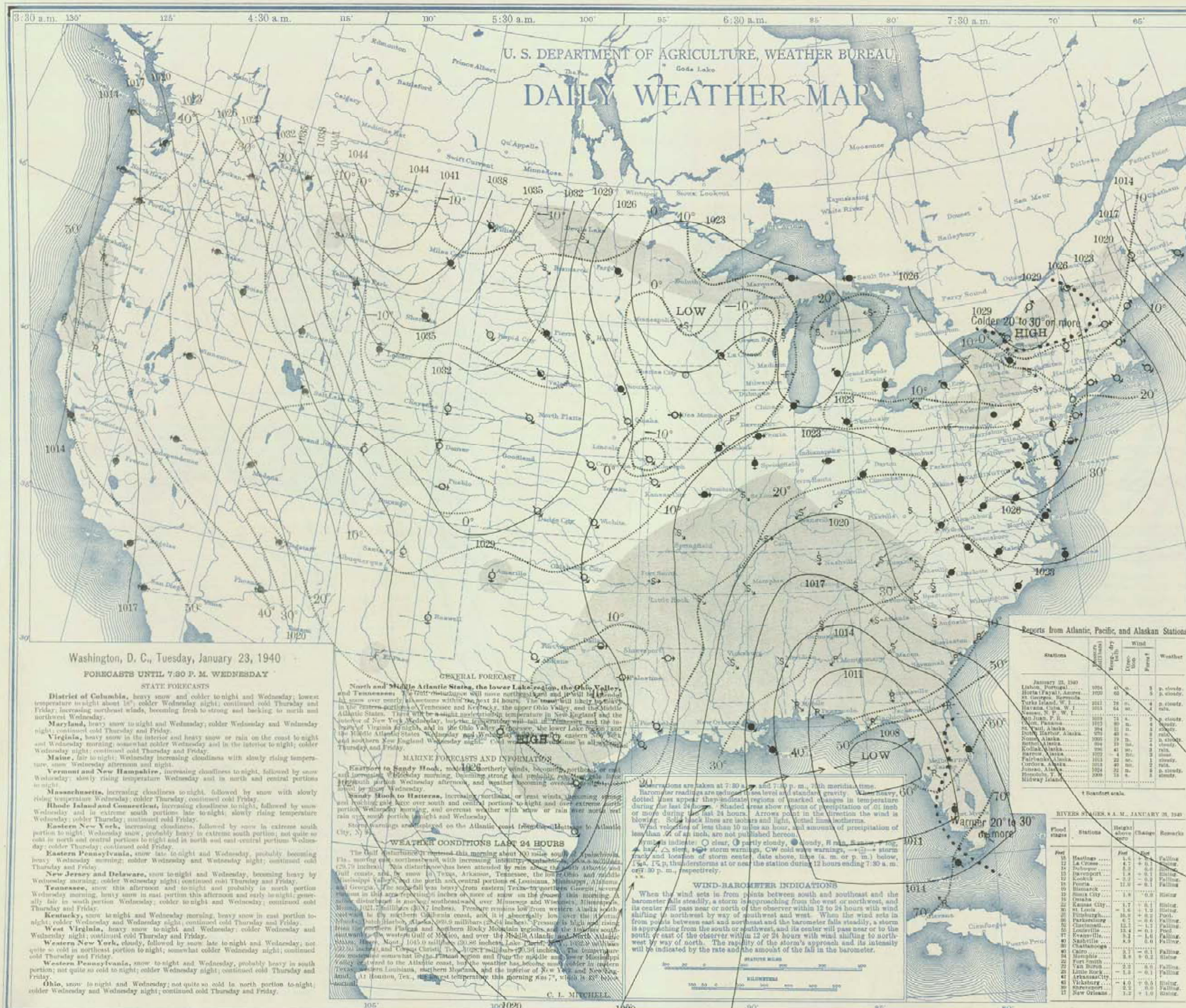
FORM MAP C

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

DAILY WEATHER MAP



Washington, D. C., Tuesday, January 23, 1940

FORECASTS UNTIL 7:30 P. M. WEDNESDAY

STATE FORECASTS

District of Columbia, heavy snow and colder to-night and Wednesday; lowest temperature to-night about 18°; colder Wednesday night; continued cold Thursday and Friday; increasing northeast winds, becoming fresh to strong and backing to north and northwest Wednesday.

Maryland, heavy snow to-night and Wednesday; colder Wednesday and Wednesday night; continued cold Thursday and Friday.

