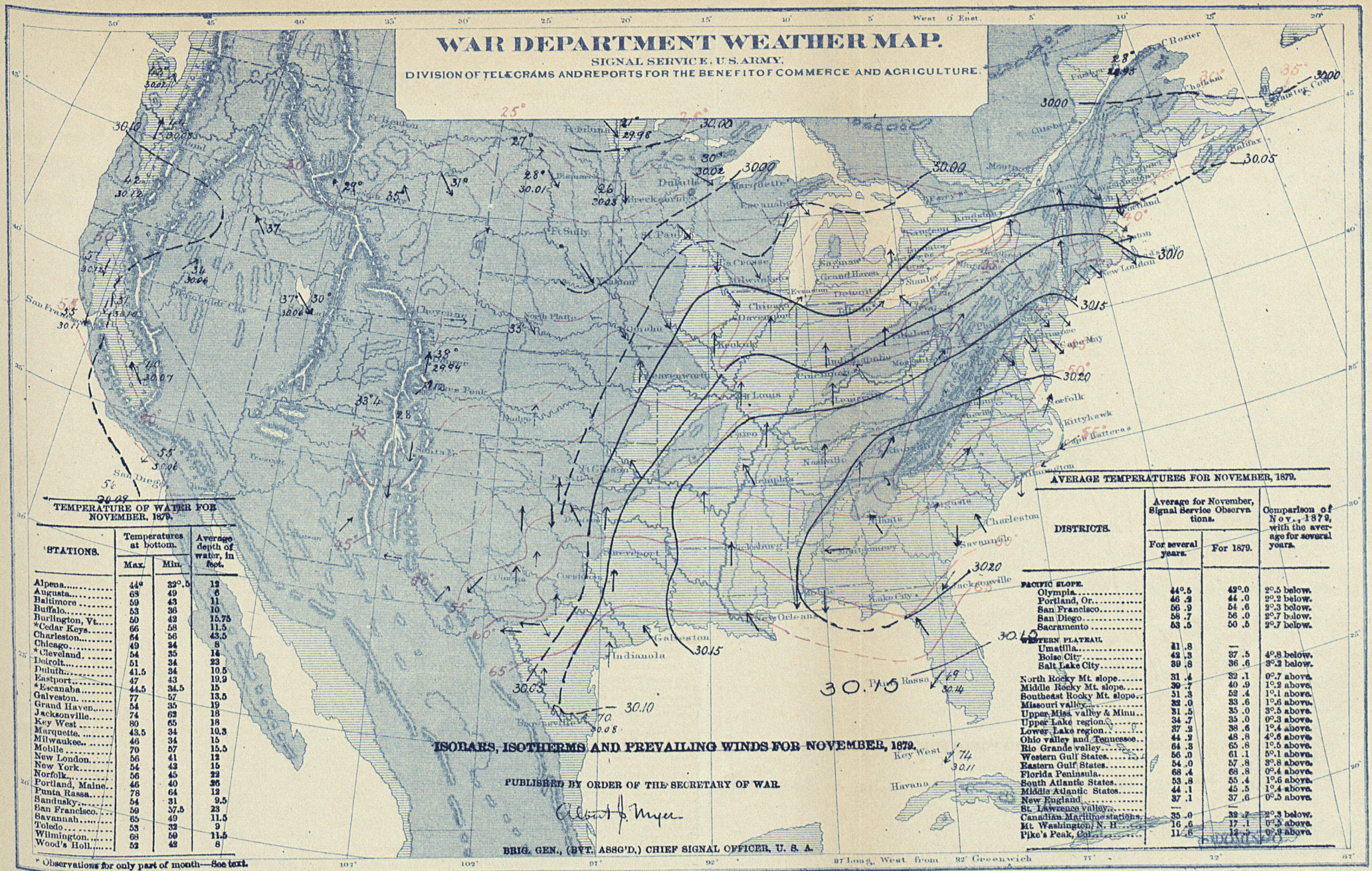
No. II.

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 NOVEMBER, 1879.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

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TEMPERATURE OF WATER FOR NOVEMBER, 1879.

STATIONS.	Temperatures at bottom. Max.	Min.	Average depth of water, in feet.
Alpena	44°	32°.5	12
Augusta	68	49	6
Baltimore	59	43	11
Buffalo	53	36	10
Burlington, Vt.	50	43	15.75
*Cedar Keys	66	58	11.5
Charleston	64	56	45.5
Chicago	49	34	9
*Cleveland	54	35	14
Detroit	51	34	23
Duluth	41.5	34	10.5
Eastport	47	43	19.2
*Escanaba	44.5	34.5	15
Galveston	77	57	13.5
Grand Haven	54	35	19
Jacksonville	74	62	18
Key West	80	65	18
Marquette	43.5	34	10.3
Milwaukee	46	34	15
Mobile	70	57	15.5
New London	56	41	12
New York	54	43	15
Norfolk	56	45	22
Portland, Maine	46	40	26
Punta Rassa	78	64	12
Sandusky	54	31	9.5
San Francisco	59	37.5	23
Savannah	65	49	11.5
Toledo	53	32	9
Wilmington	68	50	11.5
Wood's Holl	52	42	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR NOVEMBER, 1879.

DISTRICTS.	Average for November, Signal Service Observations. For several years.	For 1879.	Comparison of Nov., 1879, with the average for several years.
PACIFIC SLOPE.			
Olympia	44°.5	42°.0	2°.5 below.
Portland, Or.	46 .2	44 .0	2°.2 below.
San Francisco	56 .9	54 .6	2°.3 below.
San Diego	58 .7	56 .0	2°.7 below.
Sacramento	53 .5	50 .5	2°.7 below.
WESTERN PLATEAU.			
Umatilla	41 .8	—	
Boise City	42 .3	37 .5	4°.8 below.
Salt Lake City	39 .8	36 .6	3°.2 below.
North Rocky Mt. slope	31 .4	32 .1	0°.7 above.
Middle Rocky Mt. slope	39 .7	40 .9	1°.2 above.
Southeast Rocky Mt. slope	51 .3	52 .4	1°.1 above.
Missouri valley	32 .0	33 .6	1°.6 above.
Upper Miss. valley & Minn.	31 .5	35 .0	3°.5 above.
Upper Lake region	34 .7	35 .0	0°.3 above.
Lower Lake region	37 .2	38 .6	1°.4 above.
Ohio valley and Tennessee	44 .2	48 .8	4°.6 above.
Rio Grande valley	64 .3	65 .8	1°.5 above.
Western Gulf States	56 .0	61 .1	5°.1 above.
Eastern Gulf States	54 .0	57 .8	3°.8 above.
Florida Peninsula	68 .4	68 .8	0°.4 above.
South Atlantic States	53 .8	55 .4	1°.6 above.
Middle Atlantic States	44 .1	45 .5	1°.4 above.
New England	37 .1	37 .6	0°.5 above.
St. Lawrence valley	—	—	
Canadian Maritime stations	35 .0	32 .7	2°.3 below.
Mt. Washington, N. H.	16 .6	17 .1	0°.5 above.
Pike's Peak, Col.	11 .6	12 .1	0°.5 above.