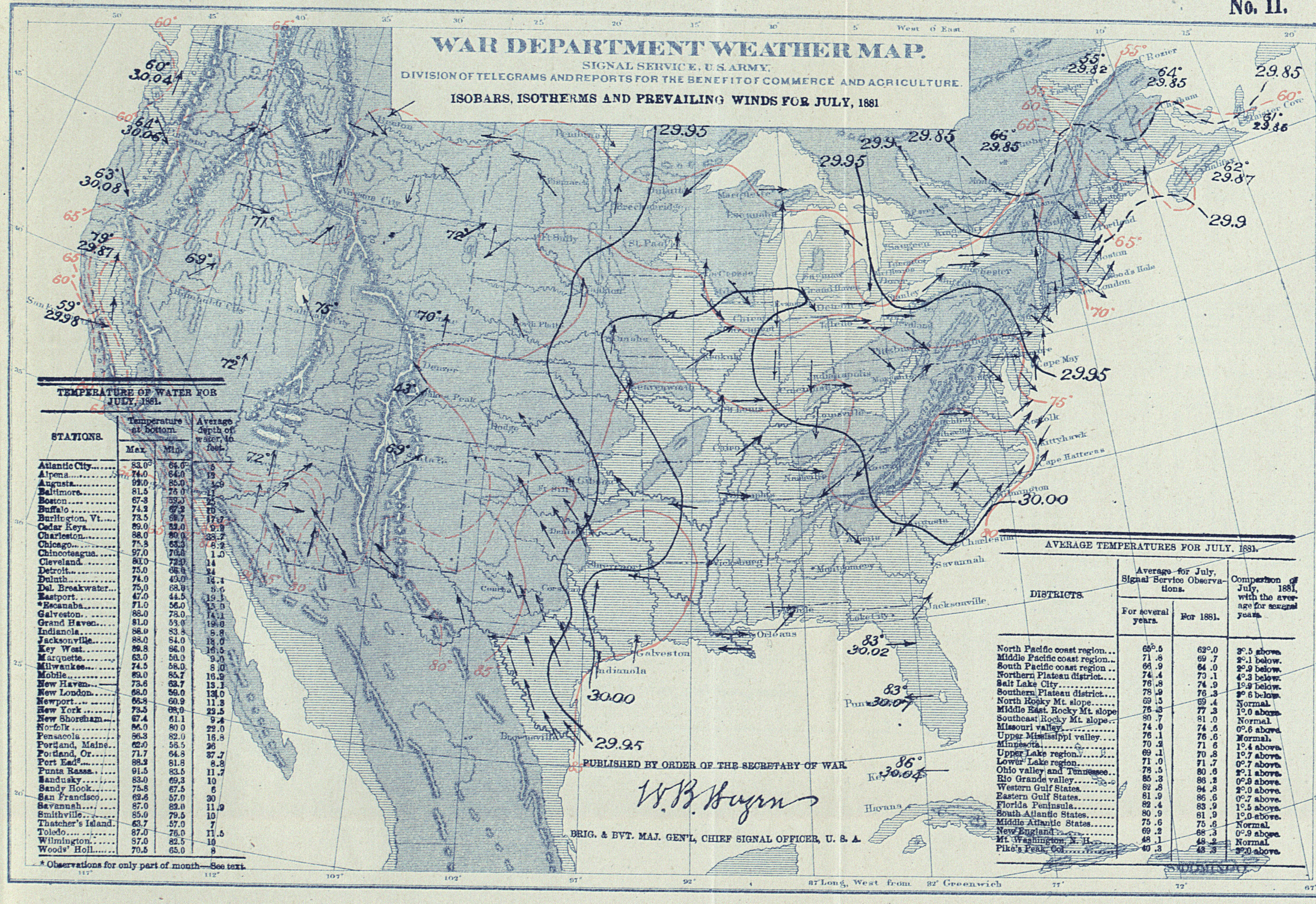
No. II.

