

2014 Weather Summary for Hancock, WI

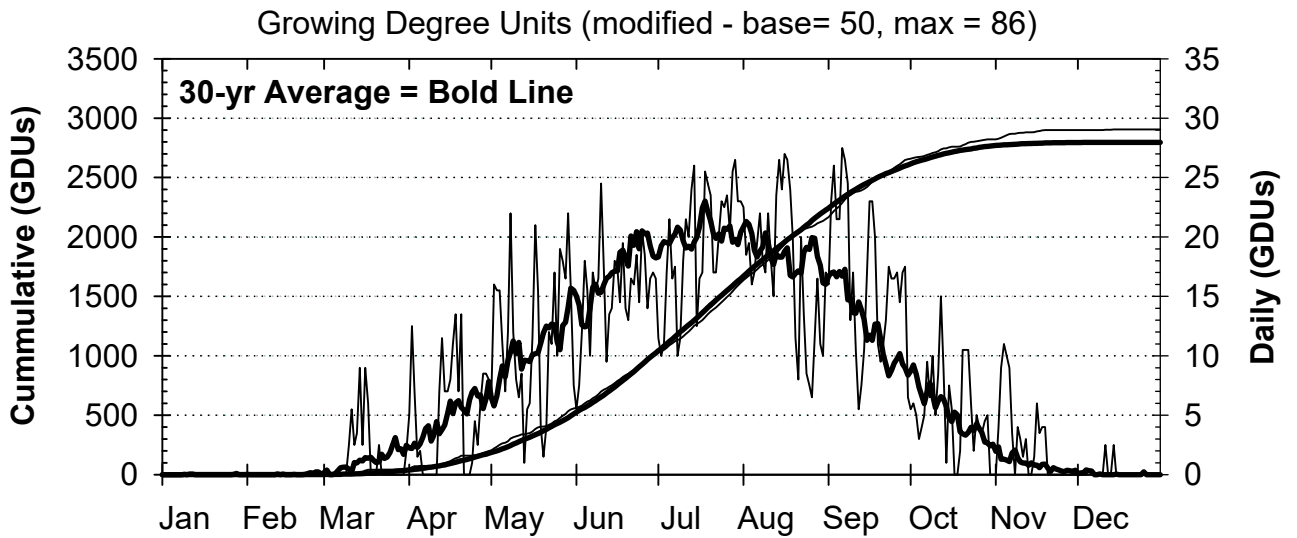
