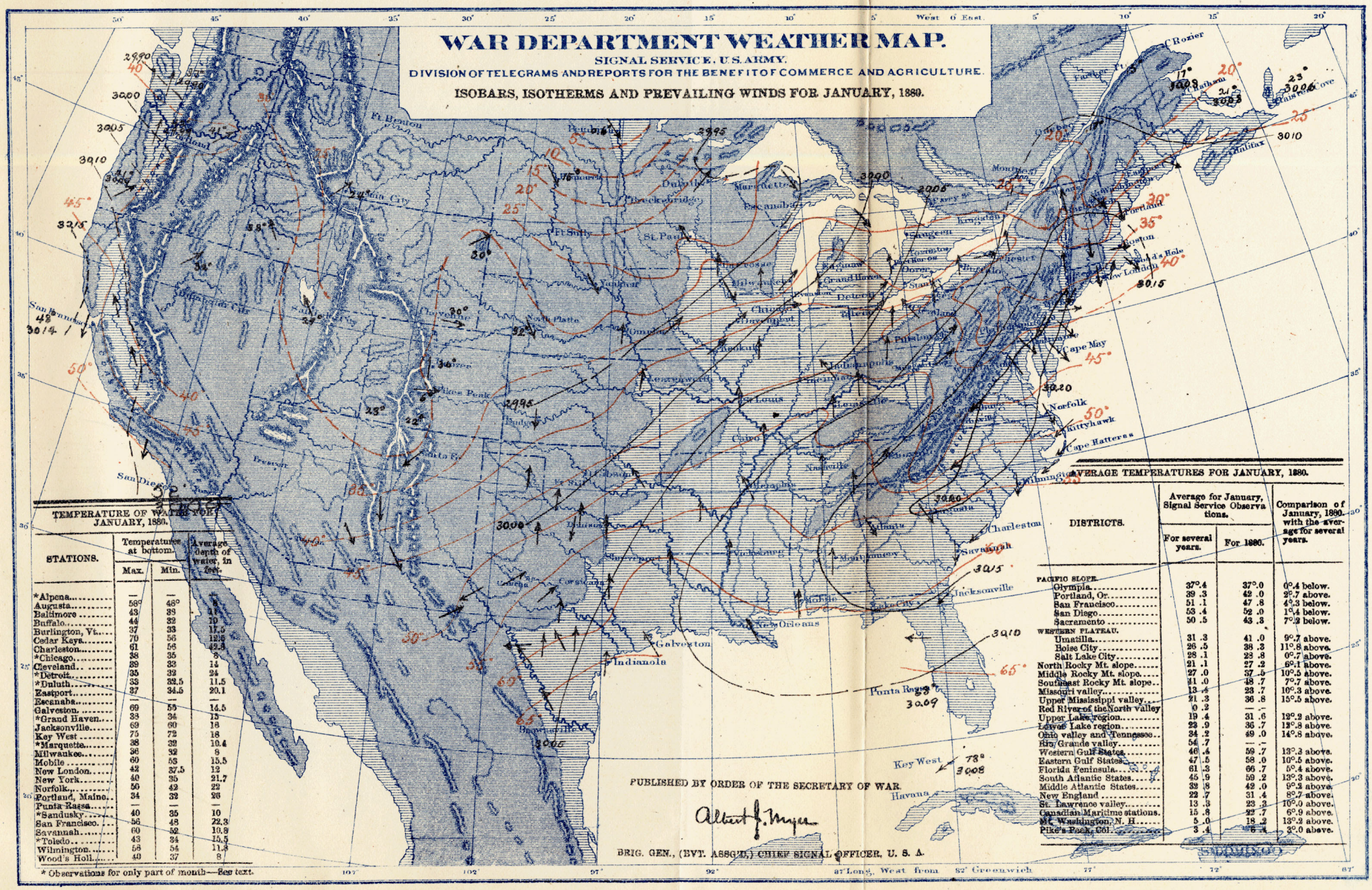
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR JANUARY, 1880.



TEMPERATURE OF WATER FOR JANUARY, 1880.

STATIONS.	Temperatures at bottom. Max.	Min.	Average depth of water, in feet.
*Alpena	—	—	—
Augusta	58°	48°	8
Baltimore	43	38	11
Buffalo	44	32	10
Burlington, Vt.	37	33	11.5
Cedar Keys	70	56	12.5
Charleston	61	56	42.3
*Chicago	38	35	8
Cleveland	39	33	14
*Detroit	35	32	24
*Duluth	33	32.5	11.5
Eastport	37	34.5	20.1
Escanaba	—	—	—
Galveston	69	55	14.5
*Grand Haven	38	34	13
Jacksonville	69	60	18
Key West	75	72	18
*Marquette	38	32	10.4
Milwaukee	36	32	8
Mobile	60	53	15.5
New London	42	37.5	12
New York	40	35	21.7
Norfolk	50	42	22
Portland, Maine	34	32	26
Punta Rassa	—	—	—
*Sandusky	40	35	10
San Francisco	56	48	22.3
Savannah	60	52	10.8
*Toledo	43	34	15.5
Wilmington	58	54	11.8
Wood's Holl	40	37	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR JANUARY, 1880.

DISTRICTS.	Average for January, Signal Service Observations. For several years.	For 1880.	Comparison of January, 1880, with the average for several years.
PACIFIC SLOPE.			
Olympia	37°.4	37°.0	0°.4 below.
Portland, Or.	39 .3	42 .0	2°.7 above.
San Francisco	51 .1	47 .8	4°.3 below.
San Diego	53 .4	52 .0	1°.4 below.
Sacramento	50 .5	43 .3	7°.2 below.
WESTERN PLATEAU.			
Umatilla	31 .3	41 .0	9°.7 above.
Boise City	26 .5	38 .3	11°.8 above.
Salt Lake City	28 .1	28 .8	0°.7 above.
North Rocky Mt. slope	21 .1	27 .2	6°.1 above.
Middle Rocky Mt. slope	27 .0	37 .5	10°.5 above.
Southeast Rocky Mt. slope	41 .0	48 .7	7°.7 above.
Missouri valley	13 .4	23 .7	10°.3 above.
Upper Mississippi valley	21 .3	36 .8	15°.5 above.
Red River of the North valley	0 .2	— .—	—
Upper Lake region	19 .4	31 .6	12°.2 above.
Lower Lake region	23 .9	36 .7	12°.8 above.
Ohio valley and Tennessee	34 .2	49 .0	14°.8 above.
Rio Grande valley	54 .7	— .—	—
Western Gulf States	46 .4	59 .7	13°.3 above.
Eastern Gulf States	47 .5	58 .0	10°.5 above.
Florida Peninsula	61 .3	66 .7	5°.4 above.
South Atlantic States	45 .9	59 .2	13°.3 above.
Middle Atlantic States	32 .8	42 .0	9°.2 above.
New England	22 .7	31 .4	8°.7 above.
St. Lawrence valley	13 .3	23 .3	10°.0 above.
Canadian Maritime stations	15 .8	22 .7	6°.9 above.
Mt. Washington, N. H.	5 .0	18 .2	13°.2 above.
Pike's Peak, Col.	3 .4	6 .4	3°.0 above.

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