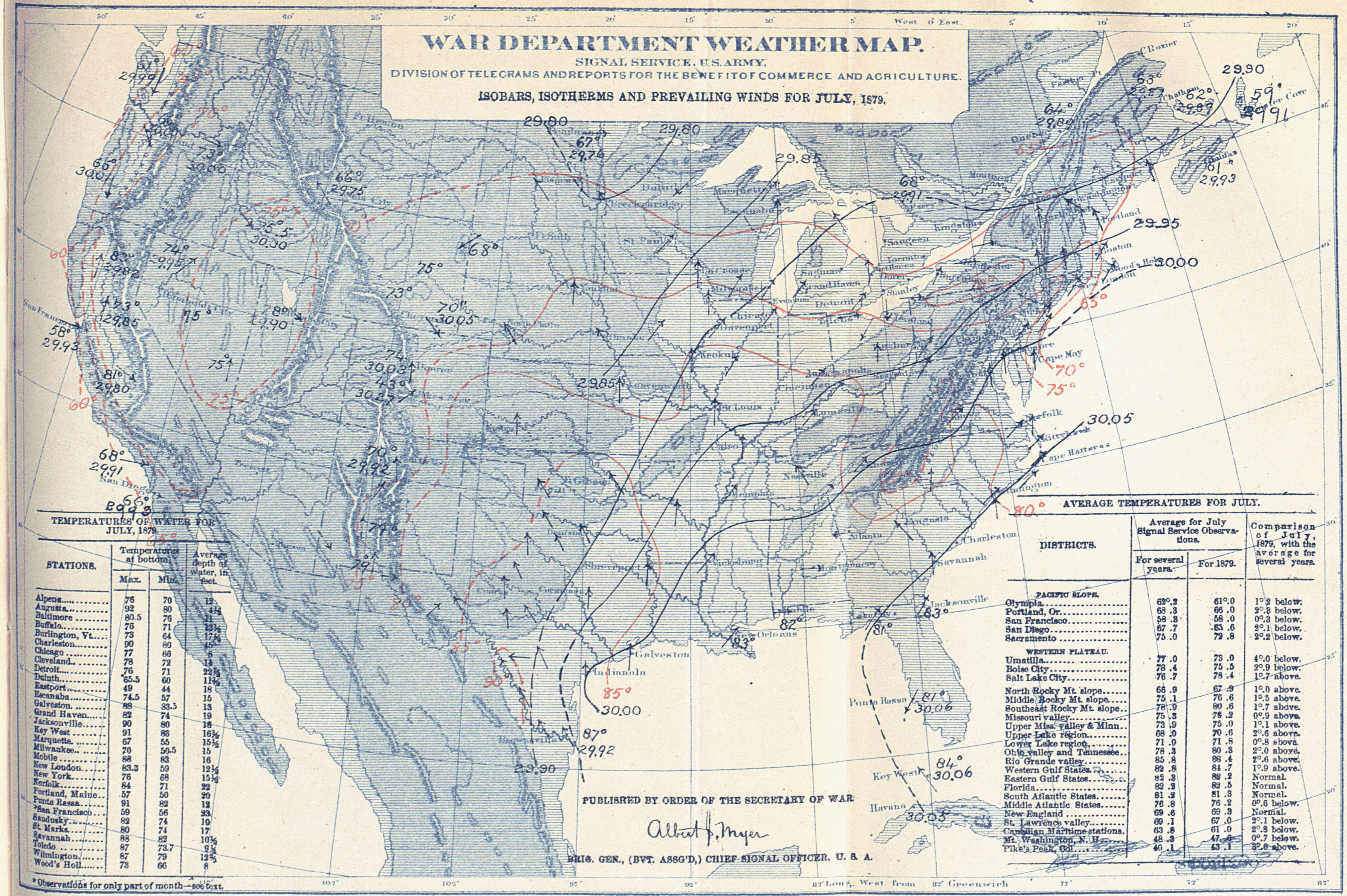
No. II.

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, 1879.



TEMPERATURES OF WATER FOR JULY, 1879.

STATIONS.	Temperatures at bottom. Max.	Temperatures at bottom. Min.	Average depth of water, in feet.
Alpena	76	70	12
Augusta	92	80	4½
Baltimore	80.5	76	11
Buffalo	76	71	13½
Burlington, Vt.	73	64	17½
Charleston	90	80	45
Chicago	77	66	6
Cleveland	78	72	14
Detroit	76	71	22½
Duluth	*65.5	60	11½
Eastport	49	44	18
Escanaba	74.5	57	15
Galveston	88	83.5	13
Grand Haven	82	74	19
Jacksonville	90	80	18
Key West	91	83	16½
Marquette	67	55	15½
Milwaukee	70	50.5	15
Mobile	88	83	16
New London	83.3	59	12½
New York	76	68	15½
Norfolk	84	71	22
Portland, Maine	57	50	20
Punta Rassa	91	82	12
*San Francisco	59	56	23
Sandusky	82	74	10
St. Marks	80	74	17
Savannah	88	82	10½
Toledo	87	73.7	9½
Wilmington	87	79	12⅔
Wood's Holl	73	66	8

* Observations for only part of month—see text.

AVERAGE TEMPERATURES FOR JULY.

DISTRICTS.	Average for July Signal Service Observations. For several years.	Average for July Signal Service Observations. For 1879.	Comparison of July, 1879, with the average for several years.
PACIFIC SLOPE.			
Olympia	62°.2	61°.0	1°.2 below.
Portland, Or.	68 .3	66 .0	2°.3 below.
San Francisco	58 .3	58 .0	0°.3 below.
San Diego	67 .7	65 .6	2°.1 below.
Sacramento	75 .0	72 .8	2°.2 below.
WESTERN PLATEAU.			
Umatilla	77 .0	73 .0	4°.0 below.
Boise City	78 .4	75 .5	2°.9 below.
Salt Lake City	76 .7	78 .4	1°.7 above.
North Rocky Mt. slope	66 .9	67 .9	1°.0 above.
Middle Rocky Mt. slope	75 .1	76 .6	1°.5 above.
Southeast Rocky Mt. slope	78 .9	80 .6	1°.7 above.
Missouri valley	75 .3	76 .2	0°.9 above.
Upper Miss. valley & Minn.	73 .9	75 .0	1°.1 above.
Upper Lake region	68 .0	70 .6	2°.6 above.
Lower Lake region	71 .0	71 .8	0°.8 above.
Ohio valley and Tennessee	78 .3	80 .3	2°.0 above.
Rio Grande valley	85 .8	88 .4	2°.6 above.
Western Gulf States	82 .8	84 .7	1°.9 above.
Eastern Gulf States	82 .3	82 .2	Normal.
Florida	82 .3	82 .5	Normal.
South Atlantic States	81 .2	81 .3	Normal.
Middle Atlantic States	76 .8	76 .2	0°.6 below.
New England	69 .6	69 .3	Normal.
St. Lawrence valley	69 .1	67 .0	2°.1 below.
Canadian Maritime stations	63 .8	61 .0	2°.8 below.
Mt. Washington, N. H.	48 .3	47 .6	0°.7 below.
Pike's Peak, Col.	40 .1	43 .1	3°.0 above.

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