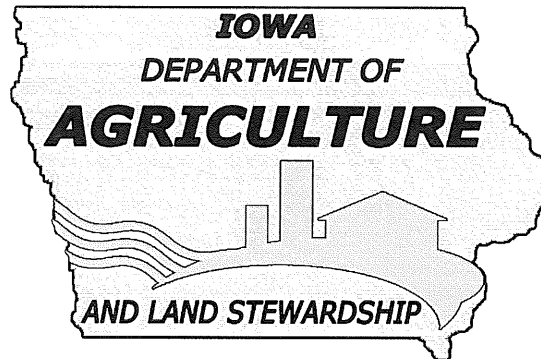


Iowa Department of Agriculture & Land Stewardship  
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

# IOWA CLIMATE REVIEW

VOLUME 31, NUMBER 10  
OCTOBER 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.

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The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Des Moines. 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 MONTHLY WEATHER SUMMARY – OCTOBER 2017

General Summary. Temperatures averaged 53.2° or 2.4° above normal and precipitation 5.35 inches or 2.74 inches above normal. This ranks as the 34<sup>th</sup> warmest and 4<sup>th</sup> wettest October among 145 years of records. A wetter October was last recorded in 2009 and a warmer one just last year.

Temperatures. The unseasonably warm pattern that began during the second week of September continued with only brief breaks through October 26. Temperatures reached into the eighties somewhere in the state on eleven dates during October with the last one coming on the 21<sup>st</sup> when Burlington reached 82°. There were a few very brief cold weather episodes earlier in the month with the first freeze of the season reported at Rock Rapids and Sibley on the morning of the 10<sup>th</sup> and a hard freeze the next morning over portions of far western and northwest Iowa where Sheldon recorded a low of 25°. Much colder air finally arrived late in the month. A hard freeze was widespread over most of the northwest one-half of the state on the morning of the 28<sup>th</sup>. The first statewide freeze hit on the morning of the 29<sup>th</sup> with all but the extreme east seeing another hard freeze on the morning of the 31<sup>st</sup>. Monthly extremes varied from highs of 88° at Burlington, Indianola, Iowa City, Oskaloosa and Ottumwa on the 2<sup>nd</sup> with lows down to 14° at Little Sioux on the morning of the 28<sup>th</sup> and also at Le Mars, Sheldon and Spencer on the morning of the 31<sup>st</sup>.

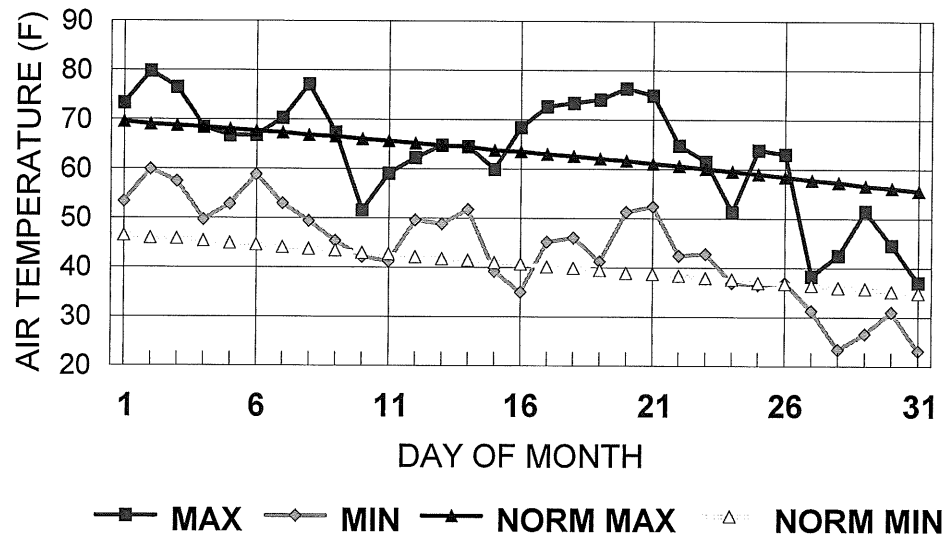
Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 18% less than normal but 19% more than last October. Thus far this heating season heating requirements are running an estimated 25% less than normal and 22% more than last year at this time.

Precipitation. The big weather news of the month was the frequent and heavy rainfall during the first one-half of October. There were four widespread significant rain events during the first fourteen days of the month. The largest of these events began on the 5<sup>th</sup> and continued into the afternoon of the 7<sup>th</sup> bringing a statewide average of 2.27 inches of rain (nearly matching the October normal of 2.63 inches). Heaviest rains with this event fell across western and northwestern Iowa with 6.69 inches

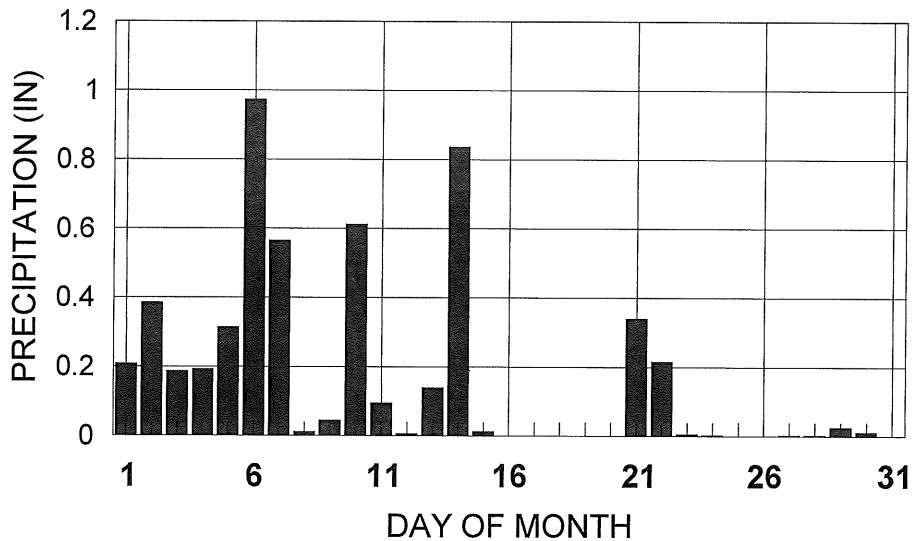
reported near New Market in Taylor County. Other widespread rain events came on the 1<sup>st</sup>-3<sup>rd</sup>, mainly over west and northwest Iowa; then on the 10<sup>th</sup> over eastern Iowa and on the 13<sup>th</sup>-14<sup>th</sup> with greatest amounts over the southeast one-half of the state. A welcome period of dry weather prevailed from the 15<sup>th</sup> through the 20<sup>th</sup> but was followed by another period of widespread rain on the 21<sup>st</sup>-22<sup>nd</sup> when heaviest rains fell from south central into northeast Iowa. A statewide average of only 0.06 inches of precipitation fell over the last nine days of the month. The first snow of the season came from late on the 26<sup>th</sup> through the morning of the 28<sup>th</sup> but with only a few small areas of northern Iowa seeing a brief very light accumulation. There were more snow flurries scattered across Iowa on the 30<sup>th</sup>. Monthly precipitation totals ranged from 2.58 inches at Maquoketa to 9.39 inches near New Market. Every reporting point in the state exceeded their normal October precipitation total except for De Witt and Maquoketa. Three locations set new records for most October rainfall. At Grundy Center 7.37 inches of rain was recorded, breaking their old record of 6.84 inches set in 1919 among 126 years of record. Meanwhile Sioux City recorded 6.83 inches, breaking their old record of 5.80 inches set in 1881 among 135 years of records and Glenwood picked up 7.13 inches surpassing their 1881 record of 6.85 also set in 1881. Relatively dry conditions prior to the early October rains prevented any significant flooding. Drought, with coverage peaking at 45% of the state in mid-August had shrunk to only 6% of Iowa by the end of October. Nevertheless, the latest USDA Ag Statistics weekly weather summary indicated that more than 60% of south central and southeast Iowa remained short or very short of subsoil moisture.

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# **IOWA DAILY MAX & MIN TEMPERATURES** OCTOBER 2017 (SELECTED STATIONS)