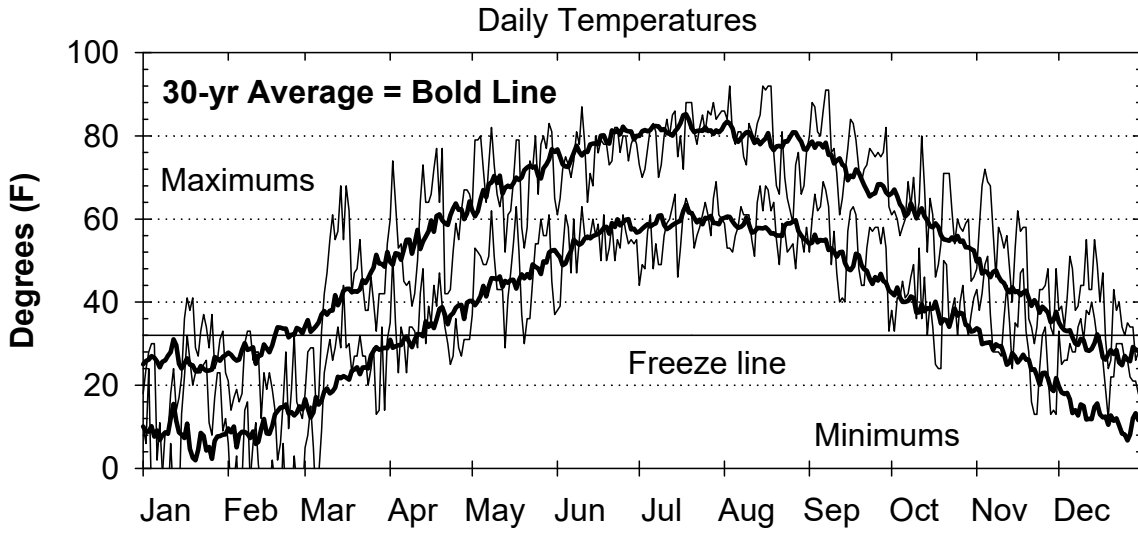
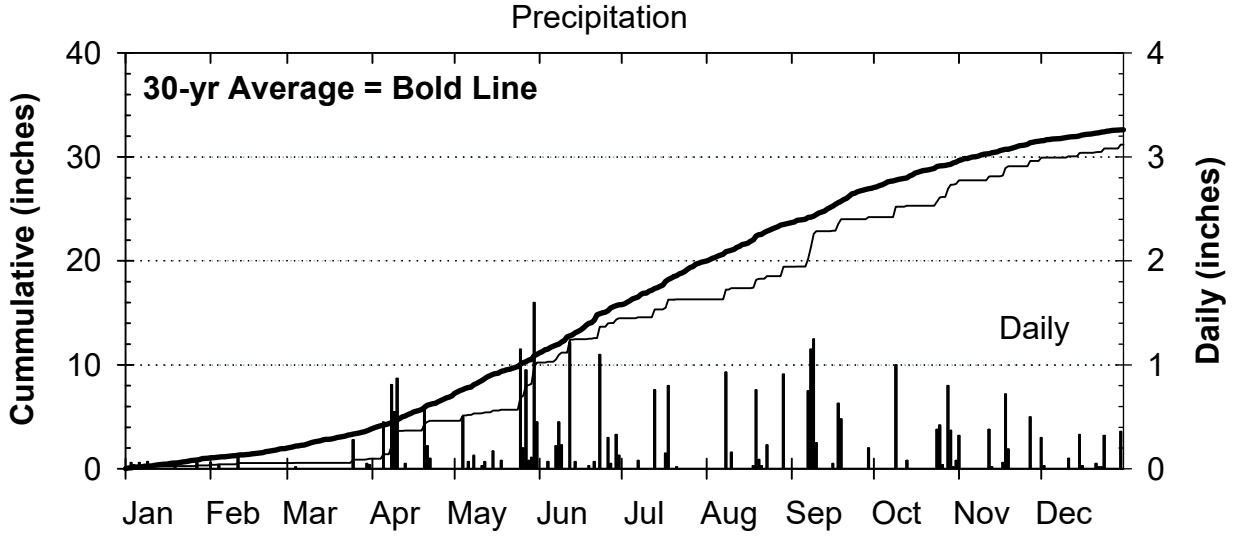


Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station.

Day of year		Precipitation		Daily Solar Radiation	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 oF)	
		Daily	Total		Max	Min	Max	Min	Daily	Total
		inches		W m-2	oF		oF			
91	1-Apr	0.00	1.0	249	51	36	60	35	5	50
92	2-Apr	0.00	1.0	200	53	45	74	51	13	63
93	3-Apr	0.00	1.0	134	46	38	64	35	7	70
94	4-Apr	0.00	1.0	251	48	35	53	23	2	71
95	5-Apr	0.45	1.4	92	45	40	54	34	2	73
96	6-Apr	0.00	1.4	137	44	37	45	31	0	73
97	7-Apr	0.00	1.4	84	43	38	44	23	0	73
98	8-Apr	0.81	2.2	61	42	39	45	34	0	73
99	9-Apr	0.55	2.8	43	42	39	39	34	0	73
100	10-Apr	0.87	3.6	101	43	37	42	33	0	73
101	11-Apr	0.00	3.6	288	53	36	50	29	0	73
102	12-Apr	0.00	3.6	274	56	41	64	42	7	80
103	13-Apr	0.05	3.7	252	55	47	73	48	12	92
104	14-Apr	0.00	3.7	283	57	42	64	30	7	99
105	15-Apr	0.00	3.7	237	56	43	64	39	7	106
106	16-Apr	0.00	3.7	292	60	44	66	35	8	114
107	17-Apr	0.00	3.7	249	62	---	72	44	11	125
108	18-Apr	0.00	3.7	294	61	49	77	39	14	138
109	19-Apr	0.00	3.7	207	60	50	64	47	7	145
110	20-Apr	0.61	4.3	71	55	45	77	39	14	159
111	21-Apr	0.22	4.5	140	50	42	42	34	0	159
112	22-Apr	0.10	4.6	118	44	39	42	30	0	159
113	23-Apr	0.00	4.6	317	51	37	43	25	0	159
114	24-Apr	0.00	4.6	226	53	39	52	27	1	160
115	25-Apr	0.00	4.6	275	56	44	59	36	5	164
116	26-Apr	0.00	4.6	321	58	42	55	29	3	167
117	27-Apr	0.00	4.6	321	59	44	62	27	6	173
118	28-Apr	0.00	4.6	310	61	46	67	31	9	181
119	29-Apr	0.00	4.6	299	62	49	67	31	9	190
120	30-Apr	0.00	4.6	326	62	48	66	31	8	198
121	1-May	0.00	4.6	265	62	49	63	37	7	204
122	2-May	0.00	4.6	297	66	54	79	53	16	220
123	3-May	0.00	4.6	245	66	55	79	52	16	236
124	4-May	0.50	5.1	289	69	57	80	51	16	251
125	5-May	0.00	5.1	159	63	55	72	49	11	262
126	6-May	0.07	5.2	260	69	55	64	49	7	269
127	7-May	0.00	5.2	251	70	59	73	51	12	281
128	8-May	0.13	5.3	183	68	60	82	62	22	303
129	9-May	0.00	5.3	165	67	59	73	51	12	315
130	10-May	0.00	5.3	129	62	55	66	43	8	323
131	11-May	0.03	5.4	160	65	56	63	43	7	330
132	12-May	0.07	5.4	130	57	51	67	43	9	338
133	13-May	0.01	5.4	333	66	46	52	29	1	339
134	14-May	0.00	5.4	164	61	52	61	41	6	345
135	15-May	0.17	5.6	166	64	54	62	47	6	351
136	16-May	0.00	5.6	224	71	57	69	54	12	362
137	17-May	0.00	5.6	152	70	62	79	63	21	383
138	18-May	0.08	5.7	247	68	59	79	52	16	399
139	19-May	0.00	5.7	250	64	54	58	37	4	403
140	20-May	0.00	5.7	176	60	51	53	30	2	404
141	21-May	0.00	5.7	310	68	51	58	36	4	408
142	22-May	0.00	5.7	350	71	54	74	36	12	420
143	23-May	0.00	5.7	299	72	57	72	45	11	431
144	24-May	0.00	5.7	69	65	59	80	54	17	448
145	25-May	1.15	6.8	171	69	59	66	54	10	458

