

2011 Weather Summary for Arlington, WI

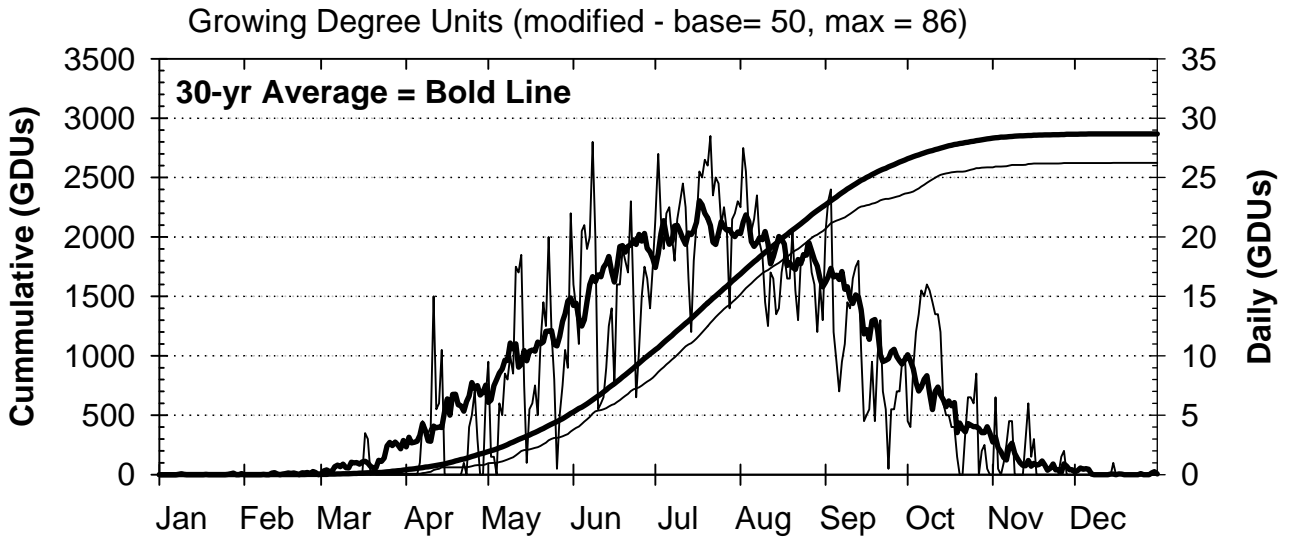
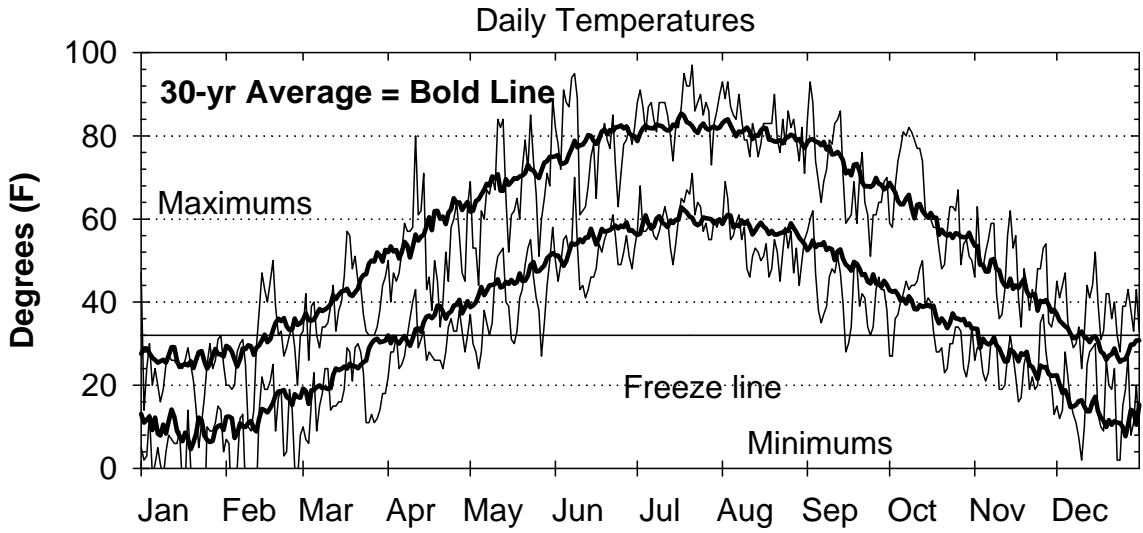
