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METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR AUGUST 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 August 1946*

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Albany, N. Y. (1,004.6 mb.)				Albuquerque, N. Mex. (840.0 mb.)				Apalachicola, Fla. (1,016.1 mb.)				Atlanta, Ga. (982.0 mb.)				Auburn, Calif. (954.8 mb.)				Big Spring, Tex. (926.1 mb.)				Bismarck, N. Dak. (956.5 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	31	93	16.9	84	31	1,620	23.1	53	28	5	26.2	85	31	300	23.6	78	31	501	25.2	32	31	774	29.6	38	30	505	19.5	61
1,000	31	133	16.9	82	31	62	(*)	----	28	146	25.9	84	31	140	(*)	----	31	89	(*)	----	31	82	(*)	----	30	116	(*)	----
950	31	573	15.6	77	31	532	(*)	----	28	598	23.1	80	31	594	23.2	72	31	549	25.9	31	31	546	(*)	----	30	564	19.6	58
900	31	1,028	12.8	77	31	1,015	(*)	----	28	1,068	20.3	78	31	1,061	20.3	72	31	1,021	24.7	26	31	1,028	27.9	40	30	1,029	18.0	54
850	31	1,506	9.6	79	31	1,517	(*)	----	28	1,561	17.1	75	31	1,553	17.0	70	31	1,518	21.4	21	31	1,533	24.2	43	30	1,515	14.7	59
800	31	2,007	6.4	81	31	2,044	20.6	45	28	2,076	14.0	74	31	2,068	13.6	69	31	2,039	17.8	19	31	2,060	20.0	47	29	2,027	11.4	58
750	31	2,539	3.2	78	31	2,601	16.8	49	28	2,618	10.9	67	31	2,613	10.7	58	31	2,589	13.9	20	31	2,612	15.2	55	29	2,574	7.9	55
700	31	3,090	0.5	70	31	3,182	12.1	57	28	3,191	7.7	64	31	3,181	7.7	54	31	3,163	9.9	22	31	3,192	11.2	57	29	3,131	5.0	46
650	31	3,687	−2.2	59	31	3,800	7.1	65	28	3,801	4.3	61	31	3,793	4.1	52	31	3,775	5.6	25	31	3,806	7.1	51	29	3,736	1.6	39
600	29	4,311	−5.6	48	31	4,452	2.1	74	28	4,447	1.0	56	31	4,435	0.5	48	31	4,422	0.9	25	31	4,461	3.0	44	29	4,373	−2.3	39
550	29	4,989	−9.4	41	31	5,152	−2.7	79	28	5,141	−2.9	57	31	5,129	−3.5	48	31	5,111	−4.1	----	30	5,163	−1.2	37	29	5,062	−6.6	34
500	28	5,720	−14.1	----	31	5,900	−7.0	80	28	5,891	−7.1	55	31	5,876	−7.7	46	31	5,859	−9.2	----	30	5,916	−5.7	30	29	5,797	−11.4	39
450	28	6,516	−19.4	----	31	6,726	−11.5	78	27	6,713	−12.1	56	31	6,696	−12.6	42	31	6,670	−15.0	----	30	6,743	−11.0	----	29	6,610	−16.8	37
400	28	7,377	−25.6	----	31	7,611	−17.0	64	27	7,598	−18.1	58	31	7,577	−18.4	44	30	7,542	−21.8	----	29	7,629	−16.7	----	27	7,468	−23.3	----
350	28	8,330	−33.0	----	31	8,599	−23.8	----	27	8,581	−25.2	----	31	8,559	−25.6	----	30	8,510	−29.2	----	29	8,618	−23.7	----	27	8,432	−30.3	----
300	28	9,395	−40.8	----	31	9,706	−32.2	----	27	9,680	−33.6	----	31	9,658	−34.0	----	30	9,503	−37.6	----	28	9,726	−32.1	----	27	9,510	−38.4	----
250	27	10,617	−47.8	----	31	10,965	−42.5	----	27	10,933	−43.5	----	31	10,908	−43.9	----	30	10,826	−46.5	----	28	10,987	−42.0	----	27	10,740	−46.8	----
200	27	12,070	−52.8	----	28	12,435	−55.1	----	27	12,393	−55.6	----	31	12,369	−55.2	----	30	12,277	−55.0	----	25	12,458	−53.4	----	25	12,190	−53.1	----
175	26	12,923	−55.3	----	24	13,274	−61.7	----	27	13,229	−62.1	----	29	13,207	−60.7	----	29	13,126	−58.4	----	17	13,309	−59.7	----	24	13,049	−54.4	----
150	26	13,901	−57.3	----	15	14,222	−67.8	----	25	14,170	−68.2	----	26	14,149	−65.8	----	27	14,082	−61.7	----	14	14,259	−65.6	----	18	14,030	−55.5	----
125	23	15,056	−59.6	----	5	15,280	−72.2	----	16	15,253	−72.5	----	21	15,249	−68.4	----	22	15,187	−63.7	----	5	15,337	−71.4	----	5	15,227	−57.4	----
100	14	16,469	−60.7	----	----	----	----	----	10	16,568	−70.9	----	11	16,565	−67.9	----	8	16,550	−64.3	----	----	----	----	----	----	----	----	----
80	8	17,869	−58.7	----	----	----	----	----	5	17,895	−67.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Boise, Idaho (913.6 mb.)				Brownsville, Tex. (1,012.8 mb.)				Buffalo, N. Y. (990.2 mb.)				Burrwood, La. (1,015.8 mb.)				Caribou, Maine (992.8 mb.)				Charleston, S. C. (1,014.8 mb.)				Ciudad Victoria, Mexico (972.8 mb.)			
