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METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR FEBRUARY 1946

AEROLOGICAL OBSERVATIONS

[For description of change in Table 1 and charts, see REVIEW, January 1946, p. 6]

TABLE 1.—*Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during February 1946*

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Albany, N. Y. (1,004.5 mb.)				Albuquerque, N. Mex. (836.6 mb.)				Apalachicola, Fla. (1,020.2 mb.)				Atlanta, Ga. (985.4 mb.)				Big Spring, Tex. (927.8 mb.)				Bismarck, N. Dak. (954.1 mb.)				Boise, Idaho (917.4 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	28	93	−6.2	72	28	1,620	4.8	37	28	5	12.8	79	28	300	7.0	62	27	774	8.1	52	28	505	−10.9	85	28	868	1.0	77
1,000	28	127	(*)	----	28	132	(*)	----	28	173	13.8	67	28	176	(*)	----	27	143	(*)	----	28	140	(*)	----	28	167	(*)	----
950	28	528	−8.2	71	28	566	(*)	----	28	605	11.8	60	28	605	8.4	52	27	571	(*)	----	28	537	−11.3	84	28	588	(*)	----
900	28	945	−9.0	71	28	1,015	(*)	----	28	1,056	10.3	54	28	1,046	6.7	47	27	1,025	9.7	44	28	955	−7.8	79	28	1,022	(*)	----
850	28	1,386	−9.8	68	28	1,488	(*)	----	28	1,530	8.7	----	28	1,514	4.7	42	27	1,498	8.0	37	28	1,402	−6.2	68	28	1,481	−0.4	62
800	28	1,853	−11.3	66	28	1,984	4.2	36	28	2,030	7.5	----	28	2,006	3.0	44	27	1,996	5.9	33	28	1,875	−6.8	58	28	1,963	−3.4	64
750	28	2,354	−12.2	62	28	2,506	0.4	38	28	2,559	5.0	----	28	2,534	1.1	41	27	2,527	3.2	31	28	2,382	−9.1	58	28	2,475	−6.6	67
700	28	2,873	−13.9	54	28	3,055	−3.3	39	28	3,118	1.8	----	28	3,079	−1.7	40	27	3,077	0.0	----	28	2,909	−12.2	59	28	3,007	−9.5	67
650	28	3,438	−16.6	56	27	3,643	−7.0	38	28	3,708	−1.9	----	27	3,668	−4.9	----	27	3,670	−3.9	----	28	3,478	−15.5	62	28	3,580	−13.2	70
600	28	4,030	−19.6	55	27	4,263	−11.3	42	28	4,343	−5.7	----	27	4,291	−8.6	----	26	4,292	−8.1	----	28	4,072	−19.2	65	28	4,181	−16.9	67
550	28	4,674	−23.0	----	27	4,928	−14.9	----	27	5,019	−9.7	----	27	4,960	−12.7	----	26	4,959	−12.6	----	28	4,717	−23.2	----	28	4,834	−21.3	----
500	28	5,364	−27.1	----	27	5,640	−20.3	----	27	5,756	−14.2	----	27	5,681	−17.5	----	26	5,683	−17.8	----	28	5,406	−28.0	----	27	5,529	−25.7	----
450	28	6,124	−31.5	----	27	6,416	−26.2	----	27	6,544	−19.4	----	27	6,470	−22.9	----	26	6,467	−23.2	----	28	6,160	−33.4	----	27	6,293	−30.5	----
400	28	6,943	−37.0	----	27	7,255	−32.5	----	26	7,409	−25.7	----	27	7,315	−29.1	----	26	7,315	−29.5	----	28	6,972	−39.1	----	27	7,113	−36.5	----
350	28	7,854	−43.0	----	27	8,182	−39.5	----	26	8,362	−33.1	----	27	8,256	−35.6	----	25	8,259	−36.3	----	28	7,875	−45.5	----	27	8,025	−43.4	----
300	28	8,878	−49.0	----	27	9,220	−46.7	----	26	9,426	−41.5	----	27	9,309	−43.7	----	25	9,311	−43.7	----	28	8,890	−50.9	----	27	9,045	−50.3	----
250	26	10,063	−54.0	----	27	10,406	−54.8	----	26	10,635	−51.5	----	27	10,510	−52.6	----	19	10,522	−51.4	----	27	10,071	−54.6	----	25	10,227	−56.1	----
200	23	11,483	−53.6	----	25	11,824	−56.5	----	25	12,050	−58.8	----	26	11,934	−57.9	----	17	11,955	−56.2	----	17	11,497	−52.7	----	23	11,651	−57.4	----
175	21	12,332	−51.4	----	19	12,669	−55.4	----	22	12,890	−60.8	----	23	12,781	−58.8	----	13	12,810	−58.0	----	14	12,349	−52.0	----	16	12,472	−53.1	----
150	19	13,334	−52.3	----	12	13,689	−56.3	----	20	13,846	−63.6	----	18	13,745	−59.5	----	10	13,764	−58.1	----	11	13,352	−51.5	----	14	13,445	−52.5	----
125	10	14,506	−53.7	----	----	------	------	----	7	14,973	−66.5	----	7	14,893	−61.3	----	----	------	------	----	7	14,510	−52.5	----	5	14,640	−54.6	----
100	5	15,919	−55.0	----	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----	6	15,947	−53.8	----	----	------	------	----

