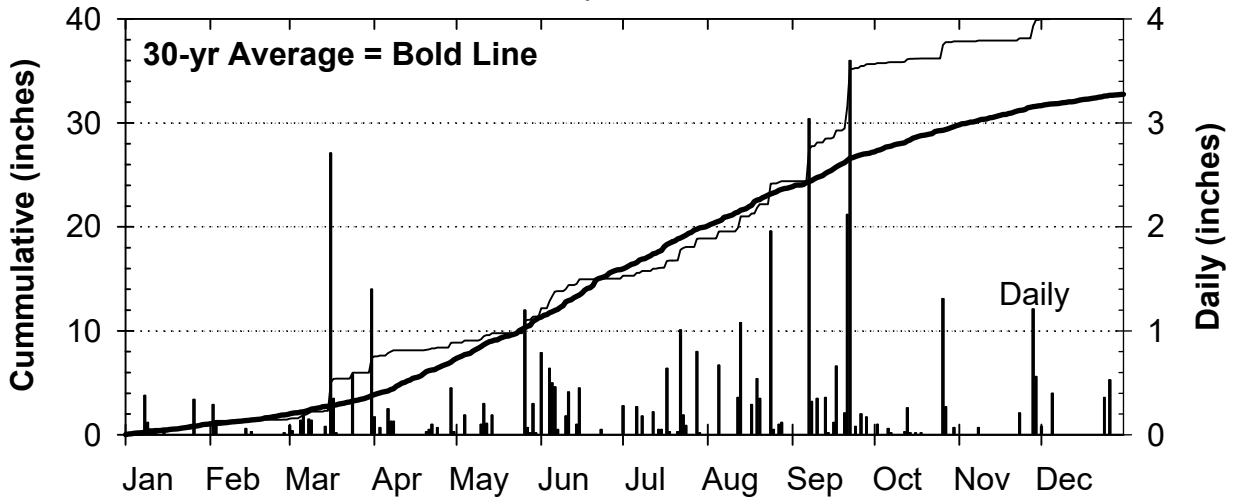
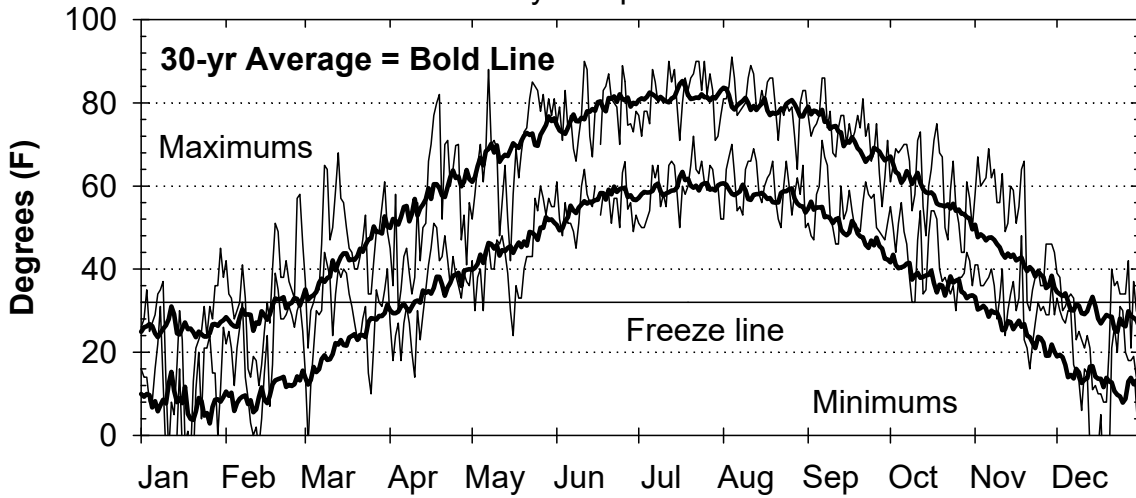