# **IOWA AVERAGE DAILY PRECIPITATION** OCTOBER 2017 (SELECTED STATIONS)



OCTOBER 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	48	61	63	50	58	65	59	52	39	42	46	50	54	58	39	39	44	49	47	53	58	42	39	30	37	37	28	24	33	27	21	44.9			
Burlington	44	60	67	60	63	67	60	55	55	53	52	55	58	65	44	40	43	45	51	51	59	52	45	33	36	40	28	27	27	29	22	47.9			
Cedar Rapids	42	58	64	50	53	64	59	52	46	44	50	53	54	61	41	37	42	46	42	49	57	47	41	31	34	37	29	25	30	29	20	44.7			
Davenport																																#####			
Des Moines	46	60	62	51	59	66	58	52	39	41	45	49	53	58	38	38	42	47	46	52	57	42	38	28	35	36	26	22	29	24	18	43.8			
Dubuque	41	56	62	49	48	60	59	52	48	44	50	53	54	59	41	37	42	45	37	48	56	48	43	33	34	37	29	26	27	28	21	44.1			
Estherville																																#####			
Iowa City																																#####			
Lamoni	46	62	64	55	63	66	57	51	45	42	45	49	55	60	39	38	43	47	51	53	57	43	39	30	35	37	24	23	27	25	20	44.9			
Marshalltown	45	60	62	47	54	64	60	51	40	42	47	52	54	59	39	37	43	47	44	51	57	45	40	30	35	36	29	25	32	28	19	44.3			
Mason City	46	59	57	42	50	56	54	49	36	37	44	50	47	51	37	36	42	43	37	48	55	38	37	29	34	33	29	24	32	25	17	41.1			
Moline, IL	41	56	64	55	56	65	58	52	36	42	49	52	53	55	62	42	39	41	42	45	48	55	50	45	33	34	38	28	26	25	29	21	45.5		
Omaha, NE	51	61	58	48	58	59	52	50	38	36	39	48	49	51	37	38	43	46	48	54	53	36	35	28	35	33	22	15	29	21	20	41.6			
Ottumwa	45	60	65	54	60	66	59	53	47	45	48	51	54	62	40	38	42	46	49	51	58	48	41	30	36	38	27	25	27	27	20	45.5			
Sioux City	55	62	55	48	57	56	52	48	39	35	36	48	43	50	36	37	43	45	46	54	51	35	36	30	36	33	23	16	34	21	21	41.3			
Sioux Falls, SD	58	58	50	43	53	52	50	44	36	31	34	48	35	44	37	38	43	41	45	54	49	35	36	30	38	32	24	16	34	22	21	39.7			
Spencer																																#####			
Waterloo	41	58	60	44	49	60	59	50	38	41	47	51	52	57	38	35	42	45	39	48	55	45	39	29	34	35	29	23	30	25	18	42.5			
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																																	AVG		
Ames	12.7	12.3	11.3	5.3	3.6	4.9	10.3	8.9	16.5	14.2	5.8	8.3	5.3	8.9	13.3	7.6	9.8	8.8	6.7	13.8	15.6	6.8	14.0	19.2	5.9	14.7	20.0	8.6	6.9	19.4	8.3	10.6			
Burlington	8.9	13.0	12.7	5.8	3.7	9.2	14.3	5.3	6.1	13.3	5.9	5.5	7.2	7.1	10.4	5.6	9.9	9.9	5.0	9.7	13.6	6.0	7.7	12.5	6.6	13.3	14.3	7.9	6.3	12.9	6.1	8.9			
Cedar Rapids	11.6	13.8	11.5	5.3	5.4	9.7	14.5	7.5	11.6	14.2	6.8	6.8	9.2	11.7	13.7	6.4	10.3	9.8	7.3	10.4	14.0	7.2	11.7	19.8	7.8	16.8	21.9	10.3	7.7	19.0	9.4	11.1			
Davenport	9.7	11.8	13.5	5.9	5.2	8.9	15.8	6.6	5.2	12.8	7.8	5.4	8.1	9.3	13.5	6.8	10.9	10.4	7.3	10.5	15.5	5.5	7.0	15.6	6.3	14.0	17.9	10.8	7.4	16.2	7.8	10.0			
Des Moines	14.3	14.6	12.2	4.6	5.9	8.3	12.6	9.0	14.2	12.9	6.1	9.3	8.4	12.5	12.7	8.1	11.3	10.9	8.8	13.8	15.8	7.5	13.4	19.5	8.7	17.4	22.3	8.9	7.8	20.3	8.0	11.6			
Dubuque	12.9	14.4	13.4	6.9	5.7	10.2	17.5	8.4	10.2	16.1	10.8	7.7	8.5	12.6	13.5	8.1	13.0	12.6	7.5	11.4	16.1	6.5	9.5	16.1	5.5	16.1	17.3	10.7	8.9	18.5	9.5	11.5			
Estherville	17.0	10.3	8.9	5.4	5.5	11.8	10.1	10.5	12.2	7.3	7.0	12.3	8.0	9.7	11.2	10.2	7.7	9.4	10.1	18.1	14.8	8.5	14.6	19.6	8.2	17.8	20.1	8.6	8.2	17.1	8.6	11.3			
Iowa City	9.9	11.0	10.8	4.3	4.2	7.0	11.4	4.6	8.9	12.2	5.4	5.8	7.8	8.1	11.5	4.7	9.1	7.3	3.9	8.1	13.6	5.5	8.8	17.0	5.7	13.0	19.4	9.2	5.5	16.4	8.0	9.0			
Lamoni	10.7	14.0	10.4	5.8	5.7	10.6	14.3	8.4	14.6	15.0	5.5	7.6	7.6	11.3	13.0	9.2	11.4	10.5	6.3	11.7	13.8	7.0	15.9	19.1	10.7	16.5	20.0	9.2	9.3	17.7	6.1	11.3			
Marshalltown	14.1	13.4	12.1	4.8	5.9	10.3	12.3	9.3	14.8	14.6	6.2	8.5	8.1	11.1	14.3	8.1	11.1	10.2	8.1	14.7	16.3	7.1	13.8	21.2	10.5	17.4	21.8	10.9	8.4	19.0	10.1	11.9			
Mason City	14.1	13.9	12.4	6.9	5.9	8.6	10.4	11.1	16.0	10.4	7.4	11.5	7.5	10.3	14.9	8.9	10.2	10.3	8.7	14.8	16.0	8.7	17.4	22.7	10.9	17.7	23.5	11.3	10.2	21.1	10.1	12.4			
Moline, IL	8.7	11.0	12.0	4.6	3.3	7.9	14.0	4.0	5.1	11.4	7.6	3.7	6.1	8.1	13.2	5.4	9.1	9.5	5.1	7.8	15.3	5.1	8.1	16.6	5.5	14.2	19.5	11.6	6.2	17.1	9.2	9.2			
Omaha, NE	18.8	16.2	10.0	7.3	5.6	6.5	9.4	9.2	17.7	11.9	5.1	12.0	8.0	11.0	9.7	10.1	8.9	9.3	8.7	19.6	16.4	6.1	17.7	20.3	6.6	20.9	19.5	6.6	10.2	19.6	8.2	11.8			
Ottumwa	12.0	16.1	11.2	5.7	6.7	10.6	14.0	8.0	11.0	15.3	7.2	8.0	7.3	8.5	14.1	7.6	11.5	11.0	8.3	12.7	16.5	6.7	12.7	19.6	9.5	17.6	17.9	11.1	8.5	16.9	7.6	11.3			
Sioux City	13.0	4.6	8.8	3.9	4.8	9.7	9.8	10.5	12.7	6.9	5.7	9.6	7.9	11.3	9.4	7.7	6.4	7.5	8.4	16.0	12.1	5.8	19.9	20.3	8.3	25.3	20.7	6.1	8.6	18.9	8.1	10.6			
Sioux Falls, SD	17.3	8.8	9.5	2.7	5.3	9.0	7.9	11.0	8.1	3.2	8.0	12.3	7.1	9.8	8.4	6.3	5.4	8.8	10.9	20.2	14.6	7.1	18.8	16.7	8.2	22.8	19.2	3.9	8.2	20.0	10.8	10.7			
Spencer	19.2	8.4	8.9	4.8	5.2	11.4	11.0	10.6	11.4	7.0	6.7	11.9	8.7	11.7	12.0	9.2	6.6	6.9	8.8	18.1	17.6	8.6	16.3	22.2	10.9	19.6	23.5	8.1	9.0	21.2	9.4	11.8			
Waterloo	14.8	13.9	13.1	5.3	5.6	9.9	12.7	8.5	15.1	13.3	5.8	8.8	5.8	11.0	12.1	7.2	10.9	10.2	6.2	12.7	14.6	5.5	12.8	18.6	7.8	14.8	16.8	10.2	8.8	15.8	8.4	10.9			
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																																	MAX		
Ames	30	35	33	15	17	21	31	27	36	29	18	22	23	38	40	25	24	26	22	35	36	20	42	45	33	41	41	26	22	43	28	45			
Burlington	25	29	26	20	13	25	41	21	27	31	21	19	18	34	35	21	25	27	15	24	35	22	34	34	21	36	32	23	24	35	28	41			
Cedar Rapids	28	30	32	21	20	25	43	26	27	29	18	17	22	29	40	23	26	27	21	27	35	26	41	40	26	46	39	26	23	38	26	46			
Davenport	24	27	32	20	17	23	43	20	19	28	20	13	23	22	38	20	26	28	19	30	32	25	28	36	15	39	35	27	22	37	32	43			
Des Moines	32	33	32	16	18	23	31	23	36	30	15	20	26	40	46	20	25	25	21	35	38	19	45	47	23	44	42	24	21	46	26	47			
Dubuque	30	27	32	19	25	30	47	25	24	30	24	15	23	28	39	22	28	32	16	26	36	22	29	37	13	37	35	26	27	39	29	47			
Estherville	38	27	25	19	17	30	24	23	32	18	19	27	24	37	36	29	16	25	28	40	35	21	44	50	23	46	43	21	20	39	26	50			
Iowa City	25	29	29	17	16	25	38	24	24	29	19	17	25	27	37	21	24	29	20	29	40	26	40	39	20	44	39	25	21	35	29	44			
Lamoni	27	34	29	26	22	25	38	21	3																										





OCTOBER 2017										MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																						IQWA 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	OCT	OCT	17-18	NORM	OCT	OCT	2017	NORM		DEP	EXT				MAX												
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	VORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY									
Dubuque Lock & Dam 11	62.6	46.1	54.4	2.5	79	3	28	29	0	0	3	0	332	414	406	531	10	9	766	905	6.27	3.52	1.53	7	12	7	3	T	0										
Dubuque Airport	62.1	44.4	53.3	3.3	81	2	23	29	0	0	4	0	371	471	486	649	12	6	577	643	6.19	3.53	1.55	10	13	7	3	T	0										
Elkader 6 SSW	63.2	41.2	52.2	2.7	82	3	20	29	0	0	8	0	397	489	566	695	10	7	520	640	4.15	1.56	0.98	11	13	6	0	T	0										
Fayette	62.4	42.6	52.5	3.7	81	3	23	29	0	0	5	0	384	506	489	718	5	5	598	588	6.71	4.14	2.43	7	13	6	3	T	0										
Guttenberg L & D 10	62.8	47.4	55.1	3.4	81	2	28	29	0	0	2	0	317	422	371	548	18	10	875	868	4.70	2.29	1.76	11	11	8	1	T	0										
Ionia 2 W																					4.71	2.04	7		14	7	1	T	0										
Manchester #2	62.5	41.5	52.0	3.1	84	3	21	29	0	0	7	0	406	505	555	716	8	6	565	607	6.68	3.83	1.89	11	12	8	2	T	0										
New Hampton	61.2	41.1	51.2	3.0	79	3	22	29	0	0	8	0	427	525	561	742	4	4	510	540	6.35	3.77	2.40	7	15	9	3	T	0										
Oelwein 1 E	63.6	43.3	53.5	4.2	84	3	23	30 +	0	0	5	0	359	499	440	658	7	11	689	594	5.64	3.19	1.45	7	11	7	4	T	0										
Postville	61.9	42.3	52.1		80	3	24	29	0	0	5	0	397		522		5		570		6.61	4.16	2.54	7	11	7	3	T	0										
Stanley 3 WSW	62.3	41.2	51.8		82	3	19	29	0	0	7	0	408		573		6		538		4.97		1.32	11	11	7	3	T	0										
Strawberry Point																					4.71		1.02	11		8	1	T	0										
Tripoli	63.2	42.8	53.0	3.8	86	3	25	29	0	0	5	0	373	498	457	688	8	6	698	651	5.85	3.26	2.04	7	15	7	3	T	0										
Waterloo Airport	62.0	42.6	52.3	2.0	83	2	20	28	0	0	6	0	396	465	492	623	10	9	720	799	5.55	3.07	1.49	6	11	6	2	T	0										
WEST CENTRAL DIVISION																																							
Audubon	63.0	41.5	52.3	2.4	81	3	19	31	0	0	5	0</																											



OCTOBER 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	OCT	OCT	17-18	NORM	OCT	OCT	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
Centerville	65.8	44.3	55.1	2.3	86	3	21	29	0	0	3	0	323	390	378	509	21	10	911	937	3.99	1.07	0.91	22	10	6	0	0.0	0	
Chariton 1 E	64.4	43.5	54.0	2.8	83	3	21	29	0	0	4	0	350	436	432	591	14	8	792	795	6.04	3.15	1.60	22	8	6	3	0.0	0	
Creston 2 SW	64.6	44.1	54.4	2.5	84	3	19	31	0	0	5	0	333	415	397	554	12	9	934	850	4.77	2.34	1.36	15	11	8	1	0.0	0	
Indianola 4 W	65.9	45.2	55.6	3.7	88	3	20	31	0	0	3	0	309	416		550	25	11		867	4.22	1.42	1.10	22	8	6	1	0.0	0	
Knoxville	64.1	45.3	54.7	1.8	84	3	25	31	0	0	3	0	321	389	363	500	10	12	1032	972	4.52	1.76	1.38	22	9	6	2	0.0	0	
Lamoni	66.7	45.8	56.3	3.3	86	3	24	31	0	0	3	0	287	383	311	487	23	12	1250	1051	7.91	4.57	3.35	6	10	7	3	0.0	0	
Lamoni Airport	64.8	46.0	55.4	2.4	84	2	22	31	0	0	3	0	305	384	331	484	19	13	1150	946	6.59		2.77	5	12	8	2	0.0	0	
Lorimor																					5.66	3.32	1.43	15	8	7	2	0.0	0	
Mount Ayr	64.9	42.6	53.8	1.7	85	3	19	31	0	0	6	0	351	408	408	543	11	10	892	836	7.42	4.63	4.23	6	13	7	2	0.0	0	
Osceola	65.9	44.7	55.3	3.4	86	3	21	29	0	0	3	0	312	417	357	545	19	11	1081	903	6.71	4.00	2.39	4	8	6	3	0.0	0	
Pella 1 S																					3.09	0.29	0.93	22	9	6	0	0.0	0	
Rathbun Dam	65.2	44.9	55.1	2.2	86	3	21	29	0	0	3	0	319	387	360	496	17	13	994	962	3.96	0.90	1.08	22	10	5	1	0.0	0	
Winterset 1 S														422		566		11			814	3.91	1.40	1.33	7	8	6	1	0.0	0
SOUTHEAST DIVISION																														
Bloomfield 1 WNW														371		481		12			966	3.72	0.74	1.31	22	9	5	2	0.0	0
Brighton																					6.73	6.73	1.96	15	11	6	3	0.0	0	
Burlington Airport	66.7	48.3	57.5	2.1	86	2	24	29	0	0	3	0	266	323	306	394	41	24	1068	1206	5.02	1.90	1.98	14	11	4	2	0.0	0	
Donnellson	65.5	46.2	55.9		86	3	20	30	0	0	3	0	298		334		21		1134		4.55	1.53	1.81	15	11	5	2	0.0	0	
Fairfield	65.0	46.8	55.9	1.5	85	3	25	29	0	0	3	0	291	343	339	431	18	16	1008	1084	4.64	1.40	1.30	15	10	6	2	T	0	
Fort Madison	66.1	49.2	57.7	2.5	84	9	27	29	0	0	2	0	254	320	284	390	34	16	1181	1200	5.87	2.89	2.79	14	9	6	2	0.0	0	
Keokuk Lock & Dam 19	66.9	49.2	58.1	3.1	85	4	27	30	0	0	3	0	251	327	288	406	42	17	1115	1143	4.63	1.30	2.00	15	10	5	2	0.0	0	
Keosauqua	65.8	44.8	55.3		85	3	22	29	0	0	3	0	306	355	357	452	13	16	1036	1075	5.85	2.82	1.60	11	9	6	4	0.0	0	
Mount Pleasant 1 SSW	65.5	44.7	55.1	0.6	85	3	22	30	0	0	3	0	317	343	382	435	17	17	889	1065	3.10	0.10	1.60	15	10	5	1	0.0	0	
Oskaloosa	65.2	44.6	54.9	3.1	88	3	22	29	0	0	3	0	322	417	369	551	18	9	954	854	3.89	1.08	1.34	4	11	5	1	0.0	0	
Ottumwa Airport	65.1	45.8	55.5	3.1	88	2	21	29	0	0	3	0	316	403	353	524	26	11	1120	938	4.43	1.60	1.20	14	11	9	2	0.0	0	
Ottumwa 5 W																					4.31		1.13	15	11	7	1	0.0	0	
Salem 1 S																					5.24		1.87	15	9	5	2	0.0	0	
Sigourney														414		548		9			860	4.64	1.82	1.31	15	7	5	2	0.0	0
Washington	65.5	43.9	54.7	2.6	86	3	20	29	0	0	3	0	330	410	405	540	18	10	836	873	5.99	3.08	1.75	15	14	6	3	0.0	0	
SUPPLEMENTAL STATIONS																														
Moline Airport	67.0	47.6	57.3	4.1	86	2	23	29	0	0	3	0	264	378	313	482	33	14	993	1003	6.11	3.14	3.38	14	9	5	2	0.0	0	
Omaha Eppey AP	66.1	44.5	55.3	2.1	84	2	20	28	0	0	5	0	310	382	337	485	17	15	1349	1112	4.06	1.91	1.15	6	10	7	1	T	0	
Sioux Falls WFO AP	61.9	38.8	50.4	2.5	78	17	13	28	0	0	7	0	451	536	543	740	4	5	776	690	5.28	3.11	1.91	2	8	5	3	T	T	27
DIVISIONAL AND STATE AVERAGES																														
Northwest	61.0	39.4	50.2	1.2	81	3	14	31	0	0	7	0	452	504	559	692	1	6	719	701	4.77	2.53	3.22	7	11	6	2	T	T	27
North Central	61.2	41.4	51.3	2.4	82	3	18	31	0	0	6	0	423	506	530	703	4	6	618	634	5.48	3.11	3.68	7	14	9	1	T	T	31
Northeast	62.6	43.0	52.8	3.2	86	3	19	29	0	0	5	0	379	484	491	665	9	8	637	664	5.83	3.25	2.54	7	13	7	2	T	0	
West Central	63.0	41.1	52.1	1.6	83	3	14	29	0	0	6	0	398	457	486	612	5	9	828	813	5.36	2.95	3.79	7	11	8	1	T	T	27
Central	63.7	43.2	53.5	2.8	85	3	20	31	0	0	5	0	360	452	433	604	10	9	836	786	5.68	3.06	3.40	7	11	8	2	T	0	
East Central	64.9	44.4	54.7	3.0	88	2	19	29	0	0	4	0	330	423	412	558	18	10	785	832	4.29	1.40	2.23	15	12	6	2	T	0	
Southwest	66.0	43.8	54.9	2.5	87	3	20	31	0	0	4	0	319	403	371	518	14	12	978	952	6.87	4.26	3.86	6	12	9	2	T	0	
South Central	65.1	44.7	54.9	2.6	88	3	19	31	0	0	3	0	321	406	370	532	17	11	988	892	5.19	2.34	4.23	6	9	7	2	T	0	
Southeast	65.7	46.4	56.1	2.5	88	3	20	30	0	0	3	0	295	369	342	471	25	14	1034	1011	4.84	1.78	2.79	14	10	6	2	T	0	
State	63.5	42.9	53.2	2.4	88	3	14	31	0	0	5	0	368	449	450	602	11	9	815	800	5.35	2.74	4.23	6	11	7	2	T	T	31

OCTOBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																															IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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OCTOBER 2017		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW						
STATION	OBS TIME	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	AVG	
Washta		MAX	75	75	74	69	69	61	61	M	M	M	M	62	67	60	57	M	M	M	M	M	M	M	M	M	M	56	34	48	48	36	M	
		MIN	54	54	62	48	48	56	54	M	M	M	M	31	43	44	37	M	M	M	M	M	M	M	M	M	M	30	20	22	35	17	M	
NORTH CENTRAL DIVISION																																		
Allison	7	MAX	70	72	82	78	70	66	66	66	79	65	50	54	60	60	63	55	66	72	74	74	75	71	63	60	51	60	60	36	38	46	40	62.6
		MIN	43	52	59	50	50	51	55	50	49	42	42	44	52	51	44	37	35	45	43	40	51	49	43	40	33	35	32	32	25	28	27	42.9
Charles City	22	MAX	70	78	77	66	67	62	66	79	62	50	52	61	60	60	59	66	71	74	70	75	69	62	59	50	58	57	36	35	44	43	34	60.4
		MIN	52	58	58	49	47	54	56	47	48	40	43	52	49	48	42	33	41	45	37	47	56	45	41	39	34	36	31	26	23	31	26	43.0
Clarion	7	MAX	71	71	82	76	69	63	63	65	81	64	46	59	61	62	59	57	69	73	76	74	73	69	65	61	50	63	61	35	43	46	38	62.7
		MIN	47	55	58	50	49	54	55	49	49	40	40	40	48	46	43	33	33	43	38	40	52	46	45	36	32	33	30	30	27	34	21	41.8
Dakota City	8	MAX	71	64	79	73	69	60	62	65	77	62	46	59	62	58	58	56	69	72	75	73	75	69	65	61	50	64	60	35	44	45	39	61.8
		MIN	46	54	57	49	48	54	53	49	46	38	38	39	43	44	42	33	34	43	37	37	54	45	43	36	35	42	30	28	24	34	23	41.2
Forest City 2 NNE	7	MAX	68	61	78	71	64	64	59	64	76	61	43	56	63	53	55	54	66	72	72	72	75	69	63	58	48	60	57	34	37	44	35	59.7
		MIN	46	54	58	46	44	53	54	50	44	37	37	38	47	45	41	35	35	44	41	42	54	46	44	35	34	37	29	29	25	29	20	41.1
Hampton	7	MAX	70	68	82	80	71	65	65	65	81	66	46	58	61	61	59	60	68	73	75	73	76	70	67	63	51	64	62	35	42	46	38	63.3
		MIN	41	51	59	51	47	51	55	51	49	41	41	44	47	47	43	34	34	49	38	38	55	49	45	38	35	38	31	31	24	29	24	42.3
Mason City	7	MAX	69	67	80	75	68	66	62	62	80	63	46	55	61	60	58	55	68	74	74	72	75	69	65	61	51	61	57	36	37	45	38	61.6
		MIN	41	53	59	51	47	53	54	46	46	40	40	44	50	47	44	34	33	46	39	38	53	48	45	39	36	36	31	31	25	29	27	42.1
Mason City Airport	24	MAX	66	80	74	67	65	61	63	80	63	44	58	62	61	58	55	66	71	73	72	75	69	64	60	50	61	57	36	38	45	41	33	60.3
		MIN	52	56	49	44	47	55	50	46	40	39	43	51	45	45	38	31	45	40	34	45	50	39	40	34	34	33	31	22	24	27	19	40.3
Northwood	7	MAX	69	62	75	71	62	63	57	61	77	60	43	53	59	54	54	52	65	70	71	68	74	65	61	57	48	57	55	32	33	43	36	58.3
		MIN	45	52	55	44	44	50	52	45	44	36	36	42	48	43	41	33	33	41	36	36	48	47	40	37	31	31	29	29	22	28	23	39.4
Osage	7	MAX	70	69	78	77	66	67	65	66	79	63	48	54	61	60	57	53	66	72	74	74	74	70	63	63	50	59	57	35	35	43	37	61.5
		MIN	46	55	59	50	48	53	55	48	47	39	40	45	51	47	43	35	34	44	41	41	52	44	44	39	34	35	31	30	25	31	27	42.4
Swea City 4 W	7	MAX	69	62	72	68	66	61	57	68	74	58	44	59	63	59	55	57	68	75	72	73	77	68	65	60	49	64	58	34	43	44	36	60.6
		MIN	46	52	56	42	41	53	53	49	45	37	34	34	40	40	40	32	32	40	37	32	49	41	39	34	31	40	29	29	25	32	18	38.8
NORTHEAST DIVISION																																		
Cascade	7	MAX	70	72	83	81	71	69	68	73	80	72	56	58	63	60	69	52	66	74	75	73	77	80	55	60	49	57	67	40	36	49	42	64.4
		MIN	40	51	58	56	49	49	57	48	48	50	49	49	53	57	49	35	34	45	39	39	49	52	39	40	35	35	34	33	27	27	31	43.8
Cresco 1 NE	7	MAX	71	72	77	75	68	69	65	67	78	65	52	53	59	60	55	53	66	72	74	74	76	69	57	60	52	58	56	35	34	42	37	61.3
		MIN	35	51	59	47	40	48	54	48	47	38	40	44	51	44	42	32	31	44	34	34	52	47	42	40	30	35	30	29	22	30	27	40.2
Decorah	16	MAX	73	76	79	76	67	67	72	78	78	65	53	59	61	58	57	66	72	75	75	77	74	69	61	60	57	63	61	36	44	41	37	64.1
		MIN	50	58	67	49	46	54	60	45	50	42	44	52	52	50	44	31	41	48	36	44	61	49	37	42	32	35	32	32	23	33	30	44.2
Dubuque Lock & Dam 11	6	MAX	70	70	79	78	68	68	68	71	78	69	55	58	59	62	67	51	63	73	73	69	74	77	53	59	47	54	63	39	38	46	41	62.6
		MIN	46	52	61	60	51	51	57	52	53	51	49	50	54	53	50	39	39	48	46	45	52	53	44	44	36	37	35	34	28	29	31	46.1
Dubuque Airport	24	MAX	69	81	78	70	68	68	71	76	70	56	57	58	61	67	62	62	70	71	70	75	76	64	60	47	56	63	38	36	46	43	35	62.1
		MIN	49	57	61	48	48	56	53	48	50	47	47	53	53	56	38	33	45	45	42	50	60	42	40	36	33	37	33	32	23	32	28	44.4
Elkader 6 SSW	7	MAX	68	72	82	79	70	69	68	71	79	69	51	56	59	59	66	52	66	74	75	72	76	77	55	59	50	57	67	39	35	47	40	63.2
		MIN	36	54	63	54	44	45	55	45	45	46	46	47	54	51	46	32	31	47	35	35	45	50	33	36	33	32	32	32	20	24	30	41.2
Fayette	7	MAX	70	73	81	76	69	72	67	69	78	68	50	53	59	59	64	52	65	73	75	72	76	72	56	58	49	57	66	38	34	45	39	62.4
		MIN	42	53	59	50	45	49	55	49	49	43	44	46	53	53	44	34	34	47	43	39	50	49	41	41	34	34	31	31	23	28	28	42.6



OCTOBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
	OBS																																	
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	71	81	80	71	69	69	72	79	67	57	57	59	59	61	67	66	73	75	70	75	78	62	59	49	55	64	41	36	47	44	35	62.8
		MIN	55	58	64	54	50	57	58	52	53	49	46	55	55	54	49	38	48	52	44	52	62	46	42	41	37	40	34	33	28	33	30	47.4
Manchester #2	7	MAX	69	72	84	78	69	68	67	71	78	69	49	55	58	57	65	51	65	72	73	71	74	77	55	59	50	57	66	38	35	45	41	62.5
		MIN	43	54	60	54	46	46	55	47	47	47	45	47	48	49	44	30	31	45	36	37	47	49	35	37	34	34	32	32	21	26	29	41.5
New Hampton	8	MAX	68	71	79	76	66	68	66	69	78	63	50	53	60	60	61	53	65	71	74	71	75	69	58	59	49	56	59	35	34	43	37	61.2
		MIN	43	53	59	50	45	50	54	47	49	40	40	44	50	50	42	32	32	42	38	38	47	48	40	39	32	34	30	30	22	27	26	41.1
Oelwein 1 E	7	MAX	71	74	84	77	71	71	68	70	80	69	47	54	59	60	66	53	67	75	75	74	77	75	57	59	51	59	67	39	35	47	40	63.6
		MIN	46	52	60	53	50	50	56	50	50	45	45	46	47	53	45	36	37	45	43	43	50	50	41	41	34	34	32	32	23	23	29	43.3
Postville	7	MAX	68	71	80	75	69	69	67	70	77	68	51	55	59	60	62	52	64	72	73	71	76	73	54	57	49	57	64	37	34	43	41	61.9
		MIN	41	51	59	50	44	47	54	50	49	41	41	46	52	52	51	35	39	48	38	38	52	48	39	40	34	35	26	31	24	26	29	42.3
Stanley 3 WSW	7	MAX	69	72	82	76	68	69	66	70	79	67	54	54	59	58	65	52	65	73	74	71	74	74	55	57	49	57	65	37	35	47	38	62.3
		MIN	43	52	60	49	43	48	56	47	48	44	45	46	48	51	44	31	31	42	35	35	50	48	40	40	33	35	30	30	19	26	28	41.2
Tripoli	7	MAX	69	74	86	77	70	68	68	71	80	67	50	54	60	59	64	55	67	74	75	72	76	71	58	61	51	60	64	37	37	46	38	63.2
		MIN	44	53	60	49	47	50	55	49	50	43	43	45	53	52	44	35	35	46	41	41	50	49	41	40	33	35	31	32	25	28	28	42.8
Waterloo Airport	24	MAX	75	83	78	70	68	69	70	80	68	49	54	60	58	64	55	66	73	74	71	75	71	57	60	51	61	63	37	37	47	44	34	62.0
		MIN	54	60	58	46	45	55	51	46	47	44	45	53	48	53	39	32	49	43	34	47	53	44	42	37	35	35	31	20	21	29	25	42.6
WEST CENTRAL DIVISION																																		
Audubon	8	MAX	75	73	81	72	69	65	68	66	77	62	44	62	63	56	60	56	69	69	72	76	74	71	65	61	50	65	59	33	46	54	40	63.0
		MIN	54	54	57	53	49	56	54	46	46	38	36	36	46	47	42	30	39	45	37	37	53	44	42	37	35	38	31	27	23	37	19	41.5
Battle Creek 3 NE	8	MAX	73	73	73	67	68	61	58	71	73	56	48	64	67	60	57	59	71	74	72	76	77	74	68	61	51	67	58	32	48	49	37	62.7
		MIN	55	54	61	47	48	55	52	47	45	37	29	31	42	45	39	29	35	45	35	40	56	36	42	35	35	38	30	22	23	35	16	40.0
Carroll	7	MAX	74	73	83	72	69	67	67	68	79	62	46	65	64	60	64	58	71	73	77	77	77	73	68	62	52	67	59	33	46	55	39	64.5
		MIN	48	55	59	53	52	57	54	52	48	39	37	37	46	47	43	36	35	49	38	38	57	45	44	36	35	41	31	28	27	38	20	42.7
Castana Exp. Farm	8	MAX	72	75	76	66	66	63	60	71	72	56	47	63	67	63	57	59	71	71	73	76	76	71	67	60	51	67	57	34	48	51	38	62.7
		MIN	53	57	62	49	51	55	52	51	46	37	31	32	47	49	37	38	38	46	44	47	58	41	41	36	36	45	29	20	20	38	19	42.1
Denison	7	MAX	71	73	78	69	68	64	64	67	73	56	44	62	64	57	56	55	69	71	73	75	74	70	66	58	49	64	56	32	45	52	37	61.7
		MIN	52	52	58	50	50	54	51	51	46	36	34	34	45	45	43	39	37	45	45	45	53	43	41	36	34	45	29	23	23	32	18	41.6
Guthrie Center	8	MAX	74	73	83	78	70	64	69	65	82	65	44	62	62	57	62	56	70	72	74	76	75	72	65	62	52	66	65	35	45	55	42	64.3
		MIN	53	56	58	53	48	54	56	45	48	39	39	40	47	47	43	32	33	45	36	37	53	47	41	36	35	38	32	29	22	22	19	41.4
Holstein	22	MAX	69	69	73	66	61	59	68	71	57	45	62	66	57	56	56	71	74	71	76	76	71	66	60	50	64	57	34	47	47	43	33	60.5
		MIN	52	56	51	45	54	52	51	50	37	35	31	43	43	45	37	36	42	46	46	53	46	40	44	33	37	34	26	19	32	29	16	40.7
Little Sioux 2 NW	7	MAX	71	75	75	68	69	63	65	73	75	56	49	61	68	67	56	62	74	70	74	78	78	74	68	64	50	70	60	36	46	61	43	64.5
		MIN	55	59	62	50	50	57	54	50	47	39	30	29	45	49	42	33	32	41	37	37	54	37	37	40	32	39	33	16	14	32	18	40.3
Logan	8	MAX	76	79	82	69	70	65	68	71	78	59	48	65	69	64	59	61	73	71	77	79	77	75	68	64	53	69	60	36	49	58	42	65.6
		MIN	55	56	62	51	52	57	54	48	48	39	31	32	48	51	41	33	35	40	40	41	55	39	40	39	35	40	32	20	20	30	20	41.4
Mapleton #2	7	MAX	72	74	72	66	66	63	59	70	72	56	48	64	68	62	56	59	71	72	72	77	77	73	67	60	51	67	57	33	47	49	38	62.5
		MIN	58	53	60	46	51	55	52	48	46	37	28	28	43	44	43	31	31	44	37	38	55	38	39	38	36	42	30	21	20	35	19	40.2
Rockwell City	7	MAX	71	71	81	72	68	61	67	69	76	61	46	61	60	57	58	57	69	72	74	74	75	72	65	61	51	67	59	34	46	50	38	62.7
		MIN	47	55	60	50	51	55	57	51	48	38	37	37	46	45	43	38	39	43	41	44	52	45	42	35	34	41	31	30	28	36	19	42.5

OCTOBER 2017		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW						
STATION	OBS TIME		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	AVG
Sac City	7	MAX	70	67	80	68	69	61	60	67	74	59	44	62	62	55	57	57	69	70	73	74	76	71	65	61	51	66	58	32	47	51	37	61.7
		MIN	45	52	56	51	48	54	52	48	47	37	34	34	43	43	41	36	34	43	37	36	55	42	46	35	33	40	29	27	26	37	19	40.6
Sioux City Airport	24	MAX	74	68	69	67	63	60	73	72	55	50	61	68	63	57	62	75	76	73	76	78	71	69	62	53	70	59	37	50	52	44	37	62.7
		MIN	55	57	48	47	56	54	49	49	41	33	28	40	45	44	37	32	38	43	36	48	41	34	42	36	36	35	26	17	30	27	18	39.4
CENTRAL DIVISION																																		
Ames Airport	24	MAX	72	83	79	72	63	69	68	80	68	47	60	62	58	63	59	69	73	75	75	75	73	67	64	52	66	63	38	45	50	46	36	63.5
		MIN	50	58	59	49	48	61	50	44	45	42	43	48	49	50	39	32	47	46	38	51	52	41	38	38	34	37	32	23	22	33	22	42.6
Ames 8 WSW	16	MAX	72	81	82	68	68	67	67	80	79	64	59	62	61	63	63	68	72	74	74	74	73	71	65	56	64	62	56	44	48	46	36	65.1
		MIN	51	57	67	53	51	60	54	48	49	40	42	49	49	52	43	36	45	46	46	52	59	47	41	36	36	41	32	31	24	36	20	44.9
Ames 5 SE	6	MAX	71	72	84	77	70	63	68	66	80	66	46	60	61	56	62	56	68	73	74	74	75	72	65	62	51	64	62	37	43	48	41	63.5
		MIN	46	49	57	53	47	47	60	50	49	43	41	43	49	51	44	34	33	47	40	38	54	49	42	38	35	35	33	31	24	29	25	42.5
Ankeny	8	MAX	71	74	85	78	67	65	71	68	80	68	47	60	62	59	66	57	69	73	75	76	75	74	67	62	52	66	66	36	43	50	43	64.7
		MIN	52	60	62	54	49	55	65	48	50	43	42	45	49	52	45	36	40	52	44	49	56	49	45	38	38	43	32	31	22	34	23	45.3
Boone	8	MAX	72	72	80	76	71	63	68	63	82	66	46	61	62	57	62	58	69	73	76	75	74	73	67	63	53	66	64	37	46	49	41	64.0
		MIN	48	55	59	52	49	53	59	49	49	41	39	43	48	50	44	33	33	46	41	42	54	47	43	38	36	37	32	31	25	35	21	43.0
Des Moines Airport	24	MAX	76	85	79	67	65	71	70	80	70	49	61	63	61	70	59	69	73	75	76	76	75	67	66	53	68	65	39	46	53	47	36	64.8
		MIN	55	63	61	55	52	65	55	51	49	43	44	51	52	51	44	39	50	52	51	55	52	47	44	38	37	39	34	29	28	34	23	46.5
Des Moines Camp Dodge	24	MAX	74	84	78	71	64	69	67	81	69	47	61	63	57	64	59	71	74	76	76	75	74	69	64	54	68	65	37	47	52	46	35	64.2
		MIN	54	61	59	54	51	62	56	53	46	41	44	50	52	50	43	38	51	51	48	54	50	48	45	38	37	37	32	32	30	33	22	45.9
Eldora	7	MAX	70	71	83	77	69	65	67	67	79	65	45	57	57	57	63	56	67	73	75	74	74	71	63	62	50	63	61	38	44	48	39	62.9
		MIN	44	51	59	51	48	50	56	49	49	42	42	43	47	48	43	35	35	46	39	39	49	48	42	37	32	36	31	30	24	29	22	41.8
Fort Dodge 5 NNW	7	MAX	69	62	78	73	67	61	65	64	76	61	45	58	60	58	58	56	68	71	74	72	74	69	64	60	50	63	60	35	44	47	38	61.3
		MIN	42	54	57	51	49	53	55	48	49	39	38	38	45	46	43	36	34	45	39	40	54	45	44	36	35	40	31	29	23	34	21	41.7
Grinnell 3 SW	7	MAX	69	72	83	77	67	65	68	67	76	70	47	57	57	61	68	56	65	71	72	74	73	73	60	61	51	64	62	37	42	51	42	63.2
		MIN	44	52	63	54	48	49	65	48	47	47	43	45	49	49	45	32	31	48	39	42	47	50	39	39	35	36	34	32	23	31	24	42.9
Grundy Center	8	MAX	67	74	83	80	70	68	68	72	79	67	48	54	59	57	64	56	67	73	75	74	74	71	61	62	50	62	61	37	39	48	39	63.2
		MIN	40	54	61	51	47	48	57	50	48	44	44	45	48	48	44	34	35	48	38	37	53	49	41	39	35	36	31	31	24	29	25	42.4
Iowa Falls	7	MAX	70	69	82	78	71	66	67	66	80	65	46	57	58	59	63	58	68	73	75	74	75	70	66	63	50	63	62	35	42	46	39	63.1
		MIN	45	53	58	51	48	50	56	47	47	42	42	44	48	48	43	33	34	43	38	38	49	48	40	37	34	35	30	31	25	32	24	41.7
Marshalltown	7	MAX	71	73	85	79	71	68	69	71	80	68	48	58	58	57	66	57	67	72	75	76	75	73	62	62	51	64	63	38	42	51	41	64.2
		MIN	46	52	61	53	46	47	59	48	47	45	42	45	51	53	45	33	32	49	38	37	55	49	38	38	35	38	33	32	24	29	26	42.8
Marshalltown Airport	24	MAX	73	85	79	71	68	69	71	80	69	48	59	58	57	66	57	66	72	74	75	74	73	62	63	52	64	63	38	42	50	45	35	63.2
		MIN	51	61	59	50	47	59	52	47	48	44	42	52	50	54	38	33	48	47	39	52	52	43	41	37	33	36	32	22	22	30	21	43.3
Newton	7	MAX	71	73	84	79	67	65	69	70	79	69	47	58	58	63	68	57	67	72	74	76	74	73	61	62	51	64	62	37	42	51	43	64.1
		MIN	46	52	61	55	50	50	64	50	51	46	42	42	49	49	45	39	39	49	46	46	55	49	42	38	37	37	33	32	22	29	26	44.2
Perry	7	MAX	74	74	85	78	71	64	69	64	82	67	46	63	62	57	62	58	70	73	76	76	75	73	67	63	53	67	63	36	45	54	41	64.8
		MIN	50	57	60	52	50	52	57	50	50	40	39	43	48	51	45	34	38	46	38	38	53	48	44	37	37	40	31	31	27	35	22	43.3
Toledo 3 N	7	MAX	71	74	85	78	71	68	68	70	79	69	47	54	58	57	66	56	67	72	74	74	74	73	59	61	51	63	63	38	39	50	41	63.5
		MIN	44	51	60	52	48	48	59	51	49	45	43	43	52	52	44	35	35	48	40	40	51	49	42	39	34	36	33	32	24	27	24	42.9



