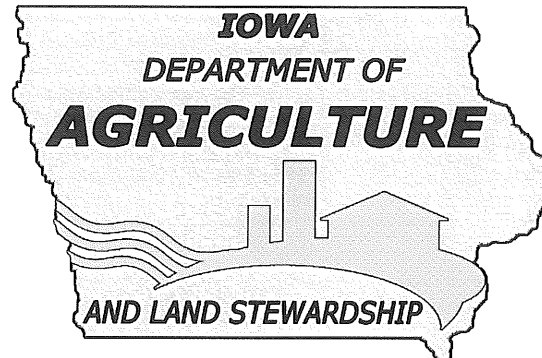


Iowa Department of Agriculture & Land Stewardship
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

IOWA CLIMATE REVIEW

VOLUME 30, NUMBER 12
DECEMBER 2016



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 2016

General Summary. Iowa temperatures averaged 22.7° or 0.2° below normal while precipitation totaled 1.55 inches or 0.21 inches greater than normal. This ranks as the 67th coolest and 37th wettest December among 144 years of record.

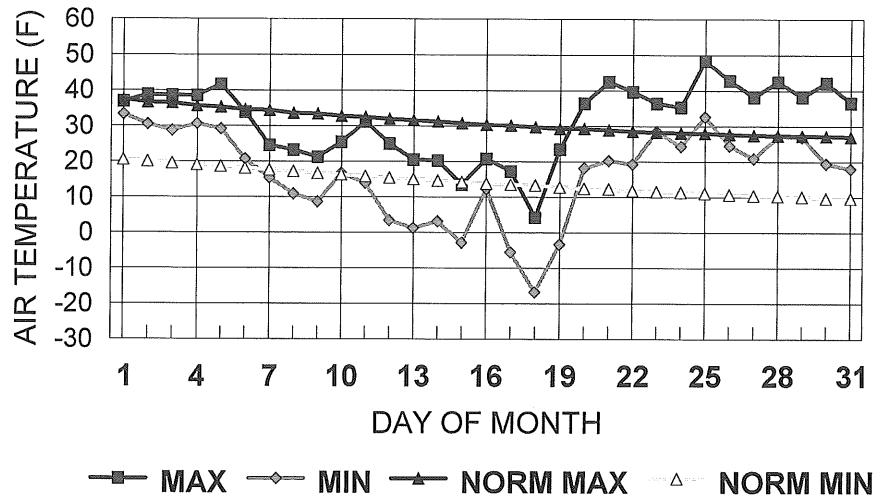
Temperatures. The month began and ended with an extended period of warmer than normal weather while below normal temperatures prevailed each day from the 7th through the 19th. The most noteworthy temperature event of the month was the cold weather on the 18th. Morning low temperatures on the 18th varied from -8° at Keokuk to -29° at Rock Rapids. The Rock Rapids reading was the lowest temperature recorded in Iowa since Elkader saw -30° on February 28, 2015 and was the lowest December temperature in the state since a -34° reading at Elkader on December 25, 2000. Afternoon high temperatures were below zero across about the northeast one-third of Iowa on the 18th. Meanwhile wind chill indices dropped as low as -46° at Estherville and Spencer on the morning of the 18th for the lowest wind chill readings in Iowa since -53° was registered at Estherville on January 2, 2010. Soils began to freeze with the arrival of colder air on the 7th and quickly extended to about a foot beneath the surface by the 20th across much of central and southern Iowa where little or no snow cover existed. However, warmer weather late in the month, plus a widespread Christmas Day rain, partially or completely thawed soils over southern Iowa by the end of the month. The month's highest temperature was recorded at Keokuk on Christmas night with a 60° reading.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals averaged the same as normal but 32% more than seen during the very mild December of 2015. Thus far this heating season (since July 1), heating requirements have averaged 18% less than normal but 6% more than last season at this time.

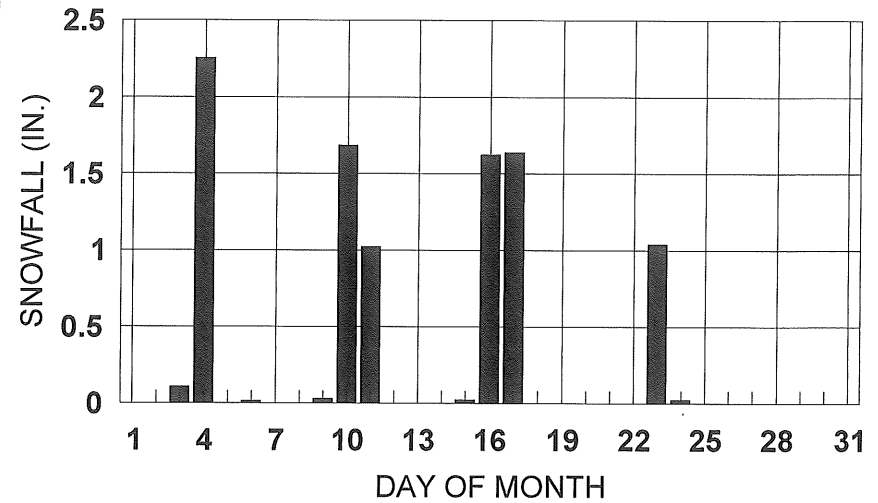
Precipitation. Precipitation was relatively frequent during the month, but with plenty of breaks between events. The first widespread snow of the season arrived on the 3rd-4th with snow accumulating at all but a few far southern Iowa locations. Heaviest snow fell over extreme eastern Iowa where the Davenport Airport recorded 10.2 inches. Widespread snow also fell over all but far southern-southwestern Iowa on the 10th-11th with a few totals of six inches over the far north/northeast. Snow also fell statewide on the 16th-17th with greatest amounts again over the north where a few locations picked up a half-foot or more. Still another statewide snow event came on the 23rd and once again resulted in little, if any, accumulation over the south while 3 to 5 inches fell across the northeast corner of Iowa. The last, and largest precipitation event of the month, came on Christmas Day and brought a statewide average of 0.63 inches of rain. Thunder accompanied the rain over about the west two-thirds of Iowa with rain totals exceeding an inch in a few areas. The rain, combined with frozen soil (which prevented rainwater from soaking into the ground), brought some minor flooding, especially over the south where some ice jams occurred as river ice broke up. Monthly precipitation totals were generally well above normal across the northwest one-half of the state. Precipitation totals varied from 0.82 inches at Sac City to 2.91 inches at Saint Ansgar. Snowfall totals varied from only an inch at Allerton, Clarinda and Red Oak to 20.8 inches at Saint Ansgar. The statewide average snowfall was 8.2 inches or 0.1 inches less than average. This ranks as the 40th greatest December snowfall among 130 years of records.

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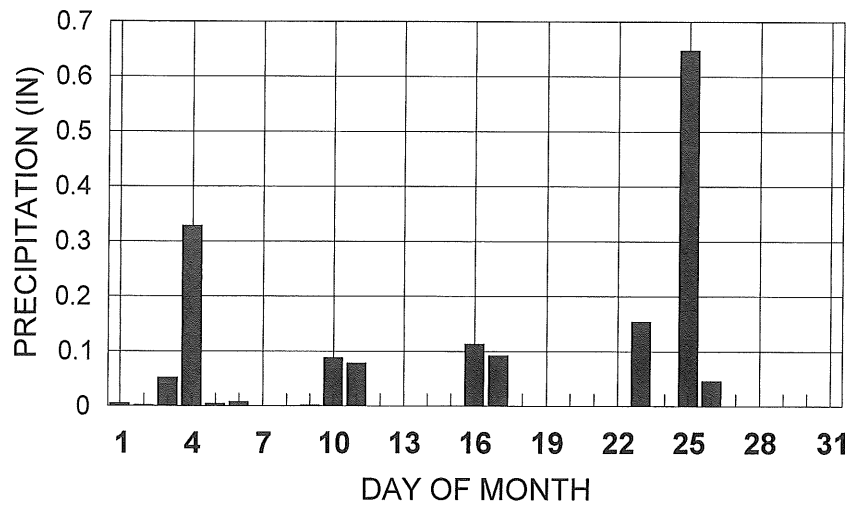
IOWA DAILY MAX & MIN TEMPERATURES
DECEMBER 2016 (SELECTED STATIONS)



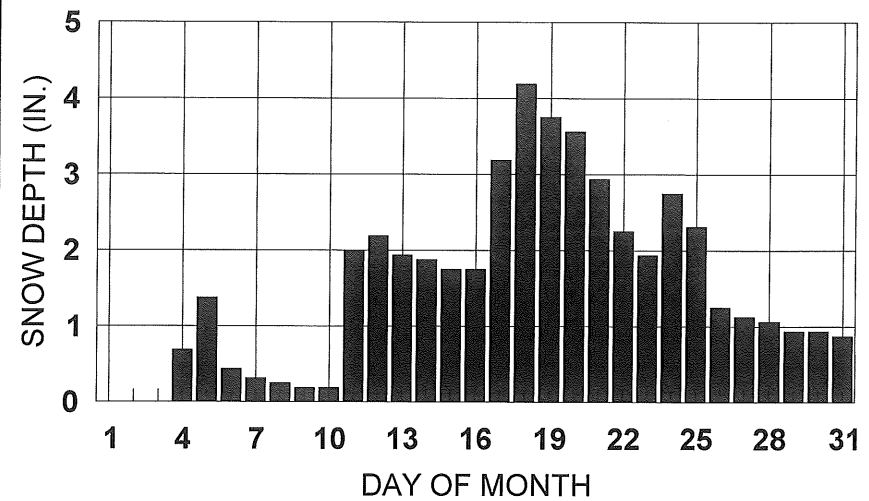
IOWA AVERAGE DAILY SNOWFALL
DECEMBER 2016 (SELCTED STATIONS)



IOWA AVERAGE DAILY PRECIPITATION
DECEMBER 2016 (SELECTED STATIONS)



IOWA AVERAGE DAILY 6 am SNOW DEPTH
DECEMBER 2016 (SELECTED STATIONS)



DECEMBER 2016																															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																																								
Ames	32	32	32	32	34	21	12	10	11	18	22	10	1	2	-3	12	3	-9	6	21	26	24	32	31		23	23	28	24	23	22	18.5								
Burlington	29	31	30	32	33	27	16	11	13	17	26	16	8	6	-2	15	14	-8	1	14	23	26	32	35	40	32	23	27	23	22	23	20.5								
Cedar Rapids	34	31	29	32	32	25	16	13	12	18	26	9	0	2	-3	13	9	-12	1	16	24	25	31	32		27	21	27	24	22	21	18.6								
Davenport	32	30	26	30	31	26	16	12	12	16	26	9	1	1	-3	11	11	-11	0	13	22	25	30	31	35	31	22	26	24	20	21	18.6								
Des Moines	28	31	31	33	34	18	10	8	9	16	22	10	0	1	-4	12	4	-10	3	18	24	23	31	31	39	21	22	25	21	20	20	17.8								
Dubuque	32	28	26	29	31	24	13	11	11	15	23	7	-3	0	-6	8	8	-14	-1	14	22	22	28	30	32	26	19	25	22	19	20	16.8								
Estherville	31	26	28	32	33	14	8	8	6	10	15	0	-2	-2	-4	7	-5	-15	7	21	26	22	30	24	33	15	19	25	22	23	19	15.4								
Iowa City	31	29	28	31	32	25	14	11	11	17	26	9	1	2	-2	13	9	-12	0	14	22	24	30	32	36	27	21	25	23	21	20	18.4								
Lamoni	26	27	29	33	33	20	12	8	9	14	24	12	2	4	-1	15	7	-9	2	15	24	24	30	30	42	23	23	25	21	19	20	18.2								
Marshalltown	32	30	30	32	33	22	13	10	11	17	23	8	0	2	-3	13	4	-12	3	19	25	24	31	30	37	23	21	26	23	21	20	18.3								
Mason City	31	25	27	31	31	17	9	9	9	11	17	0	-3	-2	-6	7	-1	-15	4	18	25	21	30	27	32	17	16	24	21	21	18	15.2								
Moline, IL	30	29	25	30	31	26	15	11	12	16	27	11	3	2	-2	12	12	-11	-2	12	21	24	30	32	36	30	21	25	22	19	20	18.4								
Omaha, NE	26	27	26	30	32	13	8	6	7	16	17	10	0	3	0	14	-1	-6	7	19	24	21	28	24	38	17	21	23	18	20	18	16.3								
Ottumwa	27	30	29	32	33	22	12	8	10	16	24	12	2	2	-3	12	7	-12	0	14	23	24	30	32	39	25	21	24	20	19	20	17.9								
Sioux City	29	30	29	31	31	12	7	5	5	17	15	7	2	3	0	11	-3	-9	8	21	27	23	29	24	36	16	22	25	20	22	19	16.6								
Sioux Falls, SD	30	27	30	31	29	10	5	5	3	11	10	0	0	-2	-1	7	-9	-11	10	22	26	21	28	25		13	20	23	21	22	18	14.1								
Spencer	31	27	30	32	32	12	7	7	5	11	14	1	-2	-2	-3	7	-6	-14	8	21		23	30	24	33	15	20	25	22	22	19	15.0								
Waterloo	31	26	27	31	31	21	11	10	10	15	21	2	-3	-1	-6	9	2	-15	1	17	24	22	29	30	33	21	18	25	21	20	19	16.2								
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																																								
Ames	11.9	5.8	6.5	8.6	9.5	17.1	16.8	16.0	5.9	7.4	10.7	8.8	10.3	15.4	8.6	9.5	18.6	8.5	13.3	11.3	13.9	9.1	8.3	5.7	16.2	20.1	7.2	12.1	21.6	9.9	9.8	11.4								
Burlington	10.4	6.5	6.0	7.4	8.5	8.1	9.6	11.8	5.8	6.6	9.6	7.7	7.8	9.5	8.1	9.7	12.6	8.6	11.8	10.4	8.4	8.2	8.8	5.1	13.8	12.4	7.5	9.6	15.5	12.1	8.3	9.2								
Cedar Rapids	13.1	8.6	6.0	8.1	11.6	13.4	16.2	18.6	6.7	7.3	11.5	9.1	9.9	15.0	8.3	10.0	16.5	10.7	14.4	11.4	11.7	8.8	7.3	7.2	16.6	17.3	9.7	10.5	21.0	11.1	10.4	11.5								
Davenport	14.8	9.8	6.2	9.9	12.7	11.9	18.6	20.7	9.1	8.6	10.9	9.6	10.4	15.7	8.4	11.6	14.8	11.3	14.5	14.2	11.5	10.4	9.5	6.7	18.3	17.7	11.5	13.0	22.1	14.5	11.6	12.6								
Des Moines	11.9	5.2	6.6	8.6	12.5	16.4	16.8	18.0	5.6	7.7	11.5	8.6	8.8	13.9	9.1	9.1	16.2	8.5	13.2	10.9	14.5	8.8	7.6	5.7	14.0	16.9	9.1	10.7	22.1	10.8	9.9	11.3								
Dubuque	13.0	9.8	6.2	11.1	13.9	13.8	16.9	17.4	7.9	5.9	10.1	10.3	9.5	17.3	8.9	9.9	14.8	10.0	17.5	16.5	12.1	9.5	10.6	6.0	17.3	20.2	11.7	13.8	20.2	12.0	10.0	12.4								
Estherville	12.0	8.2	9.2	11.2	17.0	23.1	23.0	19.7	5.8	10.7	14.3	9.5	12.7	20.4	9.5	13.3	20.3	10.8	17.2	14.2	19.2	13.5	11.9	8.7	25.4	28.1	11.1	19.3	24.9	11.0	16.7	15.2								
Iowa City	12.8	7.7	5.7	7.6	10.6	10.2	14.8	14.5	6.2	6.1	8.2	7.4	7.1	13.0	8.3	9.4	14.3	8.2	9.4	8.0	8.4	6.1	4.6	5.8	11.8	15.1	7.7	7.0	18.0	10.5	8.3	9.4								
Lamoni	10.6	6.1	5.7	7.9	8.8	13.6	14.7	15.1	4.1	8.2	11.1	8.0	13.2	10.5	7.2	9.0	15.9	8.6	13.1	9.4	12.7	7.8	8.6	4.8	13.3	16.4	9.8	10.8	19.6	13.2	9.5	10.6								
Marshalltown	11.5	6.9	6.3	11.1	13.1	16.4	16.3	19.5	7.3	8.8	13.1	8.3	9.7	17.3	8.6	12.0	19.0	10.1	15.6	13.3	13.8	9.9	9.7	6.0	19.4	20.7	9.7	12.8	23.4	11.5	10.3	12.6								
Mason City	12.4	9.6	6.1	12.4	13.8	22.6	21.6	19.4	8.1	9.1	12.4	10.2	13.0	20.1	9.4	11.6	19.0	10.3	15.9	15.6	18.0	10.9	11.2	7.7	22.5	23.9	11.2	16.7	24.2	10.3	14.7	14.3								
Moline, IL	13.1	8.5	6.5	7.1	9.7	9.7	15.6	17.0	7.8	6.8	7.9	8.7	7.9	14.3	8.0	9.4	12.2	10.5	9.2	11.1	8.2	7.7	6.6	5.9	16.1	16.5	9.1	10.5	19.8	11.5	9.4	10.4								
Omaha, NE	7.9	3.2	4.0	6.6	15.4	15.2	13.9	14.3	4.8	10.6	12.5	11.3	9.4	11.6	11.0	10.9	21.7	9.4	14.4	7.2	13.9	5.7	9.0	7.5	20.3	14.2	8.6	10.4	16.6	10.6	10.0	11.0								
Ottumwa	10.8	6.3	5.9	8.9	12.7	12.1	12.9	15.4	6.1	8.1	11.1	8.3	9.8	13.6	7.5	11.1	18.6	9.7	14.1	12.4	11.7	9.1	9.4	7.4	17.2	15.0	10.0	10.9	18.7	12.7	10.7	11.2								
Sioux City	8.5	5.0	8.0	6.8	14.9	17.4	17.8	17.5	3.8	11.2	15.2	11.3	7.0	13.3	9.7	10.4	21.2	7.1	11.5	6.6	14.6	6.7	9.3	7.9	19.6	20.2	5.7	13.6	17.9	9.2	13.0	11.7								
Sioux Falls, SD	10.0	5.3	11.4	7.8	14.3	21.7	21.9	16.2	3.2	11.5	11.1	8.5	8.9	12.7	8.5	11.1	16.3	7.1	11.7	9.4	17.0	8.8	10.6	10.3	22.1	23.9	8.0	14.8	18.3	8.5	13.7	12.4								
Spencer	17.0	10.7	12.8	13.0	22.1	30.1	29.2	23.7	11.2	8.4	15.5	12.0	13.4	22.0		11.8	19.6	10.7	15.7	14.9	14.3	11.6	9.3		25.3	28.8	8.1	17.5	22.3	10.7	15.1	16.4								
Waterloo	9.5	8.4	4.4	10.9	12.8	15.8	16.2	14.0	5.6	7.5	10.1	7.7	10.3	16.1	7.7	10.3	17.7	8.2	12.7	12.2	11.4	8.6	9.1	7.0	19.0	18.7	9.1	12.4	18.4	10.2	9.2	11.3								
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																																								
Ames	24	14	22	18	26	32	33	32	19	22	32	27	29	38	25	20	36	26	33	31	43	21	25	25	43	42	24	31	49	30	28	49								
Burlington	25	15	15	21	23	28	23	28	19	19	30	25	22	29	30	21	36	32	26	31	32	25	25	17	37	30	19	21	45	31	26	45								
Cedar Rapids	25	22	19	17	26	30	32	39	23	22	35	29	26	36	21	19	38	33	32	31	31	29	19	19	37	38	24	25	43	31	33	43								
Davenport	28	21	22	22	26	30	35	36	25	24	30	31	21	37	18	23	33	30	31	35	28	25	29	18	40	40	27	28	49	37	33	49								
Des Moines	26	14	19	17	30	32	31	38	19	21	35	26	27	42	24	21	37	31	29	32	44	23	24	22	38	39	21	26	49	31	30	49								
Dubuque	24	21	19	23	32	32	31	34	18	18	27	26	23	41	25	22	30	26	36	33	25	27	19	18	44	46	33	28	43	32	30	46								
Estherville	25	19	21	22	45	43	37	36	17	23	32	26	26	36	19	22	38	25	34	32	44	23	29	25	47	56	29	36	47	31	36	56								
Iowa City	26	24	15	17	23	29	28	32																																

