

2013 Weather Summary for Arlington, WI

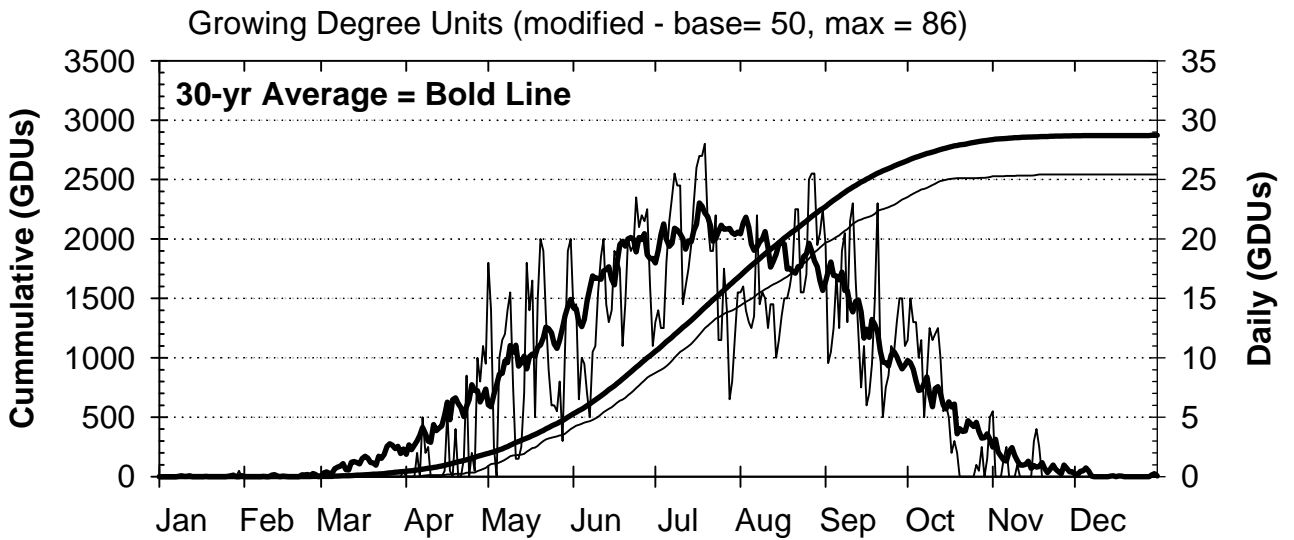
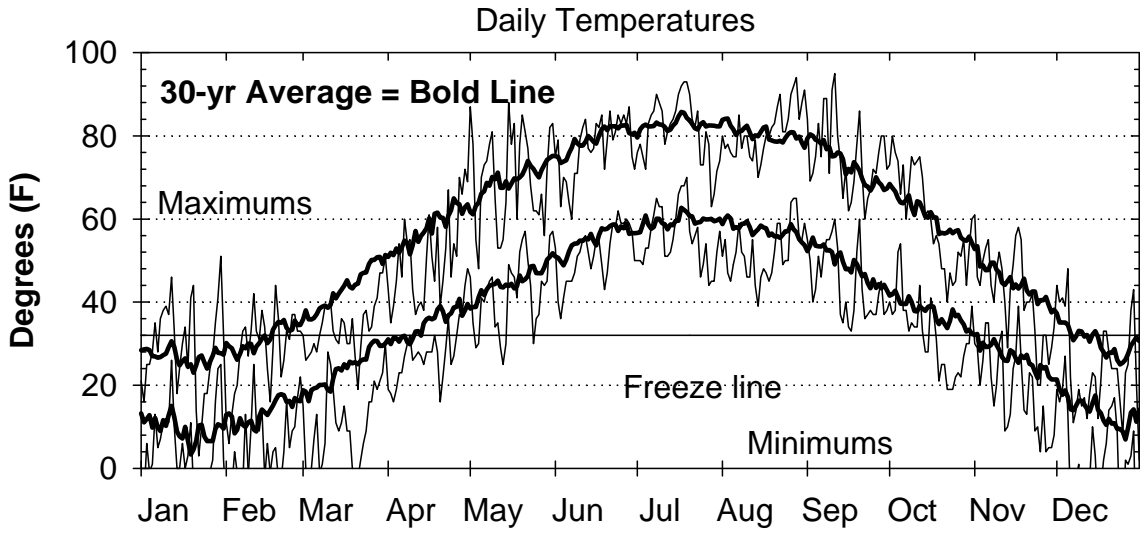
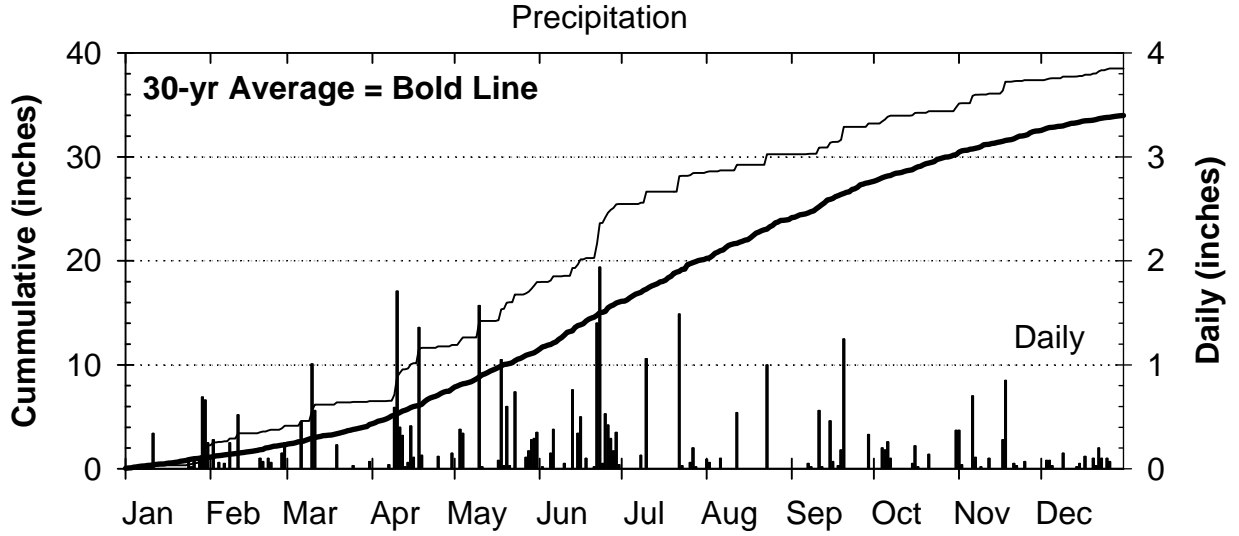


Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station.

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			
91	1-Apr	0.00	6.5	268	35	34	43	19	0	1
92	2-Apr	0.00	6.5	274	35	34	35	18	0	1
93	3-Apr	0.00	6.5	274	37	33	39	16	0	1
94	4-Apr	0.00	6.5	221	51	34	45	19	0	1
95	5-Apr	0.00	6.5	243	60	34	54	23	2	3
96	6-Apr	0.00	6.5	94	55	34	46	23	0	3
97	7-Apr	0.04	6.5	217	69	35	60	27	5	8
98	8-Apr	0.00	6.5	173	69	37	54	30	2	10
99	9-Apr	0.59	7.1	26	46	37	55	32	3	13
100	10-Apr	1.71	8.8	37	40	35	43	26	0	13
101	11-Apr	0.40	9.2	43	43	35	37	27	0	13
102	12-Apr	0.32	9.6	67	50	35	39	28	0	13
103	13-Apr	0.02	9.6	87	43	34	40	27	0	13
104	14-Apr	0.06	9.6	127	53	34	38	25	0	13
105	15-Apr	0.41	10.1	127	62	38	51	28	1	13
106	16-Apr	0.11	10.2	292	67	35	61	28	6	19
107	17-Apr	0.00	10.2	30	46	38	51	28	1	19
108	18-Apr	1.36	11.5	51	54	40	45	32	0	19
109	19-Apr	0.13	11.7	125	49	35	58	28	4	23
110	20-Apr	0.00	11.7	311	64	33	39	16	0	23
111	21-Apr	0.00	11.7	166	56	35	45	22	0	23
112	22-Apr	0.00	11.7	173	67	41	53	29	2	25
113	23-Apr	0.00	11.7	65	50	37	67	36	9	33
114	24-Apr	0.00	11.7	296	64	35	46	25	0	33
115	25-Apr	0.12	11.8	249	65	38	54	27	2	35
116	26-Apr	0.00	11.8	278	77	37	51	32	1	36
117	27-Apr	0.00	11.8	193	76	45	70	37	10	46
118	28-Apr	0.00	11.8	244	88	43	66	37	8	54
119	29-Apr	0.00	11.8	103	72	51	72	44	11	65
120	30-Apr	0.15	11.9	258	86	59	69	48	10	74
121	1-May	0.00	11.9	287	98	56	87	46	18	92
122	2-May	0.00	11.9	172	77	46	78	35	14	106
123	3-May	0.38	12.3	50	51	43	55	29	3	109
124	4-May	0.34	12.6	207	78	48	48	30	0	109
125	5-May	0.00	12.6	260	83	49	70	41	10	119
126	6-May	0.00	12.6	278	84	49	73	40	12	130
127	7-May	0.00	12.6	312	97	57	74	43	12	142
128	8-May	0.00	12.6	251	100	55	78	45	14	156
129	9-May	0.00	12.6	53	71	54	81	46	16	172
130	10-May	1.57	14.2	83	62	47	65	34	8	179
