

AFSRC Forest Open Site Raleigh County, WV
37°46' latitude; 81°7' longitude, 765 m (2510 ft) elevation

Day	Date	Total Precip (in.)	Ave Temp (°C)	Max Temp (°C)	Min Temp (°C)	Max RH (%)	Min RH (%)	Ave PAR (μmol/s/m2)	Max PAR (μmol/s/m2)	Total PAR Flux (mmol/m2)	Ave Solar Radiation (W/M2)	Max Solar Radiation (W/M2)	Total Solar Radiation (MJ)	Ave Wind (MPH)	Max Wind (MPH)	Min Wind (MPH)	Ave Soil 1 Temp @3" (°C)	Max Soil 1 Temp @3" (°C)	Min Soil 1 Temp @3" (°C)	Ave Soil Moist@3" (%)	Max Soil Moist@3" (%)	Min Soil Moist@3" (%)	Total DETo (mm)	Ave Surface (°C)	Max Surface (°C)	Min Surface (°C)	Ave UVB (mW/m2)	Max UVB (mW/m2)
61	3/1/2008	0.02	2.505	7.54	-1.636	97.5	33.47	353.45	1503.5	30535.5	185.6	794	16.039	4.435	13.52	0	4.0585	5.787	2.861	0.35	0.3635	0.3425	1.63	2.887	12.68	-2.491	152.8	794
62	3/2/2008	0	7.34	18.49	-3.321	90.6	22.86	359.2	1498.5	31037.5	181.2	768	15.654	2.026	11.14	0	4.89475	7.48375	2.7555	0.3395	0.343	0.3365	2.277	7.29	23.64	-3.675	212.6	1062
63	3/3/2008	0	12.41	20.54	4.929	64.11	22.88	383.25	1480	33110	197.8	775	17.09	2.862	10.54	0	6.56575	9.0575	4.42475	0.3335	0.3365	0.329	2.848	11.45	25.15	1.734	206.2	1010
64	3/4/2008	1.95	12.72	15	4.443	97.9	61.93	54.215	835	4683.85	24.55	432.3	2.1215	2.984	16.8	0	7.9175	9.0225	7.09575	0.3485	0.366	0.3285	0.26	11.58	14.95	4.282	28.54	175.7
65	3/5/2008	0.03	0.181	4.509	-1.375	97	82	69.08	401.65	5968.4	33.2	201.9	2.8688	3.973	14.12	0	6.178	8.5375	5.15925	0.354	0.365	0.348	0.283	0.986	4.721	-0.751	51.36	383.4
66	3/6/2008	0	4.7	14.34	-3.222	98.4	27.48	391.85	1647.5	33857	201.6	857	17.422	1.993	8.93	0	6.0155	8.7725	3.898	0.344	0.348	0.34	2.196	5.841	19.95	-3.226	217.3	1101
67	3/7/2008	0.19	7.04	8.18	5.445	97.1	71	68.35	531.4	5905.5	31.8	265.3	2.7475	3.321	10.36	0	6.274	6.96075	5.5785	0.3445	0.351	0.3395	0.3	6.591	9.62	3.476	46.75	479.1
68	3/8/2008	0.01	-0.883	10.11	-8.17	100	80.8	100.1	999.5	8650.95	49.05	515	4.2375	5.217	17.28	0	5.97475	6.90825	4.89775	0.3465	0.3475	0.345	0.257	-0.395	9.37	-9.02	54.27	549.7
69	3/9/2008	0.04	-3.501	4.368	-9.89	86.4	41.24	446.6	1570.5	38585	235.1	827	20.316	3.254	9.47	0	5.46175	7.304	4.54675	0.3465	0.349	0.345	1.64	-1.513	12.1	-12.11	237.6	1102
70	3/10/2008	0.15	3.535	12.12	-3.88	98.4	35.17	354	2110.5	30584	183.5	1115	15.852	2.452	10.66	0	5.61475	7.955	3.64375	0.343	0.3475	0.339	1.993	4.614	19.2	-3.805	188.8	1103
71	3/11/2008	0	2.711	7.73	-0.768	99.5	37.59	316.3	1676	27327	170.7	893	14.747	2.19	8.81	0	6.16025	7.79	4.786	0.344	0.347	0.341	1.662	3.697	15.29	-1.592	163.3	1011
72	3/12/2008	0	5.038	12.85	-0.522	76.2	27.53	452	1592	39052	241.5	841	20.869	3.311	11.26	0	6.26375	8.995	4.239	0.3375	0.341	0.333	2.598	5.862	19.54	-1.804	222.8	1047
73	3/13/2008	0	11.8	20.73	1.932	74.4	26.8	374.45	1703	32354	194.7	881	16.818	3.433	14.78	0	7.38	9.8325	5.1375	0.33	0.333	0.3255	3.044	10.7	25.24	0.16	220.9	1138
74	3/14/2008	0.34	10.13	17.1	6.214	97.5	32.46	195.9	1385.5	16926	99.3	718	8.58	2.778	11.14	0	7.96	8.945	6.586	0.329	0.3445	0.323	1.448	9.4	22.36	3.425	110.9	827