Surface	31	868	25.8	33	31	6	27.9	78	31	221	17.3	78	31	2	27.1	81	31	191	15.2	83	31	14	23.3	91	31	335	29.7	55
1,000	31	64	(*)	----	31	119	27.1	79	31	135	(*)	----	31	141	26.3	80	31	129	(*)	----	31	143	23.9	87	31	87	(*)	----
950	31	525	(*)	----	31	577	24.0	80	31	574	16.6	71	31	597	23.1	81	31	566	15.3	71	31	595	22.2	79	31	547	28.1	55
900	31	1,000	27.3	24	31	1,045	22.0	63	31	1,033	13.4	73	31	1,064	20.2	73	31	1,021	12.3	72	31	1,062	19.6	77	31	1,024	24.3	59
850	31	1,501	23.7	23	31	1,541	19.9	50	31	1,513	9.8	76	31	1,556	17.3	67	31	1,498	8.9	79	31	1,553	16.7	73	31	1,522	20.4	64
800	31	2,026	19.4	25	31	2,061	17.2	43	31	2,013	6.4	80	31	2,072	14.4	64	31	1,998	5.5	82	31	2,068	13.7	70	31	2,043	16.4	68
750	31	2,580	14.9	29	31	2,607	14.1	39	31	2,550	3.3	74	31	2,621	11.5	57	31	2,525	2.8	78	31	2,612	10.5	63	31	2,595	12.6	67
700	31	3,154	10.2	33	31	3,187	10.6	36	31	3,097	0.5	62	30	3,191	8.5	54	31	3,079	−0.1	69	31	3,182	7.4	63	31	3,166	9.4	57
650	31	3,768	5.2	36	31	3,801	6.8	33	31	3,695	−2.7	53	30	3,806	5.0	55	31	3,671	−3.0	63	30	3,792	3.8	64	31	3,784	5.8	52
600	31	4,413	0.0	40	31	4,453	2.7	35	31	4,320	−6.0	44	29	4,454	1.7	49	31	4,300	−6.4	58	30	4,436	0.3	59	31	4,428	1.9	51
550	31	5,105	−5.0	39	31	5,154	−1.6	33	31	5,001	−9.8	----	29	5,154	−2.3	47	31	4,976	−10.2	51	29	5,131	−3.2	51	30	5,126	−2.0	46
500	31	5,845	−10.5	38	31	5,903	−6.0	32	31	5,724	−14.6	----	29	5,903	−6.8	42	31	5,703	−14.7	39	28	5,877	−7.4	----	30	5,878	−6.2	41
450	31	6,652	−16.4	----	31	6,726	−10.8	28	31	6,522	−20.0	----	29	6,724	−11.9	46	30	6,498	−20.1	39	25	6,698	−12.5	----	29	6,702	−11.0	37
400	31	7,523	−22.8	----	31	7,617	−16.6	----	31	7,377	−26.2	----	29	7,611	−17.6	43	30	7,353	−26.4	----	23	7,581	−17.9	----	29	7,590	−16.3	37
350	30	8,485	−30.2	----	30	8,604	−23.9	----	30	8,331	−33.1	----	29	8,596	−24.5	----	30	8,303	−33.6	----	23	8,565	−25.1	----	28	8,578	−23.9	----
300	30	9,563	−38.6	----	28	9,709	−32.2	----	30	9,396	−41.2	----	29	9,700	−32.9	----	29	9,361	−41.8	----	21	9,663	−33.5	----	27	9,682	−32.6	----
250	30	10,790	−47.7	----	27	10,972	−41.8	----	29	10,614	−49.0	----	28	10,958	−42.6	----	28	10,574	−48.7	----	20	10,917	−43.6	----	27	10,939	−42.5	----
200	28	12,227	−54.7	----	26	12,447	−53.2	----	28	12,075	−51.8	----	28	12,428	−53.7	----	27	12,029	−51.9	----	19	12,386	−55.0	----	27	12,405	−54.5	----
175	26	13,078	−57.3	----	23	13,290	−59.5	----	28	12,937	−53.6	----	26	13,272	−59.9	----	27	12,893	−52.5	----	17	13,238	−60.7	----	27	13,246	−60.8	----
150	18	14,034	−59.7	----	17	14,254	−64.9	----	25	13,915	−55.2	----	20	14,223	−65.6	----	25	13,899	−53.9	----	13	14,188	−66.3	----	22	14,194	−66.7	----