131	11-May	0.02	14.2	206	64	42	53	35	2	181
132	12-May	0.00	14.2	333	69	36	53	29	2	182
133	13-May	0.00	14.2	293	83	37	55	25	3	185
134	14-May	0.00	14.2	295	98	52	64	30	7	192
135	15-May	0.00	14.2	273	95	62	88	49	18	210
136	16-May	0.00	14.2	304	100	58	78	47	14	224
137	17-May	0.08	14.3	82	69	57	83	46	17	240
138	18-May	1.05	15.4	238	91	57	60	41	5	245
139	19-May	0.03	15.4	221	88	63	78	52	15	260
140	20-May	0.60	16.0	298	89	67	85	55	20	280
141	21-May	0.03	16.0	239	86	65	81	57	19	299
142	22-May	0.00	16.0	91	80	62	77	50	14	313
143	23-May	0.74	16.8	260	82	54	68	44	9	322
144	24-May	0.00	16.8	337	88	47	62	30	6	328

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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	16.8	130	69	53	62	36	6	334
146 26-May	0.00	16.8	177	76	49	61	37	6	339
147 27-May	0.11	16.9	43	64	56	66	45	8	347
148 28-May	0.17	17.0	109	81	57	56	44	3	350
149 29-May	0.28	17.3	294	95	67	72	45	11	361
150 30-May	0.29	17.6	239	92	68	82	56	19	380
151 31-May	0.35	18.0	205	90	69	83	57	20	400
152 1-Jun	0.00	18.0	229	97	66	75	53	14	414
153 2-Jun	0.02	18.0	212	80	55	79	40	15	429
154 3-Jun	0.00	18.0	313	95	51	63	36	7	435
155 4-Jun	0.00	18.0	155	84	61	70	41	10	445
156 5-Jun	0.15	18.1	79	75	60	69	45	10	455
157 6-Jun	0.38	18.5	78	73	61	64	45	7	462
158 7-Jun	0.00	18.5	264	93	59	60	45	5	467
159 8-Jun	0.00	18.5	223	93	61	71	47	11	477
160 9-Jun	0.00	18.5	181	86	64	71	51	11	488
161 10-Jun	0.05	18.6	282	98	66	79	52	16	504
162 11-Jun	0.00	18.6	258	106	65	82	55	19	522
163 12-Jun	0.00	18.6	97	88	69	84	56	20	542
164 13-Jun	0.76	19.3	314	94	65	77	52	15	557
165 14-Jun	0.00	19.3	317	103	62	76	48	13	570
166 15-Jun	0.34	19.7	221	104	70	77	51	14	584
167 16-Jun	0.50	20.2	337	97	72	83	55	19	603
168 17-Jun	0.00	20.2	317	107	69	82	55	19	621
169 18-Jun	0.10	20.3	308	102	67	85	49	18	639
170 19-Jun	0.00	20.3	345	110	62	72	43	11	650
171 20-Jun	0.00	20.3	327	114	70	79	47	15	664
172 21-Jun	0.02	20.3	102	93	76	86	54	20	684
