	274.3	2320	13.09
7/8/2010 1:00	15083	1_60	2010	189	100	24.72	0.035	4.519	3.891	105.1	4	13.12
7/8/2010 2:00	15084	1_60	2010	189	200	24.72	0.059	4.516	3.14	140.6	111	13.13
7/8/2010 3:00	15085	1_60	2010	189	300	24.72	0.061	4.513	3.891	152.7	243	13.15
7/8/2010 4:00	15086	1_60	2010	189	400	24.73	0.045	4.511	2.492	146.3	301	13.18
7/8/2010 5:00	15087	1_60	2010	189	500	24.73	0.522	4.508	2.731	137.7	457	13.21
7/8/2010 6:00	15088	1_60	2010	189	600	24.74	32.57	4.479	3.243	89.8	545	13.24
7/8/2010 7:00	15089	1_60	2010	189	700	24.75	220.1	4.476	2.867	57.32	655	13.21
7/8/2010 8:00	15090	1_60	2010	189	800	24.76	438.2	4.476	2.799	32.87	725	13.12
7/8/2010 9:00	15091	1_60	2010	189	900	24.75	579.6	4.475	4.335	340.7	838	13.04
7/8/2010 10:00	15092	1_60	2010	189	1000	24.74	647.3	4.474	4.847	306.5	951	13
7/8/2010 11:00	15093	1_60	2010	189	1100	24.72	932	4.466	12.25	219.5	1055	12.96
7/8/2010 12:00	15094	1_60	2010	189	1200	24.7	1008	4.445	9.28	260	1138	12.93
7/8/2010 13:00	15095	1_60	2010	189	1300	24.69	1064	4.417	10.65	301.2	1257	12.91
7/8/2010 14:00	15096	1_60	2010	189	1400	24.7	778.6	4.375	17.37	346	1314	12.91
7/8/2010 15:00	15097	1_60	2010	189	1500	24.72	369.7	4.336	12.01	19.57	1407	12.94
7/8/2010 16:00	15098	1_60	2010	189	1600	24.69	766.3	4.306	10.1	73.16	1522	12.94
7/8/2010 17:00	15099	1_60	2010	189	1700	24.68	565.6	4.275	8.87	81.8	1614	12.93
7/8/2010 18:00	15100	1_60	2010	189	1800	24.68	355	4.248	9.35	110	1708	12.94
7/8/2010 19:00	15101	1_60	2010	189	1900	24.69	92.2	4.221	9.15	115.6	1809	12.95
7/8/2010 20:00	15102	1_60	2010	189	2000	24.71	16.06	4.199	8.67	120.5	1940	12.99
7/8/2010 21:00	15103	1_60	2010	189	2100	24.72	0.068	4.189	6.315	237.1	2018	13.01
7/8/2010 22:00	15104	1_60	2010	189	2200	24.74	0.038	4.179	6.622	77.23	2104	13.04
7/8/2010 23:00	15105	1_60	2010	189	2300	24.75	0.058	4.172	4.13	122.8	2201	13.08
7/9/2010 0:00	15106	1_60	2010	190	0	24.76	0.054	4.162	3.994	103.6	2314	13.12
7/9/2010 1:00	15107	1_60	2010	190	100	24.76	0.058	4.157	3.823	87.3	43	13.16
7/9/2010 2:00	15108	1_60	2010	190	200	24.76	0.032	4.153	3.14	104.5	159	13.18
7/9/2010 3:00	15109	1_60	2010	190	300	24.76	0.059	4.151	3.106	106.5	200	13.21
7/9/2010 4:00	15110	1_60	2010	190	400	24.77	0.078	4.149	3.55	127.1	344	13.24
7/9/2010 5:00	15111	1_60	2010	190	500	24.79	0.62	4.145	4.096	129.7	414	13.24
7/9/2010 6:00	15112	1_60	2010	190	600	24.8	47.39	4.144	3.243	70.9	515	13.25
7/9/2010 7:00	15113	1_60	2010	190	700	24.82	222.5	4.143	1.843	38.01	602	13.21
7/9/2010 8:00	15114	1_60	2010	190	800	24.82	421.6	4.141	2.594	139.4	759	13.12
7/9/2010 9:00	15115	1_60	2010	190	900	24.8	615.5	BA	2.799	322.5	859	13.02
7/9/2010 10:00	15116	1_60	2010	190	1000	24.79	784	BA	4.471	314.2	947	12.94
7/9/2010 11:00	15117	1_60	2010	190	1100	24.77	916	7.942	5.188	30.39	1014	12.95
7/9/2010 12:00	15118	1_60	2010	190	1200	24.74	974	7.942	6.895	299.4	1120	12.93
7/9/2010 13:00	15119	1_60	2010	190	1300	24.72	592.9	7.932	16.35	305.2	1257	12.91
7/9/2010 14:00	15120	1_60	2010	190	1400	24.74	132.3	7.875	15.84	291.6	1301	12.93
7/9/2010 15:00	15121	1_60	2010	190	1500	24.74	204.2	7.857	18.57	182.9	1453	12.97
7/9/2010 16:00	15122	1_60	2010	190	1600	24.73	538	7.823	10.65	174.4	1559	12.98
7/9/2010 17:00	15123	1_60	2010	190	1700	24.72	373.2	7.794	10.44	165	1600	12.96
7/9/2010 18:00	15124	1_60	2010	190	1800	24.72	274.6	7.77	6.007	157.3	1733	12.96
7/9/2010 19:00	15125	1_60	2010	190	1900	24.72	158.9	7.748	5.564	165.2	1857	12.96
7/9/2010 20:00	15126	1_60	2010	190	2000	24.71	12.1	7.729	4.608	119.3	1912	12.98
7/9/2010 21:00	15127	1_60	2010	190	2100	24.72	0.055	7.718	3.243	195	2025	13.02
7/9/2010 22:00	15128	1_60	2010	190	2200	24.73	0.041	7.708	3.857	89.5	2154	13.06
7/9/2010 23:00	15129	1_60	2010	190	2300	24.73	0.029	7.699	3.925	126.2	2220	13.1

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/10/2010 0:00	15130	1_60	2010	191	0	2.428461	129.1019	26.31743	0.663	4.319	5.12	8.76	19.04	20.18	1.140338	0	45.21	66.41
7/10/2010 1:00	15131	1_60	2010	191	100	2.47088	115.659	12.13108	0.75	3.542	2.251	5.408	18.29	19.68	1.388772	0	47.26	65.2
7/10/2010 2:00	15132	1_60	2010	191	200	2.500803	126.4704	18.94952	0.884	5.711	4.373	8.54	18.28	19.56	1.287643	0	48.2	65.02
7/10/2010 3:00	15133	1_60	2010	191	300	3.416682	135.7754	5.948863	2.632	6.37	13.35	11.42	17.41	18.79	1.38704	0	51.11	63.63
7/10/2010 4:00	15134	1_60	2010	191	400	2.610505	124.4215	12.92302	1.602	4.718	5.576	8.13	15.91	17.28	1.371582	0	54.18	61.09
7/10/2010 5:00	15135	1_60	2010	191	500	1.632912	76.59778	20.62346	0.929	3.332	1.155	3.845	14.35	15.36	1.009071	0	58.53	57.91
7/10/2010 6:00	15136	1_60	2010	191	600	1.374142	95.32107	46.00466	0.279	2.677	0.598	3.382	13.89	14.95	1.053762	0	58.53	57.52
7/10/2010 7:00	15137	1_60	2010	191	700	0.7696198	46.99043	34.01279	1.633	9.39	1.156	9.79	17.4	17.13	-0.2733622	0	46.6	65.11
7/10/2010 8:00	15138	1_60	2010	191	800	1.055231	97.9345	48.14435	4.266	24.2	2.874	25.33	21.1	20.64	-0.4611957	0	36.97	71.74
7/10/2010 9:00	15139	1_60	2010	191	900	1.741962	302.0105	29.5762	0.622	29.61	0.239	31	23.26	22.74	-0.5227677	0	32.28	75.01
7/10/2010 10:00	15140	1_60	2010	191	1000	1.61837	309.2753	63.98928	1.98	39.94	2.628	41.49	26.04	25.37	-0.6730827	0	28.07	80.1
7/10/2010 11:00	15141	1_60	2010	191	1100	3.256083	313.003	50.16505	9.5	39.2	6.92	40.84	29.09	28.08	-1.007972	0	22.92	85
7/10/2010 12:00	15142	1_60	2010	191	1200	4.865005	244.9748	19.21498	0.453	37.63	20.88	44.59	29.94	28.82	-1.1199	0	21.41	85.8
7/10/2010 13:00	15143	1_60	2010	191	1300	5.88198	262.3157	37.05113	8.53	41.15	21.52	51.61	29.1	27.87	-1.226527	0	25.23	84.4
7/10/2010 14:00	15144	1_60	2010	191	1400	5.102465	56.82271	15.5237	12.59	24.12	-1.239	28.54	24.6	24.64	0.03464858	0.07	44.73	76.54
7/10/2010 15:00	15145	1_60	2010	191	1500	4.267108	128.5272	18.54071	7.224	15.64	19.73	18.98	21.77	22.55	0.7827558	0.06	65.5	71.53
7/10/2010 16:00	15146	1_60	2010	191	1600	3.655957	112.4485	48.68116	4.769	11.61	12.95	18.18	20.82	21.88	1.059713	0.04	68.08	69.79
7/10/2010 17:00	15147	1_60	2010	191	1700	3.409084	116.0012	27.39251	4.324	14.47	11.16	19.18	23.16	23.27	0.1008971	0	58.22	73.76
7/10/2010 18:00	15148	1_60	2010	191	1800	3.602072	111.1931	12.02605	8.62	18.93	12.97	20.72	25.83	25.62	-0.2032453	0	38.76	78.86
7/10/2010 19:00	15149	1_60	2010	191	1900	2.160287	108.5897	17.45679	2.266	8.81	2.495	9.4	24.43	24.8	0.3659928	0	43.15	76.48
7/10/2010 20:00	15150	1_60	2010	191	2000	0.9164211	145.4799	45.57726	0.033	1.694	0.019	1.271	22.18	23.28	1.10022	0	50.4	72.48
7/10/2010 21:00	15151	1_60	2010	191	2100	1.594684	127.1234	20.94845	0.002	0.136	0.316	1.397	19.3	21.6	2.298301	0	62.96	67.18
7/10/2010 22:00	15152	1_60	2010	191	2200	2.44433	121.767	6.673069	0.09	2.354	0.69	2.919	17.37	19.81	2.445143	0	70.08	63.69
7/10/2010 23:00	15153	1_60	2010	191	2300	3.33592	110.7761	13.91644	3.666	7.337	7.924	10.49	16.72	18.85	2.130051	0	70.02	62.27
7/11/2010 0:00	15154	1_60	2010	192	0	3.054356	107.2436	16.76645	2.255	10.24	4.268	11.53	17.46	18.7	1.237733	0	61.39	63.72
7/11/2010 1:00	15155	1_60	2010	192	100	2.290846	140.0904	21.2571	0.436	3.275	5.074	7.292	16.3	18.11	1.807535	0	62.83	61.79
7/11/2010 2:00	15156	1_60	2010	192	200	1.483635	110.8193	34.90656	0.111	2.556	0.152	2.23	14.78	16.22	1.436799	0	69.39	58.9
7/11/2010 3:00	15157	1_60	2010	192	300	2.289	137.7289	18.04511	0.195	3.312	3.908	7.288	14.02	16.22	2.1964	0	69.5	57.75
7/11/2010 4:00	15158	1_60	2010	192	400	1.934297	15.74856	49.70012	0.464	4.385	3.416	9.26	13.54	15.31	1.770789	0	71.18	56.81
7/11/2010 5:00	15159	1_60	2010	192	500	1.286508	90.48531	43.09413	-0.011	0.592	0.244	2.422	11.82	13.35	1.53951	0	79.07	53.68
7/11/2010 6:00	15160	1_60	2010	192	600	1.868466	114.1802	7.186785	-0.003	0.356	0.05	2.008	11.24	12.7	1.456201	0	80.8	52.58
7/11/2010 7:00	15161	1_60	2010	192	700	1.59405	87.62418	18.16482	1.339	6.072	1.361	6.275	15.72	15.51	-0.2106078	0	65.57	61.34
7/11/2010 8:00	15162	1_60	2010	192	800	0.912667	61.35546	49.26625	1.066	16.44	0.385	16.21	19.54	19.21	-0.3363856	0	46.42	69.21
7/11/2010 9:00	15163	1_60	2010	192	900	2.155713	305.9429	33.08832	3.677	24.3	0.84	24.32	20.5	19.98	-0.5246316	0	48.88	70
7/11/2010 10:00	15164	1_60	2010	192	1000	1.542822	318.6587	39.12078	0.591	24.1	-1.245	24.07	21.3	20.82	-0.483396	0	45.05	71.6
7/11/2010 11:00	15165	1_60	2010	192	1100	1.381143	43.578	54.99377	4.663	29.66	4.195	29.23	25.29	24.53	-0.7616411	0	35.1	78.97
7/11/2010 12:00	15166	1_60	2010	192	1200	1.576218	285.2105	42.26657	-0.464	37.48	-0.544	38.04	28.17	27.57	-0.6049902	0	25.93	84
7/11/2010 13:00	15167	1_60	2010	192	1300	2.366117	341.5529	59.77788	7.039	35.96	-0.246	37.43	30.41	29.56	-0.8543535	0	19.24	87.6
7/11/2010 14:00	15168	1_60	2010	192	1400	3.860579	316.6874	31.25322	6.329	36.35	-1.817	37.99	31.59	30.51	-1.078868	0	16.83	89.3
7/11/2010 15:00	15169	1_60	2010	192	1500	3.657433	211.983	30.94069	5.246	30.96	23.94	36.99	30.56	30.14	-0.4202076	0	19.08	87.3
7/11/2010 16:00	15170	1_60	2010	192	1600	4.34024	16.83415	37.78941	8.25	27.05	4.788	35.06	29.32	29.1	-0.2168782	0	22.91	85
7/11/2010 17:00	15171	1_60	2010	192	1700	8.147932	197.906	11.33894	5.956	45.43	61.68	47.46	25.61	25.49	-0.1206163	0.01	33.86	78.2
7/11/2010 18:00	15172	1_60	2010	192	1800	2.911764	175.1222	18.39481	2.021	19.64	17.3	23.9	27.37	27.04	-0.3320014	0	27.98	81.3
7/11/2010 19:00	15173	1_60	2010	192	1900	4.620074	355.4918	38.53462	11.6	36.65	-3.701	37.88	26.39	26.26	-0.1296255	0	30.55	79.97
7/11/2010 20:00	15174	1_60	2010	192	2000	7.181516	320.4139	15.37891	10.93	49.16	-3.821	54.79	21.95	21.95	0.000191889	0	42.82	71.63
7/11/2010 21:00	15175	1_60	2010	192	2100	3.379055	350.7546	40.60914	5.86	32.98	-0.053	35.38	20.76	21.09	0.3297948	0	45.09	69.47
7/11/2010 22:00	15176	1_60	2010	192	2200	4.027264	129.8755	14.84415	6.935	15.81	18.72	17.25	20.39	20.93	0.5314794	0	43.89	68.84
7/11/2010 23:00	15177	1_60	2010	192	2300	3.799592	108.4418	10.91382	7.922	21.29	12.16	23.45	19.49	19.98	0.4890959	0	44.71	67.25
7/12/2010 0:00	15178	1_60	2010	193	0	1.329037	309.8907	54.50638	-0.813	10.18	-0.694	10.35	18.43	19.56	1.133204	0	48.85	65.47
7/12/2010 1:00	15179	1_60	2010	193	100	1.112328	240.8423	33.15267	0.044	0.738	0.078	1.361	16.05	17.79	1.744246	0	56.04	61.31
7/12/2010 2:00	15180	1_60	2010	193	200	1.349117	137.4958	38.97256	-0.014	0.437	0.043	0.898	14.03	16.42	2.386805	0	62.97	57.61
7/12/2010 3:00	15181	1_60	2010	193	300	2.125497	128.6108	5.582156	0.007	0.412	0.155	1.085	12.74	16.34	3.608347	0	66.81	55.35
7/12/2010 4:00	15182	1_60	2010	193	400	2.874678	127.4473	7.33721	1.133	4.919	7.595	8.36	13.04	15.69	2.65095	0	66.35	55.89
7/12/2010 5:00	15183	1_60	2010	193	500	2.295826	132.9597	11.7258	0.318	3.49	3.36	6.444	12.79	14.73	1.937557	0	68.59	55.36
7/12/2010 6:00	15184	1_60	2010	193	600	1.041431	109.2729	35.29834	0.053	0.805	0.171	1.31	12.71	13.92	1.204703	0	68.97	55.69
7/12/2010 7:00	15185	1_60	2010	193	700	0.4914047	129.9025	49.97087	0.453	5.794	0.803	6.798	15.06	14.73	-0.3266739	0	59.84	61.12
7/12/2010 8:00	15186	1_60	2010	193	800	0.9966621	4.535018	39.04455	2.517	21.57	-1.098	23.08	18.73	18.43	-0.2987981	0	44.9	68.19
7/12/2010 9:00	15187	1_60	2010	193	900	1.392152	334.7605	34.93328	6.357	27.73	1.825	27.9	20.49	20	-0.4864761	0	41.07	70.55
7/12/2010 10:00	15188	1_60	2010	193	1000	1.884123	311.3585	36.99699	4.6	33.63	1.98	35.6	23.09	22.39	-0.6956369	0	35.52	74.76
7/12/2010 11:00	15189	1_60	2010	193	1100	1.692835	328.9157	48.08731	5.578	34.1	1.06	32.15	26.34	25.6	-0.7423057	0	28.37	80.8
7/12/2010 12:00	15190	1_60	2010	193	1200	2.144816	281.001	46.86573	-5.137	37.26	-5.276	38.3	29.33	28.46	-0.8671589	0	21.58	85.7
7/12/2010 13:00	15191	1_60	2010	193	1300	3.309646	250.7537	52.71883	0.82	43.68	10.16	45.09	31.79	30.74	-1.057357	0	14.99	89.6
7/12/2010 14:00	15192	1_60	2010	193	1400	4.307754	299.3691	37.59631	8.06	44.88	7.571	49.25	32.89	31.87	-1.025399	0	13.7	91.3
7/12/2010 15:00	15193	1_60	2010	193	1500	4.751772	327.1279	15.17361	6.112	34.99	-5.196	38.88	32.89	31.99	-0.898287	0	13.03	91.4
7/12/2010 16:00	15194	1_60	2010	193	1600	5.985877	305.1638	19.71949	5.187	41.28	-0.791	46.8	34.02	32.94	-1.084191	0	11.5	93.2
7/12/2010 17:00	15195	1_60	2010	193	1700	5.066232	311.4026	18.01455	10.65	35.94	3.933	39.58	33.98	33.05	-0.9316346	0	11.52	93.3
7/12/2010 18:00	15196	1_60	2010	193	1800	5.353352	317.8497	15.00089	6.948	30.07	-3.69	32.97	33.3	32.62	-0.6818969	0	13.11	92.2
7/12/2010 19:00	15197	1_60	2010	193	1900	4.032701	322.3049	14.75033	7.019	22.23	-1.411	23.91	32.45	32.18	-0.2756681	0	14.15	91
7/12/2010 20:00	15198	1_60	2010	193	2000	1.771681	283.5732	11.36375	0.296	4.668	-0.018	5.503	29.46	30.49	1.028599	0	18.21	85.5
7/12/2010 21:00	15199	1_60	2010	193	2100	1.456783	199.1368	25.31581	-0.004	0.504	0.322	1.696	25.69	28.64	2.945125	0	22.29	78.95
7/12/2010 22:00	15200	1_60	2010	193	2200	1.493957	172.4011	26.39227	-0.03	0.724	0.124	0.965	24.16	27.15	2.997102	0	24.53	76.08
7/12/2010 23:00	15201	1_60	2010	193	2300	1.511139	107.225	30.1088	0.113	2.731	0.118	2.717	21.16	24.62	3.46165	0	29.41	70.77

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/10/2010 0:00	15130	1_60	2010	191	0	24.73	0.034	7.69	4.062	46.93	2355	13.12
7/10/2010 1:00	15131	1_60	2010	191	100	24.73	0.059	7.683	4.096	101.5	16	13.13
7/10/2010 2:00	15132	1_60	2010	191	200	24.73	0.064	7.675	4.233	125.9	136	13.14
7/10/2010 3:00	15133	1_60	2010	191	300	24.73	0.06	7.669	5.086	134.7	235	13.16
7/10/2010 4:00	15134	1_60	2010	191	400	24.72	0.041	7.662	4.915	144.3	301	13.17
7/10/2010 5:00	15135	1_60	2010	191	500	24.74	0.479	7.657	3.413	94.5	407	13.2
7/10/2010 6:00	15136	1_60	2010	191	600	24.75	49.49	7.653	3.072	79.15	504	13.22
7/10/2010 7:00	15137	1_60	2010	191	700	24.77	224.5	7.65	2.048	4.106	630	13.19
7/10/2010 8:00	15138	1_60	2010	191	800	24.76	456.3	7.646	2.56	102	713	13.11
7/10/2010 9:00	15139	1_60	2010	191	900	24.75	584.9	7.643	3.891	322.1	820	13.03
7/10/2010 10:00	15140	1_60	2010	191	1000	24.73	784	7.637	4.369	331	905	12.98
7/10/2010 11:00	15141	1_60	2010	191	1100	24.71	841	7.626	8.94	302.8	1036	12.94
7/10/2010 12:00	15142	1_60	2010	191	1200	24.69	620.3	7.603	10.89	211.4	1159	12.92
7/10/2010 13:00	15143	1_60	2010	191	1300	24.69	609.5	7.576	11.84	215	1224	12.91
7/10/2010 14:00	15144	1_60	2010	191	1400	24.69	242.9 AQ		9.49	30.95	1300	12.95
7/10/2010 15:00	15145	1_60	2010	191	1500	24.69	158.3 AQ		7.373	160.3	1436	13.01
7/10/2010 16:00	15146	1_60	2010	191	1600	24.68	116.9 AQ		6.963	135.2	1524	13.06
7/10/2010 17:00	15147	1_60	2010	191	1700	24.64	397	7.595	6.451	111.6	1655	13.06
7/10/2010 18:00	15148	1_60	2010	191	1800	24.64	335	7.595	6.622	94.3	1707	13.03
7/10/2010 19:00	15149	1_60	2010	191	1900	24.64	97.3	7.595	4.301	77.02	1811	13.02
7/10/2010 20:00	15150	1_60	2010	191	2000	24.64	9.87	7.594	2.048	53.04	1955	13.04
7/10/2010 21:00	15151	1_60	2010	191	2100	24.66	0.077	7.59	2.458	161.1	2055	13.08
7/10/2010 22:00	15152	1_60	2010	191	2200	24.66	0.055	7.582	3.823	114.5	2151	13.12
7/10/2010 23:00	15153	1_60	2010	191	2300	24.66	0.048	7.573	5.973	124.9	2255	13.15
7/11/2010 0:00	15154	1_60	2010	192	0	24.66	0.05	7.566	4.745	97.2	2309	13.17
7/11/2010 1:00	15155	1_60	2010	192	100	24.66	0.043	7.561	4.164	125.7	38	13.18
7/11/2010 2:00	15156	1_60	2010	192	200	24.66	0.062	7.556	2.355	36.91	108	13.2
7/11/2010 3:00	15157	1_60	2010	192	300	24.65	0.076	7.552	3.925	141.9	259	13.23
7/11/2010 4:00	15158	1_60	2010	192	400	24.66	0.083	7.55	4.028	136.8	302	13.24
7/11/2010 5:00	15159	1_60	2010	192	500	24.66	0.542	7.546	2.458	95.3	453	13.26
7/11/2010 6:00	15160	1_60	2010	192	600	24.66	46.28	7.543	2.526	102.8	516	13.28
7/11/2010 7:00	15161	1_60	2010	192	700	24.67	225.3	7.541	2.799	99.3	641	13.25
7/11/2010 8:00	15162	1_60	2010	192	800	24.67	428.6	7.536	2.697	0.117	758	13.15
7/11/2010 9:00	15163	1_60	2010	192	900	24.67	494.4	7.531	4.847	307.2	826	13.07
7/11/2010 10:00	15164	1_60	2010	192	1000	24.66	597.3	7.526	3.106	319.2	904	13.05
7/11/2010 11:00	15165	1_60	2010	192	1100	24.64	910	7.517	3.311	28.25	1043	13
7/11/2010 12:00	15166	1_60	2010	192	1200	24.61	916	7.505	5.222	297.4	1144	12.95
7/11/2010 13:00	15167	1_60	2010	192	1300	24.58	950	7.487	6.042	303.6	1247	12.92
7/11/2010 14:00	15168	1_60	2010	192	1400	24.56	843	7.459	8.4	333.4	1305	12.9
7/11/2010 15:00	15169	1_60	2010	192	1500	24.55	341.9	7.436	9.93	172.8	1450	12.9
7/11/2010 16:00	15170	1_60	2010	192	1600	24.55	261.5	7.41	15.84	242.1	1558	12.92
7/11/2010 17:00	15171	1_60	2010	192	1700	24.55	313.3	7.385	15.02	199.7	1614	12.96
7/11/2010 18:00	15172	1_60	2010	192	1800	24.55	160.8	7.358	6.622	215.3	1714	12.97
7/11/2010 19:00	15173	1_60	2010	192	1900	24.59	124.6	7.327	18.09	341.7	1851	12.98
7/11/2010 20:00	15174	1_60	2010	192	2000	24.63	17.05	7.299	17.17	343.9	1903	13.01
7/11/2010 21:00	15175	1_60	2010	192	2100	24.63	0.061	7.285	9.42	346.3	2010	13.06
7/11/2010 22:00	15176	1_60	2010	192	2200	24.62	0.06	7.283	7.305	122.5	2154	13.09
7/11/2010 23:00	15177	1_60	2010	192	2300	24.62	0.04	7.275	7.305	121	2203	13.11
7/12/2010 0:00	15178	1_60	2010	193	0	24.61	0.053	7.27	2.662	99.6	2320	13.13
7/12/2010 1:00	15179	1_60	2010	193	100	24.61	0.044	7.264	2.082	123.4	3	13.17
7/12/2010 2:00	15180	1_60	2010	193	200	24.61	0.036	7.26	2.662	90.9	125	13.2
7/12/2010 3:00	15181	1_60	2010	193	300	24.61	0.066	7.256	3.14	134.6	220	13.23
7/12/2010 4:00	15182	1_60	2010	193	400	24.61	0.083	7.252	4.164	127.7	328	13.26
7/12/2010 5:00	15183	1_60	2010	193	500	24.62	0.501	7.25	4.233	120.1	431	13.27
7/12/2010 6:00	15184	1_60	2010	193	600	24.64	43.93	7.248	2.594	33.32	555	13.27
7/12/2010 7:00	15185	1_60	2010	193	700	24.64	218.2	7.246	2.116	53.3	600	13.24
7/12/2010 8:00	15186	1_60	2010	193	800	24.64	419.9	7.244	2.833	328.5	748	13.14
7/12/2010 9:00	15187	1_60	2010	193	900	24.63	614.2	7.241	3.106	312.7	856	13.07
7/12/2010 10:00	15188	1_60	2010	193	1000	24.62	782.9	7.236	5.018	317	936	13.02
7/12/2010 11:00	15189	1_60	2010	193	1100	24.6	914	7.229	5.188	350.6	1056	12.98
7/12/2010 12:00	15190	1_60	2010	193	1200	24.58	989	7.219	6.007	288.5	1132	12.94
7/12/2010 13:00	15191	1_60	2010	193	1300	24.56	860	7.199	9.9	259.2	1238	12.91
7/12/2010 14:00	15192	1_60	2010	193	1400	24.54	838	7.168	12.97	297.5	1323	12.89
7/12/2010 15:00	15193	1_60	2010	193	1500	24.53	558.5	7.137	9.86	314	1416	12.88
7/12/2010 16:00	15194	1_60	2010	193	1600	24.52	791	7.086	12.53	292.5	1533	12.87
7/12/2010 17:00	15195	1_60	2010	193	1700	24.51	565.9	7.056	9.45	313.4	1620	12.87
7/12/2010 18:00	15196	1_60	2010	193	1800	24.5	355.8	7.023	8.6	313.7	1708	12.89
7/12/2010 19:00	15197	1_60	2010	193	1900	24.5	161	7	7.543	303.4	1800	12.9
7/12/2010 20:00	15198	1_60	2010	193	2000	24.51	17.71	6.98	3.925	313.4	1905	12.93
7/12/2010 21:00	15199	1_60	2010	193	2100	24.53	0.07	6.969	2.901	104.6	2051	12.97
7/12/2010 22:00	15200	1_60	2010	193	2200	24.54	0.043	6.956	2.355	255.6	2139	13.02
7/12/2010 23:00	15201	1_60	2010	193	2300	24.55	0.018	6.943	3.516	99.7	2255	13.06

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	WSpd_m/s	WDir_Deg	ST	VertWS_EPS_Avg	VertWS_EPS_Std	VertWS_CFT_Avg	VertWS_CFT_Std	Temp2m_Avg	Temp10m_Avg	DeltaT_Avg	Precip_Tot	RH_Avg	RHTemp_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC		in		DegF
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg	Tot	Avg	Avg
7/13/2010 0:00	15202	1_60	2010	194	0	3.842542	127.4925	9.049536	4.242	9.34	12.27	11.28	21.64	23.57	1.939658	0	29.09	71.28
7/13/2010 1:00	15203	1_60	2010	194	100	4.688456	120.9118	5.950992	7.598	14.15	16.55	14.27	21.75	22.63	0.8766202	0	28.68	71.33
7/13/2010 2:00	15204	1_60	2010	194	200	4.606599	128.2729	6.155656	6.044	10.61	21.25	11.25	20.67	21.71	1.042369	0	30.39	69.43
7/13/2010 3:00	15205	1_60	2010	194	300	2.196469	107.7821	37.03008	1.019	4.294	6.699	9.84	18.71	20.45	1.744097	0	34.45	66.27
7/13/2010 4:00	15206	1_60	2010	194	400	1.484401	133.3837	24.64306	0.001	0.381	0.522	2.48	16.01	18.09	2.086812	0	42.37	61.06
7/13/2010 5:00	15207	1_60	2010	194	500	0.9189308	128.6613	48.57854	0.044	1.488	0.382	3.929	15.39	17.39	2.000765	0	43.86	59.89
7/13/2010 6:00	15208	1_60	2010	194	600	1.331253	121.0966	25.82644	0.007	0.293	0.068	0.703	15.11	16.79	1.674607	0	45.74	59.62
7/13/2010 7:00	15209	1_60	2010	194	700	2.610478	96.13412	13.24116	4.824	13.95	5.605	15.81	20.16	20.09	-0.07396649	0	35.55	68.74
7/13/2010 8:00	15210	1_60	2010	194	800	2.189072	97.01662	29.07917	4.105	20.58	5.604	22.11	24.52	24.08	-0.4409792	0	26.82	77.31
7/13/2010 9:00	15211	1_60	2010	194	900	2.241986	304.8439	19.68869	4.758	25.85	3.287	27.27	25.52	24.94	-0.5805052	0	26.15	78.74
7/13/2010 10:00	15212	1_60	2010	194	1000	1.600418	296.4005	55.48031	1.517	33.5	1.187	34.27	28.9	28.26	-0.6480122	0	21.59	85.2
7/13/2010 11:00	15213	1_60	2010	194	1100	2.837924	191.0484	44.10007	0.246	40.74	14.44	43.32	32.04	30.9	-1.138145	0	18.59	90.1
7/13/2010 12:00	15214	1_60	2010	194	1200	3.891928	204.8672	32.13154	-0.137	39.34	20.56	45.99	33.14	31.76	-1.374654	0	17.32	91.7
7/13/2010 13:00	15215	1_60	2010	194	1300	4.343702	214.8528	29.1092	-0.509	35.97	20.17	39.55	33.49	32.23	-1.262347	0	16.67	92.2
7/13/2010 14:00	15216	1_60	2010	194	1400	6.781249	240.4022	18.8247	2.076	46.41	34.67	54.24	33.15	32.22	-0.9316882	0	15.69	91.8
7/13/2010 15:00	15217	1_60	2010	194	1500	5.490586	141.6764	28.54171	5.376	38.61	27.44	49.32	29.93	29.37	-0.5570092	0	22.28	85.8
7/13/2010 16:00	15218	1_60	2010	194	1600	3.414606	167.2548	30.92149	8.69	41.8	21.46	45.56	34.17	33.09	-1.078761	0	16.57	93.6
7/13/2010 17:00	15219	1_60	2010	194	1700	6.229735	289.6485	22.50734	3.784	36.19	4.066	42.9	31.74	31.49	-0.2439546	0.01	21.62	89.4
7/13/2010 18:00	15220	1_60	2010	194	1800	2.958994	314.6083	49.10703	3.106	18.89	0.459	21.31	30.57	30.55	-0.02549352	0	22.43	87.3
7/13/2010 19:00	15221	1_60	2010	194	1900	3.234862	286.1349	34.88433	3.908	20.32	0.646	22.09	29.94	30.04	0.09643462	0	24.39	86
7/13/2010 20:00	15222	1_60	2010	194	2000	4.352693	322.3334	26.0431	12.2	28.65	-1.164	30.95	29.29	29.64	0.3530073	0	21.85	85
7/13/2010 21:00	15223	1_60	2010	194	2100	2.519246	262.5128	15.37097	1.355	17.49	1.347	18.15	27.24	28.32	1.078618	0	25.25	81.4
7/13/2010 22:00	15224	1_60	2010	194	2200	1.969794	153.9307	17.60719	0.963	6.093	1.199	6.277	24.8	26.38	1.588901	0	33.09	76.81
7/13/2010 23:00	15225	1_60	2010	194	2300	2.730494	163.502	37.67991	2.501	20.95	7.097	24.6	25.13	26.17	1.042729	0	30.92	77.54
7/14/2010 0:00	15226	1_60	2010	195	0	2.415325	137.6357	38.3397	1.481	6.031	7.868	12.16	23.49	24.98	1.485018	0	35.78	74.44
7/14/2010 1:00	15227	1_60	2010	195	100	3.307796	130.4227	36.11653	4.295	17.11	14.72	19.47	24.07	25.08	1.010612	0	33.42	75.54
7/14/2010 2:00	15228	1_60	2010	195	200	3.088196	117.7657	29.02411	3.634	9.46	7.151	10.8	21.86	23.1	1.238911	0	39.69	71.74
7/14/2010 3:00	15229	1_60	2010	195	300	1.962521	123.1426	21.6749	0.423	4.167	4.729	8.38	19.19	20.93	1.733069	0	48.55	66.83
7/14/2010 4:00	15230	1_60	2010	195	400	1.47715	94.82977	28.64161	0.313	2.315	-0.027	2.034	17.49	19.21	1.72769	0	52.54	63.89
7/14/2010 5:00	15231	1_60	2010	195	500	0.9319507	107.7537	44.13989	-0.011	0.451	-0.004	0.117	15.64	17.39	1.752208	0	59.39	60.25
7/14/2010 6:00	15232	1_60	2010	195	600	1.23415	135.3002	13.01684	-0.001	0.269	0.043	0.665	16.08	18.57	2.485376	0	59.31	61.28
7/14/2010 7:00	15233	1_60	2010	195	700	0.5926118	136.8723	36.59993	0.136	3.277	0.413	3.007	19.62	19.56	-0.06696101	0	46.36	68.92
7/14/2010 8:00	15234	1_60	2010	195	800	0.968247	321.6417	44.92824	0.607	15.73	-1.371	15.57	23.58	23.27	-0.3085573	0	34.87	76.26
7/14/2010 9:00	15235	1_60	2010	195	900	0.9445796	326.896	50.36546	2.543	23.52	1.189	24.06	26.21	25.75	-0.4634171	0	28.18	81.4
7/14/2010 10:00	15236	1_60	2010	195	1000	2.813146	306.7646	48.80795	5.608	34.57	2.509	36.82	29.37	28.6	-0.7709761	0	21.36	85.6
7/14/2010 11:00	15237	1_60	2010	195	1100	4.019639	271.4327	33.53388	4.295	40.98	12.71	45.61	32.09	30.95	-1.139774	0	12.67	90
7/14/2010 12:00	15238	1_60	2010	195	1200	4.854708	243.4939	22.32671	0.14	38.79	17.85	42.31	33.5	32.03	-1.471853	0	11.54	92.2
7/14/2010 13:00	15239	1_60	2010	195	1300	3.607112	253.1566	48.47497	3.46	42.53	8.26	45.73	34.14	32.91	-1.22948	0	10.72	93.7
7/14/2010 14:00	15240	1_60	2010	195	1400	4.088284	290.732	55.1338	1.116	44.79	2.806	50.76	35.06	33.82	-1.240435	0	9.85	95.2
7/14/2010 15:00	15241	1_60	2010	195	1500	5.775393	260.272	34.11622	-2.061	40.57	12.04	46.75	36	34.42	-1.583953	0	8.8	96.5
7/14/2010 16:00	15242	1_60	2010	195	1600	4.673894	322.3186	25.76837	10.23	38.56	-0.294	40.93	34.93	34.16	-0.7675896	0	8.01	95
7/14/2010 17:00	15243	1_60	2010	195	1700	5.560073	312.2964	20.80727	7.779	34.77	-0.884	39.12	35.31	34.62	-0.6910636	0	7.458	95.6
7/14/2010 18:00	15244	1_60	2010	195	1800	5.497928	322.1014	18.43426	10.13	31.78	-1.182	36.61	35.3	34.65	-0.6424668	0	7.434	95.8
7/14/2010 19:00	15245	1_60	2010	195	1900	4.330419	335.9969	16.64293	6.963	22.71	-4.935	25.86	33.93	33.7	-0.2271479	0	10.1	93.7
7/14/2010 20:00	15246	1_60	2010	195	2000	3.392494	316.9362	9.796861	2.789	9.84	-0.207	10.83	30.7	31.83	1.133151	0	12.07	88
7/14/2010 21:00	15247	1_60	2010	195	2100	3.543309	309.2867	5.53322	0.595	3.315	0.432	3.593	26.68	29.18	2.500428	0	14.67	80.5
7/14/2010 22:00	15248	1_60	2010	195	2200	2.171449	207.1322	42.41837	0.145	2.201	1.857	4.201	24.06	27.25	3.189086	0	18.52	75.9
7/14/2010 23:00	15249	1_60	2010	195	2300	1.742278	134.8482	22.10287	-0.029	0.742	0.194	1.375	21.38	24.96	3.579207	0	21.68	71.22
7/15/2010 0:00	15250	1_60	2010	196	0	1.617627	119.659	32.55616	-0.227	2.828	0.394	4.228	20.52	24.35	3.828863	0	23.02	69.34
7/15/2010 1:00	15251	1_60	2010	196	100	3.004942	122.6412	34.93834	0.833	4.029	6.516	8.54	19.88	22.3	2.422365	0	24.07	68.23
7/15/2010 2:00	15252	1_60	2010	196	200	3.911889	130.5414	5.966202	2.895	8.67	14.91	14.02	19.26	21.58	2.324215	0	25.3	67.04
7/15/2010 3:00	15253	1_60	2010	196	300	5.027481	130.3086	10.88969	8.31	19.22	24.19	20.88	21.75	22.32	0.5696406	0	21.63	71.29
7/15/2010 4:00	15254	1_60	2010	196	400	3.699109	129.371	22.12177	6.663	13.8	16.16	17.08	19.71	20.44	0.7269335	0	24.65	67.85
7/15/2010 5:00	15255	1_60	2010	196	500	2.161515	82.42169	23.2893	0.248	3.104	0.127	3.949	16.07	18	1.9289	0	30.98	61.27
7/15/2010 6:00	15256	1_60	2010	196	600	2.284817	92.39847	10.77827	0.715	4.609	1.034	6.121	15.93	16.81	0.8766223	0	31.7	61.04
7/15/2010 7:00	15257	1_60	2010	196	700	3.202745	110.127	9.096251	6.376	16.27	11.91	19.33	21.05	20.85	-0.2004167	0	26.14	70.28
7/15/2010 8:00	15258	1_60	2010	196	800	1.815804	308.3563	49.9949	2.224	16.96	0.826	19	23.49	23.06	-0.4319188	0	22.9	75.51
7/15/2010 9:00	15259	1_60	2010	196	900	2.093561	303.0475	22.96855	2.725	25.37	0.41	27.53	25.61	25.05	-0.5582412	0	20.54	79.05
7/15/2010 10:00	15260	1_60	2010	196	1000	2.603026	304.0782	21.30737	3.283	32.25	1.212	34.82	28.26	27.53	-0.7326679	0	18.06	83.5
7/15/2010 11:00	15261	1_60	2010	196	1100	1.884212	286.6777	32.21938	0.811	34.94	0.957	38.49	31.22	30.48	-0.7385929	0	14.53	89.2
7/15/2010 12:00	15262	1_60	2010	196	1200	2.310137	318.7632	69.29695	3.296	38.21	0.44	39.57	33.71	32.79	-0.9202414	0	11.52	93.7
7/15/2010 13:00	15263	1_60	2010	196	1300	4.732933	355.1487	38.4005	10.44	43.74	-6.844	50.14	35.07	33.87	-1.19721	0	10.05	95.3
7/15/2010 14:00	15264	1_60	2010	196	1400	3.894913	330.0714	39.91122	5.142	42.16	-2.367	45.57	35.18	34	-1.179942	0	10.42	95.7
7/15/2010 15:00	15265	1_60	2010	196	1500	4.510991	327.4293	52.16685	11.28	40.46	5.737	46.63	36.06	34.72	-1.34477	0	9.86	96.8
7/15/2010 16:00	15266	1_60	2010	196	1600	4.651248	320.7279	29.3009	5.536	39.96	-4.248	44.8	36.18	35.16	-1.021548	0	8.87	97.4
7/15/2010 17:00	15267	1_60	2010	196	1700	4.276238	351.2949	32.63411	8.02	36.5	-6.691	41.09	35.91	35.13	-0.7843292	0	7.91	97.1
7/15/2010 18:00	15268	1_60	2010	196	1800	5.721779	344.9967	21.82969	12.05	35.27	-8.4	39.62	35.57	34.96	-0.6095085	0	7.58	96.3
7/15/2010 19:00	15269	1_60	2010	196	1900	5.31631	322.5508	14.71006	7.188	25.09	-3.963	28.64	34.54	34.33	-0.2150578	0	7.199	94.6
7/15/2010 20:00	15270	1_60	2010	196	2000	2.730124	306.6325	9.090655	0.89	5.864	0.18	7.792	31.09	32.22	1.129424	0	8.84	88.4
7/15/2010 21:00	15271	1_60	2010	196	2100	1.559299	133.1597	26.1118	0.052	0.957	0.684	3.11	27.05	30.26	3.214629	0	11	81.6
7/15/2010 22:00	15272	1_60	2010	196	2200	1.634592	141.9488	50.05505	0.259	3.765	0.861	4.997	23.74	27.26	3.520813	0	13.11	75.34
7/15/2010 23:00	15273	1_60	2010	196	2300	0.9857382	138.7418	35.38629	0.024	0.638	0.038	1.093	22.19	25.6	3.409667	0	15.11	72.98

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/13/2010 0:00	15202	1_60	2010	194	0	24.55	0.054	6.932	5.973	124.5	2331	13.09
7/13/2010 1:00	15203	1_60	2010	194	100	24.55	0.064	6.915	7.066	126	59	13.1
7/13/2010 2:00	15204	1_60	2010	194	200	24.55	0.063	6.901	6.588	121.1	100	13.1
7/13/2010 3:00	15205	1_60	2010	194	300	24.56	0.041	6.893	4.574	127.3	203	13.12
7/13/2010 4:00	15206	1_60	2010	194	400	24.57	0.052	6.888	3.652	105.8	353	13.15
7/13/2010 5:00	15207	1_60	2010	194	500	24.58	0.461	6.883	2.423	117.8	400	13.19
7/13/2010 6:00	15208	1_60	2010	194	600	24.6	42.69	6.877	2.833	99.4	543	13.21
7/13/2010 7:00	15209	1_60	2010	194	700	24.61	215.7	6.873	4.471	93.9	649	13.18
7/13/2010 8:00	15210	1_60	2010	194	800	24.61	421.6	6.871	4.54	296.1	758	13.09
7/13/2010 9:00	15211	1_60	2010	194	900	24.6	596.1	6.87	4.335	290.7	802	13.01
7/13/2010 10:00	15212	1_60	2010	194	1000	24.59	765.2	6.866	4.676	292.5	945	12.96
7/13/2010 11:00	15213	1_60	2010	194	1100	24.58	917	6.861	8.29	188.2	1028	12.91
7/13/2010 12:00	15214	1_60	2010	194	1200	24.57	855	6.848	9.86	189	1139	12.89
7/13/2010 13:00	15215	1_60	2010	194	1300	24.55	756.2	6.826	9.42	240.5	1256	12.88
7/13/2010 14:00	15216	1_60	2010	194	1400	24.57	401.6	6.793	21.67	226.3	1355	12.87
7/13/2010 15:00	15217	1_60	2010	194	1500	24.52	569.8	6.75	18.84	166.6	1405	12.91
7/13/2010 16:00	15218	1_60	2010	194	1600	24.5	698.3	6.728	7.885	220.2	1533	12.9
7/13/2010 17:00	15219	1_60	2010	194	1700	24.5	344.2	6.703	12.25	323.6	1623	12.89
7/13/2010 18:00	15220	1_60	2010	194	1800	24.5	125.2	6.68	6.997	317.7	1700	12.92
7/13/2010 19:00	15221	1_60	2010	194	1900	24.52	56.33	6.668	10.44	352	1857	12.94
7/13/2010 20:00	15222	1_60	2010	194	2000	24.53	12.64	6.65	9.83	5.609	1949	12.95
7/13/2010 21:00	15223	1_60	2010	194	2100	24.56	0.056	6.63	7.066	333.4	2000	12.96
7/13/2010 22:00	15224	1_60	2010	194	2200	24.58	0.042	6.62	3.413	146.9	2133	12.98
7/13/2010 23:00	15225	1_60	2010	194	2300	24.58	0.056	6.605	16.9	171.4	2210	13.02
7/14/2010 0:00	15226	1_60	2010	195	0	24.6	0.053	6.6	4.779	119.6	2336	13.04
7/14/2010 1:00	15227	1_60	2010	195	100	24.6	0.04	6.592	6.451	135	58	13.05
7/14/2010 2:00	15228	1_60	2010	195	200	24.6	0.025	6.58	5.803	132.8	101	13.06
7/14/2010 3:00	15229	1_60	2010	195	300	24.61	0.054	6.572	3.516	151.8	232	13.09
7/14/2010 4:00	15230	1_60	2010	195	400	24.62	0.039	6.564	3.243	65.47	321	13.12
7/14/2010 5:00	15231	1_60	2010	195	500	24.64	0.323	6.559	2.833	115	456	13.16
7/14/2010 6:00	15232	1_60	2010	195	600	24.66	32.66	6.555	2.492	129.9	502	13.19
7/14/2010 7:00	15233	1_60	2010	195	700	24.68	203.7	6.552	2.014	83.7	604	13.16
7/14/2010 8:00	15234	1_60	2010	195	800	24.69	416.3	6.551	2.799	283.3	734	13.08
7/14/2010 9:00	15235	1_60	2010	195	900	24.68	630.3	6.551	3.072	307.6	829	13
7/14/2010 10:00	15236	1_60	2010	195	1000	24.68	757.2	6.545	6.861	271.8	956	12.95
7/14/2010 11:00	15237	1_60	2010	195	1100	24.67	935	6.534	9.83	252.8	1002	12.91
7/14/2010 12:00	15238	1_60	2010	195	1200	24.67	1005	6.512	9.93	249.6	1141	12.89
7/14/2010 13:00	15239	1_60	2010	195	1300	24.65	1029	6.488	10.41	312.3	1243	12.88
7/14/2010 14:00	15240	1_60	2010	195	1400	24.64	1014	6.446	15.12	262.6	1346	12.86
7/14/2010 15:00	15241	1_60	2010	195	1500	24.62	922	6.404	10.99	273.4	1430	12.85
7/14/2010 16:00	15242	1_60	2010	195	1600	24.61	432	6.364	10.24	340.5	1522	12.86
7/14/2010 17:00	15243	1_60	2010	195	1700	24.61	496.9	6.319	10.62	300.2	1626	12.87
7/14/2010 18:00	15244	1_60	2010	195	1800	24.61	377.2	6.277	10.27	316.9	1714	12.87
7/14/2010 19:00	15245	1_60	2010	195	1900	24.62	169.6	6.245	8.43	319.1	1800	12.88
7/14/2010 20:00	15246	1_60	2010	195	2000	24.64	18.67	6.222	6.042	346.8	1905	12.91
7/14/2010 21:00	15247	1_60	2010	195	2100	24.66	0.061	6.211	4.745	295	2006	12.96
7/14/2010 22:00	15248	1_60	2010	195	2200	24.67	0.037	6.197	3.959	303.7	2100	13.01
7/14/2010 23:00	15249	1_60	2010	195	2300	24.69	0.023	6.183	2.594	110.9	2232	13.05
7/15/2010 0:00	15250	1_60	2010	196	0	24.7	0.043	6.172	4.13	136.7	2359	13.09
7/15/2010 1:00	15251	1_60	2010	196	100	24.7	0.053	6.163	4.403	138.1	11	13.12
7/15/2010 2:00	15252	1_60	2010	196	200	24.71	0.027	6.154	6.997	128.8	142	13.14
7/15/2010 3:00	15253	1_60	2010	196	300	24.72	0.017	6.142	7.748	117.9	241	13.13
7/15/2010 4:00	15254	1_60	2010	196	400	24.74	0.06	6.133	6.656	125.8	320	13.12
7/15/2010 5:00	15255	1_60	2010	196	500	24.75	0.364	6.127	4.437	67.22	457	13.15
7/15/2010 6:00	15256	1_60	2010	196	600	24.77	41.55	6.12	4.13	94.6	506	13.18
7/15/2010 7:00	15257	1_60	2010	196	700	24.78	225.3	6.115	5.905	114	629	13.16
7/15/2010 8:00	15258	1_60	2010	196	800	24.79	430.3	6.109	3.823	298.8	724	13.08
7/15/2010 9:00	15259	1_60	2010	196	900	24.79	627.2	6.106	4.574	309.1	842	13.01
7/15/2010 10:00	15260	1_60	2010	196	1000	24.78	797.3	6.104	4.642	308.8	929	12.96
7/15/2010 11:00	15261	1_60	2010	196	1100	24.77	931	6.094	4.642	281.1	1024	12.92
7/15/2010 12:00	15262	1_60	2010	196	1200	24.75	1004	6.076	8.64	336	1103	12.89
7/15/2010 13:00	15263	1_60	2010	196	1300	24.74	1023	6.055	10.24	13.61	1238	12.87
7/15/2010 14:00	15264	1_60	2010	196	1400	24.72	1005	6.014	9.73	296.4	1326	12.86
7/15/2010 15:00	15265	1_60	2010	196	1500	24.71	876	5.969	10.79	339.3	1455	12.85
7/15/2010 16:00	15266	1_60	2010	196	1600	24.7	769.3	5.92	10.82	318	1528	12.85
7/15/2010 17:00	15267	1_60	2010	196	1700	24.68	569.2	5.879	10.89	324.8	1659	12.85
7/15/2010 18:00	15268	1_60	2010	196	1800	24.68	362.5	5.833	12.25	336.1	1700	12.86
7/15/2010 19:00	15269	1_60	2010	196	1900	24.68	167.1	5.787	9.66	336.2	1800	12.85
7/15/2010 20:00	15270	1_60	2010	196	2000	24.69	17.4	5.759	5.837	314.8	1900	12.91
7/15/2010 21:00	15271	1_60	2010	196	2100	24.71	0.056	5.745	3.516	126.3	2054	12.96
7/15/2010 22:00	15272	1_60	2010	196	2200	24.71	0.029	5.726	3.14	67.91	2123	13.01
7/15/2010 23:00	15273	1_60	2010	196	2300	24.72	0.016	5.709	2.048	118.8	2234	13.06

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/16/2010 0:00	15274	1_60	2010	197	0	1.844563	170.2806	36.35504	-0.108	2.305	1.069	5.244	20.5	23.67	3.171993	0	17.67	69.04
7/16/2010 1:00	15275	1_60	2010	197	100	2.014658	126.0437	27.6925	0.191	2.246	0.639	3.466	19.81	22.53	2.722542	0	20.53	68.19
7/16/2010 2:00	15276	1_60	2010	197	200	3.193354	120.373	14.28267	0.216	2.773	3.126	6.368	17.9	21.67	3.775712	0	24.79	64.73
7/16/2010 3:00	15277	1_60	2010	197	300	3.813451	107.327	7.251415	1.958	6.266	5.178	8.34	17.67	19.88	2.21323	0	26.31	64.03
7/16/2010 4:00	15278	1_60	2010	197	400	1.954581	152.4862	53.86913	0.662	8.72	5.165	11.15	16.47	18.99	2.525846	0	28.1	62.15
7/16/2010 5:00	15279	1_60	2010	197	500	1.143582	200.4634	29.08922	-0.001	0.084	0.008	0.42	14.15	15.97	1.815684	0	32.46	57.93
7/16/2010 6:00	15280	1_60	2010	197	600	1.564668	100.872	18.0867	-0.882	10.07	-1.718	12.46	15.68	17.13	1.449146	0	30.15	60.89
7/16/2010 7:00	15281	1_60	2010	197	700	0.6351337	108.7953	41.15092	0.855	6.885	2.749	10.06	18.91	18.64	-0.2735099	0	24.78	68.08
7/16/2010 8:00	15282	1_60	2010	197	800	0.6807005	24.79661	50.93219	4.096	19.87	2.126	20.76	23.24	22.95	-0.2824719	0	18.42	76.63
7/16/2010 9:00	15283	1_60	2010	197	900	1.415076	305.6591	46.53003	3.409	24.11	2.413	28.38	26.52	26.02	-0.5026122	0	14.02	81.7
7/16/2010 10:00	15284	1_60	2010	197	1000	2.126441	306.1478	33.80715	2.181	28.99	-1.635	31.5	29.16	28.49	-0.6703015	0	12.69	85.5
7/16/2010 11:00	15285	1_60	2010	197	1100	2.339235	298.0578	38.27402	4.609	33.67	2.797	35.86	32.32	31.49	-0.8312005	0	10.4	91
7/16/2010 12:00	15286	1_60	2010	197	1200	2.56605	231.3352	64.1654	1.912	35.74	6.27	39.64	34.75	33.55	-1.201442	0	8.67	95.1
7/16/2010 13:00	15287	1_60	2010	197	1300	3.151887	339.4807	71.93282	4.933	46.89	-1.973	51.1	35.85	34.87	-0.982813	0	6.784	97.1
7/16/2010 14:00	15288	1_60	2010	197	1400	4.478168	286.9055	31.48042	4.514	42.8	2.945	47.81	36.89	35.73	-1.159084	0	6.339	98.5
7/16/2010 15:00	15289	1_60	2010	197	1500	3.790798	270.7469	29.61231	0.541	36.18	4.41	38.97	37.15	35.9	-1.253495	0	6.25	99
7/16/2010 16:00	15290	1_60	2010	197	1600	2.677181	304.4949	48.36424	4.072	37.24	0.127	39.46	36.85	36.1	-0.7510962	0	6.29	99.3
7/16/2010 17:00	15291	1_60	2010	197	1700	2.946241	323.8934	36.59572	9.25	34.16	4.934	35.27	37.12	36.33	-0.7867386	0	6.387	99.7
7/16/2010 18:00	15292	1_60	2010	197	1800	3.968183	356.3286	29.48976	9.03	29.43	-6.414	32.12	36.79	36.27	-0.5129573	0	6.167	98.9
7/16/2010 19:00	15293	1_60	2010	197	1900	4.566796	351.0645	22.07996	9.4	26.91	-6.962	30.14	35.56	35.42	-0.1419006	0	6.196	96.6
7/16/2010 20:00	15294	1_60	2010	197	2000	4.240459	19.49691	14.78211	8.81	19.65	-6.726	21.66	33.23	33.71	0.4865094	0	6.829	92.1
7/16/2010 21:00	15295	1_60	2010	197	2100	1.681543	201.5054	41.54663	1.242	7.945	0.444	9.73	30.14	31.91	1.778574	0	8.04	86.8
7/16/2010 22:00	15296	1_60	2010	197	2200	1.672271	152.1539	42.31	-0.239	6.761	0.533	8	26.39	29	2.614459	0	9.98	80.4
7/16/2010 23:00	15297	1_60	2010	197	2300	1.746766	96.80411	31.09906	0.048	2.222	-0.07	4.191	23.47	25.85	2.381031	0	11.9	74.61
7/17/2010 0:00	15298	1_60	2010	198	0	3.764018	125.3105	7.049587	2.302	5.933	10.22	10.89	22.38	25.54	3.153511	0	13.02	72.61
7/17/2010 1:00	15299	1_60	2010	198	100	2.956614	116.0195	10.579	0.74	9.76	3.275	12.47	21.49	22.93	1.435832	0	13.93	71.21
7/17/2010 2:00	15300	1_60	2010	198	200	1.0773	176.2721	43.96751	-0.02	1.228	0.101	4.891	18.21	20.42	2.210496	0	17.22	65.23
7/17/2010 3:00	15301	1_60	2010	198	300	2.610621	120.9544	20.31646	0.481	3.016	4.077	6.968	17.14	20.18	3.035053	0	18.77	63.26
7/17/2010 4:00	15302	1_60	2010	198	400	3.54314	105.5983	8.205978	2.46	6.932	6.395	9.05	15.63	17.91	2.281496	0	21.37	60.4
7/17/2010 5:00	15303	1_60	2010	198	500	1.987659	40.81913	25.40691	0.169	5.617	0.322	8.28	16.88	18.84	1.963555	0	20.82	62.75
7/17/2010 6:00	15304	1_60	2010	198	600	1.836501	285.7086	26.78756	0.224	1.688	0.162	2.4	15.96	17.95	1.998594	0	22.66	60.81
7/17/2010 7:00	15305	1_60	2010	198	700	2.224066	107.4677	29.33435	-0.055	2.389	0.364	3.575	16.63	17.72	1.091601	0	22.81	62.32
7/17/2010 8:00	15306	1_60	2010	198	800	0.8519902	113.3243	44.42622	2.535	15.19	4.184	20.35	22.8	22.36	-0.4347531	0	14.64	74.72
7/17/2010 9:00	15307	1_60	2010	198	900	0.8902507	267.0252	47.89676	0.857	23.97	-0.188	26.68	26.02	25.48	-0.5376407	0	12.08	81
7/17/2010 10:00	15308	1_60	2010	198	1000	1.187011	313.9252	65.23015	5.449	28.45	3.921	32.09	29.19	28.61	-0.572936	0	11.99	86.1
7/17/2010 11:00	15309	1_60	2010	198	1100	1.591746	336.3607	47.99277	6.422	39.52	3.821	40.27	32.37	31.64	-0.7281958	0	12.23	91.8
7/17/2010 12:00	15310	1_60	2010	198	1200	2.174032	215.8078	63.05482	0.067	41.61	2.203	43.99	34.47	33.47	-0.998885	0	11.26	94.7
7/17/2010 13:00	15311	1_60	2010	198	1300	2.378801	2.808072	50.77765	6.612	40.19	3.639	41.36	35.68	34.75	-0.9283045	0	10.44	97
7/17/2010 14:00	15312	1_60	2010	198	1400	3.390997	23.03753	60.12247	10.28	41.19	0.438	43.45	36.81	35.71	-1.103049	0	8.29	98.6
7/17/2010 15:00	15313	1_60	2010	198	1500	3.565216	54.11586	31.30647	8.8	39.27	-1.274	41.68	37.28	36.28	-1.005749	0	7.991	99.4
7/17/2010 16:00	15314	1_60	2010	198	1600	3.422683	279.6974	68.78049	8.55	39.6	11.47	42.46	37.97	36.93	-1.039603	0	7.581	100.8
7/17/2010 17:00	15315	1_60	2010	198	1700	4.464028	307.6408	36.61721	1.377	36.15	-3.113	40.31	38	37.08	-0.9240538	0	6.918	100.8
7/17/2010 18:00	15316	1_60	2010	198	1800	5.656955	305.5162	16.66399	7.112	32.14	2.575	38.19	37.45	36.8	-0.6560431	0	7.465	99.6
7/17/2010 19:00	15317	1_60	2010	198	1900	7.827241	305.5247	7.634404	8.14	36.84	1.625	40.14	34.52	34.34	-0.1814061	0	11.37	94.3
7/17/2010 20:00	15318	1_60	2010	198	2000	4.420109	310.8279	9.460771	3.536	16.49	-1.37	17.22	31.03	31.56	0.5352413	0	13.67	88
7/17/2010 21:00	15319	1_60	2010	198	2100	2.4484	293.4445	20.14928	2.641	14.03	1.889	14.93	29.83	30.93	1.103612	0	14.43	85.8
7/17/2010 22:00	15320	1_60	2010	198	2200	1.567742	276.02	16.19203	0.041	4.161	0.368	4.299	29.24	30.75	1.507643	0	14.98	84.9
7/17/2010 23:00	15321	1_60	2010	198	2300	1.909695	175.8528	19.52644	-0.136	2.157	1.061	3.595	24.9	28.86	3.957076	0	20.1	77.56
7/18/2010 0:00	15322	1_60	2010	199	0	1.78685	124.6941	19.23231	0.047	2.064	0.218	2.601	23.16	26.44	3.275589	0	22.41	74.17
7/18/2010 1:00	15323	1_60	2010	199	100	2.362076	133.7595	20.77344	0.665	5.264	3.444	7.844	24.03	26.62	2.584679	0	22.79	75.45
7/18/2010 2:00	15324	1_60	2010	199	200	4.093503	135.8615	10.46632	5.639	14.31	18.66	15.22	25.21	25.75	0.5342163	0	21.08	77.42
7/18/2010 3:00	15325	1_60	2010	199	300	3.541263	111.0989	36.5924	5.95	13.41	10.16	15.33	24.53	25.09	0.5613023	0	22.43	76.35
7/18/2010 4:00	15326	1_60	2010	199	400	1.747508	48.57991	58.55029	0.025	5.883	0.071	7.74	21.67	22.98	1.306335	0	26.94	71.37
7/18/2010 5:00	15327	1_60	2010	199	500	2.264311	140.953	15.19429	0.018	2.786	4.84	7.799	19.22	22.06	2.834491	0	30.21	67.23
7/18/2010 6:00	15328	1_60	2010	199	600	2.348194	130.2353	8.482507	0.658	3.732	7.687	10.64	19.33	21.71	2.383882	0	31.12	67.14
7/18/2010 7:00	15329	1_60	2010	199	700	1.668975	328.3819	39.19752	0.93	7.379	1.016	7.257	21.42	21.61	0.1921103	0	28.57	71.01
7/18/2010 8:00	15330	1_60	2010	199	800	0.9994491	94.46925	22.27897	1.613	8.39	2.645	10.81	24.37	24.17	-0.2017609	0	24.52	76.56
7/18/2010 9:00	15331	1_60	2010	199	900	1.46227	74.18723	27.5625	2.058	15.78	0.155	17.51	26.69	26.41	-0.2770233	0	20.58	80.8
7/18/2010 10:00	15332	1_60	2010	199	1000	1.346726	356.5405	46.98901	0.436	27.84	-3.425	27.7	29.02	28.5	-0.5132474	0	17.51	85.9
7/18/2010 11:00	15333	1_60	2010	199	1100	1.661205	317.4002	50.66933	-0.963	36.14	-5.626	34.31	31.93	31.25	-0.6860503	0	14.64	90.8
7/18/2010 12:00	15334	1_60	2010	199	1200	3.006743	272.8029	46.98548	2.065	42.73	4.746	45.04	34.2	33.06	-1.131282	0	13.54	94
7/18/2010 13:00	15335	1_60	2010	199	1300	2.54427	262.3165	46.5267	6.086	38.9	9.06	39.58	35.4	34.16	-1.23236	0	12.71	96.3
7/18/2010 14:00	15336	1_60	2010	199	1400	3.971059	325.867	35.3214	7.6	37.95	-2.33	41.21	35.78	34.65	-1.130458	0	12.46	96.6
7/18/2010 15:00	15337	1_60	2010	199	1500	2.956503	331.8235	45.18863	7.311	33.29	0.684	34.92	35.39	34.78	-0.6076005	0	12.67	96.2
7/18/2010 16:00	15338	1_60	2010	199	1600	4.802773	325.0434	25.76784	7.361	37.97	-3.335	42.79	36.9	35.84	-1.06021	0	11.85	98.7
7/18/2010 17:00	15339	1_60	2010	199	1700	4.207262	327.9645	25.04045	9.02	29	-0.55	30.7	36.33	35.74	-0.5864288	0	11.69	97.6
7/18/2010 18:00	15340	1_60	2010	199	1800	3.439313	332.4092	21.04306	5.049	25.07	-4.937	26.55	36.07	35.65	-0.417538	0	11.75	97.4
7/18/2010 19:00	15341	1_60	2010	199	1900	4.80115	324.867	16.69785	8.72	25.71	0.543	27.6	35.83	35.59	-0.2405162	0	11.19	97
7/18/2010 20:00	15342	1_60	2010	199	2000	4.430158	303.5328	5.40996	4.709	15.35	2.643	15.7	31.88	32.72	0.8320355	0	13.21	89.8
7/18/2010 21:00	15343	1_60	2010	199	2100	3.44452	310.5756	31.35477	1.852	9.1	0.72	8.43	28.19	30.31	2.123614	0	16.14	83
7/18/2010 22:00	15344	1_60	2010	199	2200	2.078546	140.9038	19.62716	-0.021	9.52	4.078	12.32	26.15	28.77	2.612849	0	18.25	79.78
7/18/2010 23:00	15345	1_60	2010	199	2300	2.493552	122.1129	28.00771	0.854	5.654	1.274	6.161	24.29	26.68	2.382379	0	20.75	76.23

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/16/2010 0:00	15274	1_60	2010	197	0	24.73	0.042	5.697	3.925	94.2	2312	13.09
7/16/2010 1:00	15275	1_60	2010	197	100	24.74	0.047	5.687	4.506	91.8	11	13.12
7/16/2010 2:00	15276	1_60	2010	197	200	24.73	0.038	5.676	4.471	112.7	151	13.14
7/16/2010 3:00	15277	1_60	2010	197	300	24.73	0.061	5.667	5.769	111.7	256	13.16
7/16/2010 4:00	15278	1_60	2010	197	400	24.74	0.052	5.661	4.983	127.4	326	13.18
7/16/2010 5:00	15279	1_60	2010	197	500	24.75	0.369	5.657	2.219	271.9	400	13.21
7/16/2010 6:00	15280	1_60	2010	197	600	24.77	42.18	5.651	3.516	85.5	531	13.23
7/16/2010 7:00	15281	1_60	2010	197	700	24.78	227.8	5.648	1.809	95.3	606	13.19
7/16/2010 8:00	15282	1_60	2010	197	800	24.78	433.9	5.648	2.321	6.37	710	13.09
7/16/2010 9:00	15283	1_60	2010	197	900	24.78	635.2	5.646	4.471	322.5	845	13.01
7/16/2010 10:00	15284	1_60	2010	197	1000	24.77	810	5.645	4.779	302.6	939	12.95
7/16/2010 11:00	15285	1_60	2010	197	1100	24.76	945	5.639	5.325	301.1	1001	12.91
7/16/2010 12:00	15286	1_60	2010	197	1200	24.74	1014	5.625	6.349	352.5	1154	12.88
7/16/2010 13:00	15287	1_60	2010	197	1300	24.71	1037	5.596	9.9	3.257	1240	12.86
7/16/2010 14:00	15288	1_60	2010	197	1400	24.69	1001	5.544	10.44	294.8	1349	12.85
7/16/2010 15:00	15289	1_60	2010	197	1500	24.68	905	5.511	7.339	272.3	1404	12.84
7/16/2010 16:00	15290	1_60	2010	197	1600	24.65	693.9	5.454	7.168	322.4	1539	12.84
7/16/2010 17:00	15291	1_60	2010	197	1700	24.64	593.2	5.432	6.997	316.5	1621	12.84
7/16/2010 18:00	15292	1_60	2010	197	1800	24.63	368.1	5.402	8.23	10.11	1758	12.84
7/16/2010 19:00	15293	1_60	2010	197	1900	24.64	156.1	5.367	8.64	349.5	1841	12.86
7/16/2010 20:00	15294	1_60	2010	197	2000	24.66	17.99	5.338	7.817	19.6	1920	12.89
7/16/2010 21:00	15295	1_60	2010	197	2100	24.68	0.035	5.318	5.734	26.69	2000	12.93
7/16/2010 22:00	15296	1_60	2010	197	2200	24.68	0.036	5.306	3.14	134.2	2119	12.97
7/16/2010 23:00	15297	1_60	2010	197	2300	24.68	0.038	5.295	3.379	114.4	2242	13.02
7/17/2010 0:00	15298	1_60	2010	198	0	24.67	0.013	5.279	6.281	126.1	2340	13.06
7/17/2010 1:00	15299	1_60	2010	198	100	24.68	0.043	5.263	4.745	121.1	1	13.08
7/17/2010 2:00	15300	1_60	2010	198	200	24.69	0.033	5.254	2.765	166.5	101	13.12
7/17/2010 3:00	15301	1_60	2010	198	300	24.69	0.053	5.244	5.154	124.7	228	13.16
7/17/2010 4:00	15302	1_60	2010	198	400	24.7	0.023	5.234	5.291	111.7	349	13.19
7/17/2010 5:00	15303	1_60	2010	198	500	24.7	0.31	5.227	4.471	97.7	404	13.2
7/17/2010 6:00	15304	1_60	2010	198	600	24.72	19.01	5.222	4.198	328.3	504	13.21
7/17/2010 7:00	15305	1_60	2010	198	700	24.74	105.3	5.218	3.55	35.44	614	13.21
7/17/2010 8:00	15306	1_60	2010	198	800	24.75	425	5.216	1.946	84	729	13.14
7/17/2010 9:00	15307	1_60	2010	198	900	24.74	621.5	5.215	2.765	338.5	839	13.03
7/17/2010 10:00	15308	1_60	2010	198	1000	24.73	791.8	5.213	3.106	247.7	904	12.96
7/17/2010 11:00	15309	1_60	2010	198	1100	24.71	922	5.206	4.574	303.5	1033	12.91
7/17/2010 12:00	15310	1_60	2010	198	1200	24.69	996	5.197	6.69	276.6	1151	12.88
7/17/2010 13:00	15311	1_60	2010	198	1300	24.66	1012	5.178	5.837	325.6	1246	12.86
7/17/2010 14:00	15312	1_60	2010	198	1400	24.64	980	5.147	7.748	8.85	1338	12.84
7/17/2010 15:00	15313	1_60	2010	198	1500	24.62	866	5.107	9.52	39.62	1426	12.84
7/17/2010 16:00	15314	1_60	2010	198	1600	24.61	691.9	5.072	10.24	330.7	1559	12.83
7/17/2010 17:00	15315	1_60	2010	198	1700	24.6	636.1	5.03	10.1	303.6	1658	12.83
7/17/2010 18:00	15316	1_60	2010	198	1800	24.59	346.2	4.977	11.54	299	1713	12.84
7/17/2010 19:00	15317	1_60	2010	198	1900	24.62	114	4.915	14.78	302.9	1817	12.86
7/17/2010 20:00	15318	1_60	2010	198	2000	24.64	6.374	4.892	7.748	302.9	1938	12.9
7/17/2010 21:00	15319	1_60	2010	198	2100	24.65	0.026	4.874	7.305	309.6	2011	12.94
7/17/2010 22:00	15320	1_60	2010	198	2200	24.66	0.045	4.865	5.393	312.5	2116	12.97
7/17/2010 23:00	15321	1_60	2010	198	2300	24.67	0.031	4.856	3.038	155.6	2229	13
7/18/2010 0:00	15322	1_60	2010	199	0	24.68	0.042	4.845	3.789	93.3	2309	13.03
7/18/2010 1:00	15323	1_60	2010	199	100	24.67	0.021	4.84	5.7	126.3	59	13.05
7/18/2010 2:00	15324	1_60	2010	199	200	24.67	0.021	4.83	6.315	121.4	100	13.05
7/18/2010 3:00	15325	1_60	2010	199	300	24.66	0.044	4.821	6.724	128.9	227	13.04
7/18/2010 4:00	15326	1_60	2010	199	400	24.67	0.02	4.815	3.277	354.5	311	13.06
7/18/2010 5:00	15327	1_60	2010	199	500	24.68	0.242	4.81	4.233	147.1	500	13.09
7/18/2010 6:00	15328	1_60	2010	199	600	24.69	41.31	4.805	5.086	144	503	13.12
7/18/2010 7:00	15329	1_60	2010	199	700	24.71	88.1	4.802	2.935	48.39	615	13.11
7/18/2010 8:00	15330	1_60	2010	199	800	24.71	206	4.799	2.458	111.9	752	13.08
7/18/2010 9:00	15331	1_60	2010	199	900	24.71	293.5	4.797	3.379	92	801	13.03
7/18/2010 10:00	15332	1_60	2010	199	1000	24.7	756.3	4.794	3.413	286	924	12.98
7/18/2010 11:00	15333	1_60	2010	199	1100	24.68	908	4.789	4.54	326.2	1051	12.92
7/18/2010 12:00	15334	1_60	2010	199	1200	24.66	984	4.776	7.987	336.8	1131	12.88
7/18/2010 13:00	15335	1_60	2010	199	1300	24.64	1040	4.752	7.168	273.1	1228	12.86
7/18/2010 14:00	15336	1_60	2010	199	1400	24.62	791	4.716	8.16	273.3	1310	12.85
7/18/2010 15:00	15337	1_60	2010	199	1500	24.59	558.3	4.679	7.987	317.4	1439	12.85
7/18/2010 16:00	15338	1_60	2010	199	1600	24.57	770.7	4.639	9.28	346.7	1529	12.85
7/18/2010 17:00	15339	1_60	2010	199	1700	24.56	323.3	4.606	9.05	292.6	1608	12.85
7/18/2010 18:00	15340	1_60	2010	199	1800	24.55	296.4	4.574	7.68	328.8	1730	12.86
7/18/2010 19:00	15341	1_60	2010	199	1900	24.55	168.1	4.547	9.45	298.4	1839	12.87
7/18/2010 20:00	15342	1_60	2010	199	2000	24.57	13.54	4.515	7.817	306.1	1905	12.89
7/18/2010 21:00	15343	1_60	2010	199	2100	24.59	0.041	4.498	5.291	302.4	2027	12.94
7/18/2010 22:00	15344	1_60	2010	199	2200	24.6	0.032	4.483	3.994	166.3	2111	12.98
7/18/2010 23:00	15345	1_60	2010	199	2300	24.6	0.053	4.469	4.642	92.3	2251	13.02

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/19/2010 0:00	15346	1_60	2010	200	0	2.975063	126.4656	14.99396	1.582	7.055	6.422	9.17	24.16	25.83	1.668985	0	22.43	75.74
7/19/2010 1:00	15347	1_60	2010	200	100	1.236567	157.7779	43.72633	0.259	8.78	1.972	10.08	24.97	26.02	1.052617	0	21.8	77.1
7/19/2010 2:00	15348	1_60	2010	200	200	3.938915	120.6217	12.42612	6.624	13.58	16.36	15.53	24.03	24.79	0.7688402	0	25	75.33
7/19/2010 3:00	15349	1_60	2010	200	300	2.939668	127.9028	10.32852	3.586	8.98	11.84	12.91	22.55	23.68	1.135778	0	27.79	72.91
7/19/2010 4:00	15350	1_60	2010	200	400	2.403884	133.2819	9.53729	0.16	1.554	6.662	7.946	19.79	22.38	2.589768	0	31.15	68.09
7/19/2010 5:00	15351	1_60	2010	200	500	2.553453	125.1034	17.11838	0.382	4.779	7.299	10.92	18.71	20.62	1.911056	0	33.82	66.08
7/19/2010 6:00	15352	1_60	2010	200	600	2.09314	90.04301	11.73587	0.263	2.083	0.66	2.706	17.65	19.11	1.463819	0	36.24	64.2
7/19/2010 7:00	15353	1_60	2010	200	700	0.902484	84.08388	45.84944	0.401	6.861	0.755	7.091	21.55	21.32	-0.2300274	0	29.75	71.97
7/19/2010 8:00	15354	1_60	2010	200	800	1.318086	281.6378	39.78227	2.083	19.11	3.654	20.69	25.55	25.15	-0.4042648	0	23.35	79.66
7/19/2010 9:00	15355	1_60	2010	200	900	1.14773	59.52579	54.96879	0.528	28.57	-5.08	30.14	28.2	27.66	-0.5387326	0	19.52	84.6
7/19/2010 10:00	15356	1_60	2010	200	1000	1.296267	18.79217	62.35958	6.647	33.08	0.46	31.77	31.05	30.45	-0.5950695	0	16.62	89.6
7/19/2010 11:00	15357	1_60	2010	200	1100	2.478616	2.993531	45.18094	2.219	36.91	-5.801	37.61	33.78	32.99	-0.7917936	0	15.22	93.7
7/19/2010 12:00	15358	1_60	2010	200	1200	3.840048	280.7164	35.20233	2.893	41.09	6.216	43.25	35.52	34.58	-0.9341885	0	13.78	96.1
7/19/2010 13:00	15359	1_60	2010	200	1300	4.579824	261.3507	41.62759	6.392	49.59	18.17	52.63	37.09	35.76	-1.322482	0	12.41	98.7
7/19/2010 14:00	15360	1_60	2010	200	1400	5.502449	238.4011	27.06702	1.077	37.81	22.6	43.17	36.31	35.24	-1.07658	0	12.84	97.2
7/19/2010 15:00	15361	1_60	2010	200	1500	6.55859	189.7949	16.38974	8.1	47.18	51.35	51.01	36.4	35.1	-1.305195	0	13.58	97.1
7/19/2010 16:00	15362	1_60	2010	200	1600	5.126894	203.1722	19.63128	6.574	42.78	38.16	47.44	37.37	35.95	-1.421721	0	12.59	98.8
7/19/2010 17:00	15363	1_60	2010	200	1700	3.410019	243.0886	28.52789	1.28	27.24	13.83	30.92	36.23	35.54	-0.6906103	0	12.78	97.4
7/19/2010 18:00	15364	1_60	2010	200	1800	4.711381	212.7641	14.23714	1.377	26.07	28.1	28.25	35.8	35.28	-0.518971	0	12.82	96.4
7/19/2010 19:00	15365	1_60	2010	200	1900	5.557002	260.9814	15.64445	6.156	31.93	26.04	36.7	34.47	34.38	-0.08086672	0	13.12	94.1
7/19/2010 20:00	15366	1_60	2010	200	2000	6.291379	264.0085	8.176894	2.982	30.1	21.57	32.31	32.2	32.48	0.2806744	0	15.8	90
7/19/2010 21:00	15367	1_60	2010	200	2100	1.908905	289.0601	32.75985	-0.307	12.12	-0.218	12.91	31.01	31.73	0.7171091	0	17.02	87.9
7/19/2010 22:00	15368	1_60	2010	200	2200	2.106793	209.336	32.90964	-2.113	12.45	0.563	12.04	30.13	30.88	0.7524346	0	18.05	86.4
7/19/2010 23:00	15369	1_60	2010	200	2300	1.539152	71.46644	62.01274	1.967	14.04	1.005	13.6	28.67	29.52	0.853976	0	20.03	83.6
7/20/2010 0:00	15370	1_60	2010	201	0	1.721791	290.9488	36.74838	-0.099	9.03	-0.35	10.33	29.19	30	0.8062612	0	19.28	84.5
7/20/2010 1:00	15371	1_60	2010	201	100	1.377646	53.98683	58.17649	0.033	8.77	0.231	8.31	28.07	29.33	1.253754	0	20.89	82.7
7/20/2010 2:00	15372	1_60	2010	201	200	2.009394	145.0556	41.23639	1.661	8.07	4.616	9.1	26.83	27.93	1.095753	0	23.15	80.6
7/20/2010 3:00	15373	1_60	2010	201	300	2.651385	111.5421	17.77065	2.432	9.37	5.722	12.06	25.83	26.68	0.8468583	0	26.38	78.68
7/20/2010 4:00	15374	1_60	2010	201	400	1.712038	302.8381	65.0259	0.967	6.557	0.828	8.05	25.45	26.68	1.231195	0	28.47	77.72
7/20/2010 5:00	15375	1_60	2010	201	500	1.896924	132.0972	35.42809	0.588	9.83	1.645	11.35	24.82	26.08	1.257492	0	30.56	76.8
7/20/2010 6:00	15376	1_60	2010	201	600	1.959528	131.7831	26.8199	0.344	3.154	2.444	5.363	23.21	24.25	1.039563	0	33.33	73.95
7/20/2010 7:00	15377	1_60	2010	201	700	2.254354	101.7968	17.26598	2.988	11.54	3.387	12.74	25.64	25.56	-0.08451314	0	29.42	78.69
7/20/2010 8:00	15378	1_60	2010	201	800	1.68991	50.27609	49.41298	5.663	25.68	6.789	27.18	28.22	27.79	-0.4327107	0	26.02	84.2
7/20/2010 9:00	15379	1_60	2010	201	900	2.122287	240.4144	33.64727	-0.317	30.78	6.957	31.77	29.6	28.85	-0.7452033	0	24.77	86.2
7/20/2010 10:00	15380	1_60	2010	201	1000	2.977642	238.0572	40.53868	6.169	32.28	17.46	34.25	31.6	30.47	-1.133332	0	21.89	89.3
7/20/2010 11:00	15381	1_60	2010	201	1100	2.996644	169.441	37.72298	2.055	35.95	13.16	37.93	32.94	31.6	-1.340982	0	20.16	91.3
7/20/2010 12:00	15382	1_60	2010	201	1200	3.530549	216.7369	39.29059	1.9	38.93	16.76	40.57	34.42	32.95	-1.469248	0	17.53	94.2
7/20/2010 13:00	15383	1_60	2010	201	1300	3.777349	236.7943	39.9142	-0.741	40.55	14.92	44.82	34.14	33.2	-0.9359345	0	17.12	93.7
7/20/2010 14:00	15384	1_60	2010	201	1400	4.661893	242.2226	19.29865	1.12	30.6	19.62	31.42	33.52	32.82	-0.7009194	0	18.62	92.3
7/20/2010 15:00	15385	1_60	2010	201	1500	6.767399	307.7128	8.559034	8.9	33.34	-0.21	37.57	32	31.52	-0.4886224	0	21.53	89.5
7/20/2010 16:00	15386	1_60	2010	201	1600	5.051293	315.4554	12.73821	8.04	32.96	-1.236	37.25	33.15	32.19	-0.9643206	0	17.49	91.6
7/20/2010 17:00	15387	1_60	2010	201	1700	3.771097	330.3961	18.1292	8.17	28.97	-3.022	30.15	34.24	33.45	-0.7868394	0	16.63	94.1
7/20/2010 18:00	15388	1_60	2010	201	1800	3.785723	317.012	19.68311	2.63	22.11	-3.721	23.51	33.51	33.24	-0.26909	0	17.81	92.6
7/20/2010 19:00	15389	1_60	2010	201	1900	8.768744	295.2812	12.19093	10.03	43.48	10.68	48.63	30.35	30.27	-0.07605577	0	25.71	86.7
7/20/2010 20:00	15390	1_60	2010	201	2000	5.038806	345.8835	21.55713	4.794	29.43	-1.16	33.61	24.96	24.83	-0.1348209	0	43.55	76.79
7/20/2010 21:00	15391	1_60	2010	201	2100	4.327069	222.2726	37.55408	1.054	31.92	20.7	41.17	22.7	23.25	0.5469263	0.06	56.5	73.27
7/20/2010 22:00	15392	1_60	2010	201	2200	2.896124	195.4373	54.39014	3.054	25.37	8.77	28.26	19.3	19.9	0.5995008	0.07	78.24	66.89
7/20/2010 23:00	15393	1_60	2010	201	2300	1.878327	105.4841	28.91018	1.121	5.611	3.673	9.33	19.05	19.35	0.2907793	0.01	86.9	66.37
7/21/2010 0:00	15394	1_60	2010	202	0	3.701806	133.6043	10.40004	4.947	14.68	16.34	18.34	18.54	18.83	0.2890952	0	88.1	65.45
7/21/2010 1:00	15395	1_60	2010	202	100	1.82055	61.90717	35.52124	0.799	10.02	-0.243	11.57	18.61	18.79	0.17638	0	87.2	65.57
7/21/2010 2:00	15396	1_60	2010	202	200	3.838569	306.648	8.324779	2.253	14.16	-0.01	15.06	17.53	17.63	0.0988246	0	92.3	63.57
7/21/2010 3:00	15397	1_60	2010	202	300	0.6137739	162.4671	16.26752	0.016	0.626	0.004	1.107	17.45	17.72	0.267182	0	92.7	63.34
7/21/2010 4:00	15398	1_60	2010	202	400	1.281246	108.195	14.23082	0.004	0.152	0.023	0.322	17.63	17.72	0.08798561	0	93.1	63.77
7/21/2010 5:00	15399	1_60	2010	202	500	1.546459	113.7054	8.196174	0.081	0.729	0.23	1.031	17.92	18.1	0.1796257	0	92.7	64.17
7/21/2010 6:00	15400	1_60	2010	202	600	1.812051	103.6625	31.34466	0.59	2.912	1.302	4.024	18.14	18.25	0.1130191	0.04	91.3	64.65
7/21/2010 7:00	15401	1_60	2010	202	700	1.164912	107.0121	23.19206	0.047	0.637	0.217	1.446	17.85	17.89	0.04204686	0.21	93.1	64.22
7/21/2010 8:00	15402	1_60	2010	202	800	1.742359	113.5399	16.3441	0.419	2.12	1.164	3.267	17.59	17.52	-0.07464409	0.17	94.6	63.66
7/21/2010 9:00	15403	1_60	2010	202	900	1.183308	201.3878	25.51123	0.107	1.946	1.054	4.065	17.87	17.72	-0.1589201	0.06	93.4	64.11
7/21/2010 10:00	15404	1_60	2010	202	1000	2.911736	111.5101	12.88419	3.709	11.06	5.298	11.15	18.55	18.43	-0.1115138	0.01	89.2	65.46
7/21/2010 11:00	15405	1_60	2010	202	1100	2.576662	125.0096	7.658083	2.662	8.43	6.241	9.7	18.67	18.55	-0.1234438	0.01	88.4	65.7
7/21/2010 12:00	15406	1_60	2010	202	1200	3.318801	127.0466	11.20308	7.062	19.06	13.48	20.95	19.9	19.4	-0.4963895	0.01	84.2	67.81
7/21/2010 13:00	15407	1_60	2010	202	1300	1.296577	103.7922	68.0152	-4.587	34.73	-5.443	36.3	22.31	21.67	-0.6373857	0	66.48	73.15
7/21/2010 14:00	15408	1_60	2010	202	1400	2.335736	310.4203	25.9024	-0.09	33.8	-3.844	33.76	23.77	23.07	-0.7074516	0	64.39	75.69
7/21/2010 15:00	15409	1_60	2010	202	1500	4.076721	301.4461	14.98063	5.519	28.83	3.18	29.58	23.9	23.4	-0.4931433	0	66.45	75.34
7/21/2010 16:00	15410	1_60	2010	202	1600	5.467906	290.8007	10.18988	4.92	25.62	7.862	27.53	22.24	22.28	0.03867012	0	71.95	72.05
7/21/2010 17:00	15411	1_60	2010	202	1700	2.209588	96.39029	29.88439	5.754	15.75	6.233	16.82	22.28	22.09	-0.1869635	0	73.56	72.26
7/21/2010 18:00	15412	1_60	2010	202	1800	4.436898	130.2002	15.78154	11.39	23.82	24.28	25.37	23.26	22.92	-0.3476993	0	62.05	73.85
7/21/2010 19:00	15413	1_60	2010	202	1900	5.614206	120.0725	9.121579	13.18	26.36	25.17	28.01	22.52	22.33	-0.1947165	0	61.45	72.63
7/21/2010 20:00	15414	1_60	2010	202	2000	3.540946	124.3381	9.138104	6.754	14.75	14.45	15.9	20.45	20.76	0.3164826	0	68.41	68.99
7/21/2010 21:00	15415	1_60	2010	202	2100	1.180781	142.1045	40.62775	0.244	3.672	0.251	2.717	19.07	19.57	0.5015819	0	77	66.47
7/21/2010 22:00	15416	1_60	2010	202	2200	1.473592	104.7069	19.94083	0.079	0.791	0.093	0.619	17.81	18.65	0.8318391	0	85.1	64.25
7/21/2010 23:00	15417	1_60	2010	202	2300	1.194975	72.65028	34.88802	-0.011	0.311	-0.007	0.226	17.16	18.1	0.9382856	0	89.2	63.02

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/19/2010 0:00	15346	1_60	2010	200	0	24.6	0.031	4.455	5.291	102.5	2303	13.04
7/19/2010 1:00	15347	1_60	2010	200	100	24.61	0.028	4.448	3.277	93.7	23	13.05
7/19/2010 2:00	15348	1_60	2010	200	200	24.6	0.034	4.441	6.315	129.1	117	13.05
7/19/2010 3:00	15349	1_60	2010	200	300	24.6	0.029	4.432	5.734	123.3	217	13.06
7/19/2010 4:00	15350	1_60	2010	200	400	24.61	0.052	4.427	3.721	135.1	325	13.09
7/19/2010 5:00	15351	1_60	2010	200	500	24.62	0.262	4.42	4.233	157	426	13.12
7/19/2010 6:00	15352	1_60	2010	200	600	24.64	35.26	4.415	3.482	58.4	534	13.15
7/19/2010 7:00	15353	1_60	2010	200	700	24.65	205	4.412	1.673	43.35	631	13.13
7/19/2010 8:00	15354	1_60	2010	200	800	24.66	402.1	4.41	3.413	300.5	722	13.05
7/19/2010 9:00	15355	1_60	2010	200	900	24.65	599.9	4.409	3.857	62.34	857	12.97
7/19/2010 10:00	15356	1_60	2010	200	1000	24.63	778.2	4.407	4.506	36.19	959	12.92
7/19/2010 11:00	15357	1_60	2010	200	1100	24.61	878	4.397	6.588	8.06	1056	12.89
7/19/2010 12:00	15358	1_60	2010	200	1200	24.59	673.1	4.376	8.84	244.8	1139	12.87
7/19/2010 13:00	15359	1_60	2010	200	1300	24.57	962	4.341	10.89	289.5	1244	12.85
7/19/2010 14:00	15360	1_60	2010	200	1400	24.57	544.4	4.305	11.57	227.2	1346	12.85
7/19/2010 15:00	15361	1_60	2010	200	1500	24.55	617.1	4.274	11.64	184.7	1450	12.85
7/19/2010 16:00	15362	1_60	2010	200	1600	24.53	697.7 BA		9.35	214.9	1522	12.83
7/19/2010 17:00	15363	1_60	2010	200	1700	24.52	266.4 BA		7.339	254.4	1637	12.82
7/19/2010 18:00	15364	1_60	2010	200	1800	24.52	213.7	8	9.08	202.3	1731	12.86
7/19/2010 19:00	15365	1_60	2010	200	1900	24.53	76.56	7.995	12.94	265.5	1858	12.88
7/19/2010 20:00	15366	1_60	2010	200	2000	24.54	8.42	7.962	14.17	262.6	1903	12.91
7/19/2010 21:00	15367	1_60	2010	200	2100	24.56	0.029	7.946	4.574	319.8	2005	12.93
7/19/2010 22:00	15368	1_60	2010	200	2200	24.56	0.034	7.935	3.959	232.4	2121	12.95
7/19/2010 23:00	15369	1_60	2010	200	2300	24.57	0.053	7.923	3.686	86.9	2207	12.97
7/20/2010 0:00	15370	1_60	2010	201	0	24.58	0.054	7.911	4.983	282.9	2324	12.98
7/20/2010 1:00	15371	1_60	2010	201	100	24.58	0.049	7.902	3.209	189.6	58	12.99
7/20/2010 2:00	15372	1_60	2010	201	200	24.59	0.05	7.892	5.12	94.8	153	13
7/20/2010 3:00	15373	1_60	2010	201	300	24.59	0.062	7.881	4.642	91.9	239	13.01
7/20/2010 4:00	15374	1_60	2010	201	400	24.6	0.056	7.871	4.676	280	352	13.03
7/20/2010 5:00	15375	1_60	2010	201	500	24.62	0.167	7.865	4.233	294.6	407	13.04
7/20/2010 6:00	15376	1_60	2010	201	600	24.63	37.78	7.859	4.13	118.8	546	13.05
7/20/2010 7:00	15377	1_60	2010	201	700	24.64	181.9	7.852	4.642	107.1	642	13.04
7/20/2010 8:00	15378	1_60	2010	201	800	24.65	396.8	7.847	4.881	236.6	754	13
7/20/2010 9:00	15379	1_60	2010	201	900	24.65	589.4	7.841	5.291	224	802	12.95
7/20/2010 10:00	15380	1_60	2010	201	1000	24.64	759.1	7.83	6.588	258	949	12.91
7/20/2010 11:00	15381	1_60	2010	201	1100	24.63	852	7.815	7.475	165.4	1049	12.89
7/20/2010 12:00	15382	1_60	2010	201	1200	24.61	923	7.789	9.25	235.9	1126	12.87
7/20/2010 13:00	15383	1_60	2010	201	1300	24.59	455.7	7.757	8.53	239.9	1243	12.86
7/20/2010 14:00	15384	1_60	2010	201	1400	24.58	290	7.723	9.63	261.3	1313	12.88
7/20/2010 15:00	15385	1_60	2010	201	1500	24.58	240.6	7.68	10.65	310.8	1425	12.89
7/20/2010 16:00	15386	1_60	2010	201	1600	24.55	670.5	7.643	8.29	307.8	1501	12.9
7/20/2010 17:00	15387	1_60	2010	201	1700	24.53	466.8	7.614	6.451	352.6	1640	12.88
7/20/2010 18:00	15388	1_60	2010	201	1800	24.52	152.7	7.582	6.519	323.2	1716	12.89
7/20/2010 19:00	15389	1_60	2010	201	1900	24.58	25.66	7.529	21.5	308.2	1844	12.91
7/20/2010 20:00	15390	1_60	2010	201	2000	24.61	2.235	7.493	14.37	294.3	1900	12.96
7/20/2010 21:00	15391	1_60	2010	201	2100	24.7	0.072 AQ		11.61	226.8	2054	13
7/20/2010 22:00	15392	1_60	2010	201	2200	24.73	0.055 AQ		11.37	253.7	2102	13.07
7/20/2010 23:00	15393	1_60	2010	201	2300	24.69	0.065 AQ		4.096	120.1	2252	13.11
7/21/2010 0:00	15394	1_60	2010	202	0	24.69	0.068	7.534	7.817	137.3	2306	13.13
7/21/2010 1:00	15395	1_60	2010	202	100	24.67	0.066	7.534	7.885	309.7	59	13.13
7/21/2010 2:00	15396	1_60	2010	202	200	24.67	0.067	7.534	7.475	318.8	100	13.14
7/21/2010 3:00	15397	1_60	2010	202	300	24.67	0.063	7.534	2.526	284	201	13.15
7/21/2010 4:00	15398	1_60	2010	202	400	24.66	0.062	7.534	1.98	98.3	354	13.15
7/21/2010 5:00	15399	1_60	2010	202	500	24.68	0.095	7.534	2.628	119.2	453	13.15
7/21/2010 6:00	15400	1_60	2010	202	600	24.7	3.207 AQ		3.925	104.8	509	13.15
7/21/2010 7:00	15401	1_60	2010	202	700	24.73	9 AQ		2.697	118.8	611	13.15
7/21/2010 8:00	15402	1_60	2010	202	800	24.74	18.07 AQ		2.628	94.7	719	13.15
7/21/2010 9:00	15403	1_60	2010	202	900	24.73	98.8 AQ		3.311	131.8	859	13.13
7/21/2010 10:00	15404	1_60	2010	202	1000	24.74	125.4 AQ		4.267	89.9	936	13.13
7/21/2010 11:00	15405	1_60	2010	202	1100	24.73	151 AQ		4.301	130.1	1017	13.14
7/21/2010 12:00	15406	1_60	2010	202	1200	24.71	558.5	8.02	6.383	122.1	1133	13.13
7/21/2010 13:00	15407	1_60	2010	202	1300	24.68	948	8.02	4.13	110.6	1201	13.07
7/21/2010 14:00	15408	1_60	2010	202	1400	24.64	951	8.02	6.007	291	1345	13.01
7/21/2010 15:00	15409	1_60	2010	202	1500	24.63	414.3	8.02	7.27	270.6	1424	12.99
7/21/2010 16:00	15410	1_60	2010	202	1600	24.63	25.08	8.02	8.67	278.7	1553	13.02
7/21/2010 17:00	15411	1_60	2010	202	1700	24.63	176.3	8.02	5.905	275.5	1600	13.05
7/21/2010 18:00	15412	1_60	2010	202	1800	24.62	236.3	8.02	8.36	115.1	1749	13.05
7/21/2010 19:00	15413	1_60	2010	202	1900	24.62	159	8.01	8.33	116.1	1844	13.04
7/21/2010 20:00	15414	1_60	2010	202	2000	24.63	11.95	7.996	5.871	113.9	1901	13.06
7/21/2010 21:00	15415	1_60	2010	202	2100	24.65	0.054	7.989	2.731	126.2	2036	13.1
7/21/2010 22:00	15416	1_60	2010	202	2200	24.64	0.062	7.985	2.697	122.1	2148	13.13
7/21/2010 23:00	15417	1_60	2010	202	2300	24.65	0.063	7.981	2.56	139.2	2200	13.15

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/22/2010 0:00	15418	1_60	2010	203	0	1.419976	140.0625	38.85332	0.091	1.825	1.049	3.548	16.76	18	1.239578	0	90.9	62.2
7/22/2010 1:00	15419	1_60	2010	203	100	1.678673	97.74593	30.72353	0.684	3.084	1.408	3.842	16.84	17.54	0.6981496	0	89.1	62.36
7/22/2010 2:00	15420	1_60	2010	203	200	1.604859	332.127	18.8474	-0.035	0.9	-0.035	0.526	16.48	16.95	0.4676678	0.02	92.1	61.7
7/22/2010 3:00	15421	1_60	2010	203	300	1.757854	143.5269	32.7467	-1.365	9.44	0.811	9.39	16.75	17.05	0.2979206	0	92.4	62.23
7/22/2010 4:00	15422	1_60	2010	203	400	2.063119	124.794	33.80591	2.388	8.1	3.062	8.82	16.96	17.21	0.2507168	0.09	92.9	62.54
7/22/2010 5:00	15423	1_60	2010	203	500	1.025219	319.3677	55.29647	-0.543	7.867	0.03	8.09	16.89	17.46	0.5683672	0	88.2	62.35
7/22/2010 6:00	15424	1_60	2010	203	600	1.342032	153.4251	37.48693	-0.41	3.268	0.341	3.464	16.17	16.81	0.6381677	0	90.9	61.3
7/22/2010 7:00	15425	1_60	2010	203	700	1.015325	318.5768	40.61428	0.026	2.757	-0.03	2.763	16.73	16.69	-0.04600601	0	90.6	62.7
7/22/2010 8:00	15426	1_60	2010	203	800	0.8307442	293.619	20.95411	1.296	6.181	1.247	5.552	17.95	17.73	-0.2207353	0	85.4	65.29
7/22/2010 9:00	15427	1_60	2010	203	900	0.5157253	348.3602	50.81538	1.607	8.87	1.23	9.78	19.16	18.89	-0.2770909	0	75.88	67.9
7/22/2010 10:00	15428	1_60	2010	203	1000	0.7959871	144.5176	55.06686	2.843	30.45	5.214	30.34	21.58	20.88	-0.7004907	0	65.91	72.26
7/22/2010 11:00	15429	1_60	2010	203	1100	1.247655	294.3443	40.42914	1.752	21.76	0.467	19.34	22.85	22.48	-0.3715618	0	59.62	74.29
7/22/2010 12:00	15430	1_60	2010	203	1200	1.805647	318.7515	42.92532	0.483	28.16	-1.717	25.96	24.46	23.85	-0.6171236	0	54.55	77.22
7/22/2010 13:00	15431	1_60	2010	203	1300	1.454018	346.2588	56.8653	0.893	35.53	-2.625	33.4	26.11	25.51	-0.5978713	0	45.88	80.5
7/22/2010 14:00	15432	1_60	2010	203	1400	2.1872	192.9801	49.46058	-1.582	31.85	5.47	33.47	27.61	26.75	-0.8585034	0	37.91	82.5
7/22/2010 15:00	15433	1_60	2010	203	1500	1.682599	122.7687	53.6428	-4.461	41.52	-1.768	41.76	28.16	27.44	-0.7252817	0	34.05	83.6
7/22/2010 16:00	15434	1_60	2010	203	1600	1.721908	174.2343	46.10825	-0.649	28.74	2.557	29.19	28.38	27.84	-0.5360978	0	33.5	83.8
7/22/2010 17:00	15435	1_60	2010	203	1700	1.531932	237.4841	63.47407	0.738	29.83	4.191	31.22	29.41	28.73	-0.6753265	0	28.93	86.6
7/22/2010 18:00	15436	1_60	2010	203	1800	2.072083	281.7368	19.38871	2.68	13.92	4.727	14.8	28.37	28.39	0.02162545	0	32.32	83.9
7/22/2010 19:00	15437	1_60	2010	203	1900	5.290937	245.536	10.45741	4.626	26.72	27.44	29.05	26.57	26.8	0.2299753	0	37.63	79.91
7/22/2010 20:00	15438	1_60	2010	203	2000	2.554643	320.1332	19.00022	3.954	11.69	3.901	13.68	24.84	25.23	0.3860777	0	44.34	76.87
7/22/2010 21:00	15439	1_60	2010	203	2100	2.053459	240.925	41.20069	0.232	7.59	2.303	8.35	24.22	25.01	0.7877461	0	44.83	75.61
7/22/2010 22:00	15440	1_60	2010	203	2200	1.039553	191.5221	44.08639	0.326	7.431	1.6	8.97	23.45	24.04	0.5844588	0	46.72	74.4
7/22/2010 23:00	15441	1_60	2010	203	2300	2.006265	123.6273	18.74522	0.347	2.11	1.712	4.009	20.94	21.99	1.055426	0	59.67	70.07
7/23/2010 0:00	15442	1_60	2010	204	0	2.452549	109.1458	16.94958	0.993	5.249	0.692	5.064	19.74	21.19	1.449831	0	63	67.62
7/23/2010 1:00	15443	1_60	2010	204	100	1.786681	169.0355	41.63498	1.052	9.54	4.706	11.3	20.39	21.83	1.445104	0	56.86	68.77
7/23/2010 2:00	15444	1_60	2010	204	200	1.218299	7.467274	48.0674	-0.375	8.3	-1.1	8.43	19.12	20.42	1.299895	0	62.71	66.67
7/23/2010 3:00	15445	1_60	2010	204	300	0.9336305	25.83236	48.37581	-0.182	4.303	-0.348	3.967	18.53	19.53	0.9991987	0	65.62	65.18
7/23/2010 4:00	15446	1_60	2010	204	400	1.872772	136.7521	17.13485	0.377	3.491	1.216	4.693	17.81	19.16	1.357231	0	70.02	64.3
7/23/2010 5:00	15447	1_60	2010	204	500	1.583748	119.2005	20.33487	0.244	2.065	0.375	2.154	16.5	18.07	1.569389	0	77.89	62
7/23/2010 6:00	15448	1_60	2010	204	600	1.785682	107.5302	19.69386	0.306	3.458	0.084	3.168	16.42	17.19	0.7679585	0	80.4	61.73
7/23/2010 7:00	15449	1_60	2010	204	700	0.7499632	138.4383	32.05559	0.3	15.03	1.482	14.39	19.47	19.17	-0.3038309	0	65.76	68.41
7/23/2010 8:00	15450	1_60	2010	204	800	1.008494	331.3589	46.61291	2.772	16.99	1.22	15.6	21.27	21.04	-0.2300103	0	57.62	72.3
7/23/2010 9:00	15451	1_60	2010	204	900	1.057589	267.0134	62.32308	2.165	23.79	3.484	23.28	23.2	22.77	-0.4365406	0	49.54	75.55
7/23/2010 10:00	15452	1_60	2010	204	1000	1.442015	58.65097	52.53144	3.792	30.68	-0.013	30.59	25.2	24.54	-0.6507233	0	40.7	79.26
7/23/2010 11:00	15453	1_60	2010	204	1100	2.064321	327.1448	42.77538	-0.156	33.49	-3.026	34.58	26.35	25.69	-0.6541707	0	38.73	80.5
7/23/2010 12:00	15454	1_60	2010	204	1200	1.861878	306.0623	56.15246	3.18	34.75	1.103	35.73	27.64	26.91	-0.729649	0	34.18	83.1
7/23/2010 13:00	15455	1_60	2010	204	1300	1.830137	261.4782	61.31831	5.449	33.47	9.8	33.79	29.03	28.24	-0.7839611	0	29.59	85.2
7/23/2010 14:00	15456	1_60	2010	204	1400	2.090803	284.0579	47.75587	4.048	32.36	4.475	34.34	30.36	29.62	-0.7339695	0	23.48	87.7
7/23/2010 15:00	15457	1_60	2010	204	1500	2.78211	309.27	41.12354	3.471	24.79	-0.981	26.98	30.68	30.23	-0.45456	0	21.64	87.8
7/23/2010 16:00	15458	1_60	2010	204	1600	4.094143	58.83447	16.64608	9.89	32.66	-2.709	34.45	30.61	30.1	-0.5165914	0	19.95	87.4
7/23/2010 17:00	15459	1_60	2010	204	1700	1.437267	68.51496	27.7236	1.167	15.28	-0.502	15.81	30.39	30.27	-0.1171508	0	19.81	87.2
7/23/2010 18:00	15460	1_60	2010	204	1800	1.842594	320.492	15.41452	0.584	7.809	-2.01	8.58	30	29.95	-0.04659226	0	21.66	86.5
7/23/2010 19:00	15461	1_60	2010	204	1900	2.907954	302.7747	8.363316	2.733	12.05	2.091	12.89	29.68	29.53	-0.1551797	0	24.64	86.1
7/23/2010 20:00	15462	1_60	2010	204	2000	1.748024	282.7175	13.8366	0.023	0.756	0.061	0.804	27.06	28.23	1.17556	0	31.27	81
7/23/2010 21:00	15463	1_60	2010	204	2100	1.147989	143.9929	27.12741	-0.017	0.843	0.018	0.818	23.61	25.53	1.925506	0	40.61	75.01
7/23/2010 22:00	15464	1_60	2010	204	2200	0.7537753	63.73946	40.53524	0.045	1.067	-0.009	0.922	22.28	24.14	1.859614	0	46.46	72.01
7/23/2010 23:00	15465	1_60	2010	204	2300	1.932817	157.0148	26.6208	0.295	3.233	3.001	6.896	20.79	23.09	2.306345	0	51.05	70.01
7/24/2010 0:00	15466	1_60	2010	205	0	1.817193	89.87833	26.51819	1.108	4.673	0.837	4.555	20.04	21.83	1.788781	0	54.94	68.2
7/24/2010 1:00	15467	1_60	2010	205	100	0.8123385	135.7369	42.95288	0.644	5.572	1.153	5.928	20.61	21.54	0.9262897	0	50.94	68.98
7/24/2010 2:00	15468	1_60	2010	205	200	1.911946	279.0981	44.60231	0.581	6.308	4.002	9.26	20.11	21.61	1.501739	0	51.86	68.55
7/24/2010 3:00	15469	1_60	2010	205	300	2.4748	122.0372	12.14177	2.665	9.12	5.246	10.67	17.67	19.09	1.42324	0	62.87	64.07
7/24/2010 4:00	15470	1_60	2010	205	400	4.32015	126.6274	4.854587	5.557	10.98	17.37	11.48	18.28	19.33	1.057543	0	54.67	65.06
7/24/2010 5:00	15471	1_60	2010	205	500	3.540069	117.8837	8.430221	4.982	9.78	11.03	11.47	17.36	18.26	0.9009364	0	57.14	63.53
7/24/2010 6:00	15472	1_60	2010	205	600	1.308951	87.92403	42.11188	0.131	1.925	0.241	2.18	14.64	15.66	1.023891	0	71.79	58.78
7/24/2010 7:00	15473	1_60	2010	205	700	1.992844	108.2984	30.98216	3.574	12.68	4.663	13.88	18.65	18.46	-0.1944102	0	56.38	66.07
7/24/2010 8:00	15474	1_60	2010	205	800	1.889248	92.41473	38.06116	8.17	23.45	7.757	24.73	21.92	21.52	-0.4069298	0	39.7	72.74
7/24/2010 9:00	15475	1_60	2010	205	900	1.704953	302.4162	29.26953	-2.455	25.91	-4.889	26.14	23.69	23.27	-0.4224647	0	35.84	76.28
7/24/2010 10:00	15476	1_60	2010	205	1000	2.279161	296.1737	26.77532	0.907	29.02	0.919	30.31	25.57	24.94	-0.6293926	0	33.16	78.94
7/24/2010 11:00	15477	1_60	2010	205	1100	2.152868	300.7027	34.56176	2.918	32.55	1.775	33.36	27.75	26.98	-0.772709	0	28.22	83
7/24/2010 12:00	15478	1_60	2010	205	1200	2.55097	295.1119	29.76342	4.439	38.04	3.885	38.18	30.28	29.41	-0.8656354	0	23.86	87.4
7/24/2010 13:00	15479	1_60	2010	205	1300	2.893019	296.1996	34.21186	4.648	34.26	3.879	35.54	32.57	31.62	-0.954734	0	18.23	91.4
7/24/2010 14:00	15480	1_60	2010	205	1400	2.890598	238.6833	34.31472	1.194	39.48	11.13	42.44	34.47	33.21	-1.257638	0	13.41	94.7
7/24/2010 15:00	15481	1_60	2010	205	1500	4.666355	61.65062	42.86993	10.88	41.14	1.645	45.44	33.45	32.83	-0.6214064	0	13.52	92.9
7/24/2010 16:00	15482	1_60	2010	205	1600	7.527768	202.0635	45.03477	7.95	46.62	36.56	54.19	28.35	28.62	0.2699106	0	25.58	83.3
7/24/2010 17:00	15483	1_60	2010	205	1700	5.945697	195.5289	14.23453	3.351	34.56	41.03	37.87	28.1	27.86	-0.24107	0	27.34	82.5
7/24/2010 18:00	15484	1_60	2010	205	1800	1.604149	5.28534	60.93847	1.254	27.79	0.562	28.77	27.9	27.81	-0.08215892	0	26.54	82.5
7/24/2010 19:00	15485	1_60	2010	205	1900	2.660628	128.2991	27.74529	1.86	14.11	9.09	17.4	27.08	27.38	0.296208	0	27.48	80.9
7/24/2010 20:00	15486	1_60	2010	205	2000	3.419186	128.4545	13.32743	4.412	15.03	12.09	19.63	26.32	26.78	0.4612692	0	28.39	79.55
7/24/2010 21:00	15487	1_60	2010	205	2100	1.623037	209.379	24.01364	0.198	12.16	5.523	14.57	25.21	25.74	0.5310875	0	32.03	77.49
7/24/2010 22:00	15488	1_60	2010	205	2200	3.858102	256.7798	12.77795	1.202	13.64	11.96	15.51	24.01	24.58	0.5661237	0	37.69	75.38
7/24/2010 23:00	15489	1_60	2010	205	2300	2.423859	290.2596	24.79674	1.785	11.6	3.561	13.84	22.86	23.34	0.486701	0	43.13	73.29

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/22/2010 0:00	15418	1_60	2010	203	0	24.65	0.06	7.978	2.901	156	2316	13.17
7/22/2010 1:00	15419	1_60	2010	203	100	24.65	0.054	7.976	3.618	121.5	46	13.17
7/22/2010 2:00	15420	1_60	2010	203	200	24.64	0.052	AQ	2.662	38.05	147	13.18
7/22/2010 3:00	15421	1_60	2010	203	300	24.66	0.04	7.977	3.277	52.34	255	13.18
7/22/2010 4:00	15422	1_60	2010	203	400	24.66	0.06	AQ	4.471	81.7	315	13.17
7/22/2010 5:00	15423	1_60	2010	203	500	24.68	0.176	8.01	3.379	303.9	410	13.18
7/22/2010 6:00	15424	1_60	2010	203	600	24.69	17.6	8.01	2.321	159.7	511	13.18
7/22/2010 7:00	15425	1_60	2010	203	700	24.7	111.6	8.01	2.492	322.5	608	13.18
7/22/2010 8:00	15426	1_60	2010	203	800	24.71	202.8	8.01	1.843	256.8	724	13.15
7/22/2010 9:00	15427	1_60	2010	203	900	24.71	297.2	8.01	1.434	17.9	849	13.11
7/22/2010 10:00	15428	1_60	2010	203	1000	24.7	698.9	8.01	2.15	158.7	956	13.07
7/22/2010 11:00	15429	1_60	2010	203	1100	24.69	414.6	8.01	4.506	282.5	1037	13.02
7/22/2010 12:00	15430	1_60	2010	203	1200	24.68	764.6	8.01	4.198	285.1	1152	13
7/22/2010 13:00	15431	1_60	2010	203	1300	24.66	753.4	8.01	4.506	36.09	1258	12.96
7/22/2010 14:00	15432	1_60	2010	203	1400	24.63	839	8.01	5.222	167.3	1315	12.94
7/22/2010 15:00	15433	1_60	2010	203	1500	24.61	639.3	8.01	5.222	118.3	1427	12.92
7/22/2010 16:00	15434	1_60	2010	203	1600	24.59	453.9	7.991	4.471	225.3	1552	12.92
7/22/2010 17:00	15435	1_60	2010	203	1700	24.59	531.8	7.971	6.246	200	1612	12.92
7/22/2010 18:00	15436	1_60	2010	203	1800	24.58	113.9	7.953	4.198	253	1723	12.92
7/22/2010 19:00	15437	1_60	2010	203	1900	24.58	24.92	7.93	10.85	234.8	1825	12.95
7/22/2010 20:00	15438	1_60	2010	203	2000	24.59	6.169	7.908	6.144	248.7	1900	12.99
7/22/2010 21:00	15439	1_60	2010	203	2100	24.6	0.062	7.894	4.915	303.5	2000	13.01
7/22/2010 22:00	15440	1_60	2010	203	2200	24.62	0.043	7.884	3.174	309.2	2100	13.04
7/22/2010 23:00	15441	1_60	2010	203	2300	24.63	0.038	7.876	3.789	123.6	2252	13.06
7/23/2010 0:00	15442	1_60	2010	204	0	24.64	0.059	7.867	4.574	94.6	2353	13.1
7/23/2010 1:00	15443	1_60	2010	204	100	24.64	0.053	7.86	4.369	141.8	12	13.11
7/23/2010 2:00	15444	1_60	2010	204	200	24.65	0.062	7.855	2.389	106.2	118	13.13
7/23/2010 3:00	15445	1_60	2010	204	300	24.66	0.065	7.851	2.423	143.1	235	13.14
7/23/2010 4:00	15446	1_60	2010	204	400	24.66	0.065	7.847	3.106	103	356	13.15
7/23/2010 5:00	15447	1_60	2010	204	500	24.67	0.146	7.844	3.004	115.6	401	13.17
7/23/2010 6:00	15448	1_60	2010	204	600	24.68	34.02	7.841	3.106	86.6	545	13.18
7/23/2010 7:00	15449	1_60	2010	204	700	24.69	202.2	7.839	2.15	126.4	601	13.15
7/23/2010 8:00	15450	1_60	2010	204	800	24.69	367.3	7.836	2.423	348.4	736	13.08
7/23/2010 9:00	15451	1_60	2010	204	900	24.68	507.7	7.834	2.765	293.8	829	13.03
7/23/2010 10:00	15452	1_60	2010	204	1000	24.68	838	7.806	4.198	59.99	949	12.98
7/23/2010 11:00	15453	1_60	2010	204	1100	24.67	665.7	7.803	4.471	307.6	1031	12.95
7/23/2010 12:00	15454	1_60	2010	204	1200	24.65	859	7.803	3.959	316.8	1101	12.94
7/23/2010 13:00	15455	1_60	2010	204	1300	24.63	663.9	7.796	4.71	262.7	1245	12.92
7/23/2010 14:00	15456	1_60	2010	204	1400	24.62	736.1	7.776	5.325	327.1	1351	12.9
7/23/2010 15:00	15457	1_60	2010	204	1500	24.6	381.3	7.751	9.8	32.57	1500	12.9
7/23/2010 16:00	15458	1_60	2010	204	1600	24.6	449.7	7.716	10.14	55.31	1500	12.91
7/23/2010 17:00	15459	1_60	2010	204	1700	24.58	164.1	7.694	3.925	58.42	1605	12.92
7/23/2010 18:00	15460	1_60	2010	204	1800	24.59	145.7	7.677	4.13	317.4	1752	12.93
7/23/2010 19:00	15461	1_60	2010	204	1900	24.6	156	7.654	4.642	298	1809	12.94
7/23/2010 20:00	15462	1_60	2010	204	2000	24.61	11.45	7.639	2.765	319.8	1900	12.96
7/23/2010 21:00	15463	1_60	2010	204	2100	24.62	0.058	7.629	2.867	113.7	2015	13
7/23/2010 22:00	15464	1_60	2010	204	2200	24.63	0.03	7.618	1.57	340.1	2150	13.05
7/23/2010 23:00	15465	1_60	2010	204	2300	24.64	0.055	7.608	3.413	128.3	2230	13.08
7/24/2010 0:00	15466	1_60	2010	205	0	24.65	0.058	7.599	3.447	79.85	2329	13.1
7/24/2010 1:00	15467	1_60	2010	205	100	24.66	0.049	7.59	2.185	96.6	1	13.12
7/24/2010 2:00	15468	1_60	2010	205	200	24.67	0.051	7.583	4.13	244.7	118	13.13
7/24/2010 3:00	15469	1_60	2010	205	300	24.67	0.06	7.577	5.564	122.1	257	13.14
7/24/2010 4:00	15470	1_60	2010	205	400	24.68	0.066	7.569	6.349	117.6	347	13.16
7/24/2010 5:00	15471	1_60	2010	205	500	24.68	0.163	7.562	5.632	121.7	401	13.16
7/24/2010 6:00	15472	1_60	2010	205	600	24.69	24.17	7.558	2.355	80.3	531	13.18
7/24/2010 7:00	15473	1_60	2010	205	700	24.7	209.7	7.555	3.891	113.8	637	13.18
7/24/2010 8:00	15474	1_60	2010	205	800	24.7	415.8	7.55	3.857	99.2	703	13.11
7/24/2010 9:00	15475	1_60	2010	205	900	24.69	610.6	7.546	4.233	307.8	845	13.03
7/24/2010 10:00	15476	1_60	2010	205	1000	24.69	746	7.541	4.642	318.8	913	12.98
7/24/2010 11:00	15477	1_60	2010	205	1100	24.67	910	7.532	4.881	301.9	1031	12.95
7/24/2010 12:00	15478	1_60	2010	205	1200	24.65	948	7.519	5.973	326.4	1140	12.92
7/24/2010 13:00	15479	1_60	2010	205	1300	24.62	1019	7.495	6.007	287.9	1207	12.89
7/24/2010 14:00	15480	1_60	2010	205	1400	24.6	1023	7.471	5.939	170	1320	12.87
7/24/2010 15:00	15481	1_60	2010	205	1500	24.61	455.4	7.44	14.34	117	1458	12.85
7/24/2010 16:00	15482	1_60	2010	205	1600	24.6	112.2	7.396	15.33	222.8	1548	12.9
7/24/2010 17:00	15483	1_60	2010	205	1700	24.61	194	7.365	11.67	201	1602	12.95
7/24/2010 18:00	15484	1_60	2010	205	1800	24.63	102.6	7.338	5.291	237.7	1746	12.92
7/24/2010 19:00	15485	1_60	2010	205	1900	24.65	34.5	7.325	5.837	135.5	1852	12.98
7/24/2010 20:00	15486	1_60	2010	205	2000	24.67	16.03	7.307	6.554	161.5	1958	12.99
7/24/2010 21:00	15487	1_60	2010	205	2100	24.68	0.063	7.296	5.564	261.3	2024	13.01
7/24/2010 22:00	15488	1_60	2010	205	2200	24.7	0.063	7.285	6.963	248.1	2146	13.03
7/24/2010 23:00	15489	1_60	2010	205	2300	24.7	0.039	7.274	4.745	297	2224	13.05

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	WSpd_m/s	WDir_Deg	ST	VertWS_EPS_Avg	VertWS_EPS_Std	VertWS_CFT_Avg	VertWS_CFT_Std	Temp2m_Avg	Temp10m_Avg	DeltaT_Avg	Precip_Tot	RH_Avg	RHTemp_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC		in		DegF
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg	Tot	Avg	Avg
7/25/2010 0:00	15490	1_60	2010	206	0	2.7283	277.4584	12.0521	0.986	8.19	4.622	10.33	21.44	22.15	0.7103362	0	49.31	70.73
7/25/2010 1:00	15491	1_60	2010	206	100	2.314318	289.9929	10.60391	0.251	3.348	1.218	4.656	20.59	21.6	1.001535	0	52.14	69.33
7/25/2010 2:00	15492	1_60	2010	206	200	1.771539	300.7014	36.44012	0.044	2.654	0.205	2.624	19.58	20.57	0.9939569	0	56.85	67.4
7/25/2010 3:00	15493	1_60	2010	206	300	1.746299	144.0708	28.19826	-0.016	3.419	0.159	3.517	18.37	19.97	1.603805	0	61.61	65.41
7/25/2010 4:00	15494	1_60	2010	206	400	1.909702	139.8252	12.1885	0.61	5.902	2.407	7.406	17.78	19.28	1.499846	0	63.92	64.31
7/25/2010 5:00	15495	1_60	2010	206	500	1.2214	129.4392	26.20234	0.012	0.372	-0.029	0.746	17.07	18.63	1.559768	0	66.93	63.09
7/25/2010 6:00	15496	1_60	2010	206	600	1.221831	93.34525	35.14812	0.288	2.203	0.362	2.73	16.04	17.02	0.9769919	0	74.4	60.94
7/25/2010 7:00	15497	1_60	2010	206	700	0.690515	210.9928	35.85588	-0.122	5.602	1.086	7.779	18.6	18.67	0.07095417	0	62.44	66.68
7/25/2010 8:00	15498	1_60	2010	206	800	0.4786347	79.90977	32.22698	-0.022	8.03	0.145	8.49	21.25	21.03	-0.219419	0	47.39	72.23
7/25/2010 9:00	15499	1_60	2010	206	900	0.8065398	10.89104	43.29638	2.029	21.85	0.519	21.79	22.69	22.4	-0.2889801	0	44.13	74.67
7/25/2010 10:00	15500	1_60	2010	206	1000	1.692268	326.4221	30.38711	1.072	26.08	-1.89	25.75	24.48	23.99	-0.490352	0	38.48	77.48
7/25/2010 11:00	15501	1_60	2010	206	1100	1.891153	308.8553	56.55429	6.845	33.61	4.819	32.93	26.93	26.21	-0.7236598	0	32.85	81.5
7/25/2010 12:00	15502	1_60	2010	206	1200	2.424479	266.3842	48.97527	-1.774	39.02	2.269	39.27	29.06	28.15	-0.9110423	0	27.3	85.2
7/25/2010 13:00	15503	1_60	2010	206	1300	2.852201	329.1449	35.34543	1.616	34.49	-6.6	35.71	30.49	29.54	-0.95421	0	22.03	87.7
7/25/2010 14:00	15504	1_60	2010	206	1400	2.731175	267.0916	42.98655	2.951	45.5	5.222	47.5	31.88	30.82	-1.059306	0	19.9	89.9
7/25/2010 15:00	15505	1_60	2010	206	1500	2.486325	264.0863	45.78799	1.124	38.42	4.662	39.67	32.56	31.67	-0.8913997	0	18.56	91.3
7/25/2010 16:00	15506	1_60	2010	206	1600	3.306771	301.2194	51.17853	8.12	38.79	4.679	43.29	33.62	32.74	-0.8796817	0	17.15	93.3
7/25/2010 17:00	15507	1_60	2010	206	1700	6.031569	319.6226	20.33442	7.988	31.73	-1.877	35.22	31.73	31.22	-0.5075247	0	20.36	89.2
7/25/2010 18:00	15508	1_60	2010	206	1800	5.478074	308.7561	6.299445	5.206	22.7	-1.146	24.65	29.06	28.89	-0.1733718	0	25.86	84.3
7/25/2010 19:00	15509	1_60	2010	206	1900	2.540656	298.9869	9.814917	1.869	10.82	0.519	10.47	28.61	28.63	0.02414747	0	27.72	83.8
7/25/2010 20:00	15510	1_60	2010	206	2000	2.00476	197.7545	31.76789	-1.515	16.25	6.604	19.98	28.46	28.7	0.2411593	0	28.4	83.8
7/25/2010 21:00	15511	1_60	2010	206	2100	3.347475	151.7095	33.27986	7.515	39.93	17.81	40.29	26.97	27.12	0.1494803	0	33.05	80.7
7/25/2010 22:00	15512	1_60	2010	206	2200	3.849523	132.2136	43.31627	11.44	55.86	22.49	55.35	24.58	24.72	0.1388721	0	40.91	76.31
7/25/2010 23:00	15513	1_60	2010	206	2300	2.146328	329.2578	54.3732	2.497	24.44	-0.333	25.22	23.85	24.25	0.3997607	0	43.5	75.07
7/26/2010 0:00	15514	1_60	2010	207	0	2.47539	270.6479	11.44935	-0.148	5.202	2.771	8.05	21.6	22.93	1.33083	0	51.15	71.18
7/26/2010 1:00	15515	1_60	2010	207	100	1.104692	310.4088	27.58441	0.303	2.785	0.708	5.726	20.65	21.48	0.8341203	0	54.87	69.22
7/26/2010 2:00	15516	1_60	2010	207	200	2.143286	274.1296	13.6679	0.136	3.529	0.881	3.806	19.1	20.74	1.647007	0	60.68	66.57
7/26/2010 3:00	15517	1_60	2010	207	300	1.042428	120.5913	42.25552	0.026	0.544	0.033	0.683	17.96	19.32	1.361034	0	64.2	64.74
7/26/2010 4:00	15518	1_60	2010	207	400	1.775667	122.2982	10.85882	-0.011	0.361	0.011	0.25	16.86	18.44	1.576456	0	69.07	62.5
7/26/2010 5:00	15519	1_60	2010	207	500	1.366094	158.3701	34.51843	-0.163	4.986	-0.141	5.869	17.68	19.18	1.505713	0	65.47	64.03
7/26/2010 6:00	15520	1_60	2010	207	600	2.554598	111.3107	27.65533	0.598	3.06	1.585	4.018	16.74	18.62	1.881938	0	68.28	62.6
7/26/2010 7:00	15521	1_60	2010	207	700	0.9976006	74.14471	29.02508	1.968	12.99	2.805	13.33	19.39	19.18	-0.2148495	0	57.91	68.42
7/26/2010 8:00	15522	1_60	2010	207	800	1.191931	340.6972	39.57518	0.877	20.02	-0.149	21.21	21.96	21.56	-0.4041785	0	48.41	73.12
7/26/2010 9:00	15523	1_60	2010	207	900	1.823794	342.8993	49.95407	2.901	29.88	-0.728	31.9	23.46	22.98	-0.482754	0	45.23	75.53
7/26/2010 10:00	15524	1_60	2010	207	1000	1.697729	306.6935	63.49717	2.657	39.1	0.537	40.05	25.34	24.67	-0.6687405	0	40.57	78.88
7/26/2010 11:00	15525	1_60	2010	207	1100	2.214966	27.13728	52.42607	2.501	45.62	-4.257	46.77	27.12	26.31	-0.8077959	0	35.95	82
7/26/2010 12:00	15526	1_60	2010	207	1200	2.017533	322.4861	61.04354	0.473	42.4	-3.757	42.18	28.42	27.63	-0.7910565	0	31.89	84.4
7/26/2010 13:00	15527	1_60	2010	207	1300	2.233421	301.7819	65.56808	6.321	38.73	6.471	40.08	30.02	28.98	-1.043522	0	28.89	86.9
7/26/2010 14:00	15528	1_60	2010	207	1400	2.816417	304.6573	50.37193	7.954	38.75	6.223	42.94	31.2	30.22	-0.9748511	0	26.34	88.8
7/26/2010 15:00	15529	1_60	2010	207	1500	3.182442	336.1908	36.31582	8.81	38.16	0.641	40.95	32.15	31.14	-1.001736	0	23.73	90.5
7/26/2010 16:00	15530	1_60	2010	207	1600	2.532766	287.6323	50.98369	4.868	39.81	7.742	41.64	32.62	31.76	-0.862202	0	21.52	91.7
7/26/2010 17:00	15531	1_60	2010	207	1700	4.951454	219.6301	20.69594	1.04	38.96	27.36	46.86	32.75	31.82	-0.9287513	0	21.94	91.2
7/26/2010 18:00	15532	1_60	2010	207	1800	8.356835	196.2303	9.152449	7.886	43.04	64.37	42.19	29.38	29.02	-0.3541875	0	29.31	84.7
7/26/2010 19:00	15533	1_60	2010	207	1900	5.020494	209.7088	16.94699	1.624	28.13	30.14	29.42	28.76	28.74	-0.0168235	0	29.89	83.8
7/26/2010 20:00	15534	1_60	2010	207	2000	2.802708	128.3922	20.24938	4.247	17.91	9.91	20.37	27.09	27.37	0.2745636	0	31.99	80.9
7/26/2010 21:00	15535	1_60	2010	207	2100	2.257398	139.4161	22.26943	1.071	11.73	5.722	15	25.8	26.36	0.5607178	0	37.66	78.66
7/26/2010 22:00	15536	1_60	2010	207	2200	1.985098	171.3466	32.17912	-0.016	2.285	5.606	9.75	24.32	25.49	1.173002	0	44.07	75.91
7/26/2010 23:00	15537	1_60	2010	207	2300	3.526467	145.6054	22.47968	3.188	18.36	18.61	22.99	24.91	25.56	0.6491442	0	42.49	76.85
7/27/2010 0:00	15538	1_60	2010	208	0	4.929125	110.7965	15.62048	13.6	23.32	20.14	25.19	21.7	22.33	0.6212373	0.01	64.15	71.39
7/27/2010 1:00	15539	1_60	2010	208	100	4.036083	120.0977	12.6693	10.9	19.63	15.84	20.26	20.79	21.05	0.2584227	0	68.44	69.51
7/27/2010 2:00	15540	1_60	2010	208	200	4.660378	123.5779	8.150337	9.06	20.37	19.04	22.8	20.25	20.53	0.281295	0	69.26	68.52
7/27/2010 3:00	15541	1_60	2010	208	300	2.687624	116.5545	8.607152	1.982	8.03	5.056	10.62	19.47	19.98	0.5055534	0	72.72	67.21
7/27/2010 4:00	15542	1_60	2010	208	400	1.762749	122.0027	41.58382	0.496	3.344	0.599	3.269	18	18.81	0.8111424	0	79.82	64.63
7/27/2010 5:00	15543	1_60	2010	208	500	2.095555	128.9723	17.71955	0.979	4.515	2.001	5.397	17.06	17.92	0.8569088	0	84	62.95
7/27/2010 6:00	15544	1_60	2010	208	600	2.869652	121.5404	8.004972	3.186	7.441	6.039	8.21	17.75	18.23	0.480025	0	81.3	64.01
7/27/2010 7:00	15545	1_60	2010	208	700	1.264977	105.7671	20.29572	2.198	11.9	2.391	12.91	20.54	20.21	-0.3234476	0	65.32	70.12
7/27/2010 8:00	15546	1_60	2010	208	800	0.9025684	90.94975	39.73756	4.989	21.61	5.62	22.19	21.99	21.53	-0.4580248	0	57.18	73.68
7/27/2010 9:00	15547	1_60	2010	208	900	2.029563	317.5472	39.3249	4.334	31.35	1.627	32.99	23.19	22.6	-0.5870778	0	55.9	75.12
7/27/2010 10:00	15548	1_60	2010	208	1000	2.242866	306.1931	31.95776	1.369	33.44	0.099	33.78	25.26	24.54	-0.7226556	0	48.73	78.45
7/27/2010 11:00	15549	1_60	2010	208	1100	2.23567	313.7322	39.38487	1.005	37.46	-2.494	37.65	27.43	26.69	-0.7447162	0	40.05	82.4
7/27/2010 12:00	15550	1_60	2010	208	1200	2.49218	342.141	49.46211	7.362	43	1.468	42.64	29.64	28.71	-0.9307751	0	31.95	86.4
7/27/2010 13:00	15551	1_60	2010	208	1300	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 14:00	15552	1_60	2010	208	1400	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 15:00	15553	1_60	2010	208	1500	4.895154	291.2175	16.25392	5.788	25.42	6.843	27.71	27.52	27.36	-0.1622282	0	32.49	81.8
7/27/2010 16:00	15554	1_60	2010	208	1600	9.309844	174.2437	24.31272	13.4	50.99	63.62	52.09	24.19	24.42	0.2273905	0	47.45	76.54
7/27/2010 17:00	15555	1_60	2010	208	1700	4.521431	124.4875	15.26158	9.56	19.31	22.45	24.64	19.04	19.36	0.3254079	0.06	86	66.5
7/27/2010 18:00	15556	1_60	2010	208	1800	3.880209	112.1459	27.17585	7.282	20.59	12.74	23.9	19.41	19.66	0.2410489	0	87.2	67.12
7/27/2010 19:00	15557	1_60	2010	208	1900	3.351435	134.2222	10.04935	5.92	14.39	12.86	15.67	19.13	19.41	0.2769127	0	83.3	66.64
7/27/2010 20:00	15558	1_60	2010	208	2000	1.636188	41.80624	16.95929	0.388	3.184	0.778	4.062	19.3	19.83	0.5303238	0	83.1	66.93
7/27/2010 21:00	15559	1_60	2010	208	2100	1.525618	191.264	55.53854	0.04	2.321	0.829	3.642	19.02	19.56	0.5421553	0	87	66.42
7/27/2010 22:00	15560	1_60	2010	208	2200	1.47783	211.9289	26.46011	0.062	0.871	0.758	3.464	18.28	19.19	0.9065052	0	89.8	65.18
7/27/2010 23:00	15561	1_60	2010	208	2300	1.863294	144.5091	20.79309	-0.005	0.32	1.513	4.116	17.98	18.98	0.9952639	0	89.9	64.58

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/25/2010 0:00	15490	1_60	2010	206	0	24.7	0.04	7.266	4.335	265.8	2335	13.07
7/25/2010 1:00	15491	1_60	2010	206	100	24.7	0.064	7.259	3.994	298.1	52	13.08
7/25/2010 2:00	15492	1_60	2010	206	200	24.7	0.063	7.255	3.14	101.6	140	13.1
7/25/2010 3:00	15493	1_60	2010	206	300	24.69	0.059	7.252	3.311	83.3	250	13.12
7/25/2010 4:00	15494	1_60	2010	206	400	24.7	0.066	7.248	4.301	120.4	320	13.14
7/25/2010 5:00	15495	1_60	2010	206	500	24.72	0.123	7.246	2.389	70.45	430	13.16
7/25/2010 6:00	15496	1_60	2010	206	600	24.72	27.05	7.243	2.492	31.2	517	13.17
7/25/2010 7:00	15497	1_60	2010	206	700	24.73	169.1	7.239	1.843	108.3	601	13.17
7/25/2010 8:00	15498	1_60	2010	206	800	24.74	214.3	7.239	1.263	105	732	13.11
7/25/2010 9:00	15499	1_60	2010	206	900	24.73	385.1	7.236	2.082	3.156	838	13.06
7/25/2010 10:00	15500	1_60	2010	206	1000	24.72	601	7.232	4.881	330.2	941	13.01
7/25/2010 11:00	15501	1_60	2010	206	1100	24.7	802	7.226	4.949	265	1046	12.97
7/25/2010 12:00	15502	1_60	2010	206	1200	24.68	955	7.214	5.973	296.7	1136	12.94
7/25/2010 13:00	15503	1_60	2010	206	1300	24.65	984	7.197	6.997	306.9	1257	12.91
7/25/2010 14:00	15504	1_60	2010	206	1400	24.62	955	7.171	6.349	311.9	1353	12.89
7/25/2010 15:00	15505	1_60	2010	206	1500	24.59	802	7.144	5.939	260.1	1411	12.88
7/25/2010 16:00	15506	1_60	2010	206	1600	24.57	722.2	7.116	9.25	336	1550	12.87
7/25/2010 17:00	15507	1_60	2010	206	1700	24.57	256.7	7.075	10.58	305.4	1623	12.87
7/25/2010 18:00	15508	1_60	2010	206	1800	24.57	103.1	7.031	8.23	306.8	1700	12.91
7/25/2010 19:00	15509	1_60	2010	206	1900	24.58	70.11	7.005	5.427	322.9	1803	12.94
7/25/2010 20:00	15510	1_60	2010	206	2000	24.6	15.57	6.993	9.05	202.7	1932	12.96
7/25/2010 21:00	15511	1_60	2010	206	2100	24.64	0.062	6.98	8.19	74.34	2059	12.98
7/25/2010 22:00	15512	1_60	2010	206	2200	24.66	0.047	6.962	11.26	139	2133	13.01
7/25/2010 23:00	15513	1_60	2010	206	2300	24.68	0.058	6.95	4.437	36.04	2206	13.03
7/26/2010 0:00	15514	1_60	2010	207	0	24.69	0.029	6.944	4.267	297.8	2302	13.06
7/26/2010 1:00	15515	1_60	2010	207	100	24.68	0.055	6.938	2.799	312.5	49	13.09
7/26/2010 2:00	15516	1_60	2010	207	200	24.68	0.062	6.932	3.857	288.7	131	13.11
7/26/2010 3:00	15517	1_60	2010	207	300	24.68	0.051	6.927	2.219	140	238	13.14
7/26/2010 4:00	15518	1_60	2010	207	400	24.69	0.063	6.922	2.628	125.5	330	13.16
7/26/2010 5:00	15519	1_60	2010	207	500	24.7	0.154	6.918	3.482	77.84	454	13.17
7/26/2010 6:00	15520	1_60	2010	207	600	24.7	26.27	6.913	3.618	116.2	526	13.18
7/26/2010 7:00	15521	1_60	2010	207	700	24.71	191.8	6.911	3.174	111.7	651	13.15
7/26/2010 8:00	15522	1_60	2010	207	800	24.71	389.4	6.908	4.437	4.47	757	13.08
7/26/2010 9:00	15523	1_60	2010	207	900	24.7	582.9	6.904	4.233	325	814	13.02
7/26/2010 10:00	15524	1_60	2010	207	1000	24.69	753.8	6.9	4.369	3.958	950	12.98
7/26/2010 11:00	15525	1_60	2010	207	1100	24.67	886	6.891	5.257	58.22	1027	12.95
7/26/2010 12:00	15526	1_60	2010	207	1200	24.64	965	6.876	5.769	288.5	1125	12.92
7/26/2010 13:00	15527	1_60	2010	207	1300	24.62	956	6.859	7.202	278.4	1213	12.9
7/26/2010 14:00	15528	1_60	2010	207	1400	24.58	962	6.834	7.475	309.7	1349	12.89
7/26/2010 15:00	15529	1_60	2010	207	1500	24.55	870	6.802	7.1	318.8	1421	12.88
7/26/2010 16:00	15530	1_60	2010	207	1600	24.54	670.3	6.765	7.578	148.8	1554	12.87
7/26/2010 17:00	15531	1_60	2010	207	1700	24.54	407.7	6.732	12.22	176.1	1653	12.87
7/26/2010 18:00	15532	1_60	2010	207	1800	24.54	124.4	6.682	13.55	194	1711	12.9
7/26/2010 19:00	15533	1_60	2010	207	1900	24.57	49.42	6.639	9.08	196.8	1800	12.93
7/26/2010 20:00	15534	1_60	2010	207	2000	24.59	7.043	6.614	6.929	86.4	1913	12.96
7/26/2010 21:00	15535	1_60	2010	207	2100	24.62	0.046	6.6	4.71	163.3	2032	12.99
7/26/2010 22:00	15536	1_60	2010	207	2200	24.63	0.054	6.59	3.959	151.9	2158	13.02
7/26/2010 23:00	15537	1_60	2010	207	2300	24.65	0.065	6.58	7.543	161.5	2250	13.03
7/27/2010 0:00	15538	1_60	2010	208	0	24.67	0.047	6.574	10.38	118.4	2355	13.05
7/27/2010 1:00	15539	1_60	2010	208	100	24.67	0.042	6.574	8.5	84.1	13	13.08
7/27/2010 2:00	15540	1_60	2010	208	200	24.67	0.06	6.572	7.817	126.6	138	13.09
7/27/2010 3:00	15541	1_60	2010	208	300	24.67	0.066	6.569	6.007	132.2	203	13.1
7/27/2010 4:00	15542	1_60	2010	208	400	24.67	0.062	6.565	3.174	102.4	300	13.12
7/27/2010 5:00	15543	1_60	2010	208	500	24.67	0.111	6.561	4.369	122.5	453	13.15
7/27/2010 6:00	15544	1_60	2010	208	600	24.68	28.81	6.559	4.71	114.2	516	13.16
7/27/2010 7:00	15545	1_60	2010	208	700	24.7	195.7	6.557	3.038	108.6	631	13.13
7/27/2010 8:00	15546	1_60	2010	208	800	24.7	380.8	6.566	2.833	104.5	737	13.03
7/27/2010 9:00	15547	1_60	2010	208	900	24.69	576.2	6.548	4.676	288.6	838	13.01
7/27/2010 10:00	15548	1_60	2010	208	1000	24.68	785	6.541	4.915	325	900	12.97
7/27/2010 11:00	15549	1_60	2010	208	1100	24.67	845	6.532	5.12	314.3	1030	12.95
7/27/2010 12:00	15550	1_60	2010	208	1200	24.64	985	6.517	7.031	301	1157	12.92
7/27/2010 13:00	15551	1_60	2010	208	1300	AT	AT	AT	AT	AT	AT	12.87
7/27/2010 14:00	15552	1_60	2010	208	1400	AT	AT	AT	AT	AT	AT	12.85
7/27/2010 15:00	15553	1_60	2010	208	1500	24.65	161.9	6.405	8.77	307.5	1400	12.94
7/27/2010 16:00	15554	1_60	2010	208	1600	24.67	96.4	6.376	21.16	102.4	1542	12.97
7/27/2010 17:00	15555	1_60	2010	208	1700	24.67	24.23	AQ	11.98	141.2	1601	13.04
7/27/2010 18:00	15556	1_60	2010	208	1800	24.68	51.76	AQ	9.83	119.2	1740	13.09
7/27/2010 19:00	15557	1_60	2010	208	1900	24.67	55.22	6.362	6.724	127.6	1800	13.11
7/27/2010 20:00	15558	1_60	2010	208	2000	24.67	4.148	6.362	3.004	154.2	1904	13.11
7/27/2010 21:00	15559	1_60	2010	208	2100	24.69	0.061	6.361	3.55	262	2053	13.12
7/27/2010 22:00	15560	1_60	2010	208	2200	24.69	0.051	6.361	2.935	199.7	2137	13.13
7/27/2010 23:00	15561	1_60	2010	208	2300	24.69	0.046	6.361	2.731	174.2	2213	13.14

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/28/2010 0:00	15562	1_60	2010	209	0	1.809028	104.6254	8.573152	0.092	1.011	0.27	1.507	18.47	18.94	0.4687629	0	89.5	65.29
7/28/2010 1:00	15563	1_60	2010	209	100	1.518644	120.8735	36.48571	0.154	1.345	0.055	0.697	18.65	19.24	0.5914684	0	88.8	65.48
7/28/2010 2:00	15564	1_60	2010	209	200	1.152312	165.4034	44.31636	0.087	2.028	0.065	1.884	18.59	19.46	0.8630739	0	87.7	65.57
7/28/2010 3:00	15565	1_60	2010	209	300	1.07275	300.8147	29.15105	0.001	0.035	0.024	0.288	17.82	18.5	0.6811815	0	92	64.39
7/28/2010 4:00	15566	1_60	2010	209	400	1.428138	132.7643	11.94847	0.005	0.275	0.018	0.31	17.04	18.31	1.261818	0	89.3	63.04
7/28/2010 5:00	15567	1_60	2010	209	500	1.994208	121.9196	42.75994	0.098	2.295	1.08	3.71	16.28	17.32	1.041001	0	91.2	61.56
7/28/2010 6:00	15568	1_60	2010	209	600	1.682392	150.4047	21.16411	0.121	2.293	0.648	3.215	16.3	17.96	1.66415	0	86.3	61.69
7/28/2010 7:00	15569	1_60	2010	209	700	2.448517	112.5325	27.84321	4.948	12.25	7.738	13.6	17.98	18.58	0.6003262	0	83.5	64.81
7/28/2010 8:00	15570	1_60	2010	209	800	2.672865	307.7529	36.25505	3.161	16.61	1.475	18.72	20.15	19.85	-0.2974558	0	74.84	69.17
7/28/2010 9:00	15571	1_60	2010	209	900	2.147889	299.3288	16.05232	1.747	18.66	1.701	19.58	21.54	21.24	-0.3021559	0	66.44	71.45
7/28/2010 10:00	15572	1_60	2010	209	1000	1.053866	34.3814	44.90169	1.962	26.79	-0.445	25.88	24.33	23.91	-0.4180684	0	49.77	77.95
7/28/2010 11:00	15573	1_60	2010	209	1100	1.709957	86.65018	49.62912	3.278	35.72	1.906	37.73	27.09	26.41	-0.6733355	0	40.78	82.2
7/28/2010 12:00	15574	1_60	2010	209	1200	2.545912	66.27894	56.60075	2.122	40.32	-1.651	42.88	29.44	28.61	-0.8333838	0	33.06	85.8
7/28/2010 13:00	15575	1_60	2010	209	1300	4.086939	210.1516	35.67965	5.015	40.64	22.68	45.05	32.07	30.78	-1.295231	0	23.69	89.9
7/28/2010 14:00	15576	1_60	2010	209	1400	3.077772	246.874	47.96202	2.662	39.35	13.96	40.95	32.39	31.46	-0.9219464	0	21.77	90.8
7/28/2010 15:00	15577	1_60	2010	209	1500	2.907128	264.8188	45.7658	6.135	33.91	11.05	35.38	32.63	31.9	-0.7391667	0	20.55	91.3
7/28/2010 16:00	15578	1_60	2010	209	1600	4.406192	328.9945	35.0066	9.06	31.87	6.723	34.42	31.82	31.22	-0.6031427	0	24.41	89.6
7/28/2010 17:00	15579	1_60	2010	209	1700	6.622753	139.1686	13.79809	13.92	33.92	41.46	34.54	27.43	27.24	-0.1968988	0.01	39.29	81.5
7/28/2010 18:00	15580	1_60	2010	209	1800	4.610713	110.4367	32.61643	9.07	35.72	18.79	38.77	24.02	24	-0.02845775	0	52.62	75.3
7/28/2010 19:00	15581	1_60	2010	209	1900	3.077249	133.7017	30.62273	6.129	15.18	14.81	17.33	23.58	23.73	0.1544744	0	54.42	74.55
7/28/2010 20:00	15582	1_60	2010	209	2000	3.132166	144.7354	14.03944	2.116	7.733	13.36	11.32	22.53	22.94	0.4100233	0	62.57	72.76
7/28/2010 21:00	15583	1_60	2010	209	2100	2.032609	146.5655	35.22802	0.855	7.053	5.58	9.81	21.54	22.42	0.8802918	0	66.03	71.01
7/28/2010 22:00	15584	1_60	2010	209	2200	1.175772	116.6733	63.94286	0.129	6.563	0.552	7.73	21.27	22.06	0.7942354	0	67.06	70.48
7/28/2010 23:00	15585	1_60	2010	209	2300	2.610591	170.1426	12.76204	1.695	7.259	11.93	12.52	21.21	22.45	1.241702	0	64.52	70.28
7/29/2010 0:00	15586	1_60	2010	210	0	2.288951	97.49567	11.99944	1.24	6.396	1.376	7.354	20.38	20.96	0.5793541	0	71.65	68.96
7/29/2010 1:00	15587	1_60	2010	210	100	2.034767	183.7418	36.33749	0.116	18.97	3.909	17.48	20.77	21.39	0.6248956	0	64.42	69.39
7/29/2010 2:00	15588	1_60	2010	210	200	1.844588	249.9658	31.45435	-0.113	17.02	3.855	17.88	21.28	21.63	0.3566177	0	59.28	70.53
7/29/2010 3:00	15589	1_60	2010	210	300	1.096358	244.0297	39.41526	-0.14	2.681	0.026	3.767	20.65	21.27	0.6218327	0	64.38	69.37
7/29/2010 4:00	15590	1_60	2010	210	400	1.114792	187.0325	47.19769	-0.018	2.754	0.399	3.124	19.95	20.59	0.6319953	0	70.36	68.24
7/29/2010 5:00	15591	1_60	2010	210	500	1.761365	124.6079	12.69635	0.192	1.887	0.4	2.031	19.14	19.77	0.6249874	0	77.57	66.57
7/29/2010 6:00	15592	1_60	2010	210	600	0.8673587	115.9369	41.79399	0.028	0.368	0.016	0.248	19.08	19.55	0.4719356	0	77.9	66.55
7/29/2010 7:00	15593	1_60	2010	210	700	0.8447374	85.50397	29.82167	0.029	1.936	0.1	1.638	19.96	19.88	-0.07926071	0	73.57	68.42
7/29/2010 8:00	15594	1_60	2010	210	800	1.143061	316.1736	18.68337	0.561	5.444	0.92	5.841	20.94	20.82	-0.1251027	0	67.18	70.16
7/29/2010 9:00	15595	1_60	2010	210	900	1.740596	322.5958	25.91101	1.682	18.88	-0.345	20.3	22.21	21.85	-0.3567646	0	59.05	72.73
7/29/2010 10:00	15596	1_60	2010	210	1000	1.278031	341.8753	33.78107	-1.916	26.84	-5.908	26.66	23.43	23.12	-0.3030762	0	50.54	75.39
7/29/2010 11:00	15597	1_60	2010	210	1100	1.462865	50.62628	60.21132	7.247	34.5	6.188	35.03	25.46	24.79	-0.6715807	0	43.53	79.31
7/29/2010 12:00	15598	1_60	2010	210	1200	2.215875	129.6634	50.07146	5.599	45.46	9.93	46.1	27.79	26.77	-1.022093	0	37.14	82.8
7/29/2010 13:00	15599	1_60	2010	210	1300	2.711973	308.3037	47.32574	7.206	41.17	4.927	41.93	28.82	27.83	-0.9920078	0	33.69	84.7
7/29/2010 14:00	15600	1_60	2010	210	1400	2.718425	319.8796	54.87672	-0.645	42.49	-5.25	43.18	29.31	28.43	-0.8874747	0	31.76	85.4
7/29/2010 15:00	15601	1_60	2010	210	1500	2.888808	333.4753	51.10245	8.08	36.69	2.398	40.8	30.55	29.5	-1.041532	0	28.1	87.6
7/29/2010 16:00	15602	1_60	2010	210	1600	2.883892	273.1617	46.59714	3.85	33.7	6.478	37.65	30.16	29.37	-0.7925552	0	29.57	86.6
7/29/2010 17:00	15603	1_60	2010	210	1700	3.216833	264.9175	35.38043	6.968	29.08	12.44	34.88	30.31	29.67	-0.6409634	0	29.82	86.9
7/29/2010 18:00	15604	1_60	2010	210	1800	8.447601	145.5354	41.13171	14.33	44.98	50.71	55.23	23.61	24.07	0.4596917	0.03	56.91	74.96
7/29/2010 19:00	15605	1_60	2010	210	1900	8.653882	219.7758	52.27096	0.674	50.46	30.71	65.55	19.09	20.06	0.9693282	1.4	77.99	66.33
7/29/2010 20:00	15606	1_60	2010	210	2000	4.232008	130.985	20.30803	7.066	16.21	18.83	19.24	17.38	17.89	0.5086244	0.04	89.1	63.03
7/29/2010 21:00	15607	1_60	2010	210	2100	2.524894	97.82166	11.82046	1.167	6.18	4.077	8.66	18.64	19.38	0.7329603	0	85.9	65.56
7/29/2010 22:00	15608	1_60	2010	210	2200	1.44864	198.1867	51.06824	-0.221	3.652	0.594	4.173	18.73	19.25	0.5191323	0	87	65.72
7/29/2010 23:00	15609	1_60	2010	210	2300	0.8626016	302.5211	17.41538	0.002	0.276	0.017	0.188	18.54	18.88	0.3369188	0	90.6	65.47
7/30/2010 0:00	15610	1_60	2010	211	0	1.178815	131.4724	20.90722	0.034	1.752	0.373	2.507	18.17	18.45	0.2799745	0	93.1	64.71
7/30/2010 1:00	15611	1_60	2010	211	100	1.065153	125.7035	21.53037	0	0.051	0.001	0.039	18.21	18.48	0.2737517	0	92.3	64.74
7/30/2010 2:00	15612	1_60	2010	211	200	1.001609	169.4487	15.24269	-0.001	0.077	0.009	0.12	18.47	18.97	0.4957066	0	90.5	65.26
7/30/2010 3:00	15613	1_60	2010	211	300	1.87758	106.4378	12.69216	0.179	1.962	0.267	2.07	18.4	18.55	0.1465479	0	93.1	65.12
7/30/2010 4:00	15614	1_60	2010	211	400	1.357338	137.2988	18.50963	0.163	3.427	0.443	2.593	18.38	18.69	0.3061405	0	91.7	65.06
7/30/2010 5:00	15615	1_60	2010	211	500	0.915336	306.1021	41.88438	0.16	2.3	0.298	2.549	17.83	18.2	0.3686446	0	92.2	64.34
7/30/2010 6:00	15616	1_60	2010	211	600	1.137971	287.3269	41.95137	-0.026	0.508	0.227	1.784	17.64	17.82	0.1761252	0	94.5	63.77
7/30/2010 7:00	15617	1_60	2010	211	700	0.8580503	95.55983	34.05752	1.097	5.835	1.145	5.429	18.91	18.59	-0.3201849	0	86.7	67.56
7/30/2010 8:00	15618	1_60	2010	211	800	0.6578036	116.0995	38.16821	3.839	16.16	4.767	16.13	20.98	20.48	-0.4970327	0	75.81	71.98
7/30/2010 9:00	15619	1_60	2010	211	900	0.5721304	30.06657	62.074	1.445	24.71	-0.778	24.65	22.65	22.24	-0.4134366	0	65.69	75.57
7/30/2010 10:00	15620	1_60	2010	211	1000	1.188006	347.1447	54.77373	3.723	26.86	2.481	26.56	24.45	23.89	-0.559287	0	57.49	77.88
7/30/2010 11:00	15621	1_60	2010	211	1100	1.429956	306.7471	47.03922	3.678	27.57	2.92	30.86	26.01	25.38	-0.6278147	0	52.49	80.4
7/30/2010 12:00	15622	1_60	2010	211	1200	1.316233	317.2573	42.3718	4.739	28.71	4.667	31.45	27.97	27.3	-0.6722761	0	39.72	84.3
7/30/2010 13:00	15623	1_60	2010	211	1300	1.432344	222.7325	63.06286	-1.814	30.08	1.116	31.9	29.34	28.54	-0.7935384	0	34.39	86.4
7/30/2010 14:00	15624	1_60	2010	211	1400	2.210411	296.5566	44.60763	1.654	35.84	0.525	36.07	30.38	29.59	-0.7852691	0	33.01	87.8
7/30/2010 15:00	15625	1_60	2010	211	1500	3.035497	283.0574	45.38501	5.308	33.21	9.48	35.86	31.76	30.88	-0.8838044	0	30.3	89.9
7/30/2010 16:00	15626	1_60	2010	211	1600	2.331328	65.17249	51.6268	3.925	28.85	7.302	32.87	30.89	30.55	-0.3476309	0	30.96	88.5
7/30/2010 17:00	15627	1_60	2010	211	1700	5.845775	140.2715	57.98122	10.5	24.16	27.75	36.02	21.45	22.55	1.093659	0.55	72.64	71.08
7/30/2010 18:00	15628	1_60	2010	211	1800	4.557646	82.9129	21.27051	9.18	25.25	7.159	29.57	21.27	21.76	0.4875244	0	78.11	70.42
7/30/2010 19:00	15629	1_60	2010	211	1900	2.878851	145.1704	51.35326	2.147	9.86	9.37	12.32	21.07	21.78	0.7138114	0	80.7	70.11
7/30/2010 20:00	15630	1_60	2010	211	2000	1.395931	152.8324	34.93318	-0.721	11.19	0.956	12.56	21.47	22.08	0.610445	0	77.18	70.71
7/30/2010 21:00	15631	1_60	2010	211	2100	1.864854	125.8896	13.71832	0.181	1.962	0.863	3.855	20.92	21.89	0.9750943	0	79.91	69.82
7/30/2010 22:00	15632	1_60	2010	211	2200	1.314383	69.3378	40.26232	-0.004	1.184	0.066	1.698	20.53	21.62	1.089365	0	83.3	69.06
7/30/2010 23:00	15633	1_60	2010	211	2300	1.087546	208.2085	41.25091	0	0.061	0.122	0.75	20.07	21.03	0.9641019	0	83.7	68.33

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/28/2010 0:00	15562	1_60	2010	209	0	24.69	0.062	6.361	2.765	112.8	2305	13.14
7/28/2010 1:00	15563	1_60	2010	209	100	24.69	0.064	6.361	2.731	67.13	49	13.14
7/28/2010 2:00	15564	1_60	2010	209	200	24.7	0.064	6.361	2.185	47.5	155	13.13
7/28/2010 3:00	15565	1_60	2010	209	300	24.71	0.059	6.361	2.014	294.9	222	13.13
7/28/2010 4:00	15566	1_60	2010	209	400	24.7	0.048	6.361	2.765	102.8	342	13.15
7/28/2010 5:00	15567	1_60	2010	209	500	24.7	0.102	6.361	3.311	117.3	454	13.17
7/28/2010 6:00	15568	1_60	2010	209	600	24.72	12.9	6.361	2.765	66.31	557	13.18
7/28/2010 7:00	15569	1_60	2010	209	700	24.73	127.6	6.361	5.837	119.4	621	13.18
7/28/2010 8:00	15570	1_60	2010	209	800	24.74	325.2	6.361	4.096	295.7	714	13.11
7/28/2010 9:00	15571	1_60	2010	209	900	24.75	455.2	6.361	3.584	307.6	814	13.07
7/28/2010 10:00	15572	1_60	2010	209	1000	24.74	750.5	6.36	3.857	105.6	947	13.01
7/28/2010 11:00	15573	1_60	2010	209	1100	24.73	916	6.357	3.516	144	1007	12.96
7/28/2010 12:00	15574	1_60	2010	209	1200	24.71	953	6.349	5.803	111.9	1124	12.93
7/28/2010 13:00	15575	1_60	2010	209	1300	24.69	952	6.332	9.63	162	1210	12.9
7/28/2010 14:00	15576	1_60	2010	209	1400	24.67	701.2	6.299	8.26	237.1	1313	12.89
7/28/2010 15:00	15577	1_60	2010	209	1500	24.66	559.3	6.266	7.168	270.1	1412	12.88
7/28/2010 16:00	15578	1_60	2010	209	1600	24.67	397.5	6.233	8.09	301	1504	12.88
7/28/2010 17:00	15579	1_60	2010	209	1700	24.68	80.8	6.204	11.06	139.9	1614	12.91
7/28/2010 18:00	15580	1_60	2010	209	1800	24.7	46	6.171	9.86	82.1	1720	12.97
7/28/2010 19:00	15581	1_60	2010	209	1900	24.71	23.53	6.155	6.724	108.2	1820	13.01
7/28/2010 20:00	15582	1_60	2010	209	2000	24.72	11.75	6.147	5.325	187.4	1901	13.04
7/28/2010 21:00	15583	1_60	2010	209	2100	24.74	0.032	6.14	3.482	112.6	2004	13.06
7/28/2010 22:00	15584	1_60	2010	209	2200	24.76	0.012	6.135	2.492	37.05	2143	13.08
7/28/2010 23:00	15585	1_60	2010	209	2300	24.77	0.025	6.131	5.052	141	2238	13.09
7/29/2010 0:00	15586	1_60	2010	210	0	24.77	0.048	6.125	3.925	118.6	2300	13.09
7/29/2010 1:00	15587	1_60	2010	210	100	24.78	0.049	6.121	4.403	257.4	59	13.1
7/29/2010 2:00	15588	1_60	2010	210	200	24.78	0.037	6.117	5.257	241.4	115	13.1
7/29/2010 3:00	15589	1_60	2010	210	300	24.78	0.043	6.116	2.287	199.1	256	13.1
7/29/2010 4:00	15590	1_60	2010	210	400	24.78	0.045	6.115	2.594	266.2	302	13.1
7/29/2010 5:00	15591	1_60	2010	210	500	24.78	0.071	6.113	2.492	121.1	418	13.1
7/29/2010 6:00	15592	1_60	2010	210	600	24.79	18.46	6.111	2.014	129.5	512	13.11
7/29/2010 7:00	15593	1_60	2010	210	700	24.8	83.5	6.111	1.809	97.7	622	13.11
7/29/2010 8:00	15594	1_60	2010	210	800	24.81	98.9	6.11	2.048	258.1	709	13.09
7/29/2010 9:00	15595	1_60	2010	210	900	24.8	313.6	6.108	3.823	304.5	831	13.07
7/29/2010 10:00	15596	1_60	2010	210	1000	24.79	372.3	6.104	3.618	323.2	926	13.03
7/29/2010 11:00	15597	1_60	2010	210	1100	24.78	729	6.1	3.823	98.6	1049	12.99
7/29/2010 12:00	15598	1_60	2010	210	1200	24.75	971	6.092	6.11	111.5	1149	12.95
7/29/2010 13:00	15599	1_60	2010	210	1300	24.73	816	6.076	6.212	334.6	1227	12.92
7/29/2010 14:00	15600	1_60	2010	210	1400	24.7	808	6.054	6.519	306.6	1336	12.91
7/29/2010 15:00	15601	1_60	2010	210	1500	24.68	776.1	6.02	10	354.5	1442	12.89
7/29/2010 16:00	15602	1_60	2010	210	1600	24.67	418.7	5.991	6.485	313.5	1515	12.9
7/29/2010 17:00	15603	1_60	2010	210	1700	24.66	282.4	5.957	7.1	288	1649	12.9
7/29/2010 18:00	15604	1_60	2010	210	1800	24.68	71.55 AQ		17.58	133.5	1713	12.94
7/29/2010 19:00	15605	1_60	2010	210	1900	24.72	3.852 AQ		19.87	218.4	1816	13.04
7/29/2010 20:00	15606	1_60	2010	210	2000	24.73	1.776 AQ		7.817	133.2	1940	13.11
7/29/2010 21:00	15607	1_60	2010	210	2100	24.73	0.047	6.985	4.642	152.9	2010	13.13
7/29/2010 22:00	15608	1_60	2010	210	2200	24.73	0.061	6.985	2.867	92	2107	13.13
7/29/2010 23:00	15609	1_60	2010	210	2300	24.72	0.063	6.985	1.98	275.6	2259	13.13
7/30/2010 0:00	15610	1_60	2010	211	0	24.71	0.061	6.985	2.901	271.5	2301	13.14
7/30/2010 1:00	15611	1_60	2010	211	100	24.72	0.065	6.985	1.536	112.2	27	13.14
7/30/2010 2:00	15612	1_60	2010	211	200	24.72	0.067	6.985	1.809	155.1	157	13.14
7/30/2010 3:00	15613	1_60	2010	211	300	24.72	0.064	6.985	2.935	104.2	255	13.13
7/30/2010 4:00	15614	1_60	2010	211	400	24.72	0.062	6.985	2.97	93.3	301	13.14
7/30/2010 5:00	15615	1_60	2010	211	500	24.73	0.087	6.985	1.911	287.9	429	13.14
7/30/2010 6:00	15616	1_60	2010	211	600	24.73	21.85	6.985	2.253	315.1	536	13.15
7/30/2010 7:00	15617	1_60	2010	211	700	24.73	179.7	6.985	2.082	42.23	621	13.13
7/30/2010 8:00	15618	1_60	2010	211	800	24.73	367.6	6.985	1.877	105.9	721	13.07
7/30/2010 9:00	15619	1_60	2010	211	900	24.73	582.5	6.985	1.877	7.275	838	13
7/30/2010 10:00	15620	1_60	2010	211	1000	24.72	745.7	6.985	2.867	328	958	12.96
7/30/2010 11:00	15621	1_60	2010	211	1100	24.7	876	6.984	3.584	341.4	1004	12.95
7/30/2010 12:00	15622	1_60	2010	211	1200	24.68	960	6.984	3.447	319	1103	12.93
7/30/2010 13:00	15623	1_60	2010	211	1300	24.65	993	6.984	4.915	239.9	1251	12.91
7/30/2010 14:00	15624	1_60	2010	211	1400	24.62	960	6.98	5.837	292.2	1351	12.89
7/30/2010 15:00	15625	1_60	2010	211	1500	24.6	893	6.953	7.168	249.8	1416	12.88
7/30/2010 16:00	15626	1_60	2010	211	1600	24.62	268.3	6.928	10.65	266.1	1558	12.88
7/30/2010 17:00	15627	1_60	2010	211	1700	24.63	47.54 AQ		13.93	147.3	1617	12.95
7/30/2010 18:00	15628	1_60	2010	211	1800	24.65	32.04	7.202	8.57	92.5	1707	13.04
7/30/2010 19:00	15629	1_60	2010	211	1900	24.63	8.87	7.201	4.71	105.9	1839	13.06
7/30/2010 20:00	15630	1_60	2010	211	2000	24.65	3.72	7.201	3.14	246.7	1900	13.08
7/30/2010 21:00	15631	1_60	2010	211	2100	24.65	0.028	7.201	3.004	160.8	2002	13.08
7/30/2010 22:00	15632	1_60	2010	211	2200	24.65	0.031	7.201	3.721	293.2	2143	13.09
7/30/2010 23:00	15633	1_60	2010	211	2300	24.65	0.022	7.201	2.219	203.2	2237	13.1