Standard pressure surface (mb.)	Brownsville, Tex. (1,017.2 mb.)				Buffalo, N. Y. (988.4 mb.)				Burrwood, La. (1,020.4 mb.)				Caribou, Maine. (988.5 mb.)				Charleston, S. C. (1,019.0 mb.)				Ciudad Victoria, Mexico (977.1 mb.)				Clovis, N. Mex. (867.2 mb.)			
Surface	28	6	17.1	84	28	221	−4.9	82	27	2	12.9	88	28	191	−13.9	84	27	14	9.8	77	27	335	19.8	54	28	1,306	4.0	44
1,000	28	151	16.8	80	28	128	(*)	----	27	171	13.5	82	28	101	(*)	----	27	171	11.4	68	27	134	(*)	----	28	122	(*)	----
950	28	593	15.0	74	28	537	−6.2	82	27	608	11.4	76	28	493	−13.5	81	27	604	9.8	62	27	581	18.6	54	28	556	(*)	----
900	28	1,045	13.3	64	28	952	−7.2	77	27	1,055	10.6	62	28	910	−14.8	78	27	1,046	7.2	55	27	1,039	15.5	57	28	1,005	(*)	----
850	28	1,525	11.4	58	28	1,396	−8.6	76	27	1,530	9.7	48	28	1,334	−14.5	74	27	1,515	5.7	49	27	1,521	12.5	62	28	1,470	6.3	40
800	28	2,030	9.8	54	28	1,865	−9.9	73	27	2,032	8.2	48	28	1,793	−14.3	69	27	2,010	4.2	37	27	2,029	10.5	64	28	1,966	4.9	33
750	28	2,572	7.6	52	28	2,366	−11.9	69	27	2,568	5.5	46	28	2,288	−14.8	68	27	2,540	2.2	----	27	2,568	8.5	62	28	2,493	1.9	29
700	28	3,131	4.8	48	28	2,887	−13.7	61	27	3,122	2.2	50	28	2,803	−16.5	69	27	3,088	−0.8	----	27	3,133	6.4	53	28	3,042	−1.5	28
650	27	3,730	0.8	44	28	3,457	−16.1	56	27	3,720	−1.4	49	28	3,360	−18.8	72	26	3,680	−3.8	----	27	3,737	2.4	51	28	3,631	−5.2	----
600	27	4,367	−4.0	46	28	4,048	−18.6	51	27	4,349	−5.4	----	28	3,950	−21.9	----	26	4,303	−7.5	----	27	4,380	−2.0	49	28	4,252	−9.4	----
550	27	5,048	−8.7	51	27	4,699	−22.5	----	27	5,030	−9.5	----	28	4,584	−25.4	----	25	4,974	−11.3	----	27	5,065	−6.5	50	28	4,922	−13.8	----
500	27	5,780	−13.0	----	27	5,389	−27.0	----	26	5,756	−14.1	----	28	5,272	−29.7	----	25	5,699	−15.8	----	26	5,806	−10.7	----	28	5,634	−19.4	----
450	27	6,578	−18.6	----	27	6,148	−31.7	----	26	6,556	−19.6	----	28	6,021	−34.2	----	25	6,488	−21.1	----	26	6,612	−16.1	----	28	6,418	−25.2	----
400	27	7,441	−25.0	----	27	6,966	−36.9	----	26	7,413	−25.8	----	28	6,831	−39.0	----	25	7,345	−27.2	----	26	7,486	−22.5	----	28	7,253	−31.4	----
350	27	8,397	−32.4	----	26	7,869	−42.9	----	24	8,360	−33.5	----	28	7,734	−44.8	----	23	8,297	−33.9	----	26	8,450	−29.8	----	28	8,185	−38.2	----
300	27	9,463	−40.9	----	22	8,902	−48.7	----	21	9,417	−41.5	----	28	8,751	−50.2	----	23	9,359	−41.8	----	26	9,526	−38.3	----	28	9,228	−45.6	----
250	27	10,678	−49.8	----	21	10,085	−53.0	----	16	10,605	−50.7	----	24	9,939	−51.9	----	20	10,571	−50.9	----	26	10,775	−47.8	----	28	10,419	−53.7	----
200	27	12,111	−56.5	----	12	11,431	−50.7	----	13	12,042	−57.9	----	21	11,384	−50.7	----	17	11,993	−58.0	----	25	12,196	−56.5	----	24	11,841	−56.3	----
175	26	12,952	−59.6	----	12	12,304	−49.6	----	13	12,878	−60.4	----	21	12,253	−50.5	----	14	12,826	−59.0	----	24	13,034	−59.7	----	24	12,687	−56.8	----
150	23	13,918	−62.3	----	11	13,308	−50.6	----	8	13,832	−62.8	----	15	13,265	−49.7	----	12	13,775	−60.4	----	21	14,002	−62.5	----	22	13,661	−57.7	----
125	11	15,018	−66.9	----	7	14,493	−51.9	----	5	14,961	−67.5	----	10	14,489	−50.2	----	8	14,902	−62.3	----	13	15,131	−66.3	----	14	14,820	−59.7	----
100	----	------	------	----	7	15,922	−53.7	----	----	------	------	----	7	15,946	−53.7	----	----	------	------	----	5	16,462	−70.4	----	9	16,206	−62.5	----

See footnote at end of table.

TABLE 1.—*Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during February 1946*—Continued