173 22-Jun	1.40	21.7	138	98	77	79	59	19	703
174 23-Jun	1.94	23.6	256	109	74	81	58	20	723
175 24-Jun	0.05	23.7	179	105	78	85	62	24	746
176 25-Jun	0.53	24.2	181	108	78	83	59	21	767
177 26-Jun	0.42	24.6	241	110	79	85	59	22	789
178 27-Jun	0.29	24.9	272	108	77	83	60	22	811
179 28-Jun	0.17	25.1	201	92	73	87	59	23	833
180 29-Jun	0.35	25.4	155	90	71	75	57	16	849
181 30-Jun	0.04	25.5	326	95	66	72	50	11	860
182 1-Jul	0.00	25.5	322	102	66	76	50	13	873
183 2-Jul	0.00	25.5	315	104	68	78	50	14	887
184 3-Jul	0.00	25.5	127	92	70	75	49	13	900
185 4-Jul	0.00	25.5	302	113	67	72	53	13	912
186 5-Jul	0.00	25.5	269	111	73	83	53	18	930
187 6-Jul	0.00	25.5	293	116	75	85	58	22	952
188 7-Jul	0.00	25.5	264	117	79	86	61	24	975
189 8-Jul	0.13	25.6	237	106	84	90	65	26	1001
190 9-Jul	0.00	25.6	147	105	81	88	63	25	1025
191 10-Jul	1.06	26.7	293	104	74	86	63	25	1050
192 11-Jul	0.00	26.7	316	112	69	78	51	15	1064
193 12-Jul	0.00	26.7	324	117	72	81	51	16	1080
194 13-Jul	0.00	26.7	298	118	75	83	52	18	1098
195 14-Jul	0.00	26.7	305	122	77	84	55	20	1117
196 15-Jul	0.00	26.7	250	117	83	86	60	23	1140
197 16-Jul	0.00	26.7	275	120	87	90	66	26	1166
198 17-Jul	0.00	26.7	290	123	88	92	68	27	1193

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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	26.7	300	123	88	93	68	27	1220
200 19-Jul	0.00	26.7	263	118	88	93	70	28	1248
201 20-Jul	0.00	26.7	269	114	82	90	57	22	1270
202 21-Jul	0.00	26.7	169	109	79	84	54	19	1289
203 22-Jul	1.49	28.2	275	103	77	82	56	19	1308
204 23-Jul	0.03	28.2	304	104	74	86	58	22	1330
205 24-Jul	0.00	28.2	288	109	69	73	46	12	1341
206 25-Jul	0.00	28.2	201	105	71	73	49	12	1353
207 26-Jul	0.06	28.2	173	99	70	81	54	18	1370
208 27-Jul	0.20	28.4	172	85	64	78	44	14	1384
209 28-Jul	0.02	28.5	198	89	64	63	45	7	1391
210 29-Jul	0.00	28.5	297	106	64	66	45	8	1399
211 30-Jul	0.00	28.5	144	93	70	72	52	12	1410
212 31-Jul	0.00	28.5	224	106	76	74	57	16	1426