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
7/31/2010 0:00	15634	1_60	2010	212	0	1.817483	123.6569	25.11452	0.009	0.299	1.043	3.271	19.51	20.48	0.9765297	0	87.1	67.26
7/31/2010 1:00	15635	1_60	2010	212	100	2.390775	124.0967	15.45193	1.393	6.532	5.014	9.47	19.18	19.99	0.8083205	0	85.6	66.59
7/31/2010 2:00	15636	1_60	2010	212	200	1.939303	113.2945	37.06246	2.341	6.052	6.53	9.43	18.99	19.94	0.9536153	0	81.8	66.29
7/31/2010 3:00	15637	1_60	2010	212	300	1.998191	112.896	17.11056	0.718	4.3	1.937	6.07	18.74	19.56	0.816677	0	84.3	65.85
7/31/2010 4:00	15638	1_60	2010	212	400	1.855479	120.9722	29.62233	1.384	5.786	4.045	7.082	18.79	19.41	0.6132956	0	81.3	65.98
7/31/2010 5:00	15639	1_60	2010	212	500	1.416191	133.0511	32.6748	0.037	1.686	0.533	2.068	18.34	18.78	0.4361916	0	88	65.1
7/31/2010 6:00	15640	1_60	2010	212	600	1.261274	127.6939	32.30825	-0.229	3.918	-0.21	3.949	18.02	18.69	0.6710284	0	89.8	64.47
7/31/2010 7:00	15641	1_60	2010	212	700	0.7687322	101.6097	36.57942	0.103	1.202	0.008	0.224	18.07	18.31	0.2310071	0	89.9	64.73
7/31/2010 8:00	15642	1_60	2010	212	800	1.772625	106.6622	17.49111	3.873	11.42	5.429	14.06	20.67	20.33	-0.3365431	0	71.74	69.91
7/31/2010 9:00	15643	1_60	2010	212	900	1.366579	104.1948	30.73855	4.876	18.28	5.133	19.09	23.36	22.87	-0.4984797	0	56.44	75.46
7/31/2010 10:00	15644	1_60	2010	212	1000	1.023002	14.62004	45.26799	-0.892	17.37	-3.226	17.9	24.38	24.06	-0.3261952	0	50.75	77.7
7/31/2010 11:00	15645	1_60	2010	212	1100	3.320419	243.8375	22.55324	3.515	31.27	17.46	33.69	26.87	26.14	-0.7325705	0	43.78	81.1
7/31/2010 12:00	15646	1_60	2010	212	1200	4.376617	236.7605	16.25233	1.626	32.08	20.15	34.78	27.96	27.04	-0.9139458	0	42.33	82.7
7/31/2010 13:00	15647	1_60	2010	212	1300	5.032093	245.1548	15.60594	-0.524	33.18	17.83	34.77	28.4	27.41	-0.9859891	0	40.9	83.3
7/31/2010 14:00	15648	1_60	2010	212	1400	3.014675	225.1034	32.26764	0.068	32.7	11.82	35.66	29.45	28.55	-0.8992157	0	34.75	85.6
7/31/2010 15:00	15649	1_60	2010	212	1500	4.97742	181.3349	25.02541	5.58	34.3	34.22	41.28	26.74	26.44	-0.2998531	0	46	80.3
7/31/2010 16:00	15650	1_60	2010	212	1600	2.907922	60.16254	38.08599	8.39	26.16	2.453	26.96	24.24	24.12	-0.1132772	0	57.85	75.97
7/31/2010 17:00	15651	1_60	2010	212	1700	3.075554	316.4803	24.59668	3.615	17.53	-1.016	19.48	21.68	21.58	-0.1009245	0	69.16	71.17
7/31/2010 18:00	15652	1_60	2010	212	1800	0.9107925	302.7603	48.33685	0.378	3.528	0.464	3.041	21.04	20.95	-0.08602364	0	69.86	70.04
7/31/2010 19:00	15653	1_60	2010	212	1900	1.062505	66.31358	25.44061	0.059	0.842	0.043	0.499	21.02	21.08	0.0546776	0	73.03	69.93
7/31/2010 20:00	15654	1_60	2010	212	2000	1.484282	250.4843	49.11897	0.047	0.75	0.628	2.358	20.95	21.23	0.2817996	0	76.2	69.74
7/31/2010 21:00	15655	1_60	2010	212	2100	2.100158	306.1556	12.51538	0.378	4.173	0.013	3.709	19.7	19.9	0.2042618	0.02	84.8	67.65
7/31/2010 22:00	15656	1_60	2010	212	2200	1.530021	344.6678	31.29081	0.164	2.669	1.343	4.108	18.83	19.06	0.2223591	0	90.8	65.89
7/31/2010 23:00	15657	1_60	2010	212	2300	1.008215	291.1983	35.50068	-0.097	1.433	0.034	0.932	18.65	19.04	0.3838471	0	89.6	65.44
8/1/2010 0:00	15658	1_60	2010	213	0	1.609975	130.1339	13.34744	0.001	0.188	0.426	2.084	17.8	18.48	0.6809637	0	92.8	64.24
8/1/2010 1:00	15659	1_60	2010	213	100	1.968832	130.8469	15.56874	0.052	0.851	1.039	2.921	17.75	18.48	0.7234757	0	92.4	63.98
8/1/2010 2:00	15660	1_60	2010	213	200	1.65014	120.9923	14.66053	0.182	2.437	0.558	2.283	17.43	17.75	0.3212785	0	92.8	63.44
8/1/2010 3:00	15661	1_60	2010	213	300	0.944638	150.8852	34.62691	-0.09	1.662	-0.156	1.836	17.54	18.1	0.5539416	0	91.1	63.48
8/1/2010 4:00	15662	1_60	2010	213	400	0.8676689	179.5581	46.10731	0.001	0.118	-0.003	0.198	17.81	17.99	0.1731784	0	91.3	64.1
8/1/2010 5:00	15663	1_60	2010	213	500	1.805196	5.591174	34.51748	0.318	8.21	-1.075	7.416	18.16	18.53	0.3722312	0	89.4	64.73
8/1/2010 6:00	15664	1_60	2010	213	600	1.317568	279.1537	38.90017	0.017	2.126	0.551	3.844	17.77	17.86	0.09186357	0.01	93.1	64.09
8/1/2010 7:00	15665	1_60	2010	213	700	0.4495367	73.70303	36.61296	0	0.011	0.003	0.054	18.18	18.11	-0.07538781	0	91.8	64.79
8/1/2010 8:00	15666	1_60	2010	213	800	1.649601	88.51823	13.51777	0.761	3.09	0.817	3.234	18.5	18.4	-0.09904844	0.03	91.6	65.47
8/1/2010 9:00	15667	1_60	2010	213	900	1.823853	125.7196	12.94877	2.581	9.02	3.443	9.06	19.04	18.81	-0.2353147	0.02	90.4	66.45
8/1/2010 10:00	15668	1_60	2010	213	1000	1.063449	37.33947	27.51584	1.244	18.85	-0.082	19.82	20.72	20.35	-0.3743543	0	78.06	70.61
8/1/2010 11:00	15669	1_60	2010	213	1100	0.8063981	359.424	53.88461	-1.449	20.03	-4.59	20.38	22.06	21.74	-0.3282667	0	67.96	73.32
8/1/2010 12:00	15670	1_60	2010	213	1200	1.608898	107.3298	40.44144	4.502	14.26	5.628	17	22.23	21.85	-0.3846523	0	71	72.7
8/1/2010 13:00	15671	1_60	2010	213	1300	1.369455	51.93687	38.77372	3.719	26.12	2.475	27.14	23.37	22.91	-0.4599103	0.02	66.06	75.49
8/1/2010 14:00	15672	1_60	2010	213	1400	6.996379	315.985	17.53414	6.646	38.09	-7.336	43.41	23.95	23.29	-0.6615192	0	63.19	75.28
8/1/2010 15:00	15673	1_60	2010	213	1500	5.336222	308.7302	10.84142	9.05	31.36	3.576	35.37	24.72	23.91	-0.8081534	0	55.64	76.55
8/1/2010 16:00	15674	1_60	2010	213	1600	5.151046	93.66751	25.65657	12.24	27.66	20.35	34.41	22.95	22.7	-0.2534308	0	65.53	73.55
8/1/2010 17:00	15675	1_60	2010	213	1700	5.787994	128.2652	8.384675	13.08	26.52	31.38	27.27	20.77	20.66	-0.1009478	0	73.67	69.36
8/1/2010 18:00	15676	1_60	2010	213	1800	4.194042	110.6391	6.893068	9.05	19.07	14.13	20.82	20.7	20.56	-0.1412855	0	75.75	69.36
8/1/2010 19:00	15677	1_60	2010	213	1900	1.950571	97.2065	10.82625	1.335	5.107	2.285	5.08	20.56	20.72	0.1565785	0	80.2	69.14
8/1/2010 20:00	15678	1_60	2010	213	2000	1.538867	264.7672	20.64695	0.1	1.048	0.081	0.655	20.09	20.6	0.5084918	0.02	85.9	68.26
8/1/2010 21:00	15679	1_60	2010	213	2100	2.117277	291.3172	7.917138	0.082	3.476	0.157	2.817	19.47	19.83	0.3557971	0.05	90.2	67.15
8/1/2010 22:00	15680	1_60	2010	213	2200	1.332047	223.9457	18.51288	0.011	1.193	1.303	3.505	18.95	19.08	0.1339473	0.04	92.9	66.18
8/1/2010 23:00	15681	1_60	2010	213	2300	1.211875	148.8148	26.33926	0.059	0.707	0.737	1.986	18.5	18.75	0.2535481	0	92.6	65.22
8/2/2010 0:00	15682	1_60	2010	214	0	0.897782	306.0199	26.58894	0	0.062	0.002	0.054	18.62	18.71	0.09429653	0	94.1	65.59
8/2/2010 1:00	15683	1_60	2010	214	100	1.291739	176.3813	18.64004	-0.001	0.082	0.077	0.463	18.5	18.74	0.2425638	0	94	65.28
8/2/2010 2:00	15684	1_60	2010	214	200	1.274961	148.7993	11.19115	0.017	0.344	0.025	0.274	18.5	18.66	0.1603512	0	94.2	65.34
8/2/2010 3:00	15685	1_60	2010	214	300	1.371469	102.9469	26.18519	0.237	1.571	0.296	1.411	18.42	18.54	0.1198369	0	94.4	65.19
8/2/2010 4:00	15686	1_60	2010	214	400	1.251129	126.5774	18.18919	0.085	1.795	0.604	2.331	18.37	18.61	0.2458263	0	93.6	64.95
8/2/2010 5:00	15687	1_60	2010	214	500	0.6418819	163.979	26.00611	0.003	0.065	0.008	0.11	18.35	18.57	0.2187789	0	93	65.07
8/2/2010 6:00	15688	1_60	2010	214	600	1.312168	313.6783	11.1598	0.047	0.847	0.012	0.608	17.94	18.2	0.2551441	0	94.1	64.48
8/2/2010 7:00	15689	1_60	2010	214	700	0.703089	273.1147	30.92718	-0.008	1.244	0.034	0.405	18.69	18.57	-0.1199203	0	93.6	65.81
8/2/2010 8:00	15690	1_60	2010	214	800	0.4098833	53.13369	30.88845	1.102	5.554	0.799	4.158	19.36	19.15	-0.2085761	0	87.3	67.84
8/2/2010 9:00	15691	1_60	2010	214	900	0.8042636	134.3527	27.23832	3.511	10.51	4.308	10.35	20.29	19.93	-0.3598038	0	83.2	68.96
8/2/2010 10:00	15692	1_60	2010	214	1000	1.34189	113.8443	25.37426	5.09	19.62	5.899	19.06	21.69	21.11	-0.5884979	0	72.41	71.76
8/2/2010 11:00	15693	1_60	2010	214	1100	2.127009	119.9413	23.27556	7.552	23.6	12.84	25.44	23.04	22.33	-0.710543	0	66.34	73.94
8/2/2010 12:00	15694	1_60	2010	214	1200	5.177243	122.1352	12.72781	13.79	26.25	24.6	28.74	22.44	22.17	-0.2713415	0	69.26	72.47
8/2/2010 13:00	15695	1_60	2010	214	1300	5.579051	109.4573	6.329415	15.92	23.66	23.5	26.5	20.11	19.97	-0.1371364	0.03	82.5	68.35
8/2/2010 14:00	15696	1_60	2010	214	1400	4.601336	119.7005	7.715118	9.84	19.13	15.74	21.09	18.58	18.56	-0.01720726	0.05	89.1	65.53
8/2/2010 15:00	15697	1_60	2010	214	1500	1.506867	130.984	27.65128	4.493	16.67	7.165	18.3	19.78	19.44	-0.3319177	0.01	82.9	68.27
8/2/2010 16:00	15698	1_60	2010	214	1600	1.022234	104.2571	36.12921	3.03	18.99	4.139	18.59	21.03	20.59	-0.4366332	0	73.52	70.84
8/2/2010 17:00	15699	1_60	2010	214	1700	1.717385	337.7427	39.96512	2.826	13.32	0.602	14.46	21.68	21.36	-0.3124422	0	68.68	71.62
8/2/2010 18:00	15700	1_60	2010	214	1800	1.961635	313.2542	11.96898	1.131	8.13	-0.163	7.678	21.86	21.81	-0.05038899	0	67.08	71.6
8/2/2010 19:00	15701	1_60	2010	214	1900	0.7407473	311.3754	29.48766	0.01	0.35	0.017	0.205	21.73	21.71	-0.01770225	0	68.77	71.46
8/2/2010 20:00	15702	1_60	2010	214	2000	1.773673	109.7251	12.89562	0.264	1.434	0.179	0.797	20.96	21.17	0.2071061	0	79.07	69.88
8/2/2010 21:00	15703	1_60	2010	214	2100	2.984533	123.2314	20.06499	3.166	6.923	7.655	9.82	19.26	19.76	0.5032617	0.11	84.2	66.83
8/2/2010 22:00	15704	1_60	2010	214	2200	2.125757	121.7013	17.17277	1.419	5.339	6.073	10.93	18.36	18.72	0.3560839	0.04	89.4	65.06
8/2/2010 23:00	15705	1_60	2010	214	2300	1.447328	107.1362	40.26594	0.248	1.608	1.268	4.236	18.02	18.46	0.4397409	0.01	89.8	64.51

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
7/31/2010 0:00	15634	1_60	2010	212	0	24.65	0.038	7.201	2.935	130.9	2351	13.11
7/31/2010 1:00	15635	1_60	2010	212	100	24.65	0.05	7.201	4.847	147.6	59	13.12
7/31/2010 2:00	15636	1_60	2010	212	200	24.65	0.06	7.201	4.506	129	108	13.13
7/31/2010 3:00	15637	1_60	2010	212	300	24.65	0.064	7.201	3.277	118	251	13.13
7/31/2010 4:00	15638	1_60	2010	212	400	24.65	0.064	7.201	4.028	128.9	304	13.13
7/31/2010 5:00	15639	1_60	2010	212	500	24.65	0.071	7.201	2.833	89.3	429	13.13
7/31/2010 6:00	15640	1_60	2010	212	600	24.66	11.81	7.201	2.423	93.6	529	13.14
7/31/2010 7:00	15641	1_60	2010	212	700	24.67	38.03	7.201	1.98	67.37	656	13.14
7/31/2010 8:00	15642	1_60	2010	212	800	24.68	324.5	7.2	3.652	97.8	733	13.12
7/31/2010 9:00	15643	1_60	2010	212	900	24.67	468.6	7.198	3.209	90.1	834	13.05
7/31/2010 10:00	15644	1_60	2010	212	1000	24.67	502.7	7.197	3.755	270.4	958	13.01
7/31/2010 11:00	15645	1_60	2010	212	1100	24.66	820	7.194	7.134	236.1	1041	12.98
7/31/2010 12:00	15646	1_60	2010	212	1200	24.64	940	7.185	8.09	241.9	1137	12.95
7/31/2010 13:00	15647	1_60	2010	212	1300	24.62	978	7.166	9.28	252	1221	12.94
7/31/2010 14:00	15648	1_60	2010	212	1400	24.59	841	7.146	7.066	225.2	1301	12.92
7/31/2010 15:00	15649	1_60	2010	212	1500	24.6	174.3	7.129	11.98	159.4	1433	12.92
7/31/2010 16:00	15650	1_60	2010	212	1600	24.62	193.1	7.111	6.69	9.71	1524	12.96
7/31/2010 17:00	15651	1_60	2010	212	1700	24.61	48.53	7.095	7.305	305.2	1626	13.01
7/31/2010 18:00	15652	1_60	2010	212	1800	24.61	31.43	7.084	2.15	266	1700	13.04
7/31/2010 19:00	15653	1_60	2010	212	1900	24.62	13.96	7.079	2.492	75.72	1844	13.06
7/31/2010 20:00	15654	1_60	2010	212	2000	24.64	0.846	7.074	2.765	226.7	1922	13.07
7/31/2010 21:00	15655	1_60	2010	212	2100	24.67	0.037 AQ		3.277	300.6	2053	13.09
7/31/2010 22:00	15656	1_60	2010	212	2200	24.67	0.028	7.074	3.482	236.2	2106	13.11
7/31/2010 23:00	15657	1_60	2010	212	2300	24.66	0.057	7.073	2.15	241.7	2213	13.12
8/1/2010 0:00	15658	1_60	2010	213	0	24.66	0.062	7.072	2.56	159.3	2300	13.14
8/1/2010 1:00	15659	1_60	2010	213	100	24.64	0.058	7.07	3.038	82.7	51	13.15
8/1/2010 2:00	15660	1_60	2010	213	200	24.63	0.057	7.067	2.901	101.2	109	13.15
8/1/2010 3:00	15661	1_60	2010	213	300	24.63	0.054	7.066	2.321	111.8	200	13.16
8/1/2010 4:00	15662	1_60	2010	213	400	24.64	0.066	7.065	2.901	285.6	359	13.15
8/1/2010 5:00	15663	1_60	2010	213	500	24.65	0.07 AQ		4.437	313.4	413	13.14
8/1/2010 6:00	15664	1_60	2010	213	600	24.66	9.77 AQ		2.287	292.4	502	13.14
8/1/2010 7:00	15665	1_60	2010	213	700	24.67	29.69	7.064	1.058	35.78	659	13.14
8/1/2010 8:00	15666	1_60	2010	213	800	24.68	70.54 AQ		3.345	102.9	756	13.13
8/1/2010 9:00	15667	1_60	2010	213	900	24.69	217 AQ		3.413	122.3	809	13.13
8/1/2010 10:00	15668	1_60	2010	213	1000	24.68	486.7	7.069	2.321	114.4	904	13.1
8/1/2010 11:00	15669	1_60	2010	213	1100	24.67	374.1	7.069	2.492	354.4	1012	13.05
8/1/2010 12:00	15670	1_60	2010	213	1200	24.66	298	7.068	4.267	111.1	1125	13.03
8/1/2010 13:00	15671	1_60	2010	213	1300	24.64	828 AQ		4.13	320.7	1253	13.02
8/1/2010 14:00	15672	1_60	2010	213	1400	24.64	612.4	7.07	13.52	315	1326	12.99
8/1/2010 15:00	15673	1_60	2010	213	1500	24.63	695.5	7.07	9.56	302.1	1408	12.99
8/1/2010 16:00	15674	1_60	2010	213	1600	24.62	144.9	7.068	10.14	132.7	1552	12.99
8/1/2010 17:00	15675	1_60	2010	213	1700	24.62	66.74	7.059	9.93	130.2	1630	13.04
8/1/2010 18:00	15676	1_60	2010	213	1800	24.63	127.8	7.045	7.27	112.8	1704	13.07
8/1/2010 19:00	15677	1_60	2010	213	1900	24.65	15.08	7.039	3.789	102.9	1800	13.08
8/1/2010 20:00	15678	1_60	2010	213	2000	24.67	0.887 AQ		2.458	271.9	1946	13.09
8/1/2010 21:00	15679	1_60	2010	213	2100	24.69	0.016 AQ		3.789	301.9	2021	13.11
8/1/2010 22:00	15680	1_60	2010	213	2200	24.68	0.034 AQ		2.799	177.2	2148	13.11
8/1/2010 23:00	15681	1_60	2010	213	2300	24.69	0.046	7.066	2.458	151.7	2202	13.12
8/2/2010 0:00	15682	1_60	2010	214	0	24.69	0.058	7.067	1.57	342.4	2330	13.13
8/2/2010 1:00	15683	1_60	2010	214	100	24.7	0.061	7.067	2.253	158	51	13.13
8/2/2010 2:00	15684	1_60	2010	214	200	24.69	0.058	7.066	2.048	79	105	13.13
8/2/2010 3:00	15685	1_60	2010	214	300	24.7	0.059	7.066	2.116	59.63	212	13.13
8/2/2010 4:00	15686	1_60	2010	214	400	24.7	0.061	7.066	2.458	128.6	316	13.13
8/2/2010 5:00	15687	1_60	2010	214	500	24.72	0.069	7.065	1.843	145	417	13.13
8/2/2010 6:00	15688	1_60	2010	214	600	24.72	19.93	7.065	2.628	310.9	549	13.14
8/2/2010 7:00	15689	1_60	2010	214	700	24.74	90.9	7.064	1.809	293.5	609	13.13
8/2/2010 8:00	15690	1_60	2010	214	800	24.75	148.4	7.064	1.365	172.6	759	13.11
8/2/2010 9:00	15691	1_60	2010	214	900	24.75	240	7.064	1.843	112.3	837	13.09
8/2/2010 10:00	15692	1_60	2010	214	1000	24.75	470.3	7.064	3.618	94.7	956	13.06
8/2/2010 11:00	15693	1_60	2010	214	1100	24.75	556.4	7.064	4.608	115.1	1035	13.03
8/2/2010 12:00	15694	1_60	2010	214	1200	24.75	180.8	7.063	9.56	120.8	1153	13.02
8/2/2010 13:00	15695	1_60	2010	214	1300	24.76	149.3 AQ		8.5	109.2	1202	13.05
8/2/2010 14:00	15696	1_60	2010	214	1400	24.76	129.2 AQ		7.817	103.5	1308	13.1
8/2/2010 15:00	15697	1_60	2010	214	1500	24.72	424.1	7.099	4.267	129.8	1404	13.11
8/2/2010 16:00	15698	1_60	2010	214	1600	24.71	388.4	7.099	3.004	137.3	1534	13.07
8/2/2010 17:00	15699	1_60	2010	214	1700	24.72	264.7	7.098	4.096	298	1658	13.05
8/2/2010 18:00	15700	1_60	2010	214	1800	24.71	90.3	7.097	4.13	305.3	1704	13.05
8/2/2010 19:00	15701	1_60	2010	214	1900	24.72	54.75	7.097	1.707	165.9	1855	13.05
8/2/2010 20:00	15702	1_60	2010	214	2000	24.74	5.385	7.097	2.662	85.3	1923	13.06
8/2/2010 21:00	15703	1_60	2010	214	2100	24.77	0.056 AQ		5.666	102	2032	13.08
8/2/2010 22:00	15704	1_60	2010	214	2200	24.76	0.017 AQ		5.12	159.5	2117	13.12
8/2/2010 23:00	15705	1_60	2010	214	2300	24.74	0.041 AQ		3.413	142.2	2258	13.13

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/3/2010 0:00	15706	1_60	2010	215	0	2.376159	101.2784	11.57147	4.029	8.46	5.286	8.87	18.02	18.21	0.1910923	0.02	91.8	64.42
8/3/2010 1:00	15707	1_60	2010	215	100	3.320027	125.1812	31.60382	4.138	11.67	10.49	15.55	17.9	18.4	0.495413	0.01	88.8	64.41
8/3/2010 2:00	15708	1_60	2010	215	200	2.712249	260.6442	13.02162	1.039	6.223	2.137	7.489	17.32	17.81	0.4910454	0	92.3	63.24
8/3/2010 3:00	15709	1_60	2010	215	300	1.278742	123.534	42.78526	0.108	1.967	0.313	2.206	16.99	17.66	0.6679615	0	91.9	62.67
8/3/2010 4:00	15710	1_60	2010	215	400	0.8819704	200.8964	34.67556	0.008	0.232	0.142	1.012	16.48	17.26	0.781499	0	92.7	61.71
8/3/2010 5:00	15711	1_60	2010	215	500	1.958576	133.1712	14.72377	0.495	3.669	2.445	5.291	15.98	16.63	0.6558356	0	93.7	60.86
8/3/2010 6:00	15712	1_60	2010	215	600	1.80128	85.36033	9.73994	0.074	0.743	0.071	0.628	16.04	16.44	0.406057	0	93.4	60.97
8/3/2010 7:00	15713	1_60	2010	215	700	1.293649	215.0015	27.38553	0.174	1.988	1.691	4.89	16.28	16.41	0.1299455	0	93.8	61.51
8/3/2010 8:00	15714	1_60	2010	215	800	0.9487599	340.4095	22.60899	0.109	3.302	-0.22	3.388	17.2	16.99	-0.2006792	0	90.6	63.64
8/3/2010 9:00	15715	1_60	2010	215	900	0.5522462	326.1681	32.6902	2.169	14.75	2.479	13.81	18.66	18.4	-0.2650371	0	79.01	67.66
8/3/2010 10:00	15716	1_60	2010	215	1000	0.8020458	323.1092	65.28996	2.501	26.45	1.186	27.44	21.28	20.79	-0.4894757	0	67.78	72.56
8/3/2010 11:00	15717	1_60	2010	215	1100	1.022717	103.3294	50.61327	1.681	27.19	2.06	28.38	23.22	22.61	-0.6127574	0	60.75	75.7
8/3/2010 12:00	15718	1_60	2010	215	1200	1.268844	29.10578	58.47503	2.72	31.02	0.528	31.34	24.85	24.15	-0.7005497	0	54.45	78.59
8/3/2010 13:00	15719	1_60	2010	215	1300	1.111975	15.67629	76.07739	7.793	25.93	7.022	26.76	26.47	25.77	-0.6957088	0	48.29	81.7
8/3/2010 14:00	15720	1_60	2010	215	1400	1.740027	234.6555	72.63941	6.181	31.15	10.15	32.73	27.83	26.89	-0.9417598	0	39.82	83.3
8/3/2010 15:00	15721	1_60	2010	215	1500	2.298584	301.241	50.36524	2.427	29.59	4.195	33.21	28.45	27.67	-0.7795449	0	36.99	84.4
8/3/2010 16:00	15722	1_60	2010	215	1600	4.36129	289.6861	18.98216	-0.231	26.25	-1.554	30.25	28.21	27.65	-0.5543416	0	39.88	83.2
8/3/2010 17:00	15723	1_60	2010	215	1700	1.652955	236.6037	31.77309	3.811	20.79	7.277	23.88	28.65	28.13	-0.5231816	0	35.05	84.6
8/3/2010 18:00	15724	1_60	2010	215	1800	4.240171	200.7478	10.31388	1.353	22.45	26.38	23.09	27.63	27.27	-0.3558163	0	44.75	82
8/3/2010 19:00	15725	1_60	2010	215	1900	3.495642	208.6991	10.93148	3.375	19.58	22.96	20.84	27.05	26.98	-0.06346111	0	46.26	81
8/3/2010 20:00	15726	1_60	2010	215	2000	1.676056	169.7527	32.55283	1.927	18.6	7.189	20.04	25.27	25.57	0.2993076	0	50.75	77.66
8/3/2010 21:00	15727	1_60	2010	215	2100	1.993128	135.3417	15.966	1.03	5.814	5.303	9.53	23.22	24.22	0.9989285	0	59.73	74.11
8/3/2010 22:00	15728	1_60	2010	215	2200	1.676935	139.2222	27.06674	0.428	10.72	3.994	12.69	22.53	23.14	0.6104592	0	61.07	72.7
8/3/2010 23:00	15729	1_60	2010	215	2300	1.759062	142.5313	23.38484	1.153	6.711	4.736	10.27	21.33	22.39	1.059237	0	67.96	70.63
8/4/2010 0:00	15730	1_60	2010	216	0	3.241293	119.7887	17.57265	5.537	13.22	11.84	15.07	20.64	21.33	0.6832916	0	70.39	69.33
8/4/2010 1:00	15731	1_60	2010	216	100	3.130755	128.1463	9.882407	4.143	11.38	10.17	12.43	20.09	20.94	0.848405	0	70.1	68.42
8/4/2010 2:00	15732	1_60	2010	216	200	1.347552	52.48072	42.65038	0.413	12.87	0.674	11.95	19.14	19.75	0.6128302	0	75.18	66.74
8/4/2010 3:00	15733	1_60	2010	216	300	2.522501	126.0739	21.77111	1.38	6.627	6.671	9.73	17.7	18.72	1.018582	0	81.8	64.03
8/4/2010 4:00	15734	1_60	2010	216	400	2.389211	114.2975	21.88072	1.3	5.746	4.914	8.64	17.39	18.1	0.7123612	0	78.89	63.53
8/4/2010 5:00	15735	1_60	2010	216	500	2.046939	118.3401	32.18161	0.755	2.916	4.507	6.439	16.49	17.49	1.002318	0	83.3	61.88
8/4/2010 6:00	15736	1_60	2010	216	600	2.328651	140.6286	9.244712	1.118	5.225	6.337	8.68	16.18	17.43	1.250528	0	85.3	61.31
8/4/2010 7:00	15737	1_60	2010	216	700	3.310135	128.9776	9.524665	5.781	12.73	13.69	13.36	17.76	17.9	0.1371925	0	76.52	64.01
8/4/2010 8:00	15738	1_60	2010	216	800	1.833581	27.24598	24.34644	4.41	12.02	2.64	11.38	19.24	19.02	-0.2167622	0	72.3	67.09
8/4/2010 9:00	15739	1_60	2010	216	900	2.053823	295.2067	19.93529	0.655	18.17	0.01	19.29	20.23	19.77	-0.4584291	0	65.83	69.19
8/4/2010 10:00	15740	1_60	2010	216	1000	1.205955	290.7499	33.61723	1.241	22.35	1.49	22.69	21.8	21.39	-0.4102322	0	58.3	72.57
8/4/2010 11:00	15741	1_60	2010	216	1100	0.8359237	3.997824	50.74443	-0.032	28.53	-2.723	31.72	24.26	23.79	-0.4766535	0	48.67	78.26
8/4/2010 12:00	15742	1_60	2010	216	1200	1.53736	287.1472	65.10473	0.136	34.33	1.71	35.73	27.03	26.37	-0.6526701	0	42.05	82.3
8/4/2010 13:00	15743	1_60	2010	216	1300	3.112459	234.4661	31.2151	0.959	33.54	13.11	34.77	29.38	28.26	-1.117306	0	33.32	85.6
8/4/2010 14:00	15744	1_60	2010	216	1400	3.452836	211.7952	20.71503	1.465	32.1	18.5	37.21	30.26	29.1	-1.157547	0	29.58	86.8
8/4/2010 15:00	15745	1_60	2010	216	1500	3.342333	250.6724	17.68942	0.816	25.6	9.39	28.54	29.11	28.75	-0.3635514	0	34.44	84.8
8/4/2010 16:00	15746	1_60	2010	216	1600	8.291438	126.4153	14.51324	21.04	46.31	32.95	50.24	26.43	25.89	-0.5473146	0	36.37	79.67
8/4/2010 17:00	15747	1_60	2010	216	1700	6.829832	142.3123	16.99056	12.14	32.22	38.87	36.48	20.18	20.4	0.2226472	0.18	65.24	68.65
8/4/2010 18:00	15748	1_60	2010	216	1800	3.60999	148.1079	59.89811	2.055	18.2	13.36	26.51	16.13	16.62	0.4865802	0.86	90.6	60.65
8/4/2010 19:00	15749	1_60	2010	216	1900	3.853986	127.556	23.85929	7.285	17.45	18.23	20.15	17.71	18.09	0.3709921	0.01	85.4	63.75
8/4/2010 20:00	15750	1_60	2010	216	2000	3.320756	133.5358	12.42335	4.941	15.23	15.2	19.31	17.36	17.79	0.4347908	0	84.2	63.25
8/4/2010 21:00	15751	1_60	2010	216	2100	3.94265	136.4766	11.82476	6.744	18.8	17.8	20.5	16.95	17.27	0.3182715	0	85.8	62.67
8/4/2010 22:00	15752	1_60	2010	216	2200	1.033696	244.3552	48.59437	0.214	1.889	0.21	2.002	16.89	17.27	0.3791069	0	87	62.44
8/4/2010 23:00	15753	1_60	2010	216	2300	2.83883	305.6543	17.38204	1.412	9.02	-0.268	9.27	16.69	16.99	0.2994001	0.01	87.3	62.07
8/5/2010 0:00	15754	1_60	2010	217	0	2.874733	277.8799	17.82332	1.173	12.63	4.144	13.4	16.2	16.32	0.1187824	0.02	92.1	61.16
8/5/2010 1:00	15755	1_60	2010	217	100	3.315898	100.1699	36.98046	4.778	16.28	11.32	20.13	16.11	16.25	0.1383835	0.11	91.8	61.07
8/5/2010 2:00	15756	1_60	2010	217	200	4.225296	121.5147	11.06807	8.34	16.32	18.21	18.51	15.97	16.52	0.5542557	0	85.3	60.9
8/5/2010 3:00	15757	1_60	2010	217	300	2.227779	39.05168	29.39686	0.454	2.892	0.322	3.385	15.56	16.16	0.6016226	0	89.7	60.26
8/5/2010 4:00	15758	1_60	2010	217	400	2.455342	280.7167	11.05279	0.204	3.02	0.942	3.601	14.97	15.7	0.7286972	0	93	58.96
8/5/2010 5:00	15759	1_60	2010	217	500	1.716613	293.4123	39.78522	0.165	4.166	0.853	5.223	14.88	15.09	0.2128962	0	93.9	58.92
8/5/2010 6:00	15760	1_60	2010	217	600	1.688462	112.891	22.19678	0.472	3.624	3.026	6.865	15.34	15.39	0.05779622	0	94.8	59.56
8/5/2010 7:00	15761	1_60	2010	217	700	3.881176	126.9578	8.028948	6.52	12.82	15.76	14.2	15.94	16.15	0.2082373	0	90.2	60.72
8/5/2010 8:00	15762	1_60	2010	217	800	2.860252	119.9287	12.01666	4.632	13.11	9.64	14.58	16.89	16.89	0.000311968	0	86.8	62.52
8/5/2010 9:00	15763	1_60	2010	217	900	3.074719	104.0663	12.20855	7.105	16.17	9.95	19.28	18.26	17.94	-0.3195594	0	77.52	65.17
8/5/2010 10:00	15764	1_60	2010	217	1000	1.615951	144.5995	40.54718	1.239	18.36	5.964	21.26	20.19	19.52	-0.668932	0	63.23	68.89
8/5/2010 11:00	15765	1_60	2010	217	1100	2.718853	325.3927	24.47271	4.198	26.24	-1.495	27.44	20.82	20.12	-0.698758	0	64.93	70.59
8/5/2010 12:00	15766	1_60	2010	217	1200	2.909235	303.0891	28.46516	4.345	37.29	1.17	39.48	22.45	21.69	-0.7543299	0	58.59	73.22
8/5/2010 13:00	15767	1_60	2010	217	1300	2.536669	306.3235	37.94674	-0.462	28.83	-3.157	31.48	24.03	23.31	-0.7220715	0	43.45	76.31
8/5/2010 14:00	15768	1_60	2010	217	1400	1.771285	321.8225	43.26292	4.569	31.6	1.645	33.51	24.96	24.25	-0.7051926	0	37.55	78.4
8/5/2010 15:00	15769	1_60	2010	217	1500	1.618168	9.464276	51.98639	1.637	27.29	-5.902	27.7	25.83	25.2	-0.6355973	0	32.35	80.3
8/5/2010 16:00	15770	1_60	2010	217	1600	1.706345	31.58928	46.55166	3.544	24.77	-2.836	28.05	26.78	26.16	-0.6203669	0	31.23	81.9
8/5/2010 17:00	15771	1_60	2010	217	1700	2.144358	94.95763	32.91174	4.042	24.27	3.674	27.86	27.14	26.58	-0.557263	0	30.84	81.6
8/5/2010 18:00	15772	1_60	2010	217	1800	1.603178	227.5757	19.18176	-0.902	14.86	3.269	17.67	26.96	26.59	-0.3767306	0	30.61	82
8/5/2010 19:00	15773	1_60	2010	217	1900	1.834861	276.7897	13.07919	1.53	6.462	4.364	9.55	25.63	25.66	0.03368963	0	39.8	79.54
8/5/2010 20:00	15774	1_60	2010	217	2000	1.35277	249.0812	10.593	-0.006	0.18	-0.01	0.277	21.65	23.16	1.505381	0	61.55	71.57
8/5/2010 21:00	15775	1_60	2010	217	2100	0.8303178	233.2778	33.17516	-0.016	0.634	-0.026	0.857	20.41	22.71	2.296281	0	65.91	68.9
8/5/2010 22:00	15776	1_60	2010	217	2200	2.423427	154.7174	14.20397	0.422	3.922	6.004	8.12	18.98	20.9	1.925047	0	73.03	66.61
8/5/2010 23:00	15777	1_60	2010	217	2300	3.204418	127.6926	7.814748	2.125	4.956	11.81	8.44	18.49	20.09	1.592797	0	73.12	65.58

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/3/2010 0:00	15706	1_60	2010	215	0	24.73	0.05	AQ	5.973	117	2358	13.14
8/3/2010 1:00	15707	1_60	2010	215	100	24.73	0.062	AQ	6.212	117.5	24	13.15
8/3/2010 2:00	15708	1_60	2010	215	200	24.74	0.064	7.226	6.007	315.2	101	13.15
8/3/2010 3:00	15709	1_60	2010	215	300	24.74	0.063	7.226	2.799	257.3	238	13.16
8/3/2010 4:00	15710	1_60	2010	215	400	24.76	0.056	7.225	1.911	176.5	302	13.17
8/3/2010 5:00	15711	1_60	2010	215	500	24.77	0.055	7.225	3.243	121.8	420	13.18
8/3/2010 6:00	15712	1_60	2010	215	600	24.79	12.23	7.224	2.867	85.5	528	13.19
8/3/2010 7:00	15713	1_60	2010	215	700	24.81	57.88	7.224	3.14	139.6	608	13.19
8/3/2010 8:00	15714	1_60	2010	215	800	24.81	168.1	BA	1.877	19.89	759	13.12
8/3/2010 9:00	15715	1_60	2010	215	900	24.81	407.8	BA	1.775	35.74	801	13.07
8/3/2010 10:00	15716	1_60	2010	215	1000	24.8	739.8	7.292	2.185	321.4	900	13.05
8/3/2010 11:00	15717	1_60	2010	215	1100	24.79	883	7.291	2.697	50.85	1012	13.01
8/3/2010 12:00	15718	1_60	2010	215	1200	24.78	967	7.29	4.062	143.6	1133	12.97
8/3/2010 13:00	15719	1_60	2010	215	1300	24.76	996	7.29	4.983	3.184	1234	12.94
8/3/2010 14:00	15720	1_60	2010	215	1400	24.74	959	7.29	4.847	222.5	1301	12.92
8/3/2010 15:00	15721	1_60	2010	215	1500	24.72	855	7.288	5.905	255	1449	12.9
8/3/2010 16:00	15722	1_60	2010	215	1600	24.71	441.7	7.27	7.919	309.8	1521	12.9
8/3/2010 17:00	15723	1_60	2010	215	1700	24.71	427	7.249	4.13	333.3	1603	12.92
8/3/2010 18:00	15724	1_60	2010	215	1800	24.71	223.7	7.233	6.827	210	1753	12.93
8/3/2010 19:00	15725	1_60	2010	215	1900	24.71	120.8	7.211	6.758	205	1803	12.95
8/3/2010 20:00	15726	1_60	2010	215	2000	24.72	6.256	7.196	5.052	208.3	1900	12.98
8/3/2010 21:00	15727	1_60	2010	215	2100	24.73	0.041	7.186	3.482	138.3	2030	13.01
8/3/2010 22:00	15728	1_60	2010	215	2200	24.74	0.04	7.176	3.55	93.1	2137	13.04
8/3/2010 23:00	15729	1_60	2010	215	2300	24.74	0.039	7.167	4.13	141.8	2207	13.07
8/4/2010 0:00	15730	1_60	2010	216	0	24.73	0.058	7.16	5.837	121.3	2351	13.09
8/4/2010 1:00	15731	1_60	2010	216	100	24.73	0.06	7.153	5.53	126.6	0	13.1
8/4/2010 2:00	15732	1_60	2010	216	200	24.73	0.044	7.149	3.311	102.7	103	13.11
8/4/2010 3:00	15733	1_60	2010	216	300	24.75	0.028	7.145	5.086	124.8	258	13.14
8/4/2010 4:00	15734	1_60	2010	216	400	24.75	0.05	7.141	4.949	122.7	301	13.15
8/4/2010 5:00	15735	1_60	2010	216	500	24.77	0.065	7.138	3.721	119.9	400	13.17
8/4/2010 6:00	15736	1_60	2010	216	600	24.78	14.45	7.135	5.154	122	554	13.18
8/4/2010 7:00	15737	1_60	2010	216	700	24.79	80.1	7.132	5.495	120.9	628	13.18
8/4/2010 8:00	15738	1_60	2010	216	800	24.8	204.4	7.131	3.14	288.5	753	13.15
8/4/2010 9:00	15739	1_60	2010	216	900	24.79	418.7	7.128	3.652	287	829	13.1
8/4/2010 10:00	15740	1_60	2010	216	1000	24.79	469.4	7.126	2.662	275	904	13.05
8/4/2010 11:00	15741	1_60	2010	216	1100	24.76	848	7.123	2.458	45.37	1053	13.01
8/4/2010 12:00	15742	1_60	2010	216	1200	24.72	952	7.118	4.574	310.5	1138	12.96
8/4/2010 13:00	15743	1_60	2010	216	1300	24.7	1005	7.108	6.485	277.1	1234	12.93
8/4/2010 14:00	15744	1_60	2010	216	1400	24.67	814	7.089	6.895	230.3	1326	12.91
8/4/2010 15:00	15745	1_60	2010	216	1500	24.67	356.6	7.064	6.963	278.7	1414	12.91
8/4/2010 16:00	15746	1_60	2010	216	1600	24.7	422.1	7.04	14.92	101.8	1551	12.93
8/4/2010 17:00	15747	1_60	2010	216	1700	24.75	36.76	AQ	12.66	115.1	1612	13
8/4/2010 18:00	15748	1_60	2010	216	1800	24.74	12.68	AQ	9.25	191.4	1700	13.08
8/4/2010 19:00	15749	1_60	2010	216	1900	24.76	45.99	AQ	6.827	141.7	1856	12.57
8/4/2010 20:00	15750	1_60	2010	216	2000	24.78	0.805	7.663	7.646	139.7	1909	13.13
8/4/2010 21:00	15751	1_60	2010	216	2100	24.8	0.059	7.663	6.485	109.6	2009	13.17
8/4/2010 22:00	15752	1_60	2010	216	2200	24.81	0.065	7.662	4.062	295.5	2155	13.18
8/4/2010 23:00	15753	1_60	2010	216	2300	24.81	0.117	AQ	6.212	302.7	2236	13.18
8/5/2010 0:00	15754	1_60	2010	217	0	24.83	0.065	AQ	6.315	294.4	2329	13.18
8/5/2010 1:00	15755	1_60	2010	217	100	24.76	0.065	AQ	6.622	156.6	50	13.18
8/5/2010 2:00	15756	1_60	2010	217	200	24.77	0.065	7.785	7.578	125.2	122	13.19
8/5/2010 3:00	15757	1_60	2010	217	300	24.77	0.063	7.785	4.028	347.9	241	13.19
8/5/2010 4:00	15758	1_60	2010	217	400	24.78	0.058	7.784	4.233	305.5	302	13.21
8/5/2010 5:00	15759	1_60	2010	217	500	24.79	0.078	7.784	3.379	320.6	412	13.21
8/5/2010 6:00	15760	1_60	2010	217	600	24.81	8.04	7.784	4.301	133.4	557	13.21
8/5/2010 7:00	15761	1_60	2010	217	700	24.82	46.94	7.784	6.349	131.5	646	13.2
8/5/2010 8:00	15762	1_60	2010	217	800	24.82	136.3	7.784	6.519	120.5	756	13.15
8/5/2010 9:00	15763	1_60	2010	217	900	24.79	346.5	7.784	6.554	131.5	801	13.15
8/5/2010 10:00	15764	1_60	2010	217	1000	24.8	547.1	7.784	3.755	107.8	904	13.11
8/5/2010 11:00	15765	1_60	2010	217	1100	24.81	727.3	7.784	5.734	330.3	1031	13.06
8/5/2010 12:00	15766	1_60	2010	217	1200	24.78	951	7.784	7.031	291.5	1113	13.03
8/5/2010 13:00	15767	1_60	2010	217	1300	24.76	989	7.784	5.769	276.8	1212	13
8/5/2010 14:00	15768	1_60	2010	217	1400	24.74	953	7.784	5.359	353.1	1359	12.97
8/5/2010 15:00	15769	1_60	2010	217	1500	24.71	836	7.778	5.12	25.45	1401	12.95
8/5/2010 16:00	15770	1_60	2010	217	1600	24.69	681.4	7.762	4.301	47.94	1523	12.93
8/5/2010 17:00	15771	1_60	2010	217	1700	24.68	432.4	7.742	4.983	70.97	1618	12.93
8/5/2010 18:00	15772	1_60	2010	217	1800	24.66	274.3	7.726	3.584	220.3	1708	12.94
8/5/2010 19:00	15773	1_60	2010	217	1900	24.67	98.7	7.71	3.482	299.8	1848	12.96
8/5/2010 20:00	15774	1_60	2010	217	2000	24.67	3.12	7.699	1.843	265.4	1900	13
8/5/2010 21:00	15775	1_60	2010	217	2100	24.69	0.041	7.689	2.458	200.1	2046	13.05
8/5/2010 22:00	15776	1_60	2010	217	2200	24.69	0.053	7.679	4.028	104.8	2130	13.09
8/5/2010 23:00	15777	1_60	2010	217	2300	24.7	0.042	7.669	4.71	115.4	2223	13.12

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/6/2010 0:00	15778	1_60	2010	218	0	4.100635	126.7277	7.302884	7.705	13.53	18.2	13.5	18.52	19.36	0.8388966	0	69.36	65.48
8/6/2010 1:00	15779	1_60	2010	218	100	3.673875	121.8458	7.427651	5.243	9.05	13.42	11.18	17.55	18.32	0.7683069	0	73.07	63.85
8/6/2010 2:00	15780	1_60	2010	218	200	1.739943	49.32293	46.25369	0.165	2.12	0.64	2.749	16.55	17.39	0.8382179	0	78.28	62.04
8/6/2010 3:00	15781	1_60	2010	218	300	2.746844	121.3638	12.63388	1.548	5.363	5.321	8.9	15.26	16.28	1.021334	0	86.8	59.65
8/6/2010 4:00	15782	1_60	2010	218	400	3.322246	122.1627	11.48169	5.027	9.25	12.77	11.14	15.93	16.86	0.9345331	0	78.55	60.86
8/6/2010 5:00	15783	1_60	2010	218	500	1.981091	100.1013	34.77655	1.317	5.348	2.159	6.025	15.16	15.82	0.6649727	0	80.9	59.62
8/6/2010 6:00	15784	1_60	2010	218	600	1.844358	71.36813	24.87494	0.038	1.223	0.805	3.153	14.18	14.91	0.7235518	0	88.5	57.69
8/6/2010 7:00	15785	1_60	2010	218	700	1.434988	105.3846	39.0403	2.322	9.25	1.393	9.76	16.61	16.41	-0.2075343	0	77.37	62.84
8/6/2010 8:00	15786	1_60	2010	218	800	1.682512	118.5922	25.84193	1.078	15.01	2.277	16.2	19.59	19.18	-0.409839	0	56.6	68.37
8/6/2010 9:00	15787	1_60	2010	218	900	0.9322087	93.57858	44.93605	-1.609	18.4	-1.819	19.98	21.22	20.8	-0.4226461	0	49.45	72.45
8/6/2010 10:00	15788	1_60	2010	218	1000	1.420453	333.8194	31.0809	6.565	22.74	2.884	23.95	22.81	22.3	-0.510384	0	49.39	74.81
8/6/2010 11:00	15789	1_60	2010	218	1100	1.177539	5.021057	43.30168	-0.958	25.08	-4.555	24.29	24.83	24.23	-0.6003234	0	42.99	78.91
8/6/2010 12:00	15790	1_60	2010	218	1200	1.411466	157.6523	59.10633	2.689	32.84	5.32	33.5	27.34	26.51	-0.8266104	0	35.82	82.9
8/6/2010 13:00	15791	1_60	2010	218	1300	1.57562	275.6637	43.56313	5.247	27.89	6.481	28.08	28.96	28.22	-0.7468437	0	30.22	85.8
8/6/2010 14:00	15792	1_60	2010	218	1400	4.047939	288.2549	45.39712	7.049	31.65	7.29	32.73	28.85	28.39	-0.4621915	0	29.59	84.8
8/6/2010 15:00	15793	1_60	2010	218	1500	5.88197	290.2154	28.78074	7.058	34.43	9.54	39.63	22.25	22.14	-0.1054278	0.04	54.34	72.27
8/6/2010 16:00	15794	1_60	2010	218	1600	2.651752	156.9944	16.66796	4.005	24	15.15	26.23	26.14	25.27	-0.8739574	0	38.51	78.75
8/6/2010 17:00	15795	1_60	2010	218	1700	2.035736	117.9907	32.0257	5.945	24.85	5.203	25.28	27.76	27.22	-0.5402511	0	27.34	82.7
8/6/2010 18:00	15796	1_60	2010	218	1800	2.186919	130.7399	13.77844	1.625	6.379	6.158	8.54	26.58	26.79	0.2092321	0	33.94	80.2
8/6/2010 19:00	15797	1_60	2010	218	1900	2.121632	134.2328	19.54914	0.632	4.111	3.671	5.613	24.55	25.45	0.9024693	0	45.4	76.58
8/6/2010 20:00	15798	1_60	2010	218	2000	3.924065	296.5428	23.76664	4.038	17.86	3.65	20.15	23.55	24.23	0.6772043	0	43.58	74.64
8/6/2010 21:00	15799	1_60	2010	218	2100	1.859802	238.0738	28.13952	-0.561	9.01	4.256	12.63	22.58	23.51	0.9286745	0	44.89	72.82
8/6/2010 22:00	15800	1_60	2010	218	2200	2.008433	127.0212	25.37784	0.681	5.73	2.411	7.538	20.8	21.93	1.134787	0	52.77	69.99
8/6/2010 23:00	15801	1_60	2010	218	2300	1.433226	291.4023	52.04758	0.097	4.312	0.126	4.954	19.26	21	1.742789	0	61.18	66.72
8/7/2010 0:00	15802	1_60	2010	219	0	1.487063	120.5709	46.91883	0.188	2.581	1.498	5.474	18.24	19.55	1.31511	0	65.36	64.76
8/7/2010 1:00	15803	1_60	2010	219	100	0.9258395	93.22694	41.87085	0.051	2.339	0.044	1.894	17.19	19.1	1.906351	0	69.69	63.29
8/7/2010 2:00	15804	1_60	2010	219	200	2.004157	128.8858	21.56776	0.081	1.338	0.705	2.755	16.15	17.62	1.470179	0	75.43	61.52
8/7/2010 3:00	15805	1_60	2010	219	300	1.301675	129.8983	39.07223	0.221	3.359	0.888	4.81	15.97	17.81	1.837837	0	76.27	60.89
8/7/2010 4:00	15806	1_60	2010	219	400	1.064619	163.5478	60.11763	-0.196	5.526	0.011	6.079	15.66	16.92	1.263017	0	78.98	60.21
8/7/2010 5:00	15807	1_60	2010	219	500	0.7022884	276.1996	49.89698	0.329	3.228	0.012	2.677	15.36	16.53	1.172588	0	80.7	59.64
8/7/2010 6:00	15808	1_60	2010	219	600	1.123723	125.4955	28.2607	-0.032	1.801	0.439	2.964	15.3	16.27	0.9730779	0	81.8	59.57
8/7/2010 7:00	15809	1_60	2010	219	700	0.8418694	76.2194	28.08866	0.896	4.149	0.254	2.297	16.6	16.68	0.08270686	0	75.64	62.51
8/7/2010 8:00	15810	1_60	2010	219	800	0.7207501	63.71836	30.3963	1.854	9.86	0.719	9.98	19.18	18.91	-0.2688094	0	57.82	68.23
8/7/2010 9:00	15811	1_60	2010	219	900	1.495889	297.44	29.86797	1.745	15.13	1.387	15.12	20.03	19.68	-0.3419984	0	56.06	69.04
8/7/2010 10:00	15812	1_60	2010	219	1000	1.104493	277.2177	36.62465	2.178	16.64	3.003	16.46	20.75	20.4	-0.3464639	0	53.26	70.43
8/7/2010 11:00	15813	1_60	2010	219	1100	1.268105	259.9663	51.9106	2.53	19.86	2.72	20.04	22.6	22.18	-0.4148265	0	47.92	74.51
8/7/2010 12:00	15814	1_60	2010	219	1200	3.697258	308.2259	10.30882	5.047	18.91	0.63	20.69	22	21.74	-0.2675615	0	54.97	71.94
8/7/2010 13:00	15815	1_60	2010	219	1300	4.056958	309.6312	11.81638	5.137	20.39	0.949	21.83	22.5	22.04	-0.4643801	0	53.78	72.72
8/7/2010 14:00	15816	1_60	2010	219	1400	1.632508	352.2075	23.11007	2.171	7.528	1.179	6.882	22.78	22.7	-0.07770454	0	51.98	73.47
8/7/2010 15:00	15817	1_60	2010	219	1500	2.242783	269.9386	15.33227	2.174	14.18	5.772	15.84	22.16	21.97	-0.1931361	0	54.18	72.38
8/7/2010 16:00	15818	1_60	2010	219	1600	2.49128	304.9194	19.4063	-0.435	20.11	0.773	21.41	22.92	22.45	-0.4696267	0	47.74	73.98
8/7/2010 17:00	15819	1_60	2010	219	1700	4.284801	298.7519	19.87749	4.821	28.39	13.91	34.58	22.73	22.56	-0.1694994	0	48.45	73.46
8/7/2010 18:00	15820	1_60	2010	219	1800	4.392787	266.6392	15.27064	4.333	25.46	16.37	29.01	19.68	19.7	0.02014777	0.01	67.12	67.68
8/7/2010 19:00	15821	1_60	2010	219	1900	1.695938	250.6078	22.66976	-0.538	8.41	1.556	9.3	19.94	19.96	0.01765358	0	64.98	68.2
8/7/2010 20:00	15822	1_60	2010	219	2000	2.631119	298.3311	18.97267	1.571	11.87	1.394	13.71	19.33	19.58	0.2472869	0	61.08	66.93
8/7/2010 21:00	15823	1_60	2010	219	2100	1.472654	169.7654	26.20088	0.816	4.307	0.964	3.68	18.31	18.65	0.3315237	0	67.22	65.11
8/7/2010 22:00	15824	1_60	2010	219	2200	1.379203	224.76	14.24333	0.1	1.44	0.931	2.754	17.63	18.12	0.4915348	0	73.92	63.84
8/7/2010 23:00	15825	1_60	2010	219	2300	1.422572	296.5172	10.65824	-0.005	0.152	-0.001	0.072	17.62	18.21	0.5878155	0	71.56	63.81
8/8/2010 0:00	15826	1_60	2010	220	0	1.496313	294.7447	9.417882	-0.008	0.257	0.002	0.453	17.23	17.66	0.4282071	0	75.63	63.12
8/8/2010 1:00	15827	1_60	2010	220	100	0.7238796	14.06006	16.54188	0	0.073	0	0.038	17.03	17.23	0.1995237	0	76.12	62.74
8/8/2010 2:00	15828	1_60	2010	220	200	1.148137	126.5428	11.99672	0.001	0.051	0	0.029	16.84	17.18	0.3396206	0	80.9	62.35
8/8/2010 3:00	15829	1_60	2010	220	300	0.725162	220.3068	20.92584	0.033	0.603	-0.001	0.038	16.71	17.33	0.6217428	0	79.04	62.15
8/8/2010 4:00	15830	1_60	2010	220	400	1.062361	92.66091	24.48872	-0.003	0.063	0.002	0.051	16.6	16.91	0.3114413	0	84.6	61.94
8/8/2010 5:00	15831	1_60	2010	220	500	0.8257113	210.9502	19.68997	0.006	0.298	0.12	1.031	16.45	17.04	0.5859824	0	83.2	61.58
8/8/2010 6:00	15832	1_60	2010	220	600	0.9217874	289.7074	30.82963	-0.066	1.117	0.755	3.639	15.87	16.74	0.8677793	0	83.9	60.68
8/8/2010 7:00	15833	1_60	2010	220	700	1.351897	301.195	50.04786	0.123	4.009	-0.038	4.34	16.37	16.68	0.3136704	0	82.5	61.96
8/8/2010 8:00	15834	1_60	2010	220	800	0.919349	2.08161	49.21898	0.105	16.21	-1.437	17.48	17.96	17.66	-0.2999585	0	71.4	66.07
8/8/2010 9:00	15835	1_60	2010	220	900	1.390444	314.4821	34.08402	0.277	25.21	-0.563	25.06	19.57	19.08	-0.4899877	0	63.11	69.23
8/8/2010 10:00	15836	1_60	2010	220	1000	1.602499	322.0603	53.64111	2.404	27.61	1.108	29.77	20.87	20.29	-0.5808535	0	58.29	71.09
8/8/2010 11:00	15837	1_60	2010	220	1100	1.861087	349.9115	47.60351	8.16	31.67	3.785	31.43	22.3	21.58	-0.7120599	0	52.37	73.56
8/8/2010 12:00	15838	1_60	2010	220	1200	1.789122	238.5304	64.30743	-2.64	31.95	0.121	33.63	23.81	22.9	-0.9021927	0	41.39	76.01
8/8/2010 13:00	15839	1_60	2010	220	1300	1.535882	266.8803	58.47729	5.699	33.07	6.33	33.29	25.47	24.64	-0.8281903	0	30.44	79.27
8/8/2010 14:00	15840	1_60	2010	220	1400	2.284565	323.4232	36.08413	4.849	34.14	0.994	35.21	26.45	25.6	-0.8442531	0	31.38	80.6
8/8/2010 15:00	15841	1_60	2010	220	1500	2.464308	269.2206	33.11479	1.334	34.39	3.969	36.38	27.37	26.45	-0.9186152	0	26.98	82.1
8/8/2010 16:00	15842	1_60	2010	220	1600	2.582008	288.3417	31.62614	4.582	31.84	4.557	33.32	28.08	27.21	-0.8774287	0	22.24	83.7
8/8/2010 17:00	15843	1_60	2010	220	1700	3.502465	274.9077	23.26726	0.953	27.11	5.877	29.48	28.12	27.37	-0.7529638	0	23.41	83.4
8/8/2010 18:00	15844	1_60	2010	220	1800	3.688551	279.7789	16.261	1.899	24.3	6.607	26.29	27.63	27.11	-0.5192728	0	25.25	82.4
8/8/2010 19:00	15845	1_60	2010	220	1900	3.649584	277.3611	8.329216	2.109	14.68	5.5	15.19	25.36	25.62	0.26406	0	30.22	78.21
8/8/2010 20:00	15846	1_60	2010	220	2000	3.106467	308.151	15.33896	1.141	6.011	0.192	5.753	22.64	23.61	0.9648021	0	41.51	73.01
8/8/2010 21:00	15847	1_60	2010	220	2100	1.814077	244.1804	29.41072	0.21	3.206	1.06	3.881	21.54	22.56	1.019623	0	47.85	71.11
8/8/2010 22:00	15848	1_60	2010	220	2200	1.28102	125.9634	21.5909	0.017	1.006	0.002	0.583	19.86	21.51	1.646438	0	57.19	67.97
8/8/2010 23:00	15849	1_60	2010	220	2300	0.7791542	143.7876	40.85343	-0.015	1.26	-0.022	0.907	18.02	19.93	1.908687	0	66.87	64.82

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/6/2010 0:00	15778	1_60	2010	218	0	24.7	0.023	7.659	6.178	128.1	2316	13.14
8/6/2010 1:00	15779	1_60	2010	218	100	24.69	0.022	7.651	6.69	136.2	31	13.15
8/6/2010 2:00	15780	1_60	2010	218	200	24.69	0.05	7.645	3.447	132.4	101	13.17
8/6/2010 3:00	15781	1_60	2010	218	300	24.69	0.064	7.64	5.257	120	248	13.19
8/6/2010 4:00	15782	1_60	2010	218	400	24.69	0.064	7.635	5.12	112.4	339	13.2
8/6/2010 5:00	15783	1_60	2010	218	500	24.71	0.07	7.632	3.686	121.9	403	13.2
8/6/2010 6:00	15784	1_60	2010	218	600	24.72	13	7.63	2.662	155.2	552	13.22
8/6/2010 7:00	15785	1_60	2010	218	700	24.74	165.4	7.627	2.731	125.4	659	13.2
8/6/2010 8:00	15786	1_60	2010	218	800	24.74	362.3	7.623	3.174	107.9	718	13.14
8/6/2010 9:00	15787	1_60	2010	218	900	24.74	518.6	7.619	3.004	96	811	13.07
8/6/2010 10:00	15788	1_60	2010	218	1000	24.73	685.3	7.615	3.686	1.519	958	13.02
8/6/2010 11:00	15789	1_60	2010	218	1100	24.71	875	7.61	3.14	347.3	1027	12.98
8/6/2010 12:00	15790	1_60	2010	218	1200	24.69	947	7.603	3.994	87.9	1128	12.95
8/6/2010 13:00	15791	1_60	2010	218	1300	24.67	945	7.589	5.427	281.6	1245	12.91
8/6/2010 14:00	15792	1_60	2010	218	1400	24.66	405.4	7.566	13.79	319	1356	12.89
8/6/2010 15:00	15793	1_60	2010	218	1500	24.67	426.8	7.53	14.13	301	1407	12.96
8/6/2010 16:00	15794	1_60	2010	218	1600	24.64	693.4	7.528	4.676	128.2	1550	12.99
8/6/2010 17:00	15795	1_60	2010	218	1700	24.63	483.1	7.52	6.281	56.08	1609	12.97
8/6/2010 18:00	15796	1_60	2010	218	1800	24.62	126.3	7.504	3.789	125.6	1720	12.96
8/6/2010 19:00	15797	1_60	2010	218	1900	24.62	33.39	7.491	3.55	132.5	1835	12.99
8/6/2010 20:00	15798	1_60	2010	218	2000	24.65	2.812	7.474	9.01	288.4	1911	13.02
8/6/2010 21:00	15799	1_60	2010	218	2100	24.65	0.042	7.462	3.891	199.6	2039	13.05
8/6/2010 22:00	15800	1_60	2010	218	2200	24.66	0.045	7.452	4.574	107.4	2103	13.07
8/6/2010 23:00	15801	1_60	2010	218	2300	24.67	0.042	7.445	3.789	310.6	2231	13.1
8/7/2010 0:00	15802	1_60	2010	219	0	24.67	0.052	7.439	4.062	165.7	2305	13.13
8/7/2010 1:00	15803	1_60	2010	219	100	24.66	0.029	7.435	2.355	115.1	58	13.16
8/7/2010 2:00	15804	1_60	2010	219	200	24.66	0.026	7.431	3.209	87.3	136	13.18
8/7/2010 3:00	15805	1_60	2010	219	300	24.66	0.052	7.428	2.867	110.9	248	13.19
8/7/2010 4:00	15806	1_60	2010	219	400	24.66	0.064	7.425	3.14	89	311	13.2
8/7/2010 5:00	15807	1_60	2010	219	500	24.67	0.07	7.423	2.662	39.91	414	13.21
8/7/2010 6:00	15808	1_60	2010	219	600	24.66	12.92	7.422	2.56	57.72	542	13.21
8/7/2010 7:00	15809	1_60	2010	219	700	24.68	135.1	7.419	1.843	57.34	641	13.2
8/7/2010 8:00	15810	1_60	2010	219	800	24.68	263.9	7.417	1.809	24.61	732	13.15
8/7/2010 9:00	15811	1_60	2010	219	900	24.69	315.6	7.414	3.243	268.2	805	13.1
8/7/2010 10:00	15812	1_60	2010	219	1000	24.68	368.2	7.412	2.56	307.6	906	13.07
8/7/2010 11:00	15813	1_60	2010	219	1100	24.67	394.4	7.408	3.994	305.8	1058	13.03
8/7/2010 12:00	15814	1_60	2010	219	1200	24.67	246.5	7.404	6.724	326.5	1155	13.03
8/7/2010 13:00	15815	1_60	2010	219	1300	24.66	344.2	7.395	6.485	326.3	1201	13.03
8/7/2010 14:00	15816	1_60	2010	219	1400	24.65	146.1	7.391	3.345	320	1300	13.03
8/7/2010 15:00	15817	1_60	2010	219	1500	24.63	238.2	7.387	5.495	273.3	1418	13.04
8/7/2010 16:00	15818	1_60	2010	219	1600	24.62	405.9	7.378	5.837	264.5	1516	13.03
8/7/2010 17:00	15819	1_60	2010	219	1700	24.64	143.5	7.369	13.96	238.3	1657	13.02
8/7/2010 18:00	15820	1_60	2010	219	1800	24.65	115.6	7.357	12.53	245.5	1703	13.06
8/7/2010 19:00	15821	1_60	2010	219	1900	24.65	56.43	7.354	3.959	279.2	1807	13.08
8/7/2010 20:00	15822	1_60	2010	219	2000	24.66	2.071	7.348	6.144	325.6	1932	13.1
8/7/2010 21:00	15823	1_60	2010	219	2100	24.67	0.046	7.343	3.755	279	2002	13.11
8/7/2010 22:00	15824	1_60	2010	219	2200	24.67	0.063	7.34	2.287	220.3	2115	13.13
8/7/2010 23:00	15825	1_60	2010	219	2300	24.65	0.063	7.337	2.389	299.8	2257	13.14
8/8/2010 0:00	15826	1_60	2010	220	0	24.66	0.063	7.333	2.355	298	2338	13.14
8/8/2010 1:00	15827	1_60	2010	220	100	24.65	0.062	7.331	1.536	296.8	2	13.15
8/8/2010 2:00	15828	1_60	2010	220	200	24.65	0.059	7.328	1.741	150.2	103	13.15
8/8/2010 3:00	15829	1_60	2010	220	300	24.66	0.047	7.327	1.911	256.5	202	13.16
8/8/2010 4:00	15830	1_60	2010	220	400	24.66	0.05	7.326	1.741	237.8	304	13.16
8/8/2010 5:00	15831	1_60	2010	220	500	24.67	0.05	7.324	1.877	161.3	402	13.17
8/8/2010 6:00	15832	1_60	2010	220	600	24.69	7.896	7.323	1.843	219.3	520	13.18
8/8/2010 7:00	15833	1_60	2010	220	700	24.71	71.93	7.321	2.901	310.4	626	13.18
8/8/2010 8:00	15834	1_60	2010	220	800	24.73	346.5	7.319	3.209	332.2	736	13.15
8/8/2010 9:00	15835	1_60	2010	220	900	24.72	595.4	7.317	3.311	310.6	818	13.08
8/8/2010 10:00	15836	1_60	2010	220	1000	24.71	670.1	7.314	5.222	7.275	950	13.03
8/8/2010 11:00	15837	1_60	2010	220	1100	24.69	796.4	7.308	4.164	19.69	1032	13.01
8/8/2010 12:00	15838	1_60	2010	220	1200	24.68	963	7.299	4.813	249	1133	12.99
8/8/2010 13:00	15839	1_60	2010	220	1300	24.67	989	7.286	4.335	314.3	1218	12.96
8/8/2010 14:00	15840	1_60	2010	220	1400	24.65	941	7.267	5.7	313.9	1301	12.94
8/8/2010 15:00	15841	1_60	2010	220	1500	24.63	851	7.243	5.495	249.4	1428	12.92
8/8/2010 16:00	15842	1_60	2010	220	1600	24.61	726.7	7.215	7.748	332.9	1533	12.91
8/8/2010 17:00	15843	1_60	2010	220	1700	24.6	513.7	7.184	6.929	277.5	1627	12.91
8/8/2010 18:00	15844	1_60	2010	220	1800	24.6	308.7	7.154	6.588	275.6	1748	12.93
8/8/2010 19:00	15845	1_60	2010	220	1900	24.61	70.23	7.126	6.519	305.1	1803	12.95
8/8/2010 20:00	15846	1_60	2010	220	2000	24.62	2.818	7.108	5.734	305.3	1923	13
8/8/2010 21:00	15847	1_60	2010	220	2100	24.63	0.022	7.094	4.745	289.6	2000	13.05
8/8/2010 22:00	15848	1_60	2010	220	2200	24.64	0.05	7.086	2.185	91.6	2132	13.08
8/8/2010 23:00	15849	1_60	2010	220	2300	24.64	0.04	7.08	1.911	217.5	2208	13.12

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/9/2010 0:00	15850	1_60	2010	221	0	1.331022	114.9007	24.94127	-0.019	0.505	0.133	1.176	17.19	19.03	1.839717	0	70.88	63.21
8/9/2010 1:00	15851	1_60	2010	221	100	1.921613	117.6114	16.39133	-0.07	5.544	2.133	7.39	18.74	19.73	0.9835417	0	62.79	65.8
8/9/2010 2:00	15852	1_60	2010	221	200	1.551015	134.3202	28.85381	0.164	5.79	1.044	6.712	17.99	18.82	0.827629	0	69.1	64.47
8/9/2010 3:00	15853	1_60	2010	221	300	1.044594	92.59662	33.19975	0.06	0.968	0.694	3.202	17.7	18.04	0.3403631	0	72.06	64
8/9/2010 4:00	15854	1_60	2010	221	400	1.057446	304.072	45.69198	0.001	0.091	0.002	0.05	16.83	17.15	0.3169732	0	81	62.38
8/9/2010 5:00	15855	1_60	2010	221	500	1.37941	133.1028	14.74928	0.022	0.411	0.108	0.769	16.57	17.18	0.6046704	0	82	61.9
8/9/2010 6:00	15856	1_60	2010	221	600	1.055321	129.7621	34.8556	0.017	1.152	0.062	0.601	16.77	17.92	1.155989	0	78.28	62.23
8/9/2010 7:00	15857	1_60	2010	221	700	0.9687617	65.75342	32.74086	0.249	1.708	0.264	1.869	17.61	17.77	0.1531156	0	75.93	63.92
8/9/2010 8:00	15858	1_60	2010	221	800	0.6985344	29.12542	44.62503	2.193	15.27	-0.695	14.7	20.3	19.97	-0.3268813	0	57.02	70.86
8/9/2010 9:00	15859	1_60	2010	221	900	1.13203	315.212	61.32595	2.691	18.89	2.651	19.45	21.49	21.17	-0.3125247	0	53.77	72.16
8/9/2010 10:00	15860	1_60	2010	221	1000	2.51369	287.9818	43.72761	0.407	31.12	3.091	33.14	24.01	23.31	-0.6945161	0	40.74	76.39
8/9/2010 11:00	15861	1_60	2010	221	1100	3.939574	252.1717	26.6918	3.907	34.47	17.51	37.95	25.76	24.74	-1.021871	0	31.21	79.05
8/9/2010 12:00	15862	1_60	2010	221	1200	3.696	253.798	23.23428	0.618	32.68	10.58	34.79	26.42	25.45	-0.9631068	0	26.25	79.99
8/9/2010 13:00	15863	1_60	2010	221	1300	4.129837	289.8331	25.07953	5.68	34.04	6.705	37.79	27.34	26.36	-0.9829214	0	24.21	81.5
8/9/2010 14:00	15864	1_60	2010	221	1400	3.469017	257.7505	33.82726	0.86	36.07	8.07	38.14	27.85	26.72	-1.122207	0	22.37	82.6
8/9/2010 15:00	15865	1_60	2010	221	1500	3.625032	270.8717	29.14351	2.009	25.43	7.395	29.09	27.36	26.72	-0.6452463	0	22.41	81.5
8/9/2010 16:00	15866	1_60	2010	221	1600	3.225787	247.0016	22.01046	-0.295	23.15	7.837	24.85	27.44	26.96	-0.4786504	0	20.76	81.8
8/9/2010 17:00	15867	1_60	2010	221	1700	3.76393	279.0627	22.89975	4.201	29.74	8.84	31.37	28.38	27.75	-0.6332098	0	17	83.7
8/9/2010 18:00	15868	1_60	2010	221	1800	3.241662	250.1584	17.88895	0.415	22.39	10	25.04	27.85	27.45	-0.4016962	0	17.08	83
8/9/2010 19:00	15869	1_60	2010	221	1900	3.304466	230.7876	12.89356	1.521	12.61	15.56	13.98	25.8	26.17	0.3726482	0	23.22	79.25
8/9/2010 20:00	15870	1_60	2010	221	2000	2.588556	216.3058	37.56351	-0.125	6.537	10.03	9.84	22.14	23.68	1.540352	0	34.77	72.15
8/9/2010 21:00	15871	1_60	2010	221	2100	1.530755	46.35028	46.11868	1.006	7.254	1.361	7.223	21.56	23.06	1.492106	0	35.83	71
8/9/2010 22:00	15872	1_60	2010	221	2200	0.9149675	223.119	35.67801	0.182	3.076	0.768	4.476	19.48	21.33	1.847314	0	43.6	67.57
8/9/2010 23:00	15873	1_60	2010	221	2300	1.045983	144.413	55.45576	0.06	1.423	0.083	1.469	17.55	20.23	2.674232	0	52.78	64.3
8/10/2010 0:00	15874	1_60	2010	222	0	2.074999	125.3811	10.2077	0.508	3.613	2.244	6.305	16.12	18.9	2.779902	0	58.38	61.3
8/10/2010 1:00	15875	1_60	2010	222	100	3.907663	123.9761	4.780979	3.001	6.148	12.49	8.42	16.44	18.26	1.828694	0	53.98	61.87
8/10/2010 2:00	15876	1_60	2010	222	200	3.638196	118.5036	6.128383	4.751	8.07	11.59	9.55	16.21	17.4	1.189435	0	54.56	61.46
8/10/2010 3:00	15877	1_60	2010	222	300	2.127983	97.44038	44.48843	1.022	7.557	2.497	8.5	15.08	16.26	1.176848	0	58.79	59.64
8/10/2010 4:00	15878	1_60	2010	222	400	1.347059	108.3618	15.61317	0.018	0.428	0.02	0.501	12.88	14.13	1.247462	0	73.85	55.48
8/10/2010 5:00	15879	1_60	2010	222	500	1.583104	112.1171	14.97758	-0.007	0.558	-0.008	0.47	13.22	14.68	1.456308	0	71.12	56.07
8/10/2010 6:00	15880	1_60	2010	222	600	1.505508	132.3411	22.92594	0.009	1.499	-0.039	1.018	12.46	14.14	1.676532	0	75.93	54.52
8/10/2010 7:00	15881	1_60	2010	222	700	1.289693	320.8019	32.17759	0.648	3.588	0.358	2.695	13.92	14	0.07713626	0	70.54	57.95
8/10/2010 8:00	15882	1_60	2010	222	800	0.8306319	356.4865	48.60667	2.479	14.27	-0.064	14.04	17.45	17.16	-0.2945364	BA	50.6	65.84
8/10/2010 9:00	15883	1_60	2010	222	900	0.8004255	238.8541	61.76078	3.287	25.1	2.961	25.13	20.13	19.6	-0.5304604	0	40.87	70.41
8/10/2010 10:00	15884	1_60	2010	222	1000	1.396331	331.3307	36.27141	0.727	24.32	-2.655	24.56	22.24	21.66	-0.5737696	0	34.55	74.01
8/10/2010 11:00	15885	1_60	2010	222	1100	1.242734	53.55178	49.00322	6.753	29.64	4.341	30.09	25.46	24.71	-0.7474266	0	28.97	79.91
8/10/2010 12:00	15886	1_60	2010	222	1200	3.017691	226.8647	40.60501	3.616	32.88	15.76	33.45	27.68	26.91	-0.7719364	0	23.33	82.4
8/10/2010 13:00	15887	1_60	2010	222	1300	5.985599	201.43	22.16686	4.237	43.18	39.52	45.37	29.51	28.07	-1.438187	0	20.32	84.9
8/10/2010 14:00	15888	1_60	2010	222	1400	5.778616	217.1128	19.18154	3.253	41.97	35.37	43.32	30	28.57	-1.425647	0	18.28	85.9
8/10/2010 15:00	15889	1_60	2010	222	1500	5.050263	202.685	30.28367	8.26	46.9	35.04	51.1	30.51	29.22	-1.290391	0	16.97	86.7
8/10/2010 16:00	15890	1_60	2010	222	1600	5.28453	208.5773	24.67161	5.999	41.39	35.43	43.99	29.96	29.05	-0.9115617	0	16.85	85.9
8/10/2010 17:00	15891	1_60	2010	222	1700	5.959661	221.4454	17.97709	2.163	37.91	34.6	40.45	29.67	28.92	-0.7550278	0	16.5	85.6
8/10/2010 18:00	15892	1_60	2010	222	1800	5.522104	231.7558	15.79885	4.975	34.97	32.85	36.83	29.27	28.83	-0.4474559	0	18.42	85.1
8/10/2010 19:00	15893	1_60	2010	222	1900	5.117085	227.4405	12.40675	1.833	28.15	28.34	30.5	27.98	28.13	0.1508579	0	17.81	82.9
8/10/2010 20:00	15894	1_60	2010	222	2000	4.281842	234.6236	9.632651	0.872	17.25	20.61	20.54	25.65	26.78	1.131459	0	20.34	78.54
8/10/2010 21:00	15895	1_60	2010	222	2100	2.817213	186.781	36.78988	0.348	4.793	11.54	12.35	22.55	24.75	2.20127	0	27.5	72.93
8/10/2010 22:00	15896	1_60	2010	222	2200	1.748732	101.4729	15.64698	0.236	2.899	0.195	4.618	21.42	23.44	2.018549	0	30.55	70.85
8/10/2010 23:00	15897	1_60	2010	222	2300	2.843242	122.8019	16.68529	0.972	4.903	4.779	7.38	19.93	22.12	2.190036	0	34.29	68.41
8/11/2010 0:00	15898	1_60	2010	223	0	4.50513	121.2046	6.478912	6.259	11.27	15.45	12.59	19.05	20.17	1.121772	0	38.49	66.49
8/11/2010 1:00	15899	1_60	2010	223	100	1.293481	155.0272	55.2545	2.383	16.33	4.31	17.28	18.79	19.61	0.8203079	0	39.97	66.04
8/11/2010 2:00	15900	1_60	2010	223	200	1.851476	80.87254	14.76322	0.012	0.346	-0.014	0.259	15.7	17.28	1.580175	0	54.22	60.76
8/11/2010 3:00	15901	1_60	2010	223	300	2.115155	111.4258	7.362068	0.375	2.906	0.957	3.979	14.2	15.27	1.064759	0	61.78	57.78
8/11/2010 4:00	15902	1_60	2010	223	400	1.381942	123.0564	30.92049	-0.019	1.84	0.042	0.97	13.54	16.21	2.663158	0	64.76	56.66
8/11/2010 5:00	15903	1_60	2010	223	500	1.810918	260.0211	42.14836	-0.204	6.408	0.071	8.79	13.24	14.94	1.704362	0	66.24	55.92
8/11/2010 6:00	15904	1_60	2010	223	600	1.115302	107.7714	28.53856	0.013	0.535	-0.009	0.366	12.17	14.11	1.945715	0	72.31	54.28
8/11/2010 7:00	15905	1_60	2010	223	700	1.547912	93.73378	30.34087	0.75	4.186	0.515	5.112	15.47	15.81	0.3408847	0	61.1	60.88
8/11/2010 8:00	15906	1_60	2010	223	800	0.8453367	307.2188	41.02291	4.559	15.2	3.105	15.19	19.22	18.91	-0.307604	0	41.75	69.09
8/11/2010 9:00	15907	1_60	2010	223	900	0.6874148	356.6175	59.9462	-0.637	17.55	-1.045	17.88	20.7	20.36	-0.3443404	0	37.48	71.3
8/11/2010 10:00	15908	1_60	2010	223	1000	1.020697	60.3391	56.01806	7.018	27.43	3.683	28.06	23.8	23.23	-0.5742527	0	31.01	77.12
8/11/2010 11:00	15909	1_60	2010	223	1100	7.09845	159.8734	21.73303	6.007	48.17	50.51	62.23	25.99	25.22	-0.7602564	0	32.08	78.75
8/11/2010 12:00	15910	1_60	2010	223	1200	9.701768	167.014	11.13525	8.23	54.72	71.9	56.51	26.5	25.11	-1.394531	0	33.74	79.11
8/11/2010 13:00	15911	1_60	2010	223	1300	8.683049	159.0772	15.46492	14.71	52.79	64.53	56.86	28.06	26.46	-1.602301	0	29.63	81.8
8/11/2010 14:00	15912	1_60	2010	223	1400	4.466444	168.933	27.95228	2.741	40.77	25.25	45.81	29.57	28.18	-1.393248	0	25.89	85
8/11/2010 15:00	15913	1_60	2010	223	1500	4.925193	188.7634	29.23385	4.844	43.13	31.56	45.54	30.54	29.16	-1.375394	0	23.59	86.6
8/11/2010 16:00	15914	1_60	2010	223	1600	5.800344	193.2458	23.20873	2.611	42.45	36.82	47.33	30.63	29.36	-1.273342	0	24.57	86.8
8/11/2010 17:00	15915	1_60	2010	223	1700	7.334316	178.0878	13.69694	0.984	43.27	49.62	45.84	28.7	28.24	-0.4607648	0	27.14	83.5
8/11/2010 18:00	15916	1_60	2010	223	1800	3.763256	175.2527	45.1428	5.546	29.33	21.88	33.06	25.49	25.45	-0.04171799	0	34	77.92
8/11/2010 19:00	15917	1_60	2010	223	1900	7.189667	274.9901	28.29136	2.878	42.04	21.51	51.54	18.18	18.59	0.4163491	0.2	71.27	65
8/11/2010 20:00	15918	1_60	2010	223	2000	4.641984	131.7077	17.88553	8.76	17.67	23.29	20.18	15.76	16.07	0.3107553	0.01	87.6	60.41
8/11/2010 21:00	15919	1_60	2010	223	2100	3.891559	125.634	13.02493	6.424	14.97	16.24	18.48	15.71	16.15	0.4413979	0	85.6	60.35
8/11/2010 22:00	15920	1_60	2010	223	2200	3.038937	296.5646	36.66821	1.791	14.29	1.068	15.79	15.49	15.83	0.3434817	0	88.3	60
8/11/2010 23:00	15921	1_60	2010	223	2300	2.250372	263.9946	30.53488	0.169	15.08	0.307	15.25	14.84	15.08	0.2407984	0	91.3	58.76

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/9/2010 0:00	15850	1_60	2010	221	0	24.64	0.059	7.075	2.355	92	2327	13.14
8/9/2010 1:00	15851	1_60	2010	221	100	24.64	0.055	7.069	2.901	174.4	9	13.15
8/9/2010 2:00	15852	1_60	2010	221	200	24.64	0.064	7.064	3.857	119.7	154	13.15
8/9/2010 3:00	15853	1_60	2010	221	300	24.65	0.066	7.061	2.867	134.1	200	13.15
8/9/2010 4:00	15854	1_60	2010	221	400	24.66	0.065	7.059	2.56	51.13	357	13.15
8/9/2010 5:00	15855	1_60	2010	221	500	24.66	0.06	7.056	2.219	64.35	400	13.16
8/9/2010 6:00	15856	1_60	2010	221	600	24.68	8.83	7.055	2.355	115.8	557	13.17
8/9/2010 7:00	15857	1_60	2010	221	700	24.7	68.79	7.053	1.911	122.3	600	13.17
8/9/2010 8:00	15858	1_60	2010	221	800	24.7	367.8	7.051	2.116	20.53	740	13.12
8/9/2010 9:00	15859	1_60	2010	221	900	24.7	420.3	7.048	2.765	286.9	811	13.06
8/9/2010 10:00	15860	1_60	2010	221	1000	24.7	725.5	7.044	6.417	256.2	936	13.01
8/9/2010 11:00	15861	1_60	2010	221	1100	24.69	877	7.034	9.73	233.3	1026	12.98
8/9/2010 12:00	15862	1_60	2010	221	1200	24.68	790.3	7.013	7.407	255.9	1118	12.96
8/9/2010 13:00	15863	1_60	2010	221	1300	24.67	908	6.99	8.33	311.5	1248	12.95
8/9/2010 14:00	15864	1_60	2010	221	1400	24.66	891	6.968	7.68	238.7	1336	12.93
8/9/2010 15:00	15865	1_60	2010	221	1500	24.64	463.7	6.94	7.543	280.3	1437	12.93
8/9/2010 16:00	15866	1_60	2010	221	1600	24.63	383.8	6.911	9.49	245.3	1544	12.94
8/9/2010 17:00	15867	1_60	2010	221	1700	24.62	511.8	6.884	8.09	269.9	1636	12.94
8/9/2010 18:00	15868	1_60	2010	221	1800	24.61	282.2	6.861	7.066	233	1750	12.94
8/9/2010 19:00	15869	1_60	2010	221	1900	24.62	78.34	6.84	5.12	278.4	1815	12.96
8/9/2010 20:00	15870	1_60	2010	221	2000	24.64	2.76	6.822	4.096	225.9	1926	13
8/9/2010 21:00	15871	1_60	2010	221	2100	24.66	0.024	6.809	3.379	266.1	2057	13.06
8/9/2010 22:00	15872	1_60	2010	221	2200	24.66	0.033	6.8	2.15	206.5	2111	13.09
8/9/2010 23:00	15873	1_60	2010	221	2300	24.67	0.045	6.792	2.935	96.6	2256	13.13
8/10/2010 0:00	15874	1_60	2010	222	0	24.68	0.028	6.781	4.779	135.6	2355	13.17
8/10/2010 1:00	15875	1_60	2010	222	100	24.68	0.015	6.772	5.666	121.5	55	13.19
8/10/2010 2:00	15876	1_60	2010	222	200	24.68	0.022	6.765	5.734	132.6	104	13.2
8/10/2010 3:00	15877	1_60	2010	222	300	24.69	0.028	6.761	4.813	111.7	220	13.21
8/10/2010 4:00	15878	1_60	2010	222	400	24.69	0.058	6.759	1.946	140.4	347	13.23
8/10/2010 5:00	15879	1_60	2010	222	500	24.71	0.057	6.755	2.389	107.7	420	13.25
8/10/2010 6:00	15880	1_60	2010	222	600	24.71	12.67	6.752	2.492	103.9	514	13.26
8/10/2010 7:00	15881	1_60	2010	222	700	24.72	114	6.75	2.15	27.99	609	13.25
8/10/2010 8:00	15882	1_60	2010	222	800	24.74	365.3 BA		2.082	334.4	739	13.13
8/10/2010 9:00	15883	1_60	2010	222	900	24.73	563.9	7.949	2.526	314.5	853	13.06
8/10/2010 10:00	15884	1_60	2010	222	1000	24.73	752.8	7.948	3.004	330.2	923	13.03
8/10/2010 11:00	15885	1_60	2010	222	1100	24.71	862	7.944	2.935	37.06	1044	12.98
8/10/2010 12:00	15886	1_60	2010	222	1200	24.69	681.4	7.936	7.885	254.4	1151	12.95
8/10/2010 13:00	15887	1_60	2010	222	1300	24.68	1029	7.916	10.62	200.4	1237	12.93
8/10/2010 14:00	15888	1_60	2010	222	1400	24.67	956	7.885	13.18	218	1349	12.92
8/10/2010 15:00	15889	1_60	2010	222	1500	24.66	899	7.848	10.44	193.7	1445	12.91
8/10/2010 16:00	15890	1_60	2010	222	1600	24.66	577.2	7.812	11.95	238.5	1518	12.91
8/10/2010 17:00	15891	1_60	2010	222	1700	24.65	455.2	7.772	11.71	205.1	1610	12.91
8/10/2010 18:00	15892	1_60	2010	222	1800	24.65	303.5	7.732	10.72	244.1	1701	12.92
8/10/2010 19:00	15893	1_60	2010	222	1900	24.65	102.4	7.701	9.05	202.9	1806	12.94
8/10/2010 20:00	15894	1_60	2010	222	2000	24.66	2.615	7.671	8.12	229.1	1927	12.98
8/10/2010 21:00	15895	1_60	2010	222	2100	24.68	0.039	7.651	5.564	227.5	2000	13.02
8/10/2010 22:00	15896	1_60	2010	222	2200	24.68	0.027	7.636	3.413	113.7	2151	13.07
8/10/2010 23:00	15897	1_60	2010	222	2300	24.67	0.052	7.625	5.052	114.7	2258	13.1
8/11/2010 0:00	15898	1_60	2010	223	0	24.67	0.034	7.613	6.929	126.3	2327	13.13
8/11/2010 1:00	15899	1_60	2010	223	100	24.68	0.039	7.604	4.71	124.8	4	13.14
8/11/2010 2:00	15900	1_60	2010	223	200	24.68	0.051	7.597	2.97	81	123	13.17
8/11/2010 3:00	15901	1_60	2010	223	300	24.68	0.019	7.591	2.97	96.4	246	13.2
8/11/2010 4:00	15902	1_60	2010	223	400	24.68	0.052	7.584	2.731	94	303	13.23
8/11/2010 5:00	15903	1_60	2010	223	500	24.7	0.063	7.579	3.994	5.305	416	13.25
8/11/2010 6:00	15904	1_60	2010	223	600	24.72	10.47	7.576	2.458	46.24	508	13.26
8/11/2010 7:00	15905	1_60	2010	223	700	24.73	154	7.573	2.56	144.8	613	13.25
8/11/2010 8:00	15906	1_60	2010	223	800	24.73	340.3	7.57	2.287	316.3	751	13.16
8/11/2010 9:00	15907	1_60	2010	223	900	24.72	398.7	7.569	1.843	324.2	800	13.08
8/11/2010 10:00	15908	1_60	2010	223	1000	24.71	711.4	7.566	3.311	123.1	959	13.03
8/11/2010 11:00	15909	1_60	2010	223	1100	24.72	569	7.566	18.19	173.4	1034	12.99
8/11/2010 12:00	15910	1_60	2010	223	1200	24.71	962	7.551	16.32	160.6	1129	12.98
8/11/2010 13:00	15911	1_60	2010	223	1300	24.69	1049	7.523	16.11	155.2	1207	12.96
8/11/2010 14:00	15912	1_60	2010	223	1400	24.66	987	7.491	10.31	159.6	1346	12.93
8/11/2010 15:00	15913	1_60	2010	223	1500	24.63	852	7.465	12.53	171.7	1426	12.91
8/11/2010 16:00	15914	1_60	2010	223	1600	24.62	697.6	7.434	11.57	201.7	1556	12.9
8/11/2010 17:00	15915	1_60	2010	223	1700	24.61	238.6	7.399	12.73	149.9	1657	12.91
8/11/2010 18:00	15916	1_60	2010	223	1800	24.62	58.69	7.364	12.25	163.4	1701	12.95
8/11/2010 19:00	15917	1_60	2010	223	1900	24.69	2.565 AQ		22.22	251.3	1819	13.01
8/11/2010 20:00	15918	1_60	2010	223	2000	24.67	7.535 AQ		7.953	169.8	1921	13.11
8/11/2010 21:00	15919	1_60	2010	223	2100	24.68	0.055	7.418	7.373	151.3	2004	13.16
8/11/2010 22:00	15920	1_60	2010	223	2200	24.68	0.033	7.418	7.68	314	2150	13.18
8/11/2010 23:00	15921	1_60	2010	223	2300	24.67	0.05	7.418	7.236	313.9	2201	13.2

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/12/2010 0:00	15922	1_60	2010	224	0	1.189427	118.6062	26.5076	0.004	0.131	0.015	0.285	14.57	14.97	0.4000536	0	92.6	58.27
8/12/2010 1:00	15923	1_60	2010	224	100	1.421076	126.3735	13.26743	0.005	0.359	0.018	0.237	14.22	14.79	0.5728202	0	93.4	57.69
8/12/2010 2:00	15924	1_60	2010	224	200	1.570502	121.9687	27.39086	0.005	0.5	0.121	0.706	13.93	14.41	0.4810005	0	93.4	57.07
8/12/2010 3:00	15925	1_60	2010	224	300	1.265152	135.0631	42.0386	0.115	3.487	-0.54	4.871	14.1	14.96	0.8552265	0	93.6	57.21
8/12/2010 4:00	15926	1_60	2010	224	400	1.566977	117.4742	22.14342	0.083	1.117	0.487	2.14	13.64	14.08	0.4362996	0	93.7	56.63
8/12/2010 5:00	15927	1_60	2010	224	500	1.219695	111.7056	42.01897	0.075	1.186	0.037	0.572	13.47	14.12	0.6523403	0	94.8	56.3
8/12/2010 6:00	15928	1_60	2010	224	600	1.528049	145.5498	28.89132	-0.011	0.514	0.008	0.173	13.18	14.23	1.04709	0	94	55.85
8/12/2010 7:00	15929	1_60	2010	224	700	1.059181	319.188	28.64037	0.041	2.762	0.085	2.258	14.33	14.42	0.09378241	0	90.9	58.17
8/12/2010 8:00	15930	1_60	2010	224	800	1.396214	308.4684	23.71396	1.042	6.909	0.897	6.694	15.66	15.44	-0.2261305	0	86.4	60.95
8/12/2010 9:00	15931	1_60	2010	224	900	0.6376101	308.5666	55.51321	3.796	15.63	3.117	13.01	17.36	16.99	-0.3712065	0	75.47	64.65
8/12/2010 10:00	15932	1_60	2010	224	1000	1.381426	318.9106	41.20724	3.723	24.29	3.156	23.24	21.07	20.42	-0.6520861	0	58.58	71.43
8/12/2010 11:00	15933	1_60	2010	224	1100	2.567076	290.0444	48.81212	1.356	35.72	8.79	39.81	24.45	23.88	-0.5716	0	50.03	77.29
8/12/2010 12:00	15934	1_60	2010	224	1200	7.532413	216.1977	14.70176	-1.365	43.5	42.62	45.57	28.38	27.57	-0.8121425	0	28.75	83.1
8/12/2010 13:00	15935	1_60	2010	224	1300	7.008698	216.3441	18.51433	3.26	46.6	44.58	49.99	29.46	28.49	-0.9743944	0	24.6	85
8/12/2010 14:00	15936	1_60	2010	224	1400	6.394488	224.2114	23.66515	5.819	43.47	40.97	46.7	29.48	28.76	-0.718758	0	24.36	85.1
8/12/2010 15:00	15937	1_60	2010	224	1500	5.965493	248.4793	17.35605	3.432	42.6	27.12	44.35	30.17	29.41	-0.7538008	0	22.12	86.3
8/12/2010 16:00	15938	1_60	2010	224	1600	8.204294	265.0426	16.3233	4.11	48.1	26.37	52.65	30.85	30.09	-0.7582514	0	16.34	87.4
8/12/2010 17:00	15939	1_60	2010	224	1700	7.619051	277.6835	16.26698	6.345	44.49	18.5	48.98	30.6	30.11	-0.4928838	0	13.71	87.2
8/12/2010 18:00	15940	1_60	2010	224	1800	7.283927	280.727	13.73765	5.6	42.8	16.06	45.55	29.86	29.69	-0.1766665	0	12.58	86
8/12/2010 19:00	15941	1_60	2010	224	1900	5.37797	285.386	10.10521	2.995	28.64	7.269	31.64	28.23	28.59	0.3529994	0	13.07	83.4
8/12/2010 20:00	15942	1_60	2010	224	2000	3.466763	251.3412	8.455085	0.461	4.026	9.87	8.35	22.88	26.12	3.23367	0	23.16	73.8
8/12/2010 21:00	15943	1_60	2010	224	2100	2.362592	157.6435	20.48098	0.123	4.031	8.56	10.71	20.75	23.32	2.570259	0	27.48	69.76
8/12/2010 22:00	15944	1_60	2010	224	2200	1.33643	87.20629	20.31599	0.335	3.609	0.247	4.207	20.16	23.47	3.310293	0	28.19	68.46
8/12/2010 23:00	15945	1_60	2010	224	2300	2.283376	320.6458	34.06748	0.589	4.594	0.11	4.567	19.09	21.47	2.376637	0	30.56	66.87
8/13/2010 0:00	15946	1_60	2010	225	0	2.643736	119.1652	43.74525	0.169	9.81	0.039	12.13	16.53	19.41	2.878898	0	40.94	62.04
8/13/2010 1:00	15947	1_60	2010	225	100	1.908878	107.1758	45.48298	0.106	6.467	1.018	7.294	15.62	18.05	2.430148	0	40.32	60.68
8/13/2010 2:00	15948	1_60	2010	225	200	2.066362	135.9986	30.64373	-0.108	1.778	0.337	3.153	13.19	16.18	2.989439	0	51.35	56.33
8/13/2010 3:00	15949	1_60	2010	225	300	1.9894	97.8635	47.17667	0.828	5.289	1.143	6.166	12.75	15.39	2.642482	0	52.06	55.62
8/13/2010 4:00	15950	1_60	2010	225	400	2.314823	115.5708	60.33002	0.56	4.03	0.901	4.486	11.02	13.04	2.027363	0	61.67	52.34
8/13/2010 5:00	15951	1_60	2010	225	500	1.181973	140.5704	50.54239	-0.031	0.788	0.526	2.431	10.31	11.93	1.625158	0	66.67	50.72
8/13/2010 6:00	15952	1_60	2010	225	600	2.408699	94.97187	10.82247	0.408	2.783	0.442	2.548	9.94	11.67	1.729516	0	63.24	50.24
8/13/2010 7:00	15953	1_60	2010	225	700	1.21432	38.85375	62.77995	0.95	6.139	1.367	6.097	11.83	11.85	0.02160716	0	60.42	54.53
8/13/2010 8:00	15954	1_60	2010	225	800	0.8156134	347.5154	42.09583	1.259	15.93	0.151	16.81	15.83	15.53	-0.2951466	0	42.84	62.92
8/13/2010 9:00	15955	1_60	2010	225	900	0.5657586	14.30318	39.33925	2.281	21.7	0.404	20.36	19.02	18.68	-0.3350087	0	31.37	69.65
8/13/2010 10:00	15956	1_60	2010	225	1000	1.258207	297.6562	39.22482	6.524	27.67	6.546	27.3	21.41	20.91	-0.5013652	0	29.06	72.68
8/13/2010 11:00	15957	1_60	2010	225	1100	1.552552	302.1074	41.04222	5.417	28.9	4.072	28.43	23.88	23.26	-0.6208268	0	25.74	76.56
8/13/2010 12:00	15958	1_60	2010	225	1200	1.275501	311.0239	54.73996	3.235	32.87	0.779	33.05	26.67	25.99	-0.6775005	0	23.6	81.8
8/13/2010 13:00	15959	1_60	2010	225	1300	2.325584	199.7139	52.66833	-1.564	36.73	6.654	40.15	29.43	28.51	-0.9120046	0	15.2	85.8
8/13/2010 14:00	15960	1_60	2010	225	1400	3.971208	192.8526	38.22252	3.692	36.87	25.94	40.45	30.8	29.61	-1.194463	0	12.18	87.5
8/13/2010 15:00	15961	1_60	2010	225	1500	4.23602	192.3213	41.64904	0.75	40.08	21.74	44.57	31.3	30.13	-1.162947	0	12.76	88.3
8/13/2010 16:00	15962	1_60	2010	225	1600	3.938431	234.7023	29.28309	3.421	35.52	19.95	38.97	31.46	30.54	-0.9240025	0	12.99	89
8/13/2010 17:00	15963	1_60	2010	225	1700	3.890023	198.8389	36.0015	2.165	33.47	23.13	36.54	31.42	30.61	-0.8023745	0	12.92	88.8
8/13/2010 18:00	15964	1_60	2010	225	1800	4.335347	221.3646	20.34011	2.015	29.12	23.76	32.76	30.72	30.35	-0.3743988	0	13.03	87.9
8/13/2010 19:00	15965	1_60	2010	225	1900	4.336032	209.6747	12.72666	3.425	23.04	28.86	24.94	28.91	29.4	0.4893889	0	12.38	84.8
8/13/2010 20:00	15966	1_60	2010	225	2000	4.167538	199.2516	6.130636	0.21	5.036	25.69	10.23	24.66	27.13	2.463816	0	18.55	76.9
8/13/2010 21:00	15967	1_60	2010	225	2100	1.23531	282.2011	57.67616	-0.856	10.8	0.173	9.5	23.25	24.23	0.9808897	0	21.69	73.9
8/13/2010 22:00	15968	1_60	2010	225	2200	1.020983	119.4435	40.4698	-0.068	4.605	0.248	6.079	22.62	24.51	1.889959	0	20.67	73.37
8/13/2010 23:00	15969	1_60	2010	225	2300	1.57513	93.6503	39.30594	-0.157	4.009	0.02	4.233	18.21	20.45	2.232978	0	32.68	65.32
8/14/2010 0:00	15970	1_60	2010	226	0	2.526198	144.5591	13.07302	0.407	5.198	6.54	9.51	17.57	20.14	2.568319	0	32.88	64.27
8/14/2010 1:00	15971	1_60	2010	226	100	2.982611	125.6956	10.56872	2.258	7.232	7.674	9.29	16.87	19.28	2.412226	0	35.21	62.99
8/14/2010 2:00	15972	1_60	2010	226	200	2.190363	123.3156	17.53154	0.587	4.194	1.647	4.963	13.95	16.38	2.434465	0	46.77	57.72
8/14/2010 3:00	15973	1_60	2010	226	300	1.311691	167.4112	46.55516	-0.049	0.806	0.186	1.207	12.16	14.19	2.030022	0	56.41	54.08
8/14/2010 4:00	15974	1_60	2010	226	400	1.897692	119.4684	21.99265	0.185	2.087	0.354	2.822	11.74	13.91	2.17613	0	53.98	53.63
8/14/2010 5:00	15975	1_60	2010	226	500	2.487165	107.6492	6.239068	0.039	1.869	0.207	2.029	11.36	12.94	1.57716	0	52.52	52.79
8/14/2010 6:00	15976	1_60	2010	226	600	1.741991	116.1979	12.60527	-0.019	0.568	-0.068	0.774	10.53	12.28	1.75119	0	55.71	51.36
8/14/2010 7:00	15977	1_60	2010	226	700	1.242279	119.2683	21.05242	0.231	2.235	0.312	2.264	12.87	13.28	0.4103538	0	50.89	56.56
8/14/2010 8:00	15978	1_60	2010	226	800	0.9443526	318.1351	20.83082	0.15	12.66	-1.221	11.56	17.07	16.84	-0.2293245	0	34.4	65.01
8/14/2010 9:00	15979	1_60	2010	226	900	1.298567	303.7371	26.36926	-0.361	23.73	-1.261	23.85	19.38	19.02	-0.3684443	0	28.43	68.73
8/14/2010 10:00	15980	1_60	2010	226	1000	1.164255	309.8271	43.03904	0.744	24.77	-0.795	25.85	21.77	21.28	-0.486027	0	22.67	73.14
8/14/2010 11:00	15981	1_60	2010	226	1100	1.002209	304.8163	53.81352	3.49	26.24	1.963	26.16	25.34	24.75	-0.5969823	0	18.87	79.96
8/14/2010 12:00	15982	1_60	2010	226	1200	1.152819	333.1728	57.93778	3.743	31.69	2.44	29.99	29.05	28.44	-0.608832	0	14	86.4
8/14/2010 13:00	15983	1_60	2010	226	1300	3.405163	214.0246	55.23082	-0.957	41.48	12.62	45.07	31.51	30.49	-1.017917	0	10.85	89.4
8/14/2010 14:00	15984	1_60	2010	226	1400	4.102163	205.1196	37.75262	4.439	41.43	23	46.71	32.65	31.45	-1.203338	0	11.45	90.8
8/14/2010 15:00	15985	1_60	2010	226	1500	5.554975	282.2894	19.58814	3.674	42.99	8.89	46.54	33.18	32.21	-0.9691322	0	10.5	91.8
8/14/2010 16:00	15986	1_60	2010	226	1600	6.322786	291.273	18.9075	8.09	41.49	11.55	46.77	33.17	32.33	-0.8401505	0	10.21	91.7
8/14/2010 17:00	15987	1_60	2010	226	1700	5.40519	279.1404	16.44809	4.513	34.12	11.47	36.84	32.7	32.09	-0.6119875	0	10.69	91.2
8/14/2010 18:00	15988	1_60	2010	226	1800	4.192047	275.5942	19.08468	5.239	25.49	11.67	27.1	31.86	31.58	-0.2808499	0	11.55	90.1
8/14/2010 19:00	15989	1_60	2010	226	1900	3.130104	275.8668	11.32789	0.982	12.49	4.918	13.15	29.3	29.96	0.6535431	0	14.12	85.9
8/14/2010 20:00	15990	1_60	2010	226	2000	1.710779	222.4215	29.65325	-0.316	5.541	2.703	6.609	24.12	25.91	1.792483	0	22.61	75.84
8/14/2010 21:00	15991	1_60	2010	226	2100	1.422276	143.8735	29.13522	0.024	0.569	0.139	1.419	23.02	25.87	2.84909	0	23.39	74.06
8/14/2010 22:00	15992	1_60	2010	226	2200	1.76955	158.6079	29.69985	0.02	0.953	0.446	2.053	19.97	23.97	4.001077	0	31.02	68.47
8/14/2010 23:00	15993	1_60	2010	226	2300	1.867373	104.3505	54.7579	1.343	6.905	1.916	7.559	19.45	21.68	2.235183	0	31.72	67.47

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/12/2010 0:00	15922	1_60	2010	224	0	24.66	0.06	7.418	1.877	125.5	2342	13.21
8/12/2010 1:00	15923	1_60	2010	224	100	24.65	0.065	7.418	2.833	123.4	57	13.22
8/12/2010 2:00	15924	1_60	2010	224	200	24.65	0.065	7.418	2.901	87.1	133	13.23
8/12/2010 3:00	15925	1_60	2010	224	300	24.63	0.065	7.418	3.345	27.77	240	13.23
8/12/2010 4:00	15926	1_60	2010	224	400	24.64	0.066	7.418	2.799	73.55	342	13.23
8/12/2010 5:00	15927	1_60	2010	224	500	24.64	0.066	7.418	2.526	56.57	417	13.24
8/12/2010 6:00	15928	1_60	2010	224	600	24.65	7.127	7.418	2.423	53.5	557	13.25
8/12/2010 7:00	15929	1_60	2010	224	700	24.65	130.2	7.418	2.492	74.34	602	13.24
8/12/2010 8:00	15930	1_60	2010	224	800	24.65	172.1	7.418	3.106	286.1	745	13.19
8/12/2010 9:00	15931	1_60	2010	224	900	24.65	397.7	7.418	2.321	38.06	847	13.16
8/12/2010 10:00	15932	1_60	2010	224	1000	24.64	736.2	7.418	3.891	292.6	957	13.09
8/12/2010 11:00	15933	1_60	2010	224	1100	24.61	871	7.417	11.81	248.2	1059	13.03
8/12/2010 12:00	15934	1_60	2010	224	1200	24.59	963	7.412	12.36	227.5	1105	12.98
8/12/2010 13:00	15935	1_60	2010	224	1300	24.58	965	7.386	14.13	223.4	1228	12.95
8/12/2010 14:00	15936	1_60	2010	224	1400	24.56	646.7	7.356	13.24	226.4	1311	12.93
8/12/2010 15:00	15937	1_60	2010	224	1500	24.54	744.2	7.319	12.97	241.4	1459	12.93
8/12/2010 16:00	15938	1_60	2010	224	1600	24.52	712.8	7.279	13.69	284.5	1517	12.92
8/12/2010 17:00	15939	1_60	2010	224	1700	24.5	500.3	7.24	13.99	266.6	1618	12.91
8/12/2010 18:00	15940	1_60	2010	224	1800	24.5	298.2	7.204	14.17	293.1	1702	12.92
8/12/2010 19:00	15941	1_60	2010	224	1900	24.51	100.1	7.176	10.62	281.7	1811	12.94
8/12/2010 20:00	15942	1_60	2010	224	2000	24.52	2.095	7.158	4.847	293.8	1908	12.99
8/12/2010 21:00	15943	1_60	2010	224	2100	24.54	0.029	7.144	4.198	221	2015	13.05
8/12/2010 22:00	15944	1_60	2010	224	2200	24.54	0.036	7.134	2.97	89	2101	13.1
8/12/2010 23:00	15945	1_60	2010	224	2300	24.56	0.032	7.126	6.69	304.2	2247	13.14
8/13/2010 0:00	15946	1_60	2010	225	0	24.56	0.053	7.119	4.983	341	2322	13.17
8/13/2010 1:00	15947	1_60	2010	225	100	24.57	0.015	7.112	4.198	76.55	58	13.2
8/13/2010 2:00	15948	1_60	2010	225	200	24.58	0.052	7.106	4.096	78.37	100	13.23
8/13/2010 3:00	15949	1_60	2010	225	300	24.59	0.051	7.101	5.154	104.1	205	13.26
8/13/2010 4:00	15950	1_60	2010	225	400	24.61	0.045	7.097	4.198	76.98	300	13.28
8/13/2010 5:00	15951	1_60	2010	225	500	24.62	0.062	7.094	2.492	223.5	446	13.31
8/13/2010 6:00	15952	1_60	2010	225	600	24.63	8.4	7.091	4.198	85	520	13.33
8/13/2010 7:00	15953	1_60	2010	225	700	24.64	155.4	7.087	3.959	107.1	601	13.32
8/13/2010 8:00	15954	1_60	2010	225	800	24.65	360.3	7.084	2.731	277.3	706	13.23
8/13/2010 9:00	15955	1_60	2010	225	900	24.64	566.1	7.082	1.98	36.95	847	13.1
8/13/2010 10:00	15956	1_60	2010	225	1000	24.63	743	7.076	3.106	298	952	13.04
8/13/2010 11:00	15957	1_60	2010	225	1100	24.62	879	7.07	3.038	300	1010	13.01
8/13/2010 12:00	15958	1_60	2010	225	1200	24.59	958	7.065	3.755	233.5	1149	12.97
8/13/2010 13:00	15959	1_60	2010	225	1300	24.57	980	7.053	7.373	154.7	1241	12.93
8/13/2010 14:00	15960	1_60	2010	225	1400	24.56	942	7.03	9.42	209.6	1334	12.91
8/13/2010 15:00	15961	1_60	2010	225	1500	24.54	838	7.002	9.25	220.9	1445	12.9
8/13/2010 16:00	15962	1_60	2010	225	1600	24.53	686.1	6.968	9.28	263.2	1530	12.89
8/13/2010 17:00	15963	1_60	2010	225	1700	24.52	498.3	6.941	9.59	200.2	1651	12.89
8/13/2010 18:00	15964	1_60	2010	225	1800	24.52	290.7	6.908	10.04	227.9	1708	12.9
8/13/2010 19:00	15965	1_60	2010	225	1900	24.53	96.5	6.881	7.953	211.8	1821	12.92
8/13/2010 20:00	15966	1_60	2010	225	2000	24.54	1.948	6.859	5.53	196.6	1902	12.97
8/13/2010 21:00	15967	1_60	2010	225	2100	24.56	0.032	6.844	3.584	308.4	2019	13.03
8/13/2010 22:00	15968	1_60	2010	225	2200	24.57	0.02	6.833	3.686	213.8	2135	13.07
8/13/2010 23:00	15969	1_60	2010	225	2300	24.58	0.033	6.822	3.174	80.7	2218	13.11
8/14/2010 0:00	15970	1_60	2010	226	0	24.59	0.05	6.813	4.71	147.1	2329	13.16
8/14/2010 1:00	15971	1_60	2010	226	100	24.59	0.044	6.805	4.471	114.8	58	13.18
8/14/2010 2:00	15972	1_60	2010	226	200	24.6	0.021	6.798	4.608	112.9	113	13.21
8/14/2010 3:00	15973	1_60	2010	226	300	24.6	0.054	6.793	2.697	228.1	212	13.25
8/14/2010 4:00	15974	1_60	2010	226	400	24.61	0.036	6.788	3.618	85.1	355	13.28
8/14/2010 5:00	15975	1_60	2010	226	500	24.62	0.055	6.784	3.174	98.6	421	13.3
8/14/2010 6:00	15976	1_60	2010	226	600	24.64	7.459	6.774	3.277	99.8	516	13.32
8/14/2010 7:00	15977	1_60	2010	226	700	24.65	159.9	6.769	2.56	118.6	607	13.3
8/14/2010 8:00	15978	1_60	2010	226	800	24.67	368.8	6.765	2.116	327.7	752	13.21
8/14/2010 9:00	15979	1_60	2010	226	900	24.66	573.9	6.763	3.14	283.1	834	13.11
8/14/2010 10:00	15980	1_60	2010	226	1000	24.66	751.1	6.758	3.038	301.1	947	13.05
8/14/2010 11:00	15981	1_60	2010	226	1100	24.65	889	6.753	3.072	294.6	1044	13
8/14/2010 12:00	15982	1_60	2010	226	1200	24.63	968	6.747	3.584	287	1156	12.95
8/14/2010 13:00	15983	1_60	2010	226	1300	24.62	984	6.732	9.56	242	1240	12.92
8/14/2010 14:00	15984	1_60	2010	226	1400	24.62	958	6.698	11.61	288.7	1324	12.89
8/14/2010 15:00	15985	1_60	2010	226	1500	24.61	892	6.66	11.54	274.5	1451	12.88
8/14/2010 16:00	15986	1_60	2010	226	1600	24.61	711.4	6.606	12.94	299.9	1539	12.88
8/14/2010 17:00	15987	1_60	2010	226	1700	24.61	503.6	6.566	11.06	243.7	1635	12.88
8/14/2010 18:00	15988	1_60	2010	226	1800	24.61	290.9	6.536	8.53	286.8	1708	12.89
8/14/2010 19:00	15989	1_60	2010	226	1900	24.62	92.5	6.513	6.144	290.2	1821	12.91
8/14/2010 20:00	15990	1_60	2010	226	2000	24.64	1.753	6.498	3.584	220.8	1930	12.96
8/14/2010 21:00	15991	1_60	2010	226	2100	24.65	0.033	6.483	2.389	65.67	2047	13.02
8/14/2010 22:00	15992	1_60	2010	226	2200	24.66	0.034	6.471	3.243	130.1	2151	13.07
8/14/2010 23:00	15993	1_60	2010	226	2300	24.67	0.034	6.458	4.403	96.5	2207	13.11

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/15/2010 0:00	15994	1_60	2010	227	0	1.365046	179.0082	33.03573	0.151	4.198	1.074	6.101	18.25	20.73	2.480229	0	35.29	65.09
8/15/2010 1:00	15995	1_60	2010	227	100	2.534345	106.0646	18.29252	1.269	4.962	2.874	6.57	16.79	18.94	2.14782	0	42.34	62.92
8/15/2010 2:00	15996	1_60	2010	227	200	1.039961	169.1602	25.2216	0	0.082	0.185	1.658	14.93	16.48	1.552326	0	49.25	59.21
8/15/2010 3:00	15997	1_60	2010	227	300	1.003939	174.3475	45.64008	-0.075	1.388	0.129	1.741	15.2	17.01	1.817343	0	47.57	59.71
8/15/2010 4:00	15998	1_60	2010	227	400	1.541234	68.14317	30.73353	0.083	1.293	0.075	1.123	14.4	16.41	2.016081	0	48.76	58.4
8/15/2010 5:00	15999	1_60	2010	227	500	1.839377	79.63882	29.18449	0.262	1.79	-0.138	2.05	12.66	15.01	2.350017	0	56.54	54.99
8/15/2010 6:00	16000	1_60	2010	227	600	1.55514	97.74615	58.98144	0.119	3.614	0.358	4.351	11.39	13.32	1.927099	0	62.75	52.82
8/15/2010 7:00	16001	1_60	2010	227	700	1.585234	110.2842	15.45772	0.425	3.862	0.515	4.425	14.68	15.09	0.406642	0	52.53	59.22
8/15/2010 8:00	16002	1_60	2010	227	800	0.6179567	70.0553	30.3244	1.312	13.39	1.096	12.51	18.92	18.6	-0.3220297	0	34.5	69.35
8/15/2010 9:00	16003	1_60	2010	227	900	1.519584	296.278	20.6911	-0.416	22.49	-1.322	22.48	21.03	20.61	-0.4133927	0	32.79	71.39
8/15/2010 10:00	16004	1_60	2010	227	1000	1.217419	305.8263	40.11421	2.578	31.78	0.101	31.64	23.42	22.92	-0.4994411	0	27.39	75.93
8/15/2010 11:00	16005	1_60	2010	227	1100	0.9857673	310.0712	50.25977	-1.717	27.94	-2.408	27.43	26.43	25.87	-0.5542719	0	23.08	82
8/15/2010 12:00	16006	1_60	2010	227	1200	1.074029	355.8709	77.36662	-3.684	27.73	-7.462	26.71	30.09	29.45	-0.6415079	0	16.29	88.5
8/15/2010 13:00	16007	1_60	2010	227	1300	2.973489	306.909	39.25965	6.822	39	2.965	41.18	32.63	31.75	-0.8780377	0	12.63	91.6
8/15/2010 14:00	16008	1_60	2010	227	1400	3.442414	290.7521	30.53847	2.165	32.89	3.836	35.23	33.34	32.39	-0.9495341	0	12.67	92.6
8/15/2010 15:00	16009	1_60	2010	227	1500	4.642014	272.7108	20.15354	2.004	35.94	10.29	39.31	34.14	33.11	-1.025969	0	12.54	93.6
8/15/2010 16:00	16010	1_60	2010	227	1600	3.640967	272.4958	31.3741	4.355	32.64	9.92	34.5	34.12	33.33	-0.7878883	0	12.68	93.9
8/15/2010 17:00	16011	1_60	2010	227	1700	3.92862	268.6691	17.37719	1.083	27.29	10.47	29.96	33.91	33.25	-0.6536102	0	13.13	93.8
8/15/2010 18:00	16012	1_60	2010	227	1800	2.533537	221.7934	31.36367	0.055	20.48	9.72	21.15	33.44	33.02	-0.4273451	0	13.42	93.4
8/15/2010 19:00	16013	1_60	2010	227	1900	3.532963	243.8506	7.510754	0.909	7.27	14.56	10.24	29.82	31.07	1.253402	0	19.82	86.7
8/15/2010 20:00	16014	1_60	2010	227	2000	2.117912	237.0011	23.06447	-0.013	2.284	3.388	7.937	26.16	28.44	2.279179	0	26.08	79.47
8/15/2010 21:00	16015	1_60	2010	227	2100	1.605174	166.2159	19.06662	-0.019	0.987	0.323	1.999	23.15	27.03	3.88196	0	31.42	74.08
8/15/2010 22:00	16016	1_60	2010	227	2200	1.362372	127.0493	21.83996	0.001	0.444	0.16	1.048	20.87	24.73	3.853402	0	37.88	70.01
8/15/2010 23:00	16017	1_60	2010	227	2300	1.569191	84.46855	51.78434	0.61	7.527	0.081	8.34	21.21	23.63	2.418946	0	33.38	70.8
8/16/2010 0:00	16018	1_60	2010	228	0	3.16259	282.1574	52.96234	4.279	27.25	14.25	31.94	21.81	23.07	1.263069	0	34.84	71.16
8/16/2010 1:00	16019	1_60	2010	228	100	4.077618	274.6085	34.90021	7.139	34.01	19.41	39.11	25.14	25.58	0.4339693	0	30.99	77.52
8/16/2010 2:00	16020	1_60	2010	228	200	2.091318	338.5356	56.86391	1.149	7.582	1.23	7.53	22.66	24.08	1.42313	0	34.99	73.01
8/16/2010 3:00	16021	1_60	2010	228	300	2.508732	145.98	43.80632	3.586	18.27	8.84	22.5	23.08	24.2	1.115872	0	35.89	73.45
8/16/2010 4:00	16022	1_60	2010	228	400	2.619612	358.2222	34.78355	5.055	23.24	4.851	25.96	23.11	23.68	0.5678308	0	38.15	73.75
8/16/2010 5:00	16023	1_60	2010	228	500	1.699436	309.0151	37.86102	1.269	20.17	1.552	20.39	22.79	23.47	0.6746747	0	41.2	73.09
8/16/2010 6:00	16024	1_60	2010	228	600	2.383047	212.1491	29.65236	1.298	10.26	6.153	11.48	21.93	23.11	1.180708	0.01	51.81	71.9
8/16/2010 7:00	16025	1_60	2010	228	700	3.508984	24.61381	43.61089	7.197	23.53	7.275	26.31	19.8	20.57	0.7660746	0	65.04	67.86
8/16/2010 8:00	16026	1_60	2010	228	800	2.889122	285.6988	17.14072	2.436	9.95	5.697	12.44	20.64	21.1	0.4618615	0.05	62.8	69.52
8/16/2010 9:00	16027	1_60	2010	228	900	3.538559	110.1654	25.51414	6.18	13.1	9.57	14.36	18.03	18.41	0.3792785	0.06	84.5	64.68
8/16/2010 10:00	16028	1_60	2010	228	1000	4.89417	129.4831	8.201597	8.99	21.68	21.36	24.52	20.4	20.22	-0.1793064	0	75.35	68.76
8/16/2010 11:00	16029	1_60	2010	228	1100	5.849216	116.5196	9.502934	15.51	29.44	26.9	32.73	23.39	22.64	-0.7405515	0	58.76	74.03
8/16/2010 12:00	16030	1_60	2010	228	1200	4.304772	87.70078	16.71709	12.67	31.08	10.55	34.12	26	25.12	-0.8850467	0	45.98	79.15
8/16/2010 13:00	16031	1_60	2010	228	1300	2.724342	100.6112	32.83333	1.062	33.82	-0.366	36.8	27.01	26.22	-0.7929711	0	39.61	81.2
8/16/2010 14:00	16032	1_60	2010	228	1400	3.457841	216.4445	41.37541	-0.25	23.98	12.15	28.97	24.67	25.24	0.5642933	0.02	48.96	77.01
8/16/2010 15:00	16033	1_60	2010	228	1500	4.44287	152.5925	34.94348	5.321	36.24	26.25	44.73	23.51	23.29	-0.217911	0	50.21	74.71
8/16/2010 16:00	16034	1_60	2010	228	1600	3.350941	177.2396	49.32294	3.807	24.86	15.85	28.77	25.67	25.47	-0.2008583	0	44.71	78.53
8/16/2010 17:00	16035	1_60	2010	228	1700	5.205194	126.192	62.04671	7.512	39.2	15.62	44.57	16.89	17.31	0.4171681	0.2	77.79	62.75
8/16/2010 18:00	16036	1_60	2010	228	1800	4.65501	118.9685	13.04628	9.29	21.8	18.05	22.97	17.41	17.4	-0.005702712	0.01	82.2	63.25
8/16/2010 19:00	16037	1_60	2010	228	1900	3.723952	94.27666	11.72504	8.27	16.44	6.825	16.47	18.28	18.46	0.1870586	0	74.78	65.35
8/16/2010 20:00	16038	1_60	2010	228	2000	1.512981	132.6343	40.01402	0.625	5.144	1.714	5.593	17.4	18.34	0.9367315	0	80.2	63.49
8/16/2010 21:00	16039	1_60	2010	228	2100	3.87156	156.139	20.67252	3.973	19.13	22.46	21.31	16.48	17.25	0.7678459	0	74.97	61.8
8/16/2010 22:00	16040	1_60	2010	228	2200	2.192426	74.32301	41.28532	2.092	13.47	0.127	12.8	15.69	16.56	0.8756723	0	75.8	60.5
8/16/2010 23:00	16041	1_60	2010	228	2300	1.376814	76.76529	26.99867	0.009	0.348	-0.001	0.089	14.86	15.74	0.8757838	0	80.3	58.98
8/17/2010 0:00	16042	1_60	2010	229	0	2.176417	108.1248	12.42521	0.915	3.788	1.031	3.53	13.27	13.86	0.5962757	0	90.4	56.09
8/17/2010 1:00	16043	1_60	2010	229	100	2.189421	136.3993	12.03763	1.105	4.351	3.915	6.401	13.51	14.67	1.15787	0	87.6	56.51
8/17/2010 2:00	16044	1_60	2010	229	200	1.999177	138.8149	31.00442	0.222	4.116	0.952	3.684	13.04	14.03	0.993444	0	88.9	55.76
8/17/2010 3:00	16045	1_60	2010	229	300	1.238214	55.40266	41.37657	-0.004	0.669	-0.038	0.465	12.4	13.05	0.6515298	0	91.9	54.41
8/17/2010 4:00	16046	1_60	2010	229	400	1.075997	113.0324	16.67658	0	0.066	0	0.014	11.9	12.86	0.9624217	0	93.5	53.62
8/17/2010 5:00	16047	1_60	2010	229	500	1.240931	131.5516	10.43922	0.002	0.059	0.001	0.016	11.64	12.89	1.247002	0	93.8	53.14
8/17/2010 6:00	16048	1_60	2010	229	600	1.250105	125.0986	23.71272	0	0.157	-0.001	0.092	11.58	12.5	0.9194276	0	93.5	53
8/17/2010 7:00	16049	1_60	2010	229	700	0.7782648	101.251	34.00697	0.314	2.74	0.372	2.618	13.33	13.45	0.1225147	0	86.4	57.58
8/17/2010 8:00	16050	1_60	2010	229	800	0.442167	123.1843	48.04714	3.407	18	2.757	15.9	16.05	15.65	-0.3944317	0	70.32	63.83
8/17/2010 9:00	16051	1_60	2010	229	900	0.4953879	186.2504	55.3289	8.25	21.23	9.32	21.48	18.11	17.58	-0.5319621	0	64.52	67.43
8/17/2010 10:00	16052	1_60	2010	229	1000	0.7905262	23.59006	58.17566	3.377	27.22	2.591	27.33	20.06	19.57	-0.4883878	0	59.11	70.8
8/17/2010 11:00	16053	1_60	2010	229	1100	0.9735929	273.9543	44.31126	4.419	29.25	4.552	27.51	22.51	21.93	-0.5868556	0	52.74	74.6
8/17/2010 12:00	16054	1_60	2010	229	1200	1.223877	346.5915	53.52284	6.739	32.27	4.372	31.49	24.94	24.27	-0.6729612	0	43.68	78.89
8/17/2010 13:00	16055	1_60	2010	229	1300	1.311884	349.6289	62.40966	-0.067	27.84	-2.927	26.55	26.82	26.18	-0.6452292	0	37.32	82.3
8/17/2010 14:00	16056	1_60	2010	229	1400	1.985872	43.16217	39.73369	4.944	31.39	-2.676	32.22	28.64	27.92	-0.7208952	0	33.19	84.8
8/17/2010 15:00	16057	1_60	2010	229	1500	2.046516	104.3998	35.1091	9.24	28.68	9.99	31.6	30.24	29.33	-0.9035156	0	27.85	87
8/17/2010 16:00	16058	1_60	2010	229	1600	2.193201	48.22521	28.01685	7.231	25.53	0.47	26.3	30.71	30.11	-0.6030588	0	22.07	88.2
8/17/2010 17:00	16059	1_60	2010	229	1700	1.776863	10.09569	29.99581	4.674	21.84	-0.299	22.54	30.88	30.46	-0.4167507	0	18.68	89.2
8/17/2010 18:00	16060	1_60	2010	229	1800	1.200127	262.3015	47.17814	0.842	11.9	2.334	12.25	30.6	30.5	-0.1023374	0	18.32	89.3
8/17/2010 19:00	16061	1_60	2010	229	1900	2.00811	162.9156	11.95431	0.864	4.716	7.882	10.36	27.56	28.17	0.6185813	0	33.48	82.1
8/17/2010 20:00	16062	1_60	2010	229	2000	2.841139	152.0053	21.10684	0.74	4.372	8.02	9.67	23.07	26.68	3.607852	0	43.93	74
8/17/2010 21:00	16063	1_60	2010	229	2100	1.950515	132.2541	13.60815	-0.003	2.76	1.025	4.434	21.29	23.49	2.201726	0	50.37	70.69
8/17/2010 22:00	16064	1_60	2010	229	2200	1.278545	168.253	41.80287	-0.099	7.815	2.401	9.31	21.44	23.86	2.415673	0	44.22	71.01
8/17/2010 23:00	16065	1_60	2010	229	2300	1.73365	115.5721	41.19883	1.029	10.54	1.591	10	19.57	21.26	1.690175	0	50.8	67.73

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/15/2010 0:00	15994	1_60	2010	227	0	24.68	0.051	6.45	2.492	144.4	2342	13.14
8/15/2010 1:00	15995	1_60	2010	227	100	24.68	0.047	6.442	4.062	116.9	19	13.17
8/15/2010 2:00	15996	1_60	2010	227	200	24.69	0.021	6.436	2.423	120.2	103	13.2
8/15/2010 3:00	15997	1_60	2010	227	300	24.7	0.055	6.432	1.911	79.44	222	13.22
8/15/2010 4:00	15998	1_60	2010	227	400	24.71	0.061	6.428	2.97	86.3	359	13.24
8/15/2010 5:00	15999	1_60	2010	227	500	24.72	0.043	6.424	3.652	47.75	456	13.26
8/15/2010 6:00	16000	1_60	2010	227	600	24.74	6.794	6.42	3.243	69.53	501	13.28
8/15/2010 7:00	16001	1_60	2010	227	700	24.75	152.1	6.416	2.662	118.2	604	13.27
8/15/2010 8:00	16002	1_60	2010	227	800	24.76	355.5	6.413	1.707	256.5	759	13.18
8/15/2010 9:00	16003	1_60	2010	227	900	24.75	559.1	6.408	3.584	333.5	842	13.08
8/15/2010 10:00	16004	1_60	2010	227	1000	24.75	737.4	6.401	2.697	319.3	915	13.02
8/15/2010 11:00	16005	1_60	2010	227	1100	24.73	873	6.395	3.106	295.5	1029	12.98
8/15/2010 12:00	16006	1_60	2010	227	1200	24.71	952	6.388	3.618	34.95	1158	12.93
8/15/2010 13:00	16007	1_60	2010	227	1300	24.69	976	6.371	8.29	343.4	1212	12.9
8/15/2010 14:00	16008	1_60	2010	227	1400	24.67	945	6.346	9.8	270.5	1359	12.88
8/15/2010 15:00	16009	1_60	2010	227	1500	24.65	854	6.311	8.98	289.9	1401	12.87
8/15/2010 16:00	16010	1_60	2010	227	1600	24.64	668.8	6.274	7.646	285.9	1523	12.86
8/15/2010 17:00	16011	1_60	2010	227	1700	24.63	500.2	6.238	8.53	238.9	1634	12.86
8/15/2010 18:00	16012	1_60	2010	227	1800	24.62	304.1	6.212	5.905	197.4	1734	12.87
8/15/2010 19:00	16013	1_60	2010	227	1900	24.62	62.53	6.184	5.393	230.8	1801	12.89
8/15/2010 20:00	16014	1_60	2010	227	2000	24.63	1.615	6.163	4.745	233.2	1901	12.94
8/15/2010 21:00	16015	1_60	2010	227	2100	24.65	0.036	6.148	2.833	143.1	2014	13
8/15/2010 22:00	16016	1_60	2010	227	2200	24.65	0.026	6.135	3.55	118.9	2145	13.05
8/15/2010 23:00	16017	1_60	2010	227	2300	24.65	0.055	6.124	3.823	94.6	2220	13.08
8/16/2010 0:00	16018	1_60	2010	228	0	24.66	0.028	6.113	8.77	218.9	2353	13.1
8/16/2010 1:00	16019	1_60	2010	228	100	24.67	0.024	6.102	9.83	203	13	13.08
8/16/2010 2:00	16020	1_60	2010	228	200	24.69	0.051	6.097	4.096	271	137	13.07
8/16/2010 3:00	16021	1_60	2010	228	300	24.67	0.053	6.091	6.861	150	253	13.07
8/16/2010 4:00	16022	1_60	2010	228	400	24.7	0.049	6.085	7.509	174.1	303	13.07
8/16/2010 5:00	16023	1_60	2010	228	500	24.72	0.052	6.078	6.076	283.2	434	13.07
8/16/2010 6:00	16024	1_60	2010	228	600	24.72	1.704 AQ		4.983	128.6	547	13.07
8/16/2010 7:00	16025	1_60	2010	228	700	24.74	25.12	6.076	8.36	94.8	612	13.1
8/16/2010 8:00	16026	1_60	2010	228	800	24.77	88.2 AQ		7.612	270.1	756	13.1
8/16/2010 9:00	16027	1_60	2010	228	900	24.75	144.5 AQ		6.076	105.8	812	13.12
8/16/2010 10:00	16028	1_60	2010	228	1000	24.75	365.8 AQ		7.748	132.3	958	13.11
8/16/2010 11:00	16029	1_60	2010	228	1100	24.74	731.1	6.133	8.7	121	1026	13.05
8/16/2010 12:00	16030	1_60	2010	228	1200	24.71	885	6.133	8.06	84.7	1117	13.01
8/16/2010 13:00	16031	1_60	2010	228	1300	24.69	763.3	6.133	5.393	109	1238	12.98
8/16/2010 14:00	16032	1_60	2010	228	1400	24.67	133	6.131	11.33	285.3	1330	12.97
8/16/2010 15:00	16033	1_60	2010	228	1500	24.65	499.2 AQ		15.33	217.6	1404	13.01
8/16/2010 16:00	16034	1_60	2010	228	1600	24.71	229.1	6.126	17.51	240.4	1558	13
8/16/2010 17:00	16035	1_60	2010	228	1700	24.7	58.78 AQ		19.56	264.8	1604	12.8
8/16/2010 18:00	16036	1_60	2010	228	1800	24.7	147.1	6.207	7.339	139.1	1719	12.4
8/16/2010 19:00	16037	1_60	2010	228	1900	24.72	99.3	6.207	7.031	87.7	1827	12.97
8/16/2010 20:00	16038	1_60	2010	228	2000	24.74	1.772	6.207	3.174	128.2	1933	13.16
8/16/2010 21:00	16039	1_60	2010	228	2100	24.75	0.032	6.207	6.997	134.8	2013	13.17
8/16/2010 22:00	16040	1_60	2010	228	2200	24.75	0.044	6.207	4.506	48.81	2111	13.19
8/16/2010 23:00	16041	1_60	2010	228	2300	24.75	0.061	6.206	3.004	80.1	2259	13.21
8/17/2010 0:00	16042	1_60	2010	229	0	24.76	0.065	6.205	3.106	95.1	2304	13.23
8/17/2010 1:00	16043	1_60	2010	229	100	24.75	0.064	6.204	3.55	134.9	22	13.24
8/17/2010 2:00	16044	1_60	2010	229	200	24.75	0.06	6.204	3.174	94.6	130	13.25
8/17/2010 3:00	16045	1_60	2010	229	300	24.75	0.063	6.202	2.458	21.81	206	13.26
8/17/2010 4:00	16046	1_60	2010	229	400	24.75	0.067	6.202	1.946	88.1	312	13.28
8/17/2010 5:00	16047	1_60	2010	229	500	24.76	0.067	6.202	2.185	125.3	411	13.28
8/17/2010 6:00	16048	1_60	2010	229	600	24.77	6.204	6.201	2.423	90.4	514	13.29
8/17/2010 7:00	16049	1_60	2010	229	700	24.79	144.9	6.201	1.911	107.8	609	13.27
8/17/2010 8:00	16050	1_60	2010	229	800	24.79	335.7	6.2	1.707	117.6	749	13.2
8/17/2010 9:00	16051	1_60	2010	229	900	24.79	535.4	6.2	1.707	76.04	859	13.12
8/17/2010 10:00	16052	1_60	2010	229	1000	24.79	710.4	6.199	2.15	310.7	956	13.06
8/17/2010 11:00	16053	1_60	2010	229	1100	24.77	847	6.196	2.389	298.3	1030	13.02
8/17/2010 12:00	16054	1_60	2010	229	1200	24.75	925	6.19	3.106	111.7	1155	12.98
8/17/2010 13:00	16055	1_60	2010	229	1300	24.73	949	6.179	3.584	338.2	1249	12.95
8/17/2010 14:00	16056	1_60	2010	229	1400	24.71	909	6.165	4.608	28.53	1328	12.92
8/17/2010 15:00	16057	1_60	2010	229	1500	24.69	846	6.143	6.076	97.6	1450	12.9
8/17/2010 16:00	16058	1_60	2010	229	1600	24.67	608.5	6.12	5.052	85.4	1541	12.89
8/17/2010 17:00	16059	1_60	2010	229	1700	24.67	479.5	6.095	4.369	72.51	1604	12.89
8/17/2010 18:00	16060	1_60	2010	229	1800	24.66	235.9	6.074	2.662	260.1	1720	12.89
8/17/2010 19:00	16061	1_60	2010	229	1900	24.67	72.71	6.061	3.482	189.2	1854	12.92
8/17/2010 20:00	16062	1_60	2010	229	2000	24.68	1.411	6.042	4.233	92.3	1950	12.97
8/17/2010 21:00	16063	1_60	2010	229	2100	24.69	0.034	6.024	3.447	124.3	2008	13.03
8/17/2010 22:00	16064	1_60	2010	229	2200	24.71	0.049	6.011	3.823	149.5	2130	13.08
8/17/2010 23:00	16065	1_60	2010	229	2300	24.71	0.036	6	3.755	107.4	2203	13.1

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/18/2010 0:00	16066	1_60	2010	230	0	1.635722	129.9651	24.50046	0.61	4.005	1.098	4.505	17.34	18.81	1.475901	0	61.7	63.43
8/18/2010 1:00	16067	1_60	2010	230	100	3.979962	125.4341	6.128642	3.971	8.56	13.28	12.04	17.78	19.79	2.00398	0	53.98	64.21
8/18/2010 2:00	16068	1_60	2010	230	200	3.703882	119.8699	6.563399	4.727	8.53	11.1	9.51	17.14	18.77	1.630552	0	54.35	63.16
8/18/2010 3:00	16069	1_60	2010	230	300	3.70747	130.3028	6.608708	5.073	9.42	14.82	10.86	16.85	18.22	1.367276	0	54.5	62.64
8/18/2010 4:00	16070	1_60	2010	230	400	1.325451	73.4492	39.51053	1.483	9	1.254	8.2	15.07	16.15	1.080798	0	63.94	59.53
8/18/2010 5:00	16071	1_60	2010	230	500	1.61769	113.4176	17.14367	0.029	0.62	0.037	0.465	13.7	15.18	1.48116	0	75.26	56.78
8/18/2010 6:00	16072	1_60	2010	230	600	1.453138	104.3652	33.74715	0.015	0.935	0.043	0.568	14.23	15.54	1.316452	0	74.94	57.7
8/18/2010 7:00	16073	1_60	2010	230	700	1.06274	114.5542	22.85401	0.462	3.002	0.269	1.738	15.82	15.83	0.01156973	0	70.87	61.15
8/18/2010 8:00	16074	1_60	2010	230	800	0.6991892	304.1267	42.80417	1.728	11.49	1.382	11.24	18.16	17.97	-0.1845367	0	58.79	66.13
8/18/2010 9:00	16075	1_60	2010	230	900	1.248565	15.43362	34.04048	1.338	21.56	-1.751	21.31	21.4	21.01	-0.385506	0	40.23	72.87
8/18/2010 10:00	16076	1_60	2010	230	1000	0.9335725	142.0184	48.21033	2.746	24.28	4.148	24.29	23.75	23.07	-0.6813828	0	32.48	76.78
8/18/2010 11:00	16077	1_60	2010	230	1100	1.396731	285.3034	48.36998	2.559	28.14	2.208	28.98	26.33	25.69	-0.6401888	0	29.86	81.3
8/18/2010 12:00	16078	1_60	2010	230	1200	1.234515	313.7419	58.85347	4.248	30.28	3.727	30.63	28.88	28.24	-0.6355141	0	25.35	85.9
8/18/2010 13:00	16079	1_60	2010	230	1300	2.414472	214.9994	57.20087	1.673	38.08	11.97	40.71	31.96	30.94	-1.019151	0	19.19	90.6
8/18/2010 14:00	16080	1_60	2010	230	1400	4.942777	192.6624	22.82531	4.798	36.41	28.84	38.56	32.3	31.37	-0.9257888	0	18.17	90.2
8/18/2010 15:00	16081	1_60	2010	230	1500	6.917157	225.0728	25.8861	3.549	43.17	35.68	45.55	30.76	30.12	-0.637946	0	24.74	87.3
8/18/2010 16:00	16082	1_60	2010	230	1600	6.031711	257.6646	16.24161	3.135	36.31	23.24	42.23	28.99	28.72	-0.2719882	0	28.72	84.3
8/18/2010 17:00	16083	1_60	2010	230	1700	5.311615	282.908	11.04205	2.185	26.32	6.785	27.51	28.12	28.08	-0.04107069	0	28.73	82.7
8/18/2010 18:00	16084	1_60	2010	230	1800	3.582572	308.6894	13.53933	3.031	17.46	1.45	19.25	27.08	27.24	0.1623342	0	30.97	80.9
8/18/2010 19:00	16085	1_60	2010	230	1900	3.149476	296.0026	17.63933	3.768	15.14	1.19	16.18	25.51	25.94	0.4359155	0	35.55	78.17
8/18/2010 20:00	16086	1_60	2010	230	2000	1.38837	156.4088	33.7949	0.465	3.538	1.066	4.697	23.5	24.79	1.293937	0	43.8	74.44
8/18/2010 21:00	16087	1_60	2010	230	2100	1.637794	265.2119	32.96471	-0.04	4.518	0.355	4.911	23.2	24.43	1.226926	0	44.56	73.95
8/18/2010 22:00	16088	1_60	2010	230	2200	2.954771	145.2817	26.87224	2.862	21.11	12.49	27.93	22.45	23.23	0.7817101	0	50.55	72.45
8/18/2010 23:00	16089	1_60	2010	230	2300	4.835031	135.1056	30.52994	6.967	39.61	27.09	47.73	21.54	21.53	-0.008195705	0	56.45	70.78
8/19/2010 0:00	16090	1_60	2010	231	0	4.670619	111.9053	21.69253	12.53	30.86	17.68	32.01	20.95	20.98	0.02748647	0	56.92	69.74
8/19/2010 1:00	16091	1_60	2010	231	100	3.138583	144.9221	8.25213	4.682	11.72	13.94	13.76	19.58	19.55	-0.02624636	0	65.04	67.22
8/19/2010 2:00	16092	1_60	2010	231	200	1.701594	69.70997	26.2999	1.013	4.499	0.339	3.956	19.01	19.01	-0.007645206	0	70.18	66.29
8/19/2010 3:00	16093	1_60	2010	231	300	0.9582058	204.5819	35.2235	0.274	2.092	0.576	2.896	18.64	18.76	0.1209491	0	73.43	65.59
8/19/2010 4:00	16094	1_60	2010	231	400	0.862836	54.82307	32.77255	-0.031	0.984	-0.024	0.867	18.27	18.47	0.1941538	0	77.83	64.95
8/19/2010 5:00	16095	1_60	2010	231	500	1.41488	170.6557	20.64601	-0.009	1.017	0.37	1.621	17.45	17.82	0.3628257	0.02	86.9	63.57
8/19/2010 6:00	16096	1_60	2010	231	600	0.766323	154.7609	19.53461	0.005	0.137	0.104	0.676	17.32	17.49	0.1671204	0	91.5	63.17
8/19/2010 7:00	16097	1_60	2010	231	700	1.148299	156.2526	12.42684	0.199	1.646	0.635	2.195	17.67	17.67	0.008917733	0	89.6	63.88
8/19/2010 8:00	16098	1_60	2010	231	800	2.087872	118.486	12.00731	2.666	7.387	3.7	7.22	18.77	18.67	-0.0995059	0	80.7	65.94
8/19/2010 9:00	16099	1_60	2010	231	900	1.907447	63.93637	24.69288	1.707	15.63	-1.919	16.46	20.56	20.3	-0.2547136	0	67.45	69.64
8/19/2010 10:00	16100	1_60	2010	231	1000	2.448064	212.8389	39.82756	2.602	29.52	10.23	29.33	22.7	22.07	-0.6377417	0	53.77	73.49
8/19/2010 11:00	16101	1_60	2010	231	1100	2.541018	210.4338	45.26075	3.762	31.81	14.14	33.7	24.3	23.42	-0.8717274	0	45.25	76.64
8/19/2010 12:00	16102	1_60	2010	231	1200	3.26299	239.7945	36.24542	3.875	36.04	15.17	37.77	25.72	24.66	-1.051474	0	39.18	78.76
8/19/2010 13:00	16103	1_60	2010	231	1300	4.28585	210.5904	29.42941	6.062	39.12	29.51	42.51	27.57	26.26	-1.314886	0	33.96	81.7
8/19/2010 14:00	16104	1_60	2010	231	1400	4.696298	262.7834	21.8361	0.6	32.16	8.48	35.94	28.35	27.28	-1.073909	0	30.25	83
8/19/2010 15:00	16105	1_60	2010	231	1500	7.59666	207.7579	19.2721	5.481	42.34	52.24	47.84	23.29	23	-0.2864279	0	48.74	73.99
8/19/2010 16:00	16106	1_60	2010	231	1600	6.816005	300.1797	27.28549	11.19	37.79	-1.523	41.81	17.1	17.14	0.04395636	0.14	81.2	62.81
8/19/2010 17:00	16107	1_60	2010	231	1700	1.837672	149.5137	37.31906	2.03	11.73	6.234	13.47	16.96	16.91	-0.05863954	0.03	84	62.39
8/19/2010 18:00	16108	1_60	2010	231	1800	4.529531	111.7546	8.96545	9.49	18.14	15.02	19.44	17.13	17.16	0.03096041	0	85.2	62.88
8/19/2010 19:00	16109	1_60	2010	231	1900	5.59224	117.8207	7.431977	11.9	25.13	21.18	25.53	17.14	17.24	0.1072686	0	81.1	62.94
8/19/2010 20:00	16110	1_60	2010	231	2000	2.576293	100.378	9.996241	2.502	7.169	4.085	7.243	16.53	17.13	0.6015338	0	86.2	61.87
8/19/2010 21:00	16111	1_60	2010	231	2100	1.676198	299.9876	41.1445	0.294	4.103	-0.098	2.522	15.74	16.59	0.8523958	0	88.9	60.38
8/19/2010 22:00	16112	1_60	2010	231	2200	1.227821	197.9457	22.4117	-0.062	1.85	-0.117	1.85	14.96	15.69	0.7294627	0	90.2	59.18
8/19/2010 23:00	16113	1_60	2010	231	2300	1.548314	118.6182	10.29404	-0.001	0.105	0.002	0.113	14.1	15.08	0.9777141	0	91.3	57.63
8/20/2010 0:00	16114	1_60	2010	232	0	1.779482	131.7428	14.642	0.049	0.65	0.006	0.189	13.04	14.42	1.381508	0	93.6	55.68
8/20/2010 1:00	16115	1_60	2010	232	100	1.980013	120.4158	7.680946	0.143	1.503	0.201	1.292	13.1	14.14	1.035493	0	93.5	55.58
8/20/2010 2:00	16116	1_60	2010	232	200	1.533875	145.3235	14.83888	0.147	1.425	0.288	1.841	12.39	13.47	1.078676	0	93.5	54.62
8/20/2010 3:00	16117	1_60	2010	232	300	1.185816	124.2853	22.78787	0.149	1.497	0.261	1.606	12.33	13.17	0.8334768	0	93.6	54.25
8/20/2010 4:00	16118	1_60	2010	232	400	1.120732	141.574	24.46332	0	0.126	0.009	0.182	11.69	12.69	1.000391	0	94.2	53.27
8/20/2010 5:00	16119	1_60	2010	232	500	1.232128	141.3319	21.4924	0.012	0.2	0.056	0.412	11.02	11.88	0.8600507	0	95.3	52.04
8/20/2010 6:00	16120	1_60	2010	232	600	1.841963	144.6499	20.57012	0.581	2.696	0.749	3.111	11.04	11.83	0.7834088	0	95.6	51.95
8/20/2010 7:00	16121	1_60	2010	232	700	1.000159	105.0555	22.03137	1.46	5.73	1.036	4.701	12.6	12.36	-0.2323898	0	88.6	56.27
8/20/2010 8:00	16122	1_60	2010	232	800	0.8355516	332.4564	41.87991	5.484	17.3	5.03	16.27	14.53	14.21	-0.3150111	0	78.45	60.62
8/20/2010 9:00	16123	1_60	2010	232	900	0.9156528	207.7671	37.2994	1.22	25.1	4.284	25.82	15.97	15.38	-0.5861853	0	72.65	62.56
8/20/2010 10:00	16124	1_60	2010	232	1000	0.8555202	9.608905	46.90123	5.934	31.08	3.435	29.03	17.99	17.53	-0.4607635	0	62.94	66.97
8/20/2010 11:00	16125	1_60	2010	232	1100	1.037082	159.1224	63.1436	4.097	32.45	5.807	31.52	20.59	19.86	-0.7319142	0	52.52	71.02
8/20/2010 12:00	16126	1_60	2010	232	1200	1.201518	41.14129	65.69595	7.392	35.01	8.92	32.97	23.12	22.36	-0.7606663	0	40.48	75.62
8/20/2010 13:00	16127	1_60	2010	232	1300	1.381682	257.9594	54.51786	-2.763	33.51	-2.362	33.52	24.93	24.17	-0.7642811	0	30.62	78.67
8/20/2010 14:00	16128	1_60	2010	232	1400	1.618738	257.0099	52.2036	2.392	36.33	5.311	38.05	26.21	25.45	-0.7627754	0	26.11	80.5
8/20/2010 15:00	16129	1_60	2010	232	1500	2.000296	242.9118	40.6082	-2.771	29.02	3.396	31.87	27.16	26.35	-0.8056082	0	20.42	82.1
8/20/2010 16:00	16130	1_60	2010	232	1600	2.377243	241.7975	40.21972	-2.549	32.75	5.554	35.79	28	27.17	-0.825143	0	18.06	83.2
8/20/2010 17:00	16131	1_60	2010	232	1700	1.472197	251.0038	51.3073	3.706	24.87	7.567	24.82	28.2	27.58	-0.6257185	0	18.4	84.8
8/20/2010 18:00	16132	1_60	2010	232	1800	1.865238	253.4344	35.24341	3.794	16.44	7.761	18.47	27.79	27.37	-0.4222279	0	22.32	83.5
8/20/2010 19:00	16133	1_60	2010	232	1900	1.605701	204.6226	7.862094	-0.038	2.523	1.404	4.599	25.06	25.91	0.8563905	0	34.06	78.34
8/20/2010 20:00	16134	1_60	2010	232	2000	1.918652	168.7145	16.04356	0	1.707	0.045	2.589	20.97	23.74	2.770359	0	46.71	70.16
8/20/2010 21:00	16135	1_60	2010	232	2100	2.226828	139.9467	16.46193	0.208	2.656	1.9	4.776	18.22	20.66	2.440683	0	58.6	65.29
8/20/2010 22:00	16136	1_60	2010	232	2200	1.780808	135.2618	14.25717	0.231	7.523	3.132	9.57	20	21.61	1.607586	0	45.15	68.12
8/20/2010 23:00	16137	1_60	2010	232	2300	1.472168	124.5319	9.443332	0.133	3.225	0.655	3.582	17.94	19.61	1.666521	0	53.53	64.66

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/18/2010 0:00	16066	1_60	2010	230	0	24.73	0.058	5.992	3.243	143.1	2359	13.14
8/18/2010 1:00	16067	1_60	2010	230	100	24.73	0.04	5.983	6.383	140.4	57	13.16
8/18/2010 2:00	16068	1_60	2010	230	200	24.73	0.031	5.974	5.257	122.1	142	13.17
8/18/2010 3:00	16069	1_60	2010	230	300	24.73	0.024	5.968	5.666	120.3	211	13.18
8/18/2010 4:00	16070	1_60	2010	230	400	24.73	0.043	5.962	3.55	137.6	300	13.19
8/18/2010 5:00	16071	1_60	2010	230	500	24.74	0.063	5.958	2.765	106.1	457	13.22
8/18/2010 6:00	16072	1_60	2010	230	600	24.75	6.23	5.955	3.106	73.04	544	13.22
8/18/2010 7:00	16073	1_60	2010	230	700	24.76	103.3	5.952	2.014	124.9	608	13.21
8/18/2010 8:00	16074	1_60	2010	230	800	24.76	272.4	5.95	1.809	253.8	744	13.17
8/18/2010 9:00	16075	1_60	2010	230	900	24.76	535.1	5.946	3.243	332	843	13.09
8/18/2010 10:00	16076	1_60	2010	230	1000	24.75	721.6	5.943	2.799	257.6	913	13.03
8/18/2010 11:00	16077	1_60	2010	230	1100	24.73	858	5.937	4.471	293.9	1040	12.98
8/18/2010 12:00	16078	1_60	2010	230	1200	24.71	875	5.927	2.867	314	1124	12.94
8/18/2010 13:00	16079	1_60	2010	230	1300	24.68	1020	5.921	8.29	170.8	1235	12.9
8/18/2010 14:00	16080	1_60	2010	230	1400	24.67	607.6	5.894	10.24	135.9	1350	12.88
8/18/2010 15:00	16081	1_60	2010	230	1500	24.67	479.7	5.85	12.8	245.8	1419	12.89
8/18/2010 16:00	16082	1_60	2010	230	1600	24.68	249.4	5.814	11.67	253.3	1516	12.91
8/18/2010 17:00	16083	1_60	2010	230	1700	24.67	149	5.786	8.81	291.7	1650	12.94
8/18/2010 18:00	16084	1_60	2010	230	1800	24.66	47.66	5.762	9.45	283.4	1701	12.96
8/18/2010 19:00	16085	1_60	2010	230	1900	24.64	15.14	5.744	8.16	334.3	1812	12.98
8/18/2010 20:00	16086	1_60	2010	230	2000	24.66	0.369	5.735	3.14	286	1900	13.01
8/18/2010 21:00	16087	1_60	2010	230	2100	24.67	0.038	5.729	2.867	290.5	2025	13.03
8/18/2010 22:00	16088	1_60	2010	230	2200	24.69	0.047	5.719	10.75	142.2	2141	13.05
8/18/2010 23:00	16089	1_60	2010	230	2300	24.69	0.059	5.707	11.91	198.2	2206	13.06
8/19/2010 0:00	16090	1_60	2010	231	0	24.71	0.064	5.699	8.02	141.4	2307	13.07
8/19/2010 1:00	16091	1_60	2010	231	100	24.69	0.055	5.692	5.427	139.9	19	13.09
8/19/2010 2:00	16092	1_60	2010	231	200	24.68	0.057	5.688	3.209	31.14	148	13.1
8/19/2010 3:00	16093	1_60	2010	231	300	24.67	0.063	5.684	3.174	85.8	200	13.11
8/19/2010 4:00	16094	1_60	2010	231	400	24.67	0.064	5.683	1.911	46.93	303	13.12
8/19/2010 5:00	16095	1_60	2010	231	500	24.67	0.061 AQ		2.389	153.6	448	13.14
8/19/2010 6:00	16096	1_60	2010	231	600	24.68	3.317	5.685	2.048	150.2	501	13.15
8/19/2010 7:00	16097	1_60	2010	231	700	24.68	67.18	5.685	2.185	132.6	653	13.15
8/19/2010 8:00	16098	1_60	2010	231	800	24.68	125.5	5.685	3.379	109.5	717	13.14
8/19/2010 9:00	16099	1_60	2010	231	900	24.67	314.8	5.685	3.311	87.4	853	13.11
8/19/2010 10:00	16100	1_60	2010	231	1000	24.66	531.5	5.685	6.519	233	958	13.07
8/19/2010 11:00	16101	1_60	2010	231	1100	24.65	785.6	5.68	7.202	234.9	1038	13.02
8/19/2010 12:00	16102	1_60	2010	231	1200	24.62	848	5.673	7.168	234.4	1118	12.98
8/19/2010 13:00	16103	1_60	2010	231	1300	24.6	913	5.655	9.05	213.1	1213	12.95
8/19/2010 14:00	16104	1_60	2010	231	1400	24.57	643.8	5.617	10.55	303.3	1337	12.89
8/19/2010 15:00	16105	1_60	2010	231	1500	24.62	155.7	5.595	18.43	198.9	1411	12.96
8/19/2010 16:00	16106	1_60	2010	231	1600	24.66	65.63 AQ		18.98	303.5	1503	13.05
8/19/2010 17:00	16107	1_60	2010	231	1700	24.64	126.9 AQ		6.042	123.7	1654	13.12
8/19/2010 18:00	16108	1_60	2010	231	1800	24.63	58	5.638	8.57	127.8	1759	13.14
8/19/2010 19:00	16109	1_60	2010	231	1900	24.64	64.89	5.635	8.81	107.2	1811	13.15
8/19/2010 20:00	16110	1_60	2010	231	2000	24.64	1.627	5.635	4.71	114.8	1903	13.16
8/19/2010 21:00	16111	1_60	2010	231	2100	24.65	0.047	5.635	2.935	261.6	2014	13.18
8/19/2010 22:00	16112	1_60	2010	231	2200	24.66	0.065	5.635	2.15	317.1	2100	13.2
8/19/2010 23:00	16113	1_60	2010	231	2300	24.66	0.06	5.635	2.321	143.6	2232	13.22
8/20/2010 0:00	16114	1_60	2010	232	0	24.66	0.057	5.635	2.97	94.2	2349	13.24
8/20/2010 1:00	16115	1_60	2010	232	100	24.65	0.06	5.635	3.106	120.2	17	13.26
8/20/2010 2:00	16116	1_60	2010	232	200	24.66	0.064	5.635	2.492	91.9	113	13.27
8/20/2010 3:00	16117	1_60	2010	232	300	24.66	0.066	5.635	2.765	113.6	221	13.28
8/20/2010 4:00	16118	1_60	2010	232	400	24.67	0.065	5.635	1.911	128.2	335	13.29
8/20/2010 5:00	16119	1_60	2010	232	500	24.68	0.062	5.635	2.458	142.2	451	13.3
8/20/2010 6:00	16120	1_60	2010	232	600	24.69	7.018	5.634	3.379	72.75	550	13.31
8/20/2010 7:00	16121	1_60	2010	232	700	24.71	164.1	5.634	2.901	111	602	13.28
8/20/2010 8:00	16122	1_60	2010	232	800	24.72	375.1	5.634	3.959	297.1	737	13.21
8/20/2010 9:00	16123	1_60	2010	232	900	24.72	525.2	5.634	2.389	168.6	837	13.14
8/20/2010 10:00	16124	1_60	2010	232	1000	24.71	715.6	5.634	3.618	30.27	923	13.09
8/20/2010 11:00	16125	1_60	2010	232	1100	24.71	853	5.634	2.799	183.3	1056	13.05
8/20/2010 12:00	16126	1_60	2010	232	1200	24.69	935	5.633	2.867	275.9	1156	13.01
8/20/2010 13:00	16127	1_60	2010	232	1300	24.67	959	5.625	4.437	265.5	1258	12.98
8/20/2010 14:00	16128	1_60	2010	232	1400	24.65	917	5.607	4.437	281	1300	12.95
8/20/2010 15:00	16129	1_60	2010	232	1500	24.64	818	5.582	4.403	257.3	1406	12.93
8/20/2010 16:00	16130	1_60	2010	232	1600	24.64	658.9	5.554	5.905	258.9	1536	12.92
8/20/2010 17:00	16131	1_60	2010	232	1700	24.62	466.6	5.53	4.13	283.5	1643	12.92
8/20/2010 18:00	16132	1_60	2010	232	1800	24.62	255	5.51	4.062	269.7	1734	12.92
8/20/2010 19:00	16133	1_60	2010	232	1900	24.62	66	5.495	2.253	207.6	1805	12.95
8/20/2010 20:00	16134	1_60	2010	232	2000	24.63	0.819	5.479	2.833	105.4	1935	13.01
8/20/2010 21:00	16135	1_60	2010	232	2100	24.64	0.037	5.466	4.403	111.1	2047	13.07
8/20/2010 22:00	16136	1_60	2010	232	2200	24.66	0.048	5.457	3.516	129.4	2120	13.12
8/20/2010 23:00	16137	1_60	2010	232	2300	24.66	0.042	5.45	3.072	131.1	2248	13.14