Virginia, heavy snow in the interior and heavy snow or rain on the coast to-night and Wednesday morning; somewhat colder Wednesday and in the interior to-night; colder Wednesday night; continued cold Thursday and Friday.

Maine, fair to-night; Wednesday increasing cloudiness with slowly rising temperature, snow Wednesday afternoon and night.

Vermont and New Hampshire, increasing cloudiness to-night, followed by snow Wednesday; slowly rising temperature Wednesday and in north and central portions to-night.

Massachusetts, increasing cloudiness to-night, followed by snow with slowly rising temperature Wednesday; colder Thursday; continued cold Friday.

Rhode Island and Connecticut, increasing cloudiness to-night, followed by snow Wednesday and in extreme south portions late to-night; slowly rising temperature Wednesday; colder Thursday; continued cold Friday.

Eastern New York, increasing cloudiness, followed by snow in extreme south portion to-night; Wednesday snow, probably heavy in extreme south portion; not quite so cold in north and central portions to-night and in north and east-central portions Wednesday; colder Thursday; continued cold Friday.

Eastern Pennsylvania, snow late to-night and Wednesday, probably becoming heavy Wednesday morning; colder Wednesday and Wednesday night; continued cold Thursday and Friday.

New Jersey and Delaware, snow to-night and Wednesday, becoming heavy by Wednesday morning; colder Wednesday night; continued cold Thursday and Friday.

Tennessee, snow this afternoon and to-night and probably in north portion Wednesday morning, heavy snow in east portion this afternoon and early to-night; generally fair in south portion Wednesday; colder to-night and Wednesday; continued cold Thursday and Friday.

Kentucky, snow to-night and Wednesday morning, heavy snow in east portion to-night; colder Wednesday and Wednesday night; continued cold Thursday and Friday.

West Virginia, heavy snow to-night and Wednesday; colder Wednesday and Wednesday night; continued cold Thursday and Friday.

Western New York, cloudy, followed by snow late to-night and Wednesday; not quite so cold in northeast portion to-night; somewhat colder Wednesday night; continued cold Thursday and Friday.

Western Pennsylvania, snow to-night and Wednesday, probably heavy in south portion; not quite so cold to-night; colder Wednesday night; continued cold Thursday and Friday.

Ohio, snow to-night and Wednesday; not quite so cold in north portion to-night; colder Wednesday and Wednesday night; continued cold Thursday and Friday.

GENERAL FORECAST

North and Middle Atlantic States, the lower Lake region, the Ohio Valley, and Tennessee: The Gulf disturbance will move northeastward and it will be attended by snow over nearly all sections within the next 24 hours. The snow will likely be heavy in the eastern portions of Tennessee and Kentucky, the upper Ohio Valley, and the Middle Atlantic States. There will be a slight moderation in temperature in New England and the interior of New York Wednesday, but the temperature will fall in Tennessee and the interior of Virginia to-night, and in the Ohio Valley, Tennessee, the lower Lake region, and the Middle Atlantic States Wednesday and Wednesday night, and in eastern New York and southern New England Wednesday night. Cold weather will continue in all sections Thursday and Friday.

MARINE FORECASTS AND INFORMATION

Eastport to Sandy Hook, moderate northerly winds, becoming northeast or east and increasing Wednesday morning, becoming strong and probably reaching gale force over south portion Wednesday afternoon, and weather becoming overcast, followed by snow Wednesday.

Sandy Hook to Hatteras, increasing northeast or east winds, becoming strong and reaching gale force over south and central portions to-night and over extreme north portion Wednesday morning, and overcast weather with snow or rain over north and rain over south portion to-night and Wednesday.

Storm warnings are displayed on the Atlantic coast from Cape Hatteras to Atlantic City, N. J.

