

2012 Weather Summary for Hancock, WI

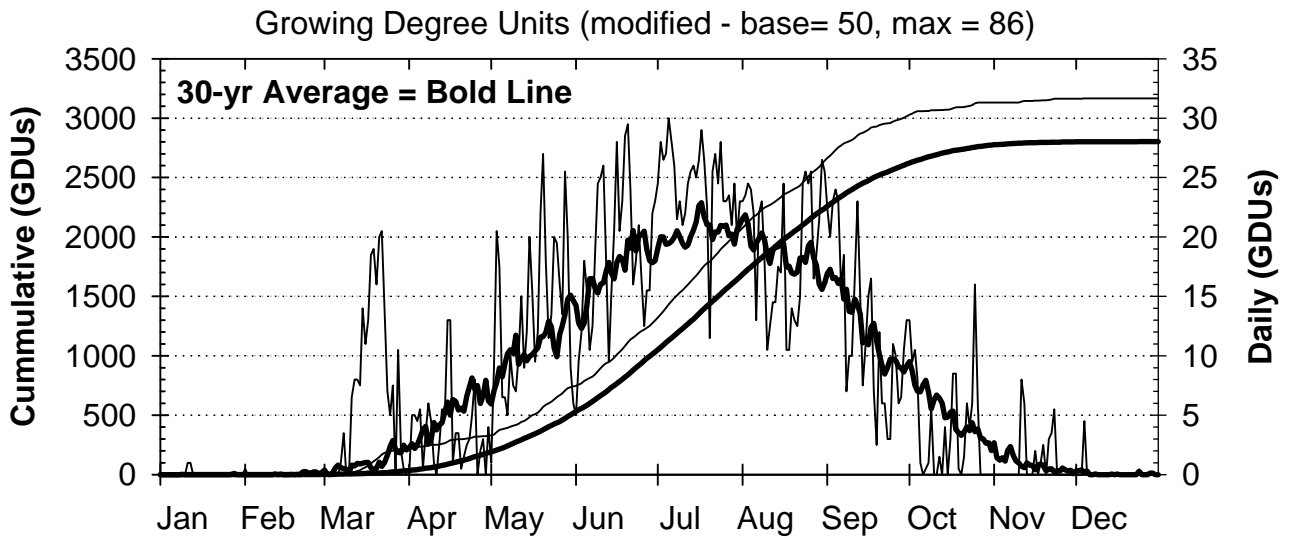
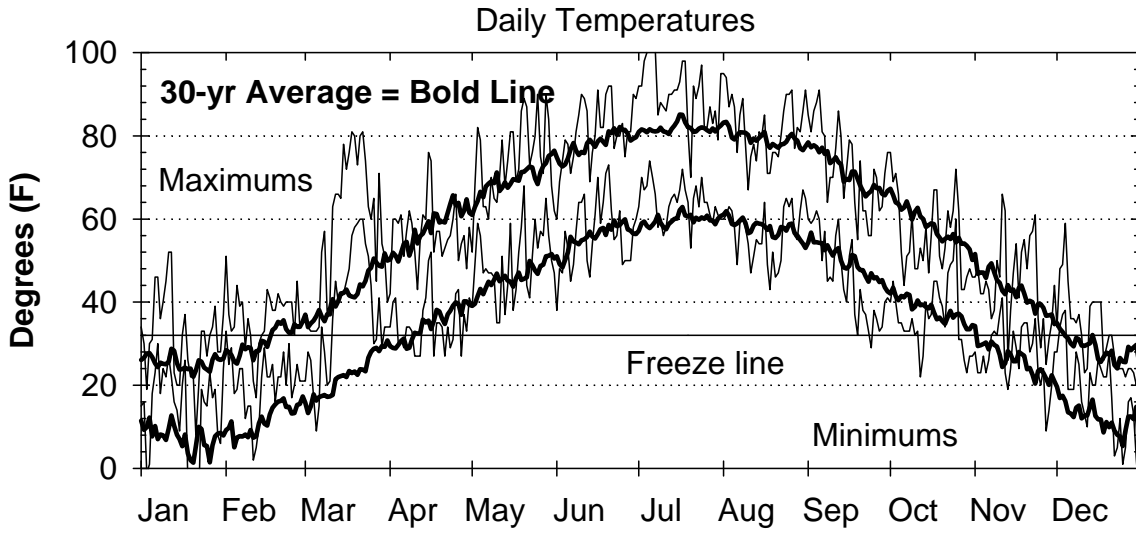
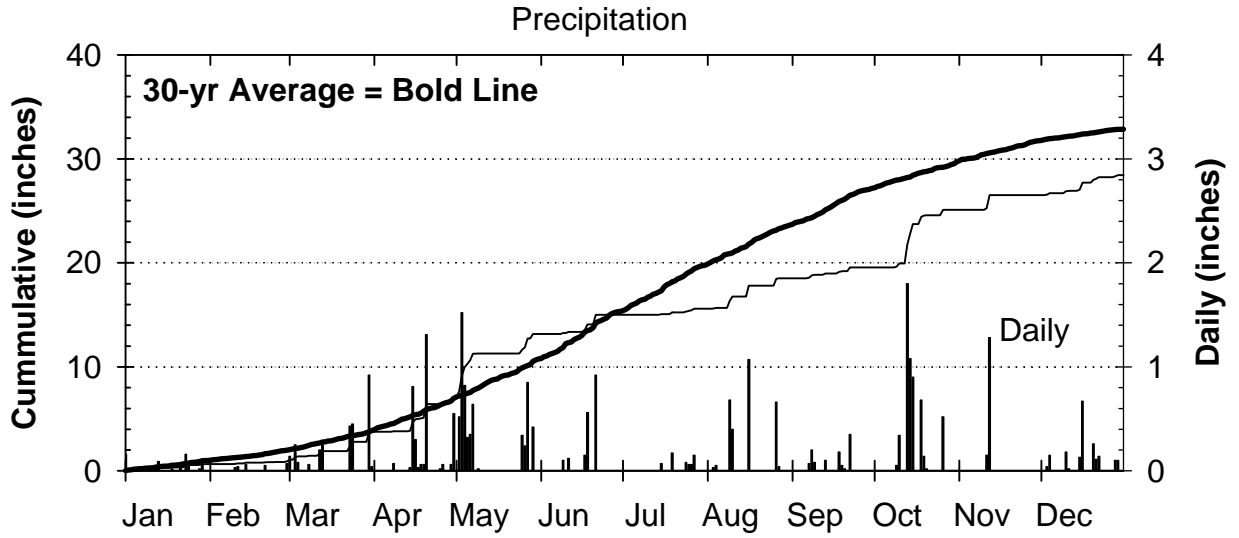


Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station during 2011.

Day of year		Precipitation		Daily Solar Radiation W m ⁻²	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 F)	
		Daily	Total		Max	Min	Max	Min	Daily	Total
		inches			°F		°F			
92	1-Apr	0.00	3.8	174	59	44	42	34	0	216
93	2-Apr	0.00	3.8	241	62	45	60	40	5	221
94	3-Apr	0.00	3.8	192	60	48	60	41	5	226
95	4-Apr	0.00	3.8	267	63	43	59	30	5	230
96	5-Apr	0.00	3.8	285	61	44	61	31	6	236
97	6-Apr	0.00	3.8	287	62	43	51	29	1	236
98	7-Apr	0.00	3.8	203	59	45	57	34	4	240
99	8-Apr	0.07	3.8	229	57	44	62	34	6	246
100	9-Apr	0.00	3.8	267	56	42	59	33	5	250
101	10-Apr	0.00	3.8	247	54	42	52	27	1	251
102	11-Apr	0.00	3.8	293	59	40	43	27	0	251
103	12-Apr	0.00	3.8	295	62	42	55	27	3	254
104	13-Apr	0.00	3.8	151	55	46	61	38	6	259
105	14-Apr	0.03	3.8	257	66	50	60	41	5	264
106	15-Apr	0.81	4.7	139	65	56	76	50	13	277
107	16-Apr	0.30	5.0	121	60	47	74	52	13	290
108	17-Apr	0.03	5.0	293	63	42	52	27	1	291
109	18-Apr	0.06	5.1	178	61	48	57	35	4	295
110	19-Apr	0.06	5.1	120	56	44	57	35	4	298
111	20-Apr	1.31	6.4	156	54	42	51	34	1	299
112	21-Apr	0.00	6.4	305	63	40	53	27	2	300
113	22-Apr	0.00	6.4	306	64	45	55	34	3	303
114	23-Apr	0.00	6.4	307	63	44	56	29	3	306
115	24-Apr	0.00	6.4	298	67	45	60	31	5	311
116	25-Apr	0.02	6.4	47	55	50	66	42	8	319
117	26-Apr	0.06	6.5	298	64	47	50	43	0	319
118	27-Apr	0.00	6.5	317	66	43	54	27	2	321
119	28-Apr	0.00	6.5	42	54	45	56	37	3	324
120	29-Apr	0.06	6.6	212	59	42	48	33	0	324
121	30-Apr	0.55	7.1	70	53	48	58	41	4	328
122	1-May	0.00	7.1	259	64	44	52	39	1	329
123	2-May	0.52	7.6	300	75	55	68	49	9	338
124	3-May	1.52	9.1	142	73	63	82	59	21	358
125	4-May	0.82	10.0	131	68	60	79	56	18	376
126	5-May	0.32	10.3	170	68	56	63	47	7	382
127	6-May	0.35	10.6	63	60	55	63	48	7	389
128	7-May	0.64	11.3	194	68	54	60	47	5	394
129	8-May	0.00	11.3	222	67	53	70	47	10	404
