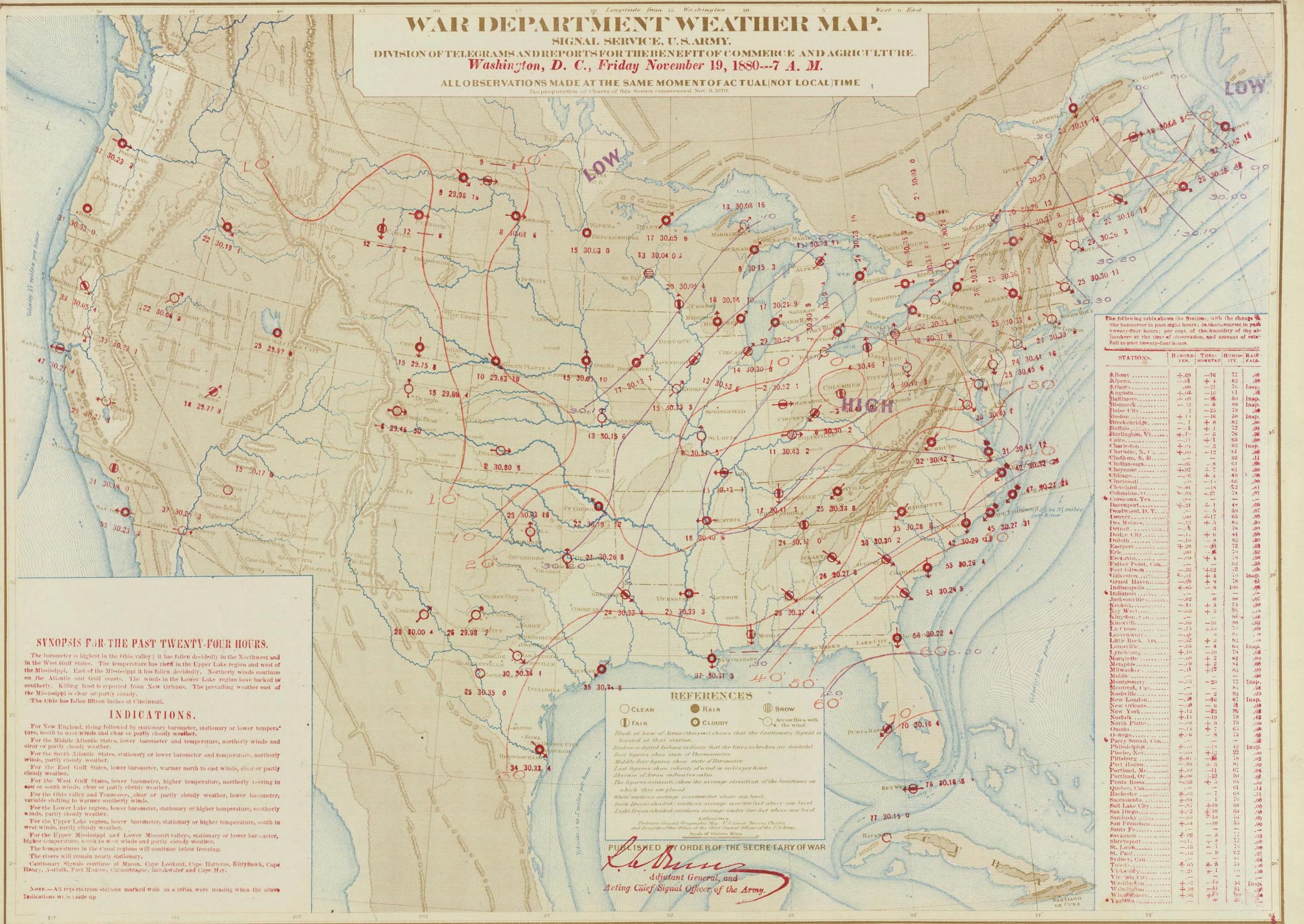


WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.
 DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.
 Washington, D. C., Friday November 19, 1880--7 A. M.

ALL OBSERVATIONS MADE AT THE SAME MOMENT OF ACTUAL (NOT LOCAL) TIME
 The preparation of Charts of this Series commenced Nov. 8, 1870.



