

2014 Weather Summary for Hancock, WI

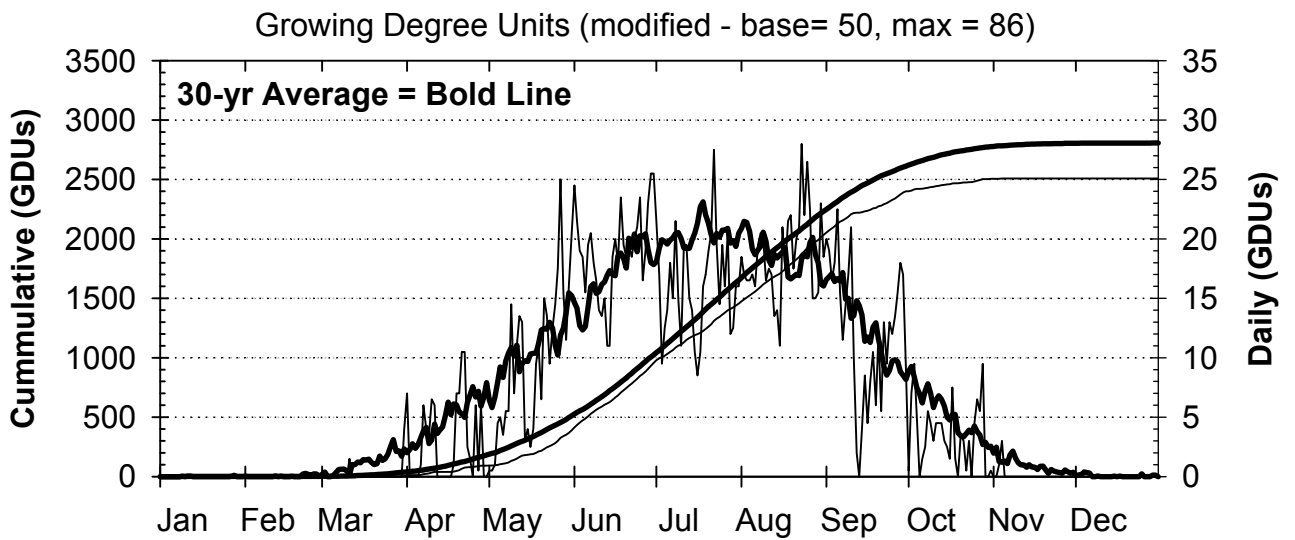
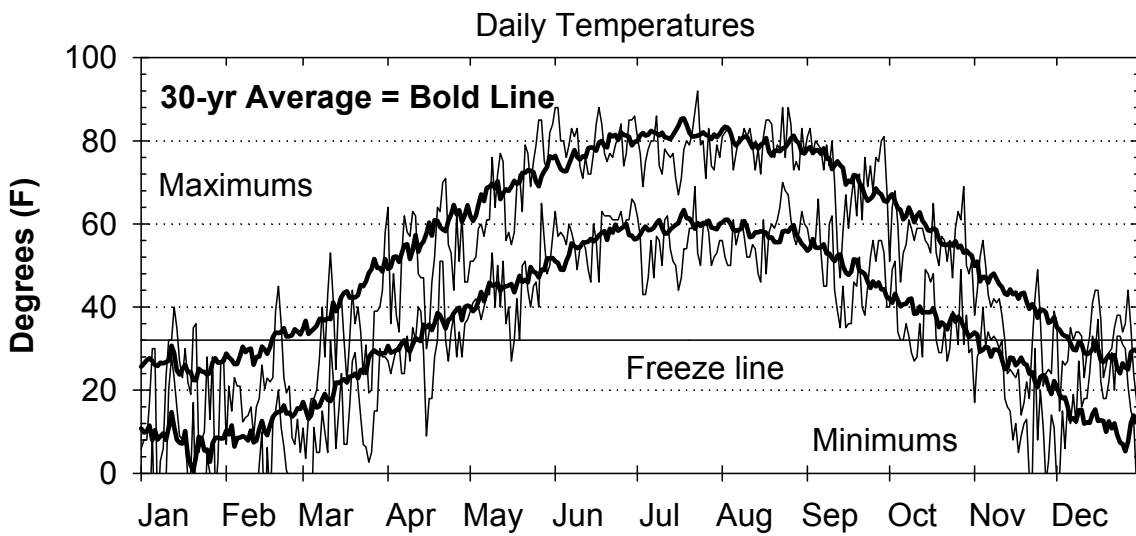