130	9-May	0.02	11.3	289	70	54	65	46	8	411
131	10-May	0.00	11.3	348	74	51	64	35	7	418
132	11-May	0.00	11.3	296	74	56	70	35	10	428
133	12-May	0.00	11.3	295	74	59	79	51	15	443
134	13-May	0.00	11.3	351	77	55	68	37	9	452
135	14-May	0.00	11.3	345	78	57	74	44	12	464
136	15-May	0.00	11.3	271	75	61	81	59	20	484
137	16-May	0.00	11.3	353	78	57	81	38	16	500
138	17-May	0.00	11.3	224	71	58	69	43	10	509
139	18-May	0.00	11.3	350	81	59	72	52	12	521
140	19-May	0.00	11.3	319	83	64	86	58	22	543
141	20-May	0.00	11.3	249	81	69	89	68	27	570
142	21-May	0.00	11.3	358	81	62	87	44	18	588
143	22-May	0.00	11.3	353	82	61	73	41	12	600
144	23-May	0.00	11.3	283	78	63	76	51	14	613
145	24-May	0.00	11.3	302	82	65	80	60	20	633

Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station during 2011.

Day of year	Precipitation		Daily Solar Radiation W m ⁻²	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 F)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches			°F		°F			
146 25-May	0.34	11.6	292	84	62	90	53	20	653
147 26-May	0.24	11.9	83	72	63	75	57	16	669
148 27-May	0.85	12.7	308	85	63	71	56	14	682
149 28-May	0.00	12.7	214	80	69	90	65	26	708
150 29-May	0.42	13.1	305	78	62	84	56	20	728
151 30-May	0.00	13.1	190	72	61	68	50	9	737
152 31-May	0.00	13.1	200	72	59	62	47	6	743
153 1-Jun	0.00	13.1	346	78	56	60	38	5	748
154 2-Jun	0.00	13.1	363	81	59	69	48	10	757
155 3-Jun	0.00	13.1	318	82	62	74	47	12	769
156 4-Jun	0.00	13.1	257	83	66	79	57	18	787
157 5-Jun	0.00	13.1	166	75	65	78	53	16	803
158 6-Jun	0.00	13.1	293	80	60	71	45	11	813
159 7-Jun	0.00	13.1	355	85	62	75	49	13	826
160 8-Jun	0.00	13.1	222	80	68	81	57	19	845
161 9-Jun	0.10	13.2	350	87	68	85	64	25	869
162 10-Jun	0.00	13.2	300	85	71	90	64	25	894
163 11-Jun	0.12	13.4	277	85	72	89	66	26	920
164 12-Jun	0.00	13.4	309	82	66	86	50	18	938
165 13-Jun	0.00	13.4	288	81	64	69	46	10	948
166 14-Jun	0.00	13.4	214	77	66	76	54	15	963
167 15-Jun	0.00	13.4	310	87	69	80	61	21	983
168 16-Jun	0.00	13.4	155	80	73	91	70	28	1011
169 17-Jun	0.15	13.5	288	86	68	82	59	21	1032