The following table shows the Stations, with the change in the barometer in past eight hours; the barometer in past twenty-four hours; per cent of the humidity of the atmosphere at the time of observation; and amount of rainfall in past twenty-four hours.

STATIONS.	Barom-eter.	Ther-om-eter.	Humid-ity.	Rain-fall.
Albany	+0.00	-1.6	77	.06
Alpena	-0.01	+1.4	82	.06
Atlanta	0.00	+1.7	76	Inap.
Angus	+0.08	-1.6	81	.18
Baltimore	-0.09	-1.6	80	Inap.
Bismarck	-0.33	-1.6	89	Inap.
Biose City	-0.25	-1.6	79	.06
Boston	+1.5	-1.6	80	Inap.
Brockton	-1.1	-1.6	81	.06
Buffalo	+1.1	-1.6	72	.04
Burlington, Vt.	+1.1	-1.6	76	.06
Cañon	+1.1	-1.6	65	.06
Charleston	+0.01	-1.6	83	Inap.
Charlotte, N. C.	+0.00	-1.6	81	.06
Clifton, N. J.	-1.1	-1.6	92	.11
Chattanooga	-1.02	-1.6	81	.06
Cheyanne	+0.02	-1.6	61	.06
Chicago	-0.07	-1.6	49	.06
Chickadee	+0.00	-1.6	81	.06
Cleveland	-0.04	-1.6	52	.01
Columbus, O.	-0.03	-1.6	74	.01
Coscoima, Tex.	+0.21	-1.6	48	.06
Davenport	-1.1	-1.6	48	.06
Deadwood, D. T.	-1.5	-1.6	59	.07
Denver	-0.00	-1.6	65	.06
Des Moines	-1.13	-1.6	84	.06
Detroit	-1.6	-1.6	44	.06
Dodge City	-1.1	-1.6	84	.06
Duluth	-1.10	-1.6	83	.06
Eastport	+0.28	-1.6	72	.06
Eric	-1.00	-1.6	70	.06
Essexville	-1.00	-1.6	78	.06
Father Point, Can.	-1.1	-1.6	92	.06
Fort Gibson	-1.20	-1.6	72	.06
Vicksburg	-1.11	-1.6	79	.06
Grand Haven	-0.08	-1.6	78	.06
Indianapolis	+0.00	-1.6	100	.06
Indianola	-1.02	-1.6	88	.06
Jacksonville	-1.11	-1.6	74	.06
Keokuk	-1.11	-1.6	74	.06
Key West	-1.03	-1.6	88	.06
Kingston, Cal.	-1.00	-1.6	88	.06
Knoxville	-1.00	-1.6	88	.06
La Crosse	-1.15	-1.6	70	.06
Leavenworth	-1.08	-1.6	81	.06
Little Rock, Ark.	-1.00	-1.6	84	.06
Louisville	-1.00	-1.6	60	Inap.
Lynchburg	+1.10	-1.6	79	.06
Marquette	-1.08	-1.6	82	.06
Memphis	-1.09	-1.6	84	.06
Milwaukee	-1.13	-1.6	83	.06
Mobile	-1.00	-1.6	83	.06
Montgomery	-1.00	-1.6	77	Inap.
Montreal, Can.	-1.00	-1.6	84	.06
Nashville	-1.00	-1.6	83	.06
New London	-1.00	-1.6	87	Inap.
New Orleans	-1.00	-1.6	81	.06
New York	+1.12	-1.6	86	.06
Norfolk	-1.13	-1.6	79	.06
North Platte	-1.08	-1.6	79	.06
Omaha	-1.14	-1.6	63	.06
Owego	+1.16	-1.6	75	.06
Parry Sound, Can.	-1.00	-1.6	88	.06
Pittsburgh	-1.00	-1.6	82	.06
Plymouth, N. Y.	+1.13	-1.6	82	.06
Pittsburg	-1.00	-1.6	78	.06
Port Huron	-1.00	-1.6	81	.06
Portland, Me.	-1.10	-1.6	67	.06
Portland, Ore.	-1.10	-1.6	84	.06
Punta Gorda	+1.12	-1.6	85	.06
Quebec, Can.	-1.00	-1.6	61	.11
Rochester	-1.00	-1.6	68	.11
Sacramento	-1.04	-1.6	70	.06
Salt Lake City	-1.17	-1.6	88	.06
San Diego	+1.12	-1.6	89	.06
Sandusky	-1.00	-1.6	70	.06
San Francisco	-1.04	-1.6	55	.06
Santa Fe	-1.00	-1.6	84	.06
Savannah	-1.10	-1.6	77	.06
Shreveport	-1.10	-1.6	77	.06
St. Louis	-1.13	-1.6	78	.06
St. Paul	-1.15	-1.6	62	.06
Sedona, Can.	-1.10	-1.6	84	.06
Tulsa	-1.05	-1.6	84	.06
Vicksburg	-1.21	-1.6	83	.06
Virginia City	-1.10	-1.6	70	.06
Washington	-1.07	-1.6	85	Inap.
Washington	+1.10	-1.6	84	.06
Wilmington	+1.00	-1.6	85	.06
Yankee	-1.00	-1.6	85	.06

