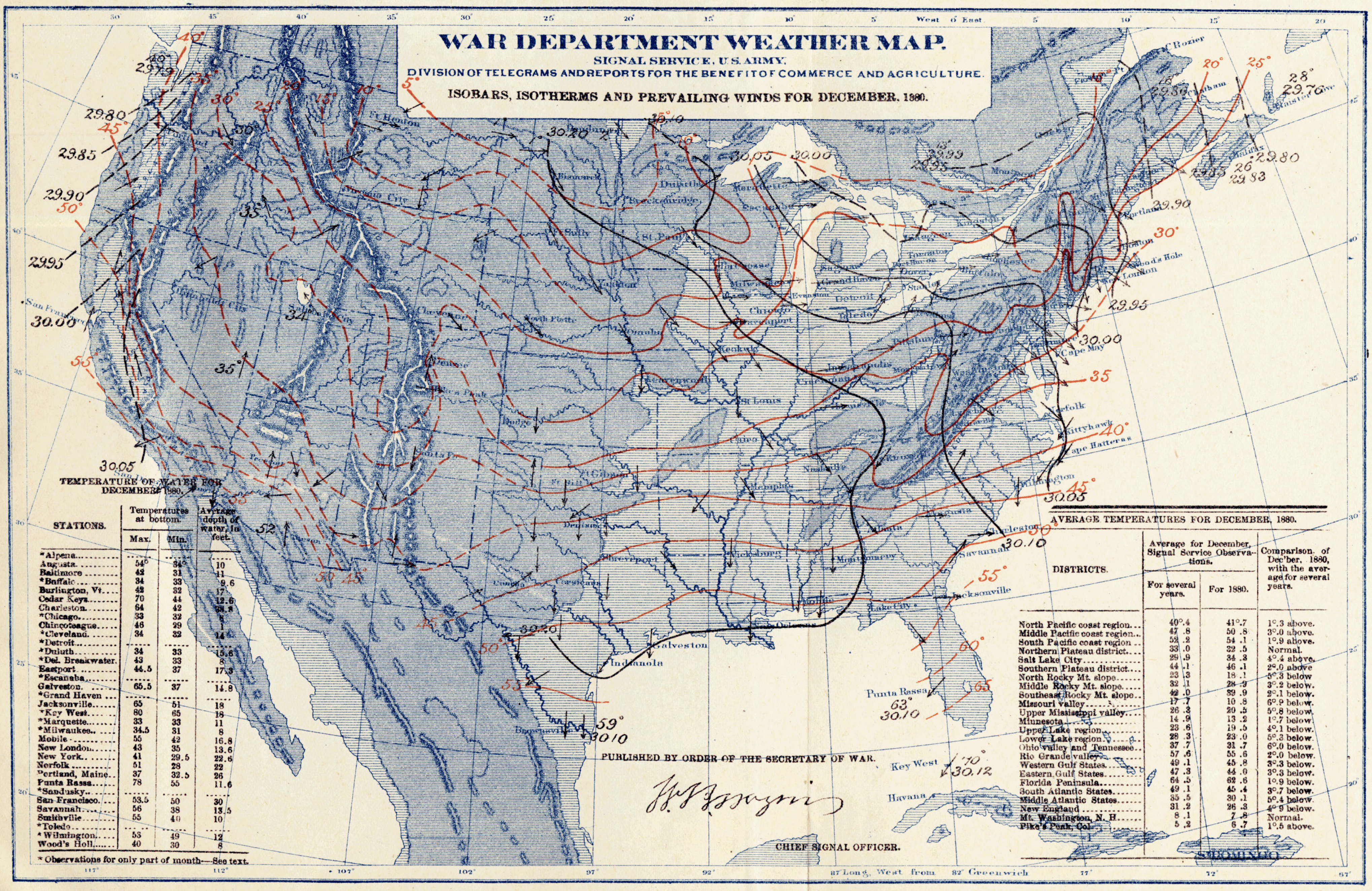
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR DECEMBER, 1880.



TEMPERATURE OF WATER FOR DECEMBER, 1880.

STATIONS.	Temperatures at bottom.		Average depth of water, in feet.
	Max.	Min.	
*Alpena	......	......	......
Augusta	54°	34°	10
Baltimore	42	31	11
*Buffalo	34	33	9.6
Burlington, Vt.	42	32	17
Cedar Keys	70	44	12.6
Charleston	64	42	38.8
*Chicago	33	32	8
Chincoteague	46	29	1
*Cleveland	34	32	14
*Detroit	......	......	......
*Duluth	34	33	15.6
*Del. Breakwater	43	33	8
Eastport	44.5	37	17.3
*Escanaba	......	......	......
Galveston	65.5	37	14.8
*Grand Haven	......	......	......
Jacksonville	65	51	18
*Key West	80	65	18
*Marquette	33	33	11
*Milwaukee	34.5	31	8
Mobile	55	42	16.8
New London	43	35	13.6
New York	41	29.5	22.6
Norfolk	51	28	22
Portland, Maine	37	32.5	26
Punta Rassa	78	55	11.6
*Sandusky	......	......	......
San Francisco	53.5	50	30
Savannah	56	38	13.5
Smithville	55	40	10
*Toledo	......	......	......
*Wilmington	53	49	12
Wood's Holl	40	30	8

* Observations for only part of month—See text.

AVERAGE TEMPERATURES FOR DECEMBER, 1880.

DISTRICTS.	Average for December, Signal Service Observations.		Comparison of Dec'ber, 1880, with the average for several years.
	For several years.	For 1880.	
North Pacific coast region	40°.4	41°.7	1°.3 above.
Middle Pacific coast region	47 .8	50 .8	3°.0 above.
South Pacific coast region	52 .2	54 .1	1°.9 above.
Northern Plateau district	33 .0	32 .5	Normal.
Salt Lake City	29 .9	34 .3	4°.4 above.
Southern Plateau district	44 .1	46 .1	2°.0 above
North Rocky Mt. slope	23 .3	18 .1	5°.3 below
Middle Rocky Mt. slope	32 .1	28 .9	3°.2 below.
Southeast Rocky Mt. slope	42 .0	39 .9	2°.1 below.
Missouri valley	17 .7	10 .8	6°.9 below.
Upper Mississippi valley	26 .3	20 .5	5°.8 below.
Minnesota	14 .9	13 .2	1°.7 below.
Upper Lake region	23 .6	19 .5	4°.1 below.
Lower Lake region	28 .3	23 .0	5°.3 below.
Ohio valley and Tennessee	37 .7	31 .7	6°.0 below.
Rio Grande valley	57 .6	55 .6	2°.0 below.
Western Gulf States	49 .1	45 .8	3°.3 below.
Eastern Gulf States	47 .3	44 .0	3°.3 below.
Florida Peninsula	64 .5	62 .6	1°.9 below.
South Atlantic States	49 .1	45 .4	3°.7 below.
Middle Atlantic States	35 .5	30 .1	5°.4 below.
New England	31 .2	26 .3	4°.9 below.
Mt. Washington, N. H.	8 .1	7 .8	Normal.
Pike's Peak, Col.	5 .2	6 .7	1°.5 above.

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W. B. Hazen

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