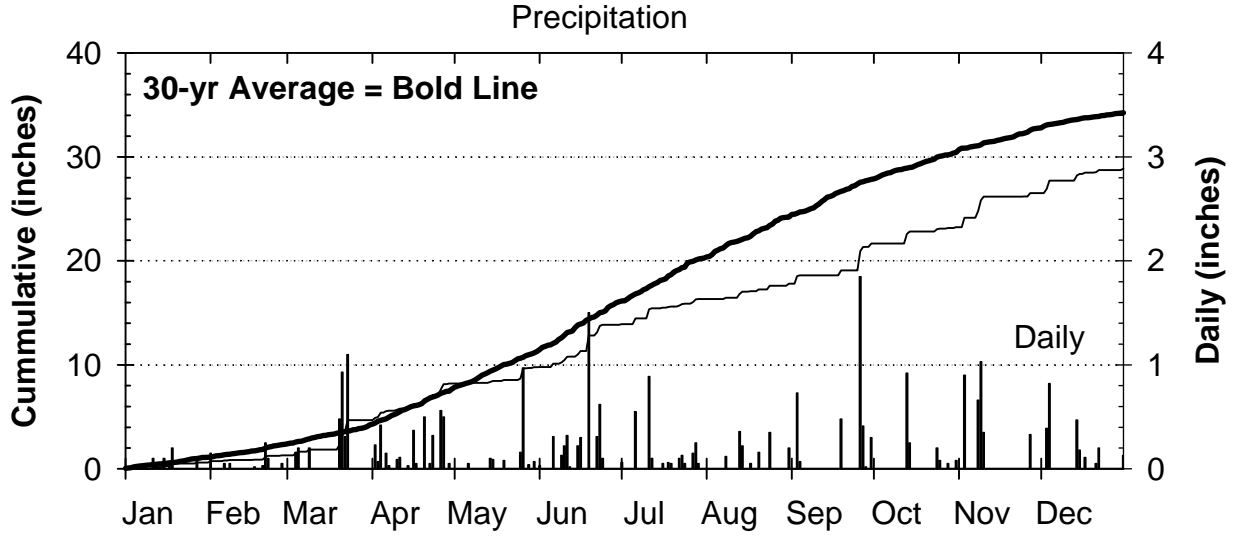


Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2011.