DECEMBER 2016				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	16-17	NORM	DEC	DEC	2016	NORM								MAX ON		
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2016	NORM	SEAS	SEAS	2016	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY			
NORTHWEST DIVISION																																	
Akron																																	
Cherokee	29.6	11.1	20.4	-0.6	46	31	-24	18	0	15	31	7	1379	1364	2542	2962	0	0	861	720	1.36	0.46	0.99	26	7	2	0	3.9	2	19			
Emmetsburg	28.9	11.7	20.3	1.4	45	6	-23	19	0	15	31	8	1379	1430	2449	3117	0	0	884	630	1.68	0.65	0.86	26	7	5	0	8.2	6	24			
Estherville Airport	27.6	11.7	19.7	0.7	44	5	-28	18	0	17	31	8	1400	1424	2656	3143	0	0	635	591			0.75	25			0						
Estherville 4 E	26.5	9.3	17.9	-0.9	44	26	-27	18	0	18	31	8	1452	1431	2689	3134	0	0	670	582	1.44	0.51	0.77	26	7	4	0	8.5					
Everly 3 WNW																					1.40		0.73	26	7	4	0	11.3	9	17			
Hawarden	29.3	11.2	20.3	-0.1	45	26	-24	19	0	15	31	7	1380	1382	2564	2995	0	0	909	765	1.13	0.12	0.77	26	5	2	0	4.7	4	19			
Le Mars	29.9	10.7	20.3	-0.4	47	5	-25	19	0	15	31	7	1381	1375	2478	2952	0	0	877	778	1.41	0.53	1.10	26	5	2	1	4.0	3	19			
Orange City																					1.41		1.03	26	6	2	1	5.4	3	20			
Pocahontas	28.8	11.1	20.0	-0.5	45	6	-25	19	0	16	31	7	1391	1379	2450	2941	0	0	911	774	1.67	0.41	0.58	26	8	5	0	10.1	5	20			
Primghar	29.6	14.1	21.9	0.6	44	26	-23	18	0	13	31	7	1331	1356	2296	2820	0	0	1018	864	1.81	0.93	0.75	25	8	5	0	10.6	8	19			
Remsen #2																					1.04		0.77	26	6	2	0	3.5	2	20			
Rock Rapids	27.9	9.8	18.9	-0.1	44	26	-29	19	0	15	31	10	1423	1424	2620	3121	0	0	828	718	1.46	0.68	0.98	26	4	3	0	8.0	5	18			
Rock Valley																					1.36	0.52	0.86	26	3	2	0	8.0	8	19			
Sanborn	26.9	9.5	18.2	-0.6	44	6	-25	18	0	19	31	10	1442	1434	2608	3124	0	0	769	651	1.74	0.80	0.87	26	8	3	0	12.1	9	20			
Sheldon	28.1	10.1	19.1	1.4	45	6	-28	19	0	15	30	7	1417	1465	2655	3286	0	0	672	560	1.63	0.63	0.87	26	9	3	0	9.1	6	20			
Sibley	25.6	8.5	17.1	-1.0	43	6	-25	19	0	20	31	10	1481	1455	2730	3191	0	0	717	570	1.93	1.07	0.97	26	7	3	0	9.5	6	20			
Sioux Center 2 SE	30.7	14.1	22.4	1.0	44	26	-26	18	0	13	31	6	1316	1351	2337	2821	0	0	976	851	1.22	0.28	0.67	25	8	3	0	5.1	4	19			
Sioux Rapids 4 E	29.5	13.4	21.5	1.4	44	5	-25	18	0	14	31	7	1342	1393	2433	2994	0	0	760	668	0.96	0.03	0.56	25	8	2	0	9.0	5	17			
Spencer Airport	29.6	12.7	21.2	2.1	47	5	-27	18	0	15	31	7	1353	1424	2522	3089	0	0	794	684			0.78	25			0						
Spencer 1 N	28.9	13.0	21.0	1.6	45	5	-24	18	0	16	31	7	1357	1415	2521	3087	0	0	859	689	1.58	0.85	0.94	25	7	4	0	9.5	6	19			
Spirit Lake 4 W	28.2	12.3	20.3		46	5	-25	18	0	16	31	7	1381		2476		0		836		1.41		0.80	25	7	3	0	10.4	9	17			
Storm Lake	28.7	11.9	20.3	-0.8	46	6	-22	19	0	15	31	7	1379	1361	2446	2900	0	0	830	737	1.68	0.62	0.83	26	5	5	0	10.6	4	24			
NORTH CENTRAL DIVISION																																	
Algona 3 W	28.0	11.2	19.6	0.7	44	6	-23	19	0	15	31	8	1403	1429	2534	3089	0	0	707	600	1.78	0.75	0.68	26	6	5	0	14.0	6	17			
Allison	27.5	13.9	20.7	0.3	41	26	-19	19	0	16	30	8	1366	1381	2401	2927	0	0	769	707	1.98	0.75	0.56	26	8	5	0	16.0	4	24			
Britt														1430		3118		0			620						0						
Charles City	25.9	13.8	19.9	-0.6	40	26	-21	18	0	17	30	7	1394	1379	2461	2940	0	0	681	665	2.22	0.94	0.55	26	10	8	0	14.2	10	24			
Clarion	28.5	12.7	20.6	0.4	40	26	-21	19	0	15	31	8	1371	1387		2930	0	0		757								7	19				
Dakota City	29.1	12.5	20.8	0.3	45	6	-20	19	0	15	31	7	1364	1377	2419	2979	0	0	810	628	1.63	0.38	0.70	26	6	5	0	9.5	4	25			
Forest City 2 NNE	25.8	10.2	18.0	-1.1	40	26	-25	19	0	19	31	7	1450	1424	2625	3066	0	0	604	648	1.85	0.64	0.50	26	7	5	0	15.1	8	21			
Hampton	28.1	13.8	21.0	0.5	41	26	-19	19	0	15	31	7	1358	1379	2366	2952	0	0	834	679	2.08	0.63	0.58	24	9	5	0	16.1	5	20			
Kanawha																					1.72	0.49	0.50	26	6	5	0	10.0					
Lake Mills																					2.22	0.92	0.56	17	8	5	0	16.1	11	25			
Mason City	27.2	13.3	20.3	0.8	41	26	-21	19	0	18	30	7	1379	1412	2475	3097	0	0	689	578	2.14	0.95	0.58	26	10	5	0	14.0	7	25			
Mason City Airport	26.7	13.0	19.9	0.3	40	26	-23	18	0	15	30	7	1393	1409	2557	3089	0	0	697	616	2.16	0.92	0.59	25	11	7	0	14.9	10	24			
Nashua 2 SW																					2.34		0.62	26	9	7	0	16.0	8	24			
Northwood							-25	18						1449		3212		0			522		0.48	17	9	4	0						
Osage	25.3	12.2	18.8	-0.4	40	26	-21	19	0	19	31	8	1427	1421	2547	3062	0	0	665	618	2.78	1.15	0.65	26	10	9	0	19.0	11	24			
Saint Ansgar																					2.91		0.70	26	9	7	0	20.8	12	24			
Swea City 4 W	26.9	10.0	18.5	0.4	43	6	-28	18	0	19	31	7	1436	1455	2631	3182	0	0		594	2.18	1.32	1.03	26	8	4	1	10.6	6	19			
NORTHEAST DIVISION																																	
Cascade	29.2	17.7	23.5	1.0	43	26	-12	19	0	15	27	6	1282	1317	2226	2839	0	0	844	676	1.59	-0.14	0.38	26	9	6	0	13.0	6	19			
Cresco 1 NE	24.8	10.9	17.9	-0.7	39	26	-27	19	0	24	31	8	1454	1438		3234	0	0		498	2.57	1.15	0.61	26	13	8	0	20.7	14	24			
Decorah	26.9	14.5	20.7	-1.1	43	26	-21	18	0	16	30	5	1367	1337	2361	2817	0	0	844	707	2.13	0.91	0.50	25	11	6	0	16.1	10	19			

DECEMBER 2016				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	16-17	NORM	DEC	DEC	2016	NORM	TOTAL	DEP	EXT					MAX					
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2016	NORM	SEAS	SEAS	2016	VORM	SEAS	SEAS		NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY			
Dubuque Lock & Dam 11	27.7	16.4	22.1	-2.0	44	27	-11	20	0	16	29	5	1325	1269	2240	2609	0	0	970	906	1.82	0.15	0.45	5	10	8	0	18.2	6	12			
Dubuque Airport	27.0	15.1	21.1	-1.7	41	26	-18	18	0	20	30	5	1355	1310	2347	2810	0	0	787	643	1.50	-0.34	0.48	4	9	7	0	17.4	8	19			
Elkader 6 SSW	27.9	14.2	21.1	-0.5	44	26	-19	19	0	15	29	7	1356	1345	2487	2933	0	0	595	640	1.92	0.39	0.70	26	12	6	0	12.3	6	19			
Fayette	26.5	13.0	19.8	-0.5	42	26	-22	19	0	18	30	7	1394	1387	2441	3017	0	0	701	589	2.12	0.50	0.69	26	10	6	0	17.4	8	20			
Guttenberg L & D 10	28.7	17.0	22.9	-1.0	45	26	-15	18	0	16	30	4	1302	1274	2163	2638	0	0	1033	869	2.12	0.60	0.82	26	11	6	0	12.6	7	20			
Ionia 2 W																					1.80		0.53	26	9	6	0	15.5	9	24			
Manchester #2	27.1	14.6	20.9	-0.7	42	26	-18	19	0	18	30	7	1361	1344	2458	2948	0	0	688	608	2.10	0.66	0.91	26	11	7	0	12.5	7	20			
New Hampton	25.5	11.5	18.5	0.0	39	26	-23	18	0	21	31	8	1435	1441	2576	3139	0	0	603	541	2.61	1.02	0.70	26	11	7	0	20.6	12	24			
Oelwein 1 E	26.7	13.0	19.9	-0.2	40	27	-21	19	0	19	30	8	1393	1391	2385	2951	0	0	796	595	2.24	1.10	0.79	26	9	6	0	13.3	4	20			
Postville	26.3	12.8	19.6		42	26	-22	18	0	20	30	7	1402		2490		0		665		2.22	0.83	0.85	26	9	6	0	18.1	9	24			
Strawberry Point																					1.99		0.75	26	11	6	0	12.7	7	24			
Tripoli	26.5	12.8	19.7	-0.7	41	26	-21	19	0	19	30	8	1400	1384	2406	2983	0	0	830	651	2.26	0.88	0.61	26	9	6	0	14.8	7	24			
Waterloo Airport	28.3	15.9	22.1	-0.1	43	26	-17	18	0	14	29	6	1323	1328	2312	2811	0	0	869	799	1.87	0.67	0.53	4	8	5	0	10.5	5	24			
WEST CENTRAL DIVISION																																	
Audubon	31.1	12.6	21.9	-0.3	48	26	-17	19	0	15	31	4	1330	1327	2401	2850	0	0	802	735	1.30	0.10	0.68	26	6	3	0	5.1	1	24			
Battle Creek 3 NE	30.3	10.9	20.6		46	26	-23	18	0	15	31	6	1370		2514		0		852		1.12		0.63	26	7	3	0	6.3	2	19			
Carroll	30.7	13.6	22.2	0.1	46	22	-17	19	0	16	31	4	1323	1327	2317	2834	0	0	955	807	1.17	-0.04	0.56	26	7	4	0	4.9	3	24			
Castana Exp. Farm	31.0	12.5	21.8	-0.6	47	26	-18	19	0	15	31	5	1334	1319	2311	2796	0	0	935	783	1.44	0.50	0.75	26	9	3	0	11.2	5	24			
Denison	29.5	12.4	21.0	-3.1	48	26	-17	19	0	18	31	6	1361	1269	2406	2634	0	0	859	949	1.42	0.41	0.69	26	5	4	0	7.5	3	24			
Guthrie Center	32.5	14.6	23.6	0.4	49	6	-15	18	0	14	31	3	1276	1294	2255	2769	0	0	1007	814	1.42	-0.05	0.50	26	6	4	0	3.0	2	11			
Holly Springs 1 NW																					1.27		0.90	26	7	3	0	7.0	2	18			
Holstein	28.7	12.9	20.8		45	5	-21	18	0	17	31	7	1363		2416		0		873		1.41	0.26	0.65	26	5	4	0	8.7	2	25			
Little Sioux 2 NW	32.5	11.6	22.1		50	26	-20	19	0	15	31	5	1326		2359		0		994		1.89		0.72	26	7	6	0	13.0	4	25			
Logan	33.7	13.7	23.7	0.2	52	26	-17	18	0	13	31	2	1273	1285	2213	2712	0	0	1116	929	1.28	0.03	0.76	26	8	2	0	3.4	1	23			
Mapleton #2	30.8	12.0	21.4	-0.4	46	29	-19	19	0	15	31	3	1344	1339	2452	2873	0	0	875	794	1.45	0.44	0.75	26	5	3	0	6.0	3	24			
Rockwell City	30.8	13.6	22.2	1.2	49	6	-19	19	0	15	31	7	1320	1362	2328	2917	0	0	881	715	1.66	0.57	0.65	26	6	4	0	12.0	6	24			
Sac City	29.1	12.2	20.7	0.0	45	6	-21	18	0	16	31	7	1368	1372	2499	2998	0	0	786	659	0.82	-0.33	0.40	26	5	4	0	6.0	3	24			
Sioux City Airport	34.2	15.2	24.7	2.1	51	4	-20	18	0	13	29	3	1241	1316	2185	2792	0	0	1165	870	1.48	0.68	1.09	25	6	2	1	4.5	2	20			
CENTRAL DIVISION																																	
Ames Airport	32.5	16.9	24.7	1.6	48	25	-16	18	0	12	27	4	1241	1300	2163	2754	0	0	971	752			0.68	25			0						
Ames 8 WSW	32.0	17.3	24.7	1.0	46	26	-17	18	0	13	30	3	1242	1280	2048	2611	0	0	1103	878	1.21	0.05	0.40	25	7	4	0	5.0	2	23			
Ames 5 SE	31.2	15.4	23.3	0.2	47	26	-17	19	0	14	30	5	1287	1299		2755	0	0	745	1.42	0.15	0.43	4	9	4	0	5.0	1	24				
Ankeny	32.4	16.6	24.5	-0.1	50	6	-14	18	0	14	29	4	1248	1254	2118	2605	0	0	1061	947	1.31	0.08	0.45	26	7	4	0	3.4	1	20			
Boone	31.2	14.3	22.8	0.3	46	26	-17	19	0	15	31	4	1303	1319	2261	2790	0	0	888	742	1.33	-0.20	0.52	4	10	2	0	5.0	2	24			
Brooklyn																					1.54	0.11	1.01	26	9	3	1	3.2	1	21			
Clutier																					1.80	0.38	0.91	26	8	5	0	7.0	3	19			
Des Moines Airport	35.2	19.5	27.4	1.4	53	25	-12	18	0	12	26	3	1160	1209	1843	2467	0	0	1448	1068	1.41	-0.03	0.53	25	7	3	0	3.8	2	20			
Des Moines Camp Dodge	33.8	18.1	26.0	1.2	50	5	-16	18	0	12	27	4	1202	1246	1995	2567	0	0	1163	937	1.22	-0.09	0.38	4	7	4	0	3.9	1	23			
Eldora	28.6	14.0	21.3	0.2	43	26	-19	19	0	15	31	8	1350	1359	2373	2893	0	0	858	724	1.79	0.41	0.47	4	8	6	0	9.6	5	24			
Fort Dodge 5 NNW	29.3	13.1	21.2	0.2	45	6	-20	18	0	15	31	7	1350	1365	2437	2904	0	0	700	755	2.01	0.79	0.73	26	6	6	0	12.0	4	25			
Gilman																					1.31	0.09	0.70	26	6	4	0	8.0	4	5			
Grinnell 3 SW	31.0	16.4	23.7	0.4	49	26	-15	19	0	13	28	5	1272	1293	2255	2817	0	0	803	670	2.09	0.62	1.12	26	6	5	1	6.8	3	20			
Grundy Center	28.9	14.8	21.9	0.5	49	26	-18	19	0	15	30	8	1328	1351	2330	2892	0	0	830	701	1.35	0.04	0.40	26	7	5	0	8.5	3	20			
Iowa Falls	28.2	13.9	21.1	0.3	42	26	-19	18	0	17	31	8	1356	1370	2400	2913	0	0	753	702	2.01	0.51	0.52	26	9	5	0	11.0	5	24			
Marshalltown	30.9	16.1	23.5	1.0	47	26	-15	19	0	14	28	5	1278	1316	2219	2825	0	0	921	755	1.72	0.48	0.57	26	7	4	0	3.5	1	24			
Marshalltown Airport	30.6	16.2	23.4	0.9	48	25	-16	18	0	13	29	5	1280	1316	2227	2812	0	0	923	727			0.49	25			0						

