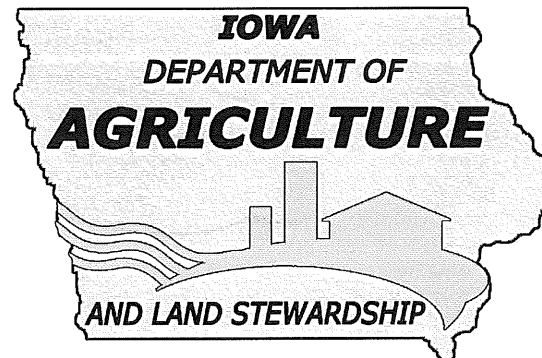


Iowa Department of Agriculture & Land Stewardship
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

IOWA CLIMATE REVIEW

VOLUME 31, NUMBER 8
AUGUST 2017



The cooperation of the National Weather Service offices at Davenport, Johnston (Des Moines), La Crosse, Sioux Falls and Valley (Omaha) and their network of volunteer weather observers across Iowa in providing the data used in compiling this report is gratefully acknowledged.

CONTENTS

Monthly Narrative	1
Monthly Graphs	2
Dew Point & Wind Data	3
Summarized Station Data	4
Daily Temperatures	8
Daily Precipitation	15
Station Index	18
Reference Notes	20

The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Johnston. Some of these data are of a preliminary nature and are subject to change without notice. Differences may exist in data values published here and those subsequently published in the U.S. Department of Commerce report *Climatological Data Iowa* due to use of differing quality control procedures.

IOWA WEATHER SUMMARY – AUGUST 2017

General Summary. Iowa temperatures averaged 68.0° or 3.5° below normal while precipitation totaled 3.99 inches or 0.21 inches less than normal. This ranks as the 15th coolest and 58th wettest August among 145 years of records. A cooler August was last recorded in 2004 and a drier one in 2013.

Temperatures. Mild weather was the rule throughout the month with only five days (1st, 16th-17th, 20th-21st) averaging just slightly warmer than normal. The highest temperatures for the month were 93° readings at Donnellson on the 2nd and at Keosauqua on the 10th. There were no ninety degree readings anywhere in the state after the 19th and most of central and northern Iowa never reached 90 during the month. At Northwood the highest temperature recorded during August was only 81°. Daytime high temperatures reached only 64° at Sheldon on the 3rd and 66° at Sioux City on the 5th. The lowest minimum temperatures were 44° readings at Chariton on the 12th and also at Stanley on the 23rd.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 52% less than normal and 48% less than last August. Thus far this air conditioning season cooling degree day totals are running 16% less than last season at this time and 5% less than normal.

Precipitation. As has been the case all summer rainfall totals varied widely across the state. However, the June and July pattern of wet weather over northeast and east central Iowa and dry elsewhere reversed in August. A wet period from the 14th through the 21st brought the bulk of the month's rain (2.75 inches statewide average). Locally heavy rains fell twice in west central Iowa. The first event was centered across northern Harrison County with 5.16 inches of rain north of Woodbine on the 15th-16th. The second event was more widespread on the morning of the 21st with a maximum reported rain total of 6.47 inches at Denison.

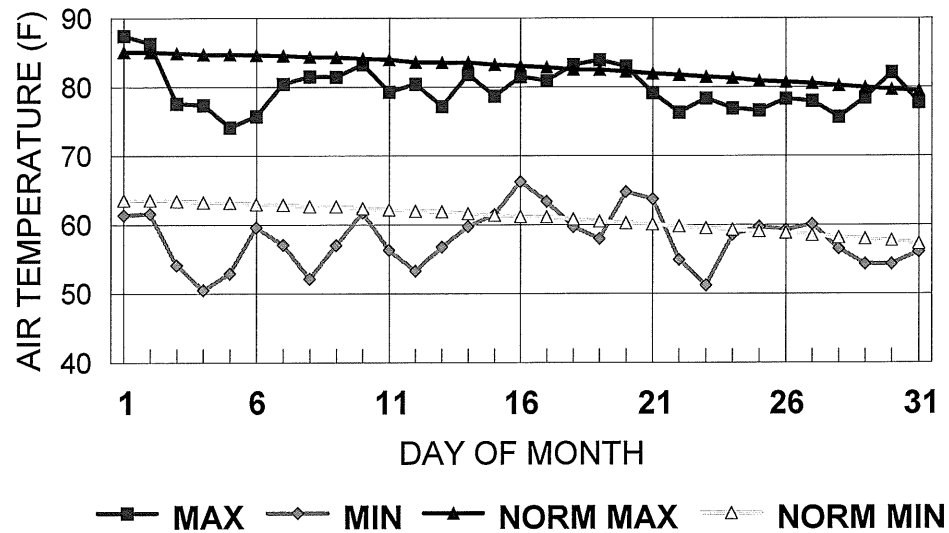
The 21st brought the most widespread rain of the summer and frustrated many Iowan's plans for viewing the solar eclipse that early afternoon. This period of rain greatly reduced or eliminated drought conditions over most of the western one-third of Iowa. However, severe to extreme drought conditions persisted over south central Iowa where August rainfall was still much less than normal, despite being much greater than seen in June or July. Monthly rain totals varied from only 0.50 inches near Muscatine to 10.94 inches near Milford. At Milford this was their highest August total among 81 years of record (old record 8.93 in 1979). Mapleton also set an August record with 10.40 inches among 80 years of record (old record 9.86 in 1962).

Summer Summary. Precipitation averaged below normal for all three summer months with a statewide average of 10.65 inches or 3.06 inches less than normal. The unseasonably cool August cancelled out the relatively hot June and July with a statewide average temperature of 71.3° or 0.3° below normal. This ranks as the 72nd warmest and 38th driest summer among 145 years of records. A lower summer rainfall total has been recorded only twice (2012 and 2013) in the past 14 years. At Fairfield only 3.51 inches of rain fell this summer, breaking the previous summer-time low of 3.77 inches set in 1911 among 137 years of records. Meanwhile Fayette recorded 22.67 inches of rain, their sixth highest summer total among 126 years of record.

Harry J. Hillaker
State Climatologist
Iowa Dept. of Agriculture & Land Stewardship
Wallace State Office Bldg.
Des Moines, IA 50319
Telephone: (515) 281-8981
E-mail: Harry.Hillaker@IowaAgriculture.gov

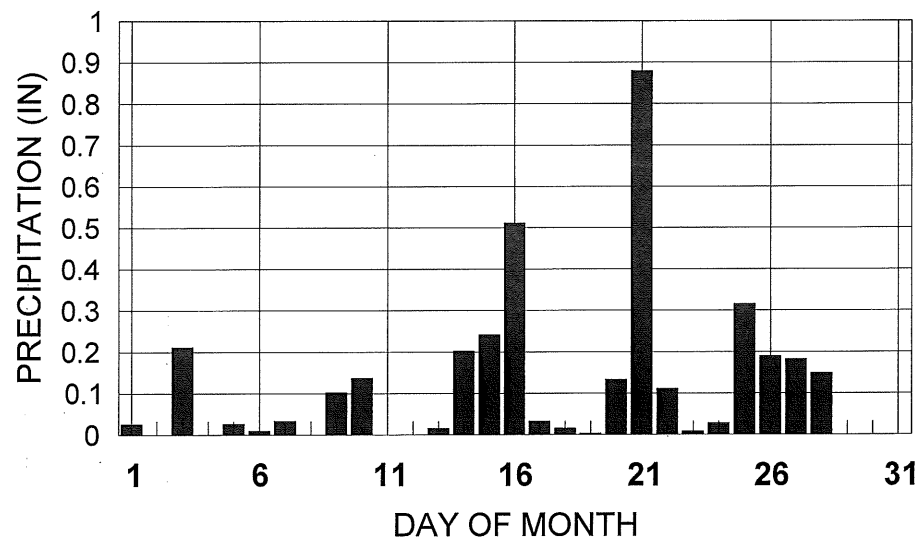
IOWA DAILY MAX & MIN TEMPERATURES

AUGUST 2017 (SELECTED STATIONS)



IOWA AVERAGE DAILY PRECIPITATION

AUGUST 2017 (SELECTED STATIONS)



AUGUST 2017																															IOWA CLIMATE REVIEW				
AIRPORT	DAY OF MONTH																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
PRELIMINARY AVERAGE DAILY DEW POINT TEMPERATURE																																AVG			
Ames	65	66	61	55	57	61	59	56	60	62	57	57	60	65	66	70	65	64	65	70	67	58	56	60	62	64	65	60	60	61	63	61.8			
Burlington	65	67	64	53	57	63	60	56	57	64	62	57	58	65	70	72	66	66	65	69	70	61	54	58	57	60	64	64	62	62	61	62.2			
Cedar Rapids	63	66	62	53	57	62	58	57	58	64	58	54	58	64	65	70	65	61	62	66	67	57	52	58	57	59	64	59	59	59	58	60.4			
Davenport																																#####			
Des Moines	60	62	59	50	54	59	58	52	56	62	55	54	55	64	66	68	62	62	62	66	66	55	52	59	60	62	65	59	60	60	62	59.5			
Dubuque	61	64	61	52	56	58	57	55	56	61	56	53	55	61	63	68	64	60	60	64	66	56	52	53	52	57	60	60	59	60	55	58.5			
Estherville																																#####			
Iowa City																																#####			
Lamoni	63	64	60	51	56	62	59	55	59	65	58	53	57	67	69	69	62	63	59	65	67	56	54	58	60	62	65	60	60	61	62	60.7			
Marshalltown	62	64	59	53	55	59	58	54	55	62	56	55	58	64	64	69	64	63	64	67	66	57	53	59	60	61	64	60	60	61	60	60.2			
Mason City	60	62	55	52	53	58	56	55	57	59	54	54	56	61	60	67	62	59	60	64	63	54	52	58	58	61	60	57	59	59	58	58.2			
Moline, IL	64	65	61	51	56	59	57	54	55	61	57	53	55	62	65	69	65	62	61	65	67	58	52	55	53	57	61	63	60	59	56	59.3			
Omaha, NE	64	65	58	52	56	60	59	58	60	63	58	55	60	63	65	66	60	62	60	66	66	56	55	58	62	66	65	59	58	59	61	60.5			
Ottumwa	59	61	60	50	53	61	58	53	54	64	57	54	55	64	69	71	63	63	63	66	67	57	52	57	58	59	64	59	59	59	60	59.6			
Sioux City	65	65	57	51	55	60	58	58	63	59	59	58	63	62	66	67	62	65	63	67	67	56	58	62	66	67	64	59	60	62	64	61.5			
Sioux Falls, SD	66	61	55	52	56	59	58	58	64	59	59	60	63	60	63	66	62	63	62	65	66	53	58	61	64	64	59	58	60	62	64	60.6			
Spencer																																#####			
Waterloo	59	62	58	51	54	58	55	52	52	59	54	52	55	62	62	67	62	59	59	63	64	55	51	56	55	58	61	58	58	58	56	57.6			
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																																AVG			
Ames	4.1	3.9	12.2	8.2	3.2	3.8	5.6	0.8	5.5	8.5	6.9	2.6	5.1	5.8	5.6	9.2	11.4	4.0	3.7	5.3	9.7	9.8	2.7	5.9	10.8	8.3	4.7	6.6	3.2	1.6	5.1	5.9			
Burlington	1.2	2.7	7.5	8.2	5.5	5.3	7.4	3.4	6.3	8.1	5.8	5.7	4.7	5.8	3.8	9.8	9.2	3.8	5.4	5.7	6.2	9.1	5.2	3.1	6.7	6.2	6.6	3.0	4.1	2.9	8.8	5.7			
Cedar Rapids	2.0	3.9	11.4	11.5	3.5	6.8	5.9	2.6	6.9	8.8	9.0	5.9	4.8	7.3	7.4	10.4	11.8	4.8	4.0	5.1	6.6	11.5	6.4	4.8	9.2	8.3	5.9	6.4	4.6	3.3	9.8	6.8			
Davenport	3.1	1.2	10.0	11.9	4.6	6.5	6.1	2.5	6.8	6.9	6.8	4.9	4.4	4.3	6.1	11.5	12.9	6.5	4.9	5.8	6.8	9.6	5.7	5.1	8.4	7.5	7.3	3.8	3.4	2.7	9.6	6.4			
Des Moines	4.3	4.9	12.1	8.4	5.8	5.8	5.9	3.4	8.3	9.2	8.3	4.2	8.2	7.5	7.4	11.2	13.1	6.0	5.0	5.8	12.3	9.4	3.6	7.9	12.2	9.0	3.6	7.6	4.1	2.5	5.9	7.2			
Dubuque	2.6	2.3	11.9	14.0	4.7	5.6	5.6	2.8	8.4	9.3	7.9	3.4	4.4	6.7	7.4	10.8	13.7	7.0	3.4	5.9	7.8	11.3	7.1	5.7	6.4	8.6	9.6	4.3	5.6	1.8	10.0	7.0			
Estherville	4.2	6.1	11.8	6.6	4.9	5.5	5.0	4.1	10.0	8.7	4.5	4.7	10.9	7.4	7.2	10.2	11.5	4.4	4.9	4.7	6.9	10.1	4.5	9.7	14.0	9.2	5.7	7.0	3.0	2.7	6.4	7.0			
Iowa City	2.3	2.8	9.7	11.5	3.9	5.1	4.9	2.4	6.1	6.0	8.6	3.9	3.9	5.2	5.7	10.2	10.6	5.6	4.6	4.2	8.0	10.5	5.4	4.6	8.3	7.2	4.7	5.6	4.2	2.3	7.2	6.0			
Lamoni	4.0	5.3	12.1	8.1	5.8	4.1	5.5	4.4	7.2	7.0	7.5	3.2	6.6	6.7	5.6	7.5	10.9	6.5	4.6	7.1	8.7	9.3	3.7	5.7	8.0	8.2	5.7	8.3	4.8	3.0	4.5	6.4			
Marshalltown	3.1	5.4	12.0	9.5	4.5	6.2	5.8	2.8	7.3	8.2	7.7	4.3	7.7	9.2	7.8	11.6	11.3	4.4	5.4	6.9	8.5	10.8	4.8	6.2	12.5	9.5	4.8	6.9	4.3	2.7	8.3	7.1			
Mason City	5.3	5.2	13.9	9.9	3.4	4.8	4.3	4.9	7.9	12.6	8.3	4.6	9.0	7.5	7.0	11.0	16.3	4.3	5.2	6.1	5.4	13.0	6.3	6.5	14.0	10.2	6.3	8.3	3.7	4.1	7.7	7.6			
Moline, IL	2.7	2.0	10.1	12.6	3.9	6.1	3.8	2.6	5.3	5.8	6.9	3.5	3.6	4.6	5.0	10.1	12.7	6.5	4.4	4.7	6.8	10.9	6.0	3.4	7.1	6.0	6.2	2.6	2.0	1.7	10.0	5.8			
Omaha, NE	4.7	4.5	12.3	4.6	7.6	5.4	7.1	7.5	10.4	6.6	5.8	6.9	12.1	6.9	11.6	11.3	10.4	6.1	7.8	8.6	16.5	6.9	4.9	13.9	13.5	9.5	6.5	7.1	3.4	2.9	4.9	8.0			
Ottumwa	4.6	6.9	11.9	11.0	5.7	6.1	6.8	4.0	6.6	6.6	9.2	6.2	6.6	7.9	6.7	10.2	10.8	6.1	6.9	6.1	9.3	11.9	6.3	5.2	10.7	8.2	4.5	7.6	6.2	2.9	8.0	7.3			
Sioux City	5.1	5.4	14.5	5.6	7.5	3.8	5.1	4.9	8.6	8.0	5.5	7.2	10.7	5.8	7.4	9.2	9.8	5.3	6.9	6.4	9.8	7.0	5.8	9.8	12.4	6.2	5.6	6.2	3.1	3.4	4.3	7.0			
Sioux Falls, SD	3.5	5.8	10.8	4.7	8.1	6.0	3.5	6.6	8.1	8.4	3.0	9.3	7.1	5.1	8.5	8.0	10.6	7.3	7.1	7.6	6.9	7.4	6.5	12.6	12.9	4.8	6.4	4.1	4.6	2.1	8.3	7.0			
Spencer	4.4	7.5	13.0	7.2	3.9	5.8	5.5	4.7	9.7	7.6	4.6	4.4	11.6	6.7	10.2	10.4	13.5	5.5	5.2	5.4	8.9	9.2	4.6	12.0	15.0	5.6	7.0	7.5	0.9	1.9	7.2	7.3			
Waterloo	3.7	4.9	11.6	9.9	3.5	4.4	6.5	2.4	8.9	9.1	8.4	3.9	7.4	10.0	7.0	10.6	13.1	3.1	3.8	6.3	9.6	10.8	4.7	5.0	12.2	12.3	5.4	5.9	3.4	2.7	7.9	7.0			
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																																MAX			
Ames	32	14	32	24	17	14	21	14	22	24	21	14	19	19	26	24	29	21	22	32	47	27	19	19	29	22	19	22	13	15	17	47			
Burlington	13	11	31	31	18	14	19	14	19	39	25	18	18	22	23	26	23	24	13	21	28	27	18	13	16	15	18	29	16	12	22	39			
Cedar Rapids	12	16	36	30	19	17	22	13	25	26	21	17	14	26	19	25	27	14	18	19	33	28	20	12	22	20	15	18	14	14	19	36			
Davenport	11	14	35	35	16	16	17	15	19	23	21	20	12	27	14	25	33	16	16	18	28	27	21	16	17	18	22	16	11	15	23	35			
Des Moines	26	16	33	28	17	16	24	14	27	28	20	16	20	20	25	26	30	18	27	32	42	29	16	21	29	23	13	23	16	14	21	42			
Dubuque	14	12	34	39	20	15	19	16	21	32	22	16	17	28	18	23	32	19	14	27	24	27	23	14	16	20	45	15	14	13	20	45			
Estherville	28	19	34	19	14	15	14	13	29	22	16	12	32	23	20	28	30	27	15	17	40	25	12	22	27	32	26	21	9	9	18	40			
Iowa City	13	25	34	31	17	16	18	11	21	32	21	20	17	27	18	30	31	14	17	18	38	29	24	15	19	20	13	19	17	12	20	38			
Lamoni	17	18	35	26	21	12	22	12	21	29	20	13	19	17	45	24	29	19	17	53	30	26	13	19	28	21	18	21	14	141					