WEATHER CONDITIONS LAST 24 HOURS

The Gulf disturbance is centered this morning about 100 miles south of Apalachicola, Fla., moving east-northeastward with increasing intensity, Apalachicola, Fla., 1008.5 millibars (29.79 inches). This disturbance has been attended by rain along the south Atlantic and Gulf coasts, and by snow in Texas, Arkansas, Tennessee, the lower Ohio and middle Mississippi Valleys, and the north and central portions of Louisiana, Mississippi, Alabama, and Georgia. The snowfall was heavy from eastern Texas to northern Georgia, several stations in this area reporting 6 inches or more of snow on the ground this morning. A minor disturbance is moving southeastward over Minnesota and Wisconsin, Minneapolis, Minn., 1021.7 millibars (30.17 inches). Pressure remains low from western Alaska southeastward to the northern California coast, and it is abnormally low over the Aleutian Islands, Dutch Harbor, Alaska, 969.9 millibars (28.64 inches). Pressure is high and rising from the northern Plateau and northern Rocky Mountain regions and the Dakotas southeastward to the western Gulf of Mexico, and over the Middle Atlantic and North Atlantic States, Havre, Mont., 1045.0 millibars (30.86 inches), Lake Placid, N. Y., 1029.8 millibars (30.41 inches), and Corpus Christi, Tex., 1028.1 millibars (30.36 inches). The temperature has moderated somewhat in the Plateau region and from the middle and lower Mississippi Valley eastward to the Atlantic coast, but the weather has become much colder in eastern Texas, western Louisiana, northern Montana, and the interior of New York and New England. At Houston, Tex., the lowest temperature this morning was 7°, which is 38° below normal.

C. L. MITCHELL.

Observations are taken at 7:30 a. m. and 7:30 p. m., 75th meridian time. Barometer readings are reduced to sea level and standard gravity. When heavy, dotted lines appear they indicate regions of marked changes in temperature during the last 24 hours. Shaded areas show regions of precipitation of .01 inch or more during the last 24 hours. Arrows point in the direction the wind is blowing. Solid black lines are isobars and light, dotted lines isotherms. Wind velocities of less than 10 miles an hour, and amounts of precipitation of less than .01 of an inch, are not published hereon.

Symbols indicate: ○ clear, ◐ partly cloudy, ● cloudy, R rain, S snow, F fog, ▲ hail, △ sleet, storm warnings, CW cold wave warnings, storm track and location of storm center, date above, time (a. m. or p. m.) below, T a. m., T p. m., thunderstorms at or near the station during 12 hours ending 7:30 a. m. or 7:30 p. m., respectively.

WIND-BAROMETER INDICATIONS

When the wind sets in from points between south and southeast and the barometer falls steadily, a storm is approaching from the west or northwest, and its center will pass near or north of the observer within 12 to 24 hours with wind shifting to northwest by way of southwest and west. When the wind sets in from points between east and northeast and the barometer falls steadily, a storm is approaching from the south or southwest, and its center will pass near or to the south or east of the observer within 12 or 24 hours with wind shifting to northwest by way of north. The rapidity of the storm's approach and its intensity will be indicated by the rate and the amount of the fall in the barometer.

STATUTE MILES

KILOMETERS

TUESDAY, January 23, 1940—7:30 A. M. (E. S. T.)