### 2016 Weather Summary for Hancock, WI

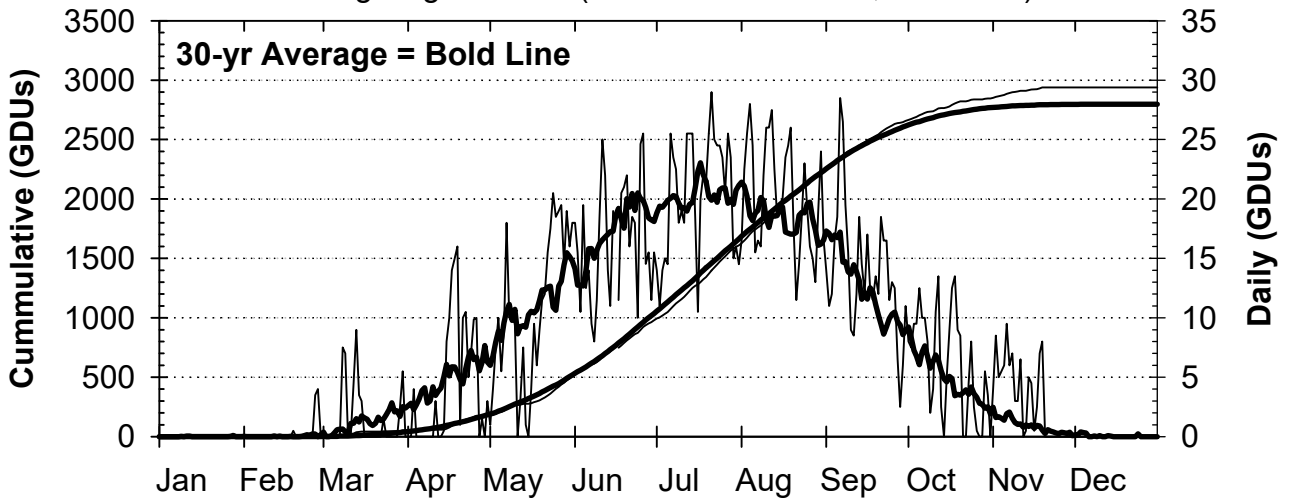
Precipitation



Daily Temperatures



Growing Degree Units (modified - base= 50, max = 86)



Source: Midwest Region Climatological Center.

