

**APPENDIX G. ATC MET DATA**



TD: Greg Shultz  
 Data Site: Phillips Airfield  
 Dates: 30 Sept - 20 Nov 1998

ATC MET DIVISION  
 Met Data

Date	DST Time(+ 1hr)	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHum	Avg Pres	Tot Precp
9/30/98	13:00	209	2.987	29	4.802	28.44	63	1008.512	0
9/30/98	13:15	208	3.225	40	5.351	28.54	63	1008.387	0
9/30/98	13:30	227	2.866	20	4.881	28.82	61	1008.503	0
9/30/98	13:45	221	3.269	21	7.644	27.01	61	1008.678	0
9/30/98	14:00	212	3.473	28	5.174	26.97	61	1008.281	0
9/30/98	14:15	188	3.36	19	4.841	27.01	61	1008.048	0
9/30/98	14:30	193	4.005	14	5.449	27.11	60	1008.218	0
9/30/98	14:45	204	3.582	10	4.998	27.11	60	1008.218	0
9/30/98	15:00	188	3.382	13	4.645	26.98	61	1008.142	0
9/30/98	15:15	203	3.402	11	4.806	27.07	60	1007.984	0
9/30/98	15:30	202	3.115	13	4.782	27.28	60	1007.907	0
9/30/98	15:45	202	3.858	9	5.253	27.28	60	1007.883	0
9/30/98	16:00	207	3.132	12	4.39	27.1	60	1007.648	0
10/1/98	11:00	295	6.688	23	12.74	28.97	47	1006.928	0
10/1/98	11:15	328	5.771	20	11.51	24.51	49	1007.298	0
10/1/98	11:30	326	5.504	21	10.64	24.45	50	1007.692	0
10/1/98	11:45	320	6.041	21	12.25	24.42	48	1007.7	0
10/1/98	12:00	313	6.526	21	10.37	24.14	45	1007.709	0
10/1/98	12:15	325	5.487	19	9.49	24.54	44	1007.738	0
10/1/98	12:30	324	5.594	22	11.62	24.26	44	1007.732	0
10/1/98	12:45	314	5.951	19	11.21	23.6	43	1007.875	0
10/1/98	13:00	325	5.32	22	10.43	23.7	42	1008.014	0
10/1/98	13:15	307	6.163	18	12.05	23.27	38	1008.051	0
10/1/98	13:30	308	4.132	24	7.722	23.81	34	1008.315	0
10/1/98	13:45	302	8.028	21	12.25	23.34	30	1008.81	0
10/1/98	14:00	302	5.303	23	11.72	23.2	31	1008.589	0
10/1/98	14:15	298	6.364	23	10.27	23.26	31	1008.698	0
10/1/98	14:30	323	4.744	27	9.53	23.23	33	1008.798	0
10/1/98	14:45	328	5.177	23	8.28	22.75	32	1008.888	0
10/1/98	15:00	318	4.733	25	8.41	22.68	30	1009.173	0
10/7/98	10:00	148	2.827	15	4.194	18.81	69	1027.506	0
10/7/98	10:15	147	2.801	16	4.628	17.13	68	1027.413	0
10/7/98	10:30	168	2.637	17	4.547	17.63	67	1027.298	0
10/7/98	10:45	173	3.041	17	4.704	18.03	65	1027.124	0
10/7/98	11:00	174	2.788	23	4.939	18.48	64	1026.871	0
10/7/98	11:15	148	2.77	20	4.763	19.18	63	1026.731	0
10/7/98	11:30	147	3.549	27	5.155	19.34	63	1026.478	0
10/7/98	11:45	142	3.24	19	5.312	18.4	62	1026.247	0
10/7/98	12:00	134	3.16	19	5.096	19.72	62	1026.887	0
10/7/98	12:15	129	2.818	26	4.469	19.89	62	1026.699	0
10/7/98	12:30	121	3.031	14	5.527	20.02	62	1026.486	0
10/7/98	12:45	121	3.399	12	5.331	19.94	62	1026.194	0
10/7/98	13:00	122	3.083	21	5.488	20.43	62	1025.01	0
10/7/98	13:15	129	3.053	24	4.724	20.22	62	1024.878	0
10/7/98	13:30	126	3.3	18	6.076	20.33	62	1024.748	0
10/7/98	13:45	121	3.162	15	4.39	20.14	62	1024.583	0
10/7/98	14:00	124	3.313	11	4.469	20.12	62	1024.466	0
10/7/98	14:15	122	3.39	10	4.938	19.8	62	1024.254	0
10/7/98	14:30	119	2.315	12	3.528	19.52	63	1024.107	0
10/7/98	14:45	174	1.887	59	2.803	19.42	63	1023.878	0
10/7/98	15:00	238	1.882	18	2.43	19.37	64	1023.82	0
10/7/98	15:15	247	1.958	14	2.901	19.32	66	1023.818	0
10/7/98	15:30	212	1.272	26	2.293	18.95	67	1023.52	0
10/7/98	15:45	175	1.194	17	1.725	18.93	68	1023.393	0