AUGUST 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW						
				TEMPERATURE (F)																PRECIPITATION (Inches)										
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS			SNOWFALL (Inches)			
				AVG	AVG	DEP	EXT	EXT	MAX	MAX	MIN	MIN	AUG	AUG	17-18	NORM	AUG	AUG	2017	NORM	DEP	EXT					MAX			
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY
NORTHWEST DIVISION																														
Akron																					4.83		1.68	26	17	11	1	0.0	0	
Cherokee	78.7	55.8	67.3	-3.2	89	2	47	4	0	0	0	0	18	23	18	31	94	192	644	650	4.95	1.22	1.47	21	14	9	2	0.0	0	
Emmetsburg	77.9	57.8	67.9	-1.8	89	2	48	4	0	0	0	0	13	22	13	29	108	168	666	574	8.21	3.95	2.77	22	14	11	2	0.0	0	
Estherville Airport	74.8	54.8	64.8	-4.2	85	1	47	3	0	0	0	0	35	23	36	32	38	148	427	540	6.99		2.32	21	13	10	2	0.0	0	
Estherville 4 E	76.2	54.7	65.5	-3.3	88	2	48	4	0	0	0	0	26	32	28	43	50	148	454	526	7.27	3.31	2.40	22	13	10	2	0.0	0	
Everly 3 WNW																					6.05		1.18	22	14	11	3	0.0	0	
Hawarden	78.8	56.3	67.6	-3.6	90	2	50	24	1	0	0	0	10	18	10	25	95	210	687	692	6.32	3.04	2.10	26	12	8	2	0.0	0	
Le Mars	78.1	56.3	67.2	-3.9	88	2	50	23	0	0	0	0	11	18	11	23	87	205	650	700	6.02	2.42	1.88	26	13	11	2	0.0	0	
Orange City																					4.01		1.09	17	14	9	1	0.0	0	
Pocahontas	78.3	57.1	67.7	-3.1	87	2	47	4	0	0	0	0	14	16	14	21	104	197	691	692	6.02	1.33	2.50	22	15	8	2	0.0	0	
Primghar	77.9	59.5	68.7	-3.3	86	2	48	4	0	0	0	0	4	10	4	15	126	227	794	765	5.46	1.81	1.20	21	13	11	3	0.0	0	
Remsen #2																					5.27		1.52	26	12	11	1	0.0	0	
Rock Rapids	77.7	56.1	66.9	-3.8	87	21	49	23	0	0	0	0	15	22	15	29	82	198	604	655	5.23	1.73	2.20	22	13	8	2	0.0	0	
Rock Valley																					5.16	1.57	1.93	17	15	8	1	0.0	0	
Sanborn	76.2	57.2	66.7	-3.3	85	2	48	6	0	0	0	0	21	21	22	30	82	177	583	590	5.36	1.93	1.20	22	13	8	2	0.0	0	
Sheldon	76.2	53.9	65.1	-3.8	84	21	45	24	0	0	0	0	41	34	44	48	50	153	486	514	5.05	1.54	1.16	22	15	8	1	0.0	0	
Sibley	77.1	54.9	66.0	-2.8	87	2	46	5	0	0	0	0	23	29	24	43	62	148	548	516	6.09	2.45	1.93	22	15	10	2	0.0	0	
Sioux Center 2 SE	79.0	56.9	68.0	-3.4	89	1	48	23	0	0	0	0	6	16	6	21	107	216	725	753	5.76	2.28	2.31	21	15	8	2	0.0	0	
Sioux Rapids 4 E	76.0	56.7	66.4	-3.3	86	1	48	23	0	0	0	0	21	22	21	30	71	166	576	601	4.36	-0.05	1.42	21	11	6	1	0.0	0	
Spencer Airport	78.4	55.2	66.8	-3.3	90	1	46	23	1	0	0	0	18	20	18	28	82	179	600	618	6.21		1.57	21	15	9	3	0.0	0	
Spencer 1 N	77.2	56.8	67.0	-3.1	88	1	48	5	0	0	0	0	17	25	17	33	83	183	606	622	8.79	4.96	2.22	21	16	11	3	0.0	0	
Spirit Lake 4 W	76.3	57.7	67.0		89	1	49	4	0	0	0	0	13		13		82		601		8.75		3.00	21	13	9	3	0.0	0	
Storm Lake	77.0	58.9	68.0	-2.8	86	2	52	5	0	0	0	0	7	19	7	25	106	197	679	657	5.61	1.16	1.38	21	14	11	2	0.0	0	
NORTH CENTRAL DIVISION																														
Algona 3 W														24		33		158		544	7.45	3.60	2.07	22	16	12	3	0.0	0	
Allison	76.6	57.1	66.9	-3.7	85	21	49	24	0	0	0	0	16	16	16	21	80	191	527	640	2.06	-1.89	0.91	14	7	4	0	0.0	0	
Britt														26		35		159		560	5.39	1.52	1.05	14	16	12	1	0.0	0	
Charles City	75.0	57.2	66.1	-4.0	84	20	51	23	0	0	0	0	17	20	17	28	60	178	483	598	2.05	-2.10	0.80	14	8	5	0	0.0	0	
Clarion	77.5	55.9	66.7	-4.1	86	21	47	4	0	0	0	0	22	18	22	24	80	198	584	676			1.07	22		1	0.0	0		
Dakota City	77.5	56.3	66.9	-2.8	87	21	47	4	0	0	0	0	17	17	17	23	84	161	598	567	4.15	0.19	1.78	22	13	9	1	0.0	0	
Forest City 2 NNE	74.7	55.7	65.2	-4.8	84	2	45	24	0	0	0	0	34	21	35	28	48	175	453	585	3.76	-0.41	0.87	14	14	9	0	0.0	0	
Hampton	78.5	57.2	67.9	-2.3	88	21	51	5	0	0	0	0	9	20	9	27	103	181	599	611	2.67	-1.55	0.80	14	12	5	0	0.0	0	
Kanawha																					8.01	4.02	2.26	3	14	11	3	0.0	0	
Lake Mills																					2.87	-1.45	0.86	14	13	10	0	0.0	0	
Mason City	76.6	56.6	66.6	-2.4	86	21	51	24	0	0	0	0	12	29	12	40	70	151	509	523	3.26	-0.94	0.83	14	15	7	0	0.0	0	
Mason City Airport	76.8	54.9	65.9	-3.4	85	20	48	5	0	0	0	0	22	27	23	36	59	162	499	556	2.57	-1.47	0.74	14	13	5	0	0.0	0	
Nashua 2 SW																					1.66		0.50	14	8	4	0	0.0	0	
Northwood	72.7	55.0	63.9	-4.4	81	21	49	4	0	0	0	0	56	32	59	46	26	136	340	479	3.11	-1.41	0.67	14	11	8	0	0.0	0	
Osage	76.8	57.8	67.3	-2.4	86	21	51	5	0	0	0	0	11	22	11	30	87	167	590	559	2.86	-1.34	0.67	10	9	7	0	0.0	0	
Saint Ansgar																					3.35		0.76	4	9	7	0	0.0	0	
Swea City 4 W	75.7	54.5	65.1	-4.0	87	2	46	5	0	0	0	0	34	26	37	35	45	153	452	543	6.12	2.25	1.19	14	15	11	2	0.0	0	
NORTHEAST DIVISION																														
Cascade	77.5	56.6	67.1	-3.2	85	3	51	23	0	0	0	0	8	19	10	26	81	183	561	610	2.49	-2.41	1.10	27	10	6	1	0.0	0	
Cresco 1 NE	77.2	54.3	65.8	-2.4	86	21	47	13	0	0	0	0	32	36	32	53	61	135	433	453	1.89	-3.36	0.85	17	10	4	0	0.0	0	
Decorah	78.7	56.7	67.7	-3.1	85	21	48	23	0	0	0	0	10	16	10	22	101	198	565	629	2.05	-2.69	0.82	3	8	5	0	0.0	0	
Dubuque Lock & Dam 11	78.0	58.9	68.5	-4.3	85	17	53	5	0	0	0	0	5	7	6	9	119	249	632	808	3.32	-0.71	1.10	17	11	6	1	0.0	0	

