

Iowa Department of Agriculture & Land Stewardship  
MIKE NAIG, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

# IOWA CLIMATE REVIEW

VOLUME 31, NUMBER 12  
DECEMBER 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 – DECEMBER 2017

General Summary. Temperatures averaged 24.1° or 1.2° above normal while precipitation averaged 0.42 inches or 0.92 inches less than normal. This ranks as the 61<sup>st</sup> warmest and 12<sup>th</sup> driest December among 145 years of records. A drier December was last recorded in 2002. Windy conditions were frequent early in the month with gusts over 50 mph recorded on the 4<sup>th</sup>, 5<sup>th</sup>, 11<sup>th</sup> and 13<sup>th</sup>. Estherville Airport reported the highest winds with a gust to 63 mph on the 13<sup>th</sup>.

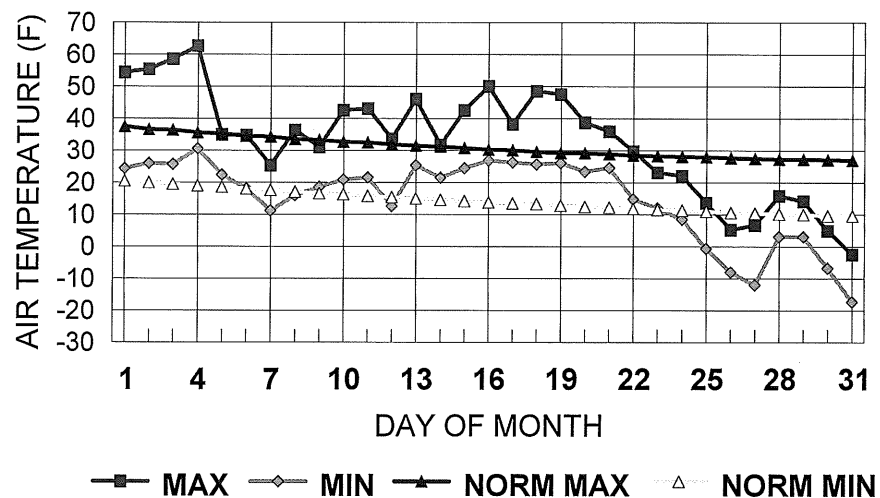
Temperatures. The first three weeks of December were mostly much warmer than usual, averaging 7.7° above normal. However, a turn toward much colder weather began on the 22<sup>nd</sup> and intensified on Christmas Day with temperatures over the final ten days of the month averaging 14.4° lower than normal. Each of the first four days of the month averaged more than ten degrees above normal, as did the 13<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 18<sup>th</sup> and 19<sup>th</sup>. The warmest day was the 4<sup>th</sup> when temperatures averaged 20.1° above normal with Indianola and Lamoni reaching 70°. This was only the twelfth date on record for temperatures to reach the 70 degree threshold in Iowa in December (last occurrence was Dec. 3, 2012). The season's first zero degree temperatures were recorded on the morning of the 7<sup>th</sup> at Primghar and Sibley. Meanwhile temperatures averaged twenty degrees or more below normal on the 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> with New Years' Eve averaging 30.3° below normal. Sioux City Airport recorded the lowest temperature of the month with a -24° reading at midnight New Year's Eve. Meanwhile subzero daily maximum temperatures were recorded somewhere in Iowa locations on six of the final seven days of the month. Northwood reported the lowest maximum temperature of the month with a minus 14° 'high' on the 31<sup>st</sup>. The lowest wind chill reading was -46° recorded at 9 p.m. on the 31<sup>st</sup> at Storm Lake.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 3% less than last year and normal. Heating requirements thus far this season (since July 1) are running 13% more than last year at this time and 7% less normal.

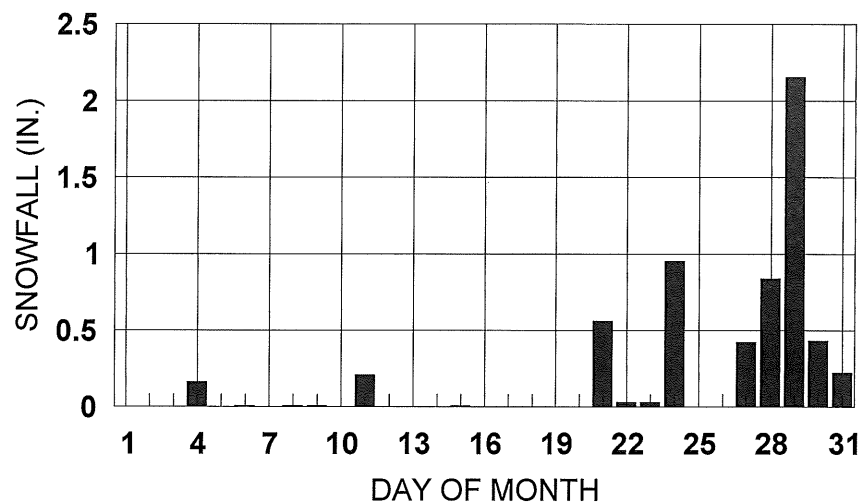
Precipitation. The very dry weather pattern that began in mid-October continued through December 20<sup>th</sup>. A statewide average of only 1.25 inches occurred over the 67-day period ending December 20 while normal for the period is 4.30 inches. Precipitation for the remainder of the month averaged near normal. A statewide average of only 0.2 inches of snow fell through December 20. A slower start to the snow season has not occurred since 1960. However, light snow was frequent for the remainder of the month. The largest precipitation event of the month came on the 29<sup>th</sup> when snow fell across the northeast three-fourths of Iowa with greatest storm totals of 4 to 6 inches occurring from the Spirit Lake area southeastward through Fort Dodge and Marshalltown to Muscatine. The statewide average snowfall was 5.5 inches or 2.8 inches below normal. This ranks as the 63<sup>rd</sup> least December snowfall among 130 years of record. Monthly snow totals varied from 2.8 inches at Newton to 9.3 inches at Muscatine. Monthly precipitation totals (rain plus the liquid equivalent of snow) varied from 0.17 inches at Forest City to 0.91 inches at Iowa City. Precipitation totals were below normal at every reporting point in the state for the second consecutive month.

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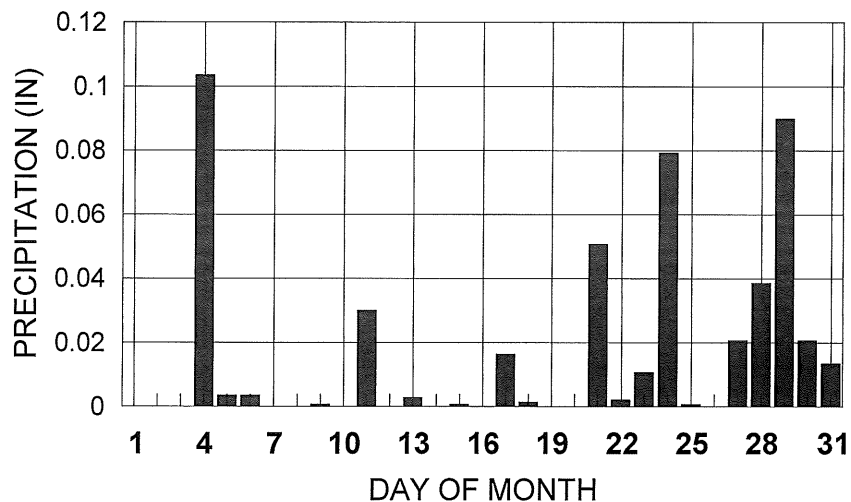
**IOWA DAILY MAX & MIN TEMPERATURES**  
DECEMBER 2017 (SELECTED STATIONS)



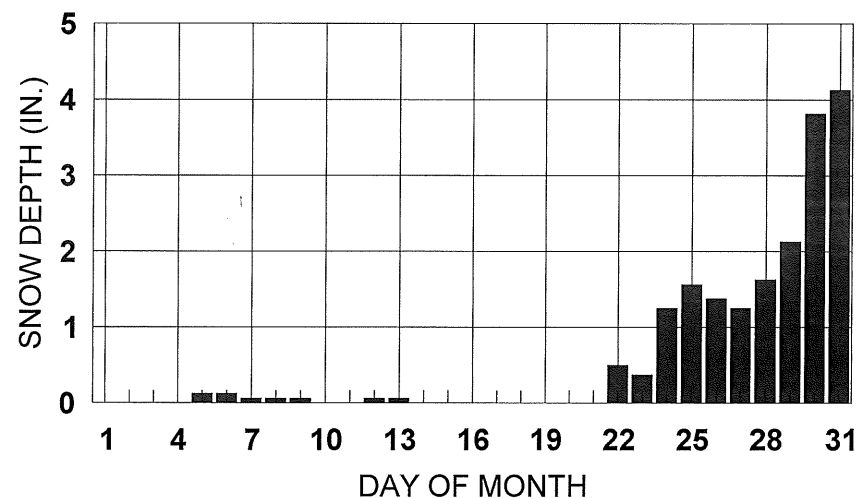
**IOWA AVERAGE DAILY SNOWFALL**  
DECEMBER 2017 (SELCTED STATIONS)



**IOWA AVERAGE DAILY PRECIPITATION**  
DECEMBER 2017 (SELECTED STATIONS)



**IOWA AVERAGE DAILY 6 am SNOW DEPTH**  
DECEMBER 2017 (SELECTED STATIONS)



DECEMBER 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	24	23	36	44	18	18	6	19	15	24	26	15	27	20	25	26	27	28	23	15	23	19	11	13	-1	-6	-4	5	6	-9	-15	16.2			
Burlington	26	31	37	46	18	22	9	14	16	22	28	10	25	17	22	26	35	38	31	19	27	29	15	14	3	-5	-7	4	9	-4	-9	18.3			
Cedar Rapids	23	26	34	45	16	16	7	15	14	21	26	10	24	15	22	25	30	30	24	15	26	25	10	12	0	-8	-10	3	7	-9	-14	15.5			
Davenport																															#####				
Des Moines	23	24	38	43	16	19	5	16	14	24	25	13	26	19	23	25	27	30	23	14	23	19	10	12	0	-7	-8	4	7	-8	-14	15.6			
Dubuque	24	26	31	45	13	13	7	15	14	18	24	9	20	14	22	25	30	31	24	15	24	25	10	11	-2	-9	-10	0	5	-9	-11	14.6			
Estherville																															#####				
Iowa City																															#####				
Lamoni	25	29	41	44	17	22	7	15	15	23	24	14	26	21	22	25	34	32	27	15	28	21	13	11	1	-7	-9	4	9	-5	-13	17.1			
Marshalltown	23	24	34	43	16	16	6	17	15	22	26	12	25	18	23	25	28	28	22	16	23	19	9	12	-1	-8	-9	3	5	-11	-17	15.0			
Mason City	20	21	31	42	13	12	5	18	14	21	23	13	22	16	23	23	25	26	20	14	18	13	6	9	-7	-12	-10	2	-2	-14	-19	12.5			
Moline, IL	31	36	38	46	25	20	10	14	16	20	26	9	22	16	21	24	32	36	28	18	26	29	14	15	2	-6	-7	3	23	-5	-8	18.5			
Omaha, NE	23	23	38	36	18	20	7	18	19	24	24	18	26	25	24	24	24	26	22	16	24	16	13	10	0	-7	-6	6	6	-2		17.2			
Ottumwa	23	27	37	45	17	21	7	14	15	22	26	9	25	17	22	24	32	33	27	17	28	25	12	13	0	-5	-9	2	7	-7		17.5			
Sioux City	25	23	34	33	22	20	8	20	18	25	24	19	27	26	25	26	25	24	20	15	18	13	11	10	-2	-8	-6	5	4	-8	-17	15.5			
Sioux Falls, SD	24	23	33	33	17	16	10	23	20	27	25	22	29	26	27	29	27	27	21	16	13	9	7	6	-7	-13	-7	4	1	-11	-19	14.8			
Spencer																															#####				
Waterloo	21	21	31	42	12	13	5	16	13	20	24	10	22	15	21	22	27	27	21	15	21	18	8	10	-4	-9	-10	2	2	-12	-16	13.2			
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																																AVG			
Ames	5.3	1.7	7.3	22.8	17.1	15.9	12.7	9.7	13.5	10.6	18.3	10.4	22.6	7.2	12.6	4.8	4.0	11.5	9.8	8.0	11.9	9.6	9.8	10.6	12.3	8.4	6.3	8.3	9.2	15.0	12.1	10.9			
Burlington	5.8	3.5	7.9	19.9	12.5	10.4	10.6	9.5	11.3	8.9	13.0	10.0	17.8	5.1	10.2	8.4	4.5	11.9	8.6	7.4	9.0	8.0	8.7	8.7	10.0	7.2	4.5	6.9	5.3	12.4	9.9	9.3			
Cedar Rapids	7.6	3.1	10.2	21.4	19.5	15.3	13.0	10.8	14.3	9.6	13.8	11.2	20.7	6.0	12.0	7.0	6.0	10.4	10.9	10.1	10.6	8.3	9.2	10.2	13.6	8.1	5.1	8.6	5.6	14.7	11.8	10.9			
Davenport	7.0	4.8	10.5	24.3	20.6	15.4	12.7	11.2	14.5	9.8	12.3	12.5	21.7	6.9	12.9	8.5	6.2	12.7	11.0	9.6	11.1	8.9	9.1	9.5	13.7	9.7	4.7	9.3	4.4	14.1	11.1	11.3			
Des Moines	8.8	4.1	10.7	23.3	16.2	14.2	12.9	9.5	12.4	10.0	16.0	10.3	20.1	5.9	12.9	5.9	4.3	11.4	8.8	8.7	11.4	8.4	7.4	10.4	10.6	8.9	5.9	8.5	7.5	10.9	10.6	10.5			
Dubuque	8.4	4.1	9.9	24.8	23.3	17.0	12.4	11.8	14.1	8.6	12.7	12.7	17.3	6.7	12.3	7.6	5.9	11.4	11.0	9.2	8.6	7.2	8.8	7.5	15.1	9.4	4.6	10.6	6.2	15.1	10.6	11.1			
Estherville	12.4	6.4	12.5	19.7	20.2	18.7	15.5	13.7	16.6	11.6	21.8	12.8	27.5	8.7	11.5	9.8	7.2	12.0	11.6	10.2	15.8	10.0	9.2	13.1	14.6	9.9	10.3	14.0	11.9	16.8	12.3	13.5			
Iowa City	4.4	1.1	6.4	19.8	16.8	14.3	10.6	8.0	11.3	7.8	11.5	10.1	16.4	4.4	9.4	3.6	3.0	8.1	9.0	8.3	8.3	7.7	8.7	9.5	11.9	8.0	5.0	7.2	4.7	13.5	10.7	9.0			
Lamoni	9.5	4.7	9.2	24.9	17.1	16.8	12.2	10.7	13.7	11.5	19.6	9.9	20.8	7.5	13.8	8.0	7.0	12.2	9.3	8.3	10.1	9.0	7.6	11.2	10.0	7.9	6.0	8.1	8.5	12.3	11.1	11.2			
Marshalltown	7.9	3.3	11.5	23.4	19.1	16.2	12.6	11.7	13.5	10.6	17.4	11.7	23.5	6.0	12.5	7.4	6.2	11.2	9.5	9.2	12.7	9.4	9.4	10.2	12.6	7.8	5.4	10.4	8.1	14.8	11.6	11.5			
Mason City	10.6	3.8	11.7	21.5	22.1	18.2	16.4	14.0	15.3	11.3	17.6	12.1	22.6	8.0	10.6	7.6	4.8	10.8	14.1	9.3	13.0	8.9	11.3	13.0	14.2	8.6	6.2	12.0	10.5	16.3	12.6	12.5			
Moline, IL	3.6	1.8	7.4	22.3	20.3	14.0	12.8	9.5	12.0	8.5	10.5	11.9	17.1	5.0	11.2	5.5	4.3	11.1	9.0	8.5	9.2	7.9	8.5	9.6	13.9	9.0	4.6	7.0	3.0	12.8	9.8	9.7			
Omaha, NE	9.7	4.3	10.6	18.0	15.7	16.1	10.5	9.0	12.6	9.9	19.7	7.4	18.7	7.0	10.2	7.4	6.6	8.8	9.0	10.5	12.2	8.6	7.9	9.6	9.3	6.6	8.9	10.9	10.4	13.8	11.6	10.7			
Ottumwa	8.8	4.1	11.6	21.9	14.7	12.1	13.2	9.7	13.8	10.6	18.3	12.2	20.5	5.8	11.6	8.6	3.0	11.2	10.3	7.8	10.4	10.6	8.4	9.0	11.3	6.9	5.2	8.2	7.3	16.8		10.8			
Sioux City	9.3	4.3	9.9	19.4	14.9	18.7	11.9	10.9	11.3	10.4	22.2	6.3	22.7	7.9	8.8	7.3	4.5	8.2	8.1	9.6	13.8	8.0	9.5	10.0	12.3	9.7	10.1	10.5	10.5	12.2	10.3	11.1			
Sioux Falls, SD	8.7	4.1	8.3	18.3	11.6	15.2	9.1	11.0	10.3	8.2	18.9	6.7	20.2	6.2	7.5	7.0	3.5	6.9	9.3	12.1	13.5	6.3	5.8	9.6	12.2	7.4	10.8	10.6	10.2	9.8	7.3	9.8			
Spencer	10.6	4.7	10.4	19.6	16.3	15.8	13.2	12.6	15.4	10.7	20.7	10.7	22.5	7.7	11.5	8.3	7.4	9.5	9.4	9.7	15.1	7.8	8.4	12.9	14.5	10.6	10.9	12.3	11.3	13.8	10.4	12.1			
Waterloo	7.7	1.6	9.9	20.3	18.1	14.6	10.7	9.3	14.1	9.2	15.4	10.6	18.5	5.8	10.0	5.1	5.6	9.8	10.6	7.6	10.8	8.2	8.3	8.1	10.8	6.9	4.3	9.9	8.0	13.6	10.0	10.1			
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																																MAX			
Ames	25	14	24	51	43	34	29	30	33	28	46	27	52	20	32	15	11	27	26	19	25	21	28	26	31	24	16	21	27	31	24	52			
Burlington	17	11	28	42	38	31	30	22	34	26	40	31	51	20	24	23	23	26	20	19	21	18	23	22	25	18	14	15	16	27	21	51			
Cedar Rapids	25	12	31	46	45	36	26	26	32	27	37	28	50	16	26	19	17	27	26	23	23	18	23	23	31	17	14	20	22	29	22	50			
Davenport	19	11	30	49	46	35	27	26	36	27	36	37	51	20	26	21	16	26	26	20	20	18	23	27	29	21	13	21	15	28	20	51			
Des Moines	28	10	28	53	40	36	32	28	30	28	48	23	50	24	33	19	11	29	21	19	25	19	26	26	30	18	16	17	22	35	20	53			
Dubuque	23	14	27	50	50	33	25	28	33	21	37	26	44	19	26	19	19	24	29	24	20	18	21	23	31	18	12	22	23	28	22	50			
Estherville	39	15	27	53	47	40	33	34	37	29	46	27	63	29	21	20	18	29	31	23	28	27	25	32	35	20	26	27	33	34	26	63			
Iowa City	22	8	27	44	44	32	27	32	35	26	40	34	49	18	26	15	11	27	22	20	20	21	20	26	30	18	13	20	24	30	23	49			
Lamoni	27	11	27	52	41	35	27	31	32	25	51	25	52	24	31	21	20	30	24	20	26	18	26	24	24	17	15	18	27	27	22	52			
Marshalltown	29	15	31	51	46	41	27	31	30	29	42	29	52	17	29	21	17	30	27	20	24	19	24	27	31	16	14	23	24	29	21	5			



