

2010 Weather Summary for Arlington, WI

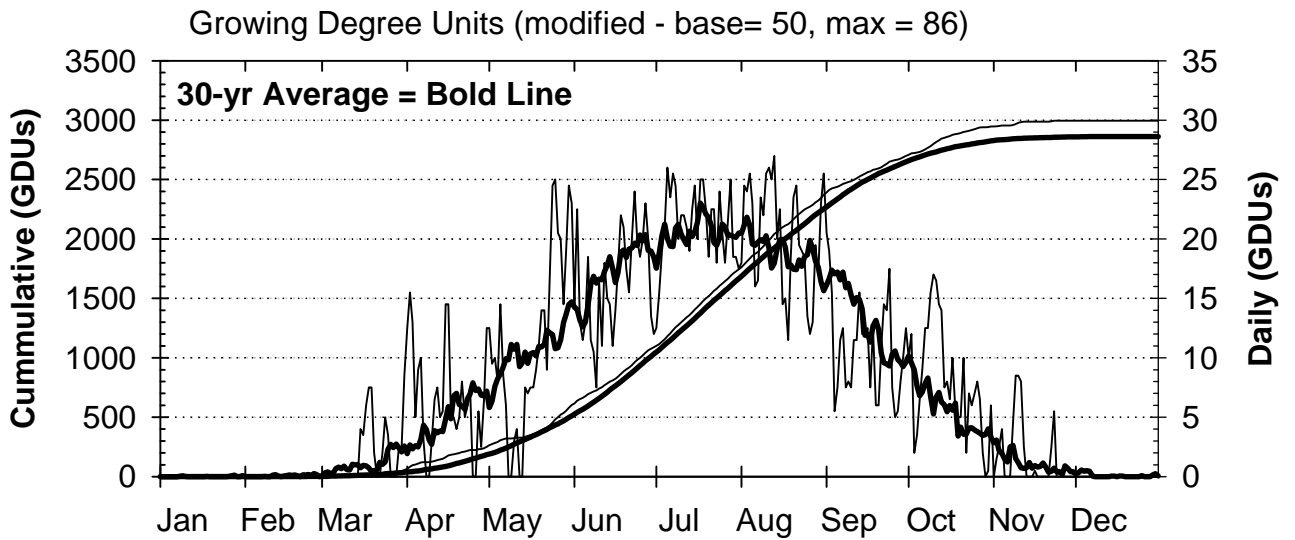
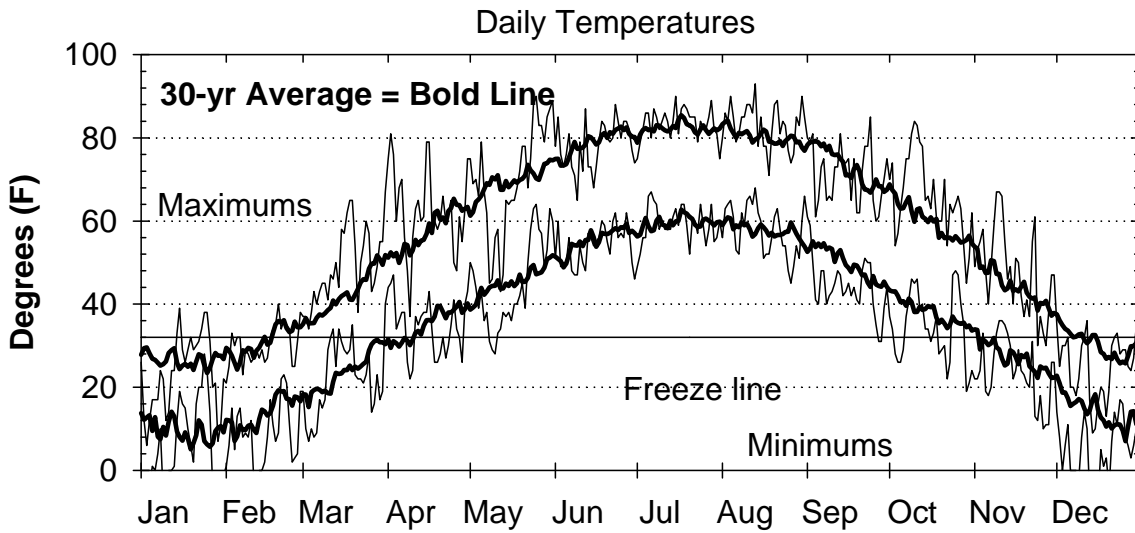