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			
91	1-Apr	0.00	4.7	50	41	36	22	50	0	7
92	2-Apr	0.23	4.9	204	57	35	28	40	0	7
93	3-Apr	0.07	5.0	42	47	39	28	47	0	7
94	4-Apr	0.42	5.4	137	52	36	32	45	0	7
95	5-Apr	0.00	5.4	263	60	35	24	47	0	7
96	6-Apr	0.15	5.6	189	68	42	25	52	1	8
97	7-Apr	0.03	5.6	171	64	39	27	59	5	13
98	8-Apr	0.00	5.6	111	62	44	32	57	4	16
99	9-Apr	0.00	5.6	107	64	47	36	57	4	20
100	10-Apr	0.09	5.7	182	75	54	40	58	4	24
101	11-Apr	0.11	5.8	191	67	46	43	80	15	39
102	12-Apr	0.00	5.8	297	73	39	29	61	6	44
103	13-Apr	0.00	5.8	249	72	42	31	62	6	50
104	14-Apr	0.03	5.8	86	54	41	33	71	11	61
105	15-Apr	0.00	5.8	99	48	37	26	43	0	61
106	16-Apr	0.37	6.2	62	44	37	28	46	0	61
107	17-Apr	0.05	6.2	299	59	36	27	38	0	61
108	18-Apr	0.00	6.2	200	62	38	26	50	0	61
109	19-Apr	0.00	6.2	43	42	36	26	45	0	61
110	20-Apr	0.50	6.7	152	43	36	26	34	0	61
111	21-Apr	0.00	6.7	269	64	36	24	40	0	61
112	22-Apr	0.05	6.8	29	45	43	28	52	1	62
113	23-Apr	0.32	7.1	179	63	44	34	45	0	62
114	24-Apr	0.00	7.1	192	70	45	36	58	4	66
115	25-Apr	0.00	7.1	275	69	43	33	60	5	71
116	26-Apr	0.56	7.7	56	59	49	33	64	7	78
117	27-Apr	0.50	8.2	86	57	45	38	56	3	81
118	28-Apr	0.00	8.2	88	51	41	33	47	0	81
119	29-Apr	0.05	8.2	320	76	37	28	45	0	81
120	30-Apr	0.00	8.2	115	63	47	32	63	7	87
121	1-May	0.00	8.2	335	64	42	37	69	10	97
122	2-May	0.00	8.2	312	69	38	30	53	2	98
123	3-May	0.00	8.2	95	55	38	28	53	2	100
124	4-May	0.00	8.2	339	75	36	24	44	0	100
125	5-May	0.00	8.2	124	61	42	28	62	6	106
126	6-May	0.05	8.3	247	74	42	38	60	5	111
127	7-May	0.00	8.3	251	73	48	35	67	9	119
128	8-May	0.00	8.3	259	80	43	32	66	8	127
129	9-May	0.00	8.3	124	66	51	35	70	10	137
130	10-May	0.00	8.3	294	87	55	47	67	9	146
131	11-May	0.00	8.3	170	86	61	51	84	18	163
132	12-May	0.00	8.3	236	87	64	52	82	17	180
133	13-May	0.00	8.3	78	74	58	53	84	19	199
134	14-May	0.10	8.4	48	59	51	40	65	8	206
135	15-May	0.09	8.5	260	67	46	39	52	1	207
136	16-May	0.00	8.5	353	77	40	31	61	6	213
137	17-May	0.00	8.5	358	82	42	30	62	6	219
138	18-May	0.00	8.5	72	63	51	33	65	8	226
139	19-May	0.08	8.5	170	81	58	41	60	5	231
140	20-May	0.00	8.5	287	88	54	43	72	11	242
141	21-May	0.00	8.5	99	78	61	49	79	15	257
142	22-May	0.00	8.5	281	92	61	53	72	13	269
143	23-May	0.00	8.5	236	83	64	55	85	20	289
144	24-May	0.00	8.5	181	82	61	46	74	12	301

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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			
145 25-May	0.16	8.7	19	61	53	41	66	8	309
146 26-May	0.97	9.7	316	73	48	38	51	1	310
147 27-May	0.00	9.7	269	78	43	27	60	5	315
148 28-May	0.04	9.7	159	73	56	35	65	8	322
149 29-May	0.00	9.7	71	70	55	44	71	11	333