**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				
92	1-Apr	0.17	7.6	154	51	32	45	27	0	52
93	2-Apr	0.00	7.6	179	35	32	36	18	0	52
94	3-Apr	0.07	7.6	158	53	32	58	24	4	56
95	4-Apr	0.00	7.6	128	47	32	30	27	0	56
96	5-Apr	0.00	7.6	172	51	30	35	18	0	56
97	6-Apr	0.25	7.9	71	51	33	43	27	0	56
98	7-Apr	0.13	8.0	95	44	33	45	31	0	56
99	8-Apr	0.13	8.1	132	42	32	39	27	0	56
100	9-Apr	0.01	8.1	251	54	31	34	20	0	56
101	10-Apr	0.00	8.1	132	54	33	38	14	0	56
102	11-Apr	0.00	8.1	180	53	34	56	30	3	59
103	12-Apr	0.00	8.1	263	63	31	42	23	0	59
104	13-Apr	0.00	8.1	122	59	37	50	29	0	59
105	14-Apr	0.00	8.1	259	68	36	51	35	1	60
106	15-Apr	0.00	8.1	270	72	40	66	41	8	68
107	16-Apr	0.00	8.1	238	74	44	70	45	10	78
108	17-Apr	0.00	8.1	232	77	48	77	51	14	92
109	18-Apr	0.00	8.1	220	78	51	80	50	15	107
110	19-Apr	0.00	8.1	82	60	51	82	42	16	123
111	20-Apr	0.03	8.2	212	73	48	52	43	1	124
112	21-Apr	0.05	8.2	168	76	52	70	48	10	134
113	22-Apr	0.10	8.3	198	73	49	71	42	11	144
114	23-Apr	0.00	8.3	242	74	43	60	36	5	149
115	24-Apr	0.07	8.4	70	61	49	64	43	7	156
116	25-Apr	0.00	8.4	179	76	47	70	39	10	166
117	26-Apr	0.00	8.4	84	57	43	70	36	10	176
118	27-Apr	0.00	8.4	183	63	40	47	33	0	176
119	28-Apr	0.01	8.4	53	50	42	53	39	2	177
120	29-Apr	0.45	8.9	193	64	41	41	37	0	177
121	30-Apr	0.03	8.9	91	55	41	56	36	3	180
122	1-May	0.00	8.9	161	66	43	52	42	1	181
123	2-May	0.00	8.9	271	76	39	58	30	4	185
124	3-May	0.00	8.9	214	72	44	65	38	8	193
125	4-May	0.19	9.1	283	70	43	70	40	10	203
126	5-May	0.00	9.1	298	76	41	61	30	6	208
127	6-May	0.00	9.1	254	81	51	68	42	9	217
128	7-May	0.01	9.1	279	78	55	88	46	18	235
129	8-May	0.00	9.1	298	79	50	70	40	10	245
130	9-May	0.00	9.1	233	76	52	71	40	11	256
131	10-May	0.10	9.2	44	60	51	69	47	10	265
132	11-May	0.30	9.5	70	63	51	48	46	0	265
133	12-May	0.11	9.6	170	72	52	56	48	3	268
134	13-May	0.00	9.6	94	59	45	65	44	8	276
135	14-May	0.19	9.8	149	56	38	52	39	1	277
136	15-May	0.00	9.8	231	62	35	42	30	0	277
137	16-May	0.00	9.8	290	75	44	58	24	4	281
138	17-May	0.00	9.8	299	76	46	69	36	10	290
139	18-May	0.00	9.8	319	79	46	62	33	6	296
140	19-May	0.00	9.8	300	81	50	68	33	9	305
141	20-May	0.00	9.8	302	82	52	73	40	12	317
142	21-May	0.00	9.8	297	84	54	74	43	12	329
143	22-May	0.00	9.8	307	88	56	81	43	16	344
144	23-May	0.00	9.8	297	89	60	85	43	18	362
145	24-May	0.00	9.8	196	87	62	84	57	21	382
146	25-May	0.00	9.8	184	88	60	83	54	19	401
147	26-May	1.20	11.0	232	87	60	78	60	19	420
148	27-May	0.07	11.1	135	80	61	82	57	20	439
149	28-May	0.02	11.1	173	85	66	76	53	15	454