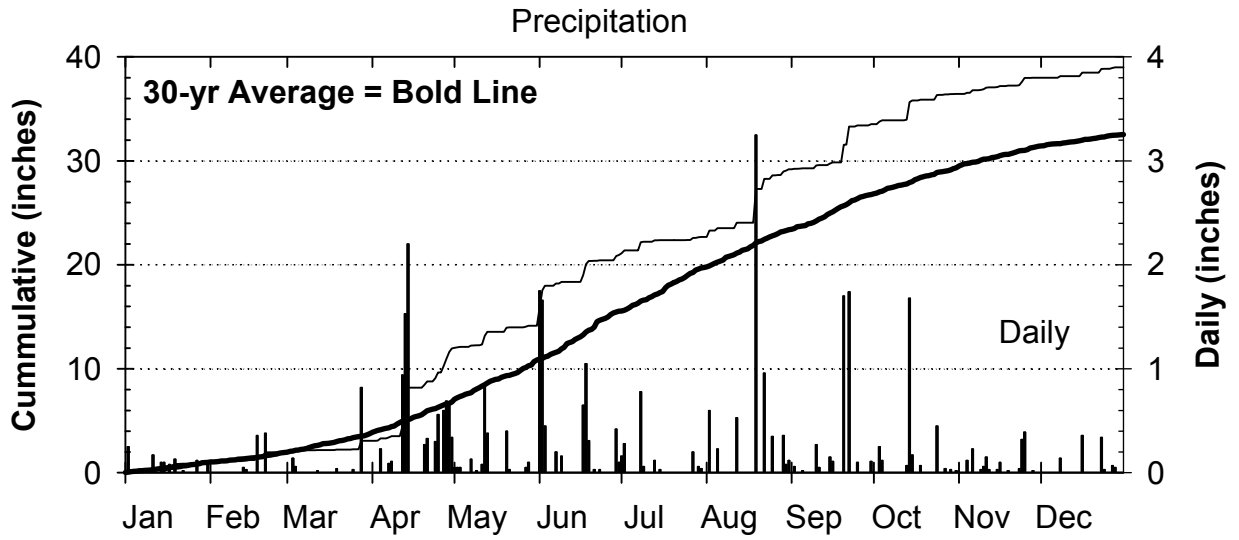


Table A-4. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Hancock Research Station.