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

Day of year	Precipitation		Daily Solar Radiation	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 oF)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches		W m-2		oF		oF		
146 26-May	0.20	7.0	90	67	61	78	60	19	477
147 27-May	0.95	8.0	238	72	61	80	56	18	495
148 28-May	0.08	8.1	311	77	62	77	56	17	512
149 29-May	0.11	8.2	195	75	65	83	61	22	534
150 30-May	1.60	9.8	109	68	59	81	45	16	549
151 31-May	0.45	10.2	351	71	54	65	37	8	557
152 1-Jun	0.00	10.2	365	74	56	61	38	6	562
153 2-Jun	0.00	10.2	357	76	57	65	39	8	570
154 3-Jun	0.00	10.2	278	74	62	72	52	12	582
155 4-Jun	0.07	10.3	109	69	65	75	61	18	600
156 5-Jun	0.00	10.3	191	71	63	73	58	16	615
157 6-Jun	0.00	10.3	337	77	60	70	47	10	625
158 7-Jun	0.22	10.5	212	75	65	74	60	17	642
159 8-Jun	0.45	11.0	284	77	65	81	47	16	658
160 9-Jun	0.23	11.2	305	81	64	78	55	17	674
161 10-Jun	0.00	11.2	324	81	68	87	63	25	699
162 11-Jun	0.00	11.2	52	71	64	78	56	17	716
163 12-Jun	1.22	12.4	254	75	62	64	55	10	725
164 13-Jun	0.00	12.4	76	68	64	71	56	14	739
165 14-Jun	0.07	12.5	231	77	64	68	60	14	753
166 15-Jun	0.00	12.5	133	75	67	80	56	18	771
167 16-Jun	0.00	12.5	201	81	69	76	59	17	788
168 17-Jun	0.00	12.5	141	81	67	79	50	15	802
169 18-Jun	0.00	12.5	117	79	70	78	61	20	822
170 19-Jun	0.03	12.5	173	83	67	78	50	14	836
171 20-Jun	0.00	12.5	82	75	68	73	53	13	849
172 21-Jun	0.07	12.6	156	83	67	74	59	17	865
173 22-Jun	0.00	12.6	85	77	68	82	50	16	881
174 23-Jun	1.10	13.7	180	81	65	82	55	19	900
175 24-Jun	0.00	13.7	153	84	66	76	53	15	914
176 25-Jun	0.00	13.7	124	82	70	80	61	21	935
177 26-Jun	0.30	14.0	97	77	68	80	57	19	953
178 27-Jun	0.05	14.0	173	82	65	74	54	14	967
179 28-Jun	0.00	14.0	60	73	67	78	55	17	984
180 29-Jun	0.33	14.4	105	79	67	80	54	17	1001
181 30-Jun	0.13	14.5	124	77	66	78	55	17	1017
182 1-Jul	0.00	14.5	151	76	62	73	44	12	1029
183 2-Jul	0.00	14.5	158	79	64	70	49	10	1039
184 3-Jul	0.00	14.5	141	79	65	72	48	11	1050
185 4-Jul	0.00	14.5	138	82	67	77	57	17	1067
186 5-Jul	0.00	14.5	148	84	69	82	61	22	1088
187 6-Jul	0.00	14.5	59	77	71	83	48	17	1105
188 7-Jul	0.08	14.6	126	76	67	81	54	18	1122
189 8-Jul	0.00	14.6	165	80	64	70	49	10	1132
190 9-Jul	0.00	14.6	166	83	67	73	49	12	1144
191 10-Jul	0.00	14.6	166	85	69	80	56	18	1162
192 11-Jul	0.00	14.6	103	80	71	84	59	22	1183
193 12-Jul	0.00	14.6	153	85	71	80	60	20	1203
194 13-Jul	0.76	15.3	110	83	72	85	63	24	1227
195 14-Jul	0.00	15.3	102	80	72	86	66	26	1253
196 15-Jul	0.00	15.3	178	82	66	75	46	13	1266
197 16-Jul	0.00	15.3	138	74	69	80	53	17	1282
198 17-Jul	0.15	15.5	273	85	70	72	62	17	1299
199 18-Jul	0.80	16.3	285	85	71	88	65	26	1325
200 19-Jul	0.00	16.3	331	85	72	88	63	25	1349