AUGUST 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW											
				TEMPERATURE (F)																PRECIPITATION (inches)															
												NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (inches)			
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	AUG	AUG	17-18	NORM	AUG	AUG	2017	NORM		DEP	EXT					MAX				
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY					
Dubuque Airport	75.9	56.0	66.0	-4.0	85	2	49	23	0	0	0	0	24	19	26	27	64	176	463	576	3.23	-1.17	1.62	27	7	6	1	0.0	0						
Elkader 6 SSW	77.3	53.5	65.4	-4.7	85	3	46	23	0	0	0	0	39	25	43	35	57	181	414	576	1.56	-2.82	0.63	4	9	3	0	0.0	0						
Fayette	77.1	55.8	66.5	-2.9	85	21	50	23	0	0	0	0	19	26	19	38	72	162	480	530	1.34	-3.34	0.36	4	8	5	0	0.0	0						
Guttenberg L & D 10	78.2	59.6	68.9	-3.5	87	2	52	10	0	0	0	0	2	9	3	12	129	236	716	771	0.64	-3.40	0.35	4	7	2	0	0.0	0						
Ionia 2 W																					1.90		0.64	4	7	4	0	0.0	0						
Manchester #2	77.0	54.5	65.8	-3.7	83	17	46	23	0	0	0	0	31	26	35	36	59	166	456	549	1.09	-3.75	0.28	7	7	4	0	0.0	0						
New Hampton	75.1	55.5	65.3	-3.7	83	21	49	23	0	0	0	0	32	27	32	39	51	149	419	489	1.27	-3.49	0.36	22	7	6	0	0.0	0						
Oelwein 1 E	77.7	57.5	67.6	-2.1	84	21	50	24	0	0	0	0	11	14	13	21	99	159	544	531	1.07	-3.41	0.60	4	5	4	0	0.0	0						
Postville	77.1	55.4	66.3		85	3	48	12	0	0	0	0	22		22		69		455		2.08	-2.58	0.87	15	8	5	0	0.0	0						
Stanley 3 WSW	76.2	54.1	65.2		86	21	44	23	0	0	0	0	46		52		60		438		1.36		0.75	4	7	4	0	0.0	0						
Strawberry Point																					1.27		0.63	4	9	4	0	0.0	0						
Tripoli	77.9	56.4	67.2	-2.7	87	21	49	23	0	0	0	0	12	22	12	30	87	175	564	584	1.73	-2.94	0.61	4	7	4	0	0.0	0						
Waterloo Airport	78.6	55.5	67.1	-4.1	87	20	47	23	0	0	0	0	17	16	17	20	89	208	591	712	1.30	-2.97	0.65	21	6	3	0	0.0	0						
WEST CENTRAL DIVISION																																			
Audubon	78.0	54.7	66.4	-4.6	84	15	47	24	0	0	0	0	32	19	32	26	83	203	559	658	8.79	4.87	5.42	21	10	6	2	0.0	0						
Battle Creek 3 NE	78.7	55.6	67.2		87	21	46	5	0	0	0	0	21		21		96		648		9.26		4.76	21	13	9	2	0.0	0						
Carroll	79.8	57.6	68.7	-2.8	87	21	50	24	0	0	0	0	6	16	6	20	131	217	789	719	4.64	0.58	1.28	21	15	10	1	0.0	0						
Castana Exp. Farm	78.9	58.7	68.8	-2.6	87	2	50	4	0	0	0	0	8	15	8	18	134	213	744	700	5.93	2.23	2.06	16	13	9	2	0.0	0						
Denison	78.5	56.9	67.7	-5.3	86	2	49	4	0	0	0	0	15	9	15	11	106	255	680	836	9.53	5.67	6.47	21	13	9	2	0.0	0						
Guthrie Center	80.1	57.0	68.6	-2.8	87	2	48	23	0	0	0	0	16	18	16	24	135	215	764	725	9.94	5.56	4.85	21	11	7	3	0.0	0						
Holly Springs 1 NW																					5.96		1.26	25	14	9	3	0.0	0						
Holstein	76.5	58.7	67.6		84	20	49	4	0	0	0	0	13		13		104		679		8.33	4.30	3.22	21	13	9	3	0.0	0						
Little Sioux 2 NW	79.8	56.1	68.0		87	1	46	5	0	0	0	0	16		16		116		781		8.30		2.75	16	11	9	3	0.0	0						
Logan	80.8	58.5	69.7	-2.8	86	20	48	4	0	0	0	0	6	13	6	16	158	247	845	829	3.67	0.06	2.03	16	10	7	1	0.0	0						
Mapleton #2	78.8	55.5	67.2	-4.0	86	21	48	23	0	0	0	0	21	19	21	24	93	211	647	711	10.40	6.72	2.94	21	13	11	4	0.0	0						
Rockwell City	77.6	58.5	68.1	-2.6	86	21	50	4	0	0	0	0	9	17	9	22	111	192	693	643	4.56	0.02	2.18	22	11	6	2	0.0	0						
Sac City	76.3	56.0	66.2	-3.8	84	21	48	24	0	0	0	0	24	24	24	32	67	179	543	596	5.03	0.64	1.80	22	14	11	1	0.0	0						
Sioux City Airport	79.9	58.0	69.0	-3.1	89	1	49	4	0	0	0	0	8	12	8	15	138	232	831	777	8.16	4.93	2.42	25	11	8	3	0.0	0						
CENTRAL DIVISION																																			
Ames Airport	79.8	56.6	68.2	-2.8	86	20	49	23	0	0	0	0	6	12	6	16	111	197	720	683	4.06		1.65	21	10	7	1	0.0	0						
Ames 8 WSW	79.4	59.4	69.4	-2.6	86	20	49	4	0	0	0	0	5	10	5	13	147	228	803	768	3.34	-1.48	0.83	2	14	7	0	0.0	0						
Ames 5 SE	78.8	55.8	67.3	-3.8	86	2	48	4	0	0	0	0	16	11	16	16	96	200	618	669	2.97	-1.81	0.84	22	11	6	0	0.0	0						
Ankeny	81.2	58.9	70.1	-2.8	87	21	50	6	0	0	0	0	4	9	4	11	168	255	896	838	2.98	-1.41	1.42	21	13	6	1	0.0	0						
Boone	80.4	57.4	68.9	-2.2	89	21	49	23	0	0	0	0	8	16	8	21	135	207	713	658	3.17	-1.77	0.71	21	15	8	0	0.0	0						
Brooklyn																					4.37	-0.21	1.90	15	10	6	1	0.0	0						
Clutier																					2.90	-1.79	1.31	15	11	6	1	0.0	0						
Des Moines Airport	82.8	61.6	72.2	-2.1	90	1	53	4	1	0	0	0	0	5	0	6	232	293	1080	939	3.50	-0.63	1.65	21	12	5	1	0.0	0						
Des Moines Camp Dodge	81.3	59.7	70.5	-2.8	87	18	49	4	0	0	0	0	1	6	1	8	177	263	903	823	3.30	-0.74	1.76	21	13	6	1	0.0	0						
Eldora	77.9	56.3	67.1	-3.7	85	21	48	5	0	0	0	0	15	18	15	24	88	196	602	645	3.43	-0.94	1.11	14	12	7	1	0.0	0						
Fort Dodge 5 NNW	76.2	56.6	66.4	-4.6	84	21	49	4	0	0	0	0	21	17	21	22	72	203	531	677	5.46	0.94	2.05	14	12	9	2	0.0	0						
Gilman																					3.49	-1.07	2.00	15	10	8	1	0.0	0						
Grinnell 3 SW	77.6	54.3	66.0	-4.3	86	3	45	8	0	0	0	0	33	23	33	31	71	188	540	599	5.14	0.56	2.48	15	10	6	2	0.0	0						
Grundy Center	77.1	56.5	66.8	-3.5	84	21	48	8	0	0	0	0	18	22	18	29	79	186	563	626	4.01	-0.22	1.45	14	11	6	2	0.0	0						
Iowa Falls	78.3	56.7	67.5	-3.1	87	2	49	4	0	0	0	0	12	17	12	22	99	192	597	633	5.75	1.69	2.68	14	12	11	1	0.0	0						
Marshalltown	78.6	55.5	67.1	-3.9	86	2	47	5	0	0	0	0	20	18	20	23	90	204	627	678	2.69	-1.84	0.72	15	12	7	0	0.0	0						
Marshalltown Airport	78.5	56.3	67.4	-3.2	86	2	48	23	0	0	0	0	8	15	8	21	91	190	650	656	2.72		0.98	14	9	5	0	0.0	0						
Montezuma 1 W																					5.25	0.82	2.23	15	10	7	1	0.0	0						

AUGUST 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																								IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				TEMPERATURE (F)																PRECIPITATION (Inches)				SNOWFALL (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				AVG	AVG	DEP	EXT	EXT	MAX	MAX	MIN	MIN	AUG	AUG	17-18	NORM	AUG	AUG	2017	NORM	DEP	EXT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

AUGUST 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW							
				TEMPERATURE (F)																PRECIPITATION (Inches)				SNOWFALL (Inches)							
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (Inches)			
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	AUG	AUG	17-18	NORM	AUG	AUG	2017	NORM		DEP	EXT					MAX
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY	
Chariton 1 E	81.3	53.8	67.6	-4.5	89	2	44	12	0	0	0	0	18	14	18	19	106	233	660	708	4.84	0.43	2.35	16	7	5	2	0.0	0		
Creston 2 SW	80.0	57.5	68.8	-3.6	87	20	47	4	0	0	0	0	14	13	14	17	135	242	769	758	2.64	-1.42	1.12	22	7	6	1	0.0	0		
Indianola 4 W	82.5	57.3	69.9	-2.7	89	19	49	12	0	0	0	0	3	9	3	12	164	246		767	2.61	-0.99	0.85	20	8	5	0	0.0	0		
Knoxville	81.2	59.5	70.4	-3.1	89	19	49	4	0	0	0	0	1	8	1	10	173	271	859	854	1.56	-3.09	0.54	22	9	4	0	0.0	0		
Lamoni	83.1	60.5	71.8	-2.7	91	20	50	5	2	0	0	0	1	6	1	7	220	299	1021	930	2.99	-1.53	1.28	22	10	6	1	0.0	0		
Lamoni Airport	82.4	59.9	71.2	-2.5	92	2	48	4	3	0	0	0	3	6	3	8	202	275	944	838	2.90		1.13	21	9	8	1	0.0	0		
Lorimor																					3.16	-0.71	1.12	22	6	6	1	0.0	0		
Mount Ayr	79.5	57.5	68.5	-4.1	88	20	48	4	0	0	0	0	10	11	10	15	123	248	746	740	2.89	-1.35	1.20	22	6	6	1	0.0	0		
Osceola	83.3	57.4	70.4	-2.7	92	20	48	12	4	0	0	0	1	10	1	12	174	263	895	808	2.53	-2.07	1.31	22	6	5	1	0.0	0		
Pella 1 S																					2.20	-2.64	0.81	22	10	7	0	0.0	0		
Rathbun Dam	81.2	58.4	69.8	-3.9	89	11	50	5	0	0	0	0	3	6	3	8	160	275	830	851	4.10	-0.55	2.15	22	12	6	1	0.0	0		
Winterset 1 S														15		19					3.39	-0.29	1.03	16	6	5	1	0.0	0		
SOUTHEAST DIVISION																															
Bloomfield 1 WNW														7		9			277		853	3.50	-1.16	1.75	22	9	6	1	0.0	0	
Brighton																							0.71	21			0	0.0	0		
Burlington Airport	80.3	59.4	69.9	-5.2	88	10	52	4	0	0	0	0	0	3	0	4	157	314	874	1043	4.56	0.29	1.45	28	9	7	1	0.0	0		
Donnellson	83.8	59.3	71.6		93	3	52	4	5	0	0	0	0				210		963		2.67	-1.38	0.99	11	7	4	0	0.0	0		
Fairfield	82.0	59.0	70.5	-3.7	92	11	51	4	2	0	0	0	1	6	1	7	181	289	829	948	1.49	-2.49	0.69	22	5	4	0	0.0	0		
Fort Madison	81.1	61.5	71.3	-4.2	92	1	53	4	3	0	0	0	0	3	0	3	205	328	976	1045	3.26	-0.64	0.74	15	9	6	0	0.0	0		
Keokuk Lock & Dam 19	80.5	61.1	70.8	-4.2	89	11	54	24	0	0	0	0	0	3	0	3	186	313	909	999	4.25	0.62	2.70	22	6	3	1	0.0	0		
Keosauqua	82.8	58.1	70.5		93	11	51	23	4	0	0	0	0	7	0	8	179	298	886	943	2.58	-1.17	0.98	11	8	6	0	0.0	0		
Mount Pleasant 1 SSW	81.0	56.6	68.8	-5.3	88	11	50	9	0	0	0	0	2	6	2	7	130	288	747	927	1.50	-2.51	0.65	22	5	5	0	0.0	0		
Oskaloosa	81.9	57.5	69.7	-2.5	88	19	50	4	0	0	0	0	0	12	0	14	156	236	780	760	1.96	-2.67	0.86	15	9	4	0	0.0	0		
Ottumwa Airport	83.3	57.8	70.6	-2.4	91	18	50	12	4	0	0	0	0	9	0	11	180	255	925	834	1.77	-2.84	0.37	3	7	7	0	0.0	0		
Ottumwa 5 W																					3.68		1.89	16	10	7	1	0.0	0		
Salem 1 S																					1.19		0.52	22	6	3	0	0.0	0		
Sigourney	81.1	56.8	69.0	-3.4	90	3	50	5	2	0	0	0	4	11	4	14	136	242	773	767	2.27	-2.63	1.15	15	7	5	1	0.0	0		
Washington	80.8	55.8	68.3	-4.1	89	11	48	9	0	0	0	0	5	10	5	13	116	240	701	778	3.38	-0.79	1.10	21	8	4	1	0.0	0		
SUPPLEMENTAL STATIONS																															
Moline Airport	81.0	58.4	69.7	-3.8	87	15	51	13	0	0	0	0	1	6	1	8	153	269	811	883	0.68	-3.84	0.19	21	7	3	0	0.0	0		
Omaha Eppley AP	83.1	62.0	72.6	-2.0	90	1	52	4	1	0	0	0	0	7	0	8	241	303	1129	980	3.29	-0.53	1.07	21	9	6	1	0.0	0		
Sioux Falls WFO AP	78.6	57.6	68.1	-2.5	89	1	48	4	0	0	0	0	6	23	6	31	113	198	674	625	5.42	2.37	2.15	21	11	4	3	0.0	0		
DIVISIONAL AND STATE AVERAGES																															
Northwest	77.3	56.5	66.9	-3.4	90	2	45	24	0	0	0	0	17	21	18	29	84	185	612	632	5.99	2.21	3.00	21	14	9	2	0.0	0		
North Central	76.2	56.2	66.2	-3.4	88	21	45	24	0	0	0	0	23	23	23	31	67	167	512	573	3.83	-0.28	2.26	3	12	8	1	0.0	0		
Northeast	77.3	56.0	66.7	-3.5	87	21	44	23	0	0	0	0	21	20	22	28	80	181	515	594	1.74	-2.89	1.62	27	8	4	0	0.0	0		
West Central	78.7	57.1	67.9	-3.7	89	1	46	5	0	0	0	0	15	15	15	20	113	218	708	726	7.32	3.43	6.47	21	12	9	2	0.0	0		
Central	79.1	57.0	68.1	-3.3	90	1	45	24	0	0	0	0	13	15	13	20	115	213	694	701	3.76	-0.70	2.68	14	12	7	1	0.0	0		
East Central	78.8	56.6	67.7	-4.1	89	2	46	23	0	0	0	0	11	12	12	16	103	224	642	740	1.88	-2.62	1.48	3	9	5	0	0.0	0		
Southwest	80.6	58.1	69.4	-3.7	88	3	48	23	0	0	0	0	8	9	8	11	150	261	807	842	4.67	0.86	3.43	21	8	7	1	0.0	0		
South Central	81.5	57.8	69.7	-3.3	92	20	44	12	1	0	0	0	5	10	5	13	156	256	817	791	3.17	-1.12	2.57	22	8	6	1	0.0	0		
Southeast	81.7	58.4	70.1	-3.6	93	11	48	9	2	0	0	0	1	7	1	8	167	277	851	890	2.72	-1.54	2.70	22	8	5	0	0.0	0		
State	78.9	57.0	68.0	-3.5	93	11	44	23	0	0	0	0	13	15	14	20	113	217	677	713	3.99	-0.21	6.47	21	10	7	1	0.0	0		

AUGUST 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	OBS		DAY OF MONTH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

