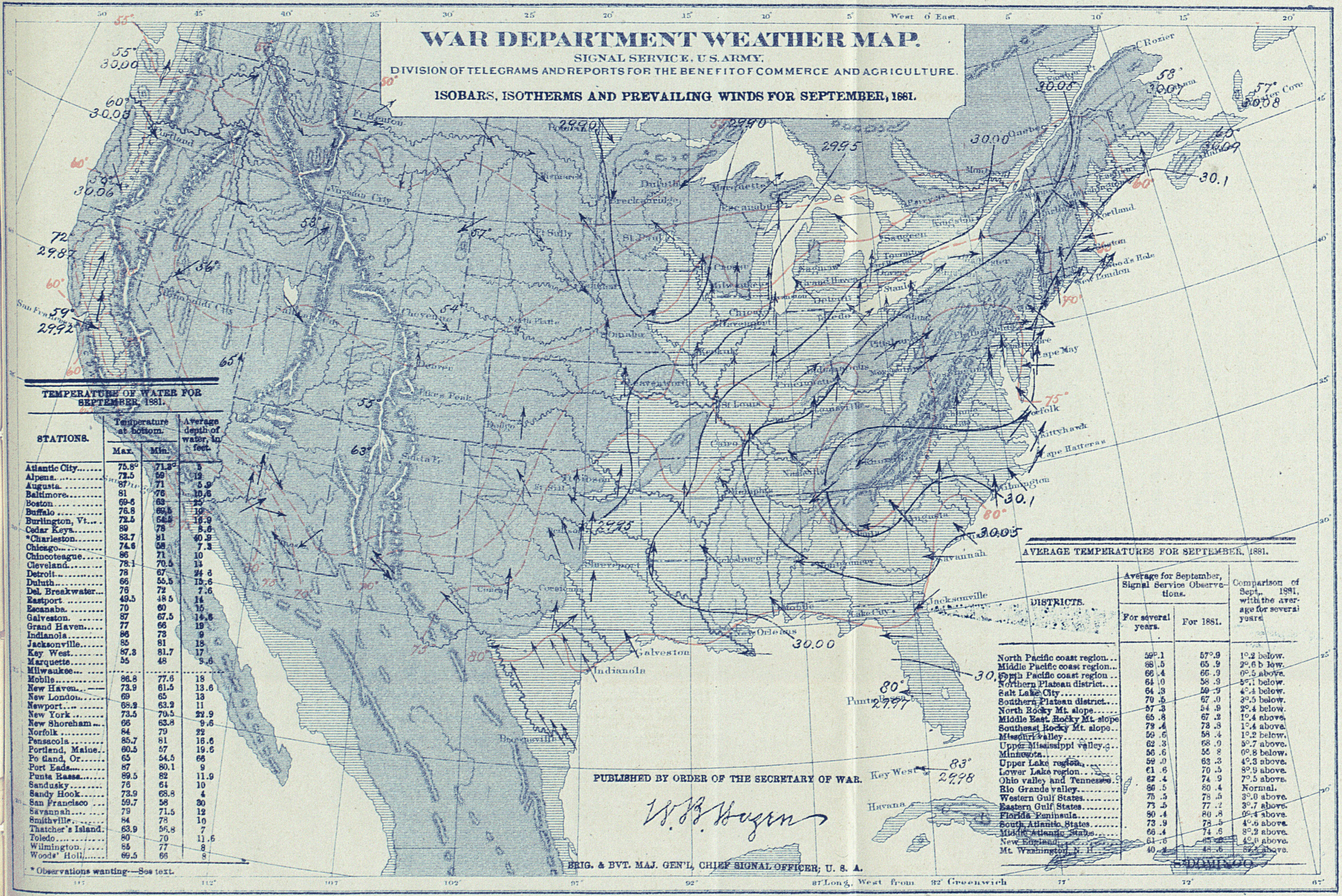
No. II.

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 SEPTEMBER, 1881.



TEMPERATURE OF WATER FOR SEPTEMBER, 1881.

STATIONS.	Temperature at bottom. Max.	Temperature at bottom. Min.	Average depth of water, in feet.
Atlantic City	75.8°	71.8°	5
Alpena	72.5	59	12
Augusta	87	71	5.9
Baltimore	81	76	10.6
Boston	69.6	63	25
Buffalo	76.8	69.5	19
Burlington, Vt.	72.5	64.5	16.9
Cedar Keys	89	78	8.6
*Charleston	83.7	81	40.9
Chicago	74.6	58	7.3
Chincoteague	86	71	10
Cleveland	78.1	70.5	14
Detroit	78	67	24 8
Duluth	66	55.5	15.6
Del. Breakwater	76	72	7.6
Eastport	49.5	48 5	14
Escanaba	70	60	15
Galveston	87	67.5	14.8
Grand Haven	77	66	19
Indianola	86	73	9
Jacksonville	85	81	18
Key West	87.3	81.7	17
Marquette	55	48	9.6
Milwaukee	......	......	......
Mobile	86.8	77.6	18
New Haven	73.9	61.5	13.6
New London	69	65	13
Newport	68.2	63.2	11
New York	73.5	70.5	22.9
New Shoreham	66	63.8	9.6
Norfolk	84	79	22
Pensacola	85.7	81	16.6
Portland, Maine	60.5	57	19.6
Portland, Or.	65	54.5	66
Port Eads	87	80.1	9
Punta Rassa	89.5	82	11.9
Sandusky	76	64	10
Sandy Hook	73.9	68.8	4
San Francisco	59.7	58	30
Savannah	79	71.5	12
Smithville	84	78	10
Thatcher's Island	63.9	56.8	7
Toledo	80	70	11.6
Wilmington	85	77	8
Woods' Holl	69.5	66	8

* Observations wanting.—See text.

AVERAGE TEMPERATURES FOR SEPTEMBER, 1881.

DISTRICTS.	Average for September, Signal Service Observations. For several years.	Average for September, Signal Service Observations. For 1881.	Comparison of Sept., 1881, with the average for several years.
North Pacific coast region	59°.1	57°.9	1°.2 below.
Middle Pacific coast region	68 .5	65 .9	2°.6 below.
South Pacific coast region	66 .4	66 .9	0°.5 above.
Northern Plateau district	64 .0	58 .9	5°.1 below.
Salt Lake City	64 .3	59 .9	4°.4 below.
Southern Plateau district	70 .5	67 .0	3°.5 below.
North Rocky Mt. slope	57 .3	54 .9	2°.4 below.
Middle East. Rocky Mt. slope	65 .8	67 .2	1°.4 above.
Southeast Rocky Mt. slope	72 .4	73 .8	1°.4 above.
Missouri valley	59 .6	58 .4	1°.2 below.
Upper Mississippi valley	62 .3	68 .0	5°.7 above.
Minnesota	56 .6	55 .8	0°.8 below.
Upper Lake region	59 .0	63 .3	4°.3 above.
Lower Lake region	61 .6	70 .5	8°.9 above.
Ohio valley and Tennessee	67 .4	74 .9	7°.5 above.
Rio Grande valley	80 .5	80 .4	Normal.
Western Gulf States	75 .5	78 .5	3°.0 above.
Eastern Gulf States	73 .5	77 .2	3°.7 above.
Florida Peninsula	80 .4	80 .8	0°.4 above.
South Atlantic States	73 .9	78 .5	4°.6 above.
Middle Atlantic States	66 .4	74 .6	8°.2 above.
New England	61 .6	65 .[illegible]	4°.[illegible] above.
Mt. Washington, N. H.	40 .[illegible]	48 .6	8°.[illegible] above.

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