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/21/2010 0:00	16138	1_60	2010	233	0	2.341663	124.768	13.64109	0.878	3.661	3.67	5.812	15.96	17.68	1.722063	0	62.82	61.3
8/21/2010 1:00	16139	1_60	2010	233	100	2.490673	132.3555	12.70705	2.442	12.42	7.072	12.1	15.87	17.4	1.527127	0	59.93	61.02
8/21/2010 2:00	16140	1_60	2010	233	200	1.850304	113.3388	29.08768	1.012	6.534	1.728	7.284	15.11	16.06	0.9422249	0	63.65	59.5
8/21/2010 3:00	16141	1_60	2010	233	300	1.82641	122.8112	10.90026	0.029	1.127	0.314	1.631	13.68	14.66	0.9826462	0	71.27	56.92
8/21/2010 4:00	16142	1_60	2010	233	400	2.487263	96.81895	13.92819	0.751	4.281	0.391	3.221	13.08	14.34	1.254351	0	74.94	55.81
8/21/2010 5:00	16143	1_60	2010	233	500	2.360851	97.97447	10.57302	1.268	5.509	0.507	5.735	12.38	12.96	0.5815209	0	77.95	54.5
8/21/2010 6:00	16144	1_60	2010	233	600	2.104311	112.1919	11.13766	2.255	8.64	2.259	7.441	12.66	13.59	0.9344026	0	77.71	54.83
8/21/2010 7:00	16145	1_60	2010	233	700	1.307101	333.7909	53.82045	0.551	6.371	0.102	5.515	13.72	13.88	0.1631516	0	75.37	57.23
8/21/2010 8:00	16146	1_60	2010	233	800	1.246942	175.5384	51.2243	-0.455	11.18	1.515	11.23	15.18	14.96	-0.2170858	0	70.94	59.83
8/21/2010 9:00	16147	1_60	2010	233	900	0.9153685	277.8029	67.91452	2.763	21.63	4.808	21.9	18.82	18.38	-0.4383288	0	48.44	68.25
8/21/2010 10:00	16148	1_60	2010	233	1000	0.7996559	316.2459	59.08913	2.134	28.87	0.006	27.81	21.33	20.81	-0.5189258	0	40.71	73
8/21/2010 11:00	16149	1_60	2010	233	1100	1.057788	267.5178	53.46683	4.637	31.52	4.732	30.66	24.09	23.44	-0.6493446	0	35.7	77.29
8/21/2010 12:00	16150	1_60	2010	233	1200	1.327185	312.6527	42.69307	-2.113	29.82	-4.349	29.46	26.7	26.13	-0.5726021	0	29.34	81.9
8/21/2010 13:00	16151	1_60	2010	233	1300	1.562734	88.12872	43.24018	6.245	33.34	5.945	35.22	29.46	28.55	-0.9105759	0	21.76	86.4
8/21/2010 14:00	16152	1_60	2010	233	1400	1.569699	152.9685	73.06051	2.957	38.3	5.423	41.47	30.76	30	-0.7613782	0	17.33	89
8/21/2010 15:00	16153	1_60	2010	233	1500	3.637301	168.3299	20.48724	3.209	24.29	20.9	28.34	30.97	30.23	-0.7420534	0	18.29	87.7
8/21/2010 16:00	16154	1_60	2010	233	1600	3.003813	170.6366	36.52115	3.742	19.83	16.7	24.44	30.69	30.26	-0.4291281	0	18.46	87.5
8/21/2010 17:00	16155	1_60	2010	233	1700	3.42643	182.0657	30.86781	5.433	25.43	20.86	28.47	31.14	30.64	-0.4967825	0	19.2	88.4
8/21/2010 18:00	16156	1_60	2010	233	1800	2.652243	229.2852	19.69251	-0.455	16.72	8.39	19.15	31.06	30.71	-0.345328	0	17.97	89.1
8/21/2010 19:00	16157	1_60	2010	233	1900	3.708887	201.7343	9.072126	0.995	10.38	23.02	14.39	28.42	29.5	1.087538	0	20.23	83.9
8/21/2010 20:00	16158	1_60	2010	233	2000	2.734389	193.999	52.88749	1.413	11.61	15.94	19.87	24.21	26.29	2.080743	0	28.66	76.07
8/21/2010 21:00	16159	1_60	2010	233	2100	2.643989	94.84351	10.61552	1.739	7.539	2.546	9.91	22.73	24.71	1.980768	0	30.44	73.27
8/21/2010 22:00	16160	1_60	2010	233	2200	2.769167	106.2874	12.23539	1.318	9.96	2.494	11.48	22.39	24.07	1.672616	0	29.64	72.69
8/21/2010 23:00	16161	1_60	2010	233	2300	1.885654	146.9994	23.9024	0.413	4.306	2.574	6.859	21.66	23.34	1.681188	0	31.12	71.3
8/22/2010 0:00	16162	1_60	2010	234	0	1.527864	116.4975	22.46726	0.081	1.21	0.545	2.751	19.05	21.16	2.11907	0	40.84	67.02
8/22/2010 1:00	16163	1_60	2010	234	100	1.562072	132.395	15.91136	0.158	2.489	0.728	3.565	17.61	19.59	1.978718	0	48.31	63.98
8/22/2010 2:00	16164	1_60	2010	234	200	1.299025	100.3489	32.00615	0.016	2.39	0.005	2.563	16.78	18.92	2.145029	0	52.41	62.68
8/22/2010 3:00	16165	1_60	2010	234	300	1.572579	130.164	26.68343	0.235	2.195	0.31	3.017	15.45	17.18	1.724709	0	59.34	59.9
8/22/2010 4:00	16166	1_60	2010	234	400	1.501229	124.5698	26.54555	0.082	3.323	0.896	4.343	15.09	17.1	2.007458	0	60.43	59.42
8/22/2010 5:00	16167	1_60	2010	234	500	1.367088	86.20493	16.53933	0.244	2.565	0.089	2.296	14.57	15.66	1.090343	0	62.03	58.42
8/22/2010 6:00	16168	1_60	2010	234	600	1.524614	137.6693	21.982	0.009	0.332	0.092	0.737	13.12	14.95	1.827618	0	70.14	55.89
8/22/2010 7:00	16169	1_60	2010	234	700	0.8789563	153.6431	39.93302	0.072	1.46	0.36	2.904	14.73	15.45	0.7170328	0	65.68	59.11
8/22/2010 8:00	16170	1_60	2010	234	800	0.6817246	296.8422	36.33564	-0.047	8.58	0.315	7.926	18.25	18.08	-0.1730363	0	50.15	66.56
8/22/2010 9:00	16171	1_60	2010	234	900	0.454229	300.834	43.70277	1.261	13.56	0.488	13.17	20.66	20.3	-0.3650521	0	41.93	71.46
8/22/2010 10:00	16172	1_60	2010	234	1000	1.291912	297.1125	28.75218	3.804	20.22	3.1	18.86	22.31	22.01	-0.2961716	0	40.02	73.57
8/22/2010 11:00	16173	1_60	2010	234	1100	1.241681	315.9906	52.75835	2.622	10.86	1.85	9.83	23	22.76	-0.2402396	0	40.57	74.06
8/22/2010 12:00	16174	1_60	2010	234	1200	2.1001	347.9524	28.98741	3.239	21.83	-1.87	21.39	25.84	25.44	-0.4070314	0	34.85	79.4
8/22/2010 13:00	16175	1_60	2010	234	1300	2.984383	228.3482	22.13807	1.246	20.22	13.51	21.5	26.41	26.27	-0.1407405	0	32.78	80
8/22/2010 14:00	16176	1_60	2010	234	1400	5.923119	257.7321	10.42814	4.103	30.82	23.84	30.94	24.28	24.34	0.0540386	0	45.94	76
8/22/2010 15:00	16177	1_60	2010	234	1500	4.791898	310.7183	10.6389	5.807	22.98	-3.017	25.96	23.04	22.93	-0.1086891	0	56.1	73.62
8/22/2010 16:00	16178	1_60	2010	234	1600	3.743673	314.5321	11.95399	5.805	26.22	-1.26	28.16	23.82	23.2	-0.6212699	0	56	75.11
8/22/2010 17:00	16179	1_60	2010	234	1700	1.535257	233.9584	25.1074	0.986	13.73	3.861	14.93	24.16	23.81	-0.3501291	0	54.25	75.91
8/22/2010 18:00	16180	1_60	2010	234	1800	1.671957	176.2721	14.31444	1.465	8.42	5.491	10.09	24.35	23.97	-0.3780227	0	54.52	75.97
8/22/2010 19:00	16181	1_60	2010	234	1900	2.821372	104.1735	36.18809	4.729	16.95	6.03	16.55	24.04	24.31	0.2695875	0	52.94	75.63
8/22/2010 20:00	16182	1_60	2010	234	2000	1.813981	167.0836	54.34615	-0.219	22.71	3.708	23.48	24.48	25	0.5227017	0	46.2	76.03
8/22/2010 21:00	16183	1_60	2010	234	2100	1.335459	58.7139	57.44729	-0.798	26.39	-0.333	25.41	25.06	25.55	0.4842634	0	41.02	77.14
8/22/2010 22:00	16184	1_60	2010	234	2200	2.176105	84.67942	20.74517	1.868	11.89	0.798	13.08	24.17	24.98	0.8069671	0	44.69	75.7
8/22/2010 23:00	16185	1_60	2010	234	2300	1.704412	117.9742	46.67875	0.487	5.952	1.246	6.438	22.4	23.18	0.7836738	0	52.29	72.55
8/23/2010 0:00	16186	1_60	2010	235	0	1.431967	51.93103	37.52819	-0.256	4.812	-0.404	6.54	22.06	22.78	0.7223457	0	55.04	71.71
8/23/2010 1:00	16187	1_60	2010	235	100	1.730383	302.1103	57.53627	0.053	9.31	0.017	10.19	21.01	21.72	0.7036311	0	59.93	69.89
8/23/2010 2:00	16188	1_60	2010	235	200	1.752197	127.7382	23.17377	-0.099	3.529	2.342	6.94	19.71	21.27	1.554238	0	65.21	67.67
8/23/2010 3:00	16189	1_60	2010	235	300	1.276695	91.95571	44.40495	0.384	2.438	1.411	5.293	19.3	20.63	1.324438	0	65.82	66.95
8/23/2010 4:00	16190	1_60	2010	235	400	0.8782811	107.0485	31.39477	0.141	3.487	0.494	2.879	18.9	20.36	1.457456	0	67.86	66.08
8/23/2010 5:00	16191	1_60	2010	235	500	1.326621	158.3098	37.57578	-0.035	1.428	0.022	1.409	18.14	20.09	1.952374	0	70.84	64.92
8/23/2010 6:00	16192	1_60	2010	235	600	1.913928	167.4483	45.93623	0.446	3.613	1.169	3.973	17.22	19.36	2.133494	0	76.4	63.21
8/23/2010 7:00	16193	1_60	2010	235	700	1.211789	118.5267	51.60478	0.203	2.071	0.234	2.116	18.89	19.26	0.3675104	0	72.59	66.03
8/23/2010 8:00	16194	1_60	2010	235	800	0.7278044	340.4029	39.51224	0.65	9.03	0.157	7.876	21.19	21	-0.1948655	0	60.12	71.83
8/23/2010 9:00	16195	1_60	2010	235	900	0.9610507	338.8372	45.99886	-0.864	23.27	-1.298	23.14	23.23	22.76	-0.4708251	0	52.29	75.83
8/23/2010 10:00	16196	1_60	2010	235	1000	1.344082	64.48301	45.19008	4.03	21.72	2.581	21.94	24.73	24.18	-0.5550996	0	47.74	78.18
8/23/2010 11:00	16197	1_60	2010	235	1100	1.362684	277.7995	50.00605	-0.566	29.62	1.148	30.71	26.28	25.66	-0.6189089	0	42.06	80.9
8/23/2010 12:00	16198	1_60	2010	235	1200	2.037381	257.4645	48.3469	-2.804	34.84	1.39	35.77	27.68	26.73	-0.9509935	0	35.19	83.1
8/23/2010 13:00	16199	1_60	2010	235	1300	2.482484	324.5491	32.46328	4.115	27.82	-1.401	27.98	28.03	27.43	-0.6005882	0	31.52	83.3
8/23/2010 14:00	16200	1_60	2010	235	1400	2.011217	39.25055	31.62712	6.147	23.72	-0.248	25.63	27.98	27.56	-0.4131939	0	31.39	83.1
8/23/2010 15:00	16201	1_60	2010	235	1500	1.880569	86.52553	35.5655	4.174	30.52	2.198	32.55	29.28	28.52	-0.754261	0	27.6	85.5
8/23/2010 16:00	16202	1_60	2010	235	1600	2.718	308.9634	50.59106	4.981	25.5	0.008	28.36	29.64	29.08	-0.5619356	0	24.01	86.1
8/23/2010 17:00	16203	1_60	2010	235	1700	5.301979	336.3328	20.6861	9.86	31.12	-8.04	34.94	30.23	29.64	-0.5922269	0	16.76	86.8
8/23/2010 18:00	16204	1_60	2010	235	1800	4.990305	334.312	18.20313	10.56	29.06	-3.983	31.62	29.39	29.17	-0.2153729	0	14.14	85.5
8/23/2010 19:00	16205	1_60	2010	235	1900	5.079112	319.8956	13.11473	6.745	20.89	-3.181	23.37	27.26	27.71	0.4479446	0	13.96	81.7
8/23/2010 20:00	16206	1_60	2010	235	2000	2.888072	300.1749	15.91623	0.865	3.9	1.992	4.82	22.3	24.46	2.161119	0	23	72.61
8/23/2010 21:00	16207	1_60	2010	235	2100	2.568812	225.5716	44.26564	0.358	2.996	6.011	8.36	19.34	23.28	3.945214	0	29.26	67.3
8/23/2010 22:00	16208	1_60	2010	235	2200	2.227512	134.3919	51.078	0.322	4.968	1.34	6.027	18.02	21.53	3.515286	0	31.42	64.85
8/23/2010 23:00	16209	1_60	2010	235	2300	1.41721	31.84728	45.17232	0.046	6.53	0.076	7.521	18.33	21.29	2.960475	0	29.92	65.39

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/21/2010 0:00	16138	1_60	2010	233	0	24.68	0.022	5.443	3.823	139.8	2359	13.17
8/21/2010 1:00	16139	1_60	2010	233	100	24.68	0.057	5.437	5.222	138.9	0	13.2
8/21/2010 2:00	16140	1_60	2010	233	200	24.68	0.06	5.431	3.857	109.8	135	13.21
8/21/2010 3:00	16141	1_60	2010	233	300	24.68	0.053	5.427	2.697	123.1	205	13.23
8/21/2010 4:00	16142	1_60	2010	233	400	24.69	0.045	5.424	4.062	90.7	328	13.25
8/21/2010 5:00	16143	1_60	2010	233	500	24.7	0.06	5.422	3.959	86.1	428	13.26
8/21/2010 6:00	16144	1_60	2010	233	600	24.71	7.794	5.421	3.857	112.6	547	13.28
8/21/2010 7:00	16145	1_60	2010	233	700	24.74	61.35	5.419	2.901	340.7	639	13.25
8/21/2010 8:00	16146	1_60	2010	233	800	24.74	231	5.419	2.56	45.16	715	13.23
8/21/2010 9:00	16147	1_60	2010	233	900	24.75	536.3	5.417	2.731	241.4	826	13.15
8/21/2010 10:00	16148	1_60	2010	233	1000	24.74	711.8	5.415	2.492	243	945	13.07
8/21/2010 11:00	16149	1_60	2010	233	1100	24.73	847	5.411	3.55	206.9	1006	13.01
8/21/2010 12:00	16150	1_60	2010	233	1200	24.72	923	5.403	3.038	33.64	1141	12.97
8/21/2010 13:00	16151	1_60	2010	233	1300	24.7	960	5.392	4.096	90.6	1241	12.93
8/21/2010 14:00	16152	1_60	2010	233	1400	24.68	880	5.376	6.178	137.2	1343	12.9
8/21/2010 15:00	16153	1_60	2010	233	1500	24.67	395.8	5.353	8.53	164.6	1411	12.89
8/21/2010 16:00	16154	1_60	2010	233	1600	24.66	325	5.326	7.305	157.4	1558	12.9
8/21/2010 17:00	16155	1_60	2010	233	1700	24.65	368.5	5.302	7.27	164.7	1608	12.91
8/21/2010 18:00	16156	1_60	2010	233	1800	24.64	264	5.282	5.632	213.7	1706	12.91
8/21/2010 19:00	16157	1_60	2010	233	1900	24.64	55.76	5.261	6.178	217.5	1804	12.92
8/21/2010 20:00	16158	1_60	2010	233	2000	24.65	0.748	5.242	5.495	195	1909	12.97
8/21/2010 21:00	16159	1_60	2010	233	2100	24.67	0.027	5.225	4.471	96.5	2057	13.03
8/21/2010 22:00	16160	1_60	2010	233	2200	24.68	0.045	5.21	4.745	95.1	2139	13.06
8/21/2010 23:00	16161	1_60	2010	233	2300	24.68	0.041	5.202	3.994	95.7	2203	13.09
8/22/2010 0:00	16162	1_60	2010	234	0	24.69	0.032	5.195	2.765	90.9	2346	13.11
8/22/2010 1:00	16163	1_60	2010	234	100	24.68	0.058	5.189	2.901	143.3	24	13.15
8/22/2010 2:00	16164	1_60	2010	234	200	24.69	0.025	5.183	2.662	92.1	148	13.17
8/22/2010 3:00	16165	1_60	2010	234	300	24.69	0.034	5.18	3.857	93.7	223	13.19
8/22/2010 4:00	16166	1_60	2010	234	400	24.69	0.055	5.176	3.925	143.4	336	13.21
8/22/2010 5:00	16167	1_60	2010	234	500	24.7	0.062	5.175	2.765	78.21	436	13.22
8/22/2010 6:00	16168	1_60	2010	234	600	24.7	4.946	5.172	2.867	120.8	537	13.24
8/22/2010 7:00	16169	1_60	2010	234	700	24.72	100.3	5.171	2.15	105.2	606	13.24
8/22/2010 8:00	16170	1_60	2010	234	800	24.73	230.6	5.17	1.911	237.7	745	13.17
8/22/2010 9:00	16171	1_60	2010	234	900	24.73	380.1	5.169	1.775	339.7	858	13.11
8/22/2010 10:00	16172	1_60	2010	234	1000	24.72	268.4	5.165	3.686	300.3	959	13.05
8/22/2010 11:00	16173	1_60	2010	234	1100	24.71	229.8	5.161	3.174	301.3	1000	13.04
8/22/2010 12:00	16174	1_60	2010	234	1200	24.7	480.1	5.158	6.144	236.5	1154	13.01
8/22/2010 13:00	16175	1_60	2010	234	1300	24.69	236.9	5.149	8.02	257.7	1258	12.99
8/22/2010 14:00	16176	1_60	2010	234	1400	24.69	162.5	5.141	9.08	267.8	1344	13
8/22/2010 15:00	16177	1_60	2010	234	1500	24.69	124	5.13	8.77	323.6	1447	13.02
8/22/2010 16:00	16178	1_60	2010	234	1600	24.68	445.3	5.119	6.281	318.8	1504	13.02
8/22/2010 17:00	16179	1_60	2010	234	1700	24.67	182.2	5.116	3.686	308	1604	13.01
8/22/2010 18:00	16180	1_60	2010	234	1800	24.65	144.1	5.113	3.413	117.5	1757	13.01
8/22/2010 19:00	16181	1_60	2010	234	1900	24.64	40.53	5.105	5.769	88	1858	13.01
8/22/2010 20:00	16182	1_60	2010	234	2000	24.65	0.245	5.098	5.086	92.1	1900	13.03
8/22/2010 21:00	16183	1_60	2010	234	2100	24.65	0.031	5.092	4.096	17.84	2048	13.03
8/22/2010 22:00	16184	1_60	2010	234	2200	24.66	0.031	5.087	4.403	91.5	2155	13.03
8/22/2010 23:00	16185	1_60	2010	234	2300	24.68	0.041	5.083	3.891	94.4	2201	13.05
8/23/2010 0:00	16186	1_60	2010	235	0	24.68	0.052	5.08	3.277	137.5	2352	13.06
8/23/2010 1:00	16187	1_60	2010	235	100	24.68	0.062	5.076	4.779	328.7	28	13.07
8/23/2010 2:00	16188	1_60	2010	235	200	24.69	0.051	5.072	3.823	177.9	152	13.09
8/23/2010 3:00	16189	1_60	2010	235	300	24.7	0.05	5.071	2.901	174.4	200	13.11
8/23/2010 4:00	16190	1_60	2010	235	400	24.7	0.062	5.069	2.56	161.4	300	13.12
8/23/2010 5:00	16191	1_60	2010	235	500	24.71	0.064	5.067	2.526	232.9	447	13.14
8/23/2010 6:00	16192	1_60	2010	235	600	24.74	3.07	5.065	3.959	266.2	507	13.15
8/23/2010 7:00	16193	1_60	2010	235	700	24.76	88.2	5.064	3.345	30.47	616	13.15
8/23/2010 8:00	16194	1_60	2010	235	800	24.77	195.3	5.064	1.946	14.27	747	13.11
8/23/2010 9:00	16195	1_60	2010	235	900	24.77	532.4	5.061	2.526	94.6	852	13.02
8/23/2010 10:00	16196	1_60	2010	235	1000	24.77	509.2	5.057	3.482	79.14	915	12.99
8/23/2010 11:00	16197	1_60	2010	235	1100	24.76	772.8	5.053	3.652	214.2	1056	12.96
8/23/2010 12:00	16198	1_60	2010	235	1200	24.75	835	5.043	4.881	210.9	1102	12.93
8/23/2010 13:00	16199	1_60	2010	235	1300	24.74	504.1	5.026	5.734	338.6	1257	12.92
8/23/2010 14:00	16200	1_60	2010	235	1400	24.73	366.1	5.005	4.301	14.87	1304	12.93
8/23/2010 15:00	16201	1_60	2010	235	1500	24.72	703.4	4.984	4.71	93.1	1414	12.92
8/23/2010 16:00	16202	1_60	2010	235	1600	24.71	494.8	4.961	6.383	313.6	1551	12.91
8/23/2010 17:00	16203	1_60	2010	235	1700	24.71	452.7	4.924	10.31	337	1606	12.91
8/23/2010 18:00	16204	1_60	2010	235	1800	24.71	244.8	4.888	9.05	341.2	1701	12.92
8/23/2010 19:00	16205	1_60	2010	235	1900	24.71	57.36	4.853	9.15	330.1	1808	12.94
8/23/2010 20:00	16206	1_60	2010	235	2000	24.73	0.558	4.834	5.257	286	1900	13
8/23/2010 21:00	16207	1_60	2010	235	2100	24.75	0.027	4.823	4.506	216.5	2050	13.06
8/23/2010 22:00	16208	1_60	2010	235	2200	24.76	0.023	4.815	3.925	15.25	2109	13.12
8/23/2010 23:00	16209	1_60	2010	235	2300	24.77	0.045	4.808	3.072	199.4	2201	13.15

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/24/2010 0:00	16210	1_60	2010	236	0	1.415563	169.5829	43.97728	0.137	1.801	1.163	4.12	17.47	20.86	3.390237	0	32.7	63.97
8/24/2010 1:00	16211	1_60	2010	236	100	2.468829	135.0519	9.292463	-0.027	1.085	2.917	6.244	15.33	19.42	4.094078	0	39.93	60.03
8/24/2010 2:00	16212	1_60	2010	236	200	2.454171	124.4894	11.38514	0.007	1.57	0.544	2.749	14.15	17.15	2.999212	0	43.7	57.87
8/24/2010 3:00	16213	1_60	2010	236	300	2.437635	113.9192	9.141663	0.029	1.041	0.049	1.355	13.03	14.95	1.924005	0	48.78	55.92
8/24/2010 4:00	16214	1_60	2010	236	400	1.973584	128.9819	11.12348	-0.003	0.201	-0.001	0.138	12.23	15.65	3.419663	0	51.35	54.48
8/24/2010 5:00	16215	1_60	2010	236	500	2.668018	122.8442	8.054898	0.168	2.226	2.36	5.431	12.17	15.13	2.957695	0	53.61	54.35
8/24/2010 6:00	16216	1_60	2010	236	600	2.314972	122.5862	35.28804	0.159	4.051	0.69	4.594	11.43	13.82	2.396217	0	58.19	52.97
8/24/2010 7:00	16217	1_60	2010	236	700	1.138659	5.273013	36.61031	0.105	2.092	-0.473	3.052	11.92	12.35	0.4364007	0	59.98	54.61
8/24/2010 8:00	16218	1_60	2010	236	800	0.6694675	79.16238	36.09823	4.686	15.89	4.345	15.52	16.7	16.35	-0.3545857	0	42.92	64.62
8/24/2010 9:00	16219	1_60	2010	236	900	0.4825014	327.065	48.76865	6.616	20.37	6.317	18.94	19.85	19.5	-0.3503442	0	30.96	71.18
8/24/2010 10:00	16220	1_60	2010	236	1000	0.9762382	347.0833	56.77893	4.321	29.07	1.861	26.01	22.62	22.12	-0.5049702	0	25.19	75.12
8/24/2010 11:00	16221	1_60	2010	236	1100	1.309892	297.7957	54.23598	7.423	31.47	7.159	31.82	25.31	24.61	-0.6982883	0	19.35	79.47
8/24/2010 12:00	16222	1_60	2010	236	1200	1.686208	282.6489	45.88437	4.271	31.11	5.756	32.99	27.3	26.48	-0.8239494	0	18.44	82.5
8/24/2010 13:00	16223	1_60	2010	236	1300	2.081441	0.897581	43.02873	6.879	36.67	-0.842	36.57	28.99	28.11	-0.8878084	0	15.51	85.6
8/24/2010 14:00	16224	1_60	2010	236	1400	3.614397	287.46	37.47531	6.791	35.92	10.87	39.95	30.45	29.45	-0.9962805	0	15.68	87.3
8/24/2010 15:00	16225	1_60	2010	236	1500	3.126977	240.2352	30.3665	0.107	34.84	11.62	37.67	31.07	30.03	-1.037839	0	16.01	88.6
8/24/2010 16:00	16226	1_60	2010	236	1600	2.140352	251.8828	55.19183	-1.253	30.92	0.905	32.53	31.22	30.42	-0.7935116	0	16.14	89
8/24/2010 17:00	16227	1_60	2010	236	1700	2.488453	308.4261	41.72592	5.321	26.27	3.208	29.67	31.32	30.77	-0.5556368	0	16.39	89.6
8/24/2010 18:00	16228	1_60	2010	236	1800	2.305983	13.67668	33.65065	3.321	18.44	-5.405	19.9	30.67	30.45	-0.2269816	0	15.93	88.6
8/24/2010 19:00	16229	1_60	2010	236	1900	3.977575	333.3639	15.36565	7.703	20.44	-2.037	20.78	28.6	28.96	0.3577804	0	16.42	84.2
8/24/2010 20:00	16230	1_60	2010	236	2000	2.25265	295.415	15.12008	0.914	6.45	1.024	6.041	25.05	26.37	1.319779	0	21.97	77.25
8/24/2010 21:00	16231	1_60	2010	236	2100	0.6827768	193.5847	48.44447	-0.104	5.332	-0.125	7.463	23.31	25.57	2.258888	0	23.67	74.89
8/24/2010 22:00	16232	1_60	2010	236	2200	1.350461	131.2032	44.18633	0	0.314	-0.002	0.64	20.19	23.61	3.421795	0	30.99	68.92
8/24/2010 23:00	16233	1_60	2010	236	2300	1.945955	134.8461	52.59298	0.459	6.023	0.529	6.597	18.92	21.88	2.951916	0	33.29	66.43
8/25/2010 0:00	16234	1_60	2010	237	0	1.864155	346.8606	27.47179	0.213	6.67	-0.375	5.04	18.76	20.62	1.862261	0	33.91	66.08
8/25/2010 1:00	16235	1_60	2010	237	100	0.8140216	72.23507	32.81895	-0.033	1.811	0.373	2.121	19.5	20.57	1.071122	0	32.18	66.83
8/25/2010 2:00	16236	1_60	2010	237	200	1.108024	139.1711	35.97443	0.058	1.197	0.321	2.152	18.77	20.66	1.888975	0	35.22	66.25
8/25/2010 3:00	16237	1_60	2010	237	300	1.362118	123.6025	11.09547	0.004	0.392	0.045	0.624	16.54	18.88	2.34577	0	51.12	62.1
8/25/2010 4:00	16238	1_60	2010	237	400	2.074214	122.435	14.72264	0.264	1.802	0.518	2.229	15.04	17.64	2.594811	0	64.08	59.4
8/25/2010 5:00	16239	1_60	2010	237	500	1.060776	111.9021	21.84011	-0.045	1.217	-0.014	2.029	14.45	16.15	1.699163	0	66.46	58.24
8/25/2010 6:00	16240	1_60	2010	237	600	1.096923	152.4283	31.22319	0.074	1.864	0.278	2.429	13.86	15.81	1.950687	0	68.05	57.41
8/25/2010 7:00	16241	1_60	2010	237	700	0.8085323	92.22767	34.28171	0.063	1.082	0.103	1.498	15.11	15.56	0.4462225	0	65.33	60.42
8/25/2010 8:00	16242	1_60	2010	237	800	1.332673	97.86821	22.88715	3.161	16.53	3.446	17.64	19.81	19.36	-0.4503801	0	47.96	69.46
8/25/2010 9:00	16243	1_60	2010	237	900	0.7717804	235.7497	64.98375	3.523	25.96	4.286	25.79	21.76	21.2	-0.5640318	0	39.2	73.57
8/25/2010 10:00	16244	1_60	2010	237	1000	1.066779	71.13154	50.09011	-0.214	29.16	-4.118	28.27	23.44	22.76	-0.6787334	0	35.35	76.47
8/25/2010 11:00	16245	1_60	2010	237	1100	1.562848	47.3433	52.77583	4.299	35.42	1.816	34.65	25.36	24.47	-0.890108	0	32.6	79.2
8/25/2010 12:00	16246	1_60	2010	237	1200	1.404894	316.0593	62.57326	2.807	33.35	1.896	33.7	26.82	26.02	-0.8028789	0	29.87	82
8/25/2010 13:00	16247	1_60	2010	237	1300	2.102265	297.3925	51.30384	1.488	37.47	1.516	38.96	28.46	27.56	-0.8947051	0	26.22	84.3
8/25/2010 14:00	16248	1_60	2010	237	1400	2.013635	330.3452	42.16323	0.942	35.16	-4.16	36.34	29.82	28.95	-0.8661806	0	17.87	86.8
8/25/2010 15:00	16249	1_60	2010	237	1500	3.094006	268.2119	30.2043	4.529	33.27	9.73	36.65	31	29.92	-1.077695	0	16.78	88.3
8/25/2010 16:00	16250	1_60	2010	237	1600	1.93851	270.3205	43.42254	1.878	31.86	2.91	34.01	31.02	30.29	-0.7366181	0	15.04	89.1
8/25/2010 17:00	16251	1_60	2010	237	1700	1.723896	218.7181	46.91327	2.165	21.51	7.916	24.14	31.46	30.74	-0.7246708	0	12.91	90
8/25/2010 18:00	16252	1_60	2010	237	1800	1.991387	237.4212	24.50501	1.37	14.32	6.837	16.15	30.7	30.32	-0.3846567	0	16.91	88.8
8/25/2010 19:00	16253	1_60	2010	237	1900	1.795799	224.759	7.638708	-0.033	1.674	1.448	3	26.95	28.53	1.58262	0	26.26	81.9
8/25/2010 20:00	16254	1_60	2010	237	2000	0.9413956	111.2069	52.66708	-0.189	7.024	0.795	7.967	23.63	25.79	2.15528	0	30	74.54
8/25/2010 21:00	16255	1_60	2010	237	2100	0.8575143	292.583	37.17002	-0.157	2.673	-0.028	1.575	22.04	24.99	2.948249	0	31.54	72.15
8/25/2010 22:00	16256	1_60	2010	237	2200	2.02635	144.1385	45.00636	0.119	2.329	2.347	5.823	20.26	23.54	3.281411	0	35.48	69.01
8/25/2010 23:00	16257	1_60	2010	237	2300	2.929042	129.985	41.3168	1.426	6.353	5.007	9.09	19.17	21.72	2.553047	0	38.32	66.9
8/26/2010 0:00	16258	1_60	2010	238	0	1.464293	78.46167	37.2858	0.081	5.502	0.126	5.468	19.49	21.7	2.214633	0	37.17	67.16
8/26/2010 1:00	16259	1_60	2010	238	100	1.51784	68.07046	28.53427	0.22	6.106	0.121	6.537	16.74	18.88	2.141562	0	46.89	62.76
8/26/2010 2:00	16260	1_60	2010	238	200	2.430949	130.4333	11.6423	0.724	6.655	3.628	7.318	16.57	18.88	2.305172	0	50.03	62.27
8/26/2010 3:00	16261	1_60	2010	238	300	2.341092	113.5128	9.85306	0.994	4.128	1.217	4.054	15.19	17.4	2.206119	0	56.58	59.64
8/26/2010 4:00	16262	1_60	2010	238	400	1.040408	192.0598	33.52194	0.234	4.397	1.302	5.551	13.43	15.17	1.738914	0	63.33	56.54
8/26/2010 5:00	16263	1_60	2010	238	500	1.454934	76.22	36.86014	0.036	2.906	-0.045	2.399	14.44	15.59	1.14648	0	59.84	58.29
8/26/2010 6:00	16264	1_60	2010	238	600	1.697268	110.1397	10.44657	-0.078	1.371	0.019	1.699	12.74	14.39	1.647655	0	66.12	55.36
8/26/2010 7:00	16265	1_60	2010	238	700	1.517344	115.7995	11.90463	0.42	2.536	0.172	1.087	14.37	15.53	1.156156	0	61.78	58.82
8/26/2010 8:00	16266	1_60	2010	238	800	0.914286	68.90143	28.4352	2.427	14.67	-0.163	13.98	19.23	18.9	-0.3361417	0	44.11	68.98
8/26/2010 9:00	16267	1_60	2010	238	900	0.9381517	350.2515	58.96635	2.603	25.18	-1.524	23.93	21.63	21.23	-0.400201	0	35.4	73.35
8/26/2010 10:00	16268	1_60	2010	238	1000	1.207806	288.0171	46.1202	0.22	28.08	0.123	26.68	23.74	23.18	-0.5571737	0	31.89	76.76
8/26/2010 11:00	16269	1_60	2010	238	1100	1.316688	10.60865	45.08644	1.058	31.64	-1.516	30.32	26.54	25.9	-0.6460662	0	26.19	81.7
8/26/2010 12:00	16270	1_60	2010	238	1200	1.679325	305.0825	51.11177	-3.771	35.96	-4.975	36.53	28.73	28.03	-0.6996539	0	21.49	85.2
8/26/2010 13:00	16271	1_60	2010	238	1300	2.217038	343.4597	46.48243	2.519	41.35	-1.411	39.04	30.4	29.56	-0.8347698	0	16.62	87.9
8/26/2010 14:00	16272	1_60	2010	238	1400	2.151269	326.6707	56.08445	2.183	38.53	0.49	39.06	31.39	30.62	-0.7700357	0	13.54	89.7
8/26/2010 15:00	16273	1_60	2010	238	1500	2.650874	276.2029	39.94754	5.355	31.71	7.517	34.02	32.01	31.1	-0.9116014	0	12.8	90.5
8/26/2010 16:00	16274	1_60	2010	238	1600	1.568846	287.1591	70.1067	0.53	26.8	2.26	28.52	32	31.3	-0.6930656	0	12.43	91.1
8/26/2010 17:00	16275	1_60	2010	238	1700	1.185421	297.4485	46.11036	-2.149	19.83	-3.496	21.2	32	31.52	-0.4804985	0	10.58	92
8/26/2010 18:00	16276	1_60	2010	238	1800	1.780502	114.6199	23.06108	3.628	12.51	4.873	14.99	31.68	31.35	-0.3271625	0	12.24	89.9
8/26/2010 19:00	16277	1_60	2010	238	1900	2.62624	194.2662	8.431425	0.071	2.131	13.46	12.76	28.06	29.64	1.575105	0	19.45	83.3
8/26/2010 20:00	16278	1_60	2010	238	2000	3.463127	188.2862	20.72925	1.826	6.192	23.61	12.17	24.85	26.97	2.125839	0	22.77	77.09
8/26/2010 21:00	16279	1_60	2010	238	2100	1.709991	13.44068	31.27411	2.015	12.69	0.535	13.13	24.8	26.3	1.502358	0	23.3	76.71
8/26/2010 22:00	16280	1_60	2010	238	2200	1.152507	102.0239	37.39417	-0.506	4.734	-0.833	5.444	23.64	25.32	1.678284	0	25.97	74.9
8/26/2010 23:00	16281	1_60	2010	238	2300	2.172265	87.32446	36.33777	1.055	6.063	0.403	4.675	20.67	22.31	1.644788	0	34.64	69.43

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/24/2010 0:00	16210	1_60	2010	236	0	24.78	0.031	4.804	3.482	128.1	2358	13.17
8/24/2010 1:00	16211	1_60	2010	236	100	24.78	0.02	4.799	3.652	149.7	39	13.2
8/24/2010 2:00	16212	1_60	2010	236	200	24.78	0.054	4.794	3.482	97.1	146	13.22
8/24/2010 3:00	16213	1_60	2010	236	300	24.79	0.054	4.789	3.789	101.7	248	13.24
8/24/2010 4:00	16214	1_60	2010	236	400	24.8	0.033	4.785	2.765	120.3	357	13.27
8/24/2010 5:00	16215	1_60	2010	236	500	24.81	0.04	4.782	3.755	131.5	410	13.28
8/24/2010 6:00	16216	1_60	2010	236	600	24.83	4.025	4.78	3.994	114.6	502	13.3
8/24/2010 7:00	16217	1_60	2010	236	700	24.84	121.8	4.779	2.355	42.8	606	13.29
8/24/2010 8:00	16218	1_60	2010	236	800	24.85	326.1	4.779	1.775	155.4	744	13.22
8/24/2010 9:00	16219	1_60	2010	236	900	24.84	531.5	4.778	1.911	18.64	858	13.12
8/24/2010 10:00	16220	1_60	2010	236	1000	24.84	708.6	4.774	2.389	44.95	943	13.04
8/24/2010 11:00	16221	1_60	2010	236	1100	24.83	843	BA	3.618	342.1	1018	12.94
8/24/2010 12:00	16222	1_60	2010	236	1200	24.81	921	BA	4.335	281.4	1123	12.91
8/24/2010 13:00	16223	1_60	2010	236	1300	24.79	945	7.993	5.598	344	1219	12.93
8/24/2010 14:00	16224	1_60	2010	236	1400	24.77	896	7.99	8.19	260.4	1346	12.91
8/24/2010 15:00	16225	1_60	2010	236	1500	24.75	793.2	7.97	7.373	232.2	1457	12.9
8/24/2010 16:00	16226	1_60	2010	236	1600	24.73	636.5	7.944	7.543	296.3	1507	12.89
8/24/2010 17:00	16227	1_60	2010	236	1700	24.72	444.7	7.919	5.222	335.8	1645	12.89
8/24/2010 18:00	16228	1_60	2010	236	1800	24.72	238.6	7.893	6.588	3.769	1750	12.89
8/24/2010 19:00	16229	1_60	2010	236	1900	24.73	53.9	7.863	7.305	352.3	1821	12.92
8/24/2010 20:00	16230	1_60	2010	236	2000	24.76	0.468	7.838	5.052	293.7	1908	12.97
8/24/2010 21:00	16231	1_60	2010	236	2100	24.79	0.029	7.822	2.116	290.9	2010	13.02
8/24/2010 22:00	16232	1_60	2010	236	2200	24.81	0.034	7.809	3.004	124	2136	13.07
8/24/2010 23:00	16233	1_60	2010	236	2300	24.82	0.022	7.795	4.233	88	2221	13.11
8/25/2010 0:00	16234	1_60	2010	237	0	24.83	0.053	7.785	4.198	301.6	2333	13.14
8/25/2010 1:00	16235	1_60	2010	237	100	24.84	0.053	7.774	2.321	223	3	13.15
8/25/2010 2:00	16236	1_60	2010	237	200	24.85	0.047	7.769	2.492	165.6	113	13.16
8/25/2010 3:00	16237	1_60	2010	237	300	24.86	0.029	7.764	2.765	117.8	259	13.17
8/25/2010 4:00	16238	1_60	2010	237	400	24.86	0.04	7.758	3.652	102.1	346	13.2
8/25/2010 5:00	16239	1_60	2010	237	500	24.87	0.061	7.755	2.15	121	451	13.22
8/25/2010 6:00	16240	1_60	2010	237	600	24.88	3.752	7.752	2.833	89.3	530	13.23
8/25/2010 7:00	16241	1_60	2010	237	700	24.89	119.9	7.749	2.423	94.6	628	13.23
8/25/2010 8:00	16242	1_60	2010	237	800	24.89	319	7.749	3.004	140.6	745	13.16
8/25/2010 9:00	16243	1_60	2010	237	900	24.89	523.1	7.746	2.082	128.1	859	13.08
8/25/2010 10:00	16244	1_60	2010	237	1000	24.88	700.1	7.744	3.072	74.27	956	13.02
8/25/2010 11:00	16245	1_60	2010	237	1100	24.86	834	7.739	4.13	3.506	1048	12.98
8/25/2010 12:00	16246	1_60	2010	237	1200	24.84	914	7.732	3.618	299.7	1131	12.95
8/25/2010 13:00	16247	1_60	2010	237	1300	24.82	939	7.721	5.803	320.2	1233	12.92
8/25/2010 14:00	16248	1_60	2010	237	1400	24.79	906	7.701	4.676	308.9	1312	12.9
8/25/2010 15:00	16249	1_60	2010	237	1500	24.77	795.6	7.672	7.714	307.2	1429	12.89
8/25/2010 16:00	16250	1_60	2010	237	1600	24.76	642.4	7.644	5.495	308.1	1532	12.89
8/25/2010 17:00	16251	1_60	2010	237	1700	24.74	454.4	7.617	4.164	243.8	1630	12.88
8/25/2010 18:00	16252	1_60	2010	237	1800	24.74	235.8	7.586	4.062	256.9	1732	12.89
8/25/2010 19:00	16253	1_60	2010	237	1900	24.74	49.66	7.565	2.594	219.1	1852	12.92
8/25/2010 20:00	16254	1_60	2010	237	2000	24.75	0.39	7.548	2.287	221.2	1903	12.98
8/25/2010 21:00	16255	1_60	2010	237	2100	24.77	0.017	7.531	2.219	306.2	2031	13.04
8/25/2010 22:00	16256	1_60	2010	237	2200	24.78	0.037	7.516	3.959	194.6	2136	13.08
8/25/2010 23:00	16257	1_60	2010	237	2300	24.79	0.039	7.501	5.598	101.9	2226	13.11
8/26/2010 0:00	16258	1_60	2010	238	0	24.8	0.055	7.491	3.14	48.04	2320	13.14
8/26/2010 1:00	16259	1_60	2010	238	100	24.8	0.027	7.483	2.799	102.8	44	13.16
8/26/2010 2:00	16260	1_60	2010	238	200	24.81	0.024	7.475	3.857	144.4	121	13.18
8/26/2010 3:00	16261	1_60	2010	238	300	24.81	0.056	7.469	3.823	93.3	210	13.2
8/26/2010 4:00	16262	1_60	2010	238	400	24.82	0.057	7.463	2.116	198.3	330	13.22
8/26/2010 5:00	16263	1_60	2010	238	500	24.83	0.047	7.46	2.731	64.39	440	13.24
8/26/2010 6:00	16264	1_60	2010	238	600	24.84	3.494	7.457	2.833	111.7	533	13.26
8/26/2010 7:00	16265	1_60	2010	238	700	24.84	119.2	7.455	2.628	121	601	13.25
8/26/2010 8:00	16266	1_60	2010	238	800	24.85	322.1	7.453	2.833	87.9	744	13.18
8/26/2010 9:00	16267	1_60	2010	238	900	24.84	527.3	7.45	2.867	343.8	823	13.09
8/26/2010 10:00	16268	1_60	2010	238	1000	24.83	704.4	7.448	3.174	317.6	934	13.02
8/26/2010 11:00	16269	1_60	2010	238	1100	24.81	840	7.444	3.755	39.25	1034	12.97
8/26/2010 12:00	16270	1_60	2010	238	1200	24.78	919	7.436	4.096	250.1	1151	12.94
8/26/2010 13:00	16271	1_60	2010	238	1300	24.75	941	7.424	5.53	51.88	1254	12.91
8/26/2010 14:00	16272	1_60	2010	238	1400	24.74	902	7.401	6.281	314.3	1312	12.89
8/26/2010 15:00	16273	1_60	2010	238	1500	24.71	797.4	7.375	6.281	290.2	1422	12.88
8/26/2010 16:00	16274	1_60	2010	238	1600	24.69	643.2	7.35	4.335	232.8	1533	12.87
8/26/2010 17:00	16275	1_60	2010	238	1700	24.67	449.4	7.32	3.584	254.3	1600	12.87
8/26/2010 18:00	16276	1_60	2010	238	1800	24.65	235.4	7.296	3.721	116.3	1712	12.88
8/26/2010 19:00	16277	1_60	2010	238	1900	24.65	48.29	7.276	4.676	190.7	1851	12.91
8/26/2010 20:00	16278	1_60	2010	238	2000	24.66	0.242	7.252	5.291	195.5	1918	12.97
8/26/2010 21:00	16279	1_60	2010	238	2100	24.67	0.018	7.234	3.516	79.02	2017	13.02
8/26/2010 22:00	16280	1_60	2010	238	2200	24.68	0.029	7.223	2.867	101	2153	13.05
8/26/2010 23:00	16281	1_60	2010	238	2300	24.68	0.034	7.212	4.881	90.6	2232	13.08

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/27/2010 0:00	16282	1_60	2010	239	0	4.601631	125.3145	10.03642	5.771	11.08	16.63	13.45	19.92	21.82	1.901188	0	37.54	68.07
8/27/2010 1:00	16283	1_60	2010	239	100	4.439226	122.8594	4.657399	9.8	11.24	20.59	10.29	20.14	21.29	1.153208	0	36.75	68.46
8/27/2010 2:00	16284	1_60	2010	239	200	3.939883	121.9273	10.78714	10.18	13.38	19.62	14.1	19.19	20.24	1.052168	0	39.32	66.84
8/27/2010 3:00	16285	1_60	2010	239	300	2.634834	115.5845	20.23395	4.524	17.29	8.92	20.35	17.26	18.24	0.9879824	0	44.86	63.56
8/27/2010 4:00	16286	1_60	2010	239	400	1.328351	130.9083	36.42585	0.348	2.657	0.226	2.471	14.02	15.43	1.41564	0	58.06	57.26
8/27/2010 5:00	16287	1_60	2010	239	500	1.601268	134.6344	25.06649	0.071	1.172	0.309	1.781	13.9	15.48	1.582561	0	56.65	57.71
8/27/2010 6:00	16288	1_60	2010	239	600	1.664442	119.1735	14.29077	0.072	1.976	0.24	2.244	12.9	16.06	3.161714	0	60.71	55.6
8/27/2010 7:00	16289	1_60	2010	239	700	1.463004	106.3162	21.04319	0.387	3.545	0.551	3.199	14.99	16.18	1.192793	0	55.03	59.85
8/27/2010 8:00	16290	1_60	2010	239	800	0.7665749	344.4433	49.00111	1.552	11.45	1.355	12.47	19.25	18.99	-0.2603104	0	41.34	68.82
8/27/2010 9:00	16291	1_60	2010	239	900	1.667066	289.8989	18.87398	0.149	20.85	-0.115	21.37	21.32	20.84	-0.4743403	0	36.96	71.9
8/27/2010 10:00	16292	1_60	2010	239	1000	1.389136	296.3721	37.58704	0.084	27.34	0.345	25.36	23.63	23.06	-0.5620995	0	30.82	76.1
8/27/2010 11:00	16293	1_60	2010	239	1100	1.048601	9.136679	49.6193	3.137	29.04	0.008	29.06	27	26.35	-0.6422951	0	22.43	83
8/27/2010 12:00	16294	1_60	2010	239	1200	2.458986	269.4599	40.28819	0.865	35.27	5.43	35.27	29.47	28.65	-0.8195083	0	17.17	86.1
8/27/2010 13:00	16295	1_60	2010	239	1300	4.184677	233.8685	26.58751	4.919	34.62	22.78	36.45	31.27	30.05	-1.215795	0	14.83	88.5
8/27/2010 14:00	16296	1_60	2010	239	1400	5.01821	211.3073	22.74475	2.282	38.71	29.49	41.33	32.02	30.59	-1.428216	0	13.42	89.6
8/27/2010 15:00	16297	1_60	2010	239	1500	5.232739	222.3961	29.60602	9.53	44.22	36.66	45.06	32.44	31.1	-1.344493	0	12.15	90.3
8/27/2010 16:00	16298	1_60	2010	239	1600	5.689836	223.2213	20.84673	1.502	39.06	30.91	42.07	31.94	30.76	-1.181148	0	12.76	89.4
8/27/2010 17:00	16299	1_60	2010	239	1700	4.920753	213.1271	25.55029	1.17	38.76	27.92	41.06	31.42	30.59	-0.8257591	0	12.79	88.9
8/27/2010 18:00	16300	1_60	2010	239	1800	4.913595	214.224	16.60448	-0.241	29.53	26.3	32.56	30.38	29.99	-0.3960769	0	13.11	87.1
8/27/2010 19:00	16301	1_60	2010	239	1900	4.608023	219.4965	11.34507	1.797	21.06	26.61	24.9	28.18	28.75	0.5681698	0	14.59	83.1
8/27/2010 20:00	16302	1_60	2010	239	2000	3.165486	217.9332	10.63492	-0.472	9.63	11.95	12.5	25.56	27.58	2.019848	0	18.7	78.4
8/27/2010 21:00	16303	1_60	2010	239	2100	3.120801	211.2449	12.50871	0.042	10.9	13.39	16.17	24.88	26.85	1.967451	0	21.53	77.19
8/27/2010 22:00	16304	1_60	2010	239	2200	3.412395	242.3648	11.49063	1.805	10.17	13.94	12.99	22.83	25.02	2.185563	0	26.95	73.48
8/27/2010 23:00	16305	1_60	2010	239	2300	2.117252	148.4963	30.5746	0.336	4.762	6.976	10.24	20.97	22.47	1.494791	0	31.78	70
8/28/2010 0:00	16306	1_60	2010	240	0	2.513799	123.7576	8.0214	0.475	2.628	2.459	4.73	19.21	21.24	2.033871	0	36.6	66.83
8/28/2010 1:00	16307	1_60	2010	240	100	2.34233	121.7512	28.42603	1.54	19.54	4.181	21	21.18	22.62	1.436342	0	33.69	70.29
8/28/2010 2:00	16308	1_60	2010	240	200	1.481948	144.0428	21.34804	-0.165	5.62	1.477	6.421	20.44	21.7	1.257599	0	35.95	69.15
8/28/2010 3:00	16309	1_60	2010	240	300	2.198216	123.0213	12.75036	0.82	4.851	2.44	5.75	20.6	21.81	1.212655	0	36.21	69.3
8/28/2010 4:00	16310	1_60	2010	240	400	2.450475	126.7902	13.06189	0.847	10.14	3.576	11.25	20.59	21.6	1.006571	0	37.09	69.26
8/28/2010 5:00	16311	1_60	2010	240	500	1.91652	124.9573	26.90903	1.571	17.61	3.81	17.51	20.26	21.28	1.022818	0	39.16	68.72
8/28/2010 6:00	16312	1_60	2010	240	600	5.680224	196.3006	16.36726	6.257	35.71	42.66	37.21	21.61	21.85	0.2378964	0	38.42	70.98
8/28/2010 7:00	16313	1_60	2010	240	700	3.172994	207.6004	34.72845	1.64	29.78	19.04	31.77	21.35	21.53	0.1782603	0	40.19	70.54
8/28/2010 8:00	16314	1_60	2010	240	800	5.088719	207.1864	20.2298	3.24	38.64	33.58	40.03	21.45	21.5	0.05316259	0	42.24	70.66
8/28/2010 9:00	16315	1_60	2010	240	900	4.85597	234.5477	35.61174	1.031	33.19	24.89	38.6	21.34	21.35	0.01658477	0	44.35	70.52
8/28/2010 10:00	16316	1_60	2010	240	1000	5.206762	236.0894	14.40839	1.441	33.08	26.04	35.34	22.1	21.83	-0.2753247	0	44.29	71.83
8/28/2010 11:00	16317	1_60	2010	240	1100	3.654379	230.6314	21.67514	1.801	29.29	18.88	30.94	22.98	22.46	-0.5201956	0	43.02	73.58
8/28/2010 12:00	16318	1_60	2010	240	1200	4.533411	180.8389	19.58698	3.521	24.61	26.87	28.05	21.45	21.65	0.2046016	0.24	54.22	70.99
8/28/2010 13:00	16319	1_60	2010	240	1300	3.958744	315.7637	25.65913	3.532	20.25	-1.62	20.81	17.95	18.06	0.1077901	0.05	80.4	64.45
8/28/2010 14:00	16320	1_60	2010	240	1400	2.624754	329.0436	29.52765	1.609	12.07	-1.027	11.88	17.38	17.32	-0.05525284	0.04	87.9	63.38
8/28/2010 15:00	16321	1_60	2010	240	1500	1.782381	357.8892	23.11034	1.104	15.46	-1.727	15.63	18.8	18.56	-0.2429605	0	80.1	66.29
8/28/2010 16:00	16322	1_60	2010	240	1600	1.935495	97.70881	33.45871	1.992	22.75	2.151	23.71	22.95	22.36	-0.5927163	0	54.26	73.75
8/28/2010 17:00	16323	1_60	2010	240	1700	5.915866	159.1725	16.6755	8.93	35.92	40.67	38.14	25.02	24.62	-0.3982229	0	39.8	76.86
8/28/2010 18:00	16324	1_60	2010	240	1800	5.991351	158.9074	12.18769	7.733	32.57	38.54	34.26	24.89	24.93	0.03733998	0	37.12	76.8
8/28/2010 19:00	16325	1_60	2010	240	1900	4.458716	150.5303	12.18619	5.434	21.52	24.11	23.48	23.48	24.4	0.9186329	0	38.53	74.58
8/28/2010 20:00	16326	1_60	2010	240	2000	4.890574	145.0726	6.037063	6.907	14.63	26.49	15.18	21.9	23.3	1.398475	0	43.24	71.76
8/28/2010 21:00	16327	1_60	2010	240	2100	4.551664	149.8711	18.23097	8.12	21.06	26.89	22.49	21.78	22.89	1.112553	0	41.42	71.55
8/28/2010 22:00	16328	1_60	2010	240	2200	2.126982	139.2071	35.3924	0.621	21.55	5.015	21.72	21.13	22.33	1.191666	0	41.02	70.48
8/28/2010 23:00	16329	1_60	2010	240	2300	2.349248	103.3356	43.03003	6.127	20.45	7.477	21.65	20.29	21.72	1.427769	0	40.48	68.87
8/29/2010 0:00	16330	1_60	2010	241	0	2.212826	85.13428	55.58121	6.508	40.97	6.707	38.98	21.43	22.22	0.7926443	0	35.21	70.64
8/29/2010 1:00	16331	1_60	2010	241	100	2.123596	160.1708	70.43303	1.882	42.78	6.892	42.54	21.39	22	0.6118921	0	35.3	70.79
8/29/2010 2:00	16332	1_60	2010	241	200	2.691885	159.5514	61.79626	4.954	38.61	14.39	41.49	20.57	21.24	0.6629865	0	40.67	69.21
8/29/2010 3:00	16333	1_60	2010	241	300	2.373564	203.389	72.67684	-1.565	38.7	4.681	39.48	20.21	20.86	0.6499503	0	43.29	68.57
8/29/2010 4:00	16334	1_60	2010	241	400	2.058376	110.7281	49.88264	-1.461	39.1	-1.262	39.88	19.39	20.29	0.8967	0	47.54	67.08
8/29/2010 5:00	16335	1_60	2010	241	500	2.682243	52.13797	50.871	-0.564	36.78	-0.044	38.53	19.5	20.14	0.640027	0	50.8	67.24
8/29/2010 6:00	16336	1_60	2010	241	600	4.219319	173.8581	33.97775	3.568	47.03	23.73	50.34	19.97	20.51	0.5425077	0	50.38	68.24
8/29/2010 7:00	16337	1_60	2010	241	700	5.649395	175.75	22.35182	6.506	47.87	39.9	50.66	20.23	20.44	0.2173248	0	51.57	68.67
8/29/2010 8:00	16338	1_60	2010	241	800	5.382829	187.6997	25.65321	6.292	49.93	38.05	53.83	21.4	21.15	-0.2477319	0	48.45	70.77
8/29/2010 9:00	16339	1_60	2010	241	900	5.171296	198.3014	28.2918	1.756	50	31.69	54.16	22.36	21.9	-0.4579734	0	42.23	72.5
8/29/2010 10:00	16340	1_60	2010	241	1000	6.672163	205.1176	23.93036	3.436	49.6	42.73	51.37	23.34	22.67	-0.6695575	0	37.79	74.01
8/29/2010 11:00	16341	1_60	2010	241	1100	7.690185	204.9075	19.88133	0.126	54.21	47.72	59.44	24.01	23.24	-0.7703659	0	33.79	75.12
8/29/2010 12:00	16342	1_60	2010	241	1200	7.183829	195.8862	22.8587	4.575	52.84	49.45	58.93	24.66	23.99	-0.6732991	0	31.77	76.28
8/29/2010 13:00	16343	1_60	2010	241	1300	8.110789	193.3193	21.46411	5.275	63.44	56.96	70.37	26.44	25.43	-1.012373	0	25.92	79.31
8/29/2010 14:00	16344	1_60	2010	241	1400	8.663315	205.8928	25.8906	2.729	65.19	53.87	71.05	27.23	26.12	-1.110329	0	24.26	80.7
8/29/2010 15:00	16345	1_60	2010	241	1500	8.377057	202.1496	23.46252	5.927	60.58	60.34	63.16	27.88	26.87	-1.005359	0	22.56	81.8
8/29/2010 16:00	16346	1_60	2010	241	1600	8.787258	210.8602	16.67777	3.714	57.62	58.78	62.35	27.45	26.91	-0.5364346	0	21.32	81.3
8/29/2010 17:00	16347	1_60	2010	241	1700	8.888772	195.1166	22.0432	6.039	57.24	62.27	63.39	26.24	26.2	-0.04396183	0.01	24.09	79.46
8/29/2010 18:00	16348	1_60	2010	241	1800	6.527129	145.5888	10.44588	9.98	34.17	37.82	37.43	24.24	24.52	0.28596	0	28.46	75.75
8/29/2010 19:00	16349	1_60	2010	241	1900	6.358152	154.8289	11.09263	6.036	30.01	38.81	33.97	24.02	24.39	0.3760701	0	28.14	75.39
8/29/2010 20:00	16350	1_60	2010	241	2000	7.118381	142.5613	8.197714	12.55	34.2	44.18	38.49	22.34	22.87	0.5301956	0	33.23	72.45
8/29/2010 21:00	16351	1_60	2010	241	2100	5.02668	145.5518	8.582379	8.52	18.82	29.83	21.28	20.94	21.8	0.8637001	0	35.81	69.91
8/29/2010 22:00	16352	1_60	2010	241	2200	5.100591	132.6214	7.946181	8.68	15.49	25.67	15.38	20.16	21.18	1.014923	0	39.09	68.51
8/29/2010 23:00	16353	1_60	2010	241	2300	5.405648	132.5985	22.87244	9.91	45.07	24.34	47.9	21.64	22.12	0.4859782	0	35.68	71.07

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year Smp	Day_of_Year Smp	HOUR Smp	BPinHg inHg Smp	SolarRad_Avg W/m² Avg	EvapLevel_Avg in Avg	GustSpeed m/s Smp	GustDir Deg Smp	GustTime Smp	BatteryV_Avg Volts Avg
8/27/2010 0:00	16282	1_60	2010	239	0	24.68	0.043	7.199	7.407	122	2341	13.11
8/27/2010 1:00	16283	1_60	2010	239	100	24.67	0.058	7.188	6.144	124.6	6	13.12
8/27/2010 2:00	16284	1_60	2010	239	200	24.66	0.058	7.177	6.554	116.9	130	13.13
8/27/2010 3:00	16285	1_60	2010	239	300	24.66	0.036	7.168	4.745	158.2	204	13.15
8/27/2010 4:00	16286	1_60	2010	239	400	24.67	0.034	7.162	3.038	61.24	300	13.19
8/27/2010 5:00	16287	1_60	2010	239	500	24.67	0.042	7.157	3.925	112.8	452	13.22
8/27/2010 6:00	16288	1_60	2010	239	600	24.67	3.403	7.153	2.697	132.1	500	13.25
8/27/2010 7:00	16289	1_60	2010	239	700	24.68	117.6	7.149	2.799	82.1	634	13.25
8/27/2010 8:00	16290	1_60	2010	239	800	24.68	299	7.148	1.911	335.4	721	13.17
8/27/2010 9:00	16291	1_60	2010	239	900	24.67	469.4	7.146	3.379	313	822	13.09
8/27/2010 10:00	16292	1_60	2010	239	1000	24.65	669.8	7.143	3.345	294.8	912	13.03
8/27/2010 11:00	16293	1_60	2010	239	1100	24.62	833	7.139	3.413	289.8	1053	12.98
8/27/2010 12:00	16294	1_60	2010	239	1200	24.6	799.6	7.132	8.09	252	1155	12.93
8/27/2010 13:00	16295	1_60	2010	239	1300	24.57	852	7.116	8.67	250.3	1241	12.91
8/27/2010 14:00	16296	1_60	2010	239	1400	24.56	892	7.09	11.64	211.9	1310	12.9
8/27/2010 15:00	16297	1_60	2010	239	1500	24.53	806	7.055	11.26	250.1	1440	12.88
8/27/2010 16:00	16298	1_60	2010	239	1600	24.51	649.6	7.019	11.64	197.9	1525	12.88
8/27/2010 17:00	16299	1_60	2010	239	1700	24.5	440.9	6.982	11.64	257.8	1602	12.89
8/27/2010 18:00	16300	1_60	2010	239	1800	24.48	239.7	6.947	8.67	183.4	1733	12.91
8/27/2010 19:00	16301	1_60	2010	239	1900	24.49	38.18	6.914	8.19	216.7	1800	12.93
8/27/2010 20:00	16302	1_60	2010	239	2000	24.5	0.183	6.892	6.349	215.7	1905	12.98
8/27/2010 21:00	16303	1_60	2010	239	2100	24.51	0.021	6.879	6.042	226.7	2045	13.02
8/27/2010 22:00	16304	1_60	2010	239	2200	24.51	0.033	6.867	5.939	239.7	2130	13.05
8/27/2010 23:00	16305	1_60	2010	239	2300	24.51	0.033	6.86	4.062	225.9	2213	13.08
8/28/2010 0:00	16306	1_60	2010	240	0	24.5	0.038	6.852	4.233	118.9	2304	13.11
8/28/2010 1:00	16307	1_60	2010	240	100	24.5	0.046	6.845	4.915	146.8	44	13.12
8/28/2010 2:00	16308	1_60	2010	240	200	24.49	0.04	6.84	3.004	146.8	146	13.11
8/28/2010 3:00	16309	1_60	2010	240	300	24.49	0.052	6.837	3.891	138	251	13.11
8/28/2010 4:00	16310	1_60	2010	240	400	24.49	0.051	6.832	4.71	119.1	306	13.11
8/28/2010 5:00	16311	1_60	2010	240	500	24.49	0.058	6.828	6.281	213.5	458	13.12
8/28/2010 6:00	16312	1_60	2010	240	600	24.49	1.707	6.822	10.75	209.4	516	13.11
8/28/2010 7:00	16313	1_60	2010	240	700	24.5	23.7	6.817	7.475	182.8	644	13.1
8/28/2010 8:00	16314	1_60	2010	240	800	24.51	48.67	6.813	10.31	196.4	716	13.09
8/28/2010 9:00	16315	1_60	2010	240	900	24.51	63.32	6.806	11.09	219.5	852	13.09
8/28/2010 10:00	16316	1_60	2010	240	1000	24.52	212.1	6.8	9.76	218.6	903	13.08
8/28/2010 11:00	16317	1_60	2010	240	1100	24.52	280.6	6.796	8.43	199.8	1028	13.06
8/28/2010 12:00	16318	1_60	2010	240	1200	24.51	180.2 AQ		11.91	221.8	1155	13.05
8/28/2010 13:00	16319	1_60	2010	240	1300	24.48	209 AQ		8.09	306.1	1245	13.09
8/28/2010 14:00	16320	1_60	2010	240	1400	24.46	91 AQ		5.871	333	1300	13.12
8/28/2010 15:00	16321	1_60	2010	240	1500	24.45	497.1 AQ		3.994	54.63	1444	13.13
8/28/2010 16:00	16322	1_60	2010	240	1600	24.42	606.7	6.982	5.871	146.1	1557	13.08
8/28/2010 17:00	16323	1_60	2010	240	1700	24.4	423.3 AQ		11.33	150.4	1654	13.03
8/28/2010 18:00	16324	1_60	2010	240	1800	24.38	201.5	6.987	9.93	134.2	1707	13.01
8/28/2010 19:00	16325	1_60	2010	240	1900	24.38	34.6	6.987	8.87	155.4	1800	13.02
8/28/2010 20:00	16326	1_60	2010	240	2000	24.4	0.202	6.985	7.066	150.4	1942	13.05
8/28/2010 21:00	16327	1_60	2010	240	2100	24.41	0.028	6.981	8.36	140.8	2012	13.08
8/28/2010 22:00	16328	1_60	2010	240	2200	24.42	0.044	6.973	5.769	96.8	2154	13.1
8/28/2010 23:00	16329	1_60	2010	240	2300	24.43	0.061	6.965	6.076	129.8	2234	13.12
8/29/2010 0:00	16330	1_60	2010	241	0	24.44	0.06	6.955	7.441	209.3	2349	13.13
8/29/2010 1:00	16331	1_60	2010	241	100	24.45	0.06	6.947	7.475	106.8	45	13.13
8/29/2010 2:00	16332	1_60	2010	241	200	24.45	0.06	6.943	7.612	201.9	158	13.13
8/29/2010 3:00	16333	1_60	2010	241	300	24.45	0.052	6.938	11.13	177.1	202	13.14
8/29/2010 4:00	16334	1_60	2010	241	400	24.46	0.037	6.934	6.963	112.8	322	13.15
8/29/2010 5:00	16335	1_60	2010	241	500	24.47	0.024	6.929	8.98	228.8	455	13.15
8/29/2010 6:00	16336	1_60	2010	241	600	24.49	2.501	6.924	11.26	165.2	520	13.15
8/29/2010 7:00	16337	1_60	2010	241	700	24.5	109	6.923	13.07	175	630	13.14
8/29/2010 8:00	16338	1_60	2010	241	800	24.51	330.4	6.917	14.4	222.1	742	13.1
8/29/2010 9:00	16339	1_60	2010	241	900	24.51	463.4	6.908	12.9	195.5	807	13.06
8/29/2010 10:00	16340	1_60	2010	241	1000	24.51	629.2	6.902	15.05	234.6	959	13.04
8/29/2010 11:00	16341	1_60	2010	241	1100	24.5	692.6	6.889	16.11	226.9	1000	13.02
8/29/2010 12:00	16342	1_60	2010	241	1200	24.48	560.3	6.871	13.69	215.4	1122	13.01
8/29/2010 13:00	16343	1_60	2010	241	1300	24.47	898	6.851	17.17	165.6	1223	12.99
8/29/2010 14:00	16344	1_60	2010	241	1400	24.45	922	6.821	18.64	154.6	1307	12.97
8/29/2010 15:00	16345	1_60	2010	241	1500	24.43	739.7	6.782	16.69	246.3	1438	12.96
8/29/2010 16:00	16346	1_60	2010	241	1600	24.41	434.6	6.749	17.31	205.3	1523	12.96
8/29/2010 17:00	16347	1_60	2010	241	1700	24.42	246.7	6.716	16.18	220.8	1652	12.96
8/29/2010 18:00	16348	1_60	2010	241	1800	24.4	114	6.695	11.67	155.8	1702	13
8/29/2010 19:00	16349	1_60	2010	241	1900	24.41	41.41	6.678	13.45	137.5	1822	13.02
8/29/2010 20:00	16350	1_60	2010	241	2000	24.42	0.117	6.663	15.16	149.8	1920	13.05
8/29/2010 21:00	16351	1_60	2010	241	2100	24.44	0.022	6.651	7.885	157	2044	13.08
8/29/2010 22:00	16352	1_60	2010	241	2200	24.45	0.033	6.638	8.91	124.4	2151	13.1
8/29/2010 23:00	16353	1_60	2010	241	2300	24.44	0.038	6.624	10.99	114.6	2228	13.11

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
8/30/2010 0:00	16354	1_60	2010	242	0	2.930537	115.9641	35.04013	3.941	31.77	8.14	34.83	21.42	22	0.5802343	0	37	70.76
8/30/2010 1:00	16355	1_60	2010	242	100	3.599041	221.1822	53.32701	1.493	50.21	17.58	51.89	21.2	21.69	0.4923997	0.01	39.73	70.42
8/30/2010 2:00	16356	1_60	2010	242	200	2.972235	171.157	33.98682	6.364	36.47	21.59	39.63	18.31	19.44	1.13248	0.02	57.18	65.5
8/30/2010 3:00	16357	1_60	2010	242	300	1.511471	55.54497	49.62318	-6.265	24.61	-7.377	24.53	18.05	19.11	1.05914	0	58.89	64.6
8/30/2010 4:00	16358	1_60	2010	242	400	3.33095	208.4449	53.51622	1.496	49.59	16.01	54.46	19.26	19.86	0.6009058	0	52.07	66.85
8/30/2010 5:00	16359	1_60	2010	242	500	4.559092	202.2637	31.21929	-0.599	63.88	23.22	65.36	19.54	20.02	0.4759772	0	47.99	67.43
8/30/2010 6:00	16360	1_60	2010	242	600	6.179853	191.6723	21.25409	4.077	54.35	43.76	59.88	18.72	19.19	0.4705888	0	48.89	65.94
8/30/2010 7:00	16361	1_60	2010	242	700	6.538187	201.8383	21.20351	0.642	52.33	39.93	56.63	18.67	18.9	0.2305017	0	49.8	65.93
8/30/2010 8:00	16362	1_60	2010	242	800	8.540385	212.5806	13.73519	4.651	53.76	59.26	57.4	19.29	19.14	-0.1481815	0	48.45	66.95
8/30/2010 9:00	16363	1_60	2010	242	900	7.664281	219.7269	16.61925	1.47	48.85	47.28	52.39	20	19.49	-0.5136716	0	43.54	68.12
8/30/2010 10:00	16364	1_60	2010	242	1000	7.201628	223.0479	16.35751	2.157	46.5	41.92	49.84	20.78	20.24	-0.535135	0	33.97	69.43
8/30/2010 11:00	16365	1_60	2010	242	1100	7.425234	200.702	21.64733	4.545	59.58	51.74	66.25	22.68	21.63	-1.04624	0	23.95	72.67
8/30/2010 12:00	16366	1_60	2010	242	1200	9.676488	208.6816	17.93384	1.481	60.87	63.51	65.02	23.73	22.57	-1.164998	0	19.03	74.5
8/30/2010 13:00	16367	1_60	2010	242	1300	8.805996	214.2986	21.73279	8.44	61.24	64.49	65.91	24.61	23.36	-1.243564	0	16.87	76.05
8/30/2010 14:00	16368	1_60	2010	242	1400	8.082773	212.0116	20.01626	5.025	56.51	55.17	61.36	25.48	24.26	-1.227405	0	15.34	77.53
8/30/2010 15:00	16369	1_60	2010	242	1500	8.503887	212.2693	19.08315	5.819	61.02	58.68	63.22	25.94	24.82	-1.125125	0	16.55	78.38
8/30/2010 16:00	16370	1_60	2010	242	1600	9.123135	215.4863	15.91271	1.122	59.19	55.59	64.3	25.99	25.18	-0.8145247	0	16.92	78.54
8/30/2010 17:00	16371	1_60	2010	242	1700	7.119914	215.2557	17.87881	0.123	52.12	40.47	56.83	25.89	25.33	-0.5550357	0	18.7	78.64
8/30/2010 18:00	16372	1_60	2010	242	1800	6.573636	223.3063	20.19916	4.307	45	40.44	49.44	25.5	25.35	-0.1505817	0	19.5	78.11
8/30/2010 19:00	16373	1_60	2010	242	1900	5.057328	209.8584	15.37506	2.672	37.08	30.86	41.03	24.45	24.81	0.3531758	0	19.99	76.31
8/30/2010 20:00	16374	1_60	2010	242	2000	2.493123	184.2394	44.72456	0.225	35.98	10.7	36.52	23.62	24.27	0.6489184	0	21.64	74.76
8/30/2010 21:00	16375	1_60	2010	242	2100	1.846067	153.485	39.53953	2.954	20.03	8.8	22.57	22.55	23.43	0.8786788	0	24.24	72.87
8/30/2010 22:00	16376	1_60	2010	242	2200	2.479575	204.7125	34.2883	0	22.09	11.13	25.97	22.09	22.93	0.8412452	0	26.14	72.06
8/30/2010 23:00	16377	1_60	2010	242	2300	3.856369	194.7083	19.83901	-2.803	30.87	17.71	33.99	22.02	22.53	0.5088171	0	26.53	71.84
8/31/2010 0:00	16378	1_60	2010	243	0	2.870401	188.3585	42.78454	-0.025	36.28	13.35	39.78	21.34	21.82	0.4850681	0	28.4	70.61
8/31/2010 1:00	16379	1_60	2010	243	100	5.35518	198.7225	27.33593	3.47	37.98	35.46	42.32	20.84	21.29	0.4546247	0	30.64	69.72
8/31/2010 2:00	16380	1_60	2010	243	200	5.585012	201.6355	20.16015	-0.756	51.03	33.54	56.17	20.58	20.9	0.318768	0	32.59	69.22
8/31/2010 3:00	16381	1_60	2010	243	300	6.304998	200.7632	18.11322	4.305	47.28	44.94	49.96	19.97	20.34	0.3697404	0	34.72	68.12
8/31/2010 4:00	16382	1_60	2010	243	400	7.108959	192.558	16.76465	4.805	51.27	53.91	57.96	19.8	20.1	0.294288	0	35.92	67.79
8/31/2010 5:00	16383	1_60	2010	243	500	6.414261	196.3578	18.04884	4.187	47.34	47.19	52.54	19.23	19.57	0.3348153	0	38.73	66.8
8/31/2010 6:00	16384	1_60	2010	243	600	6.090084	191.3688	14.34647	4.569	37.81	46.81	42.49	18.54	18.96	0.4192984	0	38.7	65.63
8/31/2010 7:00	16385	1_60	2010	243	700	3.484409	220.5698	23.16805	4.874	24.65	23.38	28.95	18.26	18.54	0.2772223	0	40.92	65.42
8/31/2010 8:00	16386	1_60	2010	243	800	4.666523	204.4422	14.23944	3.242	30.3	32.2	32.18	20.17	19.84	-0.3323139	0	36.86	68.75
8/31/2010 9:00	16387	1_60	2010	243	900	4.878521	214.3538	17.3079	1.801	30.9	27.51	32.69	21.68	20.87	-0.8123145	0	30.77	71.3
8/31/2010 10:00	16388	1_60	2010	243	1000	4.463122	219.4522	17.78532	2.635	33.48	25.97	35.46	23.09	22	-1.086764	0	23.87	73.85
8/31/2010 11:00	16389	1_60	2010	243	1100	4.024818	217.2082	26.11784	0.937	43.04	22.49	45.95	23.89	22.71	-1.179948	0	22.81	75.4
8/31/2010 12:00	16390	1_60	2010	243	1200	4.728389	204.0686	28.14565	3.907	40.92	29.56	44.54	25.02	23.61	-1.412976	0	20.77	77.05
8/31/2010 13:00	16391	1_60	2010	243	1300	4.842831	199.8273	23.59902	3.213	39.06	32.62	42.9	25.82	24.29	-1.524993	0	19.49	78.43
8/31/2010 14:00	16392	1_60	2010	243	1400	3.896907	241.2184	42.47552	-1.019	41.41	15.05	46.54	26.27	25.03	-1.235015	0	18.22	79.61
8/31/2010 15:00	16393	1_60	2010	243	1500	4.66561	222.4455	24.21179	2.29	41.79	26.48	45.88	27.06	25.82	-1.241803	0	17.04	80.7
8/31/2010 16:00	16394	1_60	2010	243	1600	4.392404	230.1311	20.48662	3.327	36.01	23.48	40.11	27.29	26.21	-1.080168	0	15.95	81.3
8/31/2010 17:00	16395	1_60	2010	243	1700	4.066716	216.7316	26.85334	2.096	34.06	23.63	38.28	26.98	26.23	-0.7482952	0	16.04	81
8/31/2010 18:00	16396	1_60	2010	243	1800	4.364559	198.626	19.36686	2.44	24.01	28.56	27.24	26.33	25.87	-0.4586198	0	16.39	79.72
8/31/2010 19:00	16397	1_60	2010	243	1900	3.726837	199.4112	13.22112	4.502	18.99	26.52	22.48	24.12	24.63	0.5129195	0	17.5	75.93
8/31/2010 20:00	16398	1_60	2010	243	2000	4.507207	189.9583	6.361002	1.505	13.56	31.36	14.53	22.17	23.44	1.269379	0	20.09	72.25
8/31/2010 21:00	16399	1_60	2010	243	2100	2.67875	230.7147	26.80911	0.353	9.23	12.84	16.5	19.12	20.72	1.60331	0	26.26	66.8
8/31/2010 22:00	16400	1_60	2010	243	2200	1.509403	252.2603	48.23814	0.404	21.37	1.893	20.11	19.03	20.36	1.323605	0	26.56	66.42
8/31/2010 23:00	16401	1_60	2010	243	2300	1.738938	355.2821	46.14032	0.321	2.622	0.574	3.808	16.16	19.06	2.893406	0	32.46	61.73
9/1/2010 0:00	16402	1_60	2010	244	0	1.728302	138.9647	30.45396	-0.152	3.281	0.596	3.97	14.04	17.82	3.783176	0	36.78	57.86
9/1/2010 1:00	16403	1_60	2010	244	100	2.513738	115.2216	14.52227	0.343	2.387	1.766	4.071	12.47	15.74	3.271071	0	41.05	55.14
9/1/2010 2:00	16404	1_60	2010	244	200	2.344451	128.555	13.70438	0.157	1.728	2.771	5.033	12.11	14.61	2.495033	0	42.3	54.43
9/1/2010 3:00	16405	1_60	2010	244	300	1.229109	95.34606	32.33152	0.159	1.769	-0.014	3.129	9.82	11.7	1.877456	0	54.42	50.18
9/1/2010 4:00	16406	1_60	2010	244	400	1.237533	124.4234	15.8694	-0.014	0.365	0.084	0.845	10.35	12.93	2.584877	0	51.84	50.82
9/1/2010 5:00	16407	1_60	2010	244	500	0.8182624	166.1989	32.64615	0.099	2.696	0.677	4.251	9.77	12.1	2.330503	0	53.88	50.03
9/1/2010 6:00	16408	1_60	2010	244	600	1.315952	140.8043	15.0271	0.001	0.053	0.075	0.901	7.866	10.07	2.198938	0	61.7	46.77
9/1/2010 7:00	16409	1_60	2010	244	700	1.507635	109.9507	15.63806	-0.109	1.304	-0.211	1.772	9.21	9.84	0.6296083	0	58.57	49.41
9/1/2010 8:00	16410	1_60	2010	244	800	0.6140839	272.2755	28.12064	0.598	9.39	2.278	10.96	14.91	14.63	-0.2794229	0	38.37	61.26
9/1/2010 9:00	16411	1_60	2010	244	900	0.8121152	288.3568	41.11462	-2.164	23.51	-1.987	25.78	17.66	17.22	-0.4417809	0	31.76	66.51
9/1/2010 10:00	16412	1_60	2010	244	1000	1.271603	301.0133	44.18821	-2.475	28.16	-2.632	27.78	19.96	19.42	-0.538142	0	28.51	69.82
9/1/2010 11:00	16413	1_60	2010	244	1100	1.802406	340.9387	36.29898	-0.205	33.65	-4.191	33.91	23.5	22.81	-0.6908701	0	21.48	76.05
9/1/2010 12:00	16414	1_60	2010	244	1200	4.517276	231.5191	23.67723	-1.925	40.58	18.02	43.64	26.73	25.52	-1.210862	0	13.81	80.4
9/1/2010 13:00	16415	1_60	2010	244	1300	4.181038	245.6091	34.50474	2.498	41.79	15.12	45.12	27.96	26.76	-1.204057	0	12.68	82.6
9/1/2010 14:00	16416	1_60	2010	244	1400	4.701307	284.6612	26.10928	5.591	41.08	7.834	44.37	28.71	27.54	-1.167416	0	12.26	83.7
9/1/2010 15:00	16417	1_60	2010	244	1500	4.820233	272.6951	25.52735	-0.048	34.24	7.834	39.1	29.14	28.01	-1.129449	0	12.08	84.5
9/1/2010 16:00	16418	1_60	2010	244	1600	4.438624	262.3064	27.03819	3.614	33.16	16.33	38.28	29.29	28.27	-1.027113	0	12.08	84.9
9/1/2010 17:00	16419	1_60	2010	244	1700	5.012629	274.6748	16.95325	1.7	32.03	11.12	36.62	29.1	28.37	-0.73463	0	11.4	84.8
9/1/2010 18:00	16420	1_60	2010	244	1800	4.892688	275.0718	12.14687	3.08	26.09	11.79	28.4	28.19	27.94	-0.2556907	0	11.37	83.3
9/1/2010 19:00	16421	1_60	2010	244	1900	3.650085	275.4998	12.22813	1.573	12.9	5.983	14.38	24.9	26.07	1.173399	0	12.63	77.5
9/1/2010 20:00	16422	1_60	2010	244	2000	2.421804	249.3906	10.66796	0.068	1.129	3.763	7.763	21.7	24.51	2.8023	0	15.49	71.57
9/1/2010 21:00	16423	1_60	2010	244	2100	1.242763	137.4367	23.30905	-0.011	0.395	0.231	1.345	19.63	22.36	2.732868	0	18.68	67.94
9/1/2010 22:00	16424	1_60	2010	244	2200	1.025926	135.9068	21.88977	-0.003	0.202	-0.007	0.241	16.72	20.44	3.727173	0	25.46	62.98
9/1/2010 23:00	16425	1_60	2010	244	2300	1.301355	150.7382	38.34387	-0.001	0.129	-0.041	0.993	14.64	18.97	4.335688	0	30.34	59.34

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
8/30/2010 0:00	16354	1_60	2010	242	0	24.45	0.038	6.615	10.62	144.6	2301	13.11
8/30/2010 1:00	16355	1_60	2010	242	100	24.47	0.049	6.609	10.82	223.9	59	13.11
8/30/2010 2:00	16356	1_60	2010	242	200	24.46	0.036	AQ	11.26	219.7	100	13.14
8/30/2010 3:00	16357	1_60	2010	242	300	24.47	0.027	6.607	3.721	68.43	240	13.16
8/30/2010 4:00	16358	1_60	2010	242	400	24.48	0.025	6.607	11.57	209.8	354	13.17
8/30/2010 5:00	16359	1_60	2010	242	500	24.5	0.014	6.609	11.54	199.1	432	13.16
8/30/2010 6:00	16360	1_60	2010	242	600	24.52	1.983	6.608	13.41	201.8	525	13.16
8/30/2010 7:00	16361	1_60	2010	242	700	24.53	105.8	6.607	13.86	232	658	13.16
8/30/2010 8:00	16362	1_60	2010	242	800	24.55	312.3	6.601	15.22	220	713	13.13
8/30/2010 9:00	16363	1_60	2010	242	900	24.55	477.7	6.591	14.47	232.8	841	13.1
8/30/2010 10:00	16364	1_60	2010	242	1000	24.56	500.7	6.581	14.4	201.8	958	13.08
8/30/2010 11:00	16365	1_60	2010	242	1100	24.55	885	6.563	14.78	158	1054	13.06
8/30/2010 12:00	16366	1_60	2010	242	1200	24.54	932	6.539	17.78	207.1	1152	13.03
8/30/2010 13:00	16367	1_60	2010	242	1300	24.53	949	6.508	16.52	178.4	1215	13.02
8/30/2010 14:00	16368	1_60	2010	242	1400	24.51	897	6.475	15.97	260.9	1354	13
8/30/2010 15:00	16369	1_60	2010	242	1500	24.51	740.5	6.441	16.42	166.4	1401	12.98
8/30/2010 16:00	16370	1_60	2010	242	1600	24.5	548.9	6.405	15.74	222.7	1546	12.98
8/30/2010 17:00	16371	1_60	2010	242	1700	24.5	358.7	6.363	15.84	253.4	1603	12.98
8/30/2010 18:00	16372	1_60	2010	242	1800	24.5	156.3	6.344	13.07	212.9	1714	12.99
8/30/2010 19:00	16373	1_60	2010	242	1900	24.51	26.59	6.327	10.92	247.3	1808	13.01
8/30/2010 20:00	16374	1_60	2010	242	2000	24.53	0.129	6.309	8.4	210.6	1949	13.04
8/30/2010 21:00	16375	1_60	2010	242	2100	24.55	0.032	6.298	5.803	162.7	2046	13.07
8/30/2010 22:00	16376	1_60	2010	242	2200	24.56	0.016	6.289	6.178	195.5	2147	13.09
8/30/2010 23:00	16377	1_60	2010	242	2300	24.57	0.018	6.28	8.84	202.8	2233	13.1
8/31/2010 0:00	16378	1_60	2010	243	0	24.58	0.025	6.269	7.953	198.3	2301	13.1
8/31/2010 1:00	16379	1_60	2010	243	100	24.6	0.047	6.262	13.76	239.4	50	13.11
8/31/2010 2:00	16380	1_60	2010	243	200	24.61	0.055	6.252	10.89	222.1	107	13.11
8/31/2010 3:00	16381	1_60	2010	243	300	24.62	0.057	6.246	12.05	211.9	240	13.12
8/31/2010 4:00	16382	1_60	2010	243	400	24.63	0.055	6.237	14.3	221	300	13.13
8/31/2010 5:00	16383	1_60	2010	243	500	24.65	0.043	6.229	13.38	185.9	406	13.13
8/31/2010 6:00	16384	1_60	2010	243	600	24.67	2.292	6.222	11.33	179.2	518	13.15
8/31/2010 7:00	16385	1_60	2010	243	700	24.69	108.4	6.216	9.76	201.9	600	13.15
8/31/2010 8:00	16386	1_60	2010	243	800	24.7	313.3	6.214	8.74	192.3	705	13.12
8/31/2010 9:00	16387	1_60	2010	243	900	24.7	518.6	6.209	7.68	240.5	821	13.08
8/31/2010 10:00	16388	1_60	2010	243	1000	24.7	703.8	6.197	9.45	225.6	952	13.04
8/31/2010 11:00	16389	1_60	2010	243	1100	24.69	872	6.183	12.05	165.6	1055	13.02
8/31/2010 12:00	16390	1_60	2010	243	1200	24.68	924	6.165	9.22	238.6	1128	12.99
8/31/2010 13:00	16391	1_60	2010	243	1300	24.66	935	6.144	9.49	156.9	1206	12.98
8/31/2010 14:00	16392	1_60	2010	243	1400	24.65	880	6.118	10.51	223	1318	12.96
8/31/2010 15:00	16393	1_60	2010	243	1500	24.64	776.7	6.091	10.44	234.5	1432	12.95
8/31/2010 16:00	16394	1_60	2010	243	1600	24.63	618.6	6.059	9.63	236.3	1505	12.94
8/31/2010 17:00	16395	1_60	2010	243	1700	24.63	381.8	6.028	9.45	213.8	1647	12.95
8/31/2010 18:00	16396	1_60	2010	243	1800	24.62	212	5.998	8.74	211.5	1716	12.96
8/31/2010 19:00	16397	1_60	2010	243	1900	24.63	33.87	5.971	7.1	195.8	1840	12.99
8/31/2010 20:00	16398	1_60	2010	243	2000	24.64	0.088	5.947	8.84	205.4	1902	13.03
8/31/2010 21:00	16399	1_60	2010	243	2100	24.65	0.026	5.933	4.745	197.6	2011	13.09
8/31/2010 22:00	16400	1_60	2010	243	2200	24.66	0.029	5.924	3.959	170.6	2111	13.13
8/31/2010 23:00	16401	1_60	2010	243	2300	24.67	0.014	5.916	3.038	111.3	2251	13.17
9/1/2010 0:00	16402	1_60	2010	244	0	24.67	0.044	5.908	3.106	82.3	2333	13.21
9/1/2010 1:00	16403	1_60	2010	244	100	24.67	0.023	5.9	4.403	137.6	58	13.25
9/1/2010 2:00	16404	1_60	2010	244	200	24.67	0.055	5.894	3.925	132.4	100	13.28
9/1/2010 3:00	16405	1_60	2010	244	300	24.68	0.03	5.889	2.321	98.9	257	13.3
9/1/2010 4:00	16406	1_60	2010	244	400	24.68	0.025	5.885	2.697	118.9	313	13.33
9/1/2010 5:00	16407	1_60	2010	244	500	24.69	0.053	5.882	1.638	248	421	13.35
9/1/2010 6:00	16408	1_60	2010	244	600	24.7	2.5	5.88	2.253	148.6	552	13.36
9/1/2010 7:00	16409	1_60	2010	244	700	24.71	107.5	5.879	2.56	107.1	612	13.32
9/1/2010 8:00	16410	1_60	2010	244	800	24.71	315	5.875	1.604	315.9	738	13.27
9/1/2010 9:00	16411	1_60	2010	244	900	24.7	523.2	5.869	2.423	232.4	822	13.16
9/1/2010 10:00	16412	1_60	2010	244	1000	24.69	703.2	5.864	3.277	309.5	915	13.09
9/1/2010 11:00	16413	1_60	2010	244	1100	24.67	840	5.863	6.588	270.8	1048	13.03
9/1/2010 12:00	16414	1_60	2010	244	1200	24.65	916	5.853	8.94	259.9	1122	12.99
9/1/2010 13:00	16415	1_60	2010	244	1300	24.62	934	5.834	9.18	238.5	1232	12.96
9/1/2010 14:00	16416	1_60	2010	244	1400	24.62	885	5.797	10.79	292.7	1354	12.94
9/1/2010 15:00	16417	1_60	2010	244	1500	24.6	777.7	5.764	9.73	258.7	1455	12.93
9/1/2010 16:00	16418	1_60	2010	244	1600	24.6	618	5.732	9.45	244.2	1520	12.92
9/1/2010 17:00	16419	1_60	2010	244	1700	24.59	424.3	5.694	10.21	281.2	1601	12.92
9/1/2010 18:00	16420	1_60	2010	244	1800	24.59	215	5.662	9.08	274.6	1709	12.94
9/1/2010 19:00	16421	1_60	2010	244	1900	24.6	32.6	5.639	6.588	288	1812	12.97
9/1/2010 20:00	16422	1_60	2010	244	2000	24.62	0.085	5.623	3.686	226.5	1945	13.03
9/1/2010 21:00	16423	1_60	2010	244	2100	24.63	0.02	5.609	2.799	220.4	2001	13.09
9/1/2010 22:00	16424	1_60	2010	244	2200	24.64	0.014	5.599	2.389	114.6	2159	13.14
9/1/2010 23:00	16425	1_60	2010	244	2300	24.64	0.032	5.59	2.697	144.4	2208	13.19

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/2/2010 0:00	16426	1_60	2010	245	0	1.886996	135.1081	19.8061	0.133	2.481	0.684	3.41	15.16	17.57	2.413671	0	28.51	59.74
9/2/2010 1:00	16427	1_60	2010	245	100	2.490307	133.4699	14.31202	0.737	4.554	4.954	7.261	13.87	16.22	2.350412	0	31.48	57.52
9/2/2010 2:00	16428	1_60	2010	245	200	1.423753	139.9763	20.31721	0.154	2.208	0.607	3.241	11.01	13.66	2.645229	0	42.49	52.79
9/2/2010 3:00	16429	1_60	2010	245	300	3.052023	128.718	13.69115	1.368	4.833	7.769	9.42	12	14.56	2.560061	0	39.16	53.91
9/2/2010 4:00	16430	1_60	2010	245	400	1.919933	125.5896	24.97523	0.171	2.483	1.772	4.583	10.17	11.79	1.620927	0	45.64	50.94
9/2/2010 5:00	16431	1_60	2010	245	500	1.267734	158.918	27.88286	0.013	0.275	0.191	1.849	9.7	12.07	2.376786	0	47.03	49.89
9/2/2010 6:00	16432	1_60	2010	245	600	2.475735	106.5365	11.76864	0.29	2.28	0.182	2.969	8.45	9.97	1.517989	0	50.69	47.82
9/2/2010 7:00	16433	1_60	2010	245	700	1.57053	95.74966	29.3812	0.533	3.391	1.239	4.301	10.88	11.92	1.044838	0	44.23	52.89
9/2/2010 8:00	16434	1_60	2010	245	800	0.9697812	82.22663	53.86881	1.538	9.34	2.446	10.48	15.49	15.12	-0.3711115	0	33.43	62.09
9/2/2010 9:00	16435	1_60	2010	245	900	1.041833	326.4955	65.06069	3.202	21.79	2.76	24.76	18.11	17.62	-0.4871863	0	27.88	66.83
9/2/2010 10:00	16436	1_60	2010	245	1000	1.579798	282.6853	38.29037	1.208	25.79	1.632	26.25	20.82	20.17	-0.6485144	0	24.04	70.99
9/2/2010 11:00	16437	1_60	2010	245	1100	2.913069	297.3545	20.62701	4.56	30.44	2.712	31.88	23.65	22.74	-0.9128951	0	20.57	75.17
9/2/2010 12:00	16438	1_60	2010	245	1200	2.135914	295.1471	45.64745	1.796	34.44	2.034	35.67	25.81	24.93	-0.8826735	0	16.62	79.55
9/2/2010 13:00	16439	1_60	2010	245	1300	2.487284	308.4012	46.16558	3.867	38.9	1.818	39.97	27.4	26.49	-0.902797	0	14.41	82.4
9/2/2010 14:00	16440	1_60	2010	245	1400	2.347085	352.3073	40.87417	9.5	35.85	4.497	37.42	28.39	27.48	-0.9091127	0	12.94	84.1
9/2/2010 15:00	16441	1_60	2010	245	1500	2.751024	252.6432	35.23873	-2.387	41.15	6.708	44.59	29.08	28.1	-0.9760748	0	12.45	85.1
9/2/2010 16:00	16442	1_60	2010	245	1600	3.395119	234.3943	27.02406	-0.141	28.36	13.02	30.92	30.05	29.02	-1.029975	0	12.09	86.4
9/2/2010 17:00	16443	1_60	2010	245	1700	3.514839	278.0019	15.97892	3.298	23.07	8.83	26.88	30.02	29.33	-0.6868053	0	11.48	86.7
9/2/2010 18:00	16444	1_60	2010	245	1800	3.280601	276.3752	11.43643	2.824	15.45	7.717	17.93	29.23	28.95	-0.2876243	0	12.28	85.6
9/2/2010 19:00	16445	1_60	2010	245	1900	3.00352	288.5357	11.17496	0.101	5.527	1.803	7.619	25.05	26.46	1.403196	0	18.38	78
9/2/2010 20:00	16446	1_60	2010	245	2000	1.653135	290.4913	42.17147	-0.227	7.945	0.332	8.42	23.42	24.9	1.474902	0	19.91	74.27
9/2/2010 21:00	16447	1_60	2010	245	2100	1.704129	206.0711	39.10204	-0.335	5.728	1.187	7.013	21.46	23.61	2.149775	0	21.33	71.49
9/2/2010 22:00	16448	1_60	2010	245	2200	1.459899	159.2318	46.08097	0.001	1.041	0.249	2.6	18.01	20.79	2.77924	0	27.2	64.69
9/2/2010 23:00	16449	1_60	2010	245	2300	2.272848	122.9366	12.22661	-0.023	0.477	0.343	2.014	14.55	18.89	4.342536	0	32.56	58.85
9/3/2010 0:00	16450	1_60	2010	246	0	2.581127	112.0965	8.099222	0.018	1.392	0.169	1.983	13.27	15.67	2.398784	0	35.63	56.22
9/3/2010 1:00	16451	1_60	2010	246	100	3.224357	122.1029	8.161258	0.449	4.37	3.091	6.702	12.69	15.99	3.30196	0	37.56	55.22
9/3/2010 2:00	16452	1_60	2010	246	200	3.191278	126.8035	6.293417	1.682	7.278	7.278	9.02	13.56	15.76	2.199876	0	33.97	56.97
9/3/2010 3:00	16453	1_60	2010	246	300	2.082495	142.4879	13.32686	0.289	4.572	3.773	7.236	12.17	15.02	2.850088	0	39.84	54.55
9/3/2010 4:00	16454	1_60	2010	246	400	1.483943	137.6531	36.1166	0.403	5.991	2.765	7.24	11.89	13.93	2.039365	0	41.9	53.74
9/3/2010 5:00	16455	1_60	2010	246	500	1.556358	144.2117	19.91545	0.316	3.893	2.548	6.846	11.04	13.34	2.304284	0	45.27	52.18
9/3/2010 6:00	16456	1_60	2010	246	600	2.206575	128.091	19.87594	0.635	9.09	6.395	13.16	11.28	12.89	1.613224	0	44.3	52.82
9/3/2010 7:00	16457	1_60	2010	246	700	0.8958559	342.4522	46.06726	-0.121	3.788	-0.231	4.852	9.78	10.84	1.063126	0	50.48	51.13
9/3/2010 8:00	16458	1_60	2010	246	800	0.3570324	64.54134	40.62026	2.86	13.12	3.854	13.33	14.8	14.48	-0.3235908	0	35.52	61.88
9/3/2010 9:00	16459	1_60	2010	246	900	1.540831	308.9243	24.44665	-1.765	19.81	-3.567	20.4	18.18	17.67	-0.5058107	0	29.12	66.37
9/3/2010 10:00	16460	1_60	2010	246	1000	1.425373	297.1771	37.38066	3.645	28.45	2.829	28.83	20.73	20.09	-0.6304606	0	24.37	70.89
9/3/2010 11:00	16461	1_60	2010	246	1100	0.9332303	355.5461	54.56076	6.936	35.47	3.064	32.4	24.22	23.54	-0.6766917	0	19.99	77.95
9/3/2010 12:00	16462	1_60	2010	246	1200	1.448389	354.8769	47.74316	11.18	36.13	8.22	37.5	27.01	26.24	-0.7739468	0	18.15	82.4
9/3/2010 13:00	16463	1_60	2010	246	1300	2.352349	307.8905	52.14871	5.171	33.91	3.177	35.28	28.94	27.94	-0.9990116	0	15.27	85.2
9/3/2010 14:00	16464	1_60	2010	246	1400	2.100958	305.983	67.63212	0.822	35.6	-0.185	37.86	29.78	28.9	-0.8812023	0	13.42	86.5
9/3/2010 15:00	16465	1_60	2010	246	1500	2.635027	348.0959	76.73215	2.801	36.54	-0.037	39.04	30.62	29.72	-0.9036199	0	13.25	87.9
9/3/2010 16:00	16466	1_60	2010	246	1600	2.339605	219.1293	60.92147	2.513	35.93	10.52	39.59	31.14	30.26	-0.8824605	0	12.78	88.8
9/3/2010 17:00	16467	1_60	2010	246	1700	1.900965	308.9944	53.69806	3.937	23.05	5.234	25.47	30.92	30.35	-0.562068	0	12.32	88.9
9/3/2010 18:00	16468	1_60	2010	246	1800	1.820868	328.9809	39.433	0.135	20.54	-0.43	21.03	30.32	30.12	-0.2009912	0	12.79	88.2
9/3/2010 19:00	16469	1_60	2010	246	1900	3.948927	250.5758	10.67651	1.917	11.3	16.84	15.14	27.17	28.18	1.010982	0	14.93	81.7
9/3/2010 20:00	16470	1_60	2010	246	2000	2.531058	265.8973	25.11488	0.556	4.203	2.648	7.725	24.27	26.51	2.240274	0	17.35	75.94
9/3/2010 21:00	16471	1_60	2010	246	2100	0.909785	283.4199	18.39112	-0.002	0.103	-0.06	0.869	23.8	25.94	2.135399	0	18.03	75.08
9/3/2010 22:00	16472	1_60	2010	246	2200	0.8150961	212.3956	53.18515	0.227	3.189	0.216	4.966	19.6	23.38	3.776259	0	25.23	68.07
9/3/2010 23:00	16473	1_60	2010	246	2300	2.264942	135.3317	8.53615	0.322	2.502	4.826	7.73	17.35	21.34	3.989325	0	30.18	63.82
9/4/2010 0:00	16474	1_60	2010	247	0	3.873074	131.6957	5.127031	2.053	5.876	15.07	10.1	17.33	19.67	2.345789	0	31.73	63.71
9/4/2010 1:00	16475	1_60	2010	247	100	3.985186	127.9286	4.273767	2.511	5.881	14.16	8.8	16.23	18.45	2.22273	0	34.19	61.59
9/4/2010 2:00	16476	1_60	2010	247	200	2.234709	123.5221	16.49955	0.679	3.203	4.676	6.868	14.26	16.53	2.271504	0	39.13	58.24
9/4/2010 3:00	16477	1_60	2010	247	300	1.41171	125.8811	46.46383	0.004	0.22	0.032	2.227	11.72	14.59	2.865493	0	47.65	53.7
9/4/2010 4:00	16478	1_60	2010	247	400	1.978447	127.3705	12.79558	0.107	2.147	0.754	3.659	11.44	13.96	2.521602	0	46.98	53.15
9/4/2010 5:00	16479	1_60	2010	247	500	1.187695	156.3573	26.90201	0.03	2.358	0.103	2.564	11.17	13.78	2.610615	0	48.43	52.26
9/4/2010 6:00	16480	1_60	2010	247	600	1.060745	222.1872	31.93625	-0.034	0.724	-0.011	3.882	9.82	11.99	2.169859	0	53.43	50.12
9/4/2010 7:00	16481	1_60	2010	247	700	1.138398	121.526	23.07235	0.019	0.636	0.102	1.346	11.45	12.63	1.180707	0	48.05	53.61
9/4/2010 8:00	16482	1_60	2010	247	800	0.5785879	19.6823	38.82441	3.062	12.1	1.701	12.39	16.23	15.96	-0.2763816	0	32.76	64.07
9/4/2010 9:00	16483	1_60	2010	247	900	1.042315	300.3414	40.00103	-0.783	24.01	-1.582	23.36	19.28	18.85	-0.4275909	0	27.67	68.92
9/4/2010 10:00	16484	1_60	2010	247	1000	1.195489	291.9522	58.70416	2.68	24.16	1.843	23.99	21.79	21.12	-0.666336	0	24.2	72.92
9/4/2010 11:00	16485	1_60	2010	247	1100	0.8480664	305.2998	54.0982	-0.539	30.15	-1.075	31.12	25.16	24.51	-0.6483485	0	19.63	79.73
9/4/2010 12:00	16486	1_60	2010	247	1200	1.403272	16.79217	51.62201	6.503	31.06	4.241	31.2	28.79	27.98	-0.8152068	0	16.34	85.7
9/4/2010 13:00	16487	1_60	2010	247	1300	2.246106	268.4816	55.3989	0.825	34.03	4.401	35.53	30.74	30.02	-0.7154075	0	12.75	88.4
9/4/2010 14:00	16488	1_60	2010	247	1400	2.940833	267.7683	50.24246	0.679	31.45	5.618	32.89	31.26	30.5	-0.7560714	0	12.33	88.9
9/4/2010 15:00	16489	1_60	2010	247	1500	4.188228	203.8763	24.17089	3.661	37.08	27.79	43.05	32.86	31.46	-1.400555	0	11.5	91.1
9/4/2010 16:00	16490	1_60	2010	247	1600	4.396733	262.694	27.9313	4.747	37.57	16.58	40.83	32.88	31.85	-1.024876	0	10.39	91.5
9/4/2010 17:00	16491	1_60	2010	247	1700	4.351477	259.6807	19.44762	2.681	29.97	12.77	34.37	32.5	31.77	-0.7251499	0	9.83	91
9/4/2010 18:00	16492	1_60	2010	247	1800	3.83555	279.3899	15.91612	1.497	21.7	7.978	24	31.4	31.25	-0.1520063	0	10.25	89.4
9/4/2010 19:00	16493	1_60	2010	247	1900	3.046391	270.8732	11.13801	0.959	6.797	5.589	10.38	26.84	28.48	1.645655	0	13.54	81.2
9/4/2010 20:00	16494	1_60	2010	247	2000	2.323274	200.2431	30.27728	0.032	12.27	9.36	14.55	23.45	25.36	1.90605	0	15.96	74.37
9/4/2010 21:00	16495	1_60	2010	247	2100	1.54885	70.2851	50.77262	0.743	9.29	-0.182	9.67	23.68	25.6	1.924719	0	15.68	74.58
9/4/2010 22:00	16496	1_60	2010	247	2200	1.252747	10.80091	42.83741	1.095	15.09	0.376	15.48	23.16	24.6	1.442006	0	16.52	73.94
9/4/2010 23:00	16497	1_60	2010	247	2300	1.955575	342.5747	32.18285	0.016	7.591	-1.535	7.428	22.2	23.86	1.661916	0	17.06	72.42

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/2/2010 0:00	16426	1_60	2010	245	0	24.65	0.02	5.581	3.345	105.4	2328	13.22
9/2/2010 1:00	16427	1_60	2010	245	100	24.66	0.026	5.574	4.369	105.6	39	13.24
9/2/2010 2:00	16428	1_60	2010	245	200	24.66	0.047	5.569	3.55	120.2	105	13.27
9/2/2010 3:00	16429	1_60	2010	245	300	24.67	0.03	5.565	5.086	123.2	224	13.3
9/2/2010 4:00	16430	1_60	2010	245	400	24.69	0.023	5.561	3.482	141.1	337	13.31
9/2/2010 5:00	16431	1_60	2010	245	500	24.71	0.042	5.558	2.935	130.2	449	13.34
9/2/2010 6:00	16432	1_60	2010	245	600	24.73	2.349	5.555	4.096	97.9	529	13.35
9/2/2010 7:00	16433	1_60	2010	245	700	24.75	106.1	5.551	3.823	128.8	620	13.35
9/2/2010 8:00	16434	1_60	2010	245	800	24.76	313.4	5.55	3.823	263.5	757	13.26
9/2/2010 9:00	16435	1_60	2010	245	900	24.77	521.3	5.548	3.413	277.7	800	13.16
9/2/2010 10:00	16436	1_60	2010	245	1000	24.77	702.5	5.545	4.233	271.7	951	13.08
9/2/2010 11:00	16437	1_60	2010	245	1100	24.76	839	5.538	5.291	316.1	1022	13.03
9/2/2010 12:00	16438	1_60	2010	245	1200	24.74	916	5.528	5.325	307.8	1127	12.99
9/2/2010 13:00	16439	1_60	2010	245	1300	24.72	934	5.511	5.632	324.2	1209	12.95
9/2/2010 14:00	16440	1_60	2010	245	1400	24.71	887	5.488	8.23	260.2	1358	12.93
9/2/2010 15:00	16441	1_60	2010	245	1500	24.7	777.9	5.464	6.656	264.8	1419	12.91
9/2/2010 16:00	16442	1_60	2010	245	1600	24.69	614.8	5.435	7.919	251.7	1512	12.91
9/2/2010 17:00	16443	1_60	2010	245	1700	24.69	416.5	5.406	6.11	270.5	1628	12.91
9/2/2010 18:00	16444	1_60	2010	245	1800	24.69	205.8	5.378	5.53	285.8	1735	12.92
9/2/2010 19:00	16445	1_60	2010	245	1900	24.71	28.33	5.359	5.325	290.6	1851	12.95
9/2/2010 20:00	16446	1_60	2010	245	2000	24.73	0.06	5.345	3.413	285.3	1926	13.01
9/2/2010 21:00	16447	1_60	2010	245	2100	24.75	0.022	5.332	4.164	119.6	2055	13.06
9/2/2010 22:00	16448	1_60	2010	245	2200	24.75	0.031	5.322	3.755	119.1	2101	13.11
9/2/2010 23:00	16449	1_60	2010	245	2300	24.76	0.024	5.313	3.413	104.9	2206	13.17
9/3/2010 0:00	16450	1_60	2010	246	0	24.76	0.024	5.306	4.13	95.2	2304	13.21
9/3/2010 1:00	16451	1_60	2010	246	100	24.77	0.034	5.3	4.676	132.1	31	13.25
9/3/2010 2:00	16452	1_60	2010	246	200	24.77	0.058	5.294	5.086	129.2	111	13.27
9/3/2010 3:00	16453	1_60	2010	246	300	24.79	0.049	5.29	3.994	133.2	202	13.28
9/3/2010 4:00	16454	1_60	2010	246	400	24.8	0.033	5.285	3.891	123.4	331	13.3
9/3/2010 5:00	16455	1_60	2010	246	500	24.8	0.027	5.282	3.891	138	457	13.31
9/3/2010 6:00	16456	1_60	2010	246	600	24.82	2.267	5.28	4.267	142.2	510	13.32
9/3/2010 7:00	16457	1_60	2010	246	700	24.84	102.1	5.278	2.389	85.3	629	13.32
9/3/2010 8:00	16458	1_60	2010	246	800	24.85	307.2	5.276	1.331	337.7	759	13.25
9/3/2010 9:00	16459	1_60	2010	246	900	24.85	512.9	5.274	3.379	320.2	853	13.15
9/3/2010 10:00	16460	1_60	2010	246	1000	24.85	690.9	5.27	3.447	308	909	13.08
9/3/2010 11:00	16461	1_60	2010	246	1100	24.83	826	5.267	3.311	61.35	1053	13.02
9/3/2010 12:00	16462	1_60	2010	246	1200	24.81	901	5.26	3.994	310.6	1135	12.97
9/3/2010 13:00	16463	1_60	2010	246	1300	24.78	918	5.245	4.779	289.5	1245	12.93
9/3/2010 14:00	16464	1_60	2010	246	1400	24.76	869	5.224	6.383	289	1358	12.91
9/3/2010 15:00	16465	1_60	2010	246	1500	24.74	758.6	5.191	5.632	304.4	1407	12.9
9/3/2010 16:00	16466	1_60	2010	246	1600	24.72	598.7	5.169	5.939	270.3	1509	12.89
9/3/2010 17:00	16467	1_60	2010	246	1700	24.7	390.5	5.136	4.779	307.2	1611	12.89
9/3/2010 18:00	16468	1_60	2010	246	1800	24.7	197.4	5.111	4.233	325.3	1730	12.9
9/3/2010 19:00	16469	1_60	2010	246	1900	24.7	26.9	5.091	6.929	239	1821	12.93
9/3/2010 20:00	16470	1_60	2010	246	2000	24.72	0.05	5.074	4.915	238.1	1901	12.99
9/3/2010 21:00	16471	1_60	2010	246	2100	24.73	0.026	5.064	1.57	326	2028	13.04
9/3/2010 22:00	16472	1_60	2010	246	2200	24.74	0.023	5.056	1.741	253.4	2145	13.08
9/3/2010 23:00	16473	1_60	2010	246	2300	24.75	0.021	5.048	4.198	144.5	2237	13.13
9/4/2010 0:00	16474	1_60	2010	247	0	24.75	0.028	5.04	5.598	121.1	2323	13.16
9/4/2010 1:00	16475	1_60	2010	247	100	24.75	0.053	5.034	5.632	129.5	30	13.19
9/4/2010 2:00	16476	1_60	2010	247	200	24.75	0.034	5.029	4.471	120.7	109	13.21
9/4/2010 3:00	16477	1_60	2010	247	300	24.76	0.042	5.025	2.287	161.5	257	13.25
9/4/2010 4:00	16478	1_60	2010	247	400	24.76	0.026	5.022	3.823	100.1	346	13.28
9/4/2010 5:00	16479	1_60	2010	247	500	24.76	0.025	5.018	2.56	137.6	401	13.3
9/4/2010 6:00	16480	1_60	2010	247	600	24.77	2.076	5.016	2.287	250	532	13.32
9/4/2010 7:00	16481	1_60	2010	247	700	24.78	99.7	5.013	2.253	109.3	635	13.32
9/4/2010 8:00	16482	1_60	2010	247	800	24.78	302	5.009	1.468	41.11	733	13.24
9/4/2010 9:00	16483	1_60	2010	247	900	24.77	506.1	5.006	2.901	0.117	855	13.14
9/4/2010 10:00	16484	1_60	2010	247	1000	24.76	683.5	5.002	3.925	308.3	940	13.06
9/4/2010 11:00	16485	1_60	2010	247	1100	24.73	820	4.999	2.867	172	1038	13
9/4/2010 12:00	16486	1_60	2010	247	1200	24.7	891	4.992	5.257	312	1200	12.95
9/4/2010 13:00	16487	1_60	2010	247	1300	24.67	690.3	4.978	5.495	265.4	1251	12.91
9/4/2010 14:00	16488	1_60	2010	247	1400	24.65	629	4.953	7.851	259.7	1356	12.9
9/4/2010 15:00	16489	1_60	2010	247	1500	24.62	824	4.927	10.17	206.8	1435	12.89
9/4/2010 16:00	16490	1_60	2010	247	1600	24.6	632.3	4.889	12.63	243.1	1532	12.88
9/4/2010 17:00	16491	1_60	2010	247	1700	24.59	416.4	4.85	9.52	248.8	1624	12.88
9/4/2010 18:00	16492	1_60	2010	247	1800	24.58	196	4.82	9.28	270.6	1723	12.89
9/4/2010 19:00	16493	1_60	2010	247	1900	24.58	24.25	4.8	5.495	282.7	1800	12.93
9/4/2010 20:00	16494	1_60	2010	247	2000	24.59	0.043	4.783	4.403	254.9	1902	12.99
9/4/2010 21:00	16495	1_60	2010	247	2100	24.59	0.033	4.769	3.618	81.7	2014	13.05
9/4/2010 22:00	16496	1_60	2010	247	2200	24.59	0.02	4.76	2.867	1.067	2138	13.08
9/4/2010 23:00	16497	1_60	2010	247	2300	24.58	0.036	4.753	3.925	315.6	2216	13.09

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/5/2010 0:00	16498	1_60	2010	248	0	2.161088	86.97537	24.8671	0.931	8.58	0.962	6.607	19.57	21.66	2.092365	0	21.66	67.48
9/5/2010 1:00	16499	1_60	2010	248	100	3.020417	111.8656	13.69675	0.68	4.859	3.213	7.958	16.62	19.76	3.141239	0	27.27	62.42
9/5/2010 2:00	16500	1_60	2010	248	200	2.288996	102.5498	32.65391	0.584	9.33	0.67	8.59	16.03	17.48	1.449932	0	29.22	61.23
9/5/2010 3:00	16501	1_60	2010	248	300	2.821884	116.961	12.36895	0.374	4.761	1.168	5.805	15.13	17.46	2.328155	0	30.73	59.48
9/5/2010 4:00	16502	1_60	2010	248	400	1.489404	116.9079	49.37297	0.142	2.362	0.669	3.344	14.08	16.45	2.362112	0	32.75	57.96
9/5/2010 5:00	16503	1_60	2010	248	500	1.475922	116.3545	38.20997	0.18	2.881	1.707	5.863	12.77	15.35	2.581024	0	36.44	55.32
9/5/2010 6:00	16504	1_60	2010	248	600	1.372323	126.5703	28.51038	-0.024	5.224	0.411	6.033	12.61	15.53	2.918984	0	36.91	55.11
9/5/2010 7:00	16505	1_60	2010	248	700	0.7869151	330.9641	62.30548	0.09	3.1	0.295	3.979	12.35	13.8	1.445667	0	39.84	55.45
9/5/2010 8:00	16506	1_60	2010	248	800	0.7056761	346.3664	56.20476	2.673	10.24	1.892	9.91	17.35	17.11	-0.2424951	0	29.12	65.39
9/5/2010 9:00	16507	1_60	2010	248	900	0.6206844	18.75953	51.72998	3.848	17.66	2.843	17.08	21.23	20.87	-0.351952	0	22.24	73.15
9/5/2010 10:00	16508	1_60	2010	248	1000	1.498335	33.76074	32.80531	5.808	26.1	2.141	25.85	25.77	25.25	-0.5197341	0	17.11	80.1
9/5/2010 11:00	16509	1_60	2010	248	1100	5.25847	242.2905	27.21951	2.686	43.08	21.86	47.88	29.84	28.81	-1.028885	0	13.44	85.8
9/5/2010 12:00	16510	1_60	2010	248	1200	6.622649	220.8527	24.644	5.563	47.46	42.31	53.4	30.85	29.63	-1.218689	0	12.59	87.5
9/5/2010 13:00	16511	1_60	2010	248	1300	6.831487	248.584	19.06455	3.46	50.79	28.73	54.54	30.87	29.83	-1.038736	0	12.13	87.4
9/5/2010 14:00	16512	1_60	2010	248	1400	7.905362	230.7207	22.38233	7.269	56.74	47.41	59.95	31.45	30.16	-1.288861	0	12.21	88.2
9/5/2010 15:00	16513	1_60	2010	248	1500	8.577873	212.4344	16.27052	2.464	55.77	54.03	61.55	31.3	30.3	-0.9996824	0	12.17	88
9/5/2010 16:00	16514	1_60	2010	248	1600	8.747375	213.1084	17.72035	2.186	54.17	55.03	59	31.56	30.6	-0.9638458	0	12	88.5
9/5/2010 17:00	16515	1_60	2010	248	1700	7.738353	230.97	17.4358	1.371	46.93	42.57	51.69	31.34	30.7	-0.6366608	0	11.89	88.5
9/5/2010 18:00	16516	1_60	2010	248	1800	6.800271	220.7833	16.97712	3.171	45.49	40.94	48.89	29.95	29.88	-0.06458687	0	13.24	86.1
9/5/2010 19:00	16517	1_60	2010	248	1900	5.238481	227.0873	15.02273	2.212	35.88	31.31	40.02	28.84	29.22	0.3846603	0	14.15	84.1
9/5/2010 20:00	16518	1_60	2010	248	2000	3.717678	254.8776	16.50773	-0.624	24.99	11.47	30.27	27.34	28.22	0.8762658	0	15.44	81.6
9/5/2010 21:00	16519	1_60	2010	248	2100	3.248913	267.0874	15.25564	0.622	17.38	6.35	20.1	26.29	27.45	1.165704	0	15.59	79.58
9/5/2010 22:00	16520	1_60	2010	248	2200	3.660591	260.844	10.72097	0.486	10.61	9.52	14.42	24.63	26.55	1.919338	0	17.4	76.75
9/5/2010 23:00	16521	1_60	2010	248	2300	2.454237	267.3518	16.00733	0.371	10.27	3.236	11.3	22.94	25.24	2.299202	0	18.94	73.74
9/6/2010 0:00	16522	1_60	2010	249	0	4.098968	268.3181	15.86745	-0.146	26.91	8.22	30.33	24.12	25.54	1.416708	0	15.37	75.61
9/6/2010 1:00	16523	1_60	2010	249	100	6.437954	264.6175	11.6871	4.207	37.51	23.01	41.62	24.93	25.64	0.7061821	0	13.42	77.16
9/6/2010 2:00	16524	1_60	2010	249	200	4.314868	266.9078	14.9606	1.063	22.13	10.82	23.44	23.12	24.31	1.182019	0	15	74.03
9/6/2010 3:00	16525	1_60	2010	249	300	6.508262	303.7679	7.810199	6.552	29.15	2.945	30.52	20	20.6	0.6088233	0	18.3	68.27
9/6/2010 4:00	16526	1_60	2010	249	400	4.090621	307.1749	11.03656	2.826	18.4	0.529	20.2	18.17	19.28	1.110872	0	20.52	65.02
9/6/2010 5:00	16527	1_60	2010	249	500	3.251249	283.156	17.69079	2.449	15.25	7.398	16.13	17.05	18.22	1.16489	0	22.07	63.08
9/6/2010 6:00	16528	1_60	2010	249	600	3.942673	282.139	21.5992	2.647	23.93	11.93	27.96	16.98	17.75	0.7625185	0	21.54	62.8
9/6/2010 7:00	16529	1_60	2010	249	700	1.711695	303.7436	54.87824	-1.355	18.04	1.249	20.17	17.31	17.74	0.4326435	0	18.94	63.92
9/6/2010 8:00	16530	1_60	2010	249	800	1.457744	63.76536	40.09186	1.666	16.66	-0.346	19.82	19.05	18.75	-0.2942781	0	14.73	68.5
9/6/2010 9:00	16531	1_60	2010	249	900	3.010319	35.7697	22.18034	10.1	26.49	-0.278	29.7	20.08	19.48	-0.6039429	0	10	69.35
9/6/2010 10:00	16532	1_60	2010	249	1000	2.826572	7.671247	38.53826	8.81	35.56	-2.159	37.34	20.85	20.15	-0.6996012	0	8.23	70.74
9/6/2010 11:00	16533	1_60	2010	249	1100	2.296343	298.767	56.52781	2.707	34.42	0.518	36.26	21.71	20.89	-0.8261503	0	7.891	72.33
9/6/2010 12:00	16534	1_60	2010	249	1200	2.039345	252.3553	55.76183	3.27	39.32	6.494	41.93	23.02	22.1	-0.914642	0	7.932	74.85
9/6/2010 13:00	16535	1_60	2010	249	1300	1.861343	6.238916	43.12297	3.718	34.68	-1.951	37	24.14	23.3	-0.8344756	0	7.739	76.94
9/6/2010 14:00	16536	1_60	2010	249	1400	2.522559	341.5716	40.31337	7.319	38.4	0.833	38.45	25.56	24.63	-0.9310115	0	7.578	79.13
9/6/2010 15:00	16537	1_60	2010	249	1500	2.272621	282.719	62.23074	2.557	36.82	2.998	36.91	26.12	25.22	-0.9035103	0	6.713	80.1
9/6/2010 16:00	16538	1_60	2010	249	1600	4.215254	263.067	18.08135	2.432	30.61	12.6	35.04	26.59	25.48	-1.114646	0	5.691	80.1
9/6/2010 17:00	16539	1_60	2010	249	1700	3.088174	266.4867	31.73172	2.939	23.73	8.83	26.55	26.14	25.45	-0.6938906	0	4.599	80.1
9/6/2010 18:00	16540	1_60	2010	249	1800	3.492315	255.975	13.06778	1.074	16.84	9.72	19.1	25.21	24.93	-0.2803492	0	4.895	78.39
9/6/2010 19:00	16541	1_60	2010	249	1900	2.625356	249.5156	36.6702	1.115	7.727	5.664	8.9	20.16	21.75	1.592143	0	7.962	69.1
9/6/2010 20:00	16542	1_60	2010	249	2000	1.399439	175.7684	44.84484	-1.425	8.45	-1.887	10.12	19.58	21.59	2.011383	0	6.741	67.74
9/6/2010 21:00	16543	1_60	2010	249	2100	1.757294	204.0231	32.57701	-0.225	6.136	1.688	8.03	15.75	19.8	4.051592	0	10.01	61.59
9/6/2010 22:00	16544	1_60	2010	249	2200	2.777771	136.4954	13.00913	0.3	3.219	4.201	7.663	12.83	17.32	4.495461	0	13.02	55.74
9/6/2010 23:00	16545	1_60	2010	249	2300	3.615646	127.1041	7.432807	0.65	3.618	8.3	7.925	12.18	15.61	3.427056	0	13.1	54.48
9/7/2010 0:00	16546	1_60	2010	250	0	2.526636	132.6684	19.3432	1.52	6.214	7.239	9.62	11.73	13.64	1.902882	0	13.61	53.72
9/7/2010 1:00	16547	1_60	2010	250	100	1.814921	141.6924	16.16333	0.142	2.515	2.027	5.871	9.09	11.43	2.335026	0	19.34	48.91
9/7/2010 2:00	16548	1_60	2010	250	200	2.755497	129.6991	7.54564	0.275	2.504	5.122	6.619	9.07	12.31	3.236666	0	22.3	48.98
9/7/2010 3:00	16549	1_60	2010	250	300	1.366126	116.6633	38.23642	-0.005	0.271	0.05	0.587	7.529	9.38	1.847083	0	24.36	46.08
9/7/2010 4:00	16550	1_60	2010	250	400	0.6552758	130.353	18.86858	0	0.016	0	0.024	6.181	8.01	1.826024	0	28.53	43.49
9/7/2010 5:00	16551	1_60	2010	250	500	1.386178	123.8538	18.10619	-0.023	0.711	0.267	2.302	5.991	9.39	3.401322	0	27.89	43.4
9/7/2010 6:00	16552	1_60	2010	250	600	1.653157	126.9798	21.02681	0.205	3.407	0.827	4.885	6.261	9.5	3.238946	0	27.31	44.07
9/7/2010 7:00	16553	1_60	2010	250	700	1.74534	120.7105	23.29543	0.007	0.419	0.186	1.096	6.638	7.557	0.9196585	0	29.05	44.7
9/7/2010 8:00	16554	1_60	2010	250	800	1.453478	312.8054	27.47268	0.606	9.7	-0.227	12.64	11.37	11.04	-0.3320484	0	22.72	54.07
9/7/2010 9:00	16555	1_60	2010	250	900	1.122473	300.0898	46.85119	3.606	19.97	3.381	20.95	14.67	14.14	-0.5324444	0	16.87	60.4
9/7/2010 10:00	16556	1_60	2010	250	1000	1.242051	316.3167	33.98857	0.01	25.23	-3.283	26.18	18.12	17.51	-0.6090624	0	14.14	66.65
9/7/2010 11:00	16557	1_60	2010	250	1100	1.629237	288.8544	30.66422	2.035	31.78	2.824	33.12	21.54	20.87	-0.677184	0	11.63	72.25
9/7/2010 12:00	16558	1_60	2010	250	1200	1.406771	302.4577	50.42283	4.104	29.29	1.762	30.34	25.55	24.82	-0.731657	0	9.65	79.64
9/7/2010 13:00	16559	1_60	2010	250	1300	2.491553	252.6273	48.55251	-1.627	36.12	6.246	42.17	28.5	27.84	-0.6566508	0	9.44	84.3
9/7/2010 14:00	16560	1_60	2010	250	1400	6.336889	200.2426	23.02049	3.488	41.41	39.98	49.69	28.02	27.75	-0.2712237	0	11.03	82.5
9/7/2010 15:00	16561	1_60	2010	250	1500	5.14928	187.1002	23.4219	3.164	43.15	35.64	51.16	26.89	26.62	-0.2690186	0	14.44	80.5
9/7/2010 16:00	16562	1_60	2010	250	1600	3.647049	153.0203	13.24264	3.924	19.78	20.2	24.09	24.84	24.5	-0.3481589	0	22.48	76.66
9/7/2010 17:00	16563	1_60	2010	250	1700	4.745519	240.3542	26.56854	2.048	26.23	22.45	31.94	23.72	23.69	-0.02604085	0	23.25	74.87
9/7/2010 18:00	16564	1_60	2010	250	1800	3.022386	297.1262	14.80186	1.4	10.81	1.369	10.53	22.52	22.6	0.08011623	0	25.7	72.69
9/7/2010 19:00	16565	1_60	2010	250	1900	1.443383	269.8553	20.15109	0.026	1.02	0.414	2.179	20.42	21.53	1.111623	0	30.93	69.14
9/7/2010 20:00	16566	1_60	2010	250	2000	4.713769	236.3239	17.27001	3.789	23.33	26	31.79	18.95	19.61	0.6634858	0	40.48	66.31
9/7/2010 21:00	16567	1_60	2010	250	2100	2.14206	128.3906	31.98135	2.122	13	7.577	16.85	16.49	16.77	0.2735808	0	59.24	61.86
9/7/2010 22:00	16568	1_60	2010	250	2200	3.120594	151.7171	21.70809	1.103	12.16	13.66	18.23	15.91	16.5	0.5895878	0	60.74	60.8
9/7/2010 23:00	16569	1_60	2010	250	2300	2.138053	54.6133	50.31287	1.101	9.6	-0.178	8.98	16.12	16.62	0.4960997	0	60.42	61.1

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/5/2010 0:00	16498	1_60	2010	248	0	24.58	0.022	4.746	3.959	99	2301	13.12
9/5/2010 1:00	16499	1_60	2010	248	100	24.58	0.021	4.74	5.837	118.9	41	13.15
9/5/2010 2:00	16500	1_60	2010	248	200	24.57	0.047	4.735	3.789	96	154	13.18
9/5/2010 3:00	16501	1_60	2010	248	300	24.56	0.025	4.728	4.301	102.2	230	13.21
9/5/2010 4:00	16502	1_60	2010	248	400	24.56	0.025	4.724	3.482	101.5	355	13.23
9/5/2010 5:00	16503	1_60	2010	248	500	24.57	0.052	4.72	3.447	182.5	403	13.25
9/5/2010 6:00	16504	1_60	2010	248	600	24.58	1.712	4.716	2.833	77.77	541	13.27
9/5/2010 7:00	16505	1_60	2010	248	700	24.59	91.4	4.713	3.106	227.8	629	13.28
9/5/2010 8:00	16506	1_60	2010	248	800	24.59	298.4	4.709	1.911	327.4	728	13.21
9/5/2010 9:00	16507	1_60	2010	248	900	24.58	467.9	4.707	1.911	344.4	853	13.12
9/5/2010 10:00	16508	1_60	2010	248	1000	24.56	684.3	4.705	5.871	295.6	959	13.03
9/5/2010 11:00	16509	1_60	2010	248	1100	24.52	833	4.694	11.54	243.8	1019	12.97
9/5/2010 12:00	16510	1_60	2010	248	1200	24.49	813	4.676	13.93	207.2	1119	12.94
9/5/2010 13:00	16511	1_60	2010	248	1300	24.47	741	4.639	14.54	251.9	1252	12.92
9/5/2010 14:00	16512	1_60	2010	248	1400	24.45	850	4.608	14.92	266.6	1319	12.91
9/5/2010 15:00	16513	1_60	2010	248	1500	24.43	640.5	4.571	17.48	241	1412	12.91
9/5/2010 16:00	16514	1_60	2010	248	1600	24.4	598.7	4.532	15.84	220.5	1531	12.91
9/5/2010 17:00	16515	1_60	2010	248	1700	24.38	385.7	4.491	15.09	218.9	1604	12.91
9/5/2010 18:00	16516	1_60	2010	248	1800	24.37	139.7	4.454	13.89	190.3	1711	12.92
9/5/2010 19:00	16517	1_60	2010	248	1900	24.37	21.17	4.431	12.29	211.5	1829	12.95
9/5/2010 20:00	16518	1_60	2010	248	2000	24.38	0.035	4.403	8.7	278.9	1920	12.97
9/5/2010 21:00	16519	1_60	2010	248	2100	24.38	0.021	4.39	7.475	267.5	2034	13.01
9/5/2010 22:00	16520	1_60	2010	248	2200	24.38	0.047	4.381	6.69	234.5	2145	13.03
9/5/2010 23:00	16521	1_60	2010	248	2300	24.4	0.018	4.375	4.335	277.6	2217	13.06
9/6/2010 0:00	16522	1_60	2010	249	0	24.41	0.027	4.367	10.04	243.3	2359	13.08
9/6/2010 1:00	16523	1_60	2010	249	100	24.41	0.008	4.353	11.33	280.1	16	13.07
9/6/2010 2:00	16524	1_60	2010	249	200	24.43	0.031	4.345	8.84	279.9	123	13.07
9/6/2010 3:00	16525	1_60	2010	249	300	24.47	0.035	4.332	10.27	290.1	248	13.1
9/6/2010 4:00	16526	1_60	2010	249	400	24.51	0.011	4.321	9.56	294.8	307	13.13
9/6/2010 5:00	16527	1_60	2010	249	500	24.53	0.04	4.318	7.066	263.1	444	13.17
9/6/2010 6:00	16528	1_60	2010	249	600	24.55	1.868	4.312	9.56	244.7	536	13.19
9/6/2010 7:00	16529	1_60	2010	249	700	24.59	97.1	4.308	4.506	179.5	650	13.2
9/6/2010 8:00	16530	1_60	2010	249	800	24.61	306.4	4.305	5.018	85.4	747	13.15
9/6/2010 9:00	16531	1_60	2010	249	900	24.63	528.8	4.298	6.451	17.85	829	13.1
9/6/2010 10:00	16532	1_60	2010	249	1000	24.64	713.7	4.287	6.963	12.43	902	13.07
9/6/2010 11:00	16533	1_60	2010	249	1100	24.63	849	4.273	7.578	315.2	1023	13.04
9/6/2010 12:00	16534	1_60	2010	249	1200	24.62	924	4.262	5.325	233.4	1110	13.01
9/6/2010 13:00	16535	1_60	2010	249	1300	24.6	939	4.244	4.369	0.131	1224	12.99
9/6/2010 14:00	16536	1_60	2010	249	1400	24.59	889	4.215	7.714	15.37	1338	12.96
9/6/2010 15:00	16537	1_60	2010	249	1500	24.58	781.6	4.181	6.929	203.8	1451	12.95
9/6/2010 16:00	16538	1_60	2010	249	1600	24.58	617.7	4.145	7.339	258.9	1510	12.95
9/6/2010 17:00	16539	1_60	2010	249	1700	24.58	418.5	4.118	8.16	291.7	1648	12.96
9/6/2010 18:00	16540	1_60	2010	249	1800	24.58	200.5	4.094	6.11	239.4	1712	12.97
9/6/2010 19:00	16541	1_60	2010	249	1900	24.59	20.14	4.075	4.506	257.7	1819	13.02
9/6/2010 20:00	16542	1_60	2010	249	2000	24.61	0.025	4.065	2.355	198.8	1946	13.1
9/6/2010 21:00	16543	1_60	2010	249	2100	24.62	0.032	4.056	3.482	125	2058	13.16
9/6/2010 22:00	16544	1_60	2010	249	2200	24.63	0.021	4.049	3.857	134.9	2152	13.22
9/6/2010 23:00	16545	1_60	2010	249	2300	24.63	0.019	4.043	5.12	111.4	2259	13.26
9/7/2010 0:00	16546	1_60	2010	250	0	24.64	0.012	4.037	5.188	123.7	2307	13.29
9/7/2010 1:00	16547	1_60	2010	250	100	24.64	0.041	4.033	3.447	143.9	47	13.33
9/7/2010 2:00	16548	1_60	2010	250	200	24.64	0.036	4.029	4.506	125	120	13.35
9/7/2010 3:00	16549	1_60	2010	250	300	24.65	0.05	4.025	2.697	98.8	230	13.38
9/7/2010 4:00	16550	1_60	2010	250	400	24.66	0.024	4.024	1.331	168.2	359	13.41
9/7/2010 5:00	16551	1_60	2010	250	500	24.66	0.006	4.022	2.526	102.1	419	13.44
9/7/2010 6:00	16552	1_60	2010	250	600	24.68	1.667	4.02	3.857	96	553	13.44
9/7/2010 7:00	16553	1_60	2010	250	700	24.68	94.6	4.017	3.447	85.6	612	13.44
9/7/2010 8:00	16554	1_60	2010	250	800	24.69	298.9	4.014	3.14	301	746	13.35
9/7/2010 9:00	16555	1_60	2010	250	900	24.68	505.5	4.011	3.038	25.21	826	13.24
9/7/2010 10:00	16556	1_60	2010	250	1000	24.66	682	4.007	3.072	346.3	937	13.14
9/7/2010 11:00	16557	1_60	2010	250	1100	24.64	817	4.002	4.096	290.3	1029	13.07
9/7/2010 12:00	16558	1_60	2010	250	1200	24.61	832	3.995	3.516	337.6	1136	12.98
9/7/2010 13:00	16559	1_60	2010	250	1300	24.58	534.6	3.983	9.25	198.3	1259	12.95
9/7/2010 14:00	16560	1_60	2010	250	1400	24.61	165.4	3.962	14.78	190.8	1338	12.95
9/7/2010 15:00	16561	1_60	2010	250	1500	24.61	182	3.942	15.22	222.5	1444	12.96
9/7/2010 16:00	16562	1_60	2010	250	1600	24.6	159.2	3.922	7.441	175.6	1505	12.98
9/7/2010 17:00	16563	1_60	2010	250	1700	24.61	62.4	3.906	12.25	253.6	1640	13.01
9/7/2010 18:00	16564	1_60	2010	250	1800	24.61	40.55	3.89	4.54	313.3	1731	13.03
9/7/2010 19:00	16565	1_60	2010	250	1900	24.62	5.383	3.884	3.447	284.1	1857	13.06
9/7/2010 20:00	16566	1_60	2010	250	2000	24.65	0.044	3.878	10.58	218.7	1928	13.09
9/7/2010 21:00	16567	1_60	2010	250	2100	24.63	0.034	3.874	6.315	194	2005	13.13
9/7/2010 22:00	16568	1_60	2010	250	2200	24.64	0.052	3.871	6.554	166.4	2140	13.17
9/7/2010 23:00	16569	1_60	2010	250	2300	24.65	0.04	3.868	5.12	79.56	2203	13.18

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/8/2010 0:00	16570	1_60	2010	251	0	1.702247	131.4783	32.06828	0.488	4.306	2.661	7.684	15.91	16.65	0.7391611	0	63.34	60.84
9/8/2010 1:00	16571	1_60	2010	251	100	1.999979	305.525	35.57909	-0.204	5.063	-0.058	3.988	14.56	15.29	0.7281476	0.01	75.91	58.37
9/8/2010 2:00	16572	1_60	2010	251	200	1.692234	152.3155	53.58296	1.586	7.374	4.904	9.37	13.34	13.82	0.4798581	0.05	86.3	56.24
9/8/2010 3:00	16573	1_60	2010	251	300	0.8923845	9.378757	51.85885	0.387	3.916	0.172	1.732	13.12	13.5	0.3817344	0	90.6	55.7
9/8/2010 4:00	16574	1_60	2010	251	400	1.484527	158.0503	19.31334	0.025	0.978	0.224	1.442	12.56	13.39	0.8323786	0	93	54.76
9/8/2010 5:00	16575	1_60	2010	251	500	1.864066	133.2009	23.81113	0.027	0.73	0.026	0.979	12.08	12.95	0.8629655	0	93.5	53.89
9/8/2010 6:00	16576	1_60	2010	251	600	1.252799	123.9748	17.09673	0.023	1.098	-0.041	1.111	11.86	12.69	0.8324839	0	92.7	53.54
9/8/2010 7:00	16577	1_60	2010	251	700	1.618626	124.0792	29.47187	0.066	1.81	-0.112	2.013	11.74	12.43	0.6954134	0	94.4	53.17
9/8/2010 8:00	16578	1_60	2010	251	800	0.9979109	92.55477	38.80753	0.115	1.163	0.035	0.376	13.68	13.61	-0.0679162	0	92.3	56.63
9/8/2010 9:00	16579	1_60	2010	251	900	1.134273	169.4555	59.01579	-0.428	14.22	0.703	16.2	15.65	15.24	-0.4068945	0	79.57	61.03
9/8/2010 10:00	16580	1_60	2010	251	1000	3.461822	315.0078	12.03152	2.787	13.38	-0.949	13.35	14.82	14.65	-0.1787497	0.01	86.1	58.94
9/8/2010 11:00	16581	1_60	2010	251	1100	1.252033	150.7873	42.05171	3.272	17	3.69	17.31	15.83	15.4	-0.4335509	0	82.4	61.17
9/8/2010 12:00	16582	1_60	2010	251	1200	1.89081	105.4172	32.87397	5.961	21.28	6.097	20.87	18.37	17.8	-0.5682989	0	72.56	65.63
9/8/2010 13:00	16583	1_60	2010	251	1300	5.193205	147.9366	18.63752	9.24	39.21	31.93	42.95	21.95	21	-0.9543153	0	57.24	71.24
9/8/2010 14:00	16584	1_60	2010	251	1400	4.86088	171.0721	19.41594	6.923	37.98	36.33	41.35	24.08	22.72	-1.362996	0	45.37	74.85
9/8/2010 15:00	16585	1_60	2010	251	1500	4.237132	162.9981	24.37796	9.63	37.72	31.51	40.28	25.11	23.9	-1.216258	0	38.36	76.81
9/8/2010 16:00	16586	1_60	2010	251	1600	7.074279	177.6685	16.26043	7.382	38.39	54.35	42.62	21.78	21.85	0.06771508	0.05	51.62	71.46
9/8/2010 17:00	16587	1_60	2010	251	1700	6.635363	141.2352	17.80936	8.37	36.12	35.71	45.21	16.88	17.14	0.2592098	0.05	76.98	62.73
9/8/2010 18:00	16588	1_60	2010	251	1800	5.266935	127.3427	10.28693	10.68	28.98	25.26	31.53	16.9	17.15	0.2541538	0	76.1	62.6
9/8/2010 19:00	16589	1_60	2010	251	1900	4.521546	123.6653	10.72113	9.34	22.12	18.26	23.48	15.99	16.23	0.2395666	0	79.92	60.95
9/8/2010 20:00	16590	1_60	2010	251	2000	2.633409	168.4495	28.12917	2.635	10.76	9.47	14.07	14.89	15.39	0.502763	0	84.6	58.85
9/8/2010 21:00	16591	1_60	2010	251	2100	1.237702	77.66291	62.65851	0.337	3.306	-0.273	3.964	13.91	14.84	0.9260456	0	86.7	57.44
9/8/2010 22:00	16592	1_60	2010	251	2200	1.100967	155.5462	29.47916	-0.013	0.36	0.079	0.923	12.94	13.93	0.9931878	0	91.2	55.58
9/8/2010 23:00	16593	1_60	2010	251	2300	1.349633	122.5401	35.52168	0.027	0.579	0.012	1.989	11.97	13.37	1.40034	0	93.7	53.69
9/9/2010 0:00	16594	1_60	2010	252	0	1.436614	127.6815	13.0246	0.001	0.165	0.019	0.289	12.26	13.91	1.655936	0	93.2	54.12
9/9/2010 1:00	16595	1_60	2010	252	100	1.361939	112.7779	32.01452	0.118	1.302	0.003	0.817	12.68	13.68	0.9938551	0	92.6	54.92
9/9/2010 2:00	16596	1_60	2010	252	200	1.365676	167.6768	18.81429	-0.004	0.133	0.015	0.234	12.5	13.72	1.218221	0	92.9	54.68
9/9/2010 3:00	16597	1_60	2010	252	300	2.187287	123.393	26.07548	0.23	16.46	2.461	16.68	12.44	13.53	1.082239	0	89.8	54.38
9/9/2010 4:00	16598	1_60	2010	252	400	2.679576	109.6474	43.70992	9.08	28.85	11.67	29.24	16.88	18.03	1.15207	0	52.74	62.61
9/9/2010 5:00	16599	1_60	2010	252	500	3.789189	127.8041	39.576	9.02	26.12	16.63	28.67	15.6	17.07	1.472505	0	57.11	60.44
9/9/2010 6:00	16600	1_60	2010	252	600	2.723859	167.1248	60.36364	-2.787	43.47	5.24	44.45	17.68	18.44	0.7598917	0	46.58	63.85
9/9/2010 7:00	16601	1_60	2010	252	700	3.734627	172.1864	33.1426	2.08	37.71	20.58	39.75	18.17	18.63	0.4553145	0	42.68	65.12
9/9/2010 8:00	16602	1_60	2010	252	800	6.270131	183.2602	30.81936	2.944	65.46	40.34	70.28	19.23	19.21	-0.02118135	0	33.17	66.96
9/9/2010 9:00	16603	1_60	2010	252	900	8.204535	198.1718	23.65095	5.209	67.71	58.99	74.94	20.03	19.65	-0.3731612	0	28.07	68.14
9/9/2010 10:00	16604	1_60	2010	252	1000	8.620901	186.4542	19.53561	8.96	69.37	66.72	76.43	20.88	20.21	-0.6772571	0	19.81	69.51
9/9/2010 11:00	16605	1_60	2010	252	1100	7.755091	204.3851	21.8444	6.446	62.03	55.36	66.34	21.68	20.78	-0.9057754	0	17.15	71.05
9/9/2010 12:00	16606	1_60	2010	252	1200	9.770703	219.6004	15.79639	5.114	58.77	64.33	63.84	22.38	21.28	-1.10073	0	14.63	72.15
9/9/2010 13:00	16607	1_60	2010	252	1300	8.179745	222.2385	18.70674	4.004	55.22	51.65	58.87	23.29	22.05	-1.237296	0	13.53	73.76
9/9/2010 14:00	16608	1_60	2010	252	1400	9.48865	232.0451	16.35126	4.784	61.05	56.97	66.57	23.87	22.67	-1.201306	0	11.59	74.64
9/9/2010 15:00	16609	1_60	2010	252	1500	9.819478	222.5095	15.24123	-0.421	63.06	55.24	68.61	23.95	22.86	-1.098984	0	11.56	74.8
9/9/2010 16:00	16610	1_60	2010	252	1600	9.32361	215.1239	18.75577	1.55	56.41	59.46	60.23	24.17	23.21	-0.958652	0	11.84	75.24
9/9/2010 17:00	16611	1_60	2010	252	1700	8.222738	216.1114	15.56769	3.12	48.51	53.65	52.61	23.66	23.1	-0.5558785	0	12.42	74.63
9/9/2010 18:00	16612	1_60	2010	252	1800	7.795069	208.3739	16.67704	2.884	46.1	53.42	49.02	22.89	22.75	-0.1405211	0	12.69	73.43
9/9/2010 19:00	16613	1_60	2010	252	1900	5.490871	206.1497	15.70507	0.534	35.57	33.45	39.39	21.49	21.97	0.483367	0	12.59	70.97
9/9/2010 20:00	16614	1_60	2010	252	2000	3.010898	191.3573	12.7682	-0.706	12.73	13.61	16.06	19.03	21.16	2.124639	0	15.03	66.9
9/9/2010 21:00	16615	1_60	2010	252	2100	2.325634	170.555	32.8274	0.486	10.03	11.46	14.35	15.66	18.27	2.612049	0	22.07	60.82
9/9/2010 22:00	16616	1_60	2010	252	2200	1.985784	88.08458	28.17111	0.723	6.633	-0.477	8.3	14.25	16.8	2.551951	0	24.6	57.98
9/9/2010 23:00	16617	1_60	2010	252	2300	2.167259	116.8192	20.2043	-0.391	6.198	1.131	7.124	13.7	16.27	2.570566	0	25.97	57.29
9/10/2010 0:00	16618	1_60	2010	253	0	1.241114	125.655	56.16079	-0.359	8.15	0.827	10.45	14.34	16.11	1.763871	0	26	57.62
9/10/2010 1:00	16619	1_60	2010	253	100	1.260231	45.15378	51.1871	0.44	5.239	1	6.416	14.17	15.72	1.552883	0	26.56	58
9/10/2010 2:00	16620	1_60	2010	253	200	1.761128	106.4699	43.19973	-0.583	7.715	1.777	11.59	13.58	15.69	2.108483	0	30.09	56.56
9/10/2010 3:00	16621	1_60	2010	253	300	1.826412	76.69318	21.33682	0.165	12.03	0.493	13.07	13.28	14.93	1.644082	0	31.46	56.52
9/10/2010 4:00	16622	1_60	2010	253	400	1.142754	115.9709	37.61966	0.432	7.876	1.675	9.49	12.88	14.48	1.60321	0	32.45	55.53
9/10/2010 5:00	16623	1_60	2010	253	500	1.548709	193.9106	67.19148	-1.328	19.21	6.167	24.61	12.61	13.49	0.8753871	0	32.19	54.68
9/10/2010 6:00	16624	1_60	2010	253	600	1.271118	138.5146	36.85332	1.024	20.93	0.519	20.38	12.1	13.05	0.9521342	0	33.06	53.99
9/10/2010 7:00	16625	1_60	2010	253	700	1.88751	329.0432	37.20544	-2.32	25.88	-5.73	26.09	13.29	13.87	0.5721702	0	29.34	56.59
9/10/2010 8:00	16626	1_60	2010	253	800	2.003397	355.0366	32.81586	3.805	18.96	1.582	19.29	15.7	15.48	-0.2195121	0	24.64	61.53
9/10/2010 9:00	16627	1_60	2010	253	900	4.974457	234.1525	18.96585	2.26	31.48	25.08	32.52	17.78	16.98	-0.8010132	0	22.63	64.35
9/10/2010 10:00	16628	1_60	2010	253	1000	5.395072	240.8806	15.74367	3.007	34.28	26.87	36.31	18.89	17.78	-1.11442	0	22.14	66.13
9/10/2010 11:00	16629	1_60	2010	253	1100	6.893807	241.1016	18.74728	3.929	38.92	36.04	41.15	20.07	18.73	-1.341395	0	19.11	68.09
9/10/2010 12:00	16630	1_60	2010	253	1200	6.993864	260.7277	17.41524	3.316	43.23	22.61	46.67	20.51	19.1	-1.40716	0	17.65	68.79
9/10/2010 13:00	16631	1_60	2010	253	1300	6.365364	244.1731	19.53679	2.675	44.57	29.66	48.8	21.38	19.88	-1.499588	0	15.02	70.34
9/10/2010 14:00	16632	1_60	2010	253	1400	5.643363	260.9815	22.79139	-0.612	40.59	15.19	44.02	21.74	20.32	-1.415089	0	15.6	70.93
9/10/2010 15:00	16633	1_60	2010	253	1500	5.908005	267.8281	20.92976	4.512	43.28	17.21	48.57	22.24	20.97	-1.270511	0	14.37	71.9
9/10/2010 16:00	16634	1_60	2010	253	1600	5.792499	262.6613	20.27755	3.091	39.91	17.91	43.53	22.43	21.3	-1.13447	0	14.1	72.3
9/10/2010 17:00	16635	1_60	2010	253	1700	5.785833	278.6131	16.00948	7.404	37.3	15.5	41.61	22.41	21.56	-0.8518798	0	13.11	72.56
9/10/2010 18:00	16636	1_60	2010	253	1800	5.085887	306.1519	9.024625	4.262	22.03	-0.889	24.98	21.26	20.89	-0.3626796	0	13.91	70.77
9/10/2010 19:00	16637	1_60	2010	253	1900	3.365717	318.2306	6.868251	0.932	6.101	-0.332	6.643	17.69	18.96	1.271331	0	18.22	64.35
9/10/2010 20:00	16638	1_60	2010	253	2000	2.143591	225.8318	23.29876	-0.039	3.721	3.055	7.284	14.08	17.56	3.481496	0	24.21	58.11
9/10/2010 21:00	16639	1_60	2010	253	2100	2.090114	172.1713	16.18363	-0.001	1.33	2.849	5.588	11.89	16.59	4.704624	0	29.2	54.24
9/10/2010 22:00	16640	1_60	2010	253	2200	1.905057	141.2664	10.89397	-0.042	1.218	1.073	3.416	10.8	15.15	4.352973	0	32.08	52.05
9/10/2010 23:00	16641	1_60	2010	253	2300	2.300385	147.0321	17.18834	-0.012	2.47	3.218	6.744	9.75	12.96	3.206698	0	34.33	50.08

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/8/2010 0:00	16570	1_60	2010	251	0	24.66	0.037	AQ	3.379	195.3	2317	13.18
9/8/2010 1:00	16571	1_60	2010	251	100	24.66	0.052	AQ	4.779	290.6	46	13.19
9/8/2010 2:00	16572	1_60	2010	251	200	24.65	0.064	AQ	3.413	128.4	152	13.22
9/8/2010 3:00	16573	1_60	2010	251	300	24.64	0.055	3.873	2.048	62.84	249	13.23
9/8/2010 4:00	16574	1_60	2010	251	400	24.63	0.053	3.873	2.56	197.3	349	13.24
9/8/2010 5:00	16575	1_60	2010	251	500	24.62	0.043	3.873	2.697	87.7	426	13.26
9/8/2010 6:00	16576	1_60	2010	251	600	24.62	0.973	3.872	2.731	112.2	555	13.27
9/8/2010 7:00	16577	1_60	2010	251	700	24.62	20.51	3.872	2.935	21.47	632	13.28
9/8/2010 8:00	16578	1_60	2010	251	800	24.61	78.75	3.872	2.014	132.1	700	13.26
9/8/2010 9:00	16579	1_60	2010	251	900	24.62	335.4	3.873	3.721	318.2	859	13.21
9/8/2010 10:00	16580	1_60	2010	251	1000	24.62	84.5	AQ	5.939	306.2	935	13.17
9/8/2010 11:00	16581	1_60	2010	251	1100	24.61	333.7	AQ	3.482	90.8	1031	13.18
9/8/2010 12:00	16582	1_60	2010	251	1200	24.59	371.3	AQ	4.71	94.4	1148	13.13
9/8/2010 13:00	16583	1_60	2010	251	1300	24.57	597	3.898	11.23	160.7	1236	13.09
9/8/2010 14:00	16584	1_60	2010	251	1400	24.53	808	3.898	11.09	151	1354	13.04
9/8/2010 15:00	16585	1_60	2010	251	1500	24.49	581.5	3.894	8.53	179.5	1423	13
9/8/2010 16:00	16586	1_60	2010	251	1600	24.53	82.1	AQ	16.96	213.9	1558	13
9/8/2010 17:00	16587	1_60	2010	251	1700	24.51	206.3	AQ	14.17	201.7	1601	13.08
9/8/2010 18:00	16588	1_60	2010	251	1800	24.51	89.5	3.929	10.31	155.4	1713	13.12
9/8/2010 19:00	16589	1_60	2010	251	1900	24.49	12.92	3.929	7.714	110.4	1800	13.13
9/8/2010 20:00	16590	1_60	2010	251	2000	24.49	0.041	3.928	6.178	142.8	1900	13.16
9/8/2010 21:00	16591	1_60	2010	251	2100	24.49	0.054	3.927	2.628	8.8	2009	13.21
9/8/2010 22:00	16592	1_60	2010	251	2200	24.49	0.059	3.927	2.935	216.6	2101	13.23
9/8/2010 23:00	16593	1_60	2010	251	2300	24.49	0.041	3.926	2.389	67.52	2240	13.25
9/9/2010 0:00	16594	1_60	2010	252	0	24.48	0.043	3.926	2.287	190.1	2353	13.26
9/9/2010 1:00	16595	1_60	2010	252	100	24.48	0.04	3.925	3.14	91	16	13.26
9/9/2010 2:00	16596	1_60	2010	252	200	24.48	0.046	3.924	3.038	156.2	153	13.26
9/9/2010 3:00	16597	1_60	2010	252	300	24.48	0.04	3.924	4.642	133.1	241	13.27
9/9/2010 4:00	16598	1_60	2010	252	400	24.48	0.01	3.921	6.656	124.5	341	13.26
9/9/2010 5:00	16599	1_60	2010	252	500	24.49	0.05	3.919	11.09	124	446	13.24
9/9/2010 6:00	16600	1_60	2010	252	600	24.5	0.984	3.916	11.67	181.7	558	13.22
9/9/2010 7:00	16601	1_60	2010	252	700	24.52	79.59	3.913	9.32	161.8	617	13.2
9/9/2010 8:00	16602	1_60	2010	252	800	24.51	297.1	3.907	18.5	235	745	13.15
9/9/2010 9:00	16603	1_60	2010	252	900	24.52	507.3	3.902	21.44	185.5	801	13.11
9/9/2010 10:00	16604	1_60	2010	252	1000	24.52	693.8	3.889	20.1	168.4	900	13.09
9/9/2010 11:00	16605	1_60	2010	252	1100	24.52	824	3.868	19.49	233.3	1020	13.07
9/9/2010 12:00	16606	1_60	2010	252	1200	24.51	898	3.844	17.41	229	1131	13.05
9/9/2010 13:00	16607	1_60	2010	252	1300	24.5	913	3.812	16.9	235.4	1251	13.04
9/9/2010 14:00	16608	1_60	2010	252	1400	24.49	867	3.777	16.15	237.6	1323	13.02
9/9/2010 15:00	16609	1_60	2010	252	1500	24.47	751.4	3.741	16.73	248	1451	13.01
9/9/2010 16:00	16610	1_60	2010	252	1600	24.47	583.6	3.703	16.35	203.6	1516	13.01
9/9/2010 17:00	16611	1_60	2010	252	1700	24.46	331.1	3.673	14.34	223.8	1614	13.01
9/9/2010 18:00	16612	1_60	2010	252	1800	24.47	152.6	3.652	14.75	224.8	1701	13.03
9/9/2010 19:00	16613	1_60	2010	252	1900	24.46	11.19	3.634	13.35	214	1807	13.05
9/9/2010 20:00	16614	1_60	2010	252	2000	24.47	0.032	3.625	7.817	216.5	1909	13.1
9/9/2010 21:00	16615	1_60	2010	252	2100	24.47	0.03	3.62	4.574	200.9	2004	13.15
9/9/2010 22:00	16616	1_60	2010	252	2200	24.48	0.018	3.615	3.209	72.23	2108	13.21
9/9/2010 23:00	16617	1_60	2010	252	2300	24.48	0.049	3.612	3.584	111.6	2250	13.24
9/10/2010 0:00	16618	1_60	2010	253	0	24.5	0.021	3.608	3.482	110.1	2300	13.27
9/10/2010 1:00	16619	1_60	2010	253	100	24.52	0.027	3.607	2.765	95	57	13.27
9/10/2010 2:00	16620	1_60	2010	253	200	24.53	0.029	3.605	4.028	196.6	121	13.27
9/10/2010 3:00	16621	1_60	2010	253	300	24.54	0.027	3.603	4.54	116.8	257	13.28
9/10/2010 4:00	16622	1_60	2010	253	400	24.55	0.016	3.601	3.243	147.3	351	13.29
9/10/2010 5:00	16623	1_60	2010	253	500	24.57	0.03	3.599	5.325	198.1	416	13.31
9/10/2010 6:00	16624	1_60	2010	253	600	24.59	1.247	3.597	3.925	47.02	557	13.32
9/10/2010 7:00	16625	1_60	2010	253	700	24.62	87.5	3.596	5.803	291.5	619	13.32
9/10/2010 8:00	16626	1_60	2010	253	800	24.63	294	3.593	4.233	310.5	710	13.24
9/10/2010 9:00	16627	1_60	2010	253	900	24.65	502.1	3.588	8.29	256.4	837	13.17
9/10/2010 10:00	16628	1_60	2010	253	1000	24.65	681.8	3.581	8.98	227.4	936	13.12
9/10/2010 11:00	16629	1_60	2010	253	1100	24.66	818	3.567	11.74	266.8	1055	13.09
9/10/2010 12:00	16630	1_60	2010	253	1200	24.66	892	3.541	11.78	271.1	1140	13.07
9/10/2010 13:00	16631	1_60	2010	253	1300	24.66	912	3.52	11.91	270.3	1229	13.05
9/10/2010 14:00	16632	1_60	2010	253	1400	24.65	855	3.486	12.15	275.6	1355	13.03
9/10/2010 15:00	16633	1_60	2010	253	1500	24.65	742.9	3.448	11.5	287.7	1423	13.02
9/10/2010 16:00	16634	1_60	2010	253	1600	24.65	578.6	3.42	11.74	272.3	1528	13.02
9/10/2010 17:00	16635	1_60	2010	253	1700	24.66	381.7	BA	10.07	289.7	1605	13.01
9/10/2010 18:00	16636	1_60	2010	253	1800	24.67	174.5	BA	7.646	291.7	1705	12.99
9/10/2010 19:00	16637	1_60	2010	253	1900	24.68	12.9	7.959	5.257	294	1804	13.07
9/10/2010 20:00	16638	1_60	2010	253	2000	24.71	0.025	7.947	3.516	233.7	1932	13.16
9/10/2010 21:00	16639	1_60	2010	253	2100	24.73	0.028	7.938	3.345	147.2	2055	13.23
9/10/2010 22:00	16640	1_60	2010	253	2200	24.74	0.013	7.929	3.072	141	2100	13.28
9/10/2010 23:00	16641	1_60	2010	253	2300	24.75	0.049	7.922	3.55	162.2	2243	13.32