DECEMBER 2016				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW									
				TEMPERATURE (F)																PRECIPITATION (Inches)													
								NUMBER OF DAYS				HEATING DEGREE DAYS				COOLING DEGREE DAYS								NUMBER OF DAYS				SNOWFALL (Inches)					
				AVG	AVG		DEP	EXT		EXT		MAX	MAX	MIN	MIN	DEC	DEC	16-17	NORM	DEC	DEC	2016	NORM			DEP	EXT						MAX
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2016	NORM	SEAS	SEAS	2016	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY			
Montezuma 1 W																																	
Newton	31.2	16.7	24.0	0.9	48	26	-14	19	+	0	14	27	5	1265	1300	2160	2724	0	0	1020	838	1.24	-0.27	0.76	26	7	4	0	3.5	2	20	+	
Perry	32.8	15.9	24.4	1.1	49	26	-16	19	+	0	14	29	4	1251	1293	2137	2747	0	0	1104	846	1.64	0.36	0.77	26	6	3	0	2.4	1	20		
Toledo 3 N	29.6	14.5	22.1	-0.3	46	26	-17	19	+	0	14	29	7	1327	1322	2316	2805	0	0	823	708	1.33	0.11	0.62	26	7	4	0	8.3	3	4		
Webster City	30.0	13.3	21.7	0.6	44	31	-20	18		0	15	31	8	1336	1361	2403	2907	0	0	727	697	1.45	0.23	0.52	26	7	4	0	8.5	4	24	+	
Zearing																																	
EAST CENTRAL DIVISION																																	
Anamosa 3 SSW	29.4	17.1	23.3	0.7	43	27	-11	19	+	0	13	29	6	1288	1313	2228	2854	0	0	777	633	1.66	-0.06	0.42	26	9	7	0	11.6	4	20	+	
Belle Plaine	31.0	16.9	24.0	1.3	48	26	-14	18		0	12	28	5	1266	1313	2184	2801	0	0	924	737	1.59	0.09	0.80	26	6	4	0	6.0	2	20	+	
Bellevue Lock & Dam 12	29.6	16.8	23.2	-1.0	44	27	-16	19	+	0	14	29	6	1290	1265	2172	2675	0	0	1009	786	1.72	-0.04	0.40	5	8	8	0	16.2	5	24	+	
Cedar Rapids Airport	29.5	16.4	23.0	-0.3	47	25	-16	18		0	14	30	5	1296	1293	2213	2739	0	0	970	748			0.47	4								
Cedar Rapids #1	30.4	17.8	24.1	-1.3	46	26	-15	18		0	13	29	4	1260	1229	2066	2487	0	0	1184	950	1.61	-0.02	0.56	4	9	5	0	10.0	5	18	+	
Clinton #1	30.8	18.4	24.6	-1.6	50	26	-13	19		0	14	28	4	1247	1201	2012	2436	0	0	1210	956	1.40	-0.51	0.56	4	10	5	0	14.4	7	4		
Coggon	27.7	15.3	21.5		43	26	-16	19		0	15	29	6	1340		2384		0		768		1.86		0.73	26	9	5	0	15.9	5	20	+	
Davenport Airport	31.3	18.2	24.8	-0.5	54	25	-13	18		0	13	29	4	1243	1232	2098	2580	0	0	1063	786	1.48		0.56	4	8	5	0	16.5	7	5		
De Witt																																	
Iowa City	31.1	17.4	24.3	-2.3	51	26	-12	19		0	13	27	6	1257	1189	2146	2374	0	0	1073	1066	1.10	-0.75	0.34	26	7	5	0	12.5	4	18	+	
Iowa City Airport	32.3	18.7	25.5	0.3	52	25	-12	18		0	13	26	2	1219	1232	2021	2539	0	0	1192	912	1.13	-0.56	0.40	5	8	3	0	7.0	3	5		
Le Claire L & D 14	31.7	19.1	25.4	-1.0	53	26	-11	19		0	14	27	5	1219	1196	1968	2405	0	0	1256	1020			0.38	4								
Lowden	31.3	17.3	24.3	0.6	49	25	-16	18		0	12	29	5	1254	1282	2130	2732	0	0	1075	699	1.45	-0.72	0.58	5	6	4	0					
Maquoketa 4 W	28.1	15.6	21.9	-0.5	46	26	-16	19		0	16	29	6	1329	1320	2317	2875	0	0	854	616	1.63	-0.45	0.48	4	9	7	0	13.2	4	18	+	
Monticello																																	
Muscatine	32.0	18.0	25.0	-2.3	53	26	-15	19		0	13	27	3	1231	1170	2038	2334	0	0	1242	1101	1.69	-0.11	0.44	26	8	7	0	13.0	3	21	+	
Muscatine 2 N																																	
Swisher																																	
Vinton	27.4	14.0	20.7	-3.0	43	26	-18	19	+	0	18	31	8	1367	1279	2428	2668	0	0	840	803	1.46		0.38	26	8	5	0	10.5	5	18		
Williamsburg 1 E	30.6	16.5	23.6	0.1	50	26	-14	19	+	0	13	29	5	1280	1288	2193	2728	0	0	1052	768	1.34	-0.74	0.46	5	6	4	0	8.2	4	19	+	
SOUTHWEST DIVISION																																	
Atlantic 1 NE	33.9	14.6	24.3	0.8	53	26	-17	18		0	13	31	2	1257	1285	2154	2741	0	0	985	850	1.32		0.43	5	8	4	0	12.8	5	19	+	
Bedford	34.3	15.2	24.8	-0.8	55	26	-15	19	+	0	11	31	3	1244	1221	2039	2519	0	0	1146	967	1.24		0.37	26	8	5	0	6.5	3	20	+	
Clarinda	34.5	15.3	24.9	0.1	53	26	-14	18		0	10	31	2	1240	1246	2141	2645	0	0	901	847	1.13	-0.13	0.52	4	5	2	0	1.0	1	18		
Glenwood	34.5	15.5	25.0	-0.1	56	26	-11	19	+	0	10	31	2	1235	1235	2101	2556	0	0	1154	860	1.11	0.03	0.54	4	4	3	0	1.5	1	19	+	
Greenfield	32.2	14.2	23.2	-2.8	52	26	-16	19	+	0	13	31	4	1288	1209	2176	2442	0	0	1011	997	1.34	-0.07	0.56	4	6	3	0	1.8	1	18	+	
Hastings 4 NE																																	
Massena																																	
Oakland	32.8	14.8	23.8	-0.7	53	26	-14	19		0	13	31	2	1270	1254	2157	2617	0	0	1076	898	1.25		0.58	4	5	4	0	2.0	T	23	+	
Randolph																																	
Red Oak	35.4	15.9	25.7	0.0	55	26	-14	19		0	10	30	2	1213	1217	2022	2514	0	0	1202	1038	1.41		0.59	26	5	3	0	2.0	1	18	+	
Shenandoah	35.6	16.1	25.9	-0.8	56	26	-13	19	+	0	10	31	2	1207	1187	1992	2416	0	0	1313	1135	1.15	-0.03	0.51	26	5	3	0	2.4	1	4		
Sidney 1 SSE	34.1	15.5	24.8	-1.9	55	26	-13	19	+	0	10	31	2	1207	1187	1992	2416	0	0	1313	1135	1.26	-0.01	0.61	4	5	3	0	1.0	1	19	+	
Underwood																																	
SOUTH CENTRAL DIVISION																																	
Albia 3 NNE	33.7	18.2	26.0	0.0	53	26	-15	18		0	12	28	2	1202	1209	2040	2502	0	0		897	1.28	-0.16	0.50	26	8	4	0	3.8	3	20	+	
Allerton	33.1	15.8	24.5	-1.0	56	26	-16	19		0	11	29	4	1249	1224	2077	2531	0	0	1039	874	1.11	-0.41	0.54	26	7	3	0	1.0	1	20	+	
Beaconsfield	33.1	15.0	24.1	-1.3	55	26	-18	19		0	11	31	2	1262	1228	2101	2569	0	0	956	847	1.01	-0.28	0.46	26	7	3	0	1.9	1	21	+	

DECEMBER 2016				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	16-17	NORM	DEC	DEC	2016	NORM		DEP	EXT					MAX			
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2016	NORM	SEAS	SEAS	2016	VORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY	
Centerville	34.5	17.1	25.8	-1.5	57	26	-15	19	0	11	29	2	1205	1167	2048	2423	0	0	1118	937	1.21	-0.13	0.53	26	8	3	0	3.3	3	20	
Chariton 1 E	33.4	15.9	24.7	-0.5	53	26	-14	19	0	12	29	2	1242	1234	2167	2637	0	0	937	796	1.20	0.02	0.49	26	8	3	0	3.2	2	20	
Creston 2 SW	32.8	14.3	23.6	-0.6	53	26	-16	19	0	12	31	4	1277	1265	2132	2649	0	0	1002	850	1.33	-0.11	0.71	26	7	2	0	1.1	1	4	
Indianola 4 W	34.0	16.6	25.3	0.1	51	26	-15	19	0	12	27	3	1223	1235	2034	2588	0	0	1153	869	1.33	0.02	0.47	26	6	5	0	4.1	3	18	
Knoxville	32.7	17.6	25.2	-0.5	51	26	-14	19	0	12	27	2	1230	1217	2041	2493	0	0	1121	972	1.46	0.04	0.53	26	7	5	0	4.1	2	18	
Lamoni	34.5	16.5	25.5	-1.0	56	26	-14	19	0	11	30	3	1219	1192	1943	2444	0	0	1382	1051	1.45	-0.13	0.76	26	6	3	0	2.7	2	20	
Lamoni Airport	35.4	17.5	26.5	-0.4	57	25	-16	18	0	12	30	3	1187	1181	1917	2429	0	0	1165	947	1.47		0.85	25	7	3	0				
Lorimor																					1.14	-0.36	0.53	26	6	2	0	1.9	1	18	
Mount Ayr	32.9	14.8	23.9	-1.4	54	26	-17	18	0	12	31	2	1272	1229	2163	2569	0	0	1016	836	1.16	-0.25	0.47	26	5	3	0	2.0	2	20	
Osceola	34.4	15.2	24.8	-0.5	55	26	-18	19	0	11	29	2	1240	1231	2105	2576	0	0	1120	903	1.34	-0.13	0.75	26	7	4	0	2.2	1	21	
Pella 1 S																					1.49	0.27	0.60	26	8	4	0	3.5	2	20	
Rathbun Dam	33.3	17.6	25.5	-1.2	55	26	-10	19	0	11	29	3	1220	1189	2021	2440	0	0	1146	962	1.28	-0.05	0.54	26	9	4	0	3.3	3	20	
Winterset 1 S	34.0	17.2	25.6	1.4	51	6	-20	19	0	12	27	3	1213	1263	2037	2654	0	0	976	814	1.62	0.52	0.79	26	6	3	0	2.9	2	18	
SOUTHEAST DIVISION																															
Bloomfield 1 WNW																		0			966	1.05	-0.45	0.53	26	6	3	0	4.0	2	20
Burlington Airport	33.8	20.9	27.4	-1.7	57	25	-9	18	0	13	26	2	1159	1113	1915	2186	0	0	1276	1207	1.55	-0.54	0.70	4	8	3	0	6.3	3	5	
Donnellson	34.9	19.0	27.0		58	26	-10	19	0	11	29	3	1174		1909		0		1381		1.51	-0.59	0.59	26	8	4	0	7.7	3	5	
Fairfield	32.8	19.6	26.2	-1.6	54	26	-11	19	0	11	27	2	1194	1153	2006	2299	0	0	1174	1086	1.23	-0.49	0.51	26	8	4	0	4.7	2	20	
Fort Madison	34.4	21.3	27.9	-1.4	55	25	-9	18	0	13	27	2	1145	1108	1844	2178	0	0	1254	1200	1.30	-0.96	0.50	4	6	4	0	3.5	2	18	
Keokuk Lock & Dam 19	35.0	20.8	27.9	-1.1	60	26	-8	19	0	11	26	3	1141	1114	1840	2208	0	0	1375	1143	1.37	-0.75	0.57	26	7	2	0	5.7	3	19	
Keosauqua	34.2	18.7	26.5		58	26	-11	18	0	11	28	3	1191	1153		2323	0	0	1222	1076	0.95	-0.98	0.32	26	6	3	0	4.0	2	5	
Mount Pleasant 1 SSW	32.6	17.7	25.2	-2.7	54	26	-13	19	0	12	28	4	1229	1150	2090	2294	0	0	1084	1067	1.13	-0.67	0.38	5	8	4	0	7.9			
Oskaloosa	32.7	18.4	25.6	0.9	50	26	-14	18	0	12	26	4	1218	1249	2050	2612	0	0	1142	855	1.27	-0.07	0.45	26	7	5	0	2.9	1	20	
Ottumwa Airport	34.9	20.0	27.5	1.5	55	25	-12	18	0	12	25	4	1156	1207	1949	2505	0	0	1122	938	1.37	0.00	0.63	25	5	3	0	2.2	2	18	
Salem 1 S																					0.98		0.40	26	7	4	0	5.3	2	5	
Sigourney	32.1	17.0	24.6	-0.3	49	26	-14	19	0	13	28	5	1246	1243		2588	0	0		859	1.55	0.10	0.76	26	7	6	0	5.5	2	20	
Washington	31.9	17.5	24.7	-0.2	53	26	-14	19	0	12	28	5	1241	1243	2092	2584	0	0	1086	873	1.01	-0.68	0.29	5	7	5	0	5.5	2	20	
SUPPLEMENTAL STATIONS																															
Moline Airport	33.6	20.0	26.8	0.2	56	26	-14	18	0	13	26	2	1176	1190	1957	2421	0	0	1314	1005	1.58	-0.60	0.61	4	7	5	0	13.8	5	5	
Omaha Eppley AP	36.0	17.8	26.9	0.9	54	25	-11	18	0	11	29	2	1173	1209	1924	2479	0	0	1476	1112	1.47	0.43	0.77	25	8	3	0	3.2	1	18	
Sioux Falls WFO AP	28.7	11.1	19.9	0.7	45	5	-27	18	0	16	31	8	1391	1421	2526	3133	0	0	879	691	1.92	1.23	1.23	25	5	3	1	10.9	8	18	
DIVISIONAL AND STATE AVERAGES																															
Northwest	28.6	11.5	20.1	0.4	47	5	-29	19	0	16	31	8	1388	1404	2526	3037	0	0	823	700	1.44	0.54	1.10	26	7	3	0	7.9	9	20	
North Central	27.2	12.4	19.8	0.3	45	6	-28	18	0	17	31	7	1395	1410	2502	3049	0	0	717	633	2.14	0.90	1.03	26	8	6	0	14.7	12	24	
Northeast	27.1	14.2	20.7	-0.6	45	26	-27	19	0	18	30	7	1368	1353	2376	2903	0	0	787	663	2.05	0.56	0.91	26	10	6	0	15.4	14	24	
West Central	31.1	12.9	22.0	-0.3	52	26	-23	18	0	15	31	5	1325	1324	2358	2813	0	0	931	812	1.37	0.28	1.09	25	6	4	0	7.0	6	24	
Central	31.1	15.7	23.4	0.6	53	25	-20	18	0	14	29	5	1282	1309	2217	2768	0	0	947	787	1.55	0.23	1.12	26	7	4	0	6.3	5	24	
East Central	30.3	17.1	23.7	-0.8	54	25	-18	19	0	14	29	5	1274	1254	2162	2615	0	0	1031	833	1.51	-0.23	1.10	26	8	5	0	11.1	7	5	
Southwest	34.1	15.2	24.7	-0.7	56	26	-17	18	0	11	31	2	1244	1227	2095	2544	0	0	1104	951	1.25	0.01	0.84	26	5	3	0	1.7	2	18	
South Central	33.7	16.4	25.1	-0.6	57	26	-20	19	0	12	29	3	1232	1219	2059	2540	0	0	1087	892	1.31	-0.07	0.85	25	7	3	0	2.7	3	20	
Southeast	33.6	19.2	26.4	-0.6	60	26	-14	19	0	12	27	3	1190	1177	1966	2391	0	0	1212	1012	1.25	-0.56	0.76	26	7	4	0	5.0	3	19	
State	30.6	14.8	22.7	-0.2	60	26	-29	19	0	15	30	5	1305	1304	2266	2759	0	0	948	800	1.55	0.21	1.12	26	7	4	0	8.2	14	24	

DECEMBER 2016			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
NORTHWEST DIVISION																																		
Cherokee	8	MAX	33	35	35	36	45	45	26	21	21	18	26	26	27	17	14	12	18	2	10	26	42	43	41	33	33	45	25	38	43	37	46	29.6
		MIN	30	31	25	26	29	16	10	7	2	3	15	-2	-3	-1	-4	-2	2	-24	-23	10	18	15	18	14	13	20	15	17	28	18	20	11.1
Emmetsburg	8	MAX	36	35	36	38	44	45	25	22	23	19	25	26	18	16	11	14	17	6	5	28	39	41	40	33	33	42	24	38	40	35	42	28.9
		MIN	32	31	29	29	29	17	10	9	3	3	9	-3	-4	-6	-8	-3	-1	-23	-23	9	25	18	20	18	20	19	17	18	27	19	22	11.7
Estherville Airport	24	MAX	35	33	36	43	44	31	22	22	17	19	23	14	15	15	10	16	9	4	25	34	38	35	33	31	41	39	32	37	33	39	31	27.6
		MIN	32	29	28	31	28	13	9	8	0	7	1	-7	-8	-4	-13	7	-19	-28	-2	21	24	15	28	14	31	17	15	27	22	17	19	11.7
Estherville 4 E	7	MAX	33	34	33	36	42	44	23	21	21	17	21	23	13	14	8	11	16	4	4	28	33	39	35	32	32	44	20	32	37	33	39	26.5
		MIN	31	29	27	27	28	16	8	8	0	2	6	-7	-7	-5	-12	-11	4	-27	-26	1	22	15	17	15	17	17	15	15	27	16	21	9.3
Hawarden	7	MAX	33	34	34	36	44	44	25	20	20	16	24	25	27	18	14	13	21	1	6	32	40	41	44	34	34	45	26	37	42	36	41	29.3
		MIN	30	30	26	26	29	17	10	7	1	1	14	-1	-1	0	-2	0	1	-24	-24	6	23	16	15	15	15	18	17	17	27	18	21	11.2
Le Mars	7	MAX	33	34	35	35	47	43	27	20	21	18	25	26	29	19	15	13	20	2	6	29	44	43	43	33	33	45	26	38	44	38	42	29.9
		MIN	30	30	25	27	28	16	12	10	1	1	14	-3	-1	-1	-3	-2	1	-25	-25	2	20	17	17	14	14	17	16	16	28	18	18	10.7
Pocahontas	8	MAX	35	36	36	39	39	45	27	22	23	19	26	26	23	15	11	14	17	2	3	26	38	41	40	32	33	42	24	37	42	36	43	28.8
		MIN	31	31	30	30	30	18	10	8	3	3	12	-6	-6	-2	-8	-6	1	-25	-25	2	21	20	20	12	12	22	18	19	28	19	22	11.1
Primghar	16	MAX	33	33	37	44	44	42	22	21	19	16	24	23	22	14	12	17	16	2	23	38	40	40	38	34	34	44	35	39	35	40	36	29.6
		MIN	30	30	29	29	31	16	8	7	0	10	11	-5	-6	6	-7	10	-4	-23	-2	22	27	16	31	16	32	16	16	28	26	18	20	14.1
Rock Rapids	8	MAX	34	34	34	36	44	43	24	20	20	15	22	22	21	17	10	13	18	0	5	31	38	41	38	34	33	44	22	36	40	36	41	27.9
		MIN	31	30	26	27	28	16	9	7	0	0	9	-5	-5	-5	-6	-5	0	-27	-29	5	21	14	13	18	20	15	15	15	26	18	22	9.8
Sanborn	8	MAX	32	32	32	35	43	44	23	20	20	15	21	23	22	15	9	11	17	1	4	24	36	38	39	39	32	43	21	34	37	34	38	26.9
		MIN	29	30	28	28	30	15	7	6	0	0	8	-5	-7	-7	-8	-6	-1	-25	-24	4	21	15	14	14	17	16	15	15	26	18	22	9.5
Sheldon	7	MAX	34	33	34	37	45	45	25	21	21	16	23	24	23	16	10	12	18	1	7	27	37	39	39	34	33	43	22	37	40	35	40	28.1
		MIN	30	32	28	28	33	18	8	8	1	1	10	-7	-8	-7	-8	-4	1	-26	-28	4	21	15	14	16	19	17	16	15	27	17	21	10.1
Sibley	7	MAX	31	32	33	36	42	43	22	18	20	14	20	21	20	15	8	10	13	0	2	25	34	38	35	33	31	41	20	32	36	32	37	25.6
		MIN	29	29	25	25	28	15	7	6	0	0	7	-5	-6	-6	-9	-7	-1	-25	-25	2	18	11	12	16	19	14	13	14	24	16	18	8.5
Sioux Center 2 SE	16	MAX	33	35	36	41	42	42	23	22	21	19	24	26	25	17	12	19	17	3	24	39	40	42	40	33	36	44	37	40	38	43	38	30.7
		MIN	30	31	27	31	29	16	9	7	1	12	16	-4	-3	7	-4	9	-4	-26	-2	21	23	14	30	15	27	16	17	28	27	17	21	14.1
Sioux Rapids 4 E	22	MAX	35	36	37	44	44	34	23	23	19	20	27	22	15	15	10	16	12	2	24	39	41	40	33	33	40	42	37	41	36	42	32	29.5
		MIN	32	31	28	31	28	15	9	8	2	10	6	-3	-4	0	-7	8	-13	-25	0	18	22	16	29	15	31	18	16	28	27	17	21	13.4
Spencer Airport	24	MAX	36	35	38	46	47	30	23	23	19	21	25	22	15	16	12	19	10	4	27	38	41	39	35	34	43	36	35	39	36	41	32	29.6
		MIN	32	31	27	30	29	13	9	7	0	9	1	-6	-9	-2	-10	9	-18	-27	2	21	26	15	28	19	32	19	16	29	24	18	21	12.7
Spencer 1 N	24	MAX	33	34	37	45	45	30	22	22	19	20	24	21	14	16	11	18	9	4	26	39	40	39	34	31	43	39	36	39	35	41	31	28.9
		MIN	30	30	28	31	30	12	9	7	2	9	2	-4	-5	-2	-8	7	-18	-24	0	25	24	17	31	14	31	16	16	30	24	19	20	13.0
Spirit Lake 4 W	24	MAX	34	33	37	44	46	29	22	22	18	19	23	18	14	15	12	16	9	4	25	35	40	37	34	31	42	36	35	38	35	41	31	28.2
		MIN	31	29	27	31	29	12	8	8	1	7	-1	-5	-6	-4	-10	9	-18	-25	2	23	24	16	30	15	31	16	15	27	21	18	20	12.3
Storm Lake	8	MAX	33	34	35	36	41	46	27	21	21	18	25	26	24	16	13	14	16	3	6	24	37	42	39	34	33	42	25	37	43	36	42	28.7
		MIN	30	30	31	28	31	16	10	9	2	2	12	-3	-1	-2	-1	-4	3	-22	-22	3	22	21	20	14	15	21	18	19	28	19	20	11.9
NORTH CENTRAL DIVISION																																		
Algona 3 W	6	MAX	37	37	33	38	37	44	25	23	23	19	22	26	16	16	11	12	16	9	1	25	36	39	37	33	35	41	25	36	40	36	39	28.0
		MIN	31	30	29	28	28	20	11	9	6	4	9	-4	-7	-4	-9	-9	8	-23	-23	-3	22	21	19	17	14	24	17	16	27	19	19	11.2