Standard pressure surface (mb.)	Columbia, Mo. (988.8 mb.)				Denver, Colo. (834.5 mb.)				Dodge City, Kans. (923.7 mb.)				El Paso, Tex. (881.5 mb.)				Ely, Nev. (807.7 mb.)				Fort Worth, Tex. (993.5 mb.)				Glasgow, Mont. (937.2 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	28	234	2.8	63	28	1,616	0.6	53	28	787	4.2	47	27	1,195	9.4	24	28	1,908	−3.6	70	28	211	11.0	63	27	648	−8.2	82
1,000	28	142	(*)	----	28	128	(*)	----	28	129	(*)	----	27	127	(*)	----	28	178	(*)	----	28	158	(*)	----	27	137	(*)	----
950	28	561	3.2	53	28	559	(*)	----	28	556	(*)	----	27	567	(*)	----	28	603	(*)	----	28	584	10.9	56	27	546	(*)	----
900	28	994	1.2	51	28	1,004	(*)	----	28	999	6.6	40	27	1,029	(*)	----	28	1,042	(*)	----	27	1,034	8.5	57	27	964	−4.4	74
850	28	1,452	−0.6	46	28	1,466	(*)	----	28	1,467	4.5	37	27	1,498	10.4	21	28	1,500	(*)	----	27	1,505	6.6	52	27	1,414	−4.6	62
800	28	1,934	−2.7	40	28	1,957	2.3	38	28	1,958	1.6	36	27	1,999	6.9	23	28	1,984	−1.0	59	27	2,001	5.2	40	27	1,890	−6.5	56
750	28	2,449	−4.4	38	28	2,476	−1.4	39	28	2,479	−1.0	34	27	2,530	3.2	23	28	2,504	−3.0	49	27	2,529	3.0	----	27	2,396	−9.6	61
700	28	2,985	−7.0	41	28	3,020	−5.6	43	28	3,022	−4.5	37	27	3,080	−0.3	----	28	3,041	−6.9	55	27	3,081	−0.4	----	27	2,921	−12.9	60
650	28	3,564	−9.7	38	27	3,599	−9.7	46	28	3,606	−8.1	39	27	3,673	−4.4	----	28	3,620	−10.3	57	27	3,672	−3.9	----	27	3,488	−16.1	61
600	28	4,173	−13.2	41	27	4,211	−13.9	47	28	4,218	−11.8	37	27	4,294	−8.9	----	28	4,228	−13.8	58	27	4,297	−7.8	----	27	4,080	−20.1	65
550	28	4,830	−17.4	42	27	4,867	−18.3	45	28	4,881	−16.2	----	27	4,966	−13.8	----	28	4,887	−17.8	52	27	4,972	−12.2	----	27	4,724	−24.2	----
500	28	5,537	−22.4	----	27	5,571	−23.3	----	28	5,591	−21.4	----	27	5,679	−18.8	----	28	5,591	−22.7	----	27	5,690	−17.7	----	27	5,408	−28.6	----
450	28	6,307	−27.8	----	27	6,339	−28.8	----	28	6,366	−26.9	----	27	6,464	−24.4	----	28	6,363	−27.9	----	26	6,473	−23.0	----	27	6,160	−33.7	----
400	28	7,138	−33.8	----	27	7,167	−35.0	----	28	7,198	−33.1	----	27	7,304	−30.6	----	28	7,192	−33.9	----	26	7,324	−29.2	----	27	6,971	−39.5	----
350	28	8,060	−40.6	----	27	8,084	−42.5	----	28	8,123	−40.0	----	27	8,239	−37.5	----	28	8,114	−40.8	----	26	8,263	−36.1	----	25	7,866	−45.8	----
300	27	9,087	−47.9	----	26	9,112	−50.0	----	26	9,164	−47.3	----	27	9,286	−45.0	----	27	9,140	−48.6	----	26	9,316	−43.6	----	23	8,863	−51.8	----
250	24	10,267	−54.7	----	26	10,285	−57.2	----	26	10,347	−55.0	----	27	10,483	−52.7	----	25	10,321	−55.8	----	26	10,519	−51.8	----	22	10,040	−54.5	----
200	12	11,664	−55.5	----	24	11,688	−58.1	----	20	11,773	−58.2	----	27	11,908	−56.6	----	16	11,702	−56.6	----	23	11,946	−56.8	----	21	11,467	−51.2	----
175	10	12,504	−52.4	----	22	12,523	−56.6	----	12	12,611	−54.9	----	27	12,751	−57.9	----	13	12,559	−54.9	----	21	12,784	−57.7	----	16	12,327	−49.1	----
150	7	13,482	−52.6	----	18	13,510	−55.0	----	6	13,577	−52.9	----	20	13,724	−58.8	----	9	13,527	−55.3	----	17	13,752	−58.9	----	15	13,333	−49.9	----
125	6	14,664	−54.8	----	17	14,667	−56.7	----	----	----	----	----	13	14,863	−62.0	----	6	14,718	−57.2	----	12	14,898	−60.7	----	6	14,507	−50.6	----
100	----	----	----	----	10	16,082	−58.3	----	----	----	----	----	----	----	----	----	----	----	----	----	5	16,268	−63.1	----	----	----	----	----