**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 <sup>-2</sup>	Soil Temperature at 2 inches		Air Temperature		Growing Degree Units (86/50 oF)	
	Daily inches	Total		Max	Min oF	Max	Min oF	Daily	Total
150 29-May	0.30	11.4	197	81	62	81	57	19	473
151 30-May	0.02	11.4	319	92	59	77	55	16	489
152 31-May	0.00	11.4	192	88	64	81	55	18	507
153 1-Jun	0.79	12.2	269	89	64	75	61	18	525
154 2-Jun	0.00	12.2	244	85	59	79	52	16	540
155 3-Jun	0.00	12.2	284	91	57	71	48	11	551
156 4-Jun	0.64	12.8	174	85	62	83	56	20	570
157 5-Jun	0.50	13.3	266	87	60	74	51	13	583
158 6-Jun	0.46	13.8	227	78	58	77	51	14	597
159 7-Jun	0.05	13.8	211	78	55	69	49	10	606
160 8-Jun	0.00	13.8	334	87	53	66	45	8	614
161 9-Jun	0.00	13.8	217	87	60	72	51	12	626
162 10-Jun	0.18	14.0				77	60	19	644
163 11-Jun	0.41	14.4				90	64	25	669
164 12-Jun	0.00	14.4				88	58	22	691
165 13-Jun	0.00	14.4				72	56	14	705
166 14-Jun	0.10	14.5				67	55	11	716
167 15-Jun	0.45	15.0				78	60	19	735
168 16-Jun	0.00	15.0							735
169 17-Jun	0.00	15.0				70	53	12	747
170 18-Jun	0.00	15.0				83	58	21	767
171 19-Jun	0.00	15.0	260	96	76	84	58	21	788
172 20-Jun	0.00	15.0	305	96	70	87	58	22	810
173 21-Jun	0.00	15.0	312	95	64	81	51	16	826
174 22-Jun	0.00	15.0	192	95	67	80	57	19	845
175 23-Jun	0.05	15.0	104	77	64	79	57	18	863
176 24-Jun	0.00	15.0	322	98	59	70	50	10	873
177 25-Jun	0.00	15.0	284	103	69	89	63	25	897
178 26-Jun	0.00	15.0	305	94	70	85	66	26	923
179 27-Jun	0.00	15.0	263	91	69	75	54	15	938
180 28-Jun	0.00	15.0	329	92	68	75	56	16	953
181 29-Jun	0.00	15.0	308	93	64	73	49	12	965
182 30-Jun	0.00	15.0	153	86	64	78	53	16	980
183 1-Jul	0.28	15.3	322	89	60	77	51	14	994
184 2-Jul	0.00	15.3	304	93	61	72	50	11	1005
185 3-Jul	0.00	15.3	265	90	63	78	50	14	1019
186 4-Jul	0.00	15.3	184	84	63	78	52	15	1034
187 5-Jul	0.00	15.3	278	101	68	75	54	15	1049
188 6-Jul	0.27	15.6	272	94	71	88	65	26	1074
189 7-Jul	0.01	15.6	165	86	70	85	62	24	1098
190 8-Jul	0.18	15.8	249	94	69	80	65	23	1120
191 9-Jul	0.00	15.8	321	96	65	81	55	18	1138
192 10-Jul	0.00	15.8	161	83	68	80	58	19	1157
193 11-Jul	0.00	15.8	284	102	70	81	55	18	1175
194 12-Jul	0.22	16.0	263	98	73	90	65	26	1201
195 13-Jul	0.00	16.0	260	99	71	85	66	26	1226
196 14-Jul	0.05	16.0	178	90	69	88	65	26	1252
197 15-Jul	0.05	16.1	178	82	64	79	58	19	1270
198 16-Jul	0.00	16.1	225	90	60	71	50	11	1281
199 17-Jul	0.64	16.7	191	87	65	80	60	20	1301
200 18-Jul	0.03	16.8	305	94	66	86	58	22	1323
201 19-Jul	0.00	16.8	283	95	70	83	60	22	1344
202 20-Jul	0.00	16.8	211	91	73	86	65	26	1370
203 21-Jul	0.03	16.8	132	92	70	87	72	29	1399
204 22-Jul	1.01	17.8	302	96	70	90	64	25	1424
205 23-Jul	0.19	18.0	115	85	71	90	63	25	1448
206 24-Jul	0.09	18.1	168	89	73	83	66	25	1473
207 25-Jul	0.00	18.1	305	94	69	90	61	24	1496

