

U. S. DEPARTMENT OF AGRICULTURE,  
WEATHER BUREAU.

MONTHLY METEOROLOGICAL SUMMARY.

Station, Duluth, Minn. Month, November 1899

Date.	TEMPERATURE.			Precipitation, in inches and hundredths.	Character of day.	SUMMARY.
	Max.	Min.	Mean.			
1.	38	29	34	T	PtCloudy	MEAN ATMOSPHERIC PRESSURE <u>30.04</u>
2.	43	27	35	0	Clear	Highest pressure <u>30.55</u> date <u>1"</u>
3.	54	28	41	0	Clear	Lowest pressure <u>29.22</u> date <u>29"</u>
4.	56	37	46	0	Clear	MEAN TEMPERATURE <u>41</u>
5.	45	35	40	0	Clear	Highest temp <u>57</u> date <u>6"</u> Lowest temp <u>27</u> date <u>2"</u>
6.	57	31	44	0	Clear	Greatest daily range of temperature <u>26</u> date <u>3"</u>
7.	56	43	50	0	Clear	Least daily range of temperature <u>3</u> date <u>14"</u>
8.	51	40	46	0	Cloudy	MEAN TEMPERATURE for this month in
9.	47	37	42	0	PtCloudy	1871 <u>27</u> 1873 <u>37</u> 1885 <u>32</u> 1892 <u>26</u>
10.	41	36	38	.02	Cloudy	1872 <u>27</u> 1879 <u>30</u> 1886 <u>28</u> 1893 <u>29</u>
11.	36	30	33	.02	Cloudy	1873 <u>24</u> 1880 <u>20</u> 1887 <u>30</u> 1894 <u>26</u>
12.	35	30	32	.01	Cloudy	1874 <u>27</u> 1881 <u>27</u> 1888 <u>33</u> 1895 <u>29</u>
13.	41	34	38	.01	Cloudy	1875 <u>24</u> 1882 <u>34</u> 1889 <u>31</u> 1896 <u>21</u>
14.	41	38	40	T	Cloudy	1876 <u>31</u> 1883 <u>30</u> 1890 <u>34</u> 1897 <u>26</u>
15.	48	38	43	0	PtCloudy	1877 <u>32</u> 1884 <u>29</u> 1891 <u>25</u> 1898 <u>29</u>
16.	49	39	44	.18	Cloudy	Mean temperature for this month for <u>30</u> years <u>29</u>
17.	57	44	50	.02	PtCloudy	Average † Excess of daily mean temp. during month <u>12</u>
18.	44	40	42	T	Cloudy	Accumulated Deficiency of daily mean temp. since Jan. <u>171</u>
19.	44	35	40	0	PtCloudy	Average daily Deficiency since January 1 <u>1</u>
20.	48	40	44	.20	Cloudy	Prevailing direction of wind <u>Southwest</u>
21.	48	34	41	.02	Clear	Total movement of wind <u>5835</u> miles.
22.	39	32	36	0	Cloudy	* Maximum velocity of wind, direction, and date <u>27 miles per hour from Northeast on the 16"</u>
23.	40	34	37	.02	Cloudy	TOTAL PRECIPITATION <u>.61</u> inches.
24.	40	32	36	0	PtCloudy	Number of days with .01 inch or more of precipitation <u>10</u>
25.	44	35	40	0	PtCloudy	TOTAL PRECIPITATION (in inches) for this month in
26.	55	35	45	0	Clear	1871 <u>1.47</u> 1873 <u>.69</u> 1885 <u>1.37</u> 1892 <u>1.67</u>
27.	50	33	42	0	Clear	1872 <u>2.48</u> 1879 <u>1.65</u> 1886 <u>2.84</u> 1893 <u>.76</u>
28.	49	34	42	0	Clear	1873 <u>1.59</u> 1880 <u>2.92</u> 1887 <u>1.99</u> 1894 <u>1.43</u>
29.	45	38	42	.11	Cloudy	1874 <u>1.77</u> 1881 <u>2.58</u> 1888 <u>.87</u> 1895 <u>1.65</u>
30.	40	34	37	T	Cloudy	1875 <u>1.69</u> 1882 <u>1.66</u> 1889 <u>.87</u> 1896 <u>3.42</u>
31.						1876 <u>2.79</u> 1883 <u>1.63</u> 1890 <u>.91</u> 1897 <u>.78</u>
Means	46.0	35.1	40.7			1877 <u>1.05</u> 1884 <u>.95</u> 1891 <u>1.11</u> 1898 <u>.94</u>
						Average precipitation for this month for <u>30</u> years <u>1.60</u> inches.
						Total Deficiency in precipitation during month <u>.99</u> inches.
						Accumulated Deficiency in precipitation since Jan. 1 <u>.79</u> inches.
						Number of clear days <u>10</u> Partly cloudy days <u>7</u> Cloudy days <u>13</u>
						Dates of frost
						Light
						Heavy
						Killing

NOTE.—Pressure reduced to sea level. "T" indicates trace of precipitation. \* To be taken from any five-minute record. † Insert "excess" or "deficiency," as the case may be.

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