Standard pressure surface (mb.)	Grand Junction, Colo. (858.6 mb.)				Great Falls, Mont. (882.8 mb.)				Green Bay, Wis. (993.4 mb.)				Greensboro, N. C. (986.6 mb.)				Hatteras, N. C. (1,019.6 mb.)				Havana, Cuba [1] (.... mb.)				Huntington, W. Va. (997.4 mb.)			
Surface	27	1,414	1.2	52	28	1,128	−0.7	58	27	182	−7.0	70	28	273	5.0	63	27	3	8.1	80	----	----	----	----	27	172	2.7	66
1,000	27	165	(*)	----	28	115	(*)	----	27	128	(*)	----	28	161	(*)	----	27	162	8.5	64	----	----	----	----	27	149	(*)	----
950	27	590	(*)	----	28	537	(*)	----	27	533	−8.2	72	28	582	5.8	50	27	586	7.0	59	----	----	----	----	27	571	2.3	60
900	27	1,034	(*)	----	28	975	(*)	----	27	947	−9.0	67	28	1,022	3.6	51	27	1,029	4.6	55	----	----	----	----	27	1,000	0.4	62
850	27	1,494	1.7	49	28	1,431	−0.4	52	27	1,389	−9.1	59	28	1,484	1.0	53	27	1,493	2.7	53	----	----	----	----	27	1,456	−2.1	67
800	27	1,982	0.0	40	28	1,913	−3.6	54	27	1,858	−9.3	52	28	1,969	−1.0	53	27	1,981	0.9	48	----	----	----	----	27	1,936	−4.0	64
750	27	2,500	−3.1	43	28	2,423	−7.3	61	27	2,362	−10.7	44	27	2,487	−2.9	44	27	2,499	−1.0	47	----	----	----	----	27	2,448	−5.9	64
700	27	3,038	−6.9	49	28	2,954	−10.6	65	27	2,884	−12.8	41	27	3,027	−5.4	----	27	3,047	−3.4	44	----	----	----	----	27	2,982	−8.5	73
650	27	3,615	−10.5	55	28	3,526	−14.6	68	27	3,454	−15.5	43	27	3,609	−8.4	----	27	3,628	−6.7	46	----	----	----	----	27	3,558	−11.0	68
600	27	4,223	−14.0	54	28	4,121	−19.0	69	27	4,047	−18.8	50	27	4,222	−11.8	----	27	4,250	−9.9	----	----	----	----	----	27	4,164	−14.5	58
550	27	4,877	−18.2	----	28	4,765	−23.3	----	27	4,693	−22.6	----	27	4,886	−16.0	----	27	4,912	−14.1	----	----	----	----	----	27	4,821	−18.4	60
500	26	5,584	−23.0	----	28	5,455	−28.1	----	27	5,383	−27.0	----	27	5,595	−20.5	----	27	5,633	−18.8	----	----	----	----	----	26	5,536	−22.1	----
450	26	6,354	−28.4	----	28	6,208	−33.1	----	27	6,141	−31.9	----	27	6,374	−25.8	----	27	6,413	−23.9	----	----	----	----	----	26	6,308	−27.3	----
400	26	7,181	−34.6	----	28	7,022	−38.5	----	27	6,959	−37.7	----	27	7,209	−31.8	----	26	7,263	−30.0	----	----	----	----	----	25	7,143	−33.0	----
350	24	8,107	−41.6	----	27	7,930	−45.0	----	26	7,867	−43.9	----	27	8,139	−38.5	----	26	8,201	−36.8	----	----	----	----	----	25	8,069	−39.8	----
300	23	9,130	−48.8	----	27	8,944	−51.4	----	26	8,887	−50.1	----	26	9,185	−45.7	----	26	9,249	−44.5	----	----	----	----	----	24	9,103	−47.0	----
250	23	10,308	−55.7	----	24	10,122	−56.2	----	25	10,061	−54.5	----	25	10,381	−53.3	----	25	10,453	−52.5	----	----	----	----	----	24	10,293	−53.2	----
200	19	11,704	−56.3	----	16	11,491	−52.8	----	21	11,491	−52.8	----	22	11,795	−57.9	----	23	11,859	−58.1	----	----	----	----	----	24	11,718	−55.5	----
175	16	12,562	−54.0	----	14	12,351	−51.2	----	19	12,356	−52.0	----	15	12,655	−58.0	----	19	12,691	−58.1	----	----	----	----	----	20	12,557	−54.9	----
150	10	12,534	−54.9	----	13	13,349	−50.5	----	18	13,350	−51.6	----	8	13,605	−57.9	----	19	13,659	−59.0	----	----	----	----	----	14	13,536	−55.3	----
125	----	----	----	----	8	14,548	−51.5	----	16	14,525	−53.4	----	6	14,743	−61.4	----	8	14,753	−59.2	----	----	----	----	----	8	14,687	−57.2	----
100	----	----	----	----	----	----	----	----	9	15,937	−54.5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
80	----	----	----	----	----	----	----	----	7	17,372	−55.6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	International Falls, Minn. (972.9 mb.)				Joliet, Ill. (994.5 mb.)				Lake Charles, La. (1,020.2 mb.)				Lander, Wyo. (833.2 mb.)				Las Vegas, Nev. (950.3 mb.)				Little Rock, Ark. (1,009.5 mb.)				Louisville, Ky. (998.0 mb.)			
Surface	27	343	−15.4	86	28	178	−2.7	78	27	5	11.8	83	28	1,632	−2.3	60	28	574	9.3	28	28	79	8.3	67	28	165	3.5	64
1,000	27	133	(*)	----	28	133	(*)	----	27	169	12.7	69	28	151	(*)	----	28	145	(*)	----	28	157	8.9	62	28	148	(*)	----
950	27	524	−15.6	87	28	541	−3.9	74	27	607	10.5	66	28	575	(*)	----	28	581	(*)	----	28	584	7.7	58	28	564	3.0	57
900	27	929	−16.1	86	28	966	−4.3	65	27	1,052	9.3	51	28	1,013	(*)	----	28	1,026	9.9	24	28	1,026	5.2	58	28	1,000	0.9	56
850	27	1,361	−14.0	78	28	1,415	−5.3	62	27	1,525	8.3	42	28	1,472	(*)	----	28	1,498	6.5	26	28	1,491	3.5	54	28	1,458	−0.6	52
800	27	1,822	−13.2	71	28	1,891	−5.8	52	27	2,024	6.9	45	28	1,957	−1.3	48	28	1,992	2.9	28	28	1,982	1.9	54	28	1,941	−2.2	49
750	27	2,321	−14.5	66	28	2,400	−7.5	51	27	2,560	4.9	41	28	2,469	−4.6	48	28	2,515	−0.5	30	28	2,506	0.1	46	28	2,451	−4.3	49
700	27	2,834	−16.6	62	28	2,930	−10.0	48	27	3,113	2.2	36	28	3,007	−8.2	52	28	3,048	−3.7	30	28	3,052	−2.3	41	28	2,993	−6.9	49
650	27	3,395	−19.0	60	28	3,502	−12.7	51	26	3,708	−1.3	39	28	3,582	−12.1	58	28	3,641	−7.3	34	28	3,641	−5.4	----	28	3,568	−10.0	43
600	27	3,980	−22.4	----	28	4,106	−16.1	50	26	4,341	−5.2	----	28	4,186	−16.2	59	28	4,259	−11.2	38	28	4,260	−9.1	----	27	4,179	−13.8	----
550	27	4,615	−26.3	----	28	4,757	−20.0	53	26	5,019	−9.8	----	28	4,839	−20.3	57	28	4,919	−15.6	39	28	4,932	−13.4	----	27	4,835	−17.5	----
500	27	5,296	−30.8	----	28	5,458	−24.5	----	26	5,748	−14.4	----	28	5,535	−24.9	----	28	5,634	−20.7	39	28	5,646	−18.0	----	27	5,542	−22.2	----
450	27	6,048	−35.7	----	28	6,220	−29.8	----	26	6,545	−20.2	----	28	6,300	−30.6	----	28	6,406	−26.4	----	28	6,435	−23.4	----	27	6,308	−27.6	----
400	27	6,847	−41.1	----	23	7,054	−35.2	----	26	7,401	−26.3	----	27	7,126	−36.6	----	28	7,245	−32.8	----	28	7,277	−29.6	----	26	7,142	−33.4	----
350	27	7,741	−47.0	----	26	7,972	−41.8	----	25	8,353	−33.3	----	27	8,037	−43.3	----	28	8,171	−39.9	----	28	8,215	−36.5	----	26	8,067	−39.9	----
300	27	8,749	−52.3	----	26	9,001	−48.6	----	24	9,421	−41.6	----	27	9,057	−50.6	----	28	9,206	−47.8	----	28	9,265	−44.2	----	24	9,104	−47.2	----
250	24	9,943	−54.7	----	25	10,183	−54.4	----	24	10,632	−51.2	----	26	10,227	−57.1	----	25	10,385	−56.1	----	28	10,464	−52.5	----	21	10,302	−54.0	----
200	20	11,373	−51.4	----	17	11,578	−53.7	----	23	12,050	−57.9	----	19	11,628	−57.2	----	21	11,801	−57.6	----	28	11,884	−57.9	----	17	11,715	−56.3	----
175	20	12,240	−50.9	----	14	12,440	−52.3	----	21	12,888	−59.9	----	16	12,482	−53.9	----	19	12,654	−55.8	----	26	12,729	−58.6	----	10	12,568	−52.4	----
150	18	13,256	−51.6	----	13	13,427	−53.6	----	14	13,856	−61.5	----	12	13,478	−53.0	----	14	13,647	−56.8	----	22	13,687	−57.9	----	6	13,565	−53.7	----
125	7	14,478	−51.4	----	7	14,590	−55.8	----	8	14,979	−64.6	----	10	14,657	−54.4	----	10	14,801	−59.5	----	11	14,827	−59.7	----	----	----	----	----
100	----	----	----	----	----	----	----	----	----	----	----	----	6	16,054	−57.6	----	----	----	----	----	6	16,214	−62.6	----	----	----	----	----