DECEMBER 2016			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
Allison	7	MAX	36	35	33	39	34	34	31	23	22	20	23	27	13	17	16	12	16	12	-1	24	37	39	35	33	35	41	30	31	37	33	36	27.5
		MIN	33	31	30	30	28	29	14	10	11	7	13	-1	-4	-5	-6	-8	8	-19	-19	-3	21	18	19	31	31	27	20	20	27	18	21	13.9
Britt	7	MAX	M	M	M	M	M	M	25	21	21	M	M	24	14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
		MIN	M	M	M	M	M	M	10	8	7	M	M	-4	-6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Charles City	22	MAX	35	34	36	33	34	31	22	20	18	19	26	15	11	16	5	15	13	-6	18	34	38	33	32	34	36	40	27	36	31	33	33	25.9
		MIN	33	29	29	31	27	19	13	11	8	11	15	-1	-5	-1	-9	5	-6	-21	-8	16	19	16	28	30	30	20	16	18	26	17	13	13.8
Clarion	7	MAX	35	37	35	38	34	38	27	23	24	21	24	28	18	18	15	13	18	10	3	24	37	40	40	34	34	40	28	36	39	34	39	28.5
		MIN	31	31	31	32	28	26	13	11	11	9	13	-4	-5	-5	-9	-10	9	-21	-21	-2	19	18	17	21	21	28	18	17	27	20	20	12.7
Dakota City	8	MAX	35	36	37	39	36	45	27	23	23	21	24	27	22	14	14	14	18	8	4	25	38	41	40	33	33	44	25	37	41	35	42	29.1
		MIN	31	31	30	32	29	22	11	9	5	5	13	-3	-3	-3	-6	-6	8	-19	-20	4	22	17	17	17	18	23	18	17	28	19	22	12.5
Forest City 2 NNE	7	MAX	34	34	30	35	35	39	25	22	21	21	21	25	12	14	9	10	13	8	1	25	33	37	34	33	32	40	23	32	36	32	34	25.8
		MIN	30	29	28	28	29	20	11	9	7	7	7	-6	-8	-9	-11	-11	8	-24	-25	1	20	18	15	18	16	23	16	15	23	16	16	10.2
Hampton	7	MAX	36	36	35	40	33	38	28	23	25	21	23	28	15	16	14	13	16	11	3	25	37	40	37	34	33	41	28	33	38	35	37	28.1
		MIN	32	32	30	31	30	26	13	10	9	9	13	-1	-3	-3	-7	-7	9	-18	-19	2	22	20	20	23	23	28	19	17	27	19	21	13.8
Mason City	7	MAX	36	36	32	37	34	37	27	24	22	21	22	27	13	16	12	11	15	12	1	25	35	40	37	34	32	41	27	32	38	33	35	27.2
		MIN	33	31	29	30	29	26	13	11	11	9	11	-1	-4	-5	-6	-7	9	-20	-21	1	18	20	18	28	23	27	18	19	26	17	19	13.3
Mason City Airport	24	MAX	35	33	37	34	36	34	22	23	21	20	26	12	13	16	8	15	11	-1	21	34	39	35	33	33	37	40	27	36	33	34	32	26.7
		MIN	33	29	29	32	26	16	11	10	7	10	11	-5	-8	-1	-11	8	-14	-23	-2	16	17	16	30	22	31	19	17	24	23	15	15	13.0
Northwood	7	MAX	34	32	31	32	33	34	22	20	18	17	20	23	9	12	5	9	12	9	0	M	M	M	M	M	M	M	M	M	M	M	M	M
		MIN	31	28	28	28	26	21	11	9	6	6	6	-5	-8	-9	-11	-11	8	-25	-24	M	M	M	M	M	M	M	M	M	M	M	M	M
Osage	7	MAX	34	35	31	35	33	35	24	21	19	18	23	25	11	14	8	10	14	10	-4	23	34	38	33	33	34	40	24	30	35	31	32	25.3
		MIN	32	31	28	28	28	23	12	10	8	7	10	0	-7	-7	-9	-9	9	-20	-21	-4	22	16	15	30	31	23	16	17	26	16	16	12.2
Swea City 4 W	7	MAX	35	34	32	37	42	43	25	22	24	19	21	25	13	14	8	11	15	8	2	26	34	39	37	32	32	41	21	32	39	34	37	26.9
		MIN	31	29	28	28	28	18	10	9	2	2	8	-5	-8	-9	-13	-12	8	-28	-27	1	22	16	14	17	21	19	16	14	27	22	23	10.0
NORTHEAST DIVISION																																		
Cascade	7	MAX	39	38	37	38	35	34	34	24	23	23	26	32	16	18	18	15	19	18	-2	24	34	38	34	35	36	43	41	30	39	32	35	29.2
		MIN	35	35	31	32	31	32	19	14	14	15	19	11	5	0	-2	-1	15	-10	-12	-4	16	24	20	32	33	33	22	20	28	19	22	17.7
Cresco 1 NE	7	MAX	35	35	31	32	32	33	28	19	21	18	20	25	11	11	9	8	13	11	-4	21	32	36	31	32	33	39	32	32	34	30	30	24.8
		MIN	32	30	27	28	28	28	12	10	8	6	7	0	-9	-8	-15	-13	8	-22	-27	-4	20	17	17	29	26	27	17	7	25	13	14	10.9
Decorah	16	MAX	38	36	35	34	36	34	25	22	21	18	26	25	10	10	6	14	13	8	15	33	36	36	33	36	33	43	25	36	35	31	32	26.9
		MIN	34	31	29	31	30	23	15	12	9	9	14	3	-6	-3	-10	1	8	-21	-11	13	16	21	26	32	31	21	19	11	25	15	23	14.5
Dubuque Lock & Dam 11	6	MAX	37	37	35	35	33	33	33	22	22	22	24	28	18	17	16	12	17	15	-3	20	31	36	34	34	34	42	44	28	37	32	33	27.7
		MIN	34	34	29	29	29	30	19	13	13	13	16	14	5	2	-3	-4	11	-9	-11	-11	20	22	22	30	30	30	21	18	25	19	19	16.4
Dubuque Airport	24	MAX	37	36	35	32	33	32	22	21	19	21	29	22	16	15	7	17	15	4	16	30	36	36	33	34	41	41	27	36	32	31	32	27.0
		MIN	34	30	29	29	29	20	16	11	12	12	21	4	-4	-6	-9	7	4	-18	-11	15	15	20	26	31	31	24	19	22	26	17	13	15.1
Elkader 6 SSW	7	MAX	37	37	34	37	34	34	33	23	22	22	24	27	13	16	15	12	16	15	-2	24	32	38	33	34	35	44	39	32	38	33	34	27.9
		MIN	34	33	29	29	31	32	16	12	12	11	15	6	-3	-7	-7	-7	9	-19	-19	-8	14	22	15	32	31	31	19	13	27	19	18	14.2
Fayette	7	MAX	35	36	33	36	33	32	31	21	21	18	23	26	11	15	13	10	15	13	-4	23	33	36	33	33	34	42	40	30	37	31	31	26.5
		MIN	33	32	28	29	29	30	14	10	8	7	13	1	-5	-5	-10	-10	8	-22	-22	-5	20	21	18	30	31	31	17	17	25	15	16	13.0

DECEMBER 2016			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW							
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Guttenberg L & D 10	24	MAX	38	37	36	36	39	32	22	21	23	22	28	24	14	18	10	17	17	5	17	36	39	37	34	36	38	45	29	39	35	34	32	28.7				
		MIN	37	31	29	27	31	21	17	13	17	16	22	8	0	2	-4	8	4	-15	-9	16	21	22	22	32	32	24	19	19	28	18	18	17.0				
Manchester #2	7	MAX	36	37	36	38	33	32	33	22	21	19	24	28	13	15	16	12	16	16	-5	22	32	37	31	34	33	42	37	29	36	32	34	27.1				
		MIN	33	32	29	28	31	31	15	11	10	10	15	4	-3	-4	-7	-7	12	-18	-18	-5	20	23	19	30	31	31	20	16	27	18	18	14.6				
New Hampton	8	MAX	34	34	31	36	36	32	28	20	19	19	22	25	10	15	10	10	14	11	-5	21	36	37	31	34	35	39	32	29	34	30	32	25.5				
		MIN	31	30	27	27	28	28	12	9	8	7	11	0	-6	-6	-12	-12	10	-23	-22	-9	15	15	15	30	30	30	15	15	25	14	16	11.5				
Oelwein 1 E	7	MAX	36	37	34	38	33	32	32	21	20	20	24	27	11	15	13	12	15	12	-6	22	32	36	32	34	34	40	40	29	37	32	33	26.7				
		MIN	33	32	29	29	30	30	13	9	6	7	12	-1	-5	-5	-10	-10	12	-21	-21	-8	16	19	18	31	31	31	18	20	25	17	17	13.0				
Postville	7	MAX	36	37	33	35	32	37	32	21	21	17	22	26	12	14	10	9	14	13	-3	22	32	36	33	33	35	42	32	32	37	31	32	26.3				
		MIN	33	32	28	28	29	29	14	14	6	6	10	1	-7	-7	-10	-10	8	-22	-20	-3	20	20	20	30	31	31	20	14	26	13	13	12.8				
Tripoli	7	MAX	35	36	32	38	33	32	30	22	20	19	23	27	12	16	13	11	15	12	-5	23	37	38	34	33	33	41	32	30	37	31	33	26.5				
		MIN	33	31	29	29	29	30	13	10	6	5	13	-1	-4	-4	-10	-11	9	-20	-21	-6	19	16	15	31	30	31	18	19	25	16	17	12.8				
Waterloo Airport	24	MAX	37	35	40	34	34	33	23	22	21	22	30	14	13	18	10	17	15	-3	20	36	40	35	34	35	42	43	33	40	35	38	32	28.3				
		MIN	34	31	30	32	29	20	15	12	8	14	14	0	-3	2	-6	10	-7	-17	-4	15	15	18	31	32	33	24	21	25	26	22	16	15.9				
WEST CENTRAL DIVISION																																						
Audubon	8	MAX	35	33	35	37	37	47	29	22	21	20	27	32	31	17	18	17	19	10	6	24	40	45	40	35	40	48	30	42	44	41	43	31.1				
		MIN	30	30	21	22	27	20	12	8	3	2	19	3	2	3	0	0	9	-17	-17	1	18	19	19	16	16	25	21	19	28	17	16	12.6				
Battle Creek 3 NE	8	MAX	33	34	36	36	43	45	28	22	21	18	25	27	29	18	16	17	19	3	6	27	42	43	41	33	33	46	28	45	43	38	43	30.3				
		MIN	30	31	22	30	28	17	11	7	1	2	17	-2	-2	3	-2	0	3	-23	-21	3	18	13	16	8	8	21	18	17	29	16	20	10.9				
Carroll	7	MAX	33	34	37	37	37	46	29	22	22	22	25	30	29	18	17	16	18	10	5	25	40	46	42	34	32	44	32	42	45	39	43	30.7				
		MIN	31	31	32	23	31	19	12	8	4	4	19	2	2	2	-1	-1	9	-17	-17	5	21	21	20	14	15	26	22	22	30	20	12	13.6				
Castana Exp. Farm	8	MAX	33	33	37	34	43	46	30	21	20	19	26	29	32	19	17	18	20	6	8	29	43	45	42	33	34	47	30	41	45	39	43	31.0				
		MIN	30	30	23	26	26	17	12	7	2	3	18	0	0	1	0	2	6	-18	-18	4	25	19	20	11	11	21	20	22	30	18	20	12.5				
Denison	7	MAX	31	32	34	35	42	44	29	19	20	18	25	30	28	16	16	16	17	6	5	25	40	44	39	34	32	48	28	41	43	37	41	29.5				
		MIN	29	29	26	25	30	17	11	6	3	3	17	1	0	-1	-2	0	6	-17	-17	2	21	20	20	12	12	22	20	21	29	19	19	12.4				
Guthrie Center	8	MAX	36	35	38	38	37	49	31	23	23	22	28	33	31	19	20	18	23	13	7	26	42	47	43	35	37	48	31	44	46	40	45	32.5				
		MIN	32	32	23	23	30	21	14	10	4	6	20	5	3	4	0	1	11	-15	-14	7	19	17	24	18	18	26	23	25	29	17	20	14.6				
Holstein	22	MAX	32	35	35	40	45	31	20	20	16	20	25	26	16	14	11	16	12	3	24	37	40	40	33	30	42	43	36	41	35	42	31	28.7				
		MIN	29	30	26	29	27	15	9	6	0	10	6	-3	-4	2	-4	8	-14	-21	0	18	26	17	25	10	29	18	18	27	24	18	19	12.9				
Little Sioux 2 NW	7	MAX	34	38	41	34	41	48	31	24	23	20	29	30	32	20	20	20	24	8	10	30	40	48	40	35	35	50	32	39	46	42	42	32.5				
		MIN	31	28	22	22	31	18	13	9	2	2	20	0	0	4	1	3	7	-19	-20	0	18	15	15	5	5	24	19	19	28	19	20	11.6				
Logan	8	MAX	35	36	37	34	42	48	33	24	24	22	32	32	32	22	22	21	23	10	11	31	44	49	41	37	37	52	34	45	48	43	45	33.7				
		MIN	29	28	22	23	29	19	12	10	5	7	20	3	4	8	3	5	9	-17	-16	3	17	13	17	19	22	25	19	20	29	18	19	13.7				
Mapleton #2	7	MAX	33	34	36	35	42	45	29	22	22	19	25	28	32	18	18	16	20	6	8	30	42	44	39	35	33	46	30	41	46	39	43	30.8				
		MIN	30	30	22	21	29	18	12	8	3	3	18	0	1	1	1	1	6	-19	-19	3	21	19	17	11	9	21	20	19	30	18	19	12.0				
Rockwell City	7	MAX	35	36	36	39	42	49	28	22	23	20	25	30	27	16	15	15	18	10	3	26	40	43	42	38	34	48	31	36	47	37	44	30.8				
		MIN	32	32	30	29	32	20	11	8	4	3	16	-1	-1	-2	-5	-5	9	-19	-19	3	20	21	20	25	23	25	21	20	29	20	22	13.6				
Sac City	7	MAX	33	34	35	36	37	45	27	22	22	19	25	28	26	16	15	14	17	3	3	25	39	42	41	34	32	43	26	39	43	37	44	29.1				
		MIN	30	30	27	31	29	16	11	7	3	3	15	-1	-2	-1	-4	-3	3	-21	-13	3	21	22	20	7	13	21	20	20	29	20	21	12.2				

