

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

STATE CLIMATOLOGIST OFFICE

IOWA CLIMATE REVIEW

VOLUME 31, NUMBER 11
NOVEMBER 2017



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

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

IOWA MONTHLY WEATHER SUMMARY – NOVEMBER 2017

General Summary. Iowa temperatures averaged 36.1° or 0.5° below normal while precipitation totaled 0.44 inches or 1.61 inches less than normal. This ranks as the 68th warmest and 15th driest November among 145 years of records. A lower precipitation total has not been recorded for any month of the year since November 2007.

Temperatures. The first one-half of November was unusually cold and cloudy with the highest temperature during this period being only 57° at Keokuk on the 15th. Afternoon high temperatures reached only 23° at Estherville and Spirit Lake on the 9th while the morning low fell to 6° at Swea City on the 10th, this being the lowest temperature recorded in Iowa for so early in the season since 2003. Sidney finally brought Iowa's first 60 degree temperature of the month on the 17th. However, temperatures again fell to 6° on the morning of the 22nd at Estherville and Little Sioux. Finally, the remainder of the month was unseasonably mild. Sioux City set a daily record high temperature on the 23rd of 63° while nearly all of the state set records on the 24th with Iowa City Airport the hot spot at 74°.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 1% more than normal and 44% more than seen during the exceptionally mild November of 2016. Heating degree totals thus far this heating season are running 10% less than normal, but 36% more than at this time last year when Iowa recorded its warmest fall since 1931.

Precipitation. The dry weather pattern that began in mid-October persisted through all of November. Lost Nation in Clinton County recorded the most precipitation with 1.51 inches, but was still nearly an inch below normal. Rock Rapids and Hawarden reported the

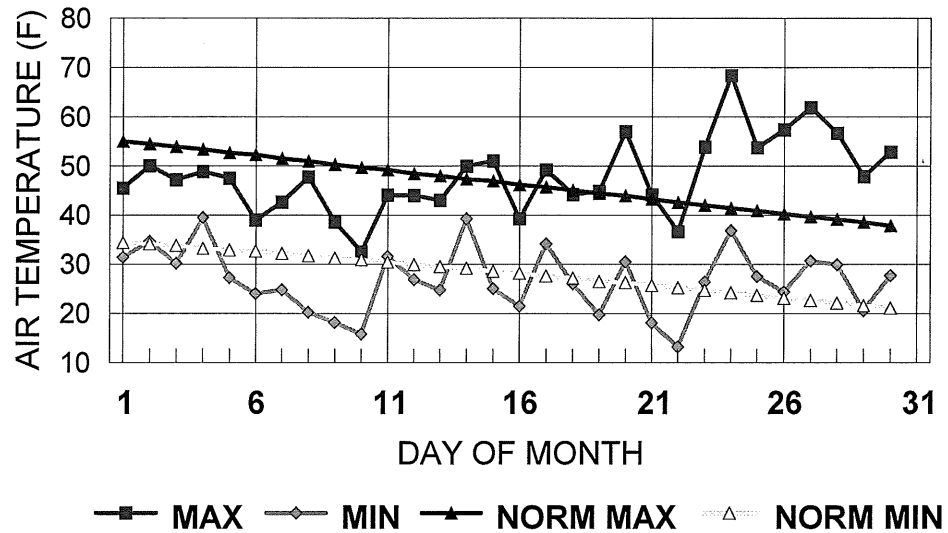
least precipitation with only 0.02 inches. At Rock Rapids this was the lowest November precipitation total since 1939. Most of the month's precipitation fell on the 11th-12th when up to 0.65 inches fell at Muscatine and on the 17th-18th when Keokuk picked up the most rain with 0.83 inches. The dry weather was great for finishing up the fall harvest. However, combined with a very dry growing season across southeastern portions of the state, this resulted in subsoil moisture levels being rated 72% short to very short in the south central district with 61% in the same categories across the southeast district according to the final USDA/NASS crop report of the season as of November 26. Lower season-ending soil moisture levels were last recorded in 2013. There were three dates (1st, 7th and 12th) when light snow briefly accumulated over very small areas of the state. Maquoketa and Lowden reported the greatest accumulation with just 0.3 inches. The statewide average snowfall was a trace, tying with seven other years for the lowest November snowfall total (the others were in 1912, 1914, 1939, 1960, 1963, 2009 and 2012) among 131 years of records.

Fall Summary. Temperatures over the three autumn months averaged 52.0° or 1.8° above normal while precipitation totaled 8.13 inches or 0.10 inches above normal. This ranks as the 24th warmest and 58th wettest fall among 145 years of records.

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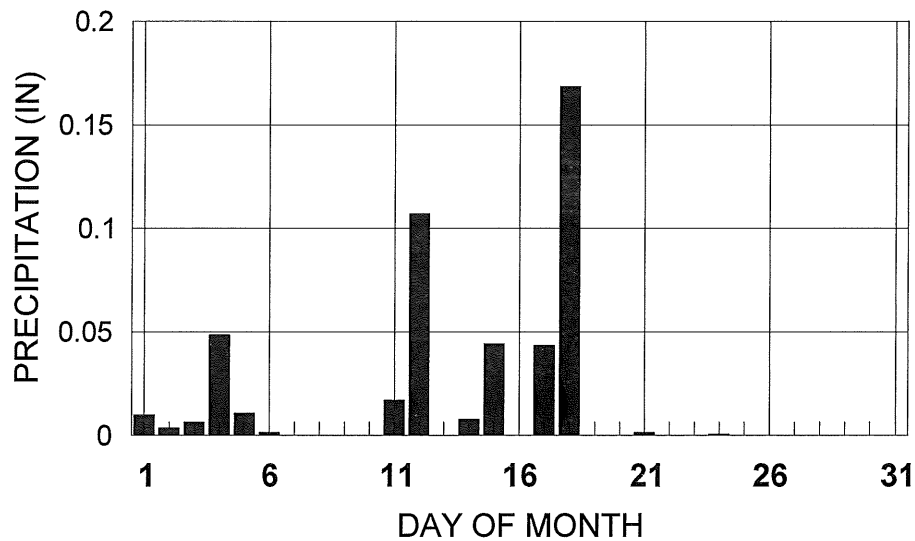
IOWA DAILY MAX & MIN TEMPERATURES

NOVEMBER 2017 (SELECTED STATIONS)



IOWA AVERAGE DAILY PRECIPITATION

NOVEMBER 2017 (SELECTED STATIONS)



NOVEMBER 2017																															IOWA CLIMATE REVIEW				
AIRPORT	DAY OF MONTH																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
PRELIMINARY AVERAGE DAILY DEW POINT TEMPERATURE																																AVG			
Ames	33	36	32	42	33	25	24	26	15	10	27	33	34	45	34	26	40	31	25	30	18	16	28	39	32	31	37	32	21	25		29.3			
Burlington	36	45	36	47	43	29	27	25	21	13	24	36	34	37	38	27	39	36	21	31	24	18	26	37	33	32	36	34	24	27		31.2			
Cedar Rapids	33	40	32	43	39	24	23	24	16	8	23	33	31	39	35	26	37	32	20	29	20	14	24	37	29	30	35	32	21	25		28.5			
Davenport																																####			
Des Moines	33	37	31	41	34	23	23	25	14	10	25	33	35	45	33	25	41	30	23	27	18	14	27	37	32	33	38	32	19	23		28.7			
Dubuque	31	39	31	41	38	23	23	24	16	8	19	30	29	36	34	26	34	31	18	29	19	15	23	36	27	27	34	30	21	25		27.2			
Estherville																																####			
Iowa City																																####			
Lamoni	36	40	34	42	37	25	25	25	18	12	27	36	36	47	36	26	45	33	24	29	21	15	29	37	32	33	39	36	21	25		30.7			
Marshalltown	33	37	31	42	35	24	24	25	15	9	25	33	33	43	34	26	37	30	22	29	18	15	26	38	30	31	36	32	21	24		28.6			
Mason City	28	32	26	39	30	23	23	25	11	5	25	25	30	41	29	25	34	25	20	27	14	13	23	36	26	28	34	25	18	24		25.5			
Moline, IL	34	42	33	43	42	26	24	24	19	11	20	33	30	35	35	26	36	34	19	29	22	16	22	35	29	28	32	30	24	31		28.8			
Omaha, NE	31	33	29	37	29	21	24	24	16	11	31	31	35	46	30	25	43	29	24	26	17	15	31	37	31	33	38	29	20	23		28.3			
Ottumwa	34	41	33	44	39	25	23	24	18	11	37	35	34	42	36	26	39	32	21	28	21	14	26	37	32	31	37	34	21	25		30.0			
Sioux City	31	34	29	37	27	22	26	26	14	11	28	25	35	46	27	25	38	26	24	27	13	15	32	36	30	31	36	26	18	23		27.3			
Sioux Falls, SD	31	31	27	36	24	24	26	27	11	9	23	24	35	44	24	23	35	21	23	25	11	15	32	37	31	30	35	23	19	24		26.0			
Spencer																																####			
Waterloo	31	36	29	40	34	23	22	24	14	6	23	31	30	39	32	25	34	28	19	28	16	13	22	36	27	26	34	30	19	23		26.5			
PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)																																AVG			
Ames	9.5	9.0	8.4	5.0	12.7	8.2	6.4	7.2	15.5	12.7	7.6	5.6	7.1	10.3	16.1	9.9	11.0	17.5	9.7	12.2	19.0	8.3	5.8	14.1	7.5	4.0	8.8	10.6	7.3	11.2		9.9			
Burlington	8.6	7.8	10.4	4.4	7.6	10.2	10.2	3.8	10.7	9.5	7.6	5.6	5.4	9.9	11.7	7.4	10.6	16.6	10.5	15.1	11.2	6.0	6.7	13.1	8.8	6.7	10.8	11.1	4.7	8.0		9.0			
Cedar Rapids	10.2	7.4	11.0	6.7	10.2	9.1	9.0	6.3	14.3	12.6	10.3	4.6	5.5	9.9	18.4	9.2	12.3	18.2	11.6	13.4	15.7	6.5	6.9	15.9	11.4	6.2	10.0	12.5	8.5	10.4		10.5			
Davenport	9.3	5.4	10.3	5.9	8.0	8.1	8.9	5.5	12.5	10.5	8.1	3.8	4.8	10.7	15.9	7.8	11.2	15.1	11.5	14.2	13.2	7.2	8.8	15.3	12.4	6.8	11.8	15.2	8.3	10.5		9.9			
Des Moines	10.6	8.8	9.8	4.7	10.5	8.6	6.9	6.1	12.9	12.1	9.1	4.0	8.6	10.0	15.4	7.4	10.6	15.8	9.8	13.5	15.0	8.4	7.4	15.5	6.7	5.8	12.1	9.9	7.9	10.4		9.8			
Dubuque	11.6	6.4	9.9	7.9	9.4	9.2	8.1	7.2	14.9	9.5	10.9	3.9	6.0	10.8	16.8	10.4	12.4	15.9	13.3	16.8	13.9	7.2	8.3	16.6	11.5	6.8	11.4	13.3	8.3	9.3		10.6			
Estherville	12.8	11.8	10.0	8.2	13.7	5.6	6.7	10.5	16.1	17.8	9.6	7.7	13.4	12.3	16.8	14.1	13.8	17.1	10.1	12.7	20.3	11.6	9.6	15.2	9.2	7.7	15.5	12.8	11.9	14.3		12.3			
Iowa City	9.6	6.0	9.0	4.0	9.4	9.3	6.7	3.0	12.4	10.4	9.1	3.9	3.6	7.2	13.8	7.6	9.5	15.7	9.2	10.5	12.6	5.9	3.5	12.6	10.6	3.9	7.9	10.3	6.4	7.9		8.4			
Lamoni	7.5	10.4	9.6	4.5	9.7	9.4	10.0	6.5	13.1	10.1	7.2	6.5	6.8	9.2	13.8	7.5	9.2	18.9	9.9	16.3	13.3	7.4	8.6	15.0	7.4	8.9	12.7	10.3	6.5	10.0		9.9			
Marshalltown	11.8	7.8	10.4	7.4	11.7	8.7	8.1	8.2	14.3	14.3	9.8	4.8	6.4	11.2	17.9	10.2	13.5	20.6	12.2	14.0	17.3	8.9	7.1	15.9	9.0	5.8	12.4	10.9	7.9	10.6		11.0			
Mason City	11.6	10.9	10.6	8.7	14.8	6.1	7.1	9.2	16.8	16.2	9.0	6.0	11.6	12.6	19.7	12.7	13.8	20.9	11.4	13.6	21.1	9.4	7.8	14.9	11.4	5.5	12.6	13.8	9.6	12.0		12.0			
Moline, IL	8.1	4.9	9.6	5.9	7.6	7.5	6.4	3.1	13.0	11.3	8.4	3.0	3.8	8.6	15.1	8.3	9.0	14.4	12.0	12.0	13.4	5.5	4.8	14.1	10.9	3.5	8.1	11.2	5.7	8.6		8.6			
Omaha, NE	10.9	11.4	6.8	4.8	13.8	7.0	6.4	8.3	13.6	14.1	7.4	5.4	10.4	8.4	12.9	10.6	11.3	17.2	8.9	9.9	15.6	9.1	6.6	12.8	3.4	5.8	12.9	12.2	6.6	5.8		9.7			
Ottumwa	10.1	8.1	11.0	5.4	9.6	8.2	8.1	5.9	13.8	11.4	8.0	5.5	6.4	11.8	15.6	9.1	11.7	20.3	12.0	17.1	16.5	7.4	7.6	15.4	9.3	6.9	12.0	11.8	7.3	10.0		10.4			
Sioux City	9.6	9.9	8.5	7.3	15.9	6.9	5.8	8.4	13.6	13.8	6.1	5.2	10.5	10.1	13.9	10.8	10.9	16.4	7.1	7.8	19.0	8.2	6.8	13.0	3.5	5.3	13.4	11.2	8.3	8.2		9.8			
Sioux Falls, SD	11.2	11.5	11.4	8.3	10.5	5.3	5.4	6.9	12.6	16.5	5.6	2.9	14.1	11.4	12.9	11.8	11.1	14.9	5.9	6.3	14.1	9.7	8.0	11.7	3.6	2.0	12.8	11.6	11.8	9.2		9.7			
Spencer	12.9	11.9	11.9	7.6	13.6	5.9	7.5	10.6	14.7	17.6	7.9	4.6	12.1	12.7	13.9	12.9	12.8	16.6	8.8	10.4	18.4	9.5	7.9	14.5	6.0	3.6	12.1	10.6	10.6	12.1		11.1			
Waterloo	11.9	7.9	10.8	7.4	11.5	7.5	6.8	6.8	16.1	13.2	9.6	3.5	6.9	10.3	16.4	10.3	11.7	18.5	10.4	11.4	17.7	8.1	5.3	13.6	9.2	3.9	10.6	10.4	7.6	9.0		10.1			
PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)																																MAX			
Ames	26	28	21	19	29	21	17	23	31	28	20	15	22	22	37	25	25	39	24	40	41	22	16	45	22	17	26	30	24	29		45			
Burlington	23	24	26	20	24	19	23	13	30	23	20	15	14	20	32	19	25	37	27	34	35	15	19	36	26	21	28	26	18	25		37			
Cedar Rapids	29	24	27	21	30	24	19	19	33	28	26	13	18	23	38	26	29	37	28	39	41	15	21	38	28	27	30	33	21	28		41			
Davenport	27	14	23	23	26	25	20	14	30	23	22	13	16	25	39	24	28	35	27	31	33	16	22	39	30	20	36	35	21	27		39			
Des Moines	27	25	24	18	27	20	19	20	31	24	22	13	20	22	35	21	24	38	23	37	40	21	19	40	22	20	33	28	25	26		40			
Dubuque	29	23	25	20	26	18	19	23	31	25	25	11	19	21	36	26	33	34	30	36	44	18	23	36	30	24	29	32	22	27		44			
Estherville	29	26	24	19	28	15	19	27	37	36	35	18	31	23	35	33	34	39	27	27	48	27	23	48	21	15	33	36	30	35		48			
Iowa City	28	27	24	14	26	21	20	22	36	22	21	14	16	20	42	21	25	36	29	35	36	15	14	38	27	22	26	29	28	29		42			
Lamoni	28	24	25	14	28	22	23	17	29	22	22	16	17	21	35	20	25	40	25	39	36	18	17	35	19	22	28	28	20	28		40</			