North latitude and International Nos.	Stations	Pressure reduced to sea level (millibars)	Temperature: At 7:30 a. m. today	Temperature: Change in 24 hours	Temperature: Highest last 24 hours	Temperature: Lowest last night	Wind velocity in miles per hour	Precipitation in last 24 hours, inches
Between lat. 45° and 50°								
734	Sault Ste Marie, Mich.	1026	11	− 3	18	7		0
743	Marquette, Mich.	1023	19	− 1	26	15		.02
745	Duluth, Minn.	1022	11	+ 4	22	4		.01
755	Fargo, N. Dak.	1025	3	+ 9	21	0		0
757	Devils Lake, N. Dak.	1029	− 4	+ 1	10	− 4	22	0
761	Miles City, Mont.	1040	− 5	+ 5	18	−12	16	0
764	Bismarck, N. Dak.	1032	2	−14	4	2	16	0
767	Williston, N. Dak.	1037	−10	0	5	−10	16	0
772	Helena, Mont.	1038	9	+10	8	− 1		.01
777	Havre, Mont.	1045	− 8	−18	12	− 9	10	0
779	Kalispell, Mont.	1032	24	+ 6	42	12	10	0
785	Spokane, Wash.	1025	27	+13	28	24		0
793	Seattle, Wash.	1018	41	+10	46	40		0
798	Tatoosh Island, Wash.	1015	43	0	48	43	35	0
Between latitudes 40° and 45°								
605	Concord, N. H.	1029	1	−12	32	5		0
606	Portland, Maine	1021	1	−15	32	5		0
608	Eastport, Maine	1010	0	− 8	24	2	22	0
617	Burlington, Vt.	1027	−10	−24	13	−14		.02
619	Greenville, Maine	1012	0	− 3	16	− 4	18	.01
620	Oswego, N. Y.	1029	2	−20	25	2		.16
622	Canton, N. Y.	1029	−12	[illegible]	13	−22		.02
635	Grand Rapids, Mich.	1023	18	− 2	22	18		0
636	Port Huron, Mich.	1022	21	− 2	26	20		0
639	Alpena, Mich.	1024	23	6	24	20		0
640	Milwaukee, Wis.	1023	1	− 4	17	0		0
642	Charles City, Iowa	1023	− 9	− 8	20	− 9		0
643	La Crosse, Wis.	1023	− 7	− 4	24	11		0
645	Green Bay, Wis.	1023	8	− 7	23	1		0
654	Huron, S. Dak.	1027	6	+11	24	0	26	0
658	Mpls.-St. P., Minn.	1022	1	[illegible]	19	− 1		0
662	Rapid City, S. Dak.	1034	− 2	− 8	[illegible]	− 3	35	0
664	Pierre, S. Dak.	1032	1	+10	19	[illegible]		0
666	Sheridan, Wyo.	1036	− 1	+13	26	− 2		0
675	Yellowstone Pk., Wyo.	1030	5	+10	15	4		0
681	Boise, Idaho	1024	28	+ 1	33	25		0
685	Baker, Oreg.	1022	26	+ 3	32	20	16	0
690	Roseburg, Oreg.	1015	37	+ 2	40	37		.01
698	Portland, Oreg.	1017	38	+ 4	41	36	10	0
Between latitudes 37° and 42°								
503	New York, N. Y.	1026	20	+ 3	32	20	10	0
504	New Haven, Conn.	1026	14	− 4	27	11		0
505	Block Island, R. I.	1024	17	− 7	31	17	22	0
506	Nantucket, Mass.	1023	11	− 9	33	12	18	0
509	Boston, Mass.	1023	10	−11	30	10	14	0
511	Harrisburg, Pa.	1027	24	− 3	30	12		0
514	Scranton, Pa.	1026	16	− 1	25	15		0
515	Binghamton, N. Y.	1025	19	0	27	19		0
517	Ithaca, N. Y.	1025	19	0	21	19		.04
518	Albany, N. Y.	1027	3	−20	28	3		0
520	Pittsburgh, Pa.	1024	12	+ 1	21	10		0
524	Cleveland, Ohio	1024	9	− 4	19	7		0
526	Erie, Pa.	1025	14	− 4	21	13	10	0
528	Buffalo, N. Y.	1025	18	− 2	23	18	10	.18
532	Peoria, Ill.	1023	12	4	21	9		0
533	Fort Wayne, Ind.	1024	10	0	21	3		0
534	Chicago, Ill.	1023	14	+ 6	21	12		0
537	Detroit, Mich.	1024	20	0	26	19		.03
541	Keokuk, Iowa	1023	19	+ 6	20	7		0
545	Davenport, Iowa	1024	6	− 1	20	5		0
546	Des Moines, Iowa	1023	− 2	− 4	22	− 4	10	0
553	Omaha, Nebr.	1027	1	+ 3	15	− 5	10	0
557	Sioux City, Iowa	1027	2	− 3	22	− 1	10	0
562	North Platte, Nebr.	1030	2	−20	18	2	10	0
564	Cheyenne, Wyo.	1029	4	+ 2	24	− 3		0
567	Valentine, Nebr.	1031	− 1	+ 3	21	− 1	22	0
572	Salt Lake City, Utah	1025	21	+ 7	28	19		0
576	Lander, Wyo.	1035	−10	+ 1	6	−10		0
578	Pocatello, Idaho	1027	14	+15	34	12		0
583	Winnemucca, Nev.	1030	24	0	34	20		0
592	Redding, Calif.	1018	40	+ 4	46	39		.10
594	Eureka, Calif.	1012	54	+ 8	56	51		.01
Between latitudes 35° and 40°								
401	Richmond, Va.	1026	24	+ 2	46	22		0
405	WASHINGTON, D. C.	1026	25	+ 5	40	22	10	0
406	Baltimore, Md.	1027	29	− 2	37	18		0
407	Atlantic City, N. J.	1026	20	0	32	19	16	0
408	Philadelphia, Pa.	1026	23	+ 5	31	21	10	0
410	Lynchburg, Va.	1025	26	+ 1	45	24	10	0
413	Pikeville, Ky.	1020	26	+12	40	27		0
417	Elkins, W. Va.	1024	11	− 1	30	8		0
425	Louisville, Ky.	1021	22	+16	29	22		0
426	Cincinnati, Ohio	1022	21	+11	31	18		0
427	Parkersburg, W. Va.	1023	13	+ 1	31	14		0
428	Columbus, Ohio	1023	14	+ 9	25	8		0
432	Evansville, Ind.	1024	22	+13	29	22	10	.04
434	St. Louis, Mo.	1023	17	+13	23	3		.02
438	Indianapolis, Ind.	1022	19	+13	26	17		0
439	Springfield, Ill.	1022	14	+12	21	8		0
440	Springfield, Mo.	1023	14	+ 6	23	14		.08
445	Columbia, Mo.	1023	13	−15	22	14		0
446	Kansas City, Mo.	1024	7	+ 6	22	6		0
449	St. Joseph, Mo.	1025	−12	− 3	23	−18	26	0
450	Wichita, Kans.	1025	6	− 3	20	6	18	0
451	Dodge City, Kans.	1029	3	0	25	2	20	0
458	Concordia, Kans.	1028	5	+ 6	13	0	20	0
464	Pueblo, Colo.	1032	− 7	+ 4	30	− 7		0
469	Denver, Colo.	1027	6	− 5	32	2	10	0
473	Modena, Utah	1027	18	+ 2	35	17		0
476	Grand Junction, Colo.	1028	8	0	28	7	28	0
485	Tonopah, Nev.	1018	31	+ 8	39	30	10	0
494	San Francisco, Calif.	1014	45	+ 3	46	43	10	.03
Between latitudes 30° and 35°								
303	Wilmington, N. C.	1022	30	+13	48	34	10	0
304	Hatteras, N. C.	1023	35	+ 2	42	32		0
306	Raleigh, N. C.	1023	28	+ 6	47	23		0
307	Cape Henry, Va.	1025	31	+ 6	41	32	22	0
310	Columbia, S. C.	1020	34	+15	50	31	10	0
313	Spartanburg, S. C.	1020	34	+13	40	32	10	0
314	Charlotte, N. C.	1021	34	+16	50	30	10	0
315	Asheville, N. C.	1020	27	+13	41	25	26	0
323	Wytheville, Va.	1021	22	+ 8	32	18		0
324	Chattanooga, Tenn.	1017	26	+14	40	28		.13
326	Knoxville, Tenn.	1017	27	+12	37	27	10	.05
327	Nashville, Tenn.	1018	26	+14	34	25	10	.23
334	Memphis, Tenn.	1019	23	+ 1	33	23	10	.11
338	Cairo, Ill.	1020	22	+ 9	24	23	10	.18
340	Little Rock, Ark.	1021	20	+ 1	33	13		.28
344	Fort Smith, Ark.	1024	16	+ 3	21	16		.08
353	Oklahoma City, Okla.	1024	11	+ 4	24	17	10	0
363	Amarillo, Tex.	1027	11	0	26	6	16	.01
366	Santa Fe, N. Mex.	1025	7	− 4	23	7	10	0
375	Flagstaff, Ariz.	1018	20	+ 9	40	17		0
389	Fresno, Calif.	1016	44	+ 8	47	40	10	0
Below latitude 30°								
201	Key West, Fla.	1013	71	+14	71	20	26	.01
202	Miami, Fla.	1012	70	+29	70	60		0
206	Jacksonville, Fla.	1012	50	+19	50	43	16	.80
207	Savannah, Ga.	1017	30	+14	49	36	10	.14
208	Charleston, S. C.	1018	41	+13	46	38	16	.66
210	Fort Myers, Fla.	1010	63	+23	64	62		.04
211	Tampa, Fla.	1010	56	+29	56	48	22	.33
213	Thomasville, Ga.	1012	39	+20	47	35	10	.20
217	Macon, Ga.	1016	31	+12	47	31	10	.02
218	Augusta, Ga.	1020	33	+ 9	50	32	10	.15
219	Atlanta, Ga.	1014	32	+13	41	30	16	.53
220	Apalachicola, Fla.	1008	41	+19	59	40	31	.28
222	Pensacola, Fla.	1010	39	+ 9	42	33	10	.01
223	Mobile, Ala.	1012	34		45	33	10	.56
226	Montgomery, Ala.	1011	33	+13	42	31		.35
228	Birmingham, Ala.	1014	33	+16	43	30	10	.40
231	New Orleans, La.	1017	31	− 2	38	31	29	1.15
234	Meridian, Miss.	1014	29	+10	37	28		.28
236	Vicksburg, Miss.	1019	22	− 4	30	22	10	1.14
241	Port Arthur, Tex.	1026	18	−16	34	18	16	.32
242	Galveston, Tex.	1026	17	−19	35	25		.43
247	Palestine, Tex.	1029	9	−21	23	9		.33
248	Shreveport, La.	1028	11	−15	27	11	10	.43
250	Brownsville, Tex.	1029	25	− 9	35	25		.24
251	Corpus Christi, Tex.	1028	20	−13	33	19		.28
255	San Antonio, Tex.	1027	16	− 7	30	15	10	.08
258	Dallas, Tex.	1027	7	−10	25	6		.16
261	Del Rio, Tex.	1028	24	− 5	35	24		.03
266	Abilene, Tex.	1028	15	− 2	27	8		0
268	Roswell, N. Mex.	1027	16	− 5	38	12		0
270	El Paso, Tex.	1026	18	− 2	33	11		.01
278	Phoenix, Ariz.	1020	42	+ 1	60	38	10	0
290	San Diego, Calif.	1017	53	+ 4	65	52		0
295	Los Angeles, Calif.	1017	54	+ 2	66	54		0

Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure (millibars)	Temp., dry bulb	Wind: Direction	Wind: Force†	Weather
January 23, 1940					
Lisbon, Portugal	1024	45	n.	3	p. cloudy.
Horta (Fayal), Azores	1020	63	w.	5	p. cloudy.
St. Georges, Bermuda					
Turks Island, W. I.	1017	78	e.	4	p. cloudy.
Havana, Cuba, W. I.	1015	64	se.	4	rain.
Nassau, N. P., W. I.					
San Juan, P. R.	1019	75	s.	2	p. cloudy.
Colon, Panama	1013	80	n.	4	cloudy.
St. Paul, Alaska	994	31	n.	3	cloudy.
Dutch Harbor, Alaska	970	40	e.	8	rain.
Nome, Alaska	1005	19	n.	2	p. cloudy.
Bethel, Alaska	994	19	ne.	4	cloudy.
Kodiak, Alaska	996	41	se.	3	rain.
Barrow, Alaska	1022	− 4	ne.	3	clear.
Fairbanks, Alaska	1013	22	se.	1	cloudy.
Cordova, Alaska	1013	40	ne.	2	rain.
Juneau, Alaska	1024	32	n.	5	p. cloudy.
Honolulu, T. H.	2009	73	e.	3	cloudy.
Midway Island					