OCTOBER 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	
Webster City	7	MAX	71	68	81	78	70	61	66	65	80	63	46	59	61	61	58	57	68	72	75	74	75	68	66	63	52	65	63	36	44	47	39	63.0
		MIN	43	54	56	50	45	50	54	45	45	40	38	41	47	48	43	30	32	39	34	34	48	48	40	36	33	36	31	31	22	32	22	40.2
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	MAX	70	72	83	78	71	73	67	71	79	73	54	56	59	64	67	51	66	72	72	73	76	78	54	59	50	58	67	39	36	46	43	63.8
		MIN	41	50	59	57	50	49	58	47	48	48	46	47	53	51	46	35	35	47	45	44	49	50	39	40	35	36	35	34	22	27	30	43.6
Belle Plaine	7	MAX	72	75	86	81	71	70	69	70	80	73	48	55	61	64	69	51	67	74	75	76	75	78	61	61	52	63	65	40	39	53	42	65.0
		MIN	46	52	65	55	47	47	61	45	49	48	45	46	48	47	46	31	31	44	37	36	48	49	38	36	33	37	35	33	19	30	25	42.2
Bellevue Lock & Dam 12	6	MAX	69	70	82	80	72	71	69	73	80	72	60	60	60	66	68	53	66	74	74	71	79	79	56	61	48	58	64	41	40	49	44	64.8
		MIN	40	54	62	60	49	50	58	52	49	49	49	51	55	56	52	39	37	49	45	42	45	56	43	42	37	35	36	36	25	25	33	45.5
Cedar Rapids Airport	24	MAX	74	85	81	72	70	69	71	80	73	52	56	60	64	69	60	66	73	74	72	75	79	57	59	51	61	67	40	37	50	44	37	63.8
		MIN	54	62	61	51	51	60	53	49	50	48	47	54	48	57	37	33	47	47	45	49	57	40	40	36	32	37	34	21	21	31	27	44.5
Cedar Rapids #1	17	MAX	74	85	83	76	72	71	71	81	75	67	55	59	63	64	64	68	74	74	74	75	78	73	58	55	60	67	62	37	48	46	38	66.0
		MIN	49	58	66	55	49	58	59	48	49	47	46	54	50	56	46	33	48	49	39	46	60	49	39	41	34	37	33	33	21	38	29	45.8
Clinton #1	18	MAX	71	83	81	77	74	71	71	78	77	72	58	59	68	63	65	63	70	72	72	78	78	75	58	55	56	66	63	38	47	46	39	65.9
		MIN	48	58	65	58	53	58	63	48	49	54	49	54	53	57	47	37	45	47	43	48	61	51	43	40	32	36	35	34	24	38	30	47.0
Coggon	6	MAX	69	71	84	79	70	70	67	71	78	70	51	55	59	57	66	50	64	72	73	71	74	77	55	58	49	58	68	38	35	45	41	62.7
		MIN	37	50	59	55	47	47	56	46	46	48	45	46	52	52	45	33	32	49	38	37	46	49	36	38	34	34	33	32	19	22	28	41.6
Davenport Airport	24	MAX	72	84	81	72	76	71	73	80	79	60	60	60	71	67	65	66	71	73	74	80	81	69	61	48	58	70	40	37	50	46	40	65.6
		MIN	49	61	67	53	54	62	55	48	48	50	49	53	53	59	37	35	47	49	41	51	63	47	42	37	34	38	35	25	21	35	28	46.0
Iowa City	7	MAX	74	75	86	83	71	72	69	72	80	75	54	56	61	71	69	54	67	75	73	75	77	80	56	61	51	61	69	40	40	52	45	65.9
		MIN	39	51	61	59	50	50	57	45	45	45	48	47	51	49	48	33	33	45	38	38	45	52	40	41	35	37	36	34	20	23	28	42.7
Iowa City Airport	24	MAX	76	88	84	71	73	71	73	81	77	57	58	62	72	71	63	68	74	75	76	78	81	62	61	52	63	69	41	39	51	46	39	66.2
		MIN	51	61	66	55	54	63	53	48	49	51	50	54	53	61	38	36	46	49	44	45	61	44	42	38	34	38	35	26	23	34	30	46.2
Le Claire L & D 14	6	MAX	70	71	82	82	71	79	70	72	78	79	61	61	61	72	68	54	64	68	74	73	78	78	56	61	48	60	74	40	38	49	47	65.8
		MIN	50	52	66	62	57	57	63	56	56	54	50	51	56	56	52	43	42	53	51	48	55	56	48	47	37	38	36	35	29	30	30	48.9
Lowden	24	MAX	74	86	82	73	74	70	73	81	76	59	59	60	72	68	62	67	74	74	75	78	80	62	62	48	60	69	40	38	50	48	40	65.6
		MIN	42	55	66	50	49	58	53	47	46	50	48	54	50	59	36	33	48	48	38	45	61	43	40	37	34	33	35	22	19	35	29	44.0
Maquoketa 4 W	7	MAX	69	73	84	81	72	73	69	72	79	74	57	58	59	67	68	53	64	73	73	73	78	79	54	60	47	56	68	38	36	48	44	64.5
		MIN	39	44	57	57	50	49	57	48	46	46	47	49	52	52	49	35	34	45	42	42	48	52	40	39	33	30	33	34	22	22	30	42.7
Muscatine	6	MAX	71	75	87	81	71	73	71	74	80	77	61	58	62	73	67	53	67	73	74	77	79	80	55	62	49	61	70	40	38	50	46	66.3
		MIN	51	53	63	60	53	53	67	51	50	50	49	49	54	49	49	36	37	47	44	44	49	51	42	42	34	38	36	34	22	24	29	45.5
Vinton	7	MAX	69	72	82	76	70	68	66	69	78	69	48	53	58	55	64	52	65	71	72	70	72	74	55	58	50	59	64	37	38	48	40	62.0
		MIN	40	50	60	51	47	46	56	47	48	45	44	44	51	51	44	31	31	45	37	37	47	47	37	37	31	35	32	31	19	29	26	41.2
Williamsburg 1 E	7	MAX	74	74	86	80	69	69	69	70	80	73	52	55	60	67	68	55	68	73	74	77	75	78	56	60	51	62	65	38	39	53	43	64.9
		MIN	40	52	64	55	51	52	64	48	49	50	46	46	49	50	46	35	34	47	40	40	51	49	39	40	32	38	34	32	20	24	26	43.3
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	MAX	77	76	84	75	70	66	71	70	82	65	46	66	66	59	64	59	71	72	74	77	76	74	69	64	54	69	63	36	49	57	43	65.9
		MIN	54	56	59	52	50	57	56	50	51	39	40	41	48	52	44	31	31	48	39	39	55	45	43	40	38	40	33	29	24	35	20	43.2

OCTOBER 2017		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW						
STATION	OBS TIME		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	AVG
Bedford	7	MAX	76	76	85	75	65	65	72	70	81	67	47	62	67	67	72	58	70	73	74	78	75	73	67	63	53	66	64	37	45	64	45	66.2
		MIN	49	54	57	54	56	56	56	51	50	41	41	43	46	50	44	36	36	46	46	47	48	44	43	40	36	43	33	29	29	29	22	43.7
Clarinda	6	MAX	78	78	86	76	64	69	73	71	83	67	46	64	67	63	71	61	73	73	74	79	77	75	68	64	54	68	65	38	47	66	47	67.3
		MIN	56	61	64	57	53	59	57	49	51	41	40	45	47	55	45	34	34	45	42	42	46	44	40	40	36	39	34	27	25	32	22	43.9
Corning 1 W	7	MAX	75	75	84	73	63	68	71	66	80	64	46	63	65	60	69	57	70	71	72	77	74	73	66	63	52	67	63	35	45	58	45	64.8
		MIN	55	56	61	55	51	57	57	53	51	39	40	40	47	51	44	33	33	45	42	45	52	46	44	41	34	45	32	29	27	35	20	43.9
Glenwood	6	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
Greenfield	8	MAX	73	75	83	75	63	65	70	65	81	65	45	62	62	56	67	57	69	72	73	76	73	71	67	62	51	66	63	33	46	54	43	64.0
		MIN	54	58	61	53	49	56	59	51	48	38	38	41	47	50	42	36	42	45	44	47	53	44	43	35	35	44	31	28	28	35	20	43.7
Oakland	7	MAX	77	77	84	72	69	65	69	68	79	61	45	63	65	57	62	57	72	71	73	77	76	75	67	63	51	65	61	35	46	61	43	64.7
		MIN	53	56	58	51	51	55	54	51	50	37	38	40	47	52	44	37	42	43	47	50	56	45	42	39	37	43	31	23	22	32	21	43.5
Red Oak	7	MAX	77	77	86	77	65	69	73	71	82	65	46	64	68	62	65	60	72	73	74	79	76	75	69	65	54	70	64	38	50	67	45	67.0
		MIN	57	59	61	56	53	58	56	50	52	40	40	44	48	55	46	34	34	43	43	42	57	44	42	42	36	44	34	24	24	35	21	44.3
Shenandoah	8	MAX	80	79	86	75	65	68	73	72	83	66	46	65	69	63	67	59	72	73	74	80	77	78	69	65	55	70	64	39	49	67	46	67.5
		MIN	60	61	62	56	55	58	56	52	51	40	41	43	47	54	46	35	33	45	43	44	58	45	43	41	38	43	33	23	29	34	24	44.9
Sidney 1 SSE	7	MAX	79	81	87	74	65	66	71	71	83	62	44	64	69	62	64	58	72	72	74	80	76	75	68	64	53	71	63	35	48	68	44	66.5
		MIN	55	58	60	53	53	55	54	52	49	38	37	37	46	53	46	42	42	47	44	44	45	43	43	40	38	41	31	21	21	33	25	43.4
SOUTH CENTRAL DIVISION																																		
Albia 3 NNE	7	MAX	70	73	84	79	64	66	70	68	77	71	49	56	58	72	70	58	66	71	72	74	73	76	58	61	53	65	64	37	43	52	46	64.4
		MIN	47	56	63	54	54	57	65	54	50	49	44	45	50	51	46	39	39	51	46	47	55	49	44	40	36	38	34	33	24	33	26	45.8
Allerton	8	MAX	74	76	84	80	63	68	70	66	78	70	48	59	59	77	70	58	68	71	73	75	73	75	60	64	51	65	64	36	43	54	47	65.1
		MIN	48	55	65	57	53	57	63	48	49	47	43	43	49	54	45	38	37	45	46	46	52	48	40	41	34	34	34	31	26	33	24	44.7
Beaconsfield	7	MAX	75	78	86	75	62	67	71	71	78	66	46	60	64	69	72	56	69	72	74	76	74	73	65	65	51	65	63	34	44	54	44	65.1
		MIN	48	56	64	56	54	54	64	51	50	42	41	43	47	51	43	38	38	45	46	47	49	47	42	41	35	38	33	30	29	32	21	44.4
Centerville	7	MAX	74	77	86	82	64	68	71	67	78	73	51	56	59	80	71	58	68	71	73	77	73	77	60	65	53	65	65	37	43	52	47	65.8
		MIN	50	55	66	58	54	58	64	48	46	46	45	45	50	52	47	35	34	48	42	42	48	49	38	40	35	36	35	33	21	25	27	44.3
Chariton 1 E	7	MAX	70	75	83	77	64	67	71	67	77	70	48	57	59	69	73	58	67	71	72	75	73	72	59	65	52	65	63	36	43	53	46	64.4
		MIN	50	53	65	57	50	55	65	46	46	47	43	44	49	50	47	33	32	46	39	38	52	48	39	39	34	37	33	32	21	33	26	43.5
Creston 2 SW	7	MAX	75	75	84	75	65	67	71	66	80	64	44	62	64	60	69	57	69	72	72	76	74	72	65	63	51	65	65	35	45	56	44	64.6
		MIN	48	58	61	55	55	57	63	52	49	39	39	43	46	50	43	36	36	44	47	48	53	46	42	38	38	42	31	31	28	31	19	44.1
Indianola 4 W	7	MAX	74	76	88	78	64	66	71	68	82	70	48	62	63	61	71	58	70	74	76	78	78	76	67	64	53	66	64	37	45	52	43	65.9
		MIN	46	59	64	57	49	58	65	51	51	45	42	46	47	51	46	37	36	48	41	53	55	49	45	39	36	42	33	32	25	34	20	45.2
Knoxville	8	MAX	71	74	84	78	63	65	69	69	78	71	47	58	60	64	69	57	67	71	73	75	73	73	60	63	52	64	63	37	43	52	44	64.1
		MIN	48	56	61	54	53	56	63	53	51	45	42	43	49	49	45	38	40	50	47	49	55	48	45	39	37	39	33	32	25	34	25	45.3
Lamoni	7	MAX	76	79	86	78	64	69	73	69	82	70	48	61	65	73	73	58	71	74	76	78	75	75	65	64	52	67	65	36	45	56	46	66.7
		MIN	52	58	64	58	56	56	66	50	50	45	42	43	49	55	44	40	40	46	47	47	51	49	43	43	36	39	34	32	29	33	24	45.8