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

Day of year	<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature</u> at 2 inches		<u>Air</u> Temperature		<u>Growing Degree</u> Units (86/50 oF)		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m-2	oF		oF				
201	20-Jul	0.00	16.3	227	80	71	88	61	24	1373
202	21-Jul	0.02	16.3	317	82	68	81	53	17	1390
203	22-Jul	0.00	16.3	285	84	69	78	56	17	1407
204	23-Jul	0.00	16.3	328	87	71	82	58	20	1427
205	24-Jul	0.00	16.3	235	84	73	85	61	23	1450
206	25-Jul	0.00	16.3	312	89	74	81	64	23	1472
207	26-Jul	0.00	16.3	227	84	74	86	61	24	1496
208	27-Jul	0.00	16.3	288	87	72	85	56	21	1516
209	28-Jul	0.00	16.3	173	82	75	88	65	26	1542
210	29-Jul	0.00	16.3	320	89	75	84	69	27	1568
211	30-Jul	0.00	16.3	304	88	74	85	61	23	1591
212	31-Jul	0.00	16.3	305	87	74	86	60	23	1614
213	1-Aug	0.00	16.3	294	87	73	86	59	23	1637
214	2-Aug	0.00	16.3	261	89	76	84	53	19	1655
215	3-Aug	0.00	16.3	305	86	74	92	53	20	1675
216	4-Aug	0.00	16.3	266	84	73	80	52	16	1691
217	5-Aug	0.00	16.3	283	85	73	78	56	17	1708
218	6-Aug	0.00	16.3	246	85	74	81	58	20	1727
219	7-Aug	0.00	16.3	53	79	71	81	63	22	1749
220	8-Aug	0.93	17.2	103	75	70	75	61	18	1767
221	9-Aug	0.00	17.2	228	83	69	73	61	17	1784
222	10-Aug	0.16	17.4	235	82	73	83	61	22	1806
223	11-Aug	0.00	17.4	281	83	68	81	55	18	1824
224	12-Aug	0.00	17.4	293	85	67	79	51	15	1839
225	13-Aug	0.00	17.4	228	85	72	83	64	24	1863
226	14-Aug	0.00	17.4	268	90	74	85	68	27	1889
227	15-Aug	0.00	17.4	288	91	75	92	62	24	1913
228	16-Aug	0.00	17.4	273	91	77	91	68	27	1940
229	17-Aug	0.00	17.4	95	81	76	92	67	27	1967
230	18-Aug	0.03	17.4	102	80	73	92	62	24	1991
231	19-Aug	0.76	18.2	99	73	69	76	64	20	2011
232	20-Aug	0.09	18.3	141	71	65	68	55	12	2022
233	21-Aug	0.03	18.3	238	77	62	66	49	8	2030
234	22-Aug	0.00	18.3	278	80	66	81	59	20	2050
235	23-Aug	0.23	18.5	109	71	65	70	57	14	2064
236	24-Aug	0.00	18.5	126	67	62	65	52	9	2072
237	25-Aug	0.00	18.5	78	65	61	62	53	8	2080
238	26-Aug	0.00	18.5	254	76	62	59	54	7	2086
239	27-Aug	0.00	18.5	240	77	61	73	48	12	2098
240	28-Aug	0.00	18.5	59	68	64	76	57	17	2114
241	29-Aug	0.91	19.4	84	70	63	66	56	11	2125
242	30-Aug	0.00	19.4	209	75	62	68	52	10	2135
243	31-Aug	0.00	19.4	168	77	65	76	58	17	2152
244	1-Sep	0.00	19.4	213	81	68	80	52	16	2168
245	2-Sep	0.00	19.4	221	83	71	88	60	23	2191
246	3-Sep	0.01	19.5	218	84	72	87	66	26	2217
247	4-Sep	0.00	19.5	191	83	71	81	62	22	2239
248	5-Sep	0.00	19.5	210	84	72	80	63	22	2260
249	6-Sep	0.00	19.5	215	86	74	86	69	28	2288
250	7-Sep	0.75	20.2	98	79	73	91	67	27	2314
251	8-Sep	1.15	21.4	120	76	69	91	63	25	2339
252	9-Sep	1.25	22.6	239	78	63	76	49	13	2352
253	10-Sep	0.25	22.9	168	75	66	77	57	17	2369
254	11-Sep	0.01	22.9	134	67	61	71	47	11	2379
255	12-Sep	0.00	22.9	213	69	57	61	40	6	2385