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/11/2010 0:00	16642	1_60	2010	254	0	1.615072	123.1135	44.10706	0.254	3.763	1.274	5.067	9.06	11.64	2.588071	0	37.38	48.55
9/11/2010 1:00	16643	1_60	2010	254	100	2.559764	138.9575	35.26622	2.738	9.61	9.12	13.87	7.25	9.54	2.288535	0	44.33	45.79
9/11/2010 2:00	16644	1_60	2010	254	200	4.060406	132.9733	3.941359	2.886	6.145	19.06	7.473	7.849	10.05	2.199462	0	46.76	46.69
9/11/2010 3:00	16645	1_60	2010	254	300	2.572304	138.6196	18.57843	1.548	9.97	10.33	11.99	5.737	8.37	2.633953	0	53.08	43.06
9/11/2010 4:00	16646	1_60	2010	254	400	1.871103	122.5681	18.40373	0.043	1.423	1.163	3.831	5.203	7.004	1.801289	0	56.49	41.56
9/11/2010 5:00	16647	1_60	2010	254	500	1.554367	95.14822	15.55328	0.1	2.326	-0.104	3.307	3.661	6.027	2.366327	0	61.7	38.97
9/11/2010 6:00	16648	1_60	2010	254	600	2.00988	104.5883	11.18245	-0.011	1.862	0.309	3.248	3.874	5.169	1.294574	0	60.63	39.3
9/11/2010 7:00	16649	1_60	2010	254	700	1.829397	109.6243	10.04129	0.025	1.997	0.212	2.555	4.499	4.861	0.3622145	0	57.92	40.99
9/11/2010 8:00	16650	1_60	2010	254	800	0.5303181	51.98143	50.76616	-2.016	13.09	-2.565	14.13	9.38	9.2	-0.1795877	0	38.15	51.93
9/11/2010 9:00	16651	1_60	2010	254	900	0.9370989	333.3924	38.34145	-2.109	26.01	-4.61	25.47	11.84	11.36	-0.480866	0	32.15	56.14
9/11/2010 10:00	16652	1_60	2010	254	1000	1.363111	333.5955	39.22047	2.132	30.28	-0.987	28.67	14.49	13.83	-0.6613528	0	28.3	59.98
9/11/2010 11:00	16653	1_60	2010	254	1100	1.562906	296.8566	38.45394	-1.418	33.89	-1.434	33.7	17.12	16.44	-0.683933	0	23.07	64.49
9/11/2010 12:00	16654	1_60	2010	254	1200	1.647469	311.9564	53.91589	2.116	36.63	-0.702	34.82	20.58	19.69	-0.8935738	0	15.41	70.68
9/11/2010 13:00	16655	1_60	2010	254	1300	2.751994	330.0901	33.97589	9.08	38.38	2.098	39.93	22.95	21.98	-0.9734433	0	10.89	74.22
9/11/2010 14:00	16656	1_60	2010	254	1400	2.16692	316.1403	70.04456	3.675	38.98	2.495	42.27	24.07	23.13	-0.936611	0	10.25	76.48
9/11/2010 15:00	16657	1_60	2010	254	1500	3.085362	24.22352	30.73618	12.15	35.02	1.361	37.44	25.16	24.28	-0.8873178	0	9.54	78.09
9/11/2010 16:00	16658	1_60	2010	254	1600	2.102065	41.42334	58.12748	6.361	34.99	2.67	39.05	25.48	24.79	-0.6927475	0	9.15	78.76
9/11/2010 17:00	16659	1_60	2010	254	1700	2.128806	255.0336	42.98508	3.039	29.32	7.026	31.95	26.04	25.38	-0.6607761	0	8.95	80.1
9/11/2010 18:00	16660	1_60	2010	254	1800	1.40046	301.7493	40.86882	1.162	13.59	0.475	14.6	25.12	24.92	-0.1971818	0	9.73	79.2
9/11/2010 19:00	16661	1_60	2010	254	1900	1.912817	247.8346	18.34603	-0.005	0.335	0.803	3.172	19.35	22.36	3.008665	0	17.19	67.76
9/11/2010 20:00	16662	1_60	2010	254	2000	0.7829285	214.4767	41.77508	0.018	0.49	0.381	1.832	17.02	20.49	3.470368	0	19.86	63.23
9/11/2010 21:00	16663	1_60	2010	254	2100	1.05691	197.3228	15.6783	0.076	2.739	2.09	7.298	14.65	19.19	4.534925	0	24.26	59.34
9/11/2010 22:00	16664	1_60	2010	254	2200	2.195307	140.0957	15.67129	0.072	2.199	1.672	5.253	12.35	16.91	4.55629	0	30.42	54.92
9/11/2010 23:00	16665	1_60	2010	254	2300	4.655887	131.4843	6.218439	6.462	14.92	22.01	15.76	13.68	15.8	2.12211	0	26.69	56.97
9/12/2010 0:00	16666	1_60	2010	255	0	5.151979	124.5669	4.599091	7.364	11.52	21.95	11.95	13.47	14.55	1.073115	0	28.07	56.5
9/12/2010 1:00	16667	1_60	2010	255	100	2.858868	122.2648	19.26423	5.307	12.25	11.67	14.07	12.45	13.36	0.9075783	0	30.81	54.79
9/12/2010 2:00	16668	1_60	2010	255	200	0.9814708	134.7977	27.32277	-0.025	1.356	0.105	1.853	9.1	11.51	2.412997	0	39.92	49.01
9/12/2010 3:00	16669	1_60	2010	255	300	1.106825	158.3063	24.41495	-0.063	1.609	-0.053	1.263	9.09	11.24	2.152923	0	40.06	48.82
9/12/2010 4:00	16670	1_60	2010	255	400	0.973965	136.0247	55.0208	-0.317	3.425	-0.345	3.603	7.952	10.39	2.436301	0	43.11	46.75
9/12/2010 5:00	16671	1_60	2010	255	500	1.358872	126.8585	17.14893	0.017	0.518	0.016	0.402	6.302	8.94	2.634059	0	48.67	43.94
9/12/2010 6:00	16672	1_60	2010	255	600	1.903324	118.7945	11.30145	0.297	2.727	0.207	2.784	6.014	8.48	2.469442	0	49.79	43.08
9/12/2010 7:00	16673	1_60	2010	255	700	1.558753	115.9049	10.93745	0.015	0.514	0.054	0.71	6.261	7.94	1.678804	0	49.75	44.03
9/12/2010 8:00	16674	1_60	2010	255	800	0.461311	320.2479	41.02356	0.895	9.09	0.317	9.72	11.82	11.59	-0.2278175	0	31.96	56.22
9/12/2010 9:00	16675	1_60	2010	255	900	1.230247	306.4167	33.16724	1.829	25.33	-0.391	26.15	15.04	14.52	-0.5134693	0	26.13	61.22
9/12/2010 10:00	16676	1_60	2010	255	1000	1.492735	303.0647	38.1893	7.499	27.68	6.722	28.72	17.2	16.54	-0.6598201	0	23.54	64.44
9/12/2010 11:00	16677	1_60	2010	255	1100	1.15905	305.5503	60.09277	-1.327	32.42	-3.843	33.12	20.19	19.56	-0.6307175	0	18.36	70.44
9/12/2010 12:00	16678	1_60	2010	255	1200	1.506499	305.3127	43.33542	0.609	34.13	-0.162	34.18	23.28	22.56	-0.7267121	0	14.47	75.56
9/12/2010 13:00	16679	1_60	2010	255	1300	1.45749	12.2008	54.25925	-2.235	33.86	-6.436	35.34	25.98	25.27	-0.7098838	0	11.68	80.6
9/12/2010 14:00	16680	1_60	2010	255	1400	2.964271	313.8613	48.84662	7.199	36.68	9.67	39.87	28.1	27.08	-1.027413	0	10.85	83.3
9/12/2010 15:00	16681	1_60	2010	255	1500	3.766602	180.5756	28.83588	4.102	36.09	24.72	39.77	29.46	28.03	-1.434852	0	9.91	84.9
9/12/2010 16:00	16682	1_60	2010	255	1600	4.474126	205.9994	36.08537	-2.281	36.29	19.44	40.43	29.4	28.28	-1.126476	0	9.36	85
9/12/2010 17:00	16683	1_60	2010	255	1700	3.42686	216.6105	19.53113	2.015	22.54	19.25	26.73	27.79	27.57	-0.217132	0	9.93	82.3
9/12/2010 18:00	16684	1_60	2010	255	1800	5.308433	209.3984	9.854394	1.741	23.67	34.08	25.02	26.65	26.78	0.1285929	0	10.66	80.1
9/12/2010 19:00	16685	1_60	2010	255	1900	4.109648	218.5322	39.16305	1.086	19.62	21.28	24.64	25	25.54	0.5359769	0	12.43	77.24
9/12/2010 20:00	16686	1_60	2010	255	2000	1.059073	24.34371	48.28538	2.595	12.56	2.842	14.47	23.38	24.31	0.9272802	0	13.95	74.27
9/12/2010 21:00	16687	1_60	2010	255	2100	1.348063	202.5809	53.49547	0.123	2.057	0.335	2.792	20.71	22.66	1.947128	0	17.6	70
9/12/2010 22:00	16688	1_60	2010	255	2200	1.885541	140.7908	20.0705	0.052	0.676	2.099	4.925	17.56	20.66	3.099088	0	23.02	64.13
9/12/2010 23:00	16689	1_60	2010	255	2300	2.168787	144.185	14.85905	-0.077	4.831	2.667	7.173	17.32	19.88	2.559864	0	24.02	63.52
9/13/2010 0:00	16690	1_60	2010	256	0	3.962363	121.7493	3.990914	1.522	4.184	10.15	7.715	16.3	18.78	2.482102	0	28.07	61.79
9/13/2010 1:00	16691	1_60	2010	256	100	3.484192	132.6427	3.603255	0.519	2.647	10.93	7.574	15.12	17.88	2.759015	0	31.24	59.61
9/13/2010 2:00	16692	1_60	2010	256	200	1.15993	148.2853	16.7336	0.233	2.097	1.122	4.487	12.71	14.77	2.056244	0	37.2	55.61
9/13/2010 3:00	16693	1_60	2010	256	300	0.5740345	204.9234	42.58693	-0.013	0.344	0.02	0.871	13.74	14.77	1.032599	0	36.56	56.71
9/13/2010 4:00	16694	1_60	2010	256	400	0.5871143	15.94081	37.29906	-0.001	0.047	0	0.011	13.24	14.28	1.036151	0	39.06	56.04
9/13/2010 5:00	16695	1_60	2010	256	500	0.7405446	142.4864	24.585	0	0.021	0	0.005	13.01	14.17	1.152735	0	41.12	55.62
9/13/2010 6:00	16696	1_60	2010	256	600	0.8785583	143.7536	18.39402	-0.001	0.089	0	0.04	11.71	13.83	2.122594	0	44.58	53.67
9/13/2010 7:00	16697	1_60	2010	256	700	0.8597913	138.2547	18.2515	-0.003	0.122	0.001	0.256	10.47	13.12	2.649958	0	48.63	51.58
9/13/2010 8:00	16698	1_60	2010	256	800	0.6591985	347.0497	29.68878	1.574	9.01	1.391	8.96	15.75	15.54	-0.2138953	0	32.95	62.56
9/13/2010 9:00	16699	1_60	2010	256	900	1.121704	232.4812	58.18503	3.251	21.34	3.784	21.31	18.94	18.37	-0.5744988	0	26.73	67.8
9/13/2010 10:00	16700	1_60	2010	256	1000	2.648259	310.5978	26.71868	2.12	27.98	-0.679	29.26	20.79	20.11	-0.6817183	0	23.94	70.47
9/13/2010 11:00	16701	1_60	2010	256	1100	1.725063	304.749	37.81039	1.365	30.65	-0.933	29.53	23.05	22.39	-0.6616746	0	20.41	74.89
9/13/2010 12:00	16702	1_60	2010	256	1200	2.211033	301.2135	22.84997	2.244	25.45	-0.158	25.97	26.16	25.51	-0.6511611	0	15.27	79.8
9/13/2010 13:00	16703	1_60	2010	256	1300	4.671978	247.6162	32.5257	1.355	42.06	19.27	48.44	29.08	27.8	-1.280105	0	14.08	84.7
9/13/2010 14:00	16704	1_60	2010	256	1400	5.567509	222.1349	19.28149	0.117	39.38	29.89	41.64	30	28.52	-1.476488	0	13.12	85.9
9/13/2010 15:00	16705	1_60	2010	256	1500	4.425406	225.1051	28.18149	2.33	39.46	24.76	42.75	30.26	28.95	-1.308133	0	12.94	86.6
9/13/2010 16:00	16706	1_60	2010	256	1600	4.560148	216.6474	26.85406	0.487	35.12	25.39	40.47	30.05	28.92	-1.129261	0	12.35	86.2
9/13/2010 17:00	16707	1_60	2010	256	1700	4.031367	216.3396	26.8812	1.971	29.21	22.52	31.95	29.7	28.88	-0.8176255	0	11.85	85.8
9/13/2010 18:00	16708	1_60	2010	256	1800	4.325299	187.4832	15.27291	3.334	25.52	29.64	28.67	28.34	28.13	-0.2109226	0	12.08	83.3
9/13/2010 19:00	16709	1_60	2010	256	1900	4.796484	197.9485	7.813416	2.162	16.31	31.52	18.94	25.6	26.41	0.8106986	0	13.1	78.44
9/13/2010 20:00	16710	1_60	2010	256	2000	1.69397	171.7522	57.55729	-1.363	16.53	4.268	20.1	23.45	24.41	0.9598608	0	14.31	74.22
9/13/2010 21:00	16711	1_60	2010	256	2100	1.73078	334.7975	41.26568	0.223	8.99	-1.673	9.9	22.03	23.61	1.583381	0	15.63	71.97
9/13/2010 22:00	16712	1_60	2010	256	2200	2.584888	190.5887	22.31348	0.401	6.5	3.25	8.48	18.7	21.63	2.934135	0	20.89	66.1
9/13/2010 23:00	16713	1_60	2010	256	2300	2.600014	132.1754	8.121513	0.16	2.192	3.072	6.451	15.23	19.52	4.289958	0	25.84	60.42

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/11/2010 0:00	16642	1_60	2010	254	0	24.75	0.038	7.915	3.652	126.5	2336	13.35
9/11/2010 1:00	16643	1_60	2010	254	100	24.76	0.052	7.91	6.383	127.8	56	13.38
9/11/2010 2:00	16644	1_60	2010	254	200	24.77	0.057	7.905	5.564	130.8	100	13.4
9/11/2010 3:00	16645	1_60	2010	254	300	24.79	0.031	7.902	4.301	133.8	231	13.41
9/11/2010 4:00	16646	1_60	2010	254	400	24.79	0.023	7.899	3.413	97.5	334	13.44
9/11/2010 5:00	16647	1_60	2010	254	500	24.8	0.056	7.896	3.174	93.9	408	13.47
9/11/2010 6:00	16648	1_60	2010	254	600	24.81	1.206	7.894	3.379	98.1	522	13.49
9/11/2010 7:00	16649	1_60	2010	254	700	24.83	86.7	7.891	2.731	110.3	611	13.49
9/11/2010 8:00	16650	1_60	2010	254	800	24.84	292.4	7.888	1.707	280.9	758	13.41
9/11/2010 9:00	16651	1_60	2010	254	900	24.83	502.1	7.884	2.935	317.8	821	13.28
9/11/2010 10:00	16652	1_60	2010	254	1000	24.82	685.4	7.88	3.174	278.4	944	13.19
9/11/2010 11:00	16653	1_60	2010	254	1100	24.81	822	7.875	4.54	32.58	1020	13.13
9/11/2010 12:00	16654	1_60	2010	254	1200	24.79	900	7.87	4.54	317.3	1148	13.07
9/11/2010 13:00	16655	1_60	2010	254	1300	24.77	918	7.862	5.666	10.66	1238	13.02
9/11/2010 14:00	16656	1_60	2010	254	1400	24.75	872	7.847	7.134	335.3	1318	12.99
9/11/2010 15:00	16657	1_60	2010	254	1500	24.74	754.9	7.831	7.475	52.93	1429	12.97
9/11/2010 16:00	16658	1_60	2010	254	1600	24.72	590.3	7.809	6.929	56.96	1510	12.96
9/11/2010 17:00	16659	1_60	2010	254	1700	24.71	387.8	7.788	5.632	323.9	1637	12.96
9/11/2010 18:00	16660	1_60	2010	254	1800	24.71	173.4	7.767	3.789	292	1702	12.97
9/11/2010 19:00	16661	1_60	2010	254	1900	24.72	10.97	7.753	2.97	248.1	1843	13.01
9/11/2010 20:00	16662	1_60	2010	254	2000	24.74	0.022	7.739	1.946	191.5	1928	13.1
9/11/2010 21:00	16663	1_60	2010	254	2100	24.76	0.025	7.728	3.072	216.1	2042	13.17
9/11/2010 22:00	16664	1_60	2010	254	2200	24.76	0.034	7.718	4.028	132.6	2158	13.22
9/11/2010 23:00	16665	1_60	2010	254	2300	24.76	0.015	7.708	6.997	134.6	2236	13.26
9/12/2010 0:00	16666	1_60	2010	255	0	24.77	0.034	7.695	6.588	129.8	2323	13.26
9/12/2010 1:00	16667	1_60	2010	255	100	24.78	0.025	7.686	5.939	121.3	0	13.27
9/12/2010 2:00	16668	1_60	2010	255	200	24.79	0.045	7.681	2.662	122.6	101	13.3
9/12/2010 3:00	16669	1_60	2010	255	300	24.79	0.045	7.677	2.185	95.4	247	13.34
9/12/2010 4:00	16670	1_60	2010	255	400	24.79	0.05	7.673	2.423	134.6	305	13.37
9/12/2010 5:00	16671	1_60	2010	255	500	24.8	0.033	7.669	3.277	107.9	433	13.4
9/12/2010 6:00	16672	1_60	2010	255	600	24.81	0.761	7.665	3.959	92.8	524	13.42
9/12/2010 7:00	16673	1_60	2010	255	700	24.83	82.7	7.662	2.697	102.5	610	13.43
9/12/2010 8:00	16674	1_60	2010	255	800	24.84	283.7	7.659	1.195	313.8	752	13.35
9/12/2010 9:00	16675	1_60	2010	255	900	24.84	477.6	7.657	3.686	317.6	847	13.23
9/12/2010 10:00	16676	1_60	2010	255	1000	24.83	647.9	7.653	3.891	292.4	907	13.15
9/12/2010 11:00	16677	1_60	2010	255	1100	24.81	748	7.649	3.038	331	1016	13.08
9/12/2010 12:00	16678	1_60	2010	255	1200	24.78	809	7.643	3.379	338.1	1131	13.03
9/12/2010 13:00	16679	1_60	2010	255	1300	24.75	846	7.636	4.301	346.8	1242	12.98
9/12/2010 14:00	16680	1_60	2010	255	1400	24.73	828	7.626	8.7	168.2	1359	12.94
9/12/2010 15:00	16681	1_60	2010	255	1500	24.71	764.8	7.607	8.4	225.3	1405	12.93
9/12/2010 16:00	16682	1_60	2010	255	1600	24.71	572.8	7.581	9.63	204.3	1519	12.92
9/12/2010 17:00	16683	1_60	2010	255	1700	24.71	162.1	7.55	9.32	241.4	1605	12.93
9/12/2010 18:00	16684	1_60	2010	255	1800	24.71	66.88	7.525	8.23	215.3	1708	12.96
9/12/2010 19:00	16685	1_60	2010	255	1900	24.71	5.475	7.495	8.06	223.2	1811	12.99
9/12/2010 20:00	16686	1_60	2010	255	2000	24.72	0.03	7.48	3.174	27.57	1905	13.03
9/12/2010 21:00	16687	1_60	2010	255	2100	24.72	0.034	7.471	3.004	239.4	2018	13.07
9/12/2010 22:00	16688	1_60	2010	255	2200	24.72	0.022	7.46	2.765	93.7	2142	13.11
9/12/2010 23:00	16689	1_60	2010	255	2300	24.73	0.036	7.451	3.345	136.1	2236	13.15
9/13/2010 0:00	16690	1_60	2010	256	0	24.72	0.049	7.443	5.188	120.7	2328	13.17
9/13/2010 1:00	16691	1_60	2010	256	100	24.72	0.026	7.436	4.608	129.8	17	13.19
9/13/2010 2:00	16692	1_60	2010	256	200	24.73	0.029	7.431	3.789	127.2	100	13.22
9/13/2010 3:00	16693	1_60	2010	256	300	24.73	0.057	7.428	1.502	143.5	231	13.24
9/13/2010 4:00	16694	1_60	2010	256	400	24.73	0.057	7.425	1.434	334.2	326	13.24
9/13/2010 5:00	16695	1_60	2010	256	500	24.73	0.043	7.423	1.775	120.8	457	13.25
9/13/2010 6:00	16696	1_60	2010	256	600	24.74	0.594	7.419	1.604	110.4	526	13.26
9/13/2010 7:00	16697	1_60	2010	256	700	24.75	62.59	7.415	1.707	134.4	636	13.29
9/13/2010 8:00	16698	1_60	2010	256	800	24.75	304	7.411	1.604	313.6	730	13.25
9/13/2010 9:00	16699	1_60	2010	256	900	24.75	455.2	7.408	3.447	280	815	13.15
9/13/2010 10:00	16700	1_60	2010	256	1000	24.75	560.5	7.403	5.803	313.6	932	13.08
9/13/2010 11:00	16701	1_60	2010	256	1100	24.73	761.2	7.398	4.096	334.9	1055	13.03
9/13/2010 12:00	16702	1_60	2010	256	1200	24.7	604.7	7.39	4.574	321.4	1115	12.99
9/13/2010 13:00	16703	1_60	2010	256	1300	24.68	903	7.378	10.27	208.9	1236	12.95
9/13/2010 14:00	16704	1_60	2010	256	1400	24.67	846	7.358	10.99	237	1329	12.93
9/13/2010 15:00	16705	1_60	2010	256	1500	24.65	732.7	7.331	10.17	217.4	1459	12.91
9/13/2010 16:00	16706	1_60	2010	256	1600	24.64	558.3	7.304	9.97	203.8	1500	12.91
9/13/2010 17:00	16707	1_60	2010	256	1700	24.64	361	7.278	9.22	187.2	1654	12.91
9/13/2010 18:00	16708	1_60	2010	256	1800	24.63	153	7.252	7.68	206	1755	12.93
9/13/2010 19:00	16709	1_60	2010	256	1900	24.64	7.697	7.228	7.168	202.9	1846	12.97
9/13/2010 20:00	16710	1_60	2010	256	2000	24.67	0.025	7.208	5.939	210.5	1905	13.02
9/13/2010 21:00	16711	1_60	2010	256	2100	24.68	0.021	7.197	4.779	323.1	2055	13.07
9/13/2010 22:00	16712	1_60	2010	256	2200	24.69	0.018	7.185	4.233	290.2	2103	13.11
9/13/2010 23:00	16713	1_60	2010	256	2300	24.68	0.024	7.173	4.608	135.5	2248	13.16

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/14/2010 0:00	16714	1_60	2010	257	0	3.465068	132.4118	12.78227	3.028	10.1	13.5	14.58	15.17	18	2.833381	0	26.71	59.63
9/14/2010 1:00	16715	1_60	2010	257	100	2.858527	51.03579	39.43538	2.102	9.6	6.405	14.12	13.7	15.63	1.934285	0	30.05	57.29
9/14/2010 2:00	16716	1_60	2010	257	200	1.741122	127.8602	29.97324	0.42	2.879	-0.737	3.848	10.54	12.55	2.006087	0	37.91	51.44
9/14/2010 3:00	16717	1_60	2010	257	300	1.549318	128.5695	11.90839	-0.002	0.182	0.079	0.594	10.38	13.78	3.392635	0	38.4	51.24
9/14/2010 4:00	16718	1_60	2010	257	400	0.8996677	131.4815	33.35857	-0.141	2.245	-0.185	2.039	9.84	13.36	3.51984	0	40.16	50.45
9/14/2010 5:00	16719	1_60	2010	257	500	0.8150766	141.0479	23.22207	-0.238	2.654	-0.188	3.434	8.89	12.17	3.283763	0	45.19	48.48
9/14/2010 6:00	16720	1_60	2010	257	600	0.9642043	209.5763	20.10562	-0.02	0.355	0.002	0.561	8.09	9.7	1.613107	0	48.71	46.85
9/14/2010 7:00	16721	1_60	2010	257	700	1.691648	113.112	34.18412	-0.247	3.444	-0.616	5.39	8.6	9.42	0.8180495	0	47.73	48.2
9/14/2010 8:00	16722	1_60	2010	257	800	0.3761769	2.742728	31.61783	1.326	6.474	1.201	7.606	14.12	13.92	-0.1939494	0	31.75	60.48
9/14/2010 9:00	16723	1_60	2010	257	900	1.314924	303.3961	24.94253	2.881	18.34	2.369	18.71	17.16	16.62	-0.5380304	0	28.23	64.85
9/14/2010 10:00	16724	1_60	2010	257	1000	1.186671	289.1106	44.53072	5.89	27	4.735	28.14	19.84	19.18	-0.6560546	0	23.29	69.7
9/14/2010 11:00	16725	1_60	2010	257	1100	1.161299	314.1205	47.33608	1.642	31.07	-0.061	32.69	22.95	22.33	-0.6209283	0	18.44	75.34
9/14/2010 12:00	16726	1_60	2010	257	1200	2.496448	304.4282	65.03339	0.743	47.5	6.446	50.66	26.97	26.16	-0.8152279	0	13.18	81.8
9/14/2010 13:00	16727	1_60	2010	257	1300	5.287296	189.8474	27.99297	4.888	47.22	36.02	52.44	29.8	28.36	-1.442094	0	10.41	85.5
9/14/2010 14:00	16728	1_60	2010	257	1400	5.733724	219.2162	25.02251	5.9	43.23	39.25	47.37	30.19	28.72	-1.468919	0	9.9	86.2
9/14/2010 15:00	16729	1_60	2010	257	1500	5.232808	220.8092	24.54337	0.066	40.72	26.54	44.36	30.2	28.92	-1.286651	0	10.23	86.2
9/14/2010 16:00	16730	1_60	2010	257	1600	5.316703	192.6786	23.86442	2.735	40.09	35.78	46.44	30.26	29.13	-1.134952	0	10.34	86.2
9/14/2010 17:00	16731	1_60	2010	257	1700	5.743452	191.8427	21.36248	3.543	39.09	40.48	43.06	29.67	28.91	-0.7537508	0	10.66	85.3
9/14/2010 18:00	16732	1_60	2010	257	1800	5.174798	189.9081	16.53254	2.016	32.07	34.68	35.83	28.3	28.13	-0.174392	0	11.28	83.2
9/14/2010 19:00	16733	1_60	2010	257	1900	3.849779	222.1221	9.471186	2.357	16.34	22.61	22.08	25.03	26.28	1.249807	0	13.58	77.63
9/14/2010 20:00	16734	1_60	2010	257	2000	2.251398	158.2169	17.03016	0.138	3.237	8.62	11.02	20.83	23.48	2.649988	0	18.72	69.7
9/14/2010 21:00	16735	1_60	2010	257	2100	1.906911	116.5391	18.2101	0.173	2.191	0.831	3.404	19.69	22.75	3.065302	0	20.28	67.71
9/14/2010 22:00	16736	1_60	2010	257	2200	1.405553	141.4166	17.30421	-0.026	0.764	0.043	0.65	19.14	21.82	2.678863	0	21.13	67.15
9/14/2010 23:00	16737	1_60	2010	257	2300	1.024138	183.0966	32.57276	-0.498	5.12	-0.684	4.884	19.55	21.32	1.766106	0	20.98	67.38
9/15/2010 0:00	16738	1_60	2010	258	0	1.259062	34.80811	21.19426	0.206	2.852	-0.275	2.427	16.24	19.34	3.098505	0	26.31	61.58
9/15/2010 1:00	16739	1_60	2010	258	100	1.10658	251.5888	38.97361	0.005	1.153	0.027	0.944	14.51	17.37	2.862013	0	29.75	58.72
9/15/2010 2:00	16740	1_60	2010	258	200	2.405314	117.3086	15.31764	0.239	4.479	0.669	5.246	13.21	15.9	2.689524	0	32.48	56.26
9/15/2010 3:00	16741	1_60	2010	258	300	2.776975	130.961	9.996405	0.453	3.659	3.965	6.795	13.08	16.15	3.064359	0	33.57	56
9/15/2010 4:00	16742	1_60	2010	258	400	1.676629	106.0919	25.31196	0.178	2.023	0.724	2.708	12.97	15.03	2.056518	0	34.56	55.56
9/15/2010 5:00	16743	1_60	2010	258	500	1.083559	118.5079	45.43053	-0.001	0.091	0.011	0.179	11.8	13.31	1.516408	0	38.74	53.53
9/15/2010 6:00	16744	1_60	2010	258	600	1.351905	308.8979	39.21744	-0.094	2.002	-0.153	2.669	9.66	11.13	1.470226	0	43.63	50.05
9/15/2010 7:00	16745	1_60	2010	258	700	1.718289	101.5383	45.58897	0.289	2.26	0.179	2.33	9.98	11.6	1.620356	0	44.53	50.51
9/15/2010 8:00	16746	1_60	2010	258	800	1.547827	100.3081	18.90882	1.168	8.8	0.745	11.06	15.33	15.01	-0.3203323	0	33.48	60.86
9/15/2010 9:00	16747	1_60	2010	258	900	1.043622	258.8604	35.78263	4.437	23.14	5.761	25.42	19.03	18.5	-0.5307985	BA	24.41	68.37
9/15/2010 10:00	16748	1_60	2010	258	1000	1.558178	310.9179	36.4071	-1.737	24.36	-4.073	26.9	20.94	20.26	-0.6861488	0	21.73	71.27
9/15/2010 11:00	16749	1_60	2010	258	1100	1.306877	338.6748	50.82642	4.911	28.81	2.249	30.47	24.08	23.46	-0.6177191	0	16.83	77.41
9/15/2010 12:00	16750	1_60	2010	258	1200	2.719649	295.0302	40.43148	-0.464	35.37	2.371	38.91	26.83	25.91	-0.9197076	0	13.62	81.5
9/15/2010 13:00	16751	1_60	2010	258	1300	2.593588	302.2506	56.45906	0.833	36.83	1.695	40.07	27.79	26.75	-1.044217	0	13.18	83
9/15/2010 14:00	16752	1_60	2010	258	1400	4.092692	253.082	26.77712	1.148	35.58	13.85	40.13	29.03	27.72	-1.307435	0	11.57	84.4
9/15/2010 15:00	16753	1_60	2010	258	1500	2.812039	253.4736	44.33335	4.017	36.56	12.17	40.57	29.4	28.31	-1.093352	0	10.33	85.6
9/15/2010 16:00	16754	1_60	2010	258	1600	3.467569	274.9384	37.23438	-0.806	31.15	3.895	34.94	29.46	28.52	-0.9411214	0	10.3	85.5
9/15/2010 17:00	16755	1_60	2010	258	1700	2.936079	288.4135	30.91918	2.816	27.65	6.247	31	29.16	28.53	-0.6308774	0	10.76	85.4
9/15/2010 18:00	16756	1_60	2010	258	1800	3.642608	294.5667	13.67806	2.597	16.37	3.747	19.23	28.08	27.9	-0.1761907	0	11.25	83.3
9/15/2010 19:00	16757	1_60	2010	258	1900	1.779391	249.5268	15.78333	0.301	4.047	1.978	4.883	22.78	24.87	2.089685	0	15.29	73.76
9/15/2010 20:00	16758	1_60	2010	258	2000	1.238776	205.9137	39.6741	0.216	2.554	0.466	4.694	21.75	24.65	2.904629	0	15.59	71.73
9/15/2010 21:00	16759	1_60	2010	258	2100	1.770942	139.3813	34.52796	-0.005	1.915	1.012	5.089	17.67	22.02	4.34211	0	21.2	64.79
9/15/2010 22:00	16760	1_60	2010	258	2200	1.135109	86.78507	55.68027	0.063	2.638	-0.077	3.316	17.23	19.8	2.578312	0	22.16	63.35
9/15/2010 23:00	16761	1_60	2010	258	2300	1.403621	176.5565	36.69236	0.04	3.028	1.485	5.947	14.53	18.12	3.589432	0	25.98	58.75
9/16/2010 0:00	16762	1_60	2010	259	0	1.662917	126.5213	44.43881	0.201	4.693	2.327	7.192	15.05	17.31	2.26059	0	27.1	59.55
9/16/2010 1:00	16763	1_60	2010	259	100	2.716288	125.7107	8.96412	0.863	4.122	4.862	6.435	13.41	15.94	2.525712	0	32.22	56.78
9/16/2010 2:00	16764	1_60	2010	259	200	1.285369	43.69619	45.15239	0.136	1.725	1.604	5.574	11.25	13.33	2.075837	0	37.19	52.8
9/16/2010 3:00	16765	1_60	2010	259	300	1.25314	121.4299	18.46662	-0.016	0.41	-0.029	0.91	10.13	12.06	1.927733	0	40.7	50.8
9/16/2010 4:00	16766	1_60	2010	259	400	1.674789	95.03615	5.271012	-0.002	0.14	0.005	0.227	9.89	12.81	2.921023	0	42.06	50.21
9/16/2010 5:00	16767	1_60	2010	259	500	2.150964	110.2009	14.67881	-0.015	0.677	-0.005	0.578	8.74	11.39	2.650292	0	45.62	48.12
9/16/2010 6:00	16768	1_60	2010	259	600	1.65802	110.4359	17.49324	-0.055	1.835	-0.068	3.297	8.42	11.11	2.691051	0	46.57	47.62
9/16/2010 7:00	16769	1_60	2010	259	700	1.427817	175.7175	35.82444	0.001	0.244	0.048	0.441	9.44	10.78	1.342476	0	45.43	49.68
9/16/2010 8:00	16770	1_60	2010	259	800	0.8921008	283.7133	27.73467	0.884	8.9	0.408	9.8	14.46	14.14	-0.3223235	0	32.41	59.78
9/16/2010 9:00	16771	1_60	2010	259	900	0.6461988	327.969	50.2234	1.262	22.86	-0.697	23.53	17.43	17.01	-0.4169806	0	26.54	66.04
9/16/2010 10:00	16772	1_60	2010	259	1000	1.082336	322.9377	46.82148	2.627	27.89	0.353	28.91	20.33	19.87	-0.4565503	0	22.63	70.78
9/16/2010 11:00	16773	1_60	2010	259	1100	1.205556	331.6964	71.48546	1.673	31.09	-0.9	32.91	23.75	23.11	-0.6323452	0	18.2	76.73
9/16/2010 12:00	16774	1_60	2010	259	1200	2.833997	313.1236	39.77157	4.5	34.68	1.921	36.62	27.49	26.51	-0.974447	0	14.76	82.5
9/16/2010 13:00	16775	1_60	2010	259	1300	3.723106	270.6389	40.98005	1.043	36.97	7.002	40.38	28.9	27.69	-1.202039	0	13.63	84.4
9/16/2010 14:00	16776	1_60	2010	259	1400	3.80281	307.0842	36.58184	5.702	41.23	3.103	41.18	29.71	28.62	-1.088512	0	12.69	85.9
9/16/2010 15:00	16777	1_60	2010	259	1500	4.636911	298.5383	20.46804	5.842	36.75	4.924	41.41	30.31	29.16	-1.148477	0	12.41	86.7
9/16/2010 16:00	16778	1_60	2010	259	1600	3.870309	287.6682	22.81124	1.085	31.83	3.511	36.07	30.38	29.44	-0.9462578	0	11.95	86.9
9/16/2010 17:00	16779	1_60	2010	259	1700	3.245327	269.7402	30.4682	1.259	30.09	5.042	32.46	30.02	29.39	-0.632795	0	11.74	87
9/16/2010 18:00	16780	1_60	2010	259	1800	3.74581	309.1764	9.152515	2.108	14.19	-1.098	16.64	28.8	28.66	-0.1455992	0	12.64	84.6
9/16/2010 19:00	16781	1_60	2010	259	1900	2.026867	281.3971	18.94222	0.288	3.855	0.11	5.129	23.98	26.01	2.031758	0	17.38	75.88
9/16/2010 20:00	16782	1_60	2010	259	2000	1.099404	132.4756	42.49931	0.006	0.318	0.062	1.013	21.06	24.37	3.30713	0	20.65	70.78
9/16/2010 21:00	16783	1_60	2010	259	2100	1.722422	187.3473	38.07202	0.039	0.498	0.473	2.274	19.05	22.75	3.695879	0	23.69	66.87
9/16/2010 22:00	16784	1_60	2010	259	2200	2.988192	129.7253	11.19797	0.861	4.092	8.14	10.34	17.09	21.34	4.258218	0	26.04	63.49
9/16/2010 23:00	16785	1_60	2010	259	2300	3.629405	120.6074	7.718746	2.355	7.857	10.69	9.58	17.07	19.71	2.637384	0	26.92	63.14

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/14/2010 0:00	16714	1_60	2010	257	0	24.68	0.024	7.163	6.622	131.9	2353	13.2
9/14/2010 1:00	16715	1_60	2010	257	100	24.7	0.042	7.154	5.905	139.8	1	13.23
9/14/2010 2:00	16716	1_60	2010	257	200	24.7	0.021	7.148	5.052	18.56	102	13.27
9/14/2010 3:00	16717	1_60	2010	257	300	24.7	0.048	7.142	2.458	137.6	200	13.31
9/14/2010 4:00	16718	1_60	2010	257	400	24.7	0.052	7.137	2.935	100.8	344	13.33
9/14/2010 5:00	16719	1_60	2010	257	500	24.72	0.058	7.133	1.98	106.2	429	13.36
9/14/2010 6:00	16720	1_60	2010	257	600	24.73	0.819	7.131	1.98	119.9	549	13.38
9/14/2010 7:00	16721	1_60	2010	257	700	24.74	77.12	7.129	3.413	97.1	628	13.38
9/14/2010 8:00	16722	1_60	2010	257	800	24.75	275.7	7.127	1.399	18.84	732	13.29
9/14/2010 9:00	16723	1_60	2010	257	900	24.75	480.4	7.125	2.901	302.5	815	13.16
9/14/2010 10:00	16724	1_60	2010	257	1000	24.74	659.8	7.122	3.243	331.2	953	13.1
9/14/2010 11:00	16725	1_60	2010	257	1100	24.71	792	7.12	3.14	302.1	1039	13.04
9/14/2010 12:00	16726	1_60	2010	257	1200	24.68	868	7.116	9.42	196.1	1154	12.99
9/14/2010 13:00	16727	1_60	2010	257	1300	24.66	887	7.104	12.7	224.3	1242	12.95
9/14/2010 14:00	16728	1_60	2010	257	1400	24.64	835	7.081	11.91	214.2	1333	12.93
9/14/2010 15:00	16729	1_60	2010	257	1500	24.62	721.4	7.053	10.68	249.8	1426	12.92
9/14/2010 16:00	16730	1_60	2010	257	1600	24.61	561.2	7.023	10.85	165.1	1558	12.91
9/14/2010 17:00	16731	1_60	2010	257	1700	24.61	349.1	6.989	11.47	205.8	1621	12.92
9/14/2010 18:00	16732	1_60	2010	257	1800	24.61	151	6.959	10.07	217.6	1738	12.94
9/14/2010 19:00	16733	1_60	2010	257	1900	24.62	5.313	6.934	8.06	213.1	1808	12.97
9/14/2010 20:00	16734	1_60	2010	257	2000	24.64	0.038	6.915	4.642	219.6	1918	13.03
9/14/2010 21:00	16735	1_60	2010	257	2100	24.64	0.018	6.901	3.379	141	2026	13.09
9/14/2010 22:00	16736	1_60	2010	257	2200	24.65	0.023	6.892	2.492	143	2155	13.13
9/14/2010 23:00	16737	1_60	2010	257	2300	24.64	0.046	6.885	2.185	128.4	2200	13.16
9/15/2010 0:00	16738	1_60	2010	258	0	24.64	0.024	6.879	2.662	1.301	2358	13.18
9/15/2010 1:00	16739	1_60	2010	258	100	24.65	0.047	6.874	2.355	269.2	21	13.21
9/15/2010 2:00	16740	1_60	2010	258	200	24.65	0.024	6.868	3.857	116.3	120	13.24
9/15/2010 3:00	16741	1_60	2010	258	300	24.66	0.015	6.863	4.335	126.2	202	13.26
9/15/2010 4:00	16742	1_60	2010	258	400	24.67	0.029	6.858	3.038	90.1	329	13.26
9/15/2010 5:00	16743	1_60	2010	258	500	24.68	0.029	6.855	2.423	95.8	415	13.28
9/15/2010 6:00	16744	1_60	2010	258	600	24.7	0.759	6.853	2.321	296.1	531	13.3
9/15/2010 7:00	16745	1_60	2010	258	700	24.72	65.67	6.85	2.867	84.8	642	13.33
9/15/2010 8:00	16746	1_60	2010	258	800	24.73	259.9	6.846	3.652	91.7	703	13.28
9/15/2010 9:00	16747	1_60	2010	258	900	24.74	467.9	6.843	3.413	293.9	858	13.13
9/15/2010 10:00	16748	1_60	2010	258	1000	24.73	651.3	6.84	3.174	293.9	901	13.06
9/15/2010 11:00	16749	1_60	2010	258	1100	24.71	790.9	6.833	5.7	8.91	1050	13.02
9/15/2010 12:00	16750	1_60	2010	258	1200	24.69	865	6.824	7.646	284.3	1155	12.97
9/15/2010 13:00	16751	1_60	2010	258	1300	24.66	876	6.811	6.246	280.8	1207	12.94
9/15/2010 14:00	16752	1_60	2010	258	1400	24.64	830	6.787	8.98	303.9	1335	12.92
9/15/2010 15:00	16753	1_60	2010	258	1500	24.63	721.1	6.761	11.64	230.2	1445	12.91
9/15/2010 16:00	16754	1_60	2010	258	1600	24.62	554.9	6.736	8.74	265	1539	12.91
9/15/2010 17:00	16755	1_60	2010	258	1700	24.62	353.3	6.705	6.724	286	1615	12.92
9/15/2010 18:00	16756	1_60	2010	258	1800	24.63	145.8	6.678	6.656	300.5	1721	12.93
9/15/2010 19:00	16757	1_60	2010	258	1900	24.64	4.239	6.659	3.891	293.9	1802	12.98
9/15/2010 20:00	16758	1_60	2010	258	2000	24.66	0.028	6.645	2.901	27.29	1925	13.04
9/15/2010 21:00	16759	1_60	2010	258	2100	24.67	0.018	6.629	3.789	128.7	2035	13.11
9/15/2010 22:00	16760	1_60	2010	258	2200	24.68	0.029	6.619	2.253	145.2	2107	13.15
9/15/2010 23:00	16761	1_60	2010	258	2300	24.68	0.027	6.61	3.379	146	2258	13.2
9/16/2010 0:00	16762	1_60	2010	259	0	24.69	0.04	6.602	3.755	163.6	2303	13.23
9/16/2010 1:00	16763	1_60	2010	259	100	24.69	0.029	6.595	4.54	122.8	59	13.25
9/16/2010 2:00	16764	1_60	2010	259	200	24.69	0.035	6.589	4.642	122.2	103	13.27
9/16/2010 3:00	16765	1_60	2010	259	300	24.69	0.051	6.585	2.799	100.6	300	13.31
9/16/2010 4:00	16766	1_60	2010	259	400	24.71	0.053	6.58	2.765	100.6	300	13.33
9/16/2010 5:00	16767	1_60	2010	259	500	24.71	0.062	6.576	3.243	92.7	439	13.35
9/16/2010 6:00	16768	1_60	2010	259	600	24.72	0.75	6.572	3.072	102.2	515	13.36
9/16/2010 7:00	16769	1_60	2010	259	700	24.74	69.35	6.57	2.253	250.6	607	13.37
9/16/2010 8:00	16770	1_60	2010	259	800	24.75	263.6	6.565	1.98	319.8	735	13.29
9/16/2010 9:00	16771	1_60	2010	259	900	24.75	468.6	6.563	2.185	346.8	839	13.18
9/16/2010 10:00	16772	1_60	2010	259	1000	24.74	647.8	6.562	2.97	297.5	939	13.09
9/16/2010 11:00	16773	1_60	2010	259	1100	24.72	781.9	6.559	3.106	7.523	1056	13.03
9/16/2010 12:00	16774	1_60	2010	259	1200	24.71	854	6.552	7.919	302.3	1130	12.98
9/16/2010 13:00	16775	1_60	2010	259	1300	24.68	872	6.539	8.98	235.3	1207	12.94
9/16/2010 14:00	16776	1_60	2010	259	1400	24.66	820	6.518	9.18	307	1327	12.92
9/16/2010 15:00	16777	1_60	2010	259	1500	24.64	718.3	6.489	9.08	308.4	1421	12.91
9/16/2010 16:00	16778	1_60	2010	259	1600	24.63	547.2	6.463	8.64	272.2	1524	12.91
9/16/2010 17:00	16779	1_60	2010	259	1700	24.62	343.1	6.437	7.612	253.8	1620	12.91
9/16/2010 18:00	16780	1_60	2010	259	1800	24.62	135.5	6.405	5.871	305.3	1700	12.92
9/16/2010 19:00	16781	1_60	2010	259	1900	24.62	4.529	6.382	4.881	323.9	1802	12.97
9/16/2010 20:00	16782	1_60	2010	259	2000	24.64	0.035	6.368	2.219	110.5	1955	13.03
9/16/2010 21:00	16783	1_60	2010	259	2100	24.64	0.012	6.355	2.56	216.2	2011	13.09
9/16/2010 22:00	16784	1_60	2010	259	2200	24.65	0.037	6.346	4.813	122.8	2137	13.14
9/16/2010 23:00	16785	1_60	2010	259	2300	24.65	0.021	6.337	5.188	107.7	2259	13.17

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/17/2010 0:00	16786	1_60	2010	260	0	3.895876	110.6657	7.641339	5.152	9.84	8.78	10.87	15.72	17.42	1.701298	0	28.97	60.78
9/17/2010 1:00	16787	1_60	2010	260	100	1.419972	135.0404	44.23011	-0.715	4.975	-0.756	6.348	12.62	14.94	2.312098	0	35.21	55.07
9/17/2010 2:00	16788	1_60	2010	260	200	1.271862	131.86	26.79048	0.088	2.04	0.306	2.847	11.88	14.43	2.547866	0	37.15	54.04
9/17/2010 3:00	16789	1_60	2010	260	300	2.673998	136.3205	7.002197	0.319	2.074	3.314	5.251	10.51	15.22	4.713228	0	41.37	51.53
9/17/2010 4:00	16790	1_60	2010	260	400	1.589727	207.1079	42.90783	-0.193	3.005	0.77	4.316	9.11	11.41	2.304948	0	45.71	49
9/17/2010 5:00	16791	1_60	2010	260	500	1.751805	122.4738	14.5564	0.029	0.862	0.126	1.193	9.15	11.72	2.56868	0	45.39	48.95
9/17/2010 6:00	16792	1_60	2010	260	600	1.947672	102.6041	11.33097	-0.132	1.591	0.053	3.263	9.51	11.77	2.253804	0	44.83	49.52
9/17/2010 7:00	16793	1_60	2010	260	700	1.729128	137.7768	53.20445	0.201	1.941	0.196	1.416	8.56	10.07	1.506224	0	47.73	48.36
9/17/2010 8:00	16794	1_60	2010	260	800	0.3931853	36.19329	33.24668	1.219	9.47	1.161	9.5	13.26	13.02	-0.2477042	0	34.39	59.04
9/17/2010 9:00	16795	1_60	2010	260	900	0.6467963	22.00607	49.21308	5.171	24.3	4.176	24.62	17.56	17.18	-0.3799593	0	25.51	66.78
9/17/2010 10:00	16796	1_60	2010	260	1000	1.220747	314.9258	38.8994	2.139	26.73	0.775	26.84	20.23	19.62	-0.6145685	0	22.44	70.3
9/17/2010 11:00	16797	1_60	2010	260	1100	1.392465	324.0789	38.44155	2.222	30.27	0.124	30.84	23.33	22.54	-0.7937263	0	18.35	75.8
9/17/2010 12:00	16798	1_60	2010	260	1200	1.304572	3.737798	53.53827	-0.034	34.33	-2.502	35.35	26.93	26.15	-0.7717311	0	14.35	82.4
9/17/2010 13:00	16799	1_60	2010	260	1300	4.084608	228.4979	48.0226	2.662	42.24	19.21	46.26	30.68	29.43	-1.249676	0	11.64	87.5
9/17/2010 14:00	16800	1_60	2010	260	1400	5.79633	206.1517	20.12957	6.082	40.8	41.37	45.43	31.62	30.13	-1.496357	0	10.11	88.6
9/17/2010 15:00	16801	1_60	2010	260	1500	5.303026	199.8858	24.74908	0.958	37.14	30.86	42.42	31.6	30.22	-1.38266	0	8.91	88.6
9/17/2010 16:00	16802	1_60	2010	260	1600	5.415408	195.2688	25.44107	1.721	36.52	33.89	39.07	31.46	30.32	-1.139809	0	8.49	88.3
9/17/2010 17:00	16803	1_60	2010	260	1700	5.325658	194.1031	21.36468	-0.286	33.4	31.31	39.22	30.78	30.07	-0.7140162	0	8.74	87.4
9/17/2010 18:00	16804	1_60	2010	260	1800	5.090394	190.495	14.31789	2.787	30.28	36.1	33.49	29.44	29.42	-0.01583882	0	8.77	85.3
9/17/2010 19:00	16805	1_60	2010	260	1900	4.964449	190.383	7.584886	1.926	17.78	34.25	19.31	26.76	27.82	1.059758	0	10.29	80.5
9/17/2010 20:00	16806	1_60	2010	260	2000	2.919469	197.781	33.67482	1.074	10.31	18.54	18.53	23.47	25.1	1.6354	0	12.99	74.47
9/17/2010 21:00	16807	1_60	2010	260	2100	1.176826	263.9783	34.06957	-0.301	4.835	-0.18	8.5	23.27	24.56	1.291238	0	14.02	74.08
9/17/2010 22:00	16808	1_60	2010	260	2200	1.70646	144.1676	43.63948	0.307	5.102	4.419	10.12	20.36	22.74	2.372829	0	17.87	69.13
9/17/2010 23:00	16809	1_60	2010	260	2300	2.88036	121.0639	13.76128	1.861	6.746	8.5	13.16	16.64	19.3	2.66479	0	23.11	62.47
9/18/2010 0:00	16810	1_60	2010	261	0	3.468331	132.1118	12.83331	2.45	14.41	8.94	16.22	16.76	18.93	2.172004	0	23.2	62.63
9/18/2010 1:00	16811	1_60	2010	261	100	1.136977	168.2041	56.73027	-0.197	5.505	0.089	7.021	13.56	15.75	2.189612	0	29.27	57.1
9/18/2010 2:00	16812	1_60	2010	261	200	1.345136	101.465	53.99406	-0.007	5.115	-0.185	7.521	13.88	16.01	2.137488	0	28.49	57.62
9/18/2010 3:00	16813	1_60	2010	261	300	0.8950874	114.5214	23.25103	0.006	0.339	-0.008	0.461	12.11	14.68	2.56593	0	32.47	54.16
9/18/2010 4:00	16814	1_60	2010	261	400	1.352593	87.25557	16.01714	0.163	2.078	0.021	1.621	11.38	14.15	2.769492	0	34.24	52.71
9/18/2010 5:00	16815	1_60	2010	261	500	1.62843	169.9029	34.18493	0.075	1.693	0.136	2.41	9	12.01	3.016265	0	40.67	48.8
9/18/2010 6:00	16816	1_60	2010	261	600	1.971336	117.2817	26.25374	0.01	2.761	0.651	3.23	9.24	11.51	2.274159	0	40.85	48.8
9/18/2010 7:00	16817	1_60	2010	261	700	1.582069	263.0885	48.95691	-0.214	4.191	-0.083	3.925	8.15	9.62	1.471226	0	44.12	47.61
9/18/2010 8:00	16818	1_60	2010	261	800	0.9845462	321.519	31.57626	1.212	8.44	0.645	10.36	12.68	12.44	-0.2316648	0	33.95	56.61
9/18/2010 9:00	16819	1_60	2010	261	900	0.8291543	312.2257	35.80044	1.661	15.36	0.496	17.28	17.28	16.9	-0.37786	0	24.92	65.48
9/18/2010 10:00	16820	1_60	2010	261	1000	1.083529	305.8923	53.95054	2.709	26.26	2.793	28.97	21.04	20.41	-0.6358014	0	19.93	72.1
9/18/2010 11:00	16821	1_60	2010	261	1100	1.574768	325.2757	35.40779	-1.587	26.84	-5.098	26.9	24.03	23.31	-0.7178315	0	16.41	77.07
9/18/2010 12:00	16822	1_60	2010	261	1200	2.026089	290.9412	43.05431	0.366	38.88	1.376	39.23	28.49	27.66	-0.8339061	0	12.29	84.5
9/18/2010 13:00	16823	1_60	2010	261	1300	5.563665	210.1884	24.07429	3.39	44.08	35.35	48.43	31.2	29.81	-1.392468	0	9.94	88.1
9/18/2010 14:00	16824	1_60	2010	261	1400	5.584846	205.9902	22.64275	0.851	45.39	32.51	48.76	31.63	30.24	-1.392335	0	9.49	88.8
9/18/2010 15:00	16825	1_60	2010	261	1500	4.899624	209.6022	28.58851	2.124	43.38	28.17	49.23	31.83	30.57	-1.260191	0	9.31	89.1
9/18/2010 16:00	16826	1_60	2010	261	1600	4.916689	191.2303	20.00193	1.749	36.87	31.46	42.18	31.79	30.64	-1.150259	0	9.17	88.9
9/18/2010 17:00	16827	1_60	2010	261	1700	4.347089	192.6404	14.21518	1.332	25.7	27.76	29.06	31.24	30.47	-0.7700353	0	8.73	88.3
9/18/2010 18:00	16828	1_60	2010	261	1800	4.274215	197.3789	12.72152	1.96	18.78	27.82	21.71	29.63	29.6	-0.03077042	0	8.74	85.8
9/18/2010 19:00	16829	1_60	2010	261	1900	3.159292	163.6546	18.36354	2.444	14.21	17.66	20.68	25.66	26.75	1.096763	0	10.18	78.68
9/18/2010 20:00	16830	1_60	2010	261	2000	1.566145	88.47574	19.57343	-0.466	7.144	-0.931	8.95	24.17	25.46	1.294088	0	10.94	75.64
9/18/2010 21:00	16831	1_60	2010	261	2100	1.681771	134.8354	46.61775	-0.038	3.719	0.469	4.49	22.26	24.46	2.203737	0	11.88	72.65
9/18/2010 22:00	16832	1_60	2010	261	2200	1.763751	133.7381	23.4662	-0.181	4.466	0.894	5.223	18.52	21.9	3.381577	0	14.6	66.15
9/18/2010 23:00	16833	1_60	2010	261	2300	3.659635	121.6567	9.676691	3.034	10.13	11.27	12.8	17.32	19.12	1.80513	0	17.49	63.52
9/19/2010 0:00	16834	1_60	2010	262	0	3.828891	116.7765	12.51954	6.381	11.86	12.94	12.8	16.33	18.04	1.715576	0	19.83	61.81
9/19/2010 1:00	16835	1_60	2010	262	100	1.871328	156.5268	37.94831	1.055	7.19	3.293	8.25	13.4	15.46	2.055794	0	23.52	56.97
9/19/2010 2:00	16836	1_60	2010	262	200	1.205185	173.1169	40.71927	0.01	0.549	0.002	1.042	10.82	13.08	2.264871	0	28.61	51.78
9/19/2010 3:00	16837	1_60	2010	262	300	2.241338	114.5387	6.596274	0.046	1.142	0.833	2.569	9.32	12.44	3.120901	0	30.63	49.35
9/19/2010 4:00	16838	1_60	2010	262	400	1.270035	128.776	42.37085	-0.007	0.644	0.05	0.673	9.39	12.45	3.062786	0	31.09	49.3
9/19/2010 5:00	16839	1_60	2010	262	500	1.604918	136.0912	33.10819	-0.01	1.567	0.175	2.211	8.41	11.6	3.190709	0	32.72	47.64
9/19/2010 6:00	16840	1_60	2010	262	600	0.8292586	121.193	44.89223	-0.111	1.613	-0.045	0.452	9.04	11.56	2.515464	0	31.2	48.97
9/19/2010 7:00	16841	1_60	2010	262	700	0.4986892	106.5024	30.84114	0	0.011	0.001	0.047	9.44	10.93	1.492145	0	31.46	50.21
9/19/2010 8:00	16842	1_60	2010	262	800	0.5820863	342.7289	24.0225	-0.128	6.429	-0.396	6.869	12.88	12.67	-0.2114089	0	25.69	57.97
9/19/2010 9:00	16843	1_60	2010	262	900	0.7926863	336.6162	42.00706	0.846	17.1	0.437	18.94	16.99	16.63	-0.3562844	0	18.99	65.07
9/19/2010 10:00	16844	1_60	2010	262	1000	0.9197211	321.4678	59.98623	2.458	27.16	2.206	26.62	20.49	19.91	-0.5790164	0	15.17	71.3
9/19/2010 11:00	16845	1_60	2010	262	1100	1.712006	306.4974	36.31932	0.594	28.37	-0.806	28.57	23.56	22.78	-0.7792836	0	13.49	75.97
9/19/2010 12:00	16846	1_60	2010	262	1200	1.49273	311.0753	38.19587	2.779	28.08	-0.306	29.02	26.9	26.17	-0.7301433	0	11.87	82.1
9/19/2010 13:00	16847	1_60	2010	262	1300	4.888255	216.2923	34.85889	1.5	42.11	24.95	48.41	31.63	30.42	-1.206715	0	9.92	89.3
9/19/2010 14:00	16848	1_60	2010	262	1400	5.76473	214.9113	23.09834	6.545	42.53	39.14	44.83	32.64	31.18	-1.458924	0	9.3	90.5
9/19/2010 15:00	16849	1_60	2010	262	1500	6.163205	223.6655	18.93137	4.96	40.84	38.01	44.53	32.51	31.23	-1.279598	0	9.18	90.3
9/19/2010 16:00	16850	1_60	2010	262	1600	5.685003	216.9351	17.36126	3.401	39.04	35.2	42.85	32.17	31.09	-1.073497	0	9.4	89.8
9/19/2010 17:00	16851	1_60	2010	262	1700	5.404859	227.7047	15.25544	2.97	37.27	29.8	41.44	31.38	30.71	-0.6777679	0	9.92	88.8
9/19/2010 18:00	16852	1_60	2010	262	1800	4.900703	228.3337	13.8681	1.039	26.89	25.55	31.48	29.88	29.86	-0.02183085	0	10.68	86.4
9/19/2010 19:00	16853	1_60	2010	262	1900	2.99822	240.1902	15.21409	-0.274	17.84	11.54	22.27	27.68	28.8	1.120373	0	11.79	82.1
9/19/2010 20:00	16854	1_60	2010	262	2000	1.673382	203.3635	31.55472	-0.229	4.272	2.039	6.599	24.2	26.44	2.243503	0	14.17	76.43
9/19/2010 21:00	16855	1_60	2010	262	2100	1.990843	100.7063	17.7325	0.015	2.096	0.182	3.446	21.13	23.91	2.774932	0	17.81	70.47
9/19/2010 22:00	16856	1_60	2010	262	2200	4.044285	120.0083	6.074474	2.438	6.876	10.82	11.87	20.01	22.79	2.77698	0	20.01	68.41
9/19/2010 23:00	16857	1_60	2010	262	2300	4.397139	113.4045	6.331154	4.372	8.79	11.7	12.25	19.27	22.31	3.03778	0	21.95	67.16

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/17/2010 0:00	16786	1_60	2010	260	0	24.65	0.041	6.327	6.042	101.8	2314	13.19
9/17/2010 1:00	16787	1_60	2010	260	100	24.66	0.034	6.32	3.072	101.3	10	13.22
9/17/2010 2:00	16788	1_60	2010	260	200	24.66	0.032	6.313	3.038	149.5	158	13.26
9/17/2010 3:00	16789	1_60	2010	260	300	24.66	0.062	6.308	3.686	142.1	251	13.3
9/17/2010 4:00	16790	1_60	2010	260	400	24.67	0.063	6.303	2.935	246.1	331	13.32
9/17/2010 5:00	16791	1_60	2010	260	500	24.68	0.067	6.299	2.97	92.2	459	13.35
9/17/2010 6:00	16792	1_60	2010	260	600	24.7	0.681	6.296	2.867	89.7	501	13.36
9/17/2010 7:00	16793	1_60	2010	260	700	24.71	68.85	6.293	3.072	84	629	13.36
9/17/2010 8:00	16794	1_60	2010	260	800	24.72	262.7	6.29	1.57	75.24	749	13.3
9/17/2010 9:00	16795	1_60	2010	260	900	24.72	468.3	6.288	2.799	5.976	851	13.19
9/17/2010 10:00	16796	1_60	2010	260	1000	24.71	644.4	6.286	2.901	337.7	926	13.1
9/17/2010 11:00	16797	1_60	2010	260	1100	24.69	775.9	6.284	3.243	265.6	1018	13.03
9/17/2010 12:00	16798	1_60	2010	260	1200	24.66	852	6.279	4.676	287.4	1158	12.98
9/17/2010 13:00	16799	1_60	2010	260	1300	24.64	868	6.266	10.75	242.2	1252	12.93
9/17/2010 14:00	16800	1_60	2010	260	1400	24.62	819	6.246	12.6	238.1	1340	12.91
9/17/2010 15:00	16801	1_60	2010	260	1500	24.61	710.1	6.216	10.17	183.9	1415	12.9
9/17/2010 16:00	16802	1_60	2010	260	1600	24.59	545.6	6.184	9.73	184	1529	12.9
9/17/2010 17:00	16803	1_60	2010	260	1700	24.59	341.4	6.154	10.27	165.6	1654	12.91
9/17/2010 18:00	16804	1_60	2010	260	1800	24.59	129.4	6.125	10.38	186.8	1712	12.92
9/17/2010 19:00	16805	1_60	2010	260	1900	24.59	4.148	6.096	7.68	198.5	1841	12.96
9/17/2010 20:00	16806	1_60	2010	260	2000	24.61	0.029	6.073	5.53	194.2	1905	13.01
9/17/2010 21:00	16807	1_60	2010	260	2100	24.62	0.025	6.061	2.799	300.1	2018	13.06
9/17/2010 22:00	16808	1_60	2010	260	2200	24.63	0.012	6.052	4.062	180	2123	13.1
9/17/2010 23:00	16809	1_60	2010	260	2300	24.63	0.034	6.041	5.257	133.1	2238	13.14
9/18/2010 0:00	16810	1_60	2010	261	0	24.64	0.026	6.029	5.803	121.6	2322	13.17
9/18/2010 1:00	16811	1_60	2010	261	100	24.65	0.037	6.021	2.56	136.9	42	13.2
9/18/2010 2:00	16812	1_60	2010	261	200	24.65	0.019	6.014	2.492	21.82	124	13.24
9/18/2010 3:00	16813	1_60	2010	261	300	24.65	0.044	6.008	2.458	106.7	202	13.27
9/18/2010 4:00	16814	1_60	2010	261	400	24.67	0.061	6.002	2.97	95.8	326	13.3
9/18/2010 5:00	16815	1_60	2010	261	500	24.69	0.059	5.998	4.062	99.2	459	13.32
9/18/2010 6:00	16816	1_60	2010	261	600	24.7	0.6	5.993	3.994	103.3	500	13.35
9/18/2010 7:00	16817	1_60	2010	261	700	24.72	66.04	5.989	3.755	84.3	605	13.36
9/18/2010 8:00	16818	1_60	2010	261	800	24.73	262.4	5.985	2.253	332.6	727	13.3
9/18/2010 9:00	16819	1_60	2010	261	900	24.73	467.6	5.983	2.355	286.7	818	13.2
9/18/2010 10:00	16820	1_60	2010	261	1000	24.72	647.9	5.981	4.403	331.6	957	13.1
9/18/2010 11:00	16821	1_60	2010	261	1100	24.7	781.6	5.98	3.925	337.2	1000	13.03
9/18/2010 12:00	16822	1_60	2010	261	1200	24.68	856	5.973	10.21	229	1158	12.97
9/18/2010 13:00	16823	1_60	2010	261	1300	24.66	872	5.955	11.84	190.8	1210	12.93
9/18/2010 14:00	16824	1_60	2010	261	1400	24.65	820	5.932	11.16	217	1309	12.91
9/18/2010 15:00	16825	1_60	2010	261	1500	24.64	706.7	5.903	11.5	203.4	1417	12.9
9/18/2010 16:00	16826	1_60	2010	261	1600	24.63	541.5	5.872	10.31	216.5	1537	12.9
9/18/2010 17:00	16827	1_60	2010	261	1700	24.62	340.3	5.841	7.509	220.3	1610	12.9
9/18/2010 18:00	16828	1_60	2010	261	1800	24.63	130.4	5.811	7.168	173.7	1729	12.92
9/18/2010 19:00	16829	1_60	2010	261	1900	24.64	3.558	5.782	6.793	188.5	1815	12.96
9/18/2010 20:00	16830	1_60	2010	261	2000	24.65	0.025	5.764	2.799	82.8	1949	13.02
9/18/2010 21:00	16831	1_60	2010	261	2100	24.67	0.026	5.749	3.277	314.2	2049	13.07
9/18/2010 22:00	16832	1_60	2010	261	2200	24.68	0.02	5.738	4.267	121.3	2159	13.11
9/18/2010 23:00	16833	1_60	2010	261	2300	24.68	0.019	5.724	6.178	122.9	2259	13.16
9/19/2010 0:00	16834	1_60	2010	262	0	24.68	0.038	5.711	5.632	119.9	2317	13.18
9/19/2010 1:00	16835	1_60	2010	262	100	24.69	0.039	5.703	4.54	130.7	5	13.22
9/19/2010 2:00	16836	1_60	2010	262	200	24.69	0.03	5.697	3.072	117.5	159	13.27
9/19/2010 3:00	16837	1_60	2010	262	300	24.69	0.05	5.69	3.55	113.4	213	13.31
9/19/2010 4:00	16838	1_60	2010	262	400	24.7	0.055	5.684	2.355	128	311	13.34
9/19/2010 5:00	16839	1_60	2010	262	500	24.71	0.045	5.679	3.447	111.6	420	13.37
9/19/2010 6:00	16840	1_60	2010	262	600	24.72	0.54	5.675	1.707	117.6	534	13.39
9/19/2010 7:00	16841	1_60	2010	262	700	24.74	67.13	5.673	1.638	98.7	645	13.38
9/19/2010 8:00	16842	1_60	2010	262	800	24.74	264.3	5.671	1.536	16.41	725	13.31
9/19/2010 9:00	16843	1_60	2010	262	900	24.74	468.6	5.67	1.911	30.79	809	13.2
9/19/2010 10:00	16844	1_60	2010	262	1000	24.72	647.1	5.669	2.492	286.5	949	13.11
9/19/2010 11:00	16845	1_60	2010	262	1100	24.7	777.9	5.667	3.652	306.2	1048	13.04
9/19/2010 12:00	16846	1_60	2010	262	1200	24.66	848	5.661	4.813	10.12	1157	12.98
9/19/2010 13:00	16847	1_60	2010	262	1300	24.64	863	5.652	12.19	215.9	1253	12.93
9/19/2010 14:00	16848	1_60	2010	262	1400	24.62	811	5.628	10.85	210.8	1342	12.91
9/19/2010 15:00	16849	1_60	2010	262	1500	24.6	697.2	5.597	11.5	204.2	1419	12.89
9/19/2010 16:00	16850	1_60	2010	262	1600	24.58	530.9	5.558	11.61	214.6	1501	12.89
9/19/2010 17:00	16851	1_60	2010	262	1700	24.57	328.7	5.522	11.47	279.8	1613	12.9
9/19/2010 18:00	16852	1_60	2010	262	1800	24.56	117.9	5.497	10.38	218.8	1704	12.92
9/19/2010 19:00	16853	1_60	2010	262	1900	24.55	3.35	5.472	7.748	215.1	1806	12.95
9/19/2010 20:00	16854	1_60	2010	262	2000	24.56	0.026	5.46	3.447	218.3	1911	13
9/19/2010 21:00	16855	1_60	2010	262	2100	24.56	0.031	5.448	3.277	110.2	2041	13.06
9/19/2010 22:00	16856	1_60	2010	262	2200	24.55	0.012	5.434	6.417	125.2	2145	13.1
9/19/2010 23:00	16857	1_60	2010	262	2300	24.54	0.05	5.419	5.769	129.5	2200	13.12

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/20/2010 0:00	16858	1_60	2010	263	0	4.229725	108.7371	8.876657	7.259	12.7	13.08	14.65	18.82	20.57	1.743579	0	24.05	66.06
9/20/2010 1:00	16859	1_60	2010	263	100	1.59374	72.72431	37.21549	-0.156	16.03	-0.472	16.77	19.81	21.17	1.364988	0	22.78	67.69
9/20/2010 2:00	16860	1_60	2010	263	200	2.569182	290.918	30.10582	-0.097	25.86	1.048	29.06	17.36	18.21	0.8573619	0	25.84	63.59
9/20/2010 3:00	16861	1_60	2010	263	300	2.363154	280.7535	29.33279	0.071	16.94	0.483	18.59	16.54	17.46	0.9258783	0	26.7	61.96
9/20/2010 4:00	16862	1_60	2010	263	400	1.91285	263.5063	37.4562	0.315	11.05	0.804	11.12	14.83	15.73	0.8968194	0	30.01	59
9/20/2010 5:00	16863	1_60	2010	263	500	1.48058	131.7242	35.95105	0.015	1.487	0.665	3.068	14.29	16.54	2.25499	0	31.65	57.96
9/20/2010 6:00	16864	1_60	2010	263	600	1.902048	102.6764	51.55295	0.821	6.97	2.082	8.29	14.37	16.62	2.241866	0	34.11	57.79
9/20/2010 7:00	16865	1_60	2010	263	700	1.659217	30.45569	67.53822	1.43	10.34	0.529	12.25	17.18	18.58	1.397117	0	29.51	63.18
9/20/2010 8:00	16866	1_60	2010	263	800	3.696012	246.6772	45.05223	2.839	40.61	17.15	43.53	20.63	20.8	0.1754526	0	29.99	69.41
9/20/2010 9:00	16867	1_60	2010	263	900	2.466526	315.3476	40.2624	1.629	31.59	-1.719	32.23	21.04	20.99	-0.05308029	0	31.08	70.25
9/20/2010 10:00	16868	1_60	2010	263	1000	2.623677	37.6933	47.77764	5.627	24.67	5.208	28.49	21.5	21.48	-0.02465541	0	37.2	70.94
9/20/2010 11:00	16869	1_60	2010	263	1100	3.369402	166.9266	36.62418	3.977	40.84	15.06	45.77	25.69	24.71	-0.9810231	0	27.59	78.72
9/20/2010 12:00	16870	1_60	2010	263	1200	5.782309	207.6555	20.41194	2.426	45.03	36.44	50.13	27.54	26.51	-1.028149	0	24.87	81.5
9/20/2010 13:00	16871	1_60	2010	263	1300	6.107597	210.2962	25.08898	5.021	52.6	41.62	55.56	29.27	27.68	-1.590925	0	21.8	84.5
9/20/2010 14:00	16872	1_60	2010	263	1400	5.596077	209.6878	27.45048	5.856	47.25	37.72	50.16	29.72	28.38	-1.335454	0	19.82	85.2
9/20/2010 15:00	16873	1_60	2010	263	1500	4.770181	228.5965	30.51217	3.467	33.12	27.93	38.52	26.05	26.69	0.6353912	0.06	31.72	79.37
9/20/2010 16:00	16874	1_60	2010	263	1600	4.106709	217.8357	16.4073	0.824	17.74	21.7	25.73	22.91	24.15	1.239071	0.04	56.35	73.87
9/20/2010 17:00	16875	1_60	2010	263	1700	3.493051	241.1203	13.39405	0.3	16.77	12.26	19.45	26.18	27.14	0.9631016	0	32.76	79.7
9/20/2010 18:00	16876	1_60	2010	263	1800	5.551569	194.5824	13.79317	1.1	27.7	36.42	31.91	26.68	27.12	0.4386713	0	27.96	80.5
9/20/2010 19:00	16877	1_60	2010	263	1900	4.688993	197.5646	9.965569	2.178	19.29	32.72	22.89	24.46	25.74	1.281298	0	33.06	76.46
9/20/2010 20:00	16878	1_60	2010	263	2000	3.635354	194.8472	9.346886	2.203	12.97	24.27	15.34	22.35	24.03	1.682343	0	39.28	72.58
9/20/2010 21:00	16879	1_60	2010	263	2100	2.140016	165.6895	38.39111	1.121	9.04	10.45	15.19	21.04	22.14	1.103921	0	42.77	70.12
9/20/2010 22:00	16880	1_60	2010	263	2200	1.236077	44.05541	37.02106	0.685	12.72	-0.177	12.11	20.39	21.47	1.082869	0	43.46	68.67
9/20/2010 23:00	16881	1_60	2010	263	2300	1.452622	325.327	38.32184	-0.505	6.452	-0.16	7.781	20.04	21.61	1.578194	0	43.46	68.4
9/21/2010 0:00	16882	1_60	2010	264	0	1.715909	244.1129	30.78165	-0.232	3.794	0.12	4.766	18.43	20.38	1.952761	0	47.03	65.72
9/21/2010 1:00	16883	1_60	2010	264	100	1.301018	145.1421	26.66098	-0.043	1.294	0.435	3.03	16.27	19.1	2.827335	0	56.59	61.71
9/21/2010 2:00	16884	1_60	2010	264	200	1.427188	111.0327	17.95787	-0.023	0.571	-0.032	1.368	14.82	16.99	2.176561	0	61.72	59.22
9/21/2010 3:00	16885	1_60	2010	264	300	2.041173	114.4354	12.24903	-0.005	0.543	0.17	1.42	13.12	16.72	3.606238	0	68.69	56.23
9/21/2010 4:00	16886	1_60	2010	264	400	1.745762	115.0421	11.48553	-0.01	0.609	-0.002	0.339	11.91	14.97	3.057074	0	73.75	53.81
9/21/2010 5:00	16887	1_60	2010	264	500	1.565631	121.5713	17.10921	0.132	2.482	0.145	2.796	12.15	14.83	2.676665	0	72.28	54.18
9/21/2010 6:00	16888	1_60	2010	264	600	1.717612	134.0246	56.6908	0.197	3.466	0.734	3.855	11.66	13.91	2.252185	0	74.04	53.39
9/21/2010 7:00	16889	1_60	2010	264	700	1.418893	128.2368	30.94067	0.004	0.87	1.049	3.65	11.17	13.05	1.881786	0	75.57	53.03
9/21/2010 8:00	16890	1_60	2010	264	800	0.6267421	148.661	41.02453	0.695	6.778	0.475	7.381	15.53	15.42	-0.1098037	0	59.76	62.22
9/21/2010 9:00	16891	1_60	2010	264	900	0.782079	86.52217	52.1244	3.83	19.06	3.558	20.65	19.89	19.35	-0.53926	0	44.02	70.26
9/21/2010 10:00	16892	1_60	2010	264	1000	1.123894	330.3163	54.23483	-0.69	24.77	-1.727	23.61	23.02	22.55	-0.4704016	0	33.65	75.61
9/21/2010 11:00	16893	1_60	2010	264	1100	5.624764	222.0094	18.84858	1.101	41.78	31.46	44.33	26.59	25.59	-1.000553	0	18.89	80.1
9/21/2010 12:00	16894	1_60	2010	264	1200	7.697289	205.6847	20.78831	5.979	51.43	54.14	55.59	27.68	26.45	-1.225806	0	15.8	81.7
9/21/2010 13:00	16895	1_60	2010	264	1300	7.0466	215.7038	19.97499	-0.87	44.62	38.19	49.69	28.23	26.89	-1.333591	0	13.87	82.7
9/21/2010 14:00	16896	1_60	2010	264	1400	6.76416	220.8176	19.25568	5.445	47.35	43.48	50.69	28.82	27.48	-1.339685	0	12.72	83.6
9/21/2010 15:00	16897	1_60	2010	264	1500	6.803462	213.2517	18.64479	2.373	45.59	42.08	49.56	28.92	27.66	-1.252758	0	12.46	83.8
9/21/2010 16:00	16898	1_60	2010	264	1600	7.31615	210.0462	18.39901	0.509	44.48	45.5	46.81	29.02	28.05	-0.9719275	0	11.62	84
9/21/2010 17:00	16899	1_60	2010	264	1700	6.259376	213.4132	15.59354	2.574	39.36	39.84	42.36	28.56	27.94	-0.6232864	0	11.69	83.6
9/21/2010 18:00	16900	1_60	2010	264	1800	4.624854	206.9101	19.96777	2.889	31.83	28.56	34.28	27.22	27.28	0.06205713	0	12.71	81.4
9/21/2010 19:00	16901	1_60	2010	264	1900	3.324039	207.1711	15.81965	-0.278	21.87	15.42	25.31	25.16	26.45	1.29605	0	12.97	77.73
9/21/2010 20:00	16902	1_60	2010	264	2000	2.158037	128.3406	22.43229	0.301	6.722	5.13	11.63	20.45	23.05	2.599956	0	18.27	69.48
9/21/2010 21:00	16903	1_60	2010	264	2100	3.019655	112.2704	12.98352	2.089	16.73	4.482	18.54	18.73	21.03	2.30443	0	21.32	66.02
9/21/2010 22:00	16904	1_60	2010	264	2200	3.333529	101.8637	22.06954	4.114	17.2	7.295	21.33	19.28	21.09	1.809053	0	22.7	66.89
9/21/2010 23:00	16905	1_60	2010	264	2300	4.574459	162.505	25.13534	2.019	29.89	32.86	33.72	21.41	22.12	0.7155901	0	21.08	70.8
9/22/2010 0:00	16906	1_60	2010	265	0	3.317429	281.5654	23.44027	1.232	14.5	8.05	21.19	18.06	19.12	1.061648	0	24.11	65.14
9/22/2010 1:00	16907	1_60	2010	265	100	1.315029	198.0243	35.17501	-0.199	3.325	0.623	3.778	15.71	17.45	1.742696	0	25.96	60.58
9/22/2010 2:00	16908	1_60	2010	265	200	1.38507	145.7438	21.16404	0.444	4.095	0.279	3.35	15.76	17.91	2.14752	0	26.85	61.08
9/22/2010 3:00	16909	1_60	2010	265	300	1.233602	185.4722	43.93425	-0.237	2.976	0.284	3.031	14.84	16.79	1.947343	0	31.25	58.77
9/22/2010 4:00	16910	1_60	2010	265	400	1.454104	250.2821	36.79892	-0.569	6.068	0.476	7.551	14.55	15.78	1.229581	0	31.46	58.32
9/22/2010 5:00	16911	1_60	2010	265	500	3.099523	241.3069	48.84572	2.618	16.95	7.01	20.4	12.87	14.19	1.321207	0.03	45.24	55.52
9/22/2010 6:00	16912	1_60	2010	265	600	2.775456	89.47098	46.7654	0.241	11.55	2.971	19.01	12.72	14.24	1.518668	0	74.71	55.05
9/22/2010 7:00	16913	1_60	2010	265	700	3.654988	111.4089	34.14218	5.894	12.8	11.04	15.16	14.49	15.47	0.9791028	0	73.16	58.01
9/22/2010 8:00	16914	1_60	2010	265	800	4.942351	121.6309	8.517634	8.54	14.64	20.17	16.11	15.56	16.2	0.6402009	0	71.06	60.13
9/22/2010 9:00	16915	1_60	2010	265	900	2.847874	125.029	30.89195	2.909	10.61	8.09	14.3	16.27	16.22	-0.04380484	0	70.89	61.36
9/22/2010 10:00	16916	1_60	2010	265	1000	2.403631	139.4008	18.00534	1.896	18.91	7.02	20.16	17.95	17.36	-0.5861109	0	63.46	64.44
9/22/2010 11:00	16917	1_60	2010	265	1100	3.008104	134.8886	11.2718	3.735	14.44	10.23	16.59	18.18	17.77	-0.4122033	0	62.06	64.66
9/22/2010 12:00	16918	1_60	2010	265	1200	3.613003	142.7802	45.95872	6.308	35.06	19.64	39.84	18.55	18.3	-0.2479021	0	60.45	65.45
9/22/2010 13:00	16919	1_60	2010	265	1300	6.96477	182.4914	14.52727	7.197	37.05	56.47	37.94	16.2	16.38	0.1796457	0.03	77.06	61.42
9/22/2010 14:00	16920	1_60	2010	265	1400	4.514657	119.934	18.04966	11.91	23.27	21.13	26.4	15.84	15.87	0.02915761	0.02	83.4	60.69
9/22/2010 15:00	16921	1_60	2010	265	1500	5.431076	109.2924	10.37831	13.56	25.96	18.88	28.32	17.17	16.94	-0.2279391	0	69.94	62.98
9/22/2010 16:00	16922	1_60	2010	265	1600	4.889925	114.4357	10.32859	11.82	23.16	19.68	24.55	17.98	17.76	-0.2235125	0	64.59	64.41
9/22/2010 17:00	16923	1_60	2010	265	1700	4.094563	112.5586	8.949289	9.26	18.43	13.28	19.13	18.1	18.09	-0.01194836	0	64.07	64.67
9/22/2010 18:00	16924	1_60	2010	265	1800	4.639183	124.0451	14.2329	6.945	34.72	17.36	38.35	18.37	18.52	0.1466827	0	63.51	65.12
9/22/2010 19:00	16925	1_60	2010	265	1900	3.865398	268.7606	29.34154	3.381	29.68	12.07	33.67	16.87	17.14	0.2680517	0	66.73	62.62
9/22/2010 20:00	16926	1_60	2010	265	2000	1.881772	218.1638	35.47089	0.62	4.444	1.3	5.98	15.09	15.78	0.6890076	0	80.6	59.28
9/22/2010 21:00	16927	1_60	2010	265	2100	1.724319	216.9268	47.73692	-0.228	2.599	-0.002	4.119	14.31	15.77	1.458071	0	79.71	57.97
9/22/2010 22:00	16928	1_60	2010	265	2200	5.239155	247.9747	43.71853	3.094	34.62	14.76	39.09	12.29	12.69	0.4060018	0.3	86.2	54.18
9/22/2010 23:00	16929	1_60	2010	265	2300	3.567379	55.21748	60.26992	5.081	26.05	7.591	37.58	12.8	13.3	0.5050884	0.01	80.6	55.2

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/20/2010 0:00	16858	1_60	2010	263	0	24.53	0.055	5.409	7.236	105.4	2352	13.14
9/20/2010 1:00	16859	1_60	2010	263	100	24.53	0.048	5.402	4.403	254.9	55	13.16
9/20/2010 2:00	16860	1_60	2010	263	200	24.52	0.04	5.397	7.1	330.4	105	13.16
9/20/2010 3:00	16861	1_60	2010	263	300	24.53	0.054	5.389	5.632	340.9	258	13.18
9/20/2010 4:00	16862	1_60	2010	263	400	24.54	0.06	5.384	5.086	298.4	301	13.2
9/20/2010 5:00	16863	1_60	2010	263	500	24.54	0.046	5.381	3.345	166.5	440	13.22
9/20/2010 6:00	16864	1_60	2010	263	600	24.55	0.312	5.377	3.755	98.2	529	13.23
9/20/2010 7:00	16865	1_60	2010	263	700	24.56	54.21	5.375	3.959	229.4	658	13.22
9/20/2010 8:00	16866	1_60	2010	263	800	24.56	162	5.372	10.07	185.7	738	13.16
9/20/2010 9:00	16867	1_60	2010	263	900	24.58	172.2	5.369	5.871	270.6	809	13.11
9/20/2010 10:00	16868	1_60	2010	263	1000	24.56	216.1	5.369	6.895	165.3	913	13.09
9/20/2010 11:00	16869	1_60	2010	263	1100	24.55	740.6	5.366	9.01	181.8	1042	13.05
9/20/2010 12:00	16870	1_60	2010	263	1200	24.52	607.1	5.363	12.46	200.1	1158	12.99
9/20/2010 13:00	16871	1_60	2010	263	1300	24.48	877	5.35	11.57	202.4	1228	12.95
9/20/2010 14:00	16872	1_60	2010	263	1400	24.45	675.9	5.33	14.27	183.9	1329	12.93
9/20/2010 15:00	16873	1_60	2010	263	1500	24.45	147.9 AQ		12.77	189	1405	12.94
9/20/2010 16:00	16874	1_60	2010	263	1600	24.43	284.9 AQ		16.9	229.8	1502	13
9/20/2010 17:00	16875	1_60	2010	263	1700	24.42	210	5.341	8.12	249.1	1622	12.99
9/20/2010 18:00	16876	1_60	2010	263	1800	24.43	116.8	5.339	10.41	172	1723	13
9/20/2010 19:00	16877	1_60	2010	263	1900	24.44	5.263	5.331	9.42	194.7	1817	13.01
9/20/2010 20:00	16878	1_60	2010	263	2000	24.46	0.05	5.321	6.315	183.9	1942	13.05
9/20/2010 21:00	16879	1_60	2010	263	2100	24.47	0.027	5.313	6.315	194.8	2010	13.08
9/20/2010 22:00	16880	1_60	2010	263	2200	24.47	0.044	5.306	2.97	95.7	2113	13.11
9/20/2010 23:00	16881	1_60	2010	263	2300	24.48	0.061	5.303	3.755	244.8	2254	13.13
9/21/2010 0:00	16882	1_60	2010	264	0	24.49	0.052	5.3	3.379	328.6	2309	13.15
9/21/2010 1:00	16883	1_60	2010	264	100	24.5	0.051	5.297	2.594	228	35	13.17
9/21/2010 2:00	16884	1_60	2010	264	200	24.5	0.06	5.294	2.355	117.2	106	13.2
9/21/2010 3:00	16885	1_60	2010	264	300	24.5	0.045	5.292	3.243	107.5	256	13.23
9/21/2010 4:00	16886	1_60	2010	264	400	24.51	0.058	5.288	2.765	103.6	343	13.26
9/21/2010 5:00	16887	1_60	2010	264	500	24.52	0.072	5.286	3.311	96.7	439	13.28
9/21/2010 6:00	16888	1_60	2010	264	600	24.53	0.449	5.284	3.482	86.2	543	13.3
9/21/2010 7:00	16889	1_60	2010	264	700	24.54	57.76	5.283	2.731	192.1	601	13.3
9/21/2010 8:00	16890	1_60	2010	264	800	24.56	248	5.282	1.98	101.7	748	13.25
9/21/2010 9:00	16891	1_60	2010	264	900	24.56	451.6	5.279	2.594	33.84	857	13.15
9/21/2010 10:00	16892	1_60	2010	264	1000	24.55	630.3	5.276	4.164	210.5	957	13.07
9/21/2010 11:00	16893	1_60	2010	264	1100	24.54	760.8	5.268	11.33	220.3	1057	13.01
9/21/2010 12:00	16894	1_60	2010	264	1200	24.53	834	5.247	17.65	191.4	1139	12.98
9/21/2010 13:00	16895	1_60	2010	264	1300	24.51	853	5.219	14.57	201.5	1222	12.96
9/21/2010 14:00	16896	1_60	2010	264	1400	24.5	801	5.187	11.91	209.8	1358	12.94
9/21/2010 15:00	16897	1_60	2010	264	1500	24.47	683.9	5.157	13.96	197.8	1428	12.94
9/21/2010 16:00	16898	1_60	2010	264	1600	24.46	519	5.117	11.91	208.3	1523	12.93
9/21/2010 17:00	16899	1_60	2010	264	1700	24.45	319.1	5.085	11.54	249.3	1623	12.94
9/21/2010 18:00	16900	1_60	2010	264	1800	24.44	109.9	5.064	10.38	256.4	1731	12.95
9/21/2010 19:00	16901	1_60	2010	264	1900	24.43	2.563	5.049	8.94	194.5	1822	12.99
9/21/2010 20:00	16902	1_60	2010	264	2000	24.44	0.027	5.035	4.949	168.6	1903	13.04
9/21/2010 21:00	16903	1_60	2010	264	2100	24.44	0.026	5.024	5.086	116.3	2043	13.1
9/21/2010 22:00	16904	1_60	2010	264	2200	24.44	0.049	5.013	7.543	166.4	2155	13.13
9/21/2010 23:00	16905	1_60	2010	264	2300	24.43	0.027	5.004	9.49	166.7	2254	13.14
9/22/2010 0:00	16906	1_60	2010	265	0	24.44	0.04	4.994	8.16	174.5	2300	13.13
9/22/2010 1:00	16907	1_60	2010	265	100	24.45	0.024	4.989	3.379	285	0	13.17
9/22/2010 2:00	16908	1_60	2010	265	200	24.44	0.062	4.986	3.721	34.97	145	13.2
9/22/2010 3:00	16909	1_60	2010	265	300	24.43	0.057	4.983	3.345	88.9	206	13.21
9/22/2010 4:00	16910	1_60	2010	265	400	24.43	0.042	4.981	3.618	260.6	321	13.22
9/22/2010 5:00	16911	1_60	2010	265	500	24.45	0.045 AQ		7.066	67.36	455	13.23
9/22/2010 6:00	16912	1_60	2010	265	600	24.49	0.116	4.982	5.359	24.79	544	13.26
9/22/2010 7:00	16913	1_60	2010	265	700	24.51	5.982	4.982	6.383	102.4	657	13.25
9/22/2010 8:00	16914	1_60	2010	265	800	24.51	47.45	4.982	7.339	102.1	712	13.23
9/22/2010 9:00	16915	1_60	2010	265	900	24.5	128.7	4.982	4.676	121.8	802	13.21
9/22/2010 10:00	16916	1_60	2010	265	1000	24.5	317.2	4.982	4.13	99.9	949	13.17
9/22/2010 11:00	16917	1_60	2010	265	1100	24.48	189.8	4.982	4.369	133.9	1033	13.14
9/22/2010 12:00	16918	1_60	2010	265	1200	24.48	150.3	4.982	8.26	136.8	1113	13.13
9/22/2010 13:00	16919	1_60	2010	265	1300	24.48	112.2 AQ		11.95	199.3	1224	13.14
9/22/2010 14:00	16920	1_60	2010	265	1400	24.45	240.4 AQ		7.919	112.1	1343	13.18
9/22/2010 15:00	16921	1_60	2010	265	1500	24.43	237.4	5.001	7.714	93	1448	13.16
9/22/2010 16:00	16922	1_60	2010	265	1600	24.4	169.2	5.001	6.758	113.2	1552	13.15
9/22/2010 17:00	16923	1_60	2010	265	1700	24.38	89.3	5.001	7.441	116.1	1601	13.14
9/22/2010 18:00	16924	1_60	2010	265	1800	24.37	31.17	5.001	10.99	191.8	1757	13.1
9/22/2010 19:00	16925	1_60	2010	265	1900	24.41	0.773	5.001	11.57	204.5	1805	13.14
9/22/2010 20:00	16926	1_60	2010	265	2000	24.4	0.06	5.001	4.847	71.88	1915	13.17
9/22/2010 21:00	16927	1_60	2010	265	2100	24.44	0.061	5.001	6.212	303.4	2100	13.2
9/22/2010 22:00	16928	1_60	2010	265	2200	24.41	0.048 AQ		13.99	275.2	2105	13.23
9/22/2010 23:00	16929	1_60	2010	265	2300	24.45	0.058 AQ		12.15	155.4	2203	13.26

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/23/2010 0:00	16930	1_60	2010	266	0	2.09629	56.69332	62.25826	3.375	9.93	3.749	10.75	12.12	12.5	0.3835047	0	88.1	53.91
9/23/2010 1:00	16931	1_60	2010	266	100	0.8863025	169.9312	27.06183	0.177	3.747	0.249	3.988	11.83	12.18	0.3448282	0	90.1	53.39
9/23/2010 2:00	16932	1_60	2010	266	200	0.8709686	265.5258	38.24951	0	0.084	-0.003	0.101	11.13	11.75	0.6207417	0	92.3	52.36
9/23/2010 3:00	16933	1_60	2010	266	300	1.350824	137.1509	17.95928	-0.005	0.286	1.265	4.025	10.18	11.34	1.163349	0	94.9	50.53
9/23/2010 4:00	16934	1_60	2010	266	400	2.182455	243.6079	64.63313	1.345	8.94	2.784	9.32	10.16	10.97	0.8091628	0.12	94.3	50.37
9/23/2010 5:00	16935	1_60	2010	266	500	1.974342	116.4634	29.20834	-0.005	1.303	0.466	2.407	9.45	10.51	1.05278	0	94.1	49.25
9/23/2010 6:00	16936	1_60	2010	266	600	2.076152	128.623	24.68312	0.877	4.096	0.405	3.124	8.81	10.26	1.44689	0	94.7	48.13
9/23/2010 7:00	16937	1_60	2010	266	700	1.586943	120.0774	19.48958	0.394	2.635	0.036	1.585	8.85	9.54	0.689958	0	93.9	48.54
9/23/2010 8:00	16938	1_60	2010	266	800	1.340927	86.133	45.08126	1.841	9.59	0.627	7.631	11.93	11.68	-0.2508326	0	85.7	55.08
9/23/2010 9:00	16939	1_60	2010	266	900	1.1514	310.0426	31.42701	2.711	17.81	0.917	14.82	13.84	13.39	-0.4520757	0	77.99	58.61
9/23/2010 10:00	16940	1_60	2010	266	1000	1.227261	298.5293	26.63738	0.584	25.91	0.987	24.38	15.51	15.02	-0.4969578	0	67.85	61.6
9/23/2010 11:00	16941	1_60	2010	266	1100	1.92949	321.2351	33.7544	5.965	26.85	1.542	24.69	17.67	16.94	-0.734842	0	59.43	65.15
9/23/2010 12:00	16942	1_60	2010	266	1200	1.549306	281.3607	42.11479	4.801	32.22	7.346	33.09	19.47	18.64	-0.8283248	0	44.61	68.89
9/23/2010 13:00	16943	1_60	2010	266	1300	1.386203	280.483	61.04073	6.562	35.82	7.257	36.62	20.7	19.87	-0.8277419	0	37.83	71.01
9/23/2010 14:00	16944	1_60	2010	266	1400	1.118633	261.2935	70.93687	-3.312	26.89	-1.682	25.41	20.99	20.44	-0.5509249	0	35.83	71.06
9/23/2010 15:00	16945	1_60	2010	266	1500	1.874426	99.96894	54.72188	6.4	30.83	7.399	31.18	22.53	21.85	-0.6772329	0	29.44	73.66
9/23/2010 16:00	16946	1_60	2010	266	1600	3.92177	265.2203	18.84252	3.885	29.07	11.77	31.78	23.43	22.6	-0.8266831	0	21.99	74.46
9/23/2010 17:00	16947	1_60	2010	266	1700	3.378597	259.7938	22.12127	1.766	22.89	10.12	24.56	22.87	22.3	-0.573099	0	22.86	73.93
9/23/2010 18:00	16948	1_60	2010	266	1800	2.307829	247.9793	10.94489	-0.289	9.52	3.813	9.69	20.81	20.96	0.149361	0	30.47	70.87
9/23/2010 19:00	16949	1_60	2010	266	1900	1.711042	288.0531	45.13059	-0.373	7.036	1.595	8	17.78	18.82	1.038113	0	43.23	63.82
9/23/2010 20:00	16950	1_60	2010	266	2000	1.907433	272.0505	35.39391	0.372	3.124	2.689	5.526	15.28	17.73	2.451973	0	51.39	60.06
9/23/2010 21:00	16951	1_60	2010	266	2100	1.961082	153.4941	23.27655	0.046	4.476	0.199	4.649	13.61	16.7	3.094553	0	57.42	57.16
9/23/2010 22:00	16952	1_60	2010	266	2200	2.075332	149.8011	8.226782	0.004	0.568	0.08	0.573	11.83	15.67	3.845401	0	63.41	53.85
9/23/2010 23:00	16953	1_60	2010	266	2300	2.863126	134.898	15.08715	0.969	3.8	6.451	8.11	10.7	13.28	2.575087	0	68.06	51.82
9/24/2010 0:00	16954	1_60	2010	267	0	2.652636	126.3213	11.14168	0.766	8.1	3.866	8.36	10.98	12.57	1.589397	0	68.41	52.14
9/24/2010 1:00	16955	1_60	2010	267	100	2.77885	138.4044	9.324765	1.512	7.14	6.445	9.55	9.7	11.68	1.980041	0	72.13	50.01
9/24/2010 2:00	16956	1_60	2010	267	200	1.659804	119.9555	24.18981	0.378	3.574	0.971	4.297	8.13	9.87	1.745875	0	79.22	47.17
9/24/2010 3:00	16957	1_60	2010	267	300	0.985257	125.7569	14.92872	-0.072	1.205	-0.062	0.955	7.239	9.09	1.846826	0	84.2	45.38
9/24/2010 4:00	16958	1_60	2010	267	400	1.155403	138.2551	25.59394	-0.028	0.923	0.019	0.498	7.029	9.23	2.202434	0	82.7	45.22
9/24/2010 5:00	16959	1_60	2010	267	500	1.280932	143.638	32.62317	-0.152	2.049	0.269	3.184	6.583	9.15	2.571422	0	84.2	44.28
9/24/2010 6:00	16960	1_60	2010	267	600	0.6624683	150.3536	55.23877	-0.302	4.488	-0.133	4.524	6.735	8.99	2.254369	0	83.5	44.22
9/24/2010 7:00	16961	1_60	2010	267	700	1.540144	96.54942	23.16009	0.158	1.498	0.118	1.142	6.03	6.911	0.8813106	0	83.9	43.93
9/24/2010 8:00	16962	1_60	2010	267	800	0.6176138	25.21987	33.19425	-1.273	9.22	-0.994	7.858	9.41	9.2	-0.2107886	0	69.91	51.75
9/24/2010 9:00	16963	1_60	2010	267	900	0.8430927	359.5534	36.76996	2.688	19.8	0.248	18.18	12.62	12.26	-0.3530358	0	52.9	57.31
9/24/2010 10:00	16964	1_60	2010	267	1000	0.9770617	313.5146	39.11405	0.385	26.4	-0.482	24.83	14.96	14.47	-0.4857015	0	43.55	61.57
9/24/2010 11:00	16965	1_60	2010	267	1100	0.9787714	312.6702	41.26264	0.564	29.73	-1.163	30.8	17.37	16.78	-0.5986289	0	37.61	65.49
9/24/2010 12:00	16966	1_60	2010	267	1200	1.166817	294.4246	54.97499	1.895	26.95	3.403	27.51	20.48	19.77	-0.7181775	0	28.91	71.03
9/24/2010 13:00	16967	1_60	2010	267	1300	1.826071	332.0733	37.70543	2.559	26.83	1.487	29.06	22.84	22.05	-0.7869416	0	17.7	74.76
9/24/2010 14:00	16968	1_60	2010	267	1400	1.685327	277.1012	71.04059	0.995	33.32	0.481	35.13	23.99	23.16	-0.8335253	0	14.38	76.38
9/24/2010 15:00	16969	1_60	2010	267	1500	1.896898	258.4839	63.16172	2.996	34.22	4.69	34.04	24.71	23.85	-0.8630057	0	15.09	77.46
9/24/2010 16:00	16970	1_60	2010	267	1600	2.422434	271.8545	32.36412	7.747	28.81	12.02	30.97	25.17	24.4	-0.7706096	0	15.22	78.06
9/24/2010 17:00	16971	1_60	2010	267	1700	1.962007	234.7545	30.19195	2.298	20.06	9.61	21.24	24.96	24.41	-0.5519159	0	14.34	78.1
9/24/2010 18:00	16972	1_60	2010	267	1800	1.542083	237.8842	10.34746	0.471	5.429	1.821	5.935	22.35	22.53	0.1778749	0	21.61	74.03
9/24/2010 19:00	16973	1_60	2010	267	1900	1.293454	205.8038	24.60896	-0.765	6.585	0.015	6.133	17.53	20.24	2.704763	0	33.01	64.04
9/24/2010 20:00	16974	1_60	2010	267	2000	2.371409	267.0099	14.7402	0.569	6.971	3.823	9.87	17.82	20.42	2.595174	0	29.56	64.4
9/24/2010 21:00	16975	1_60	2010	267	2100	1.299215	254.2966	36.56446	-0.054	1.746	0.07	1.09	16.27	18.74	2.472986	0	34.15	62.01
9/24/2010 22:00	16976	1_60	2010	267	2200	2.182731	139.8086	17.95184	0.085	2.158	1.554	4.669	12.55	16.85	4.292178	0	47.46	55.27
9/24/2010 23:00	16977	1_60	2010	267	2300	4.092999	119.0754	8.181318	5.713	10.93	14.36	13.57	12.72	14.85	2.132835	0	49.79	55.17
9/25/2010 0:00	16978	1_60	2010	268	0	3.522078	104.2644	11.06989	3.299	8.01	4.396	8.05	12.1	13.94	1.841271	0	53.22	54.18
9/25/2010 1:00	16979	1_60	2010	268	100	2.021965	76.98991	27.04617	1.015	4.972	1.21	6.893	9.6	11.5	1.903606	0	64.34	49.63
9/25/2010 2:00	16980	1_60	2010	268	200	1.803571	129.2747	8.665346	0.073	1.34	0.316	1.569	8.68	10.81	2.132811	0	68.46	48.09
9/25/2010 3:00	16981	1_60	2010	268	300	2.567594	110.246	10.4937	0.649	4.778	0.993	4.947	8.05	9.42	1.37161	0	72.28	46.9
9/25/2010 4:00	16982	1_60	2010	268	400	1.596912	127.5682	25.62109	1.004	4.522	1.534	5.099	7.332	9.33	2.000093	0	76.13	45.49
9/25/2010 5:00	16983	1_60	2010	268	500	2.370245	95.78536	45.07642	2.522	6.657	2.573	6.971	7.016	8.15	1.138423	0	77.26	44.98
9/25/2010 6:00	16984	1_60	2010	268	600	0.9124411	28.57939	35.73412	-0.599	5.221	-0.391	2.715	7.589	8.62	1.028735	0	74.63	45.56
9/25/2010 7:00	16985	1_60	2010	268	700	1.617975	103.9574	23.9783	-0.017	0.387	-0.04	0.686	6.721	8.11	1.390554	0	77.99	44.71
9/25/2010 8:00	16986	1_60	2010	268	800	0.806882	88.48972	28.25266	2.099	10.29	1.998	9.74	10.89	10.56	-0.3226575	0	59.82	53.75
9/25/2010 9:00	16987	1_60	2010	268	900	0.7299663	133.9826	51.93719	4.64	20.93	5.006	21.54	14.82	14.27	-0.5583359	0	41.87	61.04
9/25/2010 10:00	16988	1_60	2010	268	1000	0.950525	352.289	37.62706	9.86	26.03	7.114	24.92	17.01	16.55	-0.4635282	0	35.39	65.13
9/25/2010 11:00	16989	1_60	2010	268	1100	1.032332	304.3253	51.93036	0.646	36.35	0.783	34.15	19.53	18.92	-0.6133969	0	31.11	69.49
9/25/2010 12:00	16990	1_60	2010	268	1200	1.656202	304.4516	36.99031	3.204	33.54	1.527	32.8	22.48	21.71	-0.7744643	0	25.52	74.07
9/25/2010 13:00	16991	1_60	2010	268	1300	2.40477	289.7666	29.00804	2.863	31.45	2.839	30.18	25.51	24.58	-0.9242121	0	17.34	78.8
9/25/2010 14:00	16992	1_60	2010	268	1400	3.112924	275.008	27.86566	-2.398	34.73	-1.979	37.11	27.19	26.26	-0.9339872	0	14.17	81.4
9/25/2010 15:00	16993	1_60	2010	268	1500	2.819747	332.9366	49.21215	2.781	34.26	-5.734	36.84	27.87	27.13	-0.7458903	0	13.23	83
9/25/2010 16:00	16994	1_60	2010	268	1600	3.217567	337.479	31.3119	3.314	32.2	-6.471	34.76	28.2	27.57	-0.6277421	0	12.92	83.4
9/25/2010 17:00	16995	1_60	2010	268	1700	3.470977	347.7604	30.76966	9.7	23.6	-1.039	25.78	27.86	27.47	-0.392341	0	13.58	82.9
9/25/2010 18:00	16996	1_60	2010	268	1800	4.489743	323.5016	17.23897	7.66	24.83	-1.376	25.77	26.12	26.28	0.159158	0	15.51	79.62
9/25/2010 19:00	16997	1_60	2010	268	1900	3.123606	321.3712	13.42012	1.95	11.07	-0.65	12.18	22.66	24.39	1.72772	0	19.13	73.33
9/25/2010 20:00	16998	1_60	2010	268	2000	2.127636	262.9478	20.18883	-0.031	4.037	1.937	5.571	19.9	22.47	2.568191	0	24.5	68.11
9/25/2010 21:00	16999	1_60	2010	268	2100	1.86677	136.449	43.85782	-0.218	2.803	-0.062	3.027	16.79	20.01	3.211569	0	32.35	63.13
9/25/2010 22:00	17000	1_60	2010	268	2200	2.648542	135.0177	7.091861	-0.02	2.222	2.288	5.119	14.75	17.96	3.213644	0	39.11	58.83
9/25/2010 23:00	17001	1_60	2010	268	2300	3.017138	121.7001	8.567001	2.59	7.924	8.6	12.37	13.82	16.26	2.440184	0	42.55	57.45

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/23/2010 0:00	16930	1_60	2010	266	0	24.46	0.067	5.242	5.837	63.09	2317	13.26
9/23/2010 1:00	16931	1_60	2010	266	100	24.47	0.08	5.242	2.731	86.7	4	13.27
9/23/2010 2:00	16932	1_60	2010	266	200	24.48	0.086	5.242	1.536	255.8	144	13.28
9/23/2010 3:00	16933	1_60	2010	266	300	24.49	0.1	5.242	2.765	180.1	255	13.29
9/23/2010 4:00	16934	1_60	2010	266	400	24.51	0.095	AQ	5.632	276.1	318	13.31
9/23/2010 5:00	16935	1_60	2010	266	500	24.53	0.072	5.339	3.345	205.2	405	13.33
9/23/2010 6:00	16936	1_60	2010	266	600	24.55	0.303	5.339	3.994	86.4	549	13.34
9/23/2010 7:00	16937	1_60	2010	266	700	24.57	61.36	5.339	3.174	109.3	600	13.35
9/23/2010 8:00	16938	1_60	2010	266	800	24.6	245.2	5.339	3.447	89.2	705	13.31
9/23/2010 9:00	16939	1_60	2010	266	900	24.62	435.2	AQ	2.458	299.6	811	13.23
9/23/2010 10:00	16940	1_60	2010	266	1000	24.64	614.8	AQ	2.833	304.3	913	13.16
9/23/2010 11:00	16941	1_60	2010	266	1100	24.65	749.5	5.344	4.267	342.5	1033	13.11
9/23/2010 12:00	16942	1_60	2010	266	1200	24.65	828	5.343	4.437	316.6	1152	13.06
9/23/2010 13:00	16943	1_60	2010	266	1300	24.64	842	5.343	3.959	319.4	1225	13.03
9/23/2010 14:00	16944	1_60	2010	266	1400	24.64	532.6	5.343	3.686	3.535	1301	13
9/23/2010 15:00	16945	1_60	2010	266	1500	24.64	609.4	5.342	7.339	256.3	1457	13
9/23/2010 16:00	16946	1_60	2010	266	1600	24.64	512.3	5.331	7.953	293.3	1503	12.99
9/23/2010 17:00	16947	1_60	2010	266	1700	24.65	302.8	5.315	5.632	270.8	1624	13
9/23/2010 18:00	16948	1_60	2010	266	1800	24.67	97.1	5.302	4.335	237.6	1700	13.02
9/23/2010 19:00	16949	1_60	2010	266	1900	24.69	1.711	5.293	3.618	244.8	1810	13.08
9/23/2010 20:00	16950	1_60	2010	266	2000	24.71	0.028	5.285	3.686	245.1	1910	13.14
9/23/2010 21:00	16951	1_60	2010	266	2100	24.73	0.045	5.278	3.721	100.2	2050	13.2
9/23/2010 22:00	16952	1_60	2010	266	2200	24.75	0.04	5.273	3.038	144	2132	13.24
9/23/2010 23:00	16953	1_60	2010	266	2300	24.76	0.071	5.268	4.403	131.1	2248	13.28
9/24/2010 0:00	16954	1_60	2010	267	0	24.77	0.085	5.264	4.403	109.7	2359	13.31
9/24/2010 1:00	16955	1_60	2010	267	100	24.77	0.075	5.26	4.574	134.9	9	13.33
9/24/2010 2:00	16956	1_60	2010	267	200	24.79	0.062	5.257	3.857	118.3	110	13.35
9/24/2010 3:00	16957	1_60	2010	267	300	24.79	0.032	5.256	1.673	92.6	253	13.38
9/24/2010 4:00	16958	1_60	2010	267	400	24.81	0.032	5.256	2.185	129.5	328	13.4
9/24/2010 5:00	16959	1_60	2010	267	500	24.82	0.052	5.254	2.833	151.5	432	13.41
9/24/2010 6:00	16960	1_60	2010	267	600	24.83	0.331	5.253	2.56	103.5	506	13.43
9/24/2010 7:00	16961	1_60	2010	267	700	24.85	53.73	5.252	3.311	91.1	623	13.43
9/24/2010 8:00	16962	1_60	2010	267	800	24.87	243.2	5.251	2.082	54.94	705	13.37
9/24/2010 9:00	16963	1_60	2010	267	900	24.87	445.6	5.249	2.287	337.3	819	13.27
9/24/2010 10:00	16964	1_60	2010	267	1000	24.87	623.2	5.246	2.594	310.5	944	13.18
9/24/2010 11:00	16965	1_60	2010	267	1100	24.86	756.9	5.242	2.765	300.4	1047	13.12
9/24/2010 12:00	16966	1_60	2010	267	1200	24.85	831	5.237	2.867	333.5	1107	13.07
9/24/2010 13:00	16967	1_60	2010	267	1300	24.83	848	5.222	5.564	275.9	1259	13.02
9/24/2010 14:00	16968	1_60	2010	267	1400	24.81	788.5	5.208	6.246	276.3	1300	12.99
9/24/2010 15:00	16969	1_60	2010	267	1500	24.8	668.3	5.19	5.7	285.6	1412	12.97
9/24/2010 16:00	16970	1_60	2010	267	1600	24.79	501.5	5.17	5.905	275.5	1502	12.96
9/24/2010 17:00	16971	1_60	2010	267	1700	24.78	301.7	5.153	4.471	274.2	1600	12.97
9/24/2010 18:00	16972	1_60	2010	267	1800	24.79	93.8	5.138	2.697	248.3	1707	12.97
9/24/2010 19:00	16973	1_60	2010	267	1900	24.81	1.815	5.124	2.594	245.9	1816	13.04
9/24/2010 20:00	16974	1_60	2010	267	2000	24.83	0.027	5.113	3.959	236.9	1912	13.13
9/24/2010 21:00	16975	1_60	2010	267	2100	24.84	0.031	5.107	2.355	303.6	2023	13.17
9/24/2010 22:00	16976	1_60	2010	267	2200	24.86	0.03	5.1	3.686	147.7	2150	13.22
9/24/2010 23:00	16977	1_60	2010	267	2300	24.87	0.053	5.094	7.031	114.9	2250	13.26
9/25/2010 0:00	16978	1_60	2010	268	0	24.87	0.064	5.089	5.018	104.3	2331	13.27
9/25/2010 1:00	16979	1_60	2010	268	100	24.87	0.07	5.087	4.198	130.4	2	13.3
9/25/2010 2:00	16980	1_60	2010	268	200	24.88	0.062	5.085	3.174	110.9	156	13.34
9/25/2010 3:00	16981	1_60	2010	268	300	24.87	0.031	5.082	3.994	95.1	212	13.36
9/25/2010 4:00	16982	1_60	2010	268	400	24.88	0.025	5.081	3.925	106.1	302	13.38
9/25/2010 5:00	16983	1_60	2010	268	500	24.89	0.043	5.08	4.506	94.3	418	13.4
9/25/2010 6:00	16984	1_60	2010	268	600	24.9	0.289	5.08	2.082	302.2	501	13.41
9/25/2010 7:00	16985	1_60	2010	268	700	24.91	51.55	5.078	2.765	116.4	630	13.42
9/25/2010 8:00	16986	1_60	2010	268	800	24.92	240	5.077	1.604	90	742	13.36
9/25/2010 9:00	16987	1_60	2010	268	900	24.91	441.7	5.074	2.321	96.3	832	13.25
9/25/2010 10:00	16988	1_60	2010	268	1000	24.91	617.8	5.071	2.458	332.4	923	13.16
9/25/2010 11:00	16989	1_60	2010	268	1100	24.9	748.7	5.066	2.901	329.4	1003	13.09
9/25/2010 12:00	16990	1_60	2010	268	1200	24.86	817	5.06	4.164	326.1	1153	13.04
9/25/2010 13:00	16991	1_60	2010	268	1300	24.83	829	5.051	6.451	293.9	1250	12.99
9/25/2010 14:00	16992	1_60	2010	268	1400	24.8	774.8	5.037	7.339	6.032	1349	12.96
9/25/2010 15:00	16993	1_60	2010	268	1500	24.78	659.3	5.018	7.168	340.3	1459	12.94
9/25/2010 16:00	16994	1_60	2010	268	1600	24.77	494.1	4.996	7.748	334.9	1531	12.93
9/25/2010 17:00	16995	1_60	2010	268	1700	24.76	294.6	4.973	8.29	322.3	1659	12.94
9/25/2010 18:00	16996	1_60	2010	268	1800	24.76	88.5	4.949	8.74	332.8	1700	12.96
9/25/2010 19:00	16997	1_60	2010	268	1900	24.76	1.498	4.931	7.168	298.9	1805	13
9/25/2010 20:00	16998	1_60	2010	268	2000	24.78	0.019	4.92	3.755	319.6	1902	13.07
9/25/2010 21:00	16999	1_60	2010	268	2100	24.79	0.032	4.911	3.106	92.4	2039	13.12
9/25/2010 22:00	17000	1_60	2010	268	2200	24.79	0.037	4.901	3.925	140.2	2115	13.18
9/25/2010 23:00	17001	1_60	2010	268	2300	24.79	0.047	4.896	5.154	120.7	2259	13.21

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/26/2010 0:00	17002	1_60	2010	269	0	3.259061	113.1253	35.72318	3.033	9.78	5.009	11.63	13.28	15.18	1.896103	0	45.64	56.34
9/26/2010 1:00	17003	1_60	2010	269	100	2.152136	92.15537	21.92886	0.208	3.813	1.189	4.842	11.4	13.19	1.786681	0	54.38	52.69
9/26/2010 2:00	17004	1_60	2010	269	200	2.689852	120.3844	25.77331	1.696	5.951	3.129	6.273	11.27	12.91	1.641265	0	54.67	52.58
9/26/2010 3:00	17005	1_60	2010	269	300	1.30454	146.6441	29.96928	0.241	4.265	1.15	5.762	11.12	13.82	2.697217	0	53.5	52.74
9/26/2010 4:00	17006	1_60	2010	269	400	1.614907	106.9539	51.52962	0.946	5.372	1.456	6.123	8.61	10.31	1.701448	0	66.54	47.84
9/26/2010 5:00	17007	1_60	2010	269	500	1.881369	103.1284	9.603168	-0.008	1.308	-0.049	1.8	9.2	11.08	1.88229	0	62.69	49.02
9/26/2010 6:00	17008	1_60	2010	269	600	1.958994	108.808	8.276261	-0.037	0.769	-0.008	0.389	8.01	9.9	1.892589	0	68.57	46.82
9/26/2010 7:00	17009	1_60	2010	269	700	1.455609	120.9048	13.77242	0.001	0.339	-0.001	0.117	8.28	10.45	2.166965	0	68.55	47.51
9/26/2010 8:00	17010	1_60	2010	269	800	0.3766043	352.3354	32.08365	-0.518	7.099	-0.36	6.972	12.81	12.72	-0.09251472	0	49.13	58.03
9/26/2010 9:00	17011	1_60	2010	269	900	0.5766521	27.39455	41.9498	-1.011	17.84	-2.595	17.78	16.11	15.72	-0.3941149	0	35.54	64.4
9/26/2010 10:00	17012	1_60	2010	269	1000	0.8469893	157.6789	51.86744	5.156	26.12	6.245	26.12	19.18	18.55	-0.6214849	0	29.39	69.06
9/26/2010 11:00	17013	1_60	2010	269	1100	1.032701	30.17029	64.53307	5.159	27.63	3.47	26.49	21.86	21.28	-0.5840451	0	25.92	73.8
9/26/2010 12:00	17014	1_60	2010	269	1200	1.462894	329.6023	40.32478	6.875	27.56	2.149	27.05	24.55	23.8	-0.7432757	0	21.96	77.99
9/26/2010 13:00	17015	1_60	2010	269	1300	1.478793	288.1225	59.41322	-1.347	32.13	-3.904	32.43	26.91	26.15	-0.7674968	0	16.98	82.1
9/26/2010 14:00	17016	1_60	2010	269	1400	2.008539	357.0341	46.64252	9.85	31.91	3.51	31.23	28.41	27.68	-0.724795	0	14.79	84.4
9/26/2010 15:00	17017	1_60	2010	269	1500	2.268126	336.205	42.36152	7.647	30.98	2.783	32.42	29.14	28.42	-0.7248452	0	13.78	85.5
9/26/2010 16:00	17018	1_60	2010	269	1600	1.482575	305.2698	55.61895	1.447	23.74	0.393	25.14	29.3	28.7	-0.6090453	0	13.2	85.9
9/26/2010 17:00	17019	1_60	2010	269	1700	1.844958	307.6972	35.89795	3.044	17.12	0.936	18.16	29.23	28.8	-0.4361545	0	13.36	86.1
9/26/2010 18:00	17020	1_60	2010	269	1800	2.05126	249.3687	8.58509	-0.219	5.33	2.464	6.684	25.94	26.87	0.9225542	0	19.03	80.3
9/26/2010 19:00	17021	1_60	2010	269	1900	2.023474	282.5149	25.31203	-0.104	4.898	4.55	8.93	22.84	24.68	1.838028	0	23	72.98
9/26/2010 20:00	17022	1_60	2010	269	2000	1.427699	240.6786	24.07513	0.129	3.923	0.988	5.029	20.68	23.48	2.797968	0	25.7	70.15
9/26/2010 21:00	17023	1_60	2010	269	2100	0.8127707	146.8206	16.77988	-0.002	0.109	-0.002	0.155	17.45	22.45	4.996112	0	34.12	64.16
9/26/2010 22:00	17024	1_60	2010	269	2200	0.9618151	200.125	41.29639	0.035	1.78	0.037	2.306	15.96	21.06	5.109057	0	38.34	61.4
9/26/2010 23:00	17025	1_60	2010	269	2300	4.203759	128.2353	5.743727	4.215	9.39	15.61	12.21	15.34	18.48	3.13592	0	40.57	60.01
9/27/2010 0:00	17026	1_60	2010	270	0	4.563088	123.335	5.799775	6.364	12.23	16.89	13.69	16.03	17.21	1.177802	0	39.37	61.19
9/27/2010 1:00	17027	1_60	2010	270	100	2.724238	127.2445	53.47751	3.278	11.38	9.65	13.47	14.33	15.61	1.283247	0	44.47	58.05
9/27/2010 2:00	17028	1_60	2010	270	200	1.731331	103.6121	19.57287	0.141	1.857	0.286	2.155	11.24	13.36	2.123971	0	55.68	52.86
9/27/2010 3:00	17029	1_60	2010	270	300	1.963713	108.2473	16.18365	0.084	2.095	0.134	2.034	9.95	12.31	2.354618	0	60.92	50.24
9/27/2010 4:00	17030	1_60	2010	270	400	1.95973	114.5267	13.77418	-0.037	1.65	0.178	1.689	9.48	12.24	2.753456	0	62.61	49.34
9/27/2010 5:00	17031	1_60	2010	270	500	1.225437	180.2103	27.72001	0.054	2.784	0.254	3.015	10	12.47	2.471896	0	59.96	50.63
9/27/2010 6:00	17032	1_60	2010	270	600	1.215338	97.65626	52.04948	0.093	4.248	-0.174	5.861	9.58	11.04	1.457437	0	62.98	49.42
9/27/2010 7:00	17033	1_60	2010	270	700	0.9454357	205.8506	42.0891	0.021	0.423	0.179	1.182	8.49	9.78	1.294886	0	67.21	47.9
9/27/2010 8:00	17034	1_60	2010	270	800	1.146616	331.0911	28.73816	2.54	9.29	1.507	8.8	12.2	11.96	-0.2360819	0	53.6	55.52
9/27/2010 9:00	17035	1_60	2010	270	900	0.9252087	320.885	32.43588	2.763	19.19	0.892	17.72	16.02	15.61	-0.4065955	0	40.36	63.14
9/27/2010 10:00	17036	1_60	2010	270	1000	1.217304	301.8519	39.5699	0.111	26.61	-1.099	26.4	19.02	18.43	-0.5933203	0	32.13	68.15
9/27/2010 11:00	17037	1_60	2010	270	1100	1.352274	292.086	38.63222	5.587	27.83	6.359	28.45	21.87	21.18	-0.6934499	0	27.19	73.2
9/27/2010 12:00	17038	1_60	2010	270	1200	1.775584	299.4901	36.19964	0.428	26.56	-0.315	28.73	25.06	24.31	-0.749248	0	21.26	78.53
9/27/2010 13:00	17039	1_60	2010	270	1300	2.299185	306.3388	24.44205	2.183	29.43	0.24	31.26	28.56	27.74	-0.8230177	0	15.49	84.4
9/27/2010 14:00	17040	1_60	2010	270	1400	2.616936	268.9576	32.59495	-0.145	31.39	4.873	33.39	30.94	30.01	-0.9336175	0	12.22	88.2
9/27/2010 15:00	17041	1_60	2010	270	1500	2.940268	277.0446	28.30828	1.778	31.27	5.083	35.09	32.02	31.08	-0.9403301	0	10.36	90.3
9/27/2010 16:00	17042	1_60	2010	270	1600	3.13042	270.8097	28.38948	3.109	29.09	8.03	31.93	32.34	31.55	-0.7959102	0	9.26	90.8
9/27/2010 17:00	17043	1_60	2010	270	1700	4.319446	333.6566	14.87234	8.85	24.35	-3.255	27.17	31.73	31.35	-0.3743997	0	9.17	89.8
9/27/2010 18:00	17044	1_60	2010	270	1800	5.140172	337.9969	13.12985	9.98	26.59	-5.253	29.29	29.53	29.79	0.2637596	0	10.73	85.7
9/27/2010 19:00	17045	1_60	2010	270	1900	4.138538	302.9014	15.83439	5.949	19.17	3.426	20.95	25.92	27.43	1.508331	0	12.59	79.17
9/27/2010 20:00	17046	1_60	2010	270	2000	1.841831	254.7799	41.66251	0.094	3.34	1.345	4.972	23.27	25.98	2.703451	0	14.63	74.67
9/27/2010 21:00	17047	1_60	2010	270	2100	2.133802	129.2812	9.006034	0.046	1.23	0.33	1.767	17.71	21.98	4.274518	0	23.38	64.66
9/27/2010 22:00	17048	1_60	2010	270	2200	1.916695	146.7724	29.87634	-0.015	0.974	0.206	1.588	15.3	21.66	6.363381	0	28.56	60.43
9/27/2010 23:00	17049	1_60	2010	270	2300	3.381864	117.6172	7.138924	1.404	4.937	5.248	7.99	14.67	18.58	3.909864	0	30.24	58.8
9/28/2010 0:00	17050	1_60	2010	271	0	4.314409	125.0957	6.002689	5.205	11.58	15.95	13.25	15.8	17.7	1.899803	0	28.44	60.84
9/28/2010 1:00	17051	1_60	2010	271	100	3.53326	141.1564	17.16286	5.191	10.31	19.56	14.96	14.24	16.42	2.172086	0	33.08	58.36
9/28/2010 2:00	17052	1_60	2010	271	200	1.523708	135.1003	22.00679	0.647	4.131	1.835	5.227	11.97	14.04	2.072152	0	40.16	54
9/28/2010 3:00	17053	1_60	2010	271	300	1.361629	104.079	21.1913	0.08	1.977	0.158	1.643	11	13.91	2.90927	0	43.62	52.21
9/28/2010 4:00	17054	1_60	2010	271	400	1.637586	126.0229	16.75749	0.002	0.309	0.011	0.536	9.72	12.31	2.590612	0	47.6	49.98
9/28/2010 5:00	17055	1_60	2010	271	500	0.8680631	97.87623	47.07878	-0.044	6.505	0.009	7.667	10.48	12.62	2.135953	0	44.66	51.13
9/28/2010 6:00	17056	1_60	2010	271	600	0.525335	205.0051	41.70691	-0.001	0.096	0	0.087	8.29	9.74	1.448297	0	53.8	47.21
9/28/2010 7:00	17057	1_60	2010	271	700	0.7845822	138.3537	27.67146	0	0.422	0.061	0.62	7.921	9.36	1.436334	0	55.35	47.1
9/28/2010 8:00	17058	1_60	2010	271	800	0.9676486	149.8344	18.17705	1.539	7.968	3.973	10.23	12.89	12.37	-0.5226582	0	40.09	56.26
9/28/2010 9:00	17059	1_60	2010	271	900	0.711051	93.0322	47.76207	0.638	18.73	0.345	18.64	17.21	16.73	-0.4844064	0	26.67	65.91
9/28/2010 10:00	17060	1_60	2010	271	1000	1.10893	302.6678	48.2838	1.88	26.68	-0.275	27.32	19.64	19.07	-0.5697107	0	23.59	69.52
9/28/2010 11:00	17061	1_60	2010	271	1100	1.383875	297.4872	43.02209	-1.196	29.17	-2.197	29.21	21.93	21.18	-0.7508282	0	20.79	73.43
9/28/2010 12:00	17062	1_60	2010	271	1200	1.514551	313.0039	31.87846	3.94	31.97	1.666	30.34	24.86	24.09	-0.7693788	0	16.76	78.61
9/28/2010 13:00	17063	1_60	2010	271	1300	2.102579	301.428	34.03644	3.686	32.48	2.08	33.79	27.94	27.04	-0.9026017	0	12.95	83.3
9/28/2010 14:00	17064	1_60	2010	271	1400	1.811362	3.239549	38.24193	3.12	28.53	-4.671	28.71	29.71	29	-0.7134498	0	10.34	86.9
9/28/2010 15:00	17065	1_60	2010	271	1500	2.163133	313.2061	43.64117	6.566	33.4	3.294	34.25	31	30.23	-0.7680054	0	8.57	88.9
9/28/2010 16:00	17066	1_60	2010	271	1600	2.72318	305.3895	27.36821	3.513	25.58	1.175	29.56	31.54	30.83	-0.7151668	0	9.08	89.4
9/28/2010 17:00	17067	1_60	2010	271	1700	2.70814	282.7004	12.74052	2.816	18.35	4.599	20.33	31.27	30.79	-0.4793084	0	9.19	89.2
9/28/2010 18:00	17068	1_60	2010	271	1800	1.708218	256.4879	9.631371	0.23	3.976	1.4	5.041	27.4	28.15	0.7479929	0	12.41	83.3
9/28/2010 19:00	17069	1_60	2010	271	1900	2.59579	264.5174	19.78429	0.267	5.821	3.446	9.19	23.89	26.86	2.977338	0	13.51	75.39
9/28/2010 20:00	17070	1_60	2010	271	2000	1.27418	194.7785	24.57636	0.013	0.812	1.005	2.946	20.18	24.45	4.263518	0	17.81	69.27
9/28/2010 21:00	17071	1_60	2010	271	2100	0.9641777	188.3716	24.15801	-0.002	0.092	0.179	1.484	18.89	24.13	5.241793	0	19.73	67.04
9/28/2010 22:00	17072	1_60	2010	271	2200	2.079938	132.244	19.74248	0.236	3.213	2.235	5.108	16.29	20.6	4.303697	0	24.47	62.06
9/28/2010 23:00	17073	1_60	2010	271	2300	3.819306	123.0158	7.453464	3.991	9.92	10.4	11.49	16.2	18.5	2.301188	0	25.79	61.59

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg inHg	SolarRad_Avg W/m²	EvapLevel_Avg in	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/26/2010 0:00	17002	1_60	2010	269	0	24.79	0.034	4.89	5.666	98.4	2317	13.24
9/26/2010 1:00	17003	1_60	2010	269	100	24.8	0.057	4.885	3.311	28.81	0	13.27
9/26/2010 2:00	17004	1_60	2010	269	200	24.8	0.075	4.881	4.676	115.4	141	13.29
9/26/2010 3:00	17005	1_60	2010	269	300	24.8	0.09	4.878	3.277	131.7	239	13.31
9/26/2010 4:00	17006	1_60	2010	269	400	24.81	0.073	4.876	2.901	212.3	326	13.33
9/26/2010 5:00	17007	1_60	2010	269	500	24.82	0.063	4.873	2.97	98.1	435	13.35
9/26/2010 6:00	17008	1_60	2010	269	600	24.83	0.26	4.871	2.97	103.5	558	13.36
9/26/2010 7:00	17009	1_60	2010	269	700	24.85	48.47	4.868	2.765	96.4	630	13.38
9/26/2010 8:00	17010	1_60	2010	269	800	24.85	233.1	4.868	1.365	13.46	737	13.31
9/26/2010 9:00	17011	1_60	2010	269	900	24.85	433.8	4.867	1.946	87.9	859	13.21
9/26/2010 10:00	17012	1_60	2010	269	1000	24.84	608.4	4.863	2.458	111.3	915	13.12
9/26/2010 11:00	17013	1_60	2010	269	1100	24.82	740.2	4.86	3.106	312.5	1057	13.06
9/26/2010 12:00	17014	1_60	2010	269	1200	24.8	809	4.853	5.154	287.2	1113	13
9/26/2010 13:00	17015	1_60	2010	269	1300	24.77	822	4.844	3.959	301.6	1251	12.96
9/26/2010 14:00	17016	1_60	2010	269	1400	24.75	768.2	4.832	4.506	324.7	1316	12.93
9/26/2010 15:00	17017	1_60	2010	269	1500	24.72	652.1	4.814	5.666	334.2	1406	12.91
9/26/2010 16:00	17018	1_60	2010	269	1600	24.71	486.4	4.795	4.13	327.2	1506	12.91
9/26/2010 17:00	17019	1_60	2010	269	1700	24.7	286.7	4.776	3.755	314.9	1609	12.91
9/26/2010 18:00	17020	1_60	2010	269	1800	24.7	82.4	4.759	3.311	244	1758	12.93
9/26/2010 19:00	17021	1_60	2010	269	1900	24.71	1.3	4.746	4.335	243.7	1811	13
9/26/2010 20:00	17022	1_60	2010	269	2000	24.72	0.026	4.737	2.935	255.2	1930	13.06
9/26/2010 21:00	17023	1_60	2010	269	2100	24.73	0.017	4.727	1.98	129.7	2017	13.11
9/26/2010 22:00	17024	1_60	2010	269	2200	24.74	0.026	4.719	2.355	139.9	2153	13.16
9/26/2010 23:00	17025	1_60	2010	269	2300	24.74	0.046	4.712	6.69	112.3	2258	13.19
9/27/2010 0:00	17026	1_60	2010	270	0	24.74	0.063	4.703	6.895	120.1	2312	13.21
9/27/2010 1:00	17027	1_60	2010	270	100	24.75	0.06	4.698	5.325	119.2	23	13.22
9/27/2010 2:00	17028	1_60	2010	270	200	24.75	0.035	4.694	3.106	45.6	110	13.25
9/27/2010 3:00	17029	1_60	2010	270	300	24.75	0.066	4.689	3.584	100.5	221	13.29
9/27/2010 4:00	17030	1_60	2010	270	400	24.76	0.071	4.685	3.311	102.3	312	13.32
9/27/2010 5:00	17031	1_60	2010	270	500	24.77	0.072	4.684	2.662	118.6	405	13.34
9/27/2010 6:00	17032	1_60	2010	270	600	24.78	0.299	4.682	3.14	83.5	530	13.35
9/27/2010 7:00	17033	1_60	2010	270	700	24.79	33.83	4.681	1.877	227.1	617	13.36
9/27/2010 8:00	17034	1_60	2010	270	800	24.8	231.8	4.68	2.355	331.5	717	13.32
9/27/2010 9:00	17035	1_60	2010	270	900	24.8	444.3	4.676	2.253	288.6	829	13.22
9/27/2010 10:00	17036	1_60	2010	270	1000	24.79	612.9	4.673	3.038	258.5	957	13.12
9/27/2010 11:00	17037	1_60	2010	270	1100	24.77	742.1	4.669	3.277	327.8	1047	13.06
9/27/2010 12:00	17038	1_60	2010	270	1200	24.75	816	4.662	4.13	301.3	1137	13
9/27/2010 13:00	17039	1_60	2010	270	1300	24.73	830	4.651	4.847	298.8	1242	12.96
9/27/2010 14:00	17040	1_60	2010	270	1400	24.7	776.1	4.637	5.393	269.6	1341	12.92
9/27/2010 15:00	17041	1_60	2010	270	1500	24.69	661.1	4.616	5.734	271.3	1449	12.9
9/27/2010 16:00	17042	1_60	2010	270	1600	24.68	493.9	4.591	6.793	289.4	1539	12.89
9/27/2010 17:00	17043	1_60	2010	270	1700	24.68	293.3	4.563	8.19	330.4	1653	12.9
9/27/2010 18:00	17044	1_60	2010	270	1800	24.69	80.8	4.533	10.48	354.5	1749	12.92
9/27/2010 19:00	17045	1_60	2010	270	1900	24.7	1.1	4.507	8.74	336.2	1806	12.96
9/27/2010 20:00	17046	1_60	2010	270	2000	24.71	0.019	4.493	4.608	283.3	1901	13.02
9/27/2010 21:00	17047	1_60	2010	270	2100	24.72	0.025	4.481	3.106	141	2052	13.08
9/27/2010 22:00	17048	1_60	2010	270	2200	24.73	0.023	4.472	3.379	90.6	2133	13.15
9/27/2010 23:00	17049	1_60	2010	270	2300	24.73	0.047	4.462	4.915	120.3	2235	13.2
9/28/2010 0:00	17050	1_60	2010	271	0	24.74	0.05	4.45	6.349	124.8	2329	13.22
9/28/2010 1:00	17051	1_60	2010	271	100	24.74	0.05	4.445	5.803	124.5	22	13.23
9/28/2010 2:00	17052	1_60	2010	271	200	24.74	0.037	4.441	3.379	113.2	142	13.26
9/28/2010 3:00	17053	1_60	2010	271	300	24.75	0.063	4.439	3.14	67.44	256	13.29
9/28/2010 4:00	17054	1_60	2010	271	400	24.75	0.065	4.436	2.799	76.88	309	13.32
9/28/2010 5:00	17055	1_60	2010	271	500	24.76	0.067	4.435	2.56	40.08	424	13.34
9/28/2010 6:00	17056	1_60	2010	271	600	24.77	0.203	4.433	1.536	249.5	507	13.36
9/28/2010 7:00	17057	1_60	2010	271	700	24.79	47.95	4.432	2.253	118.6	650	13.38
9/28/2010 8:00	17058	1_60	2010	271	800	24.79	231.8	4.429	1.98	181.3	748	13.33
9/28/2010 9:00	17059	1_60	2010	271	900	24.79	438	4.424	2.355	81.5	842	13.22
9/28/2010 10:00	17060	1_60	2010	271	1000	24.78	613.4 AQ		3.14	351.3	927	13.12
9/28/2010 11:00	17061	1_60	2010	271	1100	24.76	744.8 AQ		3.345	311.4	1052	13
9/28/2010 12:00	17062	1_60	2010	271	1200	24.73	814 AQ		3.447	331.1	1124	12.98
9/28/2010 13:00	17063	1_60	2010	271	1300	24.7	826	8.01	4.369	307.3	1218	12.96
9/28/2010 14:00	17064	1_60	2010	271	1400	24.67	772.2	8.01	4.574	352.2	1357	12.92
9/28/2010 15:00	17065	1_60	2010	271	1500	24.64	652.7	8	5.291	302.2	1440	12.9
9/28/2010 16:00	17066	1_60	2010	271	1600	24.63	480.8	7.974	6.076	311.6	1541	12.9
9/28/2010 17:00	17067	1_60	2010	271	1700	24.63	280.8	7.951	4.71	299.6	1607	12.9
9/28/2010 18:00	17068	1_60	2010	271	1800	24.63	74.95	7.933	2.867	258.9	1759	12.92
9/28/2010 19:00	17069	1_60	2010	271	1900	24.64	0.856	7.916	4.267	295.7	1834	12.98
9/28/2010 20:00	17070	1_60	2010	271	2000	24.65	0.027	7.9	2.697	245.1	1911	13.05
9/28/2010 21:00	17071	1_60	2010	271	2100	24.65	0.015	7.885	2.116	213.7	2023	13.1
9/28/2010 22:00	17072	1_60	2010	271	2200	24.66	0.03	7.873	3.925	145.6	2146	13.15
9/28/2010 23:00	17073	1_60	2010	271	2300	24.66	0.037	7.863	6.246	122.8	2254	13.19

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARI Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd_m/s m/s WVc	WDir_Deg Deg WVc	ST Deg WVc	VertWS_EPS_Avg cm/s Avg	VertWS_EPS_Std cm/s Std	VertWS_CFT_Avg cm/s Avg	VertWS_CFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp10m_Avg DegC Avg	DeltaT_Avg Avg	Precip_Tot in Tot	RH_Avg Avg	RHTemp_Avg DegF Avg
9/29/2010 0:00	17074	1_60	2010	272	0	4.189389	127.8719	3.679302	2.384	5.455	17.19	6.106	14.92	17.43	2.514426	0	29.12	59.41
9/29/2010 1:00	17075	1_60	2010	272	100	2.231089	135.5211	9.708653	0.972	5.69	4.029	7.102	12.58	15.52	2.940525	0	34.27	55.28
9/29/2010 2:00	17076	1_60	2010	272	200	0.86568	149.9953	25.00393	-0.03	1.539	0.171	2.178	10.77	13.14	2.372397	0	40.97	51.76
9/29/2010 3:00	17077	1_60	2010	272	300	1.766764	116.4851	11.9087	0.022	0.834	0.028	0.59	9.58	12.25	2.666786	0	43.2	49.87
9/29/2010 4:00	17078	1_60	2010	272	400	1.37224	178.4962	29.58026	-0.097	1.89	0.169	2.429	9.92	12.84	2.919831	0	43.1	49.87
9/29/2010 5:00	17079	1_60	2010	272	500	1.11501	224.2961	32.7765	-0.095	1.502	-0.023	1.687	10.67	13.26	2.588553	0	39.81	51.46
9/29/2010 6:00	17080	1_60	2010	272	600	0.701327	175.1006	39.04694	-0.001	0.053	0.001	0.055	8.52	10.59	2.063864	0	46.98	47.98
9/29/2010 7:00	17081	1_60	2010	272	700	0.7697928	127.7699	45.62741	0	0.011	0.035	0.471	7.472	9.52	2.052632	0	51.47	46.39
9/29/2010 8:00	17082	1_60	2010	272	800	1.226518	116.5011	20.94307	0.213	7.67	1.035	8.5	11.33	11.01	-0.3143854	0	41.76	53.42
9/29/2010 9:00	17083	1_60	2010	272	900	0.6278257	147.714	52.84708	4.013	20.06	4.715	20.28	16.65	16.15	-0.5006433	0	25.22	64.76
9/29/2010 10:00	17084	1_60	2010	272	1000	1.007244	1.990055	43.73323	3.626	23.5	2.203	22.02	19.32	18.84	-0.4732749	0	21.66	69.43
9/29/2010 11:00	17085	1_60	2010	272	1100	1.570754	308.3504	35.11102	-1.205	26.56	-3.706	25.59	21.56	20.87	-0.6865253	0	19.56	72.47
9/29/2010 12:00	17086	1_60	2010	272	1200	1.407397	302.535	33.98686	4.173	30.2	3.075	32.44	24.79	24.05	-0.7434978	0	15.27	78.46
9/29/2010 13:00	17087	1_60	2010	272	1300	1.876358	307.3748	29.77467	2.878	29.71	-0.378	30.65	28.16	27.38	-0.7768673	0	11.52	84.1
9/29/2010 14:00	17088	1_60	2010	272	1400	2.150763	263.2206	30.29606	2.379	30.24	6.273	30.24	30.43	29.51	-0.9174452	0	9.85	87.6
9/29/2010 15:00	17089	1_60	2010	272	1500	2.789879	258.9053	30.78914	3.702	29.83	11.87	32.51	31.57	30.56	-1.012076	0	8.62	89.6
9/29/2010 16:00	17090	1_60	2010	272	1600	3.212761	267.1352	22.07958	2.402	24.83	9.74	27.79	31.87	31	-0.8676968	0	8.66	89.8
9/29/2010 17:00	17091	1_60	2010	272	1700	3.117585	287.3778	19.10005	1.698	19.81	2.788	21.13	31.32	30.89	-0.4274847	0	9.26	89
9/29/2010 18:00	17092	1_60	2010	272	1800	2.636621	324.8752	25.28565	5.836	15.6	-0.369	14.6	28.3	28.85	0.5451673	0	10.42	84
9/29/2010 19:00	17093	1_60	2010	272	1900	1.498327	259.334	21.16924	-0.069	5.025	0.409	5.727	24.77	26.33	1.562752	0	12.05	76.95
9/29/2010 20:00	17094	1_60	2010	272	2000	1.777657	251.468	20.99531	0.424	8.21	2.96	10.49	23.39	26.01	2.622047	0	12.15	74.57
9/29/2010 21:00	17095	1_60	2010	272	2100	1.934606	126.2234	37.77884	0.067	1.612	0.467	2.498	18.3	22.78	4.479247	0	17.58	65.97
9/29/2010 22:00	17096	1_60	2010	272	2200	1.83975	136.4799	14.37032	0.031	1.205	1.253	4.011	15.71	21.01	5.303106	0	21.65	60.92
9/29/2010 23:00	17097	1_60	2010	272	2300	3.059104	124.0031	11.31722	1.459	6.785	4.009	8.26	16.19	19.37	3.179364	0	21.29	61.48
9/30/2010 0:00	17098	1_60	2010	273	0	2.557853	119.7661	10.52679	1.698	7.254	3.991	8.7	14.73	17.03	2.30319	0	24.33	59.25
9/30/2010 1:00	17099	1_60	2010	273	100	1.53036	132.3116	20.03281	-0.036	1.584	0.255	1.995	12.34	14.74	2.403104	0	29.89	54.76
9/30/2010 2:00	17100	1_60	2010	273	200	1.906484	134.9093	15.91345	0.069	1.483	2.437	5.315	12.79	15.66	2.867357	0	29.6	55.58
9/30/2010 3:00	17101	1_60	2010	273	300	1.574426	110.0326	30.74558	0.303	2.458	3.001	6.918	11.91	14.45	2.545993	0	33.91	53.93
9/30/2010 4:00	17102	1_60	2010	273	400	1.832196	55.16695	42.65182	0.183	2.724	0.043	2.683	8.83	10.91	2.082586	0	43.08	48.39
9/30/2010 5:00	17103	1_60	2010	273	500	1.707802	126.9572	18.37826	-0.06	1.341	0.456	2.824	8.57	10.92	2.355733	0	44.16	47.68
9/30/2010 6:00	17104	1_60	2010	273	600	1.551045	117.6996	34.89532	0.017	1.104	0.243	2.173	8.75	11.4	2.65209	0	42.41	48.17
9/30/2010 7:00	17105	1_60	2010	273	700	1.192386	154.7406	26.1308	-0.004	0.262	-0.076	1.476	9.24	11.49	2.255127	0	41.3	49.41
9/30/2010 8:00	17106	1_60	2010	273	800	0.818515	325.3277	31.87662	0.442	3.985	0.132	5.992	12.21	12.15	-0.05934891	0	34.22	55.93
9/30/2010 9:00	17107	1_60	2010	273	900	0.4037965	236.1673	51.91902	4.4	17.37	6.412	22.29	15.95	15.5	-0.4558955	0	25.02	63.83
9/30/2010 10:00	17108	1_60	2010	273	1000	0.8987259	354.5867	33.40675	5.237	24.07	2.271	22.97	19.55	19.07	-0.4756631	0	20.11	70.04
9/30/2010 11:00	17109	1_60	2010	273	1100	1.431235	302.3399	36.50142	3.068	27.54	1.013	27.04	22.49	21.79	-0.6979253	0	17.21	74.38
9/30/2010 12:00	17110	1_60	2010	273	1200	1.436324	312.3873	41.02374	2.578	29.44	-1.186	28.68	25.64	24.79	-0.8471189	0	14.36	79.79
9/30/2010 13:00	17111	1_60	2010	273	1300	2.38338	286.2579	41.33575	1.629	34.54	5.497	35.79	29.27	28.44	-0.8286044	0	12.72	85.8
9/30/2010 14:00	17112	1_60	2010	273	1400	5.121551	221.8421	18.87968	0.581	36.14	25.71	39.42	31.53	30.25	-1.283165	0	10.8	88.7
9/30/2010 15:00	17113	1_60	2010	273	1500	4.377873	217.4801	24.18489	2.409	34.4	25.31	37.71	31.71	30.65	-1.054719	0	9.37	89.2
9/30/2010 16:00	17114	1_60	2010	273	1600	4.374703	219.8625	24.95813	1.067	33.18	22.5	37.82	31.56	30.73	-0.8318914	0	9.14	88.9
9/30/2010 17:00	17115	1_60	2010	273	1700	3.749902	214.9137	15.90179	3.698	23.23	23.33	24.82	31.02	30.55	-0.464366	0	9.56	88.2
9/30/2010 18:00	17116	1_60	2010	273	1800	3.657878	286.2977	17.01289	2.004	15.82	7.97	22.03	27.99	28.76	0.771099	0	11.09	83
9/30/2010 19:00	17117	1_60	2010	273	1900	2.280669	244.7581	13.36992	0.6	4.836	1.987	5.827	23.45	26.07	2.620431	0	13.84	74.86
9/30/2010 20:00	17118	1_60	2010	273	2000	1.349509	138.1699	18.1806	-0.036	2.732	0.836	4.903	19.45	23.54	4.085089	0	17.21	67.81
9/30/2010 21:00	17119	1_60	2010	273	2100	0.9389451	132.2381	31.96465	0.001	0.034	0.001	0.051	18.26	22.2	3.93732	0	17.57	65.36
9/30/2010 22:00	17120	1_60	2010	273	2200	1.138117	196.4182	35.77958	-0.009	1.575	0.341	3.489	16.44	20.18	3.736678	0	19.59	62.56
9/30/2010 23:00	17121	1_60	2010	273	2300	2.233594	136.3586	12.82375	0.188	2.171	0.963	3.073	15.38	18.86	3.481945	0	21.77	60.29

Appendix A1 - Site 1 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARI	Year	Day_of_Year	HOUR	BPinHg	SolarRad_Avg	EvapLevel_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN					inHg	W/m²	in	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Smp	Avg	Avg	Smp	Smp	Smp	Avg
9/29/2010 0:00	17074	1_60	2010	272	0	24.66	0.054	7.851	5.325	121	2311	13.21
9/29/2010 1:00	17075	1_60	2010	272	100	24.66	0.041	7.842	4.369	129.1	12	13.24
9/29/2010 2:00	17076	1_60	2010	272	200	24.67	0.043	7.835	1.877	144.7	100	13.28
9/29/2010 3:00	17077	1_60	2010	272	300	24.66	0.061	7.829	3.857	102.4	255	13.31
9/29/2010 4:00	17078	1_60	2010	272	400	24.67	0.065	7.824	3.618	105.4	300	13.34
9/29/2010 5:00	17079	1_60	2010	272	500	24.68	0.065	7.821	2.253	292.6	439	13.35
9/29/2010 6:00	17080	1_60	2010	272	600	24.69	0.186	7.818	1.331	238.9	527	13.36
9/29/2010 7:00	17081	1_60	2010	272	700	24.7	37.73	7.813	1.604	108.1	605	13.38
9/29/2010 8:00	17082	1_60	2010	272	800	24.7	215.9	7.811	2.321	49.89	711	13.35
9/29/2010 9:00	17083	1_60	2010	272	900	24.7	420.6	7.808	1.741	94.1	837	13.24
9/29/2010 10:00	17084	1_60	2010	272	1000	24.68	596.9	7.805	3.789	313.9	958	13.14
9/29/2010 11:00	17085	1_60	2010	272	1100	24.66	727.1	7.802	3.584	284.4	1027	13.06
9/29/2010 12:00	17086	1_60	2010	272	1200	24.63	798.9	7.797	3.379	299.3	1108	13.01
9/29/2010 13:00	17087	1_60	2010	272	1300	24.6	813	7.791	4.608	344.6	1243	12.96
9/29/2010 14:00	17088	1_60	2010	272	1400	24.58	742	7.781	6.246	302.3	1306	12.92
9/29/2010 15:00	17089	1_60	2010	272	1500	24.56	641.3	7.767	5.905	271.7	1410	12.9
9/29/2010 16:00	17090	1_60	2010	272	1600	24.55	466.3	7.74	5.359	268.3	1553	12.9
9/29/2010 17:00	17091	1_60	2010	272	1700	24.55	267.9	7.72	5.598	289	1607	12.9
9/29/2010 18:00	17092	1_60	2010	272	1800	24.57	70.05	7.697	5.461	345	1701	12.92
9/29/2010 19:00	17093	1_60	2010	272	1900	24.58	0.774	7.68	3.209	276.4	1814	12.98
9/29/2010 20:00	17094	1_60	2010	272	2000	24.6	0.021	7.664	3.994	251.5	1927	13.04
9/29/2010 21:00	17095	1_60	2010	272	2100	24.61	0.021	7.649	3.004	95.3	2036	13.09
9/29/2010 22:00	17096	1_60	2010	272	2200	24.61	0.027	7.635	3.516	125.5	2131	13.15
9/29/2010 23:00	17097	1_60	2010	272	2300	24.61	0.031	7.621	5.7	115.7	2250	13.19
9/30/2010 0:00	17098	1_60	2010	273	0	24.62	0.058	7.609	4.403	116.6	2328	13.21
9/30/2010 1:00	17099	1_60	2010	273	100	24.63	0.025	7.6	3.516	97.3	24	13.24
9/30/2010 2:00	17100	1_60	2010	273	200	24.63	0.033	7.592	3.55	146	156	13.27
9/30/2010 3:00	17101	1_60	2010	273	300	24.64	0.058	7.587	4.71	135.1	205	13.29
9/30/2010 4:00	17102	1_60	2010	273	400	24.66	0.062	7.582	2.901	326.3	331	13.32
9/30/2010 5:00	17103	1_60	2010	273	500	24.67	0.062	7.578	2.731	94.9	437	13.35
9/30/2010 6:00	17104	1_60	2010	273	600	24.68	0.149	7.574	3.106	121.8	509	13.37
9/30/2010 7:00	17105	1_60	2010	273	700	24.71	39.37	7.571	2.458	104.9	604	13.38
9/30/2010 8:00	17106	1_60	2010	273	800	24.73	212.2	7.569	2.185	323.9	735	13.32
9/30/2010 9:00	17107	1_60	2010	273	900	24.73	410.2	7.566	1.297	200.3	837	13.23
9/30/2010 10:00	17108	1_60	2010	273	1000	24.72	586.3	7.563	2.423	302.2	945	13.13
9/30/2010 11:00	17109	1_60	2010	273	1100	24.7	720.4	7.559	3.652	293	1027	13.06
9/30/2010 12:00	17110	1_60	2010	273	1200	24.68	786.2	7.556	3.652	286.3	1118	13
9/30/2010 13:00	17111	1_60	2010	273	1300	24.65	794.4	7.551	7.543	228.7	1246	12.95
9/30/2010 14:00	17112	1_60	2010	273	1400	24.64	710.1	7.537	10.58	223.1	1316	12.92
9/30/2010 15:00	17113	1_60	2010	273	1500	24.63	603.2	7.51	8.94	200.8	1418	12.91
9/30/2010 16:00	17114	1_60	2010	273	1600	24.62	449.2	7.485	10.82	185.5	1544	12.9
9/30/2010 17:00	17115	1_60	2010	273	1700	24.62	252.6	7.462	6.793	226.4	1658	12.91
9/30/2010 18:00	17116	1_60	2010	273	1800	24.64	58.11	7.44	9.76	187.4	1714	12.93
9/30/2010 19:00	17117	1_60	2010	273	1900	24.66	0.465	7.422	5.154	321.9	1800	12.99
9/30/2010 20:00	17118	1_60	2010	273	2000	24.68	0.028	7.404	2.867	208.3	1902	13.05
9/30/2010 21:00	17119	1_60	2010	273	2100	24.69	0.016	7.388	1.775	122.6	2037	13.12
9/30/2010 22:00	17120	1_60	2010	273	2200	24.71	0.025	7.378	2.048	97.9	2125	13.17
9/30/2010 23:00	17121	1_60	2010	273	2300	24.71	0.05	7.369	4.506	121.2	2259	13.2

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TOA5	CR3000	CR3000	2421	CR3000.Std.07	CPU:En	10892	HrlyData										
TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/1/2010 0:00	19618	2_60	2010	182	0	7.557571	160.4442	9.979202	8.36	65.38	48.4	77.85	25.43	25.78	0.3488268
7/1/2010 1:00	19619	2_60	2010	182	100	7.272595	157.2496	10.1923	6.879	67.93	43.11	80	24.97	25.11	0.139439
7/1/2010 2:00	19620	2_60	2010	182	200	2.42878	176.6518	45.12953	4.247	34.3	7.98	37.36	22.66	23.62	0.9581926
7/1/2010 3:00	19621	2_60	2010	182	300	2.364749	168.6286	25.43246	6.987	31.66	18.13	37.5	22.68	23.71	1.03843
7/1/2010 4:00	19622	2_60	2010	182	400	7.950728	162.6328	9.859231	14.44	63.34	59.07	75.58	23.68	23.74	0.06055896
7/1/2010 5:00	19623	2_60	2010	182	500	6.464239	160.9988	14.04433	9.02	67.56	42.35	77.77	22.83	22.92	0.08867715
7/1/2010 6:00	19624	2_60	2010	182	600	7.67981	165.391	10.57626	12.87	57.65	56.76	69.97	22.9	22.83	-0.07318571
7/1/2010 7:00	19625	2_60	2010	182	700	5.53501	167.9857	17.62133	8.35	69.19	37.3	78.16	24.34	23.86	-0.4841506
7/1/2010 8:00	19626	2_60	2010	182	800	4.166673	239.2286	23.76029	9.75	45	19.41	52.64	24.94	24.06	-0.875819
7/1/2010 9:00	19627	2_60	2010	182	900	4.940192	262.556	20.45882	8.21	57.55	29.47	65.68	25.14	24.17	-0.9634897
7/1/2010 10:00	19628	2_60	2010	182	1000	6.719322	245.0821	14.87068	8.73	64.35	46.07	74.71	25.57	24.34	-1.222097
7/1/2010 11:00	19629	2_60	2010	182	1100	4.195364	231.479	30.83237	4.474	62.38	26.29	68.57	25.5	24.52	-0.9804414
7/1/2010 12:00	19630	2_60	2010	182	1200	2.735976	214.0528	42.9218	-2.27	69.76	10.44	72.81	26.01	25.14	-0.8688932
7/1/2010 13:00	19631	2_60	2010	182	1300	2.239964	333.933	47.99738	-4.77	60.92	-5.618	61.58	27.37	26.44	-0.9275498
7/1/2010 14:00	19632	2_60	2010	182	1400	3.962528	237.4282	31.02798	0.469	58.89	18.54	65.91	28.26	27.26	-1.003153
7/1/2010 15:00	19633	2_60	2010	182	1500	3.236056	207.2779	54.11823	-0.216	69.93	8.67	73.81	29.48	28.3	-1.172691
7/1/2010 16:00	19634	2_60	2010	182	1600	4.476169	306.1796	23.31771	23.41	53.89	20.37	58.07	28.77	27.79	-0.9779299
7/1/2010 17:00	19635	2_60	2010	182	1700	1.865612	78.60088	41.85107	-0.356	26.17	-1.674	29.81	28.31	28.27	-0.04003244
7/1/2010 18:00	19636	2_60	2010	182	1800	2.428576	333.1498	40.65427	8.29	43.39	5.204	44.88	27.23	27.28	0.0428025
7/1/2010 19:00	19637	2_60	2010	182	1900	10.09877	184.6002	14.90497	33.64	92	107.5	107.4	24.32	24.4	0.08425106
7/1/2010 20:00	19638	2_60	2010	182	2000	9.889066	165.33	8.171532	35.51	48.41	104.6	62.3	24.7	25.21	0.5155429
7/1/2010 21:00	19639	2_60	2010	182	2100	3.296302	100.6735	16.86371	0.912	19.14	3.991	22.83	22.48	23.1	0.6213474
7/1/2010 22:00	19640	2_60	2010	182	2200	2.751473	170.5707	30.36229	15.81	22.58	28.54	28.08	20.66	22.72	2.060859
7/1/2010 23:00	19641	2_60	2010	182	2300	0.7408947	240.3657	55.24902	0.874	8.55	0.36	6.581	18.88	21.73	2.854844
7/2/2010 0:00	19642	2_60	2010	183	0	1.134389	249.8037	43.13408	0.247	6.548	0.708	6.178	18.15	20.07	1.918844
7/2/2010 1:00	19643	2_60	2010	183	100	0.7833025	224.2414	38.13931	1.659	6.793	1.597	6.651	17.69	20.67	2.978691
7/2/2010 2:00	19644	2_60	2010	183	200	2.65426	131.5521	20.20746	6.133	20.67	11.47	26.57	18.08	20.34	2.266222
7/2/2010 3:00	19645	2_60	2010	183	300	3.143372	150.3085	27.78724	5.833	21.12	14.95	24.94	17.82	19.35	1.532406
7/2/2010 4:00	19646	2_60	2010	183	400	0.9069508	342.5045	63.32574	-0.863	16.95	-1.614	15.74	16.66	18.5	1.842334
7/2/2010 5:00	19647	2_60	2010	183	500	0.9515207	274.9513	30.65545	0.586	4.473	0.903	5.876	16.82	17.9	1.078017
7/2/2010 6:00	19648	2_60	2010	183	600	2.138791	297.8844	39.01718	12.35	20.18	11.23	19.38	15.3	16.69	1.393712
7/2/2010 7:00	19649	2_60	2010	183	700	1.278379	138.4999	69.47727	3.647	21.21	4.281	21.49	19.1	18.84	-0.2570899
7/2/2010 8:00	19650	2_60	2010	183	800	3.020565	314.0316	19.56242	14.83	31.23	9.43	34.31	21.39	20.52	-0.8713629
7/2/2010 9:00	19651	2_60	2010	183	900	2.79406	308.7276	14.26068	10.21	36.79	4.955	38.45	23.02	22.01	-1.016136
7/2/2010 10:00	19652	2_60	2010	183	1000	2.831402	336.3272	48.54291	7.044	51.65	1.464	54.1	26.7	25.65	-1.049143
7/2/2010 11:00	19653	2_60	2010	183	1100	5.009447	184.6304	35.9015	17.36	75.13	46.57	84.9	29.46	27.78	-1.673042
7/2/2010 12:00	19654	2_60	2010	183	1200	5.695899	183.4895	35.82888	6.566	85.4	37.53	96.3	30.3	28.73	-1.569526
7/2/2010 13:00	19655	2_60	2010	183	1300	9.091896	209.6299	34.38393	23.01	110.8	79.13	136.3	29.17	28.04	-1.12996
7/2/2010 14:00	19656	2_60	2010	183	1400	5.427436	270.4796	21.75573	2.559	65.81	23.61	70.63	27	25.9	-1.10194
7/2/2010 15:00	19657	2_60	2010	183	1500	8.129429	202.4771	19.36968	10.2	97.2	55.93	112.8	30.06	28.61	-1.446684
7/2/2010 16:00	19658	2_60	2010	183	1600	8.643955	177.8049	26.82705	19.22	128.7	68.66	142.6	28.21	27.26	-0.9463344
7/2/2010 17:00	19659	2_60	2010	183	1700	7.072284	169.7846	22.22874	10.68	121.7	49.12	131	27.6	26.82	-0.7839302
7/2/2010 18:00	19660	2_60	2010	183	1800	9.795581	166.841	28.77441	30.59	83.7	95.1	100.2	24.7	24.32	-0.3831472
7/2/2010 19:00	19661	2_60	2010	183	1900	8.963191	157.937	10.23035	26.01	63.31	79.11	76.89	24.23	23.74	-0.4907648
7/2/2010 20:00	19662	2_60	2010	183	2000	2.187772	98.20782	36.0555	-1.814	39.17	-3.896	40.28	23.76	24.03	0.2777933
7/2/2010 21:00	19663	2_60	2010	183	2100	2.136537	138.0826	15.17381	3.479	8.99	8.8	13.39	21.82	23.17	1.34965
7/2/2010 22:00	19664	2_60	2010	183	2200	3.43522	134.264	14.5849	3.975	12.75	16.58	17.28	20.65	22.23	1.581955
7/2/2010 23:00	19665	2_60	2010	183	2300	1.704014	108.7179	31.40568	0.675	7.108	1.479	8.42	19.59	21.79	2.200627
7/3/2010 0:00	19666	2_60	2010	184	0	0.8183731	340.6723	48.82155	1.073	5.829	0.55	4.253	19.55	21.21	1.656417
7/3/2010 1:00	19667	2_60	2010	184	100	1.451429	253.5448	37.91748	3.556	10.05	2.751	9.44	18.61	20.03	1.421536
7/3/2010 2:00	19668	2_60	2010	184	200	0.7025792	176.136	32.83714	-0.089	3.857	0.208	4.787	17.83	20.76	2.931004
7/3/2010 3:00	19669	2_60	2010	184	300	0.717451	269.8219	36.18931	-0.209	0.967	-0.153	0.683	18.58	20.59	2.011342
7/3/2010 4:00	19670	2_60	2010	184	400	0.6862198	205.8289	29.71389	0.425	9.56	0.737	9.74	18.53	20.56	2.022565
7/3/2010 5:00	19671	2_60	2010	184	500	0.9720879	348.3581	48.77061	0.68	4.538	0.261	3.359	17.82	20.37	2.548799
7/3/2010 6:00	19672	2_60	2010	184	600	1.100913	264.0965	32.87477	-0.843	13.97	-0.747	11.75	18.76	20.27	1.51453
7/3/2010 7:00	19673	2_60	2010	184	700	1.14238	320.7632	56.06906	5.006	13.52	2.962	11.8	19.68	19.72	0.03801422
7/3/2010 8:00	19674	2_60	2010	184	800	1.547913	319.8056	26.90558	8.11	29.97	5.121	29.41	22.09	21.46	-0.6280975
7/3/2010 9:00	19675	2_60	2010	184	900	3.448141	339.0025	48.26325	-5.032	79.73	-6.148	85.9	25.23	24.41	-0.8209227
7/3/2010 10:00	19676	2_60	2010	184	1000	4.900942	246.117	76.75973	-2.473	129.2	12.05	138.6	27.25	26.26	-0.986088
7/3/2010 11:00	19677	2_60	2010	184	1100	7.454586	242.6772	36.09224	9.58	129.7	47.09	141.5	28.11	26.85	-1.261399
7/3/2010 12:00	19678	2_60	2010	184	1200	9.511853	248.385	17.97662	17.62	110.2	68.32	123.7	28.96	27.36	-1.598276
7/3/2010 13:00	19679	2_60	2010	184	1300	9.093516	242.4262	20.11549	1.322	101.9	50.79	118.6	29.75	28.13	-1.627565
7/3/2010 14:00	19680	2_60	2010	184	1400	6.91277	236.4052	42.38552	5.13	160	40.84	172.5	30.23	28.86	-1.37486
7/3/2010 15:00	19681	2_60	2010	184	1500	8.105995	246.3498	22.36909	13.34	100.2	56.22	114.3	30.69	29.14	-1.541592
7/3/2010 16:00	19682	2_60	2010	184	1600	6.124572	229.5435	35.40383	8.29	93.4	41.17	102.6	30.68	29.47	-1.21158
7/3/2010 17:00	19683	2_60	2010	184	1700	5.761207	236.4755	33.92389	10.74	98.9	39.21	108.1	30.65	29.75	-0.9013259
7/3/2010 18:00	19684	2_60	2010	184	1800	4.163028	259.4785	32.39965	0.665	57.47	18.97	65.61	30.12	29.68	-0.4401849
7/3/2010 19:00	19685	2_60	2010	184	1900	4.355423	250.3677	24.51778	3.022	67.35	22.67	71.87	29.69	29.55	-0.1328878
7/3/2010 20:00	19686	2_60	2010	184	2000	3.977008	237.6924	16.73527	2.908	48.62	23.74	53.86	28.7	29.12	0.4196715
7/3/2010 21:00	19687	2_60	2010	184	2100	4.283241	265.2465	13.21057	20.93	22.84	42.25	29.26	24.79	27.57	2.778448
7/3/2010 22:00	19688	2_60	2010	184	2200	1.180555	243.5811	38.40484	1.756	12.43	4.326	12.66	23.21	26.05	2.842438
7/3/2010 23:00	19689	2_60	2010	184	2300	1.143914	105.3951	30.58677	-0.391	2.775	0.107	2.96	21.6	24.97	3.369741