DECEMBER 2016			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW											
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG				
			DAY OF MONTH																																			
Sioux City Airport	24	MAX	37	40	37	51	48	33	24	25	20	28	30	37	23	21	17	25	16	11	31	45	48	46	41	35	49	32	42	48	41	44	35	34.2				
		MIN	33	27	23	29	30	18	15	10	4	20	8	1	2	6	1	14	-11	-20	-2	15	27	15	23	15	32	23	19	33	24	18	20	15.2				
CENTRAL DIVISION																																						
Ames Airport	24	MAX	37	39	40	34	47	38	24	25	24	24	33	27	19	19	15	20	19	3	26	41	45	44	37	35	48	46	40	43	39	45	33	32.5				
		MIN	33	34	33	28	25	21	15	11	6	20	10	4	3	5	0	14	-7	-16	-1	22	20	20	32	20	34	27	23	24	29	17	18	16.9				
Ames 8 WSW	16	MAX	35	36	39	38	42	42	28	23	22	21	31	27	27	17	14	19	19	3	25	40	44	42	39	33	37	46	40	41	40	42	39	32.0				
		MIN	32	33	32	32	26	21	13	9	6	17	21	3	2	8	-3	10	2	-17	-4	17	21	20	31	22	32	27	21	28	28	19	27	17.3				
Ames 5 SE	6	MAX	36	36	38	40	34	46	31	23	23	22	27	32	27	18	18	16	20	12	2	26	41	44	44	34	35	47	33	40	42	37	43	31.2				
		MIN	32	32	32	31	28	28	15	10	8	6	19	4	2	2	-1	-1	11	-16	-17	-4	21	22	20	27	22	33	22	22	29	19	20	15.4				
Ankeny	8	MAX	36	36	38	42	35	50	32	23	23	22	27	32	29	19	20	18	19	12	5	26	42	47	45	34	37	49	34	44	45	39	45	32.4				
		MIN	32	33	32	32	29	25	15	10	7	10	20	6	3	4	-1	0	12	-14	-11	4	23	21	22	23	22	33	24	24	30	21	25	16.6				
Boone	8	MAX	35	35	38	39	34	46	31	23	24	22	26	31	28	19	19	16	19	12	4	26	42	44	43	33	34	46	31	41	44	39	44	31.2				
		MIN	31	32	32	30	27	21	13	9	5	6	19	3	2	2	-2	-2	11	-17	-17	3	20	19	19	21	21	27	21	20	28	19	21	14.3				
Des Moines Airport	24	MAX	38	41	43	39	51	40	25	25	24	28	35	32	22	23	17	23	22	4	27	40	48	47	38	38	53	47	46	47	41	48	39	35.2				
		MIN	35	35	36	31	30	24	18	12	9	22	14	8	6	8	2	16	-4	-12	-1	22	24	23	33	24	35	29	22	30	31	21	22	19.5				
Des Moines Camp Dodge	24	MAX	37	39	41	35	50	38	24	24	23	25	33	31	21	21	15	20	19	4	28	43	49	45	37	38	49	48	44	45	39	46	38	33.8				
		MIN	33	33	33	32	30	21	15	10	6	20	11	5	4	3	-1	14	-7	-16	0	22	26	20	32	25	34	27	23	32	29	21	23	18.1				
Eldora	7	MAX	36	36	35	38	38	35	27	23	23	21	23	29	20	15	14	13	17	12	-1	23	37	40	40	33	33	43	31	36	40	35	41	28.6				
		MIN	32	32	30	31	27	27	13	9	8	8	17	-1	-2	-2	-5	-6	10	-19	-19	-2	21	20	19	23	27	31	19	18	27	19	21	14.0				
Fort Dodge 5 NNW	7	MAX	35	36	36	40	36	45	27	23	23	21	24	28	23	15	13	14	17	10	3	25	39	42	41	33	33	44	25	37	42	36	42	29.3				
		MIN	32	32	31	31	30	20	12	9	5	5	15	-3	-2	-2	-5	-5	9	-20	-19	2	21	20	20	19	18	25	19	19	28	20	21	13.1				
Grinnell 3 SW	7	MAX	37	37	38	38	34	41	31	24	23	23	28	33	27	18	20	16	19	15	1	22	36	44	39	39	35	49	34	39	42	37	41	31.0				
		MIN	33	33	31	31	31	31	18	12	12	13	19	5	4	2	-1	-1	13	-14	-15	-1	20	20	20	24	22	33	23	22	30	18	20	16.4				
Grundy Center	8	MAX	36	37	35	40	33	35	29	23	23	21	24	30	17	17	16	14	17	13	0	23	36	40	39	34	34	49	31	36	39	35	41	28.9				
		MIN	33	32	30	31	28	28	14	10	9	9	18	0	-3	-2	-5	-5	11	-16	-18	0	17	22	22	26	29	31	20	19	28	21	21	14.8				
Iowa Falls	7	MAX	35	36	34	39	32	35	28	23	23	21	23	29	17	15	14	13	17	11	-1	24	38	41	39	32	33	42	29	36	40	35	40	28.2				
		MIN	32	31	30	31	27	25	13	9	9	9	16	-1	-3	-3	-6	-6	10	-19	-15	-3	17	22	20	22	29	29	19	18	28	20	21	13.9				
Marshalltown	7	MAX	37	37	38	40	34	37	31	24	23	22	27	32	25	17	17	17	20	14	2	25	40	43	42	36	35	47	35	38	42	37	44	30.9				
		MIN	34	34	32	32	30	30	16	11	11	10	20	3	1	0	-2	-2	12	-15	-15	2	17	24	22	21	22	34	22	21	30	21	22	16.1				
Marshalltown Airport	24	MAX	37	38	40	34	37	36	24	24	22	22	32	24	15	17	13	19	17	-1	23	38	41	41	36	34	48	46	37	42	37	42	34	30.6				
		MIN	34	32	32	31	28	20	15	11	9	17	11	1	-1	1	-5	13	-8	-16	-2	19	19	20	32	21	33	25	21	27	28	17	18	16.2				
Newton	7	MAX	37	38	38	40	34	44	32	23	23	22	28	32	27	17	19	17	20	15	1	23	38	46	41	35	34	48	36	39	42	37	42	31.2				
		MIN	33	33	33	32	30	30	16	11	9	9	21	5	2	2	-2	-2	12	-14	-14	0	22	22	22	26	26	33	23	23	30	22	22	16.7				
Perry	7	MAX	36	36	39	40	36	49	32	24	24	22	28	32	33	20	20	18	20	12	7	27	43	47	46	35	36	49	32	45	45	40	45	32.8				
		MIN	33	33	31	29	29	25	15	10	7	7	21	5	3	3	0	0	12	-14	-16	8	23	19	17	22	21	28	25	25	31	21	21	15.9				
Toledo 3 N	7	MAX	37	37	37	39	33	35	30	23	22	21	27	31	22	17	17	14	18	13	-2	22	38	41	40	35	35	46	34	36	42	36	41	29.6				
		MIN	33	33	30	30	29	29	15	11	9	9	17	2	-2	-2	-5	-5	12	-17	-17	-2	20	21	21	21	21	32	20	20	27	19	19	14.5				

DECEMBER 2016			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					
Webster City	7	MAX	36	37	37	37	33	40	28	24	24	22	23	30	21	18	18	14	19	14	2	24	41	43	43	34	34	43	30	37	42	37	44	30.0					
		MIN	32	32	30	31	27	24	13	9	5	5	16	-1	-1	-1	-5	-4	12	-20	-19	-3	20	20	18	18	20	30	21	21	25	18	18	13.3					
EAST CENTRAL DIVISION																																							
Anamosa 3 SSW	6	MAX	38	38	37	40	34	33	33	23	21	22	26	32	20	16	18	14	19	16	-1	23	33	38	36	34	35	43	43	34	40	36	37	29.4					
		MIN	34	35	31	31	32	31	19	13	12	14	18	8	5	-2	-2	-2	14	-11	-11	-5	14	20	23	31	32	32	23	21	27	21	21	17.1					
Belle Plaine	7	MAX	38	38	38	41	35	36	35	25	24	24	28	33	26	17	19	16	20	15	0	23	37	35	40	36	36	48	37	38	43	38	42	31.0					
		MIN	34	35	30	32	31	31	18	12	11	11	22	5	2	1	-1	-1	14	-14	-11	-4	15	24	22	28	28	33	24	23	31	18	20	16.9					
Bellevue Lock & Dam 12	6	MAX	40	39	38	38	35	35	34	24	23	24	26	31	20	12	19	13	19	18	0	22	33	36	38	35	36	44	44	32	40	35	34	29.6					
		MIN	35	36	31	31	31	32	21	15	14	17	16	17	6	-3	-4	-5	13	-4	-16	-12	17	18	20	27	32	32	24	18	19	23	20	16.8					
Cedar Rapids Airport	24	MAX	38	37	39	34	34	33	23	21	20	23	31	22	19	17	11	19	19	0	20	32	37	36	34	35	47	46	36	41	36	39	36	29.5					
		MIN	34	30	31	31	31	22	17	11	10	15	20	1	-1	1	-4	11	-1	-16	-7	16	14	18	29	31	32	25	21	26	27	18	14	16.4					
Cedar Rapids #1	17	MAX	38	38	40	36	34	33	27	22	23	23	32	30	19	18	9	17	17	17	21	36	38	38	35	34	33	46	35	40	37	38	38	30.4					
		MIN	34	33	30	31	31	27	17	11	12	14	21	4	0	6	-4	6	9	-15	-9	15	18	24	28	32	32	28	21	22	28	21	25	17.8					
Clinton #1	18	MAX	39	40	38	35	35	34	28	23	25	24	32	31	20	22	8	19	21	14	18	31	37	35	36	35	34	50	33	43	37	35	42	30.8					
		MIN	35	34	31	30	30	28	20	14	17	17	22	9	4	-2	-3	5	14	-12	-13	11	14	25	22	33	32	31	24	21	29	21	27	18.4					
Coggon	6	MAX	37	36	36	38	33	33	32	22	20	20	24	29	16	15	16	11	16	15	-2	23	33	37	34	34	33	43	37	31	39	33	35	27.7					
		MIN	33	34	29	30	31	31	17	11	10	11	16	4	1	-2	-5	-6	11	-15	-16	-6	12	23	21	31	31	32	20	19	27	19	20	15.3					
Davenport Airport	24	MAX	39	40	38	34	35	34	27	22	24	25	33	24	24	19	12	22	21	6	16	30	37	35	37	35	54	52	34	42	37	41	41	31.3					
		MIN	35	32	31	31	31	26	19	14	16	18	24	6	0	3	-5	12	6	-13	-9	14	17	23	30	31	33	28	23	24	29	20	15	18.2					
Iowa City	7	MAX	39	39	40	40	35	35	35	27	23	22	29	33	24	14	21	17	21	18	-1	22	32	40	38	36	36	51	41	37	42	38	40	31.1					
		MIN	35	35	30	32	31	31	20	13	12	11	20	7	7	-1	0	0	17	-11	-12	-6	13	19	24	31	33	33	23	23	27	21	20	17.4					
Iowa City Airport	24	MAX	40	41	40	36	35	36	27	24	23	26	33	24	25	21	14	22	22	3	21	32	40	39	37	37	52	49	38	43	40	41	39	32.3					
		MIN	36	33	30	33	32	25	20	14	12	20	24	7	3	6	1	14	3	-12	-6	14	14	25	27	34	34	27	22	21	30	19	18	18.7					
Le Claire L & D 14	6	MAX	39	40	40	42	35	36	36	28	22	25	28	33	26	14	21	17	22	19	-1	24	32	40	39	37	35	53	48	30	43	38	42	31.7					
		MIN	34	34	33	30	30	31	23	15	14	17	20	14	11	7	-1	-1	16	-8	-11	-3	18	24	26	32	32	33	25	24	30	22	22	19.1					
Lowden	24	MAX	40	40	41	34	35	35	27	22	25	25	33	23	22	22	11	20	20	4	19	34	38	39	36	35	49	48	35	41	38	41	38	31.3					
		MIN	34	33	31	31	31	25	19	13	13	12	23	5	-4	0	-4	11	4	-16	-8	15	17	23	31	31	32	27	22	24	28	21	13	17.3					
Maquoketa 4 W	7	MAX	38	37	38	38	33	33	32	23	20	21	25	30	17	12	17	13	18	16	-5	20	30	37	33	34	34	46	41	31	38	35	37	28.1					
		MIN	34	34	30	29	29	30	18	12	11	11	17	10	2	-1	-6	-6	13	-13	-16	-8	14	22	22	29	31	31	22	19	25	19	19	15.6					
Muscatine	6	MAX	40	39	41	39	34	36	37	28	23	24	31	34	25	13	21	18	23	20	-1	23	32	40	38	37	37	53	45	38	43	40	42	32.0					
		MIN	35	36	30	32	32	31	22	15	14	14	21	10	8	2	1	1	17	-12	-15	-5	13	21	24	33	32	33	24	22	29	20	19	18.0					
Vinton	7	MAX	35	36	36	38	32	32	30	22	20	20	25	29	14	15	15	13	16	13	-3	21	33	37	34	32	32	43	35	34	39	35	37	27.4					
		MIN	31	32	29	30	28	28	15	9	8	8	15	0	-1	-2	-6	-6	11	-18	-18	-5	15	20	20	29	30	31	19	18	26	18	20	14.0					
Williamsburg 1 E	7	MAX	39	37	38	38	35	36	34	24	24	21	28	32	27	15	19	16	20	16	-1	24	35	39	39	35	35	50	38	37	41	37	40	30.6					
		MIN	34	33	28	31	31	30	19	12	11	10	20	5	5	3	-1	-2	15	-14	-14	-5	15	18	18	31	32	32	24	22	29	19	19	16.5					
SOUTHWEST DIVISION																																							
Atlantic 1 NE	7	MAX	35	36	38	39	40	51	32	25	24	22	31	35	31	22	24	20	23	12	7	25	44	49	43	37	40	53	34	45	46	42	47	33.9					
		MIN	32	30	22	23	31	23	15	10	4	4	21	7	5	5	1	2	12	-17	-16	3	20	17	15	21	23	28	24	24	31	16	18	14.6					

DECEMBER 2016			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																													IOWA CLIMATE REVIEW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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DECEMBER 2016			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
Mount Ayr	8	MAX	35	36	42	39	36	46	32	22	23	22	34	34	31	20	24	20	23	12	6	21	33	43	42	39	37	54	34	44	43	43	49	32.9
		MIN	31	31	20	25	26	24	18	10	4	4	22	6	7	5	2	5	12	-17	-14	6	14	19	28	19	19	30	20	25	29	15	15	14.8
Osceola	8	MAX	36	37	43	41	41	47	34	25	25	25	34	36	30	18	25	20	22	15	5	25	37	47	44	39	38	55	36	47	46	43	50	34.4
		MIN	33	31	19	21	29	30	19	12	5	5	22	9	8	7	2	1	15	-16	-18	1	20	18	18	20	20	33	23	21	31	16	16	15.2
Rathbun Dam	7	MAX	36	36	42	41	36	45	34	25	23	23	33	36	29	18	25	18	21	18	3	21	33	44	42	38	42	55	39	44	42	41	48	33.3
		MIN	33	28	27	27	30	30	20	10	8	9	21	9	9	7	3	3	17	-10	-10	0	18	22	23	29	32	35	23	24	28	20	21	17.6
Winterset 1 S	7	MAX	38	38	41	43	40	51	33	24	25	24	28	35	32	22	23	17	23	16	2	27	38	48	45	38	35	50	36	46	47	41	48	34.0
		MIN	35	35	35	34	31	30	17	11	8	9	22	7	8	6	1	2	16	-15	-20	-1	22	24	22	23	22	32	23	22	30	21	21	17.2
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	38	43	40	35	36	37	30	23	23	30	39	28	27	25	16	25	25	5	17	31	44	40	37	40	57	48	40	44	41	41	42	33.8
		MIN	35	34	33	32	31	28	20	15	18	21	28	13	9	9	3	16	5	-9	-7	13	17	28	31	32	35	30	25	27	33	24	20	20.9
Donnellson	7	MAX	39	39	46	42	36	38	39	30	24	24	36	39	30	20	28	20	26	22	3	21	35	45	43	38	38	58	48	43	45	42	45	34.9
		MIN	36	30	30	30	31	30	24	14	14	18	20	13	13	9	2	3	16	-10	-10	-3	19	17	25	27	26	36	27	26	30	23	22	19.0
Fairfield	8	MAX	38	38	41	40	35	39	35	28	22	22	33	38	27	15	23	18	23	17	2	24	34	44	41	37	40	54	42	40	43	40	45	32.8
		MIN	35	34	31	32	30	30	22	14	16	16	22	11	10	8	2	4	17	-11	-11	2	19	24	25	30	33	35	25	25	31	23	25	19.6
Fort Madison	24	MAX	39	45	41	36	37	40	32	26	23	30	38	28	29	28	16	25	24	5	19	31	44	38	37	38	55	48	42	44	43	44	40	34.4
		MIN	36	36	33	32	30	29	21	16	19	22	24	14	11	10	4	16	4	-9	-2	17	18	28	30	27	34	31	27	26	32	24	21	21.3
Keokuk Lock & Dam 19	6	MAX	38	38	44	42	35	39	41	31	24	25	35	40	28	21	28	19	26	24	5	20	33	44	42	38	38	60	50	44	45	43	45	35.0
		MIN	36	35	33	33	32	30	28	16	15	16	23	15	15	11	5	5	18	-6	-8	-1	20	22	27	30	28	35	27	27	29	25	25	20.8
Keosauqua	7	MAX	37	38	43	42	35	39	38	29	24	23	34	38	30	18	26	19	24	19	3	22	33	44	42	38	42	58	45	43	44	42	47	34.2
		MIN	34	34	29	29	30	30	22	14	14	17	22	11	10	9	3	4	18	-11	-10	-4	19	21	24	26	26	36	25	25	30	21	21	18.7
Mount Pleasant 1 SSW	7	MAX	37	37	40	39	35	39	39	29	20	22	34	36	27	17	22	17	22	19	2	19	32	44	42	36	39	54	46	42	42	40	43	32.6
		MIN	34	33	31	31	29	29	20	12	12	14	19	10	7	7	1	0	17	-13	-13	-7	18	18	24	31	31	35	23	23	28	23	21	17.7
Oskaloosa	7	MAX	37	38	40	40	35	46	34	26	23	23	31	34	28	20	24	18	21	15	2	23	35	45	43	36	39	50	38	44	43	39	45	32.7
		MIN	33	34	32	33	31	31	19	12	12	12	21	8	7	6	0	0	15	-14	-13	1	22	24	23	32	34	34	24	24	31	21	21	18.4
Ottumwa Airport	24	MAX	38	42	42	37	44	37	28	25	22	29	38	28	26	25	16	23	23	2	24	36	46	44	38	43	55	49	43	45	42	48	45	34.9
		MIN	35	35	33	33	32	26	18	13	14	22	18	10	8	8	0	16	-1	-12	-5	21	21	24	33	30	35	30	25	29	32	20	18	20.0
Sigourney	7	MAX	38	37	39	39	34	42	35	25	26	22	29	32	26	17	21	17	20	16	2	24	35	42	43	36	37	49	45	37	42	39	48	32.1
		MIN	33	33	30	30	30	30	20	10	10	11	20	7	6	5	0	0	15	-14	-14	-2	19	21	20	30	30	33	23	23	29	20	20	17.0
Washington	7	MAX	38	39	40	39	35	37	36	27	22	22	30	35	24	17	22	17	22	17	1	22	34	41	40	37	37	53	42	40	41	40	43	31.9
		MIN	35	35	28	31	30	30	21	12	12	12	20	7	7	3	0	-1	17	-13	-14	-3	15	21	22	32	32	34	24	24	30	21	20	17.5
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	40	41	40	35	36	37	29	23	25	27	36	26	27	22	15	24	24	8	18	32	41	40	38	38	56	56	38	45	40	42	43	33.6
		MIN	37	34	33	32	32	27	21	16	18	20	26	9	4	7	2	15	8	-14	-13	16	16	26	31	34	34	30	21	23	32	24	19	20.0
Omaha Eppley AP	24	MAX	38	43	35	42	52	35	26	25	23	32	34	35	24	25	20	26	21	12	31	46	52	43	39	35	54	43	50	49	44	48	35	36.0
		MIN	33	27	23	29	29	20	16	11	7	22	13	9	6	10	6	19	-7	-11	2	20	27	19	26	19	34	26	22	28	27	20	21	17.8
Sioux Falls WFO AP	24	MAX	34	34	36	44	45	23	20	20	16	21	22	21	18	16	14	16	7	8	31	40	41	38	37	31	43	29	35	40	36	41	34	28.7
		MIN	31	29	25	28	23	12	8	4	-1	10	-4	-8	-4	-5	-9	7	-20	-27	3	24	23	11	20	19	29	15	16	25	21	19	19	11.1