Day of year	<u>Precipitation</u>		Daily Solar Radiation	<u>Soil Temperature at 2 inches</u>		<u>Air Temperature</u>		<u>Growing Degree Units (86/50 °F)</u>		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m ⁻²	°F		°F				
91	1-Apr	0.00	3.1	125	34	32	64	27	7	13
92	2-Apr	0.00	3.1	260	39	32	36	24	0	13
93	3-Apr	0.01	3.1	79	36	32	48	27	0	13
94	4-Apr	0.23	3.3	65	35	32	38	30	0	13
95	5-Apr	0.00	3.3	270	44	32	34	31	0	13
96	6-Apr	0.00	3.3	214	48	33	52	24	1	14
97	7-Apr	0.09	3.4	107	48	38	62	24	6	20
98	8-Apr	0.11	3.5	254	51	38	58	33	4	24
99	9-Apr	0.00	3.5	253	52	37	57	27	4	27
100	10-Apr	0.00	3.5	227	55	44	63	35	7	34
101	11-Apr	0.00	3.5	164	51	40	62	32	6	40
102	12-Apr	0.94	4.5	12	45	42	48	40	0	40
103	13-Apr	1.53	6.0	46	45	41	47	39	0	40
104	14-Apr	2.20	8.2	150	42	37	47	29	0	40
105	15-Apr	0.00	8.2	270	37	35	30	9	0	40
106	16-Apr	0.00	8.2	155	38	34	34	18	0	40
107	17-Apr	0.00	8.2	154	46	36	46	18	0	40
108	18-Apr	0.00	8.2	303	53	37	52	28	1	41
109	19-Apr	0.00	8.2	280	55	39	64	32	7	48
110	20-Apr	0.27	8.5	56	52	47	63	51	7	55
111	21-Apr	0.33	8.8	170	58	48	70	51	11	65
112	22-Apr	0.00	8.8	306	58	45	71	32	11	76
113	23-Apr	0.00	8.8	218	55	42	55	27	3	78
114	24-Apr	0.30	9.1	36	48	44	53	34	2	80
115	25-Apr	0.56	9.7	234	54	43	44	38	0	80
116	26-Apr	0.00	9.7	296	57	42	62	28	6	86
117	27-Apr	0.60	10.3	73	49	44	51	34	1	86
118	28-Apr	0.69	10.9	96	47	43	62	28	6	92
119	29-Apr	0.68	11.6	50	45	42	46	36	0	92
120	30-Apr	0.34	12.0	70	49	44	46	37	0	92
121	1-May	0.05	12.0	109	51	44	51	39	1	93
122	2-May	0.05	12.1	105	50	45	51	41	1	93
123	3-May	0.05	12.1	290	57	44	52	42	1	94
124	4-May	0.00	12.1	325	61	45	59	40	5	99
125	5-May	0.00	12.1	262	62	49	60	37	5	104
126	6-May	0.00	12.1	300	63	48	57	40	4	107
127	7-May	0.13	12.2	137	57	51	61	43	6	113
128	8-May	0.01	12.3	156	61	50	61	43	6	118
129	9-May	0.02	12.3	125	60	53	76	53	15	133
130	10-May	0.00	12.3	313	66	49	64	40	7	140
131	11-May	0.08	12.4	192	65	56	72	50	11	151
132	12-May	0.83	13.2	128	66	58	77	40	14	164
133	13-May	0.38	13.6	111	63	54	75	51	13	177
134	14-May	0.00	13.6	279	63	50	56	36	3	180
135	15-May	0.00	13.6	193	60	52	58	40	4	184
136	16-May	0.00	13.6	196	56	47	55	27	3	187
137	17-May	0.00	13.6	259	60	47	58	32	4	191
138	18-May	0.00	13.6	322	66	50	69	42	10	200
139	19-May	0.00	13.6	104	58	54	72	32	11	211
140	20-May	0.40	14.0	265	68	53	63	50	7	218
141	21-May	0.03	14.0	340	72	57	79	51	15	233
142	22-May	0.00	14.0	299	69	57	77	44	14	246
143	23-May	0.00	14.0	356	73	56	69	40	10	256
144	24-May	0.00	14.0	327	74	58	75	45	13	268