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TOA5	CR3000	CR3000	2421	CR3000.Std.07	CPU:En									
TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg	
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts	
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg	
7/1/2010 0:00	19618	2_60	2010	182	0	16.27	78.19	24.59	0.007	12.97	155.1	2342	13.09	
7/1/2010 1:00	19619	2_60	2010	182	100	16.7	77.34	24.6	0.007	11.78	168.5	26	13.08	
7/1/2010 2:00	19620	2_60	2010	182	200	22.12	73.4	24.6	0.011	8.84	150.4	104	13.09	
7/1/2010 3:00	19621	2_60	2010	182	300	27.09	72.91	24.61	0.008	9.15	174.7	259	13.11	
7/1/2010 4:00	19622	2_60	2010	182	400	29.65	74.99	24.62	0.016	13.11	160.8	350	13.11	
7/1/2010 5:00	19623	2_60	2010	182	500	29.97	73.48	24.63	1.374	13.72	160.3	455	13.11	
7/1/2010 6:00	19624	2_60	2010	182	600	30.05	73.57	24.64	79.36	11.74	171.7	507	13.11	
7/1/2010 7:00	19625	2_60	2010	182	700	27.51	76.25	24.66	273.7	10.58	146	601	13.09	
7/1/2010 8:00	19626	2_60	2010	182	800	26.23	77.83	24.66	500.1	7.543	187.3	701	13.06	
7/1/2010 9:00	19627	2_60	2010	182	900	28.74	77.91	24.65	426.5	11.64	237.6	859	13.03	
7/1/2010 10:00	19628	2_60	2010	182	1000	30.25	78.29	24.65	547.3	11.16	243.5	929	13.03	
7/1/2010 11:00	19629	2_60	2010	182	1100	30.15	78.46	24.65	421.4	9.76	251.9	1000	13.02	
7/1/2010 12:00	19630	2_60	2010	182	1200	29.07	79.54	24.62	484.6	7.168	195.4	1134	13.01	
7/1/2010 13:00	19631	2_60	2010	182	1300	26.98	82.2	24.59	560.6	6.656	215.3	1254	13	
7/1/2010 14:00	19632	2_60	2010	182	1400	24.61	83.5	24.57	489.8	11.4	204.4	1334	12.98	
7/1/2010 15:00	19633	2_60	2010	182	1500	22.1	85.9	24.56	625.7	8.23	163.6	1440	12.96	
7/1/2010 16:00	19634	2_60	2010	182	1600	24.51	84.3	24.53	353.5	10.79	309	1506	12.96	
7/1/2010 17:00	19635	2_60	2010	182	1700	27.83	83.8	24.51	157.9	7.919	128.2	1623	12.98	
7/1/2010 18:00	19636	2_60	2010	182	1800	30.26	81.8	24.54	90.6	10.99	205	1758	13	
7/1/2010 19:00	19637	2_60	2010	182	1900	37.87	76.22	24.54	57.96	18.12	177	1807	13.04	
7/1/2010 20:00	19638	2_60	2010	182	2000	30.76	76.78	24.53	35.37	17.58	161.4	1905	13.06	
7/1/2010 21:00	19639	2_60	2010	182	2100	41	73.07	24.55	0.051	8.16	85.8	2008	13.08	
7/1/2010 22:00	19640	2_60	2010	182	2200	44.48	69.82	24.55	0.012	6.042	146.9	2126	13.11	
7/1/2010 23:00	19641	2_60	2010	182	2300	49.77	66.35	24.55	0.014	2.526	68.52	2241	13.15	
7/2/2010 0:00	19642	2_60	2010	183	0	52.45	65.17	24.55	0.005	3.14	297	2314	13.18	
7/2/2010 1:00	19643	2_60	2010	183	100	55.48	64.4	24.54	0.003	1.877	239.4	8	13.21	
7/2/2010 2:00	19644	2_60	2010	183	200	54.94	65.03	24.54	0.001	6.042	106.7	159	13.22	
7/2/2010 3:00	19645	2_60	2010	183	300	55.01	64.64	24.54	0.002	5.769	119.1	202	13.22	
7/2/2010 4:00	19646	2_60	2010	183	400	60.23	62.3	24.53	0.002	2.492	310.8	300	13.21	
7/2/2010 5:00	19647	2_60	2010	183	500	58.99	62.65	24.54	0.596	3.311	265.9	459	13.22	
7/2/2010 6:00	19648	2_60	2010	183	600	66.43	59.97	24.55	38.17	5.393	303.1	513	13.24	
7/2/2010 7:00	19649	2_60	2010	183	700	49.13	68.13	24.55	231.6	3.857	317.1	614	13.21	
7/2/2010 8:00	19650	2_60	2010	183	800	44.52	71.77	24.54	462.7	6.383	301.4	728	13.14	
7/2/2010 9:00	19651	2_60	2010	183	900	39.97	74.71	24.53	578.1	5.188	298.5	810	13.09	
7/2/2010 10:00	19652	2_60	2010	183	1000	30.94	81	24.51	738.9	6.178	303.3	923	13.04	
7/2/2010 11:00	19653	2_60	2010	183	1100	24.9	85.4	24.49	919	12.66	200.8	1024	12.99	
7/2/2010 12:00	19654	2_60	2010	183	1200	22.42	86.8	24.47	841	12.22	193	1128	12.96	
7/2/2010 13:00	19655	2_60	2010	183	1300	24.53	84.9	24.49	542.6	26.21	238.8	1244	12.95	
7/2/2010 14:00	19656	2_60	2010	183	1400	27.11	81.2	24.44	868	14.47	244.9	1302	12.99	
7/2/2010 15:00	19657	2_60	2010	183	1500	20.08	86.3	24.45	784.4	18.06	165.8	1437	12.96	
7/2/2010 16:00	19658	2_60	2010	183	1600	24.09	82.9	24.41	445.2	18.02	197.5	1541	12.97	
7/2/2010 17:00	19659	2_60	2010	183	1700	23.42	81.9	24.45	244.3	19.97	227.3	1658	12.98	
7/2/2010 18:00	19660	2_60	2010	183	1800	32.05	76.73	24.42	128.9	18.26	168.7	1730	13.02	
7/2/2010 19:00	19661	2_60	2010	183	1900	34.06	75.82	24.42	153	14.57	152.2	1834	13.05	
7/2/2010 20:00	19662	2_60	2010	183	2000	32.95	75.34	24.4	23.75	6.246	34.02	1914	13.06	
7/2/2010 21:00	19663	2_60	2010	183	2100	37.54	71.69	24.4	0.032	3.55	128.4	2051	13.09	
7/2/2010 22:00	19664	2_60	2010	183	2200	41.13	69.67	24.41	0.003	5.427	131.8	2131	13.12	
7/2/2010 23:00	19665	2_60	2010	183	2300	44.34	67.52	24.41	0.004	3.482	111.7	2214	13.15	
7/3/2010 0:00	19666	2_60	2010	184	0	45.88	67.45	24.42	0.004	2.901	290.9	2353	13.16	
7/3/2010 1:00	19667	2_60	2010	184	100	49.01	65.9	24.42	0.002	4.983	296.2	1	13.17	
7/3/2010 2:00	19668	2_60	2010	184	200	48.71	64.43	24.42	0	2.219	57.27	121	13.19	
7/3/2010 3:00	19669	2_60	2010	184	300	47.29	65.66	24.42	0.001	1.741	111.5	203	13.2	
7/3/2010 4:00	19670	2_60	2010	184	400	48.58	65.79	24.42	0.001	3.14	98.5	356	13.21	
7/3/2010 5:00	19671	2_60	2010	184	500	51.2	64.54	24.43	0.668	2.389	77.18	403	13.21	
7/3/2010 6:00	19672	2_60	2010	184	600	48.23	66.62	24.44	57.5	2.56	299.6	559	13.22	
7/3/2010 7:00	19673	2_60	2010	184	700	44.67	69.81	24.44	234.5	3.072	305.9	608	13.19	
7/3/2010 8:00	19674	2_60	2010	184	800	39.03	74.2	24.44	435.8	3.243	305.3	759	13.13	
7/3/2010 9:00	19675	2_60	2010	184	900	29.5	78.23	24.44	630.2	12.6	233.3	854	13.07	
7/3/2010 10:00	19676	2_60	2010	184	1000	18	81.7	24.43	802	17.68	257	948	13.03	
7/3/2010 11:00	19677	2_60	2010	184	1100	13.93	83	24.43	931	20.65	248.8	1044	13	
7/3/2010 12:00	19678	2_60	2010	184	1200	13.61	84.2	24.41	995	19.05	232.1	1145	12.99	
7/3/2010 13:00	19679	2_60	2010	184	1300	12.33	85.6	24.41	995	18.06	217.2	1224	12.98	
7/3/2010 14:00	19680	2_60	2010	184	1400	10.44	86.7	24.4	1021	16.93	216	1318	12.96	
7/3/2010 15:00	19681	2_60	2010	184	1500	10.38	87.5	24.38	934	16.79	259.6	1428	12.95	
7/3/2010 16:00	19682	2_60	2010	184	1600	11.01	87.5	24.36	601.4	12.83	245.1	1500	12.94	
7/3/2010 17:00	19683	2_60	2010	184	1700	11.01	87.6	24.34	476.8	12.46	248.4	1653	12.95	
7/3/2010 18:00	19684	2_60	2010	184	1800	10.72	87.1	24.33	243.4	12.15	253.6	1709	12.96	
7/3/2010 19:00	19685	2_60	2010	184	1900	10.24	86.1	24.33	101.3	10.48	263.4	1804	12.97	
7/3/2010 20:00	19686	2_60	2010	184	2000	10.25	84.2	24.33	23.3	8.74	252.4	1900	13	
7/3/2010 21:00	19687	2_60	2010	184	2100	11.86	77.29	24.35	0.018	6.076	247.2	2035	13.04	
7/3/2010 22:00	19688	2_60	2010	184	2200	11.46	74.3	24.36	0.001	2.662	290	2100	13.09	
7/3/2010 23:00	19689	2_60	2010	184	2300	11.88	71.82	24.37	0.004	1.911	198.5	2258	13.13	

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
7/4/2010 0:00	19690	2_60	2010	185	0	1.35199	167.4814	46.88183	1.056	21.24	6.469	23.76	20.67	24.45	3.780856
7/4/2010 1:00	19691	2_60	2010	185	100	2.242982	144.5964	39.69449	15.39	29.15	29.86	43.87	21.27	23.27	1.998881
7/4/2010 2:00	19692	2_60	2010	185	200	0.9329503	52.08891	31.00612	0.225	11.3	-0.933	11.25	18.29	20.48	2.186747
7/4/2010 3:00	19693	2_60	2010	185	300	1.08359	88.91184	66.73888	7.263	24.55	10	28.83	18.42	21.15	2.727295
7/4/2010 4:00	19694	2_60	2010	185	400	2.205319	170.517	52.70477	28.65	45.88	43.88	61.19	19.18	21.08	1.901529
7/4/2010 5:00	19695	2_60	2010	185	500	1.269729	324.1144	37.9051	10.03	29.19	10.88	31.86	16.62	19.26	2.646659
7/4/2010 6:00	19696	2_60	2010	185	600	1.2067	22.67505	21.6614	0.693	4.991	0.109	4.474	17.4	19.36	1.958265
7/4/2010 7:00	19697	2_60	2010	185	700	1.65794	325.5096	16.86055	7.99	14.41	5.237	14.85	18.74	18.89	0.1443949
7/4/2010 8:00	19698	2_60	2010	185	800	1.513838	302.9995	17.53021	7.237	23.47	5.85	23.29	20.55	19.89	-0.6554927
7/4/2010 9:00	19699	2_60	2010	185	900	1.684474	319.9735	37.25214	12.54	35.95	10.38	37.3	23.36	22.49	-0.874786
7/4/2010 10:00	19700	2_60	2010	185	1000	3.587147	242.5209	42.03128	8.73	62.97	25.74	70.32	26.2	24.97	-1.229765
7/4/2010 11:00	19701	2_60	2010	185	1100	4.635884	191.482	29.13909	9.68	73.37	31.92	81.2	27.31	25.9	-1.410986
7/4/2010 12:00	19702	2_60	2010	185	1200	4.873394	208.8719	39.53579	19.04	86	43.74	93.3	28.11	26.57	-1.544073
7/4/2010 13:00	19703	2_60	2010	185	1300	6.33476	196.4553	35.3325	5.847	98.6	40.49	111	28.81	27.14	-1.673938
7/4/2010 14:00	19704	2_60	2010	185	1400	5.202422	217.9196	38.5981	11.47	93.4	39.61	103.4	28.35	27.28	-1.073729
7/4/2010 15:00	19705	2_60	2010	185	1500	6.840858	270.7202	25.00322	17.91	75.82	38.03	83	27.74	26.98	-0.7640593
7/4/2010 16:00	19706	2_60	2010	185	1600	12.17095	341.5504	16.85387	90.5	78.42	79.52	93.5	24.36	23.38	-0.9715588
7/4/2010 17:00	19707	2_60	2010	185	1700	10.57138	326.9789	9.458052	67.98	64.91	58.37	78.05	21.69	21.05	-0.6341173
7/4/2010 18:00	19708	2_60	2010	185	1800	7.848794	300.6315	13.40717	41.67	57.94	37.07	64.24	20.91	20.51	-0.4030968
7/4/2010 19:00	19709	2_60	2010	185	1900	4.428809	321.1979	24.55401	25.2	38.25	20.46	42.55	20.97	20.42	-0.5481792
7/4/2010 20:00	19710	2_60	2010	185	2000	3.042599	299.8479	23.32721	17.19	20.8	13.75	21.9	19.93	20.2	0.2745456
7/4/2010 21:00	19711	2_60	2010	185	2100	1.410614	279.5985	46.25533	2.732	11.89	1.838	9.23	17.13	19.36	2.226466
7/4/2010 22:00	19712	2_60	2010	185	2200	2.367257	288.8606	23.24889	10.32	18.43	8.3	15.62	15.38	18.6	3.226032
7/4/2010 23:00	19713	2_60	2010	185	2300	1.205955	278.7066	55.8903	2.182	17.96	3.114	16.82	14.91	17	2.081509
7/5/2010 0:00	19714	2_60	2010	186	0	0.7151195	61.28236	43.9571	-0.141	4.034	-0.08	3.108	13.83	16.48	2.6512
7/5/2010 1:00	19715	2_60	2010	186	100	0.8550621	106.2898	25.35425	-0.239	0.256	-0.225	0.171	12.88	15.73	2.847973
7/5/2010 2:00	19716	2_60	2010	186	200	0.9645198	145.283	19.36167	-0.413	2.246	-0.189	1.5	12.34	15.72	3.376695
7/5/2010 3:00	19717	2_60	2010	186	300	1.549565	177.6891	25.45744	0.235	12.4	4.485	17.33	12.53	15.22	2.692636
7/5/2010 4:00	19718	2_60	2010	186	400	2.327872	194.3866	28.43892	2.03	21.47	8.96	22.6	12.32	14.14	1.814125
7/5/2010 5:00	19719	2_60	2010	186	500	1.225893	265.458	17.98851	1.454	10.02	1.416	5.975	11.23	12.88	1.653263
7/5/2010 6:00	19720	2_60	2010	186	600	2.393368	286.4746	14.39919	13.35	16.35	11.32	14.28	9.55	10.66	1.104512
7/5/2010 7:00	19721	2_60	2010	186	700	0.634765	346.3417	32.75311	1.587	14.26	0.802	12.67	12.29	12.22	-0.06935366
7/5/2010 8:00	19722	2_60	2010	186	800	0.4781783	349.5674	40.85255	-5.535	38.39	-5.846	37.12	15.06	14.57	-0.495822
7/5/2010 9:00	19723	2_60	2010	186	900	0.9122124	338.3735	45.99022	7.317	49.93	6.793	47.93	17.64	16.94	-0.7064164
7/5/2010 10:00	19724	2_60	2010	186	1000	1.325993	231.6073	61.94041	8.03	54.4	12.62	55.15	20.19	19.11	-1.087511
7/5/2010 11:00	19725	2_60	2010	186	1100	1.829881	311.919	44.95481	27.21	60.15	24.03	61.57	22.39	21.09	-1.294732
7/5/2010 12:00	19726	2_60	2010	186	1200	1.908506	109.4952	46.63755	12.7	61.47	15.37	65.48	23.92	22.53	-1.390312
7/5/2010 13:00	19727	2_60	2010	186	1300	2.274384	290.5211	60.97307	10.27	61.82	8.03	62.84	25.03	23.62	-1.412254
7/5/2010 14:00	19728	2_60	2010	186	1400	2.61136	303.6719	57.55836	17.47	68.75	16.18	71.97	26.13	24.65	-1.479509
7/5/2010 15:00	19729	2_60	2010	186	1500	1.854657	37.40344	56.90255	-4.67	68.42	-7.465	71.27	26.99	25.76	-1.227904
7/5/2010 16:00	19730	2_60	2010	186	1600	1.68237	18.00636	52.67165	14.29	57.51	9.41	60.83	27.95	26.92	-1.027661
7/5/2010 17:00	19731	2_60	2010	186	1700	2.761293	233.8792	32.84793	11.98	52.41	22.65	55.79	28.71	27.5	-1.216476
7/5/2010 18:00	19732	2_60	2010	186	1800	2.160465	261.8856	45.10804	-11.06	42.31	-4.86	46.57	28.45	27.67	-0.785259
7/5/2010 19:00	19733	2_60	2010	186	1900	2.871671	252.832	19.83058	1.257	30.6	15.99	33.91	27.88	27.5	-0.3835503
7/5/2010 20:00	19734	2_60	2010	186	2000	3.84707	242.101	7.369322	11.98	17.1	36.04	19.86	24.64	26.6	1.960219
7/5/2010 21:00	19735	2_60	2010	186	2100	2.210573	223.3805	23.38013	7.252	16.59	16.9	22.73	21.56	25.24	3.679294
7/5/2010 22:00	19736	2_60	2010	186	2200	1.116184	240.6776	16.15944	2.775	6.325	3.494	7.462	20.21	24.8	4.597536
7/5/2010 23:00	19737	2_60	2010	186	2300	1.210277	246.1795	21.41557	-0.75	5.547	1.926	5.282	19.44	22.8	3.361494
7/6/2010 0:00	19738	2_60	2010	187	0	1.157373	203.9184	27.1592	0.097	13.42	2.01	14.98	17.91	21.51	3.600302
7/6/2010 1:00	19739	2_60	2010	187	100	0.7894472	192.8748	33.25393	1.231	7.63	2.742	9.26	16.03	19.21	3.184854
7/6/2010 2:00	19740	2_60	2010	187	200	1.350309	202.5878	46.92656	0.404	15.65	3.466	18.52	14.87	18.41	3.543846
7/6/2010 3:00	19741	2_60	2010	187	300	0.644809	237.1334	21.42368	0.183	2.194	0.439	2.552	14.7	17.54	2.840263
7/6/2010 4:00	19742	2_60	2010	187	400	0.6215119	214.6855	37.30471	0.556	3.666	0.247	3.119	12.95	16.8	3.848292
7/6/2010 5:00	19743	2_60	2010	187	500	0.6095338	171.3512	41.59758	-0.328	2.453	0.298	3.408	12.44	15.74	3.303527
7/6/2010 6:00	19744	2_60	2010	187	600	1.624797	284.8481	15.37866	2.051	10.04	2.942	7.859	12.54	13.87	1.32497
7/6/2010 7:00	19745	2_60	2010	187	700	0.8268786	284.0202	19.34215	2.352	8.41	2.285	8.12	14.71	14.3	-0.4169365
7/6/2010 8:00	19746	2_60	2010	187	800	0.4520928	345.8723	44.26899	1.35	23.24	1.855	22.85	17.85	17.24	-0.6066881
7/6/2010 9:00	19747	2_60	2010	187	900	0.8640555	338.5455	35.70292	7.501	43.53	7.174	44.15	20.79	20.06	-0.7315659
7/6/2010 10:00	19748	2_60	2010	187	1000	0.8815475	327.7768	42.50835	11.91	50.13	9.33	50.18	23.7	22.84	-0.8605092
7/6/2010 11:00	19749	2_60	2010	187	1100	1.902924	337.0739	51.08589	6.725	50.52	2.209	53.3	27.65	26.6	-1.043168
7/6/2010 12:00	19750	2_60	2010	187	1200	2.960887	215.9434	59.64879	13.3	83.5	23.88	88.2	30.36	28.93	-1.427204
7/6/2010 13:00	19751	2_60	2010	187	1300	4.780198	221.8448	35.17676	7.548	75.86	28.99	84.7	31.23	29.53	-1.701296
7/6/2010 14:00	19752	2_60	2010	187	1400	4.692038	187.998	52.28864	-4.58	83.4	18.83	97.8	31.56	29.96	-1.603479
7/6/2010 15:00	19753	2_60	2010	187	1500	4.064476	247.6503	35.65962	16.25	76.84	32.17	82.4	31.84	30.42	-1.421744
7/6/2010 16:00	19754	2_60	2010	187	1600	4.591718	207.6115	28.8178	2.629	67.58	27.42	75.01	32.1	30.67	-1.431479
7/6/2010 17:00	19755	2_60	2010	187	1700	3.501044	232.2152	50.26797	11.51	65.53	26.4	72.33	31.95	30.81	-1.133451
7/6/2010 18:00	19756	2_60	2010	187	1800	2.836731	217.096	48.51378	6.898	49.39	16.53	52.67	31.56	30.72	-0.8400655
7/6/2010 19:00	19757	2_60	2010	187	1900	4.462266	261.406	31.93791	1.325	41.92	20.71	46.96	30.73	30.46	-0.2686616
7/6/2010 20:00	19758	2_60	2010	187	2000	3.700604	235.3095	7.752874	10.61	20.13	36.03	26.45	27.63	29.74	2.115001
7/6/2010 21:00	19759	2_60	2010	187	2100	4.368948	260.5144	19.02955	18.77	19.87	42.78	29.46	25.36	28.31	2.947395
7/6/2010 22:00	19760	2_60	2010	187	2200	1.100598	284.1821	48.99859	3.102	11.71	3.144	11.13	22.46	26.06	3.595814
7/6/2010 23:00	19761	2_60	2010	187	2300	1.423043	237.7843	51.53848	1.723	10.28	7.441	14.34	21.81	25.65	3.834505

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/4/2010 0:00	19690	2_60	2010	185	0	12.54	69.83	24.37	0.003	3.277	162	2344	13.17
7/4/2010 1:00	19691	2_60	2010	185	100	14.73	69.96	24.39	0.004	7.202	194.6	49	13.19
7/4/2010 2:00	19692	2_60	2010	185	200	17.01	65.48	24.4	0.003	3.652	353.2	103	13.21
7/4/2010 3:00	19693	2_60	2010	185	300	17.05	65.3	24.41	0.001	5.188	180.8	255	13.24
7/4/2010 4:00	19694	2_60	2010	185	400	15.21	66.6	24.42	0.001	7.782	198.5	301	13.25
7/4/2010 5:00	19695	2_60	2010	185	500	18.17	62.49	24.44	0.785	6.144	209	400	13.25
7/4/2010 6:00	19696	2_60	2010	185	600	16.64	64.56	24.45	59.28	2.492	19.56	534	13.27
7/4/2010 7:00	19697	2_60	2010	185	700	17.64	67.89	24.47	238.5	2.833	336.1	645	13.23
7/4/2010 8:00	19698	2_60	2010	185	800	14.63	71.27	24.47	442.2	3.004	313.7	745	13.17
7/4/2010 9:00	19699	2_60	2010	185	900	12.93	75.78	24.47	638.6	3.686	327.7	842	13.1
7/4/2010 10:00	19700	2_60	2010	185	1000	12.48	80	24.46	804	9.08	240	943	13.04
7/4/2010 11:00	19701	2_60	2010	185	1100	12.04	81.7	24.46	927	10.24	161.9	1058	13.01
7/4/2010 12:00	19702	2_60	2010	185	1200	11.67	83	24.45	1005	11.33	193.8	1138	12.99
7/4/2010 13:00	19703	2_60	2010	185	1300	11.32	83.9	24.44	966	16.35	187.4	1223	12.97
7/4/2010 14:00	19704	2_60	2010	185	1400	11.38	83.4	24.42	462.8	14.13	180.8	1312	12.97
7/4/2010 15:00	19705	2_60	2010	185	1500	12.12	82.3	24.44	314.3	14.54	315.1	1454	12.99
7/4/2010 16:00	19706	2_60	2010	185	1600	19.89	76.15	24.49	219.6	21.47	347.5	1532	13
7/4/2010 17:00	19707	2_60	2010	185	1700	24.76	71.27	24.54	133.1	16.32	335.1	1615	13.05
7/4/2010 18:00	19708	2_60	2010	185	1800	26.24	69.97	24.55	49.32	15.09	298.4	1700	13.09
7/4/2010 19:00	19709	2_60	2010	185	1900	26.25	70.31	24.54	163.3	8.36	303.9	1800	13.11
7/4/2010 20:00	19710	2_60	2010	185	2000	27.23	68.63	24.56	42.53	5.53	311.2	1905	13.12
7/4/2010 21:00	19711	2_60	2010	185	2100	32.64	63.28	24.58	0.047	2.97	301.7	2037	13.17
7/4/2010 22:00	19712	2_60	2010	185	2200	31.78	60.07	24.59	0.001	5.461	295.3	2146	13.22
7/4/2010 23:00	19713	2_60	2010	185	2300	33	59.31	24.59	0.004	3.447	229.1	2216	13.26
7/5/2010 0:00	19714	2_60	2010	186	0	37.14	57.75	24.59	0.017	1.673	101.9	2333	13.29
7/5/2010 1:00	19715	2_60	2010	186	100	40.67	55.87	24.59	0.023	1.536	130.5	14	13.32
7/5/2010 2:00	19716	2_60	2010	186	200	42.46	54.79	24.59	0.026	2.048	103	128	13.34
7/5/2010 3:00	19717	2_60	2010	186	300	41.6	55.19	24.59	0.029	7.646	118.2	258	13.35
7/5/2010 4:00	19718	2_60	2010	186	400	42.51	54.67	24.6	0.032	7.066	119.1	300	13.35
7/5/2010 5:00	19719	2_60	2010	186	500	45.52	52.74	24.61	0.731	4.506	295	459	13.37
7/5/2010 6:00	19720	2_60	2010	186	600	50.47	50.2	24.63	60.04	5.222	295.2	511	13.39
7/5/2010 7:00	19721	2_60	2010	186	700	39.23	57.27	24.64	242.4	2.014	273.5	600	13.35
7/5/2010 8:00	19722	2_60	2010	186	800	32.51	62.27	24.64	446.2	2.287	33.09	744	13.27
7/5/2010 9:00	19723	2_60	2010	186	900	27.67	66.11	24.63	643	2.321	40.72	835	13.19
7/5/2010 10:00	19724	2_60	2010	186	1000	23.27	70.05	24.62	812	5.052	270.7	944	13.12
7/5/2010 11:00	19725	2_60	2010	186	1100	13.73	74.25	24.62	939	4.949	341.5	1058	13.07
7/5/2010 12:00	19726	2_60	2010	186	1200	13.93	76.14	24.6	1007	5.188	188.9	1120	13.04
7/5/2010 13:00	19727	2_60	2010	186	1300	11.4	78.3	24.58	1027	7.373	303.6	1250	13.01
7/5/2010 14:00	19728	2_60	2010	186	1400	12.47	80.1	24.56	988	8.53	331.9	1318	12.99
7/5/2010 15:00	19729	2_60	2010	186	1500	11.88	81.7	24.54	900	5.632	93.6	1409	12.97
7/5/2010 16:00	19730	2_60	2010	186	1600	11.03	83.6	24.52	758.4	4.813	177.7	1559	12.95
7/5/2010 17:00	19731	2_60	2010	186	1700	10.42	84.7	24.51	579.1	6.315	184.2	1601	12.94
7/5/2010 18:00	19732	2_60	2010	186	1800	10.06	84.7	24.51	379.4	7.168	272.5	1757	12.95
7/5/2010 19:00	19733	2_60	2010	186	1900	10.47	83.5	24.51	181.5	6.246	239.1	1818	12.97
7/5/2010 20:00	19734	2_60	2010	186	2000	12.04	77.05	24.52	23.23	6.076	268	1902	13.01
7/5/2010 21:00	19735	2_60	2010	186	2100	13.56	71.44	24.53	0.035	4.335	21.91	2015	13.08
7/5/2010 22:00	19736	2_60	2010	186	2200	15.62	68.65	24.54	0.001	2.082	218.7	2115	13.13
7/5/2010 23:00	19737	2_60	2010	186	2300	16.68	67.38	24.54	0	2.355	272.1	2226	13.18
7/6/2010 0:00	19738	2_60	2010	187	0	19.13	64.84	24.54	0	4.369	120.3	2353	13.21
7/6/2010 1:00	19739	2_60	2010	187	100	22.32	61.68	24.54	0.001	3.721	133.2	0	13.24
7/6/2010 2:00	19740	2_60	2010	187	200	24.05	59.31	24.54	0.002	5.188	130	128	13.27
7/6/2010 3:00	19741	2_60	2010	187	300	24.21	59.13	24.54	0.01	1.98	254.3	223	13.29
7/6/2010 4:00	19742	2_60	2010	187	400	27.35	56.09	24.54	0.019	1.502	256.6	349	13.32
7/6/2010 5:00	19743	2_60	2010	187	500	28.63	54.94	24.55	0.803	2.116	274.3	459	13.34
7/6/2010 6:00	19744	2_60	2010	187	600	28.07	55.5	24.56	58.74	3.243	304.9	551	13.35
7/6/2010 7:00	19745	2_60	2010	187	700	24.16	60.95	24.57	238.2	1.673	306	600	13.31
7/6/2010 8:00	19746	2_60	2010	187	800	19.57	67.22	24.57	442.5	1.468	64.72	740	13.23
7/6/2010 9:00	19747	2_60	2010	187	900	16.61	72.22	24.56	634.3	3.004	334.3	843	13.15
7/6/2010 10:00	19748	2_60	2010	187	1000	14.04	77.12	24.55	807	3.925	354.4	959	13.07
7/6/2010 11:00	19749	2_60	2010	187	1100	11.79	83.1	24.53	931	5.495	179.8	1100	13.02
7/6/2010 12:00	19750	2_60	2010	187	1200	9.02	87.5	24.51	1007	9.18	313.3	1157	12.98
7/6/2010 13:00	19751	2_60	2010	187	1300	8.44	88.7	24.5	1025	11.98	160.3	1214	12.95
7/6/2010 14:00	19752	2_60	2010	187	1400	8	89.2	24.49	992	18.98	204.1	1340	12.93
7/6/2010 15:00	19753	2_60	2010	187	1500	7.506	90.1	24.47	907	10.44	237.4	1424	12.92
7/6/2010 16:00	19754	2_60	2010	187	1600	7.552	90.2	24.46	771	13.79	212.4	1540	12.92
7/6/2010 17:00	19755	2_60	2010	187	1700	7.758	90.1	24.44	596.1	10.04	263.1	1658	12.92
7/6/2010 18:00	19756	2_60	2010	187	1800	7.851	89.8	24.43	369	6.861	262.3	1704	12.92
7/6/2010 19:00	19757	2_60	2010	187	1900	8.58	88.2	24.44	170.8	13.18	217.1	1804	12.94
7/6/2010 20:00	19758	2_60	2010	187	2000	10.19	82.4	24.45	22.21	5.7	227.8	1950	12.98
7/6/2010 21:00	19759	2_60	2010	187	2100	11.04	78.06	24.46	0.021	6.656	252.3	2020	13.03
7/6/2010 22:00	19760	2_60	2010	187	2200	12.4	73.34	24.48	0.001	2.901	326.8	2100	13.08
7/6/2010 23:00	19761	2_60	2010	187	2300	13.39	71.39	24.49	0.002	3.55	77.54	2259	13.13

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/7/2010 0:00	19762	2_60	2010	188	0	2.818517	135.9118	16.92438	0.484	16.41	8.99	21.5	20.62	24.04	3.421403
7/7/2010 1:00	19763	2_60	2010	188	100	1.856681	178.3492	33.83133	3.083	21.24	10.04	27.99	18.88	22.84	3.954482
7/7/2010 2:00	19764	2_60	2010	188	200	3.448134	156.3351	34.79177	4.581	22.27	17.08	32.14	17.88	20.57	2.690825
7/7/2010 3:00	19765	2_60	2010	188	300	1.371731	265.4683	45.32707	0.666	9.55	2.024	9.5	16.47	19.58	3.116571
7/7/2010 4:00	19766	2_60	2010	188	400	1.90239	269.5003	35.21851	8.55	18.46	6.894	16.03	16.4	18.42	2.023793
7/7/2010 5:00	19767	2_60	2010	188	500	0.9090542	200.0664	26.22442	1.869	9.65	1.598	7.9	16.18	17.3	1.121456
7/7/2010 6:00	19768	2_60	2010	188	600	1.007699	284.6956	45.65256	0.449	3.718	2.078	6.892	15.58	18.2	2.61314
7/7/2010 7:00	19769	2_60	2010	188	700	1.353441	283.324	53.45497	5.902	14.4	5.536	13.44	19.16	18.97	-0.1866414
7/7/2010 8:00	19770	2_60	2010	188	800	0.9857392	37.59247	50.01502	3.078	26.98	3.759	28.07	21.88	21.25	-0.632854
7/7/2010 9:00	19771	2_60	2010	188	900	3.579925	74.7166	21.91574	5.801	38.93	-1.21	44.89	25.48	24.3	-1.181019
7/7/2010 10:00	19772	2_60	2010	188	1000	5.100875	346.2365	17.64619	23.85	44.65	15.18	50.14	26.33	25.07	-1.269334
7/7/2010 11:00	19773	2_60	2010	188	1100	4.882046	315.6324	16.47544	21.12	54.08	10.51	60.24	28.24	26.75	-1.492225
7/7/2010 12:00	19774	2_60	2010	188	1200	4.329111	357.5562	23.71672	35.13	64.67	21.71	70.52	29.86	28.33	-1.53046
7/7/2010 13:00	19775	2_60	2010	188	1300	5.47753	323.4552	27.72294	32.37	69.4	21.18	79.25	30.79	29.11	-1.67592
7/7/2010 14:00	19776	2_60	2010	188	1400	5.393821	320.33	19.18169	29.59	60.66	20.64	69.48	30.4	28.95	-1.450668
7/7/2010 15:00	19777	2_60	2010	188	1500	8.195019	99.20979	21.29909	-3.286	52.52	3.176	64.51	26.91	26.18	-0.7322522
7/7/2010 16:00	19778	2_60	2010	188	1600	8.663891	99.1657	23.84398	16.32	71.45	18.96	83.4	26.89	25.93	-0.9577277
7/7/2010 17:00	19779	2_60	2010	188	1700	7.33705	109.9812	13.56056	6.657	55.73	18.47	69.74	27.92	26.56	-1.360034
7/7/2010 18:00	19780	2_60	2010	188	1800	5.220881	94.40665	10.64128	-2.528	42.77	-3.86	51.94	28.12	27.19	-0.929411
7/7/2010 19:00	19781	2_60	2010	188	1900	4.912245	94.8243	9.303638	-1.994	32.04	-1.441	39.1	27.73	27.29	-0.4430408
7/7/2010 20:00	19782	2_60	2010	188	2000	3.859561	119.941	7.807981	-2.242	18.51	7.603	20.26	25.79	26.31	0.5264902
7/7/2010 21:00	19783	2_60	2010	188	2100	5.535896	327.2545	19.59904	32.36	44.92	29.68	46.17	24.06	24.39	0.3318112
7/7/2010 22:00	19784	2_60	2010	188	2200	4.574536	306.8701	12.5225	24.06	30.92	20.66	33.15	21.67	22.27	0.5974876
7/7/2010 23:00	19785	2_60	2010	188	2300	4.055544	263.8564	10.44443	-2.773	27.37	18.7	31.32	21.63	22.47	0.843029
7/8/2010 0:00	19786	2_60	2010	189	0	1.755644	176.0294	36.75498	0.465	20.42	3.626	21.39	20.36	22.16	1.796675
7/8/2010 1:00	19787	2_60	2010	189	100	4.829144	125.2618	9.384899	-1.622	29.02	15.06	33.85	21.58	22.12	0.5467974
7/8/2010 2:00	19788	2_60	2010	189	200	1.752119	152.2617	28.14414	0.062	12.09	4.592	15.31	19.93	21.45	1.517009
7/8/2010 3:00	19789	2_60	2010	189	300	1.997505	137.3965	18.31245	0.929	9.58	3.446	11.66	17.91	21.03	3.122167
7/8/2010 4:00	19790	2_60	2010	189	400	1.863504	190.5992	33.92363	1.804	7.595	6.038	11.13	17.1	19.37	2.277429
7/8/2010 5:00	19791	2_60	2010	189	500	0.5160668	237.3916	18.9919	-0.331	1.353	-0.173	0.527	16.18	18.58	2.406252
7/8/2010 6:00	19792	2_60	2010	189	600	0.5824538	162.6435	55.57867	0.652	6.761	0.659	5.639	15.39	18.1	2.708258
7/8/2010 7:00	19793	2_60	2010	189	700	0.6766369	110.4398	31.89569	-0.657	8.83	-0.053	9.31	18.37	18.53	0.162136
7/8/2010 8:00	19794	2_60	2010	189	800	1.294304	291.2579	31.27562	7.393	28.45	7.325	27.06	21	20.29	-0.7088932
7/8/2010 9:00	19795	2_60	2010	189	900	1.698841	303.9925	30.95691	18.94	42.07	16.35	41.1	22.95	22.06	-0.8899197
7/8/2010 10:00	19796	2_60	2010	189	1000	1.603437	294.624	30.96616	2.85	44.44	1.987	45.44	24.52	23.72	-0.8054292
7/8/2010 11:00	19797	2_60	2010	189	1100	1.932197	85.57026	55.98617	-4.527	59.25	-4	65.36	27.22	25.97	-1.243161
7/8/2010 12:00	19798	2_60	2010	189	1200	4.243225	230.6937	45.18118	3.532	67.83	24.86	76.72	29.11	27.44	-1.678992
7/8/2010 13:00	19799	2_60	2010	189	1300	4.855647	254.4126	20.73038	2.573	67.91	23.02	76.52	29.58	27.85	-1.722114
7/8/2010 14:00	19800	2_60	2010	189	1400	10.96679	352.9039	20.51253	71.83	74.69	43.97	89.4	29.3	26.58	-2.7193
7/8/2010 15:00	19801	2_60	2010	189	1500	6.309078	25.23172	27.41222	40.33	62.78	21.3	72.72	27.24	25.78	-1.463151
7/8/2010 16:00	19802	2_60	2010	189	1600	5.970184	72.23018	18.89207	13.2	58.11	-1.585	69.11	28.08	26.24	-1.834205
7/8/2010 17:00	19803	2_60	2010	189	1700	6.080655	70.31676	15.82162	15.94	49.98	-1.949	59.27	28.42	26.84	-1.588642
7/8/2010 18:00	19804	2_60	2010	189	1800	5.933295	80.46601	13.41429	9.27	48.08	-0.005	61.1	28.18	26.98	-1.20172
7/8/2010 19:00	19805	2_60	2010	189	1900	6.641617	102.5645	8.593488	-2.69	35.39	-3.106	45.99	26.74	26.31	-0.4320451
7/8/2010 20:00	19806	2_60	2010	189	2000	5.518659	115.5718	7.602437	0.699	27.97	10.16	33.37	25.69	25.61	-0.0856972
7/8/2010 21:00	19807	2_60	2010	189	2100	4.684073	156.4228	23.70767	13.48	31.6	33.35	47.8	24.53	24.64	0.1162069
7/8/2010 22:00	19808	2_60	2010	189	2200	3.793861	122.1916	12.93747	2.188	17.83	7.654	21.14	22.56	23.4	0.8384615
7/8/2010 23:00	19809	2_60	2010	189	2300	4.380174	130.6123	7.021065	2.871	14.74	19.04	19.65	21.23	22.36	1.129808
7/9/2010 0:00	19810	2_60	2010	190	0	4.175407	134.0008	7.054053	2.38	18.06	18.5	20.52	20.75	21.81	1.065727
7/9/2010 1:00	19811	2_60	2010	190	100	3.543597	130.2025	22.4868	8.27	20.4	22.19	24.17	19.17	21.17	1.996623
7/9/2010 2:00	19812	2_60	2010	190	200	0.5936889	303.6174	30.16255	-0.185	1.999	-0.209	0.161	16.81	19.94	3.132892
7/9/2010 3:00	19813	2_60	2010	190	300	1.56444	110.0731	40.28617	5.014	29.11	7.214	30.67	16.24	18.4	2.154911
7/9/2010 4:00	19814	2_60	2010	190	400	1.768471	152.9342	39.34664	4.958	17.5	9.95	22.96	15.08	16.85	1.766227
7/9/2010 5:00	19815	2_60	2010	190	500	2.127327	151.3548	19.57254	0.341	18.54	5.267	20.56	15.09	17.14	2.056423
7/9/2010 6:00	19816	2_60	2010	190	600	0.5677211	256.876	39.85169	-0.159	4.376	0.101	3.649	14.44	16.49	2.049604
7/9/2010 7:00	19817	2_60	2010	190	700	1.387122	285.2985	14.72474	0.759	13.39	1.961	11.02	16	15.45	-0.5466921
7/9/2010 8:00	19818	2_60	2010	190	800	0.4469447	300.3166	41.39818	2.913	31.87	3.246	28.79	18.97	18.36	-0.6154648
7/9/2010 9:00	19819	2_60	2010	190	900	0.6228467	241.2643	61.07092	5.382	40.59	6.903	39.85	21.8	21.02	-0.7831224
7/9/2010 10:00	19820	2_60	2010	190	1000	1.388565	27.36108	60.05775	15.72	53.16	12.42	53.95	24.57	23.56	-1.013728
7/9/2010 11:00	19821	2_60	2010	190	1100	1.849622	347.4802	63.05706	-1.568	66.52	-5.197	65.82	26.52	25.46	-1.056066
7/9/2010 12:00	19822	2_60	2010	190	1200	2.264624	5.764516	64.01849	18.69	67.3	13.42	71.35	28.38	27.08	-1.293939
7/9/2010 13:00	19823	2_60	2010	190	1300	3.157919	311.5123	56.20076	11.45	64.28	10.33	70.45	28.84	27.76	-1.079471
7/9/2010 14:00	19824	2_60	2010	190	1400	8.639915	276.5772	20.1982	52.1	53.44	77.85	59.87	25.71	25.34	-0.3630334
7/9/2010 15:00	19825	2_60	2010	190	1500	8.183364	204.3795	21.52822	11.78	60.43	65.15	79.07	25.67	25.32	-0.3546073
7/9/2010 16:00	19826	2_60	2010	190	1600	5.611928	167.5743	15.40473	18.7	54.98	50.22	65.61	27.17	25.78	-1.387882
7/9/2010 17:00	19827	2_60	2010	190	1700	5.160593	167.7437	24.22472	5.675	50.83	29.83	61	27.15	26.03	-1.113428
7/9/2010 18:00	19828	2_60	2010	190	1800	3.792179	181.5178	30.03491	4.69	25.88	22.99	32.13	27.1	26.3	-0.8041252
7/9/2010 19:00	19829	2_60	2010	190	1900	4.381791	174.7191	13.13181	7.542	33.9	31.78	39.26	26.54	26	-0.5471085
7/9/2010 20:00	19830	2_60	2010	190	2000	2.872163	116.9364	15.83611	3.522	20.82	9.14	24.86	25.19	25.26	0.06718975
7/9/2010 21:00	19831	2_60	2010	190	2100	1.263131	171.2236	26.9177	2.304	11.03	5.099	13.13	22.79	24.47	1.677952
7/9/2010 22:00	19832	2_60	2010	190	2200	1.972839	157.3193	17.00559	2.506	9.3	6.642	11.83	21.07	23.71	2.635168
7/9/2010 23:00	19833	2_60	2010	190	2300	1.774986	156.1341	35.23478	10.86	21.45	14.75	22.48	20.96	22.76	1.800368

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	RH_Avg Avg	RHTemp_Avg DegF Avg	BPinHg inHg Smp	SolarRad_Avg W/m² Avg	GustSpeed m/s Smp	GustDir Deg Smp	GustTime Smp	BatteryV_Avg Volts Avg
7/7/2010 0:00	19762	2_60	2010	188	0	14.63	69.85	24.49	0.002	6.417	127	2319	13.16
7/7/2010 1:00	19763	2_60	2010	188	100	16.79	66.76	24.49	0.002	7.134	133.7	12	13.18
7/7/2010 2:00	19764	2_60	2010	188	200	18.29	64.71	24.49	0.001	10.65	113.7	137	13.21
7/7/2010 3:00	19765	2_60	2010	188	300	19.66	62.34	24.5	0.001	3.857	265.2	235	13.23
7/7/2010 4:00	19766	2_60	2010	188	400	20.61	61.88	24.52	0.002	4.233	295.1	336	13.24
7/7/2010 5:00	19767	2_60	2010	188	500	21.25	61.39	24.53	0.387	2.355	307.4	400	13.24
7/7/2010 6:00	19768	2_60	2010	188	600	23.37	60.8	24.54	45.28	2.253	295.7	555	13.25
7/7/2010 7:00	19769	2_60	2010	188	700	18.99	67.71	24.56	230.7	2.901	185.5	608	13.23
7/7/2010 8:00	19770	2_60	2010	188	800	14.95	73.44	24.55	439	3.038	344.8	755	13.16
7/7/2010 9:00	19771	2_60	2010	188	900	13.84	78.64	24.54	607.3	7.134	70.74	849	13.08
7/7/2010 10:00	19772	2_60	2010	188	1000	13.81	80.1	24.56	655	12.22	309.4	931	13.03
7/7/2010 11:00	19773	2_60	2010	188	1100	13.1	83.5	24.55	905	9.42	350.9	1052	13.01
7/7/2010 12:00	19774	2_60	2010	188	1200	12.1	86.3	24.54	870	9.01	323.5	1110	12.98
7/7/2010 13:00	19775	2_60	2010	188	1300	11.29	88.1	24.53	951	12.46	316.3	1255	12.95
7/7/2010 14:00	19776	2_60	2010	188	1400	11.59	87.1	24.53	598.7	11.54	284.9	1334	12.94
7/7/2010 15:00	19777	2_60	2010	188	1500	18.47	80.7	24.56	140.9	13.31	83	1408	12.96
7/7/2010 16:00	19778	2_60	2010	188	1600	19.29	80.5	24.54	418.8	19.52	94.1	1538	13
7/7/2010 17:00	19779	2_60	2010	188	1700	16.88	82.2	24.54	545.7	13.07	112.8	1602	13
7/7/2010 18:00	19780	2_60	2010	188	1800	15.4	82.9	24.54	308.4	8.67	96.7	1758	12.99
7/7/2010 19:00	19781	2_60	2010	188	1900	16.05	82.3	24.54	146.5	7.646	83.1	1805	12.99
7/7/2010 20:00	19782	2_60	2010	188	2000	19.93	78.88	24.55	9.31	6.485	123.9	1958	13.02
7/7/2010 21:00	19783	2_60	2010	188	2100	22.83	75.77	24.6	0.011	14.3	310.5	2027	13.05
7/7/2010 22:00	19784	2_60	2010	188	2200	29.01	71.59	24.63	0.004	9.63	302.4	2114	13.08
7/7/2010 23:00	19785	2_60	2010	188	2300	28.78	71.2	24.63	0.002	6.929	268.4	2225	13.12
7/8/2010 0:00	19786	2_60	2010	189	0	31.12	69.15	24.64	0.001	4.028	308.8	2307	13.14
7/8/2010 1:00	19787	2_60	2010	189	100	28.94	71.08	24.66	0.004	8.33	144.3	18	13.15
7/8/2010 2:00	19788	2_60	2010	189	200	32.04	68.64	24.66	0.005	5.871	153.2	105	13.15
7/8/2010 3:00	19789	2_60	2010	189	300	36.98	64.62	24.66	0.002	3.823	104.2	246	13.18
7/8/2010 4:00	19790	2_60	2010	189	400	37.9	63.43	24.66	0.001	4.403	139.6	316	13.21
7/8/2010 5:00	19791	2_60	2010	189	500	39.76	61.77	24.67	0.477	1.741	263.2	400	13.24
7/8/2010 6:00	19792	2_60	2010	189	600	43.07	60.42	24.68	34.33	1.707	174.4	520	13.26
7/8/2010 7:00	19793	2_60	2010	189	700	36.3	66.56	24.69	219.5	1.707	156.3	633	13.24
7/8/2010 8:00	19794	2_60	2010	189	800	30.63	72.01	24.69	396.3	3.447	318.8	753	13.16
7/8/2010 9:00	19795	2_60	2010	189	900	27.61	75.26	24.69	595.8	4.813	310.9	856	13.1
7/8/2010 10:00	19796	2_60	2010	189	1000	25.3	77.74	24.67	553.7	4.608	277.8	959	13.05
7/8/2010 11:00	19797	2_60	2010	189	1100	21.58	82.2	24.66	916	5.461	159.8	1050	13.01
7/8/2010 12:00	19798	2_60	2010	189	1200	17.7	84.9	24.64	1018	10.04	252.4	1145	12.98
7/8/2010 13:00	19799	2_60	2010	189	1300	16.72	85.8	24.63	951	10.89	285.5	1243	12.96
7/8/2010 14:00	19800	2_60	2010	189	1400	17.62	84.5	24.64	1107	17.17	2.696	1340	12.95
7/8/2010 15:00	19801	2_60	2010	189	1500	20.98	81.3	24.65	495.8	14.27	10.73	1401	12.96
7/8/2010 16:00	19802	2_60	2010	189	1600	21.76	82.6	24.63	750.2	11.03	60.41	1541	12.97
7/8/2010 17:00	19803	2_60	2010	189	1700	19.43	83.2	24.62	558.9	9.9	77.59	1602	12.96
7/8/2010 18:00	19804	2_60	2010	189	1800	19.86	83	24.61	355.1	10.04	82.3	1748	12.97
7/8/2010 19:00	19805	2_60	2010	189	1900	21.88	80.5	24.62	105.5	9.56	79.94	1803	12.99
7/8/2010 20:00	19806	2_60	2010	189	2000	23.18	78.59	24.64	15.5	8.81	106.3	1936	13.02
7/8/2010 21:00	19807	2_60	2010	189	2100	25.44	76.49	24.65	0.005	11.5	209	2012	13.05
7/8/2010 22:00	19808	2_60	2010	189	2200	30.39	73.14	24.68	0.003	7.987	67.09	2100	13.08
7/8/2010 23:00	19809	2_60	2010	189	2300	33.84	70.65	24.69	0.003	6.963	111.8	2214	13.11
7/9/2010 0:00	19810	2_60	2010	190	0	34.28	69.72	24.69	0.004	6.042	142.8	2310	13.14
7/9/2010 1:00	19811	2_60	2010	190	100	36.94	67.48	24.7	0.004	6.11	132.4	25	13.16
7/9/2010 2:00	19812	2_60	2010	190	200	44.28	62.65	24.7	0.004	1.536	22.46	102	13.19
7/9/2010 3:00	19813	2_60	2010	190	300	46.45	61.79	24.7	0.002	4.608	102.5	218	13.23
7/9/2010 4:00	19814	2_60	2010	190	400	50.75	59.7	24.71	0.008	5.257	127.1	337	13.25
7/9/2010 5:00	19815	2_60	2010	190	500	50.15	59.84	24.73	0.553	4.676	148	424	13.27
7/9/2010 6:00	19816	2_60	2010	190	600	52.43	58.87	24.74	49.5	1.707	263.5	559	13.28
7/9/2010 7:00	19817	2_60	2010	190	700	46.57	62.68	24.75	216.8	2.321	273.8	636	13.25
7/9/2010 8:00	19818	2_60	2010	190	800	36.26	69.34	24.75	413.2	1.775	298.8	700	13.19
7/9/2010 9:00	19819	2_60	2010	190	900	31.38	73.44	24.74	605.7	2.253	155.3	842	13.11
7/9/2010 10:00	19820	2_60	2010	190	1000	29.99	77.73	24.72	772.8	3.516	328.8	931	13.04
7/9/2010 11:00	19821	2_60	2010	190	1100	28.32	81	24.71	902	5.598	44.08	1055	12.99
7/9/2010 12:00	19822	2_60	2010	190	1200	25.17	84	24.68	805	7.373	343.2	1136	12.98
7/9/2010 13:00	19823	2_60	2010	190	1300	22.09	84.8	24.66	551.6	14.68	303.6	1259	12.96
7/9/2010 14:00	19824	2_60	2010	190	1400	26.14	78.69	24.68	131.6	15.63	309.2	1301	12.98
7/9/2010 15:00	19825	2_60	2010	190	1500	26.19	78.42	24.68	237.3	14.61	236.2	1417	13.03
7/9/2010 16:00	19826	2_60	2010	190	1600	25.18	81	24.66	555.5	12.15	169	1557	13.02
7/9/2010 17:00	19827	2_60	2010	190	1700	24.25	81	24.65	397	11.16	171.5	1600	13.01
7/9/2010 18:00	19828	2_60	2010	190	1800	24.88	81.3	24.65	229.1	6.485	174.4	1746	13.01
7/9/2010 19:00	19829	2_60	2010	190	1900	28.14	80.2	24.65	154	6.519	174.9	1836	13.01
7/9/2010 20:00	19830	2_60	2010	190	2000	30.31	77.75	24.64	10.68	5.393	154.4	1904	13.03
7/9/2010 21:00	19831	2_60	2010	190	2100	35.18	73.65	24.66	0.015	3.174	189.1	2019	13.06
7/9/2010 22:00	19832	2_60	2010	190	2200	38.2	70.4	24.66	0.005	4.233	117	2132	13.1
7/9/2010 23:00	19833	2_60	2010	190	2300	40.28	70.15	24.66	0.005	4.233	147.1	2210	13.13

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/10/2010 0:00	19834	2_60	2010	191	0	1.090357	79.92843	28.11168	3.433	16.19	1.888	14.03	19.5	21.27	1.770681
7/10/2010 1:00	19835	2_60	2010	191	100	0.9365296	206.7943	37.60179	-0.146	2.612	0.089	2.677	19.04	21.42	2.379839
7/10/2010 2:00	19836	2_60	2010	191	200	0.5411251	171.1621	28.60236	-0.141	1.038	-0.162	0.775	18.73	21.3	2.572913
7/10/2010 3:00	19837	2_60	2010	191	300	1.899458	146.91	46.18843	5.138	21.53	10.85	25.88	17.83	20.24	2.408428
7/10/2010 4:00	19838	2_60	2010	191	400	1.858687	174.4337	16.60453	4.659	15.04	11.28	19.78	17.13	19.87	2.734536
7/10/2010 5:00	19839	2_60	2010	191	500	1.339471	293.574	48.47802	-0.442	9.2	1.548	6.203	16.43	19.03	2.59733
7/10/2010 6:00	19840	2_60	2010	191	600	1.778798	278.9601	23.26625	4.072	15.12	8.88	18.79	16.35	17.42	1.071184
7/10/2010 7:00	19841	2_60	2010	191	700	0.9921412	276.2299	21.95632	-0.078	12.69	1.506	10.11	17.84	17.67	-0.1693648
7/10/2010 8:00	19842	2_60	2010	191	800	1.152082	305.049	30.86098	8.16	37.48	9.01	36.65	20.49	19.85	-0.6401181
7/10/2010 9:00	19843	2_60	2010	191	900	1.219268	310.467	30.86563	6.7	41.55	4.534	40.02	22.91	22.15	-0.7549585
7/10/2010 10:00	19844	2_60	2010	191	1000	2.013519	337.1909	38.43306	12.24	53.06	8.03	54.3	26.01	25.06	-0.9538184
7/10/2010 11:00	19845	2_60	2010	191	1100	3.60509	241.2214	34.76722	14.95	62.55	31.98	66.59	28.53	27.02	-1.502092
7/10/2010 12:00	19846	2_60	2010	191	1200	5.184376	253.1108	28.85109	9.33	73.1	28.61	80.6	29.12	27.74	-1.37897
7/10/2010 13:00	19847	2_60	2010	191	1300	5.898488	232.9645	35.51602	36.82	70.06	65.62	81.7	29.15	27.34	-1.813089
7/10/2010 14:00	19848	2_60	2010	191	1400	5.075184	54.6055	21.80962	23.07	34.88	13.38	39.89	25.48	24.77	-0.711662
7/10/2010 15:00	19849	2_60	2010	191	1500	3.50509	126.9813	17.95481	0.061	28.97	8.92	31.96	23.96	23.56	-0.4016637
7/10/2010 16:00	19850	2_60	2010	191	1600	3.725183	90.16928	51.56145	4.511	22.95	5.256	25.62	22.32	22.8	0.47966
7/10/2010 17:00	19851	2_60	2010	191	1700	4.025045	131.2106	17.12801	-1.018	25.58	12.17	30.69	25.13	24.46	-0.67255
7/10/2010 18:00	19852	2_60	2010	191	1800	4.565435	100.4442	11.26322	-7.033	34.38	-6.218	39.48	26.49	25.44	-1.049558
7/10/2010 19:00	19853	2_60	2010	191	1900	2.960605	70.93353	8.123748	3.223	18.61	-2.967	20.1	24.78	24.78	-0.000769071
7/10/2010 20:00	19854	2_60	2010	191	2000	1.375111	154.627	23.28371	-0.205	3.887	1.179	4.728	22.11	24.09	1.974046
7/10/2010 21:00	19855	2_60	2010	191	2100	0.8417551	252.6115	33.6689	0.676	8.26	0.313	4.585	20.31	22.69	2.381632
7/10/2010 22:00	19856	2_60	2010	191	2200	1.501324	149.3297	23.49264	-0.478	6.019	1.044	5.432	20.01	23.44	3.426289
7/10/2010 23:00	19857	2_60	2010	191	2300	2.344697	104.2149	24.90456	-0.116	29.33	2.412	28.04	20.26	22.67	2.406597
7/11/2010 0:00	19858	2_60	2010	192	0	1.228172	110.4874	48.7762	-0.606	12.43	-0.196	9.08	18.49	20.1	1.612307
7/11/2010 1:00	19859	2_60	2010	192	100	3.086325	143.4412	40.03392	7.807	21.11	19.89	28.32	17.74	19.76	2.022129
7/11/2010 2:00	19860	2_60	2010	192	200	2.68187	153.0705	17.44563	9.1	24.4	20.11	28.35	17.35	18.8	1.455813
7/11/2010 3:00	19861	2_60	2010	192	300	2.242944	140.0576	20.06317	3.963	16.51	11.1	19.82	15.9	17.92	2.02329
7/11/2010 4:00	19862	2_60	2010	192	400	1.517707	256.754	61.20134	5.265	10.35	1.504	5.858	13.92	16.17	2.252736
7/11/2010 5:00	19863	2_60	2010	192	500	0.865051	244.1747	25.24367	0.151	5.047	0.582	3.377	13.82	15.63	1.808155
7/11/2010 6:00	19864	2_60	2010	192	600	0.6245475	139.8037	23.25501	0	2.172	-0.097	1.442	14.15	16.22	2.072288
7/11/2010 7:00	19865	2_60	2010	192	700	1.148015	71.4029	19.82239	3.747	13.8	2.294	11.96	17.77	17.67	-0.1030788
7/11/2010 8:00	19866	2_60	2010	192	800	1.12958	48.26309	39.87334	7.093	36.44	4.399	35.32	19.93	19.3	-0.6366241
7/11/2010 9:00	19867	2_60	2010	192	900	1.534747	315.421	42.80097	3.928	35.95	2.725	36.85	20.73	19.99	-0.7395921
7/11/2010 10:00	19868	2_60	2010	192	1000	1.603463	325.3197	34.87583	7.567	45.21	4.599	43.18	21.63	20.84	-0.7865434
7/11/2010 11:00	19869	2_60	2010	192	1100	1.154045	24.25344	54.9468	7.726	53.23	4.384	53.17	25.49	24.46	-1.028754
7/11/2010 12:00	19870	2_60	2010	192	1200	2.014542	338.9263	38.27872	15.66	66.68	9.03	66.55	28.26	27.09	-1.173671
7/11/2010 13:00	19871	2_60	2010	192	1300	2.977131	335.6957	38.34075	21.22	67.6	12.32	70.71	30.5	29.09	-1.411016
7/11/2010 14:00	19872	2_60	2010	192	1400	3.460518	321.0694	50.22811	26.51	63.73	21.04	67.08	30.84	29.53	-1.30795
7/11/2010 15:00	19873	2_60	2010	192	1500	5.330155	179.3676	23.1889	-0.478	67.45	28.79	76.74	30.53	29.31	-1.225852
7/11/2010 16:00	19874	2_60	2010	192	1600	4.214085	335.8913	36.17149	21.03	48.63	20.89	55.52	30.09	29.16	-0.9248296
7/11/2010 17:00	19875	2_60	2010	192	1700	11.54521	199.0177	14.74891	45.61	68.09	145.6	78.86	25.96	25.17	-0.7888015
7/11/2010 18:00	19876	2_60	2010	192	1800	5.511887	186.4761	10.73305	20.05	38.21	60.46	47.24	26.96	26.26	-0.7028069
7/11/2010 19:00	19877	2_60	2010	192	1900	7.739133	243.0825	33.39198	32.5	48.43	58.51	54.58	26.51	26.16	-0.3524931
7/11/2010 20:00	19878	2_60	2010	192	2000	8.306013	305.0893	10.9115	46.85	49.52	42.86	57.81	21.87	21.7	-0.1677446
7/11/2010 21:00	19879	2_60	2010	192	2100	3.180587	234.2403	27.61003	7.786	31.39	15.56	35.22	20.62	20.99	0.3698824
7/11/2010 22:00	19880	2_60	2010	192	2200	5.104995	129.5022	18.98136	1.704	34.27	17.83	41.54	21.18	21.3	0.1215158
7/11/2010 23:00	19881	2_60	2010	192	2300	4.329596	118.2541	43.0919	6.21	38.22	16.07	42.55	20.19	20.7	0.5092048
7/12/2010 0:00	19882	2_60	2010	193	0	2.103516	291.446	27.41862	11.23	19.25	9.79	19.03	17.36	19.43	2.064132
7/12/2010 1:00	19883	2_60	2010	193	100	1.255931	200.9531	31.43872	1.564	6.326	2.506	7.854	16.26	18.63	2.363231
7/12/2010 2:00	19884	2_60	2010	193	200	1.197395	252.301	38.60001	0.874	5.573	3.225	8.21	15.74	18.09	2.346956
7/12/2010 3:00	19885	2_60	2010	193	300	0.5304292	134.8748	39.41888	-0.247	0.239	-0.211	0.208	15.08	17.58	2.504085
7/12/2010 4:00	19886	2_60	2010	193	400	0.7633617	106.1146	41.62354	0.821	8.78	0.098	8.22	14.54	16.83	2.29489
7/12/2010 5:00	19887	2_60	2010	193	500	2.032489	136.5922	31.39165	3.495	12.83	8.76	14.84	13.79	17.15	3.361928
7/12/2010 6:00	19888	2_60	2010	193	600	1.357077	294.1679	11.99047	3.998	7.512	1.632	5.201	13.8	14.71	0.9044006
7/12/2010 7:00	19889	2_60	2010	193	700	0.8959123	186.7866	37.35759	-0.25	7.261	0.728	6.529	15.61	15.18	-0.4242889
7/12/2010 8:00	19890	2_60	2010	193	800	0.8962533	7.804698	30.79292	-1.345	32.44	-3.664	33.45	18.89	18.31	-0.5812847
7/12/2010 9:00	19891	2_60	2010	193	900	1.456545	321.6931	33.7272	7.164	40.89	3.938	40.77	20.56	19.78	-0.787358
7/12/2010 10:00	19892	2_60	2010	193	1000	1.588019	314.0064	35.07684	22.97	50.83	20.64	49.94	23.12	22.02	-1.107978
7/12/2010 11:00	19893	2_60	2010	193	1100	1.764629	316.5584	37.28827	18.24	56.46	14.38	57.17	26.09	24.92	-1.166401
7/12/2010 12:00	19894	2_60	2010	193	1200	2.184553	336.8757	66.48351	-7.49	73.34	-11.62	75.87	29.2	27.98	-1.212481
7/12/2010 13:00	19895	2_60	2010	193	1300	4.447988	281.1404	37.64572	12.26	79.39	16.65	83.7	31.4	29.83	-1.571925
7/12/2010 14:00	19896	2_60	2010	193	1400	5.63659	310.443	20.77793	16.86	59	12.12	66.97	32.1	30.59	-1.50818
7/12/2010 15:00	19897	2_60	2010	193	1500	5.697851	320.3763	28.89151	35.28	61.71	26.72	70.43	33.32	31.5	-1.82451
7/12/2010 16:00	19898	2_60	2010	193	1600	6.166505	295.8918	23.20047	23	62.17	27.23	67.36	33.66	31.96	-1.705164
7/12/2010 17:00	19899	2_60	2010	193	1700	5.382831	311.8698	15.08284	23.87	54.87	16.29	63.16	33.22	31.85	-1.363546
7/12/2010 18:00	19900	2_60	2010	193	1800	4.943678	307.155	18.7501	24.29	45.61	21.56	50.13	32.85	31.85	-0.9989485
7/12/2010 19:00	19901	2_60	2010	193	1900	4.338028	320.8489	10.92154	22.62	29.02	15.02	34.26	31.99	31.56	-0.4292614
7/12/2010 20:00	19902	2_60	2010	193	2000	2.023278	271.016	19.93792	2.776	12.61	5.466	10.84	28.57	30.65	2.080308
7/12/2010 21:00	19903	2_60	2010	193	2100	1.479676	225.5643	12.9796	0.828	3.351	5.268	8.02	26.22	29.81	3.587194
7/12/2010 22:00	19904	2_60	2010	193	2200	1.545439	262.3902	19.03172	6.825	12.3	9.4	14.79	25.56	28.74	3.183974
7/12/2010 23:00	19905	2_60	2010	193	2300	1.269383	145.2651	31.19232	2.071	8.72	2.147	7.502	24.65	27.37	2.720984

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	RH_Avg Avg	RHTemp_Avg DegF Avg	BPinHg inHg Smp	SolarRad_Avg W/m² Avg	GustSpeed m/s Smp	GustDir Deg Smp	GustTime Smp	BatteryV_Avg Volts Avg
7/10/2010 0:00	19834	2_60	2010	191	0	44.14	67.71	24.67	0.007	3.106	22.38	2301	13.15
7/10/2010 1:00	19835	2_60	2010	191	100	46.03	66.76	24.66	0.005	1.843	180.2	12	13.17
7/10/2010 2:00	19836	2_60	2010	191	200	46.1	66.35	24.66	0.005	1.229	162.3	159	13.18
7/10/2010 3:00	19837	2_60	2010	191	300	48.53	64.42	24.67	0.002	5.7	130.4	255	13.2
7/10/2010 4:00	19838	2_60	2010	191	400	50.49	63.28	24.66	0.001	5.393	128.8	301	13.21
7/10/2010 5:00	19839	2_60	2010	191	500	52.81	61.94	24.67	0.432	3.243	273.6	456	13.23
7/10/2010 6:00	19840	2_60	2010	191	600	52.4	62.09	24.69	49.05	3.14	254.1	544	13.24
7/10/2010 7:00	19841	2_60	2010	191	700	45.46	66.45	24.7	212.8	2.355	262.7	600	13.22
7/10/2010 8:00	19842	2_60	2010	191	800	37.59	71.16	24.7	433.4	2.355	304.9	728	13.16
7/10/2010 9:00	19843	2_60	2010	191	900	32.27	75.33	24.68	580.3	3.072	331.4	839	13.09
7/10/2010 10:00	19844	2_60	2010	191	1000	28.07	80.1	24.67	773.3	7.612	258.4	959	13.04
7/10/2010 11:00	19845	2_60	2010	191	1100	23.6	84.1	24.64	887	8.19	255.3	1003	12.99
7/10/2010 12:00	19846	2_60	2010	191	1200	22.4	84.9	24.63	580.7	10.51	257.9	1141	12.97
7/10/2010 13:00	19847	2_60	2010	191	1300	23.38	84.8	24.63	831	12.29	227.4	1210	12.96
7/10/2010 14:00	19848	2_60	2010	191	1400	38.71	78.31	24.63	226.1	10.51	83	1320	12.97
7/10/2010 15:00	19849	2_60	2010	191	1500	47.61	75.44	24.62	185.6	7.236	125.4	1400	13.02
7/10/2010 16:00	19850	2_60	2010	191	1600	56.33	72.7	24.62	112.8	6.451	120.3	1526	13.06
7/10/2010 17:00	19851	2_60	2010	191	1700	37.91	77.52	24.58	386.2	6.724	142.6	1657	13.07
7/10/2010 18:00	19852	2_60	2010	191	1800	32.1	79.99	24.57	360.2	6.69	89.4	1728	13.03
7/10/2010 19:00	19853	2_60	2010	191	1900	37.44	77.23	24.58	94.1	4.813	86.6	1803	13.03
7/10/2010 20:00	19854	2_60	2010	191	2000	45.19	72.31	24.58	8.73	2.697	72.8	1900	13.07
7/10/2010 21:00	19855	2_60	2010	191	2100	49.92	69.06	24.6	0.031	2.287	344.4	2005	13.11
7/10/2010 22:00	19856	2_60	2010	191	2200	46.37	68.4	24.6	0.007	3.891	122.3	2159	13.15
7/10/2010 23:00	19857	2_60	2010	191	2300	44.06	69.1	24.6	0.005	5.666	138.9	2216	13.17
7/11/2010 0:00	19858	2_60	2010	192	0	51.69	65.56	24.6	0.006	3.174	106.9	2326	13.18
7/11/2010 1:00	19859	2_60	2010	192	100	52.11	64.48	24.6	0.003	6.622	124.4	32	13.2
7/11/2010 2:00	19860	2_60	2010	192	200	52.03	63.91	24.59	0.002	6.622	141.9	101	13.21
7/11/2010 3:00	19861	2_60	2010	192	300	57.07	61.09	24.59	0.002	4.676	131.3	236	13.23
7/11/2010 4:00	19862	2_60	2010	192	400	65.12	57.68	24.59	0.009	3.584	345.7	342	13.26
7/11/2010 5:00	19863	2_60	2010	192	500	65.91	57.41	24.59	0.486	2.219	264.8	422	13.29
7/11/2010 6:00	19864	2_60	2010	192	600	63.45	58.44	24.6	48.37	1.877	83.6	526	13.3
7/11/2010 7:00	19865	2_60	2010	192	700	51.31	65.81	24.6	220.3	2.219	21.04	659	13.26
7/11/2010 8:00	19866	2_60	2010	192	800	41.18	70.01	24.6	401.6	3.072	10.73	753	13.18
7/11/2010 9:00	19867	2_60	2010	192	900	44.66	70.91	24.6	405.8	5.53	301.2	836	13.12
7/11/2010 10:00	19868	2_60	2010	192	1000	44.02	72.51	24.59	601.6	3.482	307	913	13.08
7/11/2010 11:00	19869	2_60	2010	192	1100	32.35	79.75	24.57	917	3.55	21.88	1057	13.03
7/11/2010 12:00	19870	2_60	2010	192	1200	25.54	84.1	24.55	888	4.847	302.1	1146	12.98
7/11/2010 13:00	19871	2_60	2010	192	1300	18.57	87.9	24.51	1038	6.997	47.31	1255	12.95
7/11/2010 14:00	19872	2_60	2010	192	1400	17.32	88.3	24.5	582.3	8.19	325.9	1303	12.93
7/11/2010 15:00	19873	2_60	2010	192	1500	18.23	87.2	24.48	468.9	12.08	167.1	1408	12.94
7/11/2010 16:00	19874	2_60	2010	192	1600	18.81	86.7	24.48	280.2	13.65	265	1559	12.94
7/11/2010 17:00	19875	2_60	2010	192	1700	30.59	78.92	24.48	286.9	19.08	193.1	1618	12.98
7/11/2010 18:00	19876	2_60	2010	192	1800	27.95	80.8	24.48	165.7	10.38	160.6	1701	13
7/11/2010 19:00	19877	2_60	2010	192	1900	28.82	80.1	24.53	119.6	16.49	335.9	1855	13.02
7/11/2010 20:00	19878	2_60	2010	192	2000	41.85	71.81	24.57	17.19	17.58	297.3	1904	13.05
7/11/2010 21:00	19879	2_60	2010	192	2100	44.94	69.43	24.57	0.019	9.39	305.2	2005	13.1
7/11/2010 22:00	19880	2_60	2010	192	2200	39.48	70.44	24.55	0.002	9.73	126.7	2146	13.13
7/11/2010 23:00	19881	2_60	2010	192	2300	40.73	68.83	24.55	0.005	9.45	128.5	2200	13.14
7/12/2010 0:00	19882	2_60	2010	193	0	49.86	63.8	24.55	0.004	4.13	307.8	2333	13.17
7/12/2010 1:00	19883	2_60	2010	193	100	53.68	61.76	24.55	0.002	2.799	181.7	57	13.21
7/12/2010 2:00	19884	2_60	2010	193	200	56.33	60.87	24.55	0.002	2.423	210.4	100	13.24
7/12/2010 3:00	19885	2_60	2010	193	300	59.09	59.75	24.55	0.005	1.399	177.4	242	13.26
7/12/2010 4:00	19886	2_60	2010	193	400	61.18	58.59	24.55	0.007	2.628	123.5	358	13.28
7/12/2010 5:00	19887	2_60	2010	193	500	63.6	57.39	24.56	0.439	3.686	122.5	424	13.29
7/12/2010 6:00	19888	2_60	2010	193	600	64.3	57.84	24.57	46.23	2.56	296.4	544	13.3
7/12/2010 7:00	19889	2_60	2010	193	700	56.19	62	24.58	212.6	2.867	270.6	608	13.27
7/12/2010 8:00	19890	2_60	2010	193	800	43.61	68.64	24.58	411.1	2.731	274.4	759	13.2
7/12/2010 9:00	19891	2_60	2010	193	900	40.53	70.89	24.56	604.1	3.516	341.9	821	13.13
7/12/2010 10:00	19892	2_60	2010	193	1000	34.83	75.29	24.55	770.6	3.482	302.1	920	13.07
7/12/2010 11:00	19893	2_60	2010	193	1100	28.89	80.6	24.54	897	4.745	326.4	1059	13.02
7/12/2010 12:00	19894	2_60	2010	193	1200	20.78	85.5	24.52	974	5.12	292.3	1147	12.98
7/12/2010 13:00	19895	2_60	2010	193	1300	15.08	88.9	24.49	802	9.97	295.9	1219	12.95
7/12/2010 14:00	19896	2_60	2010	193	1400	14.08	90.2	24.48	698.1	13.04	294.4	1340	12.94
7/12/2010 15:00	19897	2_60	2010	193	1500	12.73	92.4	24.47	899	10.48	318.6	1434	12.92
7/12/2010 16:00	19898	2_60	2010	193	1600	11.5	93.1	24.46	774.4	12.6	312.5	1510	12.91
7/12/2010 17:00	19899	2_60	2010	193	1700	11.65	92.5	24.45	565.5	10.55	313.9	1602	12.88
7/12/2010 18:00	19900	2_60	2010	193	1800	13.25	92	24.44	356.4	8.7	316.4	1725	12.91
7/12/2010 19:00	19901	2_60	2010	193	1900	14.41	90.6	24.44	164.6	7.509	321.4	1819	12.93
7/12/2010 20:00	19902	2_60	2010	193	2000	18.57	84.2	24.45	18.14	3.413	319.8	1902	12.96
7/12/2010 21:00	19903	2_60	2010	193	2100	21.59	79.67	24.47	0.017	2.628	212.3	2054	13.01
7/12/2010 22:00	19904	2_60	2010	193	2200	23.14	78.39	24.48	0	2.97	294.1	2150	13.06
7/12/2010 23:00	19905	2_60	2010	193	2300	25.01	77.03	24.48	0.001	2.458	294.3	2203	13.08

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
7/13/2010 0:00	19906	2_60	2010	194	0	1.368659	161.818	31.08784	2.172	7.279	4.028	10.64	22.2	26.05	3.84321
7/13/2010 1:00	19907	2_60	2010	194	100	1.199327	149.5087	35.02237	-0.66	9.45	0.921	9.26	20.98	24.34	3.361809
7/13/2010 2:00	19908	2_60	2010	194	200	2.350129	152.6531	53.54624	1.957	27.36	10.11	33.48	20.81	23.46	2.646827
7/13/2010 3:00	19909	2_60	2010	194	300	1.094742	209.212	39.74504	0.303	13.55	2.464	14.81	19.07	21.65	2.580053
7/13/2010 4:00	19910	2_60	2010	194	400	0.6799357	175.9398	36.18859	0.064	2.503	-0.038	1.543	18.29	21.62	3.328446
7/13/2010 5:00	19911	2_60	2010	194	500	1.259631	278.5917	23.52132	1.835	8.45	2.366	7.385	18.63	20.76	2.128884
7/13/2010 6:00	19912	2_60	2010	194	600	0.684681	122.0215	36.07188	0.187	3.03	-0.004	1.26	18.05	20.55	2.499519
7/13/2010 7:00	19913	2_60	2010	194	700	1.433565	94.967	34.44542	2.119	15.48	2.178	14.64	22.02	22.05	0.03762789
7/13/2010 8:00	19914	2_60	2010	194	800	0.9228772	276.8123	42.60686	3.086	32.86	2.455	32.05	24.32	23.68	-0.6381102
7/13/2010 9:00	19915	2_60	2010	194	900	1.903013	313.3505	19.9385	8.19	36.66	4.547	37.18	25.79	24.82	-0.9601836
7/13/2010 10:00	19916	2_60	2010	194	1000	1.617374	326.4185	53.70956	10.77	51.4	11.19	52.51	28.71	27.91	-0.8017095
7/13/2010 11:00	19917	2_60	2010	194	1100	3.473522	173.0948	34.58876	3.311	69.79	19.7	75.83	31.31	29.82	-1.496047
7/13/2010 12:00	19918	2_60	2010	194	1200	4.172501	194.0142	25.83341	9.16	69.4	31.4	78.08	32.37	30.76	-1.605721
7/13/2010 13:00	19919	2_60	2010	194	1300	3.735651	201.6859	40.02577	5.172	67.07	22.68	71.77	32.57	31.29	-1.279877
7/13/2010 14:00	19920	2_60	2010	194	1400	8.095257	237.6208	20.7581	22.86	94.7	74.87	134.8	32.25	30.88	-1.371525
7/13/2010 15:00	19921	2_60	2010	194	1500	5.844331	147.8168	35.80067	10.7	61.75	30.01	85.4	27.78	28.16	0.3786053
7/13/2010 16:00	19922	2_60	2010	194	1600	3.156835	173.3152	23.02126	0.492	48.66	14.8	52.6	32.54	31.58	-0.9586374
7/13/2010 17:00	19923	2_60	2010	194	1700	5.528813	285.0474	21.40289	26.71	41.54	32.75	41.99	30.13	30.29	0.1567046
7/13/2010 18:00	19924	2_60	2010	194	1800	2.188478	313.9293	39.73755	4.446	18.03	5.675	16.55	29.15	29.53	0.3782772
7/13/2010 19:00	19925	2_60	2010	194	1900	1.577042	198.3714	60.16722	0.923	21.4	3.242	21.52	27.93	29.3	1.372237
7/13/2010 20:00	19926	2_60	2010	194	2000	2.937792	260.5794	33.71038	9.79	37.39	17.58	39.17	27.39	29.23	1.839428
7/13/2010 21:00	19927	2_60	2010	194	2100	2.217951	250.0813	20.34455	2.513	16.6	10.24	19.98	25.43	28.36	2.927775
7/13/2010 22:00	19928	2_60	2010	194	2200	2.226311	206.5485	19.72873	4.652	12.48	15.8	21.28	24.69	27.9	3.211158
7/13/2010 23:00	19929	2_60	2010	194	2300	2.366378	153.6771	52.06153	-0.13	22.2	5.743	27.59	24.68	27.32	2.641725
7/14/2010 0:00	19930	2_60	2010	195	0	3.156664	129.6756	29.52386	4.086	17.8	11.5	22.21	24.56	26.4	1.835594
7/14/2010 1:00	19931	2_60	2010	195	100	2.391152	147.3911	39.97688	3.277	22.99	11.57	24.29	23.61	25.18	1.567717
7/14/2010 2:00	19932	2_60	2010	195	200	1.462465	134.5597	29.3295	1.841	12.64	1.41	11.55	21.08	23.51	2.42662
7/14/2010 3:00	19933	2_60	2010	195	300	2.35064	149.7945	25.77192	3.295	19.01	10.51	22.25	20.77	23.65	2.876525
7/14/2010 4:00	19934	2_60	2010	195	400	1.071242	248.9044	56.49241	-0.313	8.58	0.897	7.384	19.52	22.43	2.911685
7/14/2010 5:00	19935	2_60	2010	195	500	1.367744	272.8355	31.84201	2.564	9.02	2.126	6.727	18.27	21.34	3.074855
7/14/2010 6:00	19936	2_60	2010	195	600	0.8664428	260.814	41.94989	-1.869	5.364	0.107	2.884	18.82	21.46	2.635662
7/14/2010 7:00	19937	2_60	2010	195	700	1.132116	286.7609	13.3434	0.456	7.015	0.904	5.045	21.25	21.15	-0.09584973
7/14/2010 8:00	19938	2_60	2010	195	800	1.518274	306.4327	18.62556	4.965	22.98	3.233	23.61	23.36	22.72	-0.6444941
7/14/2010 9:00	19939	2_60	2010	195	900	0.8573987	63.89741	47.86754	8.94	40.06	9.97	40.5	26.03	25.31	-0.721877
7/14/2010 10:00	19940	2_60	2010	195	1000	2.162312	336.2399	30.62229	9.6	48.59	4.132	50.21	29.12	28.12	-0.9991883
7/14/2010 11:00	19941	2_60	2010	195	1100	4.864843	288.9035	22.28419	17.07	59.24	20.37	62.58	31.45	29.92	-1.536428
7/14/2010 12:00	19942	2_60	2010	195	1200	4.619595	271.9609	33.55587	9.62	63.53	17.38	66.07	32.51	30.87	-1.641924
7/14/2010 13:00	19943	2_60	2010	195	1300	3.45062	235.5119	31.62113	-5.624	75.17	-4.843	77.65	33.12	31.69	-1.425445
7/14/2010 14:00	19944	2_60	2010	195	1400	4.626075	256.5383	34.81697	26.11	70.3	39.16	77.42	34.52	32.79	-1.724822
7/14/2010 15:00	19945	2_60	2010	195	1500	4.466192	289.8777	60.90674	16.09	61.31	21.58	66.15	34.66	33.12	-1.538459
7/14/2010 16:00	19946	2_60	2010	195	1600	4.817331	300.6087	23.58611	21.36	47.86	25.89	52.99	34.29	33.21	-1.074492
7/14/2010 17:00	19947	2_60	2010	195	1700	5.924079	325.6253	24.27633	37.2	48.68	30.59	56.01	34.64	33.58	-1.057028
7/14/2010 18:00	19948	2_60	2010	195	1800	6.564051	328.1402	11.91175	43.6	44.25	35.15	53.61	34.79	33.73	-1.06514
7/14/2010 19:00	19949	2_60	2010	195	1900	5.03694	332.6185	11.71589	25.63	31.86	16.13	38.26	33.48	33.12	-0.3587284
7/14/2010 20:00	19950	2_60	2010	195	2000	3.135929	299.1695	12.56002	17.59	17.83	15.74	16.47	29.66	31.98	2.315643
7/14/2010 21:00	19951	2_60	2010	195	2100	2.839189	296.2624	8.698474	12.02	14.45	8.46	11.38	28.37	30.43	2.060713
7/14/2010 22:00	19952	2_60	2010	195	2200	1.322524	225.7692	22.87893	1.983	10.77	2.462	8.69	24.75	28.57	3.818642
7/14/2010 23:00	19953	2_60	2010	195	2300	1.265574	178.0806	18.74132	-0.209	3.292	2.89	7.578	23.31	28.43	5.119258
7/15/2010 0:00	19954	2_60	2010	196	0	1.094766	183.0255	53.50508	0.362	8.53	1.039	10.6	23.28	27.13	3.84979
7/15/2010 1:00	19955	2_60	2010	196	100	1.123158	205.2847	46.41061	0.383	6.39	2.257	9.08	21.16	25.8	4.646095
7/15/2010 2:00	19956	2_60	2010	196	200	2.983248	134.1452	22.77511	7.496	17.6	20.3	28.56	21.21	24.59	3.388196
7/15/2010 3:00	19957	2_60	2010	196	300	4.475048	124.5547	13.14909	6.23	30.16	24.72	38.03	21.9	23.2	1.301669
7/15/2010 4:00	19958	2_60	2010	196	400	3.212759	177.3179	37.24297	4.69	26.48	11.8	28.13	19.95	22.39	2.43392
7/15/2010 5:00	19959	2_60	2010	196	500	1.392611	57.5895	45.50869	3.666	16.92	3.181	16.14	17.67	20.52	2.847508
7/15/2010 6:00	19960	2_60	2010	196	600	1.414258	153.4379	30.95284	-0.499	22.23	2.4	25.77	18.27	20.5	2.227554
7/15/2010 7:00	19961	2_60	2010	196	700	3.759716	97.12802	13.03147	-1.63	25.12	1.247	29.16	22.33	22.02	-0.3180646
7/15/2010 8:00	19962	2_60	2010	196	800	2.264742	1.061329	22.44707	9.52	28.99	3.928	29.44	23.79	23.1	-0.6838248
7/15/2010 9:00	19963	2_60	2010	196	900	1.159307	321.2261	34.93419	3.994	45.06	1.778	44.56	25.53	24.86	-0.6650524
7/15/2010 10:00	19964	2_60	2010	196	1000	1.184593	321.9055	53.60241	7.098	48.59	4.805	48.6	28.11	27.17	-0.9415367
7/15/2010 11:00	19965	2_60	2010	196	1100	1.143349	313.7538	52.92354	5.504	65.99	4.034	64.25	31.01	30.02	-0.9965814
7/15/2010 12:00	19966	2_60	2010	196	1200	2.528279	20.47526	65.29864	14.01	61.66	14.36	65.53	33.34	31.91	-1.431462
7/15/2010 13:00	19967	2_60	2010	196	1300	4.448105	333.2344	29.9098	29.15	65.94	19.69	72.29	34.41	32.72	-1.684508
7/15/2010 14:00	19968	2_60	2010	196	1400	3.993554	332.9964	37.96154	14.05	64.91	4.394	71.9	34.81	33.1	-1.711022
7/15/2010 15:00	19969	2_60	2010	196	1500	3.145188	326.8322	64.41161	15.98	63.66	13.38	69.83	35.06	33.64	-1.413429
7/15/2010 16:00	19970	2_60	2010	196	1600	4.98069	316.171	25.89411	34.72	60.17	29.72	65.53	35.7	34.16	-1.545093
7/15/2010 17:00	19971	2_60	2010	196	1700	4.775405	343.4754	21.14497	28.51	54.24	14.7	63.68	35.49	34.16	-1.32827
7/15/2010 18:00	19972	2_60	2010	196	1800	5.876627	339.7613	18.3084	36.12	50.16	23.83	58.77	35.15	34.12	-1.028352
7/15/2010 19:00	19973	2_60	2010	196	1900	5.905735	321.7427	11.55956	38.12	36.8	32.34	42.49	33.97	33.74	-0.237307
7/15/2010 20:00	19974	2_60	2010	196	2000	3.430754	286.9168	9.629729	13.86	19.52	13.84	15.59	30.01	32.59	2.579264
7/15/2010 21:00	19975	2_60	2010	196	2100	1.094172	245.6651	24.1231	2.381	12.27	1.433	12.74	27.38	31.44	4.057273
7/15/2010 22:00	19976	2_60	2010	196	2200	1.435307	230.7221	28.6461	1.268	3.814	5.007	8.54	25.81	29.93	4.121569
7/15/2010 23:00	19977	2_60	2010	196	2300	0.5576798	231.5013	37.25291	-0.197	0.733	-0.15	0.73	24.58	28.77	4.189519

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/13/2010 0:00	19906	2_60	2010	194	0	28.98	72.71	24.48	0.004	3.686	130.8	2350	13.11
7/13/2010 1:00	19907	2_60	2010	194	100	31.55	70.14	24.49	0.008	4.574	113.2	49	13.13
7/13/2010 2:00	19908	2_60	2010	194	200	31.54	69.9	24.49	0.011	6.588	127.9	153	13.16
7/13/2010 3:00	19909	2_60	2010	194	300	35.03	66.9	24.49	0.016	4.301	132.2	205	13.17
7/13/2010 4:00	19910	2_60	2010	194	400	37.4	65.4	24.51	0.014	1.673	103.5	311	13.19
7/13/2010 5:00	19911	2_60	2010	194	500	36.03	66.07	24.52	0.428	2.765	274.5	451	13.21
7/13/2010 6:00	19912	2_60	2010	194	600	38.36	65.22	24.54	45.17	1.946	317.7	505	13.22
7/13/2010 7:00	19913	2_60	2010	194	700	31.18	73.16	24.54	210.3	4.267	92.8	634	13.18
7/13/2010 8:00	19914	2_60	2010	194	800	26.53	78.21	24.55	412	3.072	300.7	755	13.11
7/13/2010 9:00	19915	2_60	2010	194	900	25.36	80.1	24.53	610.5	3.721	315.5	812	13.05
7/13/2010 10:00	19916	2_60	2010	194	1000	21.91	85.2	24.52	616.3	4.642	212.2	954	13
7/13/2010 11:00	19917	2_60	2010	194	1100	19.56	89	24.52	884	7.066	163.4	1059	12.96
7/13/2010 12:00	19918	2_60	2010	194	1200	18.14	90.7	24.5	887	8.64	182	1103	12.94
7/13/2010 13:00	19919	2_60	2010	194	1300	17.59	91.1	24.48	653.2	9.35	166.5	1236	12.93
7/13/2010 14:00	19920	2_60	2010	194	1400	18.01	90.5	24.51	481.5	25.87	204.7	1354	12.92
7/13/2010 15:00	19921	2_60	2010	194	1500	32.18	82.7	24.46	663.2	21.61	177.4	1400	12.97
7/13/2010 16:00	19922	2_60	2010	194	1600	21.01	91	24.44	636	6.212	180.2	1527	12.95
7/13/2010 17:00	19923	2_60	2010	194	1700	28.77	87.2	24.44	352.6	12.42	306.6	1646	12.95
7/13/2010 18:00	19924	2_60	2010	194	1800	28.78	85.2	24.44	120.1	6.861	316.6	1700	12.97
7/13/2010 19:00	19925	2_60	2010	194	1900	35.59	82.7	24.46	52.53	4.437	294.9	1857	12.99
7/13/2010 20:00	19926	2_60	2010	194	2000	28.26	81.8	24.47	11.15	8.29	310.3	1907	13.02
7/13/2010 21:00	19927	2_60	2010	194	2100	32.35	78.37	24.5	0.012	4.642	286	2000	13.04
7/13/2010 22:00	19928	2_60	2010	194	2200	36.67	76.61	24.52	0.006	5.871	178.3	2136	13.07
7/13/2010 23:00	19929	2_60	2010	194	2300	34.93	76.95	24.52	0.004	6.178	112	2221	13.07
7/14/2010 0:00	19930	2_60	2010	195	0	33.78	76.52	24.53	0.009	6.315	132.9	2339	13.08
7/14/2010 1:00	19931	2_60	2010	195	100	35.98	75.06	24.54	0.016	6.178	127.9	6	13.08
7/14/2010 2:00	19932	2_60	2010	195	200	43.83	70.54	24.54	0.022	2.97	61.9	113	13.11
7/14/2010 3:00	19933	2_60	2010	195	300	45.27	69.79	24.54	0.018	5.666	149.5	240	13.14
7/14/2010 4:00	19934	2_60	2010	195	400	48.04	67.73	24.56	0.014	2.662	188	307	13.16
7/14/2010 5:00	19935	2_60	2010	195	500	52.53	65.32	24.58	0.27	3.004	293.9	414	13.19
7/14/2010 6:00	19936	2_60	2010	195	600	51.96	66.38	24.6	42	2.321	272.9	504	13.2
7/14/2010 7:00	19937	2_60	2010	195	700	41.64	72.24	24.61	214.3	2.594	296.9	646	13.18
7/14/2010 8:00	19938	2_60	2010	195	800	35.38	75.93	24.63	400.2	3.243	293.9	732	13.12
7/14/2010 9:00	19939	2_60	2010	195	900	29.56	80.8	24.62	609.3	3.174	3.182	857	13.06
7/14/2010 10:00	19940	2_60	2010	195	1000	21.27	85.9	24.62	772	5.325	318.2	921	13
7/14/2010 11:00	19941	2_60	2010	195	1100	13.85	89.5	24.61	912	9.83	301.6	1010	12.96
7/14/2010 12:00	19942	2_60	2010	195	1200	12.28	91.2	24.6	989	11.54	297.5	1146	12.94
7/14/2010 13:00	19943	2_60	2010	195	1300	11.56	92.2	24.59	985	8.98	269.7	1220	12.92
7/14/2010 14:00	19944	2_60	2010	195	1400	10.58	94.8	24.57	1000	9.52	258.7	1315	12.91
7/14/2010 15:00	19945	2_60	2010	195	1500	9.8	95.1	24.56	703	12.25	265.7	1456	12.9
7/14/2010 16:00	19946	2_60	2010	195	1600	8.67	94.2	24.55	420.9	9.76	327.5	1527	12.9
7/14/2010 17:00	19947	2_60	2010	195	1700	8.08	94.8	24.55	470.5	12.49	314.6	1629	12.91
7/14/2010 18:00	19948	2_60	2010	195	1800	7.619	95.2	24.55	385.9	10.99	345.3	1705	12.91
7/14/2010 19:00	19949	2_60	2010	195	1900	10.09	93.1	24.56	173.4	7.748	334.2	1821	12.91
7/14/2010 20:00	19950	2_60	2010	195	2000	13.03	86.4	24.58	18.95	5.564	306.5	1953	12.95
7/14/2010 21:00	19951	2_60	2010	195	2100	13.07	83.5	24.6	0.015	4.642	303.7	2000	13
7/14/2010 22:00	19952	2_60	2010	195	2200	18.28	77.33	24.61	0	3.755	304.1	2102	13.04
7/14/2010 23:00	19953	2_60	2010	195	2300	21.08	74.38	24.62	0.002	2.458	211.7	2255	13.09
7/15/2010 0:00	19954	2_60	2010	196	0	20.61	74.57	24.64	0.005	3.14	51.93	2355	13.11
7/15/2010 1:00	19955	2_60	2010	196	100	23.6	70.71	24.64	0.01	2.423	221.6	19	13.14
7/15/2010 2:00	19956	2_60	2010	196	200	23.55	70.83	24.65	0.007	6.895	128.2	137	13.16
7/15/2010 3:00	19957	2_60	2010	196	300	21.99	71.86	24.65	0.023	7.987	117.4	224	13.15
7/15/2010 4:00	19958	2_60	2010	196	400	24.85	68.58	24.67	0.016	6.929	120.3	337	13.15
7/15/2010 5:00	19959	2_60	2010	196	500	29.4	64.15	24.69	0.342	5.837	305	402	13.18
7/15/2010 6:00	19960	2_60	2010	196	600	28.94	65.5	24.7	44.42	5.734	129.3	558	13.21
7/15/2010 7:00	19961	2_60	2010	196	700	24	72.96	24.72	220	6.588	119.3	604	13.18
7/15/2010 8:00	19962	2_60	2010	196	800	21.97	76.32	24.73	422	3.721	14.85	726	13.12
7/15/2010 9:00	19963	2_60	2010	196	900	19.95	80.2	24.73	619	3.106	325.2	857	13.06
7/15/2010 10:00	19964	2_60	2010	196	1000	17.46	84.5	24.72	788.2	3.106	293.2	903	13.01
7/15/2010 11:00	19965	2_60	2010	196	1100	14.07	89.8	24.71	917	3.721	3.698	1047	12.96
7/15/2010 12:00	19966	2_60	2010	196	1200	11.53	92.9	24.69	989	7.441	301.2	1159	12.93
7/15/2010 13:00	19967	2_60	2010	196	1300	10.45	94.5	24.68	1009	9.22	328.7	1226	12.91
7/15/2010 14:00	19968	2_60	2010	196	1400	10.77	95.5	24.66	993	10.04	338.1	1353	12.9
7/15/2010 15:00	19969	2_60	2010	196	1500	10.23	96.1	24.64	819	9.22	331.7	1421	12.89
7/15/2010 16:00	19970	2_60	2010	196	1600	9.28	97	24.63	728.5	11.74	311.6	1550	12.88
7/15/2010 17:00	19971	2_60	2010	196	1700	8.31	96.4	24.62	568.9	9.08	335	1639	12.88
7/15/2010 18:00	19972	2_60	2010	196	1800	7.892	95.8	24.62	364.3	12.39	323.4	1703	12.89
7/15/2010 19:00	19973	2_60	2010	196	1900	7.596	94.1	24.63	169.5	9.59	307.5	1823	12.91
7/15/2010 20:00	19974	2_60	2010	196	2000	9.51	86.9	24.63	17.4	6.11	293	1902	12.94
7/15/2010 21:00	19975	2_60	2010	196	2100	11.21	81.9	24.65	0.011	3.277	93.2	2055	13
7/15/2010 22:00	19976	2_60	2010	196	2200	12.64	79.08	24.65	0.001	2.526	265	2112	13.05
7/15/2010 23:00	19977	2_60	2010	196	2300	14.5	76.71	24.66	0.004	1.502	299.2	2245	13.08

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/16/2010 0:00	19978	2_60	2010	197	0	1.894505	142.3274	55.15626	1.464	14.26	6.608	16.57	23.29	27.04	3.743276
7/16/2010 1:00	19979	2_60	2010	197	100	0.8259087	157.3044	32.5131	-0.826	13.65	-0.293	13.14	22.07	25.67	3.597052
7/16/2010 2:00	19980	2_60	2010	197	200	1.13567	152.0267	24.09478	0.752	5.639	2.448	7.987	21.96	26.43	4.473901
7/16/2010 3:00	19981	2_60	2010	197	300	1.643059	181.8221	17.11681	2.496	7.154	8.03	13.17	22.41	26.34	3.926147
7/16/2010 4:00	19982	2_60	2010	197	400	1.489465	257.0779	27.37766	2.851	13.94	3.951	12.81	20.1	23.59	3.490931
7/16/2010 5:00	19983	2_60	2010	197	500	1.186018	280.4274	42.47012	0.011	7.924	0.76	5.074	17.69	21.45	3.760608
7/16/2010 6:00	19984	2_60	2010	197	600	0.7314468	64.37314	30.98906	-0.176	0.968	-0.228	0.291	18.38	21.02	2.636918
7/16/2010 7:00	19985	2_60	2010	197	700	1.028858	282.2739	19.99167	0.203	8.2	1.715	8.3	18.91	19	0.09068471
7/16/2010 8:00	19986	2_60	2010	197	800	0.754715	311.7859	37.41935	5.258	23.95	4.891	24	22.53	22.04	-0.4895292
7/16/2010 9:00	19987	2_60	2010	197	900	0.9251828	285.6063	56.42826	1.678	39.19	2.938	39.57	26.22	25.48	-0.7441978
7/16/2010 10:00	19988	2_60	2010	197	1000	1.530846	309.1865	30.80822	13.22	53.8	10.69	53.82	28.87	27.96	-0.9136831
7/16/2010 11:00	19989	2_60	2010	197	1100	1.226152	311.8589	49.27121	13.26	49.32	12.41	50.34	31.75	30.73	-1.014964
7/16/2010 12:00	19990	2_60	2010	197	1200	2.010504	141.0547	32.2957	-10.24	53.58	-5.27	57.64	34.01	32.68	-1.336753
7/16/2010 13:00	19991	2_60	2010	197	1300	2.612301	315.7708	63.4042	21.78	64.99	16.44	67.97	35.33	33.97	-1.365539
7/16/2010 14:00	19992	2_60	2010	197	1400	4.208345	296.6057	45.24768	12.07	66.12	12.05	71.2	36.07	34.48	-1.588895
7/16/2010 15:00	19993	2_60	2010	197	1500	4.162772	289.719	28.15371	16.26	60.67	18.79	65.73	36.63	34.92	-1.70976
7/16/2010 16:00	19994	2_60	2010	197	1600	3.238103	255.2785	39.03868	5.804	58.27	13.85	63.72	36.47	35.16	-1.303021
7/16/2010 17:00	19995	2_60	2010	197	1700	3.095823	310.2663	25.69246	13.89	47.2	11.17	48.31	36.49	35.36	-1.135661
7/16/2010 18:00	19996	2_60	2010	197	1800	3.57807	330.8978	27.25022	20.59	44.17	15.63	45.58	36.3	35.4	-0.8970113
7/16/2010 19:00	19997	2_60	2010	197	1900	5.654794	352.7008	14.118	40.84	36.27	28.55	42.92	35.27	34.97	-0.2910072
7/16/2010 20:00	19998	2_60	2010	197	2000	4.55781	24.33215	21.22569	30.13	28	16.86	30.16	32.37	33.49	1.120453
7/16/2010 21:00	19999	2_60	2010	197	2100	1.858133	170.4513	29.4482	2.114	14.71	6.995	17.81	28.48	32.04	3.567762
7/16/2010 22:00	20000	2_60	2010	197	2200	1.430326	247.73	41.24312	0.776	6.344	3.133	8.89	26.59	30.15	3.553418
7/16/2010 23:00	20001	2_60	2010	197	2300	0.8705661	199.1378	27.43378	0.063	1.94	0.138	2.009	25.55	29.72	4.172389
7/17/2010 0:00	20002	2_60	2010	198	0	1.600058	150.8619	30.09979	-0.28	13.25	3.173	15.03	24.47	28.12	3.647312
7/17/2010 1:00	20003	2_60	2010	198	100	1.274395	7.238576	62.33351	1.97	9.37	2.572	9.03	22.7	26.41	3.705218
7/17/2010 2:00	20004	2_60	2010	198	200	0.8084776	114.9612	49.1053	0.767	6.276	0.544	5.077	20.83	24.55	3.710496
7/17/2010 3:00	20005	2_60	2010	198	300	2.161201	146.8972	42.8889	1.65	20.39	8.79	27.09	20.4	23.65	3.246733
7/17/2010 4:00	20006	2_60	2010	198	400	2.089553	157.6576	25.74728	1.641	18.31	8.2	23.16	19.19	23.3	4.107395
7/17/2010 5:00	20007	2_60	2010	198	500	1.960128	213.0298	29.95415	4.309	19.24	13.74	24.46	19.03	22.24	3.206025
7/17/2010 6:00	20008	2_60	2010	198	600	2.41945	280.3618	17.50582	5.335	11.62	5.141	10.37	17.3	18.75	1.451211
7/17/2010 7:00	20009	2_60	2010	198	700	0.9985995	341.6918	48.2046	1.4	6.991	0.866	6.983	18.25	20.1	1.857966
7/17/2010 8:00	20010	2_60	2010	198	800	0.4247043	356.0005	40.13155	2.756	23.53	2.883	23.18	22.66	22.28	-0.3753689
7/17/2010 9:00	20011	2_60	2010	198	900	0.6864471	318.4273	51.66016	0.983	46.28	0.085	44.26	25.85	25.13	-0.7157466
7/17/2010 10:00	20012	2_60	2010	198	1000	1.099261	344.3099	43.2254	9.63	59.35	7.018	58.34	28.96	28.06	-0.900803
7/17/2010 11:00	20013	2_60	2010	198	1100	2.0784	318.9306	48.55276	-2.984	61.68	-6.56	61.96	32.07	30.95	-1.11705
7/17/2010 12:00	20014	2_60	2010	198	1200	2.59791	283.0842	33.77739	20.07	60	22.3	64.04	34.26	32.82	-1.436234
7/17/2010 13:00	20015	2_60	2010	198	1300	2.427955	7.094871	53.9098	-0.711	65.57	-5.304	68.11	35.14	33.82	-1.313707
7/17/2010 14:00	20016	2_60	2010	198	1400	3.629842	6.678781	54.8279	5.846	65.41	-4.832	70.58	36.13	34.57	-1.565173
7/17/2010 15:00	20017	2_60	2010	198	1500	3.170777	40.77504	41.71067	21.06	67.72	10.47	72.54	36.8	35.4	-1.402281
7/17/2010 16:00	20018	2_60	2010	198	1600	3.605122	2.866448	54.76323	5.06	67.29	4.747	73.56	37.3	35.97	-1.333436
7/17/2010 17:00	20019	2_60	2010	198	1700	4.282785	286.2815	36.2429	23.26	56.07	24.93	61.31	37.6	36.26	-1.342484
7/17/2010 18:00	20020	2_60	2010	198	1800	5.01338	288.5565	17.13506	26.31	45.32	29.65	46.73	36.56	35.87	-0.6937954
7/17/2010 19:00	20021	2_60	2010	198	1900	8.361049	303.5065	6.38438	44.47	44.99	45.23	49.09	34.27	34.05	-0.2152427
7/17/2010 20:00	20022	2_60	2010	198	2000	4.70358	299.0776	7.460349	27.58	24.47	25.15	26	30.8	31.99	1.19083
7/17/2010 21:00	20023	2_60	2010	198	2100	1.633646	273.0961	35.67757	-0.361	18.37	3.704	15.19	29.3	31.2	1.899054
7/17/2010 22:00	20024	2_60	2010	198	2200	1.585287	275.3855	21.17233	3.363	18.25	5.325	19.25	28.76	30.98	2.225661
7/17/2010 23:00	20025	2_60	2010	198	2300	1.166215	211.8748	15.38511	0.838	5.16	4.024	9.6	26.48	30.34	3.860621
7/18/2010 0:00	20026	2_60	2010	199	0	1.133109	190.65	14.6476	0.068	6.554	1.316	7.099	25.8	29.32	3.519154
7/18/2010 1:00	20027	2_60	2010	199	100	0.8277854	175.0858	17.81701	0.13	3.65	0.535	4.861	25.96	28.42	2.456971
7/18/2010 2:00	20028	2_60	2010	199	200	5.406966	132.9472	10.47343	-4.13	26.64	14.67	28.24	26.16	26.62	0.4546931
7/18/2010 3:00	20029	2_60	2010	199	300	2.381563	345.0714	48.14169	9.62	21.49	13.84	24.21	24.95	26.77	1.812537
7/18/2010 4:00	20030	2_60	2010	199	400	1.466501	266.7418	52.27909	6.257	19.85	6.506	18.73	22.7	24.85	2.145221
7/18/2010 5:00	20031	2_60	2010	199	500	0.5893973	158.1471	25.98217	-0.247	0.704	-0.188	0.59	21.08	23.8	2.718824
7/18/2010 6:00	20032	2_60	2010	199	600	4.164063	131.9272	9.1475	9.28	19.23	28.37	29.09	22.59	24.17	1.581962
7/18/2010 7:00	20033	2_60	2010	199	700	1.277351	222.5295	29.5408	4.685	20.44	7.248	19.02	22.25	23.72	1.47204
7/18/2010 8:00	20034	2_60	2010	199	800	0.9905427	86.55065	32.93975	5.848	16.98	5.647	17.3	24.62	24.29	-0.3288583
7/18/2010 9:00	20035	2_60	2010	199	900	1.038588	15.39883	50.50178	10.92	28.61	10.45	28.41	27.09	26.48	-0.6039319
7/18/2010 10:00	20036	2_60	2010	199	1000	1.408763	288.042	38.33976	0.903	46.44	1.454	46.09	28.82	27.96	-0.8626966
7/18/2010 11:00	20037	2_60	2010	199	1100	1.341578	293.1428	61.10916	15.09	53.58	15.17	51.65	31.72	30.51	-1.209113
7/18/2010 12:00	20038	2_60	2010	199	1200	1.878409	241.068	47.4377	27.69	69.61	31.25	71.17	33.5	32.07	-1.427529
7/18/2010 13:00	20039	2_60	2010	199	1300	2.649107	314.0023	53.16733	-2.014	67.61	-7.404	70.64	34.36	32.94	-1.422912
7/18/2010 14:00	20040	2_60	2010	199	1400	2.896547	304.2794	50.34431	3.894	64.53	2.24	69.42	35.05	33.69	-1.360173
7/18/2010 15:00	20041	2_60	2010	199	1500	3.337835	338.0659	33.85994	17.62	56.09	10.13	61.07	35.8	34.36	-1.4451
7/18/2010 16:00	20042	2_60	2010	199	1600	5.573188	334.8117	18.49536	37.25	56.22	26.27	66.77	36.51	34.82	-1.695788
7/18/2010 17:00	20043	2_60	2010	199	1700	4.489066	312.6931	14.55194	23.9	40.88	17.29	46.74	35.94	34.88	-1.058561
7/18/2010 18:00	20044	2_60	2010	199	1800	3.806301	324.9231	14.80536	22.11	29.75	16.11	34.39	35.36	34.85	-0.5055791
7/18/2010 19:00	20045	2_60	2010	199	1900	4.764272	324.1643	12.75341	25.47	30.14	19.51	33.85	35.32	34.92	-0.4023249
7/18/2010 20:00	20046	2_60	2010	199	2000	5.300261	296.8142	7.070127	27.8	22.42	24.06	22.2	32.08	33.52	1.430595
7/18/2010 21:00	20047	2_60	2010	199	2100	3.338931	301.5358	35.90712	11.47	22.42	9.36	23.02	29.06	31.42	2.359264
7/18/2010 22:00	20048	2_60	2010	199	2200	1.564123	160.2276	34.72046	1.054	13.6	4.075	16.66	27.15	30.57	3.419315
7/18/2010 23:00	20049	2_60	2010	199	2300	1.762408	175.8612	24.05901	2.175	12.25	9.35	19.5	26.91	29.81	2.907615

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/16/2010 0:00	19978	2_60	2010	197	0	15.94	74.32	24.67	0.005	4.642	113	2330	13.11
7/16/2010 1:00	19979	2_60	2010	197	100	19.26	72.33	24.67	0.007	2.935	45.4	13	13.13
7/16/2010 2:00	19980	2_60	2010	197	200	20.62	72.08	24.67	0.004	2.833	169.4	141	13.15
7/16/2010 3:00	19981	2_60	2010	197	300	18.83	72.89	24.67	0.007	3.277	170.2	239	13.16
7/16/2010 4:00	19982	2_60	2010	197	400	21.44	69.03	24.67	0.008	3.447	293.8	333	13.17
7/16/2010 5:00	19983	2_60	2010	197	500	26.15	64.49	24.69	0.346	3.072	290.7	420	13.2
7/16/2010 6:00	19984	2_60	2010	197	600	24.96	66.49	24.7	45.45	1.843	88.4	505	13.22
7/16/2010 7:00	19985	2_60	2010	197	700	24.46	68.4	24.72	221.7	2.901	265.5	618	13.2
7/16/2010 8:00	19986	2_60	2010	197	800	20.3	74.99	24.72	424.7	2.082	311.4	716	13.14
7/16/2010 9:00	19987	2_60	2010	197	900	14.89	81.7	24.71	626.2	3.755	301	849	13.07
7/16/2010 10:00	19988	2_60	2010	197	1000	12.66	86	24.71	799.1	3.891	334.5	946	13.01
7/16/2010 11:00	19989	2_60	2010	197	1100	10.64	91	24.69	930	3.55	311.9	1035	12.96
7/16/2010 12:00	19990	2_60	2010	197	1200	7.919	94.3	24.68	1006	4.335	123	1112	12.93
7/16/2010 13:00	19991	2_60	2010	197	1300	7.018	97	24.65	1021	8.29	331.3	1241	12.9
7/16/2010 14:00	19992	2_60	2010	197	1400	6.61	97.7	24.63	988	10.96	336.4	1310	12.89
7/16/2010 15:00	19993	2_60	2010	197	1500	6.403	98.8	24.62	894	7.987	305.7	1410	12.88
7/16/2010 16:00	19994	2_60	2010	197	1600	6.532	98.3	24.59	739.1	6.69	245.2	1524	12.87
7/16/2010 17:00	19995	2_60	2010	197	1700	6.595	98.9	24.58	571.7	7.236	296.7	1635	12.87
7/16/2010 18:00	19996	2_60	2010	197	1800	6.459	98.4	24.57	362.2	9.01	351.3	1800	12.88
7/16/2010 19:00	19997	2_60	2010	197	1900	6.423	96.2	24.58	170.4	10.21	336.5	1847	12.89
7/16/2010 20:00	19998	2_60	2010	197	2000	7.204	90.9	24.6	16.97	9.39	19.01	1907	12.93
7/16/2010 21:00	19999	2_60	2010	197	2100	9.11	83.8	24.62	0.002	3.277	199.6	2007	12.98
7/16/2010 22:00	20000	2_60	2010	197	2200	10.38	80.5	24.62	0	2.901	188.7	2113	13.02
7/16/2010 23:00	20001	2_60	2010	197	2300	11.17	78.48	24.61	0.002	1.877	243.7	2206	13.06
7/17/2010 0:00	20002	2_60	2010	198	0	11.71	76.64	24.61	0.005	4.608	121.2	2335	13.09
7/17/2010 1:00	20003	2_60	2010	198	100	12.64	73.7	24.62	0.009	2.97	329.8	20	13.11
7/17/2010 2:00	20004	2_60	2010	198	200	13.97	70.03	24.63	0.006	2.423	88.8	142	13.15
7/17/2010 3:00	20005	2_60	2010	198	300	14.34	69.7	24.63	0.002	6.212	128.8	236	13.18
7/17/2010 4:00	20006	2_60	2010	198	400	15.9	67.17	24.63	0.003	6.622	128.8	359	13.2
7/17/2010 5:00	20007	2_60	2010	198	500	16.51	66.76	24.64	0.285	6.417	129.1	400	13.21
7/17/2010 6:00	20008	2_60	2010	198	600	20.27	63.72	24.65	19.95	4.881	308.4	510	13.22
7/17/2010 7:00	20009	2_60	2010	198	700	20.94	65.44	24.67	97.7	2.628	297.6	601	13.22
7/17/2010 8:00	20010	2_60	2010	198	800	14.15	75.61	24.68	416.7	1.331	340.5	713	13.18
7/17/2010 9:00	20011	2_60	2010	198	900	12.01	81.2	24.68	612.1	2.526	109.2	853	13.09
7/17/2010 10:00	20012	2_60	2010	198	1000	11.55	86.4	24.66	781	3.721	71.25	959	13.02
7/17/2010 11:00	20013	2_60	2010	198	1100	12.63	91.1	24.65	905	5.666	290.1	1048	12.96
7/17/2010 12:00	20014	2_60	2010	198	1200	11.08	94.8	24.62	979	6.042	307.5	1117	12.93
7/17/2010 13:00	20015	2_60	2010	198	1300	10.36	96.3	24.6	996	7.987	37.68	1255	12.9
7/17/2010 14:00	20016	2_60	2010	198	1400	9.21	97.6	24.58	966	8.19	13.06	1352	12.89
7/17/2010 15:00	20017	2_60	2010	198	1500	8.21	99	24.56	889	6.793	62.12	1452	12.88
7/17/2010 16:00	20018	2_60	2010	198	1600	7.832	99.6	24.55	768.4	9.39	311.1	1555	12.87
7/17/2010 17:00	20019	2_60	2010	198	1700	7.049	100.7	24.54	593.4	10.79	294.2	1606	12.86
7/17/2010 18:00	20020	2_60	2010	198	1800	7.661	98.6	24.53	235	9.05	301.9	1746	12.88
7/17/2010 19:00	20021	2_60	2010	198	1900	11.16	94.5	24.56	104.6	14.57	299.8	1822	12.9
7/17/2010 20:00	20022	2_60	2010	198	2000	13.57	88	24.58	6.364	8.36	310.6	1921	12.94
7/17/2010 21:00	20023	2_60	2010	198	2100	14.64	85.2	24.6	0.001	4.642	310.5	2000	12.98
7/17/2010 22:00	20024	2_60	2010	198	2200	15.61	84.2	24.6	0	4.471	286	2121	13.01
7/17/2010 23:00	20025	2_60	2010	198	2300	18.9	80.2	24.61	0.001	2.526	215.3	2207	13.04
7/18/2010 0:00	20026	2_60	2010	199	0	20.68	78.81	24.62	0.002	2.014	195.3	2308	13.06
7/18/2010 1:00	20027	2_60	2010	199	100	20.85	79.23	24.61	0.004	4.437	114.7	59	13.07
7/18/2010 2:00	20028	2_60	2010	199	200	19.81	79.35	24.61	0.009	8.23	132.7	119	13.07
7/18/2010 3:00	20029	2_60	2010	199	300	21.97	77.62	24.6	0.008	6.076	137.5	209	13.06
7/18/2010 4:00	20030	2_60	2010	199	400	24.86	73.6	24.61	0.012	4.13	300.7	344	13.09
7/18/2010 5:00	20031	2_60	2010	199	500	27.26	70.67	24.62	0.206	1.843	96.9	459	13.12
7/18/2010 6:00	20032	2_60	2010	199	600	25.95	73.14	24.62	40.46	6.383	128.1	528	13.14
7/18/2010 7:00	20033	2_60	2010	199	700	28.11	72.78	24.65	90.3	3.004	298.4	652	13.12
7/18/2010 8:00	20034	2_60	2010	199	800	23.75	77.43	24.65	218.8	2.799	99.2	748	13.1
7/18/2010 9:00	20035	2_60	2010	199	900	20.01	82.3	24.64	425.7	3.652	22.51	841	13.06
7/18/2010 10:00	20036	2_60	2010	199	1000	18.01	85.6	24.63	663.9	3.891	300.6	918	13.01
7/18/2010 11:00	20037	2_60	2010	199	1100	15.13	90.6	24.61	892	3.823	302.9	1059	12.96
7/18/2010 12:00	20038	2_60	2010	199	1200	13.84	93.7	24.6	972	5.871	299	1150	12.93
7/18/2010 13:00	20039	2_60	2010	199	1300	13.28	94.9	24.57	1022	6.519	343.3	1247	12.9
7/18/2010 14:00	20040	2_60	2010	199	1400	12.79	96.1	24.55	792.4	8.06	304.3	1347	12.89
7/18/2010 15:00	20041	2_60	2010	199	1500	12.5	97.4	24.53	817	8.47	351.4	1415	12.88
7/18/2010 16:00	20042	2_60	2010	199	1600	12.16	98	24.51	715.3	10.62	338.8	1523	12.88
7/18/2010 17:00	20043	2_60	2010	199	1700	11.88	97.3	24.5	363.4	7.475	308.9	1627	12.88
7/18/2010 18:00	20044	2_60	2010	199	1800	12.26	96.3	24.49	206.7	6.929	295	1750	12.9
7/18/2010 19:00	20045	2_60	2010	199	1900	11.68	96.5	24.49	164.2	8.4	310.4	1842	12.9
7/18/2010 20:00	20046	2_60	2010	199	2000	12.54	90.5	24.51	14.14	8.06	294.7	1945	12.93
7/18/2010 21:00	20047	2_60	2010	199	2100	15.35	84.8	24.54	0.005	6.007	274.8	2001	12.97
7/18/2010 22:00	20048	2_60	2010	199	2200	17.04	81.6	24.54	0.001	4.062	174.7	2101	13.02
7/18/2010 23:00	20049	2_60	2010	199	2300	18.25	81	24.54	0.001	3.994	142.7	2243	13.04

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/19/2010 0:00	20050	2_60	2010	200	0	1.120878	176.0616	52.27105	1.778	14.67	4.141	16.76	26.07	28.84	2.764888
7/19/2010 1:00	20051	2_60	2010	200	100	0.8395358	297.515	45.21294	0.637	14.46	2.064	15.21	25.47	27.55	2.0828
7/19/2010 2:00	20052	2_60	2010	200	200	2.810673	143.0277	30.42336	0.735	20.94	10.06	27.42	24.38	25.64	1.256974
7/19/2010 3:00	20053	2_60	2010	200	300	1.431406	168.4335	35.6816	1.793	18.86	5.853	23.75	22.77	24.85	2.075535
7/19/2010 4:00	20054	2_60	2010	200	400	1.328298	155.9302	23.51348	0.991	11.92	3.631	13.88	21.51	24.22	2.712168
7/19/2010 5:00	20055	2_60	2010	200	500	3.928134	138.8276	10.99182	7.655	16.44	25.44	22.56	21.76	23.69	1.92505
7/19/2010 6:00	20056	2_60	2010	200	600	1.056362	247.7737	29.75058	0.457	5.83	2.064	8.82	19.88	22.44	2.56109
7/19/2010 7:00	20057	2_60	2010	200	700	0.8388229	286.7443	30.98708	0.171	5.278	0.125	6.603	22.6	22.96	0.3616049
7/19/2010 8:00	20058	2_60	2010	200	800	0.7649829	318.1989	42.37772	6.816	20.69	8.6	22.95	25.5	24.85	-0.6509479
7/19/2010 9:00	20059	2_60	2010	200	900	1.053637	28.05206	43.62721	5.413	32.26	2.982	38.53	28.13	27.41	-0.71575
7/19/2010 10:00	20060	2_60	2010	200	1000	1.216849	336.8593	43.54025	16.42	49.21	14.16	54.72	31.04	30.18	-0.8688014
7/19/2010 11:00	20061	2_60	2010	200	1100	2.582863	244.0923	57.44989	11.86	59.54	19.37	69.54	33.93	32.59	-1.341802
7/19/2010 12:00	20062	2_60	2010	200	1200	3.243658	266.9412	51.61268	13	50.74	19.96	61.58	35.03	33.62	-1.408792
7/19/2010 13:00	20063	2_60	2010	200	1300	4.095725	261.2504	36.64481	-1.714	65.08	10.67	72.08	35.53	34.22	-1.311373
7/19/2010 14:00	20064	2_60	2010	200	1400	5.995049	194.5445	32.50079	20.07	69.38	58.39	79.5	35.29	33.91	-1.374776
7/19/2010 15:00	20065	2_60	2010	200	1500	7.459982	183.7205	18.85006	13.53	54.48	63.47	67.33	34.96	33.49	-1.464336
7/19/2010 16:00	20066	2_60	2010	200	1600	6.145899	190.5604	25.31356	16.41	60.44	56.57	73.67	36.16	34.53	-1.635761
7/19/2010 17:00	20067	2_60	2010	200	1700	3.782219	226.5622	29.44652	1.49	44.95	19.94	54.58	35.68	34.79	-0.8868545
7/19/2010 18:00	20068	2_60	2010	200	1800	5.194647	205.7387	13.4164	9.86	37.29	46.3	47.23	34.97	34.37	-0.600762
7/19/2010 19:00	20069	2_60	2010	200	1900	5.740525	233.8057	21.07588	11.38	50.59	45.38	64.09	34.02	33.77	-0.2432586
7/19/2010 20:00	20070	2_60	2010	200	2000	7.458846	260.82	8.201225	4.931	48.27	48.35	58.36	32.06	32.29	0.2320227
7/19/2010 21:00	20071	2_60	2010	200	2100	3.634107	244.3124	27.33904	19.38	27.34	43.54	36.09	30.89	31.57	0.6838494
7/19/2010 22:00	20072	2_60	2010	200	2200	1.564609	248.8275	38.8395	6.102	21.96	9.06	24.8	30.07	31.01	0.9367061
7/19/2010 23:00	20073	2_60	2010	200	2300	5.331038	234.7198	8.636283	32.29	31.58	74.08	36.12	30.13	30.85	0.7141379
7/20/2010 0:00	20074	2_60	2010	201	0	4.250952	248.057	29.50838	16.86	28.58	46.21	42.29	29.64	30.18	0.5415125
7/20/2010 1:00	20075	2_60	2010	201	100	1.616237	234.2838	62.60137	8.52	30.15	13.53	32.49	28.27	29.3	1.025168
7/20/2010 2:00	20076	2_60	2010	201	200	1.796945	145.7883	46.29954	8.56	23.64	16.24	36.33	27.33	28.83	1.497144
7/20/2010 3:00	20077	2_60	2010	201	300	1.405237	144.6764	48.5652	4.577	33.87	8.39	38.97	26.66	27.78	1.120085
7/20/2010 4:00	20078	2_60	2010	201	400	2.668789	288.504	48.50137	13.66	25.59	24.76	39.71	25.37	26.65	1.286028
7/20/2010 5:00	20079	2_60	2010	201	500	1.84351	90.19193	54.55055	3.459	16.37	3.007	17.57	24.22	26.02	1.798942
7/20/2010 6:00	20080	2_60	2010	201	600	0.978943	174.0915	39.23328	-0.688	7.562	0.774	9.08	24.46	25.75	1.291158
7/20/2010 7:00	20081	2_60	2010	201	700	1.045529	318.8751	28.11143	0.254	14.51	-0.408	13.8	26.23	26.05	-0.1744671
7/20/2010 8:00	20082	2_60	2010	201	800	1.385382	276.7303	42.80476	8.98	35.13	13.16	37.41	27.95	27.2	-0.7429672
7/20/2010 9:00	20083	2_60	2010	201	900	2.100501	188.4737	59.93793	17.81	50.74	24.22	51.57	29.39	28.41	-0.9822294
7/20/2010 10:00	20084	2_60	2010	201	1000	2.662846	188.4898	40.022	6.151	51.16	18.74	55.4	30.65	29.35	-1.308604
7/20/2010 11:00	20085	2_60	2010	201	1100	3.267438	168.5941	23.18035	-2.585	61.67	10.81	67.92	32.16	30.58	-1.58736
7/20/2010 12:00	20086	2_60	2010	201	1200	3.651454	214.399	44.12366	6.803	64.58	25.64	71.25	33.31	31.73	-1.586283
7/20/2010 13:00	20087	2_60	2010	201	1300	3.708859	215.3879	25.16595	6.059	65.6	27.95	74.19	33.52	32.3	-1.223773
7/20/2010 14:00	20088	2_60	2010	201	1400	4.471906	241.4025	21.45515	7.149	50.17	30.54	56.62	32.93	31.96	-0.9642393
7/20/2010 15:00	20089	2_60	2010	201	1500	7.086199	299.8213	12.43731	34.95	46.02	34.77	50.87	31.83	30.92	-0.9121976
7/20/2010 16:00	20090	2_60	2010	201	1600	4.934548	315.2687	11.18465	32.65	47.95	25.55	54.54	32.87	31.41	-1.460806
7/20/2010 17:00	20091	2_60	2010	201	1700	3.754968	329.69	16.26452	24.09	48.27	15.81	53.77	33.89	32.74	-1.149447
7/20/2010 18:00	20092	2_60	2010	201	1800	3.335104	312.0161	16.10156	15.35	31.74	10.54	34.46	33.11	32.6	-0.5140494
7/20/2010 19:00	20093	2_60	2010	201	1900	9.026723	284.9911	13.45381	37.59	63.61	56.14	69.43	30.25	29.98	-0.2765799
7/20/2010 20:00	20094	2_60	2010	201	2000	4.454584	343.7118	28.62312	25.18	35.81	20.8	38.66	25.06	24.71	-0.355517
7/20/2010 21:00	20095	2_60	2010	201	2100	6.546644	190.4691	31.81414	16.43	68.94	60.16	86.9	NAN	23.05	NAN
7/20/2010 22:00	20096	2_60	2010	201	2200	4.674999	159.3292	50.32666	16.3	48.04	32.92	60.37	19.23	19.63	0.4001159
7/20/2010 23:00	20097	2_60	2010	201	2300	2.799834	108.0855	18.82146	0.323	13.99	3.48	16.24	18.97	19.25	0.2811472
7/21/2010 0:00	20098	2_60	2010	202	0	4.303375	126.5297	12.68611	1.614	41.44	13.28	47.08	18.97	18.98	0.01365981
7/21/2010 1:00	20099	2_60	2010	202	100	2.555434	300.5138	35.40582	10.93	27.02	11.1	28.05	18.62	19.05	0.4328517
7/21/2010 2:00	20100	2_60	2010	202	200	3.542972	290.0622	10.58164	17.33	24.04	14.74	21.25	17.75	17.77	0.0174832
7/21/2010 3:00	20101	2_60	2010	202	300	0.9537099	142.4868	28.82004	0.861	7.473	1.081	6.174	17.82	18.29	0.4737485
7/21/2010 4:00	20102	2_60	2010	202	400	0.3736476	92.73737	16.05149	-0.268	0.083	-0.247	0.113	17.91	18.34	0.430133
7/21/2010 5:00	20103	2_60	2010	202	500	0.5435767	112.8311	15.54755	-0.265	0.088	-0.235	0.123	18.22	18.49	0.2751421
7/21/2010 6:00	20104	2_60	2010	202	600	1.364762	97.264	48.4716	2.868	9.27	3.538	9.98	18.33	18.74	0.408466
7/21/2010 7:00	20105	2_60	2010	202	700	1.112628	70.85858	36.15686	-0.142	1.696	-0.146	1.196	17.89	17.68	-0.2145376
7/21/2010 8:00	20106	2_60	2010	202	800	2.138507	95.58365	15.51853	-0.699	5.94	-0.993	5.632	17.57	17.32	-0.2540928
7/21/2010 9:00	20107	2_60	2010	202	900	1.00036	182.7323	26.34667	0.009	13.49	0.645	14.47	17.99	17.6	-0.3858244
7/21/2010 10:00	20108	2_60	2010	202	1000	3.250372	101.0723	8.806543	-5.555	18.85	-6.035	21.22	18.47	18.02	-0.4522684
7/21/2010 11:00	20109	2_60	2010	202	1100	2.336588	96.36001	11.16404	1.461	17.82	1.094	21.17	18.66	18.17	-0.4965504
7/21/2010 12:00	20110	2_60	2010	202	1200	3.356629	110.5816	14.92828	-5.513	30.64	-2.157	35.46	19.83	19.03	-0.7976289
7/21/2010 13:00	20111	2_60	2010	202	1300	1.807015	58.99632	32.03896	-0.22	52.58	-4.358	55.1	21.96	21.13	-0.8390538
7/21/2010 14:00	20112	2_60	2010	202	1400	1.689592	352.5222	57.6783	3.98	55.5	0.942	56.02	23.69	22.72	-0.9672418
7/21/2010 15:00	20113	2_60	2010	202	1500	3.794356	303.4008	12.38082	21.23	38.82	16.95	41.38	23.92	22.99	-0.9285994
7/21/2010 16:00	20114	2_60	2010	202	1600	6.806846	271.1763	13.05739	24.71	40.7	52.71	51.57	22.32	22.2	-0.1144227
7/21/2010 17:00	20115	2_60	2010	202	1700	3.37342	238.9247	42.01591	11.7	40.05	21.33	47.45	22.25	21.95	-0.292714
7/21/2010 18:00	20116	2_60	2010	202	1800	4.631064	161.6317	19.82503	15.3	38.67	42.05	47.71	22.92	22.36	-0.5595858
7/21/2010 19:00	20117	2_60	2010	202	1900	5.585679	102.4854	11.44281	-6.407	36.94	-5.76	44.66	22.35	21.89	-0.4543976
7/21/2010 20:00	20118	2_60	2010	202	2000	3.686765	101.5921	15.73978	-4.779	28.13	-2.516	32.73	20.25	20.32	0.07746673
7/21/2010 21:00	20119	2_60	2010	202	2100	0.9062077	197.7636	18.46222	0.021	6.033	1.607	6.675	18.79	19.57	0.7832145
7/21/2010 22:00	20120	2_60	2010	202	2200	0.6084856	243.5604	44.3667	0.034	4.15	0.515	4.371	18.17	19.53	1.355708
7/21/2010 23:00	20121	2_60	2010	202	2300	0.8644496	254.8004	27.24879	-0.159	3.324	1.089	3.66	17.62	19.47	1.84635

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/19/2010 0:00	20050	2_60	2010	200	0	19.72	79.36	24.54	0.004	2.697	202.8	2347	13.06
7/19/2010 1:00	20051	2_60	2010	200	100	21.1	78.08	24.55	0.006	2.287	204.7	29	13.07
7/19/2010 2:00	20052	2_60	2010	200	200	23.42	76.33	24.54	0.007	5.837	130.5	124	13.08
7/19/2010 3:00	20053	2_60	2010	200	300	25.38	73.59	24.54	0.013	5.393	127.4	201	13.1
7/19/2010 4:00	20054	2_60	2010	200	400	27.8	71.11	24.55	0.015	3.721	128.9	332	13.13
7/19/2010 5:00	20055	2_60	2010	200	500	28.73	71.66	24.56	0.222	5.769	140.9	425	13.15
7/19/2010 6:00	20056	2_60	2010	200	600	31.74	68.62	24.57	37.41	4.062	141.8	500	13.15
7/19/2010 7:00	20057	2_60	2010	200	700	27.86	74.23	24.59	200.5	1.911	276.7	656	13.14
7/19/2010 8:00	20058	2_60	2010	200	800	22.95	80.3	24.6	395.9	2.458	32.02	739	13.09
7/19/2010 9:00	20059	2_60	2010	200	900	19.51	84.6	24.58	591.8	2.935	44.81	846	13.03
7/19/2010 10:00	20060	2_60	2010	200	1000	16.75	89.9	24.57	766.5	5.632	313.1	957	12.98
7/19/2010 11:00	20061	2_60	2010	200	1100	15.49	94	24.55	874	6.519	245.8	1021	12.93
7/19/2010 12:00	20062	2_60	2010	200	1200	14.19	95.9	24.53	775.6	8.98	259.8	1134	12.91
7/19/2010 13:00	20063	2_60	2010	200	1300	13.33	96.6	24.51	762.3	10.38	250.4	1209	12.9
7/19/2010 14:00	20064	2_60	2010	200	1400	14.22	95.7	24.51	533.4	12.01	225.9	1347	12.89
7/19/2010 15:00	20065	2_60	2010	200	1500	14.62	95	24.49	531.7	12.56	188.3	1451	12.9
7/19/2010 16:00	20066	2_60	2010	200	1600	13.26	97.1	24.47	677.8	10.24	195.8	1522	12.9
7/19/2010 17:00	20067	2_60	2010	200	1700	13.17	96.8	24.46	305.5	7.407	193.7	1651	12.89
7/19/2010 18:00	20068	2_60	2010	200	1800	13.42	95.2	24.45	165.6	9.25	181.2	1709	12.88
7/19/2010 19:00	20069	2_60	2010	200	1900	13.66	93.6	24.48	72.63	13.04	242.4	1840	12.92
7/19/2010 20:00	20070	2_60	2010	200	2000	15.9	90.1	24.47	8.42	13.79	262.6	1904	12.94
7/19/2010 21:00	20071	2_60	2010	200	2100	17.11	88	24.49	0	6.827	236	2007	12.97
7/19/2010 22:00	20072	2_60	2010	200	2200	18.3	86.5	24.5	0	5.598	258.4	2100	12.99
7/19/2010 23:00	20073	2_60	2010	200	2300	17.73	86.6	24.5	0	8.5	244.4	2225	13
7/20/2010 0:00	20074	2_60	2010	201	0	18.48	85.8	24.52	0	9.32	238.3	2302	13
7/20/2010 1:00	20075	2_60	2010	201	100	20.56	83.2	24.52	0.001	5.598	227.7	47	13.01
7/20/2010 2:00	20076	2_60	2010	201	200	22.51	81.8	24.53	0.003	5.803	187.5	143	13.03
7/20/2010 3:00	20077	2_60	2010	201	300	24.97	80.2	24.53	0.003	4.983	197.6	228	13.04
7/20/2010 4:00	20078	2_60	2010	201	400	28.67	78.19	24.54	0.004	7.339	211.1	309	13.05
7/20/2010 5:00	20079	2_60	2010	201	500	31.14	76.12	24.55	0.126	4.745	79.78	440	13.08
7/20/2010 6:00	20080	2_60	2010	201	600	30.74	76.61	24.56	40.1	2.287	220.3	512	13.09
7/20/2010 7:00	20081	2_60	2010	201	700	27.77	81.1	24.57	192.4	3.311	7.662	638	13.07
7/20/2010 8:00	20082	2_60	2010	201	800	26.68	84.3	24.59	388.2	4.13	250	751	13.03
7/20/2010 9:00	20083	2_60	2010	201	900	25.03	86.4	24.59	570.4	5.222	177.6	851	12.99
7/20/2010 10:00	20084	2_60	2010	201	1000	23.11	88.1	24.58	749.2	6.042	150.4	927	12.96
7/20/2010 11:00	20085	2_60	2010	201	1100	20.52	90.5	24.57	808	7.305	156.4	1045	12.94
7/20/2010 12:00	20086	2_60	2010	201	1200	19.21	92.5	24.55	906	8.26	273.3	1132	12.92
7/20/2010 13:00	20087	2_60	2010	201	1300	18.31	92.9	24.53	481.1	9.42	212	1214	12.91
7/20/2010 14:00	20088	2_60	2010	201	1400	19.22	91.7	24.52	299.1	8.12	243.8	1345	12.92
7/20/2010 15:00	20089	2_60	2010	201	1500	21.77	89.7	24.52	254.4	10.75	309.7	1434	12.93
7/20/2010 16:00	20090	2_60	2010	201	1600	18.1	91.7	24.49	687.7	7.134	315.2	1507	12.94
7/20/2010 17:00	20091	2_60	2010	201	1700	17.22	93.8	24.47	454.1	6.519	294.3	1650	12.91
7/20/2010 18:00	20092	2_60	2010	201	1800	18.37	92.3	24.47	152.7	6.076	309.4	1757	12.92
7/20/2010 19:00	20093	2_60	2010	201	1900	25.48	86.9	24.53	26.31	21.91	315.5	1845	12.94
7/20/2010 20:00	20094	2_60	2010	201	2000	42.18	77.44	24.56	2.276	13.79	298.8	1904	12.99
7/20/2010 21:00	20095	2_60	2010	201	2100	54.14	73.66	24.64	0.143	13.69	201.7	2041	13.04
7/20/2010 22:00	20096	2_60	2010	201	2200	78.45	67.05	24.67	0.007	11.16	241.2	2114	13.12
7/20/2010 23:00	20097	2_60	2010	201	2300	83.7	66.56	24.63	0.004	5.427	128.9	2251	13.15
7/21/2010 0:00	20098	2_60	2010	202	0	81.8	66.43	24.62	0.006	7.441	105.2	2305	13.17
7/21/2010 1:00	20099	2_60	2010	202	100	83.6	66.02	24.61	0.01	6.519	125.7	0	13.17
7/21/2010 2:00	20100	2_60	2010	202	200	89.8	64.19	24.61	0.015	6.793	312.8	111	13.18
7/21/2010 3:00	20101	2_60	2010	202	300	89	64.47	24.6	0.013	3.345	293.7	200	13.19
7/21/2010 4:00	20102	2_60	2010	202	400	90.6	64.52	24.6	0.015	0.922	79.82	300	13.19
7/21/2010 5:00	20103	2_60	2010	202	500	90.7	65.09	24.62	0.045	1.297	84	406	13.18
7/21/2010 6:00	20104	2_60	2010	202	600	90.6	65.36	24.64	2.642	2.935	103.7	529	13.18
7/21/2010 7:00	20105	2_60	2010	202	700	92.3	64.54	24.67	9.33	2.185	26.39	631	13.18
7/21/2010 8:00	20106	2_60	2010	202	800	92.9	63.91	24.67	16.47	3.447	92	744	13.19
7/21/2010 9:00	20107	2_60	2010	202	900	89.6	64.73	24.67	99	4.471	108.7	859	13.19
7/21/2010 10:00	20108	2_60	2010	202	1000	88.1	65.63	24.67	129	5.052	128.3	903	13.18
7/21/2010 11:00	20109	2_60	2010	202	1100	87.4	66.01	24.67	140.3	4.642	102.6	1005	13.17
7/21/2010 12:00	20110	2_60	2010	202	1200	81.4	68.06	24.64	500.8	5.973	127.4	1130	13.16
7/21/2010 13:00	20111	2_60	2010	202	1300	68.57	72.46	24.62	927	5.222	100.7	1203	13.11
7/21/2010 14:00	20112	2_60	2010	202	1400	61.03	76.03	24.57	933	4.745	353.8	1313	13.05
7/21/2010 15:00	20113	2_60	2010	202	1500	65.54	75.93	24.56	426.5	6.622	298.9	1457	13.02
7/21/2010 16:00	20114	2_60	2010	202	1600	69.32	72.6	24.56	24.77	12.9	239.9	1550	13.05
7/21/2010 17:00	20115	2_60	2010	202	1700	70.69	72.42	24.56	174.6	9.22	252.6	1600	13.1
7/21/2010 18:00	20116	2_60	2010	202	1800	60.31	73.64	24.55	254.6	8.77	182	1738	13.09
7/21/2010 19:00	20117	2_60	2010	202	1900	62.09	72.61	24.55	154.2	9.11	89.7	1825	13.08
7/21/2010 20:00	20118	2_60	2010	202	2000	70.01	68.86	24.56	11.86	7.407	115.3	1904	13.1
7/21/2010 21:00	20119	2_60	2010	202	2100	80.7	66.24	24.58	0.021	3.004	115.1	2000	13.14
7/21/2010 22:00	20120	2_60	2010	202	2200	83.8	65.05	24.58	0.008	1.638	290.1	2108	13.17
7/21/2010 23:00	20121	2_60	2010	202	2300	86.8	64.14	24.58	0.007	1.946	182.7	2203	13.19

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/22/2010 0:00	20122	2_60	2010	203	0	0.8241158	158.1228	45.88921	-0.24	0.889	-0.078	1.034	17.28	19.3	2.013945
7/22/2010 1:00	20123	2_60	2010	203	100	1.062084	225.9297	59.26131	1.899	9.05	2.927	10.8	17.12	19.07	1.953387
7/22/2010 2:00	20124	2_60	2010	203	200	1.582763	294.7541	31.22438	7.133	13.26	5.993	11.52	17.13	17.81	0.6801386
7/22/2010 3:00	20125	2_60	2010	203	300	1.646475	160.3414	20.41957	3.191	11.86	6.845	16.38	17.35	18.4	1.041681
7/22/2010 4:00	20126	2_60	2010	203	400	1.996735	127.6863	69.74397	4.653	27.54	6.606	30.94	17.57	18.32	0.7488274
7/22/2010 5:00	20127	2_60	2010	203	500	1.091756	185.1561	53.7702	2.178	18.7	4.051	20.36	16.67	17.54	0.8721325
7/22/2010 6:00	20128	2_60	2010	203	600	0.6612157	164.6169	24.5717	-0.431	6.872	0.842	7.791	16.54	17.57	1.025
7/22/2010 7:00	20129	2_60	2010	203	700	1.239948	302.1113	34.11947	0.792	6.834	2.043	6.823	16.79	16.9	0.1098752
7/22/2010 8:00	20130	2_60	2010	203	800	1.132283	304.1865	14.87294	4.542	11.65	4.166	11.12	17.85	17.43	-0.4168196
7/22/2010 9:00	20131	2_60	2010	203	900	0.5472149	342.3654	23.18648	7.568	23.32	6.254	22.24	18.87	18.41	-0.463388
7/22/2010 10:00	20132	2_60	2010	203	1000	0.556715	95.60307	45.6407	-5.814	41.31	-5.891	42.43	20.92	20.24	-0.6821362
7/22/2010 11:00	20133	2_60	2010	203	1100	1.301699	324.8498	38.55809	9.53	40.22	5.986	41.17	22.75	22.05	-0.6958115
7/22/2010 12:00	20134	2_60	2010	203	1200	1.575137	327.0292	35.31661	12.93	51.46	9.44	54.29	24.35	23.51	-0.8430781
7/22/2010 13:00	20135	2_60	2010	203	1300	1.064815	4.843654	62.4403	5.893	61.65	5.572	62.57	25.97	25.1	-0.8675023
7/22/2010 14:00	20136	2_60	2010	203	1400	1.857332	198.9323	55.48682	0	55.09	6.453	59.16	27.06	26.08	-0.9830274
7/22/2010 15:00	20137	2_60	2010	203	1500	1.658189	85.83344	26.9761	-7.737	42.47	-11.35	47.87	27.87	26.77	-1.09918
7/22/2010 16:00	20138	2_60	2010	203	1600	2.132497	186.7227	32.31846	1.056	46.5	9.27	50.78	28.14	27.27	-0.8680722
7/22/2010 17:00	20139	2_60	2010	203	1700	1.714795	268.5005	37.30761	4.113	46.09	9.63	48.55	28.99	28.11	-0.8807325
7/22/2010 18:00	20140	2_60	2010	203	1800	2.746866	247.2839	15.66242	7.449	23.62	21.67	26.86	28.38	28.2	-0.179379
7/22/2010 19:00	20141	2_60	2010	203	1900	6.656976	233.3595	9.287889	21.56	53.52	69.2	65.25	26.64	26.79	0.1505882
7/22/2010 20:00	20142	2_60	2010	203	2000	4.34774	248.8991	41.12654	20.59	34.42	49.04	52.99	25.16	25.42	0.2667659
7/22/2010 21:00	20143	2_60	2010	203	2100	1.373209	165.4218	50.50088	2.536	18.58	4.529	18.45	24.14	24.67	0.5220006
7/22/2010 22:00	20144	2_60	2010	203	2200	1.557048	131.6895	62.78375	9.65	17.37	14.44	19.45	22.56	23.98	1.418347
7/22/2010 23:00	20145	2_60	2010	203	2300	1.671726	174.6422	34.69999	2.82	13.92	9.6	16.83	21.28	23.83	2.54397
7/23/2010 0:00	20146	2_60	2010	204	0	2.765256	187.5374	28.61079	18.49	29.59	35.51	41.45	21.38	22.76	1.378802
7/23/2010 1:00	20147	2_60	2010	204	100	1.387689	96.94541	27.86613	-4.673	27.09	-5.632	27.3	21	22.4	1.398779
7/23/2010 2:00	20148	2_60	2010	204	200	0.8807753	335.7371	42.21603	4.336	17.26	4.989	18.44	19.97	21.51	1.539912
7/23/2010 3:00	20149	2_60	2010	204	300	1.208767	59.54398	49.38872	3.246	13.01	2.91	12.14	18.68	20.02	1.339595
7/23/2010 4:00	20150	2_60	2010	204	400	1.165307	151.7802	27.88994	-0.038	7.842	1.752	7.732	18.37	20.48	2.114095
7/23/2010 5:00	20151	2_60	2010	204	500	1.003631	202.5003	19.5851	0.41	6.589	2.656	8.51	18.04	20.23	2.186467
7/23/2010 6:00	20152	2_60	2010	204	600	0.7921181	258.2205	27.31038	1.557	6.416	1.136	5.58	17.8	19.63	1.82662
7/23/2010 7:00	20153	2_60	2010	204	700	1.137545	286.5319	15.57466	0.046	9.73	1.213	8.54	19.35	19.25	-0.1029849
7/23/2010 8:00	20154	2_60	2010	204	800	1.121929	305.6618	24.59237	3.757	26.89	2.445	24.69	21.17	20.66	-0.5078469
7/23/2010 9:00	20155	2_60	2010	204	900	0.7093163	129.9283	42.99488	-2.279	44.88	-0.853	45.67	22.89	22.19	-0.7039055
7/23/2010 10:00	20156	2_60	2010	204	1000	1.165623	4.831051	61.07914	16.91	58.53	16.25	58.67	24.86	23.93	-0.9292581
7/23/2010 11:00	20157	2_60	2010	204	1100	2.021569	311.4267	43.46191	22.3	47.32	19.28	49.87	26.38	25.3	-1.073482
7/23/2010 12:00	20158	2_60	2010	204	1200	1.83116	245.8105	37.24472	10.86	57.75	14.54	58.88	27.44	26.37	-1.065845
7/23/2010 13:00	20159	2_60	2010	204	1300	1.377616	273.4686	56.79321	5.252	53.76	5.217	53.75	28.59	27.62	-0.968969
7/23/2010 14:00	20160	2_60	2010	204	1400	1.782496	277.5482	42.51849	1.761	42.89	1.35	43.25	29.81	28.8	-1.001609
7/23/2010 15:00	20161	2_60	2010	204	1500	2.030499	286.8288	33.42608	13.22	38.12	11.31	40.18	30.43	29.56	-0.8771791
7/23/2010 16:00	20162	2_60	2010	204	1600	4.80335	48.69201	18.55317	17.91	45.4	-1.105	50.98	30.59	29.44	-1.14865
7/23/2010 17:00	20163	2_60	2010	204	1700	1.612424	66.28281	21.17856	4.329	16.94	0.222	17.48	30.18	29.75	-0.4273514
7/23/2010 18:00	20164	2_60	2010	204	1800	1.178511	41.41708	44.04866	1.528	10.14	0.885	8.51	29.84	29.56	-0.2832854
7/23/2010 19:00	20165	2_60	2010	204	1900	2.813268	301.7219	6.38493	12.92	12.85	4.949	12.05	29.06	28.91	-0.1428954
7/23/2010 20:00	20166	2_60	2010	204	2000	1.37059	241.2117	24.01093	4.28	10.69	4.333	9.58	25.82	28.04	2.221498
7/23/2010 21:00	20167	2_60	2010	204	2100	1.587056	191.2962	8.204494	1.249	4.677	3.982	8.92	24.24	27.72	3.479721
7/23/2010 22:00	20168	2_60	2010	204	2200	1.276836	270.3783	14.64299	0.725	8.37	1.506	5.498	22.62	25.97	3.355726
7/23/2010 23:00	20169	2_60	2010	204	2300	0.983579	150.8428	45.99119	1.671	6.909	1.147	5.536	21.34	24.66	3.31438
7/24/2010 0:00	20170	2_60	2010	205	0	1.549645	276.9082	38.9124	9.28	26.91	10.47	26.61	21.79	24.59	2.805288
7/24/2010 1:00	20171	2_60	2010	205	100	0.8954569	175.1237	44.49471	0.417	8.87	2.858	10.85	21.27	23.53	2.266546
7/24/2010 2:00	20172	2_60	2010	205	200	1.377362	306.5465	45.80369	4.546	14.67	3.673	11.6	20.13	22.26	2.133974
7/24/2010 3:00	20173	2_60	2010	205	300	1.819018	104.5351	27.35595	-0.303	13.29	2.296	14.88	19.1	21.08	1.974548
7/24/2010 4:00	20174	2_60	2010	205	400	1.430857	174.7792	23.1301	0.553	12.13	3.905	13.41	18.77	21.05	2.278097
7/24/2010 5:00	20175	2_60	2010	205	500	1.353614	247.6534	40.52215	0.188	8.83	1.915	11.08	16.61	19.59	2.973297
7/24/2010 6:00	20176	2_60	2010	205	600	1.550253	285.5253	34.02069	1.336	14.01	1.006	11.21	15.72	17.56	1.844439
7/24/2010 7:00	20177	2_60	2010	205	700	0.6654007	335.0715	29.67721	-0.423	11.2	-1.758	9.95	19.16	18.9	-0.2559774
7/24/2010 8:00	20178	2_60	2010	205	800	0.9959496	63.52039	39.09858	0.787	28.13	-0.13	27.21	21.79	21.13	-0.6573424
7/24/2010 9:00	20179	2_60	2010	205	900	1.377105	312.606	30.47093	0.809	37.93	0.045	36.97	23.58	22.83	-0.754358
7/24/2010 10:00	20180	2_60	2010	205	1000	1.455496	309.5563	32.13742	5.774	42.47	2.586	42.65	25.17	24.25	-0.9149819
7/24/2010 11:00	20181	2_60	2010	205	1100	1.773478	298.4969	28.05569	5.207	45.74	3.83	46.1	27.48	26.37	-1.1134
7/24/2010 12:00	20182	2_60	2010	205	1200	1.881025	292.0576	35.091	8.26	55.06	7.231	55	29.74	28.61	-1.134288
7/24/2010 13:00	20183	2_60	2010	205	1300	2.509504	297.3271	25.20952	13.18	60.8	11.49	62.33	32.06	30.78	-1.285965
7/24/2010 14:00	20184	2_60	2010	205	1400	2.054707	153.7827	54.29462	-6.904	70.04	-4.657	74.17	33.23	32.03	-1.199273
7/24/2010 15:00	20185	2_60	2010	205	1500	6.649498	63.79235	29.10418	25.03	64.36	4.615	70.16	32.82	31.87	-0.9548211
7/24/2010 16:00	20186	2_60	2010	205	1600	7.80635	190.136	31.41458	21.72	77.64	72.1	100.5	28.4	28.52	0.120784
7/24/2010 17:00	20187	2_60	2010	205	1700	10.60085	196.1077	6.409097	36.43	43.57	131.2	56.97	27.33	27.03	-0.3060508
7/24/2010 18:00	20188	2_60	2010	205	1800	4.679085	217.3586	41.00732	26.87	42.22	58.25	60.79	27.52	27.36	-0.1572415
7/24/2010 19:00	20189	2_60	2010	205	1900	2.426532	114.6907	29.46823	3.211	23.95	6.489	28.87	26.8	26.89	0.09362129
7/24/2010 20:00	20190	2_60	2010	205	2000	3.626742	132.3497	24.08105	9.48	39.9	20.77	44.57	26.09	26.31	0.2124412
7/24/2010 21:00	20191	2_60	2010	205	2100	1.653417	31.29451	39.4912	3.59	21	6.962	25.57	24.84	25.55	0.7077803
7/24/2010 22:00	20192	2_60	2010	205	2200	2.816872	275.9348	23.79521	2.247	33.05	10.13	34.93	24.1	24.52	0.4221489
7/24/2010 23:00	20193	2_60	2010	205	2300	2.106844	335.15	56.48989	12.89	43.11	8.87	42.31	22.82	23.1	0.2785697

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/22/2010 0:00	20122	2_60	2010	203	0	87.1	63.45	24.58	0.014	2.287	116.1	2320	13.21
7/22/2010 1:00	20123	2_60	2010	203	100	85.8	63.26	24.58	0.008	3.209	297.4	58	13.21
7/22/2010 2:00	20124	2_60	2010	203	200	89	63.13	24.58	0.013	3.891	296.7	109	13.21
7/22/2010 3:00	20125	2_60	2010	203	300	88.1	63.49	24.59	0.014	4.198	119.2	251	13.21
7/22/2010 4:00	20126	2_60	2010	203	400	84.3	63.98	24.59	0.203	4.915	78.87	354	13.21
7/22/2010 5:00	20127	2_60	2010	203	500	86.6	62.31	24.61	0.134	4.676	114.9	400	13.22
7/22/2010 6:00	20128	2_60	2010	203	600	87.8	62.07	24.62	19.38	1.946	195.3	533	13.22
7/22/2010 7:00	20129	2_60	2010	203	700	88.9	63.03	24.63	93.2	2.389	307.2	652	13.22
7/22/2010 8:00	20130	2_60	2010	203	800	83.8	65.14	24.64	202	1.946	321.4	740	13.2
7/22/2010 9:00	20131	2_60	2010	203	900	77.53	67.47	24.64	280.9	2.048	344.3	800	13.16
7/22/2010 10:00	20132	2_60	2010	203	1000	67.15	71.72	24.63	644	2.116	43.88	945	13.12
7/22/2010 11:00	20133	2_60	2010	203	1100	60.96	74.46	24.62	453.3	3.55	312.4	1034	13.06
7/22/2010 12:00	20134	2_60	2010	203	1200	55.23	77.44	24.61	909	3.379	191.6	1151	13.04
7/22/2010 13:00	20135	2_60	2010	203	1300	46.62	80.4	24.59	730.9	4.13	319.7	1202	13
7/22/2010 14:00	20136	2_60	2010	203	1400	38.6	82	24.56	835	6.212	214.6	1317	12.98
7/22/2010 15:00	20137	2_60	2010	203	1500	35.82	83	24.54	705.9	3.584	53.72	1445	12.96
7/22/2010 16:00	20138	2_60	2010	203	1600	34.68	83.5	24.52	496.8	5.564	182.2	1525	12.96
7/22/2010 17:00	20139	2_60	2010	203	1700	30.01	85.9	24.52	534.1	5.018	234.6	1619	12.95
7/22/2010 18:00	20140	2_60	2010	203	1800	32.28	83.9	24.52	142.1	5.427	250	1755	12.95
7/22/2010 19:00	20141	2_60	2010	203	1900	36.79	80.3	24.51	24.07	11.91	233.2	1825	12.99
7/22/2010 20:00	20142	2_60	2010	203	2000	41.01	77.68	24.52	5.65	9.83	226.8	1903	13.03
7/22/2010 21:00	20143	2_60	2010	203	2100	44.23	75.85	24.53	0.021	3.447	223	2041	13.06
7/22/2010 22:00	20144	2_60	2010	203	2200	51.74	73.14	24.56	0.025	2.901	343.3	2104	13.08
7/22/2010 23:00	20145	2_60	2010	203	2300	55.78	70.53	24.56	0.028	3.072	176.7	2238	13.11
7/23/2010 0:00	20146	2_60	2010	204	0	50.54	70.99	24.57	0.02	6.383	193.7	2317	13.13
7/23/2010 1:00	20147	2_60	2010	204	100	54.96	70.04	24.57	0.013	3.959	91.1	7	13.15
7/23/2010 2:00	20148	2_60	2010	204	200	59.29	68.33	24.58	0.008	2.253	307.6	146	13.16
7/23/2010 3:00	20149	2_60	2010	204	300	65.44	65.99	24.59	0.004	2.389	15.9	203	13.18
7/23/2010 4:00	20150	2_60	2010	204	400	66.06	65.6	24.59	0.01	2.628	149.7	330	13.19
7/23/2010 5:00	20151	2_60	2010	204	500	68.45	64.85	24.6	0.096	2.116	220.4	403	13.2
7/23/2010 6:00	20152	2_60	2010	204	600	70.14	64.72	24.61	30.96	2.15	321.1	545	13.21
7/23/2010 7:00	20153	2_60	2010	204	700	61.94	68.38	24.62	195.7	2.185	240.7	625	13.19
7/23/2010 8:00	20154	2_60	2010	204	800	56.98	72.21	24.62	356.3	2.219	299.1	740	13.14
7/23/2010 9:00	20155	2_60	2010	204	900	49.36	75.14	24.61	550.5	2.662	127.2	853	13.09
7/23/2010 10:00	20156	2_60	2010	204	1000	42.31	78.93	24.6	820	3.482	206.7	948	13.04
7/23/2010 11:00	20157	2_60	2010	204	1100	38.75	81.2	24.6	793.2	4.369	350.6	1039	13
7/23/2010 12:00	20158	2_60	2010	204	1200	35.31	82.8	24.58	835	4.574	312.7	1104	12.98
7/23/2010 13:00	20159	2_60	2010	204	1300	30.31	85	24.56	708.1	4.471	298.8	1248	12.96
7/23/2010 14:00	20160	2_60	2010	204	1400	23.66	87.2	24.55	739.5	5.564	307	1359	12.95
7/23/2010 15:00	20161	2_60	2010	204	1500	20.65	88	24.54	453.6	6.656	301.9	1454	12.94
7/23/2010 16:00	20162	2_60	2010	204	1600	20.4	87.5	24.53	486.8	11.54	47.22	1510	12.94
7/23/2010 17:00	20163	2_60	2010	204	1700	21.02	86.8	24.51	152.4	3.584	65.88	1610	12.96
7/23/2010 18:00	20164	2_60	2010	204	1800	22.55	86.5	24.53	145.4	4.198	303.7	1759	12.97
7/23/2010 19:00	20165	2_60	2010	204	1900	26.62	85.7	24.53	155.8	4.267	308.7	1800	12.98
7/23/2010 20:00	20166	2_60	2010	204	2000	35.59	79.3	24.54	11.61	3.106	316.1	1905	13
7/23/2010 21:00	20167	2_60	2010	204	2100	36.37	75.99	24.56	0.008	2.697	178.5	2029	13.05
7/23/2010 22:00	20168	2_60	2010	204	2200	41.46	73.31	24.56	0.019	3.072	276.6	2123	13.09
7/23/2010 23:00	20169	2_60	2010	204	2300	48.38	70.89	24.58	0.026	2.321	211.2	2259	13.12
7/24/2010 0:00	20170	2_60	2010	205	0	46.23	71.78	24.58	0.019	3.652	256.2	2340	13.14
7/24/2010 1:00	20171	2_60	2010	205	100	48.16	70.58	24.59	0.017	3.311	180.6	50	13.15
7/24/2010 2:00	20172	2_60	2010	205	200	52.03	69	24.6	0.02	3.55	272.5	135	13.16
7/24/2010 3:00	20173	2_60	2010	205	300	56	66.79	24.6	0.01	5.154	139.7	258	13.18
7/24/2010 4:00	20174	2_60	2010	205	400	56.49	66.2	24.61	0.008	4.949	136	301	13.19
7/24/2010 5:00	20175	2_60	2010	205	500	66.37	62.51	24.62	0.117	5.359	127.8	410	13.21
7/24/2010 6:00	20176	2_60	2010	205	600	69.57	60.76	24.63	19.74	4.13	300.9	523	13.24
7/24/2010 7:00	20177	2_60	2010	205	700	50.39	69.36	24.63	207.7	1.98	295.1	603	13.22
7/24/2010 8:00	20178	2_60	2010	205	800	40.33	73.38	24.63	416.3	2.321	6.499	739	13.15
7/24/2010 9:00	20179	2_60	2010	205	900	35.95	76.66	24.62	597.3	3.652	300.9	854	13.09
7/24/2010 10:00	20180	2_60	2010	205	1000	32.07	79.33	24.62	736.3	3.345	311.1	920	13.04
7/24/2010 11:00	20181	2_60	2010	205	1100	27.35	83.3	24.6	889	4.028	316.8	1053	13
7/24/2010 12:00	20182	2_60	2010	205	1200	23.05	87.2	24.58	933	4.403	309.1	1138	12.97
7/24/2010 13:00	20183	2_60	2010	205	1300	19.15	91.1	24.55	1015	6.417	322.6	1256	12.94
7/24/2010 14:00	20184	2_60	2010	205	1400	13.96	92.9	24.53	833	5.734	303.4	1311	12.91
7/24/2010 15:00	20185	2_60	2010	205	1500	14.55	91.6	24.54	399.4	18.94	34.77	1454	12.9
7/24/2010 16:00	20186	2_60	2010	205	1600	25.01	83.6	24.53	105.3	17.72	204.9	1559	12.95
7/24/2010 17:00	20187	2_60	2010	205	1700	28.86	81.4	24.54	187.2	18.71	207.5	1600	12.99
7/24/2010 18:00	20188	2_60	2010	205	1800	26.54	82	24.56	103.7	11.23	187.1	1705	12.98
7/24/2010 19:00	20189	2_60	2010	205	1900	27.97	80.7	24.58	34.33	6.895	101.6	1857	13.02
7/24/2010 20:00	20190	2_60	2010	205	2000	29.09	79.37	24.6	14.07	7.612	126.3	1955	13.04
7/24/2010 21:00	20191	2_60	2010	205	2100	32.92	77.1	24.61	0.005	5.427	149.5	2001	13.06
7/24/2010 22:00	20192	2_60	2010	205	2200	37.5	75.7	24.64	0.008	6.793	266.9	2134	13.07
7/24/2010 23:00	20193	2_60	2010	205	2300	43.59	73.51	24.63	0.011	5.495	325.1	2259	13.09