DECEMBER 2016			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	0.98	0.02	T		0.01						0.02	0.08						0.20							0.01	T	0.64						
Cherokee	8	1.36	T	T		0.03						T	0.07					T	0.12	T					T	0.15	T	0.99						
Emmetsburg	8	1.68	0.01			0.13						0.02	0.21						0.28	I						T	0.17	T	0.86					
Estherville Airport	24	M			0.02	0.01		T	T	T	T	M	T				T	M	M						M		0.75	T						
Estherville 4 E	7	1.44	0.02			0.04						0.01	0.12	I				I	0.38	I					T	0.10	T	0.77						
Everly 3 WNW	7	1.40	0.02	T		0.05				T		T	0.15	T					0.31	T					0.03	0.11	T	0.73	T					
Hawarden	7	1.13	I	0.01	T	T						0.02	0.05						0.28							T	0.77							
Le Mars	7	1.41	I			0.01						I	0.09						0.17	I					I	0.04	I	1.10						
Orange City	7	1.41	0.01	T	T	T						T	0.08	T				T	0.24	T					0.01	0.04	T	1.03						
Pocahontas	8	1.67	0.01			0.20						T	0.33						0.28	I					0.01	0.25	0.01	0.58						
Primghar	16	1.81	I			0.04						0.05	0.25					0.04	0.28						0.15	0.75	0.25							
Remsen #2	6	1.04	T			0.01						T	0.03						0.14	I					0.01	0.08	T	0.77						
Rock Rapids	8	1.46	T									0.02	0.10						0.36								T	0.98						
Rock Valley	7	1.36	T	T		T						T	0.06						0.44								T	0.86						
Sanborn	8	1.74	0.05			0.03						0.03	0.28						0.40	I					0.03	0.05	T	0.87						
Sheldon	7	1.63	0.07	0.02		0.01				T		0.01	0.20	T				T	0.38	T					0.02	0.05	0.87	T						
Sibley	7	1.93	0.05			0.02						0.03	0.19						0.59							0.08	0.97							
Sioux Center 2 SE	16	1.22	0.02		T					T	T	0.06	0.03				T	0.06	0.14						0.04		0.67	0.20						
Sioux Rapids 4 E	22	0.96	T		0.08	0.02	T					0.04	0.01					0.11	0.05						0.09		0.56							
Spencer Airport	24	M	T		0.02	T						T	0.05	0.01				T	M	0.03					0.06	0.78	T							
Spencer 1 N	24	1.58	T		0.03				T	I	I	0.15	0.01				T	0.31	0.04						0.10	T	0.94	T						
Spirit Lake 4 W	24	1.41			0.02			T	T	T	T	0.20	0.03					0.22	0.07						0.07	0.80								
Storm Lake	8	1.68	T	T		0.20						I	0.24						0.21	T					T	0.20	I	0.83						
NORTH CENTRAL DIVISION																																		
Algona 3 W	6	1.78	0.06	T		0.12		T		T	T	T	0.16	T				T	0.45	I					T	0.31	T	0.68						
Allison	7	1.98	0.05			0.35	0.04	T					0.35					T	0.22	0.03						0.38	0.56							
Britt	7	M	0.07			M		M		T	T	I	0.26	T					M	M					I	0.37	0.38							
Charles City	7	2.22	0.13	0.04	T	0.27	0.11	0.10		T	T	T	0.30	I				T	0.30	0.02					T	0.40	T	0.55	T					
Clarion	7	M	0.12			M						T	0.20						0.20	I					T	M	I	M						
Dakota City	8	1.63	0.09			0.22						T	0.15						0.14	T					T	0.33	T	0.70						
Forest City 2 NNE	7	1.85	0.04	T		0.18				T	T	I	0.42	T				T	0.38	0.01					T	0.32	T	0.50						
Hampton	7	2.08	0.03			0.39	I	0.01					0.21						0.22	0.08						0.58	0.01	0.55						
Kanawha	8	1.72	0.09			0.42						T	0.11						0.22	I					I	0.38	0.50							
Lake Mills	7	2.22	0.12			0.08				I	T	0.02	0.44	I				0.03	0.56	I					T	0.43	T	0.54						
Mason City	7	2.14	0.06	I		0.32	I	0.06		I	0.01	I	0.26					0.01	0.33	0.09					I	0.42	I	0.58	I					
Mason City Airport	24	2.16	T		0.06	0.15	0.03	0.10	T	T	T	0.22	0.11	T			0.01	0.32	0.07					0.50	0.59	T								
Nashua 2 SW	7	2.34	0.14			0.30	0.14	0.05		T	T	T	0.34						0.29	0.04					T	0.42	T	0.62	T					
Northwood	7	M	0.17	T		0.31	0.01	0.08		T	0.02	I	0.46	0.01				0.03	0.48	T						M	M	M	M					
Osage	7	2.78	0.16	T		0.20	0.10	0.14		T	I	T	0.39	T				0.02	0.60	0.10					T	0.42	T	0.65						
Saint Ansgar	6	2.91	0.18			0.34	T	0.15		T	T	T	0.44	T				0.04	0.57	0.03						0.52	T	0.70	T					
Swea City 4 W	7	2.18	0.05			0.08						T	0.02	0.35	T			T	0.53	T					T	0.11	0.01	1.03	T					
NORTHEAST DIVISION																																		
Cascade	7	1.59	0.01	T		0.22	0.31			T	T		0.20	0.08					0.08	0.10						0.21	0.38							
Cresco 1 NE	7	2.57	0.10	0.01	T	0.26	0.18	0.06	T	T	T	0.02	0.40	0.01				0.05	0.33	0.11						0.43	T	0.61	T				T	
Decorah	16	2.13	0.05	0.02		0.42		0.01	I	T		0.03	0.25					0.10	0.26						0.40	0.50	0.09							
Dubuque Lock & Dam 11	6	1.82	0.07	0.03		0.10	0.45					I	0.15	0.14					0.17	0.25						0.16	0.30							
Dubuque Airport	24	1.50	T	0.01	T	0.48	T	T		T	T	0.11	0.15			T		0.13	0.14					0.21	0.19	0.08								
Elkader 6 SSW	7	1.92	0.03	0.01	T	0.15	0.22	T	T	T	T	T	0.29	0.01				0.01	0.21	0.04						0.23	0.02	0.70	T	T		T		
Fayette	7	2.12	0.07	0.03	T	0.18	0.16	T	T	T	0.03	T	0.38					T	0.28	0.03						0.27	T	0.69	T					
Guttenberg L & D 10	6	2.12	0.05	0.05		0.09	0.35					I	0.01	0.24	I			0.01	0.23	0.15						0.12	0.82							
Ionia 2 W	7	1.80	0.13			0.15	0.09	0.05				T	0.23					T	0.32	0.05						0.25	0.53							
Manchester #2	7	2.10	0.03	T		0.13	0.35	T	T	T	0.02	T	0.21	0.05				0.01	0.14	0.10						0.15	0.91							
New Hampton	8	2.61	0.10	0.01		0.20	0.35	0.05				I	0.01	0.45				T	0.37	0.04						0.39	0.70							
Oelwein 1 E	7	2.24	0.01	T		0.22	0.12	0.01	T	T	T	T	0.22	T				T	0.11	0.09						0.67	0.79							
Postville	7	2.22	0.09	0.04		0.11	0.18			T	T	T	0.26					T	0.34	0.06						0.29	0.85							
Strawberry Point	7	1.99	0.06	0.01		0.16	0.35	0.01	T	T	T	T	0.21	T				T	0.15	0.06						0.22	0.01	0.75						

DECEMBER 2016			'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																										IOWA CLIMATE REVIEW					
STATION	OBS TIME	TOTAL	DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Tripoli	7	2.26	0.09	0.01		0.26	0.29	T		T	T		0.32	T		T		T	0.26	0.03						0.39	T	0.61						
Waterloo Airport	24	1.87			0.01	0.53			T	T		0.20	0.06				T	0.17	0.03						0.37		0.50							
WEST CENTRAL DIVISION																																		
Audubon	8	1.30	T			0.37						T	0.06						0.03	0.01					T	0.15	T	0.68						
Battle Creek 3 NE	8	1.12	0.04			0.18						T	0.03					T	0.04	0.04					T	0.16		0.63						
Carroll	7	1.17	0.01			0.13							0.11						0.01	I						0.34	0.01	0.56						
Castana Exp. Farm	8	1.44	T	0.01		0.21							0.07	T					0.02	0.01					0.01	0.35	0.01	0.75						
Denison	7	1.42	T			0.14							0.18						0.07	I					T	0.34		0.69						
Guthrie Center	8	1.42	T			0.40		T					0.12						0.03	0.01					T	0.36	T	0.50						
Holly Springs 1 NW	7	1.27	T			0.12						T	0.06						0.05	0.01						0.11	0.02	0.90						
Holstein	7	1.41	T		T	0.22							0.09						0.21	I						0.24	T	0.65						
Little Sioux 2 NW	7	1.89	T			0.27		T				0.03	0.25						0.16	T					0.12	0.34		0.72						
Logan	8	1.28	T			0.26		T				0.03	0.02						0.06	I					0.05	0.08	0.02	0.76						
Mapleton #2	7	1.45	T	T		0.21						T	0.07						0.07	T						0.35		0.75						
Rockwell City	7	1.66	0.05		T	0.28							0.16						0.06	T						0.46		0.65						
Sac City	7	0.82	T			0.10							0.07						0.10	I						0.15	T	0.40						
Sioux City Airport	24	1.48		T	0.05					T	T	0.08	T			T		0.09	0.07						0.10		1.09							
CENTRAL DIVISION																																		
Ames Airport	24	M			0.10	0.32		0.01		T	T	M	0.01					M	M						0.22		0.68							
Ames 8 WSW	16	1.21	I			0.35		0.04				0.03	I						0.03						0.13		0.40	0.23						
Ames 5 SE	6	1.42	0.03			0.43	0.15	T			T		0.04					T	0.04	0.03						T	0.28	0.01	0.41					
Ankeny	8	1.31	T			0.45	0.12						0.05						T	0.03						0.03	0.18	T	0.45					
Boone	8	1.33	0.03			0.52	T	0.05		T			0.05						0.06	0.03						0.03	0.07	0.01	0.48					
Brooklyn	7	1.54				0.05	0.25	T	T				0.05	0.02					0.01	0.03							0.11	0.01	1.01					
Clutier	7	1.80	0.01			0.36	0.20	T			T		0.10	T					0.04	0.06							0.12	T	0.91					
Des Moines Airport	24	1.41	T	T	0.09	0.46	T	T		T		0.05	T				T	0.01	0.07						0.20	T	0.53							
Des Moines Camp Dodge	24	1.22	T	T	0.17	0.38		T		T		0.05	T				T	0.02	0.05						0.22		0.33							
Eldora	7	1.79	0.01	0.02		0.47	0.11						0.20						0.15	I						T	0.43		0.40					
Fort Dodge 5 NNW	7	2.01	0.10	T	T	0.35		T		T	T	T	0.18				T		0.15	I						T	0.50	T	0.73	T				
Gilman	7	1.31	T			0.30	0.10						0.06						T	0.05							0.10		0.70					
Grinnell 3 SW	7	2.09	T			0.30	0.29					T	0.03	T					T	0.13						T	0.22	T	1.12					
Grundy Center	8	1.35	0.05	T		0.30	0.19					T	0.16						0.08	T						T	0.17	T	0.40					
Iowa Falls	7	2.01	0.05	T	T	0.40	0.05	0.06	T	T	T		0.23						0.14	0.05						T	0.51		0.52					
Marshalltown	7	1.72	T	T		0.49	0.22					T	0.09						0.05	0.02						T	0.28		0.57					
Marshalltown Airport	24	M	0.01		0.01	M		T	T	T	T	M	0.05					M	M						0.17		0.49							
Montezuma 1 W	7	1.24	0.01			0.14	0.11						0.02	T					T	0.05							0.15		0.76					
Newton	7	1.92				0.39	0.15						0.03						T	0.10						T	0.29	T	0.96					
Perry	7	1.64	T			0.51		T					0.03						0.02	0.02						T	0.29		0.77					
Toledo 3 N	7	1.33	T			0.31	0.13						0.08	T					0.02	0.04						T	0.13	T	0.62					
Webster City	7	1.45	0.07			0.33		T			T		0.12						0.09	0.02						T	0.30		0.52					
Zearing	7	1.42	I			0.28	0.15				T		0.04						0.04	0.05							0.31	T	0.55					
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	1.66	T	0.01		0.21	0.34			T	T		0.14	0.15					0.05	0.10							0.24	T	0.42					
Belle Plaine	7	1.59	T			0.43	0.10					T	0.05	T					T	0.07						T	0.14	T	0.80					
Bellevue Lock & Dam 12	6	1.72				0.18	0.40					I	0.20	0.10					0.10	0.14							0.33		0.27					
Cedar Rapids Airport	24	M	T	T	T	0.47		T		T	T	0.02	0.05	T	T			T	M						0.16		0.45	T						
Cedar Rapids #1	17	1.61	0.02			0.56				T		0.04	0.12					T	0.07	T					0.10	0.01	0.48	0.21						
Clinton #1	18	1.40		0.03		0.56				T		0.06	0.16	T				0.02	0.04	0.16					0.06		0.19	0.12			T			
Coggon	6	1.86	0.03			0.18	0.41				T		0.18	0.05					0.08	0.05							0.15		0.73					
Davenport Airport	24	1.48	T	T		0.56		T	T	T	T	0.07	0.20	T	T			0.01	0.13	T					0.03		0.34	0.14				T		
De Witt	8	1.10				0.06	0.29				I		0.05	0.13					T	0.10							0.13	T	0.34					
Iowa City	7	1.13				0.09	0.40				I		0.04	0.11					0.01	0.05							0.09		0.34					
Iowa City Airport	24	M				0.38				T	T	0.02	0.09					T	M						0.12		0.14	0.04						
Le Claire L & D 14	6	1.45				T	0.58				T		0.04	0.16					I	0.17							0.06		0.44					
Lowden	24	1.63				0.48		0.01		T	T	0.12	0.13				T	0.03	0.21						0.22		0.32	0.11						
Maquoketa 4 W	7	1.69	T			0.23	0.44				T		0.11	0.13					0.01	0.10							0.23	T	0.44					

DECEMBER 2016			'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW																																
STATION	OBS TIME	TOTAL	DAY OF MONTH																																																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																														
Monticello	7	1.46	I			0.21	0.26				I		0.16	0.09					0.09	0.09						0.18		0.38																																			
Muscatine	6	1.34				0.02	0.46				I		0.05	0.16					I	0.22						I		0.43																																			
Muscatine 2 N	5	1.32	T			0.12	0.43				T		0.07	0.19					0.01	0.09						0.02	T	0.39																																			
Swisher	7	1.24	T	T		0.16	0.27				T	T	0.07	0.04					0.01	0.10						0.22		0.37																																			
Vinton	7	2.04	I			0.23	0.37	0.01					0.13	0.01					0.03	0.03						0.13		1.10																																			
Williamsburg 1 E	7	1.54				0.13	0.27						0.02	T					0.02	0.09						0.17	T	0.84																																			
SOUTHWEST DIVISION																																																															
Atlantic 1 NE	7	1.35	T			0.52		T					0.05						T	0.01						T	0.19	0.01	0.57																																		
Bedford	7	1.30	T			0.48	0.05							0.01					I	0.12						T	0.08	T	0.56																																		
Clarinda	6	1.13	T			0.52													T	0.07							0.06	0.01	0.47																																		
Glenwood	6	1.11	T			0.54													T	0.04						I	0.10	T	0.43																																		
Greenfield	8	1.34				0.56							0.04						0.02	0.06						T	0.12	T	0.54																																		
Hastings 4 NE	8	1.25				0.58													T	0.05						T	0.15	0.10	0.37																																		
Massena	7	1.41				0.56							0.09						I	0.03							0.14		0.59																																		
Oakland	7	1.15	T			0.47						T	0.02						T	0.01						T	0.14	T	0.51																																		
Randolph	8	1.16	T			0.57													0.01	0.04						T	0.12	0.15	0.27																																		
Red Oak	7	1.26	T			0.61													I	0.05						T	0.15	0.01	0.44																																		
Shenandoah	8	1.20				0.57													T	0.09						T	0.10	T	0.44																																		
Sidney 1 SSE	7	1.15	T			0.57													T	0.05						T	0.06	0.09	0.38																																		
Underwood	7	1.39	T			0.40		T				T	T						0.04	T						T	0.11	T	0.84																																		
SOUTH CENTRAL DIVISION																																																															
Albia 3 NNE	7	1.28				0.32	0.19						0.01	0.03					0.04	0.16							0.03	T	0.50																																		
Allerton	8	1.11	T			0.32	0.13							T	T				0.05	0.04							0.02	0.01	0.54																																		
Beaconsfield	7	1.01				0.33	0.06								T				0.03	0.11							0.01	0.01	0.46																																		
Centerville	7	1.21				0.25	0.24						I	0.06					0.03	0.08							0.01	0.01	0.53																																		
Chariton 1 E	7	1.20				0.26	0.27						0.03	0.01					0.03	0.09							0.02	T	0.49																																		
Creston 2 SW	7	1.33				0.45	0.07						0.01						0.01	0.02							0.06	T	0.71																																		
Indianola 4 W	7	1.33				0.38	0.12						0.05						T	0.14						T	0.17	T	0.47																																		
Knoxville	8	1.46	T			0.37	0.16						0.04	T					0.03	0.16						T	0.17		0.53																																		
Lamoni	7	1.45				0.39	0.13							T					0.08	0.08							T	0.01	0.76																																		
Lamoni Airport	24	1.47			0.06	0.40							0.02					0.02	0.10							0.02		0.85																																			
Lorimor	8	1.14				0.41							0.03						0.03	0.05							0.09	T	0.53																																		
Mount Ayr	8	1.16				0.43	T												T	0.15						T	0.03	0.08	0.47																																		
Osceola	8	1.34				0.32	0.10						0.02	0.01					T	0.04						T	0.10	T	0.75																																		
Pella 1 S	7	1.49				0.41	0.06						0.02	T					0.04	0.17						T	0.18	0.01	0.60																																		
Rathbun Dam	7	1.28	0.01			0.26	0.26						T	0.06					0.03	0.10						0.01	0.01	T	0.54																																		
Winterset 1 S	7	1.62				0.51							0.05						0.07	0.06							0.20		0.79																																		
SOUTHEAST DIVISION																																																															
Bloomfield 1 WNW	7	1.05				0.17	0.28							T	0.01				T	0.05							0.01	T	0.53																																		
Burlington Airport	24	1.55				0.70					T	T	0.09					0.04	0.09	0.02						0.01		0.47	0.13																																		
Donnellson	7	1.51				0.21	0.44	T				T	T	0.07					0.06	0.11							0.02	0.01	0.59																																		
Fairfield	8	1.23	T			0.25	0.18	T				T		0.08					0.02	0.16							0.02	T	0.51																																		
Fort Madison	24	1.30				0.50	T					I	0.12					0.05	0.07	I						T		0.43	0.13																																		
Keokuk Lock & Dam 19	6	1.37				0.07	0.48							0.08					0.07	0.07							I	0.03	0.57																																		
Keosauqua	7	0.95				0.13	0.32					T		0.08					0.02	0.08							I	I	0.32																																		
Mount Pleasant 1 SSW	7	1.13				0.12	0.38						0.10	0.05					0.05	0.07							0.01	T	0.35																																		
Oskaloosa	7	1.27				0.23	0.15					I		0.03	T				0.03	0.17							0.21	I	0.45																																		
Ottumwa Airport	24	1.37				0.52					T	T	0.02	0.06				T	0.14							T		0.63																																			
Salem 1 S	7	0.98				0.12	0.29							T	0.11				0.02	0.03							0.01	T	0.40																																		
Sigourney	7	1.55	T			0.14	0.20						0.10	0.02					T	0.13							0.20		0.76																																		
Washington	7	1.01	T	T		0.14	0.29	T				T		0.11					0.02	0.14							T	T	0.28																																		
SUPPLEMENTAL STATIONS																																																															
Moline Airport	24	1.58				0.61			T	T	T	0.08	0.23					T	0.16	T						0.05		0.27	0.18																																		
Omaha Eppley AP	24	1.47			0.43	0.02	0.03					0.01	T					0.01	0.07							0.13	T	0.77																																			
Sioux Falls WFO AP	24	1.92	T	T	T			T		T	0.03	0.26	T	T			T	0.37	0.03	T						T	T	1.23	T																																		