NOVEMBER 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW						
				TEMPERATURE (F)																PRECIPITATION (Inches)										
				NUMBER OF DAYS								HEATING DEGREE DAYS				COOLING DEGREE DAYS				NUMBER OF DAYS				SNOWFALL (Inches)						
				AVG	AVG	DEP	EXT	EXT	MAX	MAX	MIN	MIN	NOV	NOV	17-18	NORM	NOV	NOV	2017	NORM	DEP	EXT				MAX				
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY
NORTHWEST DIVISION																														
Akron																					0.13	0.07	18		2	0	0	T	0	
Cherokee	45.5	22.2	33.9	-0.8	66	25	10	22	0	2	27	0	928	911	1501	1598	0	0	750	720	0.22	-1.29	0.22	18	1	1	0	T	0	
Emmetsburg	43.4	23.8	33.6	0.6	65	25	9	23	0	3	27	0	936	960	1444	1687	0	0	778	630	0.14	-1.49	0.07	18	3	0	0	0.0	0	
Estherville Airport	43.5	21.9	32.7	0.0	65	24	6	22	0	3	28	0	962	970	1609	1719	0	0	511	591	0.30		0.11	5	5	1	0			
Estherville 4 E	41.7	21.5	31.6	-1.5	64	25	8	22	0	5	28	0	992	959	1616	1703	0	0	537	582	0.25	-1.36	0.12	4	3	2	0	T	0	
Everly 3 WNW																				0.12		0.11	5	2	1	0	0.0	0		
Hawarden	45.4	22.9	34.2	0.3	65	28	10	22	0	2	27	0	916	932	1475	1613	0	0	790	765	0.02	-1.50	0.02	18	1	0	0	0.0	0	
Le Mars	46.8	23.2	35.0	0.7	67	25	10	22	0	2	27	0	894	921	1422	1577	0	0	746	778	0.10	-1.18	0.10	18	1	1	0	0.0	0	
Orange City																				0.07		0.05	5	3	0	0	T	0		
Pocahontas	44.9	23.7	34.3	-0.3	65	25	8	22	0	2	27	0	913	914	1414	1562	0	0	810	774	0.17	-1.62	0.09	18	3	0	0	0.0	0	
Primghar	47.5	27.4	37.5	2.2	64	24	11	22	0	2	23	0	818	890	1259	1464	0	0	948	864	0.11	-1.32	0.06	5	3	0	0	0.0	0	
Remsen #2																				0.10		0.10	18	1	1	0	0.0	0		
Rock Rapids	44.6	22.1	33.4	0.6	65	25	10	23	0	3	28	0	942	967	1516	1697	0	0	697	718	0.02	-1.43	0.02	2	1	0	0	T	0	
Rock Valley																				0.05	-1.46	0.05	2	1	0	0	0.0	0		
Sanborn	43.3	22.3	32.8	0.0	63	25	10	23	0	3	30	0	959	965	1549	1690	0	0	682	651	0.12	-1.42	0.09	5	2	0	0	0.0	0	
Sheldon	44.6	20.9	32.8	1.2	64	25	7	22	0	3	28	0	960	1000	1626	1821	0	0	571	560	0.09	-1.50	0.07	5	2	0	0	0.0	0	
Sibley	42.7	21.2	32.0	-0.3	64	25	7	23	0	4	29	0	984	981	1624	1736	0	0	642	570	0.09	-1.28	0.03	2	4	0	0	0.1	0	
Sioux Center 2 SE	48.8	25.8	37.3	1.9	65	24	8	22	0	2	24	0	824	890	1293	1470	0	0	855	851	0.10	-1.44	0.06	5	3	0	0	T	0	
Sioux Rapids 4 E	46.0	25.1	35.6	1.4	65	24	8	22	0	2	26	0	876	924	1422	1601	0	0	683	668	0.24	-1.33	0.20	18	4	1	0	0.0	0	
Spencer Airport	46.3	22.1	34.2	0.9	66	24	7	22	0	3	25	0	916	952	1481	1665	0	0	713	684	0.22		0.13	3	6	1	0			
Spencer 1 N	44.9	23.1	34.0	0.9	64	24	10	22	0	3	25	0	922	956	1484	1672	0	0	718	689	0.15	-1.12	0.05	3	5	0	0	T	0	
Spirit Lake 4 W	44.5	24.6	34.6		65	24	9	22	0	3	25	0	906		1458		0		718		0.14		0.09	5	4	0	0	T	0	
Storm Lake	44.7	24.3	34.5	-0.6	63	25	9	22	0	2	26	0	908	899	1419	1539	0	0	792	737	0.11	-1.72	0.11	18	1	1	0	0.0	0	
Washta	47.1	22.8	35.0		67	25	10	23	0	1	28	0	893				0				0.13		0.13	18	1	1	0	0.0	0	
NORTH CENTRAL DIVISION																														
Algona 3 W													948		1660		0		600		0.28	-1.31	0.15	18	3	2	0	0.0	0	
Allison	43.5	24.9	34.2	-0.5	64	25	12	23	0	2	26	0	917	908	1386	1546	0	0	642	707	0.18	-1.76	0.05	18	4	0	0	0.0	0	
Britt													954		1688		0		620		0.26	-1.42	0.19	18	3	1	0	0.0	0	
Charles City	43.5	25.0	34.3	-0.7	62	24	11	10	0	3	26	0	914	900	1422	1561	0	0	600	665	0.26	-1.69	0.12	18	6	1	0	T	0	
Clarion	43.8	23.8	33.8	-1.2	65	25	9	23	0	1	26	0	928	900	1417	1543	0	0	709	757								0.0	0	
Dakota City	44.2	24.3	34.3	0.2	65	25	11	23	0	1	25	0	914	928	1413	1602	0	0	708	628	0.15	-1.52	0.11	18	2	1	0	0.0	0	
Forest City 2 NNE	41.3	22.6	32.0	-1.4	63	25	10	23	0	6	27	0	984	947	1562	1642	0	0	536	648	0.25	-1.44	0.14	18	4	1	0	0.0	0	
Hampton	44.2	24.4	34.3	-0.4	66	25	13	23	0	2	25	0	915	909	1375	1573	0	0	723	679	0.46	-1.57	0.23	18	5	2	0	0.0	0	
Kanawha																				0.16	-1.59	0.11	18	3	1	0	0.0	0		
Lake Mills																				0.19	-1.81	0.07	18	5	0	0	0.0	0		
Mason City	42.4	24.0	33.2	-0.4	64	25	12	10	0	5	26	0	946	944	1440	1685	0	0	621	578	0.39	-1.60	0.18	18	4	2	0	0.1	0	
Mason City Airport	44.2	22.7	33.5	-0.1	64	24	10	10	0	2	26	0	940	942	1503	1680	0	0	603	616	0.28	-1.60	0.10	18	7	1	0	T	0	
Nashua 2 SW																				0.37		0.21	18	6	1	0	T	0		
Northwood	39.5	22.0	30.8	-1.7	61	25	10	23	0	7	27	0	1017	975	1686	1763	0	0	411	522	0.40	-1.55	0.17	4	5	2	0	T	0	
Osage	42.3	25.0	33.7	0.1	62	25	10	10	0	5	25	0	931	941	1425	1641	0	0	713	618	0.39	-1.62	0.20	18	5	1	0	T	0	
Saint Ansgar																				0.64		0.28	4	5	2	0	0.0	0		
Swea City 4 W	42.0	20.9	31.5	-1.0	65	25	6	10	0	4	29	0	1001	974	1608	1727	0	0	533	594							0	T	0	
NORTHEAST DIVISION																														
Cascade	45.1	26.3	35.7	-0.9	70	25	16	23	0	1	23	0	871	852	1308	1522	0	0	687	676	0.87	-1.57	0.33	18	8	2	0	0.0	0	
Cresco 1 NE	41.9	21.8	31.9	-0.9	61	25	8	10	0	5	27	0	988	966	1569	1796	0	0	534	498	0.46	-1.69	0.19	18	5	2	0	T	0	
Decorah	45.5	26.7	36.1	-0.1	64	24	11	10	0	2	22	0	859	864	1284	1480	0	0	713	707	0.54	-1.57	0.15	4	5	3	0	0.0	0	