150 30-May	0.07	9.8	310	93	60	50	68	9	342
151 31-May	0.00	9.8	246	90	67	58	89	22	364
152 1-Jun	0.03	9.8	358	90	61	50	82	16	380
153 2-Jun	0.00	9.8	249	87	62	45	78	14	394
154 3-Jun	0.00	9.8	316	98	64	49	72	11	405
155 4-Jun	0.00	9.8	285	102	74	55	91	21	425
156 5-Jun	0.00	9.8	332	103	67	56	88	21	446
157 6-Jun	0.31	10.1	304	98	69	52	87	19	465
158 7-Jun	0.00	10.1	326	104	74	54	94	20	485
159 8-Jun	0.00	10.1	189	99	75	70	95	28	513
160 9-Jun	0.13	10.2	89	75	64	54	89	20	533
161 10-Jun	0.22	10.5	83	73	60	43	61	6	539
162 11-Jun	0.32	10.8	101	73	61	44	62	6	545
163 12-Jun	0.02	10.8	280	81	55	41	63	7	551
164 13-Jun	0.00	10.8	331	95	59	43	68	9	560
165 14-Jun	0.00	10.8	314	94	60	46	75	13	573
166 15-Jun	0.22	11.0	54	74	63	46	78	14	587
167 16-Jun	0.30	11.3	285	90	60	48	65	8	594
168 17-Jun	0.00	11.3	308	96	65	54	78	16	610
169 18-Jun	0.00	11.3	224	96	69	52	80	16	626
170 19-Jun	1.50	12.8	172	89	70	55	83	19	645
171 20-Jun	0.00	12.8	116	87	72	57	79	18	663
172 21-Jun	0.00	12.8	187	91	71	57	77	17	680
173 22-Jun	0.31	13.1	150	83	72	61	85	23	703
174 23-Jun	0.62	13.8	73	73	65	56	73	15	718
175 24-Jun	0.10	13.9	133	76	62	49	63	7	724
176 25-Jun	0.00	13.9	262	88	59	49	71	11	735
177 26-Jun	0.00	13.9	342	96	64	52	78	15	750
178 27-Jun	0.00	13.9	197	91	69	56	79	18	767
179 28-Jun	0.00	13.9	347	97	64	51	82	17	784
180 29-Jun	0.00	13.9	341	102	64	48	78	14	798
181 30-Jun	0.00	13.9	292	102	70	53	82	18	815
182 1-Jul	0.06	13.9	300	106	79	57	88	22	837
183 2-Jul	0.00	13.9	331	107	80	68	91	27	864
184 3-Jul	0.00	13.9	267	101	73	57	87	22	885
185 4-Jul	0.00	13.9	341	110	71	57	81	19	904
186 5-Jul	0.00	13.9	303	109	75	58	87	22	926
187 6-Jul	0.55	14.5	341	103	74	59	88	23	949
188 7-Jul	0.00	14.5	244	100	73	56	84	20	969
189 8-Jul	0.00	14.5	324	109	71	55	81	18	987
190 9-Jul	0.00	14.5	294	106	75	57	88	22	1008
191 10-Jul	0.00	14.5	225	98	79	60	88	23	1031
192 11-Jul	0.89	15.4	227	95	77	63	88	25	1056
193 12-Jul	0.10	15.5	252	103	73	60	85	23	1078
194 13-Jul	0.00	15.5	267	97	69	53	80	17	1095
195 14-Jul	0.00	15.5	254	99	68	49	74	12	1107
196 15-Jul	0.00	15.5	183	95	75	54	82	18	1125
197 16-Jul	0.05	15.5	224	102	78	60	82	21	1146
198 17-Jul	0.00	15.5	315	111	79	65	87	26	1171

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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				
199	18-Jul	0.06	15.6	162	103	87	64	95	25	1196
200	19-Jul	0.05	15.6	270	112	81	67	92	27	1223
201	20-Jul	0.00	15.6	319	112	84	66	92	26	1249
202	21-Jul	0.00	15.6	225	104	85	71	97	29	1277
203	22-Jul	0.10	15.7	250	103	80	61	86	24	1301
204	23-Jul	0.13	15.8	266	108	82	64	88	25	1326
205	24-Jul	0.05	15.9	143	100	81	63	90	25	1350