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 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			
145 25-May	0.00	14.0	342	75	59	79	46	15	283
146 26-May	0.00	14.0	202	73	65	85	40	18	300
147 27-May	0.05	14.0	144	72	66	85	65	25	325
148 28-May	0.10	14.1	256	74	62	75	56	16	341
149 29-May	0.00	14.1	362	78	60	73	48	12	352
150 30-May	0.00	14.1	354	80	63	82	50	16	368
151 31-May	0.00	14.1	347	81	65	84	57	21	389
152 1-Jun	1.75	15.9	129	75	68	88	63	25	413
153 2-Jun	1.66	17.6	172	74	67	88	57	22	435
154 3-Jun	0.45	18.0	338	78	64	80	58	19	454
155 4-Jun	0.00	18.0	257	78	66	80	57	19	472
156 5-Jun	0.00	18.0	278	78	65	76	55	16	488
157 6-Jun	0.00	18.0	292	81	67	79	60	20	507
158 7-Jun	0.20	18.2	182	75	67	83	58	21	528
159 8-Jun	0.00	18.2	354	80	64	81	55	18	546
160 9-Jun	0.16	18.4	295	79	64	83	49	17	562
161 10-Jun	0.00	18.4	204	73	65	74	54	14	576
162 11-Jun	0.00	18.4	264	78	65	71	56	14	590
163 12-Jun	0.00	18.4	268	78	65	76	54	15	605
164 13-Jun	0.00	18.4	370	80	65	72	49	11	616
165 14-Jun	0.00	18.4	257	78	64	72	46	11	627
166 15-Jun	0.00	18.4	233	77	67	77	60	19	645
167 16-Jun	0.00	18.4	312	83	66	84	56	20	665
168 17-Jun	0.65	19.0	290	83	69	88	46	18	683
169 18-Jun	1.05	20.1	195	78	69	84	63	24	707
170 19-Jun	0.31	20.4	159	76	69	77	62	20	726
171 20-Jun	0.00	20.4	177	77	69	75	62	19	745
172 21-Jun	0.03	20.4	119	73	69	77	62	20	764
173 22-Jun	0.00	20.4	219	80	69	76	61	19	783
174 23-Jun	0.03	20.4	240	81	71	79	61	20	803
175 24-Jun	0.00	20.4	328	85	70	81	61	21	824
176 25-Jun	0.00	20.4	156	78	73	84	63	24	847
177 26-Jun	0.00	20.4	304	83	70	74	59	17	864
178 27-Jun	0.00	20.4	253	83	71	77	61	19	883
179 28-Jun	0.00	20.4	293	86	74	85	61	23	906
180 29-Jun	0.42	20.9	272	87	74	85	66	26	931
181 30-Jun	0.10	21.0	127	80	72	86	65	26	957
182 1-Jul	0.16	21.1	253	81	69	81	62	22	978
183 2-Jul	0.28	21.4	160	73	67	77	57	17	995
184 3-Jul	0.00	21.4	311	79	61	69	43	10	1005
185 4-Jul	0.00	21.4	362	84	64	75	43	13	1017
186 5-Jul	0.00	21.4	282	84	68	78	47	14	1031
187 6-Jul	0.00	21.4	96	76	72	80	56	18	1049
188 7-Jul	0.00	21.4	274	86	69	80	47	15	1064
189 8-Jul	0.78	22.2	214	80	70	86	57	22	1086
190 9-Jul	0.06	22.2	298	78	68	74	56	15	1101
191 10-Jul	0.00	22.2	305	82	65	72	50	11	1112
192 11-Jul	0.00	22.2	239	80	70	78	61	20	1131
193 12-Jul	0.00	22.2	127	77	71	77	62	20	1151
194 13-Jul	0.12	22.4	293	82	69	76	54	15	1166
195 14-Jul	0.00	22.4	228	76	66	77	51	14	1180
196 15-Jul	0.03	22.4	185	72	64	71	50	11	1190
197 16-Jul	0.00	22.4	292	77	61	67	44	9	1199
198 17-Jul	0.00	22.4	332	82	63	71	47	11	1209

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 °F)		