AUGUST 2017				DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																														IOWA CLIMATE REVIEW					
STATION	OBS TIME			1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG			
NORTH CENTRAL DIVISION																																							
Algona 3 W	7	MAX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M					
		MIN	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M					
Allison	7	MAX	82	84	83	73	74	75	75	78	80	80	80	76	77	73	79	72	81	75	76	80	85	77	72	75	71	73	73	76	68	74	79	76.6					
		MIN	60	60	61	50	52	54	61	54	58	58	56	56	56	57	59	59	64	58	57	60	64	60	50	49	58	58	59	56	53	55	57	57.1					
Charles City	22	MAX	83	82	73	74	74	74	76	79	78	77	74	76	70	78	70	80	74	73	79	84	72	72	74	71	71	71	76	67	73	80	71	75.0					
		MIN	59	60	55	51	52	54	60	52	56	61	56	55	54	59	59	64	65	58	55	62	63	59	51	56	57	58	61	58	54	53	57	57.2					
Clarion	7	MAX	83	86	83	72	76	72	75	79	82	79	80	76	79	77	80	70	81	76	79	80	86	70	73	77	69	75	76	78	73	78	81	77.5					
		MIN	57	60	62	47	48	51	57	53	53	56	54	50	53	62	58	58	63	55	57	58	66	59	49	48	60	61	62	56	52	53	55	55.9					
Dakota City	8	MAX	83	86	83	70	77	71	74	79	82	77	80	79	80	77	80	69	78	77	80	81	87	69	71	77	76	76	76	79	72	78	80	77.5					
		MIN	56	60	61	47	49	59	57	52	52	55	54	50	58	59	57	58	64	58	58	60	64	58	51	51	60	60	61	56	53	53	54	56.3					
Forest City 2 NNE	7	MAX	82	84	78	67	73	72	74	76	79	73	75	73	77	76	72	70	77	73	74	78	83	77	70	74	69	73	71	74	68	76	78	74.7					
		MIN	60	59	60	50	50	54	58	57	57	57	53	53	53	60	56	58	63	58	54	54	64	56	45	45	58	58	59	57	53	53	56	55.7					
Hampton	7	MAX	83	87	86	72	78	74	77	81	82	82	82	79	81	75	79	72	80	76	80	82	88	72	75	79	70	74	76	80	71	77	83	78.5					
		MIN	59	62	63	51	51	52	57	52	54	60	56	54	54	56	59	59	63	59	58	59	66	60	53	54	58	58	58	58	55	55	59	57.2					
Mason City	7	MAX	82	85	82	73	76	74	75	77	81	78	78	75	77	73	78	70	81	75	75	80	86	72	74	77	70	73	73	78	70	78	80	76.6					
		MIN	59	59	61	52	52	54	59	54	54	57	56	54	54	55	57	58	64	58	56	56	64	60	51	51	59	58	59	60	54	54	55	56.6					
Mason City Airport	24	MAX	85	83	72	76	73	76	79	81	79	79	77	80	75	79	69	81	76	77	80	85	73	73	76	70	73	73	78	71	79	81	73	76.8					
		MIN	57	58	50	50	48	55	54	50	53	57	54	50	52	58	53	64	61	56	52	63	63	52	49	59	58	58	57	52	51	52	56	54.9					
Northwood	7	MAX	77	80	78	67	71	70	71	75	76	72	72	72	74	70	73	67	76	71	68	76	81	76	77	72	68	66	67	73	67	74	76	72.7					
		MIN	56	58	59	49	50	52	57	52	52	54	55	52	53	54	55	58	63	57	53	56	63	57	55	51	56	56	59	56	53	52	52	55.0					
Osage	7	MAX	83	84	83	74	72	74	76	78	81	78	78	78	78	72	79	71	81	75	72	80	86	75	74	76	73	72	72	77	70	77	81	76.8					
		MIN	61	62	64	52	51	53	60	52	58	60	56	56	57	60	59	61	65	59	56	56	66	60	52	55	58	58	60	59	55	55	57	57.8					
Swea City 4 W	7	MAX	81	87	78	66	77	72	71	77	81	74	75	75	77	76	72	69	77	76	76	79	85	78	73	76	68	72	72	78	71	76	81	75.7					
		MIN	55	57	61	46	46	47	57	54	54	56	53	52	53	57	54	57	64	55	52	53	63	54	50	50	60	59	57	55	52	53	55	54.5					
NORTHEAST DIVISION																																							
Cascade	7	MAX	81	83	85	79	74	77	78	78	80	80	82	75	76	76	78	72	83	77	77	80	78	80	75	76	76	72	73	75	74	76	78	77.5					
		MIN	58	62	63	53	53	54	61	52	52	55	59	51	52	54	59	62	63	61	58	58	62	63	51	53	53	53	59	58	57	53	54	56.6					
Cresco 1 NE	7	MAX	81	84	85	74	74	75	77	80	81	79	80	77	81	72	79	70	82	72	73	81	86	74	74	76	75	73	70	78	73	76	81	77.2					
		MIN	55	58	61	49	53	49	56	49	50	58	55	47	47	55	57	61	63	56	49	59	64	59	48	48	53	55	58	59	50	50	51	54.3					
Decorah	16	MAX	85	81	81	75	76	76	78	81	81	80	80	78	79	78	78	83	81	73	80	85	85	75	76	75	75	70	79	77	74	83	81	78.7					
		MIN	55	60	65	53	51	57	59	50	52	64	58	49	50	55	59	63	66	57	53	58	64	61	48	49	55	60	61	61	54	53	59	56.7					
Dubuque Lock & Dam 11	6	MAX	83	84	84	82	72	78	82	81	80	81	83	74	75	75	78	74	85	78	78	84	80	82	74	75	75	72	69	74	74	75	77	78.0					
		MIN	60	63	66	54	53	57	62	57	58	59	60	57	57	59	60	62	62	61	60	60	65	63	55	56	55	56	57	58	58	58	58	58.9					
Dubuque Airport	24	MAX	82	85	79	72	76	76	78	79	78	81	73	76	72	76	72	82	76	77	79	76	78	74	75	74	69	68	73	74	76	79	69	75.9					
		MIN	60	60	54	53	52	59	55	50	53	60	54	50	52	57	61	63	65	59	56	61	62	55	49	53	55	55	55	55	57	53	53	56.0					
Elkader 6 SSW	7	MAX	82	83	85	78	73	76	78	78	80	79	81	75	77	74	77	72	83	75	76	81	80	78	74	76	74	71	70	80	73	75	81	77.3					
		MIN	55	57	60	52	49	51	58	48	50	54	56	47	46	47	57	60	63	57	53	54	59	62	46	48	49	52	56	58	51	51	52	53.5					
Fayette	7	MAX	81	83	83	78	73	75	78	78	80	79	81	76	77	71	80	72	82	74	75	80	85	79	73	76	75	73	70	78	72	74	80	77.1					
		MIN	58	58	62	50	51	52	59	51	52	58	56	52	50	53	59	62	63	58	54	55	64	61	50	52	55	55	58	60	55	52	54	55.8					

AUGUST 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																									IOWA CLIMATE REVIEW						
	OBS		DAY OF MONTH																															
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Guttenberg L & D 10	24	MAX	86	87	79	74	80	80	80	82	82	82	77	78	75	78	74	83	77	76	82	81	81	74	77	75	71	70	79	74	77	82	72	78.2
		MIN	64	66	57	54	56	63	63	55	59	52	61	53	55	60	65	65	68	62	57	63	65	62	53	55	58	58	63	62	59	54	62	59.6
Manchester #2	7	MAX	81	83	83	78	73	75	76	76	79	79	81	75	76	73	79	71	83	76	77	81	79	80	74	76	75	72	71	77	72	75	80	77.0
		MIN	56	59	61	51	49	52	58	49	51	54	56	47	48	52	57	61	63	59	55	57	61	63	46	48	54	53	58	57	54	49	50	54.5
New Hampton	8	MAX	80	82	82	73	72	73	75	76	76	79	78	74	76	69	78	70	79	73	72	79	83	74	71	74	73	70	70	76	69	72	80	75.1
		MIN	59	60	60	49	50	58	59	51	55	56	56	52	53	57	58	61	64	56	53	52	62	59	49	51	55	55	58	57	55	51	51	55.5
Oelwein 1 E	7	MAX	82	84	84	78	74	75	79	78	80	80	82	76	77	72	80	75	84	76	75	82	84	77	74	76	74	72	71	80	71	76	81	77.7
		MIN	62	63	64	50	51	55	61	55	57	58	56	54	56	59	60	62	63	57	57	58	66	63	50	50	56	56	56	59	56	56	58	57.5
Postville	7	MAX	81	84	85	77	75	76	76	80	81	79	80	78	78	73	76	72	81	73	73	80	84	77	73	75	73	70	75	77	73	74	81	77.1
		MIN	60	60	60	53	53	56	56	51	56	59	57	48	50	50	59	61	61	58	51	53	63	61	50	49	55	55	56	58	54	52	53	55.4
Stanley 3 WSW	7	MAX	82	82	83	79	72	76	77	76	78	79	80	73	75	71	74	72	82	74	75	80	86	78	71	74	74	70	70	78	69	74	79	76.2
		MIN	55	58	60	49	47	50	58	47	47	57	54	48	47	49	57	61	62	58	52	62	61	61	44	48	55	55	57	55	53	53	56	54.1
Tripoli	7	MAX	83	85	86	76	76	75	76	79	81	80	81	78	77	71	80	72	83	76	76	81	87	80	74	77	74	73	72	80	71	74	82	77.9
		MIN	60	60	61	50	52	54	60	52	54	58	57	53	54	55	60	61	64	57	55	55	65	60	49	50	56	57	59	57	54	54	54	56.4
Waterloo Airport	24	MAX	85	86	78	77	76	79	81	82	82	84	78	79	75	80	74	84	79	79	82	87	78	74	77	72	74	75	79	70	75	82	74	78.6
		MIN	57	60	52	50	49	59	54	48	54	60	53	52	51	61	59	65	63	57	55	65	63	52	47	56	57	57	58	55	52	51	50	55.5
WEST CENTRAL DIVISION																																		
Audubon	8	MAX	81	84	82	71	74	69	75	76	78	78	80	76	79	77	84	81	81	79	83	81	83	79	72	77	75	77	79	78	74	76	79	78.0
		MIN	52	57	61	48	48	49	57	49	52	54	55	48	48	60	59	63	63	54	58	57	61	59	47	47	59	60	62	55	51	51	52	54.7
Battle Creek 3 NE	8	MAX	83	83	83	70	78	69	74	78	82	78	79	78	82	78	83	71	80	80	83	82	87	81	73	79	72	80	79	79	76	79	81	78.7
		MIN	58	58	63	46	46	56	57	48	54	59	51	50	60	62	58	61	64	55	53	55	65	56	47	52	62	63	60	52	51	50	53	55.6
Carroll	7	MAX	83	86	84	72	77	71	78	79	81	79	82	81	81	78	85	77	82	81	83	81	87	82	75	79	76	79	81	79	75	79	82	79.8
		MIN	58	63	64	51	52	56	60	52	53	61	57	51	51	61	59	60	66	59	58	59	67	61	50	50	61	61	64	59	54	54	55	57.6
Castana Exp. Farm	8	MAX	81	87	83	72	77	66	78	76	82	77	81	78	82	79	81	83	77	80	82	83	84	81	74	78	75	79	79	79	75	77	79	78.9
		MIN	61	61	63	50	53	58	53	56	59	61	56	55	57	61	61	63	64	65	57	64	64	58	53	55	60	62	65	56	55	56	58	58.7
Denison	7	MAX	83	86	85	69	75	70	75	76	80	76	78	78	78	81	83	82	79	77	85	83	84	79	72	78	74	78	78	79	72	79	81	78.5
		MIN	60	60	60	49	50	55	58	56	56	60	55	55	55	55	59	60	63	60	56	56	63	58	52	52	60	60	62	55	54	54	56	56.9
Guthrie Center	8	MAX	85	87	86	74	77	73	76	78	81	82	83	79	81	79	86	79	83	80	84	82	85	83	74	78	78	78	82	79	73	77	82	80.1
		MIN	56	64	63	50	49	53	57	50	54	58	56	48	58	60	59	64	64	56	60	64	65	58	48	58	60	59	63	56	51	53	54	57.0
Holstein	22	MAX	84	84	72	74	67	73	75	79	75	76	76	78	77	77	69	78	77	79	80	84	79	71	76	72	77	76	78	74	77	78	80	76.5
		MIN	63	60	54	49	54	60	58	59	60	60	55	57	59	62	59	64	62	60	55	65	63	55	53	61	60	63	62	53	54	59	61	58.7
Little Sioux 2 NW	7	MAX	87	85	83	74	77	67	77	77	80	77	80	80	80	80	84	85	78	79	81	84	83	84	76	77	78	81	80	81	79	78	81	79.8
		MIN	60	60	60	46	46	57	57	51	51	59	51	51	52	61	65	65	61	61	54	54	63	57	49	49	59	64	64	57	51	51	54	56.1
Logan	8	MAX	84	86	85	74	78	71	78	74	83	80	81	81	83	80	85	86	81	81	83	86	83	82	76	80	79	82	83	81	77	79	82	80.8
		MIN	62	61	65	48	53	60	57	53	57	59	55	54	56	62	63	66	64	60	56	56	67	62	51	56	62	63	65	55	54	54	57	58.5
Mapleton #2	7	MAX	84	86	81	71	77	66	72	77	82	77	80	78	81	78	81	78	78	80	83	85	86	81	74	78	76	80	79	80	76	78	79	78.8
		MIN	60	58	59	48	49	54	56	50	50	61	52	51	52	60	60	62	62	58	54	61	61	55	48	49	61	61	61	52	50	51	55	55.5
Rockwell City	7	MAX	81	86	82	72	75	71	75	77	79	76	79	77	79	77	81	71	83	79	78	80	86	81	74	76	74	76	77	79	71	75	78	77.6
		MIN	60	63	64	50	53	57	60	56	56	57	56	54	54	60	58	61	68	59	58	59	68	60	54	60	60	61	63	56	54	55	58	58.5