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/25/2010 0:00	20194	2_60	2010	206	0	3.708109	317.6375	10.15454	18.14	23.33	10.47	24.73	21.67	22.26	0.5922893
7/25/2010 1:00	20195	2_60	2010	206	100	2.418281	306.9978	13.18254	15.07	17.56	8.48	16.57	20.74	21.46	0.7155681
7/25/2010 2:00	20196	2_60	2010	206	200	1.089048	126.5917	28.87304	1.217	10.79	1.148	7.4	19.23	20.91	1.685694
7/25/2010 3:00	20197	2_60	2010	206	300	0.9603947	142.6043	46.39918	0.186	5.56	0.383	4.105	18.72	20.85	2.132777
7/25/2010 4:00	20198	2_60	2010	206	400	0.9562405	194.5923	27.29688	0.539	8.5	0.48	7.435	18.17	20.5	2.331917
7/25/2010 5:00	20199	2_60	2010	206	500	1.216452	267.6172	24.85371	0.567	5.077	0.886	4.292	17.97	20.48	2.508782
7/25/2010 6:00	20200	2_60	2010	206	600	1.344845	286.7623	15.43469	-0.335	7.366	0.452	3.216	18.3	19.69	1.386258
7/25/2010 7:00	20201	2_60	2010	206	700	0.7940545	284.5813	20.5998	1.939	8.27	0.981	4.867	19.44	19.53	0.09731354
7/25/2010 8:00	20202	2_60	2010	206	800	0.389063	4.294166	23.7187	2.446	14.53	1.324	10.75	21.18	20.83	-0.3462062
7/25/2010 9:00	20203	2_60	2010	206	900	0.7424002	342.6974	47.19878	5.323	37.73	3.491	36.86	22.62	22.02	-0.5943292
7/25/2010 10:00	20204	2_60	2010	206	1000	1.46366	319.2297	38.48046	25.35	47.27	22.18	46.4	24.52	23.57	-0.9430565
7/25/2010 11:00	20205	2_60	2010	206	1100	2.167398	309.6222	30.17948	11.63	55.66	7.77	57.59	26.53	25.44	-1.086781
7/25/2010 12:00	20206	2_60	2010	206	1200	1.956259	242.0711	58.46949	0.788	60.72	6.035	62.15	28.59	27.28	-1.307769
7/25/2010 13:00	20207	2_60	2010	206	1300	2.743462	323.8661	47.57412	7.837	64.56	2.209	68.78	30.04	28.66	-1.37565
7/25/2010 14:00	20208	2_60	2010	206	1400	2.711743	295.736	29.5611	8.73	59.42	6.232	63.12	31.36	29.84	-1.514547
7/25/2010 15:00	20209	2_60	2010	206	1500	2.229322	264.4887	27.96675	-0.685	57.3	7.004	60.09	32.17	30.9	-1.269273
7/25/2010 16:00	20210	2_60	2010	206	1600	3.560327	321.2997	47.01214	17.79	66.08	11.6	70.64	33.08	31.73	-1.355045
7/25/2010 17:00	20211	2_60	2010	206	1700	6.74415	321.5368	15.27334	38.89	39.68	30.87	46.32	31.56	30.63	-0.9373888
7/25/2010 18:00	20212	2_60	2010	206	1800	5.23758	302.4018	5.947328	24.83	24.43	21.06	25.47	28.74	28.35	-0.3939148
7/25/2010 19:00	20213	2_60	2010	206	1900	1.564892	294.563	35.68513	4.364	13.65	3.333	10.97	28.5	28.34	-0.1512639
7/25/2010 20:00	20214	2_60	2010	206	2000	5.301147	194.7968	34.86918	14.2	35.7	54.3	60.71	28.29	28.35	0.06410342
7/25/2010 21:00	20215	2_60	2010	206	2100	12.73232	185.2524	5.205325	40.24	48.34	146.6	59.04	26.51	26.54	0.03362054
7/25/2010 22:00	20216	2_60	2010	206	2200	15.27911	176.0372	5.630865	67.06	80.6	189.1	94.9	24.28	24.3	0.02619353
7/25/2010 23:00	20217	2_60	2010	206	2300	10.26788	197.5775	28.87943	54	55.06	137.9	85.7	23.94	24.09	0.1453321
7/26/2010 0:00	20218	2_60	2010	207	0	2.631565	235.7969	16.93979	6.349	26.31	13.81	28.71	22.24	23.3	1.061337
7/26/2010 1:00	20219	2_60	2010	207	100	1.32613	302.8867	25.42089	4.659	10.19	3.627	11.69	20.93	21.97	1.040027
7/26/2010 2:00	20220	2_60	2010	207	200	0.4634993	203.705	33.34057	-0.091	4.293	-0.209	2.365	19.21	21.08	1.866588
7/26/2010 3:00	20221	2_60	2010	207	300	0.8346433	123.5488	31.4991	0.364	9.13	0.512	7.253	18.32	20.46	2.135981
7/26/2010 4:00	20222	2_60	2010	207	400	1.168693	116.773	20.02518	0.365	8.24	1.012	7.479	18.14	20.4	2.261326
7/26/2010 5:00	20223	2_60	2010	207	500	1.044588	185.5484	35.51863	-1.64	18.99	0.478	17.96	18.38	19.97	1.598931
7/26/2010 6:00	20224	2_60	2010	207	600	1.195542	65.35979	45.77789	2.195	15.02	1.828	13.87	18.12	19.71	1.590333
7/26/2010 7:00	20225	2_60	2010	207	700	0.6665646	59.52927	49.46878	1.448	13.59	0.42	12.07	19.86	19.56	-0.2950312
7/26/2010 8:00	20226	2_60	2010	207	800	1.355712	69.6507	24.98895	3.809	32.1	2.928	33.02	21.9	21.11	-0.7907497
7/26/2010 9:00	20227	2_60	2010	207	900	1.562816	10.18806	44.60787	5.102	47.83	-1.421	49.79	23.42	22.56	-0.864591
7/26/2010 10:00	20228	2_60	2010	207	1000	1.763298	262.8114	41.67655	9.11	69.28	10.74	70.31	25.24	24.12	-1.128433
7/26/2010 11:00	20229	2_60	2010	207	1100	2.057864	333.843	57.82369	3.617	65.26	-0.545	63.26	26.9	25.71	-1.185165
7/26/2010 12:00	20230	2_60	2010	207	1200	2.308401	333.6406	37.22783	3.498	61.52	-4.74	62.76	28.25	26.96	-1.291934
7/26/2010 13:00	20231	2_60	2010	207	1300	2.015002	12.97351	41.17106	19.34	67.7	10.95	72.06	29.58	28.3	-1.283534
7/26/2010 14:00	20232	2_60	2010	207	1400	2.398141	333.3585	43.08384	11.76	69.72	5.708	71.26	30.75	29.29	-1.45392
7/26/2010 15:00	20233	2_60	2010	207	1500	2.516186	287.7975	55.21371	6.478	63.19	4.139	63.05	31.66	30.18	-1.486925
7/26/2010 16:00	20234	2_60	2010	207	1600	3.486958	287.3745	34.31915	10.11	56.43	15.52	62.05	32.2	30.87	-1.328318
7/26/2010 17:00	20235	2_60	2010	207	1700	6.209169	210.6608	17.77185	21.25	60.58	63.48	74.53	32.09	30.68	-1.407933
7/26/2010 18:00	20236	2_60	2010	207	1800	10.13641	192.3535	7.945066	25.02	60.96	106.1	71.71	28.79	28.18	-0.6093113
7/26/2010 19:00	20237	2_60	2010	207	1900	7.707033	198.9866	10.91848	28.48	52.06	90.5	62	28.29	28.06	-0.2283975
7/26/2010 20:00	20238	2_60	2010	207	2000	6.964233	189.3539	5.927054	32.43	31.84	90.2	36.75	26.99	27.09	0.09331685
7/26/2010 21:00	20239	2_60	2010	207	2100	2.873683	114.4985	40.95649	2.402	29.03	8.06	39.54	25.78	26.09	0.3087713
7/26/2010 22:00	20240	2_60	2010	207	2200	1.201146	130.3344	26.12935	-1.291	9.4	0.71	5.988	24.96	25.8	0.8482287
7/26/2010 23:00	20241	2_60	2010	207	2300	5.909062	169.8353	24.62474	26.3	43.68	69.4	57.8	24.81	25.05	0.232239
7/27/2010 0:00	20242	2_60	2010	208	0	5.377882	111.9797	29.54712	2.256	35.7	12.37	46.52	22.64	22.88	0.2361621
7/27/2010 1:00	20243	2_60	2010	208	100	4.577722	106.7616	11.39947	1.696	25.78	5.845	29.45	21.61	21.54	-0.06946608
7/27/2010 2:00	20244	2_60	2010	208	200	4.320783	120.4099	20.55659	5.308	37.67	17.97	43.02	20.88	20.84	-0.04368702
7/27/2010 3:00	20245	2_60	2010	208	300	2.259995	77.56506	19.77152	-1.124	17.41	-4.448	17.81	19.78	20.32	0.5438194
7/27/2010 4:00	20246	2_60	2010	208	400	2.133382	122.4497	12.64037	-0.296	8.38	2.103	8.63	18.59	19.92	1.333991
7/27/2010 5:00	20247	2_60	2010	208	500	0.7093137	162.0528	31.92294	0.006	2.412	-0.191	0.786	17.59	19.57	1.986027
7/27/2010 6:00	20248	2_60	2010	208	600	1.051191	95.66891	24.65629	4.179	13.03	4.98	12.7	17.69	18.98	1.288133
7/27/2010 7:00	20249	2_60	2010	208	700	1.650144	116.5185	22.17627	0.062	18.67	3.865	18.82	20.28	19.88	-0.4030594
7/27/2010 8:00	20250	2_60	2010	208	800	1.181376	65.91571	44.27951	2.285	32.5	0.525	32.6	21.81	21.05	-0.7616048
7/27/2010 9:00	20251	2_60	2010	208	900	1.617145	357.562	39.03601	22.03	45.2	16.89	44.94	23.48	22.59	-0.8855017
7/27/2010 10:00	20252	2_60	2010	208	1000	1.814265	300.8559	30.43251	6.816	55.39	4.321	54.12	25.07	24.04	-1.032382
7/27/2010 11:00	20253	2_60	2010	208	1100	2.283285	317.3164	30.49846	7.434	57.49	2.216	60.36	27.38	26.11	-1.27573
7/27/2010 12:00	20254	2_60	2010	208	1200	2.333066	318.5729	47.93558	-0.385	59.31	-5.509	60.93	28.97	27.67	-1.306449
7/27/2010 13:00	20255	2_60	2010	208	1300	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 14:00	20256	2_60	2010	208	1400	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 15:00	20257	2_60	2010	208	1500	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 16:00	20258	2_60	2010	208	1600	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 17:00	20259	2_60	2010	208	1700	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 18:00	20260	2_60	2010	208	1800	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT
7/27/2010 19:00	20261	2_60	2010	208	1900	4.743182	122.0757	14.44576	2.166	29.67	14.61	34.16	19.79	19.73	-0.05993217
7/27/2010 20:00	20262	2_60	2010	208	2000	1.625385	99.84053	30.8542	3.976	10.28	2.476	9.38	19.68	20.3	0.6108515
7/27/2010 21:00	20263	2_60	2010	208	2100	1.614988	186.1723	42.7179	2.594	8.9	7.108	12.44	19.52	20.18	0.6560916
7/27/2010 22:00	20264	2_60	2010	208	2200	1.105888	307.5561	39.53379	2.072	7.202	0.697	6.066	18.47	19.37	0.8974369
7/27/2010 23:00	20265	2_60	2010	208	2300	0.8628522	162.548	29.33266	-0.226	0.491	-0.218	0.147	18.45	19.99	1.542657

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/25/2010 0:00	20194	2_60	2010	206	0	48.12	71.43	24.64	0.02	6.554	318.9	2310	13.11
7/25/2010 1:00	20195	2_60	2010	206	100	52.11	69.71	24.63	0.018	5.325	299.2	16	13.13
7/25/2010 2:00	20196	2_60	2010	206	200	59.15	67.15	24.63	0.012	2.867	72.61	144	13.15
7/25/2010 3:00	20197	2_60	2010	206	300	60.3	66.24	24.63	0.003	2.662	192.1	251	13.17
7/25/2010 4:00	20198	2_60	2010	206	400	60.98	65.32	24.64	0.007	2.082	169	325	13.19
7/25/2010 5:00	20199	2_60	2010	206	500	61.33	64.84	24.65	0.064	2.287	257.5	455	13.2
7/25/2010 6:00	20200	2_60	2010	206	600	60.86	65.5	24.66	36.51	2.185	257.6	513	13.21
7/25/2010 7:00	20201	2_60	2010	206	700	58.34	68.88	24.66	163.8	1.809	290.3	621	13.19
7/25/2010 8:00	20202	2_60	2010	206	800	46.42	72.17	24.67	226.7	1.707	6.263	747	13.14
7/25/2010 9:00	20203	2_60	2010	206	900	43.22	74.78	24.66	426	2.116	6.321	843	13.1
7/25/2010 10:00	20204	2_60	2010	206	1000	38.21	77.95	24.65	652.4	4.335	317.7	950	13.05
7/25/2010 11:00	20205	2_60	2010	206	1100	33.09	81.1	24.64	814	6.588	304.7	1052	13.02
7/25/2010 12:00	20206	2_60	2010	206	1200	27.85	84.5	24.61	944	5.359	289.9	1158	12.98
7/25/2010 13:00	20207	2_60	2010	206	1300	23.68	87	24.58	967	6.69	318.5	1230	12.96
7/25/2010 14:00	20208	2_60	2010	206	1400	21.06	89.5	24.55	940	7.236	324.4	1354	12.94
7/25/2010 15:00	20209	2_60	2010	206	1500	18.69	91.3	24.52	852	5.052	241.6	1448	12.92
7/25/2010 16:00	20210	2_60	2010	206	1600	17.89	92.5	24.51	753.1	10.21	13.91	1550	12.9
7/25/2010 17:00	20211	2_60	2010	206	1700	20.56	89.3	24.51	238.7	10.75	303.8	1628	12.91
7/25/2010 18:00	20212	2_60	2010	206	1800	26.55	84.3	24.51	100.6	7.441	307.2	1706	12.95
7/25/2010 19:00	20213	2_60	2010	206	1900	27.5	84.2	24.52	77.2	4.847	294	1800	12.98
7/25/2010 20:00	20214	2_60	2010	206	2000	29.15	83.8	24.53	13.47	12.49	191.2	1957	13
7/25/2010 21:00	20215	2_60	2010	206	2100	34.76	80.1	24.55	0.001	18.64	173.8	2055	13.02
7/25/2010 22:00	20216	2_60	2010	206	2200	41.97	76.04	24.58	0.002	20.75	175.8	2122	13.05
7/25/2010 23:00	20217	2_60	2010	206	2300	43.95	75.48	24.62	0.005	16.9	189.1	2220	13.07
7/26/2010 0:00	20218	2_60	2010	207	0	49.41	72.51	24.62	0.02	6.963	301.7	2306	13.09
7/26/2010 1:00	20219	2_60	2010	207	100	54.19	70.01	24.62	0.03	3.004	163.2	0	13.12
7/26/2010 2:00	20220	2_60	2010	207	200	60.31	67.13	24.62	0.04	1.468	178.5	134	13.15
7/26/2010 3:00	20221	2_60	2010	207	300	63.37	65.59	24.61	0.025	1.877	141.6	210	13.18
7/26/2010 4:00	20222	2_60	2010	207	400	62.81	65.17	24.62	0.015	2.799	145.1	323	13.2
7/26/2010 5:00	20223	2_60	2010	207	500	62.6	65.4	24.63	0.108	4.164	166.7	450	13.21
7/26/2010 6:00	20224	2_60	2010	207	600	61.94	65.52	24.64	28.29	2.901	180.8	505	13.21
7/26/2010 7:00	20225	2_60	2010	207	700	54.07	70.25	24.64	186.7	3.243	87.8	657	13.19
7/26/2010 8:00	20226	2_60	2010	207	800	48.17	73.28	24.65	381.3	2.799	354.3	756	13.13
7/26/2010 9:00	20227	2_60	2010	207	900	44.83	75.8	24.63	575	4.71	343.6	828	13.08
7/26/2010 10:00	20228	2_60	2010	207	1000	41.11	78.74	24.63	746.9	5.086	280	948	13.04
7/26/2010 11:00	20229	2_60	2010	207	1100	36.39	81.6	24.6	790.1	5.461	3.271	1031	13
7/26/2010 12:00	20230	2_60	2010	207	1200	32.66	84.1	24.58	949	5.769	307.2	1108	12.98
7/26/2010 13:00	20231	2_60	2010	207	1300	29.45	86.4	24.55	973	5.461	342.6	1245	12.95
7/26/2010 14:00	20232	2_60	2010	207	1400	26.85	88.6	24.52	960	6.69	326.4	1329	12.93
7/26/2010 15:00	20233	2_60	2010	207	1500	24.1	90.2	24.49	837	8.12	289.8	1415	12.91
7/26/2010 16:00	20234	2_60	2010	207	1600	22.57	90.8	24.47	598.6	7.68	225.4	1557	12.91
7/26/2010 17:00	20235	2_60	2010	207	1700	22.88	90.1	24.48	438.8	15.26	174	1656	12.91
7/26/2010 18:00	20236	2_60	2010	207	1800	30.3	84	24.48	125	13.41	196.2	1715	12.94
7/26/2010 19:00	20237	2_60	2010	207	1900	30.49	83.2	24.5	51.72	11.95	185.2	1858	12.98
7/26/2010 20:00	20238	2_60	2010	207	2000	32.67	80.9	24.52	7.717	10.44	180.2	1906	13.01
7/26/2010 21:00	20239	2_60	2010	207	2100	38.86	78.81	24.55	0.001	8.36	187	2001	13.03
7/26/2010 22:00	20240	2_60	2010	207	2200	42.75	77.3	24.56	0.003	3.345	114.2	2141	13.06
7/26/2010 23:00	20241	2_60	2010	207	2300	43.94	77	24.58	0.008	11.88	195.1	2235	13.07
7/27/2010 0:00	20242	2_60	2010	208	0	57.23	73.12	24.6	0.019	10.48	108.8	2330	13.09
7/27/2010 1:00	20243	2_60	2010	208	100	61.41	71.24	24.6	0.034	8.87	86.4	10	13.11
7/27/2010 2:00	20244	2_60	2010	208	200	62.92	69.91	24.6	0.042	9.22	116	136	13.12
7/27/2010 3:00	20245	2_60	2010	208	300	69.07	68.14	24.61	0.039	3.959	94.3	211	13.13
7/27/2010 4:00	20246	2_60	2010	208	400	73.92	65.81	24.61	0.036	3.721	111.4	344	13.16
7/27/2010 5:00	20247	2_60	2010	208	500	76.13	64.19	24.61	0.071	1.741	160.4	410	13.18
7/27/2010 6:00	20248	2_60	2010	208	600	75.37	64.52	24.61	31.4	3.925	106.8	528	13.2
7/27/2010 7:00	20249	2_60	2010	208	700	63.44	70.11	24.63	193.3	3.516	121.8	626	13.17
7/27/2010 8:00	20250	2_60	2010	208	800	56.73	73.14	24.63	372.9	2.731	96.5	704	13.11
7/27/2010 9:00	20251	2_60	2010	208	900	51.98	76.01	24.62	567.9	4.164	303.6	844	13.05
7/27/2010 10:00	20252	2_60	2010	208	1000	47.6	78.9	24.61	786.3	5.495	321.8	945	13.03
7/27/2010 11:00	20253	2_60	2010	208	1100	38.85	82.7	24.6	855	5.052	313.5	1020	12.99
7/27/2010 12:00	20254	2_60	2010	208	1200	32.48	85.4	24.58	909	5.769	21.73	1137	12.96
7/27/2010 13:00	20255	2_60	2010	208	1300	AT	AT	AT	AT	AT	AT	AT	12.92
7/27/2010 14:00	20256	2_60	2010	208	1400	AT	AT	AT	AT	AT	AT	AT	12.92
7/27/2010 15:00	20257	2_60	2010	208	1500	AT	AT	AT	AT	AT	AT	AT	12.95
7/27/2010 16:00	20258	2_60	2010	208	1600	AT	AT	AT	AT	AT	AT	AT	13.02
7/27/2010 17:00	20259	2_60	2010	208	1700	AT	AT	AT	AT	AT	AT	AT	13.09
7/27/2010 18:00	20260	2_60	2010	208	1800	AT	AT	AT	AT	AT	AT	AT	13.1
7/27/2010 19:00	20261	2_60	2010	208	1900	74.75	67.89	24.6	52.35	8.29	118.6	1812	13.14
7/27/2010 20:00	20262	2_60	2010	208	2000	79.8	67.85	24.6	3.757	3.823	148.6	1912	13.15
7/27/2010 21:00	20263	2_60	2010	208	2100	82.4	67.37	24.62	0.03	3.686	196.4	2051	13.15
7/27/2010 22:00	20264	2_60	2010	208	2200	87.7	65.67	24.62	0.027	2.799	330.8	2107	13.16
7/27/2010 23:00	20265	2_60	2010	208	2300	84.1	65.52	24.62	0.023	1.809	179.3	2204	13.18

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/28/2010 0:00	20266	2_60	2010	209	0	0.7789831	98.50948	26.15307	-0.272	0.386	-0.231	0.15	18.97	20.49	1.518454
7/28/2010 1:00	20267	2_60	2010	209	100	0.5861828	205.9307	35.69883	0.644	3.642	0.447	3.454	19.09	20.51	1.420252
7/28/2010 2:00	20268	2_60	2010	209	200	0.5698493	240.1463	19.87469	-0.747	2.034	-0.218	0.166	19.07	20.53	1.466971
7/28/2010 3:00	20269	2_60	2010	209	300	1.562052	266.7038	26.66517	2.61	8.1	1.293	6.839	18.29	19.03	0.744737
7/28/2010 4:00	20270	2_60	2010	209	400	0.7433943	148.2758	31.32638	-0.243	0.568	-0.207	0.252	17.61	19.4	1.789531
7/28/2010 5:00	20271	2_60	2010	209	500	0.9970288	174.5829	35.26645	-0.676	7.684	-0.704	8.31	17.38	19.6	2.21458
7/28/2010 6:00	20272	2_60	2010	209	600	0.9597369	173.4265	46.26844	-0.099	2.863	0.544	3.6	17.54	19.62	2.08128
7/28/2010 7:00	20273	2_60	2010	209	700	1.323313	286.1337	36.56437	3.473	12.23	2.366	9.67	18.57	19.65	1.079675
7/28/2010 8:00	20274	2_60	2010	209	800	3.116828	306.2373	7.377279	16.71	26.8	12.36	28.03	20.18	19.39	-0.786687
7/28/2010 9:00	20275	2_60	2010	209	900	1.801921	312.2093	18.13043	4.864	30.17	2.307	29.65	21.47	20.72	-0.7466488
7/28/2010 10:00	20276	2_60	2010	209	1000	1.093857	56.32986	43.75531	-3.108	38.07	-3.514	38.74	24.15	23.31	-0.8386567
7/28/2010 11:00	20277	2_60	2010	209	1100	1.827494	69.04377	26.37869	6.917	46.06	3.017	49.65	26.83	25.62	-1.208741
7/28/2010 12:00	20278	2_60	2010	209	1200	2.026549	64.2467	43.63885	-1.101	58.64	-5.307	61.56	29.15	27.88	-1.276035
7/28/2010 13:00	20279	2_60	2010	209	1300	3.608288	210.4032	39.04001	13.75	74.74	31.38	80.8	31.4	29.87	-1.536316
7/28/2010 14:00	20280	2_60	2010	209	1400	3.067326	236.7128	52.77111	-0.581	67.26	10.3	72.81	31.89	30.56	-1.325109
7/28/2010 15:00	20281	2_60	2010	209	1500	3.492514	257.4256	33.73094	13.74	60.75	24.48	62.97	32.29	31.13	-1.167873
7/28/2010 16:00	20282	2_60	2010	209	1600	5.240247	29.5903	22.1372	11.91	51.77	11.71	57.08	31.39	30.25	-1.143141
7/28/2010 17:00	20283	2_60	2010	209	1700	8.843836	142.458	13.18239	5.797	47.57	48.23	68.72	25.15	26.35	1.196911
7/28/2010 18:00	20284	2_60	2010	209	1800	9.662375	198.6062	16.1815	42.53	36.85	134.9	45.14	22.61	24.07	1.464062
7/28/2010 19:00	20285	2_60	2010	209	1900	3.368901	133.787	30.29298	8.08	27.22	17.57	29.78	22.9	23.56	0.652532
7/28/2010 20:00	20286	2_60	2010	209	2000	3.576905	135.1784	12.49559	4.625	17.21	15.53	20.57	22.2	23.32	1.121252
7/28/2010 21:00	20287	2_60	2010	209	2100	1.574025	125.4966	19.02828	-0.723	12.64	1.946	11.67	21.56	22.69	1.129324
7/28/2010 22:00	20288	2_60	2010	209	2200	1.424922	109.9235	29.45767	3.995	20.86	5.563	22.46	21.86	22.95	1.098007
7/28/2010 23:00	20289	2_60	2010	209	2300	3.780478	159.3139	10.46937	7.83	22.4	25.51	32.46	21.74	22.73	0.9932454
7/29/2010 0:00	20290	2_60	2010	210	0	4.401898	149.4508	36.49583	26.13	31.63	52.68	41.91	21.72	22.54	0.8206713
7/29/2010 1:00	20291	2_60	2010	210	100	2.345237	153.2267	33.09147	15.17	29.29	28.3	42.7	21.27	21.87	0.6066909
7/29/2010 2:00	20292	2_60	2010	210	200	3.177925	165.8064	46.05777	21.8	31.39	43.39	46.47	21.12	21.73	0.6060516
7/29/2010 3:00	20293	2_60	2010	210	300	0.882435	59.85593	30.42831	3.625	15.16	2.146	13.91	20.17	21.1	0.928555
7/29/2010 4:00	20294	2_60	2010	210	400	0.7494513	158.1366	54.6744	-0.363	10.62	0.092	9.07	20.05	20.97	0.9256421
7/29/2010 5:00	20295	2_60	2010	210	500	0.8731556	156.2737	17.99042	-0.175	1.453	-0.133	1.393	19.5	20.62	1.112958
7/29/2010 6:00	20296	2_60	2010	210	600	0.6166168	251.606	24.91184	2.114	8.72	1.952	6.885	19.54	20.43	0.8913537
7/29/2010 7:00	20297	2_60	2010	210	700	0.6663121	297.6851	34.27904	1.766	6.765	0.703	4.354	19.69	19.7	0.005061918
7/29/2010 8:00	20298	2_60	2010	210	800	1.186327	315.4542	13.64379	2.32	7.894	0.95	4.109	20.91	20.53	-0.3794782
7/29/2010 9:00	20299	2_60	2010	210	900	1.346552	314.862	26.63365	3.856	24.83	1.825	24.3	21.79	21.2	-0.587562
7/29/2010 10:00	20300	2_60	2010	210	1000	0.7301685	293.3126	50.49969	3.605	33.13	3.796	30.41	22.99	22.37	-0.6170596
7/29/2010 11:00	20301	2_60	2010	210	1100	0.8126847	70.79445	68.66469	5.482	45.63	6.245	45.42	24.64	23.68	-0.964206
7/29/2010 12:00	20302	2_60	2010	210	1200	1.538239	128.4487	45.2094	0.781	53.47	2.415	54.6	26.41	25.16	-1.24818
7/29/2010 13:00	20303	2_60	2010	210	1300	2.238198	357.9629	36.07158	2.452	62.13	-3.185	64.51	27.67	26.6	-1.073412
7/29/2010 14:00	20304	2_60	2010	210	1400	2.242154	325.6613	40.65047	9.61	63.2	3.625	66.16	28.49	27.38	-1.109024
7/29/2010 15:00	20305	2_60	2010	210	1500	1.803115	336.726	60.01128	10.31	46.51	10.59	48.57	29.04	28.18	-0.850899
7/29/2010 16:00	20306	2_60	2010	210	1600	3.858765	253.6219	35.5473	2.352	35.08	13.72	46.94	27.79	27.7	-0.0954138
7/29/2010 17:00	20307	2_60	2010	210	1700	2.285788	178.9563	33.15293	7.001	24	15.57	30.29	28.35	28	-0.351025
7/29/2010 18:00	20308	2_60	2010	210	1800	8.270243	97.88167	50.4116	-0.166	117.5	11.99	136.5	21.52	22.89	1.360571
7/29/2010 19:00	20309	2_60	2010	210	1900	8.838802	299.3042	34.3972	50.09	76.09	63.23	85.6	19.11	NAN	NAN
7/29/2010 20:00	20310	2_60	2010	210	2000	4.13598	135.0579	28.19689	4.49	22.88	20.53	32.33	17.9	19.45	1.557907
7/29/2010 21:00	20311	2_60	2010	210	2100	3.15158	114.8195	36.17977	10.16	30.59	14.94	34.16	19.54	20.33	0.7984076
7/29/2010 22:00	20312	2_60	2010	210	2200	0.9318975	249.5734	32.31478	1.224	12.21	1.512	9.42	18.62	18.93	0.3122466
7/29/2010 23:00	20313	2_60	2010	210	2300	0.6741255	268.3349	38.79113	0.179	3.701	0.241	2.824	18.3	19.02	0.7126765
7/30/2010 0:00	20314	2_60	2010	211	0	1.227432	29.19618	26.40633	1.609	7.122	0.874	5.457	18.26	18.85	0.5907738
7/30/2010 1:00	20315	2_60	2010	211	100	0.888691	109.4003	19.34646	-0.164	1.775	-0.121	1.893	18.2	18.74	0.5445267
7/30/2010 2:00	20316	2_60	2010	211	200	0.5992029	163.7293	12.6025	-0.262	0.134	-0.208	0.252	18.3	19.33	1.035102
7/30/2010 3:00	20317	2_60	2010	211	300	1.011086	151.4434	36.68493	2.544	10.25	3.549	12.72	18.5	19.83	1.331988
7/30/2010 4:00	20318	2_60	2010	211	400	1.001043	301.9363	48.29852	1.704	7.815	1.744	6.243	18.21	19.05	0.8426089
7/30/2010 5:00	20319	2_60	2010	211	500	1.276752	287.7085	33.70005	4.103	9.18	4.347	9.36	17.75	18.94	1.186244
7/30/2010 6:00	20320	2_60	2010	211	600	1.318869	272.7858	23.8596	1.155	4.883	1.452	4.491	17.73	17.7	-0.03137621
7/30/2010 7:00	20321	2_60	2010	211	700	0.6919688	39.64236	33.20623	4.478	14.58	4.249	13.3	18.96	18.7	-0.2658959
7/30/2010 8:00	20322	2_60	2010	211	800	0.5121115	354.2309	41.1087	-6.655	25.14	-8.47	24.87	20.6	20.1	-0.4990708
7/30/2010 9:00	20323	2_60	2010	211	900	0.7728322	34.93056	39.49599	16.49	36.99	14.68	38.61	22.73	21.99	-0.7433369
7/30/2010 10:00	20324	2_60	2010	211	1000	0.9166194	62.45795	50.72409	19.25	47.78	18.69	50.6	24.43	23.45	-0.973178
7/30/2010 11:00	20325	2_60	2010	211	1100	1.015921	20.89479	63.30558	-0.644	56.23	-2.87	56.6	25.81	24.9	-0.9150357
7/30/2010 12:00	20326	2_60	2010	211	1200	1.188576	340.8315	48.77485	-3.345	42.1	-7.297	46.22	27.41	26.48	-0.9344201
7/30/2010 13:00	20327	2_60	2010	211	1300	1.017427	26.86514	51.98153	-7.428	53.87	-10.75	57.11	28.85	27.95	-0.9033096
7/30/2010 14:00	20328	2_60	2010	211	1400	1.977396	302.3553	25.21602	4.092	45.02	2.429	47.53	29.85	28.76	-1.088742
7/30/2010 15:00	20329	2_60	2010	211	1500	3.153347	268.1854	23.43642	3.506	43.13	12.86	48.56	31.01	29.77	-1.245773
7/30/2010 16:00	20330	2_60	2010	211	1600	3.171859	358.88	55.45339	11.32	49.81	7.383	59.37	30.4	29.91	-0.4941535
7/30/2010 17:00	20331	2_60	2010	211	1700	5.982724	167.5004	45.6058	8.67	45.4	36.36	61.35	22.16	24.01	1.851252
7/30/2010 18:00	20332	2_60	2010	211	1800	5.670723	93.1208	35.10921	16.52	49.91	27.55	67.51	21.86	23.03	1.167321
7/30/2010 19:00	20333	2_60	2010	211	1900	3.296101	129.2147	36.82539	-2.22	22.45	3.4	26.44	21.75	22.81	1.063602
7/30/2010 20:00	20334	2_60	2010	211	2000	2.362901	153.1412	19.04439	3.663	19.46	12.78	23.94	21.92	22.86	0.9469176
7/30/2010 21:00	20335	2_60	2010	211	2100	1.510995	181.8823	30.71085	5.425	14.43	13.14	20.21	21.51	22.88	1.3696
7/30/2010 22:00	20336	2_60	2010	211	2200	1.304429	23.64658	32.7039	3.077	14.85	4.637	15.17	20.64	22.33	1.68514
7/30/2010 23:00	20337	2_60	2010	211	2300	0.9796484	210.5667	38.85538	0.128	4.171	1.195	4.283	19.75	21.64	1.891055

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/28/2010 0:00	20266	2_60	2010	209	0	81.6	66.48	24.62	0.043	1.399	122.6	2322	13.18
7/28/2010 1:00	20267	2_60	2010	209	100	82	66.65	24.62	0.033	1.877	206.4	24	13.17
7/28/2010 2:00	20268	2_60	2010	209	200	80.7	66.62	24.64	0.031	1.434	165.9	125	13.17
7/28/2010 3:00	20269	2_60	2010	209	300	86	65.4	24.64	0.034	3.584	296.7	213	13.17
7/28/2010 4:00	20270	2_60	2010	209	400	83.1	64.08	24.64	0.012	1.604	147.8	318	13.19
7/28/2010 5:00	20271	2_60	2010	209	500	79.04	63.82	24.63	0.057	3.243	109.7	435	13.2
7/28/2010 6:00	20272	2_60	2010	209	600	78.25	63.9	24.64	15.58	2.048	64.26	522	13.21
7/28/2010 7:00	20273	2_60	2010	209	700	75.04	66.67	24.67	150.6	4.233	294.3	659	13.21
7/28/2010 8:00	20274	2_60	2010	209	800	72.26	69.52	24.67	389.3	4.881	314.7	715	13.16
7/28/2010 9:00	20275	2_60	2010	209	900	63.95	72.03	24.68	480.1	3.174	312	814	13.11
7/28/2010 10:00	20276	2_60	2010	209	1000	49.4	77.13	24.67	617.9	2.731	89.3	942	13.06
7/28/2010 11:00	20277	2_60	2010	209	1100	43.5	81.7	24.66	854	3.755	75.51	1047	13.02
7/28/2010 12:00	20278	2_60	2010	209	1200	33.53	85.5	24.64	944	6.656	99.2	1158	12.98
7/28/2010 13:00	20279	2_60	2010	209	1300	23.94	89.1	24.62	947	9.66	126.7	1201	12.95
7/28/2010 14:00	20280	2_60	2010	209	1400	22.72	90.1	24.6	701	8.26	230.7	1314	12.93
7/28/2010 15:00	20281	2_60	2010	209	1500	21.38	90.9	24.59	507.7	6.963	266.3	1436	12.92
7/28/2010 16:00	20282	2_60	2010	209	1600	25.2	88.9	24.6	390	9.8	114.3	1550	12.92
7/28/2010 17:00	20283	2_60	2010	209	1700	49.08	77.83	24.61	52.18	13.52	143.5	1608	12.96
7/28/2010 18:00	20284	2_60	2010	209	1800	57.64	73.11	24.63	31.4	14.34	202.4	1728	13.05
7/28/2010 19:00	20285	2_60	2010	209	1900	58.39	73.58	24.64	22.19	6.246	131.1	1819	13.08
7/28/2010 20:00	20286	2_60	2010	209	2000	64.98	72.31	24.65	11.78	5.871	112.7	1950	13.1
7/28/2010 21:00	20287	2_60	2010	209	2100	66.62	71.11	24.67	0.026	3.891	115.2	2002	13.12
7/28/2010 22:00	20288	2_60	2010	209	2200	62.67	71.71	24.69	0.029	3.891	136.9	2159	13.13
7/28/2010 23:00	20289	2_60	2010	209	2300	60.35	71.46	24.7	0.035	8.64	177	2250	13.13
7/29/2010 0:00	20290	2_60	2010	210	0	58.54	71.51	24.7	0.041	8.4	160.8	2346	13.13
7/29/2010 1:00	20291	2_60	2010	210	100	59.49	70.58	24.71	0.032	7.68	191.5	59	13.13
7/29/2010 2:00	20292	2_60	2010	210	200	60.63	70.42	24.71	0.046	8.19	188.1	100	13.13
7/29/2010 3:00	20293	2_60	2010	210	300	68.61	68.7	24.71	0.034	2.901	339.7	212	13.14
7/29/2010 4:00	20294	2_60	2010	210	400	70.07	68.36	24.71	0.038	2.014	177.6	317	13.14
7/29/2010 5:00	20295	2_60	2010	210	500	74.83	67.46	24.71	0.052	1.673	171.7	448	13.15
7/29/2010 6:00	20296	2_60	2010	210	600	74.67	67.43	24.72	17.46	1.741	300.2	555	13.16
7/29/2010 7:00	20297	2_60	2010	210	700	76.42	68.15	24.73	81.7	1.434	309.9	600	13.15
7/29/2010 8:00	20298	2_60	2010	210	800	66.29	70.22	24.73	113.5	1.946	3.964	743	13.14
7/29/2010 9:00	20299	2_60	2010	210	900	59.98	72.51	24.73	323.3	3.174	300	818	13.11
7/29/2010 10:00	20300	2_60	2010	210	1000	53.5	74.88	24.73	374.6	1.98	247.3	916	13.08
7/29/2010 11:00	20301	2_60	2010	210	1100	46.82	78.48	24.71	669.1	2.526	88.1	1025	13.04
7/29/2010 12:00	20302	2_60	2010	210	1200	42.44	80.7	24.68	852	3.755	162.9	1152	13
7/29/2010 13:00	20303	2_60	2010	210	1300	37.65	82.8	24.66	647.6	6.997	323.4	1234	12.97
7/29/2010 14:00	20304	2_60	2010	210	1400	34.32	84.3	24.64	698.7	5.905	335.9	1320	12.96
7/29/2010 15:00	20305	2_60	2010	210	1500	30.93	85.3	24.62	358.8	5.905	279.1	1401	12.95
7/29/2010 16:00	20306	2_60	2010	210	1600	41.58	82.7	24.6	368.4	13.38	181.9	1538	12.96
7/29/2010 17:00	20307	2_60	2010	210	1700	41.56	83.5	24.6	201.9	12.36	170.8	1700	12.98
7/29/2010 18:00	20308	2_60	2010	210	1800	63.18	71.8	24.63	28.25	15.84	173.9	1759	13.04
7/29/2010 19:00	20309	2_60	2010	210	1900	75.07	67.09	24.66	7.425	18.33	166.2	1800	13.13
7/29/2010 20:00	20310	2_60	2010	210	2000	83.2	64.28	24.65	1.567	9.42	128.5	1940	13.18
7/29/2010 21:00	20311	2_60	2010	210	2100	78.77	67.48	24.66	0.017	6.861	119.4	2007	13.18
7/29/2010 22:00	20312	2_60	2010	210	2200	88.4	65.74	24.66	0.01	1.741	251.7	2103	13.18
7/29/2010 23:00	20313	2_60	2010	210	2300	90.8	65.27	24.65	0.008	1.434	295.7	2238	13.18
7/30/2010 0:00	20314	2_60	2010	211	0	89	65.15	24.65	0.006	3.345	291.7	2307	13.18
7/30/2010 1:00	20315	2_60	2010	211	100	90.2	65.08	24.65	0.008	1.843	63.36	24	13.18
7/30/2010 2:00	20316	2_60	2010	211	200	90.7	65.16	24.65	0.009	1.161	140.2	159	13.18
7/30/2010 3:00	20317	2_60	2010	211	300	88.5	65.59	24.65	0.009	2.116	167.6	237	13.18
7/30/2010 4:00	20318	2_60	2010	211	400	90.4	65.09	24.65	0.005	2.355	308.7	357	13.18
7/30/2010 5:00	20319	2_60	2010	211	500	90.2	64.37	24.66	0.036	2.594	302.5	400	13.19
7/30/2010 6:00	20320	2_60	2010	211	600	93.2	64.46	24.66	28.95	2.116	291.1	538	13.19
7/30/2010 7:00	20321	2_60	2010	211	700	83.6	68.4	24.66	182.3	2.082	353.3	625	13.18
7/30/2010 8:00	20322	2_60	2010	211	800	75.91	72.07	24.66	363.4	1.741	1.547	717	13.13
7/30/2010 9:00	20323	2_60	2010	211	900	64.8	75.13	24.65	575.4	2.287	347.4	830	13.08
7/30/2010 10:00	20324	2_60	2010	211	1000	57.18	77.94	24.65	740.2	3.004	10.89	948	13.01
7/30/2010 11:00	20325	2_60	2010	211	1100	53.77	80.3	24.63	869	3.755	19.85	1022	13
7/30/2010 12:00	20326	2_60	2010	211	1200	42.98	83.1	24.61	944	2.935	293.8	1134	12.98
7/30/2010 13:00	20327	2_60	2010	211	1300	36.01	85.4	24.58	972	3.482	348.9	1223	12.96
7/30/2010 14:00	20328	2_60	2010	211	1400	32.78	87.5	24.55	939	5.086	314.2	1353	12.93
7/30/2010 15:00	20329	2_60	2010	211	1500	31.2	89	24.54	866	6.554	290.4	1433	12.92
7/30/2010 16:00	20330	2_60	2010	211	1600	32.35	87.9	24.55	453.3	17.58	70.83	1552	12.91
7/30/2010 17:00	20331	2_60	2010	211	1700	67.83	72.4	24.55	35.69	12.42	85.2	1615	13
7/30/2010 18:00	20332	2_60	2010	211	1800	71.62	71.66	24.58	24.78	10.44	197.5	1703	13.08
7/30/2010 19:00	20333	2_60	2010	211	1900	72.81	71.41	24.56	7.853	6.793	102.7	1848	13.1
7/30/2010 20:00	20334	2_60	2010	211	2000	69.95	71.83	24.58	2.825	5.632	132.6	1954	13.11
7/30/2010 21:00	20335	2_60	2010	211	2100	70.64	71.07	24.58	0.022	4.437	134.9	2000	13.12
7/30/2010 22:00	20336	2_60	2010	211	2200	77.26	69.56	24.58	0.018	4.062	279.7	2146	13.13
7/30/2010 23:00	20337	2_60	2010	211	2300	80.9	67.95	24.58	0.01	2.458	301.6	2200	13.14

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
7/31/2010 0:00	20338	2_60	2010	212	0	1.06672	164.708	28.66409	-0.371	3.908	1.632	5.956	19.9	21.73	1.831832
7/31/2010 1:00	20339	2_60	2010	212	100	1.144831	145.4194	46.18194	1.798	12.31	3.437	14.8	19.75	21.85	2.097324
7/31/2010 2:00	20340	2_60	2010	212	200	1.440798	220.1577	38.30666	0.218	19	4.653	21.27	19.89	21.25	1.361231
7/31/2010 3:00	20341	2_60	2010	212	300	1.086485	121.9221	25.10507	1.547	12.08	2.318	12.6	19.68	21.17	1.487062
7/31/2010 4:00	20342	2_60	2010	212	400	0.8110326	223.6171	33.70025	-0.315	8.84	1.204	9.85	19.43	20.42	0.9909494
7/31/2010 5:00	20343	2_60	2010	212	500	0.5501695	225.8928	32.39412	-0.645	9.12	-0.536	7.871	19.19	20.27	1.083441
7/31/2010 6:00	20344	2_60	2010	212	600	0.5976166	165.5304	29.54145	-0.078	2.487	0.167	3.085	18.54	20.17	1.631928
7/31/2010 7:00	20345	2_60	2010	212	700	0.4665422	215.0883	41.47531	-0.229	1.604	-0.263	1.641	18.54	19.8	1.260519
7/31/2010 8:00	20346	2_60	2010	212	800	0.4349731	52.12901	31.10168	2.39	19.75	3.878	21.08	20.91	20.48	-0.4278353
7/31/2010 9:00	20347	2_60	2010	212	900	1.183228	65.50446	24.09928	-0.681	27.11	-5.172	30.37	23.34	22.52	-0.8188455
7/31/2010 10:00	20348	2_60	2010	212	1000	1.145995	42.36446	46.49684	23.77	42.98	24.77	44.32	25.15	24.25	-0.8995569
7/31/2010 11:00	20349	2_60	2010	212	1100	3.426747	236.963	28.6644	-1.198	59.55	14.92	66.15	26.29	25.31	-0.9753764
7/31/2010 12:00	20350	2_60	2010	212	1200	4.333419	235.563	20.9032	5.66	58.58	30.27	66.38	27.21	26.13	-1.079153
7/31/2010 13:00	20351	2_60	2010	212	1300	4.950992	235.4702	24.72483	17.71	57.51	47.93	64.77	28	26.62	-1.379561
7/31/2010 14:00	20352	2_60	2010	212	1400	4.02121	243.1298	19.98954	1.867	49.31	20.55	57.68	28.83	27.53	-1.292509
7/31/2010 15:00	20353	2_60	2010	212	1500	8.539707	170.94	10.09175	19.09	35.96	74.55	49.28	24.61	25.17	0.5684327
7/31/2010 16:00	20354	2_60	2010	212	1600	4.857571	104.317	23.44802	12.71	31.05	30.32	50.68	23.44	23.89	0.4569411
7/31/2010 17:00	20355	2_60	2010	212	1700	2.688163	316.2727	35.49451	11.35	34.54	6.661	37.15	21.94	21.86	-0.07567657
7/31/2010 18:00	20356	2_60	2010	212	1800	1.162805	151.4822	36.45561	1.494	6.384	1.666	5.905	20.9	20.91	0.008032408
7/31/2010 19:00	20357	2_60	2010	212	1900	1.854169	74.7356	25.20582	7.325	12.5	3.031	10.14	20.8	20.9	0.09958335
7/31/2010 20:00	20358	2_60	2010	212	2000	1.252369	204.1139	31.30397	0.786	6.343	3.092	7.992	20.92	21.38	0.457582
7/31/2010 21:00	20359	2_60	2010	212	2100	1.825366	299.9996	18.72065	3.776	10.52	3.591	9.13	19.8	19.9	0.0969773
7/31/2010 22:00	20360	2_60	2010	212	2200	1.261639	183.4746	24.16636	0.768	5.902	2.159	6.994	18.94	19.38	0.4452072
7/31/2010 23:00	20361	2_60	2010	212	2300	0.5626842	232.1657	23.47496	-0.583	1.495	-0.238	0.135	18.4	18.61	0.2057906
8/1/2010 0:00	20362	2_60	2010	213	0	0.9250378	100.45	12.43592	-0.336	1.168	-0.254	0.52	18.04	18.89	0.848975
8/1/2010 1:00	20363	2_60	2010	213	100	0.9100744	146.2288	22.2746	0.065	8.16	0.431	8.28	17.96	19.36	1.400817
8/1/2010 2:00	20364	2_60	2010	213	200	0.9638931	214.8866	23.98493	1.221	7.743	3.846	10.06	18.11	19.21	1.093326
8/1/2010 3:00	20365	2_60	2010	213	300	1.050907	303.7288	29.40726	1.83	6.983	0.742	5.475	17.99	19.08	1.083101
8/1/2010 4:00	20366	2_60	2010	213	400	0.7240527	244.7108	29.86442	0.358	3.662	0.102	2.476	18.21	18.77	0.5605036
8/1/2010 5:00	20367	2_60	2010	213	500	1.350994	239.6986	35.45639	7.818	21.93	8.74	24.71	18.29	18.57	0.2827843
8/1/2010 6:00	20368	2_60	2010	213	600	0.6184878	268.0946	23.08343	0.063	2.625	0.77	4.535	18.06	18.27	0.2036152
8/1/2010 7:00	20369	2_60	2010	213	700	0.6093916	124.5834	28.31906	-0.261	0.092	-0.23	0.135	18.27	18.15	-0.1202126
8/1/2010 8:00	20370	2_60	2010	213	800	1.869552	70.19566	7.421294	0.412	3.476	0.251	3.765	18.55	18.35	-0.2051195
8/1/2010 9:00	20371	2_60	2010	213	900	1.020609	84.67941	14.92322	0.219	9.97	-0.754	11.92	19.08	18.62	-0.4642225
8/1/2010 10:00	20372	2_60	2010	213	1000	1.113029	20.66494	30.93177	10.05	28.79	5.909	31.04	20.7	20.05	-0.6522412
8/1/2010 11:00	20373	2_60	2010	213	1100	0.640283	271.2904	34.26684	2.212	26.75	1.81	26.5	21.53	20.85	-0.6762056
8/1/2010 12:00	20374	2_60	2010	213	1200	1.268164	107.894	32.54683	2.819	17.99	3.359	20.47	21.27	20.68	-0.5854632
8/1/2010 13:00	20375	2_60	2010	213	1300	0.5419222	108.7029	66.37649	-1.466	41.04	-1.265	42.22	22.37	21.7	-0.6740764
8/1/2010 14:00	20376	2_60	2010	213	1400	7.429439	299.7764	21.37072	34.24	58.2	34.76	65.48	24.02	22.57	-1.45177
8/1/2010 15:00	20377	2_60	2010	213	1500	6.164507	309.9648	9.559255	30.37	41.6	24.7	47.87	23.91	22.64	-1.271384
8/1/2010 16:00	20378	2_60	2010	213	1600	5.344869	114.751	26.22533	-1.345	38.12	15.1	44.6	22.28	21.9	-0.3828909
8/1/2010 17:00	20379	2_60	2010	213	1700	5.818039	127.5739	8.799618	-2.45	43.44	18.51	52.28	20.71	20.51	-0.2022592
8/1/2010 18:00	20380	2_60	2010	213	1800	4.089778	100.3573	6.489125	-2.365	18.65	-2.342	22.27	20.77	20.48	-0.2874514
8/1/2010 19:00	20381	2_60	2010	213	1900	1.571747	121.2991	18.66917	1.007	12.02	4.462	15.24	20.93	21.15	0.2155856
8/1/2010 20:00	20382	2_60	2010	213	2000	1.499983	263.7831	42.14373	-2.249	12.69	3.722	11.46	20.12	20.38	0.2594812
8/1/2010 21:00	20383	2_60	2010	213	2100	0.5255682	222.2879	33.31632	-0.109	3.616	1.636	6.568	19.2	19.58	0.3775233
8/1/2010 22:00	20384	2_60	2010	213	2200	1.091752	169.7029	18.19252	0.256	4.044	3.056	6.826	18.14	19.03	0.8959656
8/1/2010 23:00	20385	2_60	2010	213	2300	1.269304	192.2341	29.65479	2.935	8.66	10.04	13.91	18.26	19.12	0.8540006
8/2/2010 0:00	20386	2_60	2010	214	0	1.019449	287.696	28.64103	0.152	2.315	2.411	5.13	18.41	18.38	-0.02577297
8/2/2010 1:00	20387	2_60	2010	214	100	1.049739	173.4192	15.18041	-0.223	1.285	1.417	4.303	18.43	18.9	0.4682223
8/2/2010 2:00	20388	2_60	2010	214	200	0.7941942	137.702	25.69612	-0.211	0.659	-0.161	1.973	18.44	18.93	0.4839877
8/2/2010 3:00	20389	2_60	2010	214	300	0.4621963	155.0072	25.77417	0.111	2.131	1.398	4.733	18.49	18.94	0.4416777
8/2/2010 4:00	20390	2_60	2010	214	400	0.4472856	243.0232	15.83757	-0.24	0.493	-0.116	1.112	18.25	18.53	0.2810102
8/2/2010 5:00	20391	2_60	2010	214	500	0.7963828	80.01646	20.92574	0.317	4.607	0.381	5.6	18.44	18.96	0.5218761
8/2/2010 6:00	20392	2_60	2010	214	600	1.484762	289.3156	17.02862	3.682	7.443	3.576	6.361	18.07	18.18	0.1072066
8/2/2010 7:00	20393	2_60	2010	214	700	0.3859593	239.316	21.64734	0.995	5.474	2.117	7.964	18.57	18.1	-0.4771663
8/2/2010 8:00	20394	2_60	2010	214	800	0.335561	50.98029	20.16728	0.819	7.01	0.054	8.43	19.16	18.75	-0.4094494
8/2/2010 9:00	20395	2_60	2010	214	900	0.4811946	108.7586	26.24067	3.453	20.04	4.023	21.42	20.05	19.47	-0.5834535
8/2/2010 10:00	20396	2_60	2010	214	1000	1.304515	71.82175	18.98803	1.4	24.23	-2.275	28.23	21.23	20.53	-0.7009991
8/2/2010 11:00	20397	2_60	2010	214	1100	2.002028	108.3662	22.81082	3.39	35.26	4.841	41.83	22.35	21.49	-0.8669392
8/2/2010 12:00	20398	2_60	2010	214	1200	5.479083	105.7148	8.244534	0.932	30.32	-2.476	39.86	22.09	21.43	-0.6631373
8/2/2010 13:00	20399	2_60	2010	214	1300	4.498394	101.3069	7.539569	-2.324	21.35	-2.562	26.46	19.83	19.47	-0.3617623
8/2/2010 14:00	20400	2_60	2010	214	1400	4.370533	102.8805	8.380444	2.096	23.53	5.035	28.16	18.53	18.18	-0.3523393
8/2/2010 15:00	20401	2_60	2010	214	1500	1.801465	53.20187	49.33723	15.11	30.1	14.81	28.98	19.87	19.19	-0.6815318
8/2/2010 16:00	20402	2_60	2010	214	1600	1.369714	62.90859	29.02921	2.554	28.74	-1.401	30.3	20.76	20.01	-0.7436095
8/2/2010 17:00	20403	2_60	2010	214	1700	2.12272	339.563	20.23929	16.31	24.34	11.44	26.48	21.31	20.7	-0.6183236
8/2/2010 18:00	20404	2_60	2010	214	1800	2.060908	297.5554	12.08106	8.92	15.68	6.772	14.75	21.6	21.29	-0.3087989
8/2/2010 19:00	20405	2_60	2010	214	1900	0.6909744	101.8397	47.57742	-0.011	1.586	-0.042	1.257	21.36	21.2	-0.1638234
8/2/2010 20:00	20406	2_60	2010	214	2000	0.8298969	173.8713	38.58965	0.332	5.26	0.946	5.474	20.35	21.15	0.7932771
8/2/2010 21:00	20407	2_60	2010	214	2100	1.926538	130.4775	35.34239	4.358	10.98	4.992	11.17	19.39	19.87	0.4736044
8/2/2010 22:00	20408	2_60	2010	214	2200	3.857822	189.403	34.582	14.11	19.91	39.81	32.35	18.56	19.4	0.8384808
8/2/2010 23:00	20409	2_60	2010	214	2300	1.571241	83.32365	42.78317	1.467	6.291	1.284	6.787	17.98	18.28	0.3069456

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
7/31/2010 0:00	20338	2_60	2010	212	0	79	68.1	24.57	0.008	2.423	170.5	2351	13.15
7/31/2010 1:00	20339	2_60	2010	212	100	77.22	67.85	24.58	0.014	4.779	136.4	57	13.16
7/31/2010 2:00	20340	2_60	2010	212	200	74.96	68.21	24.58	0.028	4.71	139.9	100	13.16
7/31/2010 3:00	20341	2_60	2010	212	300	77.27	67.77	24.58	0.037	2.731	130.8	244	13.17
7/31/2010 4:00	20342	2_60	2010	212	400	78.43	67.36	24.58	0.027	2.492	257.2	352	13.17
7/31/2010 5:00	20343	2_60	2010	212	500	81.7	66.94	24.58	0.034	2.185	33.63	429	13.16
7/31/2010 6:00	20344	2_60	2010	212	600	82.2	65.77	24.59	10.67	1.468	180.7	503	13.17
7/31/2010 7:00	20345	2_60	2010	212	700	84.9	65.85	24.6	34.15	1.399	170.4	623	13.18
7/31/2010 8:00	20346	2_60	2010	212	800	67.53	72.15	24.6	354.1	1.365	82	728	13.16
7/31/2010 9:00	20347	2_60	2010	212	900	54.29	76.24	24.6	573	3.14	54.48	830	13.09
7/31/2010 10:00	20348	2_60	2010	212	1000	48.99	79.36	24.6	719.9	4.471	231.8	957	13.04
7/31/2010 11:00	20349	2_60	2010	212	1100	43.59	80.4	24.58	731.3	9.01	231	1045	13
7/31/2010 12:00	20350	2_60	2010	212	1200	42.65	81.5	24.56	880	8.4	226.8	1101	12.99
7/31/2010 13:00	20351	2_60	2010	212	1300	41.83	82.8	24.54	977	9.32	225.2	1216	12.98
7/31/2010 14:00	20352	2_60	2010	212	1400	36.26	84.5	24.52	744.9	8.74	267.4	1308	12.96
7/31/2010 15:00	20353	2_60	2010	212	1500	56.09	76.85	24.52	171.7	13.21	160.4	1438	12.99
7/31/2010 16:00	20354	2_60	2010	212	1600	58.99	74.6	24.54	105.4	11.16	153.7	1500	13.05
7/31/2010 17:00	20355	2_60	2010	212	1700	68.28	71.95	24.54	53.27	5.871	318.7	1630	13.08
7/31/2010 18:00	20356	2_60	2010	212	1800	75.86	69.96	24.53	32.24	3.277	2.918	1736	13.1
7/31/2010 19:00	20357	2_60	2010	212	1900	77.07	69.76	24.54	14.81	3.516	64.34	1849	13.11
7/31/2010 20:00	20358	2_60	2010	212	2000	74.33	69.91	24.57	0.905	2.628	211.9	1924	13.12
7/31/2010 21:00	20359	2_60	2010	212	2100	83.9	68.08	24.6	0.012	3.789	302.6	2052	13.13
7/31/2010 22:00	20360	2_60	2010	212	2200	89.6	66.45	24.59	0.011	3.311	272.7	2101	13.15
7/31/2010 23:00	20361	2_60	2010	212	2300	91.9	65.38	24.58	0.008	1.673	276.5	2220	13.17
8/1/2010 0:00	20362	2_60	2010	213	0	90	64.77	24.58	0.004	1.638	112.3	2353	13.18
8/1/2010 1:00	20363	2_60	2010	213	100	88	64.65	24.56	0.004	1.98	198.1	26	13.19
8/1/2010 2:00	20364	2_60	2010	213	200	84.6	64.85	24.55	0.004	2.048	247.6	129	13.2
8/1/2010 3:00	20365	2_60	2010	213	300	85.6	64.74	24.55	0.013	2.56	298.9	249	13.2
8/1/2010 4:00	20366	2_60	2010	213	400	89.6	65.03	24.57	0.019	2.185	298.6	400	13.19
8/1/2010 5:00	20367	2_60	2010	213	500	89.3	65.19	24.57	0.018	4.198	232	409	13.18
8/1/2010 6:00	20368	2_60	2010	213	600	91.8	64.8	24.59	9.1	1.434	310.4	554	13.18
8/1/2010 7:00	20369	2_60	2010	213	700	91.5	65.22	24.59	25.65	1.399	129.5	640	13.18
8/1/2010 8:00	20370	2_60	2010	213	800	91.8	65.75	24.61	59.19	2.594	97.5	757	13.17
8/1/2010 9:00	20371	2_60	2010	213	900	86.7	67.06	24.61	236.2	2.458	91.3	800	13.17
8/1/2010 10:00	20372	2_60	2010	213	1000	77.15	70.48	24.6	422	2.56	328.3	959	13.13
8/1/2010 11:00	20373	2_60	2010	213	1100	72.11	72.17	24.6	260.9	2.253	319.4	1000	13.09
8/1/2010 12:00	20374	2_60	2010	213	1200	76.72	71.17	24.58	309.8	3.55	68.79	1116	13.08
8/1/2010 13:00	20375	2_60	2010	213	1300	69.85	74.25	24.56	902	1.911	20.66	1229	13.08
8/1/2010 14:00	20376	2_60	2010	213	1400	64.25	75.76	24.56	868	14.54	314	1331	13.03
8/1/2010 15:00	20377	2_60	2010	213	1500	58.53	75.44	24.55	673.7	9.83	311.9	1400	13.02
8/1/2010 16:00	20378	2_60	2010	213	1600	67.07	72.74	24.55	118.8	11.23	118.9	1525	13.03
8/1/2010 17:00	20379	2_60	2010	213	1700	71.76	69.64	24.54	59.32	9.18	122.4	1615	13.08
8/1/2010 18:00	20380	2_60	2010	213	1800	74.42	69.75	24.56	130.9	6.485	114.1	1709	13.11
8/1/2010 19:00	20381	2_60	2010	213	1900	78.03	69.94	24.57	14.62	2.799	139	1823	13.12
8/1/2010 20:00	20382	2_60	2010	213	2000	85.4	68.65	24.59	0.708	2.935	275.7	1938	13.13
8/1/2010 21:00	20383	2_60	2010	213	2100	86.8	66.98	24.61	0.008	1.775	202.7	2037	13.15
8/1/2010 22:00	20384	2_60	2010	213	2200	90	64.93	24.6	0.005	2.321	187.8	2115	13.17
8/1/2010 23:00	20385	2_60	2010	213	2300	89.4	65.1	24.62	0.005	2.935	123.8	2209	13.18
8/2/2010 0:00	20386	2_60	2010	214	0	91.8	65.38	24.62	0.009	1.843	333.1	2322	13.18
8/2/2010 1:00	20387	2_60	2010	214	100	89.7	65.38	24.62	0.004	2.048	172.1	32	13.17
8/2/2010 2:00	20388	2_60	2010	214	200	90.9	65.5	24.62	0.007	1.468	181.5	133	13.17
8/2/2010 3:00	20389	2_60	2010	214	300	87.9	65.69	24.62	0.005	1.707	147	215	13.17
8/2/2010 4:00	20390	2_60	2010	214	400	91.3	65.07	24.62	0.007	1.536	153.7	359	13.17
8/2/2010 5:00	20391	2_60	2010	214	500	88.7	65.39	24.64	0.017	2.082	157.9	401	13.17
8/2/2010 6:00	20392	2_60	2010	214	600	90.9	64.96	24.65	18.81	2.492	306.4	549	13.18
8/2/2010 7:00	20393	2_60	2010	214	700	92.1	65.93	24.66	80	1.263	261.8	607	13.17
8/2/2010 8:00	20394	2_60	2010	214	800	86.8	67.51	24.67	141.3	1.365	19.47	727	13.16
8/2/2010 9:00	20395	2_60	2010	214	900	80.4	69.08	24.67	236	1.365	98.3	841	13.13
8/2/2010 10:00	20396	2_60	2010	214	1000	72.32	71.17	24.67	355.9	3.721	91.4	958	13.11
8/2/2010 11:00	20397	2_60	2010	214	1100	68.57	72.84	24.67	403.5	4.233	127.8	1029	13.08
8/2/2010 12:00	20398	2_60	2010	214	1200	70.81	72.03	24.67	195.8	8.43	99.3	1155	13.07
8/2/2010 13:00	20399	2_60	2010	214	1300	84.2	68.13	24.68	120.4	7.031	103.9	1253	13.1
8/2/2010 14:00	20400	2_60	2010	214	1400	88.9	65.71	24.67	122.4	6.656	108.8	1300	13.14
8/2/2010 15:00	20401	2_60	2010	214	1500	80.2	68.77	24.63	457.8	4.949	114.6	1408	13.15
8/2/2010 16:00	20402	2_60	2010	214	1600	73.99	70.16	24.63	319.9	2.97	35.21	1534	13.11
8/2/2010 17:00	20403	2_60	2010	214	1700	71.27	71.09	24.64	252	4.062	304.9	1700	13.09
8/2/2010 18:00	20404	2_60	2010	214	1800	68.61	71.46	24.63	83.9	4.437	287.4	1701	13.09
8/2/2010 19:00	20405	2_60	2010	214	1900	71.96	71.07	24.64	59.08	1.809	157.3	1851	13.1
8/2/2010 20:00	20406	2_60	2010	214	2000	79.84	69	24.66	5.274	1.604	201.1	1902	13.11
8/2/2010 21:00	20407	2_60	2010	214	2100	84.9	67.27	24.69	0.015	4.608	31.79	2034	13.13
8/2/2010 22:00	20408	2_60	2010	214	2200	85.7	65.68	24.68	0.003	7.509	188.9	2142	13.16
8/2/2010 23:00	20409	2_60	2010	214	2300	90.4	64.66	24.66	0.006	3.755	85.4	2257	13.18

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
8/3/2010 0:00	20410	2_60	2010	215	0	1.563816	287.7991	60.98193	0.453	6.608	3.054	7.49	17.81	18.1	0.2930438
8/3/2010 1:00	20411	2_60	2010	215	100	1.946215	138.4252	55.45506	3.691	17.47	6.681	20.36	17.68	17.97	0.2856396
8/3/2010 2:00	20412	2_60	2010	215	200	2.974159	262.2203	10.01631	7.635	17.23	12.83	15.06	17.42	18	0.5861785
8/3/2010 3:00	20413	2_60	2010	215	300	1.111718	193.2083	39.70967	1.471	7.678	2.279	8.05	16.81	18.07	1.262989
8/3/2010 4:00	20414	2_60	2010	215	400	1.347521	288.8129	29.21016	3.154	16.6	2.745	16.56	16.21	17.49	1.279578
8/3/2010 5:00	20415	2_60	2010	215	500	2.622309	137.4464	10.40586	2.443	9.81	10.69	13.7	16.4	17.38	0.9768119
8/3/2010 6:00	20416	2_60	2010	215	600	1.035119	232.7244	21.18804	0.653	7.399	2.932	8.64	16.4	17.21	0.8132531
8/3/2010 7:00	20417	2_60	2010	215	700	0.6740813	235.7821	18.407	-0.133	1.543	0.062	1.316	16.57	17.02	0.4538195
8/3/2010 8:00	20418	2_60	2010	215	800	0.8910158	306.7065	17.74623	2.542	8.88	1.761	7.934	17.46	17.03	-0.4283241
8/3/2010 9:00	20419	2_60	2010	215	900	0.7066425	314.5164	24.35364	13.37	26.88	11.34	24.76	18.54	17.94	-0.5985683
8/3/2010 10:00	20420	2_60	2010	215	1000	0.8862416	39.51403	50.16774	8.84	44.03	6.125	45.13	21.04	20.27	-0.7651494
8/3/2010 11:00	20421	2_60	2010	215	1100	1.136437	352.9987	55.78505	-0.283	47.45	-3.806	50.13	22.9	21.93	-0.967285
8/3/2010 12:00	20422	2_60	2010	215	1200	1.091241	72.86848	62.12784	9.37	50.85	9.45	53.59	24.68	23.64	-1.045456
8/3/2010 13:00	20423	2_60	2010	215	1300	1.395281	37.77383	53.2602	6.295	55.06	5.034	58.79	25.74	24.73	-1.001687
8/3/2010 14:00	20424	2_60	2010	215	1400	2.172293	286.503	31.40379	2.361	47.39	3.238	50.68	27.22	26.04	-1.178737
8/3/2010 15:00	20425	2_60	2010	215	1500	2.119786	310.673	45.98613	5.256	49.74	4.071	54.13	28.15	27.14	-1.018489
8/3/2010 16:00	20426	2_60	2010	215	1600	3.616525	288.6878	20.37805	20.87	37.42	23.13	39.69	27.62	27.03	-0.5934699
8/3/2010 17:00	20427	2_60	2010	215	1700	1.908617	205.7167	17.50304	2.717	24.38	13.49	29.53	27.79	27.19	-0.6013184
8/3/2010 18:00	20428	2_60	2010	215	1800	5.797333	199.2589	6.951637	10.85	27.44	56.97	34.24	26.6	26.45	-0.1563476
8/3/2010 19:00	20429	2_60	2010	215	1900	5.954874	200.9482	6.320557	16.24	26.05	66.88	31.28	26.22	26.44	0.221744
8/3/2010 20:00	20430	2_60	2010	215	2000	6.268394	199.2404	23.71117	16.07	26.68	70.49	34.67	24.94	25.67	0.7261743
8/3/2010 21:00	20431	2_60	2010	215	2100	1.710584	105.1181	26.49192	-6.462	26.08	-6.667	29.15	23.91	24.66	0.7477243
8/3/2010 22:00	20432	2_60	2010	215	2200	3.455898	117.8662	9.054708	0.044	15.64	7.503	20.22	22.82	24.42	1.599584
8/3/2010 23:00	20433	2_60	2010	215	2300	2.690528	144.592	27.30113	26.94	28.99	42.85	36.62	21.38	23.03	1.65857
8/4/2010 0:00	20434	2_60	2010	216	0	1.154268	125.2801	32.38231	4.443	20.88	5.74	22.2	20.24	22.28	2.038506
8/4/2010 1:00	20435	2_60	2010	216	100	2.03468	148.2089	34.57886	-1.165	27.84	4.661	31.02	20.35	21.96	1.617097
8/4/2010 2:00	20436	2_60	2010	216	200	1.796747	244.1039	44.65598	8.02	21.99	7.937	21.01	19.25	21	1.749949
8/4/2010 3:00	20437	2_60	2010	216	300	1.44887	149.4279	40.54958	4.64	14.73	9.56	20.82	18.27	19.68	1.415432
8/4/2010 4:00	20438	2_60	2010	216	400	0.7272663	165.9175	47.06747	0.033	5.655	0.259	4.613	17.7	19.1	1.397422
8/4/2010 5:00	20439	2_60	2010	216	500	0.799285	241.2827	40.88969	-0.785	5.83	-0.188	5.911	16.72	19.32	2.591763
8/4/2010 6:00	20440	2_60	2010	216	600	1.353063	169.1444	37.84998	2.034	12.78	5.218	15.9	17.13	18.61	1.480683
8/4/2010 7:00	20441	2_60	2010	216	700	0.7912911	251.2042	34.03347	-0.629	5.174	0.531	3.409	17.65	18.36	0.7032686
8/4/2010 8:00	20442	2_60	2010	216	800	2.215649	285.6403	14.30144	5.816	17.04	4.865	12.64	18.43	17.98	-0.4554628
8/4/2010 9:00	20443	2_60	2010	216	900	1.579089	307.0549	15.57022	4.148	22.63	0.865	24.26	19.94	19.22	-0.7190296
8/4/2010 10:00	20444	2_60	2010	216	1000	0.8293254	314.3265	27.56101	0.115	33.58	-2.455	35	21.61	20.97	-0.6360693
8/4/2010 11:00	20445	2_60	2010	216	1100	0.7364247	327.2931	49.37564	10.12	45.53	8.42	46.79	24.07	23.26	-0.8173179
8/4/2010 12:00	20446	2_60	2010	216	1200	1.833726	303.0543	52.97395	3.818	55.98	6.147	56.58	26.72	25.74	-0.9859667
8/4/2010 13:00	20447	2_60	2010	216	1300	3.880151	226.7249	40.23486	3.057	50.02	20.39	58.84	28.54	27.27	-1.269241
8/4/2010 14:00	20448	2_60	2010	216	1400	3.37079	265.4336	30.75711	-1.696	46.86	10.79	51.63	29.11	27.99	-1.120735
8/4/2010 15:00	20449	2_60	2010	216	1500	4.029338	243.1043	23.47212	1.196	39.17	21.86	45.62	28.67	28.08	-0.588677
8/4/2010 16:00	20450	2_60	2010	216	1600	9.067834	119.6261	32.70516	21.49	66.96	40.63	85.7	26.08	25.2	-0.8748075
8/4/2010 17:00	20451	2_60	2010	216	1700	6.861784	145.2997	21.31	3.425	47.53	31.41	58.04	19.34	19.8	0.4537769
8/4/2010 18:00	20452	2_60	2010	216	1800	3.649805	157.9623	49.974	4.959	25.19	15.53	31	16.94	17.52	0.5811131
8/4/2010 19:00	20453	2_60	2010	216	1900	5.376744	134.9267	10.82443	3.999	37.04	25.26	44.75	18.25	18.72	0.477479
8/4/2010 20:00	20454	2_60	2010	216	2000	3.50733	122.0166	19.62862	3.957	30.89	15.01	35.64	17.82	18	0.1893502
8/4/2010 21:00	20455	2_60	2010	216	2100	5.194768	133.0812	11.74062	2.029	43.8	20.48	52.2	17.13	17.23	0.09643905
8/4/2010 22:00	20456	2_60	2010	216	2200	1.369195	306.52	39.22485	1.417	11.1	1.366	10.64	16.79	16.99	0.205302
8/4/2010 23:00	20457	2_60	2010	216	2300	2.254012	274.1594	25.61126	13.11	23.99	14.28	21.88	16.78	17.08	0.3074787
8/5/2010 0:00	20458	2_60	2010	217	0	3.7472	271.2869	14.55998	13.47	27.31	25	33.07	16.74	16.99	0.2555297
8/5/2010 1:00	20459	2_60	2010	217	100	4.174322	186.5367	46.81409	8.4	29.72	25.34	37.78	16.29	16.55	0.2610446
8/5/2010 2:00	20460	2_60	2010	217	200	3.767075	118.4451	18.48491	-1.891	30.45	6.843	36.31	16.61	17.22	0.6170599
8/5/2010 3:00	20461	2_60	2010	217	300	2.010508	276.4852	30.48757	8.22	14.2	7.285	13.3	15.56	16.24	0.6797531
8/5/2010 4:00	20462	2_60	2010	217	400	2.285534	277.8831	17.06913	8.34	17.52	9.75	15.55	15.2	16.16	0.9622197
8/5/2010 5:00	20463	2_60	2010	217	500	1.866121	297.6007	38.94926	5.744	11.83	5.243	9.93	15.03	15.31	0.2819132
8/5/2010 6:00	20464	2_60	2010	217	600	1.818953	88.262	31.15103	0.938	9.42	0.18	9.47	15.57	15.77	0.2008755
8/5/2010 7:00	20465	2_60	2010	217	700	3.68346	121.9898	16.39526	8.28	22.92	16.52	30.12	16.26	16.52	0.2545575
8/5/2010 8:00	20466	2_60	2010	217	800	4.23463	112.5291	9.604198	-3.819	24.04	0.2	30.29	17.16	16.97	-0.1900507
8/5/2010 9:00	20467	2_60	2010	217	900	3.728654	77.871	9.904724	5.447	31.23	-2.273	36.93	18.2	17.36	-0.8460904
8/5/2010 10:00	20468	2_60	2010	217	1000	2.122663	125.7077	44.69349	1.33	38.83	4.516	42.29	19.65	18.67	-0.9834068
8/5/2010 11:00	20469	2_60	2010	217	1100	2.185838	338.539	41.45264	9.69	45.56	4.001	48.96	20.77	19.75	-1.018301
8/5/2010 12:00	20470	2_60	2010	217	1200	2.802364	281.7015	31.91738	6.076	50.77	8.76	54.37	21.93	20.97	-0.9629106
8/5/2010 13:00	20471	2_60	2010	217	1300	1.988914	27.55308	57.65831	22.1	51.56	23.04	56.67	23.83	22.75	-1.083808
8/5/2010 14:00	20472	2_60	2010	217	1400	1.607132	357.8408	63.14035	14.07	46.88	12.82	49.78	24.6	23.58	-1.027342
8/5/2010 15:00	20473	2_60	2010	217	1500	2.000605	76.97167	24.01209	7.145	42.83	2.62	48.03	25.57	24.43	-1.135034
8/5/2010 16:00	20474	2_60	2010	217	1600	1.796114	34.42887	43.00748	-3.879	52.29	-8.95	57.76	26.2	25.39	-0.8064743
8/5/2010 17:00	20475	2_60	2010	217	1700	2.056046	70.51176	29.09391	4.081	32.42	-1.253	37.91	26.8	25.9	-0.9054213
8/5/2010 18:00	20476	2_60	2010	217	1800	1.158483	253.1773	18.16081	0.389	13.24	4.229	15.92	26.48	25.95	-0.5241201
8/5/2010 19:00	20477	2_60	2010	217	1900	1.765392	281.971	13.77267	3.189	9.66	6.282	9.78	23.91	25.58	1.665434
8/5/2010 20:00	20478	2_60	2010	217	2000	1.80758	231.3265	18.64135	2.658	7.726	12.51	11.52	20.87	24.2	3.330931
8/5/2010 21:00	20479	2_60	2010	217	2100	0.6720261	244.4457	22.68059	1.037	4.245	2.806	6.236	19.79	23.44	3.651697
8/5/2010 22:00	20480	2_60	2010	217	2200	2.80407	149.6429	17.62334	1.816	13.34	11.9	18.65	19.79	22.6	2.806151
8/5/2010 23:00	20481	2_60	2010	217	2300	2.958181	120.8278	21.48235	2.689	17.65	10.54	23.39	19.54	20.99	1.449885

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/3/2010 0:00	20410	2_60	2010	215	0	90.6	64.35	24.65	0.008	3.106	290.3	2347	13.19
8/3/2010 1:00	20411	2_60	2010	215	100	89.3	64.12	24.65	0.004	6.554	308.8	59	13.19
8/3/2010 2:00	20412	2_60	2010	215	200	90.2	63.63	24.66	0.004	6.827	311	104	13.2
8/3/2010 3:00	20413	2_60	2010	215	300	89.4	62.63	24.66	0.004	2.389	202.3	252	13.2
8/3/2010 4:00	20414	2_60	2010	215	400	89.9	61.48	24.68	0.008	2.867	275.6	332	13.22
8/3/2010 5:00	20415	2_60	2010	215	500	89.5	61.82	24.69	0.025	4.642	132.7	434	13.23
8/3/2010 6:00	20416	2_60	2010	215	600	88.9	62.08	24.71	14.8	2.697	135.2	504	13.23
8/3/2010 7:00	20417	2_60	2010	215	700	92	62.25	24.72	61.58	1.229	157	603	13.23
8/3/2010 8:00	20418	2_60	2010	215	800	86.7	64.58	24.73	166.4	1.638	324.6	722	13.21
8/3/2010 9:00	20419	2_60	2010	215	900	80.6	67.31	24.73	432.7	1.809	297.8	812	13.18
8/3/2010 10:00	20420	2_60	2010	215	1000	68.95	71.86	24.72	735.2	3.311	21.01	948	13.12
8/3/2010 11:00	20421	2_60	2010	215	1100	63.21	75.13	24.71	898	3.209	322.3	1037	13.06
8/3/2010 12:00	20422	2_60	2010	215	1200	56.05	78.2	24.69	957	4.915	61.24	1127	13.02
8/3/2010 13:00	20423	2_60	2010	215	1300	50.58	80	24.67	990	4.301	18.55	1236	12.99
8/3/2010 14:00	20424	2_60	2010	215	1400	40.12	82.7	24.66	945	5.7	298.4	1305	12.96
8/3/2010 15:00	20425	2_60	2010	215	1500	36.71	84.3	24.64	904	8.87	317	1444	12.92
8/3/2010 16:00	20426	2_60	2010	215	1600	41.81	82.8	24.64	370.5	7.339	292.3	1537	12.95
8/3/2010 17:00	20427	2_60	2010	215	1700	39.42	82.7	24.63	319.7	5.086	218.2	1655	12.97
8/3/2010 18:00	20428	2_60	2010	215	1800	48.23	80.2	24.63	206.9	8.02	200.5	1745	12.99
8/3/2010 19:00	20429	2_60	2010	215	1900	48.57	79.62	24.63	120.1	8.16	197	1857	13.01
8/3/2010 20:00	20430	2_60	2010	215	2000	50.2	77.33	24.64	5.965	8.98	203.8	1927	13.03
8/3/2010 21:00	20431	2_60	2010	215	2100	53.34	75.36	24.66	0.004	3.618	115.2	2015	13.06
8/3/2010 22:00	20432	2_60	2010	215	2200	58.77	73.58	24.67	0.011	5.495	116.6	2137	13.09
8/3/2010 23:00	20433	2_60	2010	215	2300	66.94	70.79	24.66	0.016	4.983	145.1	2248	13.11
8/4/2010 0:00	20434	2_60	2010	216	0	70.96	68.89	24.66	0.017	3.482	15.24	2304	13.13
8/4/2010 1:00	20435	2_60	2010	216	100	68.41	68.8	24.65	0.011	4.779	122.5	44	13.15
8/4/2010 2:00	20436	2_60	2010	216	200	73.76	67.15	24.66	0.01	3.891	291.7	119	13.16
8/4/2010 3:00	20437	2_60	2010	216	300	76.98	65.33	24.67	0.005	4.54	129.5	235	13.18
8/4/2010 4:00	20438	2_60	2010	216	400	79.93	64.17	24.68	0.008	2.219	254	317	13.2
8/4/2010 5:00	20439	2_60	2010	216	500	84.2	62.47	24.69	0.015	2.219	120.8	405	13.21
8/4/2010 6:00	20440	2_60	2010	216	600	81.3	63.2	24.7	17.19	4.847	138.8	532	13.22
8/4/2010 7:00	20441	2_60	2010	216	700	81.5	64.39	24.71	80.9	2.423	269.3	657	13.21
8/4/2010 8:00	20442	2_60	2010	216	800	78.65	65.96	24.72	209.3	4.301	301.5	751	13.19
8/4/2010 9:00	20443	2_60	2010	216	900	66.55	69.53	24.72	422.5	3.243	302.8	817	13.15
8/4/2010 10:00	20444	2_60	2010	216	1000	57.19	73.26	24.71	557.4	2.458	330.6	940	13.1
8/4/2010 11:00	20445	2_60	2010	216	1100	50.95	77.78	24.68	873	2.526	346.1	1048	13.05
8/4/2010 12:00	20446	2_60	2010	216	1200	44.12	81.8	24.64	936	6.861	258.2	1144	13
8/4/2010 13:00	20447	2_60	2010	216	1300	35.79	84.1	24.63	997	7.339	253.5	1248	12.97
8/4/2010 14:00	20448	2_60	2010	216	1400	31.06	85.6	24.6	789.7	7.27	247.6	1313	12.95
8/4/2010 15:00	20449	2_60	2010	216	1500	33.9	84.2	24.6	365.3	8.36	237.5	1430	12.95
8/4/2010 16:00	20450	2_60	2010	216	1600	36.6	79.31	24.62	520.9	15.6	159.4	1520	12.97
8/4/2010 17:00	20451	2_60	2010	216	1700	69.26	67.34	24.68	36.13	14.23	109.5	1603	13.04
8/4/2010 18:00	20452	2_60	2010	216	1800	85.1	62.58	24.67	8.2	8.12	177.5	1700	13.12
8/4/2010 19:00	20453	2_60	2010	216	1900	75.71	65.22	24.69	36.12	10.38	130.3	1850	12.58
8/4/2010 20:00	20454	2_60	2010	216	2000	78.25	64.39	24.71	0.912	8.5	130.2	1907	13.16
8/4/2010 21:00	20455	2_60	2010	216	2100	81.2	63.17	24.72	0.006	10.72	116.8	2017	13.21
8/4/2010 22:00	20456	2_60	2010	216	2200	86.1	62.53	24.73	0.01	3.925	304.7	2158	13.21
8/4/2010 23:00	20457	2_60	2010	216	2300	86.3	62.41	24.74	0.008	5.939	299.8	2237	13.21
8/5/2010 0:00	20458	2_60	2010	217	0	87.5	62.32	24.75	0.022	9.25	239.7	2355	13.21
8/5/2010 1:00	20459	2_60	2010	217	100	85.4	61.64	24.68	0.013	7.168	258.4	3	13.22
8/5/2010 2:00	20460	2_60	2010	217	200	77.1	62.24	24.69	0.015	9.18	126.4	121	13.23
8/5/2010 3:00	20461	2_60	2010	217	300	87.6	60.44	24.69	0.012	4.506	338	244	13.23
8/5/2010 4:00	20462	2_60	2010	217	400	87.9	59.61	24.7	0.007	4.779	318.7	305	13.24
8/5/2010 5:00	20463	2_60	2010	217	500	91.2	59.36	24.71	0.029	4.471	306	416	13.25
8/5/2010 6:00	20464	2_60	2010	217	600	90.7	60.28	24.73	9.09	3.959	117.8	551	13.24
8/5/2010 7:00	20465	2_60	2010	217	700	84.3	61.55	24.74	41.4	5.973	102.2	609	13.24
8/5/2010 8:00	20466	2_60	2010	217	800	79.53	63.19	24.74	141	6.519	140.2	704	13.22
8/5/2010 9:00	20467	2_60	2010	217	900	76.6	65.19	24.71	382.6	5.905	82.1	824	13.19
8/5/2010 10:00	20468	2_60	2010	217	1000	64.84	68.31	24.72	586.4	4.745	94.8	909	13.15
8/5/2010 11:00	20469	2_60	2010	217	1100	60.83	70.98	24.72	722.3	5.666	320.2	1036	13.1
8/5/2010 12:00	20470	2_60	2010	217	1200	57.44	72.41	24.7	681.7	6.281	304	1140	13.07
8/5/2010 13:00	20471	2_60	2010	217	1300	45.2	76.06	24.68	947	5.393	349.4	1249	13.04
8/5/2010 14:00	20472	2_60	2010	217	1400	41.9	77.62	24.66	914	4.198	2.107	1308	13.01
8/5/2010 15:00	20473	2_60	2010	217	1500	36.96	78.78	24.64	822	4.745	46.02	1402	12.98
8/5/2010 16:00	20474	2_60	2010	217	1600	32.8	80.3	24.61	668.5	4.676	105.8	1525	12.97
8/5/2010 17:00	20475	2_60	2010	217	1700	32.44	80.8	24.6	459.1	5.12	85.8	1620	12.96
8/5/2010 18:00	20476	2_60	2010	217	1800	31.93	81.8	24.58	267.7	2.594	243.7	1736	12.97
8/5/2010 19:00	20477	2_60	2010	217	1900	49.75	76.36	24.59	94.8	3.891	301.8	1854	12.99
8/5/2010 20:00	20478	2_60	2010	217	2000	60.73	69.91	24.59	2.385	3.379	293.1	1900	13.05
8/5/2010 21:00	20479	2_60	2010	217	2100	64.32	68.09	24.61	0.008	1.911	220.4	2007	13.11
8/5/2010 22:00	20480	2_60	2010	217	2200	64.84	67.93	24.61	0.015	5.666	116.6	2146	13.14
8/5/2010 23:00	20481	2_60	2010	217	2300	65.06	67.66	24.62	0.017	6.554	130.4	2259	13.16

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/6/2010 0:00	20482	2_60	2010	218	0	3.28851	143.2081	30.8043	4.047	14.99	16.61	21.62	18.56	19.89	1.332456
8/6/2010 1:00	20483	2_60	2010	218	100	1.467728	168.9319	24.48177	0.034	15.51	5.142	19.26	17.16	18.81	1.65407
8/6/2010 2:00	20484	2_60	2010	218	200	1.220637	290.3332	49.86631	3.118	10.08	2.86	9.1	16.05	18.06	2.004976
8/6/2010 3:00	20485	2_60	2010	218	300	2.241444	123.5886	25.5447	8.68	16.57	17.93	27.47	16.14	18.11	1.977353
8/6/2010 4:00	20486	2_60	2010	218	400	1.608408	169.5621	36.0142	4.139	14.39	11.85	18.5	15.88	17.66	1.777969
8/6/2010 5:00	20487	2_60	2010	218	500	1.678955	275.9542	20.05625	1.547	10.94	4.919	9.3	15.31	16.37	1.053121
8/6/2010 6:00	20488	2_60	2010	218	600	0.9246978	265.3633	45.32591	0.095	4.406	0.812	3.983	14.74	16.68	1.936975
8/6/2010 7:00	20489	2_60	2010	218	700	0.8867813	286.5242	32.47961	0.709	7.794	-0.042	8.93	17.21	17.36	0.1458056
8/6/2010 8:00	20490	2_60	2010	218	800	0.4022909	160.4556	30.89731	3.863	21.21	4.711	23.03	19.22	18.73	-0.4881435
8/6/2010 9:00	20491	2_60	2010	218	900	0.8427752	8.48923	59.53362	0.296	28.94	-0.975	31.29	21.15	20.49	-0.6592026
8/6/2010 10:00	20492	2_60	2010	218	1000	0.8349556	327.7358	41.1134	3.926	48.28	3.004	52.06	22.83	22.14	-0.6865278
8/6/2010 11:00	20493	2_60	2010	218	1100	1.07659	351.6213	35.11479	4.972	43.3	0.94	46.25	24.56	23.73	-0.828563
8/6/2010 12:00	20494	2_60	2010	218	1200	1.000928	338.347	44.63347	-7.344	48.94	-11.31	50.81	26.58	25.72	-0.8638143
8/6/2010 13:00	20495	2_60	2010	218	1300	1.478707	321.414	42.59377	6.399	51.39	3.993	53.55	28.28	27.32	-0.9608276
8/6/2010 14:00	20496	2_60	2010	218	1400	4.063934	290.2595	22.82074	10.81	44.18	12.25	43.57	28.6	27.86	-0.7378067
8/6/2010 15:00	20497	2_60	2010	218	1500	6.584572	273.4307	43.16714	18.35	55.65	44.5	66.85	22.34	22.25	-0.09279086
8/6/2010 16:00	20498	2_60	2010	218	1600	2.392854	136.9461	17.38317	-5.226	30.95	-0.408	38.38	25.71	24.81	-0.9076182
8/6/2010 17:00	20499	2_60	2010	218	1700	1.860009	78.70863	24.49697	1.805	29.73	-2.892	36.52	27.14	26.28	-0.85905
8/6/2010 18:00	20500	2_60	2010	218	1800	2.121518	133.1659	17.74173	-0.516	14.2	4.576	17.13	26.07	26.45	0.3789482
8/6/2010 19:00	20501	2_60	2010	218	1900	0.8981619	140.3775	29.68079	-2.058	12.22	-1.043	14.46	24.8	25.86	1.065982
8/6/2010 20:00	20502	2_60	2010	218	2000	5.354226	263.5209	16.83559	19.67	36.94	48.98	48.36	23.64	24.53	0.8960524
8/6/2010 21:00	20503	2_60	2010	218	2100	1.459533	281.9443	50.07576	2.516	15.34	3.907	17.32	21.76	23.2	1.447862
8/6/2010 22:00	20504	2_60	2010	218	2200	0.9203466	246.3945	28.30567	2.798	10.98	5.523	14.54	20.35	23.5	3.14739
8/6/2010 23:00	20505	2_60	2010	218	2300	1.439712	278.6957	59.29436	1.507	9.55	4.156	10.5	18.74	22.02	3.281498
8/7/2010 0:00	20506	2_60	2010	219	0	1.076194	86.75712	48.98532	1.167	6.885	1.729	10.14	18.29	21.7	3.40872
8/7/2010 1:00	20507	2_60	2010	219	100	0.7550537	228.2457	39.98999	0.755	4.088	1.565	4.969	17.98	20.78	2.806381
8/7/2010 2:00	20508	2_60	2010	219	200	0.8200759	122.8697	46.47155	1.52	6.946	2.462	10.08	16.93	20.28	3.348628
8/7/2010 3:00	20509	2_60	2010	219	300	1.429611	193.6583	37.21128	5.74	14.92	12.98	19.89	16.95	19.86	2.90225
8/7/2010 4:00	20510	2_60	2010	219	400	1.122324	226.0231	50.12797	0.543	4.582	1.237	5.805	16.24	19.2	2.964161
8/7/2010 5:00	20511	2_60	2010	219	500	1.095109	287.8011	26.70041	-0.246	6.28	0.726	5.312	16.48	18.2	1.716769
8/7/2010 6:00	20512	2_60	2010	219	600	0.6242408	344.0838	63.07162	0.422	7.138	0.944	6.49	15.81	17.65	1.8414
8/7/2010 7:00	20513	2_60	2010	219	700	0.5908449	306.2299	30.26369	-0.423	1.807	-0.023	1.549	16.63	17.12	0.487003
8/7/2010 8:00	20514	2_60	2010	219	800	0.8254573	292.3361	24.15293	4.84	17.46	6.098	18.27	18.96	18.43	-0.5351992
8/7/2010 9:00	20515	2_60	2010	219	900	1.062853	300.4173	19.38865	3.974	22.58	2.759	23.25	19.86	19.27	-0.5855452
8/7/2010 10:00	20516	2_60	2010	219	1000	0.8722166	290.1473	26.51499	11.77	27.2	12.6	28.6	20.75	20.04	-0.7132521
8/7/2010 11:00	20517	2_60	2010	219	1100	1.050761	250.8867	34.41853	6.536	24.86	11.03	26.94	22.35	21.58	-0.7736702
8/7/2010 12:00	20518	2_60	2010	219	1200	3.643828	306.1851	7.740834	17.48	21.39	14.12	23.28	22.14	21.5	-0.6451212
8/7/2010 13:00	20519	2_60	2010	219	1300	3.831453	306.9756	9.247393	22.91	24.14	17.37	27.6	22.13	21.31	-0.8140462
8/7/2010 14:00	20520	2_60	2010	219	1400	1.820634	254.864	41.38805	7.138	21.49	11.74	24.7	22.12	21.94	-0.1785729
8/7/2010 15:00	20521	2_60	2010	219	1500	2.335253	284.5612	21.7349	8.57	22.92	15.07	23.01	22.09	21.69	-0.4064055
8/7/2010 16:00	20522	2_60	2010	219	1600	3.253702	326.5309	36.28103	20.43	30.23	17.28	34.65	23.01	22.31	-0.699118
8/7/2010 17:00	20523	2_60	2010	219	1700	5.578451	299.1909	18.42596	20.69	53.99	45.2	71.9	22.31	22	-0.305912
8/7/2010 18:00	20524	2_60	2010	219	1800	6.067162	249.2288	10.33789	23.39	39.6	59.87	53.46	19.03	19.16	0.1353556
8/7/2010 19:00	20525	2_60	2010	219	1900	1.807333	251.3022	13.65348	0.443	15.08	6.072	18.25	19.4	19.49	0.08878535
8/7/2010 20:00	20526	2_60	2010	219	2000	2.951419	273.3808	13.03179	11.36	18.7	19.36	24.45	18.66	19.14	0.4820412
8/7/2010 21:00	20527	2_60	2010	219	2100	2.060311	164.4325	23.88534	3.061	11.19	5.968	10.38	17.87	18.72	0.8522333
8/7/2010 22:00	20528	2_60	2010	219	2200	1.772248	111.4006	17.61595	0.26	5.892	2.344	8.14	17.48	18.32	0.839894
8/7/2010 23:00	20529	2_60	2010	219	2300	1.087933	241.9776	14.43571	0.965	4.044	1.188	5.274	17.17	17.93	0.7611611
8/8/2010 0:00	20530	2_60	2010	220	0	0.992673	289.8218	12.67369	0.844	3.639	1.311	4.106	17.18	17.84	0.6653716
8/8/2010 1:00	20531	2_60	2010	220	100	0.7589253	55.70382	18.29626	0.141	3.428	0.293	4.107	16.91	17.44	0.5312806
8/8/2010 2:00	20532	2_60	2010	220	200	0.8328255	73.8184	42.39488	0.073	2.455	0.02	1.921	16.61	17.17	0.5694614
8/8/2010 3:00	20533	2_60	2010	220	300	0.6610765	299.0876	52.66326	0.061	5.527	-0.244	5.997	16.47	17.08	0.6040204
8/8/2010 4:00	20534	2_60	2010	220	400	1.010876	65.8188	47.40984	2.675	9.62	1.528	8.71	16.56	17.08	0.5196215
8/8/2010 5:00	20535	2_60	2010	220	500	0.7907237	339.7162	44.42111	-0.432	8.59	-0.938	9.51	16.42	17.01	0.590952
8/8/2010 6:00	20536	2_60	2010	220	600	1.139598	266.8299	44.40804	6.459	20.8	8.07	22.6	15.57	16.77	1.201273
8/8/2010 7:00	20537	2_60	2010	220	700	0.9791669	312.8409	63.77547	1.939	13.82	2.566	15.18	15.91	16.49	0.5800915
8/8/2010 8:00	20538	2_60	2010	220	800	0.7821353	8.403458	31.66599	1.669	24.73	-0.779	25.99	17.7	17.21	-0.4908642
8/8/2010 9:00	20539	2_60	2010	220	900	1.056991	78.62601	36.97156	1.604	33.73	1.688	39.73	19.21	18.43	-0.7810175
8/8/2010 10:00	20540	2_60	2010	220	1000	1.41559	6.570355	44.06971	-2.138	52.07	-8.11	55.5	20.69	19.77	-0.9142824
8/8/2010 11:00	20541	2_60	2010	220	1100	2.10298	348.528	37.69138	7.342	58.81	-0.291	63.39	21.99	20.93	-1.056995
8/8/2010 12:00	20542	2_60	2010	220	1200	1.260225	350.0429	58.61411	3.145	56.69	-0.953	60.29	23.2	22.16	-1.033356
8/8/2010 13:00	20543	2_60	2010	220	1300	1.397867	347.8372	40.24735	3.083	51.67	-0.307	54	24.89	23.71	-1.174539
8/8/2010 14:00	20544	2_60	2010	220	1400	1.499956	283.3167	69.44543	10.94	63.87	10.63	64.7	26.12	24.88	-1.245629
8/8/2010 15:00	20545	2_60	2010	220	1500	2.318413	300.5399	34.63547	10.51	55.03	10.04	58.74	26.94	25.74	-1.20074
8/8/2010 16:00	20546	2_60	2010	220	1600	3.131724	308.7852	24.19675	12.12	38.11	8.97	42.04	27.26	26.26	-1.00508
8/8/2010 17:00	20547	2_60	2010	220	1700	3.73662	291.2239	14.09716	8.55	40.86	10.91	41.23	27.42	26.38	-1.040701
8/8/2010 18:00	20548	2_60	2010	220	1800	3.36073	284.3694	12.15515	2.127	28.18	9.19	27.63	26.8	26.17	-0.6330347
8/8/2010 19:00	20549	2_60	2010	220	1900	4.528057	265.7609	7.868834	10.06	22.54	29.72	23.04	24.52	25.57	1.049239
8/8/2010 20:00	20550	2_60	2010	220	2000	3.597617	278.7622	26.13243	17.8	22.72	37.16	31.35	22.19	23.7	1.508295
8/8/2010 21:00	20551	2_60	2010	220	2100	1.995884	243.7018	35.16875	5.657	28.69	16.75	34.6	21.01	22.8	1.795049
8/8/2010 22:00	20552	2_60	2010	220	2200	0.4942477	211.7465	28.88767	-0.174	3.132	0.157	3.317	19.87	22.6	2.733739
8/8/2010 23:00	20553	2_60	2010	220	2300	0.2538358	247.1027	24.2678	-0.311	0.655	-0.305	0.598	19.13	21.91	2.774491

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/6/2010 0:00	20482	2_60	2010	218	0	68.82	65.94	24.61	0.019	7.031	124.4	2304	13.17
8/6/2010 1:00	20483	2_60	2010	218	100	76.2	63.39	24.61	0.015	4.403	139.3	30	13.2
8/6/2010 2:00	20484	2_60	2010	218	200	82.6	61.28	24.61	0.013	2.697	291.2	118	13.22
8/6/2010 3:00	20485	2_60	2010	218	300	81.3	61.39	24.61	0.014	5.53	124.4	249	13.23
8/6/2010 4:00	20486	2_60	2010	218	400	81.5	61.04	24.61	0.011	5.018	135.4	303	13.24
8/6/2010 5:00	20487	2_60	2010	218	500	83.6	59.93	24.63	0.026	2.901	294.5	428	13.25
8/6/2010 6:00	20488	2_60	2010	218	600	85.7	59.14	24.64	16.46	2.185	289.8	516	13.26
8/6/2010 7:00	20489	2_60	2010	218	700	73.1	64.57	24.65	161.1	2.287	9.33	640	13.24
8/6/2010 8:00	20490	2_60	2010	218	800	56.67	69.26	24.66	353.7	1.536	154.9	723	13.18
8/6/2010 9:00	20491	2_60	2010	218	900	50.08	72.72	24.66	479.2	2.219	51.73	827	13.12
8/6/2010 10:00	20492	2_60	2010	218	1000	46.2	75.85	24.65	730.2	3.584	344.6	958	13.07
8/6/2010 11:00	20493	2_60	2010	218	1100	45.9	78.25	24.64	845	3.379	332.7	1000	13.02
8/6/2010 12:00	20494	2_60	2010	218	1200	39	81.6	24.61	917	2.833	2.903	1128	12.99
8/6/2010 13:00	20495	2_60	2010	218	1300	32.86	84.5	24.59	907	4.608	239	1255	12.96
8/6/2010 14:00	20496	2_60	2010	218	1400	29.56	84.6	24.59	502.9	10.51	308.8	1358	12.93
8/6/2010 15:00	20497	2_60	2010	218	1500	51.6	73.05	24.59	419.7	14.98	276.2	1416	13
8/6/2010 16:00	20498	2_60	2010	218	1600	36.47	78.59	24.56	672.1	5.257	92.9	1544	13.02
8/6/2010 17:00	20499	2_60	2010	218	1700	29.66	81.6	24.56	467.7	5.871	84.8	1604	12.99
8/6/2010 18:00	20500	2_60	2010	218	1800	36.92	79.47	24.55	121.8	3.755	124.6	1729	12.99
8/6/2010 19:00	20501	2_60	2010	218	1900	43.08	77.1	24.54	32.5	3.55	99.7	1823	13.03
8/6/2010 20:00	20502	2_60	2010	218	2000	40.01	75.09	24.57	2.886	13.55	269.6	1907	13.06
8/6/2010 21:00	20503	2_60	2010	218	2100	49.61	71.58	24.58	0.004	3.686	310.9	2032	13.09
8/6/2010 22:00	20504	2_60	2010	218	2200	52.7	69.42	24.58	0.015	2.56	216.5	2157	13.12
8/6/2010 23:00	20505	2_60	2010	218	2300	59.5	66.28	24.59	0.013	3.584	299.8	2221	13.16
8/7/2010 0:00	20506	2_60	2010	219	0	60.56	65.39	24.59	0.002	2.765	91.6	2319	13.19
8/7/2010 1:00	20507	2_60	2010	219	100	61.18	64.94	24.58	0.005	1.809	296	38	13.21
8/7/2010 2:00	20508	2_60	2010	219	200	68.38	62.93	24.58	0.006	2.56	234.8	159	13.22
8/7/2010 3:00	20509	2_60	2010	219	300	67.13	62.93	24.58	0.006	2.901	212.4	231	13.23
8/7/2010 4:00	20510	2_60	2010	219	400	71.18	61.83	24.58	0.006	2.048	229.2	319	13.23
8/7/2010 5:00	20511	2_60	2010	219	500	70.08	61.95	24.59	0.018	2.116	272.2	458	13.24
8/7/2010 6:00	20512	2_60	2010	219	600	76.14	61.09	24.58	12.96	1.775	199.4	550	13.24
8/7/2010 7:00	20513	2_60	2010	219	700	73.9	63.17	24.6	133.3	2.116	258.3	615	13.24
8/7/2010 8:00	20514	2_60	2010	219	800	59.05	68.06	24.6	249.6	2.219	279	745	13.19
8/7/2010 9:00	20515	2_60	2010	219	900	55.97	69.46	24.61	302.2	2.731	300.3	855	13.14
8/7/2010 10:00	20516	2_60	2010	219	1000	50.99	71.05	24.6	420.7	1.946	309.4	934	13.11
8/7/2010 11:00	20517	2_60	2010	219	1100	48.48	73.69	24.59	392	2.321	249.1	1041	13.07
8/7/2010 12:00	20518	2_60	2010	219	1200	53.89	72.71	24.59	269.4	6.042	312.6	1141	13.06
8/7/2010 13:00	20519	2_60	2010	219	1300	55.79	72.44	24.58	359.7	5.393	317.7	1242	13.06
8/7/2010 14:00	20520	2_60	2010	219	1400	56.6	72.46	24.57	145.2	4.267	261.3	1327	13.07
8/7/2010 15:00	20521	2_60	2010	219	1500	56.19	72.71	24.55	281.5	4.54	258.8	1429	13.08
8/7/2010 16:00	20522	2_60	2010	219	1600	48.94	74.05	24.55	417.7	5.803	0.251	1512	13.07
8/7/2010 17:00	20523	2_60	2010	219	1700	51.86	72.84	24.56	149.3	14.57	238.5	1652	13.06
8/7/2010 18:00	20524	2_60	2010	219	1800	69.89	66.74	24.57	109.9	11.81	254.9	1705	13.11
8/7/2010 19:00	20525	2_60	2010	219	1900	69.24	67.4	24.58	56.51	4.198	290	1800	13.13
8/7/2010 20:00	20526	2_60	2010	219	2000	68.53	65.94	24.58	2.136	5.291	256.7	1909	13.15
8/7/2010 21:00	20527	2_60	2010	219	2100	72.42	64.5	24.59	0.015	3.413	292	2001	13.16
8/7/2010 22:00	20528	2_60	2010	219	2200	71.83	63.83	24.59	0.01	2.765	95.8	2101	13.18
8/7/2010 23:00	20529	2_60	2010	219	2300	76.23	63.19	24.58	0.016	2.048	143.6	2202	13.19
8/8/2010 0:00	20530	2_60	2010	220	0	77.99	63.18	24.58	0.016	1.843	290.9	2344	13.19
8/8/2010 1:00	20531	2_60	2010	220	100	79.55	62.79	24.58	0.013	1.946	75.02	50	13.19
8/8/2010 2:00	20532	2_60	2010	220	200	82.9	62.24	24.57	0.017	2.014	64.51	114	13.2
8/8/2010 3:00	20533	2_60	2010	220	300	79.05	61.88	24.58	0.006	1.911	300	211	13.21
8/8/2010 4:00	20534	2_60	2010	220	400	81.6	62.18	24.58	0.011	2.219	69.15	338	13.21
8/8/2010 5:00	20535	2_60	2010	220	500	80.6	61.77	24.59	0.007	1.707	94.4	402	13.21
8/8/2010 6:00	20536	2_60	2010	220	600	83.3	60.24	24.61	7.76	3.618	246.2	528	13.23
8/8/2010 7:00	20537	2_60	2010	220	700	84.4	61.09	24.63	58.93	2.15	263.3	633	13.24
8/8/2010 8:00	20538	2_60	2010	220	800	72.34	65.88	24.64	288.5	2.321	56.68	753	13.21
8/8/2010 9:00	20539	2_60	2010	220	900	67.19	68.06	24.64	514.7	3.413	23.61	855	13.16
8/8/2010 10:00	20540	2_60	2010	220	1000	58.81	71.27	24.63	782.4	4.062	349.2	909	13.1
8/8/2010 11:00	20541	2_60	2010	220	1100	54.69	73.07	24.61	864	4.54	22.65	1014	13.05
8/8/2010 12:00	20542	2_60	2010	220	1200	46.17	75.56	24.6	946	3.618	299.2	1130	13.03
8/8/2010 13:00	20543	2_60	2010	220	1300	34.63	78.19	24.59	972	3.584	278.9	1242	13
8/8/2010 14:00	20544	2_60	2010	220	1400	32.09	80.7	24.57	922	5.359	4.981	1323	12.97
8/8/2010 15:00	20545	2_60	2010	220	1500	27.48	81.9	24.55	838	5.018	306.5	1401	12.95
8/8/2010 16:00	20546	2_60	2010	220	1600	24.66	82.1	24.54	591.8	6.076	296.4	1549	12.95
8/8/2010 17:00	20547	2_60	2010	220	1700	26.12	82.6	24.53	503.9	6.793	297.9	1637	12.95
8/8/2010 18:00	20548	2_60	2010	220	1800	27.34	81.9	24.52	295.6	6.656	274.9	1751	12.96
8/8/2010 19:00	20549	2_60	2010	220	1900	33.19	77.21	24.53	73.8	6.246	261.5	1856	12.99
8/8/2010 20:00	20550	2_60	2010	220	2000	44.31	72.47	24.55	2.409	6.656	250.7	1902	13.05
8/8/2010 21:00	20551	2_60	2010	220	2100	51.57	69.87	24.56	0.002	4.71	259.9	2015	13.1
8/8/2010 22:00	20552	2_60	2010	220	2200	53.41	68.65	24.56	0.01	2.082	239.8	2100	13.13
8/8/2010 23:00	20553	2_60	2010	220	2300	55.63	66.95	24.56	0.019	1.126	275.5	2210	13.17

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/9/2010 0:00	20554	2_60	2010	221	0	1.171513	140.0387	30.46738	-0.181	2.563	0.882	4.146	17.86	21.52	3.656271
8/9/2010 1:00	20555	2_60	2010	221	100	0.6767171	218.1851	21.69524	-0.022	1.951	0.984	4.657	18.94	21.23	2.290323
8/9/2010 2:00	20556	2_60	2010	221	200	0.5066244	227.5059	56.72604	0.246	6.119	0.358	5.051	18.04	20.33	2.284231
8/9/2010 3:00	20557	2_60	2010	221	300	1.078925	260.343	36.34108	1.08	5.015	0.978	4.524	18.17	19.31	1.142684
8/9/2010 4:00	20558	2_60	2010	221	400	1.388228	260.1945	19.11944	-1.143	7.195	1.821	6.605	17.48	18.53	1.055417
8/9/2010 5:00	20559	2_60	2010	221	500	0.4146314	188.3892	37.65514	-1.124	5.356	-0.775	3.766	17.33	18.32	0.9948328
8/9/2010 6:00	20560	2_60	2010	221	600	0.5990945	228.8849	45.52721	0.713	4.795	0.864	4.92	17.09	18.88	1.79791
8/9/2010 7:00	20561	2_60	2010	221	700	0.6277383	233.6583	50.78185	0.766	4.674	0.838	4.59	18.25	19.14	0.8965514
8/9/2010 8:00	20562	2_60	2010	221	800	1.247175	343.8458	28.71252	7.551	24.35	6.258	25.35	20.19	19.75	-0.4407914
8/9/2010 9:00	20563	2_60	2010	221	900	1.257838	337.8061	33.53789	4.213	26.92	0.788	26.69	21.69	21.07	-0.6248669
8/9/2010 10:00	20564	2_60	2010	221	1000	2.39601	276.4459	28.64181	3.721	47.49	9.06	50.44	23.64	22.65	-0.9876961
8/9/2010 11:00	20565	2_60	2010	221	1100	3.693757	288.7065	30.89725	17.38	55.64	19.84	59.31	24.88	23.71	-1.172712
8/9/2010 12:00	20566	2_60	2010	221	1200	4.185166	275.0828	21.4405	14.76	51.44	23.3	56.21	26.25	24.7	-1.549625
8/9/2010 13:00	20567	2_60	2010	221	1300	4.422563	288.2249	31.16041	8.88	56.33	9.17	59.05	26.34	25.16	-1.183436
8/9/2010 14:00	20568	2_60	2010	221	1400	3.995582	286.374	26.68322	9.88	49.08	16.04	54.27	26.75	25.63	-1.121617
8/9/2010 15:00	20569	2_60	2010	221	1500	3.154537	276.9703	44.15127	6.104	47.94	9.98	50.98	27.11	26.09	-1.013857
8/9/2010 16:00	20570	2_60	2010	221	1600	2.957417	266.3747	30.21259	7.428	42.93	11.26	43.84	26.78	26.14	-0.6432654
8/9/2010 17:00	20571	2_60	2010	221	1700	3.390107	257.7304	31.41485	10.72	51.25	21.27	56.58	27.75	26.9	-0.8452064
8/9/2010 18:00	20572	2_60	2010	221	1800	3.436369	254.423	23.98179	0.56	42.54	15.06	46.6	27.23	26.74	-0.4826775
8/9/2010 19:00	20573	2_60	2010	221	1900	3.548357	227.4372	12.54128	6.554	18.44	32.59	23.49	24.28	26	1.719208
8/9/2010 20:00	20574	2_60	2010	221	2000	4.287994	209.2331	5.719291	7.644	10.9	45.76	15.49	21.82	25.35	3.535081
8/9/2010 21:00	20575	2_60	2010	221	2100	3.342096	219.8861	36.94392	11.35	20.75	36.33	31.19	21.64	24.48	2.841012
8/9/2010 22:00	20576	2_60	2010	221	2200	1.82297	248.3445	21.68378	9.85	16.41	17.61	24.92	20.27	22.98	2.711297
8/9/2010 23:00	20577	2_60	2010	221	2300	1.161245	244.2047	29.15224	1.376	10.54	2.719	11.56	18.24	22.4	4.153467
8/10/2010 0:00	20578	2_60	2010	222	0	1.119802	141.4789	43.37652	1.358	7.793	1.829	8.68	17.19	21.49	4.294861
8/10/2010 1:00	20579	2_60	2010	222	100	1.834893	145.4581	21.22249	3.079	13.17	9.6	20.59	17.6	20.44	2.840426
8/10/2010 2:00	20580	2_60	2010	222	200	1.094253	149.7945	44.29072	-0.353	3.246	-0.255	2.37	16.12	18.99	2.868335
8/10/2010 3:00	20581	2_60	2010	222	300	1.591318	268.8246	18.71534	2.065	12.03	5.717	12.35	14.25	17.63	3.382643
8/10/2010 4:00	20582	2_60	2010	222	400	0.881293	266.1595	47.27007	0.062	3.992	-0.139	1.645	14.6	16.44	1.840996
8/10/2010 5:00	20583	2_60	2010	222	500	0.5785342	228.5586	44.41624	1.408	7.932	1.668	8.08	14.14	17.19	3.05337
8/10/2010 6:00	20584	2_60	2010	222	600	0.4940801	210.5095	26.62705	0.497	3.645	-0.079	1.564	13.94	16.55	2.61676
8/10/2010 7:00	20585	2_60	2010	222	700	1.817623	290.613	15.89986	3.939	9.51	2.746	7.391	14.57	15.36	0.7897609
8/10/2010 8:00	20586	2_60	2010	222	800	0.892786	290.8981	31.07741	3.416	19.44	2.969	18.59	16.88	16.23	-0.6487324
8/10/2010 9:00	20587	2_60	2010	222	900	0.6847393	332.6581	54.75549	-0.002	33.03	-0.91	33.67	19.66	19.01	-0.647203
8/10/2010 10:00	20588	2_60	2010	222	1000	0.8749206	339.2587	32.30926	3.071	40.91	0.149	39.95	22.13	21.37	-0.7509049
8/10/2010 11:00	20589	2_60	2010	222	1100	1.133362	308.2074	50.99279	1.976	44.15	2.031	43.95	24.71	23.74	-0.9712819
8/10/2010 12:00	20590	2_60	2010	222	1200	3.383882	216.2024	59.45012	-0.688	64.24	15.2	69.68	27.38	26.2	-1.179463
8/10/2010 13:00	20591	2_60	2010	222	1300	5.080245	199.1135	29.91873	9.03	79.06	38.86	88.2	28.23	26.79	-1.435035
8/10/2010 14:00	20592	2_60	2010	222	1400	4.158373	211.6606	37.86119	0.616	76.32	22.9	85	28.82	27.37	-1.445312
8/10/2010 15:00	20593	2_60	2010	222	1500	5.698054	174.5621	21.42836	-4.355	76.79	23.76	89.9	28.58	27.58	-0.9983077
8/10/2010 16:00	20594	2_60	2010	222	1600	4.255756	202.6175	32.72606	5.75	75.93	25.98	83.7	28.9	28.04	-0.8596542
8/10/2010 17:00	20595	2_60	2010	222	1700	5.445303	239.9509	31.21491	8.21	79.19	37.17	87.7	29.07	28.25	-0.8254519
8/10/2010 18:00	20596	2_60	2010	222	1800	6.099612	253.0252	15.08488	3.588	66.1	34.1	77.69	28.65	28.14	-0.5120504
8/10/2010 19:00	20597	2_60	2010	222	1900	4.120025	232.7273	23.29555	-1.243	60.36	20.49	66.33	27.82	27.85	0.02961578
8/10/2010 20:00	20598	2_60	2010	222	2000	2.916739	234.6272	21.15285	4.9	41.82	19.29	43.65	25.43	27	1.573177
8/10/2010 21:00	20599	2_60	2010	222	2100	3.695636	212.2517	9.136616	4.46	22.12	28.35	25.9	22.79	26.26	3.465198
8/10/2010 22:00	20600	2_60	2010	222	2200	4.174663	199.955	4.458724	12.96	13.58	47.85	18.73	20.99	25.94	4.953841
8/10/2010 23:00	20601	2_60	2010	222	2300	2.230635	124.8128	31.72347	17.81	31.93	25.51	41.79	20.97	22.9	1.924775
8/11/2010 0:00	20602	2_60	2010	223	0	3.800938	91.60585	9.618328	-5.384	27.12	-10.42	30.26	20.1	22.1	1.991467
8/11/2010 1:00	20603	2_60	2010	223	100	3.745981	100.6958	10.75482	-1.191	20.98	-4.635	28.89	18.74	21.11	2.372112
8/11/2010 2:00	20604	2_60	2010	223	200	0.8472167	130.7931	26.19386	1.542	10.5	2.344	10.29	17.29	19.84	2.54933
8/11/2010 3:00	20605	2_60	2010	223	300	0.3975351	254.7419	29.63109	-0.254	1.315	-0.248	0.344	15.72	18.99	3.265504
8/11/2010 4:00	20606	2_60	2010	223	400	0.8676969	229.1826	52.18673	1.158	4.711	0.906	4.467	15.19	18.78	3.590166
8/11/2010 5:00	20607	2_60	2010	223	500	2.221849	274.5081	19.78036	10.12	16.12	8.77	15.07	14.18	16.67	2.490428
8/11/2010 6:00	20608	2_60	2010	223	600	0.8141643	249.1416	27.46592	-0.408	3.071	-0.353	2.444	14.54	16.8	2.265543
8/11/2010 7:00	20609	2_60	2010	223	700	1.209282	92.38592	26.76547	1.702	6.654	0.67	4.792	16.56	17.77	1.206225
8/11/2010 8:00	20610	2_60	2010	223	800	1.244891	311.9974	23.95749	7.711	21.24	5.877	19.13	19.19	18.66	-0.5275789
8/11/2010 9:00	20611	2_60	2010	223	900	0.591758	354.9171	33.9857	2.546	19.42	0.479	16.25	20.49	19.98	-0.5083701
8/11/2010 10:00	20612	2_60	2010	223	1000	0.8415823	92.65077	64.80277	10.35	35.27	10.03	36.79	22.84	21.94	-0.904528
8/11/2010 11:00	20613	2_60	2010	223	1100	7.722993	171.0208	42.70801	29.91	87.6	79.48	109.7	25.14	24.35	-0.7887577
8/11/2010 12:00	20614	2_60	2010	223	1200	9.362718	156.7107	14.0904	22.09	88.7	69.68	105.2	25.12	23.55	-1.568065
8/11/2010 13:00	20615	2_60	2010	223	1300	8.358179	146.593	14.17524	10.56	75.93	47.85	91.1	26.72	25.05	-1.66674
8/11/2010 14:00	20616	2_60	2010	223	1400	4.624478	164.0043	26.42712	12.28	71.89	34.84	80	28.79	27.11	-1.680873
8/11/2010 15:00	20617	2_60	2010	223	1500	4.510543	174.793	36.89735	13.97	66.55	35.88	73.96	29.26	27.83	-1.426704
8/11/2010 16:00	20618	2_60	2010	223	1600	4.417087	191.1153	30.56263	12.66	87.1	37.17	94	29.15	28.18	-0.9693848
8/11/2010 17:00	20619	2_60	2010	223	1700	6.701606	172.4624	22.39691	10.62	77.58	47.04	89.4	27.9	27.49	-0.4095326
8/11/2010 18:00	20620	2_60	2010	223	1800	7.353798	166.9998	14.21859	13.05	66.44	53.44	79.05	25.31	25.27	-0.03612802
8/11/2010 19:00	20621	2_60	2010	223	1900	8.485817	255.5052	23.53987	31.37	77.76	74.37	97.6	18.55	18.88	0.3269441
8/11/2010 20:00	20622	2_60	2010	223	2000	5.500108	130.9926	31.9856	-2.859	37.89	15.74	45.2	15.92	16.14	0.218644
8/11/2010 21:00	20623	2_60	2010	223	2100	4.510385	114.4289	13.31414	-1.41	30.62	9.13	36.89	16.5	17.07	0.5643276
8/11/2010 22:00	20624	2_60	2010	223	2200	3.371396	301.9755	20.51462	15.64	23.96	15.46	24.32	15.51	16.2	0.6860113
8/11/2010 23:00	20625	2_60	2010	223	2300	1.887509	237.6885	26.35879	3.005	20.71	7.074	20.78	14.89	15.53	0.6332242

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/9/2010 0:00	20554	2_60	2010	221	0	63.94	64.66	24.57	0.016	2.389	50.92	2345	13.19
8/9/2010 1:00	20555	2_60	2010	221	100	62.14	66.57	24.56	0.024	1.843	185.1	3	13.19
8/9/2010 2:00	20556	2_60	2010	221	200	68.87	64.94	24.57	0.015	1.365	223.7	104	13.19
8/9/2010 3:00	20557	2_60	2010	221	300	69.21	64.88	24.57	0.024	2.901	310.2	232	13.19
8/9/2010 4:00	20558	2_60	2010	221	400	73.6	63.74	24.58	0.009	3.038	274.5	321	13.19
8/9/2010 5:00	20559	2_60	2010	221	500	72.22	63.59	24.59	0.019	1.707	180.6	410	13.19
8/9/2010 6:00	20560	2_60	2010	221	600	73.12	63.02	24.6	8.47	1.536	256.1	527	13.2
8/9/2010 7:00	20561	2_60	2010	221	700	72.3	65.33	24.62	69.64	3.174	314.2	659	13.2
8/9/2010 8:00	20562	2_60	2010	221	800	59.39	70.24	24.62	357.3	3.311	267.8	710	13.17
8/9/2010 9:00	20563	2_60	2010	221	900	53.57	72.53	24.62	435.9	3.447	38.36	854	13.11
8/9/2010 10:00	20564	2_60	2010	221	1000	42.05	75.82	24.62	707.4	5.871	242.1	932	13.06
8/9/2010 11:00	20565	2_60	2010	221	1100	35.23	78.01	24.62	788.1	8.6	277.2	1029	13.03
8/9/2010 12:00	20566	2_60	2010	221	1200	28.58	80.1	24.6	967	8.23	267.1	1118	13.01
8/9/2010 13:00	20567	2_60	2010	221	1300	26.25	80.2	24.6	687.6	8.91	307.2	1230	12.99
8/9/2010 14:00	20568	2_60	2010	221	1400	24.84	81.1	24.58	676.2	8.98	267.6	1327	12.99
8/9/2010 15:00	20569	2_60	2010	221	1500	23.04	81.9	24.57	617.4	7.1	304.9	1456	12.98
8/9/2010 16:00	20570	2_60	2010	221	1600	22.55	81.1	24.56	313.1	7.168	291.8	1553	12.98
8/9/2010 17:00	20571	2_60	2010	221	1700	17.72	82.9	24.55	529.5	7.441	262.4	1609	12.97
8/9/2010 18:00	20572	2_60	2010	221	1800	18.58	82.1	24.54	280.8	6.997	257.9	1736	12.97
8/9/2010 19:00	20573	2_60	2010	221	1900	27.59	76.59	24.55	61.19	5.12	220.4	1842	13
8/9/2010 20:00	20574	2_60	2010	221	2000	34.47	71.84	24.56	2.421	5.632	215.4	1932	13.06
8/9/2010 21:00	20575	2_60	2010	221	2100	34.69	71.37	24.58	0.002	5.734	217.6	2033	13.1
8/9/2010 22:00	20576	2_60	2010	221	2200	39.31	69.03	24.59	0.01	3.652	235.1	2114	13.14
8/9/2010 23:00	20577	2_60	2010	221	2300	45.9	65.43	24.59	0.01	2.594	232.5	2209	13.17
8/10/2010 0:00	20578	2_60	2010	222	0	49.31	63.29	24.6	0.008	2.765	94.3	2307	13.21
8/10/2010 1:00	20579	2_60	2010	222	100	44.55	64.22	24.6	0.005	5.905	127.4	32	13.23
8/10/2010 2:00	20580	2_60	2010	222	200	51.24	61.55	24.61	0.006	2.355	81.2	149	13.24
8/10/2010 3:00	20581	2_60	2010	222	300	62.8	58.33	24.61	0.012	3.004	259.5	232	13.27
8/10/2010 4:00	20582	2_60	2010	222	400	62.33	58.75	24.62	0.018	2.355	299	311	13.28
8/10/2010 5:00	20583	2_60	2010	222	500	64.32	58	24.63	0.019	1.775	214.4	450	13.29
8/10/2010 6:00	20584	2_60	2010	222	600	66.12	57.52	24.64	13.96	1.195	259.9	505	13.3
8/10/2010 7:00	20585	2_60	2010	222	700	65.08	59.49	24.65	111.9	3.174	304.2	644	13.29
8/10/2010 8:00	20586	2_60	2010	222	800	52.94	64.66	24.66	336.2	2.492	259.9	741	13.24
8/10/2010 9:00	20587	2_60	2010	222	900	39.43	69.99	24.65	550.7	2.219	299.8	800	13.17
8/10/2010 10:00	20588	2_60	2010	222	1000	34.42	74.5	24.65	699.8	2.423	325.2	949	13.1
8/10/2010 11:00	20589	2_60	2010	222	1100	30.63	78.44	24.63	822	3.618	187.8	1053	13.04
8/10/2010 12:00	20590	2_60	2010	222	1200	23.71	82.1	24.62	843	10.1	251.8	1146	12.97
8/10/2010 13:00	20591	2_60	2010	222	1300	22.4	83.1	24.61	992	9.76	176.7	1238	12.98
8/10/2010 14:00	20592	2_60	2010	222	1400	20.11	84.5	24.59	923	9.83	168.1	1330	12.96
8/10/2010 15:00	20593	2_60	2010	222	1500	19.51	83.7	24.59	663.1	10.99	173.9	1405	12.95
8/10/2010 16:00	20594	2_60	2010	222	1600	18.29	84.5	24.58	593.6	11.09	224.5	1504	12.96
8/10/2010 17:00	20595	2_60	2010	222	1700	17.48	84.9	24.58	506.7	12.87	260.1	1634	12.95
8/10/2010 18:00	20596	2_60	2010	222	1800	18.91	84.2	24.58	306.2	10.72	261.4	1712	12.96
8/10/2010 19:00	20597	2_60	2010	222	1900	17.87	82.8	24.58	99.4	8.12	209.4	1814	12.98
8/10/2010 20:00	20598	2_60	2010	222	2000	21.33	78.42	24.59	2.378	5.666	230	1943	13.02
8/10/2010 21:00	20599	2_60	2010	222	2100	26.7	73.76	24.6	0.002	5.769	230.5	2011	13.07
8/10/2010 22:00	20600	2_60	2010	222	2200	31.65	70.39	24.6	0.01	5.564	191.1	2119	13.11
8/10/2010 23:00	20601	2_60	2010	222	2300	31.68	69.95	24.6	0.011	4.813	190.5	2218	13.14
8/11/2010 0:00	20602	2_60	2010	223	0	33.92	68.86	24.6	0.014	6.383	109.7	2323	13.16
8/11/2010 1:00	20603	2_60	2010	223	100	40.17	66.21	24.61	0.019	6.144	88.2	0	13.18
8/11/2010 2:00	20604	2_60	2010	223	200	45.86	63.77	24.6	0.011	2.628	149.5	122	13.2
8/11/2010 3:00	20605	2_60	2010	223	300	52.5	60.96	24.61	0.005	1.229	191.1	218	13.23
8/11/2010 4:00	20606	2_60	2010	223	400	54.46	60.04	24.61	0.008	1.946	255.1	358	13.26
8/11/2010 5:00	20607	2_60	2010	223	500	60.04	58.15	24.63	0.014	5.086	295	415	13.28
8/11/2010 6:00	20608	2_60	2010	223	600	57.42	58.82	24.65	12.2	1.911	254.3	500	13.29
8/11/2010 7:00	20609	2_60	2010	223	700	55.9	63.25	24.65	149.9	3.106	292.9	648	13.27
8/11/2010 8:00	20610	2_60	2010	223	800	41.03	68.46	24.66	308	3.209	299.2	702	13.21
8/11/2010 9:00	20611	2_60	2010	223	900	38.79	70.99	24.64	323.9	1.707	30.85	835	13.15
8/11/2010 10:00	20612	2_60	2010	223	1000	34.92	75.27	24.64	644.7	2.662	40.3	948	13.1
8/11/2010 11:00	20613	2_60	2010	223	1100	34.7	77.67	24.64	508.8	18.12	169.4	1030	13.05
8/11/2010 12:00	20614	2_60	2010	223	1200	37.61	77.21	24.63	999	15.87	170	1155	13.03
8/11/2010 13:00	20615	2_60	2010	223	1300	32.32	80.1	24.62	1082	16.28	148.4	1204	13.01
8/11/2010 14:00	20616	2_60	2010	223	1400	27.45	84.1	24.59	925	10.65	180.2	1356	12.98
8/11/2010 15:00	20617	2_60	2010	223	1500	25.64	85	24.55	805	11.5	192.7	1421	12.96
8/11/2010 16:00	20618	2_60	2010	223	1600	26.53	85	24.54	497.6	10.72	172.5	1552	12.94
8/11/2010 17:00	20619	2_60	2010	223	1700	28.36	82.5	24.54	244.9	12.94	156.9	1657	12.96
8/11/2010 18:00	20620	2_60	2010	223	1800	31.22	77.88	24.56	58.76	12.01	158.7	1744	12.99
8/11/2010 19:00	20621	2_60	2010	223	1900	66.37	66.05	24.63	2.574	26.01	258.7	1819	13.06
8/11/2010 20:00	20622	2_60	2010	223	2000	82	60.96	24.6	6.692	8.98	144.6	1925	13.16
8/11/2010 21:00	20623	2_60	2010	223	2100	75.14	62.09	24.6	0.016	9.11	143.1	2020	13.2
8/11/2010 22:00	20624	2_60	2010	223	2200	85	60.39	24.61	0.014	6.963	300.1	2147	13.22
8/11/2010 23:00	20625	2_60	2010	223	2300	89	59.1	24.6	0.017	4.745	279.4	2214	13.24

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
8/12/2010 0:00	20626	2_60	2010	224	0	0.9019415	77.75378	21.25569	-0.247	0.549	-0.257	0.322	14.45	15.41	0.9637018
8/12/2010 1:00	20627	2_60	2010	224	100	1.01976	105.9509	24.21533	-0.236	0.579	-0.24	0.334	14.21	15.75	1.544553
8/12/2010 2:00	20628	2_60	2010	224	200	0.4581226	218.7624	25.46033	-0.006	2.45	-0.066	2.402	14.44	16.09	1.64929
8/12/2010 3:00	20629	2_60	2010	224	300	0.5414088	173.1531	42.7798	-0.16	1.045	-0.214	0.808	14.41	16.19	1.775808
8/12/2010 4:00	20630	2_60	2010	224	400	0.997944	227.6408	56.20148	0.56	6.376	0.589	4.65	13.99	15.89	1.900227
8/12/2010 5:00	20631	2_60	2010	224	500	0.8565437	276.3663	49.85702	0.172	2.972	0.914	5.181	13.88	15.79	1.903748
8/12/2010 6:00	20632	2_60	2010	224	600	0.7442502	130.7977	16.46558	-0.138	1.349	-0.237	0.503	13.6	15.54	1.938957
8/12/2010 7:00	20633	2_60	2010	224	700	2.001029	291.3922	32.04228	10.06	15.06	7.072	11.68	14.3	15.15	0.8482768
8/12/2010 8:00	20634	2_60	2010	224	800	1.578203	307.0435	30.61066	10.37	16.23	8.06	14.51	16.03	15.51	-0.52044
8/12/2010 9:00	20635	2_60	2010	224	900	0.6793371	307.749	52.45084	6.762	23.06	5.162	21.59	17.74	17.06	-0.6794438
8/12/2010 10:00	20636	2_60	2010	224	1000	1.111151	14.01715	34.60361	-0.247	40.4	-1.553	40.47	21.21	20.37	-0.8320783
8/12/2010 11:00	20637	2_60	2010	224	1100	2.4626	300.0544	59.65339	-2.081	76.82	-0.072	81.2	24.52	23.65	-0.8631525
8/12/2010 12:00	20638	2_60	2010	224	1200	4.093967	218.1282	50.73561	16.14	106.5	37.06	113.7	27.77	26.83	-0.9435287
8/12/2010 13:00	20639	2_60	2010	224	1300	6.160631	242.5876	25.03974	3.122	88.5	33.37	99	28.71	27.55	-1.160512
8/12/2010 14:00	20640	2_60	2010	224	1400	5.351567	231.5938	35.03857	-0.002	96.3	26.17	107.3	28.97	27.98	-0.9870797
8/12/2010 15:00	20641	2_60	2010	224	1500	7.469975	244.1906	20.50232	17.06	89.8	62.89	103.4	29.76	28.71	-1.048627
8/12/2010 16:00	20642	2_60	2010	224	1600	7.518157	259.9966	23.90685	20.45	97.1	53.1	108.8	30.36	29.35	-1.009992
8/12/2010 17:00	20643	2_60	2010	224	1700	6.999804	270.482	17.59472	13.34	81.1	32.73	89.6	30.1	29.38	-0.7210781
8/12/2010 18:00	20644	2_60	2010	224	1800	6.790349	284.6056	13.90993	24.84	65.01	34.25	68.87	29.22	29.03	-0.1880878
8/12/2010 19:00	20645	2_60	2010	224	1900	4.960072	281.5359	11.90058	16.65	42.89	24.48	42.54	27.12	28.26	1.14306
8/12/2010 20:00	20646	2_60	2010	224	2000	3.939455	260.9037	9.875848	8.41	25.82	24.96	26.94	23.04	27.34	4.297455
8/12/2010 21:00	20647	2_60	2010	224	2100	3.872154	209.4265	10.73567	5.796	29.24	32.77	35.13	23.06	27.11	4.057745
8/12/2010 22:00	20648	2_60	2010	224	2200	5.018518	195.7571	9.936109	11.8	37.22	48.04	44.58	23.89	26.64	2.749867
8/12/2010 23:00	20649	2_60	2010	224	2300	3.416996	285.5405	48.74191	16.34	33.66	27.17	41.77	21.03	24.01	2.973438
8/13/2010 0:00	20650	2_60	2010	225	0	2.198981	207.8541	19.74987	7.12	18.83	11.63	23.25	18.33	23.09	4.756355
8/13/2010 1:00	20651	2_60	2010	225	100	1.271751	265.7223	41.2146	2.977	12.99	1.6	11.99	16.64	21.74	5.097739
8/13/2010 2:00	20652	2_60	2010	225	200	1.138765	184.6467	36.7589	0.082	11.26	1.741	12.05	15.91	20.2	4.289794
8/13/2010 3:00	20653	2_60	2010	225	300	1.386609	286.0355	33.56425	1.989	15.96	5.336	16.74	14.55	19.1	4.552
8/13/2010 4:00	20654	2_60	2010	225	400	1.315724	254.4118	37.15446	2.838	8.83	3.283	9.36	13.7	17.77	4.074707
8/13/2010 5:00	20655	2_60	2010	225	500	0.8293836	269.5227	47.83752	1.035	7.198	1.021	6.311	12.84	15.36	2.519779
8/13/2010 6:00	20656	2_60	2010	225	600	1.031225	185.7765	48.35387	-0.691	4.522	-0.489	4.217	11.75	15.41	3.650896
8/13/2010 7:00	20657	2_60	2010	225	700	1.710447	266.9754	28.8024	2.087	14.06	4.021	11.03	13.05	14.59	1.541748
8/13/2010 8:00	20658	2_60	2010	225	800	1.234882	275.1646	30.61344	4.657	15.99	5.013	14.09	15.6	14.93	-0.6715842
8/13/2010 9:00	20659	2_60	2010	225	900	0.8677513	321.4698	37.75001	-3.049	28.51	-3.544	27.45	18.75	18.05	-0.6991805
8/13/2010 10:00	20660	2_60	2010	225	1000	0.7057589	16.72592	39.00414	7.63	38.32	4.869	38.5	21.6	20.85	-0.7491871
8/13/2010 11:00	20661	2_60	2010	225	1100	0.8903941	319.8553	44.50175	-5.989	49.03	-7.287	48.34	23.9	22.99	-0.9150831
8/13/2010 12:00	20662	2_60	2010	225	1200	1.2573	10.1832	71.01169	3.357	50.51	2.439	50.83	26.41	25.3	-1.114321
8/13/2010 13:00	20663	2_60	2010	225	1300	2.122205	206.298	56.33837	-2.606	56.06	7.115	58.93	28.97	27.66	-1.315488
8/13/2010 14:00	20664	2_60	2010	225	1400	3.286241	228.7745	48.90496	6.379	74	21.81	75.69	30.01	28.63	-1.383681
8/13/2010 15:00	20665	2_60	2010	225	1500	3.319378	182.4759	44.21706	-5.091	81	9	83.4	30.4	29.22	-1.179031
8/13/2010 16:00	20666	2_60	2010	225	1600	3.224573	225.7355	44.49436	-2.881	62.41	11.56	66.04	30.63	29.52	-1.106545
8/13/2010 17:00	20667	2_60	2010	225	1700	3.679305	216.1027	45.98927	4.576	64.43	23.95	68.69	30.66	29.81	-0.8536687
8/13/2010 18:00	20668	2_60	2010	225	1800	4.1283	226.4031	23.71119	1.718	61.38	25.11	68.76	30.2	29.69	-0.5046017
8/13/2010 19:00	20669	2_60	2010	225	1900	3.902085	205.473	28.43064	8.8	82.5	30.84	86.8	29.03	29.29	0.2615848
8/13/2010 20:00	20670	2_60	2010	225	2000	4.520969	193.9422	8.367881	11.99	32.57	46.32	40.05	24.43	27.94	3.513317
8/13/2010 21:00	20671	2_60	2010	225	2100	5.676135	198.5058	33.22269	14.26	25.44	63.38	35.79	23.97	27.28	3.308966
8/13/2010 22:00	20672	2_60	2010	225	2200	0.8214472	91.80895	33.09752	5.578	17.99	3.259	15.13	22.17	24.62	2.445939
8/13/2010 23:00	20673	2_60	2010	225	2300	1.30059	242.61	50.90184	2.254	12.08	4.44	12.86	20.38	23.9	3.516151
8/14/2010 0:00	20674	2_60	2010	226	0	1.36934	118.5179	38.99663	1.39	17.41	5.655	21.03	18.13	22.19	4.055395
8/14/2010 1:00	20675	2_60	2010	226	100	3.509564	170.3024	22.47156	4.189	21.04	19.66	27.35	17.64	21.03	3.383548
8/14/2010 2:00	20676	2_60	2010	226	200	0.9154311	249.0186	40.29253	0.999	6.293	1.853	6.253	16.12	19.74	3.621268
8/14/2010 3:00	20677	2_60	2010	226	300	0.7181092	267.1906	36.27743	0.042	4.603	0.091	2.601	14.83	18.36	3.52921
8/14/2010 4:00	20678	2_60	2010	226	400	0.588146	124.1686	30.87964	0.172	4.908	0.158	4.011	13.74	17.91	4.171868
8/14/2010 5:00	20679	2_60	2010	226	500	0.8830831	262.4723	26.97301	0.899	4.366	0.471	3.54	12.3	17.22	4.924984
8/14/2010 6:00	20680	2_60	2010	226	600	0.5381964	268.085	33.0475	0.165	3.901	0.123	2.691	13.09	16.59	3.501974
8/14/2010 7:00	20681	2_60	2010	226	700	1.089393	293.7208	42.58874	4.659	24.08	2.295	22.18	14.69	15.86	1.167991
8/14/2010 8:00	20682	2_60	2010	226	800	1.528687	300.49	10.73072	5.289	16.28	3.246	13.16	16.76	16.29	-0.4762785
8/14/2010 9:00	20683	2_60	2010	226	900	0.8902793	309.1621	27.63149	7.884	32.45	5.658	29.39	19.32	18.57	-0.7455082
8/14/2010 10:00	20684	2_60	2010	226	1000	0.917275	323.856	34.48528	8.15	43.46	5.615	42.37	21.84	20.98	-0.8603619
8/14/2010 11:00	20685	2_60	2010	226	1100	0.9065519	331.1268	48.14207	11.99	48.1	9.72	46.08	24.98	24.02	-0.9567247
8/14/2010 12:00	20686	2_60	2010	226	1200	1.358388	12.87392	47.21925	9.75	52.04	4.989	52.89	28.67	27.73	-0.9458277
8/14/2010 13:00	20687	2_60	2010	226	1300	3.205255	226.263	58.40912	13.63	77.32	24.09	80.3	31.02	29.73	-1.288775
8/14/2010 14:00	20688	2_60	2010	226	1400	4.533862	240.5965	37.15194	4.692	75.88	23.35	79.27	31.81	30.34	-1.465649
8/14/2010 15:00	20689	2_60	2010	226	1500	4.8649	262.0513	40.52501	15.66	59.75	33.6	64.4	32.22	30.88	-1.339075
8/14/2010 16:00	20690	2_60	2010	226	1600	4.639898	274.7806	34.76297	29.46	69.27	39.78	73.49	32.71	31.34	-1.367397
8/14/2010 17:00	20691	2_60	2010	226	1700	6.043986	286.6659	16.38301	24.32	56.12	28.87	57.45	32.1	31.13	-0.9677606
8/14/2010 18:00	20692	2_60	2010	226	1800	4.841318	284.8374	11.82631	17.85	43.37	21.98	44.82	31.08	30.81	-0.2743573
8/14/2010 19:00	20693	2_60	2010	226	1900	3.405624	274.1587	10.89003	-0.85	24.95	10.72	23.27	27.64	30.11	2.468142
8/14/2010 20:00	20694	2_60	2010	226	2000	3.560329	245.6281	31.95053	17.33	18.14	40.72	23.17	23.55	28.75	5.19877
8/14/2010 21:00	20695	2_60	2010	226	2100	0.662669	210.2578	42.68553	0.403	3.976	-0.127	1.956	23.9	27.43	3.532278
8/14/2010 22:00	20696	2_60	2010	226	2200	1.20342	186.0554	29.6231	1.705	7.52	3.603	9.98	22.13	26.77	4.642396
8/14/2010 23:00	20697	2_60	2010	226	2300	0.9728503	289.4468	57.1484	1.396	11.98	1.362	12.42	21.79	25.62	3.825701

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/12/2010 0:00	20626	2_60	2010	224	0	90	58.38	24.59	0.023	1.775	53.34	2321	13.26
8/12/2010 1:00	20627	2_60	2010	224	100	90	57.88	24.58	0.027	1.98	53.64	43	13.27
8/12/2010 2:00	20628	2_60	2010	224	200	85.8	58.5	24.58	0.028	1.877	259.9	152	13.27
8/12/2010 3:00	20629	2_60	2010	224	300	88.2	58.22	24.56	0.032	1.468	172.5	219	13.27
8/12/2010 4:00	20630	2_60	2010	224	400	89.2	57.51	24.56	0.035	2.97	309.7	351	13.28
8/12/2010 5:00	20631	2_60	2010	224	500	88.8	57.51	24.57	0.035	2.697	249	400	13.28
8/12/2010 6:00	20632	2_60	2010	224	600	89.9	56.78	24.57	6.811	2.15	151.6	534	13.29
8/12/2010 7:00	20633	2_60	2010	224	700	89.8	58.51	24.58	131.6	4.13	294.8	624	13.28
8/12/2010 8:00	20634	2_60	2010	224	800	84.5	62.09	24.58	198.1	3.721	332.9	730	13.24
8/12/2010 9:00	20635	2_60	2010	224	900	72.68	65.71	24.57	443.6	2.492	9.18	850	13.2
8/12/2010 10:00	20636	2_60	2010	224	1000	55.7	72.47	24.56	715.2	4.437	326.9	937	13.13
8/12/2010 11:00	20637	2_60	2010	224	1100	46.79	77.2	24.53	846	9.69	226.5	1048	13.07
8/12/2010 12:00	20638	2_60	2010	224	1200	28.03	82.6	24.52	826	10.72	252.3	1104	13.02
8/12/2010 13:00	20639	2_60	2010	224	1300	24.42	84.1	24.51	932	13.72	220.6	1209	12.99
8/12/2010 14:00	20640	2_60	2010	224	1400	23.9	84.6	24.49	683.1	11.43	248.7	1331	12.97
8/12/2010 15:00	20641	2_60	2010	224	1500	21.78	85.8	24.46	725.5	14.27	209.1	1436	12.96
8/12/2010 16:00	20642	2_60	2010	224	1600	16.88	87	24.45	696.3	15.02	273.3	1548	12.95
8/12/2010 17:00	20643	2_60	2010	224	1700	14.34	86.8	24.43	497.1	15.22	230.7	1602	12.95
8/12/2010 18:00	20644	2_60	2010	224	1800	13.4	85.5	24.43	294.5	11.88	242.9	1726	12.96
8/12/2010 19:00	20645	2_60	2010	224	1900	14.99	82.1	24.44	96.2	8.53	290.9	1817	12.98
8/12/2010 20:00	20646	2_60	2010	224	2000	22.23	74.13	24.45	1.873	5.837	267	1935	13.03
8/12/2010 21:00	20647	2_60	2010	224	2100	19.53	74.32	24.46	0.001	7.1	215.8	2021	13.09
8/12/2010 22:00	20648	2_60	2010	224	2200	16.33	75.53	24.46	0.003	8.33	194.1	2159	13.11
8/12/2010 23:00	20649	2_60	2010	224	2300	23.46	70.69	24.49	0.019	8.77	304.2	2245	13.13
8/13/2010 0:00	20650	2_60	2010	225	0	30.19	65.62	24.49	0.021	6.349	297.8	2319	13.17
8/13/2010 1:00	20651	2_60	2010	225	100	34.25	62.73	24.5	0.015	2.389	289.7	44	13.22
8/13/2010 2:00	20652	2_60	2010	225	200	35.78	61.19	24.51	0.007	3.618	136	148	13.26
8/13/2010 3:00	20653	2_60	2010	225	300	40.92	58.69	24.52	0.007	3.072	234.1	207	13.28
8/13/2010 4:00	20654	2_60	2010	225	400	43.26	57.67	24.53	0.011	2.901	316.4	358	13.31
8/13/2010 5:00	20655	2_60	2010	225	500	48.48	55.58	24.54	0.027	2.731	203.8	402	13.33
8/13/2010 6:00	20656	2_60	2010	225	600	52.51	53.97	24.56	10.43	3.106	110.6	512	13.35
8/13/2010 7:00	20657	2_60	2010	225	700	51.47	57.21	24.56	151	3.345	308.1	651	13.34
8/13/2010 8:00	20658	2_60	2010	225	800	42.27	62.3	24.57	351.4	2.492	298.8	704	13.28
8/13/2010 9:00	20659	2_60	2010	225	900	31.19	68.28	24.56	551.5	2.389	301.6	809	13.2
8/13/2010 10:00	20660	2_60	2010	225	1000	27.18	73.12	24.55	727.4	2.628	334.2	954	13.12
8/13/2010 11:00	20661	2_60	2010	225	1100	25.61	77.39	24.54	855	2.662	294.9	1052	13.06
8/13/2010 12:00	20662	2_60	2010	225	1200	24.24	81.2	24.52	928	3.994	276.1	1145	13.02
8/13/2010 13:00	20663	2_60	2010	225	1300	15.65	85.2	24.51	953	7.748	194.6	1246	12.98
8/13/2010 14:00	20664	2_60	2010	225	1400	12.35	86.9	24.49	918	9.01	181.6	1330	12.95
8/13/2010 15:00	20665	2_60	2010	225	1500	12.94	87.5	24.47	818	9.08	220.1	1458	12.93
8/13/2010 16:00	20666	2_60	2010	225	1600	13.21	87.9	24.46	671.5	10.75	269.1	1531	12.93
8/13/2010 17:00	20667	2_60	2010	225	1700	13.37	87.9	24.45	488.8	8.57	208	1624	12.92
8/13/2010 18:00	20668	2_60	2010	225	1800	13.03	87.1	24.45	287.1	9.86	243.5	1707	12.93
8/13/2010 19:00	20669	2_60	2010	225	1900	11.73	84.9	24.46	92.3	9.18	237.5	1843	12.95
8/13/2010 20:00	20670	2_60	2010	225	2000	19.46	76.55	24.48	1.755	6.622	189.5	1925	13.01
8/13/2010 21:00	20671	2_60	2010	225	2100	19.84	75.56	24.49	0	7.134	194.5	2026	13.06
8/13/2010 22:00	20672	2_60	2010	225	2200	22.51	72.31	24.5	0.006	2.594	62.75	2110	13.1
8/13/2010 23:00	20673	2_60	2010	225	2300	25.53	69.41	24.51	0.014	2.935	246.4	2217	13.15
8/14/2010 0:00	20674	2_60	2010	226	0	29.83	65.39	24.52	0.016	6.281	127.2	2354	13.19
8/14/2010 1:00	20675	2_60	2010	226	100	30.93	64.48	24.52	0.017	6.724	135.5	12	13.22
8/14/2010 2:00	20676	2_60	2010	226	200	34.15	61.73	24.53	0.011	3.072	238	114	13.24
8/14/2010 3:00	20677	2_60	2010	226	300	39.09	59.41	24.53	0.005	2.287	289.5	241	13.27
8/14/2010 4:00	20678	2_60	2010	226	400	43.64	57.24	24.54	0.007	2.014	184.1	355	13.3
8/14/2010 5:00	20679	2_60	2010	226	500	49.81	54.95	24.55	0.013	1.638	187.4	453	13.32
8/14/2010 6:00	20680	2_60	2010	226	600	45.16	56.37	24.57	9.86	1.536	247.6	532	13.34
8/14/2010 7:00	20681	2_60	2010	226	700	41.89	60.23	24.58	155.2	2.321	308.5	655	13.33
8/14/2010 8:00	20682	2_60	2010	226	800	36.49	64.39	24.59	359.2	2.765	307.1	711	13.26
8/14/2010 9:00	20683	2_60	2010	226	900	28.02	69.65	24.59	561	2.526	317.3	857	13.18
8/14/2010 10:00	20684	2_60	2010	226	1000	25.12	73.72	24.59	734.6	2.185	330.3	936	13.11
8/14/2010 11:00	20685	2_60	2010	226	1100	21.15	78.97	24.58	865	2.833	296.9	1037	13.05
8/14/2010 12:00	20686	2_60	2010	226	1200	15.08	85.2	24.56	941	4.267	16.42	1148	13
8/14/2010 13:00	20687	2_60	2010	226	1300	11.22	88.7	24.55	953	10.14	206.2	1227	12.96
8/14/2010 14:00	20688	2_60	2010	226	1400	11.84	89.9	24.54	928	10.89	268.6	1333	12.94
8/14/2010 15:00	20689	2_60	2010	226	1500	11.32	90.6	24.54	736.4	13.11	232.3	1420	12.92
8/14/2010 16:00	20690	2_60	2010	226	1600	10.73	91.7	24.54	720.9	9.69	213.6	1504	12.91
8/14/2010 17:00	20691	2_60	2010	226	1700	11.34	90.5	24.54	497.5	10.04	298.3	1618	12.91
8/14/2010 18:00	20692	2_60	2010	226	1800	12.59	89.3	24.54	286.7	11.81	268.8	1716	12.92
8/14/2010 19:00	20693	2_60	2010	226	1900	17.13	83.2	24.55	88.1	6.246	301.1	1802	12.95
8/14/2010 20:00	20694	2_60	2010	226	2000	22.88	74.94	24.57	1.567	4.676	231.5	1940	13.01
8/14/2010 21:00	20695	2_60	2010	226	2100	20.76	75.74	24.59	0	2.253	21.63	2000	13.07
8/14/2010 22:00	20696	2_60	2010	226	2200	24.66	72.16	24.59	0.004	2.458	191.2	2143	13.11
8/14/2010 23:00	20697	2_60	2010	226	2300	25.87	71.7	24.6	0.009	2.935	91.9	2249	13.14

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/15/2010 0:00	20698	2_60	2010	227	0	1.022121	222.1609	44.17925	2.819	12.37	3.166	12.04	19.21	23.41	4.202902
8/15/2010 1:00	20699	2_60	2010	227	100	1.004798	270.3083	42.79202	-0.049	5.956	1.454	6.349	17.48	21.83	4.347203
8/15/2010 2:00	20700	2_60	2010	227	200	0.623499	319.8498	67.08051	0.666	5.302	0.733	5.06	17.64	20.82	3.181698
8/15/2010 3:00	20701	2_60	2010	227	300	1.968749	151.5106	45.35275	1.675	19.02	6.651	20.9	16.29	19.75	3.455501
8/15/2010 4:00	20702	2_60	2010	227	400	0.9111885	205.2356	41.17354	1.06	5.3	0.099	2.849	14.17	18.22	4.054916
8/15/2010 5:00	20703	2_60	2010	227	500	1.243299	230.5268	23.96023	2.372	11.71	2.516	10.02	14.92	17.59	2.665853
8/15/2010 6:00	20704	2_60	2010	227	600	1.179873	278.2436	28.25805	1.543	7.929	1.117	5.961	13.86	16.66	2.804101
8/15/2010 7:00	20705	2_60	2010	227	700	0.854777	16.85119	32.36069	0.387	5.678	-0.201	2.918	15.16	16.75	1.590377
8/15/2010 8:00	20706	2_60	2010	227	800	0.9125819	310.6937	21.50062	4.212	17.38	2.346	16.05	18.69	18.22	-0.468565
8/15/2010 9:00	20707	2_60	2010	227	900	1.045103	335.6921	31.6475	9.85	35.02	7.105	34.84	21.38	20.69	-0.6895643
8/15/2010 10:00	20708	2_60	2010	227	1000	0.961989	6.246987	42.86186	9.39	46.93	5.675	47.42	23.56	22.75	-0.8045714
8/15/2010 11:00	20709	2_60	2010	227	1100	0.5969905	18.39561	69.69537	-0.371	54.18	-1.049	51.86	26.7	25.81	-0.8900384
8/15/2010 12:00	20710	2_60	2010	227	1200	1.522	352.1131	52.55188	9.55	53.94	5.018	53.87	30.08	29.01	-1.061731
8/15/2010 13:00	20711	2_60	2010	227	1300	2.647544	332.7227	45.64101	-2.861	55.98	-5.344	57.79	32.09	30.72	-1.37521
8/15/2010 14:00	20712	2_60	2010	227	1400	2.994591	328.3515	50.87867	21.18	58.93	16.32	61.55	32.96	31.57	-1.388828
8/15/2010 15:00	20713	2_60	2010	227	1500	4.257378	270.6294	38.97592	6.221	58.26	13.64	62.95	33.75	32.16	-1.585532
8/15/2010 16:00	20714	2_60	2010	227	1600	4.360724	276.2113	20.30277	16.44	54.08	28.54	58.93	33.8	32.44	-1.359663
8/15/2010 17:00	20715	2_60	2010	227	1700	2.674286	223.4624	26.78121	15.04	40.09	28.64	41.81	33.38	32.42	-0.9611472
8/15/2010 18:00	20716	2_60	2010	227	1800	2.831666	222.6247	16.40984	0.772	40.35	15.16	42.58	32.98	32.38	-0.6082231
8/15/2010 19:00	20717	2_60	2010	227	1900	3.492796	247.9904	8.122888	9.92	17.67	33.06	20.32	28.97	31.66	2.689549
8/15/2010 20:00	20718	2_60	2010	227	2000	2.602414	234.7724	23.39572	7.399	19.17	24.08	28.14	26.08	30.03	3.949527
8/15/2010 21:00	20719	2_60	2010	227	2100	0.561807	235.9946	18.2001	-0.145	1.224	-0.224	0.483	23.39	29.41	6.021974
8/15/2010 22:00	20720	2_60	2010	227	2200	0.8116305	234.3088	28.9691	-0.677	8.61	-0.15	8.19	23.1	28.21	5.108681
8/15/2010 23:00	20721	2_60	2010	227	2300	1.951305	288.8661	47.37918	7.967	11.97	6.002	10.43	21.91	26.34	4.432268
8/16/2010 0:00	20722	2_60	2010	228	0	7.205201	229.7531	18.38521	12.42	77.03	58.96	93.3	24.57	25.71	1.14876
8/16/2010 1:00	20723	2_60	2010	228	100	9.401296	200.7463	11.07532	20.51	75.75	94.6	91.7	26.23	26.54	0.3100971
8/16/2010 2:00	20724	2_60	2010	228	200	3.367988	182.1156	55.18575	15.12	57.95	27.05	62.5	24.41	25.25	0.8368704
8/16/2010 3:00	20725	2_60	2010	228	300	3.13067	109.6778	56.80409	10.18	61.77	17.48	67.93	23.43	24.68	1.240538
8/16/2010 4:00	20726	2_60	2010	228	400	7.224027	231.1747	24.74192	24.81	63.58	73.98	87.9	24.58	24.77	0.1871944
8/16/2010 5:00	20727	2_60	2010	228	500	4.852892	218.5181	21.52278	13.85	54.73	47.16	63.02	24.21	24.35	0.1368168
8/16/2010 6:00	20728	2_60	2010	228	600	4.052922	221.5357	18.38866	14.58	26.13	40.05	33.44	22.28	23.59	1.30556
8/16/2010 7:00	20729	2_60	2010	228	700	7.015139	231.2017	20.5724	27.53	42.56	50.78	52.35	20.27	22.25	1.97807
8/16/2010 8:00	20730	2_60	2010	228	800	3.64301	279.6141	20.3918	16.94	21.64	25.87	31.21	20.33	21.12	0.7873604
8/16/2010 9:00	20731	2_60	2010	228	900	3.142625	103.9864	50.52805	12.68	25.73	27.04	37.1	18.14	18.84	0.7073447
8/16/2010 10:00	20732	2_60	2010	228	1000	3.782471	139.0684	26.98352	2.113	33.16	15.7	38.55	20.54	20	-0.5487395
8/16/2010 11:00	20733	2_60	2010	228	1100	6.191409	97.15152	8.819912	-8.49	40.31	-9.78	48.49	23.57	22.23	-1.330851
8/16/2010 12:00	20734	2_60	2010	228	1200	5.544174	78.86453	10.12057	1.622	45	-9.98	53.71	25.46	24.18	-1.274652
8/16/2010 13:00	20735	2_60	2010	228	1300	2.104711	76.14793	21.03297	-2.845	39.45	-7.934	41.25	26.42	25.44	-0.977962
8/16/2010 14:00	20736	2_60	2010	228	1400	3.793367	232.6303	45.10902	1.751	42.11	18.48	51.81	24.8	25.43	0.6240828
8/16/2010 15:00	20737	2_60	2010	228	1500	8.503757	199.1669	10.77043	27.23	52.17	100.2	70.99	23.28	23.32	0.03583195
8/16/2010 16:00	20738	2_60	2010	228	1600	5.818406	181.6677	31.04358	14.43	48.49	50.85	63.34	25.28	25.01	-0.2743089
8/16/2010 17:00	20739	2_60	2010	228	1700	5.288121	199.7219	48.76956	12.05	63.1	24.01	73.36	16.45	16.96	0.5067728
8/16/2010 18:00	20740	2_60	2010	228	1800	4.896017	131.3546	13.17594	-0.212	33.68	15.16	40.03	17.6	17.65	0.05185191
8/16/2010 19:00	20741	2_60	2010	228	1900	2.396715	32.41252	49.65774	9.85	19.52	10.07	23.4	18.46	18.58	0.1171204
8/16/2010 20:00	20742	2_60	2010	228	2000	0.9798787	63.7322	35.09061	3.768	13.04	2.295	9.86	16.88	18.07	1.187801
8/16/2010 21:00	20743	2_60	2010	228	2100	3.616612	137.6212	33.57982	3.035	32.34	15.37	38.35	16.59	17.43	0.8434095
8/16/2010 22:00	20744	2_60	2010	228	2200	3.578533	141.9349	25.94564	4.313	30.77	17.67	36.47	17.02	18.01	0.9889829
8/16/2010 23:00	20745	2_60	2010	228	2300	1.093066	106.7052	55.86399	1.691	9.98	3.09	10.9	14.96	16.74	1.774643
8/17/2010 0:00	20746	2_60	2010	229	0	0.6531951	269.2369	44.80027	-0.067	6.689	-0.253	4.426	14.29	15.55	1.262511
8/17/2010 1:00	20747	2_60	2010	229	100	1.298202	145.296	29.22158	-0.784	15.05	0.749	14.01	14.14	15.93	1.783186
8/17/2010 2:00	20748	2_60	2010	229	200	1.234396	147.6711	28.49301	2.472	11.59	1.765	8.2	13.29	15.52	2.226114
8/17/2010 3:00	20749	2_60	2010	229	300	1.406516	280.6412	16.45819	1.518	9.62	1.842	9.02	13.19	14.53	1.343705
8/17/2010 4:00	20750	2_60	2010	229	400	0.2273553	235.7545	29.88887	-0.189	1.463	-0.103	1.28	12.91	14.62	1.718342
8/17/2010 5:00	20751	2_60	2010	229	500	0.2743764	138.9075	24.2913	-0.268	0.323	-0.186	0.741	12.68	14.62	1.933335
8/17/2010 6:00	20752	2_60	2010	229	600	0.3025918	188.0175	8.551663	-0.282	0.06	-0.233	0.13	12.8	14.35	1.547862
8/17/2010 7:00	20753	2_60	2010	229	700	0.5023535	4.147008	22.25405	0.692	4.662	0.37	3.956	14.17	14.58	0.4066009
8/17/2010 8:00	20754	2_60	2010	229	800	0.5940614	328.5937	18.57656	5.691	24.62	4.557	22.3	15.82	15.34	-0.480202
8/17/2010 9:00	20755	2_60	2010	229	900	0.5097791	22.63753	45.52699	-2.879	42.19	-3.76	40.32	17.78	17.07	-0.7116848
8/17/2010 10:00	20756	2_60	2010	229	1000	0.8951715	354.9152	32.5561	8.92	42.08	6.008	41.19	20.1	19.4	-0.7014904
8/17/2010 11:00	20757	2_60	2010	229	1100	0.8730145	344.6956	36.84024	6.28	53.55	3.745	53.33	22.39	21.61	-0.7772968
8/17/2010 12:00	20758	2_60	2010	229	1200	0.770216	72.30008	60.27473	9.37	44.83	7.915	47.94	24.69	23.69	-1.002134
8/17/2010 13:00	20759	2_60	2010	229	1300	1.410925	348.8932	30.70961	-8.54	49.7	-14.7	50.43	26.37	25.38	-0.9948202
8/17/2010 14:00	20760	2_60	2010	229	1400	1.452966	20.50373	36.99321	-7.261	48.58	-13.49	50.14	28.21	27.23	-0.9776103
8/17/2010 15:00	20761	2_60	2010	229	1500	1.858039	42.39879	40.58361	7.89	51.55	3.14	53.39	29.45	28.39	-1.060609
8/17/2010 16:00	20762	2_60	2010	229	1600	2.291992	48.09094	26.24655	4.208	38.55	-4.11	42.37	30.56	29.51	-1.049063
8/17/2010 17:00	20763	2_60	2010	229	1700	2.418145	36.23264	19.63116	12.36	33.65	1.212	38.02	30.8	29.97	-0.8256984
8/17/2010 18:00	20764	2_60	2010	229	1800	0.9667363	40.67661	33.80681	5.58	18.27	2.579	19.19	29.71	29.88	0.174525
8/17/2010 19:00	20765	2_60	2010	229	1900	2.571919	128.7089	11.9249	3.951	9.52	10.01	13.43	26.08	29.03	2.951572
8/17/2010 20:00	20766	2_60	2010	229	2000	2.870766	167.0329	7.610716	10.27	11.01	27.4	14.08	22.45	28.13	5.681551
8/17/2010 21:00	20767	2_60	2010	229	2100	1.335747	218.0708	27.7579	3.277	17.67	9.08	22.21	23.83	26.28	2.440631
8/17/2010 22:00	20768	2_60	2010	229	2200	1.767251	329.2763	58.35394	4.813	19.57	2.529	20.19	22.21	25.3	3.090283
8/17/2010 23:00	20769	2_60	2010	229	2300	0.8961102	233.0358	52.21956	0.33	5.322	0.584	3.771	19.85	23.53	3.688984

