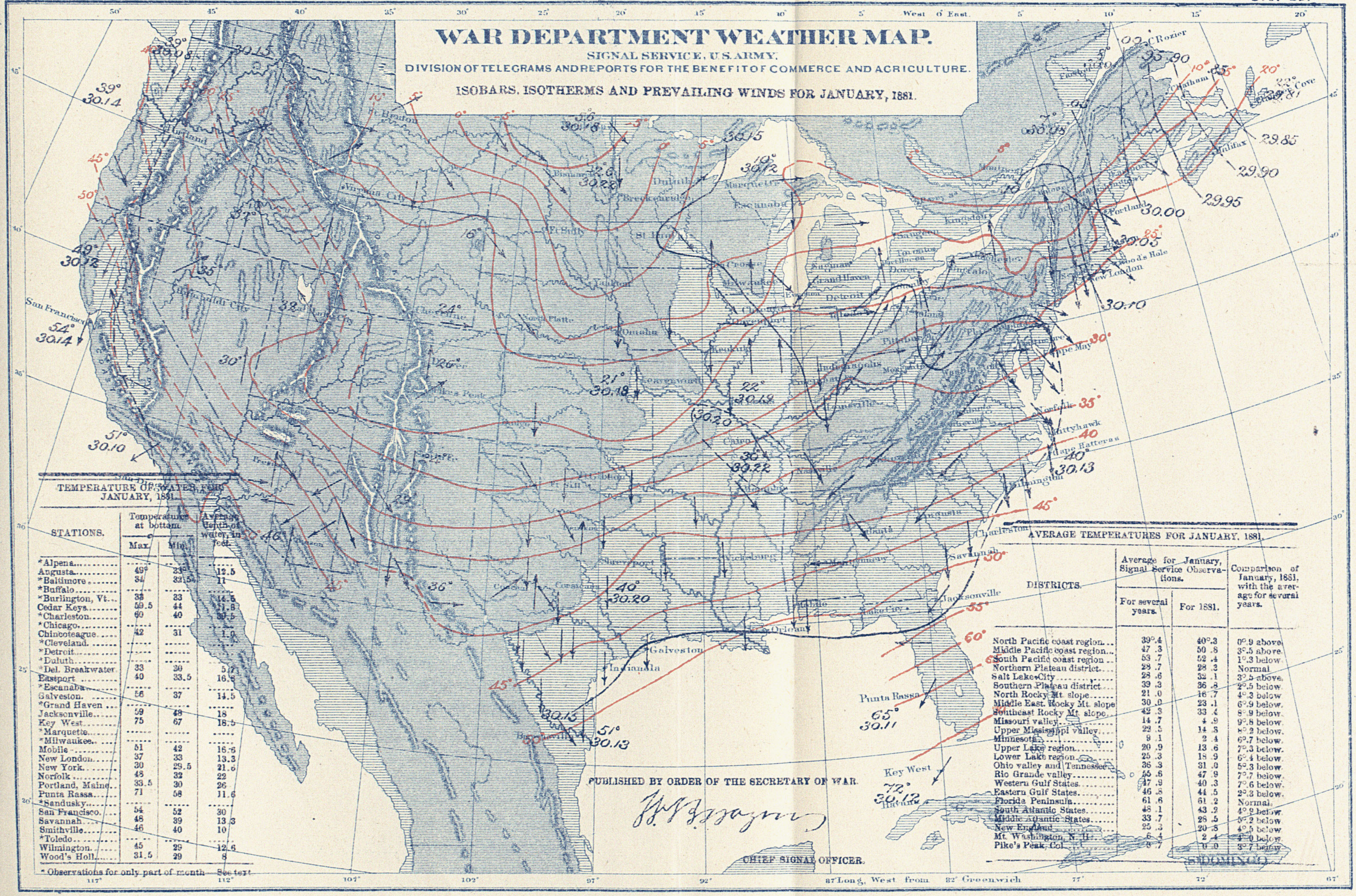
No. 11.

WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR JANUARY, 1881.



TEMPERATURE OF WATER FOR JANUARY, 1881.

STATIONS.	Temperature at bottom. Max.	Min.	Average depth of water, in feet.
*Alpena	......	......	......
Augusta	49°	33°	12.5
*Baltimore	34	32.5	11
*Buffalo	......	......	......
*Burlington, Vt.	33	33	14.5
Cedar Keys	59.5	44	11.5
*Charleston	60	40	30.5
*Chicago	......	......	......
Chincoteague	42	31	1.0
*Cleveland	......	......	......
*Detroit	......	......	......
*Duluth	......	......	......
*Del. Breakwater	33	30	5.7
Eastport	40	33.5	16.8
*Escanaba	......	......	......
Galveston	56	37	14.5
*Grand Haven	......	......	......
Jacksonville	59	48	18
Key West	75	67	18.5
*Marquette	......	......	......
*Milwaukee	......	......	......
Mobile	51	42	16.6
New London	37	33	13.3
New York	30	29.5	21.6
Norfolk	48	32	22
Portland, Maine	33.5	30	26
Punta Rassa	71	58	11.6
*Sandusky	......	......	......
San Francisco	54	52	30
Savannah	48	39	13.3
Smithville	46	40	10
*Toledo	......	......	......
Wilmington	45	29	12.6
Wood's Holl	31.5	29	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR JANUARY, 1881.

DISTRICTS.	Average for January, Signal Service Observations. For several years.	For 1881.	Comparison of January, 1881, with the average for several years.
North Pacific coast region	39°.4	40°.3	0°.9 above.
Middle Pacific coast region	47 .3	50 .8	3°.5 above.
South Pacific coast region	53 .7	52 .4	1°.3 below.
Northern Plateau district	28 .7	28 .3	Normal.
Salt Lake City	28 .6	32 .1	3°.5 above.
Southern Plateau district	39 .3	36 .8	2°.5 below.
North Rocky Mt. slope	21 .0	16 .7	4°.3 below.
Middle East. Rocky Mt. slope	30 .0	23 .1	6°.9 below.
Southeast Rocky Mt. slope	42 .3	33 .4	8°.9 below.
Missouri valley	14 .7	4 .9	9°.8 below.
Upper Mississippi valley	22 .5	14 .3	8°.2 below.
Minnesota	9 .1	2 .4	6°.7 below.
Upper Lake region	20 .9	13 .6	7°.3 below.
Lower Lake region	25 .3	18 .9	6°.4 below.
Ohio valley and Tennessee	36 .3	31 .0	5°.3 below.
Rio Grande valley	55 .6	47 .9	7°.7 below.
Western Gulf States	47 .9	40 .3	7°.6 below.
Eastern Gulf States	46 .8	44 .5	2°.3 below.
Florida Peninsula	61 .6	61 .2	Normal.
South Atlantic States	48 .1	43 .2	4°.9 below.
Middle Atlantic States	33 .7	28 .5	5°.2 below.
New England	25 .3	20 .8	4°.5 below.
Mt. Washington, N. H.	6 .4	2 .4	4°.0 below.
Pike's Peak, Col.	8 .7	0 .0	3°.7 below.

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