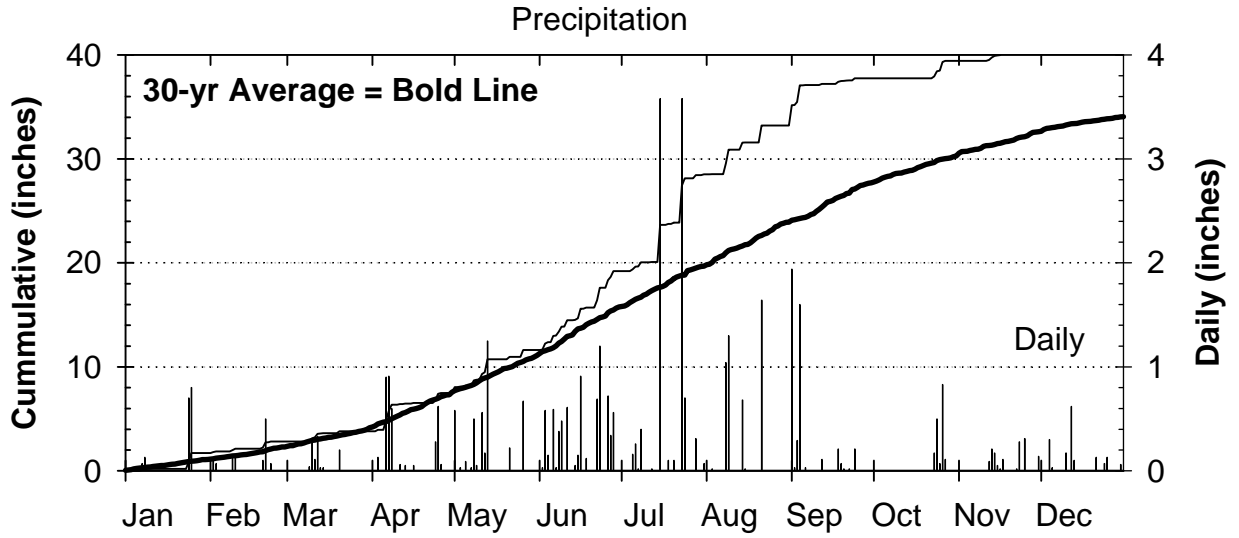


Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2010.