OCTOBER 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
Lamoni Airport	24	MAX	77	84	77	65	69	72	68	79	70	50	60	63	72	73	58	68	71	73	76	73	74	64	64	52	67	65	40	46	56	47	36	64.8
		MIN	56	63	60	54	57	65	55	51	49	43	43	46	53	52	44	41	46	48	47	52	51	46	43	38	37	40	33	30	29	33	22	46.0
Mount Ayr	8	MAX	75	76	85	76	64	69	70	70	78	67	46	61	63	69	71	56	68	71	72	75	73	73	64	62	51	66	63	34	43	56	45	64.9
		MIN	52	58	61	55	52	51	57	46	45	41	41	41	48	54	43	31	35	48	41	42	50	45	39	39	33	42	31	30	22	30	19	42.6
Osceola	8	MAX	76	77	86	79	64	69	72	68	79	69	47	61	63	66	72	58	69	73	75	78	74	74	65	65	52	67	64	36	45	54	45	65.9
		MIN	51	57	63	57	57	58	66	49	48	44	42	44	48	52	45	35	35	48	40	40	55	49	43	39	36	39	34	32	21	35	23	44.7
Rathbun Dam	7	MAX	73	75	86	80	63	67	70	68	78	73	49	55	56	76	71	58	68	72	73	77	73	76	60	62	53	65	65	37	43	52	47	65.2
		MIN	48	53	67	55	55	57	64	52	48	48	44	44	50	51	47	38	36	48	44	45	52	49	41	42	35	36	35	33	21	28	26	44.9
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	76	86	82	73	69	70	72	80	83	62	55	61	78	72	65	67	71	73	76	76	80	69	63	51	63	74	42	38	50	50	41	66.7
		MIN	53	65	69	59	62	68	54	50	51	52	50	54	55	63	40	39	44	47	46	52	61	49	45	40	36	41	35	25	24	36	31	48.3
Donnellson	7	MAX	72	76	86	82	67	68	69	69	80	81	63	53	58	76	70	56	66	71	72	78	74	78	55	59	49	61	71	39	37	50	46	65.5
		MIN	45	53	65	60	58	60	66	51	51	49	48	48	52	52	48	38	38	44	46	48	50	52	45	43	38	37	36	35	24	20	32	46.2
Fairfield	8	MAX	70	75	85	81	67	67	69	70	78	73	54	54	59	76	68	55	66	70	72	75	74	79	56	59	52	63	68	39	40	55	47	65.0
		MIN	48	56	66	57	56	58	65	50	50	52	47	47	52	54	48	39	45	48	46	50	54	50	45	41	37	40	36	33	25	28	28	46.8
Fort Madison	24	MAX	73	84	81	71	69	70	70	79	84	61	55	60	76	71	66	66	68	70	74	79	78	70	65	51	63	70	43	38	51	49	45	66.1
		MIN	54	63	67	60	61	66	55	51	54	51	49	53	54	64	43	40	49	51	48	52	59	51	47	42	37	43	36	28	27	37	33	49.2
Keokuk Lock & Dam 19	6	MAX	74	75	85	85	72	71	72	72	79	79	62	55	59	79	75	55	66	70	72	76	73	80	55	64	51	61	74	42	39	53	50	66.9
		MIN	50	53	68	68	61	62	67	54	54	56	50	50	54	54	52	41	41	48	50	50	57	54	47	47	37	37	40	36	27	27	32	49.2
Keosauqua	7	MAX	72	75	85	82	66	67	69	71	79	77	54	55	59	78	71	56	66	71	72	77	75	80	56	59	52	64	70	39	40	55	48	65.8
		MIN	43	54	60	58	57	58	61	49	48	47	47	47	52	52	48	36	37	48	38	44	52	50	44	42	36	39	36	33	22	23	27	44.8
Mount Pleasant 1 SSW	7	MAX	74	74	85	81	67	67	70	69	79	76	62	54	59	77	67	55	66	71	72	76	76	80	55	60	51	62	70	39	37	53	46	65.5
		MIN	42	54	62	59	57	57	65	50	48	48	47	47	50	53	47	35	36	45	43	43	52	50	43	41	34	36	35	33	22	22	29	44.7
Oskaloosa	7	MAX	72	75	88	80	65	67	70	69	78	73	49	57	57	71	69	58	67	72	74	76	75	76	59	63	53	66	65	38	43	52	44	65.2
		MIN	44	53	63	55	52	55	65	54	50	46	44	44	50	51	47	37	38	50	44	44	56	47	43	39	34	36	34	33	22	29	23	44.6
Ottumwa Airport	24	MAX	75	88	82	67	67	71	69	79	74	53	58	58	76	71	58	67	72	74	75	76	80	59	61	53	65	66	40	43	55	47	38	65.1
		MIN	50	64	63	55	54	65	54	52	49	47	46	53	52	58	39	37	46	50	46	52	55	44	41	37	35	40	34	23	21	35	24	45.8
Sigourney	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
Washington	7	MAX	73	75	86	83	69	68	69	69	79	78	54	55	59	76	69	55	67	72	73	75	75	79	56	60	51	64	67	39	39	52	46	65.5
		MIN	41	53	64	58	53	52	65	47	47	47	47	47	52	51	47	33	33	46	40	41	52	50	41	42	34	37	34	33	20	24	29	43.9
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	74	86	83	73	76	72	74	80	82	62	62	61	74	69	67	66	71	74	76	79	81	71	62	50	59	71	42	39	52	48	41	67.0
		MIN	45	62	69	56	54	66	56	49	49	53	51	52	54	61	39	38	47	51	44	51	64	49	45	41	37	39	36	28	23	37	30	47.6
Omaha Eppler AP	24	MAX	81	84	77	71	67	72	73	78	62	48	63	68	59	60	62	74	72	78	78	78	76	69	66	56	70	63	38	50	68	49	38	66.1
		MIN	58	62	57	52	57	57	55	52	42	40	36	48	54	49	41	39	46	47	42	56	51	42	46	40	40	38	27	20	31	32	23	44.5
Sioux Falls WFO AP	24	MAX	75	62	66	65	61	59	73	70	52	56	62	69	62	56	60	75	78	74	75	77	73	68	58	53	67	56	37	50	51	39	39	61.9
		MIN	58	56	46	39	55	53	52	49	33	28	26	46	38	43	34	31	36	41	36	56	43	36	44	35	45	33	24	13	38	23	14	38.8

OCTOBER 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
NORTHWEST DIVISION																																	
Akron	7	4.72	0.74	0.59	1.00	0.08	0.02	0.05	1.98	0.02		0.11					0.09							0.04	T							T	
Cherokee	8	3.90	0.03	0.49	0.56	0.05	T	0.10	1.86	0.22		0.34	0.03		T	0.04	0.05					0.01	0.12		T			T	T		T	T	
Emmetsburg	8	3.71	0.04	0.85	0.15	0.03		0.08	1.83	0.03		0.10	T				0.05					0.39	0.08		T			T	I		0.08		
Estherville Airport	24	4.23	0.47	1.00	0.12		0.11	1.12	0.59		T	0.03			T	0.03	0.01					0.62		T				T		0.12	0.01		
Estherville 4 E	7	4.32	0.08	0.62	0.92		0.02	0.10	1.45	0.26		T					0.07					0.60	0.10		T			T	T		0.10	T	
Everly 3 WNW	7	3.29	T	0.58	0.74	T		0.16	1.59	0.04		0.04	T				T					0.04	0.05		T			T	T		0.05	T	
Hawarden	7	5.50	1.24	0.48	1.50			0.18	1.88			0.11		T			0.09					0.02											
Le Mars	7	5.44	T	0.67	0.89			0.21	3.22	0.02		0.30					0.10						0.03						I	I		I	
Orange City	7	5.39	0.03	0.86	1.01	T		0.14	3.15	0.06		0.05	T			0.01	0.05					0.01			T			T	T		0.02	T	
Pocahontas	8	6.34	0.04	1.27	0.02	0.03		0.24	2.70	0.11		0.40	0.01			0.15	0.02					1.22	0.02					0.01	T		0.10		
Primghar	16	4.95	0.30	0.28	1.88		0.19	1.80	0.30			0.06			0.01	0.10						0.02						I	I	0.01			
Remsen #2	7	6.41		0.79	1.84			0.21	2.79	0.07		0.18				T	0.09						0.41		T			I	I	T	0.03		
Rock Rapids	8	4.84	0.30	0.42	2.22			0.04	1.67			0.06					0.03					0.03	0.03					T				0.04	
Rock Valley	7	5.47	0.33	0.62	2.27	0.07		0.13	1.82	0.01		0.03				0.02	0.03					0.06	0.05					T	T		0.03		
Sanborn	8	5.65	0.25	0.55	1.30			0.28	3.08			T					0.03					0.05	0.06					I	I		0.05		
Sheldon	7	5.10	0.09	0.72	1.57	0.01	0.01	0.23	2.18	0.03		0.08	T			T	0.01					0.03	0.05					0.02	0.01	T	0.06		
Sibley	7	5.79	0.13	0.67	2.62	0.08		0.11	1.82	0.04		0.06				0.03	0.04					0.02	0.05					0.01	I		0.11		
Sioux Center 2 SE	16	4.31	0.55	0.45	1.46		0.08	1.23	0.37			T	0.09			T	0.05					0.02			T			T		0.01			
Sioux Rapids 4 E	22	4.28	0.51	0.54	0.04		0.10	1.69	0.62		0.16	0.05			0.06	0.08						0.35			T			T	T	0.08	T		
Spencer Airport	24	3.45	0.50	0.67	0.11		0.09	1.39	0.40		0.08	0.01			T	0.03						0.09			T			T	T	0.08	T		
Spencer 1 N	24	4.00	0.89	0.65	0.09		0.16	1.27	0.62		0.09	0.01				0.04						0.11			T			T		0.07	T		
Spirit Lake 4 W	24	4.17	0.55	1.10	0.15		0.15	1.45	0.26		0.05	0.07			T	0.05						0.20			T			I		0.12	0.02		
Storm Lake	8	4.44	0.03	0.66	0.06		T	0.18	1.99	0.71		0.29	0.07	T		0.04	0.01					0.34	0.03					T	I		0.03		
Washta	7	4.00		0.53	0.37	0.04	T	0.32	2.09	0.23		0.34				0.05	0.03					T						I					
NORTH CENTRAL DIVISION																																	
Algona 3 W	7	5.46	0.01	1.01	0.03	0.03		0.22	2.07	0.37		0.33	0.13			0.33	0.04					0.43	0.35					I	0.01		0.10	I	
Allison	7	3.91		T	0.35	0.10		0.03	1.60	0.45			0.50	0.03			0.31						0.50							0.01		0.03	
Britt	7	5.47		0.89	T	0.05		0.13	2.36	0.32		0.24	0.37			0.17	0.07					0.40	0.32					T	0.03		0.12		
Charles City	7	4.93		0.17	0.23	0.06		0.06	1.74	0.56		0.04	0.44	0.04		0.04	0.38					0.06	1.03		T			T	0.03		0.05	T	
Clarion	7	M		0.51	0.05	0.15		0.10	M	M		0.10	M			M	M					M	M						I	I		0.08	
Dakota City	8	5.46	T	0.73	0.05	0.04		0.13	2.73	0.08		0.18	0.31			0.04	0.10					0.73	0.24					T	T		0.10	T	
Forest City 2 NNE	7	5.48		0.85	T	0.12		0.19	2.64	0.18		0.37	0.30			0.21	0.01		T			0.08	0.45					T	0.01		0.07		
Hampton	7	6.55		0.15	0.27	0.10		0.02	3.68	0.84		0.02	0.50			0.01	0.23					0.06	0.56							0.03		0.08	
Kanawha	8	5.32		0.70		0.04		0.14	2.21	0.42		0.25	0.66				0.17					0.15	0.48					I	0.02		0.08	I	
Lake Mills	7	5.05		0.77	0.12	0.14		0.28	2.15	0.11		0.20	0.28			0.14	0.06					0.17	0.41						0.01	0.10		0.11	
Mason City	7	6.30		0.63	0.04	0.28		0.07	2.36	1.16		0.21	0.54	0.02	T	0.01	0.23					0.08	0.48	0.01	0.02				I	0.06		0.10	I
Mason City Airport	24	4.89	0.21	0.32	0.04		0.02	1.24	1.19		0.10	0.45			0.38	0.19	T					0.67			T			T	0.01		0.07	T	
Nashua 2 SW	7	4.87		0.05	0.22	0.11		0.07	2.40	0.48		T	0.50	T		T	0.26					T	0.67		T					0.04		0.07	T
Northwood	7	6.49		0.73	0.01	0.06	T	1.22	2.04	0.32		0.38	0.35	0.02		0.21	0.07					0.38	0.54	T	T				T	0.07		0.09	I
Osage	7	6.87		0.43	0.03	0.26		0.47	2.39	1.18		0.05	0.65	0.02		0.20	0.48					0.20	0.40							0.05		0.06	
Saint Ansgar	6	7.26		0.66	0.08	0.26		1.46	1.91	0.72		0.18	0.40	T		0.54	0.22					0.05	0.65		T				0.05		0.08		
Swea City 4 W	7	3.38	T	0.73	0.12	T	T	0.13	1.51	0.19		0.06	T			0.03	0.01					0.31	0.18		T				T	T		0.11	T
NORTHEAST DIVISION																																	
Cascade	7	6.56				0.73	T		1.44	0.05			2.32	0.06		0.63	1.02						0.23	0.01	0.01					0.03		0.03	
Cresco 1 NE	7	7.46		0.05	0.10	0.17		0.83	2.50	0.73		0.11	0.80		0.01	0.10	0.37	0.01					1.58		0.01					0.05		0.04	T
Decorah	16	5.92		0.20	0.01	0.39		0.60	2.00	0.14		0.20	0.96	0.02	T	0.15	0.06					0.03	0.99	0.01					0.01	0.02	0.01	0.12	
Dubuque Lock & Dam 11	6	6.27				0.88	0.05		1.53	0.15			1.44	0.02		1.14	0.86						0.10	0.05	0.03					I		0.02	
Dubuque Airport	24	6.19	T		0.59	0.41	T	1.33	0.05			1.55	0.13		1.12	0.86						T	0.08	0.03	0.01				0.01		0.02	T	
Elkader 6 SSW	7	4.15		T			0.33	0.08	0.77	0.22			0.98	0.03	0.02	0.09	0.97						0.57	T	0.04	T			T	0.02	T	0.03	T
Fayette	7	6.71		T	0.04	0.13		0.07	2.43	0.41		T	1.48	0.03	T	0.05	0.66						1.27		0.05					0.03		0.06	T
Guttenberg L & D 10	6	4.70				0.75		0.27	0.53	0.32			1.76			0.12	0.35						0.51	0.01	0.07					I			