170 18-Jun	0.56	14.1	232	85	70	82	64	23	1055
171 19-Jun	0.00	14.1	317	93	74	90	71	29	1083
172 20-Jun	0.00	14.1	344	93	76	92	73	30	1113
173 21-Jun	0.92	15.0	325	87	73	92	62	24	1137
174 22-Jun	0.00	15.0	313	87	69	77	55	16	1153
175 23-Jun	0.00	15.0	232	83	69	80	56	18	1171
176 24-Jun	0.00	15.0	279	87	71	80	62	21	1192
177 25-Jun	0.00	15.0	375	87	70	83	49	17	1208
178 26-Jun	0.00	15.0	352	87	69	75	50	13	1221
179 27-Jun	0.00	15.0	343	89	72	81	50	16	1236
180 28-Jun	0.00	15.0	271	88	77	81	50	16	1252
181 29-Jun	0.00	15.0	301	88	73	90	58	22	1274
182 30-Jun	0.00	15.0	347	91	73	89	60	23	1297
183 1-Jul	0.00	15.0	312	92	75	92	63	25	1321
184 2-Jul	0.00	15.0	312	95	78	92	70	28	1349
185 3-Jul	0.00	15.0	297	94	80	98	67	27	1376
186 4-Jul	0.00	15.0	288	98	81	100	68	27	1403
187 5-Jul	0.00	15.0	309	99	82	102	74	30	1433
188 6-Jul	0.00	15.0	313	99	82	101	70	28	1461
189 7-Jul	0.00	15.0	247	92	83	101	66	26	1487
190 8-Jul	0.00	15.0	299	94	77	85	58	22	1508
191 9-Jul	0.00	15.0	320	94	78	88	60	23	1531
192 10-Jul	0.00	15.0	318	94	76	87	56	21	1552
193 11-Jul	0.00	15.0	332	95	76	86	58	22	1574
194 12-Jul	0.00	15.0	284	93	78	90	63	25	1599
195 13-Jul	0.00	15.0	311	96	78	90	65	26	1624
196 14-Jul	0.00	15.0	238	93	81	91	66	26	1650
197 15-Jul	0.07	15.1	283	94	76	91	64	25	1675
198 16-Jul	0.00	15.1	326	98	79	93	67	27	1702
199 17-Jul	0.00	15.1	253	97	82	98	72	29	1731

Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station during 2011.

Day of year	Precipitation		Daily Solar Radiation	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 F)		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m ⁻²	°F		°F				
200	18-Jul	0.00	15.1	166	89	80	98	67	27	1757
201	19-Jul	0.17	15.2	105	82	73	81	64	23	1780
202	20-Jul	0.00	15.2	329	92	67	70	53	12	1791
203	21-Jul	0.00	15.2	213	89	75	92	65	26	1817
204	22-Jul	0.00	15.2	223	91	76	89	68	27	1844
205	23-Jul	0.00	15.2	287	96	77	92	63	25	1868
206	24-Jul	0.08	15.3	179	87	80	97	70	28	1896
207	25-Jul	0.06	15.4	230	91	75	82	64	23	1919
208	26-Jul	0.06	15.4	290	88	79	82	64	23	1942