DECEMBER 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	DEC	DEC	17-18	NORM	DEC	DEC	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																					0.42		0.15	30	5	2	0	5.0	2	31	
Cherokee	32.3	12.2	22.3	1.3	60	4	-15	31	0	14	31	5	1321	1364	2822	2962	0	0	750	720	0.33	-0.57	0.19	30	5	1	0	8.0	5	31	
Emmetsburg	31.5	12.8	22.2	3.3	60	5	-18	31	0	15	31	5	1321	1430	2765	3117	0	0	778	630	0.27	-0.76	0.14	30	5	1	0	7.0	6	31	
Estherville Airport	28.1	10.3	19.2	0.2	57	4	-21	31	0	18	31	7	1413	1424	3022	3143	0	0	511	591							0				
Estherville 4 E	29.1	10.5	19.8	1.0	57	5	-21	31	0	18	31	7	1395	1431	3011	3134	0	0	537	582	0.29	-0.64	0.12	30	6	1	0	6.0	5	31	
Everly 3 WNW																					0.31		0.12	30	6	1	0	6.2	5	31	
Hawarden	32.1	14.0	23.1	2.7	57	4	-14	31	0	14	31	5	1296	1382	2771	2995	0	0	790	765	0.44	-0.57	0.20	5	6	2	0	6.9	4	31	
Le Mars	33.0	13.6	23.3	2.6	59	4	-16	31	0	14	30	6	1288	1375	2710	2952	0	0	746	778	0.25	-0.63	0.16	30	5	1	0	4.3	2	31	
Orange City																					0.26		0.17	30	5	1	0	4.3	3	31	
Pocahontas	32.6	12.1	22.4	1.9	62	5	-19	31	0	15	31	6	1316	1379	2730	2941	0	0	810	774	0.43	-0.83	0.20	30	8	1	0	8.6	6	31	
Primghar	31.8	14.5	23.2	1.9	57	3	-14	31	0	14	29	6	1289	1356	2548	2820	0	0	948	864	0.32	-0.56	0.16	29	5	1	0	7.1	6	30	
Remsen #2																					0.24		0.16	30	5	1	0	4.3	3	31	
Rock Rapids	31.0	12.0	21.5	2.5	57	3	-19	31	0	15	31	6	1343	1424	2859	3121	0	0	697	718	0.57	-0.21	0.20	30	5	3	0	6.5	4	31	
Rock Valley																					0.40	-0.44	0.14	31	5	2	0	7.0	5	31	
Sanborn	29.3	12.4	20.9	2.1	56	4	-18	31	0	17	31	6	1365	1434	2914	3124	0	0	682	651	0.43	-0.51	0.18	30	5	2	0	6.7	6	31	
Sheldon	31.1	11.0	21.1	3.4	58	4	-20	31	0	16	31	6	1356	1465	2982	3286	0	0	571	560	0.64	-0.36	0.28	30	7	2	0	7.1	5	31	
Sibley	28.5	10.3	19.4	1.3	55	4	-20	31	0	17	31	7	1407	1455	3031	3191	0	0	642	570	0.48	-0.38	0.15	30	7	3	0	8.7	6	31	
Sioux Center 2 SE	32.3	14.0	23.2	1.8	58	3	-16	31	0	14	30	5	1292	1351	2585	2821	0	0	855	851	0.26	-0.68	0.10	29	5	1	0	6.1	4	31	
Sioux Rapids 4 E	30.8	12.5	21.7	1.6	59	3	-21	31	0	17	31	6	1336	1393	2758	2994	0	0	683	668	0.28	-0.65	0.14	29	5	1	0	6.9	6	31	
Spencer Airport	30.6	10.9	20.8	1.7	59	3	-22	31	0	16	31	6	1367	1424	2848	3089	0	0	713	684							0				
Spencer 1 N	29.4	11.7	20.6	1.2	58	3	-20	31	0	18	31	6	1372	1415	2856	3087	0	0	718	689	0.29	-0.44	0.08	29	5	0	0	6.8	6	31	
Spirit Lake 4 W	28.6	12.1	20.4		57	3	-22	31	0	17	30	6	1381		2839		0		718		0.33		0.11	29	6	2	0	8.0			
Storm Lake	31.8	13.6	22.7	1.6	56	5	-15	31	0	17	30	5	1306	1361	2725	2900	0	0	792	737	0.42	-0.64	0.16	30	7	1	0	8.7	6	31	
Washta	34.2	13.5	23.9		60	4	-14	31	0	13	31	5	1269				0										0				
NORTH CENTRAL DIVISION																															
Algona 3 W														1429		3089		0		600		0.36	-0.67	0.23	30	7	1	0	7.1	7	31
Allison	31.1	12.8	22.0	1.6	65	5	-14	28	0	15	31	6	1328	1381	2714	2927	0	0	642	707	0.27	-0.96	0.13	30	5	1	0	7.5	4	30	
Britt														1430		3118		0		620		0.31	-0.98	0.23	30	3	1	0	6.4	6	30
Charles City	28.9	12.9	20.9	0.4	65	4	-18	31	0	18	30	6	1361	1379	2783	2940	0	0	600	665	0.19	-1.09	0.09	30	6	0	0	3.1	2	31	
Clarion	32.2	11.8	22.0	1.8	66	5	-14	31	0	15	31	6	1328	1387	2745	2930	0	0	709	757							0				
Dakota City	32.3	12.9	22.6	2.1	64	5	-16	31	0	16	31	5	1308	1377	2721	2979	0	0	708	628	0.35	-0.90	0.15	30	7	1	0	7.9	7	31	
Forest City 2 NNE	29.2	11.4	20.3	1.2	64	5	-20	31	0	18	31	6	1381	1424	2943	3066	0	0	536	648	0.17	-1.04	0.09	30	3	0	0	5.5	4	31	
Hampton	32.9	13.4	23.2	2.7	67	5	-12	31	0	14	31	6	1292	1379	2667	2952	0	0	723	679	0.43	-1.02	0.27	30	6	1	0	6.3	6	31	
Kanawha																					-1.23	0.20	30				0				
Lake Mills																					0.41	-0.89	0.14	30	6	2	0	4.6	4	30	
Mason City	30.7	13.0	21.9	2.4	66	5	-11	31	0	17	31	5	1330	1412	2770	3097	0	0	621	578	0.26	-0.93	0.13	30	5	1	0	3.0	2	31	
Mason City Airport	29.0	11.1	20.1	0.5	66	4	-21	31	0	19	31	6	1386	1409	2889	3089	0	0	603	616	0.28	-0.96	0.16	29	5	1	0	4.2	4	31	
Nashua 2 SW																					0.28		0.13	30	5	1	0	3.1	2	31	
Northwood	27.6	9.3	18.5	0.2	63	5	-18	31	0	19	31	7	1437	1449	3123	3212	0	0	411	522							0				
Osage	30.1	12.5	21.3	2.1	65	5	-13	31	0	17	31	6	1350	1421	2775	3062	0	0	713	618	0.31	-1.32	0.14	30	5	1	0	3.8	3	31	
Saint Ansgar																					0.36		0.15	30	4	1	0	4.7	3	31	
Swea City 4 W	30.2	10.3	20.3	2.2	60	5	-19	31	0	17	31	5	1384	1455	2992	3182	0	0	533	594	0.45	-0.41	0.18	30	4	2	0	7.5	5	30	
NORTHEAST DIVISION																															
Cascade	32.6	16.0	24.3	1.8	63	5	-7	28	0	14	31	4	1257	1317	2565	2839	0	0	687	676	0.39	-1.34	0.16	30	7	1	0	3.7	3	31	
Cresco 1 NE	28.9	9.8	19.4	0.8	61	5	-14	31	0	19	31	6	1410	1438	2979	3234	0	0	534	498	0.39	-1.03	0.14	12	8	1	0	3.4	2	31	
Decorah	31.5	14.4	23.0	1.2	62	4	-13	27	0	15	30	5	1297	1337	2581	2817	0	0	713	707	0.51	-0.71	0.22	4	8	2	0	3.8	2	31	

DECEMBER 2017	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																								IOWA CLIMATE REVIEW					
	TEMPERATURE (F)														PRECIPITATION (Inches)															
																									NUMBER OF DAYS			SNOWFALL (Inches)		
	AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	DEC	DEC	17-18	NORM	DEC	DEC	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 Lock & Dam 11	30.7	16.4	23.6	-0.5	62	5	-7	28	0	18	31	5	1281	1269	2546	2609	0	0	766	906	0.61	-1.06	0.11	4	9	3	0	7.9	5	31
Dubuque Airport	30.1	14.6	22.4	-0.4	62	4	-14	31	0	16	30	5	1318	1310	2683	2810	0	0	577	643	0.71	-1.13	0.23	11	8	3	0	5.7	4	30
Elkader 6 SSW	31.5	11.6	21.6	0.0	63	5	-15	28	0	17	31	5	1341	1345	2830	2933	0	0	520	640	0.45	-1.08	0.12	4	9	2	0	4.2	3	31
Fayette	30.5	12.6	21.6	1.3	62	5	-14	28	0	17	31	6	1341	1387	2758	3017	0	0	598	589	0.43	-1.19	0.13	30	5	3	0	5.6	3	30
Guttenberg L & D 10	30.7	16.6	23.7	-0.2	63	4	-12	31	0	16	30	5	1277	1274	2473	2638	0	0	875	869	0.38	-1.14	0.10	4	7	1	0	5.4	4	31
Ionia 2 W																					0.21	0.12	30	5	1	0	2.9	3	31	
Manchester #2	31.3	11.8	21.6	0.0	62	5	-17	27	0	15	31	5	1342	1344	2824	2948	0	0	565	608	0.44	-1.00	0.14	30	9	1	0	4.4	4	31
New Hampton	29.2	11.3	20.3	1.8	63	5	-15	28	0	19	31	6	1383	1441	2915	3139	0	0	510	541	0.32	-1.27	0.10	12	7	1	0	5.1	4	30
Oelwein 1 E	32.0	13.1	22.6	2.5	63	5	-15	27	0	14	30	6	1309	1391	2642	2951	0	0	689	595	0.29	-0.85	0.17	30	4	2	0	5.0	3	31
Postville	30.2	12.1	21.2		61	5	-14	28	0	18	31	7	1353		2804		0		570		0.24	-1.15	0.07	4	5	0	0	4.0	3	31
Stanley 3 WSW	30.9	10.4	20.7		62	5	-17	28	0	16	31	6	1367		2888		0		538		0.23		0.11	30	7	1	0	5.1	4	31
Strawberry Point																					0.46	0.11	30	7	1	0	3.5	2	31	
Tripoli	31.1	12.2	21.7	1.3	64	5	-16	28	0	16	31	6	1339	1384	2716	2983	0	0	698	651	0.30	-1.08	0.13	30	6	1	0	5.8	5	31
Waterloo Airport	31.3	12.5	21.9	-0.3	66	4	-17	31	0	16	31	5	1331	1328	2722	2811	0	0	720	799	0.46	-0.74	0.20	29	7	2	0	7.7	5	31
Waukon 4 SW	28.5	10.4	19.5		61	5	-13	28	0	20	31	6	1405	1392		3030	0	0		560	0.46		0.28	4	7	1	0	3.4	2	31
WEST CENTRAL DIVISION																														
Audubon	35.0	13.7	24.4	2.2	63	5	-16	31	0	12	31	5	1252	1327	2621	2850	0	0	662	735	0.29	-0.91	0.13	24	4	1	0	2.9	3	31
Battle Creek 3 NE	34.0	12.1	23.1		59	5	-16	31	0	13	31	5	1296		2748		0		757		0.33		0.13	22	5	1	0	6.6	5	31
Carroll	35.3	15.4	25.4	3.3	64	5	-12	31	0	12	31	5	1223	1327	2483	2834	0	0	935	807	0.69	-0.52	0.32	31	6	3	0	8.3	6	31
Castana Exp. Farm	34.9	16.1	25.5	3.1	60	5	-13	31	0	13	30	5	1217	1319	2519	2796	0	0	871	783	0.49	-0.45	0.15	28	6	4	0	7.2	6	31
Denison	33.5	15.0	24.3	0.2	61	5	-14	31	0	14	30	5	1257	1269	2629	2634	0	0	802	949	0.50	-0.51	0.15	31	6	2	0	6.0	5	31
Guthrie Center	36.2	14.0	25.1	1.9	67	5	-14	31	0	10	31	5	1231	1294	2524	2769	0	0	891	814	0.21	-1.26	0.06	28	5	0	0	4.6	3	31
Holly Springs 1 NW																					0.28	0.08	28	5	0	0	5.4	5	31	
Holstein	30.5	13.2	21.9		58	3	-23	31	0	17	31	6	1334		2722		0		791		0.41	-0.74	0.11	30	7	2	0	5.5	3	31
Little Sioux 2 NW	36.6	12.9	24.8		60	4	-17	27	0	10	31	4	1240		2605		0		904		0.54		0.15	24	6	4	0	8.7	7	31
Logan	36.6	13.1	24.9	1.4	61	5	-21	31	0	10	31	5	1238	1285	2474	2712	0	0	1004	929	0.38	-0.87	0.18	22	4	2	0	3.2	2	31
Mapleton #2	34.7	13.8	24.3	2.5	58	4	-16	31	0	12	31	5	1257	1339	2688	2873	0	0	749	794	0.47	-0.54	0.13	22	5	3	0	9.0	5	31
Rockwell City	33.4	13.7	23.6	2.6	64	5	-15	31	0	15	31	5	1278	1362	2627	2917	0	0	814	715	0.29	-0.80	0.11	30	5	1	0	5.4	3	31
Sac City	33.4	13.0	23.2	2.5	60	5	-15	31	0	14	30	5	1289	1372	2732	2998	0	0	639	659	0.31	-0.84	0.08	30	5	0	0	7.1	6	31
Sioux City Airport	34.3	12.7	23.5	0.9	58	3	-24	31	0	11	31	5	1281	1316	2600	2792	0	0	950	870	0.39	-0.41	0.14	30	9	1	0	7.3	6	31
CENTRAL DIVISION																														
Ames Airport	33.9	14.7	24.3	1.2	69	4	-16	31	0	13	31	5	1254	1300	2512	2754	0	0	861	752							0			
Ames 8 WSW	34.9	15.7	25.3	1.6	66	4	-15	27	0	11	30	5	1223	1280	2374	2611	0	0	985	878	0.31	-0.85	0.08	29	8	0	0	3.7	3	31
Ames 5 SE	34.8	13.7	24.3	1.2	67	5	-13	28	0	12	31	5	1259	1299	2594	2755	0	0	740	745	0.28	-0.99	0.11	30	6	1	0	7.4	5	31
Ankeny	35.7	16.4	26.1	1.5	69	5	-11	27	0	12	31	5	1204	1254	2376	2605	0	0	1074	947	0.33	-0.90	0.16	24	8	1	0	4.4	3	31
Boone	35.4	14.6	25.0	2.5	66	5	-13	31	0	13	31	5	1235	1319	2509	2790	0	0	865	742	0.53	-1.00	0.14	30	8	3	0	5.6	5	31
Brooklyn																					0.41	-1.02	0.18	30	7	1	0	5.8	5	31
Clutier																					0.36	-1.06	0.17	30	7	1	0	7.0	6	31
Des Moines Airport	35.3	18.3	26.8	0.8	69	4	-15	31	0	12	29	4	1178	1209	2233	2467	0	0	1306	1068	0.42	-1.02	0.15	24	9	1	0	6.7	4	31
Des Moines Camp Dodge	34.8	16.8	25.8	1.0	69	4	-19	31	0	13	29	4	1205	1246	2324	2567	0	0	1099	937	0.31	-1.00	0.08	24	7	0	0	5.2	4	31
Eldora	32.9	13.4	23.2	2.1	66	5	-14	28	0	14	31	6	1290	1359	2685	2893	0	0	727	724	0.29	-1.09	0.12	30	6	1	0	8.1	7	31
Fort Dodge 5 NNW	32.5	13.4	23.0	2.0	65	5	-15	31	0	16	31	5	1294	1365	2717	2904	0	0	628	755	0.50	-0.72	0.20	30	5	2	0	7.5	6	31
Gilman																					0.41	-0.81	0.15	30	6	2	0	6.4	5	31
Grinnell 3 SW	34.5	14.0	24.3	1.0	66	5	-14	27	0	12	31	5	1259	1293	2623	2817	0	0	645	670	0.35	-1.12	0.14	30	8	1	0	5.9	5	31
Grundy Center	33.2	13.6	23.4	2.0	68	5	-13	28	0	14	30	6	1286	1351	2656	2892	0	0	682	701	0.35	-0.96	0.19	30	6	1	0	6.9	5	31
Iowa Falls	33.2	13.5	23.4	2.6	67	5	-12	31	0	14	31	5	1285	1370	2655	2913	0	0	707	702	0.23	-1.27	0.10	30	6	1	0	7.8	6	31
Marshalltown	34.3	13.7	24.0	1.5	68	5	-13	31	0	12	31	6	1265	1316	2598	2825	0	0	751	755	0.46	-0.78	0.23	30	8	1	0	8.1	6	31