NOVEMBER 2017				MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW						
				TEMPERATURE (F)																PRECIPITATION (inches)										
				NUMBER OF DAYS								HEATING DEGREE DAYS				COOLING DEGREE DAYS				NUMBER OF DAYS				SNOWFALL (inches)						
				AVG	AVG	DEP	EXT	EXT	MAX	MAX	MIN	MIN	NOV	NOV	17-18	NORM	NOV	NOV	2017	NORM	DEP	EXT					MAX			
STATION	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	90+	32-	32-	0-	2017	NORM	SEAS	SEAS	2017	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0.01+	0.10+	1.00+	TOTAL	GND	DAY
Dubuque Lock & Dam 11	44.2	27.9	36.1	-1.9	68	25	15	11	0	1	23	0	859	809	1265	1340	0	0	766	906	0.90	-1.48	0.35	18	8	3	0	0.0	0	
Dubuque Airport	44.7	26.3	35.5	-1.2	69	24	12	10	0	2	26	0	879	851	1365	1500	0	0	577	643	0.66	-1.69	0.17	4	6	4	0	T	0	
Elkader 6 SSW	44.6	23.4	34.0	-1.3	66	25	12	23	0	1	26	0	923	893	1489	1588	0	0	520	640	0.58	-1.87	0.24	12	6	3	0	T	0	
Fayette	43.3	24.3	33.8	-0.8	65	25	12	10	0	3	26	0	928	912	1417	1630	0	0	598	589	0.48	-1.88	0.18	12	5	2	0	T	0	
Guttenberg L & D 10	45.6	28.8	37.2	-0.6	69	24	15	10	0	1	22	0	825	816	1196	1364	0	0	875	869	0.62	-1.63	0.22	12	7	2	0	0.0	0	
Ionia 2 W																				0.44	0.20	18		6	1	0	0.0	0		
Manchester #2	43.8	23.8	33.8	-1.6	68	25	12	10	0	3	26	0	927	888	1482	1604	0	0	565	608	0.80	-1.58	0.40	12	5	2	0	T	0	
New Hampton	41.6	23.1	32.4	-0.7	61	25	10	10	0	5	28	0	971	956	1532	1698	0	0	510	541	0.38	-2.02	0.17	18	5	2	0	0.0	0	
Oelwein 1 E	44.7	25.0	34.9	0.0	66	25	13	23	0	3	25	0	893	902	1333	1560	0	0	689	595	0.46	-1.85	0.33	12	7	1	0	0.0	0	
Postville	43.0	24.5	33.8		63	25	10	10	0	4	27	0	929		1451		0		570		0.31	-2.05	0.20	18	3	1	0	0.0	0	
Stanley 3 WSW	43.5	22.7	33.1		64	25	8	22	0	3	25	0	948		1521		0		538		0.76		0.31	18	7	2	0	T	0	
Strawberry Point																				0.67		0.26	18	6	2	0	T	0		
Tripoli	43.7	24.5	34.1	-0.6	65	25	12	23	0	3	26	0	920	911	1377	1599	0	0	698	651	0.51	-1.83	0.19	18	6	3	0	T	0	
Waterloo Airport	45.7	24.0	34.9	-1.4	66	24	12	22	0	1	27	0	899	860	1391	1483	0	0	720	799	0.44	-1.57	0.18	12	7	1	0	T	0	
Waukon 4 SW															925	1638		0		560							0			
WEST CENTRAL DIVISION																														
Audubon	46.9	23.8	35.4	-0.4	65	25	9	23	0	1	23	0	881	875	1369	1523	0	0	662	735	0.15	-1.59	0.12	18	2	1	0	0.0	0	
Battle Creek 3 NE	46.8	22.2	34.5		66	25	7	22	0	1	26	0	908		1452		0		757		0.16		0.16	18	1	1	0	0.0	0	
Carroll	47.6	25.2	36.4	0.8	66	25	10	23	0	1	25	0	851	884	1260	1507	0	0	935	807	0.13	-1.53	0.06	18	4	0	0	0.0	0	
Castana Exp. Farm	48.0	25.9	37.0	1.2	66	25	11	22	0	1	23	0	835	876	1302	1477	0	0	871	783	0.21	-1.29	0.21	18	1	1	0	0.0	0	
Denison	45.9	25.6	35.8	-1.5	66	25	11	23	0	1	23	0	871	830	1372	1365	0	0	802	949	0.09	-1.40	0.09	18	1	0	0	0.0	0	
Guthrie Center	48.1	25.0	36.6	-0.1	68	25	11	22	0	1	22	0	846	851	1293	1475	0	0	891	814	0.44	-1.58	0.40	18	2	1	0	0.0	0	
Holly Springs 1 NW																				0.18		0.18	18	1	1	0	0.0	0		
Holstein	46.4	25.5	36.0		65	24	10	22	0	1	25	0	864		1388		0		791		0.16	-1.47	0.16	18	1	1	0	0.0	0	
Little Sioux 2 NW	49.0	22.3	35.7		68	28	6	23	0	1	25	0	872		1365		0		904		0.27		0.14	12	3	2	0	0.1	0	
Logan	49.8	25.3	37.6	1.0	69	25	11	22	0	0	23	0	813	851	1236	1427	0	0	1004	929	0.26	-1.39	0.18	12	2	1	0	0.0	0	
Mapleton #2	47.2	23.1	35.2	0.0	66	25	8	23	0	1	25	0	892	894	1431	1534	0	0	749	794	0.07	-1.45	0.07	18	1	0	0	0.0	0	
Rockwell City	45.7	24.3	35.0	0.3	66	25	12	23	0	1	28	0	892	909	1349	1555	0	0	814	715	0.05	-1.53	0.05	18	1	0	0	0.0	0	
Sac City	45.5	23.0	34.3	0.2	65	25	9	23	0	2	26	0	915	926	1443	1626	0	0	639	659	0.15	-1.55	0.13	18	2	1	0	0.0	0	
Sioux City Airport	49.8	24.9	37.4	1.6	68	24	9	22	0	0	25	0	821	876	1319	1476	0	0	950	870	0.08	-1.23	0.06	17	2	0	0	T	0	
CENTRAL DIVISION																														
Ames Airport	48.4	26.0	37.2	0.8	68	24	11	22	0	0	25	0	829	858	1258	1454	0	0	861	752	0.31		0.24	18	3	1	0	0.0	0	
Ames 8 WSW	48.6	28.5	38.6	0.8	66	25	11	22	0	1	21	0	787	818	1151	1331	0	0	985	878	0.26	-1.78	0.19	18	3	1	0	0.0	0	
Ames 5 SE	46.1	24.5	35.3	-1.2	67	25	13	23	0	1	25	0	883	854	1335	1456	0	0	740	745	0.39	-1.89	0.30	18	3	1	0	T	0	
Ankeny	47.7	27.7	37.7	-0.4	69	25	14	22	0	1	22	0	811	807	1172	1351	0	0	1074	947	0.31	-1.71	0.26	18	3	1	0	T	0	
Boone	47.1	25.3	36.2	-0.2	68	25	12	22	0	1	25	0	857	860	1274	1471	0	0	865	742	0.32	-2.00	0.16	18	5	1	0	0.0	0	
Brooklyn																				0.68	-1.54	0.42	12	5	2	0	0.0	0		
Clutier																				0.43	-2.17	0.25	12	4	2	0	0.0	0		
Des Moines Airport	50.2	30.5	40.4	1.2	70	24	16	22	0	0	18	0	735	774	1055	1258	0	0	1306	1068	0.25	-1.94	0.20	18	4	1	0	T	0	
Des Moines Camp Dodge	49.5	28.6	39.1	0.9	69	24	14	22	0	0	24	0	773	806	1119	1321	0	0	1099	937	0.54	-1.40	0.42	18	5	1	0	0.0	0	
Eldora	44.4	24.3	34.4	-0.8	66	25	11	23	0	2	27	0	914	893	1395	1534	0	0	727	724	0.43	-1.65	0.22	12	5	1	0	T	0	
Fort Dodge 5 NNW	44.1	24.6	34.4	-0.7	65	25	12	23	0	1	25	0	912	899	1423	1539	0	0	628	755	0.20	-1.77	0.10	18	3	1	0	0.0	0	
Gilman																				0.33	-1.99	0.18	12	2	2	0	0.0	0		
Grinnell 3 SW	46.4	24.7	35.6	-1.0	68	25	12	23	0	0	24	0	874	852	1364	1524	0	0	645	670	0.44	-1.84	0.18	18	5	2	0	0.0	0	
Grundy Center	45.0	24.9	35.0	-0.6	66	25	13	22	0	2	25	0	894	882	1370	1541	0	0	682	701	0.50	-1.68	0.25	12	5	2	0	T	0	
Iowa Falls	44.6	24.8	34.7	-0.3	66	25	13	23	0	1	25	0	899	902	1370	1543	0	0	707	702	0.37	-1.76	0.20	12	4	1	0	T	0	
Marshalltown	46.3	24.8	35.6	-0.6	67	25	14	23	0	1	24	0	877	864	1333	1509	0	0	751	755	0.62	-1.54	0.30	18	8	2	0	0.0	0	

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NOVEMBER 2017		MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																				IOWA CLIMATE REVIEW					
		TEMPERATURE (F)												PRECIPITATION (Inches)													
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NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW								
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
NORTHWEST DIVISION																																			
Cherokee	8	MAX	35	48	42	44	47	39	36	41	48	27	35	42	46	43	51	39	47	55	41	50	50	30	37	57	66	51	54	62	53	48		45.5	
		MIN	15	31	30	31	34	19	24	19	20	15	15	25	20	24	34	15	16	30	18	18	26	10	11	27	25	22	25	36	16	16		22.2	
Emmetsburg	8	MAX	34	43	42	43	44	35	31	41	47	25	33	40	42	43	51	39	41	43	38	49	50	27	35	54	65	49	57	60	53	48		43.4	
		MIN	20	31	29	31	35	22	24	20	17	14	17	25	23	30	34	20	21	29	18	20	22	9	9	26	31	27	31	37	19	22		23.8	
Estherville Airport	24	MAX	43	42	39	42	40	29	39	45	30	29	40	39	42	49	47	33	45	36	48	49	38	34	51	65	47	58	59	52	45	51		43.5	
		MIN	29	32	23	32	21	19	22	17	7	9	26	20	20	39	20	18	32	19	14	24	13	6	25	34	24	23	27	22	15	25		21.9	
Estherville 4 E	7	MAX	34	42	42	39	41	32	28	37	45	23	32	40	38	42	49	35	39	44	36	48	49	27	34	51	64	47	57	59	52	45		41.7	
		MIN	17	29	24	27	32	19	21	17	14	9	17	23	23	25	34	19	20	26	15	17	22	8	9	25	30	24	27	33	17	22		21.5	
Hawarden	7	MAX	36	48	44	43	49	38	33	39	50	28	34	45	45	44	52	36	44	52	40	52	52	28	38	58	65	51	55	65	52	47		45.4	
		MIN	17	31	29	31	34	19	24	18	19	16	18	24	23	27	31	15	19	31	18	20	22	10	12	35	26	23	24	37	17	17		22.9	
Le Mars	7	MAX	37	48	45	44	48	41	35	42	50	31	36	43	47	42	51	41	49	57	42	53	52	30	38	59	67	54	57	62	55	47		46.8	
		MIN	15	29	26	30	34	19	24	18	20	15	17	24	24	27	35	15	15	30	18	20	20	10	12	31	30	29	32	36	20	20		23.2	
Pocahontas	8	MAX	34	45	43	46	45	37	35	42	48	27	34	41	44	42	51	41	40	49	40	50	54	31	36	56	65	50	59	61	53	48		44.9	
		MIN	19	30	30	30	35	21	25	19	18	15	16	25	23	28	36	17	20	31	19	20	25	8	13	30	32	23	28	38	16	22		23.7	
Primghar	16	MAX	46	46	43	44	45	32	39	47	43	26	42	44	43	50	51	35	54	53	49	48	49	35	55	64	62	54	62	61	51	51		47.5	
		MIN	29	38	31	34	27	21	27	36	18	13	25	27	32	40	32	15	31	27	16	33	18	11	24	25	28	30	35	38	28	29		27.3	
Rock Rapids	8	MAX	38	47	45	41	46	34	32	36	49	25	34	50	45	44	51	36	47	53	38	52	50	25	36	57	65	48	54	62	52	47		44.6	
		MIN	16	32	31	30	32	18	24	19	18	15	15	23	21	27	35	16	19	30	18	19	18	10	10	26	25	22	24	35	18	18		22.1	
Sanborn	8	MAX	34	45	43	41	44	35	30	39	46	25	33	41	43	42	49	34	44	53	39	49	48	29	33	54	63	48	56	62	51	46		43.3	
		MIN	15	30	29	29	31	19	22	20	18	13	14	23	23	30	32	15	15	27	16	17	18	10	10	23	26	26	32	32	26	28		22.3	
Sheldon	7	MAX	36	47	43	42	46	35	32	40	48	26	34	45	46	43	50	36	46	56	39	51	50	29	34	56	64	48	57	61	52	47		44.6	
		MIN	14	30	30	30	30	15	22	17	19	14	15	18	21	26	34	12	18	29	16	17	21	7	8	25	26	24	24	37	12	16		20.9	
Sibley	7	MAX	33	44	42	39	43	35	31	36	45	24	32	44	41	42	49	34	42	52	38	48	48	28	33	54	64	47	55	62	50	45		42.7	
		MIN	15	29	29	28	31	17	20	20	17	12	13	21	21	28	32	16	16	27	16	17	21	7	7	23	25	26	26	34	20	22		21.2	
Sioux Center 2 SE	16	MAX	48	47	43	47	47	32	41	49	49	26	44	47	47	51	51	37	54	53	52	50	49	35	59	65	58	58	61	61	50	52		48.8	
		MIN	29	35	30	35	30	17	27	16	19	12	25	23	23	40	32	13	34	30	18	27	18	8	27	36	28	24	31	41	16	31		25.8	
Sioux Rapids 4 E	22	MAX	47	44	43	44	41	33	41	47	42	29	40	45	41	50	49	32	50	40	49	51	44	35	55	65	51	58	61	54	47	52		46.0	
		MIN	29	31	30	34	23	18	27	18	16	14	29	24	23	40	23	15	30	25	18	27	17	8	26	38	31	26	33	30	20	30		25.1	
Spencer Airport	24	MAX	47	45	43	44	40	32	42	48	31	31	43	44	44	51	48	34	53	40	50	50	41	36	56	66	51	58	63	55	49	53		46.3	
		MIN	30	33	30	35	18	19	20	18	13	15	30	19	22	41	17	16	34	19	14	26	10	7	20	33	23	20	26	20	12	24		22.1	
Spencer 1 N	24	MAX	46	44	43	44	40	30	40	46	30	30	42	41	42	50	47	33	51	38	49	49	41	35	55	64	48	56	61	53	48	51		44.9	
		MIN	29	33	29	34	19	19	23	21	13	13	30	21	21	40	19	17	33	20	17	26	14	10	24	36	24	20	26	26	14	22		23.1	
Spirit Lake 4 W	24	MAX	45	42	38	43	39	30	40	46	29	29	42	44	43	50	46	34	49	37	49	48	38	34	55	65	48	60	61	53	46	52		44.5	
		MIN	29	32	28	34	19	18	23	19	12	13	29	20	27	40	20	17	34	18	16	32	13	9	25	35	28	29	38	28	23	29		24.6	
Storm Lake	8	MAX	34	46	43	44	46	42	35	40	47	27	35	41	44	42	51	41	44	52	40	48	53	30	35	55	63	50	53	60	54	47		44.7	
		MIN	18	29	30	30	35	22	25	19	19	15	14	29	25	28	33	18	15	31	18	20	27	9	13	28	30	32	33	36	24	24		24.3	

NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																																IOWA CLIMATE REVIEW			
STATION	OBS TIME		DAY OF MONTH																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG				
Washta		MAX	36	46	44	46	49	42	36	43	49	30	37	43	47	44	53	41	47	57	42	52	53	36	37	59	67	53	56	65	55	49		47.1				
		MIN	17	31	26	32	32	22	25	18	18	17	17	27	22	21	35	16	22	32	20	20	29	10	10	29	25	22	26	33	16	15		22.8				
NORTH CENTRAL DIVISION																																						
Allison	7	MAX	34	43	46	43	43	44	34	41	45	29	32	40	44	38	49	46	34	40	41	42	55	35	33	47	64	48	56	57	52	49		43.5				
		MIN	24	31	32	31	38	23	25	21	21	13	13	32	32	25	25	38	22	24	31	18	17	30	12	12	24	34	24	27	33	23	23		24.9			
Charles City	22	MAX	41	44	41	43	43	32	40	44	41	29	36	43	42	45	48	33	38	40	41	55	43	32	47	62	46	57	57	50	44	48		43.5				
		MIN	26	36	29	36	27	24	25	19	15	11	29	27	21	36	25	23	31	24	16	27	19	13	22	35	27	20	27	31	21	27		25.0				
Clarion	7	MAX	34	42	44	44	44	39	35	42	45	28	33	38	44	42	50	41	36	44	39	46	55	36	35	51	65	49	57	58	50	47		43.8				
		MIN	19	30	32	31	38	23	25	18	18	14	14	29	23	26	39	19	21	35	17	19	30	9	9	23	30	22	28	33	19	20		23.8				
Dakota City	8	MAX	34	43	43	45	44	40	35	42	48	26	33	38	44	41	51	42	37	45	39	48	54	36	35	53	65	50	57	59	52	47		44.2				
		MIN	21	30	31	30	36	21	24	20	20	14	17	26	23	26	38	18	20	32	18	19	33	12	11	35	31	25	27	34	19	18		24.3				
Forest City 2 NNE	7	MAX	32	41	41	39	42	36	30	36	45	24	31	38	40	41	49	37	33	40	36	45	54	27	32	49	63	45	59	58	50	46		41.3				
		MIN	20	29	26	28	36	22	20	20	20	12	10	23	22	26	36	20	22	33	14	14	24	10	10	27	32	23	26	27	20	25		22.6				
Hampton	7	MAX	34	43	47	45	44	43	35	44	47	28	32	39	47	40	51	43	35	42	41	44	56	34	33	51	66	50	57	58	51	47		44.2				
		MIN	22	30	30	31	38	22	25	20	21	13	14	32	22	22	39	21	23	35	18	18	34	13	13	27	34	23	27	26	20	19		24.4				
Mason City	7	MAX	32	41	44	41	43	42	32	42	45	26	31	35	44	39	49	40	34	39	40	43	55	29	33	49	64	48	58	57	51	46		42.4				
		MIN	23	29	29	29	36	24	25	21	22	12	13	30	21	22	38	22	24	33	17	17	29	14	13	24	34	23	26	29	20	21		24.0				
Mason City Airport	24	MAX	41	44	43	43	43	33	41	45	40	30	36	44	42	48	50	32	40	39	43	55	38	34	48	64	47	58	58	51	46	50		44.2				
		MIN	23	33	24	35	23	21	19	18	12	10	30	20	19	37	22	21	32	21	14	28	18	11	21	37	22	20	24	28	14	24		22.7				
Northwood	7	MAX	30	37	41	36	41	34	30	38	42	23	31	33	39	41	47	36	32	37	36	41	51	27	31	46	61	43	54	55	49	43		39.5				
		MIN	21	27	25	27	33	21	21	19	19	12	12	27	20	21	36	20	23	32	15	15	26	10	10	25	33	20	26	30	18	16		22.0				
Osage	7	MAX	33	41	45	40	43	43	32	44	44	26	31	36	44	43	49	40	35	39	40	41	54	29	31	49	62	46	57	56	51	45		42.3				
		MIN	26	30	28	29	36	24	25	25	25	10	15	29	24	26	39	25	25	35	15	16	26	12	12	23	35	24	30	35	23	23		25.0				
Swea City 4 W	7	MAX	34	40	42	39	42	33	29	39	47	26	32	39	39	41	49	36	37	42	36	46	49	27	33	51	65	48	61	59	54	46		42.0				
		MIN	17	26	25	28	32	19	17	17	16	6	12	23	23	26	35	20	21	29	13	16	23	7	8	24	29	24	25	30	17	18		20.9				
NORTHEAST DIVISION																																						
Cascade	7	MAX	37	43	49	47	44	50	41	44	46	36	31	42	38	38	45	49	40	41	43	36	57	38	33	49	70	49	55	58	57	47		45.1				
		MIN	30	33	33	34	40	25	28	20	20	16	16	31	23	23	37	28	29	33	20	21	30	16	16	26	35	21	27	28	25	24		26.3				
Cresco 1 NE	7	MAX	33	40	45	37	42	42	31	41	43	30	29	34	46	43	46	43	34	37	43	37	51	31	31	48	61	45	56	58	53	46		41.9				
		MIN	22	29	24	25	37	21	23	19	22	8	10	28	18	22	36	25	25	33	15	14	25	9	9	25	32	17	24	26	16	16		21.8				
Decorah	16	MAX	39	47	45	44	44	36	42	44	44	26	37	46	46	43	47	36	38	44	40	53	52	30	48	64	61	56	59	57	49	49		45.5				
		MIN	24	37	26	35	36	22	30	18	26	11	25	33	19	37	31	27	32	36	17	27	27	13	22	27	33	18	24	37	22	30		26.7				
Dubuque Lock & Dam 11	6	MAX	36	44	46	45	44	47	40	42	46	40	31	40	39	45	45	47	36	38	42	39	56	40	34	40	68	46	52	56	58	45		44.2				
		MIN	31	33	36	34	39	28	28	27	26	16	15	31	28	23	35	29	29	33	24	20	32	20	18	29	35	26	25	29	31	28		27.9				
Dubuque Airport	24	MAX	42	49	46	44	49	39	42	44	38	29	39	37	38	45	50	38	40	40	33	56	43	32	47	69	49	54	57	57	45	50		44.7				
		MIN	30	36	35	38	31	26	25	20	18	12	28	24	22	32	28	28	31	26	19	28	19	14	25	33	29	19	29	32	23	29		26.3				
Elkader 6 SSW	7	MAX	34	43	49	45	44	47	38	44	46	33	31	39	40	46	49	48	38	39	44	37	57	38	33	48	66	48	54	57	56	46		44.6				
		MIN	26	31	32	29	38	24	26	17	18	12	13	31	19	19	39	27	28	34	18	18	30	13	12	23	35	16	18	23	17	16		23.4				
Fayette	7	MAX	34	42	49	43	43	46	38	43	45	30	30	36	41	44	48	45	36	39	42	36	55	31	33	46	65	47	54	57	54	47		43.3				
		MIN	27	27	29	30	38	22	25	20	20	12	13	30	21	21	37	25	26	33	17	17	30	13	13	30	33	20	27	32	18	23		24.3				

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

NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																													IOWA CLIMATE REVIEW					
	OBS		DAY OF MONTH																																		
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG			
Rockwell City	7	MAX	34	46	46	45	47	40	37	42	48	27	33	41	46	42	52	44	39	50	41	49	55	36	36	56	66	53	58	62	53	48		45.7			
		MIN	19	30	31	30	30	22	24	22	21	15	14	29	23	25	36	17	20	33	19	21	31	12	12	29	31	27	27	31	23	24		24.3			
Sac City	7	MAX	34	46	46	45	46	42	35	41	47	28	32	40	47	41	52	41	41	50	42	49	54	37	37	57	65	53	55	61	53	49		45.5			
		MIN	18	29	28	30	34	21	27	19	19	14	14	26	20	24	37	17	14	32	20	20	35	10	9	31	33	22	27	29	16	16		23.0			
Sioux City Airport	24	MAX	46	49	46	52	44	40	44	52	39	33	44	49	45	53	47	47	59	41	55	54	43	39	63	68	58	56	67	56	49	56		49.8			
		MIN	31	32	28	37	23	26	24	16	20	16	33	26	22	43	18	19	38	24	17	26	14	9	25	33	25	26	32	23	15	25		24.9			
CENTRAL DIVISION																																					
Ames Airport	24	MAX	47	50	48	47	44	41	44	49	41	33	45	47	44	51	53	33	48	44	47	61	45	37	54	68	54	60	58	57	48	53		48.4			
		MIN	31	32	30	41	26	25	21	19	20	17	33	24	22	40	26	19	33	27	18	31	22	11	26	36	28	22	26	31	17	26		26.0			
Ames 8 WSW	16	MAX	44	47	47	46	46	40	41	47	46	29	42	45	44	49	51	38	48	47	46	58	54	36	53	66	66	58	57	57	57	52		48.6			
		MIN	28	38	29	38	28	23	29	20	23	15	28	33	22	40	38	18	29	34	17	31	27	11	27	39	32	28	31	41	24	34		28.5			
Ames 5 SE	6	MAX	35	46	49	48	46	43	39	42	48	29	34	44	44	42	51	48	37	46	42	46	60	39	36	53	67	52	59	58	54	47		46.1			
		MIN	23	31	29	29	40	24	26	18	18	15	16	34	23	23	41	20	18	37	19	19	34	13	13	24	32	23	25	29	19	19		24.5			
Ankeny	8	MAX	35	47	53	49	48	45	39	41	48	32	36	45	46	44	52	49	41	51	45	47	61	39	37	54	69	55	60	60	55	48		47.7			
		MIN	24	34	29	31	40	24	28	20	26	15	19	36	22	31	43	19	23	37	21	26	38	14	18	32	36	26	28	36	23	31		27.7			
Boone	8	MAX	35	47	51	47	47	46	40	44	48	32	35	42	47	44	51	49	39	49	45	47	59	37	36	54	68	54	59	57	55	48		47.1			
		MIN	21	31	29	30	38	24	27	20	22	15	17	35	24	29	39	19	20	35	18	21	34	12	13	26	28	26	30	31	22	23		25.3			
Des Moines Airport	24	MAX	49	55	51	50	49	41	43	49	41	34	46	49	43	51	53	41	52	46	48	63	47	39	54	70	58	61	61	57	50	55		50.2			
		MIN	33	34	32	42	29	27	29	22	22	18	34	31	28	43	27	21	36	30	22	36	22	16	30	44	35	32	35	41	28	35		30.5			
Des Moines Camp Dodge	24	MAX	48	52	49	48	49	41	44	49	41	33	44	50	43	51	52	38	50	45	49	63	44	38	55	69	58	60	60	58	50	55		49.5			
		MIN	32	32	31	41	27	26	26	21	20	17	30	30	28	41	24	19	32	28	20	38	18	14	29	44	32	31	34	31	28	33		28.6			
Eldora	7	MAX	34	43	47	45	44	43	37	42	47	28	32	40	45	38	49	44	35	42	42	44	58	36	33	51	66	50	59	58	53	47		44.4			
		MIN	20	29	29	30	38	24	25	21	21	14	15	32	23	24	38	20	22	34	16	16	31	12	11	24	32	24	27	31	24	22		24.3			
Fort Dodge 5 NNW	7	MAX	34	45	45	45	44	38	35	41	47	25	34	39	43	42	51	42	41	44	40	48	54	37	36	53	65	44	56	58	51	47		44.1			
		MIN	21	30	32	30	38	22	25	21	18	15	17	28	23	28	36	18	21	32	18	19	33	12	12	27	34	26	28	34	21	20		24.6			
Grinnell 3 SW	7	MAX	35	45	52	54	47	49	39	40	46	34	33	48	41	41	51	49	36	46	41	43	59	38	35	52	68	52	58	58	56	47		46.4			
		MIN	24	32	30	31	41	25	27	17	17	15	15	33	23	23	41	19	19	36	20	20	34	12	12	29	33	21	26	29	19	19		24.7			
Grundy Center	8	MAX	35	44	48	47	45	44	38	42	47	30	32	44	43	39	50	46	35	42	41	43	59	36	35	51	66	50	58	58	55	47		45.0			
		MIN	24	30	30	29	39	24	26	19	20	15	16	32	22	26	39	21	24	34	18	20	35	13	14	27	34	21	26	29	19	20		24.9			
Iowa Falls	7	MAX	34	44	47	47	44	43	38	43	47	29	33	39	46	40	50	41	35	43	41	45	57	36	35	51	66	50	58	58	52	47		44.6			
		MIN	23	31	30	32	39	23	26	20	21	14	15	33	23	23	39	21	21	35	18	19	32	13	13	24	34	23	27	29	21	22		24.8			
Marshalltown	7	MAX	35	45	51	48	47	46	38	45	47	31	33	45	44	41	51	47	36	44	43	44	61	38	35	52	67	52	59	59	56	48		46.3			
		MIN	25	31	29	29	40	24	27	18	20	16	17	33	23	27	41	19	23	35	20	20	37	14	14	26	35	21	21	26	17	16		24.8			
Marshalltown Airport	24	MAX	45	51	48	47	47	38	43	47	39	32	45	44	39	50	51	34	44	44	43	60	41	35	52	67	52	59	59	56	47	52		47.0			
		MIN	31	31	27	40	27	23	22	19	17	17	32	27	23	38	25	19	31	25	18	35	20	12	25	39	26	22	27	26	20	26		25.7			
Newton	7	MAX	35	46	52	50	47	46	40	40	47	31	32	47	42	41	51	50	34	47	43	45	61	41	37	52	68	52	59	58	56	47		46.6			
		MIN	26	32	29	29	40	24	24	23	25	15	15	32	23	25	41	20	20	34	20	20	37	15	15	30	34	24	24	28	26	26		25.9			

NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																									IOWA CLIMATE REVIEW						
	OBS		DAY OF MONTH																															
STATION	TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Perry	7	MAX	35	48	49	47	49	45	41	43	49	30	35	44	47	43	52	48	43	51	43	49	59	39	38	57	68	57	58	61	54	50		47.7
		MIN	22	31	28	28	40	24	27	19	19	17	17	35	22	29	41	17	18	36	19	19	35	13	13	30	31	25	28	31	19	19		25.1
Toledo 3 N	7	MAX	35	44	51	48	46	46	37	41	46	31	32	44	40	39	50	47	35	43	42	42	60	37	35	50	67	51	58	58	55	47		45.2
		MIN	24	30	28	28	39	23	26	18	18	14	17	32	21	25	39	20	22	34	18	18	30	14	14	26	31	22	27	31	20	20		24.3
Webster City	7	MAX	35	46	47	47	46	44	34	43	47	29	32	39	46	42	50	42	35	44	37	47	57	37	36	54	67	52	59	58	56	47		45.2
		MIN	22	27	32	32	37	22	24	17	17	15	15	30	20	24	37	19	20	32	17	19	28	11	11	23	34	20	21	27	19	19		23.0
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	MAX	37	43	50	49	45	49	41	44	47	37	32	45	39	39	46	51	39	43	43	39	59	40	35	50	71	51	58	60	58	47		46.2
		MIN	30	33	34	34	41	26	27	21	21	18	18	31	25	25	38	27	28	34	21	21	29	17	16	28	37	22	24	30	29	28		27.1
Belle Plaine	7	MAX	37	46	53	50	47	50	42	43	48	34	33	49	42	41	51	51	37	44	44	44	62	39	37	53	70	53	60	62	57	49		47.6
		MIN	26	31	30	32	42	26	27	16	18	17	18	33	19	25	41	23	25	35	19	19	31	12	13	31	34	19	25	27	17	16		24.9
Bellevue Lock & Dam 12	6	MAX	39	44	49	47	45	51	41	43	48	38	32	41	38	39	48	52	40	41	41	37	58	43	35	49	71	51	56	58	59	47		46.0
		MIN	33	35	39	38	42	30	30	22	21	16	17	30	26	27	35	31	31	34	24	22	30	19	16	29	34	22	21	28	27	30		28.0
Cedar Rapids Airport	24	MAX	44	53	49	47	50	41	42	47	40	32	47	41	39	47	51	37	44	44	40	61	46	34	52	71	52	58	61	59	47	52		47.6
		MIN	33	36	33	40	31	23	25	18	18	16	31	27	24	34	26	21	31	25	18	30	15	11	25	35	26	19	29	29	22	27		25.9
Cedar Rapids #1	17	MAX	42	51	48	46	49	40	42	48	41	31	46	41	39	43	52	34	40	43	39	61	54	35	51	71	61	57	61	58	49	53		47.5
		MIN	31	40	32	40	38	24	30	19	26	15	27	33	23	30	32	24	30	37	19	31	28	14	28	31	36	21	28	47	24	34		29.1
Clinton #1	18	MAX	41	48	48	45	49	46	41	47	40	32	40	38	39	45	52	37	41	42	37	56	50	34	47	69	60	54	62	58	48	53		46.6
		MIN	33	39	35	39	44	27	33	21	27	15	27	31	24	28	32	26	30	37	20	30	29	14	28	28	33	21	28	48	23	30		29.3
Coggon	6	MAX	35	43	48	46	44	48	39	42	45	34	30	45	39	37	47	48	36	40	42	38	59	38	33	47	68	49	56	59	56	47		44.6
		MIN	28	32	32	29	39	24	25	17	17	13	14	29	21	20	37	25	26	33	18	20	30	14	14	27	33	18	18	27	22	21		24.1
Davenport Airport	24	MAX	44	50	48	47	52	42	45	47	40	33	43	38	40	49	53	38	47	44	36	59	48	35	48	70	52	56	63	59	49	53		47.6
		MIN	34	37	31	42	33	26	25	20	18	17	30	27	23	33	30	26	32	28	21	33	20	15	29	33	26	21	30	32	20	27		27.3
Iowa City	7	MAX	38	44	52	49	47	52	41	43	47	38	33	46	41	40	49	53	38	45	44	39	61	42	35	51	72	53	57	62	59	49		47.3
		MIN	27	32	33	34	41	27	29	18	18	18	19	32	24	26	39	24	26	34	21	21	27	15	15	25	33	19	20	27	22	20		25.5
Iowa City Airport	24	MAX	45	54	51	49	54	43	44	49	42	34	48	43	41	50	55	40	47	46	41	62	48	36	53	74	55	59	63	61	50	54		49.7
		MIN	35	40	35	43	34	30	27	21	22	20	33	29	27	34	31	26	32	29	23	30	23	15	28	29	31	23	29	36	22	27		28.8
Le Claire L & D 14	6	MAX	41	44	49	47	46	50	41	43	48	41	34	43	39	41	50	53	38	46	41	38	57	45	39	47	68	54	53	62	58	48		46.8
		MIN	31	35	33	34	41	28	28	26	26	19	17	31	29	29	40	27	29	33	23	22	37	18	17	32	37	27	27	35	25	25		28.7
Lowden	24	MAX	44	51	50	46	52	42	42	50	39	32	45	39	41	47	52	41	44	43	39	61	47	36	52	73	53	58	64	60	49	53		48.2
		MIN	32	36	33	41	32	25	21	16	16	14	30	26	24	32	28	26	33	27	19	31	20	13	28	37	22	18	26	33	19	24		26.1
Maquoketa 4 W	7	MAX	38	43	50	47	44	50	40	42	46	37	31	43	38	39	46	50	38	41	40	35	58	40	34	48	70	50	56	61	59	46		45.3
		MIN	30	32	33	35	40	24	26	19	20	14	15	29	23	25	36	26	28	29	20	19	29	13	13	28	33	19	19	27	26	27		25.2
Muscatine	6	MAX	40	45	51	50	48	53	42	44	48	40	35	47	40	41	49	54	39	47	43	39	61	44	36	51	73	55	58	62	59	50		48.1
		MIN	27	35	35	35	43	28	29	20	20	19	19	32	28	28	40	24	24	34	21	21	34	16	15	28	32	23	22	28	24	24		26.9
Vinton	7	MAX	34	41	48	45	44	46	39	42	45	31	30	43	39	37	47	47	34	40	42	39	58	35	32	48	66	50	57	57	54	45		43.8
		MIN	28	30	30	30	38	24	25	17	19	14	15	30	19	20	37	22	24	32	16	18	29	12	12	22	33	18	25	30	22	21		23.7

NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW				
STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Williamsburg 1 E	7	MAX	37	44	52	50	47	50	40	41	47	35	32	47	42	42	50	52	37	44	43	41	60	40	35	51	69	53	59	59	58	48		46.8	
		MIN	23	34	28	28	40	23	26	17	17	15	17	31	24	25	40	22	24	34	19	19	32	12	12	26	29	21	27	28	21	20		24.5	
SOUTHWEST DIVISION																																			
Atlantic 1 NE	7	MAX	36	48	54	52	52	49	44	44	49	36	37	43	51	46	54	50	49	54	46	50	59	39	37	62	69	58	59	63	55	51		49.9	
		MIN	21	33	30	30	40	26	26	15	16	16	16	36	21	34	39	18	18	37	18	18	32	10	11	23	28	23	23	37	15	15		24.2	
Bedford	7	MAX	37	48	58	51	52	45	44	41	49	36	37	46	50	45	54	52	49	55	47	51	60	42	38	62	73	60	62	62	57	48		50.4	
		MIN	22	31	33	33	42	25	26	21	22	17	17	37	29	34	35	20	21	39	27	27	36	12	12	26	29	30	34	35	25	27		27.5	
Clarinda	6	MAX	38	50	59	51	54	50	46	44	50	37	39	46	51	47	55	53	48	58	48	52	62	43	39	62	73	59	63	67	58	50		51.7	
		MIN	21	32	30	29	40	25	26	19	18	18	18	39	24	31	44	19	19	39	21	23	29	12	13	30	27	26	28	28	20	17		25.5	
Corning 1 W	7	MAX	36	49	56	52	50	47	43	42	48	34	35	44	49	46	53	51	47	54	46	49	59	41	37	60	70	57	59	64	56	48		49.4	
		MIN	20	33	29	29	39	26	26	19	19	17	17	35	27	34	34	18	18	38	21	22	34	12	12	29	31	29	28	39	22	23		26.0	
Greenfield	8	MAX	34	47	53	48	49	47	39	40	47	33	35	43	48	45	52	51	44	52	45	48	57	37	38	59	68	57	59	61	53	48		47.9	
		MIN	21	32	27	28	39	23	26	21	25	14	16	35	27	35	39	19	22	35	20	26	35	12	19	32	31	33	34	42	22	26		27.2	
Oakland	7	MAX	36	49	53	49	51	47	42	41	49	34	36	41	47	44	53	50	48	54	44	50	58	38	36	61	68	56	56	63	52	49		48.5	
		MIN	21	31	28	27	41	25	25	22	23	15	15	35	30	34	39	21	20	36	22	22	32	13	12	32	34	32	34	38	26	26		27.0	
Red Oak	7	MAX	38	51	56	51	54	49	46	44	50	37	38	44	52	47	56	52	51	57	48	52	59	42	38	63	72	59	60	67	56	50		51.3	
		MIN	21	34	29	28	42	27	27	19	19	19	18	38	25	33	40	21	21	39	22	21	32	13	13	26	29	28	28	31	20	19		26.1	
Shenandoah	8	MAX	37	50	58	50	54	50	46	44	50	38	40	44	51	51	56	53	52	59	49	54	60	42	40	63	73	59	63	68	56	51		52.0	
		MIN	28	35	27	27	43	25	28	20	24	18	21	40	25	40	42	20	23	38	24	24	32	13	15	31	33	28	31	45	19	26		28.2	
Sidney 1 SSE	7	MAX	38	50	54	48	54	47	44	41	49	34	36	41	48	48	54	52	53	61	47	53	58	42	41	63	73	58	63	67	54	49		50.7	
		MIN	25	34	27	28	40	24	24	23	23	17	18	36	29	36	39	21	21	38	24	24	40	14	14	37	34	34	39	44	26	27		28.7	
SOUTH CENTRAL DIVISION																																			
Albia 3 NNE	7	MAX	36	46	52	49	53	50	42	42	48	37	35	45	42	43	51	54	40	51	45	45	61	41	39	55	71	57	53	62	58	49		48.4	
		MIN	26	34	29	29	43	25	21	21	23	16	17	35	30	29	43	21	22	38	21	22	38	15	15	33	27	29	29	33	23	24		27.0	
Allerton	8	MAX	36	46	53	51	52	49	40	42	48	36	34	48	43	45	51	54	45	53	45	45	60	42	38	57	71	58	58	62	57	47		48.9	
		MIN	22	32	29	29	41	25	24	23	21	16	16	34	24	24	43	20	21	38	20	19	33	16	14	29	33	31	32	33	27	27		26.5	
Beaconsfield	7	MAX	35	49	54	50	49	46	42	43	48	34	34	46	46	45	52	52	45	53	46	47	61	41	38	59	71	58	60	63	56	47		49.0	
		MIN	20	30	28	28	43	24	24	23	23	16	15	33	26	30	44	20	20	37	20	20	38	15	13	28	34	33	33	33	29	27		26.9	
Centerville	7	MAX	37	46	53	54	53	54	41	44	49	38	35	47	47	44	51	56	48	51	46	45	60	44	40	60	73	59	60	63	59	50		50.2	
		MIN	24	34	31	31	39	26	26	18	18	18	17	34	23	23	44	23	24	40	24	22	37	17	15	28	28	24	27	28	20	19		26.1	
Chariton 1 E	7	MAX	35	47	53	50	53	49	38	43	47	35	34	48	43	44	52	54	44	52	45	45	61	42	39	56	71	58	59	62	57	49		48.8	
		MIN	22	32	28	27	38	25	26	17	17	15	15	34	22	22	43	20	21	40	23	20	33	13	12	31	31	23	24	27	17	16		24.5	
Creston 2 SW	7	MAX	35	48	53	53	50	47	44	40	48	35	35	46	47	47	52	51	45	53	46	48	59	38	37	59	69	57	59	63	57	47		48.9	
		MIN	19	31	29	29	42	24	24	20	20	15	15	35	28	33	41	21	21	38	21	22	35	14	14	28	31	30	32	38	29	29		26.9	
Indianola 4 W	7	MAX	37	49	56	51	51	47	40	41	50	34	37	46	48	45	52	53	44	52	46	49	64	41	40	57	72	58	62	62	56	51		49.7	
		MIN	23	33	29	28	42	24	27	18	17	15	17	37	24	29	45	17	20	36	18	22	39	11	12	28	35	27	31	35	20	20		26.0	
Knoxville	8	MAX	36	46	53	50	51	46	38	40	48	33	35	49	43	43	50	53	40	50	45	45	61	40	39	54	70	56	60	60	57	48		48.0	
		MIN	25	33	29	30	41	25	27	21	27	15	17	34	27	28	43	20	21	37	22	23	37	14	21	32	35	30	34	38	27	30		28.1	

