

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/m)	Max UVB (mW/m)
32	2/1/2008	0.34	0.885	4.237	-1.343	98.4	66.19	47.465	722	4101	23.55	399	2.0347	4.225	11.79	0	2.262	3.068	1.68825	0.3455	0.356	0.334	0.188	0.559	4.886	-1.333	24.91	358.3
33	2/2/2008	0	2.389	12.79	-4.012	96.9	20.42	166.8	1299.5	14411.5	84.7	669.3	7.3211	2.289	9.83	0	2.8425	4.19975	1.99475	0.3415	0.345	0.338	1.016	1.653	15.02	-3.758	98.1	674.9
34	2/3/2008	0	5.011	11.3	-0.735	75.6	43.01	167.65	1301	14485.5	83	675.5	7.1747	1.967	8.22	0	3.0755	4.242	2.039	0.3365	0.3385	0.335	1.024	3.889	15.08	-1.838	98.3	715
35	2/4/2008	0.43	9.6	12.84	5.219	99.5	68.63	53.425	553.85	4615.9	25.61	269.2	2.2127	1.543	5.711	0	4.93375	6.14375	3.72275	0.3465	0.3595	0.3345	0.267	8.44	12.04	2.937	35.97	410.6
36	2/5/2008	0	14.65	19.85	11.38	99	59.54	150.15	1387	12971	74.4	713	6.4292	2.921	10.84	0	7.219	8.825	6.026	0.342	0.347	0.338	1.101	13.06	21.89	8.84	101	819
37	2/6/2008	0.65	13.25	17.67	5.82	98.3	34.47	63.9	792.65	5520.75	31.04	341.3	2.6816	3.594	12.45	0	8.1275	9.1675	7.36	0.3505	0.3645	0.3375	0.484	11.74	16.38	5.403	52.25	539.9
38	2/7/2008	0	0.003	5.885	-4.223	96.3	62.16	77.85	410.8	6724.2	38.67	209.9	3.341	3.404	12.99	0	5.924	7.8075	4.34025	0.344	0.3485	0.34	0.414	0.495	5.398	-4.117	47.41	333.9
39	2/8/2008	0	1.204	7.46	-3.108	95.1	38.75	195.7	1467.5	16908.5	96.4	786	8.328	1.991	9.29	0	4.4965	5.73075	3.73375	0.339	0.3405	0.3365	0.934	1.262	12.76	-2.854	109.2	697.3
40	2/9/2008	0	5.337	11.16	0.41	76.8	27.33	170.45	1525	14730.5	87.1	809	7.5266	3.628	14.72	0	4.69325	6.02725	3.898	0.335	0.337	0.3325	1.239	4.235	15.78	-1.331	104.6	740
41	2/10/2008	0	-1.047	3.555	-10.5	68.17	23.86	111.2	1306	9609.35	55.62	665.4	4.8059	6.174	19.25	1.417	3.59225	4.26325	2.51	0.3305	0.3325	0.3245	0.76	-1.309	4.516	-9.76	61.13	602.5
42	2/11/2008	0	-6.924	-1.617	-13.26	61.26	24.85	206.65	1374	17852	104.6	765	9.0344	2.423	9.35	0	1.88	2.51625	1.68125	0.318	0.3245	0.3145	0.75	-5.235	5.305	-11.76	96.8	666.4
43	2/12/2008	0	3.932	9.71	-1.945	93.9	38.87	128.2	1088.5	11077.5	63.22	657	5.4622	2.757	8.63	0	2.25625	3.30225	1.69825	0.321	0.3225	0.319	0.778	3.067	11.64	-3.358	78	608.9
44	2/13/2008	0.22	-1.728	7.35	-8.85	99	85.7	46.325	516.45	4002.3	23.14	273.8	1.9996	2.748	9.05	0	3.3335	3.7855	2.5285	0.334	0.3375	0.3225	0.123	-1.194	6.379	-8.47	24.34	349.7
45	2/14/2008	0.04	-2.576	6.532	-9.14	91.6	33.84	224.3	1298	19381	133.7	708	11.548	2.195	7.56	0	3.08725	4.5335	2.24825	0.3355	0.337	0.334	1.041	-2.032	11.7	-9.26	120.9	715
46	2/15/2008	0	4.955	10.53	-0.342	84.4	36.46	184.55	1541.5	15944	92.7	829	8.005	2.677	11.02	0	3.556	4.9145	2.36275	0.3335	0.335	0.332	1.188	4.131	12.68	-2.138	101.9	715