213 1-Aug	0.09	28.6	288	105	71	80	51	16	1441
214 2-Aug	0.06	28.6	237	106	76	77	55	16	1457
215 3-Aug	0.00	28.6	273	105	69	78	47	14	1471
216 4-Aug	0.00	28.6	249	109	68	76	45	13	1484
217 5-Aug	0.00	28.6	129	93	74	75	49	13	1497
218 6-Aug	0.10	28.7	247	108	76	75	52	14	1510
219 7-Aug	0.00	28.7	273	108	79	85	59	22	1532
220 8-Aug	0.00	28.7	242	111	75	77	52	15	1547
221 9-Aug	0.00	28.7	252	109	76	80	51	16	1562
222 10-Aug	0.00	28.7	228	105	71	80	46	15	1577
223 11-Aug	0.00	28.7	81	86	72	75	46	13	1590
224 12-Aug	0.54	29.3	219	102	73	74	55	15	1604
225 13-Aug	0.00	29.3	235	98	65	79	44	15	1619
226 14-Aug	0.00	29.3	267	103	62	70	39	10	1629
227 15-Aug	0.00	29.3	191	103	71	73	46	12	1640
228 16-Aug	0.00	29.3	279	110	67	77	48	14	1654
229 17-Aug	0.00	29.3	282	110	70	80	47	15	1669
230 18-Aug	0.00	29.3	286	111	70	80	45	15	1684
231 19-Aug	0.00	29.3	230	105	72	82	47	16	1700
232 20-Aug	0.00	29.3	242	108	74	83	52	18	1717
233 21-Aug	0.00	29.3	226	109	80	87	59	23	1740
234 22-Aug	0.00	29.3	105	98	76	90	59	23	1762
235 23-Aug	1.00	30.3	278	100	69	81	49	16	1778
236 24-Aug	0.00	30.3	248	103	67	81	50	16	1793
237 25-Aug	0.00	30.3	246	108	78	84	50	17	1810
238 26-Aug	0.00	30.3	217	110	80	90	64	25	1835
239 27-Aug	0.00	30.3	241	112	83	92	65	26	1861
240 28-Aug	0.00	30.3	166	108	83	94	65	26	1886
241 29-Aug	0.00	30.3	253	111	77	84	55	20	1906
242 30-Aug	0.00	30.3	207	112	82	88	55	21	1926
243 31-Aug	0.00	30.3	229	112	82	91	59	23	1949
244 1-Sep	0.00	30.3	156	105	79	84	55	20	1968
245 2-Sep	0.00	30.3	144	95	70	69	50	10	1978
246 3-Sep	0.00	30.3	237	103	64	71	40	11	1988
247 4-Sep	0.00	30.3	226	105	66	75	43	13	2001
248 5-Sep	0.00	30.3	244	105	74	83	51	17	2018
249 6-Sep	0.00	30.3	227	106	70	75	46	13	2030
250 7-Sep	0.05	30.3	191	108	78	89	52	19	2049
251 8-Sep	0.02	30.3	56	86	79	89	55	21	2070
252 9-Sep	0.00	30.3	210	107	76	71	55	13	2083

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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	0.00	30.3	229	109	79	91	57	22	2104