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Date	DST Time+ (hr)	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RH/Hum	Avg Press	Tot Precp
10/7/98	16:00	176	1.284	12	1.784	18.86	87	1023.256	0
10/8/98	08:00	143	1.298	18	2.332	19.49	85	1015.526	0
10/8/98	08:15	153	1.767	13	3.195	19.72	94	1015.329	0
10/8/98	08:30	167	2.1	11	3.254	19.98	92	1015.281	0
10/8/98	08:45	187	2.348	12	3.391	20.13	81	1015.078	0
10/8/98	08:00	170	2.78	12	4.724	20.3	91	1015.023	0.02
10/8/98	08:15	182	3.381	10	4.861	20.16	92	1014.839	0.06
10/8/98	08:30	177	3.127	10	4.861	19.9	94	1014.743	0.05
10/8/98	08:45	173	3.66	10	6.115	19.98	95	1014.555	0.05
10/8/98	10:00	186	3.791	10	6.808	20.08	95	1014.177	0.03
10/8/98	10:15	180	4.033	11	7.291	20.15	98	1013.926	0.05
10/8/98	10:30	188	3.892	12	6.825	20.25	98	1013.728	0.08
10/8/98	10:45	167	5.158	12	8.48	20.28	98	1013.571	0.13
10/8/98	11:00	180	6.041	19	9.51	20.41	95	1013.55	0.02
10/8/98	11:15	191	6.845	11	9.76	20.53	95	1013.595	0.02
10/8/98	11:30	199	7.402	10	11.88	20.83	98	1013.604	0.01
10/8/98	11:45	201	7.086	7	10	20.74	98	1013.54	0.01
10/8/98	12:00	204	7.753	7	11.47	20.77	96	1012.499	0
10/9/98	08:00	344	2.395	23	4.39	15.71	92	1014.369	0
10/9/98	08:15	350	1.941	28	3.861	15.79	92	1014.44	0
10/9/98	08:30	349	1.929	26	3.959	15.86	92	1014.482	0
10/9/98	08:45	2	2.09	24	3.92	15.87	92	1014.564	0
10/9/98	09:00	332	1.712	24	3.685	16.88	93	1014.591	0
10/9/98	09:15	329	2.255	23	4.92	16.86	94	1014.655	0
10/9/98	09:30	347	1.6	26	3.744	15.93	94	1014.607	0
10/9/98	09:45	344	1.824	27	3.214	16.02	95	1014.467	0.01
10/9/98	10:00	346	1.518	26	3.254	16.26	95	1014.478	0
10/9/98	10:15	2	1.713	26	3.45	16.28	96	1014.525	0
10/9/98	10:30	345	2.077	23	4.175	16.28	95	1014.584	0
10/9/98	10:45	338	2.116	19	3.802	16.3	95	1014.49	0
10/9/98	11:00	350	2.027	23	4.155	16.48	95	1014.369	0
10/9/98	11:15	348	1.827	21	3.626	16.65	95	1014.269	0
10/9/98	11:30	0	1.838	23	3.391	16.7	95	1014.21	0
10/9/98	11:45	349	1.751	23	3.038	16.73	95	1014.085	0
10/9/98	12:00	346	2.083	23	3.979	16.76	94	1013.834	0
10/9/98	12:15	348	2.21	21	3.822	16.75	94	1013.702	0
10/9/98	12:30	355	2.316	24	4.606	16.7	95	1013.833	0
10/9/98	12:45	342	2.269	20	4.884	16.78	95	1013.514	0
10/9/98	13:00	346	2.216	25	4.41	16.76	95	1013.332	0
10/9/98	13:15	344	2.848	22	5.253	16.67	95	1013.317	0
10/9/98	13:30	342	2.181	24	4.253	16.51	95	1013.353	0
10/9/98	13:45	330	1.817	22	3.606	16.49	95	1013.212	0
10/9/98	14:00	348	2.308	24	4.92	16.41	95	1013.033	0
10/9/98	14:15	351	1.781	22	4.743	16.44	95	1012.971	0
10/9/98	14:30	340	1.608	24	3.115	16.42	96	1012.933	0
10/9/98	14:45	338	1.521	25	2.92	16.43	98	1012.904	0
10/9/98	15:00	306	1.718	17	2.878	16.4	98	1012.87	0.03
10/13/98	12:00	217	3.878	16	6.468	19.93	86	1017.323	0
10/13/98	12:15	206	3.282	19	5.312	20.32	64	1017.095	0
10/13/98	12:30	215	3.881	18	5.841	20.29	63	1016.854	0
10/13/98	12:45	217	4.04	15	6.921	20.01	64	1016.526	0
10/13/98	13:00	234	3.538	11	6.076	19.5	66	1016.298	0
10/13/98	13:15	249	3.221	11	4.371	19.36	68	1016.06	0