**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				
208	26-Jul	0.00	18.1	289	95	69	82	59	21	1517
209	27-Jul	0.00	18.1	166	90	67	87	65	26	1542
210	28-Jul	0.80	18.9	108	77	69	83	64	24	1566
211	29-Jul	0.02	18.9	102	77	66	71	59	15	1581
212	30-Jul	0.00	18.9	230	85	67	72	60	16	1597
213	31-Jul	0.00	18.9	299	91	64	77	52	15	1611
214	1-Aug	0.00	18.9	276	92	69	81	52	17	1628
215	2-Aug	0.00	18.9	231	91	71	81	64	23	1650
216	3-Aug	0.00	18.9	265	98	72	84	67	26	1676
217	4-Aug	0.00	18.9	151	96	74	91	70	28	1704
218	5-Aug	0.67	19.6	272	88	69	86	63	25	1728
219	6-Aug	0.00	19.6	269	90	65	77	54	16	1744
220	7-Aug	0.00	19.6	245	88	66	78	55	17	1760
221	8-Aug	0.00	19.6	284	91	65	79	53	16	1776
222	9-Aug	0.00	19.6	228	91	70	80	64	22	1798
223	10-Aug	0.00	19.6	232	94	72	86	66	26	1824
224	11-Aug	0.00	19.6	160	88	73	89	66	26	1850
225	12-Aug	0.36	19.9	114	83	73	87	69	28	1878
226	13-Aug	1.08	21.0	215	87	70	79	66	23	1900
227	14-Aug	0.00	21.0	247	89	66	79	58	19	1919
228	15-Aug	0.00	21.0	217	88	66	83	56	20	1938
229	16-Aug	0.00	21.0	225	89	69	80	60	20	1958
230	17-Aug	0.29	21.3	254	90	69	85	62	24	1982
231	18-Aug	0.00	21.3	236	91	69	86	63	25	2006
232	19-Aug	0.54	21.8	134	82	71	86	66	26	2032
233	20-Aug	0.35	22.2	82	75	65	79	57	18	2050
234	21-Aug	0.00	22.2	164	78	63	71	52	12	2062
235	22-Aug	0.00	22.2	260	84	59	79	50	15	2076
236	23-Aug	0.00	22.2	233	85	66	77	60	19	2095
237	24-Aug	1.96	24.1	86	76	67	80	66	23	2118
238	25-Aug	0.05	24.2	216	83	66	78	60	19	2137
239	26-Aug	0.00	24.2	190	79	63	79	53	16	2153
240	27-Aug	0.10	24.3	56	70	65	72	58	15	2168
241	28-Aug	0.12	24.4	193	82	67	64	62	13	2181
242	29-Aug	0.00	24.4	180	84	69	80	58	19	2200
243	30-Aug	0.00	24.4	224	88	70	83	65	24	2224
244	31-Aug	0.00	24.4	242	85	64	83	50	17	2240
245	1-Sep	0.00	24.4	199	80	64	77	51	14	2254
246	2-Sep	0.00	24.4	249	83	62	72	48	11	2265
247	3-Sep	0.00	24.4	213	81	61	74	47	12	2277
248	4-Sep	0.00	24.4	197	82	64	75	58	17	2294
249	5-Sep	0.00	24.4	160	83	66	77	60	19	2312
250	6-Sep	0.00	24.4	132	84	70	86	71	29	2341
251	7-Sep	3.04	27.5	73	78	70	86	67	27	2367
252	8-Sep	0.32	27.8	185	83	66	74	65	20	2387
253	9-Sep	0.00	27.8	48	68	63	78	53	16	2402
254	10-Sep	0.35	28.1	105	72	59	68	50	9	2411
255	11-Sep	0.00	28.1	224	77	56	67	46	9	2420
256	12-Sep	0.00	28.1	219	78	60	74	46	12	2432
257	13-Sep	0.36	28.5	60	70	62	77	60	19	2450
258	14-Sep	0.02	28.5	166	73	60	77	52	15	2465
259	15-Sep	0.00	28.5	203	77	59	70	54	12	2477
260	16-Sep	0.12	28.6	68	71	64	75	59	17	2494
261	17-Sep	0.66	29.3	161	76	61	71	54	13	2506
262	18-Sep	0.00	29.3	208	76	58	73	50	12	2518
263	19-Sep	0.00	29.3	96	72	60	77	50	14	2531
264	20-Sep	0.21	29.5	191	76	57	74	49	12	2543
265	21-Sep	2.12	31.6	48	70	60	81	56	19	2562