† Beaufort scale.

RIVERS STAGES, 8 A. M., JANUARY 23, 1940

Flood stages	Stations	Height above zero	Change	Remarks
Feet		Feet	Feet	
18	Hastings	1.6	+ 0.1	Falling.
12	La Crosse	4.7	+ 0.1	Rising.
18	Dubuque	5.3	0.0	Rising.
15	Davenport	1.8	+ 0.1	Rising.
12	Keokuk	− 3.3	− 0.2	Falling.
18	Peoria	11.0	− 0.1	Falling.
19	Bismarck			
19	Sioux City	1.8	0.0	Rising.
18	Omaha			
22	Kansas City	1.7	+ 0.1	Rising.
30	St. Louis	− 1.6	+ 1.2	Rising.
25	Pittsburgh	16.9	+ 0.2	Pool.
36	Parkersburg	6.7	− 0.6	Falling.
52	Cincinnati	12.1	− 1.1	Falling.
55	Louisville	13.4	− 0.1	Pool.
37	Evansville	5.1	− 1.6	Falling.
40	Nashville	8.9	0.0	Falling.
30	Chattanooga			
40	Cairo	3.7	− 0.1	Falling.
34	Memphis	3.8	+ 0.2	Rising.
22	Fort Smith			
22	Van Buren	2.2	0.0	Falling.
23	Little Rock	− 1.3	− 0.1	Falling.
42	Arkansas City			
43	Vicksburg	− 4.0	+ 0.5	Rising.
30	Shreveport	2.2	0.0	Falling.
17	New Orleans	1.2	+ 1.0	Rising.

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(Mbs) 948 952 956 960 964 968 972 976 980 984 988 992 996 1000 1004 1008 1012 1016 1020 1024 1028 1032 1036 1040 1044 1048 1052 1056

(Ins.) 28.0 0.1 0.2 0.3 0.4 28.5 0.6 0.7 0.8 0.9 29.0 0.1 0.2 0.3 0.4 29.5 0.6 0.7 0.8 0.9 30.0 0.1 0.2 0.3 0.4 30.5 0.6 0.7 0.8 0.9 31.0 1.1 1.2