47	2/16/2008	0	4.775	13.2	-0.738	94.8	38.33	266.1	1309.5	22990.5	134.5	680.1	11.616	1.968	7.98	0	4.91825	6.7155	3.67925	0.3305	0.3325	0.3285	1.379	5.215	18.02	-0.294	122.2	674.8
48	2/17/2008	0.13	9.16	14.99	5.335	96.6	58.81	134.35	1056.5	11605.5	65.19	549.4	5.6323	3.788	9.77	0	5.802	6.9845	4.79625	0.3285	0.3335	0.326	0.868	8.69	16.56	3.157	75.5	536.3
49	2/18/2008	0.03	4.47	11.3	-2.115	97.3	54.42	66.945	1076	5783.9	34.01	582	2.9386	3.933	13.94	0	5.9815	6.798	4.53475	0.3355	0.336	0.3335	0.272	4.051	10.44	-2.12	27.96	245.6
50	2/19/2008	0	-1.914	1.03	-3.927	95.3	36.29	169.55	1365	14648.5	88.3	821	7.6282	4.843	18.41	0	3.6485	4.53875	2.92575	0.3335	0.335	0.331	0.676	-1.831	4.138	-4.692	64.44	541.5
51	2/20/2008	0	-3.1	1.885	-8.11	100	40.84	57.86	568.4	4998.9	29.53	298.6	2.551	3.198	11.85	0	2.476	2.93125	2.20025	0.331	0.3335	0.329	0.233	-2.858	3.051	-8.49	28.41	260.8
52	2/21/2008	0.12	-4.831	0.44	-12.66	94.5	62.63	54.215	398.5	4684.25	56.93	561.5	4.9184	2.437	8.75	0	2.884	3.041	2.68375	0.3335	0.3345	0.3325	0.46	-4.914	4.151	-15.63	41.48	328.5
53	2/22/2008	0.25	3.702	7.84	-1.196	99.1	74.4	79.8	980.5	6893.5	39.24	494.1	3.3903	2.416	8.57	0	3.51275	4.53475	3.022	0.342	0.356	0.334	0.385	3.202	7.42	-1.599	57.42	680.7
54	2/23/2008	0.02	1.059	7.34	-2.621	100	94.1	32.935	377.75	2845.4	15.27	191.3	1.3192	2.479	7.32	0	4.18275	4.553	3.57925	0.3415	0.3445	0.34	0.072	1.289	6.436	-2.103	18.76	274.4
55	2/24/2008	0	0.345	6.003	-3.783	99.1	63.81	162.2	1076.5	14013	83.7	523.5	7.2351	1.75	6.188	0	3.955	4.99025	3.066	0.338	0.34	0.337	0.722	1.351	10.26	-2.963	80	552.8
56	2/25/2008	0.05	1.419	5.536	-1.605	99.3	62.73	138.3	1460	11951	75.6	821	6.5334	2.005	7.02	0	4.40775	5.4365	3.71675	0.3385	0.3395	0.3375	0.562	2.167	11.33	-1.392	80.7	741
57	2/26/2008	0.18	4.801	9.85	-3.161	99.1	68.73	47.1	1642.5	4069.4	22.34	723	1.9301	3.647	14.95	0	5.0085	5.8745	4.41825	0.3405	0.3465	0.337	0.242	4.32	11.96	-3.599	28.33	820
58	2/27/2008	0.01	-6.756	-2.738	-9.75	98.6	57.55	248.4	1968	21463.5	132.7	1083	11.469	4.194	13.17	0	3.97775	4.424	3.62525	0.3435	0.3455	0.3425	0.633	-5.941	5.026	-10.55	106.9	822
59	2/28/2008	0	-7.08	-2.509	-10.35	95.1	53.01	255	1954.5	22033	149.1	1071	12.881	3.063	12.33	0	3.55375	3.78575	3.174	0.343	0.345	0.3415	0.802	-6.533	3.736	-11.84	145.5	981
60	2/29/2008	0.53	-0.003	6.89	-7.58	98.9	52.67	169.1	1673	14607.5	85.5	887	7.3839	2.708	11.79	0	3.40675	4.2965	2.8415	0.3485	0.3635	0.3415	0.775	0.326	13.7	-8.72	87.7	827
	Feb-08	3	1.9	19.85	-13.26	100	20.42	133.67	1968	334922.85	69.98	1083	175.3312	3	19.25	0	4.1	9.17	1.68	0.34	0.36	0.31	19.388	1.77	21.89	-15.63	73.11	981