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TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/15/2010 0:00	20698	2_60	2010	227	0	32.02	67.52	24.61	0.017	2.56	315.2	2314	13.17
8/15/2010 1:00	20699	2_60	2010	227	100	36.81	64.3	24.61	0.023	2.287	275.9	44	13.2
8/15/2010 2:00	20700	2_60	2010	227	200	36.23	64.18	24.62	0.01	1.536	321.2	115	13.23
8/15/2010 3:00	20701	2_60	2010	227	300	42.23	61.86	24.63	0.015	5.53	112	242	13.25
8/15/2010 4:00	20702	2_60	2010	227	400	51.32	58.14	24.64	0.011	2.082	298.8	344	13.27
8/15/2010 5:00	20703	2_60	2010	227	500	47.06	59.54	24.65	0.005	2.56	284	446	13.29
8/15/2010 6:00	20704	2_60	2010	227	600	51.66	57.65	24.67	8.84	2.935	295.4	509	13.31
8/15/2010 7:00	20705	2_60	2010	227	700	48.88	61.47	24.68	147.5	1.911	70.67	611	13.29
8/15/2010 8:00	20706	2_60	2010	227	800	37.73	68.01	24.68	346.4	2.15	295.3	701	13.23
8/15/2010 9:00	20707	2_60	2010	227	900	31.33	72.94	24.68	546.9	2.765	347.6	859	13.15
8/15/2010 10:00	20708	2_60	2010	227	1000	28.76	76.72	24.67	720.9	2.697	337.4	900	13.08
8/15/2010 11:00	20709	2_60	2010	227	1100	23.86	82.2	24.65	850	2.355	286.2	1033	13.02
8/15/2010 12:00	20710	2_60	2010	227	1200	17.18	87.8	24.64	926	4.847	348.4	1147	12.98
8/15/2010 13:00	20711	2_60	2010	227	1300	12.9	90.8	24.62	940	6.11	270.4	1244	12.94
8/15/2010 14:00	20712	2_60	2010	227	1400	12.9	92.5	24.6	921	7.441	4.819	1352	12.91
8/15/2010 15:00	20713	2_60	2010	227	1500	12.67	93.4	24.58	827	9.05	292.9	1452	12.9
8/15/2010 16:00	20714	2_60	2010	227	1600	12.96	93.6	24.57	677.2	10.24	233.1	1544	12.9
8/15/2010 17:00	20715	2_60	2010	227	1700	13.58	93	24.56	432.6	5.803	202.1	1618	12.89
8/15/2010 18:00	20716	2_60	2010	227	1800	13.87	92.2	24.55	297.1	5.564	227.5	1727	12.9
8/15/2010 19:00	20717	2_60	2010	227	1900	21.13	85.2	24.55	58.23	5.257	258.5	1816	12.93
8/15/2010 20:00	20718	2_60	2010	227	2000	25.03	79.28	24.56	1.429	4.71	234.1	1915	12.99
8/15/2010 21:00	20719	2_60	2010	227	2100	31.04	74.44	24.58	0.001	1.229	219.5	2052	13.04
8/15/2010 22:00	20720	2_60	2010	227	2200	30.1	73.78	24.58	0.001	3.379	90	2146	13.09
8/15/2010 23:00	20721	2_60	2010	227	2300	32.04	72.23	24.58	0.008	4.267	304.3	2246	13.12
8/16/2010 0:00	20722	2_60	2010	228	0	29.44	76.39	24.6	0.014	14.68	242	2333	13.13
8/16/2010 1:00	20723	2_60	2010	228	100	29.87	79.6	24.6	0.015	15.29	195	29	13.09
8/16/2010 2:00	20724	2_60	2010	228	200	32.61	76.48	24.62	0.012	8.4	190.5	103	13.08
8/16/2010 3:00	20725	2_60	2010	228	300	36.25	74.31	24.6	0.011	11.54	187.9	258	13.09
8/16/2010 4:00	20726	2_60	2010	228	400	34.85	76.57	24.63	0.016	15.6	198.7	320	13.09
8/16/2010 5:00	20727	2_60	2010	228	500	38.29	75.91	24.65	0.018	8.91	192.9	423	13.08
8/16/2010 6:00	20728	2_60	2010	228	600	48.83	72.72	24.65	1.585	7.782	174.5	559	13.09
8/16/2010 7:00	20729	2_60	2010	228	700	58.75	68.97	24.67	21.79	15.5	162.6	615	13.13
8/16/2010 8:00	20730	2_60	2010	228	800	64.35	69.13	24.7	72.9	9.45	255.7	751	13.14
8/16/2010 9:00	20731	2_60	2010	228	900	81.1	65.29	24.68	171.5	8.26	166	813	13.17
8/16/2010 10:00	20732	2_60	2010	228	1000	71.95	69.39	24.68	344.1	7.305	127.3	940	13.15
8/16/2010 11:00	20733	2_60	2010	228	1100	55.97	74.63	24.67	844	9.56	91.8	1025	13.11
8/16/2010 12:00	20734	2_60	2010	228	1200	48.29	78.08	24.64	768.6	8.94	73.62	1148	13.06
8/16/2010 13:00	20735	2_60	2010	228	1300	41.74	80.3	24.61	669.9	4.506	88.2	1250	13.03
8/16/2010 14:00	20736	2_60	2010	228	1400	46.38	77.37	24.6	128.7	14.06	237.7	1358	13.01
8/16/2010 15:00	20737	2_60	2010	228	1500	48.44	74.16	24.58	403.8	17.13	203.1	1403	13.06
8/16/2010 16:00	20738	2_60	2010	228	1600	45.07	77.89	24.63	239.3	19.42	292.7	1559	13.04
8/16/2010 17:00	20739	2_60	2010	228	1700	76.93	62.37	24.63	53.8	20.99	299.8	1601	12.84
8/16/2010 18:00	20740	2_60	2010	228	1800	74.87	64.33	24.62	149.2	10.48	129.4	1753	12.45
8/16/2010 19:00	20741	2_60	2010	228	1900	74.78	65.97	24.65	101.5	6.246	89.4	1831	13
8/16/2010 20:00	20742	2_60	2010	228	2000	82.9	62.82	24.67	1.699	2.423	132.3	1931	13.19
8/16/2010 21:00	20743	2_60	2010	228	2100	73.08	62.19	24.67	0.006	9.83	151.3	2053	13.21
8/16/2010 22:00	20744	2_60	2010	228	2200	64.48	63.18	24.68	0.018	8.57	138.9	2105	13.22
8/16/2010 23:00	20745	2_60	2010	228	2300	78.45	59.26	24.68	0.011	3.277	140.5	2211	13.24
8/17/2010 0:00	20746	2_60	2010	229	0	82.4	58.08	24.68	0.02	1.707	269.2	2321	13.26
8/17/2010 1:00	20747	2_60	2010	229	100	82.1	57.77	24.68	0.018	3.652	138.3	42	13.28
8/17/2010 2:00	20748	2_60	2010	229	200	86.4	56.41	24.67	0.025	3.14	295.2	159	13.29
8/17/2010 3:00	20749	2_60	2010	229	300	87.4	56.04	24.68	0.022	3.379	298.4	200	13.3
8/17/2010 4:00	20750	2_60	2010	229	400	88.7	55.57	24.68	0.034	1.195	235.8	300	13.31
8/17/2010 5:00	20751	2_60	2010	229	500	88.8	55.21	24.69	0.046	0.956	175.2	459	13.31
8/17/2010 6:00	20752	2_60	2010	229	600	88.3	55.49	24.7	8.66	0.99	182.8	500	13.32
8/17/2010 7:00	20753	2_60	2010	229	700	81.7	59.53	24.71	137	1.468	329.5	658	13.3
8/17/2010 8:00	20754	2_60	2010	229	800	72.22	63.35	24.72	326.7	1.707	322	702	13.25
8/17/2010 9:00	20755	2_60	2010	229	900	64.57	66.88	24.71	522.8	1.707	70.68	843	13.18
8/17/2010 10:00	20756	2_60	2010	229	1000	58.7	70.19	24.71	693.8	2.389	321.5	941	13.12
8/17/2010 11:00	20757	2_60	2010	229	1100	50.18	74.32	24.7	826	2.56	350.5	1020	13.07
8/17/2010 12:00	20758	2_60	2010	229	1200	43.02	78.18	24.68	903	2.389	2.918	1155	13.03
8/17/2010 13:00	20759	2_60	2010	229	1300	40.29	81	24.66	921	3.106	325.2	1250	12.99
8/17/2010 14:00	20760	2_60	2010	229	1400	33.73	84.2	24.64	886	3.959	350	1356	12.96
8/17/2010 15:00	20761	2_60	2010	229	1500	29.45	86.2	24.61	764.4	4.233	10.06	1403	12.94
8/17/2010 16:00	20762	2_60	2010	229	1600	22.51	87.9	24.6	690	5.154	15.61	1512	12.92
8/17/2010 17:00	20763	2_60	2010	229	1700	20.03	88.4	24.59	473.4	4.881	57.81	1611	12.92
8/17/2010 18:00	20764	2_60	2010	229	1800	23.4	86.9	24.59	240.9	3.857	20.85	1702	12.92
8/17/2010 19:00	20765	2_60	2010	229	1900	35.93	79.76	24.59	70.66	3.925	106.5	1807	12.95
8/17/2010 20:00	20766	2_60	2010	229	2000	41.81	73.11	24.61	1.212	4.198	172	1959	13.02
8/17/2010 21:00	20767	2_60	2010	229	2100	34.07	75.02	24.62	0	4.062	159.7	2007	13.08
8/17/2010 22:00	20768	2_60	2010	229	2200	38.44	72.31	24.63	0.002	5.052	105.8	2123	13.11
8/17/2010 23:00	20769	2_60	2010	229	2300	45.07	68.6	24.64	0.015	2.253	329.2	2200	13.14

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/18/2010 0:00	20770	2_60	2010	230	0	1.001816	220.5018	23.75287	2.655	8.49	2.185	6.595	18.24	22.24	3.993674
8/18/2010 1:00	20771	2_60	2010	230	100	1.639278	156.0415	27.13831	1.031	14.07	5.064	15.89	18.05	21.38	3.321727
8/18/2010 2:00	20772	2_60	2010	230	200	0.5100663	225.7672	41.97957	-0.243	2.054	-0.245	0.769	17.25	20.45	3.195961
8/18/2010 3:00	20773	2_60	2010	230	300	0.5730947	168.0164	36.10039	0.327	14.1	0.992	14.63	15.91	19.41	3.496236
8/18/2010 4:00	20774	2_60	2010	230	400	1.335265	252.622	18.1083	3.181	9.05	4.26	9.58	15.55	17.63	2.077043
8/18/2010 5:00	20775	2_60	2010	230	500	0.6434677	224.1926	35.48988	-0.189	1.975	-0.091	1.458	15.08	18.04	2.959776
8/18/2010 6:00	20776	2_60	2010	230	600	0.7189865	272.2893	31.31823	1.102	4.803	-0.119	1.276	15.44	18.06	2.627146
8/18/2010 7:00	20777	2_60	2010	230	700	1.065179	205.2089	27.12597	-0.681	1.7	-0.248	0.388	16.83	18.08	1.258965
8/18/2010 8:00	20778	2_60	2010	230	800	1.032556	296.7345	23.48324	3.323	12.22	2.427	10.82	18.57	18.26	-0.3165484
8/18/2010 9:00	20779	2_60	2010	230	900	0.9594569	322.4177	39.36344	5.978	28.95	4.582	28.09	21.2	20.43	-0.7656483
8/18/2010 10:00	20780	2_60	2010	230	1000	0.7194447	302.8307	49.47358	10.34	43.98	10.6	44.77	23.27	22.4	-0.871644
8/18/2010 11:00	20781	2_60	2010	230	1100	0.8977621	324.8812	35.16706	16.04	42.2	14.08	40.26	26.11	25.15	-0.9637246
8/18/2010 12:00	20782	2_60	2010	230	1200	1.06729	286.5554	42.56498	2.059	43.32	2.478	40.98	28.2	27.14	-1.067828
8/18/2010 13:00	20783	2_60	2010	230	1300	1.890467	177.2041	67.59338	-7.026	61.71	-3.207	64.42	31.02	29.89	-1.126772
8/18/2010 14:00	20784	2_60	2010	230	1400	5.290136	181.5099	20.6558	-1.058	56.29	24.82	63.77	31	30.23	-0.7730827
8/18/2010 15:00	20785	2_60	2010	230	1500	6.121538	218.6792	22.76954	-7.326	86.5	24.58	98.3	30.08	29.35	-0.7280869
8/18/2010 16:00	20786	2_60	2010	230	1600	6.122279	262.9445	12.78772	15.67	64.34	40.5	72.82	28.61	28.1	-0.5038188
8/18/2010 17:00	20787	2_60	2010	230	1700	5.173476	281.9299	10.53388	4.309	43.77	9.91	42.91	27.61	27.48	-0.1296127
8/18/2010 18:00	20788	2_60	2010	230	1800	4.307648	287.9615	12.71757	12.54	36.94	16.12	36.02	26.57	26.97	0.4011731
8/18/2010 19:00	20789	2_60	2010	230	1900	3.402683	291.6729	19.19229	12.11	26.41	18.97	24.11	24.92	25.96	1.034465
8/18/2010 20:00	20790	2_60	2010	230	2000	1.02738	210.053	41.23299	0.678	7.176	1.056	6.473	23.15	25.35	2.201782
8/18/2010 21:00	20791	2_60	2010	230	2100	1.61288	262.1985	22.72979	0.393	9.25	4.438	10.46	22.27	25.02	2.752121
8/18/2010 22:00	20792	2_60	2010	230	2200	5.054592	191.1494	18.70015	19.72	41.48	51.81	63.34	22.65	23.73	1.076796
8/18/2010 23:00	20793	2_60	2010	230	2300	10.104	178.026	28.77691	43.59	49.24	120.3	62.1	21.26	21.24	-0.01615667
8/19/2010 0:00	20794	2_60	2010	231	0	4.808781	85.94875	14.49381	6.576	36.71	3.402	41.28	20.22	20.12	-0.09975588
8/19/2010 1:00	20795	2_60	2010	231	100	2.675818	128.5185	13.76407	-0.517	24.77	5.248	27.12	19.25	19.18	-0.07855269
8/19/2010 2:00	20796	2_60	2010	231	200	1.819616	7.803544	26.34698	6.844	15.61	5.225	12.83	18.69	18.87	0.1720042
8/19/2010 3:00	20797	2_60	2010	231	300	1.022746	271.1399	28.95701	1.915	6.925	1.51	5.691	18.09	18.5	0.4112935
8/19/2010 4:00	20798	2_60	2010	231	400	0.6317743	42.39582	19.3692	-0.26	0.329	-0.274	0.13	17.91	18.56	0.6438587
8/19/2010 5:00	20799	2_60	2010	231	500	0.5289209	191.2874	20.52615	-0.285	0.048	-0.255	0.106	17.28	17.8	0.5223743
8/19/2010 6:00	20800	2_60	2010	231	600	1.57027	133.363	11.47532	1.636	6.009	2.385	7.491	17.07	17.88	0.8058357
8/19/2010 7:00	20801	2_60	2010	231	700	1.718409	145.4785	13.85728	0.103	3.216	0.612	3.444	17.55	18.04	0.492793
8/19/2010 8:00	20802	2_60	2010	231	800	2.619552	81.38725	17.13432	4.863	12.75	1.275	10.53	18.76	18.56	-0.201824
8/19/2010 9:00	20803	2_60	2010	231	900	1.501549	26.5466	70.2851	2.127	39.01	1.402	37.95	20.64	20.17	-0.4760225
8/19/2010 10:00	20804	2_60	2010	231	1000	2.930509	239.3419	29.47877	4.203	50.03	15.72	54.79	22.44	21.48	-0.9532326
8/19/2010 11:00	20805	2_60	2010	231	1100	2.789878	186.0522	37.98512	-6.525	65.18	5.158	68.02	23.71	22.51	-1.204895
8/19/2010 12:00	20806	2_60	2010	231	1200	2.658606	215.5446	49.47224	1.38	64.75	14.57	70.31	25.34	24.02	-1.314736
8/19/2010 13:00	20807	2_60	2010	231	1300	4.177509	236.1382	36.40955	6.334	67.93	26.33	74.97	26.71	25.17	-1.540113
8/19/2010 14:00	20808	2_60	2010	231	1400	4.200011	272.5322	20.63533	3.636	48.61	15.05	55.38	26.7	25.96	-0.7460296
8/19/2010 15:00	20809	2_60	2010	231	1500	9.770231	194.3265	14.90892	27.18	54.17	105.5	76.33	21.9	21.97	0.07374744
8/19/2010 16:00	20810	2_60	2010	231	1600	5.823423	284.6947	21.11197	32.11	48.33	37.64	52.05	17	16.86	-0.1388355
8/19/2010 17:00	20811	2_60	2010	231	1700	1.877416	140.5797	39.58118	0.936	15.88	1.391	17.34	16.71	16.44	-0.2651196
8/19/2010 18:00	20812	2_60	2010	231	1800	4.549447	108.9097	26.08371	-0.901	30.3	0.231	35.86	17.13	17.15	0.0154951
8/19/2010 19:00	20813	2_60	2010	231	1900	5.280864	102.9695	7.674098	-1.897	25.05	-0.291	29.85	17.27	17.25	-0.01803475
8/19/2010 20:00	20814	2_60	2010	231	2000	1.633241	71.65655	31.82807	0.436	21.25	-1.782	19.96	16.65	17.22	0.5728661
8/19/2010 21:00	20815	2_60	2010	231	2100	1.218386	274.592	39.49755	0.623	13.5	3.905	14.13	15.46	16.89	1.434195
8/19/2010 22:00	20816	2_60	2010	231	2200	1.177056	201.7365	16.19097	1.55	8.5	4.182	10.69	14.53	16.15	1.627284
8/19/2010 23:00	20817	2_60	2010	231	2300	0.9543393	198.9588	6.721565	0.17	2.468	1.333	4.882	14.07	16.49	2.425075
8/20/2010 0:00	20818	2_60	2010	232	0	0.9598563	184.7993	27.93347	0.757	4.718	2.522	7.951	13.75	15.78	2.034137
8/20/2010 1:00	20819	2_60	2010	232	100	1.018228	208.1716	28.62007	-0.194	8.98	2.2	11.46	13.57	15.48	1.912976
8/20/2010 2:00	20820	2_60	2010	232	200	0.6079131	204.2069	28.36865	-0.238	3.319	0.406	3.117	13.22	14.89	1.673713
8/20/2010 3:00	20821	2_60	2010	232	300	0.376575	243.5144	43.71207	0.948	6.383	1.325	6.924	12.75	14.26	1.507052
8/20/2010 4:00	20822	2_60	2010	232	400	0.5997198	252.0022	31.61876	0.669	4.204	1.646	5.842	12.4	13.51	1.109055
8/20/2010 5:00	20823	2_60	2010	232	500	0.8509688	121.9364	13.3962	-0.277	7.079	-0.615	9.52	11.92	13.19	1.276039
8/20/2010 6:00	20824	2_60	2010	232	600	0.773491	309.307	29.48191	0.3	5.231	1.093	6.305	11.97	13.02	1.050959
8/20/2010 7:00	20825	2_60	2010	232	700	0.6589741	299.4914	19.34065	1.472	9.8	1.29	9.71	13.17	13.08	-0.08583757
8/20/2010 8:00	20826	2_60	2010	232	800	1.010175	15.53445	37.82342	10.12	27.85	6.906	27.23	14.55	13.95	-0.6072643
8/20/2010 9:00	20827	2_60	2010	232	900	1.0484	339.605	31.9136	8.78	41.62	7.693	41.92	16.01	15.05	-0.9649649
8/20/2010 10:00	20828	2_60	2010	232	1000	0.8713929	23.6987	52.78576	15.35	53.57	13.3	55.29	17.8	16.96	-0.8477197
8/20/2010 11:00	20829	2_60	2010	232	1100	0.8444263	61.25051	41.91749	-2.979	40.57	-4.511	43.7	20.34	19.34	-1.001479
8/20/2010 12:00	20830	2_60	2010	232	1200	0.8726442	295.0732	60.08425	-1.217	60.44	-1.981	61.57	22.76	21.72	-1.040583
8/20/2010 13:00	20831	2_60	2010	232	1300	1.140505	255.1462	38.31778	-6.131	56.28	-4.124	56.01	24.64	23.57	-1.072738
8/20/2010 14:00	20832	2_60	2010	232	1400	1.441274	250.8027	71.96285	8.52	52.79	10.14	54.06	25.96	24.78	-1.179551
8/20/2010 15:00	20833	2_60	2010	232	1500	1.878922	273.1748	27.52908	-4.773	45.15	-2.471	46.5	26.78	25.61	-1.1647
8/20/2010 16:00	20834	2_60	2010	232	1600	1.718211	306.3129	27.13748	-1.703	46.51	-5.019	48.56	27.43	26.46	-0.964284
8/20/2010 17:00	20835	2_60	2010	232	1700	1.448296	262.0636	37.29969	3.115	36.61	4.602	39.25	27.71	26.81	-0.8946419
8/20/2010 18:00	20836	2_60	2010	232	1800	1.219158	221.5603	27.83754	0.937	16.99	4.468	18.75	26.88	26.56	-0.316364
8/20/2010 19:00	20837	2_60	2010	232	1900	1.906085	199.4027	5.4115	0.554	3.681	9.48	11.37	23.2	25.81	2.608656
8/20/2010 20:00	20838	2_60	2010	232	2000	1.806354	213.1162	6.512236	3.874	7.419	16.7	13.07	19.65	25.25	5.601817
8/20/2010 21:00	20839	2_60	2010	232	2100	2.189541	196.1276	18.10672	3.616	10.37	14.64	16.73	19.79	24.17	4.371931
8/20/2010 22:00	20840	2_60	2010	232	2200	1.699295	119.2031	37.41373	7.227	27.3	8.63	29.56	19.97	22.02	2.056242
8/20/2010 23:00	20841	2_60	2010	232	2300	0.7438501	238.2292	33.72697	1.47	6.752	2.147	7.126	17.07	20.76	3.690416

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/18/2010 0:00	20770	2_60	2010	230	0	52.62	65.44	24.65	0.024	2.526	129	2359	13.18
8/18/2010 1:00	20771	2_60	2010	230	100	54.21	64.85	24.65	0.021	6.007	114	5	13.2
8/18/2010 2:00	20772	2_60	2010	230	200	56.74	63.96	24.65	0.021	2.048	98.6	146	13.22
8/18/2010 3:00	20773	2_60	2010	230	300	64.6	61.09	24.65	0.017	2.833	145.8	250	13.23
8/18/2010 4:00	20774	2_60	2010	230	400	63.51	60.47	24.65	0.006	2.697	252.2	337	13.25
8/18/2010 5:00	20775	2_60	2010	230	500	67.91	59.55	24.66	0.013	1.911	264.6	400	13.26
8/18/2010 6:00	20776	2_60	2010	230	600	68.97	60.25	24.67	6.227	2.048	338.3	542	13.26
8/18/2010 7:00	20777	2_60	2010	230	700	63.68	63.21	24.68	108.2	1.775	273.6	604	13.25
8/18/2010 8:00	20778	2_60	2010	230	800	55.49	66.98	24.68	276.4	1.98	302.4	748	13.2
8/18/2010 9:00	20779	2_60	2010	230	900	39.28	73.22	24.68	524.5	3.072	303.3	854	13.14
8/18/2010 10:00	20780	2_60	2010	230	1000	35.25	76.48	24.67	701.1	2.526	279	908	13.08
8/18/2010 11:00	20781	2_60	2010	230	1100	30.32	81	24.66	825	2.355	273.3	1051	13.02
8/18/2010 12:00	20782	2_60	2010	230	1200	28.03	84.7	24.63	848	3.072	320.1	1113	12.98
8/18/2010 13:00	20783	2_60	2010	230	1300	21.28	89	24.6	987	7.031	228.4	1251	12.95
8/18/2010 14:00	20784	2_60	2010	230	1400	19.87	88.3	24.6	483	9.28	128.4	1346	12.92
8/18/2010 15:00	20785	2_60	2010	230	1500	25.46	86.5	24.6	495.6	13.89	250	1425	12.94
8/18/2010 16:00	20786	2_60	2010	230	1600	29.32	83.9	24.6	242.4	11.67	235.7	1510	12.96
8/18/2010 17:00	20787	2_60	2010	230	1700	29.83	82.2	24.59	152.8	8.77	308	1657	12.98
8/18/2010 18:00	20788	2_60	2010	230	1800	34.56	80.4	24.59	46.79	8.91	306.2	1751	13
8/18/2010 19:00	20789	2_60	2010	230	1900	37.94	77.36	24.57	15.17	6.519	317.7	1801	13.03
8/18/2010 20:00	20790	2_60	2010	230	2000	44.75	74.08	24.58	0.293	2.935	263.5	1900	13.05
8/18/2010 21:00	20791	2_60	2010	230	2100	48.65	72.44	24.6	0.002	3.14	254	2059	13.08
8/18/2010 22:00	20792	2_60	2010	230	2200	47.19	73.08	24.61	0.004	14.2	166.3	2152	13.1
8/18/2010 23:00	20793	2_60	2010	230	2300	56.75	70.52	24.62	0.012	15.19	172.3	2226	13.11
8/19/2010 0:00	20794	2_60	2010	231	0	60.66	68.71	24.63	0.021	10.38	78.76	2316	13.12
8/19/2010 1:00	20795	2_60	2010	231	100	66.12	66.94	24.61	0.026	5.018	136.8	1	13.14
8/19/2010 2:00	20796	2_60	2010	231	200	71.45	66.05	24.6	0.032	3.618	114.6	116	13.15
8/19/2010 3:00	20797	2_60	2010	231	300	77.08	64.82	24.6	0.033	2.014	215.8	242	13.16
8/19/2010 4:00	20798	2_60	2010	231	400	80.3	64.67	24.6	0.029	2.014	41.06	327	13.17
8/19/2010 5:00	20799	2_60	2010	231	500	89.1	63.43	24.59	0.017	1.365	164.8	448	13.18
8/19/2010 6:00	20800	2_60	2010	231	600	88.7	63.05	24.6	3.017	3.072	125.9	519	13.19
8/19/2010 7:00	20801	2_60	2010	231	700	85.4	63.94	24.61	75.63	3.243	105.7	659	13.19
8/19/2010 8:00	20802	2_60	2010	231	800	79.13	66.23	24.61	123.9	4.13	72.28	722	13.18
8/19/2010 9:00	20803	2_60	2010	231	900	66.95	70.02	24.59	375.1	5.359	100	858	13.15
8/19/2010 10:00	20804	2_60	2010	231	1000	54.23	73.27	24.58	499	6.485	141.7	909	13.1
8/19/2010 11:00	20805	2_60	2010	231	1100	47.3	75.52	24.57	808	9.01	173	1046	13.06
8/19/2010 12:00	20806	2_60	2010	231	1200	39.46	78.69	24.55	930	10.31	238.6	1144	13.02
8/19/2010 13:00	20807	2_60	2010	231	1300	35.34	80.7	24.53	832	8.91	276	1243	12.97
8/19/2010 14:00	20808	2_60	2010	231	1400	32.74	80.7	24.5	280.1	10.24	301.6	1345	12.97
8/19/2010 15:00	20809	2_60	2010	231	1500	55.05	71.8	24.54	183.4	20.75	196.7	1408	13.03
8/19/2010 16:00	20810	2_60	2010	231	1600	82.6	63.01	24.58	60.76	19.66	306.9	1506	13.11
8/19/2010 17:00	20811	2_60	2010	231	1700	80.8	62.46	24.57	122.7	6.212	92.8	1652	13.17
8/19/2010 18:00	20812	2_60	2010	231	1800	81.8	63.13	24.56	54.97	8.4	105.5	1753	13.18
8/19/2010 19:00	20813	2_60	2010	231	1900	79.26	63.4	24.56	56.71	8.7	103.3	1811	13.19
8/19/2010 20:00	20814	2_60	2010	231	2000	81.3	62.34	24.56	1.501	3.482	83.2	1918	13.2
8/19/2010 21:00	20815	2_60	2010	231	2100	86	60.21	24.58	0.011	3.55	258.4	2014	13.22
8/19/2010 22:00	20816	2_60	2010	231	2200	89.3	58.46	24.58	0.011	2.116	160	2137	13.25
8/19/2010 23:00	20817	2_60	2010	231	2300	89.6	57.57	24.58	0.018	1.98	194.5	2227	13.27
8/20/2010 0:00	20818	2_60	2010	232	0	90.2	57.06	24.59	0.025	1.775	210	2311	13.28
8/20/2010 1:00	20819	2_60	2010	232	100	90	56.66	24.58	0.031	2.287	129.3	30	13.29
8/20/2010 2:00	20820	2_60	2010	232	200	91.3	56.15	24.58	0.046	1.536	144.9	138	13.3
8/20/2010 3:00	20821	2_60	2010	232	300	92.7	55.32	24.58	0.053	1.57	253.9	259	13.31
8/20/2010 4:00	20822	2_60	2010	232	400	93.3	54.75	24.59	0.047	2.014	267.1	308	13.32
8/20/2010 5:00	20823	2_60	2010	232	500	94	53.72	24.6	0.046	2.423	72.13	451	13.33
8/20/2010 6:00	20824	2_60	2010	232	600	93.6	54.01	24.61	11.1	2.219	129.1	504	13.33
8/20/2010 7:00	20825	2_60	2010	232	700	87.7	57.64	24.63	166.3	1.877	16.73	650	13.31
8/20/2010 8:00	20826	2_60	2010	232	800	81.3	60.35	24.64	373.6	2.56	338.1	718	13.26
8/20/2010 9:00	20827	2_60	2010	232	900	73.79	62.83	24.64	555	3.072	298.2	809	13.2
8/20/2010 10:00	20828	2_60	2010	232	1000	67.6	66.35	24.64	697	2.662	79.42	907	13.15
8/20/2010 11:00	20829	2_60	2010	232	1100	57.27	70.26	24.63	831	3.004	332.5	1056	13.11
8/20/2010 12:00	20830	2_60	2010	232	1200	41.19	74.61	24.61	913	3.345	325.1	1142	13.06
8/20/2010 13:00	20831	2_60	2010	232	1300	28.46	78.21	24.6	933	3.823	289.1	1257	13.02
8/20/2010 14:00	20832	2_60	2010	232	1400	25.37	80	24.58	897	3.994	211.8	1348	12.99
8/20/2010 15:00	20833	2_60	2010	232	1500	20.82	82.3	24.57	801	4.949	303.6	1454	12.97
8/20/2010 16:00	20834	2_60	2010	232	1600	18.02	83.3	24.56	646.4	4.267	302.8	1548	12.95
8/20/2010 17:00	20835	2_60	2010	232	1700	18.96	83.4	24.55	458.5	3.447	332.7	1604	12.94
8/20/2010 18:00	20836	2_60	2010	232	1800	25.11	81.6	24.54	253	2.492	202.5	1700	12.95
8/20/2010 19:00	20837	2_60	2010	232	1900	37.92	74.56	24.54	62.03	3.243	207	1846	12.98
8/20/2010 20:00	20838	2_60	2010	232	2000	50.33	67.67	24.55	0.71	2.901	209.6	1946	13.06
8/20/2010 21:00	20839	2_60	2010	232	2100	47.66	68	24.57	0.005	5.291	119.3	2057	13.13
8/20/2010 22:00	20840	2_60	2010	232	2200	44.23	68.39	24.58	0.012	4.745	131.9	2100	13.16
8/20/2010 23:00	20841	2_60	2010	232	2300	56.7	63.39	24.59	0.019	1.775	171.2	2252	13.19

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/21/2010 0:00	20842	2_60	2010	233	0	1.319417	166.4486	25.4702	1.917	17.98	6.216	19.82	16.73	20.12	3.385941
8/21/2010 1:00	20843	2_60	2010	233	100	0.7706441	163.4911	44.98434	-0.032	15.82	2.077	16.41	15.49	18.61	3.122372
8/21/2010 2:00	20844	2_60	2010	233	200	2.903996	152.9235	33.04979	6.004	26.52	16.85	29.85	15.23	17.94	2.707127
8/21/2010 3:00	20845	2_60	2010	233	300	2.236495	135.7429	22.07598	2.265	18.37	10	22.59	14.26	17.48	3.218256
8/21/2010 4:00	20846	2_60	2010	233	400	2.261751	120.3583	31.63842	10.54	17.89	17.34	22.28	14.08	16.98	2.892551
8/21/2010 5:00	20847	2_60	2010	233	500	2.521535	125.8998	28.33521	11.61	21.74	16.52	26.93	13.01	16.27	3.250927
8/21/2010 6:00	20848	2_60	2010	233	600	2.487913	112.0343	36.45295	3.557	13.58	4.861	16.11	13.7	16.64	2.938016
8/21/2010 7:00	20849	2_60	2010	233	700	1.321869	311.616	27.99595	6.995	12.45	3.531	10.44	13.83	14.73	0.8992682
8/21/2010 8:00	20850	2_60	2010	233	800	0.9068604	241.6725	35.52901	2.603	15.18	4.683	13.19	14.94	14.63	-0.3067852
8/21/2010 9:00	20851	2_60	2010	233	900	0.7291428	292.1558	47.93831	4.575	42.78	2.949	39.67	18.6	17.92	-0.6874861
8/21/2010 10:00	20852	2_60	2010	233	1000	0.9456331	338.118	33.24929	-0.063	46.77	-2.645	45.78	21.25	20.46	-0.7864005
8/21/2010 11:00	20853	2_60	2010	233	1100	0.6805047	44.57393	42.87812	-7.847	52.02	-9.33	52.17	23.98	23.07	-0.9091576
8/21/2010 12:00	20854	2_60	2010	233	1200	0.8583966	50.84956	52.00682	9.04	59.18	6.404	61.45	26.63	25.55	-1.075941
8/21/2010 13:00	20855	2_60	2010	233	1300	1.706089	5.046352	36.06282	-6.243	50.4	-14.37	52.88	28.81	27.67	-1.140694
8/21/2010 14:00	20856	2_60	2010	233	1400	1.719748	335.8224	38.76363	0.925	53.68	-4.017	53.98	30.17	29.12	-1.057099
8/21/2010 15:00	20857	2_60	2010	233	1500	3.756984	165.8824	26.65269	-0.183	44.15	16.34	51.17	30.13	29.37	-0.7674728
8/21/2010 16:00	20858	2_60	2010	233	1600	2.979836	168.6928	30.34693	-1.239	56.12	11.09	59.74	30.77	29.86	-0.9063386
8/21/2010 17:00	20859	2_60	2010	233	1700	3.504431	156.1615	29.01665	-1.087	46.38	12.95	53.42	30.87	30.03	-0.8419229
8/21/2010 18:00	20860	2_60	2010	233	1800	1.818479	231.2727	38.71567	-0.864	36.55	6.208	41.2	30.69	30.1	-0.582419
8/21/2010 19:00	20861	2_60	2010	233	1900	3.316463	194.3546	18.27675	0.294	38.33	19.36	42.89	27.95	29.66	1.709166
8/21/2010 20:00	20862	2_60	2010	233	2000	4.754304	194.2955	3.563212	12.39	10.79	52.63	13.97	24.1	28.39	4.290331
8/21/2010 21:00	20863	2_60	2010	233	2100	5.277859	195.5057	3.655822	19.58	12.59	65.39	14.05	23.44	28.08	4.635088
8/21/2010 22:00	20864	2_60	2010	233	2200	6.915028	180.5365	1.985028	26.53	18.11	81.5	18.59	24.08	26.9	2.820535
8/21/2010 23:00	20865	2_60	2010	233	2300	1.922981	92.33113	42.77947	8.52	27.6	11.2	37.49	22.04	24.63	2.584922
8/22/2010 0:00	20866	2_60	2010	234	0	0.6345077	193.4949	29.6782	0.754	7.365	1.244	7.497	20.02	23.59	3.569137
8/22/2010 1:00	20867	2_60	2010	234	100	0.4460643	153.4214	50.78646	-0.252	2.158	-0.286	0.293	18.78	22.63	3.854942
8/22/2010 2:00	20868	2_60	2010	234	200	0.8821191	229.7425	50.9524	0.879	11.16	0.358	8.89	18.39	21.46	3.072183
8/22/2010 3:00	20869	2_60	2010	234	300	0.8618978	262.4672	36.53631	0.521	5.028	-0.079	1.865	17.05	19.9	2.855827
8/22/2010 4:00	20870	2_60	2010	234	400	1.078187	157.0179	28.87448	0.309	8.12	0.356	5.963	16.83	20	3.171989
8/22/2010 5:00	20871	2_60	2010	234	500	1.161495	275.2484	15.60948	0.336	6.636	0.096	3.804	16.27	18.38	2.111032
8/22/2010 6:00	20872	2_60	2010	234	600	0.6432727	214.2076	35.31025	-0.335	3.781	0.037	1.951	15.06	18.28	3.224076
8/22/2010 7:00	20873	2_60	2010	234	700	0.6640895	287.978	41.44085	0.746	4.249	-0.202	0.681	16.59	17.64	1.051663
8/22/2010 8:00	20874	2_60	2010	234	800	0.9656017	284.0419	48.45066	4.042	11.52	2.807	9.05	18.59	18.22	-0.3695629
8/22/2010 9:00	20875	2_60	2010	234	900	0.6833484	321.0506	38.60008	3.301	19.99	2.861	17.42	20.59	20.09	-0.4948096
8/22/2010 10:00	20876	2_60	2010	234	1000	1.243901	354.9278	37.57604	10.55	26.31	6.898	24.5	22.33	21.83	-0.5025238
8/22/2010 11:00	20877	2_60	2010	234	1100	1.211759	299.2304	42.39975	12.55	29.05	10.37	27.03	23.03	22.49	-0.5375319
8/22/2010 12:00	20878	2_60	2010	234	1200	2.030754	316.8359	48.83226	3.352	60.65	0.349	58.96	26.28	25.43	-0.8521447
8/22/2010 13:00	20879	2_60	2010	234	1300	2.962395	255.1353	34.85374	0.525	41.14	13.29	45.39	26.27	25.82	-0.4493265
8/22/2010 14:00	20880	2_60	2010	234	1400	5.477099	254.218	10.24776	7.018	44.87	36.57	51.54	24.31	24.26	-0.0436173
8/22/2010 15:00	20881	2_60	2010	234	1500	5.18443	299.0131	8.676144	20.17	33.94	23.92	30.52	23.23	22.99	-0.2435689
8/22/2010 16:00	20882	2_60	2010	234	1600	3.392583	304.6724	13.44455	19.55	37.65	17.42	39.37	23.37	22.3	-1.069564
8/22/2010 17:00	20883	2_60	2010	234	1700	0.8649094	201.032	29.02685	1.951	21.21	4.111	19.25	23.53	22.9	-0.622585
8/22/2010 18:00	20884	2_60	2010	234	1800	0.9538799	177.3741	18.40294	0.778	7.305	0.947	5.434	23.97	23.47	-0.4947576
8/22/2010 19:00	20885	2_60	2010	234	1900	2.503902	137.4605	29.29413	-0.179	41.38	6.487	43.45	24.97	25.34	0.3651446
8/22/2010 20:00	20886	2_60	2010	234	2000	3.578586	154.5792	30.50934	6.261	84.2	19.98	89.3	25.62	25.67	0.04996165
8/22/2010 21:00	20887	2_60	2010	234	2100	4.817817	164.2268	18.57831	-5.129	68.29	16.11	76.38	25.45	25.54	0.09149841
8/22/2010 22:00	20888	2_60	2010	234	2200	3.478632	142.1126	39.99017	8.7	61.47	18.89	66.19	24.64	25.12	0.4777567
8/22/2010 23:00	20889	2_60	2010	234	2300	2.189987	153.2827	37.58595	5.426	38.64	8.58	41.39	22.34	24	1.658808
8/23/2010 0:00	20890	2_60	2010	235	0	1.460563	235.5969	38.91166	11.2	27.57	11.97	26.22	21.48	22.94	1.45543
8/23/2010 1:00	20891	2_60	2010	235	100	1.86231	301.8129	30.19191	9.03	17.16	5.556	15.4	21.14	22.55	1.405282
8/23/2010 2:00	20892	2_60	2010	235	200	1.927618	103.6275	27.45179	8.21	22.27	5.017	20.81	20.21	22.62	2.407342
8/23/2010 3:00	20893	2_60	2010	235	300	1.40225	182.4185	43.56375	4.213	10.76	4.688	11.59	19.37	22.1	2.723555
8/23/2010 4:00	20894	2_60	2010	235	400	0.8346701	148.7554	41.92569	-0.163	7.604	-0.108	5.888	19.28	21.63	2.35042
8/23/2010 5:00	20895	2_60	2010	235	500	0.848039	297.3279	43.97396	0.045	7.802	0.042	3.883	18.45	21.01	2.55309
8/23/2010 6:00	20896	2_60	2010	235	600	1.128956	246.2631	37.20082	5.018	13.88	4.828	11.7	18.36	20.25	1.891879
8/23/2010 7:00	20897	2_60	2010	235	700	0.8979092	76.01583	54.62431	0.183	6.28	0.123	6.282	19.24	20.16	0.918799
8/23/2010 8:00	20898	2_60	2010	235	800	0.8863514	337.9608	36.29272	2.805	16.77	2.7	13.36	21.38	20.88	-0.4950296
8/23/2010 9:00	20899	2_60	2010	235	900	0.8847631	15.03825	35.02456	-13.14	36.53	-13.66	32.67	22.84	22.17	-0.6751748
8/23/2010 10:00	20900	2_60	2010	235	1000	1.320701	10.27796	44.18894	3.532	44.86	-0.069	42.55	24.59	23.76	-0.8365035
8/23/2010 11:00	20901	2_60	2010	235	1100	1.272515	355.4484	55.70756	12.29	54.64	9.3	54.95	26.06	25.06	-1.007375
8/23/2010 12:00	20902	2_60	2010	235	1200	1.567826	140.5896	38.67432	-2.53	49.6	1.303	52.06	27.21	25.99	-1.215801
8/23/2010 13:00	20903	2_60	2010	235	1300	1.651226	286.8131	36.48143	4.436	41.02	5.686	41.16	27.55	26.67	-0.8858868
8/23/2010 14:00	20904	2_60	2010	235	1400	2.161569	4.896734	33.9428	17.47	42.33	11.34	44.97	28.27	27.19	-1.082934
8/23/2010 15:00	20905	2_60	2010	235	1500	1.765087	47.56942	40.2011	16.28	44.61	8.43	46.64	28.85	27.7	-1.14497
8/23/2010 16:00	20906	2_60	2010	235	1600	2.330617	8.589348	34.76672	10.01	46.67	5.06	50.2	29.62	28.43	-1.194904
8/23/2010 17:00	20907	2_60	2010	235	1700	5.760863	334.2924	12.44286	35.57	41.28	24.86	51.26	29.61	28.7	-0.9049326
8/23/2010 18:00	20908	2_60	2010	235	1800	5.185891	337.3277	14.63247	40.06	37.8	30.64	44.1	28.92	28.54	-0.380511
8/23/2010 19:00	20909	2_60	2010	235	1900	4.159874	299.3493	10.44052	25.36	25.7	20.49	26.59	25.16	27.12	1.956946
8/23/2010 20:00	20910	2_60	2010	235	2000	2.643679	291.6896	9.913756	11.1	18.13	6.603	12.73	22.58	25.67	3.080385
8/23/2010 21:00	20911	2_60	2010	235	2100	1.660492	256.1087	61.33604	3.34	11.7	7.754	16.26	19.99	24.47	4.476482
8/23/2010 22:00	20912	2_60	2010	235	2200	1.290038	208.5841	29.42786	3.881	11.4	8.43	14.23	19.28	23.68	4.398517
8/23/2010 23:00	20913	2_60	2010	235	2300	1.696086	293.9507	32.10273	7.097	13.08	4.59	11.09	18.86	23.55	4.692469

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/21/2010 0:00	20842	2_60	2010	233	0	56.18	62.53	24.6	0.007	4.13	149.9	2331	13.22
8/21/2010 1:00	20843	2_60	2010	233	100	60.02	60.46	24.6	0.005	5.53	120.7	100	13.25
8/21/2010 2:00	20844	2_60	2010	233	200	61.25	59.89	24.6	0.006	5.871	120.4	100	13.26
8/21/2010 3:00	20845	2_60	2010	233	300	68.92	57.92	24.6	0.01	4.54	134.1	255	13.28
8/21/2010 4:00	20846	2_60	2010	233	400	69.16	57.72	24.61	0.017	5.359	120.3	354	13.29
8/21/2010 5:00	20847	2_60	2010	233	500	74.28	55.85	24.62	0.02	5.564	120.2	404	13.3
8/21/2010 6:00	20848	2_60	2010	233	600	71.15	57.13	24.63	9.33	5.632	104.1	502	13.3
8/21/2010 7:00	20849	2_60	2010	233	700	76.56	57.93	24.66	66.75	3.891	305.5	645	13.28
8/21/2010 8:00	20850	2_60	2010	233	800	67.56	59.79	24.67	214.6	2.15	339.3	700	13.27
8/21/2010 9:00	20851	2_60	2010	233	900	47.33	68.22	24.67	523.8	2.253	324.8	851	13.21
8/21/2010 10:00	20852	2_60	2010	233	1000	39.94	72.58	24.67	694.9	2.628	312.2	917	13.13
8/21/2010 11:00	20853	2_60	2010	233	1100	33.98	77.35	24.66	826	2.321	22.25	1050	13.06
8/21/2010 12:00	20854	2_60	2010	233	1200	28.01	81.9	24.64	902	3.14	7.619	1159	13.01
8/21/2010 13:00	20855	2_60	2010	233	1300	21.87	85.5	24.62	936	4.642	60.51	1251	12.97
8/21/2010 14:00	20856	2_60	2010	233	1400	18.35	87.6	24.6	737.3	4.164	3.861	1335	12.94
8/21/2010 15:00	20857	2_60	2010	233	1500	19.02	86.7	24.6	344.3	8.64	178.4	1405	12.93
8/21/2010 16:00	20858	2_60	2010	233	1600	18.46	87.9	24.58	476.5	6.895	137.8	1545	12.94
8/21/2010 17:00	20859	2_60	2010	233	1700	19.45	88	24.57	422.8	8.26	165	1638	12.94
8/21/2010 18:00	20860	2_60	2010	233	1800	17.87	88.8	24.56	251.2	7.066	161.7	1757	12.93
8/21/2010 19:00	20861	2_60	2010	233	1900	21.3	83	24.57	55.34	7.748	198.5	1801	12.95
8/21/2010 20:00	20862	2_60	2010	233	2000	28.62	75.7	24.58	0.643	5.905	200.8	1950	13.01
8/21/2010 21:00	20863	2_60	2010	233	2100	28.22	74.57	24.6	0.001	6.588	183.2	2059	13.06
8/21/2010 22:00	20864	2_60	2010	233	2200	25.32	75.82	24.6	0.004	7.987	180	2139	13.09
8/21/2010 23:00	20865	2_60	2010	233	2300	30.16	72.3	24.61	0.01	5.734	188.7	2204	13.11
8/22/2010 0:00	20866	2_60	2010	234	0	36.06	68.89	24.61	0.015	2.389	212.4	2323	13.14
8/22/2010 1:00	20867	2_60	2010	234	100	41.46	66.47	24.61	0.015	1.434	189.9	48	13.18
8/22/2010 2:00	20868	2_60	2010	234	200	43.24	65.65	24.61	0.019	2.048	111.5	110	13.2
8/22/2010 3:00	20869	2_60	2010	234	300	49.78	63.11	24.61	0.006	1.946	298.9	202	13.22
8/22/2010 4:00	20870	2_60	2010	234	400	50.61	62.91	24.62	0.007	2.389	111.1	334	13.23
8/22/2010 5:00	20871	2_60	2010	234	500	52.63	61.85	24.62	0.005	2.492	290.4	454	13.24
8/22/2010 6:00	20872	2_60	2010	234	600	59.62	59.42	24.63	5.925	2.219	273.3	500	13.26
8/22/2010 7:00	20873	2_60	2010	234	700	54.25	62.93	24.64	97.5	2.082	308.3	621	13.26
8/22/2010 8:00	20874	2_60	2010	234	800	47.43	67.41	24.65	228.5	2.15	299.6	737	13.21
8/22/2010 9:00	20875	2_60	2010	234	900	40.31	70.91	24.65	377.1	2.321	345.8	844	13.15
8/22/2010 10:00	20876	2_60	2010	234	1000	38.83	73.5	24.65	226.6	3.072	349	959	13.1
8/22/2010 11:00	20877	2_60	2010	234	1100	40.85	74.37	24.64	251.4	4.198	255.1	1054	13.08
8/22/2010 12:00	20878	2_60	2010	234	1200	32.42	80.1	24.62	562.6	5.257	312.7	1136	13.04
8/22/2010 13:00	20879	2_60	2010	234	1300	31.49	80.1	24.62	199.5	6.554	241.8	1256	13.02
8/22/2010 14:00	20880	2_60	2010	234	1400	45.18	76.32	24.62	158.1	8.81	252.6	1350	13.04
8/22/2010 15:00	20881	2_60	2010	234	1500	54.36	74.27	24.62	121.8	7.373	329	1445	13.06
8/22/2010 16:00	20882	2_60	2010	234	1600	58.09	74.93	24.61	445.6	7.373	328.6	1501	13.05
8/22/2010 17:00	20883	2_60	2010	234	1700	56.64	75.05	24.59	153.9	2.355	280.5	1601	13.04
8/22/2010 18:00	20884	2_60	2010	234	1800	55.24	75.78	24.57	125.3	2.287	100.4	1757	13.05
8/22/2010 19:00	20885	2_60	2010	234	1900	45.59	77.34	24.56	44.28	5.905	172.8	1849	13.04
8/22/2010 20:00	20886	2_60	2010	234	2000	38.45	78.41	24.57	0.187	11.3	167.3	1951	13.05
8/22/2010 21:00	20887	2_60	2010	234	2100	39.08	78.14	24.58	0.002	10.31	166.3	2042	13.06
8/22/2010 22:00	20888	2_60	2010	234	2200	42.5	76.89	24.59	0.004	10.82	144.3	2120	13.06
8/22/2010 23:00	20889	2_60	2010	234	2300	52.33	72.69	24.6	0.009	7.851	149.6	2239	13.08
8/23/2010 0:00	20890	2_60	2010	235	0	57	71	24.6	0.013	4.471	323.9	2300	13.1
8/23/2010 1:00	20891	2_60	2010	235	100	59.53	70.26	24.61	0.018	4.471	317.9	32	13.11
8/23/2010 2:00	20892	2_60	2010	235	200	61.67	69	24.61	0.021	4.437	49.92	128	13.13
8/23/2010 3:00	20893	2_60	2010	235	300	66.01	67.18	24.62	0.019	3.686	218.8	224	13.15
8/23/2010 4:00	20894	2_60	2010	235	400	66.14	67.2	24.63	0.018	2.082	195.8	336	13.16
8/23/2010 5:00	20895	2_60	2010	235	500	70.51	65.57	24.64	0.02	1.911	156.2	419	13.17
8/23/2010 6:00	20896	2_60	2010	235	600	72.09	65.41	24.66	2.656	3.755	287.8	514	13.19
8/23/2010 7:00	20897	2_60	2010	235	700	70.56	67.32	24.68	96.1	2.253	62.99	635	13.18
8/23/2010 8:00	20898	2_60	2010	235	800	60.13	72.01	24.69	206.5	2.458	249.5	700	13.14
8/23/2010 9:00	20899	2_60	2010	235	900	53.31	75.6	24.69	502.5	2.901	43.66	856	13.1
8/23/2010 10:00	20900	2_60	2010	235	1000	48.49	77.85	24.69	550.4	3.209	8.22	912	13.04
8/23/2010 11:00	20901	2_60	2010	235	1100	43.24	80.6	24.69	712.9	3.413	2.829	1015	13.01
8/23/2010 12:00	20902	2_60	2010	235	1200	34.35	82	24.67	587.2	3.686	135.5	1109	12.98
8/23/2010 13:00	20903	2_60	2010	235	1300	31.92	82.8	24.66	465.9	4.471	309.7	1223	12.97
8/23/2010 14:00	20904	2_60	2010	235	1400	31.02	84	24.66	556.5	4.608	35.26	1347	12.97
8/23/2010 15:00	20905	2_60	2010	235	1500	28.9	85	24.65	647	5.188	41.37	1429	12.95
8/23/2010 16:00	20906	2_60	2010	235	1600	25.14	86.3	24.64	596	6.588	350.2	1542	12.94
8/23/2010 17:00	20907	2_60	2010	235	1700	18.34	85.8	24.63	351.6	9.52	319.5	1643	12.94
8/23/2010 18:00	20908	2_60	2010	235	1800	15.37	84.7	24.64	241.9	8.43	336.6	1734	12.94
8/23/2010 19:00	20909	2_60	2010	235	1900	18.96	78.46	24.64	53.77	7.782	327.9	1805	12.97
8/23/2010 20:00	20910	2_60	2010	235	2000	21.7	73.16	24.66	0.459	5.188	296	1907	13.04
8/23/2010 21:00	20911	2_60	2010	235	2100	27.27	68.59	24.68	0.004	4.233	221.9	2051	13.11
8/23/2010 22:00	20912	2_60	2010	235	2200	27.87	67.11	24.69	0.009	2.56	231.8	2101	13.16
8/23/2010 23:00	20913	2_60	2010	235	2300	28.16	66.63	24.7	0.011	4.028	339.2	2214	13.19

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
8/24/2010 0:00	20914	2_60	2010	236	0	1.556956	265.4247	28.28615	4.51	11.53	2.717	6.836	18.17	22.85	4.679645
8/24/2010 1:00	20915	2_60	2010	236	100	0.9357326	226.0364	20.03689	4.987	10.81	7.088	14.01	16.57	22.33	5.760841
8/24/2010 2:00	20916	2_60	2010	236	200	0.9962329	147.3512	21.9754	-0.255	4.463	0.24	3.958	16.71	21.57	4.867256
8/24/2010 3:00	20917	2_60	2010	236	300	1.011025	220.9613	31.0043	2.036	7.694	2.662	7.928	16.31	20.76	4.447487
8/24/2010 4:00	20918	2_60	2010	236	400	0.7576492	275.1521	34.71947	-0.188	3.489	-0.25	0.343	15.89	20.11	4.223912
8/24/2010 5:00	20919	2_60	2010	236	500	0.97783	179.1301	20.07452	0.347	3.657	0.669	4.564	15.13	19.42	4.283867
8/24/2010 6:00	20920	2_60	2010	236	600	0.8885482	246.3291	32.35851	1.162	6.702	1.307	5.763	15.23	18.61	3.377232
8/24/2010 7:00	20921	2_60	2010	236	700	2.765192	289.2079	7.611428	8.83	19.46	9.29	12.89	13.97	15.51	1.544637
8/24/2010 8:00	20922	2_60	2010	236	800	0.8688078	329.1865	26.58809	8.07	19.12	5.97	16.41	16.52	15.97	-0.5491171
8/24/2010 9:00	20923	2_60	2010	236	900	0.5810591	51.62538	28.32148	2.584	29.9	1.647	28.18	19.7	19.06	-0.6448346
8/24/2010 10:00	20924	2_60	2010	236	1000	0.9996775	345.5232	35.71561	5.89	43.8	2.059	42.35	22.49	21.69	-0.7926553
8/24/2010 11:00	20925	2_60	2010	236	1100	1.273283	297.4805	37.6036	-1.367	52.27	-2.488	49.88	24.96	23.99	-0.9768137
8/24/2010 12:00	20926	2_60	2010	236	1200	1.690503	301.716	46.37429	8.54	49.12	7.702	47.36	26.91	25.72	-1.19437
8/24/2010 13:00	20927	2_60	2010	236	1300	2.686547	325.2057	32.94135	7.305	60.48	1.979	63.45	28.72	27.25	-1.474512
8/24/2010 14:00	20928	2_60	2010	236	1400	2.130278	311.0432	50.00905	11.47	64.39	9.88	63.79	29.69	28.42	-1.265286
8/24/2010 15:00	20929	2_60	2010	236	1500	3.406698	298.0248	24.04243	12.1	55.43	11.77	56.55	30.73	29.13	-1.595476
8/24/2010 16:00	20930	2_60	2010	236	1600	2.888672	299.0347	34.37331	4.756	49.54	3.01	51.53	30.89	29.67	-1.226938
8/24/2010 17:00	20931	2_60	2010	236	1700	2.816278	300.6308	30.07964	13.12	42.88	12.54	46.37	31.03	29.97	-1.064414
8/24/2010 18:00	20932	2_60	2010	236	1800	2.378516	323.0123	22.7428	17.84	30.22	10.81	31.98	30.3	29.84	-0.4649728
8/24/2010 19:00	20933	2_60	2010	236	1900	2.892165	304.2701	23.27695	10.02	22.01	10.61	20.13	26.66	28.54	1.874811
8/24/2010 20:00	20934	2_60	2010	236	2000	2.055907	284.9818	18.24836	6.278	15.72	5.876	13.38	24.3	27.14	2.835031
8/24/2010 21:00	20935	2_60	2010	236	2100	0.7639593	224.1633	42.6375	1.303	6.032	1.928	6.205	21.43	26.45	5.018009
8/24/2010 22:00	20936	2_60	2010	236	2200	1.695024	238.0386	19.31428	7.358	13.29	13.33	17.83	19.76	26.11	6.355968
8/24/2010 23:00	20937	2_60	2010	236	2300	3.0626	228.2148	49.26663	24.72	31.23	46.39	48.56	21.13	24.38	3.255068
8/25/2010 0:00	20938	2_60	2010	237	0	4.082368	220.175	31.67961	34.11	36.28	62.1	55.39	21.93	23.59	1.659713
8/25/2010 1:00	20939	2_60	2010	237	100	1.257207	347.6098	27.75475	4.548	22.76	2.215	20.38	20.44	22.2	1.762551
8/25/2010 2:00	20940	2_60	2010	237	200	1.01939	128.4727	38.3935	-1.016	8.31	0.381	6.238	18.46	21.42	2.956663
8/25/2010 3:00	20941	2_60	2010	237	300	0.7582686	141.7385	32.14421	0.225	7.369	0.246	5.055	17.49	20.66	3.163404
8/25/2010 4:00	20942	2_60	2010	237	400	1.419624	173.2893	16.28238	2.011	9.3	4.463	10.13	18.04	20.66	2.624169
8/25/2010 5:00	20943	2_60	2010	237	500	1.655119	297.5149	26.13829	8.26	15.59	4.219	13.24	16.19	19.6	3.405555
8/25/2010 6:00	20944	2_60	2010	237	600	1.038698	289.4669	23.90685	0.652	5.893	1.324	4.926	16.83	18.57	1.749051
8/25/2010 7:00	20945	2_60	2010	237	700	0.9591954	141.0778	26.91642	4.259	9.49	5.953	11.99	16.66	18.39	1.729239
8/25/2010 8:00	20946	2_60	2010	237	800	0.8821984	319.4818	21.28848	4.848	20.56	3.707	15.73	19.55	19.07	-0.4817014
8/25/2010 9:00	20947	2_60	2010	237	900	0.6422457	29.15777	44.27721	6.202	39.14	5.146	36.23	21.46	20.67	-0.7916777
8/25/2010 10:00	20948	2_60	2010	237	1000	1.01444	25.66925	52.77117	-3.673	57.07	-6.136	54.89	23.13	22.21	-0.9146276
8/25/2010 11:00	20949	2_60	2010	237	1100	1.446766	354.4754	39.37491	1.207	55.57	-3.411	54.42	25.02	23.92	-1.099098
8/25/2010 12:00	20950	2_60	2010	237	1200	1.705892	3.906269	46.42044	2.402	66.15	-4.172	65.86	26.63	25.37	-1.263257
8/25/2010 13:00	20951	2_60	2010	237	1300	2.071485	324.088	45.94471	18.25	58.07	12.84	60.17	28.1	26.74	-1.35852
8/25/2010 14:00	20952	2_60	2010	237	1400	1.837391	285.4139	55.29175	28.4	58.71	29.64	57.57	29.73	28.36	-1.36494
8/25/2010 15:00	20953	2_60	2010	237	1500	2.200143	291.6226	42.17455	10.85	55.27	9.22	54.41	30.33	29.01	-1.319772
8/25/2010 16:00	20954	2_60	2010	237	1600	1.736556	288.8051	42.66372	-2.786	48.5	-4.148	47.4	30.66	29.52	-1.136998
8/25/2010 17:00	20955	2_60	2010	237	1700	1.687059	266.7112	25.63685	4.729	30.79	9.27	29.37	30.87	29.94	-0.9334443
8/25/2010 18:00	20956	2_60	2010	237	1800	1.579038	211.9384	11.88733	0.542	17.03	5.575	17.05	29.8	29.78	-0.01256956
8/25/2010 19:00	20957	2_60	2010	237	1900	1.595903	213.4321	6.416834	1.317	4.561	6.23	9.29	25.31	29.15	3.842448
8/25/2010 20:00	20958	2_60	2010	237	2000	3.326964	236.6145	27.262	6.461	34.64	27.33	44.11	24.32	28.32	4.002269
8/25/2010 21:00	20959	2_60	2010	237	2100	1.331429	260.6856	28.56701	0.181	17.79	0.771	17.16	23.64	26.69	3.051584
8/25/2010 22:00	20960	2_60	2010	237	2200	1.075823	106.0488	40.79394	1.285	9.28	1.24	7.422	21.88	25.07	3.192013
8/25/2010 23:00	20961	2_60	2010	237	2300	1.532892	131.0836	25.18256	0.575	19.16	0.867	19.5	20.8	25.04	4.235457
8/26/2010 0:00	20962	2_60	2010	238	0	1.011508	313.1411	43.84101	0.418	5.132	-0.41	3.907	19.83	23.84	4.012888
8/26/2010 1:00	20963	2_60	2010	238	100	1.087059	282.0596	30.9547	0.369	12.38	0.622	8.96	18.62	21.3	2.676944
8/26/2010 2:00	20964	2_60	2010	238	200	2.137302	167.1262	43.53189	1.543	16.94	8.09	20.7	17.81	21.28	3.476195
8/26/2010 3:00	20965	2_60	2010	238	300	0.8638265	198.089	27.32934	0.603	6.778	0.529	4.362	17.07	20.62	3.547422
8/26/2010 4:00	20966	2_60	2010	238	400	1.04644	280.5585	57.73696	1.237	11.41	1.533	9.21	15.9	18.91	3.013914
8/26/2010 5:00	20967	2_60	2010	238	500	0.9310672	243.1956	22.17179	1.046	5.082	0.234	2.721	14.9	17.93	3.034835
8/26/2010 6:00	20968	2_60	2010	238	600	1.193835	280.8121	13.71243	-0.837	9.29	1.062	4.884	14.87	16.9	2.038
8/26/2010 7:00	20969	2_60	2010	238	700	0.8467033	102.7302	37.49492	-1.736	11.25	-1.341	10.36	15.84	18.01	2.174644
8/26/2010 8:00	20970	2_60	2010	238	800	1.225895	49.66952	30.89214	10.21	26.28	5.976	23.46	19.87	19.53	-0.3445098
8/26/2010 9:00	20971	2_60	2010	238	900	1.160131	335.0157	32.91433	5.446	35.14	2.977	32.21	21.86	21.17	-0.6938802
8/26/2010 10:00	20972	2_60	2010	238	1000	0.8711947	344.1623	53.34716	0.488	44.19	-1.958	42.77	23.61	22.82	-0.7910744
8/26/2010 11:00	20973	2_60	2010	238	1100	1.339473	0.04335129	37.42665	13.49	54.15	9.21	54.58	26.3	25.31	-0.9930569
8/26/2010 12:00	20974	2_60	2010	238	1200	1.444432	42.41896	45.62405	-2.254	60.41	-6.03	62.3	28.77	27.52	-1.256228
8/26/2010 13:00	20975	2_60	2010	238	1300	2.134834	359.377	38.48422	12.13	72.04	5.361	72.47	30.11	28.83	-1.273926
8/26/2010 14:00	20976	2_60	2010	238	1400	3.117534	353.6685	33.89412	17.11	55.16	8.03	59.22	31.2	29.71	-1.486589
8/26/2010 15:00	20977	2_60	2010	238	1500	2.536468	338.4148	45.06746	8.68	58.52	2.498	62.33	31.51	30.17	-1.332892
8/26/2010 16:00	20978	2_60	2010	238	1600	1.899374	241.189	52.40982	15.02	49.44	18.82	49.71	31.92	30.67	-1.246493
8/26/2010 17:00	20979	2_60	2010	238	1700	1.544556	348.5068	42.77627	6.476	35	3.531	34.7	31.93	31.07	-0.8579378
8/26/2010 18:00	20980	2_60	2010	238	1800	1.204678	163.1936	61.18003	8.05	28.17	10.59	26.63	31.13	30.87	-0.2589931
8/26/2010 19:00	20981	2_60	2010	238	1900	3.125312	193.3014	7.622657	4.24	14.6	23.84	20.72	27.16	30.33	3.164108
8/26/2010 20:00	20982	2_60	2010	238	2000	5.901519	196.7929	3.420581	15.87	14.84	67.44	19.03	25.98	29.22	3.240592
8/26/2010 21:00	20983	2_60	2010	238	2100	6.840412	198.1646	5.093493	22.75	23.65	83.7	28.7	26.65	28.34	1.69408
8/26/2010 22:00	20984	2_60	2010	238	2200	3.218531	146.7247	17.87251	11.14	25.58	26.73	39.67	23.96	26.84	2.871602
8/26/2010 23:00	20985	2_60	2010	238	2300	2.28704	154.5631	30.41231	4.405	19.6	11.59	23.47	21.48	24.71	3.23366

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/24/2010 0:00	20914	2_60	2010	236	0	31.17	65.22	24.71	0.009	3.277	290.5	2328	13.21
8/24/2010 1:00	20915	2_60	2010	236	100	34.3	62.39	24.71	0.006	2.355	228.6	4	13.23
8/24/2010 2:00	20916	2_60	2010	236	200	32.79	62.4	24.71	0.007	1.911	158.3	128	13.25
8/24/2010 3:00	20917	2_60	2010	236	300	33.15	61.77	24.71	0.003	2.048	174.2	211	13.26
8/24/2010 4:00	20918	2_60	2010	236	400	33.98	61.23	24.72	0.004	1.434	242.3	325	13.27
8/24/2010 5:00	20919	2_60	2010	236	500	36.28	59.65	24.73	0.004	1.98	214.5	450	13.28
8/24/2010 6:00	20920	2_60	2010	236	600	35.75	60.01	24.75	4.07	3.379	300	559	13.29
8/24/2010 7:00	20921	2_60	2010	236	700	48.29	58.51	24.77	118.6	4.437	294.1	647	13.29
8/24/2010 8:00	20922	2_60	2010	236	800	42.39	64.12	24.77	318.1	2.15	248.4	703	13.25
8/24/2010 9:00	20923	2_60	2010	236	900	31.39	70.2	24.77	518.8	2.116	48.64	849	13.18
8/24/2010 10:00	20924	2_60	2010	236	1000	25.71	74.58	24.76	691.9	3.482	300.2	948	13.11
8/24/2010 11:00	20925	2_60	2010	236	1100	18.66	79.09	24.75	822	3.209	294.5	1052	13.05
8/24/2010 12:00	20926	2_60	2010	236	1200	20.07	81.9	24.73	898	4.198	346.4	1159	12.98
8/24/2010 13:00	20927	2_60	2010	236	1300	16.04	84.7	24.72	913	5.632	318	1246	12.97
8/24/2010 14:00	20928	2_60	2010	236	1400	15.59	86.6	24.7	870	6.042	253.3	1352	12.95
8/24/2010 15:00	20929	2_60	2010	236	1500	16.53	88.4	24.68	769.8	6.793	288.2	1405	12.93
8/24/2010 16:00	20930	2_60	2010	236	1600	16.85	88.8	24.66	621.8	6.212	296.9	1513	12.92
8/24/2010 17:00	20931	2_60	2010	236	1700	17.02	89.1	24.65	435	5.803	304	1610	12.91
8/24/2010 18:00	20932	2_60	2010	236	1800	18.24	88.3	24.65	235.4	6.417	3.655	1759	12.92
8/24/2010 19:00	20933	2_60	2010	236	1900	22.12	81	24.66	50.34	6.042	354.1	1800	12.95
8/24/2010 20:00	20934	2_60	2010	236	2000	23.98	76.18	24.7	0.387	4.813	292.5	1901	13.01
8/24/2010 21:00	20935	2_60	2010	236	2100	29.08	71.01	24.72	0.001	2.185	228.8	2038	13.08
8/24/2010 22:00	20936	2_60	2010	236	2200	31.97	67.73	24.74	0.007	4.471	217.6	2158	13.13
8/24/2010 23:00	20937	2_60	2010	236	2300	28.29	70.54	24.75	0.01	7.066	200.4	2253	13.16
8/25/2010 0:00	20938	2_60	2010	237	0	33.63	71.9	24.76	0.021	7.373	196.1	2320	13.16
8/25/2010 1:00	20939	2_60	2010	237	100	32.26	69.02	24.77	0.019	2.697	296.4	5	13.16
8/25/2010 2:00	20940	2_60	2010	237	200	45.33	65.72	24.78	0.017	2.15	202.9	101	13.18
8/25/2010 3:00	20941	2_60	2010	237	300	55.53	63.9	24.78	0.015	1.98	176.8	259	13.21
8/25/2010 4:00	20942	2_60	2010	237	400	52.78	64.95	24.79	0.009	2.935	195.9	348	13.22
8/25/2010 5:00	20943	2_60	2010	237	500	58.55	61.82	24.79	0.006	3.55	319	416	13.23
8/25/2010 6:00	20944	2_60	2010	237	600	55.68	62.76	24.81	3.648	2.628	255.1	559	13.24
8/25/2010 7:00	20945	2_60	2010	237	700	57.29	63.99	24.82	116.4	2.458	244.2	600	13.24
8/25/2010 8:00	20946	2_60	2010	237	800	46.92	69.42	24.82	311.3	2.15	266.7	752	13.19
8/25/2010 9:00	20947	2_60	2010	237	900	40.88	72.97	24.82	509.2	1.877	18.67	843	13.13
8/25/2010 10:00	20948	2_60	2010	237	1000	36.94	75.46	24.8	682.1	2.867	29.87	955	13.08
8/25/2010 11:00	20949	2_60	2010	237	1100	33.16	78.65	24.79	812	4.267	347.1	1047	13.03
8/25/2010 12:00	20950	2_60	2010	237	1200	30.77	81.2	24.77	889	5.018	321.1	1119	13
8/25/2010 13:00	20951	2_60	2010	237	1300	27.02	83.7	24.75	912	5.086	290.3	1230	12.97
8/25/2010 14:00	20952	2_60	2010	237	1400	17.4	87.1	24.73	884	4.267	331.2	1315	12.94
8/25/2010 15:00	20953	2_60	2010	237	1500	16.63	88	24.7	776.8	6.11	291	1440	12.92
8/25/2010 16:00	20954	2_60	2010	237	1600	15.01	88.8	24.69	627	5.939	325.9	1553	12.91
8/25/2010 17:00	20955	2_60	2010	237	1700	12.88	89.5	24.67	444.6	4.198	259.7	1638	12.91
8/25/2010 18:00	20956	2_60	2010	237	1800	16.83	86.5	24.67	234	2.423	215.5	1743	12.92
8/25/2010 19:00	20957	2_60	2010	237	1900	26.48	78.25	24.67	46.06	2.458	230.8	1855	12.95
8/25/2010 20:00	20958	2_60	2010	237	2000	25.44	76.13	24.68	0.299	6.11	233.3	1941	13.02
8/25/2010 21:00	20959	2_60	2010	237	2100	27.13	75.3	24.7	0.001	3.311	276.1	2000	13.07
8/25/2010 22:00	20960	2_60	2010	237	2200	32.07	71.85	24.71	0.005	3.209	61.47	2121	13.11
8/25/2010 23:00	20961	2_60	2010	237	2300	33.14	70.07	24.72	0.011	3.447	172.6	2227	13.14
8/26/2010 0:00	20962	2_60	2010	238	0	36.31	68.23	24.73	0.018	2.389	112.3	2300	13.16
8/26/2010 1:00	20963	2_60	2010	238	100	41.36	65.85	24.73	0.016	2.799	297.1	22	13.19
8/26/2010 2:00	20964	2_60	2010	238	200	45.03	64.52	24.74	0.016	5.769	123.4	132	13.21
8/26/2010 3:00	20965	2_60	2010	238	300	47.7	63.34	24.74	0.008	2.116	104.1	243	13.22
8/26/2010 4:00	20966	2_60	2010	238	400	52.15	61.33	24.74	0.007	3.106	296.4	306	13.24
8/26/2010 5:00	20967	2_60	2010	238	500	56.5	59.5	24.75	0.005	2.526	258.9	458	13.26
8/26/2010 6:00	20968	2_60	2010	238	600	57.36	59.31	24.76	3.35	3.038	292.1	509	13.28
8/26/2010 7:00	20969	2_60	2010	238	700	55.51	62.32	24.77	115.7	2.526	130.8	631	13.28
8/26/2010 8:00	20970	2_60	2010	238	800	40.74	70.3	24.77	314.5	2.526	87.4	710	13.21
8/26/2010 9:00	20971	2_60	2010	238	900	34.01	73.6	24.76	513.8	2.765	21.09	807	13.14
8/26/2010 10:00	20972	2_60	2010	238	1000	32.38	76.8	24.76	685.4	2.526	353.3	938	13.08
8/26/2010 11:00	20973	2_60	2010	238	1100	26.65	81.1	24.74	816	3.584	314.5	1023	13.03
8/26/2010 12:00	20974	2_60	2010	238	1200	21.82	85.2	24.71	893	3.994	8.74	1108	12.98
8/26/2010 13:00	20975	2_60	2010	238	1300	17.29	87.5	24.68	911	5.291	29.96	1244	12.95
8/26/2010 14:00	20976	2_60	2010	238	1400	13.61	89	24.66	876	6.622	13.04	1316	12.93
8/26/2010 15:00	20977	2_60	2010	238	1500	12.76	89.9	24.64	775.6	5.257	269.7	1414	12.91
8/26/2010 16:00	20978	2_60	2010	238	1600	12.72	90.9	24.62	626	4.608	254.3	1513	12.9
8/26/2010 17:00	20979	2_60	2010	238	1700	11.18	90.8	24.6	436.9	3.857	4.436	1622	12.9
8/26/2010 18:00	20980	2_60	2010	238	1800	13.41	89.3	24.58	232.5	2.765	178.6	1706	12.91
8/26/2010 19:00	20981	2_60	2010	238	1900	19.63	81.5	24.58	43.07	4.642	195.3	1859	12.94
8/26/2010 20:00	20982	2_60	2010	238	2000	20.96	79.09	24.59	0.178	7.714	201.5	1943	13
8/26/2010 21:00	20983	2_60	2010	238	2100	20.33	80.3	24.6	0.001	9.45	200.5	2018	13.04
8/26/2010 22:00	20984	2_60	2010	238	2200	24.81	76.01	24.61	0.005	7.202	190.1	2102	13.06
8/26/2010 23:00	20985	2_60	2010	238	2300	30.61	71.18	24.61	0.013	4.949	126.6	2201	13.1

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
8/27/2010 0:00	20986	2_60	2010	239	0	3.059456	159.7591	27.25891	6.194	17.52	17.25	21.71	21.09	24.48	3.384547
8/27/2010 1:00	20987	2_60	2010	239	100	1.714283	133.7469	19.78355	5.187	19.06	9.29	21.48	20	22.51	2.507491
8/27/2010 2:00	20988	2_60	2010	239	200	1.741597	153.0148	32.87333	2.282	18.85	6.273	21.35	18.86	21.91	3.045768
8/27/2010 3:00	20989	2_60	2010	239	300	1.069738	269.1508	30.61461	2.988	11.16	2.297	8.66	16.65	19.91	3.251744
8/27/2010 4:00	20990	2_60	2010	239	400	1.125883	128.8226	50.58165	2.47	11.1	3.538	11.13	15.13	18.84	3.709561
8/27/2010 5:00	20991	2_60	2010	239	500	0.8675258	264.8946	35.1341	1.183	7.055	1.88	5.73	14.71	18.7	3.993174
8/27/2010 6:00	20992	2_60	2010	239	600	0.912131	162.7436	27.10102	0.136	7.076	0.626	5.229	15.41	19.04	3.620694
8/27/2010 7:00	20993	2_60	2010	239	700	0.8761163	189.7445	40.6153	-0.191	10.15	0.437	7.757	17.09	18.75	1.667878
8/27/2010 8:00	20994	2_60	2010	239	800	1.217078	312.6514	23.32037	1.965	13.57	0.817	11.09	19.32	18.88	-0.4324525
8/27/2010 9:00	20995	2_60	2010	239	900	1.321354	309.5236	32.20552	5.742	33.6	4.231	30.88	21.58	20.86	-0.7185382
8/27/2010 10:00	20996	2_60	2010	239	1000	0.9884698	322.3687	47.75193	3.742	43.8	3.074	41.35	23.59	22.8	-0.7930586
8/27/2010 11:00	20997	2_60	2010	239	1100	1.474925	8.768394	58.47744	5.948	49.9	2.292	49.92	27.08	26.07	-1.009196
8/27/2010 12:00	20998	2_60	2010	239	1200	2.873964	198.3954	43.66145	3.419	55.85	18.34	59.87	29.55	28.16	-1.389975
8/27/2010 13:00	20999	2_60	2010	239	1300	3.489071	203.6288	40.1982	5.119	68.27	22.96	74.59	30.59	29.14	-1.448653
8/27/2010 14:00	21000	2_60	2010	239	1400	4.283293	199.3795	27.52886	5.286	65.33	28.01	71.37	31.04	29.54	-1.500761
8/27/2010 15:00	21001	2_60	2010	239	1500	4.826438	224.338	34.60767	8.84	77.45	35.41	87.1	31.37	29.83	-1.53793
8/27/2010 16:00	21002	2_60	2010	239	1600	4.607788	209.6974	36.18615	18.55	75.98	44.85	84.6	31.45	29.94	-1.507648
8/27/2010 17:00	21003	2_60	2010	239	1700	5.593653	171.9293	27.39034	8.31	79.98	38.48	90.4	30.65	29.65	-0.9984856
8/27/2010 18:00	21004	2_60	2010	239	1800	4.662011	185.6476	27.75841	-1.452	73.09	23.34	82.7	29.85	29.38	-0.4716662
8/27/2010 19:00	21005	2_60	2010	239	1900	3.703139	233.4892	26.20906	-2.493	68.45	16.43	72.89	28.61	28.67	0.0576655
8/27/2010 20:00	21006	2_60	2010	239	2000	2.804526	222.8699	29.18781	3.581	56.58	15.94	58.63	26.91	27.72	0.8127297
8/27/2010 21:00	21007	2_60	2010	239	2100	2.388044	205.7605	32.24163	-5.822	61.22	6.256	62.57	26.34	26.94	0.6066233
8/27/2010 22:00	21008	2_60	2010	239	2200	3.841249	233.7361	11.21822	7.891	30.85	30.64	35.58	23.89	25.88	1.985802
8/27/2010 23:00	21009	2_60	2010	239	2300	3.163684	217.8506	15.06149	6.593	12.5	29.39	17.93	20.8	24.67	3.87199
8/28/2010 0:00	21010	2_60	2010	240	0	2.055425	160.8537	48.22176	12.66	46.41	23.45	58.47	21.43	22.64	1.204874
8/28/2010 1:00	21011	2_60	2010	240	100	1.676795	130.3893	46.84299	12.16	31.48	17.18	33.76	21.7	22.61	0.9159339
8/28/2010 2:00	21012	2_60	2010	240	200	5.466806	188.7074	7.366412	35.23	22.26	81.7	24.17	22.14	23.04	0.8957323
8/28/2010 3:00	21013	2_60	2010	240	300	3.902106	162.2285	22.82282	12.86	40.22	35.09	50.15	22.35	22.91	0.5603022
8/28/2010 4:00	21014	2_60	2010	240	400	5.529021	182.7043	9.913234	14.68	25.49	54.39	32.55	21.93	22.56	0.6299871
8/28/2010 5:00	21015	2_60	2010	240	500	6.069905	183.0578	6.002964	12.62	30.99	55.02	38.03	21.46	22.07	0.6094632
8/28/2010 6:00	21016	2_60	2010	240	600	7.640636	191.7042	8.208829	8.05	47.84	63.33	57.43	21.36	21.46	0.09865817
8/28/2010 7:00	21017	2_60	2010	240	700	6.114512	185.9833	12.24696	4.995	57.64	43.71	67.79	21.45	21.38	-0.06595924
8/28/2010 8:00	21018	2_60	2010	240	800	7.32163	190.7312	17.95151	17.37	98.4	65.85	110.1	21.41	21.17	-0.2437377
8/28/2010 9:00	21019	2_60	2010	240	900	6.656485	218.0121	17.85716	22.1	86.8	68.32	99.2	21	20.85	-0.1488981
8/28/2010 10:00	21020	2_60	2010	240	1000	5.261038	229.2656	27.30956	3.151	86	31.11	94.1	21.8	21.32	-0.4776441
8/28/2010 11:00	21021	2_60	2010	240	1100	3.911695	224.4428	44.44527	13.26	83.9	33.68	91.5	22.6	21.86	-0.7327335
8/28/2010 12:00	21022	2_60	2010	240	1200	4.835056	175.0654	26.42064	0.868	48.52	23.79	55.47	21.7	21.45	-0.2482833
8/28/2010 13:00	21023	2_60	2010	240	1300	4.445227	284.6729	39.05703	18.86	41.34	22.8	42.41	19.43	19.24	-0.1863423
8/28/2010 14:00	21024	2_60	2010	240	1400	3.147402	302.4869	29.20064	10.19	25.3	5.643	26.22	AQ	AQ	AQ
8/28/2010 15:00	21025	2_60	2010	240	1500	2.591116	22.93901	58.6241	14.32	54.84	9.83	55.83	AQ	AQ	AQ
8/28/2010 16:00	21026	2_60	2010	240	1600	1.553289	39.51553	44.77874	5.413	44.42	4.165	45.08	AQ	AQ	AQ
8/28/2010 17:00	21027	2_60	2010	240	1700	6.382202	151.5967	16.46531	0.824	64.69	26.37	74.98	AQ	AQ	AQ
8/28/2010 18:00	21028	2_60	2010	240	1800	5.323391	148.6475	17.75741	0.924	66.69	22.72	73.98	AQ	AQ	AQ
8/28/2010 19:00	21029	2_60	2010	240	1900	4.339414	134.06	15.84776	-10.51	45.94	3.167	51.24	AQ	AQ	AQ
8/28/2010 20:00	21030	2_60	2010	240	2000	5.278987	134.7975	9.813501	-3.103	36.84	16.44	42.53	AQ	AQ	AQ
8/28/2010 21:00	21031	2_60	2010	240	2100	5.379257	128.4011	10.20801	-8.34	42.95	8.31	50.83	AQ	AQ	AQ
8/28/2010 22:00	21032	2_60	2010	240	2200	2.071236	127.7793	53.82633	-4.113	34.9	-0.737	36.68	AQ	AQ	AQ
8/28/2010 23:00	21033	2_60	2010	240	2300	2.648397	115.486	49.22116	15.53	52.11	22.13	56.07	AQ	AQ	AQ
8/29/2010 0:00	21034	2_60	2010	241	0	3.439721	87.7198	27.8319	-2.312	65.56	-4.718	70.71	AQ	AQ	AQ
8/29/2010 1:00	21035	2_60	2010	241	100	3.943706	93.82014	26.15685	7.482	68.11	8.89	73.09	AQ	AQ	AQ
8/29/2010 2:00	21036	2_60	2010	241	200	3.871275	105.4591	21.2632	9.49	65.73	14.5	73.08	AQ	AQ	AQ
8/29/2010 3:00	21037	2_60	2010	241	300	2.807938	84.07977	51.57618	6.469	51.11	2.33	53.14	AQ	AQ	AQ
8/29/2010 4:00	21038	2_60	2010	241	400	1.597978	92.1926	48.66869	6.819	35.99	5.45	36.55	AQ	AQ	AQ
8/29/2010 5:00	21039	2_60	2010	241	500	3.09793	74.72137	33.23367	7.818	55.42	0.594	58.09	AQ	AQ	AQ
8/29/2010 6:00	21040	2_60	2010	241	600	4.494039	138.0644	32.70964	-15.42	98.5	-0.505	103.2	AQ	AQ	AQ
8/29/2010 7:00	21041	2_60	2010	241	700	6.106831	150.2438	19.24899	-8.42	89.6	15.52	98.8	AQ	AQ	AQ
8/29/2010 8:00	21042	2_60	2010	241	800	4.921897	163.6488	36.84829	-26.01	118.2	-7.927	124	AQ	AQ	AQ
8/29/2010 9:00	21043	2_60	2010	241	900	4.190991	152.4987	63.88325	-15.52	135.4	-1.666	143.1	AQ	AQ	AQ
8/29/2010 10:00	21044	2_60	2010	241	1000	4.865149	192.0096	56.81049	13.16	124.6	34.11	132.5	AQ	AQ	AQ
8/29/2010 11:00	21045	2_60	2010	241	1100	5.993935	178.6279	42.95128	8.96	125.1	40.57	134.9	AQ	AQ	AQ
8/29/2010 12:00	21046	2_60	2010	241	1200	5.041792	179.7682	58.86123	0.294	128.2	25.97	137.6	AQ	AQ	AQ
8/29/2010 13:00	21047	2_60	2010	241	1300	6.86036	182.5607	54.90602	4.592	154.1	35.63	164.8	AQ	AQ	AQ
8/29/2010 14:00	21048	2_60	2010	241	1400	4.294329	173.9744	78.05858	23.68	149.2	40.2	154.1	AQ	AQ	AQ
8/29/2010 15:00	21049	2_60	2010	241	1500	5.674341	170.2358	53.72012	-0.088	165.1	25.61	175.1	AQ	AQ	AQ
8/29/2010 16:00	21050	2_60	2010	241	1600	4.867831	203.208	60.23393	3.954	136.7	27.16	146.3	AQ	AQ	AQ
8/29/2010 17:00	21051	2_60	2010	241	1700	6.379445	176.7643	43.09513	-0.177	120.4	27.29	131.9	AQ	AQ	AQ
8/29/2010 18:00	21052	2_60	2010	241	1800	6.981212	132.5887	11.50234	-1.848	59	23.07	69.72	AQ	AQ	AQ
8/29/2010 19:00	21053	2_60	2010	241	1900	6.202978	140.0949	13.36613	6.062	62.85	31	72.58	AQ	AQ	AQ
8/29/2010 20:00	21054	2_60	2010	241	2000	7.609289	137.3947	9.880045	4.357	54.78	36.79	66.22	AQ	AQ	AQ
8/29/2010 21:00	21055	2_60	2010	241	2100	6.424338	140.257	9.947824	0.678	40.14	26.88	47.98	AQ	AQ	AQ
8/29/2010 22:00	21056	2_60	2010	241	2200	4.905118	125.9276	11.70927	1.57	30.61	13.31	36.22	AQ	AQ	AQ
8/29/2010 23:00	21057	2_60	2010	241	2300	5.486949	106.7373	26.50956	-1.904	63.74	1.812	71.05	AQ	AQ	AQ

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/27/2010 0:00	20986	2_60	2010	239	0	31.22	70.69	24.61	0.014	6.485	128.6	2310	13.13
8/27/2010 1:00	20987	2_60	2010	239	100	34.22	68.44	24.6	0.018	4.062	174.3	15	13.16
8/27/2010 2:00	20988	2_60	2010	239	200	38.5	66.5	24.59	0.013	5.598	133.1	105	13.17
8/27/2010 3:00	20989	2_60	2010	239	300	45.12	62.75	24.59	0.006	3.072	268.7	230	13.2
8/27/2010 4:00	20990	2_60	2010	239	400	51.56	59.96	24.59	0.006	3.311	247.6	311	13.24
8/27/2010 5:00	20991	2_60	2010	239	500	53.51	59.07	24.59	0.006	2.765	273.5	422	13.26
8/27/2010 6:00	20992	2_60	2010	239	600	50.24	60.43	24.6	3.261	1.946	271.2	557	13.28
8/27/2010 7:00	20993	2_60	2010	239	700	47.48	63.87	24.61	114.6	2.833	140.7	629	13.27
8/27/2010 8:00	20994	2_60	2010	239	800	41.84	68.86	24.61	303.8	3.072	309.9	727	13.18
8/27/2010 9:00	20995	2_60	2010	239	900	34.02	72.95	24.59	462.2	3.584	326.4	853	13.13
8/27/2010 10:00	20996	2_60	2010	239	1000	30.72	76.59	24.58	647.7	2.901	284.7	902	13.08
8/27/2010 11:00	20997	2_60	2010	239	1100	22.42	82.4	24.55	821	4.233	109.8	1046	13.02
8/27/2010 12:00	20998	2_60	2010	239	1200	16.58	86	24.53	767	6.793	180.9	1154	12.98
8/27/2010 13:00	20999	2_60	2010	239	1300	14.67	87.9	24.5	879	9.73	166.7	1259	12.95
8/27/2010 14:00	21000	2_60	2010	239	1400	13.63	88.4	24.49	777.8	13.38	159.3	1308	12.93
8/27/2010 15:00	21001	2_60	2010	239	1500	12	89	24.46	741.2	14.17	190.1	1437	12.92
8/27/2010 16:00	21002	2_60	2010	239	1600	12.77	89.1	24.44	643.3	10	200.6	1517	12.92
8/27/2010 17:00	21003	2_60	2010	239	1700	13.02	87.5	24.43	418.2	13.38	162.6	1609	12.92
8/27/2010 18:00	21004	2_60	2010	239	1800	13.01	86.2	24.42	230.1	10.79	191.3	1742	12.94
8/27/2010 19:00	21005	2_60	2010	239	1900	14.02	84	24.42	33.69	8.33	260.9	1842	12.97
8/27/2010 20:00	21006	2_60	2010	239	2000	17.25	81	24.43	0.128	8.67	235.8	1900	13.01
8/27/2010 21:00	21007	2_60	2010	239	2100	19.57	79.76	24.44	0	5.803	200.8	2046	13.04
8/27/2010 22:00	21008	2_60	2010	239	2200	25.01	75.64	24.44	0.002	6.69	253.6	2136	13.07
8/27/2010 23:00	21009	2_60	2010	239	2300	32.85	70.03	24.44	0.014	4.779	225.3	2230	13.1
8/28/2010 0:00	21010	2_60	2010	240	0	31.68	70.9	24.44	0.016	6.144	175.3	2332	13.13
8/28/2010 1:00	21011	2_60	2010	240	100	32.49	71.48	24.43	0.028	4.915	194.8	50	13.14
8/28/2010 2:00	21012	2_60	2010	240	200	32.33	72.08	24.42	0.031	8.74	195.1	142	13.14
8/28/2010 3:00	21013	2_60	2010	240	300	32.27	72.6	24.42	0.03	7.817	208.4	207	13.13
8/28/2010 4:00	21014	2_60	2010	240	400	33.71	71.83	24.42	0.026	7.782	184.9	321	13.13
8/28/2010 5:00	21015	2_60	2010	240	500	35.6	70.95	24.42	0.024	9.86	189.8	448	13.13
8/28/2010 6:00	21016	2_60	2010	240	600	38.42	70.75	24.42	1.777	12.25	200	538	13.13
8/28/2010 7:00	21017	2_60	2010	240	700	39.31	70.89	24.43	26.67	11.03	185.1	600	13.13
8/28/2010 8:00	21018	2_60	2010	240	800	41.83	70.79	24.43	57.25	15.6	198.1	746	13.12
8/28/2010 9:00	21019	2_60	2010	240	900	45.26	70.11	24.44	58.17	11.61	244	858	13.13
8/28/2010 10:00	21020	2_60	2010	240	1000	45.19	71.54	24.45	224.3	11.4	218.9	919	13.13
8/28/2010 11:00	21021	2_60	2010	240	1100	43.9	73.16	24.45	291	8.74	268.8	1001	13.1
8/28/2010 12:00	21022	2_60	2010	240	1200	50.6	71.5	24.43 AQ		9.97	156.8	1118	13.09
8/28/2010 13:00	21023	2_60	2010	240	1300	71.57	67.54	24.42 AQ		8.57	222.6	1218	13.12
8/28/2010 14:00	21024	2_60	2010	240	1400	83.8	63.97	24.39 AQ		7.543	309.7	1301	13
8/28/2010 15:00	21025	2_60	2010	240	1500	75.96	67.07	24.38 AQ		6.519	184	1435	12.45
8/28/2010 16:00	21026	2_60	2010	240	1600	52.05	74.69	24.35 AQ		6.758	149.8	1557	12.47
8/28/2010 17:00	21027	2_60	2010	240	1700	35.68	77.34	24.32 AQ		11.78	144.3	1647	12.5
8/28/2010 18:00	21028	2_60	2010	240	1800	34.27	77.4	24.31 AQ		10.62	136.2	1707	12.51
8/28/2010 19:00	21029	2_60	2010	240	1900	34.79	75.78	24.31 AQ		7.646	170.3	1800	12.51
8/28/2010 20:00	21030	2_60	2010	240	2000	37.44	73.79	24.33 AQ		9.11	143.1	1955	12.49
8/28/2010 21:00	21031	2_60	2010	240	2100	37.26	73.11	24.34 AQ		8.64	133.8	2023	12.48
8/28/2010 22:00	21032	2_60	2010	240	2200	46.58	68.49	24.35 AQ		7.543	134.6	2108	12.47
8/28/2010 23:00	21033	2_60	2010	240	2300	48.24	65.86	24.36 AQ		8.23	81.6	2259	12.45
8/29/2010 0:00	21034	2_60	2010	241	0	33.87	71.41	24.37 AQ		8.94	119.3	2304	12.44
8/29/2010 1:00	21035	2_60	2010	241	100	36.11	70.58	24.37 AQ		10.24	109.4	2	12.44
8/29/2010 2:00	21036	2_60	2010	241	200	41.05	69.08	24.37 AQ		8.36	102.1	113	12.44
8/29/2010 3:00	21037	2_60	2010	241	300	47.72	66.55	24.38 AQ		7.066	86.6	207	12.44
8/29/2010 4:00	21038	2_60	2010	241	400	61.04	61.31	24.38 AQ		5.769	103.1	354	12.42
8/29/2010 5:00	21039	2_60	2010	241	500	55.67	64.98	24.4 AQ		7.475	95.2	447	12.41
8/29/2010 6:00	21040	2_60	2010	241	600	49.45	68.51	24.41 AQ		10.89	169	555	12.41
8/29/2010 7:00	21041	2_60	2010	241	700	50.07	68.97	24.43 AQ		14.1	142.3	626	12.43
8/29/2010 8:00	21042	2_60	2010	241	800	46.83	70.78	24.43 AQ		15.94	160.4	744	12.44
8/29/2010 9:00	21043	2_60	2010	241	900	40.56	72.66	24.44 AQ		14.27	165.8	810	12.45
8/29/2010 10:00	21044	2_60	2010	241	1000	36.25	74.17	24.43 AQ		18.09	168.4	932	12.46
8/29/2010 11:00	21045	2_60	2010	241	1100	34.67	73.91	24.43 AQ		16.11	168.1	1021	12.47
8/29/2010 12:00	21046	2_60	2010	241	1200	31.4	75.81	24.39 AQ		18.36	148.4	1159	12.47
8/29/2010 13:00	21047	2_60	2010	241	1300	25.54	78.32	24.38 AQ		18.91	136.4	1200	12.48
8/29/2010 14:00	21048	2_60	2010	241	1400	24.33	80.3	24.37 AQ		15.74	105.8	1344	12.48
8/29/2010 15:00	21049	2_60	2010	241	1500	22.35	81.1	24.36 AQ		20.07	162.3	1431	12.49
8/29/2010 16:00	21050	2_60	2010	241	1600	20.63	81.6	24.33 AQ		16.96	215.2	1538	12.49
8/29/2010 17:00	21051	2_60	2010	241	1700	22.88	79.76	24.35 AQ		17.48	160.2	1632	12.48
8/29/2010 18:00	21052	2_60	2010	241	1800	26.55	76.42	24.33 AQ		12.7	139.7	1714	12.47
8/29/2010 19:00	21053	2_60	2010	241	1900	27.81	75.45	24.34 AQ		11.88	122.7	1812	12.45
8/29/2010 20:00	21054	2_60	2010	241	2000	31.88	72.97	24.35 AQ		13.28	142.7	1915	12.43
8/29/2010 21:00	21055	2_60	2010	241	2100	32.19	71.84	24.37 AQ		9.73	132.9	2031	12.41
8/29/2010 22:00	21056	2_60	2010	241	2200	35.96	70.11	24.38 AQ		10.21	93.1	2153	12.4
8/29/2010 23:00	21057	2_60	2010	241	2300	35.26	71.28	24.37 AQ		13.35	147.4	2246	12.39

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
8/30/2010 0:00	21058	2_60	2010	242	0	3.660423	95.59449	46.79289	-10.49	73	-10.54	76.82	AQ	AQ	AQ
8/30/2010 1:00	21059	2_60	2010	242	100	3.507923	52.68808	53.50761	-3.05	78.2	-7.354	80.1	AQ	AQ	AQ
8/30/2010 2:00	21060	2_60	2010	242	200	2.136742	70.91786	57.20055	1.692	67.98	0.585	70.14	AQ	AQ	AQ
8/30/2010 3:00	21061	2_60	2010	242	300	2.097885	24.77299	62.32839	14.02	59.1	9.88	60.96	AQ	AQ	AQ
8/30/2010 4:00	21062	2_60	2010	242	400	2.845059	49.21469	37.72971	-14.6	69.56	-26.79	72.79	AQ	AQ	AQ
8/30/2010 5:00	21063	2_60	2010	242	500	3.471922	60.0982	70.5513	-14.23	113.7	-18.94	120.1	AQ	AQ	AQ
8/30/2010 6:00	21064	2_60	2010	242	600	2.979527	24.92738	79.50416	14.92	115.6	16.51	116.6	AQ	AQ	AQ
8/30/2010 7:00	21065	2_60	2010	242	700	3.405052	80.23481	62.75636	17.67	111.7	18.57	118.7	AQ	AQ	AQ
8/30/2010 8:00	21066	2_60	2010	242	800	4.891803	267.7978	60.78498	-6.228	158.9	6.161	154.9	AQ	AQ	AQ
8/30/2010 9:00	21067	2_60	2010	242	900	5.081808	253.5092	43.34311	-1.941	131.9	16.83	137.6	AQ	AQ	AQ
8/30/2010 10:00	21068	2_60	2010	242	1000	3.69103	253.235	80.49896	-16.02	140.8	-9.09	143.9	AQ	AQ	AQ
8/30/2010 11:00	21069	2_60	2010	242	1100	4.283408	160.4255	68.29129	-15.02	148	-5.302	152.2	AQ	AQ	AQ
8/30/2010 12:00	21070	2_60	2010	242	1200	5.924902	218.2179	62.08529	-7.032	185.9	17.77	190.3	AQ	AQ	AQ
8/30/2010 13:00	21071	2_60	2010	242	1300	6.706229	234.7812	44.37443	5.079	161.9	35.48	170.7	AQ	AQ	AQ
8/30/2010 14:00	21072	2_60	2010	242	1400	5.789826	260.3476	64.52909	-4.952	160	11.45	163.9	AQ	AQ	AQ
8/30/2010 15:00	21073	2_60	2010	242	1500	5.560733	239.5126	54.66454	3.183	142.3	28.35	150.5	AQ	AQ	AQ
8/30/2010 16:00	21074	2_60	2010	242	1600	6.244246	240.7355	51.90113	17.37	142.7	44.89	152.1	AQ	AQ	AQ
8/30/2010 17:00	21075	2_60	2010	242	1700	4.905262	248.8002	60.96046	0.305	134.6	18.22	140.4	AQ	AQ	AQ
8/30/2010 18:00	21076	2_60	2010	242	1800	5.165496	241.6997	49.26712	-1.83	107	22.76	114.5	AQ	AQ	AQ
8/30/2010 19:00	21077	2_60	2010	242	1900	3.085728	261.8771	70.26958	-18.96	117.5	-12.46	118	AQ	AQ	AQ
8/30/2010 20:00	21078	2_60	2010	242	2000	2.674281	81.90862	46.176	4.706	67.65	1.052	69.33	AQ	AQ	AQ
8/30/2010 21:00	21079	2_60	2010	242	2100	2.779806	106.1277	30.04741	-4.7	55.07	-3.129	58.86	AQ	AQ	AQ
8/30/2010 22:00	21080	2_60	2010	242	2200	2.317417	96.53345	45.68324	7.532	64.51	8.15	66	AQ	AQ	AQ
8/30/2010 23:00	21081	2_60	2010	242	2300	2.863012	95.51065	34.75943	-6.399	77.34	-5.221	81.9	AQ	AQ	AQ
8/31/2010 0:00	21082	2_60	2010	243	0	2.835361	79.83937	43.17655	-2.264	59.65	-5.717	60.35	AQ	AQ	AQ
8/31/2010 1:00	21083	2_60	2010	243	100	2.510217	55.40495	73.62768	-23.34	112	-22.61	110.7	AQ	AQ	AQ
8/31/2010 2:00	21084	2_60	2010	243	200	3.745353	151.8297	47.6362	-15.02	113.1	-0.157	119.2	AQ	AQ	AQ
8/31/2010 3:00	21085	2_60	2010	243	300	4.304167	167.9588	36.91203	-6.442	103.3	12.15	109.8	AQ	AQ	AQ
8/31/2010 4:00	21086	2_60	2010	243	400	5.405586	162.2948	32.59135	-16.06	144.4	9.02	155.1	AQ	AQ	AQ
8/31/2010 5:00	21087	2_60	2010	243	500	5.513714	171.538	27.98027	-2.889	112.8	24.43	120	AQ	AQ	AQ
8/31/2010 6:00	21088	2_60	2010	243	600	5.559556	188.0187	15.15605	-7.881	81.5	23.49	88.9	AQ	AQ	AQ
8/31/2010 7:00	21089	2_60	2010	243	700	6.378136	186.2341	13.8147	0.713	72.84	39.62	81.4	AQ	AQ	AQ
8/31/2010 8:00	21090	2_60	2010	243	800	7.361438	186.6161	8.338737	6.65	54.42	56.65	64.42	AQ	AQ	AQ
8/31/2010 9:00	21091	2_60	2010	243	900	4.018679	223.4554	28.46776	10.2	65.31	32.35	70.28	AQ	AQ	AQ
8/31/2010 10:00	21092	2_60	2010	243	1000	4.510817	209.4846	27.88309	-7.714	64.59	17.33	73.16	AQ	AQ	AQ
8/31/2010 11:00	21093	2_60	2010	243	1100	4.129524	211.9538	36.49578	3.357	92.7	26.6	97.1	AQ	AQ	AQ
8/31/2010 12:00	21094	2_60	2010	243	1200	4.582302	186.0582	33.92531	-15.65	78.33	5.119	85.1	AQ	AQ	AQ
8/31/2010 13:00	21095	2_60	2010	243	1300	4.48656	201.8414	36.30249	2.756	75.06	27.56	82.8	AQ	AQ	AQ
8/31/2010 14:00	21096	2_60	2010	243	1400	4.866432	190.3941	32.56542	3.561	73.83	28.05	81.8	AQ	AQ	AQ
8/31/2010 15:00	21097	2_60	2010	243	1500	5.002343	197.3387	29.50302	10.5	72.73	38.28	81.3	AQ	AQ	AQ
8/31/2010 16:00	21098	2_60	2010	243	1600	4.161041	197.3673	30.11835	6.457	74.16	29.2	78.2	AQ	AQ	AQ
8/31/2010 17:00	21099	2_60	2010	243	1700	3.527787	202.3008	33.66456	10.33	60.63	30.87	68.16	AQ	AQ	AQ
8/31/2010 18:00	21100	2_60	2010	243	1800	3.757727	205.377	38.62914	5.388	51.49	26.09	56.98	AQ	AQ	AQ
8/31/2010 19:00	21101	2_60	2010	243	1900	3.128941	189.3931	33.09425	-2.456	62.48	13.94	66.92	AQ	AQ	AQ
8/31/2010 20:00	21102	2_60	2010	243	2000	4.158097	185.0261	9.012252	4.132	31.92	31.27	37.68	AQ	AQ	AQ
8/31/2010 21:00	21103	2_60	2010	243	2100	4.395964	207.3132	8.209671	10.29	15.16	45.32	19.66	AQ	AQ	AQ
8/31/2010 22:00	21104	2_60	2010	243	2200	3.955918	255.0806	32.80352	11.59	22.18	37.45	38.67	AQ	AQ	AQ
8/31/2010 23:00	21105	2_60	2010	243	2300	0.887832	236.9764	34.02822	0.833	7.886	1.06	6.227	AQ	AQ	AQ
9/1/2010 0:00	21106	2_60	2010	244	0	0.9739634	201.5894	26.54436	0.138	4.387	0.623	5.184	AQ	AQ	AQ
9/1/2010 1:00	21107	2_60	2010	244	100	0.6621547	189.3413	34.70144	0.589	3.902	0.917	4.141	AQ	AQ	AQ
9/1/2010 2:00	21108	2_60	2010	244	200	0.8685516	261.0565	33.00798	2.002	7.802	3.286	9.11	AQ	AQ	AQ
9/1/2010 3:00	21109	2_60	2010	244	300	1.775863	278.4695	34.88977	1.471	14.81	2.945	13.28	AQ	AQ	AQ
9/1/2010 4:00	21110	2_60	2010	244	400	0.7467204	188.8405	23.76644	-0.312	0.731	-0.199	0.422	AQ	AQ	AQ
9/1/2010 5:00	21111	2_60	2010	244	500	0.7292316	271.8999	23.18671	-0.129	1.416	-0.204	0.559	AQ	AQ	AQ
9/1/2010 6:00	21112	2_60	2010	244	600	1.38245	219.2572	20.83809	2.882	7.948	1.533	6.965	AQ	AQ	AQ
9/1/2010 7:00	21113	2_60	2010	244	700	0.2953381	154.5877	33.29358	-0.23	2.156	-0.154	1.54	AQ	AQ	AQ
9/1/2010 8:00	21114	2_60	2010	244	800	0.8352377	312.4236	19.45821	3.512	22.83	2.643	20.36	AQ	AQ	AQ
9/1/2010 9:00	21115	2_60	2010	244	900	0.7446447	7.320829	41.41138	4.353	41.12	2.222	37.81	AQ	AQ	AQ
9/1/2010 10:00	21116	2_60	2010	244	1000	1.02815	321.423	41.22681	2.265	52.79	1.124	50.11	AQ	AQ	AQ
9/1/2010 11:00	21117	2_60	2010	244	1100	1.610234	339.6145	37.05719	5.369	53.8	-0.044	51.66	AQ	AQ	AQ
9/1/2010 12:00	21118	2_60	2010	244	1200	4.676906	278.6561	21.6352	4.046	61.56	12.33	65.58	AQ	AQ	AQ
9/1/2010 13:00	21119	2_60	2010	244	1300	3.574826	263.3063	44.27817	1.967	68.27	13.58	73.81	AQ	AQ	AQ
9/1/2010 14:00	21120	2_60	2010	244	1400	4.415907	287.1445	22.62338	7.824	62.31	11.46	66.51	AQ	AQ	AQ
9/1/2010 15:00	21121	2_60	2010	244	1500	4.695396	286.0563	28.82041	16.09	60.54	22.75	63.43	AQ	AQ	AQ
9/1/2010 16:00	21122	2_60	2010	244	1600	4.048038	275.9515	20.20591	0.526	53.76	7.712	56.32	AQ	AQ	AQ
9/1/2010 17:00	21123	2_60	2010	244	1700	5.189499	272.1233	11.22602	3.205	46.22	20.38	49.17	AQ	AQ	AQ
9/1/2010 18:00	21124	2_60	2010	244	1800	4.896886	275.3715	10.8184	5.161	37.82	18.85	39.11	AQ	AQ	AQ
9/1/2010 19:00	21125	2_60	2010	244	1900	4.311369	263.3534	7.817264	7.425	25.89	25.85	28.87	AQ	AQ	AQ
9/1/2010 20:00	21126	2_60	2010	244	2000	2.613869	267.0646	27.8636	14.01	28.74	23.81	36.73	AQ	AQ	AQ
9/1/2010 21:00	21127	2_60	2010	244	2100	2.018155	266.4821	17.60652	6.321	15.52	13.26	20.01	AQ	AQ	AQ
9/1/2010 22:00	21128	2_60	2010	244	2200	0.6075097	199.7485	21.76208	-0.448	1.716	-0.377	1.374	AQ	AQ	AQ
9/1/2010 23:00	21129	2_60	2010	244	2300	1.005595	213.533	19.02677	2.543	8.1	3.527	8.55	AQ	AQ	AQ

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
8/30/2010 0:00	21058	2_60	2010	242	0	36.03	71.24	24.37	AQ	11.09	131.1	2302	12.38
8/30/2010 1:00	21059	2_60	2010	242	100	39.57	70.14	24.39	AQ	10.96	146.7	59	12.37
8/30/2010 2:00	21060	2_60	2010	242	200	54.62	66.19	24.39	AQ	8.6	96.5	130	12.36
8/30/2010 3:00	21061	2_60	2010	242	300	61.57	63.77	24.4	AQ	5.086	351.4	254	12.34
8/30/2010 4:00	21062	2_60	2010	242	400	52.49	66.65	24.41	AQ	7.134	49.82	324	12.33
8/30/2010 5:00	21063	2_60	2010	242	500	47.1	67.66	24.43	AQ	11.71	135.9	445	12.33
8/30/2010 6:00	21064	2_60	2010	242	600	48.57	66.22	24.44	AQ	12.6	130.1	513	12.33
8/30/2010 7:00	21065	2_60	2010	242	700	49.9	66.13	24.46	AQ	12.83	141.6	633	12.33
8/30/2010 8:00	21066	2_60	2010	242	800	47.54	67.29	24.47	AQ	14.81	271.4	722	12.33
8/30/2010 9:00	21067	2_60	2010	242	900	43.2	67.9	24.48	AQ	15.74	250.9	828	12.34
8/30/2010 10:00	21068	2_60	2010	242	1000	33.26	69.96	24.48	AQ	12.49	206.8	918	12.34
8/30/2010 11:00	21069	2_60	2010	242	1100	23.63	71.52	24.47	AQ	15.91	164.4	1023	12.35
8/30/2010 12:00	21070	2_60	2010	242	1200	19.18	73.36	24.47	AQ	17.1	252.1	1142	12.35
8/30/2010 13:00	21071	2_60	2010	242	1300	16.71	74.68	24.45	AQ	17.2	234.2	1254	12.36
8/30/2010 14:00	21072	2_60	2010	242	1400	15.26	76.14	24.45	AQ	19.52	246.3	1329	12.36
8/30/2010 15:00	21073	2_60	2010	242	1500	16.76	77.95	24.44	AQ	17.24	238.8	1456	12.36
8/30/2010 16:00	21074	2_60	2010	242	1600	16.75	78.19	24.43	AQ	15.94	260.5	1547	12.37
8/30/2010 17:00	21075	2_60	2010	242	1700	18.88	78.04	24.43	AQ	14.06	239.9	1631	12.36
8/30/2010 18:00	21076	2_60	2010	242	1800	19.22	77.9	24.43	AQ	12.66	238	1742	12.35
8/30/2010 19:00	21077	2_60	2010	242	1900	19.34	76.85	24.43	AQ	11.33	254.8	1800	12.33
8/30/2010 20:00	21078	2_60	2010	242	2000	21.62	74.86	24.46	AQ	7.373	78.18	1907	12.31
8/30/2010 21:00	21079	2_60	2010	242	2100	23.84	73.34	24.48	AQ	9.63	120.5	2059	12.3
8/30/2010 22:00	21080	2_60	2010	242	2200	26.62	71.8	24.48	AQ	8.53	124.3	2106	12.28
8/30/2010 23:00	21081	2_60	2010	242	2300	26.56	71.86	24.5	AQ	6.861	124.1	2221	12.27
8/31/2010 0:00	21082	2_60	2010	243	0	28.66	70.49	24.51	AQ	7.646	108.9	2357	12.26
8/31/2010 1:00	21083	2_60	2010	243	100	30.23	70.22	24.53	AQ	8.64	238.2	44	12.25
8/31/2010 2:00	21084	2_60	2010	243	200	32.98	69.2	24.54	AQ	11.43	178.7	115	12.25
8/31/2010 3:00	21085	2_60	2010	243	300	34.76	68.42	24.55	AQ	12.08	182.9	249	12.24
8/31/2010 4:00	21086	2_60	2010	243	400	37.26	67.68	24.57	AQ	17.03	170.3	337	12.23
8/31/2010 5:00	21087	2_60	2010	243	500	39.8	66.71	24.58	AQ	15.09	162.4	412	12.23
8/31/2010 6:00	21088	2_60	2010	243	600	39.11	65.6	24.61	AQ	10.07	180.5	518	12.22
8/31/2010 7:00	21089	2_60	2010	243	700	38.97	66.08	24.62	AQ	10.38	180.5	610	12.21
8/31/2010 8:00	21090	2_60	2010	243	800	36.92	68.17	24.63	AQ	11.37	180.2	752	12.21
8/31/2010 9:00	21091	2_60	2010	243	900	30.18	70.92	24.63	AQ	9.35	216.2	854	12.22
8/31/2010 10:00	21092	2_60	2010	243	1000	23.48	72.56	24.63	AQ	9.11	219.8	908	12.23
8/31/2010 11:00	21093	2_60	2010	243	1100	22.5	74.52	24.62	AQ	10.99	239.8	1023	12.23
8/31/2010 12:00	21094	2_60	2010	243	1200	21.12	75.63	24.61	AQ	10.24	162.7	1103	12.24
8/31/2010 13:00	21095	2_60	2010	243	1300	19.58	77.63	24.59	AQ	10.1	197.7	1216	12.24
8/31/2010 14:00	21096	2_60	2010	243	1400	18.79	78.62	24.58	AQ	13.82	181.7	1314	12.25
8/31/2010 15:00	21097	2_60	2010	243	1500	17.22	79.85	24.57	AQ	11.09	166.5	1422	12.25
8/31/2010 16:00	21098	2_60	2010	243	1600	15.65	80.4	24.56	AQ	10.21	184.1	1526	12.25
8/31/2010 17:00	21099	2_60	2010	243	1700	16.04	79.91	24.56	AQ	8.43	209.2	1628	12.24
8/31/2010 18:00	21100	2_60	2010	243	1800	16	79.1	24.55	AQ	8.77	201.7	1713	12.23
8/31/2010 19:00	21101	2_60	2010	243	1900	16.13	76.48	24.56	AQ	9.32	160.5	1814	12.21
8/31/2010 20:00	21102	2_60	2010	243	2000	22.36	70.27	24.57	AQ	8.77	173	1904	12.19
8/31/2010 21:00	21103	2_60	2010	243	2100	25.8	67.06	24.58	AQ	6.007	196.3	2011	12.16
8/31/2010 22:00	21104	2_60	2010	243	2200	26.01	66.5	24.59	AQ	6.724	234.1	2127	12.14
8/31/2010 23:00	21105	2_60	2010	243	2300	29.24	62.91	24.6	AQ	2.458	66.6	2252	12.12
9/1/2010 0:00	21106	2_60	2010	244	0	31.97	60.43	24.6	AQ	2.253	252.8	2346	12.1
9/1/2010 1:00	21107	2_60	2010	244	100	32.84	59.26	24.6	AQ	1.638	227.8	2	12.08
9/1/2010 2:00	21108	2_60	2010	244	200	34.34	58.43	24.59	AQ	1.946	191.9	102	12.07
9/1/2010 3:00	21109	2_60	2010	244	300	38.87	56.22	24.61	AQ	3.618	305.3	213	12.05
9/1/2010 4:00	21110	2_60	2010	244	400	40.92	55.14	24.61	AQ	1.604	232.3	332	12.04
9/1/2010 5:00	21111	2_60	2010	244	500	42.87	54.52	24.62	AQ	1.57	294.6	430	12.02
9/1/2010 6:00	21112	2_60	2010	244	600	49.5	51.78	24.62	AQ	3.243	289.6	518	12.01
9/1/2010 7:00	21113	2_60	2010	244	700	46.22	55.18	24.63	AQ	1.297	187.8	619	11.98
9/1/2010 8:00	21114	2_60	2010	244	800	36.36	61.92	24.63	AQ	2.014	350.1	750	11.97
9/1/2010 9:00	21115	2_60	2010	244	900	30.76	66.64	24.63	AQ	2.389	340.3	837	12.04
9/1/2010 10:00	21116	2_60	2010	244	1000	27.45	70.3	24.62	AQ	2.662	257.3	929	12.07
9/1/2010 11:00	21117	2_60	2010	244	1100	22.1	75.64	24.6	AQ	4.369	327.7	1044	12.08
9/1/2010 12:00	21118	2_60	2010	244	1200	13.81	79.97	24.58	AQ	9.66	267.8	1148	12.1
9/1/2010 13:00	21119	2_60	2010	244	1300	12.55	82.2	24.56	AQ	8.5	274	1227	12.11
9/1/2010 14:00	21120	2_60	2010	244	1400	12.1	83.8	24.55	AQ	9.56	276.4	1313	12.12
9/1/2010 15:00	21121	2_60	2010	244	1500	11.93	84.8	24.54	AQ	10.44	309	1428	12.12
9/1/2010 16:00	21122	2_60	2010	244	1600	11.9	84.7	24.53	AQ	10.75	269.1	1508	12.12
9/1/2010 17:00	21123	2_60	2010	244	1700	11.56	84.4	24.52	AQ	8.98	271.4	1610	12.11
9/1/2010 18:00	21124	2_60	2010	244	1800	11.36	83	24.52	AQ	8.77	274	1732	12.1
9/1/2010 19:00	21125	2_60	2010	244	1900	14.53	75.48	24.53	AQ	7.407	290.4	1803	12.08
9/1/2010 20:00	21126	2_60	2010	244	2000	15.78	70.69	24.55	AQ	5.598	246.4	1901	12.05
9/1/2010 21:00	21127	2_60	2010	244	2100	18.16	69.5	24.56	AQ	4.813	265.4	2013	12.02
9/1/2010 22:00	21128	2_60	2010	244	2200	21.59	66.51	24.57	AQ	1.468	203.7	2132	12
9/1/2010 23:00	21129	2_60	2010	244	2300	23.06	65.1	24.57	AQ	1.98	213.7	2243	11.98

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/2/2010 0:00	21130	2_60	2010	245	0	0.8755773	185.679	36.94149	0.213	7.646	0.632	7.386	AQ	AQ	AQ
9/2/2010 1:00	21131	2_60	2010	245	100	0.9163085	183.421	32.01574	1.158	10.71	1.76	10.05	AQ	AQ	AQ
9/2/2010 2:00	21132	2_60	2010	245	200	0.758328	270.6963	49.6586	-0.1	7.451	0.096	4.463	AQ	AQ	AQ
9/2/2010 3:00	21133	2_60	2010	245	300	3.37837	136.521	16.16319	4.669	27.35	18.2	35.07	AQ	AQ	AQ
9/2/2010 4:00	21134	2_60	2010	245	400	1.222594	239.8075	37.9678	3.502	15.69	3.418	15.87	AQ	AQ	AQ
9/2/2010 5:00	21135	2_60	2010	245	500	0.732357	265.3448	41.4811	0.585	3.561	-0.176	0.853	AQ	AQ	AQ
9/2/2010 6:00	21136	2_60	2010	245	600	0.797497	232.9313	35.42947	0.725	6.834	1.128	6.232	AQ	AQ	AQ
9/2/2010 7:00	21137	2_60	2010	245	700	0.711421	284.924	29.498	0.836	12.06	0.529	10.98	AQ	AQ	AQ
9/2/2010 8:00	21138	2_60	2010	245	800	1.001214	275.4874	37.34256	4.231	19.56	4.426	17.71	AQ	AQ	AQ
9/2/2010 9:00	21139	2_60	2010	245	900	0.8290675	313.3871	46.27173	11.54	36.37	9.62	31.71	AQ	AQ	AQ
9/2/2010 10:00	21140	2_60	2010	245	1000	1.51193	296.074	25.91044	8.47	44.15	8.02	39.61	AQ	AQ	AQ
9/2/2010 11:00	21141	2_60	2010	245	1100	2.643022	300.5251	17.74561	4.422	48.4	1.11	48.54	AQ	AQ	AQ
9/2/2010 12:00	21142	2_60	2010	245	1200	1.930094	231.9874	45.01949	10.34	54.9	16.69	55.27	AQ	AQ	AQ
9/2/2010 13:00	21143	2_60	2010	245	1300	2.396464	333.3483	58.84923	10.32	71.99	3.962	74.68	AQ	AQ	AQ
9/2/2010 14:00	21144	2_60	2010	245	1400	2.057436	94.25842	44.27148	4.844	67.06	2.861	67.85	AQ	AQ	AQ
9/2/2010 15:00	21145	2_60	2010	245	1500	2.835419	274.4399	37.44903	6.47	48.01	10.51	48.38	AQ	AQ	AQ
9/2/2010 16:00	21146	2_60	2010	245	1600	2.157702	218.3704	44.31985	9.25	60	18.83	62.56	AQ	AQ	AQ
9/2/2010 17:00	21147	2_60	2010	245	1700	2.662025	270.0403	19.81748	9.4	46.22	14.99	45.2	AQ	AQ	AQ
9/2/2010 18:00	21148	2_60	2010	245	1800	2.646461	281.9307	10.80917	8.26	18.27	10.41	17.67	AQ	AQ	AQ
9/2/2010 19:00	21149	2_60	2010	245	1900	3.565587	275.3131	13.17433	12.51	22.95	27.82	24.5	AQ	AQ	AQ
9/2/2010 20:00	21150	2_60	2010	245	2000	1.924232	282.0347	16.70261	7.523	12.99	7.43	12.38	AQ	AQ	AQ
9/2/2010 21:00	21151	2_60	2010	245	2100	1.057363	225.3033	27.59702	1.025	7.489	1.904	7.236	AQ	AQ	AQ
9/2/2010 22:00	21152	2_60	2010	245	2200	1.813612	195.0938	12.43274	1.086	7.066	4.329	9.15	AQ	AQ	AQ
9/2/2010 23:00	21153	2_60	2010	245	2300	0.8849358	236.168	28.11914	1.13	4.321	1.189	4.316	AQ	AQ	AQ
9/3/2010 0:00	21154	2_60	2010	246	0	0.700844	262.9357	18.60033	0.426	2.89	0.228	2.907	AQ	AQ	AQ
9/3/2010 1:00	21155	2_60	2010	246	100	0.8858373	162.2073	44.68985	0.203	3.034	0.394	3.139	AQ	AQ	AQ
9/3/2010 2:00	21156	2_60	2010	246	200	0.8127133	315.6397	42.45887	1.409	11.46	0.137	8.18	AQ	AQ	AQ
9/3/2010 3:00	21157	2_60	2010	246	300	1.000163	153.4404	49.52887	-3.27	17.03	-3.058	14.81	AQ	AQ	AQ
9/3/2010 4:00	21158	2_60	2010	246	400	0.543971	225.2438	41.73475	0.556	9.94	0.538	8.18	AQ	AQ	AQ
9/3/2010 5:00	21159	2_60	2010	246	500	1.749613	157.9064	18.75281	-0.209	21.04	4.287	22.84	AQ	AQ	AQ
9/3/2010 6:00	21160	2_60	2010	246	600	0.6464283	228.1545	29.5704	0.577	5.922	0.922	5.953	AQ	AQ	AQ
9/3/2010 7:00	21161	2_60	2010	246	700	1.393036	278.4378	19.22493	1.644	5.774	-0.116	3.639	AQ	AQ	AQ
9/3/2010 8:00	21162	2_60	2010	246	800	1.576726	292.1156	10.51849	4.825	15.03	2.843	12.33	AQ	AQ	AQ
9/3/2010 9:00	21163	2_60	2010	246	900	1.38413	310.1302	20.52749	6.616	37.28	4.902	34.56	AQ	AQ	AQ
9/3/2010 10:00	21164	2_60	2010	246	1000	1.097413	316.2274	45.61386	8.7	49.15	7.035	44.8	AQ	AQ	AQ
9/3/2010 11:00	21165	2_60	2010	246	1100	0.9528298	350.351	46.93889	21.51	48.97	18.34	47.2	AQ	AQ	AQ
9/3/2010 12:00	21166	2_60	2010	246	1200	1.886427	13.64423	32.30204	9.19	56.81	2.339	57.39	AQ	AQ	AQ
9/3/2010 13:00	21167	2_60	2010	246	1300	2.094073	341.4489	42.4013	16.43	65.14	10.77	66	AQ	AQ	AQ
9/3/2010 14:00	21168	2_60	2010	246	1400	2.250745	20.38812	37.52338	9.02	51.66	-1.166	52.98	AQ	AQ	AQ
9/3/2010 15:00	21169	2_60	2010	246	1500	1.745861	198.5569	55.50484	-8.78	68.74	-4.689	70.41	AQ	AQ	AQ
9/3/2010 16:00	21170	2_60	2010	246	1600	2.13068	176.0005	43.80871	-6.914	55.12	-2.104	57.1	AQ	AQ	AQ
9/3/2010 17:00	21171	2_60	2010	246	1700	1.670334	272.5236	65.96561	1.357	48.14	3.87	48.6	AQ	AQ	AQ
9/3/2010 18:00	21172	2_60	2010	246	1800	2.991537	259.044	26.85018	6.648	27.99	20.3	31.44	AQ	AQ	AQ
9/3/2010 19:00	21173	2_60	2010	246	1900	4.616443	248.4189	11.01348	13.63	26.85	40.62	31.96	AQ	AQ	AQ
9/3/2010 20:00	21174	2_60	2010	246	2000	3.416793	260.1097	16.80006	9.68	27.69	22.95	36.57	AQ	AQ	AQ
9/3/2010 21:00	21175	2_60	2010	246	2100	1.474472	275.1068	17.81825	4.572	7.719	3.693	9.12	AQ	AQ	AQ
9/3/2010 22:00	21176	2_60	2010	246	2200	1.224559	236.7642	20.8069	4.466	7.676	2.167	6.304	AQ	AQ	AQ
9/3/2010 23:00	21177	2_60	2010	246	2300	1.473074	151.8768	31.74976	0.444	23.04	3.977	22.48	AQ	AQ	AQ
9/4/2010 0:00	21178	2_60	2010	247	0	1.098207	169.0562	40.69285	0.807	8.45	1.757	8.24	AQ	AQ	AQ
9/4/2010 1:00	21179	2_60	2010	247	100	0.832738	167.8994	38.79887	0.959	7.391	1.109	6.648	AQ	AQ	AQ
9/4/2010 2:00	21180	2_60	2010	247	200	1.032447	276.7095	31.20247	0.386	4.087	0.394	3.605	AQ	AQ	AQ
9/4/2010 3:00	21181	2_60	2010	247	300	1.378074	274.0656	30.78698	2.002	8.6	0.792	7.02	AQ	AQ	AQ
9/4/2010 4:00	21182	2_60	2010	247	400	0.9910008	157.6241	27.40749	0.163	4.185	0.224	3.359	AQ	AQ	AQ
9/4/2010 5:00	21183	2_60	2010	247	500	0.4732862	233.7534	40.21551	-0.1	2.612	-0.231	0.935	AQ	AQ	AQ
9/4/2010 6:00	21184	2_60	2010	247	600	0.8316789	224.871	44.16399	0.776	4.313	-0.154	0.955	AQ	AQ	AQ
9/4/2010 7:00	21185	2_60	2010	247	700	0.9644895	297.0102	16.90765	0.244	3.15	-0.003	2.34	AQ	AQ	AQ
9/4/2010 8:00	21186	2_60	2010	247	800	0.9108989	304.7882	21.19786	0.201	20.92	0.18	17.05	AQ	AQ	AQ
9/4/2010 9:00	21187	2_60	2010	247	900	0.5701969	306.8831	32.01575	2.752	36.42	3.311	31.56	AQ	AQ	AQ
9/4/2010 10:00	21188	2_60	2010	247	1000	0.9867632	353.8495	41.90432	14.64	53.67	11.58	51.9	AQ	AQ	AQ
9/4/2010 11:00	21189	2_60	2010	247	1100	0.9537984	28.08119	46.97256	3.322	56.95	2.717	57.36	AQ	AQ	AQ
9/4/2010 12:00	21190	2_60	2010	247	1200	1.182971	44.13423	38.94526	7.753	54.95	4.878	53.33	AQ	AQ	AQ
9/4/2010 13:00	21191	2_60	2010	247	1300	3.28572	256.6472	31.52341	0.314	53.67	11.45	58.06	AQ	AQ	AQ
9/4/2010 14:00	21192	2_60	2010	247	1400	2.750486	242.6006	35.56044	11.58	62.63	24.44	66.98	AQ	AQ	AQ
9/4/2010 15:00	21193	2_60	2010	247	1500	4.589972	191.7266	36.13312	-1.533	65.26	21.79	74.26	AQ	AQ	AQ
9/4/2010 16:00	21194	2_60	2010	247	1600	4.726393	230.8781	20.69843	8.85	61.99	34.77	70.47	AQ	AQ	AQ
9/4/2010 17:00	21195	2_60	2010	247	1700	4.936319	279.1405	31.60297	21.14	48.65	28.29	50.75	AQ	AQ	AQ
9/4/2010 18:00	21196	2_60	2010	247	1800	3.954075	270.8258	12.40122	5.82	30.8	17.14	34.4	AQ	AQ	AQ
9/4/2010 19:00	21197	2_60	2010	247	1900	3.927335	263.9514	10.7541	14.11	18.38	29.3	23.46	AQ	AQ	AQ
9/4/2010 20:00	21198	2_60	2010	247	2000	5.023017	214.6937	7.983624	17.63	22.17	58.98	27.16	AQ	AQ	AQ
9/4/2010 21:00	21199	2_60	2010	247	2100	5.730883	202.5266	11.07744	14.99	43.79	59.32	50.75	AQ	AQ	AQ
9/4/2010 22:00	21200	2_60	2010	247	2200	6.114737	210.6519	12.93896	18.52	58.56	64.4	65.28	AQ	AQ	AQ
9/4/2010 23:00	21201	2_60	2010	247	2300	5.800622	200.0675	8.556884	33.81	44.05	81.9	48.32	AQ	AQ	AQ

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/2/2010 0:00	21130	2_60	2010	245	0	26.45	61.94	24.58	AQ	2.458	219.5	2343	11.96
9/2/2010 1:00	21131	2_60	2010	245	100	27.09	60.73	24.58	AQ	3.004	173	36	11.94
9/2/2010 2:00	21132	2_60	2010	245	200	28.37	59.66	24.59	AQ	2.219	269.6	139	11.93
9/2/2010 3:00	21133	2_60	2010	245	300	30.76	57.74	24.6	AQ	7.168	128.4	234	11.91
9/2/2010 4:00	21134	2_60	2010	245	400	36.8	54.86	24.62	AQ	4.471	146.8	301	11.9
9/2/2010 5:00	21135	2_60	2010	245	500	40.42	53.06	24.64	AQ	1.843	296.3	439	11.89
9/2/2010 6:00	21136	2_60	2010	245	600	41.95	52.51	24.66	AQ	2.628	119.3	515	11.87
9/2/2010 7:00	21137	2_60	2010	245	700	39.98	55.75	24.68	AQ	2.389	312	652	11.86
9/2/2010 8:00	21138	2_60	2010	245	800	30.47	63.44	24.69	AQ	3.686	270.6	756	11.88
9/2/2010 9:00	21139	2_60	2010	245	900	26.26	67.64	24.7	AQ	3.174	287.9	800	11.9
9/2/2010 10:00	21140	2_60	2010	245	1000	22.35	72.24	24.7	AQ	4.267	291	954	11.92
9/2/2010 11:00	21141	2_60	2010	245	1100	19.83	75.19	24.69	AQ	4.642	305	1009	11.94
9/2/2010 12:00	21142	2_60	2010	245	1200	16.73	78.55	24.67	AQ	4.471	251.9	1121	11.95
9/2/2010 13:00	21143	2_60	2010	245	1300	14.55	81.5	24.65	AQ	6.554	338.1	1205	11.96
9/2/2010 14:00	21144	2_60	2010	245	1400	13.34	83.2	24.64	AQ	5.7	20.48	1311	11.97
9/2/2010 15:00	21145	2_60	2010	245	1500	12.28	85	24.63	AQ	5.632	302.5	1407	11.98
9/2/2010 16:00	21146	2_60	2010	245	1600	11.82	85.9	24.62	AQ	6.656	232	1523	11.98
9/2/2010 17:00	21147	2_60	2010	245	1700	11.44	86.2	24.62	AQ	4.813	306.6	1639	11.97
9/2/2010 18:00	21148	2_60	2010	245	1800	12.58	84.8	24.62	AQ	4.608	296.4	1747	11.96
9/2/2010 19:00	21149	2_60	2010	245	1900	19.32	76.09	24.64	AQ	5.7	256.6	1836	11.94
9/2/2010 20:00	21150	2_60	2010	245	2000	21.09	72.87	24.67	AQ	4.028	297.9	1920	11.91
9/2/2010 21:00	21151	2_60	2010	245	2100	23.58	69	24.68	AQ	2.935	132.6	2059	11.88
9/2/2010 22:00	21152	2_60	2010	245	2200	22.91	67.21	24.68	AQ	3.755	127	2102	11.85
9/2/2010 23:00	21153	2_60	2010	245	2300	27.03	62.94	24.69	AQ	1.946	210.7	2230	11.83
9/3/2010 0:00	21154	2_60	2010	246	0	27.58	62.94	24.7	AQ	1.638	243.8	2355	11.81
9/3/2010 1:00	21155	2_60	2010	246	100	29.09	61.06	24.7	AQ	2.15	98.2	57	11.8
9/3/2010 2:00	21156	2_60	2010	246	200	30.41	59.83	24.7	AQ	2.355	103.1	104	11.78
9/3/2010 3:00	21157	2_60	2010	246	300	32.71	58.17	24.72	AQ	2.765	107.4	213	11.77
9/3/2010 4:00	21158	2_60	2010	246	400	35.42	56.4	24.73	AQ	3.14	124	334	11.76
9/3/2010 5:00	21159	2_60	2010	246	500	35.85	56.18	24.73	AQ	4.676	131.6	426	11.75
9/3/2010 6:00	21160	2_60	2010	246	600	41.98	53.4	24.75	AQ	2.492	166	500	11.74
9/3/2010 7:00	21161	2_60	2010	246	700	41.05	55.2	24.77	AQ	2.867	304.9	628	11.73
9/3/2010 8:00	21162	2_60	2010	246	800	34.06	60.92	24.78	AQ	2.662	308.1	701	11.73
9/3/2010 9:00	21163	2_60	2010	246	900	27.44	66.66	24.78	AQ	2.799	295.3	853	11.75
9/3/2010 10:00	21164	2_60	2010	246	1000	23.39	71.03	24.78	AQ	3.379	340.8	902	11.77
9/3/2010 11:00	21165	2_60	2010	246	1100	20.54	76.91	24.76	AQ	2.765	39.94	1040	11.79
9/3/2010 12:00	21166	2_60	2010	246	1200	18.5	81.5	24.73	AQ	4.335	8.9	1158	11.81
9/3/2010 13:00	21167	2_60	2010	246	1300	15.52	84.7	24.72	AQ	6.144	20.01	1229	11.82
9/3/2010 14:00	21168	2_60	2010	246	1400	13.63	86.4	24.7	AQ	5.871	35.62	1334	11.83
9/3/2010 15:00	21169	2_60	2010	246	1500	13.13	87.4	24.67	AQ	5.291	189.5	1459	11.83
9/3/2010 16:00	21170	2_60	2010	246	1600	12.9	88.2	24.66	AQ	6.144	270.9	1510	11.83
9/3/2010 17:00	21171	2_60	2010	246	1700	12.41	88.3	24.64	AQ	6.281	299.9	1647	11.82
9/3/2010 18:00	21172	2_60	2010	246	1800	13.08	87	24.63	AQ	5.905	226.7	1714	11.81
9/3/2010 19:00	21173	2_60	2010	246	1900	14.86	80.8	24.63	AQ	7.134	253.1	1826	11.79
9/3/2010 20:00	21174	2_60	2010	246	2000	15.52	77.23	24.66	AQ	6.212	235.2	1913	11.76
9/3/2010 21:00	21175	2_60	2010	246	2100	20.75	72.16	24.67	AQ	3.379	238.8	2000	11.74
9/3/2010 22:00	21176	2_60	2010	246	2200	24.52	69.16	24.67	AQ	2.901	292.3	2152	11.71
9/3/2010 23:00	21177	2_60	2010	246	2300	26.54	66.84	24.68	AQ	4.676	145.8	2243	11.69
9/4/2010 0:00	21178	2_60	2010	247	0	29	64.26	24.68	AQ	2.867	110.7	2327	11.67
9/4/2010 1:00	21179	2_60	2010	247	100	31.3	62.43	24.68	AQ	1.673	122.3	41	11.65
9/4/2010 2:00	21180	2_60	2010	247	200	33.05	61.42	24.68	AQ	2.355	271.7	121	11.64
9/4/2010 3:00	21181	2_60	2010	247	300	35.33	59.9	24.69	AQ	3.584	293.7	233	11.62
9/4/2010 4:00	21182	2_60	2010	247	400	38.03	58.43	24.69	AQ	2.662	112.1	312	11.61
9/4/2010 5:00	21183	2_60	2010	247	500	38.9	57.67	24.69	AQ	1.707	319.6	404	11.6
9/4/2010 6:00	21184	2_60	2010	247	600	45.05	54.44	24.7	AQ	2.219	293.1	526	11.59
9/4/2010 7:00	21185	2_60	2010	247	700	40.76	57.44	24.71	AQ	1.638	301	638	11.58
9/4/2010 8:00	21186	2_60	2010	247	800	33.31	63.56	24.71	AQ	2.185	315.7	732	11.58
9/4/2010 9:00	21187	2_60	2010	247	900	26.98	69.48	24.7	AQ	2.185	327.8	848	11.6
9/4/2010 10:00	21188	2_60	2010	247	1000	24.49	73.75	24.69	AQ	2.628	347	946	11.62
9/4/2010 11:00	21189	2_60	2010	247	1100	20.19	79.19	24.66	AQ	3.482	309	1003	11.64
9/4/2010 12:00	21190	2_60	2010	247	1200	16.62	84.9	24.63	AQ	3.584	87.9	1109	11.65
9/4/2010 13:00	21191	2_60	2010	247	1300	12.33	87.8	24.6	AQ	7.578	233.5	1231	11.66
9/4/2010 14:00	21192	2_60	2010	247	1400	11.98	89.5	24.58	AQ	8.67	272.6	1350	11.66
9/4/2010 15:00	21193	2_60	2010	247	1500	11.71	90.1	24.55	AQ	10.38	182.5	1448	11.66
9/4/2010 16:00	21194	2_60	2010	247	1600	10.45	90.7	24.53	AQ	12.01	267.6	1536	11.66
9/4/2010 17:00	21195	2_60	2010	247	1700	9.92	90.5	24.52	AQ	9.56	297.6	1631	11.65
9/4/2010 18:00	21196	2_60	2010	247	1800	10.54	88.7	24.51	AQ	7.817	246.5	1722	11.64
9/4/2010 19:00	21197	2_60	2010	247	1900	14.57	79.2	24.51	AQ	6.246	255.4	1846	11.62
9/4/2010 20:00	21198	2_60	2010	247	2000	13.97	77.42	24.52	AQ	7.373	200.5	1944	11.59
9/4/2010 21:00	21199	2_60	2010	247	2100	13.58	79.71	24.52	AQ	10.51	201	2017	11.57
9/4/2010 22:00	21200	2_60	2010	247	2200	13.29	79.62	24.52	AQ	10.55	229.8	2149	11.56
9/4/2010 23:00	21201	2_60	2010	247	2300	13.62	78.17	24.51	AQ	10.21	203.9	2208	11.55

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s m/s	WDir30m_Deg Deg	ST30m Deg	VertWS30mEPS_Avg cm/s	VertWS30mEPS_Std cm/s	VertWS30mCFT_Avg cm/s	VertWS30mCFT_Std cm/s	Temp2m_Avg DegC	Temp30m_Avg DegC	DeltaT_Avg
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/5/2010 0:00	21202	2_60	2010	248	0	1.843249	345.4214	47.08883	9.24	23.78	7.468	25.43	AQ	AQ	AQ
9/5/2010 1:00	21203	2_60	2010	248	100	1.330512	271.5323	37.48153	4.759	16.46	8.04	18.89	AQ	AQ	AQ
9/5/2010 2:00	21204	2_60	2010	248	200	0.7926847	263.8589	35.79787	-0.065	9.95	0.87	6.724	AQ	AQ	AQ
9/5/2010 3:00	21205	2_60	2010	248	300	0.5649049	22.11256	21.39585	-0.097	3.227	-0.235	1.104	AQ	AQ	AQ
9/5/2010 4:00	21206	2_60	2010	248	400	1.377675	302.1581	26.83071	3.038	9.99	0.431	7.376	AQ	AQ	AQ
9/5/2010 5:00	21207	2_60	2010	248	500	0.7936845	251.0731	36.5742	1.107	7.579	0.673	4.404	AQ	AQ	AQ
9/5/2010 6:00	21208	2_60	2010	248	600	0.63394	241.3328	64.07258	1.604	13.18	1.092	9.48	AQ	AQ	AQ
9/5/2010 7:00	21209	2_60	2010	248	700	1.953819	287.0093	27.26408	4.091	15.25	3.389	12.17	AQ	AQ	AQ
9/5/2010 8:00	21210	2_60	2010	248	800	1.120621	293.0959	38.45035	12.07	21.22	10.64	18.4	AQ	AQ	AQ
9/5/2010 9:00	21211	2_60	2010	248	900	0.8016764	358.8536	43.69125	-1.21	32.95	-1.408	27.99	AQ	AQ	AQ
9/5/2010 10:00	21212	2_60	2010	248	1000	1.64744	338.5658	58.05955	-1.919	60.15	0.459	59.74	AQ	AQ	AQ
9/5/2010 11:00	21213	2_60	2010	248	1100	5.290646	232.2538	33.46294	5.486	93.9	31.96	101.2	AQ	AQ	AQ
9/5/2010 12:00	21214	2_60	2010	248	1200	6.309649	218.1823	36.85353	9.76	104.2	44.48	114.1	AQ	AQ	AQ
9/5/2010 13:00	21215	2_60	2010	248	1300	6.753821	238.4486	24.31155	7.987	87.3	44.57	97.9	AQ	AQ	AQ
9/5/2010 14:00	21216	2_60	2010	248	1400	5.867862	218.1232	43.52312	2.261	115.3	31.22	123.2	AQ	AQ	AQ
9/5/2010 15:00	21217	2_60	2010	248	1500	6.73538	236.1974	37.08302	5.204	132.8	39.62	144.2	AQ	AQ	AQ
9/5/2010 16:00	21218	2_60	2010	248	1600	5.212712	234.7175	52.44046	7.879	119.4	32.13	127.7	AQ	AQ	AQ
9/5/2010 17:00	21219	2_60	2010	248	1700	8.536019	237.2889	24.69782	8.26	103.4	54.47	117.6	AQ	AQ	AQ
9/5/2010 18:00	21220	2_60	2010	248	1800	6.420263	234.5855	32.14489	6.358	113.6	39.06	122.8	AQ	AQ	AQ
9/5/2010 19:00	21221	2_60	2010	248	1900	4.90797	243.9158	26.44733	-1.526	87.3	20.7	91.5	AQ	AQ	AQ
9/5/2010 20:00	21222	2_60	2010	248	2000	3.457148	256.9604	28.28025	5.238	62.9	19.38	66.95	AQ	AQ	AQ
9/5/2010 21:00	21223	2_60	2010	248	2100	1.392238	284.6871	45.6101	2.671	37.69	3.986	36.28	AQ	AQ	AQ
9/5/2010 22:00	21224	2_60	2010	248	2200	2.482568	267.2168	34.17089	4.566	41.13	12.13	42.65	AQ	AQ	AQ
9/5/2010 23:00	21225	2_60	2010	248	2300	2.832206	272.1381	11.64344	3.399	18.74	14.49	19.22	AQ	AQ	AQ
9/6/2010 0:00	21226	2_60	2010	249	0	4.245064	282.817	20.44333	5.746	57.97	11.77	59.32	AQ	AQ	AQ
9/6/2010 1:00	21227	2_60	2010	249	100	4.951168	266.5336	15.53354	6.848	68.54	24.67	75.54	AQ	AQ	AQ
9/6/2010 2:00	21228	2_60	2010	249	200	4.174059	271.3304	15.89727	11.65	54.58	23.82	56.21	AQ	AQ	AQ
9/6/2010 3:00	21229	2_60	2010	249	300	5.678348	292.4805	8.909626	22.8	29.86	25.01	29.4	AQ	AQ	AQ
9/6/2010 4:00	21230	2_60	2010	249	400	4.97204	264.5419	10.03164	14.81	39.14	40.73	44.26	AQ	AQ	AQ
9/6/2010 5:00	21231	2_60	2010	249	500	6.760485	248.315	14.30684	35.57	42.13	78.95	47.21	AQ	AQ	AQ
9/6/2010 6:00	21232	2_60	2010	249	600	7.909262	241.0453	6.711011	31.42	40.94	88.2	47.78	AQ	AQ	AQ
9/6/2010 7:00	21233	2_60	2010	249	700	3.686962	282.4894	59.82621	19.48	48.41	39.14	65.34	AQ	AQ	AQ
9/6/2010 8:00	21234	2_60	2010	249	800	2.715754	43.4146	41.8039	15.53	36.27	9	40.72	AQ	AQ	AQ
9/6/2010 9:00	21235	2_60	2010	249	900	3.716562	22.64364	13.9512	19.55	42.63	3.845	46.85	AQ	AQ	AQ
9/6/2010 10:00	21236	2_60	2010	249	1000	2.687338	4.552801	30.82346	9.59	53.4	-2.423	54.86	AQ	AQ	AQ
9/6/2010 11:00	21237	2_60	2010	249	1100	2.294375	329.9159	35.92351	10.68	58.13	4.367	59.04	AQ	AQ	AQ
9/6/2010 12:00	21238	2_60	2010	249	1200	1.886459	321.2525	55.84944	12.1	72.31	9.13	69.67	AQ	AQ	AQ
9/6/2010 13:00	21239	2_60	2010	249	1300	2.58104	29.88323	35.04958	11.37	60.73	2.181	63.29	AQ	AQ	AQ
9/6/2010 14:00	21240	2_60	2010	249	1400	2.233366	24.39818	39.69598	3.892	65.49	-3.481	67.73	AQ	AQ	AQ
9/6/2010 15:00	21241	2_60	2010	249	1500	2.912982	317.7331	42.61028	3.632	64.52	-0.347	67.48	AQ	AQ	AQ
9/6/2010 16:00	21242	2_60	2010	249	1600	4.100592	288.9808	15.15202	9.58	50.85	12.42	52.71	AQ	AQ	AQ
9/6/2010 17:00	21243	2_60	2010	249	1700	3.672645	274.3609	17.78553	6.591	35.15	16.31	36.86	AQ	AQ	AQ
9/6/2010 18:00	21244	2_60	2010	249	1800	4.064354	259.329	12.99051	4.17	30.34	22.87	35.8	AQ	AQ	AQ
9/6/2010 19:00	21245	2_60	2010	249	1900	4.603762	239.6361	5.568668	16.66	17.38	48.64	22.66	AQ	AQ	AQ
9/6/2010 20:00	21246	2_60	2010	249	2000	1.847491	202.5032	45.53696	7.669	21.62	10.29	27.33	AQ	AQ	AQ
9/6/2010 21:00	21247	2_60	2010	249	2100	1.6333	184.2803	24.62378	2.755	9	6.582	11.71	AQ	AQ	AQ
9/6/2010 22:00	21248	2_60	2010	249	2200	1.310799	160.2324	23.05259	1.085	9.73	2.662	10.27	AQ	AQ	AQ
9/6/2010 23:00	21249	2_60	2010	249	2300	1.349998	152.1209	23.41857	-1.679	15.71	-0.407	14.02	AQ	AQ	AQ
9/7/2010 0:00	21250	2_60	2010	250	0	1.384616	259.249	27.17793	5.552	13.13	4.08	10.78	AQ	AQ	AQ
9/7/2010 1:00	21251	2_60	2010	250	100	2.484839	122.1992	16.0683	-2.471	29.48	2.723	31.94	AQ	AQ	AQ
9/7/2010 2:00	21252	2_60	2010	250	200	1.118659	163.7238	18.57646	-0.121	11.6	0.852	10.53	AQ	AQ	AQ
9/7/2010 3:00	21253	2_60	2010	250	300	1.649429	244.3766	26.17606	5.289	11.9	3.187	9.96	AQ	AQ	AQ
9/7/2010 4:00	21254	2_60	2010	250	400	1.851497	272.054	11.46332	1.581	10.83	3.811	9.88	AQ	AQ	AQ
9/7/2010 5:00	21255	2_60	2010	250	500	0.6733106	199.5557	31.54181	0.027	5.987	0.323	4.465	AQ	AQ	AQ
9/7/2010 6:00	21256	2_60	2010	250	600	0.5687762	157.1253	43.26807	-0.043	1.696	-0.221	0.168	AQ	AQ	AQ
9/7/2010 7:00	21257	2_60	2010	250	700	1.006709	285.1316	24.71265	0.651	4.845	0.465	4.229	AQ	AQ	AQ
9/7/2010 8:00	21258	2_60	2010	250	800	1.641182	288.8563	13.05423	3.867	17.54	3.308	16.36	AQ	AQ	AQ
9/7/2010 9:00	21259	2_60	2010	250	900	0.9015449	336.2381	44.869	6.413	43.66	3.964	41.35	AQ	AQ	AQ
9/7/2010 10:00	21260	2_60	2010	250	1000	1.164142	330.7241	29.79376	4.292	49.28	1.379	47.32	AQ	AQ	AQ
9/7/2010 11:00	9.875			250	1100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 12:00				250	1200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 13:00				250	1300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 14:00				250	1400	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 15:00				250	1500	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 16:00				250	1600	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 17:00				250	1700	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 18:00				250	1800	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 19:00				250	1900	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 20:00				250	2000	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 21:00				250	2100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 22:00				250	2200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 23:00		10.91666667	12%	250	2300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/5/2010 0:00	21202	2_60	2010	248	0	18.37	71.33	24.51	AQ	4.335	75.79	2304	11.53
9/5/2010 1:00	21203	2_60	2010	248	100	23.33	65.99	24.51	AQ	3.311	231.6	12	11.51
9/5/2010 2:00	21204	2_60	2010	248	200	23.21	66.14	24.5	AQ	2.662	291.5	127	11.49
9/5/2010 3:00	21205	2_60	2010	248	300	24.4	65.21	24.49	AQ	2.219	290.5	259	11.47
9/5/2010 4:00	21206	2_60	2010	248	400	25.98	63.54	24.5	AQ	3.174	313.3	300	11.46
9/5/2010 5:00	21207	2_60	2010	248	500	29.72	60.39	24.5	AQ	2.014	306.5	459	11.44
9/5/2010 6:00	21208	2_60	2010	248	600	30.04	60.08	24.51	AQ	2.116	208.4	523	11.43
9/5/2010 7:00	21209	2_60	2010	248	700	29.32	61.98	24.52	AQ	3.584	291	653	11.42
9/5/2010 8:00	21210	2_60	2010	248	800	26.09	67.34	24.52	AQ	2.628	255	715	11.42
9/5/2010 9:00	21211	2_60	2010	248	900	21.67	73.48	24.51	AQ	2.526	45.73	826	11.44
9/5/2010 10:00	21212	2_60	2010	248	1000	17.24	80.3	24.49	AQ	9.25	261.5	958	11.45
9/5/2010 11:00	21213	2_60	2010	248	1100	13.48	84.8	24.46	AQ	14.13	229.4	1051	11.47
9/5/2010 12:00	21214	2_60	2010	248	1200	12.7	86.4	24.42	AQ	14.78	230.1	1112	11.47
9/5/2010 13:00	21215	2_60	2010	248	1300	12.38	86.5	24.4	AQ	16.01	233.9	1211	11.47
9/5/2010 14:00	21216	2_60	2010	248	1400	12.46	86.9	24.38	AQ	14.88	252.5	1332	11.47
9/5/2010 15:00	21217	2_60	2010	248	1500	12.36	86.9	24.36	AQ	15.84	257.8	1416	11.47
9/5/2010 16:00	21218	2_60	2010	248	1600	12.2	87.5	24.33	AQ	15.74	216.9	1544	11.46
9/5/2010 17:00	21219	2_60	2010	248	1700	12.14	87.5	24.31	AQ	15.29	248.4	1654	11.45
9/5/2010 18:00	21220	2_60	2010	248	1800	13.17	86	24.3	AQ	15.5	233	1704	11.43
9/5/2010 19:00	21221	2_60	2010	248	1900	14.01	84.5	24.3	AQ	10.72	240.7	1814	11.42
9/5/2010 20:00	21222	2_60	2010	248	2000	14.95	82.6	24.32	AQ	9.15	246.5	1901	11.4
9/5/2010 21:00	21223	2_60	2010	248	2100	16.48	79.32	24.31	AQ	5.018	197.1	2049	11.38
9/5/2010 22:00	21224	2_60	2010	248	2200	16.95	77.68	24.32	AQ	7.407	265.6	2143	11.36
9/5/2010 23:00	21225	2_60	2010	248	2300	20.24	72.56	24.33	AQ	4.403	267.2	2224	11.34
9/6/2010 0:00	21226	2_60	2010	249	0	15.79	75.38	24.34	AQ	10.14	265	2359	11.32
9/6/2010 1:00	21227	2_60	2010	249	100	13.47	77.05	24.35	AQ	10.72	248.1	1	11.31
9/6/2010 2:00	21228	2_60	2010	249	200	14.51	74.82	24.36	AQ	9.01	270.9	156	11.3
9/6/2010 3:00	21229	2_60	2010	249	300	19.98	67.21	24.41	AQ	8.84	305	211	11.29
9/6/2010 4:00	21230	2_60	2010	249	400	20.51	65.17	24.44	AQ	8.77	265.9	306	11.27
9/6/2010 5:00	21231	2_60	2010	249	500	19.94	65.31	24.46	AQ	10.17	245.6	432	11.25
9/6/2010 6:00	21232	2_60	2010	249	600	20.19	63.87	24.48	AQ	11.95	243.2	542	11.24
9/6/2010 7:00	21233	2_60	2010	249	700	18.77	64.52	24.52	AQ	10.65	240.1	606	11.22
9/6/2010 8:00	21234	2_60	2010	249	800	16.59	67.47	24.54	AQ	5.7	224.8	705	11.22
9/6/2010 9:00	21235	2_60	2010	249	900	10.44	68.68	24.56	AQ	6.827	26.78	833	11.21
9/6/2010 10:00	21236	2_60	2010	249	1000	8.21	70.08	24.58	AQ	5.939	43.08	900	11.21
9/6/2010 11:00	21237	2_60	2010	249	1100	7.712	71.89	24.56	AQ	5.632	351.4	1035	11.21
9/6/2010 12:00	21238	2_60	2010	249	1200	7.795	74.29	24.54	AQ	4.642	292.9	1139	11.21
9/6/2010 13:00	21239	2_60	2010	249	1300	7.807	76.21	24.53	AQ	6.178	354.1	1229	11.2
9/6/2010 14:00	21240	2_60	2010	249	1400	7.688	77.89	24.52	AQ	6.315	58	1310	11.2
9/6/2010 15:00	21241	2_60	2010	249	1500	6.545	79.44	24.51	AQ	6.827	289.9	1437	11.19
9/6/2010 16:00	21242	2_60	2010	249	1600	5.302	80	24.51	AQ	8.64	309.5	1515	11.18
9/6/2010 17:00	21243	2_60	2010	249	1700	4.276	79.38	24.51	AQ	6.963	255.1	1623	11.16
9/6/2010 18:00	21244	2_60	2010	249	1800	4.695	77.49	24.52	AQ	6.315	266.6	1726	11.14
9/6/2010 19:00	21245	2_60	2010	249	1900	7.725	67.44	24.52	AQ	6.11	226.9	1857	11.11
9/6/2010 20:00	21246	2_60	2010	249	2000	8.13	64.02	24.54	AQ	6.042	229.6	1900	11.07
9/6/2010 21:00	21247	2_60	2010	249	2100	9.78	61.98	24.56	AQ	3.277	214.4	2034	11.03
9/6/2010 22:00	21248	2_60	2010	249	2200	10.08	61.15	24.56	AQ	2.765	188	2120	11
9/6/2010 23:00	21249	2_60	2010	249	2300	11.48	58.17	24.57	AQ	2.97	156.5	2215	10.96
9/7/2010 0:00	21250	2_60	2010	250	0	13.33	55.08	24.57	AQ	3.482	299.7	2342	10.92
9/7/2010 1:00	21251	2_60	2010	250	100	14.16	54	24.57	AQ	5.598	129.7	39	10.88
9/7/2010 2:00	21252	2_60	2010	250	200	15.45	52.4	24.57	AQ	4.403	131.8	103	10.83
9/7/2010 3:00	21253	2_60	2010	250	300	19.16	50.17	24.58	AQ	3.516	292.9	258	10.76
9/7/2010 4:00	21254	2_60	2010	250	400	19.97	49.73	24.59	AQ	3.618	288	300	10.62
9/7/2010 5:00	21255	2_60	2010	250	500	20.98	49.09	24.6	AQ	2.15	271.3	404	10.39
9/7/2010 6:00	21256	2_60	2010	250	600	23.04	48.4	24.6	AQ	1.434	182.1	557	10.14
9/7/2010 7:00	21257	2_60	2010	250	700	24.32	50.04	24.61	AQ	2.014	331.3	625	9.91
9/7/2010 8:00	21258	2_60	2010	250	800	18.11	56.06	24.61	AQ	3.174	296.8	739	9.76
9/7/2010 9:00	21259	2_60	2010	250	900	16.61	60.37	24.61	AQ	2.697	325.7	800	9.56
9/7/2010 10:00	21260	2_60	2010	250	1000	14.33	66.57	24.59	AQ	2.867	333.8	938	9.33
9/7/2010 11:00	9.875			250	1100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 12:00				250	1200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 13:00				250	1300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 14:00				250	1400	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 15:00				250	1500	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 16:00				250	1600	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 17:00				250	1700	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 18:00				250	1800	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 19:00				250	1900	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 20:00				250	2000	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 21:00				250	2100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 22:00				250	2200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/7/2010 23:00		10.91666667	12%	250	2300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/8/2010 0:00				251	0	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 1:00				251	100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 2:00				251	200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 3:00				251	300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 4:00				251	400	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 5:00				251	500	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 6:00				251	600	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 7:00				251	700	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 8:00				251	800	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 9:00				251	900	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 10:00				251	1000	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 11:00	1.0416667		1.1%	251	1100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 12:00	21261	2_60	2010	251	1200	4.207541	75.8515	10.34039	2.854	36.51	-6.893	41.42	19.41	18.17	-1.24236
9/8/2010 13:00	21262	2_60	2010	251	1300	4.886263	158.3528	23.07307	1.601	68.57	21.73	75.34	21.65	20.3	-1.351394
9/8/2010 14:00	21263	2_60	2010	251	1400	4.504445	176.5316	22.80365	8.74	65.69	32.2	72.17	23.28	21.69	-1.591197
9/8/2010 15:00	21264	2_60	2010	251	1500	4.112197	157.7486	23.63551	-2.64	59.68	13.45	66.79	24.34	22.96	-1.378776
9/8/2010 16:00	21265	2_60	2010	251	1600	7.133605	176.175	16.73952	8.56	71.45	55.82	87.9	21.24	21.29	0.04943823
9/8/2010 17:00	21266	2_60	2010	251	1700	7.979782	169.5195	13.04705	24.34	62.5	78.22	71.63	16.92	17.76	0.8421193
9/8/2010 18:00	21267	2_60	2010	251	1800	8.747755	150.9807	7.837837	19.86	44.37	67.14	54.12	17.27	17.63	0.3624838
9/8/2010 19:00	21268	2_60	2010	251	1900	5.805513	113.0807	10.10996	3.101	36.31	13.51	43.27	16.04	16.05	0.005800547
9/8/2010 20:00	21269	2_60	2010	251	2000	1.896986	133.223	20.88178	-2.923	19.9	-1.325	19.93	14.56	15.27	0.7089043
9/8/2010 21:00	21270	2_60	2010	251	2100	1.288355	220.494	65.48811	2.51	8.41	3.736	9.3	13.55	15.59	2.044546
9/8/2010 22:00	21271	2_60	2010	251	2200	0.7126466	262.2634	31.01852	-0.531	3.744	-0.049	2.706	13.15	14.92	1.764333
9/8/2010 23:00	21272	2_60	2010	251	2300	0.4995095	201.1823	17.17859	-0.185	0.874	-0.218	0.577	12.84	15.23	2.387798
9/9/2010 0:00	21273	2_60	2010	252	0	0.8635737	205.9979	25.93382	0.24	4.542	0.299	3.222	13.2	15.02	1.813304
9/9/2010 1:00	21274	2_60	2010	252	100	0.5406136	179.8364	33.93884	-0.24	6.087	-0.009	5.733	13.57	15.25	1.678139
9/9/2010 2:00	21275	2_60	2010	252	200	0.6554393	234.8037	28.64305	0.021	3.123	-0.217	1.7	13.16	14.75	1.594387
9/9/2010 3:00	21276	2_60	2010	252	300	1.852865	97.35632	41.24301	7.464	31.33	7.084	31.34	13.19	15.68	2.492637
9/9/2010 4:00	21277	2_60	2010	252	400	3.769188	104.3823	32.39233	15.53	42.6	18.44	48.42	15.11	17.84	2.728803
9/9/2010 5:00	21278	2_60	2010	252	500	4.075335	116.7459	18.5829	3.256	46.65	9.99	52.71	15.97	18.15	2.184135
9/9/2010 6:00	21279	2_60	2010	252	600	3.634187	104.1253	27.78711	-5.454	62.79	-1.988	69.7	17.75	18.44	0.6972891
9/9/2010 7:00	21280	2_60	2010	252	700	4.395482	128.6293	32.16914	-2.101	91.6	10.3	98.8	18.28	18.43	0.1414761
9/9/2010 8:00	21281	2_60	2010	252	800	5.881747	147.9139	52.55089	-10.16	140.8	11.35	154.2	19.13	18.78	-0.3532625
9/9/2010 9:00	21282	2_60	2010	252	900	5.356412	133.5684	67.21526	-10.94	159.5	6.113	170.5	19.78	19.27	-0.5091952
9/9/2010 10:00	21283	2_60	2010	252	1000	8.619258	173.2682	36.02908	5.437	185.2	51.65	202.7	20.24	19.48	-0.7574006
9/9/2010 11:00	21284	2_60	2010	252	1100	6.75935	185.8784	42.12724	8.05	159.7	39.62	172.2	20.91	19.93	-0.9818861
9/9/2010 12:00	21285	2_60	2010	252	1200	4.727363	202.6451	69.35318	-16.75	165	-0.742	174.2	21.51	20.47	-1.035273
9/9/2010 13:00	21286	2_60	2010	252	1300	5.690804	190.4822	63.57436	19.55	140.5	42.12	150.3	22.3	21.09	-1.207521
9/9/2010 14:00	21287	2_60	2010	252	1400	6.722336	253.262	43.06374	8.34	135.6	34.57	146.5	23.19	21.87	-1.31273
9/9/2010 15:00	21288	2_60	2010	252	1500	7.72972	245.2934	29.80336	24.33	131	65.03	140.5	23.43	22.17	-1.261443
9/9/2010 16:00	21289	2_60	2010	252	1600	7.40842	227.6731	36.162	-2.111	146.8	36.88	160.1	23.36	22.33	-1.033119
9/9/2010 17:00	21290	2_60	2010	252	1700	5.472294	234.1849	38.97102	7.101	133.2	34.33	142.9	23.21	22.45	-0.7573374
9/9/2010 18:00	21291	2_60	2010	252	1800	4.069956	221.2194	47.74032	7.845	119.9	26.88	122	22.59	22.25	-0.3422982
9/9/2010 19:00	21292	2_60	2010	252	1900	3.144928	168.9714	52.79393	-0.874	92.8	9.53	95.3	21.41	21.69	0.2774553
9/9/2010 20:00	21293	2_60	2010	252	2000	2.292074	178.2719	21.68213	3.715	32.69	14.6	35.12	18.71	20.89	2.181261
9/9/2010 21:00	21294	2_60	2010	252	2100	2.860249	182.7273	19.65163	11.51	36.96	27.24	42.68	17.86	20.57	2.708307
9/9/2010 22:00	21295	2_60	2010	252	2200	4.433818	211.8349	34.05936	15.9	30.63	45.13	39.56	16.41	18.97	2.563817
9/9/2010 23:00	21296	2_60	2010	252	2300	1.502408	47.72071	60.08566	5.496	20.77	9.32	25.91	14.54	17.29	2.745373
9/10/2010 0:00	21297	2_60	2010	253	0	4.935046	180.1113	28.22359	21.46	24.8	62.58	46.25	15.8	17.57	1.76854
9/10/2010 1:00	21298	2_60	2010	253	100	4.220655	197.8021	14.36224	26.54	26.26	60.17	31.25	15.79	17.45	1.655429
9/10/2010 2:00	21299	2_60	2010	253	200	4.697756	210.0659	24.74139	16.88	23.28	55.69	36.16	15.35	16.75	1.400943
9/10/2010 3:00	21300	2_60	2010	253	300	5.363832	202.2756	7.264669	18.98	22.33	64.78	28.38	14.95	16.84	1.888885
9/10/2010 4:00	21301	2_60	2010	253	400	5.000972	189.0929	8.394684	11.49	18.3	48.14	23.94	13.5	16.43	2.933208
9/10/2010 5:00	21302	2_60	2010	253	500	6.3977	188.237	6.459255	19.61	19.73	72.21	24.12	13.35	15.41	2.065431
9/10/2010 6:00	21303	2_60	2010	253	600	5.823467	206.8951	5.192761	17.47	19.37	70.52	24.64	13.06	14.88	1.82281
9/10/2010 7:00	21304	2_60	2010	253	700	2.608215	39.13395	50.59824	17.63	27.52	30.68	42.28	12.61	13.76	1.155823
9/10/2010 8:00	21305	2_60	2010	253	800	1.35486	77.69564	57.06753	7.826	32.44	7.816	33.82	15.28	14.62	-0.66086
9/10/2010 9:00	21306	2_60	2010	253	900	5.517178	241.9568	16.12524	13.3	57.32	45.28	65.34	17.26	16.25	-1.008511
9/10/2010 10:00	21307	2_60	2010	253	1000	5.72484	253.0449	17.71251	14.31	64.49	47.25	70.97	18.47	16.98	-1.491842
9/10/2010 11:00	21308	2_60	2010	253	1100	6.035405	246.5217	18.45081	17.99	69.29	52.44	77.36	19.44	17.69	-1.745379
9/10/2010 12:00	21309	2_60	2010	253	1200	6.362766	242.881	22.01729	15.82	78.02	52.08	90.9	19.91	18.08	-1.835612
9/10/2010 13:00	21310	2_60	2010	253	1300	6.212962	254.3949	20.04417	11.07	76.32	39.76	85.7	20.5	18.65	-1.851691
9/10/2010 14:00	21311	2_60	2010	253	1400	5.504982	251.8892	21.39035	8.3	67.91	38.01	77.77	20.98	19.13	-1.85159
9/10/2010 15:00	21312	2_60	2010	253	1500	5.663413	268.3236	19.47025	10.01	69.68	28.7	75.22	21.42	19.7	-1.717489
9/10/2010 16:00	21313	2_60	2010	253	1600	5.573383	274.907	18.02771	7.121	61.94	26.38	67.08	21.72	20.22	-1.502341
9/10/2010 17:00	21314	2_60	2010	253	1700	5.658494	271.5594	17.84071	13.09	53.9	30.91	57.92	21.66	20.49	-1.165644
9/10/2010 18:00	21315	2_60	2010	253	1800	4.913385	296.2319	14.49834	25.8	32.66	25	36.28	20.44	20.18	-0.2529705
9/10/2010 19:00	21316	2_60	2010	253	1900	2.246619	292.0363	13.65442	11.3	17.98	8.67	16.25	16.58	18.84	2.255562
9/10/2010 20:00	21317	2_60	2010	253	2000	1.718777	237.5382	17.71531	5.618	12.83	8.66	13.42	13.44	18.18	4.747356
9/10/2010 21:00	21318	2_60	2010	253	2100	1.530677	129.8214	21.82233	0.774	8.16	1.156	7.172	12.86	17.64	4.77615
9/10/2010 22:00	21319	2_60	2010	253	2200	1.322691	139.928	19.01634	0.641	7.431	1.088	6.008	12.85	17.17	4.317575
9/10/2010 23:00	21320	2_60	2010	253	2300	2.001686	160.5091	27.97975	5.266	18.04	10.79	20.67	12.42	15.84	3.423536