DECEMBER 2016			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 3.9	I									0.6	0.9						2.4							I									
		SNOW ON GROUND	T									T	1	1	1	T	T	T	2	2	2	1	T	T	T	T	T								
Cherokee	8	SNOWFALL 4.7	T			T						T	1.7					T	2.0	T					T	1.0									
		SNOW ON GROUND	T			T						T	2	2	1	1	1	1	3	3	3	3	2	1	T	1	T	T	T	T	T				
Emmetsburg	8	SNOWFALL 8.2	I			T						0.2	3.5					3.0	I						T	1.5									
		SNOW ON GROUND				T						T	3	3	3	3	3	2	5	5	5	5	4	4	4	6	M	M	M	3	3	3	2		
Estherville 4 E	7	SNOWFALL 8.5	T			T						0.2	2.3	I				T	5.0	T					T	1.0									
		SNOW ON GROUND	I			T						T	3	M	M	M	M	M	M	5	M	M	M	M	M	M	M	M	M	M	M	M			
Everly 3 WNW	7	SNOWFALL 11.3	T	T		0.5					T	T	3.0	T				6.0	T						0.3	1.5				T					
		SNOW ON GROUND	I			T					T	T	3	3	3	3	3	3	9	8	8	7	6	4	2	3	3	1	1	1	1	1	1		
Hawarden	7	SNOWFALL 4.7	I	T								0.3	0.7					3.7								T	T								
		SNOW ON GROUND		T								T	1	1	1	T	I	I	4	4	4	3	1	I		I									
Le Mars	7	SNOWFALL 4.0	I									I	1.5					1.9	I						I	0.6		I							
		SNOW ON GROUND											2	1	1	1	1	1	3	3	3	2	1	T		1	I								
Orange City	7	SNOWFALL 5.4	0.2	T	T	T						0.3	1.2	T				0.1	3.0	T					T	0.6		T							
		SNOW ON GROUND	T									T	1	1	1	1	1	T	3	3	3	3	1	1	1	1	1	T	T	T	T	T	T		
Pocahontas	8	SNOWFALL 10.1	T			1.0						T	3.0					3.0	I						0.1	3.0									
		SNOW ON GROUND				1						T	2	2	2	2	2	2	5	5	5	5	3	2	1	4	4	2	2	1	1	1	1		
Primghar	16	SNOWFALL 10.6	I			I						0.7	3.1					0.7	4.1						2.0										
		SNOW ON GROUND										1	4	4	3	3	3	4	8	8	8	7	6	4	6	5	4	2	1	T	I				
Remsen #2	6	SNOWFALL 3.5	T			T						I	1.0					2.1	I						T	0.4									
		SNOW ON GROUND											1	1	1	1	1	T	2	2	2	2	1	T	I	1	1								
Rock Rapids	8	SNOWFALL 8.0	I									0.3	2.7					5.0																	
		SNOW ON GROUND	I									I	3	3	2	2	2	2	5	5	4	4	3	3	2	2	2	2	1	1	1	1	1		
Rock Valley	7	SNOWFALL 8.0	T	T		T						T	2.0					6.0																	
		SNOW ON GROUND										I	2	2	2	2	2	2	8	8	8	6	4	2	2	2	2								
Sanborn	8	SNOWFALL 12.1	0.2			I						0.5	3.6					6.5	I						0.3	1.0									
		SNOW ON GROUND	1	I								1	3	3	3	3	3	3	9	9	9	9	8	7	6	7	7	3	3	3	2	2	2		
Sheldon	7	SNOWFALL 9.1	1.0	0.2		0.1					T	0.2	2.7	T				T	4.1	T					0.3	0.5			T						
		SNOW ON GROUND	1	T								T	2	2	2	2	2	2	6	6	6	6	5	3	3	2	2	1	1	1	1	T	T		
Sibley	7	SNOWFALL 9.5	0.4									0.3	2.0					5.8								1.0									
		SNOW ON GROUND	T									T	2	2	2	2	1	1	6	6	6	6	5	4	4	5	5	3	3	3	3	3	3		
Sioux Center 2 SE	16	SNOWFALL 5.1	T								T	T	0.8	0.3				T	0.5	3.0					0.5										
		SNOW ON GROUND										1	1	1	1	1	1	1	4	4	4	3	T	T	I	T	T	T	T	T					
Sioux Rapids 4 E	22	SNOWFALL 9.0	T		0.5	0.2						2.1	0.6					2.1	1.5						2.0										
		SNOW ON GROUND			1							2	2	2	2	2	2	4	5	4	4	3	1	1	2	2	1	T	T	T	T	T	T		
Spencer 1 N	24	SNOWFALL 9.5	T		I					T	I	I	2.9	0.1				T	4.0	1.0					T	1.5	T	I	T						
		SNOW ON GROUND								T			3	3	3	3	3	2	6	6	6	6	5	2	2	2	2	1	1	1	1	T	T		

DECEMBER 2016				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			
Spirit Lake 4 W	24	SNOWFALL	10.4			I			T	T	T	T	3.5	0.5					3.5	1.2						1.7		I									
		SNOW ON GROUND										T	3	4	4	4	4	4	8	9	8	8	7	5	4	6	5	3	2	2	2	2	1	1			
Storm Lake	8	SNOWFALL	10.6	T	T		1.0						I	2.5						3.6	T					T	3.5		T								
		SNOW ON GROUND		T	T		1							2	2	2	2	2	1	4	4	4	4	1	I	T	4	3	I	I							
NORTH CENTRAL DIVISION																																					
Algona 3 W	6	SNOWFALL	14.0	T	T		1.0					T	T	T	3.0	T				6.0	I					T	4.0										
		SNOW ON GROUND					1								3	2	2	2	2	2	6	5	5	4	3	2	1	M	M	M	M	M	M	M			
Allison	7	SNOWFALL	16.0	I			4.0	0.5						4.0					I	2.0	0.5						5.0										
		SNOW ON GROUND					3	2	2	1	1	1	1	4	4	4	4	3	3	4	4	4	4	4	4	3	2	4	3	2	2	2	2	2	1		
Britt	7	SNOWFALL	M	I			M		M			T	T	I	3.5	T				M	M						I	4.0									
		SNOW ON GROUND					M	M							4	4	4	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
Charles City	7	SNOWFALL	14.2	T	T	T	1.0	0.6	0.1			T	T	T	4.0	I			0.1	3.4	1.0					T	4.0			T							
		SNOW ON GROUND					1	2	1	1	1	1	1	5	5	5	5	5	5	7	8	7	7	6	6	6	10	7	6	5	5	5	5	5			
Clarion	7	SNOWFALL	M	I			M						T	I	3.7					2.5	I					T	M										
		SNOW ON GROUND					M						T		4	4	4	4	4	4	7	7	7	6	5	3	3	M	M	5	4	3	2	2	1		
Dakota City	8	SNOWFALL	9.5	T			1.3						T	T	2.8					1.9	T						I	3.5									
		SNOW ON GROUND					1								3	2	2	2	2	2	4	4	3	3	2	1	1	4	4	1	1	I					
Forest City 2 NNE	7	SNOWFALL	15.1	I			0.5					T	T	I	6.0	T				T	5.0	0.1					T	3.5									
		SNOW ON GROUND					1	M	M	M	M	M	I	6	6	6	6	6	6	8	8	8	8	8	8	7	6	6	6	4	3	M	M	M	M		
Hampton	7	SNOWFALL	16.1	I			3.3	I						4.5						2.0	0.5						5.8										
		SNOW ON GROUND					3	1	I					5	5	5	5	5	5	5	5	5	5	5	3	2	2	4	4	2	2	2	1	1	1		
Kanawha	8	SNOWFALL	10.0	I			1.0						T	2.0						3.0	I						I	4.0									
		SNOW ON GROUND					1	M					I	2	2	2	2	2	2	5	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
Lake Mills	7	SNOWFALL	16.1	T			0.3					T	T	0.2	5.4	I			0.3	5.6	I						T	4.3									
		SNOW ON GROUND					T						T	5	5	4	4	4	4	4	10	9	9	9	9	8	8	11	11	10	8	8	8	8	8		
Mason City	7	SNOWFALL	14.0	I			3.0	I	T			T	0.2	T	3.0				0.1	4.0	0.7						T	3.0			T						
		SNOW ON GROUND					3	1	1	T	T	T	T	3	3	3	3	3	3	7	6	6	6	5	4	4	7	7	5	5	5	5	5	5	5		
Mason City Airport	24	SNOWFALL	14.9	I		I	2.0	I	0.1	I	I	I	2.8	1.1	I			0.2	3.9	1.2							3.6		I	I							
		SNOW ON GROUND					2	1	I	I	I	I	I	4	4	4	3	3	3	7	8	8	8	7	7	7	10	9	7	7	7	6	6	6			
Nashua 2 SW	7	SNOWFALL	16.0	T			2.6	1.4	T			T	T	T	4.0					2.9	0.6						T	4.5			T						
		SNOW ON GROUND					2	2	2	2	2	2	2	5	4	4	4	4	4	7	6	6	6	5	4	4	8	7	5	5	5	4	3	3			
Northwood	7	SNOWFALL	M	T	T		2.5	I	0.1			T	T	T	5.5	0.1			0.4	4.8	T						M	M		M							
		SNOW ON GROUND					3	M	M	M	M	M	M	6	6	6	6	6	6	10	9	9	M	M	M	M	M	M	M	M	M	M	M	M	M		
Osage	7	SNOWFALL	19.0	T	T		2.0	1.0	0.8			T	I	T	4.0	T			0.4	6.0	1.0						T	3.8									
		SNOW ON GROUND					2	1	1	1	1	1	1	5	5	5	5	5	5	10	11	11	11	10	9	9	11	10	8	8	8	7	7	7			
Saint Ansgar	6	SNOWFALL	20.8	T			3.8	I	1.0			T	T	T	4.6	T			1.2	5.5	0.3						4.4			T							
		SNOW ON GROUND					3	3	1	1	1	1	1	6	5	5	5	5	6	10	9	9	9	9	9	8	12	11	11	11	11	10	10	9			
Swea City 4 W	7	SNOWFALL	10.6	0.5			0.2						T	0.2	3.2	T			T	5.5	T						T	1.0			T						
		SNOW ON GROUND		I			I						I	2	2	2	2	2	2	6	6	6	5	4	3	2	2	2	I	I	I	I	I	I			

DECEMBER 2016			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	
NORTHEAST DIVISION																																		
Cascade	7	SNOWFALL 13.0 SNOW ON GROUND				2.9 3	3.0 3				T 1	T 1		2.8 4	1.0 4					1.2 4	1.3 6						0.8 4							
Cresco 1 NE	7	SNOWFALL 20.7 SNOW ON GROUND	T	T	T	2.0 2	1.0 1	T 1	T 1	T 1	T 1	0.2 1	6.1 7	0.1 7					1.2 8	3.7 10	1.9 11					4.5 14	T 12		T 7					
Decorah	16	SNOWFALL 16.1 SNOW ON GROUND	I			2.0 1		0.1 1	T 1	T 1		1.5 2	4.5 5					2.0 6	4.0 10						2.0 9									
Dubuque Lock & Dam 11	6	SNOWFALL 18.2 SNOW ON GROUND	I			1.2 1	4.0 4					I 1		4.0 5	3.0 6					2.0 3	3.0 5					1.0 4								
Dubuque Airport	24	SNOWFALL 17.4 SNOW ON GROUND	T			5.6 2	T 5	T 3		T 3	T 2	3.2 2	2.5 6				T 4		1.3 4	2.6 5					2.2 6									
Elkader 6 SSW	7	SNOWFALL 12.3 SNOW ON GROUND	T			1.1 1	2.3 1	T T	T T	T T	T T	T T	4.4 4	T 4					0.1 4	1.9 6	0.8 6						1.7 4			T 1	T T		T T	
Fayette	7	SNOWFALL 17.4 SNOW ON GROUND	T	T	T	2.3 2	2.1 4	T 3	T 3	T 3	T 3	T 3	5.3 7						T 6	3.3 8	0.4 8					4.0 4			T 3					
Guttenberg L & D 10	6	SNOWFALL 12.6 SNOW ON GROUND	I			0.9 1	3.5 1					I T	0.1 4	3.5 4	I 4				0.1 4	2.0 6	1.5 7					1.0 4								
Ionia 2 W	7	SNOWFALL 15.5 SNOW ON GROUND	T			2.5 2	0.5 1	T 1			T 1	T 1	4.0 5						T 4	4.0 8	0.5 8					4.0 9								
Manchester #2	7	SNOWFALL 12.5 SNOW ON GROUND	T			1.1 1	3.3 2		T 1	T 1	0.1 T	T T	3.2 4	0.4 4					T 4	1.7 6	1.2 7					1.5 4								
New Hampton	8	SNOWFALL 20.6 SNOW ON GROUND	I			1.9 2	3.7 4	T 3				I 2	0.1 7	5.0 6					T 5	5.0 10	0.5 10					5.0 12								
Oelwein 1 E	7	SNOWFALL 13.3 SNOW ON GROUND	T			3.5 4	0.6 4	T 2	T 1	T 1	T 1	T 1	3.4 2	T 2					T 2	1.6 3	1.4 4					2.8 3								
Postville	7	SNOWFALL 18.1 SNOW ON GROUND	I			0.5 1	4.0 2		T 2	T 1	T 1	T 1	4.6 5						T 5	3.7 8	1.1 9					4.2 9								
Strawberry Point	7	SNOWFALL 12.7 SNOW ON GROUND	T	T		1.0 1	3.2 3		I 2	T 1	T 1		3.2 4	T 4					T 4	1.8 6	1.5 7					2.0 7								
Tripoli	7	SNOWFALL 14.8 SNOW ON GROUND	I			2.1 1	2.5 3	0.1 2		T 2	T 2		3.7 6	T 6		T 5			T 5	2.4 7	0.4 7					3.6 7								
Waterloo Airport	24	SNOWFALL 10.5 SNOW ON GROUND			T	2.6 1			T 1	T 1		2.8	1.1 4					T 4	1.5 3	0.5 5					2.0 4		T 5							
WEST CENTRAL DIVISION																																		
Audubon	8	SNOWFALL 5.1 SNOW ON GROUND	T			1.5 1						T I	1.0 1							1.0 1	0.1 1					T I	1.5 1							
Battle Creek 3 NE	8	SNOWFALL 6.3 SNOW ON GROUND	I		T	1.0 1						I I	0.9 1						I I	1.2 1	0.8 2					2.4 1								
Carroll	7	SNOWFALL 4.9 SNOW ON GROUND	T			0.3 I							1.1 1						0.5 I	I 1						3.0 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
Castana Exp. Farm	8	SNOWFALL 11.2	I	T		3.0							2.0	T					0.5	0.2						5.5							
		SNOW ON GROUND				3	1						2	2	1	1	1	1	2	2	2	2	1			5	4						
Denison	7	SNOWFALL 7.5	T			1.0							2.5						0.5	I					T	3.5							
		SNOW ON GROUND				1							2	2	1	1	1	1	1	1	1	1	T	T	T	3	1						
Guthrie Center	8	SNOWFALL 3.0	T			T							2.0						0.4	0.1					T	0.5							
		SNOW ON GROUND				T							2	1					T	T	T	T			T	I							
Holly Springs 1 NW	7	SNOWFALL 7.0	T			1.0						T	2.0						1.7	0.3						2.0							
		SNOW ON GROUND				1							2	1	I	I	I	I	2	2	1	1	I			1	I						
Holstein	7	SNOWFALL 8.7	T		T	2.0							2.5						2.0	I						2.2							
		SNOW ON GROUND	T	T		2	T						2	2	2	1	1	T	2	2	2	1	1	T	T	2	2	T	T	T	T	T	T
Little Sioux 2 NW	7	SNOWFALL 13.0	T			2.0		T				0.5	2.5						2.6	0.1					1.4	3.9							
		SNOW ON GROUND	T			1	T					1	3	2	1	1	1	1	4	4	4	3	2	T	1	4	4						
Logan	8	SNOWFALL 3.4	T			T						0.5	0.5						0.8	I					0.8	0.8							
		SNOW ON GROUND										1	1	1	1	I			1	1	1	1			1	T							
Mapleton #2	7	SNOWFALL 6.0	T			T						T	2.0						1.0	T					3.0								
		SNOW ON GROUND											2	1	T	T	T	T	1	1	1	1	T	T	3	2							
Rockwell City	7	SNOWFALL 12.0	T			3.0							2.0						1.0	I					6.0								
		SNOW ON GROUND	T			3	T						2	2	1	1	1	1	1	1	1	1	1	T	T	6	4	1	1	1	1	1	1
Sac City	7	SNOWFALL 6.0	T			1.0							1.0						1.0	I					3.0								
		SNOW ON GROUND	T			1							1	1	1	1	1	1	2	2	2	2	1	1	3	1							
Sioux City Airport	24	SNOWFALL 4.5		T	0.2					T	T	1.0	T			T		1.6	1.0						0.7		T						
		SNOW ON GROUND										T	1	1	1	1	1	1	1	2	2	2	1	T	T	T	T	T	T				
CENTRAL DIVISION																																	
Ames 8 WSW	16	SNOWFALL 5.0	I			1.3		I				1.0	I						1.0						1.7								
		SNOW ON GROUND				1	T					1	1	T	T	T	T	T	1	1	1	T			2	1							
Ames 5 SE	6	SNOWFALL 5.0	I			2.0	T				T		1.0					T	0.5	0.5					I	1.0							
		SNOW ON GROUND				1	1						1	1					T	T	T	T	T			1							
Ankeny	8	SNOWFALL 3.4	T			1.0	T						1.0						T	0.6					0.2	0.6							
		SNOW ON GROUND				1	T						1	T					T	1	1	1	T		I	I							
Boone	8	SNOWFALL 5.0	T			1.6	T	0.2		T			0.5						0.5	0.4					0.3	1.5							
		SNOW ON GROUND				2	1	T	T	T	T	T	1	T	T	T	T	T	T	T	T	T	T	T	T	2	1						
Brooklyn	7	SNOWFALL 3.2				0.5	1.0	T	T				0.8	0.2					I	0.7						T							
		SNOW ON GROUND				1	1	T					1	1	1	1	1	1	1	1	1	1	1	1	T	T	T	T					
Clutier	7	SNOWFALL 7.0				2.0	1.0	T			T		2.0	T					0.5	0.5						1.0							
		SNOW ON GROUND				2	2	T	T	T	T	T	2	2	2	2	2	2	2	3	3	2	2	1	T	1	1	T	T				
Des Moines Airport	24	SNOWFALL 3.8	T	T	T	0.7		T		T		1.0	T				T	T	1.7						0.4								
		SNOW ON GROUND											1					T	T	2	2	2	T		T								
Des Moines Camp Dodge	24	SNOWFALL 3.9	T	T	T	1.0		T		T		1.0	T				T	T	0.9						1.0								
		SNOW ON GROUND				T						1	T	T				T	1	1	1	T			1								