DECEMBER 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW									
				TEMPERATURE (F)																PRECIPITATION (Inches)				NUMBER OF DAYS			SNOWFALL (Inches)						
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS											MAX ON						
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	DEC	DEC	17-18	NORM	DEC	DEC	2017	NORM		DEP	EXT							
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		
Marshalltown Airport	32.7	13.9	23.3	0.8	68	4	-22	31		0	15	31	5	1283	1316	2575	2812	0	0	794	727								0				
Montezuma 1 W																						0.26	-1.25	0.11	24	4	1	0	6.5	7	31		
Newton	34.1	15.1	24.6	1.5	67	5	-12	31		0	12	31	5	1246	1300	2499	2724	0	0	903	838	0.21	-0.89	0.06	30	6	0	0	2.8	2	31		
Perry	36.2	14.6	25.4	2.1	68	5	-13	31	+	0	11	31	5	1222	1293	2468	2747	0	0	955	846	0.33	-0.95	0.12	31	8	1	0	5.6	4	31		
Toledo 3 N	33.3	13.8	23.6	1.2	66	5	-13	31	+	0	14	31	5	1282	1322	2641	2805	0	0	678	708	0.30	-0.92	0.18	30	6	1	0	7.0	7	31		
Webster City	34.0	12.6	23.3	2.2	67	5	-15	28		0	14	31	5	1286	1361	2722	2907	0	0	646	697	0.38	-0.84	0.15	30	7	1	0	6.5	5	31		
Zearing																						0.34	-0.78	0.15	30	5	1	0	7.0	7	31		
EAST CENTRAL DIVISION																																	
Anamosa 3 SSW	34.1	16.2	25.2	2.6	63	5	-6	28	+	0	12	31	5	1229	1313	2519	2854	0	0	576	633	0.37	-1.35	0.14	30	9	1	0	4.7	5	31		
Belle Plaine	35.0	14.0	24.5	1.8	68	5	-13	27		0	12	31	5	1247	1313	2550	2801	0	0	754	737	0.34	-1.16	0.14	30	7	1	0	6.1	5	31		
Bellevue Lock & Dam 12	33.3	17.0	25.2	1.0	65	5	-9	28	+	0	14	30	4	1227	1265	2460	2675	0	0	727	786	0.57	-1.19	0.20	12	8	3	0	6.4	4	31		
Cedar Rapids Airport	33.0	14.2	23.6	0.3	65	4	-22	31		0	13	30	5	1277	1293	2536	2739	0	0	747	748												
Cedar Rapids #1	34.3	17.0	25.7	0.3	64	4	-10	27		0	12	29	5	1213	1229	2353	2487	0	0	934	950	0.62	-1.01	0.27	4	7	2	0	7.7	7	29		
Clinton #1	34.2	17.9	26.1	-0.1	64	5	-11	27		0	12	29	5	1200	1201	2360	2436	0	0	880	956	0.84	-1.07	0.30	5	10	3	0	5.4	4	31		
Coggon	31.8	12.6	22.2		63	5	-13	27		0	15	31	5	1321		2760		0		585		0.37		0.16	30	5	1	0	6.3	4	31		
Davenport Airport	33.3	16.9	25.1	-0.2	65	4	-14	31	+	0	13	29	6	1230	1232	2440	2580	0	0	794	786	0.53		0.18	4	7	3	0	6.4	6	30		
De Witt																					0.66	-1.19	0.26	5	8	2	0	5.9	4	31			
Iowa City	35.3	15.7	25.5	-1.1	66	5	-9	31		0	11	31	3	1217	1189	2486	2374	0	0	757	1066	0.91	-0.78	0.30	5	11	4	0	6.9	6	31		
Iowa City Airport	35.0	17.9	26.5	1.3	68	4	-13	31		0	12	30	4	1188	1232	2283	2539	0	0	1073	912			0.20	4								
Le Claire L & D 14	34.9	19.0	27.0	0.6	64	5	-7	28	+	0	12	31	4	1173	1196	2286	2405	0	0	976	1020	0.50	-1.67	0.20	30	10	2	0					
Lowden	34.1	15.0	24.6	0.9	65	4	-16	31		0	13	30	5	1248	1282	2504	2732	0	0	769	699	0.83	-1.25	0.31	4	9	3	0	7.4	5	31		
Maquoketa 4 W	32.5	13.5	23.0	0.6	64	5	-13	28	+	0	13	31	5	1295	1320	2659	2875	0	0	627	616	0.31	-1.49	0.14	30	7	1	0	4.4	3	31		
Monticello																					0.71		0.37	5	9	2	0	4.8	4	31			
Muscatine	35.6	16.8	26.2	-1.1	66	5	-10	28	+	0	12	30	3	1197	1170	2352	2334	0	0	952	1101	0.86	-1.22	0.28	30	10	2	0	4.8	4	31		
Muscatine 2 N																					0.62		0.24	30	10	2	0	9.3	8	30			
Swisher																					0.72		0.22	30	8	3	0	8.4	7	30			
Vinton	31.8	11.9	21.9	-1.8	64	5	-13	28	+	0	15	31	6	1332	1279	2789	2668	0	0	596	803	0.43	-1.12	0.24	30	8	1	0	6.8	6	31		
Williamsburg 1 E	34.6	13.5	24.1	0.6	67	5	-17	31		0	13	31	5	1262	1288	2561	2728	0	0	813	768	0.79	-0.80	0.24	30	8	3	0	7.2	5	31		
SOUTHWEST DIVISION																																	
Atlantic 1 NE	37.9	13.2	25.6	2.1	65	5	-19	31		0	11	31	4	1215	1285	2442	2741	0	0	923	850	0.36	-1.10	0.15	24	5	2	0	5.0	4	31		
Bedford	38.6	17.0	27.8	2.2	68	5	-13	31	+	0	11	31	4	1146	1221	2286	2519	0	0	1012	967	0.49	-0.89	0.25	18	6	2	0	5.2	4	24		
Clarinda	39.5	15.5	27.5	2.7	67	5	-15	28	+	0	10	31	4	1157	1246	2301	2645	0	0	909	847	0.41	-0.85	0.14	24	3	3	0	3.0	3	31		
Corning 1 W	37.2	16.2	26.7	1.5	67	5	-15	28	+	0	11	31	4	1181	1232	2387	2585	0	0	847	859	0.29	-0.99	0.22	24	4	1	0	3.7	4	28		
Glenwood															1235		2556		0		860												
Greenfield	36.1	15.5	25.8	-0.2	66	5	-15	31		0	12	30	5	1208	1209	2420	2442	0	0	941	997	0.43	-0.98	0.20	24	5	2	0	5.2	3	31		
Hastings 4 NE																					0.29		0.24	24	4	1	0	3.1	3	31			
Massena																					0.36		0.17	24	6	1	0	5.4	3	31			
Oakland	36.4	16.2	26.3	1.8	62	5	-12	31	+	0	10	30	5	1193	1254	2396	2617	0	0	952	898	0.32	-0.86	0.14	24	6	2	0	3.0	2	31		
Randolph																					0.43	-0.72	0.28	24	4	2	0	4.2	4	28			
Red Oak	39.2	16.3	27.8	2.1	66	5	-15	28	+	0	10	31	4	1146	1217	2274	2514	0	0	1053	1038	0.36	-0.91	0.23	24	4	1	0	3.5	3	31		
Shenandoah	39.2	16.7	28.0	1.3	65	5	-17	27		0	10	31	4	1139	1187	2203	2416	0	0	1166	1135	0.53	-0.75	0.26	24	5	2	0	4.2	4	25		
Sidney 1 SSE	37.6	17.6	27.6	0.9	63	5	-12	28	+	0	10	27	4	1152	1187	2265	2412	0	0	1000	1059	0.29	-0.86	0.18	24	4	1	0	3.0	3	25		
Underwood																					0.41		0.25	24	4	2	0	3.9	3	31			
SOUTH CENTRAL DIVISION																																	
Albia 3 NNE	36.5	17.5	27.0	1.0	68	5	-12	31	+	0	12	30	4	1172	1209	2343	2502	0	0	944	897	0.52	-0.92	0.20	24	6	1	0	5.2	4	31		
Allerton	36.5	16.6	26.6	1.1	68	5	-12	28		0	13	31	3	1184	1224	2362	2531	0	0	955	874	0.50	-1.02	0.23	24	7	2	0	5.7	4	31		
Beaconsfield	36.7	16.0	26.4	1.0	67	5	-14	28	+	0	12	31	5	1193	1228	2375	2569	0	0	916	847	0.41	-0.88	0.27	24	5	1	0	4.2	4	24		

DECEMBER 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	DEC	DEC	17-18	NORM	DEC	DEC	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	ON	
Centerville	37.5	15.9	26.7	-0.6	69	5	-16	28	0	12	29	3	1181	1167	2355	2423	0	0	911	937	0.83	-0.51	0.30	24	7	3	0	5.2	5	
Chariton 1 E	36.5	14.4	25.5	0.3	68	5	-16	27	0	12	31	5	1220	1234	2494	2637	0	0	792	796	0.43	-0.75	0.22	24	7	1	0	4.6	4	
Creston 2 SW	35.4	16.1	25.8	1.6	66	5	-14	28	0	12	30	5	1210	1265	2413	2649	0	0	934	850	0.59	-0.85	0.28	24	7	2	0	5.6	4	
Indianola 4 W	37.1	16.4	26.8	1.6	70	5	-16	28	0	10	30	5	1181	1235	2342	2588	0	0		869	0.38	-0.93	0.20	24	8	1	0	4.7	4	
Knoxville	35.8	17.8	26.8	1.1	68	5	-11	31	0	12	29	4	1178	1217	2343	2493	0	0	1032	972	0.42	-1.00	0.17	24	9	1	0	5.0	3	
Lamoni	38.1	17.9	28.0	1.5	70	5	-11	31	0	11	30	4	1143	1192	2213	2444	0	0	1250	1051	0.41	-1.17	0.27	24	6	1	0	3.5	3	
Lamoni Airport	36.5	18.2	27.4	0.5	69	4	-16	31	0	12	29	4	1162	1181	2221	2429	0	0	1150	947	0.47		0.20	24	8	1	0			
Lorimor																					0.42	-1.08	0.21	24	5	1	0	4.3	4	
Mount Ayr	37.0	16.0	26.5	1.2	68	5	-16	27	0	11	30	5	1187	1229	2393	2569	0	0	892	836	0.39	-1.02	0.25	24	5	1	0	3.6	3	
Osceola	37.2	15.1	26.2	0.9	68	5	-15	27	0	11	31	5	1199	1231	2377	2576	0	0	1081	903	0.34	-1.13	0.15	24	7	1	0	5.5	4	
Pella 1 S																					0.38	-0.84	0.16	24	9	1	0	4.9	4	
Rathbun Dam	36.8	17.2	27.0	0.3	68	5	-12	31	0	12	30	4	1171	1189	2322	2440	0	0	994	962	0.41	-0.92	0.14	24	7	1	0	4.2	4	
Winterset 1 S														1263		2654		0		814							0			
SOUTHEAST DIVISION																														
Bloomfield 1 WNW														1178		2409		0		966	0.49	-1.01	0.22	24	7	2	0	6.3	4	
Brighton																						0.13	24	4		0				
Burlington Airport	36.3	19.2	27.8	-1.3	67	4	-12	31	0	12	26	4	1149	1113	2200	2186	0	0	1068	1207	0.35	-1.74	0.21	24	7	1	0	4.4	3	
Donnellson	38.1	18.4	28.3		67	5	-10	27	0	10	27	3	1135		2246		0		1134		0.42	-1.68	0.17	24	9	1	0	4.4	3	
Fairfield	36.5	18.6	27.6	-0.2	67	5	-11	31	0	12	31	3	1153	1153	2265	2299	0	0	1008	1086	0.58	-1.14	0.20	5	8	2	0	4.3	3	
Fort Madison	36.1	20.7	28.4	-0.9	64	4	-11	31	0	11	26	4	1129	1108	2158	2178	0	0	1181	1200	0.35	-1.91	0.13	4	6	1	0	3.9	3	
Keokuk Lock & Dam 19	38.9	21.7	30.3	1.3	67	5	-4	28	0	10	26	3	1068	1114	2064	2208	0	0	1115	1143	0.81	-1.31	0.49	5	8	2	0	4.1	3	
Keosauqua	36.6	16.1	26.4		67	5	-14	31	0	13	29	4	1193	1153	2339	2323	0	0	1036	1076	0.36	-1.57	0.22	24	5	1	0	4.6	4	
Mount Pleasant 1 SSW	36.6	16.5	26.6	-1.3	66	5	-12	28	0	12	30	4	1184	1150	2390	2294	0	0	889	1067	0.43	-1.37	0.12	24	11	1	0	4.7		
Oskaloosa	35.5	16.0	25.8	1.1	68	5	-13	28	0	12	31	5	1212	1249	2413	2612	0	0	954	855	0.58	-0.76	0.14	24	8	3	0	4.4	3	
Ottumwa Airport	35.5	16.9	26.2	0.2	69	4	-16	31	0	13	30	4	1196	1207	2323	2505	0	0	1120	938	0.70	-0.67	0.34	4	7	3	0	4.4	3	
Ottumwa 5 W																					0.44		0.12	5	7	2	0	4.4	3	
Salem 1 S																					0.37		0.12	24	8	1	0	3.4	3	
Sigourney							-17	31						1243		2588		0		859	0.72	-0.73	0.19	5	9	4	0	5.2	3	
Washington	35.8	15.0	25.4	0.5	65	5	-12	31	0	11	31	5	1222	1243	2477	2584	0	0	836	873	0.53	-1.16	0.14	30	9	1	0	5.0	6	
SUPPLEMENTAL STATIONS																														
Moline Airport	35.6	18.5	27.1	0.5	67	4	-11	31	0	12	29	4	1166	1190	2239	2421	0	0	993	1005	0.52	-1.66	0.23	29	7	2	0	9.6	7	
Omaha Eppley AP	37.1	17.6	27.4	1.4	63	4	-14	31	0	11	30	4	1160	1209	2220	2479	0	0	1349	1112	0.42	-0.62	0.16	24	6	2	0	3.6	4	
Sioux Falls WFO AP	30.3	11.9	21.1	1.9	56	2	-20	31	0	16	31	8	1354	1421	2763	3133	0	0	776	691	0.71	0.02	0.31	21	6	2	0	10.4	6	
DIVISIONAL AND STATE AVERAGES																														
Northwest	30.8	12.3	21.6	1.9	62	5	-22	31	0	16	31	6	1342	1404	2821	3037	0	0	719	700	0.36	-0.54	0.28	30	6	1	0	6.7	6	
North Central	30.4	11.9	21.2	1.7	67	5	-21	31	0	17	31	6	1353	1410	2829	3049	0	0	618	633	0.32	-0.92	0.27	30	5	1	0	5.3	7	
Northeast	30.7	12.9	21.8	0.5	66	4	-17	31	0	17	31	6	1334	1353	2728	2903	0	0	637	663	0.40	-1.09	0.28	4	7	2	0	4.8	5	
West Central	34.5	13.7	24.1	1.8	67	5	-24	31	0	13	31	5	1261	1324	2613	2813	0	0	828	812	0.40	-0.69	0.32	31	6	2	0	6.2	7	
Central	34.2	14.5	24.4	1.6	69	5	-22	31	0	13	31	5	1253	1309	2542	2768	0	0	836	787	0.35	-0.97	0.23	30	7	1	0	6.3	7	
East Central	33.9	15.6	24.8	0.3	68	5	-22	31	0	13	30	5	1241	1254	2494	2615	0	0	785	833	0.61	-1.13	0.37	5	8	2	0	6.4	8	
Southwest	38.0	16.0	27.0	1.6	68	5	-19	31	0	11	30	4	1171	1227	2330	2544	0	0	978	951	0.38	-0.86	0.28	24	5	2	0	4.0	4	
South Central	36.7	16.5	26.6	0.9	70	5	-16	31	0	12	30	4	1183	1219	2350	2540	0	0	988	892	0.46	-0.92	0.30	24	7	1	0	4.7	5	
Southeast	36.6	17.9	27.3	0.3	69	4	-17	31	0	12	29	4	1164	1177	2288	2391	0	0	1034	1012	0.51	-1.30	0.49	5	8	2	0	4.5	6	
State	33.8	14.4	24.1	1.2	70	5	-24	31	0	14	31	5	1261	1304	2571	2759	0	0	815	800	0.42	-0.92	0.49	5	7	2	0	5.5	8	

DECEMBER 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
NORTHWEST DIVISION																																		
Cherokee	8	MAX	52	55	54	60	51	33	28	23	28	31	43	41	45	40	33	45	48	34	48	43	38	30	24	20	21	3	3	7	17	7	-5	32.3
		MIN	22	20	22	23	19	21	5	5	17	17	28	11	11	23	23	22	21	20	22	15	25	10	11	9	1	-7	-12	-12	6	-6	-15	12.2
Emmetsburg	8	MAX	51	56	54	59	60	26	26	25	33	31	40	39	42	37	34	44	47	32	46	42	34	26	26	23	22	2	-1	10	15	4	-8	31.5
		MIN	26	25	27	30	18	18	6	8	18	19	30	10	11	21	21	27	25	19	21	20	26	11	9	10	1	-9	-12	-12	3	-11	-18	12.8
Estherville Airport	24	MAX	55	53	56	57	24	25	19	31	28	39	37	35	40	30	40	46	31	45	40	33	28	23	20	19	5	1	8	13	6	-5	-11	28.1
		MIN	20	22	22	22	16	14	5	14	15	24	13	7	23	21	25	23	18	20	19	25	16	8	3	-3	-6	-15	-15	2	-5	-14	-21	10.3
Estherville 4 E	7	MAX	50	55	53	55	57	24	24	23	30	31	37	37	40	35	30	40	44	30	45	39	32	22	22	19	18	-1	0	8	13	0	-10	29.1
		MIN	20	22	22	23	16	14	5	5	15	16	29	8	12	20	20	25	23	19	21	24	22	8	6	6	-3	-12	-14	-12	0	-14	-21	10.5
Hawarden	7	MAX	50	53	52	57	45	32	31	23	31	35	41	40	46	42	36	41	45	34	50	42	39	27	24	22	21	3	1	7	18	10	-3	32.1
		MIN	27	21	20	25	20	20	5	4	21	19	29	13	14	27	27	25	23	22	22	21	26	13	11	10	2	-6	-9	-8	7	-3	-14	14.0
Le Mars	7	MAX	53	56	55	59	48	33	29	23	31	30	44	41	46	42	36	44	48	34	51	44	41	24	26	23	22	3	3	7	19	10	-3	33.0
		MIN	28	25	25	33	21	22	5	7	14	18	24	12	14	26	27	26	22	20	22	16	24	11	14	10	0	-8	-11	-9	5	-5	-16	13.6
Pocahontas	8	MAX	52	56	56	61	62	32	29	24	34	33	42	40	44	40	32	45	48	32	48	43	38	29	23	21	21	3	3	8	16	5	-9	32.6
		MIN	23	22	26	31	20	20	8	8	17	17	26	10	11	23	23	28	24	17	17	18	24	11	8	8	-1	-9	-17	-14	4	-9	-19	12.1
Primghar	16	MAX	53	54	57	53	34	30	21	28	26	41	41	37	44	35	42	45	43	47	47	37	37	24	21	19	19	1	19	13	12	12	-7	31.8
		MIN	27	29	35	34	16	18	0	13	16	20	31	8	31	22	25	27	23	24	30	24	19	11	8	6	-4	-10	-13	1	3	-9	-14	14.5
Rock Rapids	8	MAX	51	54	57	56	48	27	25	24	29	32	42	40	45	39	34	42	45	37	49	41	37	22	23	19	21	0	-1	9	15	7	-7	31.0
		MIN	26	21	22	24	16	16	4	3	20	20	28	11	11	25	26	26	23	23	25	19	22	7	5	7	0	-11	-13	-13	6	-8	-19	12.0
Sanborn	8	MAX	50	52	55	56	49	28	24	21	26	29	40	37	42	38	32	40	44	30	46	40	33	25	20	17	18	-1	-1	7	14	4	-7	29.3
		MIN	29	27	26	32	17	18	3	2	16	17	27	9	8	21	21	26	22	22	22	23	25	11	7	9	-1	-11	-12	-10	4	-7	-18	12.4
Sheldon	7	MAX	51	54	57	58	49	30	25	22	28	31	42	39	44	41	34	42	45	32	48	40	35	26	22	18	21	1	1	9	16	7	-4	31.1
		MIN	24	16	19	25	17	16	4	1	17	18	29	9	9	23	23	20	20	17	22	15	26	11	8	9	-1	-10	-16	-13	6	-4	-20	11.0
Sibley	7	MAX	49	51	52	55	48	23	23	21	26	28	39	36	40	38	31	38	44	30	45	39	34	22	18	17	17	-2	-3	7	12	12	-8	28.5
		MIN	26	22	25	27	15	12	1	0	16	17	27	7	7	21	21	23	22	21	22	21	22	9	5	4	-4	-13	-14	-14	1	-11	-20	10.3
Sioux Center 2 SE	16	MAX	55	56	58	55	33	31	23	28	29	42	42	39	45	35	44	45	45	48	48	39	36	24	23	21	19	2	8	17	14	4	-8	32.3
		MIN	27	20	26	33	18	20	3	12	19	17	30	10	27	25	27	25	22	20	31	19	19	7	12	8	-1	-10	-13	4	3	-9	-16	14.0
Sioux Rapids 4 E	22	MAX	56	55	59	56	31	31	22	32	29	43	40	37	44	32	44	46	34	48	44	35	31	26	23	21	10	4	7	16	10	-2	-9	30.8
		MIN	25	25	26	25	20	16	6	14	16	18	17	9	25	19	23	25	24	17	23	20	19	10	8	10	-2	-9	-13	3	-2	-10	-21	12.5
Spencer Airport	24	MAX	56	56	59	56	27	26	20	30	30	42	40	38	44	33	45	47	34	48	43	35	31	25	22	23	9	3	10	17	10	-2	-9	30.6
		MIN	21	21	22	23	17	15	4	16	17	25	15	7	26	19	26	22	18	20	17	18	15	10	5	1	-5	-10	-13	1	-2	-11	-22	10.9
Spencer 1 N	24	MAX	55	56	58	56	26	25	20	30	29	40	38	37	42	32	43	45	32	46	41	34	30	24	20	21	9	1	9	15	10	-3	-11	29.4
		MIN	21	24	21	23	16	15	4	19	16	26	15	9	25	22	22	24	21	20	21	21	15	11	9	3	-4	-9	-11	3	-7	-13	-20	11.7
Spirit Lake 4 W	24	MAX	53	55	57	54	25	25	20	30	29	41	38	37	41	33	41	44	32	45	41	33	29	23	20	20	6	0	9	14	7	-5	-11	28.6
		MIN	29	27	33	21	15	14	3	18	16	21	14	10	24	21	25	25	22	24	24	25	13	7	7	4	-6	-13	-12	4	-5	-13	-22	12.1
Storm Lake	8	MAX	51	53	53	56	56	32	32	22	31	27	42	41	45	40	32	43	47	32	46	43	37	30	22	20	20	3	2	7	17	9	-6	31.8
		MIN	29	28	30	34	22	20	6	6	18	16	24	11	10	23	22	24	25	20	23	22	22	12	10	11	1	-5	-12	-12	3	-6	-15	13.6

