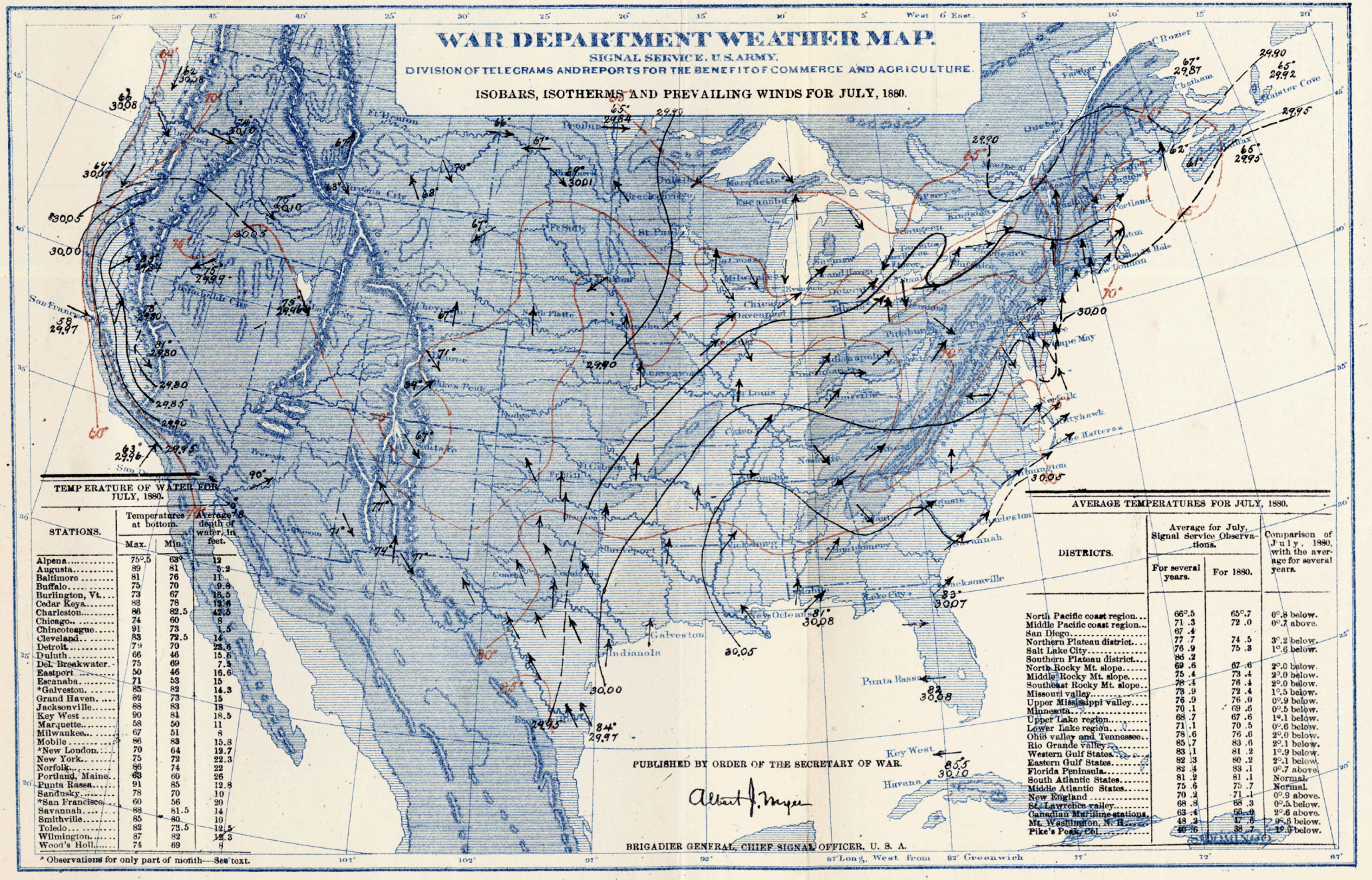
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR JULY, 1880.



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TEMPERATURE OF WATER FOR JULY, 1880.

STATIONS.	Temperatures at bottom. Max.	Min.	Average depth of water, in feet.
Alpena	75°.5	63°	12
Augusta	89	81	5.2
Baltimore	81	76	11
Buffalo	75	70	9.8
Burlington, Vt.	73	67	16.5
Cedar Keys	83	78	13.6
Charleston	86	82.5	42.5
Chicago	74	60	8
Chincoteague	91	73	1.5
Cleveland	83	72.5	14
Detroit	79	70	23.6
Duluth	66	46	15.6
Del. Breakwater	75	69	7.5
Eastport	50	46	16.6
Escanaba	71	53	15
*Galveston	85	82	14.3
Grand Haven	82	73	15
Jacksonville	88	83	18
Key West	90	84	18.5
Marquette	58	50	11
Milwaukee	67	51	8
Mobile	86	83	15.8
*New London	70	64	19.7
New York	75	72	22.3
Norfolk	86	74	22
Portland, Maine	63	60	26
Punta Rassa	91	85	12.8
Sandusky	78	70	10
*San Francisco	60	56	20
Savannah	88	81.5	14
Smithville	85	80	10
Toledo	82	73.5	12.5
Wilmington	87	82	12.3
Wood's Holl	74	69	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR JULY, 1880.

DISTRICTS.	Average for July, Signal Service Observations. For several years.	For 1880.	Comparison of July, 1880, with the average for several years.
North Pacific coast region	66°.5	65°.7	0°.8 below.
Middle Pacific coast region	71 .3	72 .0	0°.7 above.
San Diego	67 .4		
Northern Plateau district	77 .7	74 .5	3°.2 below.
Salt Lake City	76 .9	75 .3	1°.6 below.
Southern Plateau district	86 .2		
North Rocky Mt. slope	69 .6	67 .6	2°.0 below.
Middle Rocky Mt. slope	75 .4	73 .4	2°.0 below.
Southeast Rocky Mt. slope	78 .4	76 .4	2°.0 below.
Missouri valley	73 .9	72 .4	1°.5 below.
Upper Mississippi valley	76 .9	76 .0	0°.9 below.
Minnesota	70 .1	69 .6	0°.5 below.
Upper Lake region	68 .7	67 .6	1°.1 below.
Lower Lake region	71 .1	70 .5	0°.6 below.
Ohio valley and Tennessee	78 .6	76 .6	2°.0 below.
Rio Grande valley	85 .7	83 .6	2°.1 below.
Western Gulf States	83 .1	81 .2	1°.9 below.
Eastern Gulf States	82 .3	80 .2	2°.1 below.
Florida Peninsula	82 .4	83 .1	0°.7 above.
South Atlantic States	81 .2	81 .1	Normal.
Middle Atlantic States	75 .6	75 .7	Normal.
New England	70 .2	71 .1	0°.9 above.
St. Lawrence valley	68 .8	68 .3	0°.5 below.
Canadian Maritime stations	63 .4	65 .0	2°.6 above.
Mt. Washington, N. H.	48 .2	47 .6	0°.6 below.
Pike's Peak, Col.	40 .6	38 .7	1°.9 below.