	Daily	Total		Max	Min	Max	Min	Daily	Total	
	inches		W m ⁻²	°F		°F				
199	18-Jul	0.00	22.4	261	81	67	78	54	16	1225
200	19-Jul	0.00	22.4	224	79	69	80	54	17	1242
201	20-Jul	0.00	22.4	269	83	69	79	59	19	1261
202	21-Jul	0.00	22.4	271	86	71	82	59	21	1282
203	22-Jul	0.00	22.4	260	86	75	87	69	28	1309
204	23-Jul	0.00	22.4	290	83	72	92	53	20	1329
205	24-Jul	0.00	22.4	329	86	70	79	50	15	1343
206	25-Jul	0.01	22.4	115	77	72	80	59	20	1363
207	26-Jul	0.00	22.4	195	80	71	71	61	16	1379
208	27-Jul	0.20	22.6	226	77	68	83	58	21	1399
209	28-Jul	0.00	22.6	243	77	64	74	50	12	1411
210	29-Jul	0.06	22.7	245	81	66	73	52	13	1424
211	30-Jul	0.04	22.7	298	83	66	79	53	16	1440
212	31-Jul	0.00	22.7	282	83	68	76	56	16	1456
213	1-Aug	0.00	22.7	148	79	67	81	56	19	1474
214	2-Aug	0.60	23.3	285	82	64	82	52	17	1491
215	3-Aug	0.00	23.3	202	80	69	83	50	17	1508
216	4-Aug	0.01	23.3	92	74	69	83	50	17	1524
217	5-Aug	0.23	23.5	260	79	67	73	61	17	1541
218	6-Aug	0.00	23.5	306	84	66	77	55	16	1557
219	7-Aug	0.00	23.5	302	85	69	81	58	20	1577
220	8-Aug	0.00	23.5	292	86	69	80	61	21	1597
221	9-Aug	0.00	23.5	257	83	70	83	57	20	1617
222	10-Aug	0.00	23.5	228	82	69	81	52	17	1634
223	11-Aug	0.00	23.5	131	79	70	83	52	18	1651
224	12-Aug	0.53	24.1	258	77	66	79	55	17	1668
225	13-Aug	0.00	24.1	286	81	65	73	54	14	1682
226	14-Aug	0.00	24.1	298	81	65	78	48	14	1696
227	15-Aug	0.00	24.1	276	81	64	72	46	11	1707
228	16-Aug	0.00	24.1	213	83	70	81	61	21	1728
229	17-Aug	0.00	24.1	206	81	72	85	48	18	1745
230	18-Aug	0.00	24.1	143	79	68	85	58	22	1767
231	19-Aug	3.25	27.3	163	76	67	84	60	22	1789
232	20-Aug	0.00	27.3	244	81	67	76	59	18	1806
233	21-Aug	0.00	27.3	110	76	69	79	61	20	1826
234	22-Aug	0.96	28.3	206	84	71	78	64	21	1847
235	23-Aug	0.00	28.3	51	76	73	88	70	28	1875
236	24-Aug	0.00	28.3	164	81	71	76	68	22	1897
237	25-Aug	0.35	28.6	187	82	72	88	67	27	1924
238	26-Aug	0.00	28.6	247	81	71	84	61	23	1946
239	27-Aug	0.01	28.6	250	81	69	73	57	15	1961
240	28-Aug	0.00	28.6	158	77	68	75	55	15	1976
241	29-Aug	0.36	29.0	168	79	68	73	58	16	1992
242	30-Aug	0.08	29.1	141	78	70	83	63	23	2015
243	31-Aug	0.12	29.2	223	81	68	77	60	19	2033
244	1-Sep	0.00	29.2	108	75	69	81	59	20	2053
245	2-Sep	0.06	29.3	238	78	65	83	55	19	2072
246	3-Sep	0.00	29.3	255	80	65	77	56	17	2089
247	4-Sep	0.01	29.3	96	76	71	80	56	18	2107
248	5-Sep	0.02	29.3	156	75	68	79	66	23	2129
249	6-Sep	0.00	29.3	258	77	62	78	53	16	2145
250	7-Sep	0.00	29.3	247	77	63	73	45	12	2156
251	8-Sep	0.00	29.3	178	74	65	79	45	15	2171
252	9-Sep	0.00	29.3	211	78	67	74	60	17	2188