OCTOBER 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	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Strawberry Point	7	4.71				0.59		0.15	0.76	0.25			1.02	0.03	0.02	0.16	0.93							0.70	0.02	0.05			T	T		0.03	T
Tripoli	7	5.85			T	0.19	0.29		0.02	2.04	1.13		0.02	0.02		T	0.02	0.29						T	1.17	0.02	0.02				0.02		0.08
Waterloo Airport	24	5.55		0.04	0.18			T	1.49	0.85			T	0.69										0.95	0.09	0.03				0.01		0.07	T
WEST CENTRAL DIVISION																																	
Audubon	8	5.87	T	0.88	0.05	0.09		0.46	1.69	0.56		0.48	0.17			0.14	0.40							0.22	0.73					T		T	T
Battle Creek 3 NE	8	4.69	0.10	0.50	0.26	0.07		0.37	2.34	0.32		0.71	T			T	0.08							T	T					T		T	
Carroll	7	4.38	0.01	0.71	0.06	0.02		0.13	2.40	0.06		0.36	0.07			0.13	0.06							0.26	0.11					T		T	
Castana Exp. Farm	8	5.14	0.14	0.35	0.27	0.08		0.44	2.00	0.85		0.71	0.01				0.05							0.24			T						
Denison	7	6.45	0.04	0.90	0.17	0.09	T	0.19	3.36	0.38		0.60	0.02			0.09	0.05							0.45	0.11					T			
Guthrie Center	8	5.51		0.80				0.45	1.28	0.65		0.58	0.40			0.20	0.53							0.11	0.51							T	
Holly Springs 1 NW	7	4.52		0.65	0.57	0.06		0.37	1.75	0.52		0.48				0.06	0.06												T			T	
Holstein	7	4.56	0.08	0.62	0.33	0.08	0.04	0.22	2.19	0.30		0.53	0.03			T	0.07							0.07					T				
Little Sioux 2 NW	7	4.77	0.10	1.03	0.57	0.08		0.25	0.80	1.04		0.57	0.08			0.09	0.06						0.10	T		T			T	T		T	
Logan	8	6.59		0.73	0.32	0.06		0.29	3.79	0.40		0.75				0.09	0.03						0.02	0.11					T				
Mapleton #2	7	5.14	0.05	0.56	0.27	0.05		0.21	2.28	1.07		0.64				T	T						0.01									T	
Rockwell City	7	5.06	0.04	0.85	0.03			0.27	2.30	0.33		0.30	0.07			0.06	0.02						0.65	0.10		T						0.04	
Sac City	7	5.57	0.20	0.80	0.03	0.11		0.17	2.20	0.55		0.40	0.10			0.05							0.70	0.20					T			0.06	
Sioux City Airport	24	6.83	0.43	1.50	0.30		0.37	2.85	0.73		0.29	0.05			0.01	T							0.28			T		T	T		0.02	T	T
CENTRAL DIVISION																																	
Ames Airport	24	6.48	T	0.50	0.15	0.02	0.09	1.96	1.00		T	0.50			0.63	1.09							0.43			T				T	0.11		
Ames 8 WSW	16	6.06	0.02	0.50		0.28	0.01	0.63	2.65			0.75			0.26	0.66	0.08							0.11					T	T	0.01	0.10	
Ames 5 SE	6	4.88			0.17			0.30	1.20	0.29		0.01	0.50			0.26	1.30						T	0.63		T				T		0.05	
Ankeny	8	6.19		0.03		0.48	T	0.36	2.91	0.10		T	0.22	T		0.07	1.12						T	0.90					T			T	
Boone	8	7.32		0.63	0.05	0.28	T	0.42	2.34	0.78		0.07	1.12			0.51	0.43						0.38	0.23		T				T	0.08		
Brooklyn	7	3.42				0.36			0.60	0.03			0.83			0.05	0.70							0.75						0.03		0.07	
Clutier	7	5.76		T		0.42		T	0.97	0.18			1.48	0.02	0.03	0.12	1.11							1.31		0.02					T	0.10	
Des Moines Airport	24	4.50	T	0.04	0.10	0.09	0.09	1.47	0.32			0.17				T	1.23						0.96	T	T	0.01		T	T		0.02	T	
Des Moines Camp Dodge	24	4.73	T	0.03	0.21	0.04	0.07	1.54	0.42			0.70				T	1.35						0.35		T				T		0.02	T	
Eldora	7	5.79		0.01	0.15	0.46		0.67	2.20	0.71			0.46			0.16	0.49							0.36		0.02				0.01		0.09	
Fort Dodge 5 NNW	7	6.85		0.75	T	T	T	0.15	3.40	0.70		0.10	0.60	T		0.10	0.10						0.20	0.65		T			T	T	0.10	T	
Gilman	7	6.35				0.45		0.25	1.10	0.10			1.20	0.05		1.45								1.70						T		0.05	
Grinnell 3 SW	7	5.45		T		0.64		0.18	0.82	0.13			0.84	0.07		0.33	0.79							1.59		T				T		0.06	
Grundy Center	8	7.37			0.03	0.93		0.32	2.10	0.80			0.49	0.03	T	0.35	1.20							0.99		0.02				T	0.11	T	
Iowa Falls	7	5.25		0.27	0.23	0.11		0.12	2.03	1.06		T	0.50	T		0.04	0.35						T	0.40		T			T	0.06	0.08	T	
Marshalltown	7	5.06				0.02	0.17	0.22	1.07	0.20			0.95	0.02		0.35	0.95							1.05						T		0.06	
Marshalltown Airport	24	5.91	T	T	0.10	0.02	0.08	0.86	0.64			0.70	0.02		1.06	0.98							1.32	0.03	0.01	T		T	T		0.09	T	T
Montezuma 1 W	7	3.49		0.03		0.66		0.05	0.58	0.04			0.76	0.04		T	0.73							0.60								T	
Newton	7	5.29				0.41		0.14	0.91	0.05			1.33			0.08	1.00							1.32								0.05	
Perry	7	5.32		0.41	0.03	0.19	0.01	0.28	1.51	0.62		0.10	1.10			0.20	0.49						0.17	0.19					T		0.02		
Toledo 3 N	7	7.82		T		0.54		0.02	1.56	0.22			1.34	0.02		0.07	1.29							2.67		T				T		0.09	
Webster City	7	6.06		0.50	0.05	0.10		0.26	2.15	1.22		0.02	0.85			0.05	0.15						0.05	0.60					T		0.06		
Zearing	7	5.18		0.12		0.43		0.24	1.57	0.29			0.38			0.66	0.73							0.67						T		0.09	
EAST CENTRAL DIVISION																																	
Anamosa 3 SSW	6	3.72				0.28	0.02	0.01	0.41	0.09			1.48	0.04	0.01	0.02	0.88							0.41	0.01	0.02				0.02	T	0.02	T
Belle Plaine	7	3.84			T	0.20		0.02	0.72	0.07			0.80	T		0.43	0.70							0.80						T		0.10	
Bellevue Lock & Dam 12	6	3.93				0.19	0.01	0.23	0.02				1.41	0.01		0.45	1.25							0.08	0.10	0.07	0.08					0.03	
Cedar Rapids Airport	24	3.90	T		0.53	0.27	T	0.29	0.21			1.28	0.01	0.01	0.02	0.80	0.01						0.23	0.19	0.01				T	T	0.04	T	
Cedar Rapids #1	17	4.29	T			T	0.51	0.21	1.06	0.02		0.78	0.24	0.05		0.86	T						T	0.46	0.02				T	0.02	0.02	0.04	
Clinton #1	18	4.27						0.25	0.08			0.17	1.40	0.08		1.74	0.05							0.32	T	0.16						0.02	T
Coggon	6	6.78		0.01		0.70		0.02	1.05	0.18			1.94	0.05	T	1.01	1.10							0.61		0.02				0.02		0.07	
Davenport Airport	24	4.30				0.04	0.05	0.31	0.04			1.45	T	T	T	1.99	T							0.40	T	0.02	T		T	T	T	T	
De Witt	8	2.75				0.05		0.13	0.19	0.04			0.95	0.06		0.15	0.84							0.21	0.09	0.02	0.02					T	
Iowa City	7	3.51				0.15		0.01	0.31	0.06			1.25	0.02		0.02	1.06							0.57	0.03					0.01		0.02	
Iowa City Airport	24	3.73	T		0.03	0.19	T	0.29	0.11			1.11		T	T	1.29	0.01						0.34	0.33	T	T			0.01		0.02	T	
Le Claire L & D 14	6	5.65				T	T	0.06	0.35	0.04			1.75	0.05		0.60	2.18							0.30	0.20	0.02	0.06			0.02			