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Date	DST Time(+ 1hr)	Avg WdDir	Avg WdSpd	Avg SPWAD	Peak WSpd	Avg ATemp	Avg RH/hum	Avg Press	Tot Precp
10/13/98	13:30	218	2.819	18	4.861	19.45	65	1016.84	0
10/13/98	13:45	228	2.938	16	4.488	19.37	66	1015.895	0
10/13/98	14:00	223	2.838	21	4.282	19.38	66	1015.39	0
10/13/98	14:15	210	3.499	13	4.859	19.71	66	1015.104	0
10/13/98	14:30	207	3.82	10	5.684	19.85	64	1014.961	0
10/13/98	14:45	187	3.587	15	5.194	20.3	63	1014.809	0
10/13/98	15:00	182	4.42	12	5.115	20.27	63	1014.591	0
10/13/98	15:15	208	3.871	16	6.037	20.45	63	1014.41	0
10/13/98	15:30	219	3.779	10	5.037	20.13	62	1014.273	0
10/13/98	15:45	215	3.102	8	4.332	19.74	63	1014.25	0
10/13/98	16:00	216	3.163	11	4.39	19.49	64	1014.195	0
10/14/98	11:00	275	4.778	15	8.11	17.48	46	1012.921	0
10/14/98	11:15	300	3.68	23	8.898	17.61	46	1012.923	0
10/14/98	11:30	276	3.931	28	8.703	17.84	46	1012.883	0
10/14/98	11:45	271	5.217	17	7.644	17.86	45	1012.94	0
10/14/98	12:00	263	4.981	19	7.742	17.77	45	1012.81	0
10/14/98	12:15	268	4.808	16	7.115	17.81	45	1012.776	0
10/14/98	12:30	283	4.067	15	7.458	18.13	44	1012.732	0
10/14/98	12:45	287	3.853	29	7.134	18.18	44	1012.611	0
10/14/98	13:00	270	4.142	18	7.84	18.21	44	1012.45	0
10/14/98	13:15	279	4.552	28	7.507	18.19	45	1012.36	0
10/14/98	13:30	268	4.858	11	7.86	18.43	44	1012.308	0
10/14/98	13:45	288	3.871	31	7.33	18.62	44	1012.33	0
10/14/98	14:00	294	3.187	21	6.782	17.98	44	1012.305	0
10/14/98	14:15	290	3.605	19	6.84	18.27	44	1012.254	0
10/14/98	14:30	299	4.069	23	8.04	18.49	44	1012.306	0
10/14/98	14:45	309	3.686	26	7.017	18.37	44	1012.427	0
10/14/98	15:00	312	3.28	20	5.821	18.36	44	1012.543	0
10/14/98	15:15	293	3.818	22	6.586	18.26	43	1012.518	0
10/14/98	15:30	298	3.437	22	8.15	18.1	43	1012.764	0
10/14/98	15:45	281	3.772	19	7.683	18.12	44	1012.949	0
10/14/98	16:00	288	3.68	18	5.86	17.83	44	1013.139	0
10/14/98	16:15	291	3.316	19	5.88	17.67	44	1013.298	0
10/14/98	16:30	288	3.543	16	7.448	17.38	44	1013.488	0
10/14/98	16:45	289	3.261	16	6.88	18.99	44	1013.679	0
10/14/98	17:00	290	2.82	17	6.723	16.53	44	1013.978	0
10/15/98	09:00	262	3.69	14	5.88	13.32	64	1022.168	0
10/15/98	09:15	263	3.321	16	4.763	14.08	63	1022.096	0
10/15/98	09:30	268	3.601	11	5.864	13.97	63	1022.167	0
10/15/98	09:45	284	3.451	18	5.508	14.08	62	1022.227	0
10/15/98	10:00	284	2.948	21	5.135	14.47	61	1022.289	0
10/15/98	10:15	280	3.616	20	6.987	15.49	69	1022.339	0
10/15/98	10:30	290	3.049	27	5.488	15.77	68	1022.351	0
10/15/98	10:45	300	2.948	19	5.968	15.67	67	1022.293	0
10/15/98	11:00	293	2.656	23	4.528	15.8	67	1022.246	0
10/15/98	11:15	315	2.273	27	4.822	16.38	65	1022.231	0
10/15/98	11:30	301	2.9	30	5.037	16.8	62	1022.263	0
10/15/98	11:45	303	3.027	31	8.06	17.25	62	1022.182	0
10/15/98	12:00	322	2.916	29	6.263	17.46	49	1022.088	0
10/15/98	12:15	311	3.394	29	6.233	17.56	48	1021.897	0
10/15/98	12:30	339	2.854	35	7.193	17.56	48	1021.727	0
10/15/98	12:45	292	3.7	25	8.02	17.46	49	1021.682	0
10/15/98	13:00	316	3.233	27	6.899	17.39	48	1021.577	0
10/15/98	13:15	285	2.283	39	4.489	17.58	49	1021.452	0