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	3.8	229	71	49	75	44	13	67
92	2-Apr	0.00	3.8	151	69	55	81	45	16	83
93	3-Apr	0.13	4.0	186	61	49	76	47	13	96
94	4-Apr	0.00	4.0	171	62	44	60	34	5	101
95	5-Apr	0.00	4.0	224	70	43	68	36	9	110
96	6-Apr	0.90	4.9	62	58	49	70	38	10	120
97	7-Apr	0.91	5.8	35	50	38	56	38	3	123
98	8-Apr	0.60	6.4	76	43	36	48	26	0	123
99	9-Apr	0.00	6.4	297	61	35	37	22	0	123
100	10-Apr	0.00	6.4	186	61	40	56	24	3	126
101	11-Apr	0.06	6.4	281	68	44	63	37	7	132
102	12-Apr	0.00	6.4	83	54	42	65	35	8	140
103	13-Apr	0.05	6.5	236	64	44	60	37	5	145
104	14-Apr	0.00	6.5	275	75	45	61	38	6	150
105	15-Apr	0.00	6.5	249	75	50	79	38	15	165
106	16-Apr	0.05	6.5	257	69	48	79	43	15	179
107	17-Apr	0.00	6.5	304	66	42	60	34	5	184
108	18-Apr	0.00	6.5	306	73	40	60	26	5	189
109	19-Apr	0.00	6.5	263	72	43	58	26	4	193
110	20-Apr	0.00	6.5	283	78	44	60	28	5	198
111	21-Apr	0.00	6.5	293	75	48	66	32	8	206
112	22-Apr	0.00	6.5	305	76	44	60	27	5	211
113	23-Apr	0.00	6.5	181	67	46	62	30	6	217
114	24-Apr	0.28	6.8	37	55	51	65	35	8	225
115	25-Apr	0.62	7.4	32	52	47	50	41	0	225
116	26-Apr	0.06	7.5	325	68	42	48	34	0	225
117	27-Apr	0.00	7.5	332	69	41	61	32	6	230
118	28-Apr	0.00	7.5	303	71	40	55	26	3	233
119	29-Apr	0.00	7.5	264	72	48	63	40	7	239
120	30-Apr	0.00	7.5	148	75	58	75	43	13	252
121	1-May	0.58	8.1	284	68	55	75	50	13	264
122	2-May	0.00	8.1	251	77	54	69	48	10	274
123	3-May	0.03	8.1	292	74	50	70	44	10	284
124	4-May	0.00	8.1	312	79	48	66	39	8	292
125	5-May	0.09	8.2	322	75	54	79	43	15	306
126	6-May	0.00	8.2	263	79	49	67	36	9	315
127	7-May	0.03	8.2	32	55	47	62	38	6	321
128	8-May	0.50	8.7	167	61	43	45	31	0	321
129	9-May	0.05	8.8	242	67	38	46	29	0	321
130	10-May	0.00	8.8	221	62	41	56	28	3	324
131	11-May	0.56	9.3	39	49	45	58	33	4	328
132	12-May	0.17	9.5	50	52	46	43	34	0	328
133	13-May	1.25	10.7	83	63	48	47	38	0	328
134	14-May	0.00	10.7	308	69	45	65	37	8	335
135	15-May	0.00	10.7	236	70	46	64	38	7	342
136	16-May	0.00	10.7	193	67	47	65	36	8	350
137	17-May	0.00	10.7	300	79	50	65	40	8	357
138	18-May	0.00	10.7	296	80	50	68	40	9	366
139	19-May	0.00	10.7	342	88	51	72	42	11	377
140	20-May	0.00	10.7	273	84	55	78	45	14	391
141	21-May	0.22	11.0	86	71	60	78	39	14	405
142	22-May	0.00	11.0	273	83	59	68	50	9	414
143	23-May	0.00	11.0	305	93	63	75	58	17	431
144	24-May	0.00	11.0	279	97	70	88	63	25	455

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2010.