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

Day of year	Precipitation		Daily Solar Radiation	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 oF)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches		W m-2		oF		oF		
256 13-Sep	0.00	22.9	243	73	56	65	41	8	2392
257 14-Sep	0.00	22.9	232	76	59	71	40	11	2403
258 15-Sep	0.00	22.9	223	79	65	77	57	17	2420
259 16-Sep	0.05	22.9	211	78	65	84	62	23	2443
260 17-Sep	0.00	22.9	111	74	67	83	63	23	2466
261 18-Sep	0.63	23.5	155	74	66	79	61	20	2486
262 19-Sep	0.48	24.0	229	72	62	72	48	11	2497
263 20-Sep	0.00	24.0	220	72	58	69	44	10	2506
264 21-Sep	0.00	24.0	226	73	59	72	44	11	2517
265 22-Sep	0.00	24.0	132	72	61	73	53	13	2530
266 23-Sep	0.00	24.0	164	75	64	77	58	18	2548
267 24-Sep	0.00	24.0	151	74	64	76	57	17	2564
268 25-Sep	0.00	24.0	173	75	64	75	58	17	2581
269 26-Sep	0.00	24.0	196	76	64	76	58	17	2598
270 27-Sep	0.00	24.0	172	75	64	75	54	15	2612
271 28-Sep	0.00	24.0	152	75	65	76	58	17	2629
272 29-Sep	0.20	24.2	172	70	59	82	53	18	2647
273 30-Sep	0.00	24.2	204	67	54	63	33	7	2653
274 1-Oct	0.00	24.2	171	64	53	61	38	6	2659
275 2-Oct	0.00	24.2	196	64	52	62	33	6	2665
276 3-Oct	0.00	24.2	177	63	52	60	41	5	2670
277 4-Oct	0.00	24.2	43	58	54	56	41	3	2673
278 5-Oct	0.00	24.2	47	60	55	58	45	4	2677
279 6-Oct	0.00	24.2	108	64	54	60	41	5	2682
280 7-Oct	0.00	24.2	180	64	53	69	42	10	2691
281 8-Oct	0.00	24.2	70	62	55	63	46	7	2698
282 9-Oct	1.00	25.2	134	62	54	70	49	10	2708
283 10-Oct	0.00	25.2	165	61	50	60	36	5	2713
284 11-Oct	0.00	25.2	176	66	53	64	53	9	2721
285 12-Oct	0.00	25.2	106	64	55	80	36	15	2736
286 13-Oct	0.08	25.3	75	57	50	68	46	9	2745
287 14-Oct	0.01	25.3	173	59	46	52	32	1	2746
288 15-Oct	0.00	25.3	---	---	---	65	40	8	2754
289 16-Oct	0.00	25.3	---	---	---	61	34	6	2759
290 17-Oct	0.00	25.3	---	---	---	46	25	0	2759
291 18-Oct	0.00	25.3	---	---	---	49	24	0	2759
292 19-Oct	0.00	25.3	---	---	---	54	24	2	2761
293 20-Oct	0.00	25.3	---	---	---	71	50	11	2772
294 21-Oct	0.00	25.3	---	---	---	71	49	11	2782
295 22-Oct	0.00	25.3	---	---	---	71	34	11	2793
296 23-Oct	0.00	25.3	---	---	---	62	38	6	2799
297 24-Oct	0.38	25.7	---	---	---	54	41	2	2801
298 25-Oct	0.42	26.1	---	---	---	60	32	5	2806
299 26-Oct	0.04	26.2	---	---	---	58	40	4	2810
300 27-Oct	0.00	26.2	---	---	---	57	44	4	2813
301 28-Oct	0.80	27.0	---	---	---	59	35	5	2818
302 29-Oct	0.37	27.3	---	---	---	60	32	5	2823
303 30-Oct	0.02	27.3	---	---	---	45	37	0	2823
304 31-Oct	0.08	27.4	---	---	---	46	41	0	2823

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
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
2013	1.2	1.1	1.7	3.9	5.0	5.3	1.6	1.9	2.1	2.4	3.1	0.8	30.0
2014	1.1	0.9	1.1	8.9	2.2	6.8	1.7	6.5	4.3	2.9	1.6	1.0	39.0
30-year Average	1.0	0.9	1.8	3.3	4.0	4.7	4.2	3.7	3.4	2.5	2.0	1.1	32.6

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

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
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
2013	19	17	24	38	58	64	71	69	62	47	32	14	43
2014	9	7	22	41	56	69	66	69	60	46	26	25	41
30-year Average	17	20	32	46	58	67	71	69	61	48	34	21	45