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Date	DST Time(+ 1hr)	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHum	Avg Press	Tot Precp
10/15/98	13:30	338	2.343	29	4.647	17.32	48	1021.379	0
10/15/98	13:45	359	2.07	23	4.194	17.29	48	1021.442	0
10/15/98	14:00	333	2.089	26	4.116	17.36	48	1021.53	0
10/15/98	14:15	335	2.27	19	4.214	17.44	47	1021.618	0
10/15/98	14:30	331	1.984	21	3.724	17.6	47	1021.661	0
10/15/98	14:45	300	1.746	31	3.332	18.17	47	1021.647	0
10/15/98	15:00	348	1.878	27	3.234	18.27	46	1021.711	0
10/15/98	15:15	333	1.752	24	3.763	18.69	46	1021.836	0
10/15/98	15:30	316	1.87	30	3.175	18.75	45	1021.904	0
10/15/98	15:45	310	1.923	19	2.609	18.26	46	1021.944	0
10/15/98	16:00	298	1.244	31	3.018	18.8	46	1022.003	0
10/19/98	08:00	278	1.013	16	1.568	15.98	88	1017.475	0
10/19/98	08:15	266	1.064	21	1.803	17.22	80	1017.786	0
10/19/98	08:30	208	1.101	16	1.784	18.51	72	1017.806	0
10/19/98	08:45	208	2.198	14	3.166	18.98	70	1017.86	0
10/19/98	09:00	315	1.256	59	4.038	19.8	68	1017.802	0
10/19/98	09:15	322	2.814	23	5.821	20.72	64	1017.819	0
10/19/98	09:30	334	3.918	18	6.821	21.24	62	1017.857	0
10/19/98	09:45	336	2.817	22	6.884	21.56	61	1018.119	0
10/19/98	10:00	323	3.051	23	6.253	20.86	61	1018.053	0
10/19/98	10:15	328	3.431	19	6.88	20.84	61	1018.081	0
10/19/98	10:30	315	3.286	21	7.213	21.57	60	1018.055	0
10/19/98	10:45	326	3.151	20	6.958	21.53	60	1018.208	0
10/19/98	11:00	302	2.816	23	6.645	21.32	60	1018.279	0
10/19/98	11:15	294	3.248	24	6.017	21.49	69	1018.188	0
10/19/98	11:30	314	2.987	24	6.174	21.08	69	1018.036	0
10/19/98	11:45	306	3.175	23	6.409	20.77	67	1018.046	0
10/19/98	12:00	301	2.828	22	4.488	20.63	66	1017.846	0
10/20/98	09:00	270	3.053	12	4.645	15.88	63	1019.579	0
10/20/98	09:15	287	2.484	22	4.743	16.65	61	1019.55	0
10/20/98	09:30	311	3.341	26	6.331	17.28	64	1019.687	0
10/20/98	09:45	308	3.121	23	6.782	17.5	60	1019.612	0
10/20/98	10:00	307	2.572	28	4.782	17.94	49	1019.548	0
10/20/98	10:15	303	4.107	19	7.154	18.17	46	1019.325	0
10/20/98	10:30	306	3.642	21	7.036	18.21	45	1019.145	0
10/20/98	10:45	287	4.526	20	7.624	18.4	46	1019.077	0
10/20/98	11:00	290	4.543	21	7.958	18.46	44	1019.031	0
10/20/98	11:15	288	3.887	19	8.017	18.78	44	1018.834	0
10/20/98	11:30	313	3.851	22	7.389	19.1	42	1018.651	0
10/20/98	11:45	310	4.4	21	8.08	19.15	38	1018.41	0
10/20/98	12:00	308	3.767	23	7.389	19.29	34	1018.151	0
10/20/98	12:15	296	3.849	23	7.33	19.63	33	1017.913	0
10/20/98	12:30	295	3.485	33	7.958	19.83	33	1017.712	0
10/20/98	12:45	298	4.841	21	9.13	19.84	28	1017.512	0
10/20/98	13:00	292	4.488	21	8.13	19.74	28	1017.234	0
10/20/98	13:15	298	4.26	19	6.488	19.96	28	1017.126	0
10/20/98	13:30	286	4.338	23	9.37	20.13	27	1017.047	0
10/20/98	13:45	284	4.789	17	9.74	20.05	28	1016.814	0
10/20/98	14:00	286	4.346	23	8.37	20.2	28	1016.783	0
10/21/98	08:00	263	1.868	7	3.175	9.49	74	1019.486	0
10/21/98	08:15	271	3.113	11	6.449	10	68	1019.719	0
10/21/98	08:30	276	3.812	11	6.058	10.8	65	1019.613	0
10/21/98	08:45	279	3.419	11	5.568	10.88	64	1019.709	0

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ATC MET DIVISION  
 Met Data