See footnote at end of table.

TABLE 1.—*Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during February 1946*—Continued

Standard pressure surface (mb.)	Mazatlan, Mexico (1,005.3 mb.)				Medford, Oreg. (969.4 mb.)				Merida, Mexico (1,012.1 mb.)				Miami, Fla. (1,020.0 mb.)				Nashville, Tenn. (997.4 mb.)				North Platte, Nebr. (915.4 mb.)				Oakland, Calif. (1,019.7 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	26	79	20.6	75	28	409	5.6	75	27	27	25.0	73	28	4	19.4	82	28	180	6.8	60	28	849	−0.4	71	28	2	9.9	73
1,000	26	125	20.5	65	28	153	(*)	----	27	133	24.1	74	28	175	19.4	80	28	159	(*)	----	28	129	(*)	----	28	164	9.3	70
950	26	577	21.8	30	28	579	5.6	70	27	582	21.0	75	28	618	16.5	80	28	582	5.8	56	28	550	(*)	----	28	591	7.1	64
900	26	1,037	19.6	27	28	1,014	3.2	67	27	1,047	18.0	77	28	1,073	13.5	78	28	1,020	4.0	56	28	985	2.6	57	28	1,031	4.8	57
850	26	1,525	16.4	30	28	1,475	−0.1	71	27	1,535	14.7	81	28	1,553	11.1	67	28	1,484	1.8	55	28	1,448	2.6	43	28	1,494	2.4	46
800	26	2,037	12.7	27	28	1,957	−3.3	74	27	2,046	11.3	79	28	2,058	9.2	56	28	1,970	0.1	56	28	1,935	−0.4	47	28	1,981	−0.2	39
750	26	2,582	8.9	29	28	2,470	−6.0	69	27	2,587	9.0	72	28	2,596	7.0	43	28	2,488	−2.0	49	28	2,451	−3.9	49	28	2,500	−2.5	37
700	26	3,141	4.9	32	28	3,002	−9.0	65	27	3,154	6.2	64	28	3,155	4.1	38	28	3,032	−4.6	46	28	2,989	−7.5	50	28	3,040	−5.3	42
650	26	3,744	0.8	----	28	3,576	−12.4	67	26	3,760	3.0	48	28	3,758	0.7	41	28	3,615	−7.7	42	28	3,568	−11.2	50	28	3,622	−8.8	----
600	26	4,379	−3.4	----	28	4,179	−16.1	69	25	4,403	0.3	----	28	4,393	−2.6	34	27	4,233	−11.2	40	28	4,171	−15.2	52	27	4,235	−12.6	----
550	26	5,062	−7.8	----	28	4,831	−20.4	67	25	5,095	−4.1	----	28	5,077	−6.5	----	27	4,897	−15.1	48	27	4,824	−19.1	52	27	4,897	−16.7	----
500	26	5,795	−12.9	----	28	5,528	−25.1	----	25	5,840	−9.2	----	28	5,817	−11.3	----	27	5,611	−20.0	----	27	5,525	−23.7	----	25	5,619	−20.6	----
450	26	6,600	−18.6	----	28	6,291	−30.7	----	25	6,654	−15.4	----	28	6,622	−17.2	----	25	6,382	−25.2	----	27	6,293	−29.2	----	25	6,398	−26.1	----
400	26	7,459	−24.8	----	28	7,112	−36.2	----	25	7,527	−22.2	----	27	7,489	−23.8	----	25	7,224	−31.0	----	27	7,117	−35.4	----	25	7,234	−32.1	----
350	24	8,414	−32.3	----	27	8,016	−42.8	----	24	8,492	−29.7	----	27	8,448	−31.5	----	25	8,157	−37.6	----	27	8,034	−41.7	----	24	8,174	−39.0	----
300	24	9,482	−40.3	----	27	9,039	−50.1	----	23	9,572	−38.6	----	26	9,527	−40.0	----	24	9,203	−45.6	----	27	9,061	−49.1	----	24	9,213	−46.9	----
250	23	10,706	−48.7	----	25	10,219	−56.3	----	21	10,801	−48.0	----	26	10,746	−49.5	----	24	10,395	−53.6	----	24	10,244	−55.0	----	24	10,399	−55.1	----
200	13	12,148	−56.1	----	22	11,627	−56.8	----	19	12,245	−56.5	----	26	12,180	−56.9	----	18	11,797	−56.7	----	21	11,639	−55.3	----	18	11,805	−58.0	----
175	9	12,982	−58.9	----	17	12,488	−54.7	----	17	13,088	−59.8	----	26	13,017	−60.5	----	13	12,658	−56.6	----	17	12,476	−52.7	----	15	12,654	−55.8	----
150	----	------	------	----	12	13,485	−54.8	----	13	14,047	−64.1	----	22	13,967	−63.9	----	8	13,576	−55.8	----	14	13,452	−53.0	----	12	13,636	−56.5	----
125	----	------	------	----	5	14,639	−56.3	----	----	------	------	----	14	15,081	−69.9	----	----	------	------	----	8	14,594	−54.7	----	7	14,799	−58.6	----