**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			
266 22-Sep	3.60	35.2	118	74	63	72	61	17	2578
267 23-Sep	0.00	35.2	100	71	63	75	58	17	2595
268 24-Sep	0.08	35.3	86	70	63	66	57	12	2606
269 25-Sep	0.00	35.3	86	72	61	68	58	13	2619
270 26-Sep	0.20	35.5	153	67	56	75	50	13	2632
271 27-Sep	0.00	35.5	51	60	54	63	49	7	2638
272 28-Sep	0.17	35.7	95	63	55	55	48	3	2641
273 29-Sep	0.01	35.7	190	69	53	62	47	6	2647
274 30-Sep	0.00	35.7	42	62	56	71	51	11	2658
275 1-Oct	0.00	35.7	63	65	59	61	55	8	2666
276 2-Oct	0.10	35.8	144	69	57	65	50	8	2673
277 3-Oct	0.00	35.8	167	68	53	69	44	10	2683
278 4-Oct	0.00	35.8	69	65	57	68	51	10	2692
279 5-Oct	0.00	35.8	84	67	57	69	56	13	2705
280 6-Oct	0.06	35.8	93	66	54	70	49	10	2715
281 7-Oct	0.02	35.9	106	63	51	70	46	10	2725
282 8-Oct	0.00	35.9	162	60	47	66	38	8	2733
283 9-Oct	0.00	35.9	171	61	46	54	32	2	2735
284 10-Oct	0.00	35.9	156	64	50	58	32	4	2739
285 11-Oct	0.00	35.9	116	65	56	71	47	11	2749
286 12-Oct	0.03	35.9	20	57	47	73	54	14	2763
287 13-Oct	0.26	36.1	102	54	45	55	34	3	2765
288 14-Oct	0.02	36.2	139	57	43	48	35	0	2765
289 15-Oct	0.00	36.2	19	58	50	60	48	5	2770
290 16-Oct	0.02	36.2	132	66	54	64	54	9	2779
291 17-Oct	0.00	36.2	50	68	59	71	54	13	2792
292 18-Oct	0.02	36.2	137	66	53	75	52	14	2805
293 19-Oct	0.00	36.2	118	63	49	68	40	9	2814
294 20-Oct	0.00	36.2	112	56	48	67	37	9	2823
295 21-Oct	0.00	36.2	77	54	47	50	38	0	2823
296 22-Oct	0.00	36.2	136	58	46	47	36	0	2823
297 23-Oct	0.00	36.2	129	58	44	59	34	5	2827
298 24-Oct	0.00	36.2	141	56	43	66	36	8	2835
299 25-Oct	0.00	36.2	88	52	42	55	30	3	2838
300 26-Oct	1.31	37.5	13	48	45	51	38	1	2838
301 27-Oct	0.27	37.8	46	50	45	44	38	0	2838
302 28-Oct	0.00	37.8	63	54	46	44	39	0	2838
303 29-Oct	0.00	37.8	60	56	50	61	44	6	2844
304 30-Oct	0.07	37.9	108	57	46	57	42	4	2847
305 31-Oct	0.00	37.9	67	52	46	50	36	0	2847

**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
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	0.4	0.6	2.6	3.6	7.2	10.6	5.4	4.4	1.3	1.4	0.9	39.3
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
2015	0.3	0.2	0.4	3.7	5.6	4.3	1.8	3.1	4.8	3.2	2.2	1.6	31.2
2016	1.0	0.5	5.9	1.5	2.5	3.6	3.9	5.5	11.3	2.2	2.1	1.4	41.3
30-year Average	1.0	0.9	1.9	3.4	4.1	4.7	4.0	3.9	3.4	2.5	2.0	1.1	33.0

**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
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
2015	18	9	33	46	59	65	69	68	66	50	41	33	46
2016	16	27	38	44	56	66	71	70	64	52	42	21	47
30-year Average	17	20	32	45	57	67	71	69	61	48	35	22	45