254	11-Sep	0.56	30.9	154	95	74	95	60	23	2127
255	12-Sep	0.02	30.9	219	89	65	80	53	17	2144
256	13-Sep	0.00	30.9	246	94	58	74	37	12	2156
257	14-Sep	0.00	30.9	222	94	56	65	35	8	2163
258	15-Sep	0.46	31.4	46	76	65	72	40	11	2174
259	16-Sep	0.07	31.4	236	87	55	62	34	6	2180
260	17-Sep	0.00	31.4	165	81	53	64	33	7	2187
261	18-Sep	0.03	31.5	160	88	67	69	38	10	2197
262	19-Sep	0.18	31.6	103	93	74	78	52	15	2212
263	20-Sep	1.25	32.9	121	84	63	86	60	23	2235
264	21-Sep	0.00	32.9	136	75	55	71	43	11	2245
265	22-Sep	0.00	32.9	226	86	50	60	36	5	2250
266	23-Sep	0.00	32.9	218	84	51	65	37	8	2258
267	24-Sep	0.00	32.9	211	88	52	67	38	9	2266
268	25-Sep	0.00	32.9	193	90	55	72	37	11	2277
269	26-Sep	0.00	32.9	196	92	54	71	37	11	2288
270	27-Sep	0.00	32.9	211	93	57	76	42	13	2301
271	28-Sep	0.00	32.9	149	92	60	80	45	15	2316
272	29-Sep	0.33	33.2	210	88	54	80	37	15	2331
273	30-Sep	0.00	33.2	196	80	53	72	38	11	2342
274	1-Oct	0.00	33.2	193	91	60	73	40	12	2353
275	2-Oct	0.00	33.2	199	91	54	80	37	15	2368
276	3-Oct	0.00	33.2	96	86	64	76	38	13	2381
277	4-Oct	0.20	33.4	34	77	70	74	52	13	2394
278	5-Oct	0.18	33.6	42	82	66	66	54	10	2404
279	6-Oct	0.26	33.9	117	78	55	73	38	12	2416
280	7-Oct	0.10	34.0	178	78	51	60	38	5	2421
281	8-Oct	0.00	34.0	183	79	48	67	33	9	2429
282	9-Oct	0.00	34.0	180	80	52	75	35	13	2442
283	10-Oct	0.00	34.0	166	83	48	73	34	12	2453
284	11-Oct	0.00	34.0	139	84	54	74	34	12	2465
285	12-Oct	0.00	34.0	138	84	54	75	44	13	2478
286	13-Oct	0.00	34.0	183	79	47	70	33	10	2488
287	14-Oct	0.00	34.0	160	78	43	61	28	6	2493
288	15-Oct	0.05	34.0	30	66	53	62	28	6	2499
289	16-Oct	0.22	34.2	35	63	53	60	41	5	2504
290	17-Oct	0.02	34.3	87	69	44	54	38	2	2506
291	18-Oct	0.00	34.3	49	57	43	56	31	3	2509
292	19-Oct	0.00	34.3	107	62	38	54	21	2	2511
293	20-Oct	0.00	34.3	58	54	38	48	25	0	2511
294	21-Oct	0.14	34.4	54	48	37	48	25	0	2511
295	22-Oct	0.00	34.4	123	58	34	40	19	0	2511
296	23-Oct	0.00	34.4	108	55	34	47	19	0	2511