NOVEMBER 2017			DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW			
STATION	OBS TIME		DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Lamoni	7	MAX	36	47	54	51	52	48	43	43	50	38	35	47	47	46	53	55	45	54	47	49	61	43	40	62	73	59	61	66	58	48		50.4
		MIN	23	32	30	30	45	26	26	24	23	18	17	35	28	32	45	22	22	39	23	22	38	15	14	29	34	33	33	37	30	29		28.5
Lamoni Airport	24	MAX	47	54	52	52	49	44	44	48	38	34	46	48	45	51	55	45	54	53	47	61	47	38	61	73	60	60	64	58	47	55		51.0
		MIN	30	36	30	43	29	26	28	23	22	17	34	32	27	45	28	21	39	29	21	35	20	15	28	39	32	35	39	36	28	34		30.0
Mount Ayr	8	MAX	35	47	53	50	50	49	41	41	47	34	38	46	46	47	52	52	47	56	47	47	59	40	40	60	71	57	59	64	55	47		49.2
		MIN	28	35	28	33	44	24	26	17	27	16	23	38	24	36	40	18	17	37	20	20	36	11	11	27	29	26	30	30	29	30		27.0
Osceola	8	MAX	36	49	54	54	51	48	39	42	49	34	35	48	46	46	52	53	46	54	46	48	61	41	40	58	71	58	59	63	57	49		49.6
		MIN	22	33	28	28	41	25	26	17	17	15	16	35	23	23	44	21	20	38	20	22	36	12	13	34	32	26	27	31	17	17		25.3
Rathbun Dam	7	MAX	36	45	52	51	53	52	39	43	49	37	35	46	44	43	51	55	45	51	45	45	61	43	39	57	72	58	59	63	57	49		49.2
		MIN	24	33	31	31	44	26	26	21	20	16	17	35	24	24	43	24	24	41	25	25	39	18	17	30	32	26	30	32	26	24		27.6
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	46	51	52	53	52	43	46	48	42	35	46	42	48	50	56	36	53	53	39	59	47	36	51	73	57	56	62	62	47	54		49.8
		MIN	35	40	34	42	34	28	28	23	22	20	32	33	28	37	30	25	31	30	23	33	24	18	30	34	30	26	35	39	25	29		29.9
Donnellson	7	MAX	38	46	49	49	54	50	41	43	48	40	34	46	41	47	50	56	42	53	43	41	61	45	40	52	73	57	59	65	61	46		49.0
		MIN	30	34	31	32	43	26	27	24	24	17	19	33	30	32	42	23	23	34	23	22	38	18	16	29	38	30	29	38	26	26		28.6
Fairfield	8	MAX	40	46	52	50	52	53	40	44	48	38	35	46	42	46	51	55	37	50	44	44	60	40	37	51	70	54	58	61	59	46		48.3
		MIN	30	36	32	33	42	28	30	23	30	19	21	35	27	32	44	23	27	37	23	25	40	17	21	32	36	27	31	38	24	26		29.6
Fort Madison	24	MAX	45	50	50	56	52	42	45	47	45	35	46	43	46	49	56	37	51	51	39	55	45	37	48	64	56	53	60	61	44	53		48.7
		MIN	36	43	34	44	35	29	30	25	20	20	32	37	29	38	31	25	30	31	24	37	25	19	31	35	35	28	32	37	30	30		31.1
Keokuk Lock & Dam 19	6	MAX	41	48	51	52	58	52	43	45	47	43	35	50	43	48	51	57	42	57	45	41	60	46	38	53	73	58	58	64	62	44		50.2
		MIN	30	36	38	37	47	31	32	30	29	22	22	34	36	36	44	26	26	36	27	26	39	21	20	33	38	32	32	38	32	32		32.1
Keosauqua	7	MAX	39	48	52	51	55	52	41	44	48	40	34	46	43	49	51	55	41	51	44	43	60	43	40	53	72	57	59	63	61	46		49.4
		MIN	27	35	27	31	38	27	29	22	21	18	19	34	26	29	44	23	24	38	23	24	39	16	17	31	33	24	25	32	23	24		27.4
Mount Pleasant 1 SSW	7	MAX	43	45	51	51	50	52	41	44	49	40	37	45	41	47	49	55	36	49	43	39	60	43	36	53	72	55	58	61	60	47		48.4
		MIN	28	34	30	31	42	28	28	21	21	18	18	30	24	24	40	22	22	34	21	21	34	15	15	28	35	23	23	31	21	21		26.1
Oskaloosa	7	MAX	37	46	53	52	51	51	40	43	48	34	36	48	42	43	51	52	38	48	45	44	60	41	38	52	72	55	61	61	58	48		48.3
		MIN	23	32	26	28	42	24	27	20	20	16	16	34	22	22	42	19	19	37	21	21	40	13	14	30	31	24	27	34	25	23		25.7
Ottumwa Airport	24	MAX	47	53	51	53	55	40	45	49	42	34	46	43	46	50	55	38	49	49	45	61	50	39	54	72	56	61	61	61	49	53		50.2
		MIN	34	35	29	43	27	23	23	19	19	18	34	29	27	41	28	20	33	29	22	33	20	14	30	40	30	24	32	28	18	30		27.7
Washington	7	MAX	39	44	51	49	49	54	41	44	48	40	35	46	40	42	49	55	35	47	43	41	60	41	36	52	71	56	58	61	59	47		47.8
		MIN	27	34	28	28	42	25	27	18	19	18	18	32	24	24	41	21	21	34	20	20	34	14	14	29	34	21	22	27	18	18		25.1
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	46	51	51	49	53	42	45	49	41	35	45	40	43	50	56	39	52	50	38	59	48	37	50	72	55	58	65	60	49	54		49.4
		MIN	35	42	36	43	37	31	27	22	23	20	31	32	25	31	32	28	32	30	23	34	24	18	30	36	30	22	27	34	24	25		29.5
Omaha Eppley AP	24	MAX	50	55	50	54	48	46	46	52	40	36	46	50	45	56	53	49	61	49	55	59	43	41	62	72	60	57	67	56	52	57		52.2
		MIN	32	32	28	43	30	25	26	23	23	19	36	30	28	45	27	24	41	29	23	32	18	15	28	37	29	33	37	29	22	29		29.1
Sioux Falls WFO AP	24	MAX	49	46	40	50	42	32	35	49	28	32	50	47	50	54	44	42	51	38	52	51	40	40	59	66	53	58	67	53	49	52		47.3
		MIN	32	33	30	35	17	20	26	20	17	17	28	21	33	44	17	14	36	23	20	24	12	11	25	36	24	22	29	22	16	28		24.4

NOVEMBER 2017		"DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)"																												IOWA CLIMATE REVIEW				
STATION	OBS TIME	TOTAL	DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHWEST DIVISION																																		
Akron	7	0.13	T				0.06									T				0.07														
Cherokee	8	0.22	T				T									T	T			0.22														
Emmetsburg	8	0.14		T			0.06	0.01								I				0.07														
Estherville Airport	24	0.30	T	0.01	0.08	0.08	0.11					T							0.02								T							
Estherville 4 E	7	0.25		T			0.12	0.11												0.02														
Everly 3 WNW	7	0.12		0.01			T	0.11								T	T																	
Hawarden	7	0.02		T																0.02														
Le Mars	7	0.10																		0.10														
Orange City	7	0.07		0.01		T		0.05								T				0.01									T					
Pocahontas	8	0.17					0.07									0.01					0.09													
Primghar	16	0.11		0.01				0.06													0.04													
Remsen #2	7	0.10																		0.10														
Rock Rapids	8	0.02		0.02						T							T												T					
Rock Valley	7	0.05		0.05				T									T																	
Sanborn	8	0.12		0.03			T	0.09									T																	
Sheldon	7	0.09		0.02				0.07									T																	
Sibley	7	0.09		0.03						0.02							0.02				0.02													
Sioux Center 2 SE	16	0.10		0.01				0.06		T							T				0.03													
Sioux Rapids 4 E	22	0.24					0.02	0.01									T	0.01			T	T	0.20											
Spencer Airport	24	0.22		0.01	0.13	0.04	0.02					T				0.01				0.01								T						
Spencer 1 N	24	0.15	T	0.02	0.05	0.03	0.03		T			T				T	T		T	0.02								T						
Spirit Lake 4 W	24	0.14		0.02			0.09		T	T		T				0.01	T		T	0.02								T						
Storm Lake	8	0.11															T																	
Washta	7	0.13																		0.13														
NORTH CENTRAL DIVISION																																		
Algona 3 W	7	0.28				0.11	T										T	0.02		0.15														
Allison	7	0.18				0.05									0.05			0.03		0.05														
Britt	7	0.26		T		0.05											T	0.02		0.19														
Charles City	7	0.26		0.01	T	0.03	0.02		T	T					0.04		T	0.04	T	0.12								T						
Clarion	7	M				M	M								M		T	M		M														
Dakota City	8	0.15				0.04	T										T	T	T	0.11														
Forest City 2 NNE	7	0.25		T		0.05	0.02											T	0.04		0.14													
Hampton	7	0.46				0.05										0.14		0.01	0.03	0.23														
Kanawha	8	0.16				0.03													0.02	0.11														
Lake Mills	7	0.19		0.01		T	0.05											0.01	0.05	0.07														
Mason City	7	0.39		T		0.17	0.02		T							T		T	0.02	0.18														
Mason City Airport	24	0.28	T	T	0.01	0.08	T				T					T	0.03	0.01	0.04	0.10							0.01							
Nashua 2 SW	7	0.37		0.01		0.05	0.04								0.03			0.03		0.21									T					
Northwood	7	0.40		0.02		0.17	0.06					T						0.03		T	0.12													
Osage	7	0.39		0.03		0.09	0.02							T	T		T	0.05		0.20									T					
Saint Ansgar	6	0.64		0.04		0.28	0.08								T		T	0.06		0.18									T					
Swea City 4 W	7	M		0.02	T	0.04	0.06			T								M		M														
NORTHEAST DIVISION																																		
Cascade	7	0.87		0.04		0.09	0.03		T						0.30	0.03		0.04	T	0.33	0.01													
Cresco 1 NE	7	0.46		0.08		0.10	0.04					T					T	0.05	T	0.19									T					
Decorah	16	0.54	0.08			0.15	0.05							T			T	T		0.12	0.14													
Dubuque Lock & Dam 11	6	0.90		0.07		0.13	0.02								0.18	0.05		0.02		0.35	0.08													
Dubuque Airport	24	0.66	0.04			0.17						T				0.11		0.03		0.16	0.15									T				
Elkader 6 SSW	7	0.58		0.05		0.10	0.02		T						0.24			0.02	T	0.15														
Fayette	7	0.48		0.04		0.07	T								0.18			0.03	T	0.16														
Guttenberg L & D 10	6	0.62		0.03		0.09	0.05								0.22			0.08		0.10	0.05													
Ionia 2 W	7	0.44		T		0.04	0.04								0.06		0.01	0.09		0.20		T												
Manchester #2	7	0.80		T		0.07	0.03		T						0.40			0.03		0.27														
New Hampton	8	0.38		0.01		0.11	0.04								T		T	0.05		0.17														
Oelwein 1 E	7	0.46		0.02	T	0.01	0.03								0.33	T	0.01	0.03	T	0.03									T					
Postville	7	0.31		T	T	0.07	T		T						T		T	0.04		0.20														
Stanley 3 WSW	7	0.76		0.04		0.04	0.02		0.01						0.28			0.06	I	0.31														
Strawberry Point	7	0.67		0.03		0.08	0.03								0.22	T	T	0.05		0.26														