DECEMBER 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	7	MAX	53	56	56	60	52	35	31	26	31	30	44	44	47	42	35	45	50	35	51	44	40	33	25	22	23	6	5	10	20	11	-2	34.2	
		MIN	27	21	20	25	21	24		7	7	19	19	26	12	12	24	25	24	26	20	23	15	25	12	12	11	1	-6	-12	-10	6	-3	-14	13.5
NORTH CENTRAL DIVISION																																			
Allison	7	MAX	53	52	52	58	65	28	29	23	37	26	37	37	34	40	27	41	44	33	45	44	32	33	23	22	20	7	3	6	13	6	-6	31.1	
		MIN	28	28	28	28	22	17	10		9	19	16	26	10	7	12	13	20	25	25	22	19	21	22	10	10	0	-9	-14	-14	3	-6	-10	12.8
Charles City	22	MAX	54	48	53	65	33	27	21	35	30	33	35	27	38	27	40	46	31	44	41	30	30	26	20	21	16	2	6	12	12	-1	-6	28.9	
		MIN	22	24	22	33	19	16	10	12	18	19	22	9	23	12	22	22	24	24	26	23	24	12	8	8	-4	-9	-12	1	-1	-11	-18	12.9	
Clarion	7	MAX	51	55	53	59	66	29	29	25	37	28	40	40	42	42	29	44	48	34	46	44	34	31	23	21	21	5	3	7	13	6	-6	32.2	
		MIN	26	20	21	32	21	16	10	9	19	13	26	9	9	14	14	24	21	18	18	18	24	19	10	9	-3	-8	-13	-14	3	-6	-14	11.8	
Dakota City	8	MAX	51	55	53	61	64	28	29	24	35	30	42	40	43	43	30	43	50	30	46	44	35	29	23	21	21	5	4	9	14	6	-8	32.3	
		MIN	28	25	23	29	21	21	9	9	16	16	29	11	11	19	20	26	21	20	21	19	24	14	10	12	2	-8	-12	-12	4	-11	-16	12.9	
Forest City 2 NNE	7	MAX	49	56	51	57	64	24	24	20	32	29	34	37	38	37	27	42	41	29	44	39	32	26	19	17	22	2	0	7	12	2	-9	29.2	
		MIN	27	26	28	31	16	16	7	10	17	17	28	8	8	14	12	25	18	18	21	25	22	14	7	8	2	-12	-14	-13	0	-12	-20	11.4	
Hampton	7	MAX	52	55	55	59	67	28	30	25	38	28	40	38	40	40	27	42	50	33	45	46	33	34	28	24	24	8	7	9	13	7	-6	32.9	
		MIN	31	27	22	23	22	18	10	10	22	18	28	10	10	18	19	27	22	22	22	19	20	21	11	8	0	-6	-11	-11	3	-7	-12	13.4	
Mason City	7	MAX	50	55	51	57	66	26	27	22	36	29	36	37	37	39	26	40	45	29	44	41	32	29	23	22	22	5	4	9	13	5	-5	30.7	
		MIN	23	25	23	23	19	18	10	9	21	19	27	10	9	13	13	26	22	24	23	26	23	19	10	9	2	-7	-10	-10	2	-7	-11	13.0	
Mason City Airport	24	MAX	56	50	54	66	27	27	22	36	29	36	37	32	40	26	41	47	29	44	42	32	29	22	20	22	8	3	8	13	12	-3	-8	29.0	
		MIN	21	22	22	27	17	16	7	18	17	20	16	8	23	13	22	20	19	19	21	23	21	6	5	8	-6	-11	-14	2	-3	-13	-21	11.1	
Northwood	7	MAX	47	53	48	54	63	22	22	19	31	27	30	34	37	37	26	38	39	27	44	40	27	29	16	17	16	8	1	4	11	-1	-10	27.6	
		MIN	21	22	22	27	15	14	7	6	17	16	25	7	7	10	9	20	20	23	19	21	15	14	2	6	0	-14	-15	-13	-3	-15	-18	9.3	
Osage	7	MAX	49	55	50	57	65	25	26	21	36	27	33	35	37	39	26	39	44	30	44	41	32	30	24	20	21	1	2	9	11	4	-1	30.1	
		MIN	27	28	28	30	17	17	9	9	19	17	24	8	8	11	12	25	26	25	25	25	21	19	9	8	0	-11	-13	-13	1	-11	-13	12.5	
Swea City 4 W	7	MAX	50	55	52	58	60	24	25	22	33	31	39	37	40	38	29	42	44	29	46	42	32	26	24	20	19	3	3	7	14	1	-9	30.2	
		MIN	23	23	23	27	16	12	7	5	16	15	28	8	8	14	18	25	21	19	24	22	21	10	4	6	1	-14	-16	-16	1	-14	-19	10.3	
NORTHEAST DIVISION																																			
Cascade	7	MAX	50	53	52	57	63	31	32	25	36	29	34	35	30	41	29	36	49	38	44	46	33	34	34	24	23	13	3	6	14	16	1	32.6	
		MIN	22	22	22	23	25	20	16	15	16	19	19	15	15	17	17	24	26	31	31	24	25	29	17	14	5	-1	-7	-7	5	1	-5	16.0	
Cresco 1 NE	7	MAX	48	53	50	54	61	24	28	22	37	28	29	33	29	34	26	33	41	29	42	41	28	27	27	22	22	6	3	8	10	6	-4	28.9	
		MIN	21	21	20	22	17	15	8	8	13	16	16	8	8	6	7	22	23	25	26	18	19	21	7	4	-3	-11	-13	-14	1	-13	-14	9.8	
Decorah	16	MAX	55	52	52	62	60	30	23	34	34	30	35	33	36	28	34	42	42	44	42	38	30	31	27	22	20	5	9	9	12	8	-1	31.5	
		MIN	19	23	19	50	19	17	11	13	17	16	22	11	22	7	24	23	27	29	27	22	24	25	11	7	0	-10	-13	1	3	-9	-10	14.4	
Dubuque Lock & Dam 11	6	MAX	49	51	54	53	62	30	31	23	33	27	30	32	28	37	27	36	46	35	42	44	30	34	32	24	22	10	4	3	11	12	0	30.7	
		MIN	27	27	26	26	24	20	17	16	17	19	21	14	13	15	15	23	28	31	31	26	24	27	17	16	6	-3	-7	-7	3	0	-4	16.4	
Dubuque Airport	24	MAX	52	50	56	62	36	32	24	34	29	32	35	24	38	26	36	46	35	42	46	32	34	33	23	21	14	4	5	10	12	6	3	30.1	
		MIN	22	27	25	35	23	17	12	13	16	16	19	12	21	11	21	25	29	30	28	23	24	20	13	7	-4	-9	-10	1	6	-7	-14	14.6	
Elkader 6 SSW	7	MAX	50	54	54	57	63	29	31	23	37	27	32	35	31	39	28	38	45	35	45	46	31	34	32	23	22	9	2	5	12	10	-3	31.5	
		MIN	17	16	17	17	22	19	13	12	15	14	14	12	11	8	7	25	23	30	30	19	23	26	12	6	1	-9	-15	-15	3	-4	-10	11.6	
Fayette	7	MAX	49	54	53	55	62	28	31	22	37	26	32	34	30	38	28	36	46	33	44	44	31	33	31	22	21	7	1	3	11	8	-6	30.5	
		MIN	24	24	25	30	20	16	12	11	15	15	18	11	10	9	9	24	24	28	30	21	24	26	12	10	-1	-11	-14	-14	2	-8	-10	12.6	



DECEMBER 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
Guttenberg L & D 10	24	MAX	53	49	56	63	37	32	23	38	30	31	35	28	39	29	36	43	36	45	46	31	34	33	24	23	17	3	5	11	13	6	2	30.7
		MIN	26	30	27	37	23	18	15	18	18	21	22	13	24	14	24	29	29	31	30	25	25	19	14	13	-3	-6	-10	2	6	-6	-12	16.6
Manchester #2	7	MAX	50	53	51	56	62	30	33	23	36	25	33	35	30	39	28	37	50	35	43	45	32	33	31	23	22	10	3	3	12	11	-5	31.3
		MIN	18	19	19	18	21	17	12	12	15	15	16	11	12	7	8	22	26	29	30	21	23	27	13	8	1	-7	-17	-15	2	-7	-10	11.8
New Hampton	8	MAX	47	53	48	55	63	25	27	20	36	24	31	34	30	37	26	36	44	31	43	40	30	30	27	20	20	7	2	6	10	5	-2	29.2
		MIN	22	22	26	30	19	16	10	9	14	14	19	8	8	10	8	23	25	26	25	23	22	22	9	8	-2	-14	-14	-15	1	-12	-12	11.3
Oelwein 1 E	7	MAX	51	55	53	58	63	31	32	23	39	28	36	34	33	39	28	39	51	36	44	47	34	35	32	23	22	9	1	2	11	9	-7	32.0
		MIN	34	31	29	29	22	17	11	11	11	17	17	9	11	10	11	22	23	29	29	20	22	25	12	11	0	-11	-15	-14	2	-8	-11	13.1
Postville	7	MAX	49	53	49	54	61	27	30	22	36	31	31	33	30	35	27	35	43	33	45	43	30	32	32	24	22	9	2	6	11	2	-2	30.2
		MIN	25	28	26	26	19	12	11	10	15	18	20	9	9	6	9	23	25	28	28	21	23	25	12	9	0	-11	-14	-14	0	-11	-11	12.1
Stanley 3 WSW	7	MAX	49	53	50	57	62	31	30	22	36	29	34	35	28	39	25	39	48	34	43	45	32	34	30	23	20	10	2	2	11	10	-5	30.9
		MIN	17	19	20	30	21	16	11	11	15	16	13	10	10	6	5	18	18	26	22	15	19	26	11	3	0	-9	-16	-17	2	-5	-10	10.4
Tripoli	7	MAX	49	54	51	56	64	28	29	23	38	27	34	35	32	39	28	40	45	33	44	44	31	33	30	29	21	8	2	4	12	8	-6	31.1
		MIN	24	26	25	27	20	15	11	11	15	15	23	9	9	9	9	24	25	27	26	22	23	24	9	9	-2	-11	-15	-16	2	-6	-10	12.2
Waterloo Airport	24	MAX	55	51	58	66	32	31	24	38	31	37	37	28	42	27	41	49	36	45	46	34	35	31	23	22	16	4	7	14	13	1	-3	31.3
		MIN	19	19	18	32	23	17	11	15	18	20	21	10	21	14	21	23	22	24	21	16	27	9	6	7	-2	-9	-15	3	1	-9	-17	12.5
Waukon 4 SW	7	MAX	50	53	50	52	61	24	31	19	36	21	27	33	28	33	23	32	42	31	42	43	27	30	30	22	22	5	3	5	10	6	-7	28.5
		MIN	18	20	20	22	19	16	11	11	15	14	16	8	8	6	7	22	22	24	25	16	20	23	11	6	-2	-9	-13	-13	1	-10	-11	10.4
WEST CENTRAL DIVISION																																		
Audubon	8	MAX	52	54	58	62	63	37	37	24	36	32	47	43	46	47	32	43	51	35	49	46	43	34	26	22	19	10	3	6	16	13	-2	35.0
		MIN	22	21	23	25	21	21	11	9	17	17	24	12	13	25	25	29	24	18	21	17	22	17	12	13	7	-2	-13	-12	5	-3	-16	13.7
Battle Creek 3 NE	8	MAX	53	56	56	59	59	35	33	25	31	33	45	42	47	43	35	43	50	32	50	44	41	32	26	21	21	5	3	7	19	11	-4	34.0
		MIN	20	18	20	27	21	23	6	6	17	16	25	11	13	25	25	23	21	17	23	12	25	13	8	6	1	-7	-13	-13	5	-4	-16	12.1
Carroll	7	MAX	54	55	56	62	64	36	32	25	37	33	46	43	47	47	33	45	52	32	50	46	41	33	27	24	20	9	5	11	19	13	-2	35.3
		MIN	29	27	28	32	23	24	11	10	17	16	28	13	13	25	25	30	23	23	26	17	20	16	11	11	9	-1	-12	-9	6	-3	-12	15.4
Castana Exp. Farm	8	MAX	54	56	56	59	60	37	35	25	30	36	47	41	49	48	36	46	50	31	52	45	42	32	24	23	20	7	3	7	19	13	-2	34.9
		MIN	28	28	29	32	20	24	8	8	20	21	36	12	12	27	27	32	24	22	26	22	24	15	15	14	7	-3	-11	-11	7	-3	-13	16.1
Denison	7	MAX	53	54	54	59	61	35	34	22	32	30	48	41	46	46	32	42	48	36	49	42	42	30	23	21	18	9	2	5	16	11	-4	33.5
		MIN	31	29	29	35	21	22	7	7	17	16	30	11	11	24	24	29	23	22	24	21	22	14	12	13	8	-3	-10	-11	5	-4	-14	15.0
Guthrie Center	8	MAX	53	55	57	64	67	37	37	26	38	34	48	45	48	46	33	45	54	36	49	47	41	33	27	24	22	11	6	6	19	14	-1	36.2
		MIN	21	22	22	23	21	22	11	12	17	15	23	12	13	26	26	29	24	17	27	15	23	18	15	13	5	-3	-14	-7	2	-3	-14	14.0
Holstein	22	MAX	54	55	58	54	32	32	22	30	29	43	40	35	45	32	43	49	32	47	43	38	33	23	21	18	11	3	5	16	9	0	-8	30.5
		MIN	28	27	30	23	18	14	5	13	16	20	18	9	27	23	24	26	23	19	27	23	19	11	11	9	-2	-11	-12	3	-1	-9	-23	13.2
Little Sioux 2 NW	7	MAX	55	58	58	60	54	40	40	25	34	35	51	45	51	50	40	49	50	34	50	44	44	40	25	21	20	11	3	8	20	17	3	36.6
		MIN	22	22	21	22	21	21	9	8	17	15	25	12	12	30	30	24	24	18	18	17	15	15	12	12	4	-5	-17	-15	7	1	-16	12.9
Logan	8	MAX	56	57	59	61	61	41	41	26	35	37	52	46	50	48	39	49	51	34	54	47	45	36	26	22	20	8	1	3	20	12	-3	36.6
		MIN	22	23	24	25	23	24	11	11	19	26	25	12	13	28	28	23	25	16	25	16	22	13	11	12	1	-6	-20	-20	3	-7	-21	13.1
Mapleton #2	7	MAX	53	56	56	58	57	36	35	25	30	34	47	43	49	47	36	44	50	32	50	46	42	33	25	23	21	5	5	7	19	13	-1	34.7
		MIN	27	21	21	26	21	22	8	7	17	20	29	12	12	27	26	29	22	21	25	15	24	13	9	11	5	-4	-13	-13	7	-2	-16	13.8