297	24-Oct	0.00	34.4	106	54	36	44	19	0	2511
298	25-Oct	0.00	34.4	138	57	34	45	22	0	2511
299	26-Oct	0.00	34.4	112	61	40	52	23	1	2512
300	27-Oct	0.00	34.4	148	63	35	51	22	1	2513
301	28-Oct	0.00	34.4	49	50	37	55	27	3	2515
302	29-Oct	0.00	34.4	83	61	41	44	30	0	2515
303	30-Oct	0.00	34.4	23	56	47	53	30	2	2517
304	31-Oct	0.37	34.8	16	64	48	60	39	5	2522

Table A-2. Monthly and total precipitation (inches) data for the Arlington Research Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1984	0.7	1.5	1.2	4.1	3.2	7.6	2.9	1.8	3.6	5.9	2.5	1.5	36.4
1985	1.4	1.8	2.1	2.4	2.8	3.5	5.9	3.6	6.9	3.0	5.3	1.4	40.1
1986	1.2	1.0	1.5	2.7	2.1	4.2	4.6	4.9	10.7	1.9	1.3	0.5	36.7
1987	0.5	0.0	1.9	2.6	4.7	0.6	4.0	4.9	4.9	1.6	4.9	1.4	32.2
1988	2.1	1.0	1.3	3.3	1.0	1.5	1.6	2.9	3.9	2.2	1.5	1.2	23.4
1989	0.7	0.9	1.5	1.4	1.8	2.0	3.8	4.3	3.8	2.4	1.3	0.5	24.3
1990	1.8	0.9	3.7	2.5	4.3	6.3	1.6	5.4	1.2	2.3	1.7	2.4	34.2
1991	1.0	0.4	3.0	4.5	1.9	2.6	3.8	1.8	4.7	6.8	3.6	1.4	35.4
1992	0.5	1.6	1.7	4.0	1.2	1.2	5.8	1.9	7.5	1.3	5.2	2.8	34.6
1993	1.6	1.0	2.3	7.1	4.5	6.1	9.4	3.2	4.2	1.2	1.6	0.2	42.3
1994	0.9	2.0	0.1	2.3	2.0	7.9	6.1	4.0	4.7	0.5	2.8	0.8	34.0
1995	1.3	0.1	2.2	3.4	6.0	2.2	2.8	5.0	1.8	4.2	2.4	0.7	31.9
1996	1.8	0.5	0.3	2.6	3.2	7.8	2.4	2.8	0.9	3.3	0.8	1.6	28.0
1997	0.7	2.8	2.2	2.0	3.3	4.9	6.3	3.2	1.6	1.4	1.0	0.8	30.0
1998	1.2	0.9	3.3	4.0	4.1	6.8	2.1	6.7	3.0	3.4	1.6	0.3	37.4
1999	2.8	1.2	0.6	6.0	3.9	5.3	3.4	2.5	1.4	1.4	1.3	1.0	30.9
2000	1.0	2.3	1.4	3.4	10.5	7.2	3.4	3.3	3.1	0.7	1.5	1.5	39.3
2001	0.8	1.4	0.4	3.1	4.7	7.0	2.9	5.3	5.2	1.7	1.7	1.4	35.8
2002	0.5	1.1	0.8	3.4	3.2	4.3	2.9	3.7	1.9	4.0	2.1	0.6	28.7
2003	0.4	0.2	1.4	2.2	3.8	3.3	3.3	1.8	4.0	1.3	5.3	1.9	28.9
2004	0.3	1.2	2.7	1.9	10.3	4.1	4.3	3.0	0.5	3.3	1.6	1.6	34.8
2005	1.5	1.2	1.8	0.8	3.4	1.5	4.4	3.1	4.7	0.6	3.8	1.0	27.6
2006	1.6	0.6	2.1	5.1	4.3	4.5	4.1	6.1	5.4	3.2	1.7	0.9	39.6
2007	0.5	1.5	3.2	3.3	1.2	3.3	2.9	11.3	2.8	2.3	0.5	3.3	36.3