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STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	DAY OF MONTH				15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																											
Tripoli	7	0.51		0.01		0.11	0.05		T					0.11		T	0.04	T		0.19										T																																		
Waterloo Airport	24	0.44	T		0.02	0.01							0.09	0.18			0.01		0.08	0.05																																												
Waukon 4 SW	7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		0.05										M																																		
WEST CENTRAL DIVISION																																																																
Audubon	8	0.15												T	T	T	0.03			0.12			T																																									
Battle Creek 3 NE	8	0.16				T								T		T				0.16																																												
Carroll	7	0.13												0.04		0.01	0.02			0.06																																												
Castana Exp. Farm	8	0.21																		0.21																																												
Denison	7	0.09															T			0.09																																												
Guthrie Center	8	0.44												0.04		T	T			0.40			T																																									
Holly Springs 1 NW	7	0.18														T				0.18																																												
Holstein	7	0.16														T				0.16																																												
Little Sioux 2 NW	7	0.27	T				T							0.14			T			0.11			0.02																																									
Logan	8	0.26												0.18						0.08																																												
Mapleton #2	7	0.07														T				0.07																																												
Rockwell City	7	0.05												T			T			0.05																																												
Sac City	7	0.15				0.02														0.13																																												
Sioux City Airport	24	0.08			T														0.06	0.02			T					T																																				
CENTRAL DIVISION																																																																
Ames Airport	24	0.31	T			T								T	0.06		0.01		T	0.24			T																																									
Ames 8 WSW	16	0.26					T							0.04			0.03			0.19																																												
Ames 5 SE	6	0.39		T			T	T						0.04		T	0.05			0.30	T		T	T																																								
Ankeny	8	0.31							T					0.04			0.01			0.26			T																																									
Boone	8	0.32		T		0.02	T							0.08		0.01	0.05		T	0.16			T																																									
Brooklyn	7	0.68				0.01	0.01							0.42			0.06			0.18																																												
Clutier	7	0.43		T	T	0.01	T							0.25	T		0.01			0.16	T																																											
Des Moines Airport	24	0.25	T			T	T							0.01		0.03	T		T	0.20			0.01																																									
Des Moines Camp Dodge	24	0.54	T		0.01	T								0.07		0.02	0.02		T	0.42			T																																									
Eldora	7	0.43		I		0.06	T							0.22		0.02	0.04			0.09																																												
Fort Dodge 5 NNW	7	0.20		T		0.05									T		0.05			0.10										T																																		
Gilman	7	0.33												0.18			T			0.15	T		T																																									
Grinnell 3 SW	7	0.44				0.02								0.16	0.02		0.06			0.18	T		T																																									
Grundy Center	8	0.50		T		0.05	0.02							0.25		T	0.02			0.16																																												
Iowa Falls	7	0.37		T		0.06	T							0.20		T	0.04		T	0.07																																												
Marshalltown	7	0.62		0.02		0.01	0.01							0.22	0.02		0.02			0.30	0.02																																											
Marshalltown Airport	24	0.57	T		0.01	T							0.03	0.24			T		0.01	0.28																																												
Montezuma 1 W	7	0.62		0.06			T							0.31			0.03			0.22	T		T																																									
Newton	7	0.33					T	T						0.13	0.03		0.05			0.12																																												
Perry	7	0.32												0.04		T	0.05			0.23																																												
Toledo 3 N	7	0.49		T		0.04	T							0.25	T		0.03			0.17																																												
Webster City	7	0.34		T		0.07							T	0.15		T	0.05			0.07																																												
Zearing	7	0.35				0.03								0.18			I			0.14																																												
EAST CENTRAL DIVISION																																																																
Anamosa 3 SSW	6	0.79		T		0.08	0.03	T						0.31	0.11	T	0.01			0.21	0.04																																											
Belle Plaine	7	0.57		T										0.40			T			0.15	0.02																																											
Bellevue Lock & Dam 12	6	0.83		0.06		0.10	0.06	I						0.10	0.16		0.01			0.18	0.16																																											
Cedar Rapids Airport	24	0.59	T		0.01	0.03								T	0.36		T	0.02		0.04	0.13			T																																								
Cedar Rapids #1	17	0.73	T	0.02		0.09	T							0.38		T	0.03		0.03	0.18																																												
Clinton #1	18	0.92	0.05	0.03		0.22	0.02							0.20			0.19		0.03	0.16			0.02							T																																		
Coggon	6	0.81		0.02		0.10	0.05							0.31			0.06	T		0.27																																												
Davenport Airport	24	0.80	0.01			0.11								0.27		T	0.11		0.01	0.28			0.01																																									
De Witt	8	0.96		0.02		0.03	0.01							0.11	0.12		0.28			0.22	0.17																																											
Iowa City	7	0.94		I		0.04	I							0.38	0.25		0.03			0.18	0.06																																											
Iowa City Airport	24	0.83	T		T	0.06								T	0.52		0.02		0.06	0.17			T																																									
Le Claire L & D 14	6	1.09		0.05		0.10	0.04	0.01						0.08	0.17		0.18	0.03		0.13	0.30						I																																					
Lowden	24	0.71	0.02	T		0.10	T							0.30		T	0.01		0.08	0.20																																												
Maquoketa 4 W	7	0.68		0.02		0.05	0.03	T						0.12	0.13		0.02			0.18	0.13																																											
Monticello	7	0.97		T		0.15	0.02							0.36	0.11		0.01			0.30	0.02																																											

NOVEMBER 2017			DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																												IOWA CLIMATE REVIEW				
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Muscatine	6	1.03		0.03			0.03							0.32	0.30		0.11			0.09	0.12			0.03											
Muscatine 2 N	7	1.08		0.02		0.02	0.04							0.21	0.29		0.22	0.01		0.15	0.10			0.02											
Swisher	7	0.80		0.02		T	0.12	0.02	I					0.38	0.01		0.03			0.12	0.10		I												
Vinton	7	0.51			I		0.02							0.28			0.04			0.17															
Williamsburg 1 E	7	0.70						0.05						0.30			0.11			0.24	T														
SOUTHWEST DIVISION																																			
Atlantic 1 NE	7	0.33												0.06		T	0.02			0.25			T												
Bedford	7	0.39			T		0.02							0.07		T	T	0.12		0.18															
Clarinda	6	0.29		T										0.04			0.06			0.19															
Corning 1 W	7	0.49												0.05	0.02		0.04			0.38															
Glenwood	7	0.37		I										0.05			0.04			0.28															
Greenfield	8	0.34												0.04	T	T	T			0.30			T												
Hastings 4 NE	8	0.35												0.08			0.02			0.25															
Massena	7	0.43												0.07					0.01	0.34			0.01												
Oakland	7	0.32												0.13			0.03			0.16			T												
Randolph	8	0.48		T										0.08			0.04			0.36															
Red Oak	7	0.46												0.08	T		0.06			0.32	T		T												
Shenandoah	8	0.33												0.07						0.26															
Sidney 1 SSE	7	0.41		T										0.21		T	T			0.20															
Underwood	7	0.52												0.26		T	T			0.26			T												
SOUTH CENTRAL DIVISION																																			
Albia 3 NNE	7	0.40												0.30						0.10			T												
Allerton	8	0.28				T	T							0.07		T	0.07			0.03	0.11			T											
Beaconsfield	7	0.24												0.11			0.05			0.08															
Centerville	7	0.72				0.02		0.01						0.22			0.13			0.09	0.25														
Chariton 1 E	7	0.39												0.20		T	T			0.18	0.01														
Creston 2 SW	7	0.32												0.02		I	I	0.03		0.27															
Indianola 4 W	7	0.37												0.02						0.35	T														
Knoxville	8	0.49		T										0.20		I		T		T	0.29		T												
Lamoni	7	0.41					0.01							0.04			0.13			0.18	0.05														
Lamoni Airport	24	0.33			T								0.02	0.02		0.04	0.06		0.02	0.17			T												
Lorimor	8	0.40																		0.40															
Mount Ayr	8	0.33		T			0.01							0.10	T	T	0.08			0.14															
Osceola	8	0.33												0.08			0.03			0.21	0.01		T												
Pella 1 S	7	0.51												0.20			0.01			0.30															
Rathbun Dam	7	0.43			0.02		T		0.01					0.22			0.04			0.02	0.12														
Winterset 1 S	7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
SOUTHEAST DIVISION																																			
Bloomfield 1 WNW	7	0.69				T		T						0.24	0.02		0.05			0.03	0.35														
Brighton	7	0.83												0.57	0.09		0.05		T	0.06	0.06														
Burlington Airport	24	0.98		T			0.10	0.02					0.02	0.20			0.12		0.02	0.50			T												
Donnellson	7	0.83			T		0.04	T	0.04					0.13	0.03		0.10			T	0.12	0.37													
Fairfield	8	0.79					T							0.45	0.02		0.10			T	0.12	0.10			T										
Fort Madison	24	1.28	0.01	0.01	0.01	0.04	0.06						0.03	0.12			0.26		0.06	0.68															
Keokuk Lock & Dam 19	6	1.13			0.05	0.02	0.02		0.04					0.03	0.05		0.06	0.03		0.10	0.73														
Keosauqua	7	1.03					T							0.28	0.04		0.27			0.06	0.35														
Mount Pleasant 1 SSW	7	1.07				0.04	0.07	0.05						0.37	0.13		0.10			0.02	0.35														
Oskaloosa	7	0.55		0.02		T								0.29	0.03	T	0.02			0.17	0.02														
Ottumwa Airport	24	0.67				T	T	T					0.09	0.29		0.01	0.11		T	0.17			T												
Ottumwa 5 W	7	0.63			T		0.01	T						0.32	0.05		0.07			0.04	0.13			0.01											
Salem 1 S	7	0.90				0.01		T						0.29	0.06		0.16			0.03	0.35														
Sigourney	8	0.62			I		I							0.46	0.02		I		I	0.12	0.02		I												
Washington	7	0.76			T		T							0.45	0.13		0.05		T	0.07	0.06			T											
SUPPLEMENTAL STATIONS																																			
Moline Airport	24	0.97	0.02				0.10	0.05						T	0.31			0.18		0.02	0.27			0.02											
Omaha Eppeley AP	24	0.36		T		T								0.01	0.12		T			0.01	0.22			T											
Sioux Falls WFO AP	24	0.03			T	T	T	T	0.01	0.02	T		T			T			T				T				T								

NOVEMBER 2017			DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																												IOWA CLIMATE REVIEW			
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHWEST DIVISION																																		
Akron	7	SNOWFALL SNOW ON GROUND	T																															
Cherokee	8	SNOWFALL SNOW ON GROUND	T																															
Estherville 4 E	7	SNOWFALL SNOW ON GROUND		T																														
Orange City	7	SNOWFALL SNOW ON GROUND			T																													
Rock Rapids	8	SNOWFALL SNOW ON GROUND							T																									
Sibley	7	SNOWFALL SNOW ON GROUND							0.1																									
Sioux Center 2 SE	16	SNOWFALL SNOW ON GROUND						T																										
Spencer 1 N	24	SNOWFALL SNOW ON GROUND	T								T								T	T														
Spirit Lake 4 W	24	SNOWFALL SNOW ON GROUND						T	T		T								T	T														
NORTH CENTRAL DIVISION																																		
Charles City	7	SNOWFALL SNOW ON GROUND		T																														
Mason City	7	SNOWFALL SNOW ON GROUND		0.1																														
Mason City Airport	24	SNOWFALL SNOW ON GROUND	T								T									T														
Nashua 2 SW	7	SNOWFALL SNOW ON GROUND		T																														
Northwood	7	SNOWFALL SNOW ON GROUND										T								T	T													
Osage	7	SNOWFALL SNOW ON GROUND		T																														
Swea City 4 W	7	SNOWFALL SNOW ON GROUND							T																									
NORTHEAST DIVISION																																		
Cresco 1 NE	7	SNOWFALL SNOW ON GROUND		T								T																						
Dubuque Airport	24	SNOWFALL SNOW ON GROUND									T																							