AUGUST 2017				DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																																IOWA CLIMATE REVIEW			
STATION	OBS TIME			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG				
Sac City	7	MAX	80	84	81	71	74	69	72	76	78	75	78	76	78	77	80	67	79	78	78	79	84	78	73	75	72	74	75	78	74	76	77	76.3					
		MIN	57	61	61	50	51	51	59	52	52	55	56	52	58	59	56	57	64	57	56	60	62	58	49	48	59	59	60	57	54	53	53	56.0					
Sioux City Airport	24	MAX	89	86	74	79	66	76	80	82	79	80	82	81	79	85	75	78	82	83	83	86	81	75	78	75	82	80	81	79	79	81	82	79.9					
		MIN	64	60	50	49	55	60	57	51	60	57	54	54	63	60	62	66	60	62	54	64	63	56	52	61	64	65	58	54	53	53	56	58.0					
CENTRAL DIVISION																																							
Ames Airport	24	MAX	86	86	76	77	76	79	80	82	83	83	80	81	78	82	72	83	79	83	83	86	81	74	78	77	76	79	80	73	80	83	78	79.8					
		MIN	60	60	54	49	49	57	56	50	52	59	53	49	57	60	58	66	60	57	59	65	65	53	49	58	62	59	60	56	54	53	56	56.6					
Ames 8 WSW	16	MAX	84	85	85	74	75	76	77	79	81	81	81	80	79	77	81	79	81	80	81	86	85	78	75	78	75	78	77	78	76	80	80	79.4					
		MIN	62	63	63	49	52	58	61	57	55	61	58	55	59	60	59	65	65	59	60	67	66	59	52	60	61	60	65	58	56	56	60	59.4					
Ames 5 SE	6	MAX	82	86	85	76	76	75	77	79	81	82	84	78	80	76	81	70	81	78	81	82	85	81	72	77	76	75	79	78	71	79	81	78.8					
		MIN	57	60	60	48	49	50	57	52	51	56	58	50	50	58	59	59	65	57	57	59	66	60	49	49	59	59	59	57	54	53	54	55.8					
Ankeny	8	MAX	84	87	86	78	78	78	78	80	83	84	86	80	82	80	85	75	85	82	83	85	87	84	75	78	79	78	82	80	73	80	83	81.2					
		MIN	60	63	67	52	50	50	59	53	55	61	60	52	53	62	62	66	66	60	61	65	67	63	53	57	62	60	61	58	55	56	58	58.9					
Boone	8	MAX	84	87	86	76	78	74	79	81	83	82	83	80	82	82	83	71	83	80	83	83	89	80	75	78	77	78	80	80	72	79	83	80.4					
		MIN	59	61	64	49	50	56	61	52	56	60	56	51	55	55	60	62	65	57	59	61	65	58	49	53	60	61	62	56	54	55	57	57.4					
Des Moines Airport	24	MAX	90	89	81	80	76	79	82	84	86	88	83	84	81	87	79	86	84	89	87	81	85	78	80	81	81	83	80	74	82	84	83	82.8					
		MIN	63	66	56	53	56	62	62	58	60	65	61	56	63	63	66	69	67	61	65	69	66	59	55	62	63	62	64	60	57	60	62	61.6					
Des Moines Camp Dodge	24	MAX	87	87	78	80	76	78	81	84	84	87	82	83	79	85	73	84	83	87	84	84	82	78	79	79	78	82	80	72	80	83	80	81.3					
		MIN	61	63	52	49	56	61	63	55	62	63	58	52	62	65	63	68	63	59	62	67	65	57	52	61	64	62	61	56	53	57	60	59.7					
Eldora	7	MAX	84	85	84	74	76	76	77	78	80	81	83	76	78	77	79	71	80	76	78	81	85	79	73	77	72	75	78	78	68	76	80	77.9					
		MIN	59	59	61	48	48	51	58	52	53	56	54	53	55	59	60	60	64	58	58	59	65	59	50	50	58	57	58	56	55	55	57	56.3					
Fort Dodge 5 NNW	7	MAX	80	84	81	70	75	70	73	77	78	77	78	76	80	76	78	67	76	77	77	79	84	70	72	75	74	75	77	78	72	78	78	76.2					
		MIN	58	61	61	49	52	54	58	53	53	59	55	52	53	61	58	61	64	58	57	59	65	57	50	50	60	60	62	56	52	52	55	56.6					
Grinnell 3 SW	7	MAX	81	85	86	71	76	74	75	78	80	83	83	78	80	76	80	73	80	77	81	80	78	81	73	77	73	72	77	74	69	76	80	77.6					
		MIN	55	56	59	51	46	47	56	45	47	53	55	47	55	56	58	60	66	54	58	61	60	63	46	46	59	56	56	57	53	50	51	54.3					
Grundy Center	8	MAX	81	84	83	75	77	76	78	78	79	80	81	76	78	74	78	72	80	76	77	79	84	77	72	75	72	73	76	77	68	75	79	77.1					
		MIN	57	59	63	51	49	58	59	48	52	59	56	50	53	58	59	61	65	59	57	61	61	61	50	53	58	56	58	57	54	53	55	56.5					
Iowa Falls	7	MAX	83	87	84	73	78	76	79	80	82	81	82	78	80	75	79	71	79	76	80	80	86	77	74	78	72	74	76	79	69	77	81	78.3					
		MIN	59	60	63	49	50	52	58	51	52	58	57	53	54	60	60	60	64	58	57	63	66	59	51	53	55	58	58	56	54	54	56	56.7					
Marshalltown	7	MAX	84	86	85	77	76	76	78	80	82	82	84	78	81	77	79	70	82	77	79	83	83	77	73	76	72	75	78	79	69	78	80	78.6					
		MIN	57	59	61	50	47	48	60	48	48	54	55	48	50	59	57	61	65	57	60	61	65	62	49	49	60	57	58	56	53	54	54	55.5					
Marshalltown Airport	24	MAX	86	86	78	78	78	79	80	82	82	84	79	80	77	79	71	83	77	80	81	83	77	74	77	72	75	78	79	69	78	81	71	78.5					
		MIN	59	58	51	49	49	56	54	49	55	59	53	50	55	61	59	65	59	57	60	66	65	53	48	59	60	56	60	56	52	54	57	56.3					
Newton	7	MAX	83	86	86	80	78	78	76	79	80	85	85	78	81	78	82	73	85	79	82	82	81	85	74	77	74	75	81	78	70	78	81	79.7					
		MIN	59	62	64	51	50	53	58	56	56	56	58	55	55	58	61	62	66	60	59	59	67	63	55	55	60	57	57	57	55	55	57	57.9					
Perry	7	MAX	85	87	85	76	77	74	80	80	83	83	84	80	83	81	84	74	84	80	84	84	86	81	75	79	80	81	82	80	72	79	82	80.8					
		MIN	60	60	63	51	51	52	60	52	52	59	56	50	51	61	58	59	65	58	59	63	67	61	50	50	62	62	62	56	53	53	55	57.1					
Toledo 3 N	7	MAX	83	84	83	77	75	77	80	78	82	82	82	76	79	76	79	71	82	77	79	81	81	77	73	75	74	75	77	77	69	76	79	77.9					
		MIN	55	57	59	49	49	50	56	49	51	56	56	49	51	56	58	58	65	58	58	58	65	62	51	51	56	56	57	56	53	52	52	55.1					

AUGUST 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																									IOWA CLIMATE REVIEW						
	OBS		DAY OF MONTH																															
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Webster City	7	MAX	82	84	83	72	75	72	77	79	82	80	82	78	82	77	79	67	78	78	79	81	86	76	74	77	72	75	79	79	71	78	81	77.9
		MIN	54	56	61	47	48	52	58	49	50	54	54	48	51	55	56	57	64	57	57	59	65	57	45	45	60	60	62	54	51	51	52	54.5
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	MAX	80	83	84	78	74	76	77	78	79	78	80	76	77	73	78	72	81	76	78	80	77	77	74	76	76	72	72	74	73	75	79	76.9
		MIN	54	58	61	50	50	54	58	52	52	52	59	50	51	53	58	61	64	59	56	58	61	63	50	50	54	54	57	56	54	53	52	55.3
Belle Plaine	7	MAX	83	86	88	80	77	78	78	82	82	83	83	80	81	75	80	74	83	78	82	82	82	77	76	77	75	74	78	76	71	76	81	79.3
		MIN	55	58	62	51	46	58	59	49	50	58	58	50	50	57	57	63	66	53	57	59	61	63	46	52	58	55	61	57	54	50	54	55.7
Bellevue Lock & Dam 12	6	MAX	84	84	88	81	74	81	79	78	83	81	84	73	78	76	79	75	83	79	82	85	78	78	77	77	75	72	71	73	75	80	82	78.9
		MIN	55	58	61	55	54	54	60	53	53	54	62	52	52	52	54	65	65	62	58	58	61	61	52	52	53	55	55	58	59	56	56	56.6
Cedar Rapids Airport	24	MAX	85	87	80	75	77	78	81	81	82	84	79	80	75	79	76	83	78	81	82	82	77	76	77	75	73	76	74	74	76	82	75	78.7
		MIN	59	61	53	49	50	61	57	51	53	61	56	51	51	56	59	65	61	56	57	62	62	51	47	55	56	54	59	55	53	53	53	55.7
Cedar Rapids #1	17	MAX	87	87	85	77	79	79	81	81	83	84	84	79	78	80	80	85	81	83	83	82	80	78	79	77	75	77	78	76	76	82	81	80.5
		MIN	58	62	65	51	52	61	59	51	52	65	58	51	52	57	59	65	67	58	58	63	65	63	49	55	57	55	64	56	54	52	59	57.8
Clinton #1	18	MAX	83	85	81	74	78	75	77	80	79	83	72	75	74	77	79	83	80	79	80	78	79	78	75	74	72	72	72	72	73	76	76	77.1
		MIN	64	64	68	53	54	64	58	53	56	65	60	53	54	58	61	65	68	60	58	62	64	65	50	52	56	54	59	60	56	56	61	59.1
Coggon	6	MAX	81	84	84	79	74	77	78	78	79	80	81	77	76	74	80	71	82	76	78	81	80	79	74	77	76	72	71	77	72	75	80	77.5
		MIN	54	57	60	49	49	51	58	49	49	50	56	49	49	50	57	62	63	58	56	56	61	62	49	49	53	51	53	56	54	50	50	53.9
Davenport Airport	24	MAX	83	85	81	74	77	77	78	80	80	83	75	78	75	81	82	83	81	82	83	79	81	77	77	78	73	75	73	78	77	81	75	78.8
		MIN	61	61	55	51	51	58	52	49	52	64	53	50	48	55	57	65	66	60	60	63	61	55	51	50	57	53	63	57	55	53	53	56.1
Iowa City	7	MAX	82	86	85	81	76	77	76	78	80	82	84	77	79	76	81	80	84	80	83	82	79	80	77	78	76	76	76	72	77	76	81	79.3
		MIN	58	61	62	51	50	50	55	50	50	62	59	49	49	52	57	64	66	58	57	59	63	64	49	52	57	55	56	57	54	52	52	55.8
Iowa City Airport	24	MAX	88	87	83	77	80	78	82	82	84	85	80	80	77	82	82	86	81	83	84	82	82	78	79	78	75	79	75	78	78	82	76	80.7
		MIN	66	64	59	53	54	63	59	55	55	65	59	55	54	58	62	69	66	60	61	66	68	58	54	58	58	58	62	60	57	57	58	59.7
Le Claire L & D 14	6	MAX	82	84	86	83	75	79	78	78	82	80	85	74	77	76	85	83	83	83	83	83	78	81	77	77	78	73	74	72	76	76	80	79.4
		MIN	65	65	68	54	53	61	60	58	58	61	63	57	57	57	62	66	67	64	63	65	67	68	54	54	56	58	58	63	60	58	59	60.6
Lowden	24	MAX	86	89	82	75	80	79	80	82	82	85	76	77	75	80	79	84	81	81	83	78	83	76	78	78	75	75	74	78	78	82	74	79.5
		MIN	58	60	54	51	51	57	53	48	49	60	52	50	49	53	57	65	65	58	56	59	61	52	48	52	55	51	61	56	54	50	51	54.7
Maquoketa 4 W	7	MAX	81	84	85	80	72	78	77	77	80	79	82	72	75	73	78	76	82	78	79	81	77	79	74	76	75	71	73	73	74	75	79	77.3
		MIN	55	59	61	51	52	54	56	51	52	53	58	51	51	52	57	62	63	58	56	56	59	63	50	51	54	52	53	57	55	52	53	55.1
Muscatine	6	MAX	83	85	87	83	79	76	70	79	82	83	87	77	79	78	81	83	86	83	84	84	84	83	78	79	78	74	79	74	80	76	81	80.5
		MIN	62	63	65	50	53	57	61	55	55	56	62	53	52	52	60	64	69	60	61	62	66	65	52	53	58	58	59	64	58	56	57	58.6
Vinton	7	MAX	80	83	85	78	76	76	78	79	80	81	82	77	79	73	78	71	81	78	80	81	83	76	74	76	72	72	73	77	69	74	80	77.5
		MIN	57	59	61	48	49	57	58	48	51	58	56	48	51	57	57	59	64	57	57	57	63	60	47	48	56	54	56	55	53	50	55	55.0
Williamsburg 1 E	7	MAX	85	86	84	81	77	79	78	78	82	85	85	78	79	77	80	76	84	80	81	84	83	80	75	77	77	76	79	74	73	75	80	79.6
		MIN	57	62	63	50	49	54	55	50	51	52	59	50	50	57	57	58	67	58	59	59	64	63	50	50	58	55	56	57	54	52	51	55.7
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	MAX	84	86	86	75	77	68	77	80	82	81	84	81	83	80	87	84	83	81	85	87	82	82	76	79	79	78	81	81	78	80	83	81.0
		MIN	56	59	64	48	49	53	56	49	50	56	54	49	49	61	61	66	63	56	57	59	64	59	48	49	59	62	62	55	51	51	52	55.7

AUGUST 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																															IOWA CLIMATE REVIEW			
	OBS TIME		DAY OF MONTH																																		
STATION			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG			
Bedford	7	MAX MIN	82 59	84 60	87 63	76 49	75 49	70 54	74 59	80 58	80 58	83 59	86 64	81 54	81 56	81 62	84 64	85 65	84 62	82 59	83 61	86 61	75 64	82 62	74 51	77 52	80 57	79 58	79 67	82 59	74 56	78 57	82 58	80.2 58.6			
Clarinda	6	MAX MIN	83 57	86 61	86 64	76 48	77 51	69 58	75 57	81 56	81 54	81 52	85 57	81 53	81 55	80 59	85 65	84 66	83 61	82 55	86 55	87 66	77 67	82 61	76 49	79 49	79 54	79 57	82 62	80 56	77 54	78 53	82 55	80.6 57.0			
Corning 1 W	7	MAX MIN	82 56	85 58	87 64	76 48	77 50	69 55	77 56	80 53	83 53	82 55	85 58	81 51	82 50	80 61	85 64	82 66	83 61	84 56	87 56	86 60	78 65	83 62	75 49	79 56	80 62	79 57	81 62	78 54	76 51	77 53	81 54	80.6 56.6			
Glenwood	6	MAX MIN	81 59	84 60	85 63	73 51	78 52	67 59	76 58	80 57	81 55	80 60	82 60	80 57	80 55	80 63	87 66	85 66	84 63	82 60	86 58	86 57	82 65	85 63	76 52	78 52	80 58	81 61	84 66	82 59	78 55	78 54	81 55	80.7 58.7			
Greenfield	8	MAX MIN	83 60	86 65	88 64	76 48	77 49	70 56	76 56	81 53	82 55	80 62	84 59	80 52	82 60	79 62	86 63	79 65	84 62	81 58	86 58	85 61	80 65	81 61	75 51	78 51	79 60	79 58	81 62	78 58	75 55	77 56	81 55	80.3 58.1			
Oakland	7	MAX MIN	83 58	87 63	84 63	74 50	77 51	68 59	77 57	79 57	83 57	81 58	82 57	80 56	82 56	80 60	86 64	83 65	82 62	81 60	85 59	86 58	78 64	82 62	73 53	78 52	78 58	81 60	82 62	79 58	75 57	78 56	81 59	80.2 58.4			
Red Oak	7	MAX MIN	84 61	88 63	88 64	77 49	80 53	69 59	78 58	82 55	83 55	80 59	86 59	83 54	82 55	81 63	87 67	84 67	83 62	83 60	86 58	86 58	79 67	83 63	77 51	79 52	80 60	80 63	83 64	81 57	79 56	79 56	82 56	81.7 58.8			
Shenandoah	8	MAX MIN	82 60	85 64	87 67	75 51	77 51	69 62	77 58	81 58	81 57	78 60	83 60	82 55	80 60	81 64	86 67	86 68	83 61	82 59	85 60	87 66	81 66	84 63	76 51	78 59	80 62	82 62	84 65	82 58	78 56	82 57	82 57	81.2 60.1			
Sidney 1 SSE	7	MAX MIN	80 60	84 62	83 64	73 51	76 51	66 56	73 60	80 56	79 57	79 59	83 60	78 56	78 56	79 59	85 61	85 66	82 60	80 60	84 62	85 62	81 64	85 62	75 55	77 55	79 58	80 60	85 60	79 61	75 58	75 57	83 57	79.5 58.9			
SOUTH CENTRAL DIVISION																																					
Albia 3 NNE	7	MAX MIN	83 59	88 64	88 65	81 50	79 51	77 52	75 58	82 52	82 54	84 54	87 61	79 53	80 53	80 59	84 62	84 62	85 64	83 58	88 60	86 65	80 67	80 64	76 54	77 53	77 60	75 57	80 59	75 62	75 55	78 54	79 54	80.9 57.9			
Allerton	8	MAX MIN	84 60	89 62	89 63	80 48	77 48	74 56	74 60	79 54	83 54	85 55	88 62	80 57	81 58	80 59	83 60	83 63	84 63	82 58	88 58	87 60	79 66	81 63	76 52	78 53	78 58	78 57	82 57	74 58	74 56	78 56	80 57	80.9 57.8			
Beaconsfield	7	MAX MIN	82 59	85 63	88 66	75 48	76 48	71 53	74 58	80 57	83 55	83 55	86 59	81 55	82 56	80 57	83 63	84 66	83 62	80 60	85 61	87 61	75 65	81 62	75 55	77 54	80 57	78 58	82 58	82 58	74 55	77 55	80 55	80.3 57.9			
Centerville	7	MAX MIN	85 56	86 57	90 61	81 50	79 49	79 49	78 58	82 50	85 50	85 49	89 61	82 49	83 52	82 60	84 60	88 60	85 66	83 56	89 57	88 61	81 64	80 64	78 49	79 49	79 59	81 60	77 60	75 56	76 53	80 52	82 53	82.3 55.8			
Chariton 1 E	7	MAX MIN	84 57	89 57	88 60	81 50	79 46	76 46	76 52	81 45	83 46	85 48	88 58	80 44	81 48	80 58	85 60	85 61	83 63	83 54	88 55	87 60	79 62	81 63	77 48	78 47	78 58	78 54	81 58	75 56	73 53	79 51	80 51	81.3 53.8			
Creston 2 SW	7	MAX MIN	83 59	85 62	85 63	75 47	77 49	70 56	75 56	80 57	83 57	81 57	84 60	81 54	83 55	80 60	83 65	81 66	84 60	80 61	86 57	87 61	78 65	82 62	75 51	76 51	79 59	78 57	80 60	78 59	74 52	76 52	80 52	80.0 57.5			
Indianola 4 W	7	MAX MIN	86 59	89 60	89 65	80 49	80 49	79 58	78 55	82 49	84 56	85 56	87 56	83 49	83 51	81 61	88 61	80 67	86 66	83 56	89 60	87 65	81 66	85 64	77 50	80 51	80 56	80 58	83 63	78 58	73 53	80 53	83 55	82.5 57.3			
Knoxville	8	MAX MIN	83 63	87 65	87 67	81 49	77 52	77 58	76 60	80 56	82 57	84 61	89 57	79 55	81 54	80 62	85 63	80 67	85 64	83 60	89 63	88 64	80 66	84 63	76 53	78 56	80 61	78 58	81 60	76 58	72 56	78 57	80 59	81.2 59.5			
Lamoni	7	MAX MIN	85 64	88 65	91 67	78 50	79 50	74 57	76 61	82 59	85 59	86 59	88 63	83 61	84 61	83 61	86 63	87 69	87 63	84 61	89 61	91 64	82 67	82 63	79 54	81 55	82 59	82 62	86 62	77 61	75 57	80 57	83 60	83.1 60.5			