DECEMBER 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
Rockwell City	7	MAX	52	55	55	60	64	34	31	24	35	29	43	42	45	44	32	43	52	30	47	47	38	29	25	23	20	7	4	7	16	8	-5	33.4
		MIN	24	24	27	28	22	22	9	9	16	16	28	9	10	24	22	30	22	19	20	20	23	16	11	13	3	-5	-11	-10	4	-5	-15	13.7
Sac City	7	MAX	52	54	56	59	60	33	32	24	35	35	45	41	45	45	32	43	51	30	47	45	37	31	24	23	20	5	4	7	16	8	-5	33.4
		MIN	26	25	23	33	20	20	9	7	15	18	29	11	11	23	23	27	23	18	18	16	20	14	9	8	3	-5	-14	-13	5	-5	-15	13.0
Sioux City Airport	24	MAX	56	56	58	52	37	36	28	36	34	49	45	45	51	39	46	49	35	54	46	43	39	26	23	22	13	5	6	21	14	5	-5	34.3
		MIN	23	22	25	26	22	15	8	14	17	17	19	11	23	29	28	21	20	17	16	17	20	9	11	7	0	-9	-13	4	5	-6	-24	12.7
CENTRAL DIVISION																																		
Ames Airport	24	MAX	56	57	60	69	35	36	26	39	31	46	44	34	46	32	45	53	39	49	48	40	35	29	25	22	15	6	6	17	14	2	-6	33.9
		MIN	21	22	23	29	24	20	13	15	15	21	21	11	27	20	26	25	24	20	28	23	25	15	12	13	0	-6	-14	4	2	-7	-16	14.7
Ames 8 WSW	16	MAX	56	55	59	66	44	34	29	38	35	44	42	37	44	35	44	52	52	48	48	42	38	31	25	22	18	4	5	15	15	10	-5	34.9
		MIN	25	28	29	44	23	22	11	14	18	17	28	9	25	22	23	23	25	20	20	21	29	18	13	15	0	-5	-15	1	5	-7	-13	15.7
Ames 5 SE	6	MAX	52	55	55	62	67	35	33	25	38	30	44	43	40	45	30	45	52	38	49	46	42	34	27	23	22	10	5	7	15	14	-4	34.8
		MIN	22	21	22	22	23	20	13	11	20	15	27	11	10	20	22	27	26	21	18	22	21	22	14	13	2	-3	-13	-13	3	-4	-11	13.7
Ankeny	8	MAX	53	55	55	63	69	36	33	25	37	31	45	44	46	46	31	44	53	38	49	48	38	35	29	24	22	11	8	7	17	14	1	35.7
		MIN	23	28	25	26	24	24	13	13	21	21	29	13	14	23	23	30	27	24	29	24	27	22	14	14	7	-3	-11	-8	5	-3	-10	16.4
Boone	8	MAX	54	56	57	61	66	34	35	26	39	29	46	42	44	44	31	45	53	38	49	49	39	31	27	25	23	11	7	7	18	13	-1	35.4
		MIN	24	25	25	29	23	22	11	11	20	19	26	11	11	22	22	25	25	22	24	21	25	20	14	13	3	-3	-13	-12	4	-4	-13	14.6
Des Moines Airport	24	MAX	56	59	63	69	37	38	27	40	31	47	45	33	49	33	46	56	39	50	50	42	38	30	25	24	14	8	6	19	16	5	-2	35.3
		MIN	30	31	31	30	25	21	15	16	20	21	22	14	28	26	27	34	29	25	36	28	28	19	16	14	3	-2	-8	4	5	-5	-15	18.3
Des Moines Camp Dodge	24	MAX	57	59	62	69	37	36	26	39	31	47	44	34	47	31	41	56	37	50	52	38	36	31	27	24	14	8	9	20	16	4	-2	34.8
		MIN	32	29	33	28	24	19	13	18	21	23	22	11	29	24	26	32	26	23	33	25	25	15	15	13	1	-8	-11	3	3	-6	-19	16.8
Eldora	7	MAX	51	55	53	60	66	30	31	24	37	28	40	41	39	41	27	43	52	34	46	45	36	33	30	23	21	7	5	6	13	9	-6	32.9
		MIN	24	25	25	28	22	17	10	10	20	16	27	9	8	20	20	26	24	22	21	22	24	22	12	11	0	-7	-13	-14	2	-6	-12	13.4
Fort Dodge 5 NNW	7	MAX	51	54	52	61	65	30	29	24	35	30	42	40	44	44	30	43	48	31	46	44	37	28	24	21	21	8	4	7	15	7	-7	32.5
		MIN	28	25	23	24	22	21	10	9	17	16	29	11	11	21	21	27	21	20	24	19	23	17	11	12	1	-4	-12	-12	4	-9	-15	13.4
Grinnell 3 SW	7	MAX	51	54	55	61	66	34	33	26	38	32	42	44	34	44	29	43	51	39	47	48	37	34	31	25	22	12	7	6	12	13	-2	34.5
		MIN	20	20	21	26	25	21	13	13	19	14	25	12	11	22	21	24	23	24	23	26	23	25	13	10	4	-2	-14	-13	2	-3	-13	14.0
Grundy Center	8	MAX	50	55	53	60	68	30	31	24	38	28	39	40	38	42	27	43	52	35	46	46	36	35	30	23	22	9	4	5	13	10	-4	33.2
		MIN	24	24	21	35	23	18	11	11	18	18	25	10	10	20	20	26	23	22	22	19	22	23	12	8	0	-7	-13	-13	4	-4	-11	13.6
Iowa Falls	7	MAX	52	55	55	60	67	30	30	25	38	29	40	40	40	42	28	43	52	34	46	46	36	33	28	23	23	8	5	6	13	8	-6	33.2
		MIN	22	22	23	26	22	18	10	10	21	17	29	10	10	21	21	27	24	21	21	21	24	21	12	10	1	-6	-11	-12	3	-6	-12	13.5
Marshalltown	7	MAX	52	55	56	61	68	33	33	25	38	30	41	42	37	44	29	44	52	38	47	46	37	35	30	24	23	10	6	5	13	13	-4	34.3
		MIN	19	19	20	26	24	20	12	12	19	17	27	12	12	22	23	27	23	24	24	20	19	23	12	14	-1	-7	-11	-12	4	-4	-13	13.7
Marshalltown Airport	24	MAX	55	56	60	68	32	33	25	39	29	41	43	30	44	29	45	52	39	47	48	37	35	31	24	23	15	6	6	14	13	2	-6	32.7
		MIN	22	23	22	31	23	18	12	14	16	21	23	9	25	22	19	27	26	20	28	20	27	11	11	11	-2	-9	-14	3	2	-8	-22	13.9
Newton	7	MAX	52	54	53	59	67	35	33	25	37	27	43	44	34	45	29	43	51	38	48	47	39	35	29	23	21	11	5	5	14	14	-3	34.1
		MIN	21	21	26	26	25	23	13	13	15	18	27	12	12	24	24	25	27	23	23	23	23	24	14	14	6	-2	-10	-10	4	-3	-12	15.1



DECEMBER 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
Perry	7	MAX	54	56	57	63	68	36	33	27	39	39	46	44	46	47	33	46	53	38	50	47	39	32	27	24	22	11	6	8	19	15	-2	36.2
		MIN	23	24	23	27	23	23	13	12	19	16	26	13	12	24	24	30	24	24	25	20	19	20	13	13	3	-3	-13	-13	3	-2	-13	14.6
Toledo 3 N	7	MAX	50	54	55	59	66	32	32	24	36	28	40	42	36	43	28	42	51	38	46	46	36	34	30	22	22	10	4	4	12	13	-4	33.3
		MIN	24	25	23	28	24	19	11	11	16	17	26	11	10	20	20	25	25	24	24	20	20	24	12	11	3	-6	-13	-13	4	-5	-13	13.8
Webster City	7	MAX	53	55	54	60	67	31	33	27	38	31	43	42	41	42	30	45	50	34	48	45	39	32	28	25	21	7	7	6	14	9	-3	34.0
		MIN	20	21	25	27	22	19	10	11	14	14	28	10	9	18	20	26	21	18	19	18	24	19	12	9	1	-4	-14	-15	3	-3	-11	12.6
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	MAX	52	54	55	58	63	33	35	26	38	31	37	39	29	42	30	39	50	38	46	48	37	35	35	24	23	14	7	8	13	15	2	34.1
		MIN	23	23	24	24	27	22	17	15	16	17	21	17	16	15	15	25	27	28	29	25	25	29	16	14	7	-2	-6	-6	4	0	-5	16.2
Belle Plaine	7	MAX	52	56	56	59	68	34	34	26	37	30	41	42	37	45	28	44	53	40	48	48	40	35	32	25	23	12	7	8	13	14	-2	35.0
		MIN	19	19	19	31	24	21	14	10	14	15	26	14	12	16	19	19	32	24	22	23	21	27	15	11	2	-3	-13	-12	4	-2	-10	14.0
Bellevue Lock & Dam 12	6	MAX	52	55	51	56	65	32	35	26	38	29	34	34	27	41	31	38	47	37	46	48	31	36	35	25	23	13	7	9	13	16	3	33.3
		MIN	24	23	25	24	28	25	19	15	15	20	19	15	14	17	15	24	27	32	33	28	27	29	20	15	12	-3	-9	-9	4	3	-3	17.0
Cedar Rapids Airport	24	MAX	55	56	59	65	34	33	25	38	31	39	44	29	45	27	43	51	39	48	48	37	35	33	24	24	14	6	7	13	15	6	-1	33.0
		MIN	22	28	24	34	22	16	12	12	14	18	25	12	22	12	19	25	29	23	28	26	27	14	11	10	-3	-8	-13	3	5	-7	-22	14.2
Cedar Rapids #1	17	MAX	55	56	59	64	60	37	27	37	32	38	41	35	42	32	38	51	39	46	48	38	34	33	29	22	21	8	5	10	14	12	1	34.3
		MIN	20	26	21	52	24	19	13	16	23	19	24	12	24	11	22	28	26	27	34	23	26	29	14	13	2	-4	-10	-2	10	-7	-9	17.0
Clinton #1	18	MAX	54	56	59	63	64	34	28	36	34	34	40	32	43	31	35	49	43	45	49	40	35	34	32	21	19	5	4	9	14	12	6	34.2
		MIN	21	26	22	51	26	21	15	15	22	18	19	14	23	18	22	31	28	32	36	23	26	30	17	16	4	-4	-11	-3	9	-6	-7	17.9
Coggon	6	MAX	49	54	51	60	63	30	31	23	35	28	35	37	30	40	27	38	49	36	44	45	33	33	32	23	21	11	3	2	12	13	-2	31.8
		MIN	18	18	19	20	24	18	13	12	14	16	16	13	11	10	9	23	25	27	28	19	22	27	14	9	2	-5	-13	-10	2	-2	-8	12.6
Davenport Airport	24	MAX	54	56	60	65	37	34	26	37	31	38	43	27	45	28	37	50	45	48	50	38	36	36	27	21	14	5	4	12	15	11	2	33.3
		MIN	24	30	24	38	25	19	16	15	18	20	23	16	25	19	22	28	29	33	31	27	27	27	13	10	0	-9	-14	0	8	-6	-14	16.9
Iowa City	7	MAX	53	55	56	59	66	34	33	26	38	32	40	45	33	46	28	42	51	41	49	49	39	34	34	25	24	17	8	7	13	15	2	35.3
		MIN	19	20	21	22	26	23	16	13	14	17	23	15	14	17	16	22	24	24	29	31	28	31	16	16	5	1	-7	-8	5	2	-9	15.7
Iowa City Airport	24	MAX	56	57	61	68	37	34	27	40	33	41	46	30	47	28	45	52	41	51	50	41	36	35	27	25	17	9	9	14	17	10	2	35.0
		MIN	23	26	24	37	26	22	16	16	19	21	29	16	27	15	22	25	29	30	32	29	31	23	17	12	4	-5	-7	4	9	-4	-13	17.9
Le Claire L & D 14	6	MAX	53	52	57	58	64	34	36	27	38	30	37	43	31	46	28	37	49	45	46	50	38	37	37	27	22	15	7	5	14	15	3	34.9
		MIN	30	30	30	31	26	26	17	17	19	21	25	19	16	23	21	24	30	31	31	30	28	30	19	17	11	-1	-7	-7	3	3	-5	19.0
Lowden	24	MAX	55	61	60	65	37	36	27	39	32	38	42	28	45	30	38	53	42	49	49	38	35	36	26	24	15	9	7	12	16	9	5	34.1
		MIN	18	23	20	37	25	19	14	14	14	16	23	15	25	12	22	26	26	29	26	22	27	22	13	11	-1	-9	-11	1	9	-7	-16	15.0
Maquoketa 4 W	7	MAX	51	53	53	58	64	31	33	25	36	29	34	37	29	42	28	36	48	37	45	47	33	35	34	24	21	12	3	4	12	13	0	32.5
		MIN	20	21	19	19	25	18	14	11	13	16	16	14	12	17	14	24	26	29	29	22	23	28	14	12	4	-6	-13	-13	1	0	-9	13.5
Muscatine	6	MAX	53	55	56	60	66	35	34	26	39	32	40	45	29	46	28	41	53	43	50	50	40	37	36	25	23	16	8	6	12	15	4	35.6
		MIN	23	22	23	23	26	25	16	12	15	22	22	17	15	19	19	21	28	28	34	31	29	32	17	16	5	1	-10	-10	4	3	-8	16.8
Vinton	7	MAX	49	53	52	58	64	30	32	23	36	27	36	39	33	41	25	39	49	35	45	45	35	32	30	20	22	10	4	4	11	12	-4	31.8
		MIN	21	22	20	24	21	16	10	10	14	16	23	10	9	11	11	18	25	23	24	21	20	26	11	10	-3	-6	-13	-13	2	-5	-10	11.9

DECEMBER 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		
Williamsburg 1 E	7	MAX	51	55	56	60	67	33	32	25	37	30	40	42	33	44	29	42	52	40	51	48	40	35	32	25	22	13	6	5	13	14	2	34.6		
		MIN	20	20	21	23	25	21	14	13	13	16	25	13	12	12	13	21	25	27	27	20	21	29	15	12	3	-1	-13	-13	4	-2	-17	13.5		
SOUTHWEST DIVISION																																				
Atlantic 1 NE	7	MAX	55	57	61	64	65	39	41	26	40	32	50	46	43	49	36	47	55	41	51	49	47	39	29	25	22	13	8	8	19	16	2	37.9		
		MIN	18	21	21	23	22	23	11	11	19	16	25	12	11	28	27	26	27	18	26	16	16	20	11	15	1	-7	-16	-16	3	1	-19	13.2		
Bedford	7	MAX	54	56	61	65	68	42	44	24	38	31	50	49	42	54	38	44	54	42	52	52	43	40	28	22	21	15	7	10	22	23	6	38.6		
		MIN	29	29	30	31	21	21	12	12	19	19	29	12	12	28	28	30	31	30	31	25	26	22	14	16	4	-4	-13	-13	6	4	-13	17.0		
Clarinda	6	MAX	54	56	60	65	67	42	45	28	39	38	52	49	46	53	39	48	53	39	50	52	45	42	29	23	21	17	8	17	22	20	5	39.5		
		MIN	21	21	24	30	23	22	14	12	18	16	22	13	14	31	26	21	24	25	25	23	26	23	15	17	3	-4	-15	-15	11	3	-10	15.5		
Corning 1 W	7	MAX	53	55	58	64	67	40	42	25	38	29	50	47	40	51	36	45	52	37	49	50	44	39	28	22	22	15	7	9	21	17	2	37.2		
		MIN	28	27	26	26	22	21	12	12	18	20	27	13	12	28	26	30	30	28	29	24	24	22	14	16	3	-4	-15	-15	8	1	-12	16.2		
Greenfield	8	MAX	53	54	59	63	66	36	41	25	38	29	50	45	44	47	31	44	54	34	49	48	44	36	28	23	20	13	6	7	19	14	0	36.1		
		MIN	27	30	30	35	21	21	10	12	17	17	28	10	11	24	25	30	27	23	28	22	24	20	13	14	4	-5	-13	-10	5	-3	-15	15.5		
Oakland	7	MAX	53	55	57	62	62	40	41	25	36	33	49	45	45	48	37	46	52	38	51	46	43	39	25	20	20	12	4	8	20	15	1	36.4		
		MIN	28	28	29	34	22	22	11	10	19	21	31	13	13	28	28	30	28	19	23	21	22	18	16	15	5	-2	-12	-12	7	0	-12	16.2		
Red Oak	7	MAX	56	57	60	65	66	43	44	28	40	35	52	49	41	53	39	48	55	38	51	51	46	41	28	24	22	16	9	11	23	19	4	39.2		
		MIN	23	24	25	26	22	22	13	12	21	20	24	14	14	31	29	29	26	26	28	22	27	22	17	18	2	-4	-15	-15	10	3	-10	16.3		
Shenandoah	8	MAX	55	57	60	65	65	43	44	27	39	35	54	50	47	53	39	48	54	35	52	52	45	42	28	22	20	16	9	12	24	20	4	39.2		
		MIN	24	25	26	28	22	24	12	13	23	20	23	16	16	32	30	27	29	24	27	23	27	22	17	15	1	-2	-17	-13	12	3	-10	16.7		
Sidney 1 SSE	7	MAX	54	56	57	62	63	45	42	25	37	35	52	48	48	52	40	48	51	33	50	49	42	40	26	20	19	14	7	10	22	17	2	37.6		
		MIN	31	33	33	33	21	20	11	11	19	24	33	14	13	31	28	28	30	27	28	22	23	19	16	15	9	-1	-12	-12	8	1	-9	17.6		
SOUTH CENTRAL DIVISION																																				
Albia 3 NNE	7	MAX	54	55	57	62	68	37	38	27	40	29	46	47	35	49	30	43	53	40	50	49	42	38	29	23	23	17	10	5	15	15	4	36.5		
		MIN	32	33	30	32	24	24	14	15	19	19	28	14	13	25	25	24	30	30	31	24	23	27	16	16	6	1	-11	-12	4	-2	-12	17.5		
Allerton	8	MAX	53	54	57	61	68	39	41	26	38	28	48	47	32	51	32	43	52	43	51	50	44	36	27	21	22	16	7	6	17	17	3	36.5		
		MIN	25	25	30	32	23	22	13	12	14	17	25	13	12	26	24	24	29	32	30	26	24	25	16	16	6	1	-11	-12	6	1	-11	16.6		
Beaconsfield	7	MAX	53	55	59	62	67	40	41	25	38	29	49	47	33	50	32	44	52	43	50	51	44	38	29	21	20	15	6	8	19	17	1	36.7		
		MIN	27	31	32	32	20	20	11	11	17	18	27	12	11	26	26	28	29	28	28	24	24	22	15	15	3	-5	-14	-14	7	-1	-13	16.0		
Centerville	7	MAX	53	55	60	63	69	38	41	28	39	28	47	47	34	51	32	44	54	43	52	52	48	36	29	23	23	18	10	9	16	18	4	37.5		
		MIN	19	19	25	35	25	25	16	14	17	16	23	15	14	26	23	21	26	30	33	24	21	27	17	17	5	1	-16	-16	1	1	-11	15.9		
Chariton 1 E	7	MAX	53	55	58	62	68	38	41	27	38	28	47	46	34	50	32	44	52	38	50	49	44	37	28	23	23	16	9	5	17	16	2	36.5		
		MIN	20	21	26	26	25	23	14	14	15	13	22	14	14	25	21	21	23	30	30	16	16	24	16	16	3	0	-16	-15	1	0	-11	14.4		
Creston 2 SW	7	MAX	32	55	59	62	66	37	40	24	39	29	49	44	37	48	35	44	52	37	49	48	44	38	27	21	20	14	4	7	19	16	1	35.4		
		MIN	28	31	31	35	20	21	11	11	17	19	25	10	10	25	26	29	30	28	28	24	24	21	14	16	3	-5	-14	-14	6	0	-11	16.1		
Indianola 4 W	7	MAX	54	57	59	64	70	37	36	26	37	33	48	45	39	48	33	45	54	39	50	50	43	37	29	25	23	14	7	8	19	19	2	37.1		
		MIN	27	27	27	33	23	25	14	13	17	17	27	13	14	26	26	30	28	27	29	27	27	24	14	15	4	-4	-16	-16	3	-1	-13	16.4		
Knoxville	8	MAX	52	55	57	62	68	36	34	26	38	28	44	45	39	46	30	44	53	37	49	48	41	37	30	24	24	15	9	6	17	15	0	35.8		
		MIN	33	32	30	37	24	25	13	14	22	19	27	13	13	24	24	28	28	28	30	25	27	24	16	15	7	1	-10	-9	4	-2	-11	17.8		