Standard pressure surface (mb.)	Ogden, Utah (865.3 mb.)				Oklahoma City, Okla. (970.6 mb.)				Omaha, Nebr. (979.1 mb.)				Phoenix, Ariz. (976.2 mb.)				Pittsburgh, Pa. (970.5 mb.)				Portland, Maine (1,011.6 mb.)				Rapid City, S. Dak. (900.4 mb.)			
Surface	28	1,355	−0.2	64	28	391	7.5	66	28	308	0.8	67	28	339	10.9	43	28	382	−0.4	67	28	20	−7.3	72	28	981	−1.9	62
1,000	28	177	(*)	----	28	140	(*)	----	28	136	(*)	----	28	136	(*)	----	28	140	(*)	----	28	109	(*)	----	28	129	(*)	----
950	28	600	(*)	----	28	571	8.8	56	28	548	0.5	63	28	573	15.4	26	28	555	−0.8	65	28	511	−8.0	70	28	551	(*)	----
900	28	1.040	(*)	----	28	1,015	7.3	50	28	983	0.3	58	28	1,025	12.4	24	28	982	−2.7	66	28	928	−9.1	69	28	986	(*)	----
850	28	1,497	0.5	56	28	1,483	5.4	43	28	1,440	−1.3	53	28	1,500	8.7	24	28	1,433	−4.8	65	28	1,369	−9.8	64	28	1,442	−0.4	51
800	28	1,982	−2.2	52	27	1,975	3.2	35	28	1,921	−3.2	51	28	1,998	5.2	26	28	1,908	−6.3	66	28	1,836	−10.5	60	28	1,924	−3.3	53
750	28	2,495	−6.0	55	27	2,499	0.5	31	28	2,429	−5.6	50	28	2,525	1.7	27	28	2,415	−8.2	59	28	2,338	−11.9	59	28	2,435	−6.8	54
700	28	3,028	−9.4	55	27	3,046	−2.9	32	28	2,968	−8.1	50	28	3,073	−2.0	----	28	2,945	−10.2	58	28	2,858	−14.2	57	28	2,965	−10.2	52
650	28	3,600	−12.5	60	27	3,631	−6.6	35	27	3,544	−11.1	50	28	3,662	−5.7	----	28	3,517	−13.0	54	28	3,424	−17.0	59	28	3,538	−14.0	56
600	28	4,204	−16.4	64	27	4,250	−10.3	----	27	4,154	−14.7	46	28	4,280	−9.6	----	28	4,120	−16.4	55	28	4,015	−19.8	61	28	4,135	−17.9	57
550	28	4,852	−20.7	68	27	4,919	−14.6	----	27	4,809	−18.9	45	28	4,949	−14.2	----	28	4,770	−20.2	54	27	4,656	−23.3	----	28	4,781	−21.7	----
500	27	5,555	−25.4	----	26	5,629	−19.8	----	27	5,511	−23.6	----	28	5,659	−19.6	----	28	5,470	−24.4	----	27	5,348	−27.6	----	28	5,475	−26.4	----
450	27	6,314	−30.6	----	26	6,412	−25.2	----	27	6,279	−28.8	----	28	6,445	−25.2	----	28	6,234	−29.2	----	27	6,104	−32.0	----	27	6,238	−31.4	----
400	26	7,148	−35.9	----	26	7,248	−31.3	----	27	7,107	−35.0	----	28	7,284	−31.5	----	28	7,062	−34.7	----	27	6,922	−37.1	----	27	7,053	−37.3	----
350	26	8,062	−43.0	----	25	8,181	−37.8	----	27	8,026	−41.3	----	28	8,215	−38.5	----	28	7,982	−40.6	----	26	7,830	−42.5	----	26	7,965	−43.7	----
300	26	9,083	−50.7	----	25	9,226	−45.3	----	27	9,056	−48.3	----	28	9,256	−46.5	----	28	9,018	−46.8	----	25	8,866	−48.2	----	26	8,984	−50.4	----
250	24	10,861	−57.4	----	24	10,420	−52.5	----	26	10,237	−54.8	----	28	10,443	−54.7	----	28	10,209	−52.5	----	25	10,053	−52.3	----	26	10,158	−55.7	----
200	22	11,674	−57.8	----	20	11,832	−54.6	----	21	11,640	−56.3	----	26	11,854	−56.9	----	23	11,652	−54.3	----	23	11,480	−52.7	----	20	11,576	−56.3	----
175	21	12.519	−55.5	----	16	12,673	−55.0	----	14	12,487	−54.2	----	22	12,690	−55.6	----	19	12,479	−52.2	----	19	12,324	−50.7	----	17	12,413	−52.7	----
150	19	13,512	−55.6	----	13	13,643	−56.4	----	12	13,477	−53.9	----	16	13,667	−56.3	----	17	13,471	−54.0	----	17	13,314	−50.6	----	11	13,408	−52.3	----
125	16	14,671	−56.8	----	7	14,805	−59.3	----	9	14,638	−55.1	----	9	14,798	−58.5	----	11	14,639	−54.1	----	13	14,509	−51.6	----	----	------	------	----
100	10	16,090	−61.0	----	----	------	------	----	5	16,059	−56.5	----	----	------	------	----	7	16,058	−55.8	----	----	------	------	----	----	------	------	----

