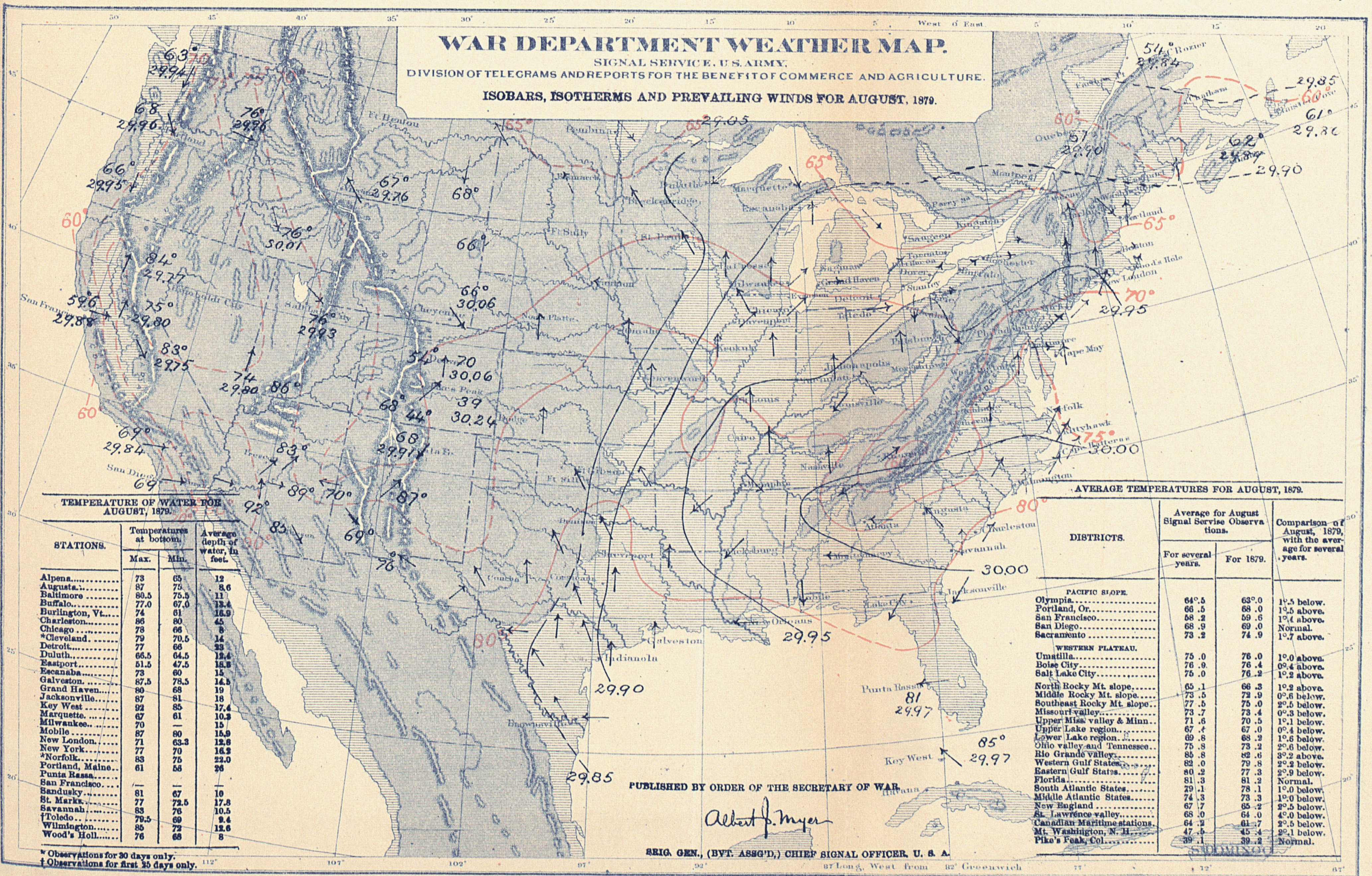
No. 11.

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 AUGUST, 1879.



TEMPERATURE OF WATER FOR AUGUST, 1879.

STATIONS.	Temperatures at bottom. Max.	Temperatures at bottom. Min.	Average depth of water, in feet.
Alpena	73	65	12
Augusta	87	75	8.6
Baltimore	80.5	75.5	11
Buffalo	77.0	67.0	13.4
Burlington, Vt.	74	61	16.9
Charleston	86	80	45
Chicago	78	66	8
*Cleveland	79	70.5	14
Detroit	77	66	23
Duluth	66.5	64.5	12.4
Eastport	51.5	47.5	18.8
Escanaba	73	60	15
Galveston	87.5	78.5	14.5
Grand Haven	80	68	19
Jacksonville	87	81	18
Key West	92	85	17.4
Marquette	67	61	10.3
Milwaukee	70	—	15
Mobile	87	80	15.9
New London	71	63.3	12.8
New York	77	70	16.2
*Norfolk	83	75	22.0
Portland, Maine	61	58	26
Punta Rassa			
San Francisco	—	—	—
Sandusky	81	67	10
St. Marks	77	72.5	17.8
Savannah	83	76	10.5
†Toledo	79.5	69	9.4
Wilmington	85	72	12.6
Wood's Holl	76	68	8

* Observations for 30 days only.
† Observations for first 25 days only.

AVERAGE TEMPERATURES FOR AUGUST, 1879.

DISTRICTS.	Average for August Signal Service Observations. For several years.	Average for August Signal Service Observations. For 1879.	Comparison of August, 1879, with the average for several years.
PACIFIC SLOPE.			
Olympia	64°.5	63°.0	1°.5 below.
Portland, Or.	66 .5	68 .0	1°.5 above.
San Francisco	58 .2	59 .6	1°.4 above.
San Diego	68 .9	69 .0	Normal.
Sacramento	73 .2	74 .9	1°.7 above.
WESTERN PLATEAU.			
Umatilla	75 .0	76 .0	1°.0 above.
Boise City	76 .0	76 .4	0°.4 above.
Salt Lake City	75 .0	76 .2	1°.2 above.
North Rocky Mt. slope	65 .1	66 .3	1°.2 above.
Middle Rocky Mt. slope	73 .5	72 .9	0°.6 below.
Southeast Rocky Mt. slope	77 .5	75 .0	2°.5 below.
Missouri valley	73 .7	73 .4	0°.3 below.
Upper Miss. valley & Minn.	71 .6	70 .5	1°.1 below.
Upper Lake region	67 .4	67 .0	0°.4 below.
Lower Lake region	69 .8	68 .2	1°.6 below.
Ohio valley and Tennessee	75 .8	73 .2	2°.6 below.
Rio Grande valley	85 .8	82 .6	3°.2 above.
Western Gulf States	82 .0	79 .8	2°.2 below.
Eastern Gulf States	80 .2	77 .3	2°.9 below.
Florida	81 .3	81 .2	Normal.
South Atlantic States	79 .1	78 .1	1°.0 below.
Middle Atlantic States	74 .3	73 .3	1°.0 below.
New England	67 .7	65 .2	2°.5 below.
St. Lawrence valley	68 .0	64 .0	4°.0 below.
Canadian Maritime stations	64 .2	61 .7	2°.5 below.
Mt. Washington, N. H.	47 .5	45 .4	2°.1 below.
Pike's Peak, Col.	39 .1	39 .2	Normal.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

Albert J. Myer

BRIG. GEN., (BVT. ASSG'D,) CHIEF SIGNAL OFFICER, U. S. A.

C. S. O. -Lith, Washington, D.C.