DECEMBER 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	
Lamoni	7	MAX	54	56	60	63	70	40	43	27	39	30	50	48	36	51	34	44	55	44	52	51	46	39	29	23	22	16	7	8	22	19	3	38.1	
		MIN	29	30	31	35	23	22	13	13	16	20	30	14	14	27	26	30	30	31	30	27	26	24	17	17	6	-2	-11	-10	8	1	-11	17.9	
Lamoni Airport	24	MAX	54	60	61	69	41	44	27	39	31	51	49	35	52	34	44	53	45	51	53	46	41	30	23	21	17	8	6	19	19	8	1	36.5	
		MIN	31	32	36	30	23	20	13	14	19	20	23	12	28	27	29	31	34	31	31	26	30	20	17	11	4	-9	-13	5	8	-2	-16	18.2	
Mount Ayr	8	MAX	53	54	58	65	68	39	41	25	38	30	50	47	42	49	38	43	51	43	49	49	43	38	28	21	19	14	6	9	19	18	1	37.0	
		MIN	32	24	29	33	21	20	12	11	19	15	29	11	18	26	21	26	26	29	27	26	29	22	14	15	1	-4	-16	-14	7	0	-12	16.0	
Osceola	8	MAX	54	55	58	62	68	36	40	27	40	29	49	45	38	50	33	45	54	39	50	51	47	38	29	23	22	15	9	8	20	17	1	37.2	
		MIN	20	19	24	24	24	24	13	13	16	15	26	13	14	26	26	30	25	29	30	18	18	23	16	16	3	-5	-15	-13	8	0	-11	15.1	
Rathbun Dam	7	MAX	53	55	58	62	68	38	41	26	39	29	46	46	34	51	32	44	53	43	51	50	44	36	28	23	23	17	10	6	16	16	4	36.8	
		MIN	22	22	28	33	24	24	15	14	18	17	27	15	15	25	25	26	30	30	31	26	25	26	17	16	5	1	-7	-11	5	0	-12	17.2	
SOUTHEAST DIVISION																																			
Burlington Airport	24	MAX	54	59	62	67	39	39	28	38	34	44	48	32	49	30	43	53	48	52	53	44	40	37	29	22	19	9	6	14	16	14	3	36.3	
		MIN	26	32	30	39	25	25	15	15	18	19	27	17	26	20	25	31	33	40	35	26	33	29	18	11	6	-8	-11	2	5	-3	-12	19.2	
Donnellson	7	MAX	54	55	61	63	67	38	40	28	41	34	44	49	34	48	31	43	55	46	53	52	44	41	34	28	22	20	11	8	13	18	5	38.1	
		MIN	25	25	29	29	28	28	18	17	16	20	26	17	15	17	19	25	33	39	37	24	24	33	17	17	8	3	-10	-9	5	3	-8	18.4	
Fairfield	8	MAX	52	55	55	61	67	36	37	27	39	32	42	47	36	47	30	42	52	43	51	50	42	36	31	24	23	17	10	8	16	18	6	36.5	
		MIN	25	29	27	31	28	28	17	18	22	21	27	16	17	20	22	27	29	31	32	27	29	31	17	17	9	3	-11	-11	7	4	-11	18.6	
Fort Madison	24	MAX	51	55	59	64	39	40	29	38	32	43	49	33	48	33	42	53	44	49	52	41	40	40	29	24	22	11	9	15	17	15	4	36.1	
		MIN	27	31	30	38	29	27	19	18	23	23	31	19	29	22	27	33	32	33	35	29	33	28	19	14	7	-3	-6	3	7	-3	-11	20.7	
Keokuk Lock & Dam 19	6	MAX	54	55	59	63	67	41	41	30	40	33	45	51	34	51	31	44	57	48	54	50	44	42	36	28	25	23	11	8	15	18	7	38.9	
		MIN	29	28	32	33	30	30	22	19	20	22	25	22	20	20	25	28	33	38	39	32	31	34	22	20	11	6	-3	-4	6	7	-3	21.7	
Keosauqua	7	MAX	53	54	52	62	67	36	40	25	40	32	44	49	32	48	30	43	54	44	52	51	43	37	31	25	22	19	8	8	14	17	3	36.6	
		MIN	21	22	25	25	26	26	17	15	15	18	24	17	17	23	22	22	28	33	33	23	23	30	16	17	2	-5	-13	-14	1	3	-14	16.1	
Mount Pleasant 1 SSW	7	MAX	52	54	58	62	66	39	37	27	41	32	42	47	31	47	30	43	54	45	51	51	44	41	33	25	21	17	9	5	12	16	3	36.6	
		MIN	22	21	27	25	26	26	16	12	14	19	23	15	15	17	17	23	31	32	38	25	25	31	16	16	8	0	-12	-12	2	2	-9	16.5	
Oskaloosa	7	MAX	52	55	57	61	68	36	35	26	39	29	44	46	36	46	28	44	52	39	51	50	42	36	29	22	23	12	8	5	14	15	1	35.5	
		MIN	25	29	27	27	23	24	15	13	19	19	27	13	12	23	22	24	28	26	29	25	23	26	13	14	5	0	-13	-13	3	0	-12	16.0	
Ottumwa Airport	24	MAX	56	57	62	69	37	38	27	40	31	46	49	33	49	29	45	54	42	51	52	43	37	32	24	24	17	10	6	16	16	9	0	35.5	
		MIN	25	28	26	34	26	23	15	15	17	18	28	15	28	24	21	30	30	30	26	24	32	18	14	8	3	-6	-11	2	1	-4	-16	16.9	
Sigourney	8	MAX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	41	32	28	26	20	14	8	6	13	15	2	M	
		MIN	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	27	27	14	14	0	0	-15	-15	2	0	-17	M	
Washington	7	MAX	53	54	58	60	65	35	35	28	39	33	43	45	33	46	29	42	53	39	50	53	40	35	32	25	22	16	9	8	13	14	2	35.8	
		MIN	20	20	22	22	26	25	14	14	16	19	24	14	14	14	14	23	24	29	32	23	23	31	15	15	5	-1	-11	-11	1	0	-12	15.0	
SUPPLEMENTAL STATIONS																																			
Moline Airport	24	MAX	55	58	61	67	40	36	28	40	33	41	46	31	47	29	39	52	45	50	52	40	39	39	30	24	17	9	7	13	17	14	6	35.6	
		MIN	22	25	22	40	29	22	16	15	19	20	23	18	28	23	26	24	24	36	31	29	29	30	18	16	3	-2	-7	2	8	-3	-11	18.5	
Omaha Eppley AP	24	MAX	58	59	60	63	44	45	28	37	37	54	49	41	52	42	49	53	37	55	50	46	43	28	23	23	14	6	7	25	18	6	-1	37.1	
		MIN	29	25	32	29	26	18	11	17	24	25	25	14	28	33	31	29	27	24	26	22	24	15	15	12	2	-5	-9	7	6	-1	-14	17.6	
Sioux Falls WFO AP	24	MAX	50	56	55	50	29	30	24	31	29	43	41	42	47	37	42	46	40	50	43	37	32	23	18	19	7	-2	8	15	8	-1	-9	30.3	
		MIN	24	20	21	23	15	12	3	22	23	28	15	12	30	28	29	27	21	26	20	23	12	-3	7	0	-7	-15	-18	4	-1	-11	-20	11.9	

DECEMBER 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	
NORTHWEST DIVISION																																		
Akron	7	0.42					0.05								T									0.10						0.03	I	0.15	0.09	
Cherokee	8	0.33					T	0.02	T						T	T	T	T						0.03		T				0.04	T	0.19	0.05	
Emmetsburg	8	0.27					T		I			T			T	T	T							0.03						0.04	0.02	0.14	0.04	
Estherville Airport	24	M				0.12	T	T			T		T		T	T	T			T			M	T	T	T			M	M	M	M		
Estherville 4 E	7	0.29					0.05	I	I			I			I		I							0.03						0.06	0.01	0.12	0.02	
Everly 3 WNW	7	0.31					0.07		T								T	0.02						0.04			T			0.03	T	0.12	0.03	
Hawarden	7	0.44					0.20																	0.05						0.01	0.04	0.10	0.04	
Le Mars	7	0.25					0.03	I	I							I	I							0.01		I	I			0.02	I	0.16	0.03	
Orange City	7	0.26					0.04	T							T		0.01	T			T			T			T			0.01	T	0.17	0.03	
Pocahontas	8	0.43								0.01						I		0.01						0.05		0.01				0.07	0.04	0.20	0.04	
Primghar	16	0.32					0.05	I								I	I						I	0.04			I			0.03	0.16	I	0.04	
Remsen #2	7	0.24					0.04																	0.01						0.01	T	0.16	0.02	
Rock Rapids	8	0.57					0.15																	0.14						0.05	I	0.20	0.03	
Rock Valley	7	0.40					0.05	T									T	T						0.11						0.03	T	0.07	0.14	
Sanborn	8	0.43					0.10									T	T	T						0.08			T			0.03	T	0.18	0.04	
Sheldon	7	0.64					0.11	T							T		0.01	T						0.08			T			0.05	0.03	0.28	0.08	
Sibley	7	0.48					0.12																	0.13			0.01			0.04	0.01	0.15	0.02	
Sioux Center 2 SE	16	0.26					T	0.09	T					T		T	T						0.02	T						0.02	0.10	T	0.03	
Sioux Rapids 4 E	22	0.28					0.03	T	T		0.01	T		T		T	T	T					0.09			T			T	T	0.14		0.01	
Spencer Airport	24	M					0.04	T	T		T	T		T		0.01	T						M	T	T	T			M	T	M	M	T	
Spencer 1 N	24	0.29					0.06	T	T		T	T		T		T	T	T					0.07	T	T	I			0.05	T	0.08	0.03	I	
Spirit Lake 4 W	24	0.33					0.11	T	T		T			T		T	T	T					0.07			T			0.02	I	0.11	0.01	0.01	
Storm Lake	8	0.42					T	0.03	T							T	T	T						0.07		0.03				0.03	0.04	0.16	0.06	
Washta	7	M					0.03	T																M		M				M	M	0.04	0.02	
NORTH CENTRAL DIVISION																																		
Algona 3 W	7	0.36					0.01			T	T						T							0.05		0.01				0.02	0.02	0.23	0.02	
Allison	7	0.27								T					T									0.03		0.05				0.03	0.03	0.13	T	
Britt	7	0.31					T	T	T							T	T							0.05		I				0.03	I	0.23	I	
Charles City	7	0.19					T	T		T		T			0.04	T	T	T	T					0.01		T	0.01	T		0.02	0.02	0.09	T	
Clarion	7	M							T	T		I					0.01	I						0.05		M	I			0.10	M	M	M	
Dakota City	8	0.35					T	T	T	T	T	T			T		0.02	T						0.04		0.03				0.06	0.01	0.15	0.04	
Forest City 2 NNE	7	0.17						T		T						T		I	T	T		T		0.03		I				0.05	T	0.09	I	
Hampton	7	0.43								I														0.05		0.03				0.03	0.02	0.27	0.03	
Kanawha	8	M						I	I	I						I		0.01	I					M		M				M	M	0.20	M	
Lake Mills	7	0.41					T	0.09		0.02					0.02			T						0.10		T				0.04	T	0.14	T	
Mason City	7	0.26					T	T		T		I	I		T		T	T						0.05		0.01	I			0.05	0.02	0.13	T	
Mason City Airport	24	0.28					0.01	T	T			T		0.01		T		T			T		0.03	T		T	T		T	0.07	0.16		T	
Nashua 2 SW	7	0.28			T					T					0.06									0.03		0.05				T	0.01	0.13	T	
Northwood	7	M					T	0.03		0.01					0.03	T	T	I						M		M				M	M	M	I	
Osage	7	0.31						T		T		T			0.09		T	T						0.04		T				0.03	0.01	0.14	I	
Saint Ansgar	6	0.36						T		T		T		T	0.07		T	T		T				0.06			T			T	0.08	0.15	T	
Swea City 4 W	7	0.45					0.05		T			T			T		T							0.16						0.06	T	0.18	T	
NORTHEAST DIVISION																																		
Cascade	7	0.39					0.03	0.02		T		T			0.07						T						0.04	0.03			T	0.04	0.16	T
Cresco 1 NE	7	0.39					0.05	T	T	0.02		0.02			0.14		T	T	T					0.02						0.02	0.04	0.08	I	
Decorah	16	0.51					0.22	0.05	I	I		0.01		0.12				0.01						T		0.02	T			0.04	0.04	I	T	
Dubuque Lock & Dam 11	6	0.61					0.11	0.10		I		0.03				0.08				0.04						0.01	0.10			I	0.08	0.06	I	
Dubuque Airport	24	0.71					0.16			T		T		0.23					0.01				0.01			0.08	T		0.09	0.12			0.01	
Elkader 6 SSW	7	0.45					0.12	0.03		T		T	T		0.10				T					0.01		T	0.04	0.04	T	0.02	0.04	0.05	T	
Fayette	7	0.43					T	T		T		T			0.11				0.05					T		T	0.03			T	0.11	0.13	T	
Guttenberg L & D 10	6	0.38					0.10			0.01		0.02			0.07													0.06		I	0.03	0.09	I	
Ionia 2 W	7	0.21								T					0.02			T	T					0.01		0.04	T			T	0.02	0.12	T	
Manchester #2	7	0.44					0.02	0.07	T	T		T			0.04				T		T			0.01		0.05	0.04			0.01	0.06	0.14	I	
New Hampton	8	0.32					T			T					0.10			I	0.02					0.02		0.04				0.02	0.03	0.09	T	
Oelwein 1 E	7	0.29					T	T	T	T		T			0.01				0.01		T			T	T	T	0.10			T	T	0.17	T	
Postville	7	0.24					0.07			T		T	T		0.06									T		T	T	0.02		T	0.06	0.03	T	
Stanley 3 WSW	7	0.23					0.02	0.01		T		T	T		0.01				T					T	T	0.01	T	T		0.02	0.05	0.11	T	
Strawberry Point	7	0.46					0.07	0.06		T		T	T		0.07				T		T			T		0.04	0.05			T	0.06	0.11	T	

DECEMBER 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																																
Tripoli	7	0.30					T		T		T			0.03				T						0.04	T	0.04	0.03			T	0.03	0.13		T																															
Waterloo Airport	24	0.46					T	0.01	T	T	T		0.03				T							0.02		0.10	T			0.07	0.20			0.03																															
Waukon 4 SW	7	0.46				0.28		T	T		0.01			T	0.08			T						I	T		0.01			0.01	0.05	0.02		I																															
WEST CENTRAL DIVISION																																																																	
Audubon	8	0.29															T				T			T	0.05		0.13				0.05	T	T	0.06																															
Battle Creek 3 NE	8	0.33					T	T								T	T			T				0.13		0.03				0.08	T	0.04	0.05																																
Carroll	7	0.69							T																0.06		0.10			0.05	0.05	0.11	0.32																																
Castana Exp. Farm	8	0.49					T	0.01									T							0.11	0.11				0.15	I	0.01	0.10																																	
Denison	7	0.50					T		T								0.02							T	0.08	0.08			0.12	T	0.05	0.15																																	
Guthrie Center	8	0.21																						0.03	0.04				0.06	T	0.05	0.03																																	
Holly Springs 1 NW	7	0.28					T																	0.04	0.06		T			0.08	I	0.03	0.07																																
Holstein	7	0.41					T	0.01																T	0.11	0.03				T	0.07	0.07	0.11	0.07																															
Little Sioux 2 NW	7	0.54					T	0.02	0.02								T							T	0.15	0.15			T	0.10		T	0.10																																
Logan	8	0.38								I															0.18	0.10				0.04		T	0.06																																
Mapleton #2	7	0.47						T																	0.13	0.09			0.10	I	0.03	0.12																																	
Rockwell City	7	0.29				T																			0.03	0.05			0.05		0.11	0.05																																	
Sac City	7	0.31				I																			0.05	0.07				0.06	I	0.08	0.05																																
Sioux City Airport	24	0.39				0.01	T	0.01					T		T	T								0.04	0.01	T	0.05			0.09	0.01	0.03	0.14	T																															
CENTRAL DIVISION																																																																	
Ames Airport	24	M				T	T	T					T		0.03									M	M		M			M	M	M	M	M																															
Ames 8 WSW	16	0.31					I	T	I				T		0.03						0.01			I	0.03		0.06			0.03	0.08	0.01	0.06																																
Ames 5 SE	6	0.28						T	T					T			T	T						T		0.03	0.01		0.04	0.04	0.11	0.05																																	
Ankeny	8	0.33							T							0.01	I				T			T	0.01		0.16	0.03	0.04	0.01	0.01	0.06																																	
Boone	8	0.53						T	T					T		0.02	T							T	0.11		0.10	0.02	0.04	0.01	0.14	0.09																																	
Brooklyn	7	0.41				0.06										0.03										0.05	0.02			T	0.05	0.18	0.02																																
Clutier	7	0.36				0.02			I					0.07				T							T		0.04	0.01		0.01	0.17	0.04																																	
Des Moines Airport	24	0.42				T	T	T			T		T		0.02		T		0.02				0.01	T	T	0.15			0.06	0.04	0.05	0.03	0.04																																
Des Moines Camp Dodge	24	0.31				T	T	T	T				T		0.02	T	T		T	T			T	T		0.08			0.05	0.03	0.07	0.04	0.02																																
Eldora	7	0.29						T	T					0.01			T	T							T		0.08	T		0.02	0.02	0.12	0.04																																
Fort Dodge 5 NNW	7	0.50				T	T		T	T	T			T		T	T						T	0.05	T	0.05	I		T	0.15	T	0.20	0.05																																
Gilman	7	0.41							I								I								I		0.07	0.03		0.01	0.05	0.15	0.10																																
Grinnell 3 SW	7	0.35				0.02		T						T		0.04										T	0.02	0.02		0.02	0.04	0.14	0.05																																
Grundy Center	8	0.35							T					0.03			T								T		0.06	0.02		T	0.03	0.19	0.02																																
Iowa Falls	7	0.23						T	T		T	T			T		T						T	0.01		0.06	I		0.02	0.02	0.10	0.02																																	
Marshalltown	7	0.46						T	T						0.01		0.01	T						0.02		0.07	0.02		0.02	0.03	0.23	0.06																																	
Marshalltown Airport	24	M				T	T	T	T				0.01		0.01					T			T	M		0.05			M	M	M	M	M																																
Montezuma 1 W	7	0.26															T							T		0.11	T		T	0.03	0.09	0.03																																	
Newton	7	0.21							T						0.01	T								T		0.06	T		0.04	0.02	0.06	0.02																																	
Perry	7	0.33						0.01							0.02									0.02		0.03	0.01		0.06	T	0.06	0.12																																	
Toledo 3 N	7	0.30				T	T		T				0.02			T	T	T		T				T		0.02	0.02		T	0.03	0.18	0.03																																	
Webster City	7	0.38							I					T		0.02	T							T	0.05		0.04	I		0.08	0.02	0.15	0.02																																
Zearing	7	0.34						T	I																T		0.07	I		0.04	0.03	0.15	0.05																																
EAST CENTRAL DIVISION																																																																	
Anamosa 3 SSW	6	0.37				0.02	0.05		T		T			0.03		T	T	T		0.01					T		0.03	0.04		T	0.04	0.14	0.01																																
Belle Plaine	7	0.34					0.06		T					0.04		I										0.03	0.01		T	0.03	0.14	0.03																																	
Bellevue Lock & Dam 12	6	0.57				0.01	0.06				0.03			0.20							0.02							0.10		0.04	0.11		I																																
Cedar Rapids Airport	24	M			T	0.12	T	T	T	T			0.03		0.01		T		T				0.02			0.04	T			M	M	T	M																																
Cedar Rapids #1	17	0.62			0.27	T		T		T			0.02		T		T		T	0.02				T	T		0.04			0.03	0.22	T	0.02																																
Clinton #1	18	0.84				T	0.30		T		0.02		0.06		T		T		0.01					0.04		0.14	T		0.04	0.20	0.01	0.02																																	
Coggon	6	0.37			0.04	0.03		I		I				T				T							T		0.09		T	0.05	0.16	T																																	
Davenport Airport	24	0.53			0.18			T	T	T	T		0.01		T	T	T		0.03	T			0.01	T		0.10			0.04	0.16	T	T																																	
De Witt	8	0.66			0.02	0.26					T			0.02							T			0.05		T	0.08		T	0.03	0.18	0.02																																	
Iowa City	7	0.91				0.30			I					0.03		0.01					0.03			0.10		0.01	0.11		0.01	0.05	0.23	0.03																																	
Iowa City Airport	24	M			0.20			T	T	T			0.03		0.01		T		0.03				0.07	T		0.05			M	0.19	T	M																																	
Le Claire L & D 14	6	0.50				0.04				0.01			0.01							0.03				0.02		0.03	0.11		I	0.03	0.20	0.02																																	
Lowden	24	0.83			0.31	T	T	T	T	T			0.04				T		0.02	0.01			0.04	T		0.12	T		0.05	0.22		0.02																																	
Maquoketa 4 W	7	0.31				T	0.01		T	T	T			0.02			T			0.02				0.01		T	0.06		T	0.05	0.14	T																																	
Monticello	7	0.71				0.03	0.37		T		I			0.01												0.04	0.05			0.01	0.04	0.15	I																																