Standard pressure surface (mb.)	St. Paul, Minn. (988.1 mb.)				San Antonio, Tex. (990.8 mb.)				San Juan, P. R. (1,017.0 mb.)				Santa Maria, Calif. (1,011.4 mb.)				Sault Ste. Marie, Mich. (987.9 mb.)				Spokane, Wash. (945.1 mb.)				Swan Island, W. I.[1] (---- mb.)			
Surface	27	225	−8.1	77	28	240	12.2	74	26	15	23.2	77	28	71	9.0	82	27	221	−11.0	85	28	598	1.8	79	----	------	------	----
1,000	27	127	(*)	----	28	161	(*)	----	26	162	22.1	77	28	165	9.1	77	27	126	(*)	----	28	137	(*)	----	----	------	------	----
950	27	535	−9.8	77	28	596	12.1	65	26	610	18.7	79	28	592	8.6	60	27	523	−11.2	86	28	561	(*)	----	----	------	------	----
900	27	946	−8.4	73	28	1,044	9.7	65	26	1,068	15.4	80	28	1,036	6.6	56	27	935	−12.3	84	28	991	0.4	73	----	------	------	----
850	27	1,391	−7.7	67	28	1,518	8.8	58	26	1,552	12.5	77	28	1,503	4.5	45	27	1,372	−13.2	73	28	1,447	−2.4	71	----	------	------	----
800	27	1,862	−8.5	64	28	2,019	7.5	48	26	2,059	10.5	66	28	1,995	2.4	33	27	1,833	−13.7	66	28	1,926	−5.5	73	----	------	------	----
750	27	2,369	−10.4	58	28	2,551	5.6	36	26	2,602	9.2	40	28	2,519	−0.2	----	27	2,328	−14.5	57	28	2,433	−8.7	75	----	------	------	----
700	27	2,890	−12.6	52	28	3,109	2.4	32	26	3,165	7.2	----	28	3,063	−3.1	----	27	2,842	−16.3	54	28	2,960	−12.0	74	----	------	------	----
650	27	3,461	−15.3	49	27	3,703	−1.5	30	26	3,774	4.5	----	28	3,650	−6.5	----	26	3,397	−18.8	55	28	3,528	−15.4	70	----	------	------	----
600	27	4,053	−19.0	56	27	4,334	−5.7	----	26	4,418	1.0	----	28	4,266	−10.4	----	25	3,977	−22.4	----	28	4,124	−19.1	69	----	------	------	----
550	27	4.700	−23.1	----	27	5,008	−10.1	----	26	5,116	−2.9	----	28	4,935	−14.6	----	25	4,614	−25.8	----	28	4,767	−23.2	----	----	------	------	----
500	27	5,388	−27.6	----	27	5,738	−14.9	----	26	5,860	−7.9	----	28	5,646	−19.7	----	24	5,288	−30.2	----	28	5,459	−27.6	----	----	------	------	----
450	27	6.143	−32.6	----	26	6,534	−20.2	----	26	6,678	−13.9	----	28	6,426	−25.2	----	24	6,037	−35.4	----	28	6,217	−32.8	----	----	------	------	----
400	27	6,960	−37.9	----	26	7,393	−26.2	----	26	7,554	−20.7	----	28	7,265	−31.3	----	24	6,843	−40.7	----	27	7,032	−38.3	----	----	------	------	----
350	27	7,868	−44.2	----	25	8,349	−32.8	----	26	8,527	−27.9	----	28	8,196	−38.6	----	24	7,740	−46.0	----	27	7,938	−44.5	----	----	------	------	----
300	27	8,887	−50.3	----	25	9,417	−40.1	----	25	9,616	−36.0	----	27	9,235	−47.1	----	24	8,754	−50.8	----	27	8,955	−51.0	----	----	------	------	----
250	24	10,073	−53.7	----	23	10,635	−49.0	----	25	10,860	−44.4	----	20	10,423	−54.7	----	22	9,931	−52.0	----	26	10,125	−56.1	----	----	------	------	----
200	19	11,525	−52.4	----	20	12.074	−55.6	----	24	12,320	−55.1	----	13	11,813	−58.3	----	19	11.380	−50.3	----	20	11,542	−55.7	----	----	------	------	----
175	19	12,389	−51.4	----	20	12,921	−57.5	----	23	13,158	−60.4	----	5	12,682	−56.6	----	18	12,246	−49.4	----	18	12,394	−52.5	----	----	------	------	----
150	14	13.386	−51.3	----	17	13,876	−59.1	----	10	14,117	−65.0	----	5	13,657	−56.8	----	14	13,256	−48.9	----	16	13,375	−51.3	----	----	------	------	----
125	12	14,556	−52.8	----	10	15,007	−62.7	----	6	15,224	−68.8	----	----	------	------	----	10	14,458	−50.2	----	12	14,542	−52.0	----	----	------	------	----
100	6	15,997	−54.0	----	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----	8	15,985	−53.3	----	----	------	------	----

See footnote at end of table.