Date	DST Time(+ Thr)	Avg WdDr	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHum	Avg Press	Tot Precp
10/21/98	09:00	275	2.982	12	4.82	10.99	64	1019.527	0
10/21/98	09:15	279	3.477	12	5.704	11.25	64	1019.276	0
10/21/98	09:30	275	3.488	13	5.86	11.48	64	1019.263	0
10/21/98	09:45	278	4.464	12	7.37	11.74	63	1019.263	0
10/21/98	10:00	274	5.465	13	9.82	12.05	62	1019.216	0
10/21/98	10:15	277	5.52	12	9.04	12.5	60	1019.04	0
10/21/98	10:30	280	4.259	19	8.33	12.83	58	1019.002	0
10/21/98	10:45	283	5.446	16	9.88	13.37	55	1018.958	0
10/21/98	11:00	275	5.945	13	8.64	13.71	52	1018.718	0
10/21/98	11:15	286	5.103	18	8.57	14.18	50	1018.65	0
10/21/98	11:30	286	4.928	19	7.683	14.76	47	1018.446	0
10/21/98	11:45	276	5.821	18	9.52	14.98	48	1018.052	0
10/21/98	12:00	288	4.449	24	9.92	14.97	45	1017.562	0
10/21/98	12:15	286	4.226	22	7.525	15.28	44	1017.138	0
10/21/98	12:30	303	4.141	25	7.703	15.23	44	1017.181	0
10/21/98	12:45	301	5.206	25	6.35	16.27	44	1016.914	0
10/21/98	13:00	279	5.987	22	8.45	15.58	43	1016.806	0
10/21/98	13:15	278	5.458	16	9.7	15.47	43	1016.348	0
10/21/98	13:30	297	3.618	26	7.977	15.81	42	1016.152	0
10/21/98	13:45	273	5.411	19	8.94	16.4	42	1016.053	0
10/21/98	14:00	279	5.114	17	9.84	16.41	40	1016.952	0
10/22/98	13:00	3	3.788	25	8.94	11.3	44	1023.427	0
10/22/98	13:15	344	4.178	22	7.899	11.02	44	1023.342	0
10/22/98	13:30	345	4.08	22	9.27	10.89	44	1023.462	0
10/22/98	13:45	347	3.842	18	7.84	10.82	44	1023.473	0
10/22/98	14:00	338	3.916	24	7.887	10.75	45	1023.518	0
10/22/98	14:15	340	3.687	24	6.41	10.89	45	1023.512	0
10/22/98	14:30	339	3.979	25	8.37	10.64	45	1023.614	0
10/22/98	14:45	338	4.711	18	9.37	10.43	45	1023.549	0
10/22/98	15:00	346	3.293	23	6.194	10.48	45	1023.548	0
10/22/98	15:15	340	3.879	20	8.25	10.36	45	1023.717	0
10/22/98	15:30	344	4.307	23	8.86	10.23	46	1023.871	0
10/22/98	15:45	336	4.246	23	8.7	10.82	46	1024.005	0
10/22/98	16:00	327	4.421	22	8.13	10.59	45	1024.105	0
10/23/98	08:00	258	2.3	9	3.371	8.491	70	1029.199	0
10/23/98	08:15	248	1.715	15	2.852	7.874	68	1029.262	0
10/23/98	08:30	258	2.624	14	4.43	8.67	66	1029.216	0
10/23/98	08:45	292	2.88	13	3.861	8.41	65	1029.087	0
10/23/98	09:00	275	2.947	18	5.39	10.36	64	1029.027	0
10/23/98	09:15	291	2.572	23	4.851	11.18	62	1028.919	0
10/23/98	09:30	285	2.988	26	5.292	11.85	60	1028.801	0
10/23/98	09:45	307	3.281	26	6.86	12.31	57	1028.658	0
10/23/98	10:00	304	3.664	26	8.27	12.88	53	1028.482	0
10/23/98	10:15	310	3.657	29	7.409	12.89	52	1028.264	0
10/23/98	10:30	316	2.773	36	6.115	13.24	51	1028.038	0
10/23/98	10:45	328	4.228	19	8.19	13.59	48	1027.78	0
10/23/98	11:00	323	3.921	24	7.89	13.94	47	1027.641	0
10/23/98	11:15	316	3.472	23	6.527	14.18	47	1027.538	0
10/23/98	11:30	330	3.886	27	8.21	14.44	46	1027.45	0
10/23/98	11:45	338	3.593	20	8.39	14.65	45	1027.257	0
10/23/98	12:00	297	4.15	24	7.426	14.82	45	1027.072	0
10/23/98	12:15	308	3.101	37	8.38	15.25	44	1026.879	0
10/23/98	12:30	297	3.823	25	6.762	16.35	44	1026.613	0
10/23/98	12:45	275	4.281	20	7.805	15.47	44	1026.418	0

TD: Greg Shultz

ATC MET DIVISION

Data Site: Phillips Airfield

Met Data

Dates: 30 Sept - 20 Nov 1998

Date	DST Time(+ 1hr)	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHum	Avg Press	Tot Precp
10/23/98	13:00	280	4.319	28	7.37	16.61	44	1026.295	0
10/23/98	13:15	270	3.892	22	5.919	16.26	43	1026.129	0
10/23/98	13:30	289	4.324	14	6.648	16.92	43	1025.819	0
10/23/98	13:45	273	3.181	18	6.292	16.15	42	1026.576	0
10/23/98	14:00	278	3.298	19	5.253	16.55	41	1025.477	0
10/23/98	14:15	259	3.827	15	7.703	16.68	41	1025.384	0
10/23/98	14:30	264	3.712	23	6.821	16.71	40	1025.302	0
10/23/98	14:45	282	3.988	18	6.919	16.82	41	1025.174	0
10/23/98	15:00	271	4.023	16	7.134	16.92	39	1026.13	0
10/23/98	16:16	267	3.725	19	5.429	17.13	40	1026.102	0
10/23/98	15:30	268	4.35	19	7.095	16.87	40	1026.051	0
10/23/98	15:45	266	4.491	14	6.723	16.79	40	1025.111	0
10/23/98	16:00	252	4.019	12	6.213	16.69	39	1025.063	0
10/23/98	16:15	256	3.694	10	5.036	16.4	41	1025.019	0
10/23/98	16:30	266	4.007	10	5.802	16.09	41	1024.884	0
10/23/98	16:45	284	3.151	8	4.88	16.68	41	1024.894	0
10/23/98	17:00	263	2.628	7	3.626	14.89	43	1024.812	0
10/23/98	17:15	281	2.218	7	3.097	13.76	44	1024.861	0
10/23/98	17:30	247	2.059	8	2.45	12.72	46	1024.866	0
10/23/98	17:45	243	1.985	4	2.47	12.16	47	1024.816	0
10/23/98	18:00	244	2.069	5	2.548	11.68	48	1024.771	0
BEGIN									
Date	EST Time	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHum	Avg Press	Tot Precp
10/30/98	05:00	253	1.502	10	2.234	8.433	90	1015.438	0
10/30/98	05:15	265	1.952	11	3.038	7.794	74	1015.358	0
10/30/98	05:30	282	1.324	16	2.058	9.07	68	1015.279	0
10/30/98	05:45	282	1.553	12	2.489	10.4	66	1015.165	0
10/30/98	06:00	273	2.123	13	3.038	11.46	63	1015.084	0
10/30/98	06:15	273	2.516	18	3.881	12.13	69	1014.88	0
10/30/98	06:30	291	2.413	24	3.822	12.8	63	1014.629	0
10/30/98	06:45	313	2.767	28	4.959	13.26	49	1014.24	0
10/30/98	10:00	326	3.566	24	6.429	13.51	46	1014.048	0
10/30/98	10:15	317	4.011	20	7.232	13.75	46	1013.774	0
10/30/98	10:30	310	3.621	27	8.544	14.23	45	1013.405	0
10/30/98	10:45	311	2.823	24	5.429	14.85	45	1013.268	0
10/30/98	11:00	300	3.057	29	5.449	15.15	46	1013.062	0
10/30/98	11:15	318	2.701	38	6.805	15.66	44	1012.741	0
10/30/98	11:30	303	3.188	28	5.018	15.89	43	1012.382	0
10/30/98	11:45	316	3.149	25	5.488	16.23	43	1011.898	0
10/30/98	12:00	319	3.18	27	5.743	16.64	41	1011.756	0
10/30/98	12:15	317	4.336	23	7.017	16.89	39	1011.396	0
10/30/98	12:30	314	3.716	22	6.997	17.01	38	1011.017	0
10/30/98	12:45	312	3.73	20	6.017	17.42	37	1010.748	0
10/30/98	13:00	306	3.863	23	7.997	17.38	36	1010.586	0
10/30/98	13:15	286	5.045	20	8.25	17.3	36	1010.29	0
10/30/98	13:30	294	4.03	24	8.8	17.6	36	1010.014	0
10/30/98	13:45	289	4.952	16	9	17.04	34	1009.776	0
10/30/98	14:00	298	3.964	18	7.409	17.53	34	1009.481	0
10/30/98	14:16	287	4.603	20	8.27	17.98	33	1009.257	0
10/30/98	14:30	281	5.621	12	8.15	17.9	32	1009.172	0
10/30/98	14:45	278	5.456	10	7.818	17.93	32	1009.045	0
10/30/98	15:00	284	4.23	16	6.819	18.16	32	1008.98	0
10/30/98	15:15	287	3.782	15	6.213	18.49	31	1008.863	0
10/30/98	15:30	287	3.283	21	5.704	18.89	30	1008.771	0