125	12	15,176	−61.7	----	----	----	----	----	19	15,060	−56.7	----	9	15,299	−69.5	----	19	15,068	−55.8	----	7	15,301	−69.8	----	13	15,281	−71.0	----
100	----	----	----	----	----	----	----	----	17	16,469	−56.4	----	----	----	----	----	12	16,433	−55.9	----	----	----	----	----	----	----	----	----
80	----	----	----	----	----	----	----	----	11	17,880	−55.6	----	----	----	----	----	6	17,905	−55.5	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Columbia, Mo. (987.8 mb.)				Dodge City, Kans. (925.2 mb.)				El Paso, Tex. (881.4 mb.)				Ely, Nev. (810.8 mb.)				Fort Worth, Tex. (989.4 mb.)				Glasgow, Mont. (940.1 mb.)				Grand Junction, Colo. (853.4 mb.)			
Surface	30	239	22.5	76	29	787	24.7	56	31	1,195	28.6	38	31	1,908	19.8	39	30	211	30.1	50	31	648	21.3	44	31	1,474	24.5	41
1,000	30	132	(*)	----	29	96	(*)	----	31	51	(*)	----	31	47	(*)	----	30	115	(*)	----	31	106	(*)	----	31	58	(*)	----
950	30	584	21.7	66	29	553	(*)	----	31	523	(*)	----	31	514	(*)	----	30	583	28.2	51	31	557	(*)	----	31	529	(*)	----
900	30	1,047	19.3	66	29	1,029	25.2	50	31	1,010	(*)	----	31	994	(*)	----	30	1,052	25.0	54	31	1,024	19.8	43	31	1,010	(*)	----
850	30	1,537	16.6	63	29	1,530	22.3	51	31	1,517	27.3	35	31	1,494	(*)	----	30	1,551	21.3	57	31	1,513	16.0	47	31	1,509	24.7	40
800	30	2,052	14.1	58	29	2,054	18.8	53	31	2,049	23.1	37	31	2,024	22.7	31	30	2,073	17.6	57	31	2,025	11.9	53	31	2,039	22.3	36
750	30	2,598	11.6	52	28	2,607	15.3	52	31	2,607	18.2	43	31	2,585	19.2	28	30	2,625	13.9	56	31	2,566	8.1	56	31	2,599	17.9	40
700	30	3,168	8.1	48	28	3,186	11.4	52	31	3,193	13.0	51	31	3,169	13.9	33	30	3,201	10.6	46	31	3,127	4.4	52	31	3,180	13.0	45
650	30	3,779	4.4	47	28	3,803	6.9	56	31	3,810	7.8	59	31	3,789	8.3	40	29	3,819	7.3	38	31	3,727	0.7	49	31	3,799	7.6	53
600	30	4,423	0.4	47	28	4,454	2.2	56	31	4,465	2.8	62	31	4,443	2.6	49	29	4,470	3.5	----	31	4,366	−3.4	53	31	4,451	2.3	59
550	30	5,116	−3.7	44	28	5,152	−2.3	53	30	5,165	−2.2	64	31	5,138	−3.5	61	28	5,177	−0.5	----	31	5,046	−7.6	49	31	5,147	−3.2	60
500	30	5,864	−8.0	43	28	5,902	−6.6	47	29	5,914	−7.0	60	31	5,885	−9.5	70	27	5,933	−4.6	----	31	5,784	−12.3	43	31	5,896	−8.5	62
450	30	6,684	−12.9	37	28	6,725	−11.3	43	29	6,739	−11.5	47	31	6,703	−14.7	58	26	6,761	−9.7	----	31	6,587	−17.7	42	30	6,715	−13.5	55
400	30	7,564	−18.7	----	28	7,613	−16.8	45	29	7,624	−16.9	41	31	7,576	−20.3	----	26	7,653	−15.4	----	31	7,453	−24.2	----	30	7,595	−19.0	48
350	29	8,546	−25.7	----	27	8,600	−24.0	----	29	8,612	−24.0	----	31	8,552	−27.0	----	26	8,646	−22.9	----	31	8,413	−31.6	----	29	8,581	−26.1	----
300	29	9,644	−33.9	----	27	9,706	−32.4	----	29	9,718	−32.2	----	31	9,645	−35.0	----	22	9,758	−31.6	----	28	9,480	−40.1	----	29	9,669	−34.4	----