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 °F)	
	Daily	Total		Max	Min	Max	Min	Daily	Total
	inches		W m ⁻²	°F		°F			
253 10-Sep	0.27	29.6	47	72	61	80	62	21	2209
254 11-Sep	0.05	29.6	109	64	59	70	44	10	2219
255 12-Sep	0.00	29.6	56	59	56	54	39	2	2221
256 13-Sep	0.00	29.6	226	64	53	47	35	0	2221
257 14-Sep	0.00	29.6	203	67	55	58	45	4	2225
258 15-Sep	0.15	29.8	95	63	56	67	35	9	2233
259 16-Sep	0.11	29.9	237	65	51	59	36	5	2238
260 17-Sep	0.00	29.9	196	67	53	66	36	8	2246
261 18-Sep	0.00	29.9	134	64	57	71	46	11	2256
262 19-Sep	0.00	29.9	200	68	57	62	45	6	2262
263 20-Sep	1.70	31.6	126	69	62	72	52	12	2274
264 21-Sep	0.01	31.6	164	65	57	61	40	6	2280
265 22-Sep	1.74	33.3	212	65	53	76	38	13	2293
266 23-Sep	0.00	33.3	217	68	55	69	45	10	2302
267 24-Sep	0.00	33.3	110	65	57	74	52	13	2315
268 25-Sep	0.10	33.4	198	70	60	68	56	12	2327
269 26-Sep	0.00	33.4	208	70	58	76	51	14	2341
270 27-Sep	0.00	33.4	194	71	60	75	56	16	2356
271 28-Sep	0.00	33.4	196	71	61	80	56	18	2374
272 29-Sep	0.00	33.4	64	65	59	81	53	17	2391
273 30-Sep	0.11	33.5	96	61	56	68	40	9	2400
274 1-Oct	0.01	33.5	108	63	57	51	40	1	2401
275 2-Oct	0.00	33.5	78	65	60	64	49	7	2408
276 3-Oct	0.25	33.8	53	63	53	68	51	10	2417
277 4-Oct	0.12	33.9	48	53	51	60	34	5	2422
278 5-Oct	0.00	33.9	137	55	48	46	32	0	2422
279 6-Oct	0.00	33.9	183	56	47	53	32	2	2424
280 7-Oct	0.00	33.9	140	57	50	55	36	3	2426
281 8-Oct	0.00	33.9	187	57	47	61	33	6	2432
282 9-Oct	0.00	33.9	189	55	45	59	29	5	2436
283 10-Oct	0.00	33.9	181	55	44	56	27	3	2439
284 11-Oct	0.00	33.9	186	55	45	59	28	5	2444
285 12-Oct	0.00	33.9	149	55	46	59	36	5	2448
286 13-Oct	0.07	34.0	41	56	52	59	28	5	2453
287 14-Oct	1.68	35.7	18	54	52	56	49	3	2456
288 15-Oct	0.17	35.8	35	54	51	55	48	3	2458
289 16-Oct	0.00	35.8	145	59	51	53	46	2	2460
290 17-Oct	0.00	35.8	22	53	50	65	48	8	2467
291 18-Oct	0.07	35.9	133	53	46	53	32	2	2469
292 19-Oct	0.00	35.9	109	52	43	50	29	0	2469
293 20-Oct	0.00	35.9	73	51	46	57	29	4	2472
294 21-Oct	0.00	35.9	100	52	45	56	35	3	2475
295 22-Oct	0.00	35.9	162	51	41	51	27	1	2476
296 23-Oct	0.00	35.9	21	48	44	56	30	3	2479
297 24-Oct	0.45	36.3	92	55	48	47	39	0	2479
298 25-Oct	0.01	36.4	153	55	48	59	38	5	2483
299 26-Oct	0.00	36.4	151	52	43	63	31	7	2490
300 27-Oct	0.04	36.4	99	56	48	61	49	6	2495
301 28-Oct	0.00	36.4	71	54	48	69	31	10	2505
302 29-Oct	0.03	36.4	80	50	44	50	38	0	2505
303 30-Oct	0.00	36.4	75	49	42	48	29	0	2505
304 31-Oct	0.02	36.4	100	46	39	51	30	1	2505

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 (°F) 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