TD: Greg Shultz  
 Date Site: Phillips Airfield  
 Dates: 30 Sept - 20 Nov 1998

ATC MET DIVISION  
 Met Data

Date	EST Time	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHHum	Avg Press	Tot Precip
10/30/98	15:45	298	3.608	18	6.664	18.7	28	1008.677	0
10/30/98	16:00	318	3.472	20	7.095	18.62	27	1008.608	0
10/30/98	16:15	327	2.941	17	3.086	18.36	28	1008.631	0
10/30/98	16:30	320	2.427	20	3.94	18.17	28	1008.645	0
10/30/98	18:45	313	2.26	17	4.39	17.74	29	1008.888	0
10/30/98	17:00	313	1.808	15	3.018	17.02	30	1008.766	0
10/30/98	17:15	300	1.54	13	2.842	16.76	32	1008.796	0
10/30/98	17:30	311	1.858	13	2.999	14.85	33	1008.758	0
10/30/98	17:45	314	1.776	9	2.411	14.38	34	1008.881	0
10/30/98	18:00	312	1.86	10	2.783	14.1	35	1008.987	0
11/2/98	09:00	317	2.436	31	4.822	11.38	53	1017.19	0
11/2/98	09:15	320	2.561	19	4.978	11.4	52	1017.135	0
11/2/98	09:30	316	2.469	24	6.017	11.88	51	1017.053	0
11/2/98	09:45	312	3.597	24	6.409	12.06	49	1017.015	0
11/2/98	10:00	337	2.464	27	6.076	12.27	49	1016.844	0
11/2/98	10:15	315	2.743	33	5.606	12.96	48	1016.717	0
11/2/98	10:30	333	2.536	30	5.978	13.37	47	1016.598	0
11/2/98	10:45	329	2.988	21	5.888	13.09	48	1016.385	0
11/2/98	11:00	345	3.094	18	4.88	13.04	48	1016.014	0
11/2/98	11:15	334	3.101	21	6.627	13.41	46	1016.011	0
11/2/98	11:30	335	2.792	24	6.806	13.79	46	1015.729	0
11/2/98	11:45	331	2.587	28	4.822	14.14	46	1015.597	0
11/2/98	12:00	335	2.774	29	5.214	14.51	44	1015.189	0
11/3/98	09:00	18	2.911	16	5.802	6.862	54	1016.313	0
11/3/98	09:15	6	2.883	19	5.527	6.271	53	1016.167	0
11/3/98	09:30	8	3.317	18	6.782	6.732	52	1016.008	0
11/3/98	09:45	23	2.924	20	6.627	7.185	51	1016.148	0
11/3/98	10:00	17	3.149	22	5.39	7.759	49	1016.881	0
11/3/98	10:15	36	4.02	22	7.017	7.686	49	1015.58	0
11/3/98	10:30	26	2.882	19	5.214	7.402	49	1015.889	0
11/3/98	10:45	41	3.821	16	4.978	7.322	49	1015.802	0
11/3/98	11:00	21	3.202	14	5.214	7.119	49	1015.832	0
11/3/98	11:15	26	2.803	18	4.92	7.077	50	1015.591	0
11/3/98	11:30	19	2.246	21	4.29	6.918	50	1015.282	0
11/3/98	11:45	36	2.188	14	4.371	6.793	50	1015.051	0
11/3/98	12:00	353	1.749	26	3.528	7.324	50	1014.939	0
11/3/98	12:15	16	1.907	36	3.46	8.21	49	1014.853	0
11/3/98	12:30	29	1.426	41	3.016	8.41	48	1014.911	0
11/3/98	12:45	49	1.708	68	3.881	9.14	48	1014.625	0
11/3/98	13:00	360	1.701	33	3.41	8.88	47	1014.411	0
11/3/98	13:15	24	1.235	47	2.942	8.38	48	1014.084	0
11/3/98	13:30	21	1.882	32	3.885	8.33	47	1013.985	0
11/3/98	13:45	338	1.44	52	2.568	8.47	47	1013.896	0
11/3/98	14:00	16	1.327	31	2.842	8.81	47	1013.641	0
11/3/98	14:15	92	0.885	37	2.98	9.06	47	1013.42	0
11/3/98	14:30	282	1.048	69	2.846	9.32	47	1013.241	0
11/3/98	14:45	313	1.144	43	2.528	9.29	47	1013.105	0
11/3/98	15:00	339	1.42	44	3.058	9.63	48	1012.987	0
11/3/98	15:15	297	0.884	26	1.803	9.8	46	1013.003	0
11/3/98	15:30	339	1.007	32	1.665	10.24	46	1012.837	0
11/3/98	15:45	340	0.497	30	0.98	9.45	46	1012.816	0
11/3/98	16:00	268	1.096	12	1.809	8.72	47	1012.703	0
11/6/98	08:00	364	0.87	18	1.588	3.64	69	1015.883	0