AUGUST 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW			
	OBS		DAY OF MONTH																															
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Lamoni Airport	24	MAX	88	92	78	79	73	76	83	83	84	88	84	84	81	85	86	85	83	90	91	78	81	78	80	80	79	84	77	77	80	83	83	82.4
		MIN	64	65	57	48	53	60	59	56	59	65	61	54	59	62	67	68	63	59	62	66	65	56	53	59	61	60	64	60	56	58	58	59.9
Mount Ayr	8	MAX	81	84	87	74	75	69	72	78	82	80	84	80	81	78	83	85	82	84	87	88	76	79	76	78	78	77	81	76	73	77	79	79.5
		MIN	57	62	63	48	51	59	57	56	54	60	61	50	57	62	64	67	62	54	57	62	66	61	51	55	54	58	58	57	52	54	53	57.5
Osceola	8	MAX	86	90	90	80	80	74	75	82	86	86	89	83	84	82	87	87	85	85	91	92	81	83	78	81	82	81	85	78	74	80	85	83.3
		MIN	57	63	65	51	49	56	57	49	52	57	62	48	52	59	64	64	65	57	59	60	65	64	50	50	61	57	61	60	56	54	54	57.4
Rathbun Dam	7	MAX	84	88	88	80	78	75	75	80	83	84	89	81	82	80	83	85	84	83	88	88	79	79	77	79	79	77	81	75	75	79	80	81.2
		MIN	60	64	65	51	50	52	60	55	52	53	64	58	58	59	61	61	63	58	60	64	66	64	51	54	59	56	57	61	58	57	58	58.4
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	86	88	83	77	78	72	79	80	82	88	78	80	78	82	87	84	84	84	83	84	79	79	78	78	74	78	74	75	79	80	77	80.3
		MIN	64	64	57	52	53	63	58	55	54	63	58	57	53	58	63	70	66	59	65	66	65	58	54	55	60	59	63	60	57	56	57	59.4
Donnellson	7	MAX	85	91	93	88	81	80	74	83	84	86	92	82	84	81	85	92	83	87	89	90	86	80	80	82	80	76	82	76	79	82	84	83.8
		MIN	61	64	65	52	54	57	57	54	57	60	63	54	55	60	60	66	69	62	62	60	66	64	54	55	58	57	60	61	56	56	58	59.3
Fairfield	8	MAX	83	86	87	83	76	80	72	79	82	86	92	78	80	81	86	84	85	83	91	89	89	85	77	78	80	78	81	75	77	79	81	82.0
		MIN	61	64	64	51	52	59	58	52	52	65	62	53	53	57	64	68	68	61	62	65	66	64	52	57	59	55	55	62	56	56	56	59.0
Fort Madison	24	MAX	92	88	85	78	80	71	78	79	83	91	79	80	78	84	91	83	86	85	83	84	77	81	80	79	74	78	76	74	77	82	77	81.1
		MIN	65	67	60	53	56	62	61	57	57	66	64	58	56	63	68	70	68	63	65	68	68	60	55	59	59	59	63	62	58	59	59	61.5
Keokuk Lock & Dam 19	6	MAX	84	84	86	87	77	78	73	76	80	83	89	77	77	77	83	88	83	86	88	84	85	78	78	76	78	75	81	74	74	76	79	80.5
		MIN	65	66	67	54	54	57	63	61	58	58	64	59	59	59	61	70	71	62	63	65	67	66	54	54	60	59	58	61	60	60	60	61.1
Keosauqua	7	MAX	85	89	92	86	79	81	73	81	83	86	93	80	81	81	85	87	84	84	90	89	91	83	79	78	80	76	81	72	78	79	81	82.8
		MIN	58	63	65	52	51	54	58	52	51	58	62	53	54	57	62	66	69	59	61	62	66	64	51	53	59	55	57	62	56	55	56	58.1
Mount Pleasant 1 SSW	7	MAX	82	86	87	84	77	78	71	79	83	84	88	77	79	79	84	85	83	83	87	85	83	83	78	78	78	75	79	76	79	79	81	81.0
		MIN	57	62	62	51	50	54	56	52	50	55	62	52	51	54	60	62	66	59	62	59	61	63	51	51	57	56	56	62	55	54	54	56.6
Oskaloosa	7	MAX	86	88	88	81	78	79	75	83	86	87	88	80	80	80	85	83	85	82	88	86	81	83	76	79	80	77	82	75	74	82	81	81.9
		MIN	59	61	63	50	51	52	57	52	52	56	59	52	53	60	62	65	66	59	58	63	66	64	53	52	60	55	57	59	55	55	57	57.5
Ottumwa Airport	24	MAX	91	91	85	80	79	75	83	84	86	90	81	84	81	86	85	87	85	91	89	85	85	79	80	80	77	81	76	78	82	84	81	83.3
		MIN	60	62	57	52	51	59	57	50	53	65	58	50	54	61	63	68	64	59	62	65	66	53	51	59	59	54	59	59	54	51	56	57.8
Sigourney	7	MAX	86	90	90	82	77	79	73	81	85	85	89	81	80	81	83	79	85	81	86	86	82	81	75	78	78	78	80	74	72	78	80	81.1
		MIN	61	63	63	50	50	53	57	54	54	58	59	53	53	52	60	64	66	59	59	59	57	63	51	51	58	55	56	56	55	55	56	56.8
Washington	7	MAX	81	88	89	83	78	80	73	81	82	84	89	79	81	77	82	82	83	80	86	82	82	84	79	80	76	73	77	72	79	80	83	80.8
		MIN	59	60	62	51	48	51	52	49	48	51	60	50	50	54	59	60	68	57	60	61	64	64	50	51	58	55	56	61	54	52	54	55.8
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	85	87	83	76	79	77	80	82	82	87	79	81	77	83	87	85	84	84	83	83	82	80	81	80	75	77	74	78	78	82	79	81.0
		MIN	63	63	59	53	53	61	55	52	53	65	57	53	51	55	61	67	68	63	63	62	65	57	52	55	58	53	63	60	58	55	58	58.4
Omaha Eppley AP	24	MAX	90	87	76	81	70	79	83	83	83	83	83	83	82	88	88	84	84	88	88	85	83	78	80	82	84	87	85	80	80	85	85	83.1
		MIN	67	63	56	52	62	63	60	56	65	65	57	61	66	67	67	68	65	66	59	69	66	58	57	63	64	68	63	59	56	55	58	62.0
Sioux Falls WFO AP	24	MAX	89	82	71	78	71	70	81	80	82	76	81	80	73	78	75	69	80	81	82	84	74	76	81	77	81	82	82	80	80	83	79	78.6
		MIN	62	57	54	48	57	58	57	51	61	58	53	55	62	57	60	65	61	60	53	62	63	53	50	64	63	64	59	53	53	55	58	57.6

AUGUST 2017			"DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)"																													IOWA CLIMATE REVIEW						
STATION	OBS	TOTAL	DAY OF MONTH																																			
	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
NORTHWEST DIVISION																																						
Akron	7	4.83		0.02	0.21			0.12	0.05	0.29	0.01	0.10				0.10	0.09	0.49	0.55			0.26	0.05	0.60		0.06	0.15	1.68										
Cherokee	8	4.95			0.07	T		T	0.05	T		0.15			T			0.22	0.69	0.12	0.02	0.04	1.47	0.41		0.14	1.00	0.52	0.05									
Emmetsburg	8	8.21		T	0.61			T				0.51				0.62		0.07	0.24	0.02	0.85		0.30	2.77		0.12	0.19	0.16	1.69	0.06								
Estherville Airport	24	6.99	0.13		0.33							0.72				1.01	0.38	0.06	0.45	0.03	0.67			2.32			0.66		0.20	0.03								
Estherville 4 E	7	7.27		0.16	0.35							0.77				1.39		0.34	0.22	0.06	0.66		T	2.40		T	0.66	0.16	0.06	0.04								
Everly 3 WNW	7	6.05			0.30			T	0.17			1.00		0.03	T		0.09	1.12	0.02	0.61		T	0.15	1.18		0.18	0.14	0.77	0.29									
Hawarden	7	6.32			0.31	T		0.04	0.05			0.59				0.02		0.52	0.42	0.25		0.58		1.41			0.03		2.10									
Le Mars	7	6.02			0.17	T		0.06	0.34			0.28				0.05		0.28	1.25			0.32	0.25	0.58		0.11	0.45	1.88										
Orange City	7	4.01			0.05	0.02		0.15	0.02			0.39				0.01		0.20	1.09	0.10		0.10	T	0.79		0.10	0.05	0.94										
Pocahontas	8	6.02			0.07				0.01			0.01				0.45		0.34	0.17		0.03	0.06	0.20	2.50		0.01	0.20	0.01	1.36	0.60								
Primghar	16	5.46		0.30	0.05			0.05	0.10		0.64						1.10	0.10		0.10		1.20	0.30		0.30	0.10	1.12											
Remsen #2	6	5.27			0.37	T		0.10	T			0.33			T			0.37	0.58			0.60	0.42	0.67		0.11	0.17	1.52	0.03									
Rock Rapids	8	5.23		0.06	0.14			0.03	0.16			0.05	0.41			0.17		0.05	1.07	0.06				2.20		0.17		0.66										
Rock Valley	7	5.16			0.08	0.03		0.06	0.13		0.20	0.38				0.09		0.15	1.93	0.05		0.10		0.96		0.01	0.07	0.92										
Sanborn	8	5.36		0.03	0.35	T		0.05	0.14			1.17			0.02	T		0.23	0.92		0.05			1.20		0.20	0.05	0.95										
Sheldon	7	5.05		0.02	0.08	0.05		0.19	0.17		0.01	0.91			T	0.01		0.17	0.71	0.02			0.02	1.16		0.54	T	0.99										
Sibley	7	6.09		0.62	0.38				0.11		0.05	0.51				1.16		0.13	0.35	0.04	0.05			1.93		0.03	0.21	0.50	0.02									
Sioux Center 2 SE	16	5.76		T	0.04		0.02	0.13	0.16		0.64			0.03			0.09	0.79	0.11	0.09		0.20	2.31			0.06	0.05	1.04										
Sioux Rapids 4 E	22	4.36			0.13		T		T		0.44	T				0.01	0.39	0.96	T		0.05	0.05	1.42		0.03	0.03		0.85										
Spencer Airport	24	6.21	0.03	0.01	0.09		T	T	0.14		0.85				0.07	T	0.17	1.34	0.01	0.10	T		1.57		0.02	0.18	0.23	1.40						T				
Spencer 1 N	24	8.79	0.21		0.10		0.01		0.01		0.76				0.09	0.65	0.11	2.00	0.03	0.05			2.22		0.10	0.24	0.23	1.98	T									
Spirit Lake 4 W	24	8.75			0.16						0.65				1.40	0.56	0.06	1.60	0.06	0.56			3.00		0.05	0.10		0.49	0.06									
Storm Lake	8	5.61			0.26	0.01		T	0.19			0.01				0.26		0.49	0.89	T	0.23	T	1.38	1.16		0.26	0.12	0.33	0.02									
NORTH CENTRAL DIVISION																																						
Algona 3 W	7	7.45		0.22	1.06	0.11						0.20				0.87		0.19	0.37	0.01	0.23		1.26	2.07		0.07	0.33	0.02	0.40	0.04								
Allison	7	2.06		T	T	0.45						T				0.91			0.02			0.10	0.49		T	0.02		0.07										
Britt	7	5.39		0.41	0.54	0.32						0.06				1.05		0.29	0.55	0.04	0.07		0.12	0.78		0.22	0.24	0.02	0.47	0.21								
Charles City	7	2.05		T		0.27						T				0.80	T	0.03	0.33				0.19	0.40				0.01			0.02							
Clarion	7	M		M	M											0.26		0.72	0.87		0.03		0.28	1.07		0.05	0.08	T	0.03	0.08								
Dakota City	8	4.15		0.48	0.10	0.03										0.48		0.13	0.23		0.26		0.23	1.78		0.04	0.03	T	0.32	0.04								
Forest City 2 NNE	7	3.76		0.22	0.15	0.82						0.05				0.87		0.15	0.52		0.01		0.05	0.37		0.05	0.12	0.02	0.36	T								
Hampton	7	2.67		0.08		0.60						0.01				0.80	0.01	0.05	0.05				0.16	0.68		0.02	0.07		0.14									
Kanawha	8	8.01		0.56	2.26							0.09				1.31		0.32	0.56		0.01		0.68	1.20		0.14	0.15	0.01	0.42	0.30								
Lake Mills	7	2.87		0.17	0.01	0.22			T			0.25				0.86		T	0.25	0.01	0.15		0.14	0.45			0.18		0.17	0.01								
Mason City	7	3.26		0.22		0.80			0.04			0.01				0.83	T	0.10	0.27	0.02	0.02		0.21	0.68			0.02	0.01	0.02	0.01								
Mason City Airport	24	2.57	0.07		0.43	T		0.07	0.01		T	T			T	0.74	0.14	0.47	0.01	0.05		0.50			T	0.04	0.01	0.03										
Nashua 2 SW	7	1.66			T	0.32						T				0.50		0.01	0.21		0.01		0.08	0.48			T	0.05	T			T						
Northwood	7	3.11		0.52		0.34						0.11				0.67		T	0.45	T			0.08	0.52		T	0.13	0.05	0.23	0.01								
Osage	7	2.86		T	0.02	0.51			T			0.67				0.58	T		0.28				0.20	0.47			0.11	T	0.02									
Saint Ansgar	6	3.35		T	T	0.76						0.40				0.70			0.72	0.03	T		0.10	0.44		0.08	T	0.12										
Swea City 4 W	7	6.12		0.27	0.57	0.02		T				0.42				1.19		0.02	0.48	T	0.52		0.72	1.15		0.41	0.19	0.03	0.12	0.01								
NORTHEAST DIVISION																																						
Cascade	7	2.49				0.17							0.05			T	0.17	0.03	0.48	T			0.01	0.28			T		1.10	0.01	0.19							
Cresco 1 NE	7	1.89			0.01	0.18					0.01					0.30	0.03		0.85	0.05	T		0.01	0.43			0.02		T									
Decorah	16	2.05			0.82											0.23		0.21	0.42	0.03				0.27			0.06		T	0.01								
Dubuque Lock & Dam 11	6	3.32				0.35					0.03		T				0.34	0.05	1.10	0.02			0.01	0.35					0.20	0.85	0.02							
Dubuque Airport	24	3.23			0.11							0.36				0.21		0.82				T	0.10				0.01		T	1.62	T							
Elkader 6 SSW	7	1.56			0.01	0.63										0.07			0.60	0.03	T			0.17			0.02		0.01	T	T			0.02				
Fayette	7	1.34			0.03	0.36										0.14	T	0.04	0.22	T			0.34			0.08			T	0.13				T				
Guttenberg L & D 10	6	0.64				0.35											0.03	0.02	0.15	0.02				0.05								0.02						
Ionia 2 W	7	1.90			T	0.64										0.50	T	0.02	0.09	T	0.02		0.15	0.48														
Manchester #2	7	1.09			T	0.27			0.28							T	0.21		0.08	T			0.03	0.09						0.13								