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 JULY, 1881



TEMPERATURE OF WATER FOR JULY, 1881.

STATIONS.	Temperature at bottom. Max.	Temperature at bottom. Min.	Average depth of water, in feet.
Atlantic City	83.0°	64.0°	5
Alpena	74.0	64.0	13
Augusta	92.0	85.0	4.9
Baltimore	81.5	76.0	11
Boston	67.8	59.0	25
Buffalo	74.2	67.2	10
Burlington, Vt.	73.5	62.7	17.7
Cedar Keys	89.0	82.0	9.9
Charleston	88.0	80.0	38.7
Chicago	75.8	63.3	8.2
Chincoteague	97.0	70.0	1.0
Cleveland	80.0	72.0	14
Detroit	75.0	66.0	24
Duluth	74.0	49.0	14.1
Del. Breakwater	75.0	68.0	6.6
Eastport	47.0	44.5	19.1
*Escanaba	71.0	56.0	15.0
Galveston	88.0	78.0	14.1
Grand Haven	81.0	53.0	19.0
Indianola	88.0	83.3	8.8
Jacksonville	88.0	84.0	18.0
Key West	89.8	86.0	16.5
Marquette	63.0	50.0	9.0
Milwaukee	74.5	58.0	8.0
Mobile	89.0	85.7	16.9
New Haven	73.6	62.7	13.1
New London	68.0	59.0	13.0
Newport	65.8	60.9	11.3
New York	73.5	68.0	23.5
New Shoreham	67.4	61.1	9.4
Norfolk	86.0	80.0	22.0
Pensacola	86.3	82.0	16.8
Portland, Maine	62.0	56.5	26
Portland, Or.	71.7	64.8	37.7
Port Eads	88.2	81.8	8.8
Punta Rassa	91.5	83.5	11.7
Sandusky	83.0	69.3	10
Sandy Hook	75.8	67.5	6
San Francisco	62.6	57.0	30
Savannah	87.0	82.0	11.9
Smithville	85.0	79.5	10
Thatcher's Island	63.7	57.0	7
Toledo	87.0	76.0	11.5
Wilmington	87.0	82.5	10
Woods' Holl	70.5	65.0	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR JULY, 1881.

DISTRICTS.	Average for July, Signal Service Observations. For several years.	Average for July, Signal Service Observations. For 1881.	Comparison of July, 1881, with the average for several years.
North Pacific coast region	65°.5	62°.0	3°.5 above.
Middle Pacific coast region	71 .8	69 .7	2°.1 below.
South Pacific coast region	66 .9	64 .0	2°.9 below.
Northern Plateau district	74 .4	70 .1	4°.3 below.
Salt Lake City	76 .8	74 .9	1°.9 below.
Southern Plateau district	78 .9	76 .3	2°.6 below.
North Rocky Mt. slope	69 .5	69 .4	Normal.
Middle East. Rocky Mt. slope	76 .3	77 .3	1°.0 above.
Southeast Rocky Mt. slope	80 .7	81 .0	Normal.
Missouri valley	74 .0	74 .6	0°.6 above.
Upper Mississippi valley	76 .1	76 .6	Normal.
Minnesota	70 .2	71 .6	1°.4 above.
Upper Lake region	69 .1	70 .8	1°.7 above.
Lower Lake region	71 .0	71 .7	0°.7 above.
Ohio valley and Tennessee	78 .5	80 .6	2°.1 above.
Rio Grande valley	85 .3	86 .2	0°.9 above.
Western Gulf States	82 .8	84 .8	2°.0 above.
Eastern Gulf States	81 .9	86 .6	0°.7 above.
Florida Peninsula	82 .4	83 .9	1°.5 above.
South Atlantic States	80 .9	81 .9	1°.0 above.
Middle Atlantic States	75 .6	75 .6	Normal.
New England	69 .2	68 .3	0°.9 above.
Mt. Washington, N. H.	48 .1	48 .2	Normal.
Pike's Peak, Col.	40 .3	43 .3	3°.0 above.

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