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/8/2010 0:00					251	0	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 1:00					251	100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 2:00					251	200	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 3:00					251	300	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 4:00					251	400	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 5:00					251	500	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 6:00					251	600	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 7:00					251	700	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 8:00					251	800	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 9:00					251	900	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 10:00					251	1000	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 11:00	1.0416667		1.1%		251	1100	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ
9/8/2010 12:00	21261	2_60	2010		251	1200	73.15	66.93	24.52	AQ	6.178	85.2	1156	11.37
9/8/2010 13:00	21262	2_60	2010		251	1300	56.24	71.32	24.5	AQ	10.55	162.1	1230	11.76
9/8/2010 14:00	21263	2_60	2010		251	1400	46.75	74.27	24.46	AQ	8.5	191.8	1330	11.92
9/8/2010 15:00	21264	2_60	2010		251	1500	39.53	76.29	24.42	AQ	8.43	143.7	1459	12.2
9/8/2010 16:00	21265	2_60	2010		251	1600	53.02	70.74	24.47	AQ	14.2	184.8	1555	12.17
9/8/2010 17:00	21266	2_60	2010		251	1700	72.12	62.99	24.44	AQ	15.16	160.6	1607	12.62
9/8/2010 18:00	21267	2_60	2010		251	1800	67.8	63.54	24.43	AQ	12.01	160.6	1734	12.74
9/8/2010 19:00	21268	2_60	2010		251	1900	78.43	61.27	24.42	AQ	9.73	112.4	1823	12.82
9/8/2010 20:00	21269	2_60	2010		251	2000	84.9	58.67	24.42	AQ	3.959	94.1	1929	12.89
9/8/2010 21:00	21270	2_60	2010		251	2100	88.5	56.75	24.43	AQ	2.97	65.07	2040	12.98
9/8/2010 22:00	21271	2_60	2010		251	2200	89.4	56.04	24.42	AQ	1.775	259.2	2102	13.04
9/8/2010 23:00	21272	2_60	2010		251	2300	90.4	55.4	24.42	AQ	1.399	200.3	2239	13.09
9/9/2010 0:00	21273	2_60	2010		252	0	89.4	56.12	24.41	AQ	1.741	203.8	2351	13.12
9/9/2010 1:00	21274	2_60	2010		252	100	88.3	56.69	24.41	AQ	1.434	153.7	21	13.13
9/9/2010 2:00	21275	2_60	2010		252	200	89.4	56.06	24.41	AQ	1.707	141.5	159	13.14
9/9/2010 3:00	21276	2_60	2010		252	300	85.8	55.91	24.41	AQ	4.813	90.1	243	13.17
9/9/2010 4:00	21277	2_60	2010		252	400	62.61	59.7	24.41	AQ	8.91	84.9	319	13.18
9/9/2010 5:00	21278	2_60	2010		252	500	55.17	61.09	24.42	AQ	11.78	156	455	13.19
9/9/2010 6:00	21279	2_60	2010		252	600	45.54	64.4	24.43	AQ	9.32	137.3	540	13.17
9/9/2010 7:00	21280	2_60	2010		252	700	41.17	65.55	24.44	AQ	10.44	163.8	636	13.15
9/9/2010 8:00	21281	2_60	2010		252	800	31.58	67.05	24.44	AQ	20.96	182.5	736	13.13
9/9/2010 9:00	21282	2_60	2010		252	900	26.88	68.39	24.45	AQ	20.79	159.8	858	13.1
9/9/2010 10:00	21283	2_60	2010		252	1000	18.89	68.7	24.47	AQ	20.31	171.7	932	13.08
9/9/2010 11:00	21284	2_60	2010		252	1100	17.3	69.91	24.45	AQ	17.37	178	1034	13.07
9/9/2010 12:00	21285	2_60	2010		252	1200	14.99	71.13	24.44	AQ	18.74	240.1	1110	13.05
9/9/2010 13:00	21286	2_60	2010		252	1300	14.17	72.52	24.42	AQ	17.58	155.4	1224	13.03
9/9/2010 14:00	21287	2_60	2010		252	1400	11.87	74.14	24.41	AQ	18.26	262.1	1305	13.01
9/9/2010 15:00	21288	2_60	2010		252	1500	11.59	74.5	24.4	AQ	17.95	233.7	1429	13
9/9/2010 16:00	21289	2_60	2010		252	1600	11.76	74.33	24.4	AQ	18.4	232.4	1532	13
9/9/2010 17:00	21290	2_60	2010		252	1700	12.31	74.13	24.4	AQ	16.66	238.3	1601	13
9/9/2010 18:00	21291	2_60	2010		252	1800	12.61	73.31	24.39	AQ	15.67	229.8	1706	13.01
9/9/2010 19:00	21292	2_60	2010		252	1900	12.8	71.01	24.39	AQ	13.21	210.6	1802	13.05
9/9/2010 20:00	21293	2_60	2010		252	2000	16.59	66.18	24.4	AQ	5.086	189.2	1957	13.1
9/9/2010 21:00	21294	2_60	2010		252	2100	17.31	64.61	24.4	AQ	7.612	183.2	2049	13.15
9/9/2010 22:00	21295	2_60	2010		252	2200	20.3	62.06	24.41	AQ	8.87	198.4	2114	13.18
9/9/2010 23:00	21296	2_60	2010		252	2300	25.92	58.54	24.41	AQ	5.154	199.2	2202	13.21
9/10/2010 0:00	21297	2_60	2010		253	0	23.03	60.78	24.43	AQ	8.36	198	2356	13.24
9/10/2010 1:00	21298	2_60	2010		253	100	23.9	60.92	24.45	AQ	7.339	192.2	0	13.24
9/10/2010 2:00	21299	2_60	2010		253	200	26.44	60.08	24.45	AQ	7.646	206.7	136	13.24
9/10/2010 3:00	21300	2_60	2010		253	300	27.63	59.41	24.47	AQ	7.475	204.2	212	13.23
9/10/2010 4:00	21301	2_60	2010		253	400	30.59	56.71	24.48	AQ	6.827	190.9	336	13.25
9/10/2010 5:00	21302	2_60	2010		253	500	30.08	56.34	24.5	AQ	7.782	185.3	440	13.27
9/10/2010 6:00	21303	2_60	2010		253	600	30.4	56.01	24.52	AQ	7.919	228.4	552	13.28
9/10/2010 7:00	21304	2_60	2010		253	700	31.3	56.11	24.55	AQ	7.987	225.2	600	13.29
9/10/2010 8:00	21305	2_60	2010		253	800	26.32	61.22	24.56	AQ	5.769	198.3	724	13.26
9/10/2010 9:00	21306	2_60	2010		253	900	22.71	63.67	24.57	AQ	10	249	853	13.21
9/10/2010 10:00	21307	2_60	2010		253	1000	22	65.67	24.59	AQ	10.1	267.3	934	13.16
9/10/2010 11:00	21308	2_60	2010		253	1100	19.76	67.16	24.59	AQ	10.14	249.7	1052	13.13
9/10/2010 12:00	21309	2_60	2010		253	1200	18.24	68.07	24.59	AQ	12.15	231.2	1138	13.1
9/10/2010 13:00	21310	2_60	2010		253	1300	15.73	69.28	24.59	AQ	11.61	265.1	1236	13.08
9/10/2010 14:00	21311	2_60	2010		253	1400	16.11	70.21	24.58	AQ	11.61	250	1306	13.06
9/10/2010 15:00	21312	2_60	2010		253	1500	14.84	71.13	24.58	AQ	11.47	263.7	1429	13.04
9/10/2010 16:00	21313	2_60	2010		253	1600	14.31	71.88	24.58	AQ	11.47	279.3	1549	13.03
9/10/2010 17:00	21314	2_60	2010		253	1700	14.14	71.51	24.59	AQ	11.33	262.6	1613	13.03
9/10/2010 18:00	21315	2_60	2010		253	1800	14.85	69.9	24.6	AQ	8.5	311.9	1725	13.04
9/10/2010 19:00	21316	2_60	2010		253	1900	20.91	62.43	24.61	AQ	4.915	299.6	1807	13.07
9/10/2010 20:00	21317	2_60	2010		253	2000	27.17	56.93	24.64	AQ	3.413	253.2	1906	13.19
9/10/2010 21:00	21318	2_60	2010		253	2100	28.83	55.33	24.66	AQ	2.628	139.6	2054	13.25
9/10/2010 22:00	21319	2_60	2010		253	2200	27.1	55.5	24.66	AQ	3.004	165.8	2111	13.29
9/10/2010 23:00	21320	2_60	2010		253	2300	27.13	54.8	24.67	AQ	4.506	144.1	2245	13.31

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/11/2010 0:00	21321	2_60	2010	254	0	0.9312972	276.9204	50.75334	1.398	7.602	0.796	5.302	10.1	14.14	4.042899
9/11/2010 1:00	21322	2_60	2010	254	100	2.000889	154.44	49.41275	1.533	16.77	6.487	19.99	9.51	12.31	2.793738
9/11/2010 2:00	21323	2_60	2010	254	200	2.513967	143.4216	14.46808	3.035	26.12	9.14	27.75	8.51	11.33	2.818677
9/11/2010 3:00	21324	2_60	2010	254	300	0.875885	193.0101	27.17601	0.926	10.84	1.507	10.38	7.603	10.75	3.150924
9/11/2010 4:00	21325	2_60	2010	254	400	1.842451	175.9019	36.49273	1.218	19.89	5.788	20.18	7.124	9.84	2.721018
9/11/2010 5:00	21326	2_60	2010	254	500	1.276443	209.9293	31.93494	2.725	11.43	5.588	14.54	6.524	9.31	2.786317
9/11/2010 6:00	21327	2_60	2010	254	600	2.196383	176.3824	48.81554	15.49	25.39	23.4	30.31	5.65	8.64	2.985631
9/11/2010 7:00	21328	2_60	2010	254	700	0.6202579	303.2762	46.85419	2.398	14.26	0.309	10.27	6.042	8.03	1.992874
9/11/2010 8:00	21329	2_60	2010	254	800	0.5307157	318.6944	36.02803	9.74	33.31	8.17	28.77	9.74	9.24	-0.5024489
9/11/2010 9:00	21330	2_60	2010	254	900	0.6630953	297.4806	52.17824	8.01	42.64	9.39	38.66	12.04	11.22	-0.8115329
9/11/2010 10:00	21331	2_60	2010	254	1000	1.279624	295.3289	44.52887	11.74	48.3	10.69	43.75	14.63	13.56	-1.067085
9/11/2010 11:00	21332	2_60	2010	254	1100	0.9813868	327.7079	49.69289	2.367	62.89	1.246	59.67	17.15	16.15	-1.003807
9/11/2010 12:00	21333	2_60	2010	254	1200	1.625996	313.4744	37.29721	4.34	57.55	0.372	55.98	20.27	19.11	-1.166727
9/11/2010 13:00	21334	2_60	2010	254	1300	2.990297	338.5836	27.8617	19.28	60	11.28	62.21	22.45	21.09	-1.364579
9/11/2010 14:00	21335	2_60	2010	254	1400	3.404532	323.3593	33.26186	17.4	59.31	10.06	61.72	23.86	22.36	-1.494981
9/11/2010 15:00	21336	2_60	2010	254	1500	2.878598	327.5281	32.47775	6.392	58.08	-0.606	59.15	24.82	23.53	-1.295501
9/11/2010 16:00	21337	2_60	2010	254	1600	2.095779	357.9331	37.98151	12.52	52.57	5.25	53.61	25.34	24.28	-1.05558
9/11/2010 17:00	21338	2_60	2010	254	1700	1.845471	301.0018	34.38702	-3.051	35.49	-0.577	37.6	25.4	24.56	-0.834831
9/11/2010 18:00	21339	2_60	2010	254	1800	1.593371	274.4699	19.49041	2.189	19.55	3.412	19.23	23.37	24.1	0.7298454
9/11/2010 19:00	21340	2_60	2010	254	1900	1.888107	254.7057	16.27538	1.832	11.55	8	12.45	17.93	23.62	5.689506
9/11/2010 20:00	21341	2_60	2010	254	2000	1.824702	269.7079	24.19375	5.681	12.51	8.57	13.37	17.36	22.34	4.981565
9/11/2010 21:00	21342	2_60	2010	254	2100	0.4537998	208.3357	25.66003	0.403	2.858	0.122	1.994	15.71	20.93	5.216908
9/11/2010 22:00	21343	2_60	2010	254	2200	1.264267	183.0789	11.88544	2.57	7.229	1.952	7.149	15.47	20.18	4.707663
9/11/2010 23:00	21344	2_60	2010	254	2300	3.615704	136.0157	25.39714	13.74	24.92	30.33	32.73	15.3	17.81	2.508233
9/12/2010 0:00	21345	2_60	2010	255	0	0.5039174	156.3269	52.75336	1.029	10.15	0.906	8.05	12.59	16.09	3.495757
9/12/2010 1:00	21346	2_60	2010	255	100	0.8471023	186.4443	34.26026	0.384	4.645	0.503	4.465	12.38	15.09	2.710793
9/12/2010 2:00	21347	2_60	2010	255	200	0.5957933	285.0861	31.86319	-0.003	3.332	-0.136	1.103	11.03	14.31	3.276661
9/12/2010 3:00	21348	2_60	2010	255	300	0.5245143	328.084	35.86825	1.015	5.879	0.781	5.756	11.06	14.05	2.989103
9/12/2010 4:00	21349	2_60	2010	255	400	0.4561611	225.4151	37.74986	-0.156	1.064	-0.228	0.287	9.64	12.91	3.27247
9/12/2010 5:00	21350	2_60	2010	255	500	0.2408944	138.8453	34.96556	-0.195	1.953	-0.31	1.413	9.56	12.4	2.838553
9/12/2010 6:00	21351	2_60	2010	255	600	0.6134559	258.9924	22.8433	0.546	4.274	0.066	2.53	8.03	11.71	3.677329
9/12/2010 7:00	21352	2_60	2010	255	700	0.3231839	227.2151	20.96592	-0.282	0.098	-0.233	0.125	9.6	11.61	2.013297
9/12/2010 8:00	21353	2_60	2010	255	800	0.8724426	309.3022	15.27354	5.851	20.52	3.323	14.18	12.56	12.04	-0.5237312
9/12/2010 9:00	21354	2_60	2010	255	900	0.8886296	342.1421	52.44756	0.04	34.04	-1.085	31.79	15.17	14.54	-0.6294295
9/12/2010 10:00	21355	2_60	2010	255	1000	1.260509	323.7684	28.22604	3.83	45.26	2.53	40.44	17.08	16.25	-0.8301009
9/12/2010 11:00	21356	2_60	2010	255	1100	1.125714	318.1377	37.23444	-0.102	47.85	-0.539	45.55	20.03	19.15	-0.8758142
9/12/2010 12:00	21357	2_60	2010	255	1200	1.197592	316.3669	38.29472	1.307	52.42	-1.497	49.85	23.17	22.15	-1.015697
9/12/2010 13:00	21358	2_60	2010	255	1300	1.470258	355.7925	50.7923	6.093	55.98	2.312	56.14	25.66	24.56	-1.101491
9/12/2010 14:00	21359	2_60	2010	255	1400	2.72855	338.6158	50.46659	3.258	76.73	4.739	81.9	27.56	26.31	-1.252287
9/12/2010 15:00	21360	2_60	2010	255	1500	4.109442	203.4614	31.92575	3.94	69.76	28.07	77.26	28.32	26.97	-1.359246
9/12/2010 16:00	21361	2_60	2010	255	1600	3.531822	214.0572	38.53465	4.008	60.17	22.05	65.52	28.74	27.47	-1.272764
9/12/2010 17:00	21362	2_60	2010	255	1700	3.869457	204.6629	22.53727	7.025	47.84	29.8	53.85	27.6	27.06	-0.5385898
9/12/2010 18:00	21363	2_60	2010	255	1800	4.062539	201.3868	20.99444	-1.28	59.23	21.69	64.19	26.58	26.45	-0.1373146
9/12/2010 19:00	21364	2_60	2010	255	1900	5.102151	213.4608	12.95041	1.634	53.12	37.03	60.39	25.27	25.64	0.3761029
9/12/2010 20:00	21365	2_60	2010	255	2000	2.95821	180.395	36.22346	10.01	19.26	30.72	31	22.8	24.47	1.678592
9/12/2010 21:00	21366	2_60	2010	255	2100	1.217559	245.9259	48.85675	3.542	14.2	3.391	12.99	21.03	23.5	2.474669
9/12/2010 22:00	21367	2_60	2010	255	2200	1.395966	176.6169	22.19398	0.624	5.294	2.624	7.336	18.69	22.8	4.10949
9/12/2010 23:00	21368	2_60	2010	255	2300	0.6831474	193.7326	32.37083	-0.048	5.284	-0.083	2.065	18.46	21.57	3.1153
9/13/2010 0:00	21369	2_60	2010	256	0	0.8195103	204.1267	33.97833	-0.414	5.013	0.248	2.846	16.86	19.99	3.130584
9/13/2010 1:00	21370	2_60	2010	256	100	1.214516	173.0547	34.57123	1.006	16.45	1.948	14.21	15.33	19.25	3.920412
9/13/2010 2:00	21371	2_60	2010	256	200	0.7617699	297.1782	41.47692	-2.419	7.708	-0.857	3.728	15.07	17.75	2.682583
9/13/2010 3:00	21372	2_60	2010	256	300	0.5631154	252.014	17.89952	0.185	2.32	-0.223	0.158	14.88	16.95	2.067855
9/13/2010 4:00	21373	2_60	2010	256	400	0.433861	241.3884	31.02272	-0.276	3.937	-0.073	1.603	14.77	16.74	1.971864
9/13/2010 5:00	21374	2_60	2010	256	500	1.293452	278.8413	19.81488	1.667	8.15	0.48	3.026	14.87	16.33	1.455169
9/13/2010 6:00	21375	2_60	2010	256	600	0.4189271	250.6922	8.283206	-0.729	2.309	-0.241	0.235	13.67	15.97	2.298268
9/13/2010 7:00	21376	2_60	2010	256	700	0.7919198	163.8699	41.21603	0.821	4.149	0.411	3.24	12.95	16.09	3.139068
9/13/2010 8:00	21377	2_60	2010	256	800	0.9445501	309.8178	21.6222	3.328	19.57	2.256	15.4	16.52	16.02	-0.4952159
9/13/2010 9:00	21378	2_60	2010	256	900	1.215228	322.7217	37.65675	0.988	33.58	0.176	29.33	18.75	17.92	-0.8354896
9/13/2010 10:00	21379	2_60	2010	256	1000	2.686199	314.0172	27.85359	18.84	50.79	12.09	50.92	21.32	20.07	-1.251026
9/13/2010 11:00	21380	2_60	2010	256	1100	1.518357	317.7538	28.35564	19.11	49.74	15.31	48.75	22.8	21.7	-1.104356
9/13/2010 12:00	21381	2_60	2010	256	1200	2.597106	312.3419	20.13051	8.73	41.42	3.008	42.81	25.74	24.54	-1.199343
9/13/2010 13:00	21382	2_60	2010	256	1300	4.283493	259.9114	34.29952	0.014	83.7	15.76	91.2	28.21	26.83	-1.377694
9/13/2010 14:00	21383	2_60	2010	256	1400	4.869479	220.8574	42.64612	14.05	95.7	37.74	102.2	29.02	27.58	-1.43513
9/13/2010 15:00	21384	2_60	2010	256	1500	5.785069	189.3951	35.85508	13.91	81.5	45.71	90.8	29.47	27.87	-1.597293
9/13/2010 16:00	21385	2_60	2010	256	1600	4.667235	204.2361	27.29453	5.157	72.62	33.86	82.1	29.29	28.03	-1.258838
9/13/2010 17:00	21386	2_60	2010	256	1700	3.92361	188.5703	23.9351	-4.251	72.44	16.67	80.7	28.89	27.98	-0.9051172
9/13/2010 18:00	21387	2_60	2010	256	1800	4.846124	179.8489	14.82789	14.69	49.87	43.88	56.2	27.7	27.62	-0.08464047
9/13/2010 19:00	21388	2_60	2010	256	1900	5.214276	188.5041	14.27248	10.58	54.68	45.88	63.13	26.02	26.74	0.7137918
9/13/2010 20:00	21389	2_60	2010	256	2000	6.579643	198.9375	5.977722	12.13	35.47	64.39	42.89	24.82	25.89	1.068397
9/13/2010 21:00	21390	2_60	2010	256	2100	5.299269	218.4102	26.06982	14.57	30.26	55.87	41.41	23.02	24.61	1.584845
9/13/2010 22:00	21391	2_60	2010	256	2200	1.478595	239.222	24.59921	-3.904	31.64	-1.71	32.47	19.91	22.9	2.981926
9/13/2010 23:00	21392	2_60	2010	256	2300	0.6950101	194.2252	23.09694	1.479	6.759	1.907	7.355	17.53	21.83	4.298729

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/11/2010 0:00	21321	2_60	2010	254	0	33.14	51.09	24.68	AQ	2.185	251	2345	13.34
9/11/2010 1:00	21322	2_60	2010	254	100	35.87	49.58	24.69	AQ	6.315	129.5	58	13.38
9/11/2010 2:00	21323	2_60	2010	254	200	41.43	47.9	24.7	AQ	5.734	133	100	13.4
9/11/2010 3:00	21324	2_60	2010	254	300	43.78	46.22	24.71	AQ	4.096	120.3	256	13.43
9/11/2010 4:00	21325	2_60	2010	254	400	46.41	45.59	24.72	AQ	4.164	142	333	13.45
9/11/2010 5:00	21326	2_60	2010	254	500	49.83	44.27	24.73	AQ	5.257	142.1	452	13.47
9/11/2010 6:00	21327	2_60	2010	254	600	53.14	42.8	24.74	AQ	5.427	136.4	509	13.49
9/11/2010 7:00	21328	2_60	2010	254	700	52.07	44.54	24.76	AQ	1.604	296.7	634	13.5
9/11/2010 8:00	21329	2_60	2010	254	800	37.05	52.6	24.76	AQ	1.877	316.8	725	13.44
9/11/2010 9:00	21330	2_60	2010	254	900	30.78	56.78	24.76	AQ	2.185	320.5	825	13.34
9/11/2010 10:00	21331	2_60	2010	254	1000	28.16	60.37	24.75	AQ	3.345	326.4	957	13.26
9/11/2010 11:00	21332	2_60	2010	254	1100	22.68	64.74	24.73	AQ	3.891	304.6	1001	13.18
9/11/2010 12:00	21333	2_60	2010	254	1200	15.17	70.17	24.72	AQ	4.881	335.4	1157	13.12
9/11/2010 13:00	21334	2_60	2010	254	1300	12.21	73.5	24.7	AQ	6.963	341.6	1244	13.06
9/11/2010 14:00	21335	2_60	2010	254	1400	10	75.78	24.68	AQ	7.066	328.5	1348	13.02
9/11/2010 15:00	21336	2_60	2010	254	1500	9.48	77.87	24.66	AQ	6.042	320.2	1416	12.99
9/11/2010 16:00	21337	2_60	2010	254	1600	9.22	78.99	24.65	AQ	5.564	0.693	1531	12.97
9/11/2010 17:00	21338	2_60	2010	254	1700	9.35	78.89	24.65	AQ	5.666	257.6	1639	12.97
9/11/2010 18:00	21339	2_60	2010	254	1800	12.34	75.94	24.65	AQ	3.277	268.8	1707	12.98
9/11/2010 19:00	21340	2_60	2010	254	1900	20.38	64.49	24.65	AQ	3.652	275.8	1849	13.05
9/11/2010 20:00	21341	2_60	2010	254	2000	20.25	63.93	24.67	AQ	3.755	243.1	1918	13.14
9/11/2010 21:00	21342	2_60	2010	254	2100	24.2	60.89	24.69	AQ	1.843	214.3	2055	13.2
9/11/2010 22:00	21343	2_60	2010	254	2200	25.18	60.15	24.69	AQ	2.662	162.3	2157	13.25
9/11/2010 23:00	21344	2_60	2010	254	2300	23.87	60.11	24.69	AQ	7.305	127.2	2224	13.27
9/12/2010 0:00	21345	2_60	2010	255	0	30.56	55.14	24.7	AQ	2.56	141.5	2300	13.29
9/12/2010 1:00	21346	2_60	2010	255	100	30.69	54.94	24.71	AQ	1.98	260.7	42	13.32
9/12/2010 2:00	21347	2_60	2010	255	200	34.01	52.39	24.72	AQ	1.434	269.1	125	13.34
9/12/2010 3:00	21348	2_60	2010	255	300	33.11	52.62	24.72	AQ	1.502	226.1	252	13.36
9/12/2010 4:00	21349	2_60	2010	255	400	37.64	49.89	24.72	AQ	1.399	168	348	13.38
9/12/2010 5:00	21350	2_60	2010	255	500	38.16	49.58	24.73	AQ	0.956	190.1	406	13.41
9/12/2010 6:00	21351	2_60	2010	255	600	44.08	47.17	24.75	AQ	1.741	214.2	510	13.43
9/12/2010 7:00	21352	2_60	2010	255	700	39.88	50.41	24.76	AQ	1.126	218.1	607	13.43
9/12/2010 8:00	21353	2_60	2010	255	800	30.58	57.09	24.77	AQ	2.048	317.1	747	13.37
9/12/2010 9:00	21354	2_60	2010	255	900	24.22	62.04	24.77	AQ	3.447	319.5	859	13.29
9/12/2010 10:00	21355	2_60	2010	255	1000	23.36	64.73	24.76	AQ	3.345	321.9	904	13.2
9/12/2010 11:00	21356	2_60	2010	255	1100	17.7	70.13	24.73	AQ	3.379	313	1034	13.14
9/12/2010 12:00	21357	2_60	2010	255	1200	13.98	75.46	24.72	AQ	3.618	330.4	1143	13.07
9/12/2010 13:00	21358	2_60	2010	255	1300	12.18	79.76	24.69	AQ	5.12	34.49	1250	13.02
9/12/2010 14:00	21359	2_60	2010	255	1400	10.87	82.7	24.66	AQ	11.09	242.1	1353	12.97
9/12/2010 15:00	21360	2_60	2010	255	1500	10.07	83.6	24.65	AQ	8.4	238.2	1438	12.96
9/12/2010 16:00	21361	2_60	2010	255	1600	9.49	84.5	24.64	AQ	8.67	158.2	1517	12.94
9/12/2010 17:00	21362	2_60	2010	255	1700	9.65	82.2	24.64	AQ	8.19	176.1	1644	12.95
9/12/2010 18:00	21363	2_60	2010	255	1800	10.56	80.2	24.64	AQ	9.11	182.1	1728	12.99
9/12/2010 19:00	21364	2_60	2010	255	1900	12.32	77.93	24.64	AQ	8.29	226.5	1814	13.02
9/12/2010 20:00	21365	2_60	2010	255	2000	14.85	73.67	24.65	AQ	5.939	203.4	1904	13.06
9/12/2010 21:00	21366	2_60	2010	255	2100	17.64	70.3	24.65	AQ	4.471	353.3	2050	13.1
9/12/2010 22:00	21367	2_60	2010	255	2200	21.49	66.16	24.66	AQ	3.174	194	2107	13.14
9/12/2010 23:00	21368	2_60	2010	255	2300	22.39	65.65	24.66	AQ	2.15	135.9	2243	13.17
9/13/2010 0:00	21369	2_60	2010	256	0	25.48	62.95	24.65	AQ	1.536	271.4	2313	13.19
9/13/2010 1:00	21370	2_60	2010	256	100	27.72	60.49	24.66	AQ	4.13	149.2	20	13.22
9/13/2010 2:00	21371	2_60	2010	256	200	30.39	59.38	24.66	AQ	2.458	266.4	114	13.25
9/13/2010 3:00	21372	2_60	2010	256	300	32.1	59.19	24.66	AQ	1.365	348.3	215	13.26
9/13/2010 4:00	21373	2_60	2010	256	400	33.89	59.04	24.66	AQ	1.502	268.8	307	13.26
9/13/2010 5:00	21374	2_60	2010	256	500	34.16	59.26	24.67	AQ	2.423	304.7	440	13.26
9/13/2010 6:00	21375	2_60	2010	256	600	36.64	57.23	24.67	AQ	1.638	290.2	501	13.28
9/13/2010 7:00	21376	2_60	2010	256	700	40.2	55.96	24.69	AQ	1.843	182.6	604	13.3
9/13/2010 8:00	21377	2_60	2010	256	800	29.26	64.08	24.68	AQ	2.389	292.3	734	13.27
9/13/2010 9:00	21378	2_60	2010	256	900	25.72	67.94	24.68	AQ	3.174	301.6	820	13.19
9/13/2010 10:00	21379	2_60	2010	256	1000	22.86	71.73	24.68	AQ	6.212	306.8	934	13.12
9/13/2010 11:00	21380	2_60	2010	256	1100	20.46	74.67	24.66	AQ	3.618	304.6	1034	13.08
9/13/2010 12:00	21381	2_60	2010	256	1200	16.17	79.26	24.63	AQ	5.188	336.9	1149	13.03
9/13/2010 13:00	21382	2_60	2010	256	1300	14.47	83.4	24.61	AQ	11.23	191.6	1241	12.99
9/13/2010 14:00	21383	2_60	2010	256	1400	14	84.7	24.6	AQ	12.6	179.3	1358	12.96
9/13/2010 15:00	21384	2_60	2010	256	1500	13.34	85.3	24.58	AQ	11.13	223.2	1416	12.95
9/13/2010 16:00	21385	2_60	2010	256	1600	12.6	85.3	24.58	AQ	11.57	173.4	1505	12.94
9/13/2010 17:00	21386	2_60	2010	256	1700	12.17	84.5	24.57	AQ	8.43	157.8	1650	12.94
9/13/2010 18:00	21387	2_60	2010	256	1800	12.2	82.4	24.57	AQ	8.67	170.6	1741	12.96
9/13/2010 19:00	21388	2_60	2010	256	1900	12.62	79.27	24.58	AQ	9.9	184.7	1847	13
9/13/2010 20:00	21389	2_60	2010	256	2000	12.8	77.1	24.6	AQ	8.57	201.5	1904	13.04
9/13/2010 21:00	21390	2_60	2010	256	2100	14.55	73.99	24.62	AQ	7.339	214.1	2035	13.08
9/13/2010 22:00	21391	2_60	2010	256	2200	19.02	68.62	24.62	AQ	3.447	212.1	2140	13.12
9/13/2010 23:00	21392	2_60	2010	256	2300	22.82	64.2	24.62	AQ	2.389	207.2	2205	13.17

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/14/2010 0:00	21393	2_60	2010	257	0	1.194863	178.0006	44.88699	0.286	8.99	1.365	8.61	16.39	20.94	4.549821
9/14/2010 1:00	21394	2_60	2010	257	100	2.064775	275.7446	33.95787	6.329	21.66	3.769	17.26	15.62	18.45	2.834588
9/14/2010 2:00	21395	2_60	2010	257	200	1.841286	263.7991	19.66817	-0.984	15.28	3.237	12.61	14.13	16.19	2.05632
9/14/2010 3:00	21396	2_60	2010	257	300	0.4173625	216.7581	23.37086	-0.284	0.368	-0.275	0.088	13.2	16.84	3.646549
9/14/2010 4:00	21397	2_60	2010	257	400	0.5505129	254.1811	23.21812	2.142	5.841	0.082	2.505	11.93	16.36	4.425219
9/14/2010 5:00	21398	2_60	2010	257	500	0.5602947	276.8516	25.08875	0.483	3.082	-0.222	0.166	11.51	15.39	3.874665
9/14/2010 6:00	21399	2_60	2010	257	600	0.8005624	314.7812	19.22906	1.474	7.406	0.998	4.613	10.66	13.46	2.795087
9/14/2010 7:00	21400	2_60	2010	257	700	0.3066904	185.3787	29.97132	-0.257	1.151	-0.258	0.191	10.66	13	2.342055
9/14/2010 8:00	21401	2_60	2010	257	800	0.8664449	299.0656	16.23527	5.469	18.27	3.564	15.2	14.7	14.2	-0.4911749
9/14/2010 9:00	21402	2_60	2010	257	900	0.8861833	312.5771	29.5132	3.797	36.34	2.796	31.3	17.1	16.38	-0.7165876
9/14/2010 10:00	21403	2_60	2010	257	1000	0.9099929	9.067161	49.43562	-1.883	51.42	-2.904	46.77	19.96	19.16	-0.8033594
9/14/2010 11:00	21404	2_60	2010	257	1100	0.9145995	34.27534	46.34352	3.805	50.74	3.845	49.37	23.34	22.39	-0.9502251
9/14/2010 12:00	21405	2_60	2010	257	1200	1.644793	342.5153	52.89819	-1.998	68.63	-2.137	67.94	26.62	25.48	-1.134811
9/14/2010 13:00	21406	2_60	2010	257	1300	4.252434	197.9045	46.05942	10.39	79.57	33.36	86.3	28.65	27.18	-1.472479
9/14/2010 14:00	21407	2_60	2010	257	1400	5.163057	198.1479	40.53973	-1.086	78.5	25.31	90.3	29.14	27.49	-1.6561
9/14/2010 15:00	21408	2_60	2010	257	1500	4.57223	198.5053	32.14885	18.72	73.65	44.82	78.91	29.5	28	-1.503084
9/14/2010 16:00	21409	2_60	2010	257	1600	5.279591	183.7776	34.47411	3.648	83.1	31.45	92.9	29.33	28.04	-1.28946
9/14/2010 17:00	21410	2_60	2010	257	1700	4.569526	194.9178	29.4447	1.1	86.4	26.79	91.8	28.97	28.09	-0.8787351
9/14/2010 18:00	21411	2_60	2010	257	1800	3.629637	189.8816	46.28053	11.92	94	30.16	96.3	27.94	27.66	-0.2838214
9/14/2010 19:00	21412	2_60	2010	257	1900	2.771383	222.0321	40.97269	9.42	45.56	24.38	46.44	25.02	26.81	1.790955
9/14/2010 20:00	21413	2_60	2010	257	2000	3.274344	210.4766	9.998099	7.442	13.3	30.26	18.44	21.62	25.63	4.015722
9/14/2010 21:00	21414	2_60	2010	257	2100	3.725686	196.7361	7.82157	32.57	15.62	62.48	18.95	19.21	24.76	5.541382
9/14/2010 22:00	21415	2_60	2010	257	2200	1.845976	191.7603	26.63934	-1.602	30.26	6.07	30.31	21.01	22.65	1.635152
9/14/2010 23:00	21416	2_60	2010	257	2300	1.161005	241.9328	45.57456	-2.141	16.48	0.005	12.24	20.44	22.11	1.665522
9/15/2010 0:00	21417	2_60	2010	258	0	0.7276074	321.7314	27.66931	0.186	9.48	-0.136	6.39	18.65	20.61	1.959289
9/15/2010 1:00	21418	2_60	2010	258	100	0.7588388	260.7251	35.62065	1.092	10.58	0.861	7.518	16.99	19.47	2.482868
9/15/2010 2:00	21419	2_60	2010	258	200	0.9189816	137.4526	34.96441	1.561	7.222	0.616	5.133	14.73	19.45	4.718761
9/15/2010 3:00	21420	2_60	2010	258	300	0.701634	164.4567	35.02971	-0.222	2.571	0.031	2.597	15.43	19.04	3.604062
9/15/2010 4:00	21421	2_60	2010	258	400	1.583355	245.0813	18.71957	2.378	14.54	3.229	10.15	15.05	18.18	3.128454
9/15/2010 5:00	21422	2_60	2010	258	500	0.9251243	273.3633	46.89602	0.207	5.731	-0.253	2.041	14.7	16.97	2.275243
9/15/2010 6:00	21423	2_60	2010	258	600	2.369924	285.9302	15.00592	6.644	18.8	4.009	10.83	12.05	14.5	2.443464
9/15/2010 7:00	21424	2_60	2010	258	700	1.134167	83.82097	29.36143	-0.327	2.304	-0.288	0.88	11.77	15.1	3.331545
9/15/2010 8:00	21425	2_60	2010	258	800	0.6475071	257.2536	31.40212	1.15	8.94	0.141	3.505	15.72	15.43	-0.2861784
9/15/2010 9:00	21426	2_60	2010	258	900	0.7898706	322.0599	28.1847	6.704	39.33	4.675	35.05	18.79	18.12	-0.6662021
9/15/2010 10:00	21427	2_60	2010	258	1000	1.080772	316.508	52.19753	6.785	50.06	5.496	45.9	21.06	20.15	-0.9083228
9/15/2010 11:00	21428	2_60	2010	258	1100	1.086803	1.277451	50.66965	9.36	48.74	6.162	47.04	23.86	22.92	-0.9381483
9/15/2010 12:00	21429	2_60	2010	258	1200	2.875301	319.0428	55.88485	16.82	61.32	13.5	64.64	26.66	25.25	-1.405176
9/15/2010 13:00	21430	2_60	2010	258	1300	3.504122	329.2961	45.10393	16.84	65.73	10.27	70.59	27.74	26.13	-1.613058
9/15/2010 14:00	21431	2_60	2010	258	1400	4.496195	300.1492	22.92264	14.7	59.86	13.77	63.52	28.45	26.83	-1.625034
9/15/2010 15:00	21432	2_60	2010	258	1500	2.792952	277.7156	48.25128	7.493	54.61	10.67	55.66	28.79	27.31	-1.485685
9/15/2010 16:00	21433	2_60	2010	258	1600	3.170638	280.9665	29.47055	-2.467	48.46	5.725	49.25	28.97	27.71	-1.256965
9/15/2010 17:00	21434	2_60	2010	258	1700	3.242635	294.3865	19.25463	14.64	43.23	14.17	44.69	28.75	27.8	-0.9539576
9/15/2010 18:00	21435	2_60	2010	258	1800	2.923285	273.1703	14.14693	3.319	20.84	11.68	19.38	26.75	27.22	0.4673707
9/15/2010 19:00	21436	2_60	2010	258	1900	2.317983	231.9191	24.852	7.324	20.39	18.27	22.36	22.48	25.82	3.344097
9/15/2010 20:00	21437	2_60	2010	258	2000	1.734399	218.0202	19.37454	1.002	15.27	6.202	15.05	21.43	24.92	3.488618
9/15/2010 21:00	21438	2_60	2010	258	2100	2.128826	210.3722	14.5537	8.89	13.94	18.89	20.79	19.36	24.33	4.966152
9/15/2010 22:00	21439	2_60	2010	258	2200	1.483347	224.7357	34.16821	1.628	9.14	2.374	7.081	18.24	22.86	4.614509
9/15/2010 23:00	21440	2_60	2010	258	2300	1.997619	203.2355	24.84385	1.955	10.97	6.187	14.97	17.52	21.53	4.008365
9/16/2010 0:00	21441	2_60	2010	259	0	2.706101	132.3882	27.23205	5.823	22.68	13.4	25.52	16.03	19.36	3.332138
9/16/2010 1:00	21442	2_60	2010	259	100	2.330789	170.1427	28.86636	2.905	15.22	9.09	16.86	15.01	18.14	3.129974
9/16/2010 2:00	21443	2_60	2010	259	200	1.131488	255.8927	36.51694	-2.65	14.08	0.555	9.53	13.68	16.73	3.046198
9/16/2010 3:00	21444	2_60	2010	259	300	1.392235	258.4003	25.51867	1.291	9.83	2.792	8.06	12.48	15.75	3.269015
9/16/2010 4:00	21445	2_60	2010	259	400	0.3138825	276.9954	31.33448	0.169	3.382	-0.018	2.24	12.89	15.85	2.964239
9/16/2010 5:00	21446	2_60	2010	259	500	0.527011	226.4387	38.60629	-0.786	3.834	-0.225	0.207	12.14	15.52	3.381968
9/16/2010 6:00	21447	2_60	2010	259	600	0.7258149	286.1979	28.36862	0.623	3.263	-0.257	0.256	12.4	14.48	2.078256
9/16/2010 7:00	21448	2_60	2010	259	700	0.7618298	113.0836	21.39563	0.011	2.145	0.008	1.946	11.87	13.83	1.956232
9/16/2010 8:00	21449	2_60	2010	259	800	0.6677895	307.9158	26.77343	4.242	17.74	2.753	14	14.75	14.33	-0.4180044
9/16/2010 9:00	21450	2_60	2010	259	900	0.5525599	308.517	35.28625	3.133	40.88	3.901	33.24	17.2	16.55	-0.6505127
9/16/2010 10:00	21451	2_60	2010	259	1000	0.9064656	315.6778	41.34509	10.15	48.91	9.25	45.49	20.47	19.5	-0.9702393
9/16/2010 11:00	21452	2_60	2010	259	1100	1.035661	9.198359	47.28152	23.94	56.44	21.2	54.71	23.75	22.74	-1.012725
9/16/2010 12:00	21453	2_60	2010	259	1200	2.551605	347.6291	40.23951	12.66	56.33	8.09	57.91	27.07	25.74	-1.322831
9/16/2010 13:00	21454	2_60	2010	259	1300	4.627436	306.5048	18.32997	18.86	64.13	12.22	69.19	28.5	26.83	-1.67694
9/16/2010 14:00	21455	2_60	2010	259	1400	4.220951	307.1122	35.08352	20.9	56.53	18.4	63.06	29.37	27.62	-1.753651
9/16/2010 15:00	21456	2_60	2010	259	1500	3.762052	305.1943	46.52108	19.46	62.22	19.16	68.41	29.38	28.14	-1.241055
9/16/2010 16:00	21457	2_60	2010	259	1600	3.736507	281.5476	44.11316	11.06	57.55	15.42	58.7	30	28.61	-1.393315
9/16/2010 17:00	21458	2_60	2010	259	1700	3.595768	290.6606	21.1722	12.87	42.05	15.68	43.75	29.65	28.63	-1.019841
9/16/2010 18:00	21459	2_60	2010	259	1800	2.806975	296.9588	18.79428	12.09	24.65	9.64	23.76	27.3	27.92	0.6209968
9/16/2010 19:00	21460	2_60	2010	259	1900	2.252251	257.7676	11.00333	3.369	13.85	9.9	12.9	23.17	26.71	3.534022
9/16/2010 20:00	21461	2_60	2010	259	2000	1.981941	282.0333	13.10076	2.182	12.09	8.18	11.22	21.35	26.15	4.804673
9/16/2010 21:00	21462	2_60	2010	259	2100	1.214892	242.9787	15.71728	1.745	5.224	1.296	5.552	19.52	25.14	5.62344
9/16/2010 22:00	21463	2_60	2010	259	2200	1.909418	160.6123	44.11772	3.08	10.64	8.57	14.06	19.37	23.62	4.245962
9/16/2010 23:00	21464	2_60	2010	259	2300	2.475169	127.0053	29.62354	0.918	19.38	8.84	22.5	18.21	21.64	3.431082

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/14/2010 0:00	21393	2_60	2010	257	0	24.43	62.14	24.62	AQ	2.935	124.5	2355	13.22
9/14/2010 1:00	21394	2_60	2010	257	100	25.85	60.83	24.63	AQ	5.495	292.2	31	13.25
9/14/2010 2:00	21395	2_60	2010	257	200	29.17	58.08	24.63	AQ	3.994	259.9	132	13.28
9/14/2010 3:00	21396	2_60	2010	257	300	31.17	56.51	24.63	AQ	1.126	198.8	240	13.31
9/14/2010 4:00	21397	2_60	2010	257	400	34.75	54.07	24.64	AQ	2.048	302.7	336	13.33
9/14/2010 5:00	21398	2_60	2010	257	500	35.8	53.23	24.65	AQ	2.082	308	443	13.36
9/14/2010 6:00	21399	2_60	2010	257	600	38.79	51.6	24.66	AQ	2.389	298.1	533	13.38
9/14/2010 7:00	21400	2_60	2010	257	700	38.46	53.33	24.67	AQ	1.297	170.8	621	13.39
9/14/2010 8:00	21401	2_60	2010	257	800	29.93	60.95	24.68	AQ	2.082	308.5	752	13.34
9/14/2010 9:00	21402	2_60	2010	257	900	26.56	65.35	24.68	AQ	2.799	306.2	846	13.21
9/14/2010 10:00	21403	2_60	2010	257	1000	23.15	70.05	24.67	AQ	2.56	19.28	953	13.17
9/14/2010 11:00	21404	2_60	2010	257	1100	17.84	75.84	24.65	AQ	2.935	311.1	1049	13.1
9/14/2010 12:00	21405	2_60	2010	257	1200	13.5	81.2	24.62	AQ	8.5	240.4	1149	13.03
9/14/2010 13:00	21406	2_60	2010	257	1300	10.57	84.3	24.6	AQ	11.88	153.5	1255	12.98
9/14/2010 14:00	21407	2_60	2010	257	1400	10.05	85	24.57	AQ	14.71	163.4	1316	12.96
9/14/2010 15:00	21408	2_60	2010	257	1500	10.3	85.6	24.56	AQ	10.21	234.5	1454	12.94
9/14/2010 16:00	21409	2_60	2010	257	1600	10.42	85.3	24.55	AQ	14.44	177.5	1518	12.94
9/14/2010 17:00	21410	2_60	2010	257	1700	10.75	84.6	24.54	AQ	12.8	151.4	1615	12.94
9/14/2010 18:00	21411	2_60	2010	257	1800	11.24	83	24.54	AQ	9.42	198.4	1708	12.96
9/14/2010 19:00	21412	2_60	2010	257	1900	13.69	77.75	24.55	AQ	6.622	189.3	1800	13
9/14/2010 20:00	21413	2_60	2010	257	2000	17.84	71.44	24.57	AQ	4.745	217.7	1942	13.07
9/14/2010 21:00	21414	2_60	2010	257	2100	21.86	67.14	24.58	AQ	4.676	201.1	2016	13.12
9/14/2010 22:00	21415	2_60	2010	257	2200	19.2	70.08	24.58	AQ	4.164	227.7	2104	13.16
9/14/2010 23:00	21416	2_60	2010	257	2300	20.17	69.11	24.58	AQ	3.072	178.5	2208	13.17
9/15/2010 0:00	21417	2_60	2010	258	0	22.87	65.97	24.57	AQ	2.287	310.6	2354	13.2
9/15/2010 1:00	21418	2_60	2010	258	100	25.64	63.23	24.58	AQ	2.321	280.6	49	13.23
9/15/2010 2:00	21419	2_60	2010	258	200	30.53	59.28	24.59	AQ	2.219	248.6	133	13.26
9/15/2010 3:00	21420	2_60	2010	258	300	29.75	60.11	24.6	AQ	1.98	76.31	200	13.27
9/15/2010 4:00	21421	2_60	2010	258	400	30.41	59.68	24.6	AQ	3.038	298.8	340	13.27
9/15/2010 5:00	21422	2_60	2010	258	500	30.83	59.18	24.61	AQ	2.082	292.3	407	13.28
9/15/2010 6:00	21423	2_60	2010	258	600	36.92	54.43	24.63	AQ	4.369	272.5	513	13.31
9/15/2010 7:00	21424	2_60	2010	258	700	38.45	54.23	24.65	AQ	2.321	90.5	615	13.34
9/15/2010 8:00	21425	2_60	2010	258	800	29.33	62.69	24.66	AQ	2.116	271.8	716	13.28
9/15/2010 9:00	21426	2_60	2010	258	900	23.74	68.41	24.67	AQ	2.492	326.1	841	13.18
9/15/2010 10:00	21427	2_60	2010	258	1000	21.42	71.95	24.66	AQ	2.901	0.368	907	13.14
9/15/2010 11:00	21428	2_60	2010	258	1100	17.42	76.83	24.64	AQ	4.13	2.918	1058	13.08
9/15/2010 12:00	21429	2_60	2010	258	1200	13.73	80.9	24.62	AQ	7.817	208.2	1141	13.02
9/15/2010 13:00	21430	2_60	2010	258	1300	13.39	82.7	24.6	AQ	7.236	305.2	1226	12.98
9/15/2010 14:00	21431	2_60	2010	258	1400	11.93	84	24.58	AQ	10.04	271.6	1333	12.96
9/15/2010 15:00	21432	2_60	2010	258	1500	10.58	85.1	24.56	AQ	8.19	291.4	1404	12.94
9/15/2010 16:00	21433	2_60	2010	258	1600	10.48	85.6	24.56	AQ	7.305	235.7	1510	12.93
9/15/2010 17:00	21434	2_60	2010	258	1700	10.94	84.8	24.55	AQ	7.578	286.7	1614	12.94
9/15/2010 18:00	21435	2_60	2010	258	1800	12.24	81.7	24.56	AQ	4.471	275.1	1718	12.96
9/15/2010 19:00	21436	2_60	2010	258	1900	16.25	72.95	24.58	AQ	4.506	218.4	1851	13.02
9/15/2010 20:00	21437	2_60	2010	258	2000	17.38	70.98	24.6	AQ	3.072	229.2	1910	13.09
9/15/2010 21:00	21438	2_60	2010	258	2100	19.38	67.22	24.6	AQ	3.994	204.4	2028	13.14
9/15/2010 22:00	21439	2_60	2010	258	2200	20.62	65.33	24.61	AQ	2.731	303.3	2127	13.18
9/15/2010 23:00	21440	2_60	2010	258	2300	21.93	63.77	24.61	AQ	6.997	128.4	2255	13.22
9/16/2010 0:00	21441	2_60	2010	259	0	24.57	61.66	24.62	AQ	6.315	126.9	2300	13.23
9/16/2010 1:00	21442	2_60	2010	259	100	27.66	59.47	24.62	AQ	5.291	135.9	0	13.26
9/16/2010 2:00	21443	2_60	2010	259	200	31.39	57.25	24.63	AQ	2.697	272.8	151	13.29
9/16/2010 3:00	21444	2_60	2010	259	300	34.21	55.2	24.62	AQ	3.004	290	227	13.31
9/16/2010 4:00	21445	2_60	2010	259	400	33.83	55.49	24.64	AQ	1.161	330.9	331	13.33
9/16/2010 5:00	21446	2_60	2010	259	500	36.1	54.22	24.64	AQ	1.468	272.3	454	13.35
9/16/2010 6:00	21447	2_60	2010	259	600	35.19	54.67	24.66	AQ	1.707	288.8	557	13.36
9/16/2010 7:00	21448	2_60	2010	259	700	36.57	54.86	24.67	AQ	1.502	273.1	611	13.36
9/16/2010 8:00	21449	2_60	2010	259	800	29.88	61.2	24.68	AQ	2.253	307.8	752	13.32
9/16/2010 9:00	21450	2_60	2010	259	900	25.7	65.79	24.68	AQ	1.911	292.8	857	13.24
9/16/2010 10:00	21451	2_60	2010	259	1000	22.5	71.07	24.68	AQ	2.833	0.162	941	13.16
9/16/2010 11:00	21452	2_60	2010	259	1100	18.69	76.57	24.66	AQ	3.618	11.82	1058	13.09
9/16/2010 12:00	21453	2_60	2010	259	1200	15.14	81.8	24.63	AQ	7.851	292.7	1156	13.02
9/16/2010 13:00	21454	2_60	2010	259	1300	13.8	84.1	24.61	AQ	8.36	293.4	1201	12.98
9/16/2010 14:00	21455	2_60	2010	259	1400	12.99	85.6	24.59	AQ	9.01	317.3	1340	12.95
9/16/2010 15:00	21456	2_60	2010	259	1500	12.78	85.7	24.58	AQ	8.94	321.7	1410	12.94
9/16/2010 16:00	21457	2_60	2010	259	1600	12.08	87.3	24.57	AQ	8.29	291.4	1506	12.93
9/16/2010 17:00	21458	2_60	2010	259	1700	12.41	86.3	24.56	AQ	7.305	272	1627	12.93
9/16/2010 18:00	21459	2_60	2010	259	1800	13.86	83.1	24.55	AQ	4.847	305.6	1735	12.95
9/16/2010 19:00	21460	2_60	2010	259	1900	18.4	74.43	24.56	AQ	3.277	294.6	1805	13.01
9/16/2010 20:00	21461	2_60	2010	259	2000	20.82	70.94	24.57	AQ	3.243	273.7	1909	13.08
9/16/2010 21:00	21462	2_60	2010	259	2100	22.73	68.2	24.57	AQ	2.458	250	2015	13.13
9/16/2010 22:00	21463	2_60	2010	259	2200	22.43	67.37	24.58	AQ	4.642	138.5	2139	13.17
9/16/2010 23:00	21464	2_60	2010	259	2300	24.26	65.43	24.58	AQ	5.325	121.5	2222	13.2

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/17/2010 0:00	21465	2_60	2010	260	0	1.732885	229.5515	26.91797	0.595	12.11	3.415	11.37	15.97	19.07	3.100984
9/17/2010 1:00	21466	2_60	2010	260	100	1.425622	264.9514	21.77321	-0.65	13.04	1.124	9.22	14.75	17.46	2.711389
9/17/2010 2:00	21467	2_60	2010	260	200	0.8376903	193.1654	15.48509	3.452	9.83	2.666	8.62	13.17	17.23	4.054924
9/17/2010 3:00	21468	2_60	2010	260	300	0.6768828	187.6801	29.45351	0.014	5.763	-0.248	3.509	12.73	17.29	4.554719
9/17/2010 4:00	21469	2_60	2010	260	400	1.060942	271.4301	29.38011	-0.387	4.821	0.33	3.108	12.93	15.79	2.857891
9/17/2010 5:00	21470	2_60	2010	260	500	0.4914032	237.4363	35.81627	1.323	6.006	0.056	1.825	11.98	15.25	3.273077
9/17/2010 6:00	21471	2_60	2010	260	600	0.7848685	267.7621	27.36237	1.412	5.8	-0.152	1.617	11.67	14.49	2.821887
9/17/2010 7:00	21472	2_60	2010	260	700	1.186101	274.3272	15.77024	-0.025	8.26	0.506	4.999	11.52	13.48	1.958093
9/17/2010 8:00	21473	2_60	2010	260	800	1.229164	278.8514	16.42412	4.039	17.74	4.127	12.53	14.43	13.98	-0.4526338
9/17/2010 9:00	21474	2_60	2010	260	900	0.7852653	333.1476	36.07046	9.67	39.75	7.571	35.65	17.69	16.96	-0.7267674
9/17/2010 10:00	21475	2_60	2010	260	1000	0.8631142	15.8286	48.78524	-6.781	50.41	-7.545	46.04	20.54	19.72	-0.8213363
9/17/2010 11:00	21476	2_60	2010	260	1100	1.143122	0.8923587	40.78129	11.99	56.63	8.93	56.46	23.44	22.45	-0.9876572
9/17/2010 12:00	21477	2_60	2010	260	1200	1.47242	12.36022	50.45342	13.72	65.99	10.76	63.07	26.93	25.71	-1.217592
9/17/2010 13:00	21478	2_60	2010	260	1300	4.158024	217.848	55.05547	-3.644	81.2	13.42	86.3	29.71	28.28	-1.425538
9/17/2010 14:00	21479	2_60	2010	260	1400	5.405478	229.8681	26.5123	0.543	84.9	30.15	93.1	30.44	28.93	-1.517353
9/17/2010 15:00	21480	2_60	2010	260	1500	5.472151	212.6108	36.08409	-1.403	74.22	27.74	82.4	30.68	29.19	-1.495976
9/17/2010 16:00	21481	2_60	2010	260	1600	4.294297	200.4627	32.52283	19.83	72.22	45.66	76.48	30.71	29.43	-1.28033
9/17/2010 17:00	21482	2_60	2010	260	1700	4.691248	205.5992	27.19722	0.418	63.09	26.94	70.98	30.16	29.31	-0.8544044
9/17/2010 18:00	21483	2_60	2010	260	1800	5.18981	183.0004	20.66801	3.767	63.92	33.77	71.79	28.96	28.98	0.02347948
9/17/2010 19:00	21484	2_60	2010	260	1900	4.796506	184.6349	10.53007	3.307	47.72	32.59	54.19	26.29	28.08	1.78265
9/17/2010 20:00	21485	2_60	2010	260	2000	5.909504	188.7641	3.58576	17.15	12.11	66.08	13.54	23.53	27.03	3.502751
9/17/2010 21:00	21486	2_60	2010	260	2100	2.9282	186.2297	37.46371	10.45	22.08	30.68	35.8	21.69	25.37	3.675888
9/17/2010 22:00	21487	2_60	2010	260	2200	1.199071	146.8056	39.71702	1.794	16.39	4.201	16.16	20.71	24.07	3.357271
9/17/2010 23:00	21488	2_60	2010	260	2300	1.494807	175.8447	39.42468	2.226	16.82	3.507	17.87	18.83	22.53	3.699438
9/18/2010 0:00	21489	2_60	2010	261	0	0.8100119	187.0396	33.59945	2.68	12.57	3.236	11.61	17.69	21.58	3.891873
9/18/2010 1:00	21490	2_60	2010	261	100	1.159368	142.0406	29.52971	2.088	8.99	1.25	6.312	16.18	19.92	3.742803
9/18/2010 2:00	21491	2_60	2010	261	200	1.852696	341.1747	27.44383	8.04	15.13	5.215	13.06	14.15	17.98	3.835317
9/18/2010 3:00	21492	2_60	2010	261	300	0.4638681	145.3455	36.10632	-0.496	5.93	0.003	5.399	14.58	17.83	3.244546
9/18/2010 4:00	21493	2_60	2010	261	400	0.493564	19.37522	45.7606	0.047	3.601	-0.116	1.225	13.37	17.22	3.842817
9/18/2010 5:00	21494	2_60	2010	261	500	1.197396	213.4453	29.53673	3.159	12.19	2.103	9.7	12.1	15.83	3.729413
9/18/2010 6:00	21495	2_60	2010	261	600	0.9103574	277.0659	30.95531	-0.202	2.013	-0.484	2.032	12.09	15.95	3.857845
9/18/2010 7:00	21496	2_60	2010	261	700	2.120669	283.7011	14.37646	2.674	13.43	3.28	8.69	12.38	13.74	1.356968
9/18/2010 8:00	21497	2_60	2010	261	800	1.00824	282.6224	25.38078	2.863	16.97	1.487	12.82	14.34	13.88	-0.4622094
9/18/2010 9:00	21498	2_60	2010	261	900	1.287987	304.7105	30.17283	4.103	36.22	2.728	32.03	17.67	16.91	-0.7675624
9/18/2010 10:00	21499	2_60	2010	261	1000	0.7530944	300.872	48.29128	-6.526	47.43	-5.869	42.81	20.93	20.12	-0.8095489
9/18/2010 11:00	21500	2_60	2010	261	1100	1.56717	324.4813	36.80098	10.04	51.1	6.702	49.97	24.24	23.21	-1.037682
9/18/2010 12:00	21501	2_60	2010	261	1200	2.491979	318.4151	52.86325	3.973	69.9	5.259	74.38	28.12	26.83	-1.296959
9/18/2010 13:00	21502	2_60	2010	261	1300	5.064206	204.9994	43.07784	4.427	99.1	31.88	106.6	30.09	28.63	-1.453951
9/18/2010 14:00	21503	2_60	2010	261	1400	5.302146	197.9412	23.95337	7.959	82.1	39.12	90.7	30.65	29	-1.649747
9/18/2010 15:00	21504	2_60	2010	261	1500	4.48798	191.5471	34.81987	6.255	81.9	32.92	90.3	30.92	29.44	-1.484324
9/18/2010 16:00	21505	2_60	2010	261	1600	4.38811	204.7622	34.21594	15.25	61.66	41.82	66.77	30.91	29.63	-1.277626
9/18/2010 17:00	21506	2_60	2010	261	1700	3.919827	204.9141	19.67845	6.08	50.88	30.76	57.2	30.54	29.62	-0.9167125
9/18/2010 18:00	21507	2_60	2010	261	1800	4.575502	190.7802	15.68983	11.53	39.93	41.83	46.19	29.1	29.19	0.09402347
9/18/2010 19:00	21508	2_60	2010	261	1900	7.349483	195.9036	5.226018	20.44	29.48	83.9	39.08	26.96	28.21	1.244916
9/18/2010 20:00	21509	2_60	2010	261	2000	8.004323	197.1445	3.655348	32.48	22.73	106.3	25.78	25.75	27.34	1.596632
9/18/2010 21:00	21510	2_60	2010	261	2100	2.201056	46.52489	45.67439	13.13	41.3	24.02	53.98	23.66	25.84	2.172818
9/18/2010 22:00	21511	2_60	2010	261	2200	0.9000956	111.8421	26.40996	0.949	8.09	0.73	6.56	19.68	23.38	3.703151
9/18/2010 23:00	21512	2_60	2010	261	2300	2.917334	117.5317	18.40561	-2.578	21.99	4.06	24.69	17.68	21.69	4.004595
9/19/2010 0:00	21513	2_60	2010	262	0	1.221627	127.0928	42.86518	1.486	13.59	1.23	10.45	16.82	20.97	4.156303
9/19/2010 1:00	21514	2_60	2010	262	100	1.056028	303.1713	49.11877	2.043	11.79	1.654	10.24	15.19	19.35	4.160535
9/19/2010 2:00	21515	2_60	2010	262	200	1.527322	288.7664	33.56487	9.18	18.49	6.69	16.05	13.52	17.49	3.966255
9/19/2010 3:00	21516	2_60	2010	262	300	1.077475	152.8105	20.04199	0.158	9.35	0.438	7.581	12.79	17.4	4.604715
9/19/2010 4:00	21517	2_60	2010	262	400	1.018905	262.2722	28.79953	0.98	5.944	0.436	3.536	12.85	16.12	3.270916
9/19/2010 5:00	21518	2_60	2010	262	500	0.680988	168.0475	31.80948	0.624	4.628	0.408	3.116	11.27	15.68	4.412145
9/19/2010 6:00	21519	2_60	2010	262	600	0.8824295	289.0023	37.93404	-0.388	3.997	-0.079	1.692	11.27	13.91	2.647383
9/19/2010 7:00	21520	2_60	2010	262	700	0.9122134	262.7214	11.3483	-0.436	6.021	-0.29	2.11	12.32	13.77	1.455358
9/19/2010 8:00	21521	2_60	2010	262	800	1.131918	293.309	18.81297	2.553	15.14	1.467	9.19	14.11	13.63	-0.4805086
9/19/2010 9:00	21522	2_60	2010	262	900	0.9106745	324.4409	30.19861	3.843	34.24	2.871	29.74	17.12	16.46	-0.6586073
9/19/2010 10:00	21523	2_60	2010	262	1000	0.7601184	333.9524	42.56861	25.13	45.28	21.53	40.45	20.67	19.77	-0.9006959
9/19/2010 11:00	21524	2_60	2010	262	1100	1.198759	328.1657	33.59675	-1.339	51.45	-3.737	49.01	23.78	22.81	-0.9688433
9/19/2010 12:00	21525	2_60	2010	262	1200	1.424494	345.2834	37.70961	18.87	50.69	13.79	48.5	26.97	25.88	-1.089858
9/19/2010 13:00	21526	2_60	2010	262	1300	4.407114	257.4728	41.40316	7.116	95.4	25.15	100.6	30.92	29.5	-1.426509
9/19/2010 14:00	21527	2_60	2010	262	1400	5.952433	234.8212	24.69942	11.2	82	43.07	90.7	31.6	30	-1.603303
9/19/2010 15:00	21528	2_60	2010	262	1500	5.618649	242.4884	23.31379	5.235	76.4	35.68	85.8	31.64	30.07	-1.5628
9/19/2010 16:00	21529	2_60	2010	262	1600	6.558507	238.6571	23.9646	1.938	78.84	37.55	87.9	31.28	30	-1.274312
9/19/2010 17:00	21530	2_60	2010	262	1700	5.726351	244.1668	19.67202	4.124	65.95	35.06	74.42	30.66	29.87	-0.7934179
9/19/2010 18:00	21531	2_60	2010	262	1800	5.117744	248.7485	21.50027	1.445	63.92	24.84	69.49	29.53	29.43	-0.09495797
9/19/2010 19:00	21532	2_60	2010	262	1900	2.761322	265.2834	31.96805	-1.512	65.94	6.33	66.41	27.98	28.65	0.6613169
9/19/2010 20:00	21533	2_60	2010	262	2000	2.079367	208.7864	32.20462	1.769	36.25	10.94	36.7	23.73	27.57	3.839459
9/19/2010 21:00	21534	2_60	2010	262	2100	2.791262	205.4023	10.59964	8.28	14.88	26.03	19.01	21.69	27.12	5.42905
9/19/2010 22:00	21535	2_60	2010	262	2200	3.844573	177.6843	21.38501	36.06	26.19	65.4	39.05	21.31	24.93	3.620676
9/19/2010 23:00	21536	2_60	2010	262	2300	3.908768	170.8409	39.68771	38.84	43.18	66.73	61.5	21.85	24.55	2.698472

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/17/2010 0:00	21465	2_60	2010	260	0	28.75	61.32	24.58	AQ	3.584	259.3	2332	13.23
9/17/2010 1:00	21466	2_60	2010	260	100	31.12	58.98	24.59	AQ	3.106	261.7	22	13.26
9/17/2010 2:00	21467	2_60	2010	260	200	34.55	56.43	24.59	AQ	2.15	265.7	110	13.29
9/17/2010 3:00	21468	2_60	2010	260	300	35.61	55.62	24.6	AQ	2.287	109.6	207	13.32
9/17/2010 4:00	21469	2_60	2010	260	400	34.77	55.74	24.6	AQ	2.56	131.2	301	13.34
9/17/2010 5:00	21470	2_60	2010	260	500	37.18	54.16	24.61	AQ	1.741	270.5	400	13.35
9/17/2010 6:00	21471	2_60	2010	260	600	38.06	53.62	24.63	AQ	2.15	310.7	514	13.37
9/17/2010 7:00	21472	2_60	2010	260	700	37.96	53.96	24.64	AQ	2.253	295.3	658	13.37
9/17/2010 8:00	21473	2_60	2010	260	800	31.21	59.87	24.65	AQ	2.526	266.9	709	13.33
9/17/2010 9:00	21474	2_60	2010	260	900	24.81	66.7	24.65	AQ	2.253	328.3	859	13.25
9/17/2010 10:00	21475	2_60	2010	260	1000	21.89	71.36	24.64	AQ	2.799	33.57	957	13.16
9/17/2010 11:00	21476	2_60	2010	260	1100	18.66	75.82	24.62	AQ	2.935	5.29	1051	13.09
9/17/2010 12:00	21477	2_60	2010	260	1200	14.68	82	24.59	AQ	7.305	338.3	1157	13.03
9/17/2010 13:00	21478	2_60	2010	260	1300	11.96	86.1	24.57	AQ	12.32	241.9	1256	12.97
9/17/2010 14:00	21479	2_60	2010	260	1400	10.21	87.2	24.56	AQ	11.09	247.1	1353	12.95
9/17/2010 15:00	21480	2_60	2010	260	1500	9.1	87.7	24.55	AQ	11.78	255.4	1428	12.93
9/17/2010 16:00	21481	2_60	2010	260	1600	8.34	87.8	24.53	AQ	9.73	225.9	1517	12.93
9/17/2010 17:00	21482	2_60	2010	260	1700	8.62	86.8	24.52	AQ	9.56	174.9	1654	12.93
9/17/2010 18:00	21483	2_60	2010	260	1800	8.8	84.6	24.53	AQ	12.39	187	1706	12.95
9/17/2010 19:00	21484	2_60	2010	260	1900	10.67	80	24.53	AQ	8.57	189.6	1814	12.99
9/17/2010 20:00	21485	2_60	2010	260	2000	13.5	74.8	24.54	AQ	6.724	179.4	1930	13.05
9/17/2010 21:00	21486	2_60	2010	260	2100	16.33	71.67	24.55	AQ	6.11	201.1	2010	13.09
9/17/2010 22:00	21487	2_60	2010	260	2200	18.75	69.21	24.56	AQ	2.731	179	2143	13.14
9/17/2010 23:00	21488	2_60	2010	260	2300	21.2	66.7	24.57	AQ	5.188	130.2	2241	13.18
9/18/2010 0:00	21489	2_60	2010	261	0	23.47	64.45	24.58	AQ	4.096	157.5	2343	13.21
9/18/2010 1:00	21490	2_60	2010	261	100	25.9	61.65	24.58	AQ	2.935	135.9	52	13.24
9/18/2010 2:00	21491	2_60	2010	261	200	29.28	58.11	24.58	AQ	5.018	292.3	129	13.27
9/18/2010 3:00	21492	2_60	2010	261	300	28.89	58.58	24.58	AQ	2.048	201.9	223	13.3
9/18/2010 4:00	21493	2_60	2010	261	400	30.72	56.78	24.6	AQ	1.331	238.1	302	13.32
9/18/2010 5:00	21494	2_60	2010	261	500	33.62	54.31	24.62	AQ	3.618	291.8	418	13.34
9/18/2010 6:00	21495	2_60	2010	261	600	33.71	54.34	24.63	AQ	2.731	69.19	506	13.36
9/18/2010 7:00	21496	2_60	2010	261	700	32.52	55.48	24.65	AQ	3.379	293.1	622	13.36
9/18/2010 8:00	21497	2_60	2010	261	800	28.5	60.18	24.66	AQ	2.15	342.3	736	13.32
9/18/2010 9:00	21498	2_60	2010	261	900	23.93	65.97	24.67	AQ	2.97	0.678	853	13.25
9/18/2010 10:00	21499	2_60	2010	261	1000	20.08	71.82	24.65	AQ	2.833	0.162	958	13.16
9/18/2010 11:00	21500	2_60	2010	261	1100	16.64	77.17	24.63	AQ	3.482	312.3	1002	13.09
9/18/2010 12:00	21501	2_60	2010	261	1200	12.59	83.5	24.61	AQ	9.25	225.3	1144	13.02
9/18/2010 13:00	21502	2_60	2010	261	1300	10.21	86.6	24.6	AQ	11.06	197.4	1215	12.97
9/18/2010 14:00	21503	2_60	2010	261	1400	9.67	87.6	24.59	AQ	11.64	224.6	1342	12.95
9/18/2010 15:00	21504	2_60	2010	261	1500	9.43	88.1	24.58	AQ	10.24	199.7	1455	12.93
9/18/2010 16:00	21505	2_60	2010	261	1600	9.18	88.3	24.57	AQ	10.58	175.1	1535	12.92
9/18/2010 17:00	21506	2_60	2010	261	1700	8.78	87.4	24.56	AQ	10.24	223.8	1624	12.93
9/18/2010 18:00	21507	2_60	2010	261	1800	8.8	85	24.57	AQ	8.5	184.2	1755	12.94
9/18/2010 19:00	21508	2_60	2010	261	1900	9.41	80.9	24.57	AQ	9.86	196.4	1849	12.99
9/18/2010 20:00	21509	2_60	2010	261	2000	10.07	78.66	24.59	AQ	9.45	197.1	1933	13.04
9/18/2010 21:00	21510	2_60	2010	261	2100	11.04	75.28	24.61	AQ	7.919	208.3	2000	13.07
9/18/2010 22:00	21511	2_60	2010	261	2200	13.76	67.89	24.62	AQ	2.492	135.9	2141	13.13
9/18/2010 23:00	21512	2_60	2010	261	2300	15.9	64.67	24.61	AQ	6.383	118.7	2246	13.18
9/19/2010 0:00	21513	2_60	2010	262	0	17.54	63	24.61	AQ	4.881	107.8	2307	13.23
9/19/2010 1:00	21514	2_60	2010	262	100	20.47	60.09	24.62	AQ	2.662	129.4	25	13.27
9/19/2010 2:00	21515	2_60	2010	262	200	23.64	56.68	24.62	AQ	3.516	303	130	13.3
9/19/2010 3:00	21516	2_60	2010	262	300	24.68	55.57	24.63	AQ	2.662	146.9	233	13.33
9/19/2010 4:00	21517	2_60	2010	262	400	24.65	55.57	24.63	AQ	2.15	322.8	332	13.35
9/19/2010 5:00	21518	2_60	2010	262	500	27.1	53.11	24.64	AQ	1.843	188.3	406	13.37
9/19/2010 6:00	21519	2_60	2010	262	600	27.75	52.6	24.65	AQ	1.775	276.5	544	13.39
9/19/2010 7:00	21520	2_60	2010	262	700	26.03	55.25	24.67	AQ	1.877	270.8	611	13.39
9/19/2010 8:00	21521	2_60	2010	262	800	22.39	60.14	24.67	AQ	2.355	305.6	717	13.34
9/19/2010 9:00	21522	2_60	2010	262	900	18.66	65.32	24.67	AQ	2.697	341	833	13.26
9/19/2010 10:00	21523	2_60	2010	262	1000	15.43	71.63	24.66	AQ	2.219	340.4	949	13.17
9/19/2010 11:00	21524	2_60	2010	262	1100	13.33	76.79	24.63	AQ	3.311	348.8	1055	13.09
9/19/2010 12:00	21525	2_60	2010	262	1200	11.9	82	24.6	AQ	3.994	343.6	1149	13.03
9/19/2010 13:00	21526	2_60	2010	262	1300	10.13	88.4	24.58	AQ	11.78	237.6	1238	12.97
9/19/2010 14:00	21527	2_60	2010	262	1400	9.57	89.3	24.55	AQ	15.02	246.3	1325	12.94
9/19/2010 15:00	21528	2_60	2010	262	1500	9.5	89.4	24.53	AQ	11.74	262.6	1426	12.93
9/19/2010 16:00	21529	2_60	2010	262	1600	9.62	88.8	24.51	AQ	12.7	258.8	1523	12.92
9/19/2010 17:00	21530	2_60	2010	262	1700	10.2	87.6	24.5	AQ	12.7	253.9	1600	12.93
9/19/2010 18:00	21531	2_60	2010	262	1800	10.81	85.9	24.49	AQ	11.09	265.6	1753	12.95
9/19/2010 19:00	21532	2_60	2010	262	1900	11.61	83	24.49	AQ	6.827	213.1	1800	12.99
9/19/2010 20:00	21533	2_60	2010	262	2000	14.92	75.31	24.5	AQ	4.745	188.3	1905	13.04
9/19/2010 21:00	21534	2_60	2010	262	2100	17.69	71.58	24.5	AQ	4.369	202.9	2040	13.09
9/19/2010 22:00	21535	2_60	2010	262	2200	18.79	70.76	24.49	AQ	7.066	185	2152	13.13
9/19/2010 23:00	21536	2_60	2010	262	2300	19.04	71.82	24.47	AQ	7.134	182.6	2240	13.14

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/20/2010 0:00	21537	2_60	2010	263	0	2.961227	128.5328	39.24544	20.11	40.16	33.21	51.49	20.36	22.94	2.582031
9/20/2010 1:00	21538	2_60	2010	263	100	7.73239	180.1853	9.074759	17.5	47.53	69.74	59.7	23.35	24.69	1.342759
9/20/2010 2:00	21539	2_60	2010	263	200	8.525684	176.2015	7.668841	15.96	50.58	71.38	61.49	23.6	24.27	0.6712332
9/20/2010 3:00	21540	2_60	2010	263	300	5.383187	174.639	22.80194	38.38	37.71	75.75	43.33	21.37	23.22	1.852411
9/20/2010 4:00	21541	2_60	2010	263	400	1.81307	270.7423	38.81089	5.422	21.59	2.718	18.95	16.1	17.44	1.341795
9/20/2010 5:00	21542	2_60	2010	263	500	1.37662	104.7508	26.95139	2.418	11.13	1.985	11.38	15.75	18.78	3.030194
9/20/2010 6:00	21543	2_60	2010	263	600	3.752064	193.1963	47.66035	12.2	50.32	31.25	63.78	19.37	20.98	1.607167
9/20/2010 7:00	21544	2_60	2010	263	700	8.287118	197.084	8.850963	23.32	55.18	90.3	64.13	22.64	22.83	0.1933257
9/20/2010 8:00	21545	2_60	2010	263	800	8.826848	190.9621	8.068078	17.19	58.96	83.5	70.75	23.04	22.77	-0.26697
9/20/2010 9:00	21546	2_60	2010	263	900	7.900477	196.249	18.37111	4.361	81.9	55.9	97.2	23.38	23.1	-0.272186
9/20/2010 10:00	21547	2_60	2010	263	1000	5.703825	185.4994	14.54263	5.931	48.72	41.87	56.32	22.38	22.29	-0.08634382
9/20/2010 11:00	21548	2_60	2010	263	1100	5.400211	176.775	16.41439	-0.002	74.09	27.08	81.9	25.25	23.93	-1.319599
9/20/2010 12:00	21549	2_60	2010	263	1200	5.167803	165.3757	38.78384	4.775	96.6	31.37	104.7	26.41	25.41	-0.9951689
9/20/2010 13:00	21550	2_60	2010	263	1300	4.706349	195.3332	42.54467	2.488	101.8	26.11	109.9	27.71	26.3	-1.413896
9/20/2010 14:00	21551	2_60	2010	263	1400	5.073046	213.4948	40.86409	5.444	83	32.37	92.6	28.95	27.35	-1.607959
9/20/2010 15:00	21552	2_60	2010	263	1500	4.81031	242.6565	28.35758	5.111	75.9	30.4	79.98	25.59	26.27	0.6839583
9/20/2010 16:00	21553	2_60	2010	263	1600	5.065681	241.8608	15.5051	11.35	35.97	40.54	44.04	24.12	25.76	1.638841
9/20/2010 17:00	21554	2_60	2010	263	1700	4.121895	237.3633	14.73847	9.2	45.27	32.41	50.55	27.71	27.71	0.001701581
9/20/2010 18:00	21555	2_60	2010	263	1800	4.651025	186.4294	21.6365	10.09	67.37	36.06	72.99	26.65	26.67	0.01948876
9/20/2010 19:00	21556	2_60	2010	263	1900	4.946581	186.9308	13.52747	4.412	45.85	34.69	53.54	24.97	26.14	1.171842
9/20/2010 20:00	21557	2_60	2010	263	2000	5.949361	188.8412	4.586084	14.29	18.47	60.85	23.39	22.14	25.03	2.892046
9/20/2010 21:00	21558	2_60	2010	263	2100	7.466337	183.7255	3.311201	18.59	17.15	78.06	21.83	21.66	24.2	2.546683
9/20/2010 22:00	21559	2_60	2010	263	2200	9.412986	179.0481	3.141309	25.44	26.56	97	30.61	22.09	23.38	1.28995
9/20/2010 23:00	21560	2_60	2010	263	2300	5.148321	225.6569	21.3903	17.3	35.46	52.66	57.45	21.44	22.42	0.9804955
9/21/2010 0:00	21561	2_60	2010	264	0	1.004739	173.0937	46.51403	-0.078	18.24	0.119	14.57	18.37	21.5	3.124928
9/21/2010 1:00	21562	2_60	2010	264	100	1.133795	113.0662	39.34915	0.933	9.41	0.242	7.048	17.03	20.45	3.417202
9/21/2010 2:00	21563	2_60	2010	264	200	0.7768164	231.2048	39.44604	1.095	6.791	1.292	6.052	15.79	20.17	4.374866
9/21/2010 3:00	21564	2_60	2010	264	300	1.239007	204.6136	17.40831	4.394	8.48	4.894	9.49	15.76	19.44	3.678476
9/21/2010 4:00	21565	2_60	2010	264	400	0.8939516	246.2883	41.23999	0.766	15.56	0.743	12.48	15.84	19.02	3.178378
9/21/2010 5:00	21566	2_60	2010	264	500	0.8862756	234.4895	41.1647	1.136	9.54	1.409	6.998	14.85	18.57	3.721752
9/21/2010 6:00	21567	2_60	2010	264	600	0.7769297	312.8941	54.11537	1.77	9.13	0.741	7.162	13.74	16.8	3.058145
9/21/2010 7:00	21568	2_60	2010	264	700	0.8746303	62.54531	29.96712	0.017	2.15	-0.112	1.644	14.28	16.15	1.863802
9/21/2010 8:00	21569	2_60	2010	264	800	0.668527	303.9337	31.62983	1.343	9.79	0.404	6.294	17.12	16.97	-0.1446644
9/21/2010 9:00	21570	2_60	2010	264	900	0.8647943	359.393	37.24741	3.727	36.9	1.363	32.64	19.93	19.32	-0.6125782
9/21/2010 10:00	21571	2_60	2010	264	1000	1.775296	332.549	48.09125	4.235	61.07	1.622	60.9	23.17	22.28	-0.8869465
9/21/2010 11:00	21572	2_60	2010	264	1100	4.062139	210.7969	50.88488	-0.917	76.92	16.25	83.2	25.96	24.87	-1.092393
9/21/2010 12:00	21573	2_60	2010	264	1200	5.469557	206.9968	42.82417	-0.46	108.5	26.38	116.9	26.79	25.5	-1.293529
9/21/2010 13:00	21574	2_60	2010	264	1300	6.511621	239.8449	31.92012	16.16	100.3	52.52	109.6	27.48	26	-1.481554
9/21/2010 14:00	21575	2_60	2010	264	1400	5.24255	214.9008	45.09574	13.65	106.4	42.2	113.2	27.74	26.38	-1.365483
9/21/2010 15:00	21576	2_60	2010	264	1500	4.189372	221.5349	45.9646	-7.916	105.2	9.55	108.9	27.93	26.78	-1.15063
9/21/2010 16:00	21577	2_60	2010	264	1600	4.698433	227.6249	40.53861	0.076	110.3	24.08	114.8	28.13	27.15	-0.9790713
9/21/2010 17:00	21578	2_60	2010	264	1700	3.971142	219.0298	50.422	7.585	98.5	25.62	102.6	27.9	27.21	-0.6850627
9/21/2010 18:00	21579	2_60	2010	264	1800	3.365277	213.7686	48.99719	-4.065	85	11.37	87.9	27.03	26.89	-0.142533
9/21/2010 19:00	21580	2_60	2010	264	1900	2.944245	208.2747	48.61607	1.755	61.11	14.23	61.86	25.68	26.35	0.6659569
9/21/2010 20:00	21581	2_60	2010	264	2000	2.416544	185.1792	17.20102	4.967	22.27	15.87	24.95	21.15	25.17	4.022255
9/21/2010 21:00	21582	2_60	2010	264	2100	6.051855	180.9476	3.892204	16.1	13.94	61.34	17.54	21.12	24.47	3.351535
9/21/2010 22:00	21583	2_60	2010	264	2200	7.753851	173.2841	4.92555	30.93	26.46	88	30.93	21.93	23.58	1.652873
9/21/2010 23:00	21584	2_60	2010	264	2300	9.815271	170.1438	4.894367	29.09	39.47	97	46.59	22.54	23.38	0.8316286
9/22/2010 0:00	21585	2_60	2010	265	0	5.199084	193.5725	18.50815	10.05	49.77	36.99	58.23	21.4	22.59	1.188394
9/22/2010 1:00	21586	2_60	2010	265	100	1.095112	319.5578	46.38363	2.185	16.79	1.394	15.98	17.07	19.11	2.035816
9/22/2010 2:00	21587	2_60	2010	265	200	1.077555	175.2375	16.80926	4.122	17.8	8.07	23.29	16.98	19.99	3.00518
9/22/2010 3:00	21588	2_60	2010	265	300	0.8382009	339.1039	39.06562	3.187	9.7	1.203	5.715	15.96	18.52	2.563607
9/22/2010 4:00	21589	2_60	2010	265	400	0.995636	298.35	50.62539	1.743	10.01	0.112	6.056	14.91	17.38	2.476049
9/22/2010 5:00	21590	2_60	2010	265	500	3.752436	228.35	57.57795	7.607	49.99	24.12	59.21	14.56	16.5	1.946572
9/22/2010 6:00	21591	2_60	2010	265	600	4.166834	170.389	56.03366	13.02	30.29	31.36	45.46	13.83	15.82	1.997661
9/22/2010 7:00	21592	2_60	2010	265	700	4.225974	99.63713	44.21774	4.105	35.44	4.748	38.37	14.82	15.94	1.122258
9/22/2010 8:00	21593	2_60	2010	265	800	5.294804	97.26542	11.59216	-0.078	25.58	-0.814	30.38	15.72	16.34	0.6200546
9/22/2010 9:00	21594	2_60	2010	265	900	3.325309	112.0514	23.00717	1.293	23.84	6.06	24.38	16.28	15.94	-0.3384031
9/22/2010 10:00	21595	2_60	2010	265	1000	2.475772	126.6846	13.70366	-5.784	26.86	0.415	27.91	17.46	16.71	-0.7515057
9/22/2010 11:00	21596	2_60	2010	265	1100	2.768976	102.311	13.32495	-2.021	26.38	-1.442	27.23	17.96	17.3	-0.6590747
9/22/2010 12:00	21597	2_60	2010	265	1200	8.869045	172.0036	14.31901	32.78	73.03	93.3	89.2	17.88	17.49	-0.3988877
9/22/2010 13:00	21598	2_60	2010	265	1300	8.001588	184.3943	7.816037	29.13	46.04	90.1	58.84	15.97	16.06	0.09188139
9/22/2010 14:00	21599	2_60	2010	265	1400	5.714774	148.1627	17.27892	13.14	41.85	39.11	52.72	15.71	15.65	-0.06072192
9/22/2010 15:00	21600	2_60	2010	265	1500	5.942561	107.8866	9.965736	-6.913	44.93	-4.218	52.88	17.86	16.86	-1.008092
9/22/2010 16:00	21601	2_60	2010	265	1600	6.049115	94.37531	8.684419	-8.2	37.9	-11.42	43.27	17.85	17.06	-0.7910738
9/22/2010 17:00	21602	2_60	2010	265	1700	4.903666	97.56698	10.23467	0.481	30.53	-0.611	36.8	18.31	17.71	-0.5987537
9/22/2010 18:00	21603	2_60	2010	265	1800	5.573497	114.611	16.62043	-6.116	71.56	5.35	81.4	18.3	18.24	-0.05907704
9/22/2010 19:00	21604	2_60	2010	265	1900	4.806388	217.4415	46.45693	1.954	62.58	29.75	78.15	17.01	17.05	0.04539573
9/22/2010 20:00	21605	2_60	2010	265	2000	1.92273	149.3511	40.92157	1.156	27.33	1.093	26.7	15.22	16.19	0.9629098
9/22/2010 21:00	21606	2_60	2010	265	2100	2.199885	185.7644	25.38095	3.292	10.11	8.52	13.39	14.45	16.3	1.842158
9/22/2010 22:00	21607	2_60	2010	265	2200	5.195591	285.0003	30.34417	8.86	63.5	19.61	67.79	12.61	12.89	0.2859363
9/22/2010 23:00	21608	2_60	2010	265	2300	5.546925	243.1588	25.79902	14.08	47.17	41.59	67.93	12.62	13.34	0.7185131

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg DegF	BPinHg inHg	SolarRad_Avg W/m²	GustSpeed m/s	GustDir Deg	GustTime	BatteryV_Avg Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/20/2010 0:00	21537	2_60	2010	263	0	21.64	68.98	24.47	AQ	8.19	171.1	2358	13.16
9/20/2010 1:00	21538	2_60	2010	263	100	18.96	74.4	24.45	AQ	14.37	165.9	57	13.16
9/20/2010 2:00	21539	2_60	2010	263	200	21.06	74.95	24.45	AQ	14.37	161.3	100	13.13
9/20/2010 3:00	21540	2_60	2010	263	300	23.64	71.22	24.46	AQ	9.83	183.5	205	13.12
9/20/2010 4:00	21541	2_60	2010	263	400	27.78	61.88	24.47	AQ	5.769	303.8	309	13.16
9/20/2010 5:00	21542	2_60	2010	263	500	31.28	60.62	24.48	AQ	3.106	130.9	400	13.2
9/20/2010 6:00	21543	2_60	2010	263	600	28.28	66.82	24.48	AQ	9.49	188.4	527	13.21
9/20/2010 7:00	21544	2_60	2010	263	700	27.27	73.07	24.49	AQ	12.32	197.1	633	13.18
9/20/2010 8:00	21545	2_60	2010	263	800	29.86	73.76	24.49	AQ	12.42	186.9	747	13.13
9/20/2010 9:00	21546	2_60	2010	263	900	33.43	74.49	24.52	AQ	14.64	184.3	822	13.11
9/20/2010 10:00	21547	2_60	2010	263	1000	36.31	72.64	24.49	AQ	11.3	161.9	905	13.11
9/20/2010 11:00	21548	2_60	2010	263	1100	28.44	77.72	24.48	AQ	9.73	168	1050	13.08
9/20/2010 12:00	21549	2_60	2010	263	1200	26.47	79.88	24.46	AQ	13.41	168.9	1132	13.04
9/20/2010 13:00	21550	2_60	2010	263	1300	23.65	82.4	24.42	AQ	13.14	185	1223	13
9/20/2010 14:00	21551	2_60	2010	263	1400	20.39	84.5	24.39	AQ	12.97	261.3	1352	12.97
9/20/2010 15:00	21552	2_60	2010	263	1500	33.88	78.82	24.38	AQ	12.01	218.6	1407	12.97
9/20/2010 16:00	21553	2_60	2010	263	1600	44.04	75.74	24.36	AQ	16.9	266.5	1502	13.04
9/20/2010 17:00	21554	2_60	2010	263	1700	23.44	82.5	24.37	AQ	8.4	207	1642	13
9/20/2010 18:00	21555	2_60	2010	263	1800	27.94	80.5	24.37	AQ	10.31	176.4	1724	13.01
9/20/2010 19:00	21556	2_60	2010	263	1900	31.33	77.47	24.38	AQ	8.36	178.1	1810	13.04
9/20/2010 20:00	21557	2_60	2010	263	2000	39.63	72.3	24.4	AQ	8.19	191.6	1922	13.08
9/20/2010 21:00	21558	2_60	2010	263	2100	38.68	71.42	24.4	AQ	9.63	177.2	2055	13.11
9/20/2010 22:00	21559	2_60	2010	263	2200	35.75	72.18	24.4	AQ	11.61	177.7	2147	13.12
9/20/2010 23:00	21560	2_60	2010	263	2300	38.07	70.99	24.42	AQ	10.89	178.4	2210	13.13
9/21/2010 0:00	21561	2_60	2010	264	0	47.73	65.69	24.42	AQ	3.413	175.8	2354	13.16
9/21/2010 1:00	21562	2_60	2010	264	100	53.22	63.28	24.43	AQ	2.765	64.89	7	13.2
9/21/2010 2:00	21563	2_60	2010	264	200	58.67	61.19	24.43	AQ	2.526	215.7	137	13.23
9/21/2010 3:00	21564	2_60	2010	264	300	58.57	60.89	24.44	AQ	2.423	200.7	256	13.25
9/21/2010 4:00	21565	2_60	2010	264	400	57.66	61.02	24.44	AQ	3.277	213.1	355	13.26
9/21/2010 5:00	21566	2_60	2010	264	500	61.07	59.37	24.45	AQ	3.174	202.9	410	13.28
9/21/2010 6:00	21567	2_60	2010	264	600	65.38	57.29	24.46	AQ	2.492	342.3	546	13.3
9/21/2010 7:00	21568	2_60	2010	264	700	62.2	58.8	24.48	AQ	1.536	169.8	608	13.31
9/21/2010 8:00	21569	2_60	2010	264	800	52.03	65.06	24.49	AQ	1.911	60.78	751	13.27
9/21/2010 9:00	21570	2_60	2010	264	900	41.77	70.4	24.49	AQ	2.765	18.2	828	13.2
9/21/2010 10:00	21571	2_60	2010	264	1000	33.92	74.99	24.48	AQ	6.144	240.1	955	13.13
9/21/2010 11:00	21572	2_60	2010	264	1100	19.42	79.41	24.47	AQ	12.6	248.4	1051	13.06
9/21/2010 12:00	21573	2_60	2010	264	1200	16.01	80.6	24.45	AQ	17.03	248.9	1121	13.02
9/21/2010 13:00	21574	2_60	2010	264	1300	14.06	81.8	24.45	AQ	13.65	231.4	1200	12.99
9/21/2010 14:00	21575	2_60	2010	264	1400	12.88	82.4	24.43	AQ	13	257.3	1311	12.98
9/21/2010 15:00	21576	2_60	2010	264	1500	12.58	82.9	24.41	AQ	11.43	217.6	1425	12.96
9/21/2010 16:00	21577	2_60	2010	264	1600	11.58	83.4	24.4	AQ	12.46	205.9	1504	12.96
9/21/2010 17:00	21578	2_60	2010	264	1700	11.89	82.8	24.38	AQ	10.96	231.1	1603	12.96
9/21/2010 18:00	21579	2_60	2010	264	1800	12.86	81.2	24.37	AQ	8.64	243.3	1700	12.98
9/21/2010 19:00	21580	2_60	2010	264	1900	12.54	78.85	24.37	AQ	8.6	264.1	1828	13.02
9/21/2010 20:00	21581	2_60	2010	264	2000	17.63	70.58	24.38	AQ	5.495	154.2	1954	13.08
9/21/2010 21:00	21582	2_60	2010	264	2100	17.86	70.53	24.37	AQ	7.646	184.4	2048	13.12
9/21/2010 22:00	21583	2_60	2010	264	2200	19.79	71.89	24.37	AQ	10.99	166.3	2136	13.14
9/21/2010 23:00	21584	2_60	2010	264	2300	19.38	72.96	24.37	AQ	12.7	163.2	2255	13.14
9/22/2010 0:00	21585	2_60	2010	265	0	19.96	71.24	24.38	AQ	12.08	164.3	2300	13.13
9/22/2010 1:00	21586	2_60	2010	265	100	24.99	63.21	24.39	AQ	4.13	300.9	5	13.16
9/22/2010 2:00	21587	2_60	2010	265	200	28.54	62.96	24.37	AQ	3.959	182.6	150	13.21
9/22/2010 3:00	21588	2_60	2010	265	300	30.39	61.2	24.37	AQ	3.038	315.6	242	13.23
9/22/2010 4:00	21589	2_60	2010	265	400	31.84	59.36	24.36	AQ	4.608	342.4	357	13.24
9/22/2010 5:00	21590	2_60	2010	265	500	44.08	58.66	24.38	AQ	13.07	226.4	446	13.26
9/22/2010 6:00	21591	2_60	2010	265	600	71.78	57.48	24.43	AQ	10.38	173	535	13.28
9/22/2010 7:00	21592	2_60	2010	265	700	68.16	58.94	24.44	AQ	8.16	118.9	625	13.27
9/22/2010 8:00	21593	2_60	2010	265	800	68.42	60.65	24.44	AQ	7.919	66.12	703	13.26
9/22/2010 9:00	21594	2_60	2010	265	900	68.84	61.71	24.43	AQ	5.837	130.9	835	13.24
9/22/2010 10:00	21595	2_60	2010	265	1000	62.86	64.01	24.43	AQ	4.028	118.6	931	13.21
9/22/2010 11:00	21596	2_60	2010	265	1100	61.35	64.62	24.41	AQ	6.793	86.4	1059	13.18
9/22/2010 12:00	21597	2_60	2010	265	1200	63.94	64.51	24.4	AQ	15.02	183.5	1135	13.17
9/22/2010 13:00	21598	2_60	2010	265	1300	79.14	61.13	24.41	AQ	13.65	187.8	1201	13.2
9/22/2010 14:00	21599	2_60	2010	265	1400	80	60.66	24.38	AQ	8.7	133.7	1348	13.22
9/22/2010 15:00	21600	2_60	2010	265	1500	64.38	64.4	24.36	AQ	8.06	89.3	1444	13.19
9/22/2010 16:00	21601	2_60	2010	265	1600	65.49	64.35	24.33	AQ	8.81	91.2	1515	13.16
9/22/2010 17:00	21602	2_60	2010	265	1700	63.16	65.24	24.31	AQ	6.963	84.2	1604	13.15
9/22/2010 18:00	21603	2_60	2010	265	1800	63.12	65.24	24.3	AQ	15.16	168.3	1752	13.16
9/22/2010 19:00	21604	2_60	2010	265	1900	62.27	62.99	24.34	AQ	15.02	182.8	1804	13.17
9/22/2010 20:00	21605	2_60	2010	265	2000	75.02	59.89	24.34	AQ	4.164	132.4	1915	13.2
9/22/2010 21:00	21606	2_60	2010	265	2100	77.6	58.29	24.36	AQ	5.188	269.5	2059	13.23
9/22/2010 22:00	21607	2_60	2010	265	2200	83.2	54.84	24.37	AQ	17	274.4	2105	13.26
9/22/2010 23:00	21608	2_60	2010	265	2300	81	55.21	24.38	AQ	15.36	164	2206	13.29

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP TS	RECORD RN	HRLY_ARR_ID Smp	Year Smp	Day_of_Year Smp	HOUR Smp	WSpd30m_m/s m/s WVc	WDir30m_Deg Deg WVc	ST30m Deg WVc	VertWS30mEPS_Avg cm/s Avg	VertWS30mEPS_Std cm/s Std	VertWS30mCFT_Avg cm/s Avg	VertWS30mCFT_Std cm/s Std	Temp2m_Avg DegC Avg	Temp30m_Avg DegC Avg	DeltaT_Avg Avg
9/23/2010 0:00	21609	2_60	2010	266	0	2.517869	217.1199	53.16072	6.627	18.65	9.21	22.43	12.01	12.76	0.7553681
9/23/2010 1:00	21610	2_60	2010	266	100	1.018394	191.6851	26.00345	1.382	12.74	1.96	11.72	11.94	12.32	0.3825553
9/23/2010 2:00	21611	2_60	2010	266	200	0.6354477	207.2532	41.19071	-0.191	0.981	-0.22	0.43	11.07	12.17	1.096774
9/23/2010 3:00	21612	2_60	2010	266	300	0.8079045	118.6827	23.82393	-0.043	1.493	-0.031	1.77	10.29	11.58	1.291262
9/23/2010 4:00	21613	2_60	2010	266	400	1.939363	294.1566	61.05167	5.783	20.54	4.504	21.61	10.58	11.5	0.921144
9/23/2010 5:00	21614	2_60	2010	266	500	1.629829	111.7114	41.24467	2.419	9.35	3.865	9.71	9.54	11.22	1.671473
9/23/2010 6:00	21615	2_60	2010	266	600	1.196941	152.9877	21.1817	0.919	10.06	0.458	7.901	9.44	11.47	2.035843
9/23/2010 7:00	21616	2_60	2010	266	700	1.111318	193.016	39.99244	3.482	13.67	4.818	12.94	10.02	11.66	1.639362
9/23/2010 8:00	21617	2_60	2010	266	800	1.481501	315.58	38.21344	2.879	14.54	1.812	12.53	12.32	12.29	-0.02670042
9/23/2010 9:00	21618	2_60	2010	266	900	1.30466	329.0628	25.85561	9.76	33.4	6.655	30.5	14.13	13.47	-0.6587138
9/23/2010 10:00	21619	2_60	2010	266	1000	1.045301	352.2239	35.34331	-2.477	51.04	-5.706	48.28	15.63	14.9	-0.7306731
9/23/2010 11:00	21620	2_60	2010	266	1100	1.578691	324.4081	29.64948	-0.492	56.39	-3.559	55.11	17.49	16.55	-0.9413481
9/23/2010 12:00	21621	2_60	2010	266	1200	1.5631	323.8193	48.48948	-4.86	58.71	-7.963	57.51	19.12	18.03	-1.088925
9/23/2010 13:00	21622	2_60	2010	266	1300	2.075984	341.3033	40.0571	7.718	58.48	1.18	60.31	20.3	19.15	-1.151131
9/23/2010 14:00	21623	2_60	2010	266	1400	2.013573	348.7199	33.80576	5.303	50.06	0.476	51.23	21.19	20.01	-1.183911
9/23/2010 15:00	21624	2_60	2010	266	1500	2.100983	88.44707	43.2192	2.941	50.92	2.142	55.77	22.17	20.91	-1.262751
9/23/2010 16:00	21625	2_60	2010	266	1600	3.337487	273.295	35.5014	7.68	44.87	16.88	47.27	22.97	21.78	-1.192857
9/23/2010 17:00	21626	2_60	2010	266	1700	3.135776	267.4331	12.39764	9.42	33.87	18.52	35.7	22.47	21.58	-0.8891098
9/23/2010 18:00	21627	2_60	2010	266	1800	2.799456	250.0515	8.499159	11.04	15.3	26.48	18.42	19.01	21.12	2.106057
9/23/2010 19:00	21628	2_60	2010	266	1900	3.909343	250.9491	17.37502	18.37	20.71	44.61	29.78	17.2	19.62	2.415258
9/23/2010 20:00	21629	2_60	2010	266	2000	2.23649	258.6733	22.90467	5.807	14.67	11.11	16.65	15.64	19.01	3.370111
9/23/2010 21:00	21630	2_60	2010	266	2100	1.446398	250.2487	14.12212	4.49	7.401	6.581	9.55	13.61	18.61	5.000805
9/23/2010 22:00	21631	2_60	2010	266	2200	0.8915028	249.6512	17.79629	1.099	5.659	2.729	5.675	12.22	18.06	5.847864
9/23/2010 23:00	21632	2_60	2010	266	2300	2.188311	152.9075	14.1855	-0.162	20.13	5.74	22.95	12.6	16.37	3.768098
9/24/2010 0:00	21633	2_60	2010	267	0	2.018382	145.9875	44.33681	0.459	20.63	5.453	22.31	11.64	15.28	3.641261
9/24/2010 1:00	21634	2_60	2010	267	100	0.8393317	213.7959	42.03427	0.79	9.69	1.475	7.299	10.1	13.12	3.021376
9/24/2010 2:00	21635	2_60	2010	267	200	0.9898927	265.5378	20.76329	0.252	8.64	0.866	4.954	9.71	12.9	3.190672
9/24/2010 3:00	21636	2_60	2010	267	300	0.5058568	230.6906	42.61475	0.294	5.082	0.015	3.979	9.15	12.42	3.270183
9/24/2010 4:00	21637	2_60	2010	267	400	0.5319706	182.7579	39.30577	0.874	5.792	0.807	4.934	8.84	11.76	2.923806
9/24/2010 5:00	21638	2_60	2010	267	500	0.6143433	232.6386	30.16366	0.117	3.492	0.063	1.899	8.13	11.43	3.295686
9/24/2010 6:00	21639	2_60	2010	267	600	0.5463585	215.8207	45.91842	0.588	4.727	0.55	4.314	7.69	10.65	2.956315
9/24/2010 7:00	21640	2_60	2010	267	700	0.8248845	268.0511	33.49793	-1.893	6.392	-1.206	5.848	7.581	9.83	2.249903
9/24/2010 8:00	21641	2_60	2010	267	800	1.061659	289.3697	13.90103	3.369	11.05	2.097	6.99	9.7	9.24	-0.4587661
9/24/2010 9:00	21642	2_60	2010	267	900	1.027665	307.4087	20.94581	3.661	34.08	2.279	30.89	12.5	11.79	-0.7041544
9/24/2010 10:00	21643	2_60	2010	267	1000	0.783074	289.1836	44.98726	-4.211	49.07	-2.605	44.96	14.87	13.98	-0.8927553
9/24/2010 11:00	21644	2_60	2010	267	1100	0.8657343	325.9919	62.88346	8.72	50.74	8.66	48.86	17.5	16.57	-0.9294872
9/24/2010 12:00	21645	2_60	2010	267	1200	0.8993245	281.0316	49.70099	4.793	56.42	5.293	53.12	20.38	19.4	-0.9809586
9/24/2010 13:00	21646	2_60	2010	267	1300	1.981972	309.9322	45.05196	11.63	54.65	9.81	53.91	22.6	21.43	-1.17277
9/24/2010 14:00	21647	2_60	2010	267	1400	2.101042	319.7059	53.24042	3.903	54.07	1.679	54.8	23.65	22.36	-1.296736
9/24/2010 15:00	21648	2_60	2010	267	1500	2.210525	260.2852	33.05682	3.717	53.19	11.48	54.47	24.11	22.98	-1.131558
9/24/2010 16:00	21649	2_60	2010	267	1600	1.963316	298.8815	45.70936	17.1	49.88	18.33	50.04	24.58	23.54	-1.043769
9/24/2010 17:00	21650	2_60	2010	267	1700	2.122572	259.5889	16.82775	0.738	24.49	7.3	25.34	24.25	23.69	-0.553071
9/24/2010 18:00	21651	2_60	2010	267	1800	1.580342	243.2472	11.25236	3.972	7.229	6.233	9.22	19.66	23.09	3.437362
9/24/2010 19:00	21652	2_60	2010	267	1900	1.575901	276.3814	15.41961	4.628	11.22	6.471	10.98	17.28	22.24	4.957631
9/24/2010 20:00	21653	2_60	2010	267	2000	1.976484	266.1058	15.26119	3.948	14.35	9.44	14.78	16.17	21.25	5.078531
9/24/2010 21:00	21654	2_60	2010	267	2100	1.20157	258.9575	14.92875	2.529	8.67	2.548	6.017	15.21	20.33	5.121514
9/24/2010 22:00	21655	2_60	2010	267	2200	1.377703	153.7516	44.90247	1.842	9.57	4.677	11.44	14.04	18.92	4.877685
9/24/2010 23:00	21656	2_60	2010	267	2300	1.741332	148.118	14.47108	-0.069	15.31	3.051	15.33	13.9	17.63	3.722174
9/25/2010 0:00	21657	2_60	2010	268	0	0.6809257	213.0383	35.31049	0.565	10.26	-0.14	7.937	12.2	16.08	3.870494
9/25/2010 1:00	21658	2_60	2010	268	100	1.367824	258.2708	21.10676	4.425	10.27	2.707	7.01	10.53	13.73	3.194144
9/25/2010 2:00	21659	2_60	2010	268	200	0.9170464	272.9565	38.50374	2.427	13.01	1.372	8.95	10.41	13.34	2.927843
9/25/2010 3:00	21660	2_60	2010	268	300	0.9186413	231.1712	39.71597	1.745	16.82	2.405	15.22	9.91	12.92	3.010823
9/25/2010 4:00	21661	2_60	2010	268	400	2.230265	140.6335	39.77422	11.29	22.11	19.35	26.19	10.05	12.89	2.842885
9/25/2010 5:00	21662	2_60	2010	268	500	1.479699	193.2643	24.44654	-0.681	11.82	1.829	11.37	8.65	11.26	2.615926
9/25/2010 6:00	21663	2_60	2010	268	600	1.693914	285.456	22.00332	3.766	27.9	4.494	27.05	7.686	9.44	1.750527
9/25/2010 7:00	21664	2_60	2010	268	700	0.4125544	245.0389	21.99898	-0.156	1.422	-0.244	0.13	8.17	10	1.835993
9/25/2010 8:00	21665	2_60	2010	268	800	0.4121293	314.974	16.06248	3.857	15.27	2.966	12.08	11.45	11.07	-0.3795981
9/25/2010 9:00	21666	2_60	2010	268	900	0.3786527	32.51449	57.88189	4.509	35.2	4.227	32.2	14.61	13.82	-0.7926188
9/25/2010 10:00	21667	2_60	2010	268	1000	0.7563931	55.2411	47.08043	-4.274	47.06	-4.474	47.64	17.32	16.44	-0.8754888
9/25/2010 11:00	21668	2_60	2010	268	1100	1.084384	348.6635	46.84883	8.28	47.19	5.275	46.08	19.72	18.84	-0.8790234
9/25/2010 12:00	21669	2_60	2010	268	1200	1.892486	311.3603	25.90939	8.18	50.98	3.179	49.07	22.72	21.62	-1.097442
9/25/2010 13:00	21670	2_60	2010	268	1300	2.622802	287.7009	23.1611	16.95	49.25	18.68	48.58	25.31	23.97	-1.347349
9/25/2010 14:00	21671	2_60	2010	268	1400	2.504302	249.1733	34.30374	8.76	50.35	19.82	51.89	26.53	25.29	-1.239781
9/25/2010 15:00	21672	2_60	2010	268	1500	3.293234	328.5655	32.63826	6.692	51.4	-1.96	55.47	27.53	26.25	-1.278009
9/25/2010 16:00	21673	2_60	2010	268	1600	3.034762	316.2878	27.44026	22.81	47.38	18.91	50.3	27.86	26.84	-1.014882
9/25/2010 17:00	21674	2_60	2010	268	1700	4.135355	349.8283	19.28122	25.84	34.27	13.81	38.5	27.6	26.88	-0.7196263
9/25/2010 18:00	21675	2_60	2010	268	1800	3.972028	319.4512	14.99747	26.88	30.57	20.49	33.71	24.25	25.42	1.170036
9/25/2010 19:00	21676	2_60	2010	268	1900	2.459499	301.0762	14.41531	11.06	20.87	6.055	18.51	21.66	24.13	2.463423
9/25/2010 20:00	21677	2_60	2010	268	2000	1.243674	269.7788	20.34838	3.116	11.37	2.61	7.939	18.28	23.45	5.164479
9/25/2010 21:00	21678	2_60	2010	268	2100	1.55218	234.8969	22.6771	4.988	10.4	7.113	12.75	16.39	22.89	6.497315
9/25/2010 22:00	21679	2_60	2010	268	2200	1.855903	158.9247	17.70671	5.673	11.74	8.98	13.71	17.2	21.12	3.920453
9/25/2010 23:00	21680	2_60	2010	268	2300	1.755189	129.5102	34.67919	1.306	12.02	1.552	10.36	15.66	20.21	4.553106

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/23/2010 0:00	21609	2_60	2010	266	0	87.4	53.98	24.39	AQ	6.178	113.5	2328	13.3
9/23/2010 1:00	21610	2_60	2010	266	100	87.8	53.77	24.4	AQ	2.492	173.9	36	13.31
9/23/2010 2:00	21611	2_60	2010	266	200	90.8	52.35	24.41	AQ	1.604	205.6	133	13.31
9/23/2010 3:00	21612	2_60	2010	266	300	92.3	50.94	24.42	AQ	2.014	187.9	249	13.33
9/23/2010 4:00	21613	2_60	2010	266	400	92.2	51.32	24.44	AQ	6.861	295.8	319	13.35
9/23/2010 5:00	21614	2_60	2010	266	500	93.1	49.65	24.45	AQ	3.482	37.24	426	13.36
9/23/2010 6:00	21615	2_60	2010	266	600	93.1	49.34	24.48	AQ	2.56	72.13	553	13.38
9/23/2010 7:00	21616	2_60	2010	266	700	91.3	50.63	24.5	AQ	3.072	181.4	640	13.39
9/23/2010 8:00	21617	2_60	2010	266	800	82.9	55.53	24.53	AQ	2.731	24.53	702	13.35
9/23/2010 9:00	21618	2_60	2010	266	900	73.07	59.39	24.55	AQ	2.833	292.2	821	13.29
9/23/2010 10:00	21619	2_60	2010	266	1000	67.11	62.12	24.56	AQ	2.935	352.3	911	13.23
9/23/2010 11:00	21620	2_60	2010	266	1100	59.57	65.14	24.57	AQ	4.096	314.8	1024	13.17
9/23/2010 12:00	21621	2_60	2010	266	1200	46.69	67.95	24.57	AQ	4.608	3.109	1111	13.11
9/23/2010 13:00	21622	2_60	2010	266	1300	39.09	70.03	24.57	AQ	5.598	326.3	1300	13.07
9/23/2010 14:00	21623	2_60	2010	266	1400	36.45	71.32	24.56	AQ	5.666	329	1300	13.04
9/23/2010 15:00	21624	2_60	2010	266	1500	31.19	72.83	24.56	AQ	4.847	12.52	1400	13.02
9/23/2010 16:00	21625	2_60	2010	266	1600	21.51	74.68	24.57	AQ	6.656	268.2	1523	13.01
9/23/2010 17:00	21626	2_60	2010	266	1700	22.9	73.51	24.58	AQ	5.564	289.5	1614	13.02
9/23/2010 18:00	21627	2_60	2010	266	1800	37.48	67.12	24.59	AQ	3.994	239.6	1729	13.05
9/23/2010 19:00	21628	2_60	2010	266	1900	42.8	63.45	24.62	AQ	5.769	234	1840	13.12
9/23/2010 20:00	21629	2_60	2010	266	2000	47.29	60.7	24.64	AQ	3.959	274.8	1934	13.19
9/23/2010 21:00	21630	2_60	2010	266	2100	54.26	56.96	24.66	AQ	2.185	250.9	2056	13.24
9/23/2010 22:00	21631	2_60	2010	266	2200	59.06	54.44	24.67	AQ	2.048	260.3	2101	13.29
9/23/2010 23:00	21632	2_60	2010	266	2300	54.51	55.04	24.68	AQ	5.564	132	2255	13.32
9/24/2010 0:00	21633	2_60	2010	267	0	58.47	53.35	24.69	AQ	4.779	127.8	2305	13.34
9/24/2010 1:00	21634	2_60	2010	267	100	66.83	50.69	24.7	AQ	1.673	226.8	45	13.37
9/24/2010 2:00	21635	2_60	2010	267	200	68.87	50.14	24.71	AQ	2.594	290.8	135	13.39
9/24/2010 3:00	21636	2_60	2010	267	300	71.29	48.92	24.72	AQ	1.98	260.5	228	13.41
9/24/2010 4:00	21637	2_60	2010	267	400	72.85	48.34	24.73	AQ	1.502	161	340	13.42
9/24/2010 5:00	21638	2_60	2010	267	500	76.18	47.23	24.74	AQ	1.468	124.3	428	13.43
9/24/2010 6:00	21639	2_60	2010	267	600	78.32	46.36	24.76	AQ	1.877	119.4	506	13.45
9/24/2010 7:00	21640	2_60	2010	267	700	79.49	46.57	24.78	AQ	2.628	287.5	654	13.45
9/24/2010 8:00	21641	2_60	2010	267	800	69.69	51.75	24.79	AQ	2.628	301.3	705	13.42
9/24/2010 9:00	21642	2_60	2010	267	900	54.34	56.96	24.79	AQ	2.423	310.5	844	13.34
9/24/2010 10:00	21643	2_60	2010	267	1000	44.52	61.26	24.8	AQ	2.765	307.4	951	13.26
9/24/2010 11:00	21644	2_60	2010	267	1100	36.3	65.5	24.79	AQ	2.765	306.5	1036	13.19
9/24/2010 12:00	21645	2_60	2010	267	1200	27.71	70.61	24.77	AQ	2.765	302.2	1159	13.12
9/24/2010 13:00	21646	2_60	2010	267	1300	18.93	74.05	24.76	AQ	5.188	317.1	1246	13.06
9/24/2010 14:00	21647	2_60	2010	267	1400	14.36	75.94	24.73	AQ	4.915	267.1	1343	13.02
9/24/2010 15:00	21648	2_60	2010	267	1500	14.97	77.06	24.72	AQ	4.949	252.2	1400	13
9/24/2010 16:00	21649	2_60	2010	267	1600	15.1	78	24.72	AQ	5.871	305.5	1532	12.99
9/24/2010 17:00	21650	2_60	2010	267	1700	15.63	76.97	24.71	AQ	4.335	264.5	1606	12.99
9/24/2010 18:00	21651	2_60	2010	267	1800	28.19	68.18	24.71	AQ	2.355	241.7	1753	13
9/24/2010 19:00	21652	2_60	2010	267	1900	32.41	63.25	24.74	AQ	3.004	274.2	1813	13.1
9/24/2010 20:00	21653	2_60	2010	267	2000	34.38	61.78	24.75	AQ	3.311	256.2	1921	13.19
9/24/2010 21:00	21654	2_60	2010	267	2100	36.8	59.75	24.77	AQ	2.423	305.4	2025	13.23
9/24/2010 22:00	21655	2_60	2010	267	2200	39.26	57.64	24.78	AQ	4.574	132.9	2154	13.27
9/24/2010 23:00	21656	2_60	2010	267	2300	39.02	57.77	24.79	AQ	4.335	124.9	2247	13.3
9/25/2010 0:00	21657	2_60	2010	268	0	48.76	54.58	24.8	AQ	3.516	124.1	2303	13.32
9/25/2010 1:00	21658	2_60	2010	268	100	58.59	51.7	24.79	AQ	3.482	296.4	34	13.35
9/25/2010 2:00	21659	2_60	2010	268	200	58.72	51.29	24.8	AQ	2.082	267.9	103	13.38
9/25/2010 3:00	21660	2_60	2010	268	300	61.48	50.33	24.8	AQ	2.423	235.9	227	13.4
9/25/2010 4:00	21661	2_60	2010	268	400	61.77	50.61	24.81	AQ	4.847	122.3	349	13.41
9/25/2010 5:00	21662	2_60	2010	268	500	67.99	48.28	24.81	AQ	3.516	120.2	400	13.42
9/25/2010 6:00	21663	2_60	2010	268	600	73.09	46.27	24.82	AQ	3.959	296.7	504	13.43
9/25/2010 7:00	21664	2_60	2010	268	700	71.06	47.35	24.83	AQ	1.399	287.4	600	13.45
9/25/2010 8:00	21665	2_60	2010	268	800	55.89	55.41	24.84	AQ	1.638	307	728	13.4
9/25/2010 9:00	21666	2_60	2010	268	900	41.02	61.18	24.84	AQ	2.15	354.3	859	13.32
9/25/2010 10:00	21667	2_60	2010	268	1000	34.18	65.35	24.83	AQ	2.526	15.31	900	13.23
9/25/2010 11:00	21668	2_60	2010	268	1100	30.84	69.29	24.82	AQ	3.209	303.5	1020	13.16
9/25/2010 12:00	21669	2_60	2010	268	1200	23.15	74.34	24.79	AQ	4.506	307.7	1153	13.09
9/25/2010 13:00	21670	2_60	2010	268	1300	17.15	78.72	24.76	AQ	4.983	313.8	1241	13.03
9/25/2010 14:00	21671	2_60	2010	268	1400	14.35	81	24.73	AQ	6.417	274.3	1329	12.99
9/25/2010 15:00	21672	2_60	2010	268	1500	13.5	82.6	24.71	AQ	8.84	351.5	1400	12.97
9/25/2010 16:00	21673	2_60	2010	268	1600	12.93	83.5	24.7	AQ	8.12	305.6	1515	12.95
9/25/2010 17:00	21674	2_60	2010	268	1700	13.89	82.4	24.69	AQ	7.543	335.9	1627	12.95
9/25/2010 18:00	21675	2_60	2010	268	1800	19.35	76.61	24.69	AQ	8.43	336.4	1704	12.98
9/25/2010 19:00	21676	2_60	2010	268	1900	22.68	71.6	24.7	AQ	4.813	306	1804	13.05
9/25/2010 20:00	21677	2_60	2010	268	2000	29.92	65.16	24.71	AQ	2.901	305.2	1921	13.13
9/25/2010 21:00	21678	2_60	2010	268	2100	34.62	61.89	24.71	AQ	2.662	212.3	2015	13.19
9/25/2010 22:00	21679	2_60	2010	268	2200	30.56	63.32	24.72	AQ	3.584	167.2	2118	13.22
9/25/2010 23:00	21680	2_60	2010	268	2300	35.76	60.88	24.72	AQ	3.959	115.7	2251	13.25

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/26/2010 0:00	21681	2_60	2010	269	0	1.438118	270.0375	37.76772	6.64	16.53	5.589	13.67	14.95	18.71	3.765211
9/26/2010 1:00	21682	2_60	2010	269	100	2.453923	191.2302	43.87396	6.317	27.79	10.98	28.95	14.53	16.84	2.307554
9/26/2010 2:00	21683	2_60	2010	269	200	0.7527556	216.0407	28.31919	2.229	7.754	1.655	6.96	12.95	16.92	3.970825
9/26/2010 3:00	21684	2_60	2010	269	300	0.6128335	285.5266	33.28606	0.049	4.305	-0.16	1.618	12.98	16.01	3.032093
9/26/2010 4:00	21685	2_60	2010	269	400	1.125254	239.1262	38.31339	2.199	7.915	1.113	4.908	11.27	14.29	3.018881
9/26/2010 5:00	21686	2_60	2010	269	500	0.3187506	122.592	30.08465	0.774	5.075	0.379	3.752	10.55	13.76	3.202229
9/26/2010 6:00	21687	2_60	2010	269	600	0.3654563	108.4668	11.84752	-0.379	2.047	-0.323	1.847	10.57	13.64	3.067567
9/26/2010 7:00	21688	2_60	2010	269	700	0.3064304	198.5578	15.32102	0.019	2.14	-0.193	0.647	10.33	13.24	2.914084
9/26/2010 8:00	21689	2_60	2010	269	800	0.6421604	275.916	23.49439	-0.031	10.89	0.076	6.311	13.24	12.98	-0.2527754
9/26/2010 9:00	21690	2_60	2010	269	900	0.688409	318.656	39.29667	7.258	38.78	6.436	33.29	16.08	15.37	-0.7094367
9/26/2010 10:00	21691	2_60	2010	269	1000	0.675498	58.38372	42.66081	3.877	47.98	3.605	44.25	19.37	18.53	-0.8468033
9/26/2010 11:00	21692	2_60	2010	269	1100	0.8122002	40.25704	35.62115	2.457	51.52	3.015	50.48	22.08	21.19	-0.8912395
9/26/2010 12:00	21693	2_60	2010	269	1200	1.329516	341.8159	45.11107	6.276	50.92	3.713	47.13	24.46	23.32	-1.142297
9/26/2010 13:00	21694	2_60	2010	269	1300	1.451489	34.88129	60.19646	9.12	59.3	7.152	57.09	26.59	25.58	-1.013556
9/26/2010 14:00	21695	2_60	2010	269	1400	2.185722	17.04024	34.16466	16.03	58	7.313	61.05	28.07	26.88	-1.184396
9/26/2010 15:00	21696	2_60	2010	269	1500	2.26229	330.4593	31.20397	17.75	52.78	12.15	52.93	28.8	27.68	-1.127066
9/26/2010 16:00	21697	2_60	2010	269	1600	2.386965	351.3871	47.29472	11.46	35.94	3.066	38.57	29.15	28.15	-0.9996564
9/26/2010 17:00	21698	2_60	2010	269	1700	1.480301	266.7914	25.83888	4.039	31.8	6.73	30.48	28.37	28.05	-0.3223523
9/26/2010 18:00	21699	2_60	2010	269	1800	2.331187	271.4811	8.337051	0.684	11.84	10.7	11.44	23.39	27.3	3.91399
9/26/2010 19:00	21700	2_60	2010	269	1900	4.214382	256.9909	29.4431	27.03	22.24	48.77	32.81	22.48	26.1	3.617325
9/26/2010 20:00	21701	2_60	2010	269	2000	1.885721	261.5988	20.13339	0.743	15.17	5.068	11.97	20.58	24.94	4.363897
9/26/2010 21:00	21702	2_60	2010	269	2100	1.779299	262.9376	9.968287	4.107	9.74	5.099	7.942	19.49	24.63	5.14048
9/26/2010 22:00	21703	2_60	2010	269	2200	0.9522293	257.3034	23.66259	0.45	6.458	0.613	3.692	17.3	23.53	6.231719
9/26/2010 23:00	21704	2_60	2010	269	2300	3.710001	141.3122	16.32393	1.729	17.54	13.94	22	17.83	21.53	3.699664
9/27/2010 0:00	21705	2_60	2010	270	0	1.581052	154.0681	37.29044	3.921	10.73	5.167	12.38	14.92	19.18	4.255913
9/27/2010 1:00	21706	2_60	2010	270	100	0.5616339	250.6142	12.34113	-0.439	3.855	0.086	2.079	14.04	17.79	3.752401
9/27/2010 2:00	21707	2_60	2010	270	200	1.366926	241.4625	31.4822	4.903	10.55	2.399	7.375	13.23	16.44	3.207779
9/27/2010 3:00	21708	2_60	2010	270	300	0.7118268	245.3687	27.79956	0.392	3.405	0.032	2.179	12.15	16.6	4.448715
9/27/2010 4:00	21709	2_60	2010	270	400	0.5915286	245.1942	32.51761	0.578	4.4	-0.165	1.226	11.82	16	4.174852
9/27/2010 5:00	21710	2_60	2010	270	500	0.5224943	269.5727	33.51324	0.535	4.778	-0.027	2.281	12.21	15.04	2.821181
9/27/2010 6:00	21711	2_60	2010	270	600	1.079689	299.7305	27.71479	3.227	10.18	1.666	8.11	11.4	13.81	2.41258
9/27/2010 7:00	21712	2_60	2010	270	700	1.419228	275.9662	11.73265	-0.733	11.25	1.648	7.946	10.77	12.74	1.972711
9/27/2010 8:00	21713	2_60	2010	270	800	1.610145	289.7026	12.38699	4.28	15.33	5.299	11.84	12.8	12.65	-0.1479532
9/27/2010 9:00	21714	2_60	2010	270	900	0.8277025	311.3184	37.01249	2.412	33.01	2.42	28.58	16	15.31	-0.685343
9/27/2010 10:00	21715	2_60	2010	270	1000	0.9059233	329.8561	35.33665	-5.676	42.63	-7.433	38.61	19.06	18.27	-0.7826712
9/27/2010 11:00	21716	2_60	2010	270	1100	1.367888	311.2852	42.51564	3.817	47.38	2.32	44.35	21.72	20.82	-0.89996
9/27/2010 12:00	21717	2_60	2010	270	1200	1.947612	307.9407	20.85288	12.38	50.1	9.05	48.15	25.16	24.05	-1.110881
9/27/2010 13:00	21718	2_60	2010	270	1300	2.478385	308.3327	18.21259	8.29	48.12	3.322	48.14	28.4	27.25	-1.155538
9/27/2010 14:00	21719	2_60	2010	270	1400	2.243316	285.8345	32.68999	8.62	49.78	11.55	48.89	30.49	29.24	-1.250695
9/27/2010 15:00	21720	2_60	2010	270	1500	2.671127	283.6286	22.17913	4.1	45.68	8.84	46.74	31.41	30.13	-1.282541
9/27/2010 16:00	21721	2_60	2010	270	1600	2.999056	257.6046	15.02413	4.722	37.57	18.53	39.49	31.72	30.56	-1.156409
9/27/2010 17:00	21722	2_60	2010	270	1700	3.395774	299.4167	19.42936	15.44	30.81	16.1	29.56	31.24	30.53	-0.7160146
9/27/2010 18:00	21723	2_60	2010	270	1800	4.265203	325.183	17.31322	30.97	30.87	22.17	32.2	27.7	29.03	1.330689
9/27/2010 19:00	21724	2_60	2010	270	1900	2.824662	288.3652	12.77164	9.22	23.66	9.7	19.48	24.71	27.55	2.832563
9/27/2010 20:00	21725	2_60	2010	270	2000	1.925456	276.0685	11.93107	-0.621	12.58	4.095	9.75	21.86	27.01	5.146452
9/27/2010 21:00	21726	2_60	2010	270	2100	0.8270154	240.8553	32.25361	1.486	5.679	0.621	4.189	18.57	25.73	7.163699
9/27/2010 22:00	21727	2_60	2010	270	2200	1.639338	219.389	9.796002	4.938	8.87	10.29	15.42	18.12	24.4	6.279015
9/27/2010 23:00	21728	2_60	2010	270	2300	1.253829	200.1517	24.72015	1.018	5.198	0.802	4.386	17.78	23.4	5.615577
9/28/2010 0:00	21729	2_60	2010	271	0	0.8949457	171.2252	31.73983	2.701	9.03	1.752	7.295	16.45	21.37	4.921906
9/28/2010 1:00	21730	2_60	2010	271	100	0.9337472	187.8291	47.93333	-1.948	14.24	-2.298	13.16	14.28	19.11	4.831945
9/28/2010 2:00	21731	2_60	2010	271	200	0.7582958	242.3672	29.63171	1.427	7.86	0.764	5.769	14.24	17.78	3.536342
9/28/2010 3:00	21732	2_60	2010	271	300	0.2831071	212.5768	34.68655	-0.187	1.22	-0.219	0.321	13.27	17.36	4.088705
9/28/2010 4:00	21733	2_60	2010	271	400	0.7955901	231.9507	25.23878	0	5.86	-0.05	3.792	12.18	16.31	4.125372
9/28/2010 5:00	21734	2_60	2010	271	500	0.9467406	285.4051	39.87119	1.956	7.03	-0.042	2.699	11.28	15.04	3.75613
9/28/2010 6:00	21735	2_60	2010	271	600	1.018963	279.0776	11.34769	-2.062	7.394	-0.056	2.894	11.17	13.6	2.428396
9/28/2010 7:00	21736	2_60	2010	271	700	1.241479	279.0529	17.24851	0.9	8.92	1.908	7.651	10.42	12.48	2.06138
9/28/2010 8:00	21737	2_60	2010	271	800	0.4544578	43.42583	22.78589	2.232	9.56	1.745	9.77	13.26	13.02	-0.240259
9/28/2010 9:00	21738	2_60	2010	271	900	0.531372	45.0247	35.24057	-9.22	34.07	-7.626	30.29	17.42	16.73	-0.6882769
9/28/2010 10:00	21739	2_60	2010	271	1000	0.6477343	336.7933	49.14361	0.131	39.85	0.064	34.57	19.74	18.96	-0.7781698
9/28/2010 11:00	21740	2_60	2010	271	1100	1.186557	335.6537	37.22275	11.34	54.17	7.839	51.76	22.25	21.27	-0.9823886
9/28/2010 12:00	21741	2_60	2010	271	1200	1.177026	319.2787	47.78482	3.443	57.06	1.034	54.59	24.73	23.76	-0.9739666
9/28/2010 13:00	21742	2_60	2010	271	1300	1.561396	308.0292	34.17356	10.84	56.58	8.74	53.49	27.29	26.18	-1.107057
9/28/2010 14:00	21743	2_60	2010	271	1400	1.779335	320.3976	29.62682	10.18	51.98	6.486	50.33	29.62	28.52	-1.103322
9/28/2010 15:00	21744	2_60	2010	271	1500	2.184615	314.0099	33.30321	16.36	54.77	13.81	53.52	30.64	29.59	-1.044981
9/28/2010 16:00	21745	2_60	2010	271	1600	2.695482	309.6174	20.397	20.85	35.91	15.75	37.6	31.13	30.07	-1.057854
9/28/2010 17:00	21746	2_60	2010	271	1700	2.098882	276.3259	16.34835	4.444	26.79	11.8	22.74	30.17	29.84	-0.3388359
9/28/2010 18:00	21747	2_60	2010	271	1800	2.242411	272.5051	7.917552	-0.788	10.53	10.31	11.27	24.62	29.07	4.449706
9/28/2010 19:00	21748	2_60	2010	271	1900	2.694737	277.601	18.02075	6.817	17.82	14.05	19.64	23.19	28.27	5.078372
9/28/2010 20:00	21749	2_60	2010	271	2000	1.765093	272.425	19.34792	2.933	11.62	6.186	9.38	21.11	27.1	5.991907
9/28/2010 21:00	21750	2_60	2010	271	2100	1.026753	216.758	18.02073	1.593	5.561	1.481	5.125	20.1	25.43	5.332473
9/28/2010 22:00	21751	2_60	2010	271	2200	0.769049	217.853	47.95644	0.732	6.726	0.759	4.646	18.57	23.92	5.348931
9/28/2010 23:00	21752	2_60	2010	271	2300	0.8657909	205.0199	19.07608	2.509	12.09	2.068	10.66	16.43	21.65	5.226507

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/26/2010 0:00	21681	2_60	2010	269	0	39.41	59.22	24.72	AQ	3.994	301.3	2358	13.27
9/26/2010 1:00	21682	2_60	2010	269	100	40.34	58.74	24.73	AQ	6.11	161.9	45	13.29
9/26/2010 2:00	21683	2_60	2010	269	200	46.28	55.98	24.73	AQ	2.014	209	100	13.3
9/26/2010 3:00	21684	2_60	2010	269	300	46.15	55.79	24.73	AQ	1.775	283.2	251	13.32
9/26/2010 4:00	21685	2_60	2010	269	400	53.26	52.97	24.74	AQ	2.56	296.3	313	13.35
9/26/2010 5:00	21686	2_60	2010	269	500	57.24	51.4	24.75	AQ	1.024	311.5	426	13.37
9/26/2010 6:00	21687	2_60	2010	269	600	56.39	51.62	24.76	AQ	1.775	135.8	533	13.39
9/26/2010 7:00	21688	2_60	2010	269	700	59.31	51.39	24.78	AQ	1.638	186.9	606	13.4
9/26/2010 8:00	21689	2_60	2010	269	800	45.93	58.21	24.78	AQ	1.468	298.7	727	13.35
9/26/2010 9:00	21690	2_60	2010	269	900	37.31	63.7	24.78	AQ	2.423	342	838	13.28
9/26/2010 10:00	21691	2_60	2010	269	1000	30.22	69.11	24.77	AQ	2.082	310.1	956	13.19
9/26/2010 11:00	21692	2_60	2010	269	1100	24.89	73.62	24.75	AQ	2.697	17.49	1043	13.12
9/26/2010 12:00	21693	2_60	2010	269	1200	22.38	77.69	24.72	AQ	3.789	309.8	1154	13.05
9/26/2010 13:00	21694	2_60	2010	269	1300	18.59	81.4	24.7	AQ	4.506	341.2	1245	13
9/26/2010 14:00	21695	2_60	2010	269	1400	15.11	83.8	24.67	AQ	4.745	346.9	1314	12.96
9/26/2010 15:00	21696	2_60	2010	269	1500	14.02	85.2	24.65	AQ	5.018	341.5	1401	12.94
9/26/2010 16:00	21697	2_60	2010	269	1600	13.28	85.9	24.64	AQ	5.052	299.9	1511	12.93
9/26/2010 17:00	21698	2_60	2010	269	1700	14.52	84.7	24.63	AQ	3.106	251.4	1622	12.93
9/26/2010 18:00	21699	2_60	2010	269	1800	23.76	74.76	24.63	AQ	3.857	270.7	1751	12.97
9/26/2010 19:00	21700	2_60	2010	269	1900	22.69	73.08	24.64	AQ	5.939	248.4	1836	13.04
9/26/2010 20:00	21701	2_60	2010	269	2000	26.64	69.6	24.65	AQ	2.901	273.5	1903	13.1
9/26/2010 21:00	21702	2_60	2010	269	2100	28.84	67.73	24.66	AQ	2.833	258.7	2016	13.15
9/26/2010 22:00	21703	2_60	2010	269	2200	35.24	63.13	24.67	AQ	1.877	245.1	2107	13.19
9/26/2010 23:00	21704	2_60	2010	269	2300	31.97	64.74	24.67	AQ	6.69	128.8	2231	13.22
9/27/2010 0:00	21705	2_60	2010	270	0	41.71	59.45	24.67	AQ	4.164	132.7	2302	13.24
9/27/2010 1:00	21706	2_60	2010	270	100	45.81	57.8	24.68	AQ	2.15	263.9	57	13.27
9/27/2010 2:00	21707	2_60	2010	270	200	49.09	56.17	24.68	AQ	3.209	300.8	101	13.31
9/27/2010 3:00	21708	2_60	2010	270	300	53.15	54.43	24.68	AQ	1.399	234.8	236	13.33
9/27/2010 4:00	21709	2_60	2010	270	400	53.34	54.04	24.68	AQ	1.57	139.8	329	13.34
9/27/2010 5:00	21710	2_60	2010	270	500	51.86	54.35	24.69	AQ	1.434	347.6	443	13.36
9/27/2010 6:00	21711	2_60	2010	270	600	54.59	52.91	24.71	AQ	2.253	296.2	553	13.37
9/27/2010 7:00	21712	2_60	2010	270	700	57.79	51.89	24.71	AQ	2.697	266.1	652	13.38
9/27/2010 8:00	21713	2_60	2010	270	800	49.55	57.02	24.72	AQ	3.618	278	707	13.35
9/27/2010 9:00	21714	2_60	2010	270	900	39.13	63.24	24.73	AQ	1.877	323.9	816	13.28
9/27/2010 10:00	21715	2_60	2010	270	1000	32.3	68.68	24.72	AQ	2.628	334.8	944	13.2
9/27/2010 11:00	21716	2_60	2010	270	1100	28.38	72.95	24.7	AQ	3.243	334.4	1033	13.12
9/27/2010 12:00	21717	2_60	2010	270	1200	21.55	78.64	24.68	AQ	3.413	312.7	1143	13.05
9/27/2010 13:00	21718	2_60	2010	270	1300	14.73	84.5	24.66	AQ	4.983	312.6	1215	12.99
9/27/2010 14:00	21719	2_60	2010	270	1400	11.96	88.3	24.63	AQ	5.018	275.8	1347	12.95
9/27/2010 15:00	21720	2_60	2010	270	1500	10.39	90.2	24.62	AQ	5.257	267.4	1439	12.92
9/27/2010 16:00	21721	2_60	2010	270	1600	9.17	90.5	24.61	AQ	5.359	266.6	1551	12.91
9/27/2010 17:00	21722	2_60	2010	270	1700	9.55	89.5	24.61	AQ	7.27	337.4	1659	12.92
9/27/2010 18:00	21723	2_60	2010	270	1800	12.33	82.9	24.62	AQ	8.77	330.1	1726	12.94
9/27/2010 19:00	21724	2_60	2010	270	1900	14.28	77.01	24.63	AQ	4.54	310.4	1818	13.01
9/27/2010 20:00	21725	2_60	2010	270	2000	16.64	72.12	24.65	AQ	3.652	307.1	1936	13.08
9/27/2010 21:00	21726	2_60	2010	270	2100	23.23	65.56	24.65	AQ	2.15	216.2	2057	13.14
9/27/2010 22:00	21727	2_60	2010	270	2200	23.67	64.59	24.66	AQ	2.97	222.9	2106	13.19
9/27/2010 23:00	21728	2_60	2010	270	2300	24.06	64.23	24.66	AQ	2.423	143.6	2231	13.22
9/28/2010 0:00	21729	2_60	2010	271	0	27.02	62.15	24.67	AQ	3.345	129.5	2331	13.24
9/28/2010 1:00	21730	2_60	2010	271	100	32.44	58.34	24.67	AQ	2.765	119.1	56	13.27
9/28/2010 2:00	21731	2_60	2010	271	200	32.3	58.1	24.68	AQ	1.911	311.7	142	13.3
9/28/2010 3:00	21732	2_60	2010	271	300	34.95	56.5	24.68	AQ	0.887	180.1	228	13.32
9/28/2010 4:00	21733	2_60	2010	271	400	38.63	54.4	24.68	AQ	2.389	152.4	351	13.34
9/28/2010 5:00	21734	2_60	2010	271	500	41.73	52.9	24.69	AQ	2.355	305.7	430	13.36
9/28/2010 6:00	21735	2_60	2010	271	600	42.15	52.48	24.7	AQ	2.355	292.6	508	13.38
9/28/2010 7:00	21736	2_60	2010	271	700	44.81	52	24.72	AQ	2.389	263.6	611	13.39
9/28/2010 8:00	21737	2_60	2010	271	800	35.65	58.76	24.72	AQ	1.161	34.32	747	13.36
9/28/2010 9:00	21738	2_60	2010	271	900	25.58	66.36	24.72	AQ	1.911	16.1	817	13.28
9/28/2010 10:00	21739	2_60	2010	271	1000	21.84	70.28	24.71	AQ	2.185	338.6	943	13.19
9/28/2010 11:00	21740	2_60	2010	271	1100	20.45	73.9	24.69	AQ	3.209	302.1	1056	13.12
9/28/2010 12:00	21741	2_60	2010	271	1200	16.35	78.28	24.66	AQ	3.209	334.4	1104	13.05
9/28/2010 13:00	21742	2_60	2010	271	1300	12.87	82.9	24.63	AQ	3.994	320.4	1218	12.97
9/28/2010 14:00	21743	2_60	2010	271	1400	9.67	86.9	24.6	AQ	3.857	301.3	1353	12.95
9/28/2010 15:00	21744	2_60	2010	271	1500	8.47	88.9	24.58	AQ	5.222	318.7	1429	12.93
9/28/2010 16:00	21745	2_60	2010	271	1600	8.95	89.8	24.57	AQ	6.827	309.9	1508	12.92
9/28/2010 17:00	21746	2_60	2010	271	1700	10	87.9	24.56	AQ	4.369	320.7	1600	12.92
9/28/2010 18:00	21747	2_60	2010	271	1800	14.91	77	24.56	AQ	4.437	273.6	1759	12.95
9/28/2010 19:00	21748	2_60	2010	271	1900	14.26	74.36	24.57	AQ	5.052	264.1	1812	13.03
9/28/2010 20:00	21749	2_60	2010	271	2000	16.52	70.44	24.58	AQ	3.618	264.3	1903	13.09
9/28/2010 21:00	21750	2_60	2010	271	2100	18.62	67.99	24.58	AQ	1.946	201.1	2047	13.14
9/28/2010 22:00	21751	2_60	2010	271	2200	20.33	65.87	24.59	AQ	1.809	207.1	2124	13.18
9/28/2010 23:00	21752	2_60	2010	271	2300	24.05	62.07	24.59	AQ	2.253	176	2206	13.22

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	WSpd30m_m/s	WDir30m_Deg	ST30m	VertWS30mEPS_Avg	VertWS30mEPS_Std	VertWS30mCFT_Avg	VertWS30mCFT_Std	Temp2m_Avg	Temp30m_Avg	DeltaT_Avg
TS	RN					m/s	Deg	Deg	cm/s	cm/s	cm/s	cm/s	DegC	DegC	
		Smp	Smp	Smp	Smp	WVc	WVc	WVc	Avg	Std	Avg	Std	Avg	Avg	Avg
9/29/2010 0:00	21753	2_60	2010	272	0	0.81658	170.5369	28.1787	-0.53	5.725	0.157	3.161	15.56	19.91	4.345027
9/29/2010 1:00	21754	2_60	2010	272	100	1.051956	261.8672	14.03348	-3.474	8.48	-0.055	1.496	14.56	18.66	4.097361
9/29/2010 2:00	21755	2_60	2010	272	200	0.6106132	308.2309	49.72522	-0.491	3.969	-0.139	1.216	13.01	17.79	4.782165
9/29/2010 3:00	21756	2_60	2010	272	300	0.463046	169.9752	12.47112	-0.26	0.333	-0.256	0.106	12.71	17.27	4.560768
9/29/2010 4:00	21757	2_60	2010	272	400	0.7026952	226.9006	36.93041	-0.41	2.97	-0.002	1.901	12.71	16.42	3.718532
9/29/2010 5:00	21758	2_60	2010	272	500	0.5090917	301.1021	39.59568	0.63	4.53	-0.004	1.918	11.85	15.53	3.673924
9/29/2010 6:00	21759	2_60	2010	272	600	1.413235	249.5885	42.4539	0.556	8.38	0.389	4.25	10.93	13.69	2.757576
9/29/2010 7:00	21760	2_60	2010	272	700	1.832158	272.4473	19.97032	2.095	11.18	5.2	10.27	10.36	12.45	2.086631
9/29/2010 8:00	21761	2_60	2010	272	800	0.7321324	65.3551	36.17746	2.163	13.04	0.455	8.57	13.59	13.36	-0.2311021
9/29/2010 9:00	21762	2_60	2010	272	900	0.4617938	66.89253	45.11513	-0.092	30.54	2.481	26.24	16.71	16.1	-0.6141512
9/29/2010 10:00	21763	2_60	2010	272	1000	0.7947068	331.3677	47.5508	-4.055	45.68	-3.639	44.25	19.32	18.65	-0.6679404
9/29/2010 11:00	21764	2_60	2010	272	1100	1.682913	319.1961	26.04525	11.74	48.69	7.475	47.5	21.72	20.71	-1.013578
9/29/2010 12:00	21765	2_60	2010	272	1200	1.413371	313.5504	25.78401	1.534	48.42	-0.317	45.76	24.73	23.58	-1.156674
9/29/2010 13:00	21766	2_60	2010	272	1300	1.788693	306.8324	25.61145	10.09	51.18	7.499	49	28.04	26.98	-1.05954
9/29/2010 14:00	21767	2_60	2010	272	1400	1.888366	305.7505	30.9152	4.377	52.12	3.204	50.82	29.8	28.72	-1.077197
9/29/2010 15:00	21768	2_60	2010	272	1500	2.382299	273.7614	26.47143	-2.813	42.97	2.732	44.22	30.82	29.63	-1.183952
9/29/2010 16:00	21769	2_60	2010	272	1600	3.031055	262.5765	12.86549	0.34	32.31	13.46	34.55	31.12	30.08	-1.037511
9/29/2010 17:00	21770	2_60	2010	272	1700	2.484444	270.0626	10.24644	-0.123	19.82	10.75	19.33	30.41	29.89	-0.5152975
9/29/2010 18:00	21771	2_60	2010	272	1800	2.83266	287.5385	8.383497	10.31	19.17	7.427	14.47	25.49	28.92	3.428411
9/29/2010 19:00	21772	2_60	2010	272	1900	2.771912	276.8479	11.77478	0.024	17.63	8.03	15.77	23.65	27.92	4.269376
9/29/2010 20:00	21773	2_60	2010	272	2000	1.656512	281.9091	19.2945	7.329	14.04	4.384	10.71	21.3	26.79	5.489482
9/29/2010 21:00	21774	2_60	2010	272	2100	1.008412	259.4112	19.8812	3.979	7.699	2.513	5.985	19.04	25.49	6.449169
9/29/2010 22:00	21775	2_60	2010	272	2200	1.157943	195.6939	19.31995	1.79	8.12	2.505	8.75	17.81	24.39	6.573529
9/29/2010 23:00	21776	2_60	2010	272	2300	1.309805	186.6692	21.66816	2.666	9.86	2.936	8.37	18.57	22.92	4.347949
9/30/2010 1:00	21778	2_60	2010	273	100	1.204649	103.3077	30.78238	-0.656	11.97	1.51	12.03	15.48	19.91	4.427769
9/30/2010 2:00	21779	2_60	2010	273	200	1.682884	178.2786	31.36197	0.901	20.45	4.481	24.96	14.77	18.49	3.72493
9/30/2010 3:00	21780	2_60	2010	273	300	1.625739	248.3438	28.41238	0.018	15.96	4.874	16.38	14.35	17.2	2.853571
9/30/2010 4:00	21781	2_60	2010	273	400	1.787672	294.4556	21.74257	8.36	15.45	3.696	10.39	12.04	14.03	1.992468
9/30/2010 5:00	21782	2_60	2010	273	500	0.6639788	163.1386	44.56454	-0.263	2.439	-0.306	0.776	11.29	14.1	2.8051
9/30/2010 6:00	21783	2_60	2010	273	600	0.924381	167.9135	21.51597	-0.423	1.314	-0.242	0.276	11.38	14.99	3.610401
9/30/2010 7:00	21784	2_60	2010	273	700	0.5786991	259.4106	19.01036	-0.237	3.375	-0.226	0.184	11.46	14.11	2.653133
9/30/2010 8:00	21785	2_60	2010	273	800	1.05526	309.9735	15.81867	0.957	9.98	-0.014	6.984	13.35	13.31	-0.04562797
9/30/2010 9:00	21786	2_60	2010	273	900	0.4628761	327.0286	43.82453	-1.743	25.48	-1.122	20.88	15.91	15.3	-0.6115369
9/30/2010 10:00	21787	2_60	2010	273	1000	0.9031939	340.1869	40.91857	8.45	44.8	7.01	39.17	19.81	19.02	-0.7950906
9/30/2010 11:00	21788	2_60	2010	273	1100	1.075794	325.5984	29.97742	-3.311	45.18	-5.36	42.94	22.59	21.68	-0.9094439
9/30/2010 12:00	21789	2_60	2010	273	1200	1.66314	314.5817	25.5063	8.93	51.4	5.912	50.79	25.31	24.28	-1.037536
9/30/2010 13:00	21790	2_60	2010	273	1300	2.676754	283.6886	37.94851	12.51	68.82	18.73	71.7	28.99	27.78	-1.210086
9/30/2010 14:00	21791	2_60	2010	273	1400	5.021996	239.7835	39.44933	-0.783	76.78	24.36	85.6	30.62	29.22	-1.402853
9/30/2010 15:00	21792	2_60	2010	273	1500	4.976102	198.3439	29.62365	6.6	86.6	36.13	94.7	30.82	29.62	-1.192853
9/30/2010 16:00	21793	2_60	2010	273	1600	3.565698	200.5562	28.41169	5.849	69.79	26.21	73.14	30.83	29.86	-0.9711218
9/30/2010 17:00	21794	2_60	2010	273	1700	3.833303	205.2439	20.57955	9.83	50.63	33.79	57.96	30.39	29.79	-0.5984619
9/30/2010 18:00	21795	2_60	2010	273	1800	3.666988	254.6656	20.40441	7.863	33.89	27.15	35.65	25.9	28.75	2.845047
9/30/2010 19:00	21796	2_60	2010	273	1900	1.339788	241.4619	25.68108	0.471	9.64	4.081	12.13	23.41	26.7	3.285455
9/30/2010 20:00	21797	2_60	2010	273	2000	2.068164	229.2985	12.99496	4.852	14.61	10.55	15.9	21.49	25.91	4.425885
9/30/2010 21:00	21798	2_60	2010	273	2100	1.636001	264.0515	25.44245	9.47	13.09	9.5	16.64	19.94	24.61	4.662707
9/30/2010 22:00	21799	2_60	2010	273	2200	1.122046	263.5898	25.09854	3.394	8.98	0.814	4.597	17.6	23.33	5.730641
9/30/2010 23:00	21800	2_60	2010	273	2300	0.6817838	163.4225	34.9364	0.343	7.907	0.243	4.498	17.31	21.47	4.164167
10/1/2010 0:00	21801	2_60	2010	274	0	0.827622	172.3563	41.96431	0.92	6.245	0.453	4.09	15.53	19.69	4.160783

Appendix A2 - Site 2 Third Quarter 2010 Met Data

TIMESTAMP	RECORD	HRLY_ARR_ID	Year	Day_of_Year	HOUR	RH_Avg	RHTemp_Avg	BPinHg	SolarRad_Avg	GustSpeed	GustDir	GustTime	BatteryV_Avg
TS	RN						DegF	inHg	W/m²	m/s	Deg		Volts
		Smp	Smp	Smp	Smp	Avg	Avg	Smp	Avg	Smp	Smp	Smp	Avg
9/29/2010 0:00	21753	2_60	2010	272	0	26.03	60.53	24.59	AQ	2.082	137.2	2328	13.25
9/29/2010 1:00	21754	2_60	2010	272	100	28.32	59.29	24.59	AQ	2.97	269.9	46	13.28
9/29/2010 2:00	21755	2_60	2010	272	200	32.49	56.26	24.6	AQ	2.287	273	100	13.3
9/29/2010 3:00	21756	2_60	2010	272	300	34.24	55.16	24.59	AQ	1.502	209.5	254	13.33
9/29/2010 4:00	21757	2_60	2010	272	400	33.28	55.38	24.6	AQ	2.219	188.7	319	13.34
9/29/2010 5:00	21758	2_60	2010	272	500	35.74	54.1	24.61	AQ	1.468	275.7	459	13.35
9/29/2010 6:00	21759	2_60	2010	272	600	38.98	52.12	24.62	AQ	3.379	298	507	13.37
9/29/2010 7:00	21760	2_60	2010	272	700	41.67	51.26	24.62	AQ	3.14	273.9	635	13.39
9/29/2010 8:00	21761	2_60	2010	272	800	32.22	58.82	24.63	AQ	2.185	329	713	13.36
9/29/2010 9:00	21762	2_60	2010	272	900	23.96	65.16	24.62	AQ	1.468	324.8	859	13.28
9/29/2010 10:00	21763	2_60	2010	272	1000	21.4	69.2	24.61	AQ	2.662	308.2	957	13.19
9/29/2010 11:00	21764	2_60	2010	272	1100	20.11	72.73	24.59	AQ	3.209	295.4	1035	13.12
9/29/2010 12:00	21765	2_60	2010	272	1200	15.77	78.1	24.56	AQ	3.072	296	1112	13.06
9/29/2010 13:00	21766	2_60	2010	272	1300	11.24	84.3	24.53	AQ	3.789	326	1222	13
9/29/2010 14:00	21767	2_60	2010	272	1400	9.87	87.4	24.51	AQ	4.164	262.9	1357	12.95
9/29/2010 15:00	21768	2_60	2010	272	1500	8.52	89.2	24.49	AQ	4.676	247.8	1452	12.93
9/29/2010 16:00	21769	2_60	2010	272	1600	8.48	89.4	24.49	AQ	4.779	262.4	1509	12.92
9/29/2010 17:00	21770	2_60	2010	272	1700	9.74	88.2	24.49	AQ	3.55	267.5	1627	12.92
9/29/2010 18:00	21771	2_60	2010	272	1800	13.19	78.92	24.5	AQ	4.642	303.8	1747	12.96
9/29/2010 19:00	21772	2_60	2010	272	1900	12.92	75.31	24.51	AQ	6.997	294.5	1837	13.03
9/29/2010 20:00	21773	2_60	2010	272	2000	14.6	71.01	24.53	AQ	3.447	297.1	1932	13.09
9/29/2010 21:00	21774	2_60	2010	272	2100	17.01	66.57	24.54	AQ	2.082	252.9	2001	13.15
9/29/2010 22:00	21775	2_60	2010	272	2200	18.07	64.49	24.55	AQ	2.082	167.3	2143	13.19
9/29/2010 23:00	21776	2_60	2010	272	2300	16.57	65.91	24.55	AQ	2.628	185.5	2219	13.22
9/30/2010 1:00	21778	2_60	2010	273	100	22.2	60.55	24.56	AQ	5.461	128.3	57	13.26
9/30/2010 2:00	21779	2_60	2010	273	200	24.91	59.22	24.57	AQ	6.758	132.6	155	13.28
9/30/2010 3:00	21780	2_60	2010	273	300	26.01	58.58	24.57	AQ	5.803	133.1	200	13.3
9/30/2010 4:00	21781	2_60	2010	273	400	33.11	54.22	24.59	AQ	4.233	292.7	340	13.32
9/30/2010 5:00	21782	2_60	2010	273	500	34.57	52.71	24.6	AQ	1.673	111.1	416	13.35
9/30/2010 6:00	21783	2_60	2010	273	600	32.86	53.2	24.61	AQ	1.502	110.8	525	13.38
9/30/2010 7:00	21784	2_60	2010	273	700	33.57	53.52	24.64	AQ	1.399	296.5	656	13.39
9/30/2010 8:00	21785	2_60	2010	273	800	30.34	58.39	24.65	AQ	2.662	287.2	728	13.35
9/30/2010 9:00	21786	2_60	2010	273	900	25.95	63.48	24.66	AQ	1.399	108.5	845	13.28
9/30/2010 10:00	21787	2_60	2010	273	1000	21.15	69.89	24.65	AQ	2.594	330.4	945	13.2
9/30/2010 11:00	21788	2_60	2010	273	1100	17.02	74.77	24.63	AQ	3.106	312.5	1003	13.12
9/30/2010 12:00	21789	2_60	2010	273	1200	14.63	79.18	24.61	AQ	3.755	298.9	1134	13.05
9/30/2010 13:00	21790	2_60	2010	273	1300	12.78	85.3	24.58	AQ	8.4	233.1	1247	12.99
9/30/2010 14:00	21791	2_60	2010	273	1400	11.06	87.7	24.57	AQ	12.97	250.6	1343	12.95
9/30/2010 15:00	21792	2_60	2010	273	1500	9.35	88	24.56	AQ	9.15	242.7	1416	12.94
9/30/2010 16:00	21793	2_60	2010	273	1600	9.23	88.3	24.56	AQ	9.66	252.4	1556	12.93
9/30/2010 17:00	21794	2_60	2010	273	1700	9.58	87.4	24.56	AQ	8.74	198.4	1602	12.93
9/30/2010 18:00	21795	2_60	2010	273	1800	13.11	79.42	24.58	AQ	6.963	253.4	1718	12.96
9/30/2010 19:00	21796	2_60	2010	273	1900	14.05	74.68	24.6	AQ	3.686	198.9	1856	13.04
9/30/2010 20:00	21797	2_60	2010	273	2000	13.88	71.44	24.61	AQ	3.652	231.2	1919	13.1
9/30/2010 21:00	21798	2_60	2010	273	2100	14.62	68.5	24.62	AQ	2.97	242.7	2002	13.14
9/30/2010 22:00	21799	2_60	2010	273	2200	17.08	64.71	24.64	AQ	2.287	305.3	2122	13.19
9/30/2010 23:00	21800	2_60	2010	273	2300	18.35	63.46	24.65	AQ	1.98	167.1	2213	13.23
10/1/2010 0:00	21801	2_60	2010	274	0	21.79	60.51	24.65	AQ	1.809	72.47	2313	13.25