DECEMBER 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		
			DAY OF MONTH																																
Muscatine	6	0.86					0.25							0.03						0.03				0.03		0.08	0.05			0.01	0.04	0.28	0.06		
Muscatine 2 N	7	0.62				0.02	0.10					T		0.02		T				0.02				0.04	0.03	0.08				T	0.04	0.24	0.03		
Swisher	7	0.72				T	0.18		T					0.04		T	T			I			0.03		T	0.08		T	0.04	0.11	0.22	0.02			
Vinton	7	0.43					0.02	I	I					0.03									I		0.04	0.04			0.01	0.03	0.24	0.02			
Williamsburg 1 E	7	0.79					0.24		T							I				0.03				0.07		0.03	0.05			I	0.10	0.24	0.03		
SOUTHWEST DIVISION																																			
Atlantic 1 NE	7	0.36							T								T			0.01			T	0.10		0.15	T		0.06	T	T	0.04			
Bedford	7	0.49						0.03						T						0.25				0.03	0.14		0.02		I		T	0.02			
Clarinda	6	0.41							T										T	0.14				0.13	0.14			T	I		T	T			
Corning 1 W	7	0.29																		0.04				0.01	0.22				0.02		T	T			
Glenwood	7	M				I			I										0.01	0.13			M	M	M	M	M	M	M	M	M	M			
Greenfield	8	0.43																		0.01				0.11	0.20				0.06		T	0.05			
Hastings 4 NE	8	0.29				T			T										0.01	0.01				0.03	0.24		T		T		T				
Massena	7	0.36						0.03												T				0.08	0.17	I			0.03	0.01	T	0.04			
Oakland	7	0.32				T			T											0.01				0.11	0.14	T			0.04	0.01	T	0.01			
Randolph	8	0.43							I										0.02	0.03				0.10	0.28			T	T	T					
Red Oak	7	0.36							T						T					0.04				0.06	0.23	T	T		0.03		I	T			
Shenandoah	8	0.53							I										0.05	0.05				0.16	0.26		0.01		T		T	T			
Sidney 1 SSE	7	0.29							T										0.07	0.02				0.02	0.18			T	T		T				
Underwood	7	0.41							T														T	0.11	0.25		T	0.03			T	0.02			
SOUTH CENTRAL DIVISION																																			
Albia 3 NNE	7	0.52														T	T			0.08				0.07		0.20	T		0.05	0.08	T	0.04			
Allerton	8	0.50					T		T					T						0.05				0.13	T	0.23	0.01	T	0.03	0.04	T	0.01			
Beaconsfield	7	0.41																		0.05				0.05	0.27				0.03	0.01	T	T			
Centerville	7	0.83					0.27													0.09				0.01	0.30	I	I		0.03	0.10	I	0.03			
Chariton 1 E	7	0.43																		0.05				0.04	0.22	0.02	I		0.04	0.02	I	0.04			
Creston 2 SW	7	0.59							I											0.08				0.01	0.28	0.02	T		0.10	0.05	T	0.05			
Indianola 4 W	7	0.38														0.01				0.05				0.01	0.20	I			0.03	0.01	0.01	0.06			
Knoxville	8	0.42														0.01				0.03				0.06	0.17	0.02			0.05	0.02	0.02	0.04			
Lamoni	7	0.41							T					T						0.06				0.05	0.27	T	0.01		0.01	T	T	0.01			
Lamoni Airport	24	0.47				T		0.02	T				T						0.06				0.07		0.08	0.20	0.01	T	0.01	T	T	0.02			
Lorimor	8	0.42																		0.06				0.02		0.21	I		0.06	I	I	0.07			
Mount Ayr	8	0.39							T											0.07			T	0.04	0.25		T		0.01	T	T	0.02			
Osceola	8	0.34																		0.07				0.02	0.15	0.05			0.03	0.01	T	0.01			
Pella 1 S	7	0.38														0.01				0.02				0.04	0.16	0.03			0.03	0.03	0.03	0.03			
Rathbun Dam	7	0.41																		0.07				0.06		0.14	0.07		0.04	0.06	T	0.03			
Winterset 1 S	7	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			
SOUTHEAST DIVISION																																			
Bloomfield 1 WNW	7	0.49					0.02													0.03				0.02		0.22	I			0.03	0.15	T	0.02		
Brighton	7	M					T							T						0.06				0.03	0.13	0.04		M	M	M	M	M			
Burlington Airport	24	0.35				T			T				0.01		0.01				0.01	T					0.21		T	T	0.06	0.02	T	0.03			
Donnellson	7	0.42					0.01							0.02		T				0.09				0.02	T	0.17	0.04	T	0.04	0.02	T	0.01			
Fairfield	8	0.58					0.20								T		T			0.05				0.01	0.15	0.03			0.03	0.08	T	0.03			
Fort Madison	24	0.35				0.13							I		I				0.08	T					0.06			0.01	0.05	I		0.02			
Keokuk Lock & Dam 19	6	0.81					0.49							0.01						0.03					0.16	0.07	I		0.02	0.02	I	0.01			
Keosauqua	7	0.36							T											0.03					T	0.22	I		0.03	0.05	T	0.03			
Mount Pleasant 1 SSW	7	0.43					0.05							0.01		0.02				0.05				0.03	0.12	0.04			0.02	0.05	0.01	0.03			
Oskaloosa	7	0.58					0.14									0.02				0.06				0.10	T	0.14	I		0.03	0.05	T	0.04			
Ottumwa Airport	24	0.70				0.34		T	T				T		0.02				0.03				0.02		0.15	T	T	T	T	0.10	T	0.04			
Ottumwa 5 W	7	0.44					0.12		T					T		0.02	T			0.07				0.10	T	0.08	T	T		T	0.02	0.03			
Salem 1 S	7	0.37												0.01		T				0.07				0.01		0.12	0.03		0.03	0.08	T	0.02			
Sigourney	8	0.72				T	0.19							I		0.01				0.05				0.11	T	0.11	T		0.05	0.11	0.05	0.04			
Washington	7	0.53				T	0.08		T					T						0.02				0.06	T	0.08	0.05		0.01	0.06	0.14	0.03			
SUPPLEMENTAL STATIONS																																			
Moline Airport	24	0.52					0.03		T		T		0.01						0.01							0.17			0.04	0.23	T	0.03			
Omaha Eppler AP	24	0.42				T		0.01											T				0.14	T	0.07	0.16	T		0.03	T	T	0.01	T		
Sioux Falls WFO AP	24	0.71				0.07	T	T		T			T		T	T							0.31	T	T	T		0.04	T	0.20	0.08	0.01			

DECEMBER 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																																		
Akron	7	SNOWFALL 5.0					0.1																	0.8							0.9	I	1.6	1.6
		SNOW ON GROUND					T	T	T	T													1	T	T	T	T	T	I	1	1	2	2	
Cherokee	8	SNOWFALL 8.0					0.5	T									T							0.5		T				2.0	T	4.3	0.7	
		SNOW ON GROUND					T	T	T															T	T	T	T	T	T	2	2	4	5	
Emmetsburg	8	SNOWFALL 7.0					T		I			T				T	T							0.5						1.0	0.4	4.6	0.5	
		SNOW ON GROUND					T	I				T				T	T							T	T	T	T	T	T	1	1	6	6	
Estherville 4 E	7	SNOWFALL 6.0					0.2	I	I				I			I								0.3						0.9	0.2	4.0	0.4	
		SNOW ON GROUND					I	I	I	I	I	I	I	I										T	T	T	T	T	T	1	1	5	5	
Everly 3 WNW	7	SNOWFALL 6.2					0.5		T								T							0.8			T			0.8	T	3.5	0.6	
		SNOW ON GROUND					1	1	T	T							T							1	1	1	1	1	T	1	1	4	5	
Hawarden	7	SNOWFALL 6.9					2.0																	0.7						0.5	0.5	2.2	1.0	
		SNOW ON GROUND					2	1	1	1	I													1	1	I	I	I	I	1	1	3	4	
Le Mars	7	SNOWFALL 4.3					0.5	I	I															0.4		I	I			0.4	0.2	2.2	0.6	
		SNOW ON GROUND					1	I	I	I														I	I	I	I	I	I	I	I	2	2	
Orange City	7	SNOWFALL 4.3					0.8	0.2								T	T							0.1			T			0.3	0.4	2.0	0.5	
		SNOW ON GROUND					1	1	T	T	T	T	T	T	T	T	T							T	T	T	T	T	T	T	T	2	3	
Pocahontas	8	SNOWFALL 8.6								0.5							I							1.0		0.1				1.0	0.5	5.0	0.5	
		SNOW ON GROUND								1														1	1	1	1	1	1	2	2	6	6	
Primghar	16	SNOWFALL 7.1					0.5	I									I							I	0.5			I		0.5	5.0	T	0.6	
		SNOW ON GROUND					1	T	I															1	I	I	I	I	I	1	6	6	5	
Remsen #2	7	SNOWFALL 4.3					0.6																	0.5						0.5	T	2.2	0.5	
		SNOW ON GROUND					1	I	I	I														1	I	I	I	I	I	1	1	3	3	
Rock Rapids	8	SNOWFALL 6.5					1.0																	1.5						0.5	T	3.0	0.5	
		SNOW ON GROUND					1	1	1	1	1	1	T											2	2	2	2	2	2	2	2	4	4	
Rock Valley	7	SNOWFALL 7.0					1.0	T									T							1.0						1.0	T	1.0	3.0	
		SNOW ON GROUND					1	1	1	1	1													1	1	1	1	1	1	1	1	2	5	
Sanborn	8	SNOWFALL 6.7					1.0										I							0.5			T			0.7	T	4.0	0.5	
		SNOW ON GROUND					1	1	1	1	1	1												1	1	1	1	1	1	1	1	5	6	
Sheldon	7	SNOWFALL 7.1					1.0	T									T	T						1.0			T			0.8	0.5	3.0	0.8	
		SNOW ON GROUND					1	1	1	1	T	T	T											1	1	1	T	T	T	1	1	5	5	
Sibley	7	SNOWFALL 8.7					1.0																	1.0			0.4			0.6	0.2	5.0	0.5	
		SNOW ON GROUND					1	1	1	1	I	I												1	1	1	1	1	1	1	1	6	6	
Sioux Center 2 SE	16	SNOWFALL 6.1				T	1.0	T									T							0.2	T					0.4	4.0	T	0.5	
		SNOW ON GROUND					1	1	1	1	1	T	T											T	T	T	T	T	T	T	4	4	4	
Sioux Rapids 4 E	22	SNOWFALL 6.9				0.3	T	T		0.1	T						T	T						0.7			0.1		T	0.2	4.8		0.7	
		SNOW ON GROUND				T	T	T	T	T	T													1	1	1	1	1	1	1	6	5	6	
Spencer 1 N	24	SNOWFALL 6.8				0.5	T	T		T	T						T	T						1.0	T	T	I			0.8	T	4.0	0.5	I
		SNOW ON GROUND				T	T	T	T	T	T						T							1	1	1	T	T	T	1	1	5	6	6
Spirit Lake 4 W	24	SNOWFALL 8.0				1.3	T	T			T						T							1.0			T			0.3	I	5.0	0.2	0.2
		SNOW ON GROUND				M	M	M	M	M	M	M	M	M	M									1	1	M	M	M	M	M	M	M	M	M

DECEMBER 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	DAY OF MONTH								15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Storm Lake	8	SNOWFALL	8.7					0.2	T										T										1.0		0.5					1.5	0.5	4.0	1.0			
		SNOW ON GROUND						T	T									T											1	1	1	1	1	1	2	2	5	6				
Washta	7	SNOWFALL	M					0.4	T																				M		M				M	M	1.0	0.5				
		SNOW ON GROUND						T	I																				M	M	M	M	M	M	M	M	1	2				
NORTH CENTRAL DIVISION																																										
Algona 3 W	7	SNOWFALL	7.1					T		T	T							T										0.8		0.1					0.8	0.1	5.0	0.3				
		SNOW ON GROUND						T	T	T	T	T	T					T											1	1	1	1	1	1	2	2	7	7				
Allison	7	SNOWFALL	7.5							T																		1.0		1.0					1.0	0.5	4.0	T				
		SNOW ON GROUND																										1	1	1	1	1	1	1	1	1	4	3				
Britt	7	SNOWFALL	6.4					I	I									I										0.5		I					0.9	I	5.0	T				
		SNOW ON GROUND						I	I																				1	I	I	I	I	I	1	1	6	5				
Charles City	7	SNOWFALL	3.1					T		T		T			0.1	T	T	T	0.1									0.2	T	0.1	T				0.2	0.7	1.7	T				
		SNOW ON GROUND																										T	I	I	T	T	I	T	1	2	2					
Clarion	7	SNOWFALL	M							T	T		I					I										0.5		M	I				2.0	M	M	M				
		SNOW ON GROUND																										1	M	M	M	M	T	T	2	2	M	M				
Dakota City	8	SNOWFALL	7.9					I	T	T	T	T						T										0.4		0.3					0.8	0.2	5.5	0.7				
		SNOW ON GROUND																										T	T	1	1	1	1	1	1	1	6	7				
Forest City 2 NNE	7	SNOWFALL	5.5					T		T					T			T	T		T							0.5		I					1.0	T	4.0	I				
		SNOW ON GROUND						I																				1	1	1	1	1	1	1	1	1	4	4				
Hampton	7	SNOWFALL	6.3							I																		0.5		0.4					1.0	0.5	3.5	0.4				
		SNOW ON GROUND																										1	1	1	1	1	1	2	2	6	6					
Kanawha	8	SNOWFALL	M					I	I	I					I			I										M		M					M	M	4.0	M				
		SNOW ON GROUND																										M	M	M	M	M	M	M	M	M	4	M				
Lake Mills	7	SNOWFALL	4.6					0.5		0.2					T			T										1.0		T				0.4	T	2.5	T					
		SNOW ON GROUND						T	I	T	I	I																1	1	1	1	1	1	1	1	1	4	3				
Mason City	7	SNOWFALL	3.0					0.1		T		T	T		0.1			T										0.2		0.1	I				0.5	0.2	1.8	T				
		SNOW ON GROUND																										I	I	I	I	I	I	1	1	2	2					
Mason City Airport	24	SNOWFALL	4.2			0.2	T	T				T		T		T		T		T							0.5	T		T	T		T	T	1.0	2.5		T				
		SNOW ON GROUND					T	T										T										1	T	T	T	T	T	T	T	1	4	4				
Nashua 2 SW	7	SNOWFALL	3.1							T		T			0.1													0.4		0.4					T	0.2	2.0	T				
		SNOW ON GROUND																										T	I	T	T	T	T	T	T	1	2	2				
Northwood	7	SNOWFALL	M					0.3		0.1					T	T	T	I										M		M					M	M	M	I				
		SNOW ON GROUND						I	I	I																		M	M	M	M	M	M	M	M	M	M	M				
Osage	7	SNOWFALL	3.8					T		T		T			T		T	T										1.0		T					0.4	0.2	2.2	I				
		SNOW ON GROUND																										1	1	1	1	1	1	1	1	1	3	3				
Saint Ansgar	6	SNOWFALL	4.7					T		T		T		I	I			T	T									0.7			T				0.1	1.4	2.5	T				
		SNOW ON GROUND																										1	1	I	I	I	I	I	I	1	3	3				
Swea City 4 W	7	SNOWFALL	7.5					0.5		T			T		T			T										1.8							0.6	0.1	4.5	T				
		SNOW ON GROUND						1	I	I	I																	1	1	1	1	1	1	1	1	1	5	4				
NORTHEAST DIVISION																																										
Cascade	7	SNOWFALL	3.7							T		T			T															0.5	0.4				T	0.7	2.0	0.1				
		SNOW ON GROUND													T	T														T	1	1	1	1	1	2	3	3				



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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	
Cresco 1 NE	7	SNOWFALL 3.4 SNOW ON GROUND							0.2 T		0.2 T			0.2 T		T	T	T						0.3 T						0.4 T	1.1 1	1.0 2	I 2	
Decorah	16	SNOWFALL 3.8 SNOW ON GROUND						I	I		0.1		1.0 1					T I						T		0.2 I	T I			1.5 2	1.0 2	I 2	T 2	
Dubuque Lock & Dam 11	6	SNOWFALL 7.9 SNOW ON GROUND							I		1.0 1			1.0 1												0.1 I	1.5 2			T 1	1.8 3	2.5 5	T 5	
Dubuque Airport	24	SNOWFALL 5.7 SNOW ON GROUND							T T	0.1 T		T T	1.3 1			1 1	T T	T T					T T			0.9 T	T 1			1.4 1	1.9 2		0.1 4	
Elkader 6 SSW	7	SNOWFALL 4.2 SNOW ON GROUND							T T		T T	T T		0.7 T				T T						0.2 T	T T	0.2 1	0.7 1	T 1		0.2 1	0.9 2	1.3 3	T 3	
Fayette	7	SNOWFALL 5.6 SNOW ON GROUND					T		T T		T T			0.1 T				0.2 T						T T		T T	0.6 1			T T	1.6 2	3.1 3	T 2	
Guttenberg L & D 10	6	SNOWFALL 5.4 SNOW ON GROUND							0.2 T		0.2 I		1.0 1			1											1.0 1			I 1	1.5 2	1.5 4	T 4	
Ionia 2 W	7	SNOWFALL 2.9 SNOW ON GROUND							T T					T T			T T	T T						0.1 T		0.4 I	T T			0.2 1	0.2 1	2.0 3	T 3	
Manchester #2	7	SNOWFALL 4.4 SNOW ON GROUND							T T		T T			0.2 T				T T						0.1 T		0.4 T	0.3 1			0.2 1	0.8 2	2.4 4	I 4	
New Hampton	8	SNOWFALL 5.1 SNOW ON GROUND							T T					I T			T T	0.4 T						0.2 I		0.5 I				0.2 1	0.8 1	3.0 4	I 3	
Oelwein 1 E	7	SNOWFALL 5.0 SNOW ON GROUND						T	T		T			0.4 T				T T						0.1 I	0.2 T	0.2 T	1.0 1			T 1	0.3 1	2.8 3	T 3	
Postville	7	SNOWFALL 4.0 SNOW ON GROUND							T T		T T	T T		0.5 T			T T	T T						T T		T T	0.5 I			0.4 T	1.7 2	0.9 3	T 3	
Stanley 3 WSW	7	SNOWFALL 5.1 SNOW ON GROUND							0.1 T		T T	T T		0.3 T				0.1 T						T T	0.3 T	0.8 1	0.2 1	T 1		0.2 1	0.9 2	2.1 4	0.1 4	
Strawberry Point	7	SNOWFALL 3.5 SNOW ON GROUND							T T		T T	T T		0.4 T				T T						T T		0.4 T	0.5 1			T 1	0.8 1	1.4 2	T 2	
Tripoli	7	SNOWFALL 5.8 SNOW ON GROUND							T T		T T			T T				0.1 T						0.6 1	T T	0.6 1	0.5 1			0.3 2	1.3 3	2.3 5	0.1 5	
Waterloo Airport	24	SNOWFALL 7.7 SNOW ON GROUND					T	T	T	T	T		T				T							0.2 T		1.0 T	T 1			1.3 1	5.0 2		0.2 5	
Waukon 4 SW	7	SNOWFALL 3.4 SNOW ON GROUND						T	T		0.1 I		T M	0.8 M				T M							I I	T T		0.5 T			0.2 T	1.2 1	0.6 2	T 2
WEST CENTRAL DIVISION																																		
Audubon	8	SNOWFALL 2.9 SNOW ON GROUND															T							0.4 T		1.0 T				1.0 2	T 2	T 2	0.5 3	
Battle Creek 3 NE	8	SNOWFALL 6.6 SNOW ON GROUND					T	T									T	T						1.4 1		0.8 1				1.2 2	T 2	1.0 3	2.2 5	
Carroll	7	SNOWFALL 8.3 SNOW ON GROUND							T															0.6 1		1.0 I				1.0 2	0.5 2	2.0 4	3.2 6	