209	27-Jul	0.15	15.6	212	86	73	87	61	24	1966
210	28-Jul	0.00	15.6	306	92	72	83	59	21	1987
211	29-Jul	0.00	15.6	163	85	76	86	63	25	2011
212	30-Jul	0.00	15.6	308	94	72	79	61	20	2031
213	31-Jul	0.00	15.6	313	94	76	95	60	23	2054
214	1-Aug	0.00	15.6	300	94	75	95	60	23	2077
215	2-Aug	0.00	15.6	133	86	79	94	61	24	2101
216	3-Aug	0.03	15.6	252	92	75	87	63	25	2125
217	4-Aug	0.05	15.7	160	86	77	90	62	24	2149
218	5-Aug	0.00	15.7	328	89	71	87	58	22	2171
219	6-Aug	0.00	15.7	329	91	70	76	49	13	2184
220	7-Aug	0.00	15.7	315	93	75	85	59	22	2206
221	8-Aug	0.00	15.7	129	83	76	89	60	23	2229
222	9-Aug	0.68	16.3	95	78	67	78	58	18	2247
223	10-Aug	0.40	16.7	276	81	64	67	54	11	2258
224	11-Aug	0.00	16.7	315	84	62	75	47	13	2270
225	12-Aug	0.00	16.7	137	76	66	78	51	15	2285
226	13-Aug	0.00	16.7	233	84	68	74	55	15	2299
227	14-Aug	0.00	16.7	250	83	68	81	54	18	2317
228	15-Aug	0.00	16.7	219	84	69	80	54	17	2334
229	16-Aug	1.07	17.8	129	76	68	85	64	25	2358
230	17-Aug	0.00	17.8	306	79	62	71	49	11	2369
231	18-Aug	0.00	17.8	247	77	61	71	43	11	2379
232	19-Aug	0.00	17.8	242	79	65	76	52	14	2393
233	20-Aug	0.00	17.8	271	79	63	76	46	13	2406
234	21-Aug	0.00	17.8	269	80	64	75	47	13	2419
235	22-Aug	0.00	17.8	277	82	65	80	50	15	2434
236	23-Aug	0.00	17.8	193	82	71	86	63	25	2458
237	24-Aug	0.00	17.8	210	82	73	90	65	26	2484
238	25-Aug	0.00	17.8	237	84	71	90	63	25	2508
239	26-Aug	0.66	18.5	105	79	72	91	65	26	2534
240	27-Aug	0.04	18.5	282	82	67	77	56	17	2550
241	28-Aug	0.00	18.5	232	80	67	82	55	19	2569
242	29-Aug	0.00	18.5	256	83	69	81	62	22	2590
243	30-Aug	0.00	18.5	257	84	72	86	67	27	2617
244	31-Aug	0.00	18.5	253	84	73	91	65	26	2642
245	1-Sep	0.00	18.5	272	82	71	85	60	23	2665
246	2-Sep	0.00	18.5	256	84	71	81	59	20	2685
247	3-Sep	0.00	18.5	141	82	73	86	60	23	2708
248	4-Sep	0.00	18.5	230	85	72	88	62	24	2732
249	5-Sep	0.00	18.5	231	83	73	91	60	23	2755
250	6-Sep	0.00	18.5	257	82	69	81	50	16	2770
251	7-Sep	0.07	18.6	56	75	66	80	57	19	2789
252	8-Sep	0.20	18.8	182	72	60	64	45	7	2796
253	9-Sep	0.08	18.9	223	73	60	70	46	10	2806

Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station during 2011.

Day of year	Precipitation		Daily Solar Radiation	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 F)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches		W m ⁻²	°F		°F			
254 10-Sep	0.00	18.9	252	76	57	70	45	10	2816
255 11-Sep	0.00	18.9	241	79	62	77	56	17	2832
256 12-Sep	0.00	18.9	203	78	67	86	60	23	2855
257 13-Sep	0.10	19.0	109	70	62	80	50	15	2870
258 14-Sep	0.00	19.0	247	72	57	65	43	8	2878
259 15-Sep	0.00	19.0	235	74	57	72	40	11	2889
260 16-Sep	0.00	19.0	218	75	61	79	51	15	2904
261 17-Sep	0.00	19.0	50	68	61	78	55	17	2920
262 18-Sep	0.18	19.2	162	62	53	64	37	7	2927
263 19-Sep	0.05	19.2	149	65	51	55	32	3	2930
264 20-Sep	0.02	19.2	169	65	54	74	43	12	2942
265 21-Sep	0.00	19.2	143	64	55	62	38	6	2948
266 22-Sep	0.35	19.6	123	58	49	62	37	6	2954
267 23-Sep	0.00	19.6	225	60	45	56	33	3	2957
268 24-Sep	0.00	19.6	219	63	46	56	29	3	2960
269 25-Sep	0.00	19.6	219	66	51	72	38	11	2971
270 26-Sep	0.00	19.6	223	64	50	70	36	10	2981
271 27-Sep	0.00	19.6	158	60	48	62	33	6	2987
272 28-Sep	0.00	19.6	196	64	47	63	34	7	2993
273 29-Sep	0.00	19.6	205	66	51	71	40	11	3004
274 30-Sep	0.00	19.6	206	65	53	76	41	13	3017
275 1-Oct	0.00	19.6	160	65	53	76	40	13	3030
276 2-Oct	0.00	19.6	199	66	55	69	45	10	3039
277 3-Oct	0.00	19.6	195	67	54	71	40	11	3050
278 4-Oct	0.00	19.6	161	65	56	66	35	8	3058
279 5-Oct	0.00	19.6	149	59	52	52	35	1	3059
280 6-Oct	0.00	19.6	89	55	51	44	33	0	3059
281 7-Oct	0.00	19.6	190	58	49	51	33	1	3059
282 8-Oct	0.00	19.6	126	56	46	52	33	1	3060
283 9-Oct	0.05	19.6	24	54	48	61	36	6	3066
284 10-Oct	0.34	20.0	151	51	44	48	32	0	3066
285 11-Oct	0.00	20.0	77	51	43	48	33	0	3066
286 12-Oct	0.00	20.0	186	51	38	53	22	2	3067
287 13-Oct	1.80	21.8	11	49	43	50	27	0	3067
288 14-Oct	1.08	22.8	18	50	47	58	40	4	3071
289 15-Oct	0.90	23.7	165	54	45	47	36	0	3071
290 16-Oct	0.00	23.7	137	57	47	56	37	3	3074
291 17-Oct	0.00	23.7	85	57	50	67	45	9	3083
292 18-Oct	0.68	24.4	41	54	50	67	45	9	3091
293 19-Oct	0.14	24.6	61	53	48	51	41	1	3092