TO: Greg Shultz  
 Data Site: Phillips Airfield  
 Dates: 30 Sept - 20 Nov 1998

ATC MET DIVISION  
 Met Data

Date	EST Time	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHHum	Avg Press	Tot Precp
11/18/98	11:45	1	2.72	21	6.608	9.88	47	1028.772	0
11/18/98	12:00	345	2.78	28	5.174	10.35	48	1028.627	0
11/18/98	12:15	3	2.515	33	4.939	10.67	45	1028.338	0
11/18/98	12:30	340	2.527	41	4.66	11	46	1028.134	0
11/18/98	12:45	337	2.502	34	5.41	11.02	45	1028.033	0
11/18/98	13:00	3	2.54	35	4.645	11.51	45	1027.914	0
11/18/98	13:15	324	3.573	20	6.272	11.22	44	1027.808	0
11/18/98	13:30	1	2.848	20	4.861	11.24	44	1027.715	0
11/18/98	13:45	10	2.838	20	4.92	11.29	44	1027.52	0
11/18/98	14:00	343	2.217	27	4.351	11.59	43	1027.237	0
11/18/98	14:15	336	1.699	50	4.018	11.84	42	1027.173	0
11/18/98	14:30	23	2.226	34	4.488	12.3	42	1027.09	0
11/18/98	14:45	28	1.498	78	4.234	12.15	41	1027.068	0
11/18/98	15:00	40	1.779	20	2.706	12.3	41	1027.066	0
11/18/98	15:15	23	2.272	42	3.9	12.23	41	1027.046	0
11/18/98	15:30	352	2.099	25	3.528	11.84	41	1027.158	0
11/18/98	15:45	15	1.813	23	2.764	11.72	41	1027.251	0
11/18/98	16:00	31	2.011	13	3.234	11.88	40	1027.294	0
11/20/98	08:00	35	0.225	54	0.51	8.61	100	1012.852	0
11/20/98	08:15	29	0.483	8	0.823	8	99	1012.731	0
11/20/98	08:30	20	0.493	17	0.784	10.41	99	1012.701	0
11/20/98	08:45	30	0.6	11	0.902	11.67	99	1012.402	0
11/20/98	09:00	21	0.873	14	1.313	12.47	99	1012.253	0
11/20/98	09:15	48	0.704	28	1.352	12.85	99	1012.204	0
11/20/98	09:30	103	1.079	20	2.156	13.57	99	1011.91	0
11/20/98	09:45	148	1.558	17	2.47	13.8	98	1011.802	0
11/20/98	10:00	180	1.824	17	2.862	14.38	97	1011.594	0
11/20/98	10:15	177	2.184	17	3.628	14.74	94	1011.513	0
11/20/98	10:30	207	3.801	11	6.263	15.41	87	1011.38	0
11/20/98	10:45	198	4.096	13	8.017	16.16	83	1011.302	0
11/20/98	11:00	213	4.397	17	8.115	16.61	78	1011.123	0
11/20/98	11:15	206	4.411	12	6.88	16.62	78	1010.72	0
11/20/98	11:30	189	3.981	10	8.39	16.89	78	1010.226	0
11/20/98	11:45	197	3.848	15	6.41	17.05	76	1009.712	0
11/20/98	12:00	207	3.829	12	5.272	18.56	77	1009.588	0
11/20/98	12:15	186	4.15	9	5.845	18.58	78	1009.118	0
11/20/98	12:30	198	4.392	13	5.808	18.42	78	1008.965	0
11/20/98	12:45	214	3.583	13	5.253	16.14	77	1008.98	0
11/20/98	13:00	202	4.018	10	5.312	16.23	77	1008.641	0
11/20/98	13:15	214	3.3	9	4.351	16.16	77	1008.472	0
11/20/98	13:30	215	3.083	11	4.822	16.27	76	1008.22	0
11/20/98	13:45	218	2.711	12	4.118	16.37	75	1007.779	0
11/20/98	14:00	232	1.944	15	3.136	16.48	75	1007.638	0
11/20/98	14:15	243	1.821	14	3.058	16.88	75	1007.548	0
11/20/98	14:30	265	2.494	12	3.528	16.79	75	1007.552	0
11/20/98	14:45	268	2.53	12	3.626	16.67	76	1007.632	0
11/20/98	15:00	266	2.35	16	3.783	16.64	75	1007.543	0
11/20/98	15:15	273	2.031	11	3.077	16.55	76	1007.708	0
11/20/98	15:30	257	1.608	10	2.097	16.44	77	1007.632	0
11/20/98	15:45	260	1.038	18	1.546	16.36	78	1007.328	0
11/20/98	16:00	322	1.81	17	3.528	16.09	80	1007.578	0
Date	Time	Avg WdDir	Avg WdSpd	Avg SDWdD	Peak WSpd	Avg ATemp	Avg RHHum	Avg Press	Tot Precp
MM/DD/YY	HH:MM	Degree	M/S	Degree	M/S	Celsius	%	Millibars	Inches