AUGUST 2017			"DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																													IOWA CLIMATE REVIEW		
STATION	OBS TIME	TOTAL	DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Tripoli	7	1.73			T	0.61						T				0.25	0.04	T	0.42	T	T		0.01	0.37			0.03	T	T		T			
Waterloo Airport	24	1.30			0.14							T				T	0.41		0.03				0.65				T	T	0.06	T			0.01	
WEST CENTRAL DIVISION																																		
Audubon	8	8.79			0.92			0.03								0.02		1.05	0.18	0.01		0.40	5.42	0.67				T	0.09	T	T			
Battle Creek 3 NE	8	9.26			0.39	0.04			0.05							0.05	0.08	0.12	0.89	1.30		0.10	4.76	0.43			T	0.45	0.60					
Carroll	7	4.64			0.89			0.02	0.03							0.04	0.26		0.30	0.51		0.34	0.22	1.28	0.43		0.11	0.14	0.06	0.01				
Castana Exp. Farm	8	5.93						0.04		0.04		0.04				0.04	0.56	0.17	2.06	1.02		0.11	0.40	0.74		0.01	0.38	0.36						
Denison	7	9.53			0.40			0.04		0.04		0.04				0.03	0.27		1.05	0.17	0.03	0.13	6.47	0.40			0.22	0.28						
Guthrie Center	8	9.94			1.75	0.01		0.05									T	0.30	0.84			1.51	4.85	0.25		0.08		0.05		0.25				
Holly Springs 1 NW	7	5.96			0.02			0.14		0.05		0.02				0.11	0.08	0.10	0.72	0.46	0.02		1.11	1.00			1.26	0.87						
Holstein	7	8.33			0.38	0.03		T	0.55			T				0.08	0.03		1.40	1.10		0.07	3.22	0.43		0.17	0.38	0.49	T					
Little Sioux 2 NW	7	8.30		0.02				T	0.15				T			0.04	0.29	1.25	2.75	0.91		0.34		0.90		T	1.42	0.23						
Logan	8	3.67						0.17								0.02	T	0.04	2.03	0.16	T	0.25	0.03	0.31			0.50	0.16						
Mapleton #2	7	10.40			0.47	T		0.12								0.04	1.18	0.23	2.00	1.33		0.05	2.94	0.85			0.35	0.52		0.32				
Rockwell City	7	4.56			1.40											0.05		0.34	0.10		T	0.03	0.13	2.18		0.06	0.05	T	0.04	0.18				
Sac City	7	5.03			0.68						0.17	0.13				0.04	0.15		0.60	0.17		0.15	0.52	1.80		0.40	0.10	0.06	0.06					
Sioux City Airport	24	8.16	0.05	T	T		0.15	T	0.25			T				0.05	T	0.83	2.18		T	T	0.12	1.47		0.05	2.42	0.59						
CENTRAL DIVISION																																		
Ames Airport	24	4.06	0.30		0.42		T					T				0.05	0.83	0.20	0.27	T	0.04	T	0.29	1.65		0.01			T	T	T			
Ames 8 WSW	16	3.34		0.83	0.42					T		T				0.03	0.30	0.09	0.11	0.02		0.03	0.27	0.59	0.59		0.02	0.02		0.02				
Ames 5 SE	6	2.97		0.13		0.31							0.01			0.04	0.75	0.11	0.05	T		0.03	0.27	0.68	0.84					0.02				
Ankeny	8	2.98		0.05	0.25	0.07			0.02							0.02		0.10	0.01			0.26	0.32	1.42	0.41		0.03				0.02			
Boone	8	3.17		0.59	0.36	T		T	T				0.05			0.17	0.03	0.14	0.13		0.04	0.25	0.71	0.61		0.02	0.03	T	0.02	0.02				
Brooklyn	7	4.37				0.70										T	1.90	0.05	0.04		0.14	0.06	0.42	0.83		T	0.08	T		0.15	T			
Clutier	7	2.90				0.10			0.03				0.05			T	1.31		0.08		0.35	0.04	0.37	0.43		0.02	0.12							
Des Moines Airport	24	3.50	0.03		0.42		0.01	T	0.14							T	T	0.29	0.01				0.79	1.65	0.06	T	0.07	0.01		0.02	T			
Des Moines Camp Dodge	24	3.30	0.07		0.13		0.01		0.06							T	0.01	0.11	0.15		0.19	0.72	1.76	0.01	0.05	0.03		T	T					
Eldora	7	3.43		0.03	T	0.30				T		T	T			1.11		0.05	0.05		0.18	0.02	0.54	0.85		0.03	0.13		0.14					
Fort Dodge 5 NNW	7	5.46		0.40	0.15	T										2.05		0.30	0.27		0.01	T	0.25	1.68		0.05	0.10	T	0.13	0.07				
Gilman	7	3.49				0.20							0.02				2.00	0.10	0.30		0.10	0.01	0.36	0.30						0.10				
Grinnell 3 SW	7	5.14				0.45							T			T	2.48	0.06	0.11		0.02	0.04	0.59	1.27			0.02			0.10				
Grundy Center	8	4.01		0.01		0.33										1.45		T	0.50	T	0.06	0.02	0.32	1.02		0.07	0.15		0.08					
Iowa Falls	7	5.75		0.12	T	0.15						0.13				2.68	T	0.14	0.12		0.94	0.02	0.40	0.75		T	0.12		0.18		T			
Marshalltown	7	2.69		0.01		0.11							0.04			0.48	0.72	T	0.08		0.26	0.02	0.54	0.30		T	0.11			0.02				
Marshalltown Airport	24	2.72	0.01		0.15			T				T				T	0.98	T	0.17	T	0.39	0.02	0.06	0.89		0.05	T	T	T	T				
Montezuma 1 W	7	5.25				0.44							0.28				2.23	0.07	0.30			0.11	0.92	0.82			T	T	0.06	0.02				
Newton	7	4.97				0.54											2.28	0.02	T		0.09	0.20	0.92	0.89				0.01	0.02					
Perry	7	2.40		0.15	0.07	0.06		0.03	0.02							0.02	0.04	0.01	0.21	0.18		0.33	0.57	0.43		0.15	0.03	0.01	0.02	0.07				
Toledo 3 N	7	2.73				0.11			0.05			0.13				0.05	0.90	T	0.05		0.32	T	0.60	0.43			0.03	0.04	T	0.02				
Webster City	7	4.46		0.76	0.52	0.06										0.92		0.20	0.45		0.11		0.38	0.73		0.05	0.05		0.23					
Zearing	7	3.36		0.04	0.11	0.15										1.15	0.15	0.09	0.45		0.01	0.04	0.61	0.52						0.04				
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	1.66				0.51							0.14			0.01	0.25	0.03	0.09				0.01	0.57			0.01		0.03	0.01				
Belle Plaine	7	2.63				0.30							0.27			T	0.90	T	0.03		0.15		0.32	0.63			0.03		T	T				
Bellevue Lock & Dam 12	6	1.68				0.23											0.08	0.05	0.74				0.02	0.10					0.25	0.20	0.01			
Cedar Rapids Airport	24	1.60			0.25							T				T	0.18		T		0.12	0.04	0.86	0.02		0.01	0.05	0.04	0.03			T		
Cedar Rapids #1	17	3.08			0.44							0.24				T	0.21		0.03		0.02	0.02	0.27	0.49		T		T	T	1.36		T		
Clinton #1	18	2.26				T						0.82					0.10		0.21				T	0.11	0.03					0.17	0.82			
Coggon	6	2.41				0.68							0.19				0.31	T	0.71				0.04	0.21			0.01		0.16	0.10				
Davenport Airport	24	0.62			T			0.01				T				0.11		T	T		T	T	0.11	0.01		T	T	T	0.09	0.29				
De Witt	8	1.99											0.60				0.13		0.29				0.05	0.30					0.25	0.12	0.25			
Iowa City	7	1.61				0.06							0.07				0.18		0.01		0.02		0.67	0.52			0.05			0.03				
Iowa City Airport	24	1.12			0.06		T	T				0.07				0.10	T	T		T	T	0.03	0.76	0.02		T	0.06	T	0.02					
Le Claire L & D 14	6	2.27		0.01	1.48	0.01		0.01									0.10		0.04		0.01			0.12					0.03	0.21	0.25			
Lowden	24	1.81																																

AUGUST 2017			'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS) TIME'																															IOWA CLIMATE REVIEW																																	
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH								15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																										
Muscatine	6	1.49			0.32								0.50				0.07										0.35			0.05			0.05	0.15																																	
Muscatine 2 N	7	0.50				0.01							T				0.12	T								0.03	0.28		0.01	0.03			0.02	T																																	
Swisher	7	1.38				0.24							T				0.01	0.10					0.09	T	0.16	0.66		T	0.06	T	0.03	0.03																																			
Vinton	7	1.29				0.16											0.13	0.16	0.01	0.04				T	0.28	0.39		0.03	0.01		0.08																																				
Williamsburg 1 E	7	2.44				0.35							0.30				0.39	0.02	0.06				0.02			0.85	0.42						0.03																																		
SOUTHWEST DIVISION																																																																			
Atlantic 1 NE	7	8.48			0.27			0.10				T	0.05			0.01		1.89	0.37	0.01				0.84	2.99	1.65			0.03	0.27																																					
Bedford	7	3.89			0.27			0.14	T			T	T					0.02	0.80					0.90	0.75	1.01							T	T																																	
Clarinda	6	3.07			0.28			0.12			T		0.03				T		0.23					0.75	0.96	0.70																																									
Corning 1 W	7	3.70			0.05			0.05										1.10	0.20					0.46	0.49	1.35																																									
Glenwood	6	4.33			0.10			0.13									0.01	0.17	0.01					0.27	2.21	0.87						0.56																																			
Greenfield	8	4.93			0.07				T			T	T					0.90	0.49	0.02				0.61	1.94	0.90			T																																						
Hastings 4 NE	8	4.37						0.05									0.05	0.32	0.45					0.42	2.10	0.62			0.15	0.21																																					
Massena	7	9.14			0.65	0.11			T									1.00	0.22					0.51	3.43	3.22																																									
Oakland	7	3.87			0.06			0.12					0.01			T	0.09		0.64	0.31				0.73	0.61	0.84						0.46																																			
Randolph	8	3.95						0.18									0.05		0.13	0.45				0.40	1.38	1.18			T	0.08	0.10																																				
Red Oak	7	4.29			0.05			0.10				T	T				T	1.27	0.32	T			0.89	0.56	0.91					0.19	T																																				
Shenandoah	8	3.91			0.59		0.01	0.12				T							0.25					0.67	1.66	0.32			T	T	0.29																																				
Sidney 1 SSE	7	3.51			0.02		T	0.11				T					T		0.12	0.25				0.80	1.08	0.31					0.02	0.80	T																																		
Underwood	7	3.97						0.19					T				T		0.61	T				1.07	0.88	0.65			0.17	0.40																																					
SOUTH CENTRAL DIVISION																																																																			
Albia 3 NNE	7	2.64				0.08			T				0.20					1.13	T					0.39	0.03	0.78			0.03																																						
Allerton	8	4.84				0.74		0.04	0.03	T			0.64					0.37	0.11					0.33	0.01	2.57							T																																		
Beaconsfield	7	3.01			0.15	0.26		0.05										0.50	0.15					0.40		1.50																																									
Centerville	7	4.44				0.67							0.19					1.30	0.08					0.55	0.10	1.50						0.05																																			
Chariton 1 E	7	4.84				0.11							0.05					2.35	0.03					0.19	0.16	1.95			T																																						
Creston 2 SW	7	2.64			0.11			0.03										0.58	0.12					0.30	0.38	1.12																																									
Indianola 4 W	7	2.61				0.19					0.09							0.17	0.01		T			0.85	0.43	0.81			0.06			T																																			
Knoxville	8	1.56				0.21			T								0.06	0.06			0.04		0.39	0.23	0.54			0.02	T			0.01																																			
Lamoni	7	2.99				0.09		0.12					0.20					0.23	0.05		0.02		0.35	0.08	1.28							0.57																																			
Lamoni Airport	24	2.90			0.12		0.11					0.30					0.37	0.04			T			0.30	1.13	0.15					0.38																																				
Lorimor	8	3.16				0.23												0.86	0.20					0.60	0.15	1.12																																									
Mount Ayr	8	2.89			0.68			0.10										T	0.15	T			0.35	0.41	1.20																																										
Osceola	8	2.53				0.27							0.01					0.41	0.10					0.43		1.31																																									
Pella 1 S	7	2.20				0.30		0.01									0.35	0.11					0.16	0.29	0.81			0.03	0.04			0.10																																			
Rathbun Dam	7	4.10				0.52			0.01				0.05				0.16	0.52	0.10				0.47	0.05	2.15			0.05	0.01			0.01																																			
Winterset 1 S	7	3.39				0.20												1.03	0.08					0.82	0.33	0.93																																									
SOUTHEAST DIVISION																																																																			
Bloomfield 1 WNW	7	3.50				0.62							0.06				0.10	0.41	0.05					0.19	0.09	1.75			T			0.23																																			
Brighton	7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M					0.71	0.47		T		T	0.02																																					
Burlington Airport	24	4.56						0.01				0.52					T	0.46	T		0.29			0.71	0.16			0.01			0.95	1.45																																			
Donnellson	7	2.67											0.99					T	0.09	0.05			T		0.15	0.92					T	0.38	0.09																																		
Fairfield	8	1.49				0.29							T				0.17	T					0.03	0.31	0.69			T			T																																				
Fort Madison	24	3.26			0.01			0.05				0.49					0.74				0.02			0.63	0.46						0.43	0.43																																			
Keokuk Lock & Dam 19	6	4.25											0.92						0.03		0.03				2.70						0.49	0.08																																			
Keosauqua	7	2.58				0.06			T	T			0.98				0.17		0.03					0.18	0.72						0.27	0.17																																			
Mount Pleasant 1 SSW	7	1.50				0.10							0.50				0.10		T					0.15	0.65																																										
Oskaloosa	7	1.96				0.30											0.86	0.07	0.01				0.04	0.21	0.40			0.02			0.05																																				
Ottumwa Airport	24	1.77			0.37							0.29				0.27	0.23	T				0.14	0.36	0.11			T	T		T	T																																				
Ottumwa 5 W	7	3.68				0.28							0.16				T	1.89	0.01				0.12	0.12	0.96		0.01			0.12	0.01																																				
Salem 1 S	7	1.19				0.04							0.10								0.04			0.04	0.52							0.45																																			
Sigourney	7	2.27				0.20							0.07				1.15	T					T	0.48	0.21			0.01			0.15																																				
Washington	7	3.38				0.09							0.82				0.80		T		0.01	T	1.10	0.45			T	T		0.04	0.07																																				
SUPPLEMENTAL STATIONS																																																																			
Moline Airport	24	0.68				T						T					0.14		0.02	T		0.09		0.19	0.09			T		0.01	0.14																																				
Omaha Eppley AP	24	3.29	T				0.09					T	0.24																																																						