DECEMBER 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
Castana Exp. Farm	8	SNOWFALL	7.2					T	T								T							0.5	1.2				3.5	I	0.5	1.5	
		SNOW ON GROUND						T	T								T							1	1	1	1	1	1	4	4	5	6
Denison	7	SNOWFALL	6.0					T		T							T							0.5	1.0				2.0	T	0.5	2.0	
		SNOW ON GROUND															T							T	T	1	1	1	1	3	3	3	5
Guthrie Center	8	SNOWFALL	4.6																					T	1.5				2.0	I	0.5	0.6	
		SNOW ON GROUND																						I	1	1	1	1	3	3	3	3	
Holly Springs 1 NW	7	SNOWFALL	5.4					T																1.0	0.9	T			2.0	I	0.5	1.0	
		SNOW ON GROUND																						1	1	2	2	2	2	4	4	4	5
Holstein	7	SNOWFALL	5.5					T	0.1															1.3	0.4			T	1.2	0.1	1.2	1.2	
		SNOW ON GROUND						T	T	T	T	T	T											1	1	1	1	T	T	1	1	2	3
Little Sioux 2 NW	7	SNOWFALL	8.7					T	0.5	0.5							T							1.8	2.0		T		2.0		0.2	1.7	
		SNOW ON GROUND						T	1															2	2	4	4	4	4	6	6	6	7
Logan	8	SNOWFALL	3.2							I														0.3	1.2				1.2		T	0.5	
		SNOW ON GROUND																						T	I	1	1	1	1	2	2	2	2
Mapleton #2	7	SNOWFALL	9.0						T															1.0	2.0				2.0	I	1.0	3.0	
		SNOW ON GROUND																						1	1	2	2	2	2	3	3	4	5
Rockwell City	7	SNOWFALL	5.4																					1.0	0.5				1.0		2.0	0.9	
		SNOW ON GROUND																						1	1	1	1	1	1	2	2	3	3
Sac City	7	SNOWFALL	7.1																					1.0	1.0				1.1	I	3.0	1.0	
		SNOW ON GROUND																						1	1	2	2	2	2	2	5	6	
Sioux City Airport	24	SNOWFALL	7.3			0.2	T	T																1.0	0.2	T	0.2		2.1	0.1	0.2	3.3	T
		SNOW ON GROUND					T																	1	1	1	1	1	1	3	2	3	6
CENTRAL DIVISION																																	
Ames 8 WSW	16	SNOWFALL	3.7					I	I	I														I	0.3	0.8				0.7	1.0	0.1	0.8
		SNOW ON GROUND																						T	1	1	1	1	1	2	3	3	3
Ames 5 SE	6	SNOWFALL	7.4						T	T							T	T						T	0.4	0.1			0.9	1.0	4.2	0.8	
		SNOW ON GROUND																						I	T	I	I	I	1	1	5	5	
Ankeny	8	SNOWFALL	4.4							T							I							T	1.2	0.3			0.8	0.6	0.4	1.1	
		SNOW ON GROUND																						T	1	1	1	1	2	2	2	3	
Boone	8	SNOWFALL	5.6						T	T					T		T							0.3	1.0	0.2			1.1	0.3	1.7	1.0	
		SNOW ON GROUND							T															T	T	1	1	1	1	2	3	4	5
Brooklyn	7	SNOWFALL	5.8																						0.7	0.3			I	0.5	4.0	0.3	
		SNOW ON GROUND																							1	1	1	1	1	1	1	5	5
Clutier	7	SNOWFALL	7.0							I								T						T	0.5	0.2			T	0.3	5.5	0.5	
		SNOW ON GROUND																							T	T	T	T	T	1	6	6	
Des Moines Airport	24	SNOWFALL	6.7				T	T	T			T	T				T							0.1	T	T	1.8		0.8	1.1	1.4	0.6	0.9
		SNOW ON GROUND																							T	1	1	1	1	2	2	3	4
Des Moines Camp Dodge	24	SNOWFALL	5.2				T	T	T	T			T			T	T		T					T	T	1.2			0.7	0.5	1.4	1.0	0.4
		SNOW ON GROUND																						T	T	1	1	1	2	2	3	4	4
Eldora	7	SNOWFALL	8.1						T	T							T	T						T	0.8	T			0.7	0.8	5.3	0.5	
		SNOW ON GROUND							T								T							T	1	1	T	T	1	2	7	7	

DECEMBER 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	
Fort Dodge 5 NNW	7	SNOWFALL 7.5 SNOW ON GROUND					I		T	T	T					T	T						T	0.5 1	T 1	0.5 1	I 1		T 1	2.0 2	T 2	4.0 6	0.5 6	
Gilman	7	SNOWFALL 6.4 SNOW ON GROUND							I															I		0.7 1	0.3 1			0.2 1	0.7 1	3.0 3	1.5 5	
Grinnell 3 SW	7	SNOWFALL 5.9 SNOW ON GROUND							T														T		0.2 T	0.2 T			0.2 T	1.3 1	3.5 5	0.5 5		
Grundy Center	8	SNOWFALL 6.9 SNOW ON GROUND							T														T		0.6 T	0.2 1			T T	0.8 1	5.0 5	0.3 5		
Iowa Falls	7	SNOWFALL 7.8 SNOW ON GROUND						T	T		T	T		T			T							0.2 T	0.6 T	I T			1.0 1	0.5 2	5.0 6	0.5 6		
Marshalltown	7	SNOWFALL 8.1 SNOW ON GROUND						T	T															0.2 T		0.7 1	0.3 1			0.5 1	0.4 1	5.0 6	1.0 6	
Montezuma 1 W	7	SNOWFALL 6.5 SNOW ON GROUND																							1.0 1	T 1			T 1	2.0 3	2.5 6	1.0 7		
Newton	7	SNOWFALL 2.8 SNOW ON GROUND							T								T							T		0.7 1	T 1			0.3 1	0.2 1	1.0 2	0.6 2	
Perry	7	SNOWFALL 5.6 SNOW ON GROUND							T															I I		1.0 1	0.2 1			2.0 2	T 2	1.2 3	1.2 4	
Toledo 3 N	7	SNOWFALL 7.0 SNOW ON GROUND							T								T	T		T				T		0.5 T	0.5 T			T 1	0.5 2	5.0 7	0.5 7	
Webster City	7	SNOWFALL 6.5 SNOW ON GROUND							I								I							0.5 1		0.5 I	I 1			1.0 1	0.5 1	3.0 4	1.0 5	
Zearing	7	SNOWFALL 7.0 SNOW ON GROUND						T	I															T T		1.0 1	I 1			1.0 2	0.8 3	3.2 6	1.0 7	
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	SNOWFALL 4.7 SNOW ON GROUND							T		T			0.2 T		T	T	T						T		0.3 T	0.4 1			T 1	0.9 2	2.5 5	0.4 5	
Belle Plaine	7	SNOWFALL 6.1 SNOW ON GROUND							T																	0.4 T	0.2 T			T T	1.0 1	4.0 5	0.5 5	
Bellevue Lock & Dam 12	6	SNOWFALL 6.4 SNOW ON GROUND									0.5 1			2.0 2		2	1										1.0 1					0.7 2	2.2 4	I 4
Cedar Rapids #1	17	SNOWFALL 7.7 SNOW ON GROUND							T		T			0.3			0.1							T		1.0 1				0.9 2	4.8 7	0.3 6	0.3 6	
Clinton #1	18	SNOWFALL 5.4 SNOW ON GROUND							T		0.2			0.2 T			T							T		1.5 2	T 1			0.7 2	2.5 4	0.1 4	0.2 4	
Coggon	6	SNOWFALL 6.3 SNOW ON GROUND							I		I			0.1				T							T		0.2 T	0.7 T			0.2 T	1.8 2	3.2 4	0.1 4
Davenport Airport	24	SNOWFALL 6.4 SNOW ON GROUND						T	T	T	T		0.1			T	T	T					T			1.5 T				0.7 1	3.9 2	T 6	0.2 5	
De Witt	8	SNOWFALL 5.9 SNOW ON GROUND								T				0.1 I										I		0.5 1	1.0 1			T 1	1.0 2	3.0 4	0.3 4	

DECEMBER 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	
Iowa City	7	SNOWFALL 6.9 SNOW ON GROUND							I					I												0.3 T	1.0 1			0.1 1	1.0 2	4.0 6	0.5 6	
Le Claire L & D 14	6	SNOWFALL M SNOW ON GROUND									M			M										M M		M M	M M			M M	M M	M M	M M	
Lowden	24	SNOWFALL 7.4 SNOW ON GROUND					T	T	T	T	T	0.2					T						0.3 T			1.3 1	T 1			1.0 2	4.3 5		0.3 5	
Maquoketa 4 W	7	SNOWFALL 4.4 SNOW ON GROUND							T		T		0.2 T					T						0.1 T		0.2 T	0.9 1			T 1	0.8 1	2.1 3	0.1 3	
Monticello	7	SNOWFALL 4.8 SNOW ON GROUND							T		I		0.1													0.4 I	0.6 1			0.2 1	1.5 2	2.0 4	I 4	
Muscatine	6	SNOWFALL 4.8 SNOW ON GROUND																								0.5 1	0.5 1			0.1 1	0.7 2	2.5 4	0.5 4	
Muscatine 2 N	7	SNOWFALL 9.3 SNOW ON GROUND										T		T		T										0.5 T	1.2 2			0.2 2	1.1 3	5.7 8	0.6 6	
Swisher	7	SNOWFALL 8.4 SNOW ON GROUND							T					T				T								T I	0.8 1	T 1		0.5 1	0.8 2	6.0 7	0.3 6	
Vinton	7	SNOWFALL 6.8 SNOW ON GROUND						I	I															I		0.5 T	0.5 1			0.2 1	0.3 1	5.0 6	0.3 6	
Williamsburg 1 E	7	SNOWFALL 7.2 SNOW ON GROUND							T																	0.3 I	0.5 1			I T	2.0 2	4.0 5	0.4 5	
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	SNOWFALL 5.0 SNOW ON GROUND							T								T							0.3 I		2.0 2	T 2			1.6 4	T 4	0.1 4	1.0 4	
Bedford	7	SNOWFALL 5.2 SNOW ON GROUND							0.2																	4.0 4		0.5 3		I 3		I 3	0.5 3	
Clarinda	6	SNOWFALL 3.0 SNOW ON GROUND							T																	3.0 3		T 3		I 3		T 3	T 3	
Corning 1 W	7	SNOWFALL 3.7 SNOW ON GROUND																								3.2 3				0.5 4		I 3	T 3	
Glenwood	7	SNOWFALL M SNOW ON GROUND							I																M M	M M	M M	M M	M M	M M	M M	M M	M M	M M
Greenfield	8	SNOWFALL 5.2 SNOW ON GROUND																						0.2 I	2.0 2				2.0 3		I 2	1.0 3		
Hastings 4 NE	8	SNOWFALL 3.1 SNOW ON GROUND							T																T T	2.7 3		T 3		0.3 3		0.1 3		
Massena	7	SNOWFALL 5.4 SNOW ON GROUND							0.5 I															0.5 1	2.5 3	7 2			0.6 3	0.3 3	I 3	1.0 3		
Oakland	7	SNOWFALL 3.0 SNOW ON GROUND							T															0.3 T	1.8 2	T 2			0.5 2	0.3 2	T 2	0.1 2		
Randolph	8	SNOWFALL 4.2 SNOW ON GROUND							I																	4.0 4		0.2 4		T 4	T 4	T 3		

DECEMBER 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			
Red Oak	7	SNOWFALL	3.5							T															T		3.2	T	T		0.3		T	T			
		SNOW ON GROUND																							T		3	3	3	3	3	3	3	3			
Shenandoah	8	SNOWFALL	4.2							I										T							4.0		0.2		T		T	T			
		SNOW ON GROUND																									4	4	3	3	3	3	2	2			
Sidney 1 SSE	7	SNOWFALL	3.0							I																	3.0		I		T		T				
		SNOW ON GROUND																								3	3	2	2	2	2	2	2				
Underwood	7	SNOWFALL	3.9							T															0.4		3.0		T		0.3		T	0.2			
		SNOW ON GROUND																							T	T	3	3	3	3	3	3	3	3			
SOUTH CENTRAL DIVISION																																					
Albia 3 NNE	7	SNOWFALL	5.2																								3.0	T			0.5	1.0	T	0.7			
		SNOW ON GROUND																									3	3	3	3	3	4	4	4			
Allerton	8	SNOWFALL	5.7							T																	3.7	0.1	0.1		0.5	0.9	I	0.4			
		SNOW ON GROUND								T																	4	3	2	2	3	4	3	4			
Beaconsfield	7	SNOWFALL	4.2																								3.5				0.5	0.2	T	T			
		SNOW ON GROUND																									4	3	3	3	3	3	3	3			
Centerville	7	SNOWFALL	5.2																								3.2	I	I		0.5	1.0	I	0.5			
		SNOW ON GROUND																									3	3	3	3	4	5	5	5			
Chariton 1 E	7	SNOWFALL	4.6																								2.5	0.3	I		0.5	0.5	I	0.8			
		SNOW ON GROUND																									3	3	2	2	3	3	3	4			
Creston 2 SW	7	SNOWFALL	5.6							I															0.1		2.8	0.2	T		1.0	0.5	T	1.0			
		SNOW ON GROUND																							I		3	3	3	3	4	4	3	3			
Indianola 4 W	7	SNOWFALL	4.7																						T		2.0	I			1.0	0.3	0.2	1.2			
		SNOW ON GROUND																							T		2	2	2	2	2	3	3	4			
Knoxville	8	SNOWFALL	5.0																								2.0	0.2			0.5	0.5	0.3	1.5			
		SNOW ON GROUND																									2	2	2	2	2	2	2	3			
Lamoni	7	SNOWFALL	3.5							T																	3.0	T	0.2		0.1	T	T	0.2			
		SNOW ON GROUND																									3	3	3	3	3	3	3	3			
Lorimor	8	SNOWFALL	4.3																						I		2.3	I			1.0	I	I	1.0			
		SNOW ON GROUND																									2	2	2	2	3	3	3	4			
Mount Ayr	8	SNOWFALL	3.6							T																	3.0		T		0.1	T	I	0.5			
		SNOW ON GROUND																									3	2	2	2	2	2	2	3			
Osceola	8	SNOWFALL	5.5																						I		2.5	0.5			1.0	0.5	I	1.0			
		SNOW ON GROUND																							T		3	3	2	2	3	3	3	4			
Pella 1 S	7	SNOWFALL	4.9																								1.6	0.2			0.5	0.7	0.4	1.5			
		SNOW ON GROUND																									2	2	2	2	2	3	3	4			
Rathbun Dam	7	SNOWFALL	4.2																								2.0	0.1			0.9	0.7	T	0.5			
		SNOW ON GROUND																									2	2	2	1	2	3	3	4			
Winterset 1 S	7	SNOWFALL	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			
		SNOW ON GROUND	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			

DECEMBER 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	
SOUTHEAST DIVISION																																		
Bloomfield 1 WNW	7	SNOWFALL 6.3 SNOW ON GROUND																								4.0 4	I 4			0.5 2	1.5 3	I 3	0.3 3	
Brighton	7	SNOWFALL M SNOW ON GROUND																								0.9 1	0.3 1		M M	M M	M M	M M	M M	
Burlington Airport	24	SNOWFALL 4.4 SNOW ON GROUND								I																2.8 2		I 3	I 3	1.0 3	0.2 3	I 3	0.4 3	
Donnellson	7	SNOWFALL 4.4 SNOW ON GROUND																								2.0 2	1.0 3	T 3		0.6 3	0.6 3	T 3	0.2 3	
Fairfield	8	SNOWFALL 4.3 SNOW ON GROUND																								2.0 2	0.5 2			0.3 1	1.0 1	T 2	0.5 3	
Fort Madison	24	SNOWFALL 3.9 SNOW ON GROUND																								2.0 2			0.1 2	1.5 3	I 3		0.3 3	
Keokuk Lock & Dam 19	6	SNOWFALL 4.1 SNOW ON GROUND																								2.0 2	1.0 3	I 2		0.2 2	0.4 2	I 2	0.5 2	
Keosauqua	7	SNOWFALL 4.6 SNOW ON GROUND								T																2.8 3	I 3			0.5 3	0.8 4	T 4	0.5 4	
Mount Pleasant 1 SSW	7	SNOWFALL 4.7 SNOW ON GROUND																								2.0 M	0.4 M			0.4 M	1.5 M	0.1 M	0.3 M	
Oskaloosa	7	SNOWFALL 4.4 SNOW ON GROUND																								I 1	1.1 1	I 1		0.5 1	1.7 2	0.2 2	0.9 3	
Ottumwa Airport	24	SNOWFALL 4.4 SNOW ON GROUND							T	T																2.5 2	T 2	T 1	0.2 1	1.2 1	T 3	T 3	0.5 3	
Ottumwa 5 W	7	SNOWFALL 4.4 SNOW ON GROUND								T																T 2	2.2 2	0.3 2	T 1		0.2 1	1.2 3	T 3	0.5 3
Salem 1 S	7	SNOWFALL 3.4 SNOW ON GROUND																								1.0 1	0.5 1			0.5 2	1.2 3	I 3	0.2 3	
Sigourney	8	SNOWFALL 5.2 SNOW ON GROUND																								T 1	1.1 1	T 1		1.2 1	1.1 2	0.8 3	1.0 3	
Washington	7	SNOWFALL 5.0 SNOW ON GROUND								I																T 1	0.7 2	0.8 2		0.3 2	1.0 3	1.7 5	0.5 6	
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	SNOWFALL 9.6 SNOW ON GROUND								T		T		T												2.0 T				0.6 1	6.7 2	T 7	0.3 6	
Omaha Eppley AP	24	SNOWFALL 3.6 SNOW ON GROUND				T		0.1											T					0.4 T	T T	0.4 2	1.3 2	T 2		0.6 2	0.2 3	0.2 3	0.1 4	0.3 4
Sioux Falls WFO AP	24	SNOWFALL 10.4 SNOW ON GROUND				1.2	T 1	T 1		T 1		T 1		T T		T T								4.3 T	T 4	T 3	T 3		0.9 3	T 3	3.1 3	0.8 3	0.1 5	

DECEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW						DECEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW					
STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)		
			LATITUDE			LONGITUDE							LATITUDE			LONGITUDE					
			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	Knoxville	SC	Marion	41	19	29	93	6	3	915		

DECEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW			DECEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW						
STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)
			LATITUDE			LONGITUDE							LATITUDE			LONGITUDE			
			DEG	MIN	SEC	DEG	MIN	SEC					DEG	MIN	SEC	DEG	MIN	SEC	
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	Waukon 4 SW	NE	Allamakee	43	14	25	91	33	18	1191
Pella 1 S	SC	Marion	41	22	34	92	55	13	780	Webster City	C	Hamilton	42	28	7	93	47	50	1170
Perry	C	Dallas	41	50	22	94	6	38	965	Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212	Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
Postville	NE	Allamakee	43	5	24	91	33	29	1165	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.