OCTOBER 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	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Muscatine	6	4.70				0.03	0.03	0.04	0.52	0.07			1.00	0.03	0.01	0.43	2.23	0.02						0.24	0.03	0.01						0.01	
Muscatine 2 N	7	3.89				0.06	0.04	0.14	0.41	0.05			0.92	0.02	T	0.41	1.52	0.01						0.24	0.04	T				T		0.03	T
Swisher	7	3.99				0.90	T		0.21	T			1.29	0.03	T	0.12	0.78							0.57	0.01	0.01			I	I		0.07	
Vinton	7	5.63				0.14		0.11	1.25	0.21			1.48	0.02		0.24	1.19							0.88		0.03				I		0.08	
Williamsburg 1 E	7	4.18				1.74		0.01	0.41	0.03			0.61	0.02			0.75							0.53		0.02						0.06	
SOUTHWEST DIVISION																																	
Atlantic 1 NE	7	4.91		0.59	0.06	0.15		0.71	1.10	0.37		0.57	0.17			0.09	0.90						0.09	0.11						T			
Bedford	7	7.22	T	0.07	T	0.38	0.02	3.70	0.90	0.12		0.37	0.13	T		0.10	0.90						T	0.53		T							
Clarinda	6	8.84		0.03	T	0.44	0.01	3.86	1.70	0.10		0.10	0.46			0.08	1.88							0.18								T	
Corning 1 W	7	7.39		0.05	0.04	0.10		2.67	1.88	0.22		0.71	0.27			0.27	0.99							0.04	0.15								
Glenwood	6	7.13	0.03	0.71	0.05	0.02	T	2.83	1.52	0.24		0.67	0.08			0.09	0.46							0.41	0.02								
Greenfield	8	6.90		0.23	0.09	0.32	T	0.72	3.43	0.15		0.60	0.13			0.08	0.84						T	0.31								T	
Hastings 4 NE	8	6.78		0.78	0.02	0.03	0.02	1.76	2.15	0.15		0.76				0.55	0.23							0.21	0.12								
Massena	7	6.57		0.43	0.26	0.26	T	0.67	1.85	0.49		0.76	0.33			0.06	0.85							0.02	0.59								
Oakland	7	5.68	T	0.56	0.13	0.29	T	0.65	1.91	0.62		0.62				0.11	0.34							0.45	T					T		T	
Randolph	8	6.76		0.30		0.22		2.97	1.72	0.01		0.58	0.05			0.11	0.60							0.17	0.03							T	
Red Oak	7	7.50	T	0.30	0.30	0.44	0.02	3.39	1.36	0.15		0.31	0.14			0.16	0.75							0.02	0.16							T	
Shenandoah	8	7.74		0.34	0.04	0.12	0.04	3.40	1.54	0.12		0.35				0.59	1.08							0.12									
Sidney 1 SSE	7	6.49	T	0.19	0.03	0.13	0.04	2.93	1.32	0.05		0.56	0.02			0.91	0.14							0.17	T								
Underwood	7	6.22	0.22	1.55	0.07	T		0.58	1.97	0.29		0.77	T			0.15	0.14							0.35	0.13							T	
SOUTH CENTRAL DIVISION																																	
Albia 3 NNE	7	4.68				1.05		0.33	0.41	0.01			0.59			0.03	1.48							0.74	0.01							0.03	
Allerton	8	4.57				0.13	0.24	1.01	0.58	0.03			0.33			0.15	0.85							1.25						T			
Beaconsfield	7	4.99				0.84		1.55	0.50				0.18			0.07	0.60							1.25									
Centerville	7	3.99				0.10	0.04	0.75	0.72	0.03			0.87			0.02	0.51							0.91	0.04								
Chariton 1 E	7	6.04				0.87	0.03	1.30	0.55	0.08			0.38			T	1.23							1.60									
Creston 2 SW	7	4.77		0.10		0.24	0.04	0.96	0.88	0.07		0.13	0.48			0.06	1.36							0.45									
Indianola 4 W	7	4.22		T	T	0.52	T	0.86	0.83	0.06			0.12			T	0.71							1.10								0.02	
Knoxville	8	4.52				1.11		0.23	0.44	0.02			0.68	0.02			0.60							1.38								0.04	
Lamoni	7	7.91		0.03		0.28	0.03	3.35	0.65	0.02			0.56		T	0.14	1.33							1.52									
Lamoni Airport	24	6.59	0.03		0.07	0.18	2.77	0.17	0.41		T	0.55			0.08	0.86							1.35	0.11	T					0.01			
Lorimer	8	5.66		0.32		0.35		0.79	0.76	0.08			0.76				1.43							1.17									
Mount Ayr	8	7.42		0.15		0.51	0.04	4.23	0.45	0.02		0.05	0.04	T	T	0.30	0.45	T					0.03	1.13		0.02							
Osceola	8	6.71				2.39		1.18	0.79	0.05			0.09			0.12	0.81							1.28		T							
Pella 1 S	7	3.09		0.02		0.70		0.11	0.38				0.29			0.02	0.60							0.93								0.04	
Rathbun Dam	7	3.96				0.05	0.07	0.91	0.52	0.01		T	0.48			0.03	0.78							1.08	0.03								
Winterset 1 S	7	3.91				0.11		0.58	1.33	0.07			0.53			0.04	0.74							0.51									
SOUTHEAST DIVISION																																	
Bloomfield 1 WNW	7	3.72				0.01		0.44	0.41	0.01			0.40	T		0.04	1.06							1.31	0.04							T	
Brighton	7	6.73				0.91		0.09	0.27	0.02			1.32	0.05		1.11	1.96							0.94	0.03	T						0.03	
Burlington Airport	24	5.02				0.09	0.03	0.50	0.05			1.83	0.01			1.98	0.01							0.50	0.01	0.01					T		
Donnellson	7	4.55				0.06	0.06	0.22	0.23	0.08			1.22	0.03	T		1.81							0.80	0.03	T					T	0.01	
Fairfield	8	4.64	T			0.32	T	0.15	0.52	0.06		T	0.90	0.04	T	0.08	1.30							1.23	T					T		0.04	
Fort Madison	24	5.87				0.05	0.11	0.41	0.06			1.86	T	0.02		2.79	0.12							0.45	T					T			
Keokuk Lock & Dam 19	6	4.63	0.01					0.67	0.18	0.05			1.05	0.03			2.00							0.54	0.08	0.02							
Keosauqua	7	5.85				T	0.03	0.21	1.08	0.10			1.60	T		0.03	1.40							1.39	0.01							T	
Mount Pleasant 1 SSW	7	3.10				0.10		0.15	0.30	0.05			0.05	0.05		0.05	1.60							0.70	0.05							T	
Oskaloosa	7	3.89				1.34	0.01	0.04	0.81	0.01			0.37	0.01		T	0.59							0.68	0.01							0.02	
Ottumwa Airport	24	4.43	T		0.05	1.02	0.13	0.31	0.29		0.28			0.37	1.20	T							0.41	0.36	T	T			T	0.01			
Ottumwa 5 W	7	4.31				0.34	0.08	0.28	0.43	0.04			0.30	0.02		0.77	1.13							0.90	0.02	T				T		T	
Salem 1 S	7	5.24				0.01		0.20	0.66	0.05			1.59	0.02			1.87							0.81	0.03							T	
Sigourney	7	4.64				1.05		T	0.74	T			0.56	0.02		T	1.31							0.94	0.02							T	
Washington	7	5.99	T			0.31	0.04	0.02	0.42	0.05			1.65	0.04	0.02	0.55	1.75							1.05	0.04	0.01				T		0.04	
SUPPLEMENTAL STATIONS																																	
Moline Airport	24	6.11				0.04	0.02	0.28	0.02			1.77	T		0.23	3.38								0.33	T	0.04					T		

OCTOBER 2017				DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																										IOWA CLIMATE REVIEW						
STATION	OBS TIME		TOTAL	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																																				
Cherokee	8	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Emmetsburg	8	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Estherville 4 E	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Everly 3 WNW	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Le Mars	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Orange City	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Pocahontas	8	SNOWFALL	0.1																																	
		SNOW ON GROUND																																		
Primghar	16	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Remsen #2	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Rock Rapids	8	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Rock Valley	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Sanborn	8	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Sheldon	7	SNOWFALL	0.2																																	
		SNOW ON GROUND																																		
Sibley	7	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Sioux Center 2 SE	16	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Sioux Rapids 4 E	22	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Spencer 1 N	24	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Spirit Lake 4 W	24	SNOWFALL	T																																	
		SNOW ON GROUND																																		
Storm Lake	8	SNOWFALL	T																																	
		SNOW ON GROUND																																		



OCTOBER 2017			DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																												IOWA CLIMATE REVIEW					
STATION	OBS TIME	TOTAL	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			
Washta	7	SNOWFALL SNOW ON GROUND																												I						
NORTH CENTRAL DIVISION																																				
Algona 3 W	7	SNOWFALL SNOW ON GROUND																												T	T		T			
Allison	7	SNOWFALL SNOW ON GROUND																												T						
Britt	7	SNOWFALL SNOW ON GROUND																												T	I					
Charles City	7	SNOWFALL SNOW ON GROUND																												T			T			
Clarion	7	SNOWFALL SNOW ON GROUND																												I	I					
Dakota City	8	SNOWFALL SNOW ON GROUND																												T	T		T			
Forest City 2 NNE	7	SNOWFALL SNOW ON GROUND																												T	T					
Hampton	7	SNOWFALL SNOW ON GROUND																													I					
Kanawha	8	SNOWFALL SNOW ON GROUND																												I	I		I			
Lake Mills	7	SNOWFALL SNOW ON GROUND																												T	T					
Mason City	7	SNOWFALL SNOW ON GROUND																												I	I		I			
Mason City Airport	24	SNOWFALL 0.2 SNOW ON GROUND																												0.2			T			
Nashua 2 SW	7	SNOWFALL SNOW ON GROUND																													T		T			
Northwood	7	SNOWFALL SNOW ON GROUND																												T	T		T			
Osage	7	SNOWFALL 0.2 SNOW ON GROUND																													I					
Saint Ansgar	6	SNOWFALL SNOW ON GROUND																													I					
Swea City 4 W	7	SNOWFALL SNOW ON GROUND																												T	T		T			
NORTHEAST DIVISION																																				
Cascade	7	SNOWFALL SNOW ON GROUND																													T					





OCTOBER 2017			DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																												IOWA CLIMATE REVIEW					
STATION	OBS TIME		TOTAL	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		
Holly Springs 1 NW	7	SNOWFALL	T																												T					
		SNOW ON GROUND																																		
Holstein	7	SNOWFALL	T																												T					
		SNOW ON GROUND																																		
Little Sioux 2 NW	7	SNOWFALL	T																												T	T			T	
		SNOW ON GROUND																																		
Logan	8	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Sac City	7	SNOWFALL	T																												T					
		SNOW ON GROUND																													T					
Sioux City Airport	24	SNOWFALL	T																												T			T	T	
		SNOW ON GROUND																													T					
CENTRAL DIVISION																																				
Ames 8 WSW	16	SNOWFALL	T																												I	I				
		SNOW ON GROUND																																		
Ames 5 SE	6	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Boone	8	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Clutier	7	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Des Moines Airport	24	SNOWFALL	T																												T			T		
		SNOW ON GROUND																																		
Des Moines Camp Dodge	24	SNOWFALL	T																												T			T		
		SNOW ON GROUND																																		
Eldora	7	SNOWFALL	T																													T		T		
		SNOW ON GROUND																																		
Fort Dodge 5 NNW	7	SNOWFALL	T																												T	T			T	
		SNOW ON GROUND																																		
Gilman	7	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Grinnell 3 SW	7	SNOWFALL	T																													T				
		SNOW ON GROUND																																		
Grundy Center	8	SNOWFALL	T																													T			T	
		SNOW ON GROUND																																		
Iowa Falls	7	SNOWFALL	T																												T	T			T	
		SNOW ON GROUND																																		
Marshalltown	7	SNOWFALL	T																													I				
		SNOW ON GROUND																																		

OCTOBER 2017			DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																												IOWA CLIMATE REVIEW				
STATION	OBS TIME	TOTAL	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		
Perry	7	SNOWFALL SNOW ON GROUND																													T				
Toledo 3 N	7	SNOWFALL SNOW ON GROUND																													T		T		
Webster City	7	SNOWFALL SNOW ON GROUND																													I				
Zearing	7	SNOWFALL SNOW ON GROUND																													I				
EAST CENTRAL DIVISION																																			
Anamosa 3 SSW	6	SNOWFALL SNOW ON GROUND																													T	T			
Cedar Rapids #1	17	SNOWFALL SNOW ON GROUND																												T	T				
Coggon	6	SNOWFALL SNOW ON GROUND																													T				
Davenport Airport	24	SNOWFALL SNOW ON GROUND																													T	T		T	
Lowden	24	SNOWFALL SNOW ON GROUND																													T	T		T	
Monticello	7	SNOWFALL SNOW ON GROUND																													I				
Muscatine 2 N	7	SNOWFALL SNOW ON GROUND																																T	
Swisher	7	SNOWFALL SNOW ON GROUND																													I	I			
Vinton	7	SNOWFALL SNOW ON GROUND																													I				
SOUTHWEST DIVISION																																			
Atlantic 1 NE	7	SNOWFALL SNOW ON GROUND																														T			
Oakland	7	SNOWFALL SNOW ON GROUND																														T			
SOUTH CENTRAL DIVISION																																			
Allerton	8	SNOWFALL SNOW ON GROUND																														T			
SOUTHEAST DIVISION																																			
Fairfield	8	SNOWFALL SNOW ON GROUND																														T			
SUPPLEMENTAL STATIONS																																			
Sioux Falls WFO AP	24	SNOWFALL SNOW ON GROUND																																T	
																																		T	



OCTOBER 2017	STATION INDEX						IOWA CLIMATE REVIEW				OCTOBER 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												

OCTOBER 2017	STATION INDEX			IOWA CLIMATE			REVIEW		OCTOBER 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	
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	965
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	Washington	SE	Washington	41	16	57	91	42	28	687
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830	Washta	NW	Cherokee	42	34	25	95	43	5	1160
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.