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	11.0	204	96	70	90	64	25	480
146 26-May	0.67	11.6	248	95	66	83	58	21	501
147 27-May	0.00	11.6	342	95	67	83	57	20	521
148 28-May	0.00	11.6	347	97	61	79	49	15	535
149 29-May	0.00	11.6	332	100	64	85	53	19	554
150 30-May	0.00	11.6	309	102	69	87	63	25	579
151 31-May	0.00	11.6	269	96	70	89	60	23	602
152 1-Jun	0.00	11.6	312	100	63	78	51	15	616
153 2-Jun	0.03	11.7	151	91	64	85	60	23	639
154 3-Jun	0.58	12.2	260	87	62	76	49	13	652
155 4-Jun	0.15	12.4	190	84	63	73	50	12	663
156 5-Jun	0.00	12.4	156	88	64	76	50	13	676
157 6-Jun	0.59	13.0	251	86	60	81	56	19	695
158 7-Jun	0.03	13.0	261	86	62	73	48	12	706
159 8-Jun	0.38	13.4	40	66	62	71	47	11	717
160 9-Jun	0.48	13.9	354	88	59	65	47	8	724
161 10-Jun	0.00	13.9	179	79	60	79	54	17	741
162 11-Jun	0.61	14.5	222	89	63	72	50	11	752
163 12-Jun	0.00	14.5	101	78	69	87	48	18	770
164 13-Jun	0.00	14.5	138	83	67	73	57	15	785
165 14-Jun	0.05	14.5	71	75	65	73	56	15	799
166 15-Jun	0.15	14.7	95	76	64	68	54	11	810
167 16-Jun	0.91	15.6	308	93	63	73	55	14	824
168 17-Jun	0.00	15.6	339	95	65	79	56	18	842
169 18-Jun	0.12	15.7	201	93	70	84	60	22	864
170 19-Jun	0.00	15.7	341	93	67	83	59	21	885
171 20-Jun	0.00	15.7	248	90	66	80	55	18	902
172 21-Jun	0.00	15.7	176	88	67	79	52	16	918
173 22-Jun	0.69	16.4	328	98	70	80	60	20	938
174 23-Jun	1.20	17.6	225	88	69	88	62	24	962
175 24-Jun	0.00	17.6	343	92	65	84	56	20	982
176 25-Jun	0.00	17.6	311	93	65	80	57	19	1000
177 26-Jun	0.72	18.3	290	92	70	84	56	20	1020
178 27-Jun	0.34	18.7	211	87	71	84	62	23	1043
179 28-Jun	0.56	19.2	271	81	65	82	58	20	1063
180 29-Jun	0.00	19.2	365	91	61	77	50	14	1077
181 30-Jun	0.00	19.2	359	94	59	74	46	12	1089
182 1-Jul	0.00	19.2	349	95	63	75	49	13	1101
183 2-Jul	0.00	19.2	351	94	64	79	52	16	1117
184 3-Jul	0.00	19.2	356	96	66	82	56	19	1136
185 4-Jul	0.00	19.2	246	91	73	86	56	21	1157
186 5-Jul	0.16	19.4	107	80	74	86	66	26	1183
187 6-Jul	0.26	19.6	216	88	74	80	67	24	1206
188 7-Jul	0.02	19.7	200	91	73	87	65	26	1232
189 8-Jul	0.40	20.1	299	93	72	85	64	25	1256
190 9-Jul	0.00	20.1	344	98	68	82	58	20	1276
191 10-Jul	0.00	20.1	346	102	70	84	60	22	1298
192 11-Jul	0.00	20.1	224	92	71	86	58	22	1320
193 12-Jul	0.02	20.1	174	91	70	84	58	21	1341
194 13-Jul	0.00	20.1	297	100	70	80	58	19	1360
195 14-Jul	0.00	20.1	284	98	72	84	61	23	1383
196 15-Jul	3.58	23.7	310	89	71	90	63	25	1407
197 16-Jul	0.00	23.7	337	96	68	81	59	20	1427
198 17-Jul	0.00	23.7	335	103	72	87	64	25	1452

Table A-1. Daily Precipitation, Solar Radiation, Soil and Air Temperatures and Growing Degree Units at the Arlington Research Station during 2010.