294 20-Oct	0.02	24.6	111	53	45	48	39	0	3092
295 21-Oct	0.00	24.6	149	54	43	53	34	2	3093
296 22-Oct	0.00	24.6	45	54	49	62	47	6	3099
297 23-Oct	0.00	24.6	25	55	52	58	49	4	3103
298 24-Oct	0.00	24.6	50	61	55	62	50	6	3109
299 25-Oct	0.00	24.6	14	60	50	72	60	16	3125
300 26-Oct	0.52	25.1	151	50	45	62	31	6	3131
301 27-Oct	0.00	25.1	152	47	41	43	31	0	3131
302 28-Oct	0.00	25.1	149	46	39	43	26	0	3131
303 29-Oct	0.00	25.1	147	44	36	46	23	0	3131
304 30-Oct	0.00	25.1	110	44	38	48	27	0	3131
305 31-Oct	0.00	25.1	144	43	37	46	27	0	3131

Table A-5. Monthly and total precipitation (inches) data for the Hancock Research Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1983	0.7	1.4	2.2	1.0	5.5	1.4	3.2	7.5	5.5	2.5	2.4	1.0	34.3
1984	0.4	1.2	1.4	3.5	2.6	4.7	3.2	4.4	5.4	4.9	3.1	1.5	36.2
1985	0.5	1.5	2.2	1.8	2.3	3.4	4.4	0.1	4.9	1.9	3.8	0.9	27.8
1986	0.3	1.3	2.2	2.2	1.8	4.3	5.1	2.3	10.8	2.0	1.2	0.3	33.7
1987	0.6	0.3	1.5	2.8	2.9	6.7	2.3	1.4	3.1	1.8	3.4	1.2	28.1
1988	1.4	0.3	1.4	1.9	1.0	1.2	5.5	4.0	4.8	1.9	3.3	0.7	27.3
1989	0.3	0.4	1.8	0.5	7.3	2.1	3.0	1.7	1.5	4.3	1.4	0.3	24.6
1990	1.0	0.6	2.9	2.0	4.8	8.1	3.9	6.4	2.9	2.7	1.0	2.1	38.6
1991	0.7	0.4	2.8	4.6	6.5	1.3	3.9	1.8	3.3	3.6	4.4	1.5	34.6
1992	0.7	0.6	2.4	2.8	2.5	1.7	4.2	3.2	7.9	1.4	4.4	2.2	34.0
1993	1.1	0.6	0.9	5.0	5.7	6.9	9.0	5.3	2.7	2.0	2.0	0.3	41.5
1994	1.4	1.1	0.8	5.1	1.5	3.7	6.8	3.8	2.8	0.9	1.6	0.3	29.9
1995	0.7	0.3	2.7	2.8	3.1	2.0	2.3	7.8	2.5	4.7	1.9	0.5	31.2
1996	2.6	1.1	1.2	3.7	1.7	6.9	4.6	2.1	1.2	2.8	1.1	1.3	30.3
1997	1.1	0.9	2.0	0.9	4.5	3.5	8.0	3.2	3.4	1.5	0.4	0.6	29.9
1998	1.7	1.3	4.5	1.6	3.0	6.4	2.5	5.1	2.3	1.8	1.9	0.4	32.5
1999	2.1	1.7	0.3	5.9	3.3	3.7	10.7	4.5	1.3	2.4	1.4	0.6	37.8
2000	1.2	0.9	1.1	3.8	5.1	6.9	2.3	4.6	3.5	0.6	2.6	1.5	34.1
2001	1.3	1.4	0.8	3.6	7.2	4.1	2.7	4.6	4.6	2.1	2.0	0.8	35.1
2002	0.4	2.2	2.2	4.1	2.9	16.5	3.2	4.3	3.0	3.3	0.2	0.4	42.7
2003	0.7	0.6	2.0	1.5	5.3	3.4	2.3	0.7	2.9	1.1	3.6	1.5	25.5
2004	0.9	1.1	3.0	1.5	7.2	7.7	2.7	3.6	0.5	3.3	1.9	1.2	34.5
2005	1.4	1.5	1.1	1.4	3.0	3.9	5.8	3.5	4.0	1.6	3.2	0.6	31.0