*Greg Schultz, fax 3-7700*

## Aberdeen Meteorological Network

DCP7	Latitude: 39.45	Longitude: 76.17	Elevation: 16.8 M	Phillips Air Field									
Time(EST) -1 hr (EDT)	Wind Direct (°)	Wind Speed (Mph)	Std Dev WB (°)	Peak Wind Speed (Mph)	Air Temp (°F)	Max Air Temp (°F)	Min Air Temp (°F)	Rel Humid (%)	Solar Rad W/m <sup>2</sup>	Soil T/Wet Bath (°F)	Total Precip (Inch)	Press (Inch)	Batt Voltage (VDC)

Thursday, November 12, 1998

08:30	252	5.5	9	7.9	44.8	45.4	44.1	56	271.8		0.00		14.4
08:45	262	4.6	10	6.8	45.9	46.7	45.3	58	315.1		0.00		14.4
09:00	290	5.8	19	9.8	47.6	48.5	46.7	51	358.1		0.00		14.3
09:15	289	7.4	19	12.8	49.0	49.2	48.5	47	396.9		0.00		14.3
09:30	284	8.5	15	12.4	49.4	49.7	49.2	46	431.6		0.00		14.3
09:45	283	8.7	13	12.0	49.7	50.0	49.5	46	462.4		0.00		14.3
10:00	296	7.7	19	12.7	50.4	50.9	49.9	45	492.3		0.00		14.3
10:15	282	8.6	15	12.7	50.9	51.3	50.8	45	521.0		0.00		14.3
10:30	296	7.2	23	12.1	51.6	52.0	51.3	45	544.0		0.00		14.3
10:45	306	7.8	19	14.2	51.9	52.1	51.7	44	562.7		0.00		14.3
11:00	313	6.9	26	12.9	52.7	53.0	52.0	43	575.0		0.00		14.2
11:15	318	8.3	23	14.5	52.8	53.1	52.5	42	591.4		0.00		14.2
11:30	290	6.6	25	15.1	53.4	53.9	52.9	42	597.6		0.00		14.2
11:45	304	6.9	28	15.3	54.0	54.8	53.7	41	592.5		0.00		14.2
12:00	297	7.6	28	14.3	55.0	55.2	54.7	40	571.2		0.00		14.2
12:15	318	7.2	26	12.2	55.0	55.3	54.8	37	577.4		0.00		14.2
12:30	270	5.7	21	10.7	55.5	56.3	55.2	36	584.0		0.00		14.2
12:45	310	6.6	25	12.6	56.3	56.7	56.1	34	561.9		0.00		14.2
13:00	300	6.7	30	16.6	56.7	57.0	56.4	31	548.2		0.00		14.2
13:15	308	6.1	32	13.4	57.1	57.5	56.6	29	529.5		0.00		14.2
13:30	282	7.1	23	12.7	56.8	57.1	56.6	29	508.5		0.00		14.2
13:45	397	5.2	43	10.0	57.0	57.5	56.7	29	479.0		0.00		14.2
14:00	266	7.4	20	11.3	56.9	57.1	56.8	29	444.3		0.00		14.2
14:15	274	6.4	19	10.9	57.3	57.6	56.9	28	409.7		0.00		14.2
14:30	258	5.2	31	10.5	57.3	57.7	57.2	28	374.3		0.00		14.2
14:45	303	5.9	35	12.6	57.8	58.0	57.6	27	336.6		0.00		14.2
15:00	272	5.3	22	10.7	57.8	58.3	57.6	26	293.5		0.00		14.2
15:15	292	2.4	47	5.3	59.1	59.6	58.3	25	253.3		0.00		14.2
15:30	270	5.2	17	9.7	58.9	59.8	58.2	25	214.4		0.00		14.3
15:45	272	5.5	19	10.4	57.8	58.3	57.5	25	171.6		0.00		14.2
16:00	289	4.8	15	8.3	57.5	57.6	57.4	25	128.3		0.00		14.2
16:15	283	3.8	17	7.7	56.9	57.4	56.6	24	84.3		0.00		14.2
16:30	273	3.0	13	5.3	56.2	56.7	55.6	25			0.00		14.2
<b>Average</b>		6.3		11.4	54.2	54.6	53.8	36	430.7				14.2
<b>Maximum</b>		8.7		16.6	59.1	59.8	58.3	58	597.6				14.4
<b>Minimum</b>		2.4		5.3	44.8	45.4	44.1	24	84.3				14.2
<b>Total</b>											0.00		