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	0.10	23.8	275	95	75	88	64	25	1477
200	19-Jul	0.00	23.8	252	99	70	87	59	23	1500
201	20-Jul	0.10	23.9	274	98	69	85	52	19	1518
202	21-Jul	0.00	23.9	342	103	72	85	60	23	1541
203	22-Jul	0.00	23.9	48	80	71	85	60	23	1563
204	23-Jul	3.58	27.4	214	90	74	79	57	18	1581
205	24-Jul	0.70	28.1	264	90	73	84	64	24	1605
206	25-Jul	0.00	28.1	325	96	70	82	59	21	1626
207	26-Jul	0.00	28.1	318	98	67	82	54	18	1644
208	27-Jul	0.00	28.1	290	99	72	85	58	22	1665
209	28-Jul	0.31	28.5	269	90	71	89	64	25	1690
210	29-Jul	0.00	28.5	291	96	66	82	55	19	1709
211	30-Jul	0.00	28.5	124	82	69	81	56	19	1727
212	31-Jul	0.07	28.5	205	93	71	75	60	18	1745
213	1-Aug	0.00	28.5	293	102	69	80	56	18	1763
214	2-Aug	0.00	28.5	158	91	73	86	63	25	1787
215	3-Aug	0.02	28.5	245	102	73	84	64	24	1811
216	4-Aug	0.00	28.5	212	98	78	90	65	26	1837
217	5-Aug	0.00	28.5	297	97	73	85	61	23	1860
218	6-Aug	0.00	28.5	280	97	68	79	53	16	1876
219	7-Aug	0.00	28.5	244	94	68	81	52	17	1892
220	8-Aug	1.04	29.6	173	87	73	85	62	24	1916
221	9-Aug	1.30	30.9	276	96	75	85	59	22	1938
222	10-Aug	0.00	30.9	219	95	75	88	65	26	1963
223	11-Aug	0.00	30.9	270	102	77	88	66	26	1989
224	12-Aug	0.00	30.9	304	108	75	86	64	25	2014
225	13-Aug	0.00	30.9	58	85	74	93	68	27	2041
226	14-Aug	0.68	31.6	176	93	72	78	62	20	2061
227	15-Aug	0.02	31.6	311	91	69	85	60	23	2084
228	16-Aug	0.00	31.6	312	93	64	78	51	15	2098
229	17-Aug	0.00	31.6	186	84	66	78	52	15	2113
230	18-Aug	0.00	31.6	247	95	66	71	52	12	2125
231	19-Aug	0.00	31.6	252	99	69	81	56	19	2143
232	20-Aug	0.00	31.6	169	97	75	88	61	24	2167
233	21-Aug	1.64	33.2	143	88	73	89	63	25	2191
234	22-Aug	0.00	33.2	259	96	71	81	58	20	2211
235	23-Aug	0.00	33.2	288	100	67	84	54	19	2230
236	24-Aug	0.00	33.2	152	88	67	83	54	19	2248
237	25-Aug	0.00	33.2	289	90	61	77	48	14	2262
238	26-Aug	0.00	33.2	290	95	60	74	45	12	2274
239	27-Aug	0.00	33.2	277	96	66	76	49	13	2287
240	28-Aug	0.00	33.2	287	96	67	85	54	20	2306
241	29-Aug	0.00	33.2	258	98	66	83	51	17	2323
242	30-Aug	0.00	33.2	219	96	74	90	60	23	2346
243	31-Aug	0.00	33.2	77	85	76	85	66	26	2372
244	1-Sep	1.94	35.2	106	87	72	80	61	21	2392
245	2-Sep	0.03	35.2	149	88	69	79	59	19	2411
246	3-Sep	0.29	35.5	73	69	60	81	50	16	2427
247	4-Sep	1.60	37.1	263	72	54	61	41	6	2432
248	5-Sep	0.00	37.1	202	77	52	65	40	8	2440
249	6-Sep	0.03	37.1	102	76	63	73	48	12	2451
250	7-Sep	0.00	37.1	93	70	57	75	48	13	2464
251	8-Sep	0.00	37.1	258	81	53	65	40	8	2471
252	9-Sep	0.00	37.1	159	77	56	66	42	8	2479

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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	37.1	249	85	56	65	43	8	2487
254 11-Sep	0.00	37.1	146	78	60	73	45	12	2498