2006	1.1	0.7	0.8	5.0	5.8	1.5	2.7	2.9	3.8	2.0	1.7	1.6	29.7
2007	1.1	0.9	2.4	2.4	3.8	1.8	2.7	8.9	2.9	4.6	0.1	0.9	32.3
2008	1.6	1.9	0.5	5.5	2.9	6.5	4.5	2.4	2.1	1.8	1.6	2.4	33.7
2009	0.5	1.1	1.9	3.7	4.6	2.7	2.2	3.4	0.6	5.0	1.3	2.4	29.4
2010	0.8	0.5	0.6	2.6	3.6	7.2	10.6	5.4	4.4	1.3	1.4	0.9	39.4
2011	0.6	1.0	2.2	4.8	3.3	3.7	3.0	2.1	6.3	1.9	2.2	1.1	32.3
2012	0.6	0.3	2.8	3.4	6.0	1.9	0.6	2.9	1.1	5.5	1.4	1.9	28.4
30-year Average	1.0	1.0	1.8	3.0	4.0	4.5	4.3	3.8	3.5	2.6	2.1	1.1	32.7

Table A-6. Average monthly and annual temperature (°F) data for the Hancock Research Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1983	22	27	33	42	52	68	75	73	62	50	37	9	46
1984	14	30	25	47	55	68	69	71	59	52	35	23	46
1985	13	18	36	51	62	64	70	66	61	49	30	10	44
1986	17	18	35	51	60	67	73	65	61	50	30	24	46
1987	21	29	37	51	62	70	74	68	61	43	38	26	48
1988	12	14	32	46	63	72	74	74	63	44	37	20	46
1989	25	14	27	44	56	66	73	69	60	51	31	11	44
1990	28	24	36	49	55	68	70	69	64	49	40	19	48
1991	13	25	34	49	63	70	70	70	58	49	29	23	46
1992	22	28	31	42	59	64	65	65	59	47	31	21	45
1993	17	18	30	41	58	64	69	70	55	48	32	23	44
1994	6	14	34	47	59	69	68	66	63	52	38	27	45
1995	19	20	34	41	57	71	72	74	59	50	26	18	45
1996	12	19	25	42	54	67	67	69	61	49	26	20	43
1997	14	23	31	43	50	67	68	64	61	49	31	26	44
1998	20	31	31	48	63	64	70	69	66	49	38	26	48
1999	12	27	33	47	59	66	73	66	59	47	41	22	46
2000	15	27	38	43	59	64	68	69	60	53	31	6	44
2001	19	16	29	50	57	66	71	70	58	46	45	28	46
2002	26	25	26	45	52	68	73	69	63	43	32	25	46
2003	14	14	30	43	55	65	70	72	62	48	34	26	45
2004	11	21	35	46	55	64	69	64	65	50	39	23	45
2005	15	26	28	50	54	71	72	70	65	50	36	19	46
2006	30	20	33	51	58	67	74	70	58	45	39	29	48
2007	23	13	36	44	61	69	71	70	62	54	34	18	47
2008	17	15	26	45	54	66	70	68	62	48	35	14	43
2009	7	22	31	43	57	65	64	66	62	43	41	20	44
2010	15	20	37	51	59	67	72	72	58	50	36	16	46
2011	12	18	27	42	55	65	74	70	58	51	38	27	45
2012	22	28	48	46	62	69	77	69	59	46	36	25	49
30-year Average	17	21	32	46	57	67	71	69	61	49	35	21	46