AUGUST 2017		STATION INDEX						IOWA CLIMATE REVIEW			AUGUST 2017		STATION INDEX						IOWA CLIMATE REVIEW		
			COORDINATES						ELEV				COORDINATES						ELEV		
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)		STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)	
			DEG	MIN	SEC	DEG	MIN	SEC						DEG	MIN	SEC	DEG	MIN	SEC		
Akron	NW	Plymouth	42	49	37	96	33	21	1125		Decorah	NE	Winneshiek	43	18	15	91	47	43	860	
Albia 3 NNE	SC	Monroe	41	3	56	92	47	12	890		Denison	WC	Crawford	42	2	11	95	19	44	1401	
Algona 3 W	NC	Kossuth	43	4	6	94	18	19	1230		Des Moines Airport	C	Polk	41	32	2	93	39	11	957	
Allerton	SC	Wayne	40	42	15	93	22	11	1110		Des Moines Camp Dodge	C	Polk	41	44	12	93	43	25	959	
Allison	NC	Butler	42	45	13	92	48	8	1048		De Witt	EC	Clinton	41	48	39	90	32	26	685	
Ames Airport	C	Story	41	59	26	93	37	8	955		Donnellson	SE	Lee	40	38	45	91	33	50	705	
Ames 8 WSW	C	Boone	42	1	15	93	46	27	1099		Dubuque L & D 11	NE	Dubuque	42	32	24	90	38	46	620	
Ames 5 SE	C	Story	41	57	7	93	33	56	870		Dubuque Airport	NE	Dubuque	42	23	52	90	42	13	1056	
Anamosa 3 SSW	EC	Jones	42	5	35	91	18	7	906		Eldora	C	Hardin	42	21	55	93	5	50	1144	
Ankeny	C	Polk	41	43	6	93	34	27	940		Elkader 6 SSW	NE	Clayton	42	46	31	91	27	13	788	
Atlantic 1 NE	SW	Cass	41	25	3	95	0	14	1148		Emmetsburg	NW	Palo Alto	43	6	9	94	41	0	1260	
Audubon	WC	Audubon	41	42	25	94	55	20	1280		Estherville Airport	NW	Emmet	43	24	4	94	44	50	1317	
Battle Creek 3 NE	WC	Ida	42	22	12	95	34	30	1380		Estherville 4 E	NW	Emmet	43	24	13	94	44	50	1320	
Beaconsfield	SC	Ringgold	40	48	25	94	2	51	1215		Everly 3 WNW	NW	Clay	43	11	0	95	22	59	1365	
Bedford	SW	Taylor	40	40	27	94	43	28	1190		Fairfield	SE	Jefferson	41	1	16	91	57	19	746	
Belle Plaine	EC	Benton	41	52	53	92	16	35	810		Fayette	NE	Fayette	42	51	1	91	48	57	1130	
Bellevue L & D 12	EC	Jackson	42	15	40	90	25	23	603		Forest City 2 NNE	NC	Winnebago	43	17	4	93	37	50	1276	
Bloomfield 1 WNW	SE	Davis	40	45	35	92	26	22	812		Fort Dodge 5 NNW	C	Webster	42	35	1	94	12	2	1140	
Boone	C	Boone	42	2	30	93	53	26	1035		Fort Madison	SE	Lee	40	37	16	91	19	34	530	
Brighton	SE	Washington	41	10	33	91	49	6	609		Gilman	C	Marshall	41	52	41	92	46	43	1040	
Britt	NC	Hancock	43	6	6	93	48	5	1240		Glenwood	SW	Mills	41	3	6	95	44	57	1060	
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910		Greenfield	SW	Adair	41	17	53	94	27	22	1330	
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692		Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912	
Carroll	WC	Carroll	42	3	54	94	51	0	1227		Grundy Center	C	Grundy	42	21	53	92	45	34	1045	
Cascade	NE	Dubuque	42	17	56	90	59	54	870		Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075	
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450		Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618	
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868		Hampton	NC	Franklin	42	45	22	93	12	4	1230	
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810		Harlan 1 ESE	WC	Shelby								
Centerville	SC	Appanoose	40	44	11	92	52	9	980		Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050	
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940		Hawarden	NW	Sioux	43	0	11	96	29	6	1190	
Charles City	NC	Floyd	43	3	37	92	40	18	993		Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100	
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180		Holstein	WC	Ida	42	29	23	95	32	56	1370	
Clarinda	SW	Page	40	43	28	95	1	19	980		Indianola 4 W	SC	Warren	41	21	56	93	38	53	942	
Clarion	NC	Wright	42	43	12	93	44	1	1156		Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019	
Clinton #1	EC	Clinton	41	47	41	90	15	50	594		Iowa City	EC	Johnson	41	36	33	91	30	18	640	
Clutier	C	Tama	42	4	48	92	24	18	900		Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668	
Coggon	EC	Linn	42	16	45	91	31	30	903		Iowa Falls	C	Hardin	42	31	8	93	15	13	1051	
Corning 1 W	SW	Adams	40	59	18	94	45	32	1190		Jefferson 2 NW	WC	Greene								
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255		Kanawha	NC	Hancock	42	55	52	93	47	36	1185	
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320		Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527	
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110		Keosauqua	SE	Van Buren	40	43	39	91	58	6	592	
Davenport Airport	EC	Scott	41	36	42	90	34	54	748												

AUGUST 2017			STATION INDEX			IOWA CLIMATE REVIEW			AUGUST 2017			STATION INDEX			IOWA CLIMATE REVIEW				
STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES			ELEV (FT)						
			DEG	MIN	SEC					DEG	MIN	SEC		DEG	MIN	SEC	DEG	MIN	SEC
Knoxville	SC	Marion	41	19	29	93	6	3	915	Postville	NE	Allamakee	43	5	24	91	33	29	1165
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260	Primghar	NW	O' Brien	43	5	11	95	37	45	1520
Lamoni	SC	Decatur	40	37	24	93	57	3	1128	Randolph	SW	Fremont	40	52	28	95	34	0	980
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135	Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	966
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577	Red Oak	SW	Montgomery	41	0	13	95	14	31	1040
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320	Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025	Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347
Logan	WC	Harrison	41	38	17	95	47	18	1030	Rock Valley	NW	Sioux	43	12	16	96	18	22	1246
Lorimor	SC	Union	41	7	29	94	3	5	1230	Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224
Lowden	EC	Cedar	41	51	23	90	55	48	715	Sac City	WC	Sac	42	25	10	94	58	34	1210
Manchester #2	NE	Delaware	42	28	24	91	27	6	990	Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200	Salem 1 S	SE	Henry	40	50	8	91	37	20	650
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782	Sanborn	NW	O' Brien	43	10	45	95	39	37	1551
Marshalltown	C	Marshall	42	3	53	92	55	28	871	Sheldon	NW	O' Brien	43	10	51	95	51	10	1420
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974	Shenandoah	SW	Page	40	46	2	95	22	48	975
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105	Sibley	NW	Osceola	43	24	17	95	44	54	1529
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225	Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140
Massena	SW	Cass	41	15	19	94	45	54	1325	Sigourney	SE	Keokuk	41	20	11	92	12	16	800
Moline Airport		Rock Island,IL	41	27	55	90	31	24	592	Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965	Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095
Monticello	EC	Jones	42	14	28	91	10	24	820	Sioux Falls		Minnehaha,SD	43	34	40	96	45	14	1428
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180	Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730	Spener Airport	NW	Clay	43	9	52	95	12	6	1338
Muscatine	EC	Muscatine	41	24	27	91	4	22	549	Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680	Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059	Stanley 3 WSW	NE	Buchanan	42	38	0	91	51	48	1114
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148	Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442
Newton	C	Jasper	41	42	42	93	1	47	960	Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200
Northwood	NC	Worth	43	26	19	93	13	31	1190	Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260	Swisher	EC	Johnson	41	50	59	91	40	35	790
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165	Toledo 3 N	C	Tama	42	2	8	92	34	50	949
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982	Tripoli	NE	Bremer	42	48	45	92	15	27	960
Orange City	NW	Sioux	43	0	2	96	3	14	1380	Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080
Osage	NC	Mitchell	43	16	46	92	48	38	1170	Vinton	EC	Benton	42	10	13	92	0	28	850
Osceola	SC	Clarke	41	1	10	93	45	1	1028	Wapello	SE	Louisa							
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830	Washington	SE	Washington	41	16	57	91	42	28	687
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842	Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868
Ottumwa 5 W	SE	Wapello	41	0	36	92	31	3	833	Webster City	C	Hamilton	42	28	7	93	47	50	1170
Pella 1 S	SC	Marion	41	22	34	92	55	13	780	Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Perry	C	Dallas	41	50	22	94	6	38	965	Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212	Zearing	C	Story	42	10	1	93	18	35	1116

REFERENCE NOTES

DEFINITIONS

STATION NAMES: Name of the city or locality. Figures and letters following the station name indicate the distance and direction from the post office or town community center.

NORMALS: The average of the meteorological element over the period from 1981 to 2010. Normals are calculated by the National Climatic Data Center and are revised once every 10 years. The precipitation and snowfall normals are strictly an average of the values recorded during the 1981-2010 period. However, temperature and degree day normals may have been adjusted to better correspond to the current (as of 2010) temperature measurement practice and thus may vary slightly from the average of the original 30-year values.

DEGREE DAYS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature [average of the daily maximum and minimum air temperature] is BELOW (ABOVE) 65°F. Degree days are used to provide a measure of the effect of temperature upon energy consumption for heating or cooling of homes or buildings. The greater the heating (cooling) degree day total, the greater the amount of energy needed to heat (cool) your home or building.

PRECIPITATION: Values shown in hundredths of an inch are water equivalent totals, i.e., total of liquid (rain) and melted frozen (snow, sleet, hail) precipitation. The snowfall data tables include the unmelted depth of snow and sleet in tenths of an inch. The depth of snow on the ground (SN ON GROUND) refers to the depth of all snow or ice (new or old). This 'Snow on Ground' value is the depth of snow on the ground at the time of the precipitation observation at all stations *except*: Burlington, Davenport, Des Moines, Dubuque, Mason City, Moline, Omaha, Ottumwa, Sioux City and Sioux Falls Airports where the snow depth is measured at 6 a.m. CST while the new snowfall is that for the 24 hour period ending at midnight. Daily precipitation and snowfall amounts are for the 24 hours ending at the time of observation (given in the 'OBS TIME' column). An asterisk in the daily precipitation table indicates that the rain gage was not read that day. A multi-day precipitation total is included in the amount immediately following the asterisks.

TEMPERATURE: The daily maximum (MAX) and minimum (MIN) temperatures are recorded for the 24 hours ending at the time of observation. The significance of the time of observation in interpreting these data is discussed in the preceding paragraph.

TIME OF OBSERVATION: At most locations measurements of temperature and precipitation are made only once daily at the same hour of the day. This time is referred to as the 'Time of Observation' and is given in the 'OBS TIME' column of the data tables. All observations, unless otherwise noted, are for the 24 hour period ending at the time of observation. Note that in most cases the resulting data are not for calendar day (i.e., midnight-to-midnight) periods and further that the temperature observations may be made at a different time than the precipitation observation at the same station. See the PRECIPITATION paragraph in this section for a further explanation of the significance of the time of observation. All times are expressed on a 24-hour clock (i.e., 7 a.m. = 7; 5 p.m. = 17; midnight = 24, etc.).

SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

'_____' Underlined data in the daily temperature, precipitation and snowfall tables indicates that the data in question has been estimated. Estimated data are provided when the original measurements are not available or are of suspect accuracy.

ITALICS. Data given in italics in the daily precipitation or snowfall tables indicate that the date on which the precipitation was reported has been changed from what was given on the original reports.

'+' A plus sign in the monthly summarized data tables indicates that the temperature or precipitation extreme given also occurred on one of more earlier dates during the month.

BLANK ENTRIES: Blank entries in the monthly summarized data table indicates that no data are available. Blank entries in the daily precipitation and snowfall data tables indicates that no precipitation was recorded. M = missing, no data recorded.

ABBREVIATIONS:

TMP DEP NOR: Temperature departure from the 1981-2010 normal.

EXT MAX: Extreme maximum temperature for the month and the day on which it was measured.

EXT MIN: Extreme minimum temperature for the month and the day on which it was measured.

MAX 90+: Number of days with maximum temperatures which were greater than or equal to 90°F.

MAX 32-: Number of days with maximum temperatures which were less than or equal to 32°F.

MIN 32-: Number of days with minimum temperatures which were less than or equal to 32°F.

MIN 0°: Number of days with minimum temperatures which were less than or equal to 0°F.

17/18 SEAS: 2017-2018 season (July 1, 2017 through the end of the published month).

NOR SEAS: Normal number of degree days through the end of the published month.

DEP NORM: Monthly precipitation total departure from 1981-2010 normal.

EXT DAY: Extreme one-day precipitation amount and the day on which it occurred.

.01+: Number of days with precipitation of 0.01 inch or greater.

.10+: Number of days with precipitation of 0.10 inch or greater.

1.00+: Number of days with precipitation of 1.00 inch or greater.

MAX ON GRD: Maximum depth of accumulated snow on the ground (inches) and the day on which it was measured.

OBS TIME: Observation Time: The time (24-hour clock) at which the daily temperature and/or precipitation measurement is made (7 = 7 a.m.; 17 = 5 p.m.; 24 = midnight).

DIV: Climate Division: NW = northwest, NC = north central, etc.

LAT: Latitude in degrees and minutes north.

LON: Longitude in degrees and minutes west.

T: Trace: < 0.005" of precipitation; < 0.05" snowfall or <0.5" snow on ground.