255 12-Sep	0.11	37.2	263	88	57	73	48	12	2510
256 13-Sep	0.00	37.2	264	86	58	81	47	16	2525
257 14-Sep	0.00	37.2	243	89	57	74	42	12	2537
258 15-Sep	0.00	37.2	212	85	59	74	43	12	2549
259 16-Sep	0.00	37.2	95	74	60	75	45	13	2562
260 17-Sep	0.00	37.2	217	85	57	65	42	8	2569
261 18-Sep	0.21	37.4	133	74	57	75	44	13	2582
262 19-Sep	0.07	37.5	55	67	56	62	41	6	2588
263 20-Sep	0.02	37.5	93	73	59	62	40	6	2594
264 21-Sep	0.01	37.5	70	76	68	72	48	11	2605
265 22-Sep	0.02	37.6	159	85	63	78	51	15	2619
266 23-Sep	0.00	37.6	114	86	68	78	50	14	2633
267 24-Sep	0.21	37.8	124	74	60	85	50	18	2651
268 25-Sep	0.00	37.8	172	76	54	65	40	8	2658
269 26-Sep	0.00	37.8	181	76	49	60	35	5	2663
270 27-Sep	0.00	37.8	223	80	46	61	31	6	2669
271 28-Sep	0.00	37.8	177	80	54	66	31	8	2677
272 29-Sep	0.00	37.8	222	83	56	70	39	10	2687
273 30-Sep	0.00	37.8	226	79	56	75	44	13	2699
274 1-Oct	0.00	37.8	173	81	51	70	37	10	2709
275 2-Oct	0.00	37.8	145	65	47	74	34	12	2721
276 3-Oct	0.00	37.8	224	74	42	54	28	2	2723
277 4-Oct	0.00	37.8	221	76	42	57	26	4	2727
278 5-Oct	0.00	37.8	215	77	43	63	26	7	2733
279 6-Oct	0.00	37.8	198	78	46	68	29	9	2742
280 7-Oct	0.00	37.8	210	79	51	75	37	13	2755
281 8-Oct	0.00	37.8	198	80	50	75	41	13	2767
282 9-Oct	0.00	37.8	189	86	56	81	46	16	2783
283 10-Oct	0.00	37.8	187	84	56	84	45	17	2800
284 11-Oct	0.00	37.8	183	85	57	83	46	17	2816
285 12-Oct	0.00	37.8	184	84	56	79	39	15	2831
286 13-Oct	0.00	37.8	178	74	51	78	40	14	2845
287 14-Oct	0.00	37.8	136	69	47	65	34	8	2852
288 15-Oct	0.00	37.8	145	72	47	66	34	8	2860
289 16-Oct	0.00	37.8	178	72	44	63	31	7	2867
290 17-Oct	0.00	37.8	155	68	45	70	33	10	2877
291 18-Oct	0.00	37.8	130	71	45	61	37	6	2882
292 19-Oct	0.00	37.8	164	67	41	60	28	5	2887
293 20-Oct	0.00	37.8	143	69	43	60	29	5	2892
294 21-Oct	0.00	37.8	174	63	42	70	30	10	2902
295 22-Oct	0.00	37.8	170	65	37	54	22	2	2904
296 23-Oct	0.17	37.9	29	62	50	64	26	7	2911
297 24-Oct	0.50	38.4	39	65	59	62	47	6	2917
298 25-Oct	0.07	38.5	62	66	58	64	48	7	2924
299 26-Oct	0.83	39.3	57	65	48	66	47	8	2932
300 27-Oct	0.11	39.4	93	53	45	63	40	7	2939
301 28-Oct	0.00	39.4	69	49	38	54	35	2	2941
302 29-Oct	0.00	39.4	154	53	35	45	19	0	2941
303 30-Oct	0.00	39.4	128	60	40	51	21	1	2941
304 31-Oct	0.00	39.4	156	57	36	62	24	6	2947

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
1981	0.1	2.7	0.6	3.7	0.3	3.6	7.0	4.5	3.4	3.1	1.1	0.9	31.0
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
30-year Average	1.1	1.2	1.9	3.5	3.7	4.7	4.2	4.0	3.6	2.6	2.3	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
1981	20	25	37	49	56	67	70	69	59	47	38	22	47
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
30-year Average	18	22	33	46	57	67	71	69	61	49	36	22	46