TABLE 1.—*Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during February 1946*—Continued

Standard pressure surface (mb.)	Tacubaya, Mexico (773.6 mb.)				Tampa, Fla. (1,020.8 mb.)				Tatoosh Island, Wash. (1,010.2 mb.)				Toledo, Ohio (992.5 mb.)				Washington, D. C. (1,015.0 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	28	2,306	14.7	52	28	3	16.2	78	28	31	6.2	85	26	191	−1.5	78	28	25	3.3	63
1,000	28	67	(*)	----	28	178	16.1	71	28	116	(*)	----	26	130	(*)	----	28	145	2.7	59
950	28	529	(*)	----	28	615	14.2	67	28	532	2.6	86	26	536	−3.1	77	28	559	1.2	58
900	28	1,002	(*)	----	28	1,068	12.2	60	28	967	−0.6	89	26	964	−4.3	73	28	992	−0.7	60
850	28	1,496	(*)	----	28	1,546	10.4	53	28	1,421	−3.8	89	26	1,414	−4.9	65	28	1,447	−2.2	58
800	28	2,021	(*)	----	28	2,049	8.8	37	28	1,898	−6.1	85	26	1,889	−6.1	60	28	1,927	−4.0	57
750	28	2,570	13.0	52	28	2,585	6.3	43	28	2,404	−9.0	75	25	2,392	−7.7	56	28	2,441	−6.0	56
700	28	3,143	8.8	56	28	3,143	3.2	40	28	2,932	−11.8	71	25	2,924	−9.6	53	28	2,973	−8.2	53
650	28	3,755	4.1	62	28	3,740	−0.6	45	28	3,497	−15.3	71	25	3,495	−12.6	52	28	3,548	−11.3	52
600	28	4,399	−1.0	69	28	4,374	−4.5	43	28	4,096	−19.0	68	25	4,100	−16.2	49	28	4,155	−14.6	51
550	28	5,085	−5.5	58	28	5,055	−8.1	41	28	4,739	−22.9	----	25	4,746	−20.4	----	28	4,811	−18.3	51
500	28	5,830	−9.7	----	28	5,789	−12.7	39	28	5,430	−27.4	----	25	5,449	−24.9	----	27	5,516	−22.8	----
450	27	6,647	−15.2	----	28	6,591	−18.2	43	27	6,190	−32.2	----	25	6,210	−30.1	----	27	6,286	−27.8	----
400	27	7,518	−21.8	----	28	7,455	−24.8	----	27	7,009	−38.0	----	25	7,037	−35.8	----	27	7,119	−33.4	----
350	23	8,483	−29.4	----	28	8,410	−32.3	----	26	7,919	−44.1	----	25	7,953	−41.8	----	27	8,042	−39.8	----
300	22	9,570	−38.0	----	28	9,477	−41.1	----	26	8,938	−50.6	----	25	8,982	−48.4	----	27	9,078	−47.2	----
250	22	10,797	−47.4	----	28	10,689	−50.5	----	23	10,106	−54.6	----	24	10,176	−53.8	----	26	10,265	−53.7	----
200	18	12,242	−56.7	----	28	12,113	−58.6	----	23	11,532	−52.8	----	24	11,602	−54.9	----	23	11,684	−56.7	----
175	11	13,079	−60.2	----	27	12,945	−61.2	----	21	12,399	−51.1	----	20	12,424	−52.1	----	19	12,543	−55.2	----
150	6	14,040	−64.4	----	26	13,898	−64.0	----	15	13,373	−51.4	----	17	13,426	−52.8	----	15	13,508	−55.7	----
125	----	-------	------	----	20	15,019	−67.8	----	12	14,550	−50.9	----	10	14,579	−54.2	----	9	14,641	−55.9	----
100	----	-------	------	----	6	16,347	−71.0	----	5	15,965	−52.4	----	---	-------	------	----	6	16,082	−58.8	----

[1] Data not yet received.

*Temperature and relative humidity data for this level are not available or are available only for certain days. See note entitled "Change in Summarization of Radiosonde Data," p. 6, in the January 1946 issue of the MONTHLY WEATHER REVIEW.

NOTE.—All observations scheduled between 0300 and 0500, G. C. T., except at Mazatlan and Merida, where they are taken near 0200, G. C. T.

"Number of observations" refers to those of dynamic height only. (In a few cases temperature or humidity data may be missing for one or more standard pressure surfaces of some observations.) Relative humidity data are not published for standard pressure surfaces having a corresponding mean temperature below −20° C.

All relative humidity observations are obtained by electric hygrometer and have been adjusted to compensate for the values occurring below the operating range of the humidity element. For explanation of the adjustment see article entitled "Curve Method for Obtaining Monthly Means of Relative Humidity," page 241, MONTHLY WEATHER REVIEW, December 1944.

None of the means included in these tables are based on less than 15 observations at the surface or 5 observations at a standard pressure level.

LATE REPORT FOR SWAN ISLAND, WEST INDIES

TABLE 1.—*Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during January 1946*

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Swan Island, W. I. (1,014.8 mb.)				Standard pressure surface (mb.)	Swan Island, W. I. (1,014.8 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity		Number of observations	Dynamic height	Temperature	Relative humidity
Surface	31	10	24.7	80	500	31	5,865	−7.0	--------
1,000	31	139	23.9	81	450	31	6,685	−12.7	--------
950	31	591	20.8	81	400	31	7,566	−19.4	--------
900	31	1,054	17.8	76	350	31	8,543	−27.2	--------
850	31	1,541	14.6	75	300	30	9,632	−35.9	--------
800	31	2,052	12.4	58	250	30	10,872	−45.8	--------
750	31	2,597	9.8	56	200	29	12,982	−55.8	--------
700	31	3,162	7.6	43	175	28	13,165	−60.8	--------
650	31	3,777	5.1	--------	150	24	14,114	−65.2	--------
600	31	4,418	1.9	--------	125	15	15,207	−71.2	--------
550	31	5,115	−2.3	--------	100	7	16,495	−78.7	--------