75	3/15/2008	0.57	5.278	10.48	1.144	99.4	47.36	205.95	1368	17795	107.2	710	9.2657	2.59	10.36	0	7.7725	8.84	6.5965	0.351	0.367	0.342	1.081	5.96	15.71	0.141	127.2	957
76	3/16/2008	0.02	3.019	7.83	-1.637	98.9	48.66	311.2	2046.5	26888	164.5	1099	14.212	3.067	9.23	0	7.54	9.3525	6.39475	0.351	0.364	0.344	1.503	4.409	16.71	-2.023	231.3	1446
77	3/17/2008	0	4.104	11.76	-4.846	96.1	19.67	340.9	1631.5	29452.5	178.3	900	15.402	3.519	13.17	0	6.47575	8.1525	4.66825	0.341	0.3445	0.337	2.131	4.705	18.95	-4.758	230.9	1334
78	3/18/2008	0	9.26	18.23	3.796	79.2	38.94	260	1653.5	22464.5	130	847	11.235	4.646	11.32	0	7.005	9.0325	5.385	0.3335	0.3375	0.33	1.936	9.05	22.62	2.298	203	1278
79	3/19/2008	0.74	11.92	15.75	0.925	97.7	63.52	99.65	664.1	8608.75	46.97	346.6	4.0578	3.643	12.39	0	8.5275	9.8375	7.4275	0.342	0.3665	0.329	0.673	10.97	17.15	1.137	74.3	554.9
80	3/20/2008	0.04	2.389	7.7	-1.23	100	34.5	345	2065.5	29809.5	184.3	1113	15.92	4.008	11.85	0	7.625	9.1425	6.39425	0.3515	0.3585	0.3465	1.676	3.694	14.42	-1.217	202	1231
81	3/21/2008	0	5.904	14.17	-2.946	89.4	22.81	388.45	1793.5	33561.5	203.1	925	17.546	1.822	8.75	0	7.08625	9.41	4.937	0.343	0.3465	0.3395	2.25	6.82	19.4	-3.369	236	1294
82	3/22/2008	0	7.78	14.79	-1.264	98.4	34.06	415.3	1928	35881	220.1	1021	19.015	4.281	16.68	0	8.265	10.5275	6.64675	0.3355	0.3395	0.331	2.631	8.29	22.01	-0.535	245.2	1274
83	3/23/2008	0.03	-0.954	1.243	-2.028	98.8	73.4	92.55	516.45	7995.85	47.54	274.2	4.1072	1.886	6.486	0	6.66225	7.8025	5.70875	0.3325	0.333	0.3315	0.391	0.074	4.917	-2.172	57.64	438.8
84	3/24/2008	0	-1.003	4.304	-5.715	97.7	40.45	309.55	2045.5	26744.5	169.1	1109	14.609	1.927	9.53	0	5.7835	7.38775	4.38275	0.3305	0.332	0.3285	1.346	0.771	15.58	-6.228	131.7	1090
85	3/25/2008	0	4.065	11.59	-4.418	97.8	17.01	468	1675	40435.5	250.9	892	21.679	3.505	12.03	0	6.63675	9.275	4.50775	0.3255	0.3285	0.3215	2.644	6.049	19.61	-4.482	252.9	1143
86	3/26/2008	0	11.52	18.18	7.77	69.11	29.58	341.45	1995	29502.5	178.9	1042	15.453	4.06	14.83	0	8.1925	10.115	6.6345	0.318	0.3215	0.314	2.8	11.41	24.63	6.283	195.8	1157
87	3/27/2008	0.01	14.01	19.83	9.09	85.5	38.81	174.35	1764.5	15065	85.6	878	7.3935	3.003	9.94	0	9.0025	10.33	7.975	0.312	0.314	0.3095	1.791	13.03	24.65	7.51	109.4	1078
88	3/28/2008	0.29	9.67	15.16	1.305	100	57.94	80.7	935.5	6972.75	37.92	462.6	3.2764	2.853	10.3	0	9.3625	10.1675	8.5025	0.3225	0.3355	0.31	0.521	9.36	15.93	1.959	68.17	867
89	3/29/2008	0	6.094	13.66	0.113	100	33.15	443.7	1835	38338	232.5	961	20.084	3.12	11.08	0	9.29	11.8225	7.25725	0.334	0.3365	0.331	2.554	8.4	22.41	-0.116	303.7	1449
90	3/30/2008	0.23	1.74	5.479	0.213	96.2	43.97	158.3	983.5	13674	77.3	502.8	6.6809	6.105	17.1	1.417	7.83	9.3675	6.98975	0.341	0.344	0.331	0.591	2.662	7.8	0.542	126.9	910
91	3/31/2008	0	8.9	15.78	2.093	93.3	65.83	208.4	2342	18005.5	100.1	1118	8.6502	3.835	11.38	0	8.0675	9.7575	6.604	0.3395	0.342	0.3375	1.22	9.43	19.24	2.322	165.5	1811
	Mar-08	4.66	5.79	20.73	-9.89	100	17.01	276.2	2342	739771	143.35	1118	383.949	3.29	17.28	0	7.03	11.8225	2.7555	0.34	0.367	0.3095	50.175	6.26	25.24	-12.11	163.73	1811