DECEMBER 2016				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	
Eldora	7	SNOWFALL	9.6	T			2.6	0.6						2.4						1.0	I					T	3.0								
		SNOW ON GROUND					3	2	2	1	I	I	I	3	3	2	2	2	2	3	3	3	3	3	2	2	5	4	2	1	1	T	T		
Fort Dodge 5 NNW	7	SNOWFALL	12.0	T			3.0		T		T	T	T	3.0				T		1.0	I						5.0			T					
		SNOW ON GROUND					1							3	2	2	2	2	2	3	3	3	3	2	1	1	4	4	1	1	I	I	I		
Gilman	7	SNOWFALL	8.0				3.0	1.0						1.0						T	2.0						1.0								
		SNOW ON GROUND					3	4	1	I	I	I	I	1	1	1	1	1	1	T	2	2	2	1	I	I	1	T							
Grinnell 3 SW	7	SNOWFALL	6.8	T			0.5	2.8				T		0.8	T					T	1.5					I	1.2								
		SNOW ON GROUND					1	2	1	I	I	I	I	1	1	1	1	1	1	1	3	3	3	2	1	1	2	1							
Grundy Center	8	SNOWFALL	8.5	T			1.5	1.0				T		3.0						1.0	T					T	2.0								
		SNOW ON GROUND					1	1	T	T	T	T		3	3	2	2	2	2	3	3	3	3	2	1	1	2	2	T	T	T	T	T	T	
Iowa Falls	7	SNOWFALL	11.0	T			2.0	1.0	T	T	T	T		2.5						1.0	0.5					T	4.0								
		SNOW ON GROUND					2	2	1			I		3	2	2	2	2	2	3	3	3	3	3	2	1	5	4	3	3	3	2	2	1	
Marshalltown	7	SNOWFALL	3.5	T			1.0	0.2				T		1.3						0.2	0.2					T	0.6								
		SNOW ON GROUND					1	1	I			T		1	1	1	1	1	1	1	1	1	1	1	T	T	1	T							
Montezuma 1 W	7	SNOWFALL	3.5				0.5	1.0						0.5	T					T	1.5						T								
		SNOW ON GROUND					1	1	1					1	1	1	1	T		T	2	2	2	1	I		T								
Newton	7	SNOWFALL	7.0				1.5	1.1						1.0						I	2.0					I	1.4								
		SNOW ON GROUND					1	2						1	I					I	2	2	2	1	I		1	I							
Perry	7	SNOWFALL	2.4	T			0.8		T					0.6						0.2	0.6					T	0.2								
		SNOW ON GROUND					1							1	I					T	1	1	1	I		I									
Toledo 3 N	7	SNOWFALL	8.3	T			3.0	1.0						2.0	T					0.3	1.0					T	1.0	T							
		SNOW ON GROUND					3	2	1	T	T	T	T	2	1	1	1	1	1	1	2	2	2	1	T	T	T	T							
Webster City	7	SNOWFALL	8.5	T			1.0		T			T		1.5						1.7	0.3					T	4.0								
		SNOW ON GROUND					1	T	T			T		2	2	2	2	2	2	4	4	4	3	2	T	T	4	3	I	I					
Zearing	7	SNOWFALL	6.9	I			1.0	0.4				T		2.0						0.7	1.0						1.8								
		SNOW ON GROUND					1	1	I			T		2	M	M	M	M	M	2	3	M	M	M	M	M	M	M							
EAST CENTRAL DIVISION																																			
Anamosa 3 SSW	6	SNOWFALL	11.6	T			2.4	3.2				T	T	1.8	1.2					0.6	1.6						0.8								
		SNOW ON GROUND					2	3	1	T	T	T	T	2	4	4	4	4	3	3	4	4	4	3	2	1	2	2	1	1	1	1	T	T	
Belle Plaine	7	SNOWFALL	6.0	T			2.5	0.5				T		1.0	T					T	2.0					T	T								
		SNOW ON GROUND					2	2	1	T	T	T	T	1	1	1	1	1	1	1	2	2	2	1	1	I	T								
Bellevue Lock & Dam 12	6	SNOWFALL	16.2				2.0	3.8				I		2.2	2.2					1.5	2.5						2.0								
		SNOW ON GROUND					2	3	2	2	2	2	2	2	4	4	4	4	3	4	5	5	5	5	5	5	5	4	2	1	1	1	1	I	
Cedar Rapids #1	17	SNOWFALL	10.0	I			3.8				T		1.5	1.7					T	2.1	T					0.6	0.3								
		SNOW ON GROUND					4	2	T	T	T	T	2	3	3	3	3	3	3	5	5	4	4	4	3	4	3	1	I	I	T	T			
Clinton #1	18	SNOWFALL	14.4				8.0				T		1.5	2.5	T				0.2	0.4	1.8					T						T			
		SNOW ON GROUND					7	2	T	T	T	T	2	4	4	3	3	3	3	3	5	5	4	4	4	3	2	1							
Coggon	6	SNOWFALL	15.9				2.2	3.4				T		2.4	1.8					2.1	1.4						2.6								
		SNOW ON GROUND					2	4	2	1	T	T	T	2	4	4	3	3	3	4	5	5	5	4	3	2	4	3	T	T	T	T	T	T	

DECEMBER 2016				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	DAY OF MONTH							26	27	28	29	30	31			
Davenport Airport	24	SNOWFALL	16.5	T			10.2			T	T	T	1.4	2.3	T	T			0.1	2.5	T					T						T		
		SNOW ON GROUND					I	7	2	T	T	T	T	1	3	3	3	2	2	2	3	3	3	3	1	1	T	T						
De Witt	8	SNOWFALL	12.5				1.0	4.5				I		1.0	3.0					T	3.0						I							
		SNOW ON GROUND					1	4	1	I	I	I	I	1	4	3	3	2	2	1	4	3	3	3	2	1	I	I						
Iowa City	7	SNOWFALL	7.0				0.5	2.5				I		1.0	1.0					I	2.0						I							
		SNOW ON GROUND					1	3	I					1	2	2	1	1	1	1	2	2	2	2	1	I	I							
Le Claire L & D 14	6	SNOWFALL	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			
Lowden	24	SNOWFALL	13.2				6.0				T	T	1.7	1.3					T	0.2	2.9					1.1								
		SNOW ON GROUND					4	1					2	3	3	2	2	2	2	2	4	4	3	3	2	2	2	2						
Maquoketa 4 W	7	SNOWFALL	13.0				2.0	3.9				T		1.8	1.6					0.3	1.7						1.7							
		SNOW ON GROUND					2	3	1	1	1	1	1	2	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2	T	T	T		
Monticello	7	SNOWFALL	10.5	I			2.0	2.0				I		3.0	1.0					1.0	1.0						0.5							
		SNOW ON GROUND					2	3	M	M	M	M	M	3	4	M	M	M	M	M	4	5	M	M	M	M	M	3	3	1	1	T		
Muscatine	6	SNOWFALL	8.2				T	4.0				I		0.8	0.4						3.0						I							
		SNOW ON GROUND					I	3	I					1	1	1	1	1	1	1	1	4	4	3	3	1	T	T	T					
Muscatine 2 N	5	SNOWFALL	12.8	T			1.9	4.3				0.2		1.3	2.2					0.2	2.7						T							
		SNOW ON GROUND					2	5	T	T	T	T	T	1	2	2	2	2	2	2	2	5	5	4	4	2	1	1	T					
Swisher	7	SNOWFALL	6.5	T			1.6	2.1			T	T	T	1.3	0.3					0.1	1.0						0.1							
		SNOW ON GROUND					2	3	2	1	I	T	T	1	2	2	2	2	2	2	3	3	3	2	1	1	T							
Vinton	7	SNOWFALL	9.7	I			2.5	2.0						3.0	I					0.4	0.3						1.5							
		SNOW ON GROUND					2	3	2	1	1	1	I	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2					
Williamsburg 1 E	7	SNOWFALL	5.1				1.0	2.0						0.5	T					0.1	1.5						T							
		SNOW ON GROUND					1	2	I					1	1	1	1	1	1	1	1	2	1	1	1	T	I	I						
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	SNOWFALL	1.6	T			0.4							0.6						0.3	0.1						T	0.2						
		SNOW ON GROUND					I							1						I	I	I	I				I							
Bedford	7	SNOWFALL	1.5	T			T	T												T	1.5						T							
		SNOW ON GROUND					T														1	1	1	1										
Clarinda	6	SNOWFALL	1.0	T																I	1.0													
		SNOW ON GROUND																			1	T	T	T										
Glenwood	6	SNOWFALL	1.5	T			0.5													T	1.0						I	T						
		SNOW ON GROUND					T													T	1	1	T											
Greenfield	8	SNOWFALL	1.8				0.3							0.5						0.2	0.8						T	I						
		SNOW ON GROUND					I							1						I	1	I	I											
Hastings 4 NE	8	SNOWFALL	2.0				1.5													T	0.5						T	T						
		SNOW ON GROUND																		T	T	T	I			T								
Massena	7	SNOWFALL	2.0				T							1.5						I	0.5						T							
		SNOW ON GROUND												1						I	1	I	I											

DECEMBER 2016				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			
Oakland	7	SNOWFALL	2.4	T			1.7							T	0.3					T	0.2						T	0.2									
		SNOW ON GROUND					1	T						T	T					T	I	I	I				T	T									
Randolph	8	SNOWFALL	1.5	T			1.0													T	0.5						T										
		SNOW ON GROUND																		T	1	1	I														
Red Oak	7	SNOWFALL	1.0	T			T													T	1.0						I	I									
		SNOW ON GROUND																		T	1	1	I														
Shenandoah	8	SNOWFALL	1.6																	I	1.5							0.1									
		SNOW ON GROUND																			2	1	1	T				T									
Sidney 1 SSE	7	SNOWFALL	2.2				1.0													I	1.2																
		SNOW ON GROUND																			1	I	I														
Underwood	7	SNOWFALL	2.0	T			1.3							T	T					0.7	T						T	T									
		SNOW ON GROUND					1							T	T					1	1	1	T				T										
SOUTH CENTRAL DIVISION																																					
Albia 3 NNE	7	SNOWFALL	3.8				T	T						0.2	0.3					0.2	2.9							0.2									
		SNOW ON GROUND					T	T						T	T					T	3	3	3	1													
Allerton	8	SNOWFALL	1.0	T			0.3	T						T	T					T	0.7							I									
		SNOW ON GROUND					I														1	1	1	T	T												
Beaconsfield	7	SNOWFALL	1.9				0.5	I													1.4							I									
		SNOW ON GROUND					1														1	1	1	1	T	T											
Centerville	7	SNOWFALL	3.3				0.5	0.3						I						I	2.5							I									
		SNOW ON GROUND					1													I	3	3	3	2													
Chariton 1 E	7	SNOWFALL	3.2				0.2	0.5						0.4	I					0.1	2.0							I									
		SNOW ON GROUND					T							I						T	2	2	2	1													
Creston 2 SW	7	SNOWFALL	1.1				0.5	T						0.2						0.1	0.3							I									
		SNOW ON GROUND					1							I						I	I	I	I	I													
Indianola 4 W	7	SNOWFALL	4.1				0.5	T						0.8						I	2.8						T	T									
		SNOW ON GROUND					1							1	T					I	3	2	2	I			T	T									
Knoxville	8	SNOWFALL	4.1				0.5	0.5						1.0	T					0.1	1.5							0.5									
		SNOW ON GROUND					1							1						I	2	1	1	1													
Lamoni	7	SNOWFALL	2.7				0.3	0.4							I						2.0							I									
		SNOW ON GROUND					I														2	2	2	1	I												
Lorimor	8	SNOWFALL	1.9				0.5							0.5						0.3	0.6							I									
		SNOW ON GROUND					T							1						T	1	I	I														
Mount Ayr	8	SNOWFALL	2.0				T	T												T	2.0							T									
		SNOW ON GROUND					T													T	2	2	2	1													
Osceola	8	SNOWFALL	2.2				0.2	0.5						0.3	I					0.2	1.0							T									
		SNOW ON GROUND					T							T						T	1	1	1	1													
Pella 1 S	7	SNOWFALL	3.5				0.5	0.6						0.3	T					0.1	2.0						T	T									
		SNOW ON GROUND					1							T	T					T	2	2	2	1	T	T	T										

DECEMBER 2016				DAILY NEW \$NOWFALL 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
Rathbun Dam	7	SNOWFALL	3.3				0.4	0.1						I						T	2.8						I							
		SNOW ON GROUND					I													I	3	3	3	1	T									
Winterset 1 S	7	SNOWFALL	2.9				0.4							1.0						0.2	1.3						T							
		SNOW ON GROUND					I							1						T	2	1	I											
SOUTHEAST DIVISION																																		
Bloomfield 1 WNW	7	SNOWFALL	4.0				0.5	1.5						I						T	2.0						I							
		SNOW ON GROUND					1	T												T	2	2	2	1	T									
Burlington Airport	24	SNOWFALL	6.3				5.0					I	0.1	I					0.2	0.8	0.2					I								
		SNOW ON GROUND					I	3	1											I	1	1	1	1										
Donnellson	7	SNOWFALL	7.7				0.7	4.5						T	T	T				0.1	2.4						T							
		SNOW ON GROUND					1	3	T											T	2	2	2	1	T	T								
Fairfield	8	SNOWFALL	4.7				0.5	2.0					T		0.1	0.3				0.3	1.5							T						
		SNOW ON GROUND					1	1								T	T	T	T	T	2	2	2	1	T	T	T							
Fort Madison	24	SNOWFALL	3.5				2.0							I	I				0.5	1.0	I													
		SNOW ON GROUND					2	I											1	2	2	1	1											
Keokuk Lock & Dam 19	6	SNOWFALL	5.7				I	3.0												0.2	2.5						I							
		SNOW ON GROUND						2												I	3	3	2	1	I									
Keosauqua	7	SNOWFALL	4.0				0.5	2.5					T		T					T	1.0						I							
		SNOW ON GROUND					1	2												I	1	1	1	T										
Mount Pleasant 1 SSW	7	SNOWFALL	7.9				1.2	3.5						1.0	0.5					0.2	1.5						I							
		SNOW ON GROUND					M	M	M					M	M	M	M	M	M	M	M	M	M	M	M	M	M							
Oskaloosa	7	SNOWFALL	2.9				T	0.6					I		0.4	I				0.4	1.5							I						
		SNOW ON GROUND													I					T	1	1	1	I										
Ottumwa Airport	24	SNOWFALL	2.2				0.4					I	I	0.3	I				I	1.5						I								
		SNOW ON GROUND					I	I							I					I	2	1	1	I										
Salem 1 S	7	SNOWFALL	5.3				1.0	3.0						T	T					0.3	1.0						I							
		SNOW ON GROUND					1	2	I					T	T					I	1	1	1	I										
Sigourney	7	SNOWFALL	5.5				1.5	1.0						1.0	T					T	2.0						I							
		SNOW ON GROUND					1	T						1	1	1	1	1	1	1	2	2	2	1	I									
Washington	7	SNOWFALL	5.5	T			1.0	2.7					T		0.3	0.6				I	0.9							T						
		SNOW ON GROUND					1	2	T				T		1	1	1	1	2	2	1	2	2	2	1	T	T	T	T					
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	SNOWFALL	13.8				7.8				T	T	T	1.7	1.5				0.1	2.7	T						T							
		SNOW ON GROUND					T	5	2						2	3	3	3	2	2	2	3	3	3	2	1	1	T						
Omaha Eppley AP	24	SNOWFALL	3.2			1.2		T						0.2	T					T	1.3						0.5							
		SNOW ON GROUND					1													1	1	T	T											
Sioux Falls WFO AP	24	SNOWFALL	10.9	T		T				T		T	0.4	3.3	T	T			0.1	6.2	0.9	T					T	T						
		SNOW ON GROUND		T										T	3	3	2	2	2	2	8	8	6	5	5	2	2	2	2	T	T	T	T	T

DECEMBER 2016		STATION INDEX				IOWA CLIMATE		REVIEW				DECEMBER 2016		STATION INDEX				IOWA CLIMATE		REVIEW	
STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)		STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)	
			DEG	MIN	SEC	DEG	MIN	SEC						DEG	MIN	SEC	DEG	MIN	SEC		
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	
Britt	NC	Hancock	43	6	6	93	48	5	1240		Gilman	C	Marshall	41	52	41	92	46	43	1040	
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910		Glenwood	SW	Mills	41	3	6	95	44	57	1060	
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692		Greenfield	SW	Adair	41	17	53	94	27	22	1330	
Carroll	WC	Carroll	42	3	54	94	51	0	1227		Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912	
Cascade	NE	Dubuque	42	17	56	90	59	54	870		Grundy Center	C	Grundy	42	21	53	92	45	34	1045	
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450		Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075	
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868		Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618	
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810		Hampton	NC	Franklin	42	45	22	93	12	4	1230	
Centerville	SC	Appanoose	40	44	11	92	52	9	980		Harlan 1 ESE	WC	Shelby								
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940		Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050	
Charles City	NC	Floyd	43	3	37	92	40	18	993		Hawarden	NW	Sioux	43	0	11	96	29	6	1190	
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180		Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100	
Clarinda	SW	Page	40	43	28	95	1	19	980		Holstein	WC	Ida	42	29	23	95	32	56	1370	
Clarion	NC	Wright	42	43	12	93	44	1	1156		Indianola 4 W	SC	Warren	41	21	56	93	38	53	942	
Clinton #1	EC	Clinton	41	47	41	90	15	50	594		Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019	
Clutier	C	Tama	42	4	48	92	24	18	900		Iowa City	EC	Johnson	41	36	33	91	30	18	640	
Coggon	EC	Linn	42	16	45	91	31	30	903		Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668	
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255		Iowa Falls	C	Hardin	42	31	8	93	15	13	1051	
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320		Jefferson 2 NW	WC	Greene								
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110		Kanawha	NC	Hancock	42	55	52	93	47	36	1185	
Davenport Airport	EC	Scott	41	36	42	90	34	54	748		Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527	

DECEMBER 2016			STATION INDEX			IOWA CLIMATE REVIEW			DECEMBER 2016			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	
Keosauqua	SE	Van Buren	40	43	39	91	58	6	592	Postville	NE	Allamakee	43	5	24	91	33	29	1165
Knoxville	SC	Marion	41	19	29	93	6	3	915	Primghar	NW	O' Brien	43	5	11	95	37	45	1520
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260	Randolph	SW	Fremont	40	52	28	95	34	0	980
Lamoni	SC	Decatur	40	37	24	93	57	3	1128	Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	965
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135	Red Oak	SW	Montgomery	41	0	13	95	14	31	1040
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577	Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320	Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025	Rock Valley	NW	Sioux	43	12	16	96	18	22	1246
Logan	WC	Harrison	41	38	17	95	47	18	1030	Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224
Lorimor	SC	Union	41	7	29	94	3	5	1230	Sac City	WC	Sac	42	25	10	94	58	34	1210
Lowden	EC	Cedar	41	51	23	90	55	48	715	Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139
Manchester #2	NE	Delaware	42	28	24	91	27	6	990	Salem 1 S	SE	Henry	40	50	8	91	37	20	650
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200	Sanborn	NW	O' Brien	43	10	45	95	39	37	1551
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782	Sheldon	NW	O' Brien	43	10	51	95	51	10	1420
Marshalltown	C	Marshall	42	3	53	92	55	28	871	Shenandoah	SW	Page	40	46	2	95	22	48	975
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974	Sibley	NW	Osceola	43	24	17	95	44	54	1529
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105	Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225	Sigourney	SE	Keokuk	41	20	11	92	12	16	800
Massena	SW	Cass	41	15	19	94	45	54	1325	Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360
Moline Airport		Rock Island,IL	41	27	55	90	31	24	592	Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965	Sioux Falls		Minnehaha,SD	43	34	40	96	45	14	1428
Monticello	EC	Jones	42	14	28	91	10	24	820	Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180	Spener Airport	NW	Clay	43	9	52	95	12	6	1338
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730	Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326
Muscatine	EC	Muscatine	41	24	27	91	4	22	549	Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680										
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059	Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148	Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200
Newton	C	Jasper	41	42	42	93	1	47	960	Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239
Northwood	NC	Worth	43	26	19	93	13	31	1190	Swisher	EC	Johnson	41	50	59	91	40	35	790
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260	Toledo 3 N	C	Tama	42	2	8	92	34	50	949
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165	Tripoli	NE	Bremer	42	48	45	92	15	27	960
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982	Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080
Orange City	NW	Sioux	43	0	2	96	3	14	1380	Vinton	EC	Benton	42	10	13	92	0	28	850
Osage	NC	Mitchell	43	16	46	92	48	38	1170	Wapello	SE	Louisa							
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	Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842	Webster City	C	Hamilton	42	28	7	93	47	50	1170
Pella 1 S	SC	Marion	41	22	34	92	55	13	780	Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Perry	C	Dallas	41	50	22	94	6	38	965	Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212	Zearing	C	Story	42	10	1	93	18	35	1116

REFERENCE NOTES

DEFINITIONS

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

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

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

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

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

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

SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

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

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

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

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

ABBREVIATIONS:

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

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

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

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

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

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

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

16/16 SEAS: 2016-2017 season (July 1, 2016 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.