NOVEMBER 2017				DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)														IOWA CLIMATE REVIEW																			
STATION	OBS TIME		TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
		DAY OF MONTH																																			
Elkader 6 SSW	7	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Fayette	7	SNOWFALL	T		T										T																						
		SNOW ON GROUND																																			
Manchester #2	7	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Stanley 3 WSW	7	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Strawberry Point	7	SNOWFALL	T		T										T																						
		SNOW ON GROUND																																			
Tripoli	7	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Waterloo Airport	24	SNOWFALL	T	T																T																	
		SNOW ON GROUND																																			
Waukon 4 SW	7	SNOWFALL	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M																			
		SNOW ON GROUND		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M																			
WEST CENTRAL DIVISION																																					
Little Sioux 2 NW	7	SNOWFALL	0.1	0.1																																	
		SNOW ON GROUND																																			
Sioux City Airport	24	SNOWFALL	T																					T													
		SNOW ON GROUND																																			
CENTRAL DIVISION																																					
Ames 5 SE	6	SNOWFALL	T		T																					T											
		SNOW ON GROUND																																			
Ankeny	8	SNOWFALL	T							T																											
		SNOW ON GROUND																																			
Des Moines Airport	24	SNOWFALL	T																					T													
		SNOW ON GROUND																																			
Eldora	7	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Grundy Center	8	SNOWFALL	T		T																																
		SNOW ON GROUND																																			
Iowa Falls	7	SNOWFALL	T		T																T																
		SNOW ON GROUND																																			
EAST CENTRAL DIVISION																																					
Anamosa 3 SSW	6	SNOWFALL	T												T																						
		SNOW ON GROUND																																			
Cedar Rapids #1	17	SNOWFALL	T												T																						
		SNOW ON GROUND																																			

NOVEMBER 2017			DAILY NEW SNOWFALL FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) AND TOTAL DEPTH OF SNOW ON GROUND (INCHES)																										IOWA CLIMATE REVIEW				
STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Clinton #1	18	SNOWFALL T SNOW ON GROUND												T																			
Davenport Airport	24	SNOWFALL 0.1 SNOW ON GROUND												0.1									T										
Le Claire L & D 14	6	SNOWFALL M SNOW ON GROUND													M																		
Lowden	24	SNOWFALL 0.3 SNOW ON GROUND												0.3																			
Maquoketa 4 W	7	SNOWFALL 0.3 SNOW ON GROUND												0.3																			
Muscatine 2 N	7	SNOWFALL T SNOW ON GROUND													T									T									
SOUTHWEST DIVISION																																	
Clarinda	6	SNOWFALL T SNOW ON GROUND	T																														
Glenwood	7	SNOWFALL T SNOW ON GROUND	T																														
Randolph	8	SNOWFALL T SNOW ON GROUND	T																														
Sidney 1 SSE	7	SNOWFALL T SNOW ON GROUND	T																														
SOUTH CENTRAL DIVISION																																	
Mount Ayr	8	SNOWFALL T SNOW ON GROUND	T																														
SUPPLEMENTAL STATIONS																																	
Moline Airport	24	SNOWFALL T SNOW ON GROUND												T																			
Sioux Falls WFO AP	24	SNOWFALL 0.2 SNOW ON GROUND			T			0.2	T		T												T										

NOVEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW					NOVEMBER 2017		STATION INDEX			IOWA CLIMATE REVIEW				
		COORDINATES						ELEV				COORDINATES						ELEV	
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)	STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC					DEG	MIN	SEC	DEG	MIN	SEC	
Akron	NW	Plymouth	42	49	37	96	33	21	1125	Decorah	NE	Winneshiek	43	18	15	91	47	43	860
Albia 3 NNE	SC	Monroe	41	3	56	92	47	12	890	Denison	WC	Crawford	42	2	11	95	19	44	1401
Algona 3 W	NC	Kossuth	43	4	6	94	18	19	1230	Des Moines Airport	C	Polk	41	32	2	93	39	11	957
Allerton	SC	Wayne	40	42	15	93	22	11	1110	Des Moines Camp Dodge	C	Polk	41	44	12	93	43	25	959
Allison	NC	Butler	42	45	13	92	48	8	1048	De Witt	EC	Clinton	41	48	39	90	32	26	685
Ames Airport	C	Story	41	59	26	93	37	8	955	Donnellson	SE	Lee	40	38	45	91	33	50	705
Ames 8 WSW	C	Boone	42	1	15	93	46	27	1099	Dubuque L & D 11	NE	Dubuque	42	32	24	90	38	46	620
Ames 5 SE	C	Story	41	57	7	93	33	56	870	Dubuque Airport	NE	Dubuque	42	23	52	90	42	13	1056
Anamosa 3 SSW	EC	Jones	42	5	35	91	18	7	906	Eldora	C	Hardin	42	21	55	93	5	50	1144
Ankeny	C	Polk	41	43	6	93	34	27	940	Elkader 6 SSW	NE	Clayton	42	46	31	91	27	13	788
Atlantic 1 NE	SW	Cass	41	25	3	95	0	14	1148	Emmetsburg	NW	Palo Alto	43	6	9	94	41	0	1260
Audubon	WC	Audubon	41	42	25	94	55	20	1280	Estherville Airport	NW	Emmet	43	24	4	94	44	50	1317
Battle Creek 3 NE	WC	Ida	42	22	12	95	34	30	1380	Estherville 4 E	NW	Emmet	43	24	13	94	44	50	1320
Beaconsfield	SC	Ringgold	40	48	25	94	2	51	1215	Everly 3 WNW	NW	Clay	43	11	0	95	22	59	1365
Bedford	SW	Taylor	40	40	27	94	43	28	1190	Fairfield	SE	Jefferson	41	1	16	91	57	19	746
Belle Plaine	EC	Benton	41	52	53	92	16	35	810	Fayette	NE	Fayette	42	51	1	91	48	57	1130
Bellevue L & D 12	EC	Jackson	42	15	40	90	25	23	603	Forest City 2 NNE	NC	Winnebago	43	17	4	93	37	50	1276
Bloomfield 1 WNW	SE	Davis	40	45	35	92	26	22	812	Fort Dodge 5 NNW	C	Webster	42	35	1	94	12	2	1140
Boone	C	Boone	42	2	30	93	53	26	1035	Fort Madison	SE	Lee	40	37	16	91	19	34	530
Brighton	SE	Washington	41	10	33	91	49	6	609	Gilman	C	Marshall	41	52	41	92	46	43	1040
Britt	NC	Hancock	43	6	6	93	48	5	1240	Glenwood	SW	Mills	41	3	6	95	44	57	1060
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910	Greenfield	SW	Adair	41	17	53	94	27	22	1330
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692	Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912
Carroll	WC	Carroll	42	3	54	94	51	0	1227	Grundy Center	C	Grundy	42	21	53	92	45	34	1045
Cascade	NE	Dubuque	42	17	56	90	59	54	870	Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450	Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868	Hampton	NC	Franklin	42	45	22	93	12	4	1230
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810	Harlan 1 ESE	WC	Shelby							
Centerville	SC	Appanoose	40	44	11	92	52	9	980	Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940	Hawarden	NW	Sioux	43	0	11	96	29	6	1190
Charles City	NC	Floyd	43	3	37	92	40	18	993	Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180	Holstein	WC	Ida	42	29	23	95	32	56	1370
Clarinda	SW	Page	40	43	28	95	1	19	980	Indianola 4 W	SC	Warren	41	21	56	93	38	53	942
Clarion	NC	Wright	42	43	12	93	44	1	1156	Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019
Clinton #1	EC	Clinton	41	47	41	90	15	50	594	Iowa City	EC	Johnson	41	36	33	91	30	18	640
Clutier	C	Tama	42	4	48	92	24	18	900	Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668
Coggon	EC	Linn	42	16	45	91	31	30	903	Iowa Falls	C	Hardin	42	31	8	93	15	13	1051
Corning 1 W	SW	Adams	40	59	18	94	45	32	1190	Jefferson 2 NW	WC	Greene							
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255	Kanawha	NC	Hancock	42	55	52	93	47	36	1185
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320	Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110	Keosauqua	SE	Van Buren	40	43	39	91	58	6	592
Davenport Airport	EC	Scott	41	36	42	90	34	54	748	Knoxville	SC	Marion	41	19	29	93	6	3	915

NOVEMBER 2017	STATION INDEX			IOWA CLIMATE REVIEW						NOVEMBER 2017	STATION INDEX			IOWA CLIMATE REVIEW					
STATION NAME	DIV	COUNTY	COORDINATES			ELEV			STATION NAME	DIV	COUNTY	COORDINATES			ELEV				
			LATITUDE	LONGITUDE	(FT)	LATITUDE	LONGITUDE	(FT)				LATITUDE	LONGITUDE	(FT)	LATITUDE	LONGITUDE	(FT)		
			DEG	MIN	SEC	DEG	MIN	SEC				DEG	MIN	SEC	DEG	MIN	SEC		
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260	Primghar	NW	O' Brien	43	5	11	95	37	45	1520
Lamoni	SC	Decatur	40	37	24	93	57	3	1128	Randolph	SW	Fremont	40	52	28	95	34	0	980
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135	Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	965
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577	Red Oak	SW	Montgomery	41	0	13	95	14	31	1040
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320	Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025	Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347
Logan	WC	Harrison	41	38	17	95	47	18	1030	Rock Valley	NW	Sioux	43	12	16	96	18	22	1246
Lorimor	SC	Union	41	7	29	94	3	5	1230	Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224
Lowden	EC	Cedar	41	51	23	90	55	48	715	Sac City	WC	Sac	42	25	10	94	58	34	1210
Manchester #2	NE	Delaware	42	28	24	91	27	6	990	Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200	Salem 1 S	SE	Henry	40	50	8	91	37	20	650
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782	Sanborn	NW	O' Brien	43	10	45	95	39	37	1551
Marshalltown	C	Marshall	42	3	53	92	55	28	871	Sheldon	NW	O' Brien	43	10	51	95	51	10	1420
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974	Shenandoah	SW	Page	40	46	2	95	22	48	975
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105	Sibley	NW	Osceola	43	24	17	95	44	54	1529
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225	Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140
Massena	SW	Cass	41	15	19	94	45	54	1325	Sigourney	SE	Keokuk	41	20	11	92	12	16	800
Moline Airport		Rock Island,IL	41	27	55	90	31	24	592	Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965	Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095
Monticello	EC	Jones	42	14	28	91	10	24	820	Sioux Falls		Minnehaha,SD	43	34	40	96	45	14	1428
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180	Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730	Spener Airport	NW	Clay	43	9	52	95	12	6	1338
Muscatine	EC	Muscatine	41	24	27	91	4	22	549	Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680	Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059	Stanley 3 WSW	NE	Buchanan	42	38	0	91	51	48	1114
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148	Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442
Newton	C	Jasper	41	42	42	93	1	47	960	Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200
Northwood	NC	Worth	43	26	19	93	13	31	1190	Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260	Swisher	EC	Johnson	41	50	59	91	40	35	790
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165	Toledo 3 N	C	Tama	42	2	8	92	34	50	949
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982	Tripoli	NE	Bremer	42	48	45	92	15	27	960
Orange City	NW	Sioux	43	0	2	96	3	14	1380	Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080
Osage	NC	Mitchell	43	16	46	92	48	38	1170	Vinton	EC	Benton	42	10	13	92	0	28	850
Osceola	SC	Clarke	41	1	10	93	45	1	1028	Washington	SE	Washington	41	16	57	91	42	28	687
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830	Washta	NW	Cherokee	42	34	25	95	43	5	1160
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842	Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868
Ottumwa 5 W	SE	Wapello	41	0	36	92	31	3	833	Waukon 4 SW	NE	Allamakee	43	14	25	91	33	18	1191
Pella 1 S	SC	Marion	41	22	34	92	55	13	780	Webster City	C	Hamilton	42	28	7	93	47	50	1170
Perry	C	Dallas	41	50	22	94	6	38	965	Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212	Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
Postville	NE	Allamakee	43	5	24	91	33	29	1165	Zearing	C	Story	42	10	1	93	18	35	1116

REFERENCE NOTES

DEFINITIONS

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

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

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

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

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

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

SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

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

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

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

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

ABBREVIATIONS:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

LAT: Latitude in degrees and minutes north.

LON: Longitude in degrees and minutes west.

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