206	25-Jul	0.00	15.9	336	111	75	57	85	21	1371
207	26-Jul	0.00	15.9	332	112	78	59	88	23	1394
208	27-Jul	0.15	16.0	78	84	77	55	86	21	1414
209	28-Jul	0.25	16.3	117	94	79	55	73	14	1428
210	29-Jul	0.05	16.3	322	106	74	60	83	22	1450
211	30-Jul	0.00	16.3	304	109	75	58	86	22	1472
212	31-Jul	0.00	16.3	301	112	78	60	90	23	1495
213	1-Aug	0.00	16.3	182	104	83	59	93	23	1517
214	2-Aug	0.00	16.3	161	107	85	69	89	28	1545
215	3-Aug	0.00	16.3	281	109	82	65	93	26	1570
216	4-Aug	0.00	16.3	190	105	77	55	87	21	1591
217	5-Aug	0.00	16.3	234	107	77	56	85	21	1611
218	6-Aug	0.00	16.3	270	113	81	59	84	22	1633
219	7-Aug	0.00	16.3	259	102	80	61	90	24	1656
220	8-Aug	0.12	16.5	139	95	75	55	84	20	1676
221	9-Aug	0.00	16.5	273	99	75	58	79	19	1694
222	10-Aug	0.00	16.5	271	99	69	48	79	15	1709
223	11-Aug	0.00	16.5	275	103	68	46	75	13	1721
224	12-Aug	0.00	16.5	164	98	72	51	83	17	1738
225	13-Aug	0.36	16.8	126	91	71	53	80	17	1755
226	14-Aug	0.22	17.0	299	97	67	52	75	14	1768
227	15-Aug	0.00	17.0	285	105	66	50	78	14	1782
228	16-Aug	0.00	17.0	280	105	72	51	83	17	1799
229	17-Aug	0.05	17.1	242	104	75	54	83	19	1818
230	18-Aug	0.00	17.1	283	107	68	46	83	17	1834
231	19-Aug	0.00	17.1	274	108	71	48	83	17	1851
232	20-Aug	0.16	17.3	227	101	77	55	90	21	1871
233	21-Aug	0.00	17.3	235	98	71	52	79	16	1887
234	22-Aug	0.00	17.3	278	106	68	45	76	13	1900
235	23-Aug	0.00	17.3	120	91	76	52	84	18	1918
236	24-Aug	0.35	17.6	256	100	74	58	78	18	1936
237	25-Aug	0.00	17.6	288	104	71	53	86	20	1955
238	26-Aug	0.00	17.6	254	103	70	57	82	20	1975
239	27-Aug	0.00	17.6	227	104	75	47	84	17	1992
240	28-Aug	0.00	17.6	239	101	70	53	79	16	2008
241	29-Aug	0.00	17.6	273	104	67	44	74	12	2020
242	30-Aug	0.00	17.6	65	83	73	50	82	16	2036
243	31-Aug	0.20	17.8	227	99	72	55	71	13	2049
244	1-Sep	0.00	17.8	247	106	72	57	84	21	2069
245	2-Sep	0.00	17.8	115	98	83	60	93	23	2092
246	3-Sep	0.73	18.5	53	85	75	62	88	24	2116
247	4-Sep	0.07	18.6	193	82	63	47	74	12	2128
248	5-Sep	0.00	18.6	228	85	58	38	69	10	2138
249	6-Sep	0.00	18.6	252	90	54	35	64	7	2145
250	7-Sep	0.00	18.6	269	91	56	37	69	10	2154
251	8-Sep	0.00	18.6	257	94	61	39	72	11	2165
252	9-Sep	0.00	18.6	223	93	63	46	79	15	2180

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington 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			
253 10-Sep	0.00	18.6	248	99	65	48	78	14	2194
254 11-Sep	0.00	18.6	243	100	67	47	83	17	2210
255 12-Sep	0.00	18.6	228	97	69	51	84	18	2228
256 13-Sep	0.00	18.6	247	92	67	47	86	18	2246
257 14-Sep	0.00	18.6	221	83	57	40	71	11	2256
258 15-Sep	0.00	18.6	248	85	52	28	59	5	2261
259 16-Sep	0.00	18.6	99	73	56	30	60	5	2266