SYNOPSIS FOR THE PAST TWENTY-FOUR HOURS.

The barometer is highest in the Ohio valley; it has fallen decidedly in the Northwest and in the West Gulf States. The temperature has risen in the Upper Lake region and west of the Mississippi. East of the Mississippi it has fallen decidedly. Northerly winds continue on the Atlantic and Gulf coasts. The winds in the Lower Lake region have backed to southerly. Killing frost is reported from New Orleans. The prevailing weather east of the Mississippi is clear or partly cloudy. The Ohio has fallen fifteen inches at Cincinnati.

INDICATIONS.

- For New England, rising followed by stationary barometer, stationary or lower temperature, north to west winds and clear or partly cloudy weather.
- For the Middle Atlantic States, lower barometer and temperature, northerly winds and clear or partly cloudy weather.
- For the South Atlantic States, stationary or lower barometer and temperature, northerly winds, partly cloudy weather.
- For the East Gulf States, lower barometer, warmer north to east winds, clear or partly cloudy weather.
- For the West Gulf States, lower barometer, higher temperature, northerly veering to east or south winds, clear or partly cloudy weather.
- For the Ohio valley and Tennessee, clear or partly cloudy weather, lower barometer, variable shifting to warmer southerly winds.
- For the Lower Lake region, lower barometer, stationary or higher temperature, southerly winds, partly cloudy weather.
- For the Upper Lake region, lower barometer, stationary or higher temperature, south to west winds, partly cloudy weather.
- For the Upper Mississippi and Lower Missouri valleys, stationary or lower barometer, higher temperature, south to west winds and partly cloudy weather.
- The temperatures in the Canal regions will continue below freezing.
- The rivers will remain nearly stationary.
- Cautionary Signals continue at Macon, Cape Lookout, Cape Hatteras, Kittyhawk, Cape Henry, Norfolk, Fort Monroe, Clinchcoague, breakwater and Cape May.

Note.—All reports from stations marked with an asterisk were missing when the above indications were made up.

REFERENCES

- CLEAR
- ☉ FAIR
- ☁ CLOUDY
- ☉ RAIN
- ☉ SNOW
- ↗ Arrow flies with the wind.

Black at base of Arrow (this) shows that the Cautionary Signal is hoisted at that station.

Broken or dotted isobars indicate that the lines are broken or doubtful.

First figures show state of Thermometer.

Middle line figures show state of Barometer.

Last figures show velocity of wind in miles per hour.

Absence of Arrow indicates calm.

The figures at summit show the average elevation of the locations on which they are placed.

White surfaces average over 1000 feet above sea level.

Dark Brown shaded surfaces average over 500 feet above sea level.

Light Brown shaded surfaces average under 500 feet above sea level.

Authorities:
 Professor Guyot's Orographic Map, U.S. Coast Survey Charts, and Records of the Office of the Chief Signal Officer of the U.S. Army.

Scale of Statute Miles

PUBLISHED BY ORDER OF THE SECRETARY OF WAR
L. B. Russ
 Adjutant General, and
 Acting Chief Signal Officer of the Army.