2008	2.9	2.6	2.8	9.3	3.3	13.8	5.1	1.9	1.6	3.4	1.3	1.8	49.8
2009	0.4	1.7	4.8	4.3	3.6	4.3	2.3	3.2	2.4	4.6	1.3	2.8	35.5
2010	1.7	1.1	1.0	3.7	4.2	7.6	9.3	4.7	4.5	1.7	1.4	1.7	42.5
2011	0.6	0.7	3.4	3.5	1.6	4.1	2.5	1.5	3.9	1.6	3.3	2.4	28.9
2012	0.8	1.0	2.5	3.1	2.9	0.3	4.3	2.9	1.0	4.0	1.1	2.5	26.3
2013	2.3	1.9	2.4	5.4	6.0	7.5	3.0	1.8	3.0	1.5	2.6	1.1	38.5
30-year Average	1.2	1.2	2.0	3.6	3.8	4.8	4.0	3.8	3.6	2.5	2.3	1.4	34.1

Table A-3. Average monthly and annual temperature (°F) data for the Arlington Research Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual
1984	15	30	27	46	55	69	69	72	61	52	36	26	46
1985	12	17	38	52	62	64	71	66	62	50	32	12	45
1986	18	19	36	50	59	66	72	64	62	51	32	25	46
1987	23	31	38	51	61	71	74	68	62	45	40	27	49
1988	13	18	35	47	63	72	75	75	64	45	37	24	47
1989	28	15	30	46	57	66	73	70	60	51	33	13	45
1990	28	26	37	49	55	68	70	69	64	49	40	21	48
1991	14	26	36	50	63	70	71	70	59	49	29	24	47
1992	24	28	33	43	58	64	66	64	59	47	31	22	45
1993	19	19	29	42	57	64	69	69	55	46	33	23	44
1994	6	13	33	46	56	68	67	67	64	53	40	28	45
1995	20	23	37	44	57	72	73	76	60	52	29	21	47
1996	16	22	29	44	55	68	69	70	62	51	30	23	45
1997	17	24	33	42	51	68	69	65	61	50	32	27	45
1998	23	33	33	48	62	66	71	71	65	51	39	30	50
1999	15	30	35	48	60	68	75	67	59	48	43	25	48
2000	20	29	41	45	61	65	69	71	62	54	34	10	47
2001	20	17	30	51	59	67	72	71	59	48	46	31	48
2002	26	27	29	46	54	69	75	70	64	44	34	27	47
2003	17	17	32	44	56	66	71	72	61	49	35	28	46
2004	14	22	37	47	56	65	69	64	65	50	39	24	46
2005	17	27	30	50	54	72	73	70	65	50	36	17	47
2006	29	21	34	50	57	66	73	69	58	44	38	29	48
2007	21	13	37	43	60	68	70	70	62	53	33	17	46
2008	15	14	27	45	53	66	70	67	61	47	34	14	43
2009	8	21	31	43	56	64	63	64	60	42	38	18	42
2010	14	19	36	49	57	66	71	70	58	50	36	15	45
2011	13	18	28	41	54	65	73	68	57	49	36	27	44
2012	21	27	46	44	59	68	76	67	58	45	34	25	47
2013	16	17	22	39	56	64	68	67	60	46	31	13	42
30-year Average	18	22	33	46	57	67	71	69	61	49	35	22	46