260 17-Sep	0.00	18.6	167	82	55	34	61	6	2271
261 18-Sep	0.00	18.6	32	68	65	48	69	10	2281
262 19-Sep	0.48	19.1	186	82	59	49	59	5	2285
263 20-Sep	0.00	19.1	177	80	54	39	70	10	2295
264 21-Sep	0.00	19.1	123	74	58	42	76	13	2308
265 22-Sep	0.00	19.1	167	80	54	41	64	7	2315
266 23-Sep	0.00	19.1	87	69	52	34	61	6	2321
267 24-Sep	0.00	19.1	130	77	52	32	51	1	2321
268 25-Sep	0.00	19.1	54	69	55	34	61	6	2327
269 26-Sep	1.85	20.9	106	71	57	43	61	6	2332
270 27-Sep	0.41	21.3	105	72	56	46	64	7	2339
271 28-Sep	0.02	21.4	162	78	55	43	64	7	2346
272 29-Sep	0.00	21.4	95	72	55	43	69	10	2356
273 30-Sep	0.30	21.7	176	66	46	38	70	10	2366
274 1-Oct	0.00	21.7	216	71	41	27	59	5	2370
275 2-Oct	0.00	21.7	212	73	41	27	58	4	2374
276 3-Oct	0.00	21.7	198	80	49	36	68	9	2383
277 4-Oct	0.00	21.7	197	81	49	37	74	12	2395
278 5-Oct	0.00	21.7	198	83	50	40	77	14	2409
279 6-Oct	0.00	21.7	189	83	52	42	81	16	2424
280 7-Oct	0.00	21.7	181	83	57	45	80	15	2439
281 8-Oct	0.00	21.7	182	86	62	43	82	16	2455
282 9-Oct	0.00	21.7	181	85	57	44	81	16	2471
283 10-Oct	0.00	21.7	170	83	55	44	79	15	2485
284 11-Oct	0.00	21.7	126	84	60	45	77	14	2499
285 12-Oct	0.00	21.7	83	78	60	48	77	14	2512
286 13-Oct	0.92	22.6	52	71	55	50	74	12	2524
287 14-Oct	0.25	22.8	155	65	50	39	62	6	2530
288 15-Oct	0.00	22.8	174	63	47	41	60	5	2535
289 16-Oct	0.00	22.8	155	67	49	40	60	5	2540
290 17-Oct	0.00	22.8	159	65	44	33	58	4	2544
291 18-Oct	0.00	22.8	91	60	40	28	58	4	2548
292 19-Oct	0.00	22.8	53	53	44	28	53	2	2550
293 20-Oct	0.00	22.8	61	55	44	29	48	0	2550
294 21-Oct	0.00	22.8	169	66	38	23	49	0	2550
295 22-Oct	0.00	22.8	155	70	39	24	57	4	2553
296 23-Oct	0.00	22.8	92	63	41	30	63	7	2560
297 24-Oct	0.20	23.0	157	64	42	30	63	7	2566
298 25-Oct	0.08	23.1	98	72	49	34	62	6	2572
299 26-Oct	0.00	23.1	61	57	45	34	67	9	2581
300 27-Oct	0.00	23.1	106	61	40	33	49	0	2581
301 28-Oct	0.05	23.2	121	59	38	24	54	2	2583
302 29-Oct	0.00	23.2	150	62	37	22	55	3	2585
303 30-Oct	0.00	23.2	29	50	38	26	51	1	2586
304 31-Oct	0.08	23.2	31	52	39	34	50	0	2586

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
1982	1.4	0.1	2.3	3.8	4.0	3.1	2.6	3.2	1.0	1.3	4.8	4.1	31.5
1983	0.4	1.8	2.4	2.0	3.9	2.1	4.5	4.5	3.1	3.6	3.1	2.4	33.8
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
30-year Average	1.1	1.2	2.0	3.5	3.7	4.7	4.0	3.9	3.6	2.5	2.4	1.5	34.2

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
1982	8	19	29	41	62	62	72	68	60	52	36	30	45
1983	23	27	34	43	53	67	75	74	62	51	38	10	46
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	16	45
2011	13	18	28	41	54	65	73	68	57	49	36	27	44
30-year Average	18	22	33	46	57	67	71	69	61	49	36	22	46