250	29	10,897	−42.9	----	27	10,963	−42.7	----	29	10,978	−42.4	----	31	10,892	−44.3	----	22	11,022	−41.3	----	27	10,698	−48.7	----	29	10,918	−44.4	----
200	28	12,371	−52.4	----	27	12,429	−55.0	----	29	12,445	−54.7	----	30	12,351	−54.3	----	19	12,499	−52.6	----	21	12,153	−52.9	----	28	12,373	−55.5	----
175	28	13,235	−57.4	----	26	13,268	−61.4	----	28	13,285	−61.3	----	30	13,197	−59.1	----	19	13,348	−58.6	----	19	13,007	−54.2	----	26	13,214	−60.9	----
150	20	14,210	−61.9	----	15	14,234	−66.5	----	23	14,228	−67.8	----	28	14,153	−63.6	----	7	14,302	−64.8	----	16	13,990	−56.6	----	23	14,158	−65.8	----
125	10	15,342	−65.2	----	5	15,334	−69.5	----	12	15,326	−72.5	----	16	15,252	−66.9	----	----	----	----	----	11	15,137	−57.9	----	11	15,256	−69.2	----
100	----	----	----	----	----	----	----	----	----	----	----	----	5	16,620	−67.1	----	----	----	----	----	----	----	----	----	----	----	----	----

See footnotes 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 August 1946*—Continued

Standard pressure surface (mb)	Great Falls, Mont. (888.6 mb.)				Greensboro, N. C. (985.3 mb.)				Hatteras, N. C. (1,015.7 mb.)				Havana, Cuba.[1] (---- mb.)				Honolulu, T. H.[1] (---- mb.)				Huntington, W. Va. (997.1 mb.)				International Falls, (974.7 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	31	1,128	20.5	37	30	273	20.6	84	31	3	23.7	87	----	----	----	----	----	----	----	----	31	172	17.1	91	31	360	15.5	81
1,000	31	91	(*)	----	30	144	(*)	----	31	140	23.0	85	----	----	----	----	----	----	----	----	31	146	(*)	----	31	141	(*)	----
950	31	548	(*)	----	30	592	20.9	76	31	590	20.7	79	----	----	----	----	----	----	----	----	31	592	18.6	70	31	582	16.8	71
900	31	1,020	(*)	----	30	1,056	17.8	76	31	1,053	18.2	74	----	----	----	----	----	----	----	----	31	1,050	15.7	71	31	1,039	13.9	70
850	31	1,510	18.8	35	30	1,543	14.4	79	31	1,541	15.5	70	----	----	----	----	----	----	----	----	31	1,533	12.3	73	31	1,518	10.4	74
800	31	2,027	14.8	41	30	2,054	11.0	82	31	2,054	12.5	71	----	----	----	----	----	----	----	----	31	2,038	9.2	69	31	2,020	7.3	68
750	31	2,571	10.5	44	30	2,594	8.1	75	31	2,597	9.9	61	----	----	----	----	----	----	----	----	31	2,578	6.6	60	31	2,554	4.6	59
700	31	3,139	6.1	46	30	3,157	5.0	66	31	3,164	7.0	58	----	----	----	----	----	----	----	----	31	3,136	4.2	52	31	3,109	1.3	54
650	31	3,743	1.5	49	29	3,762	1.7	60	31	3,770	3.5	57	----	----	----	----	----	----	----	----	31	3,736	0.9	44	31	3,705	−1.9	47
600	31	4,381	−3.1	50	29	4,401	−1.5	53	30	4,416	0.0	52	----	----	----	----	----	----	----	----	29	4,375	−2.6	----	30	4,337	−5.5	42
550	31	5,064	−7.7	41	29	5,088	−5.3	43	29	5,106	−3.7	52	----	----	----	----	----	----	----	----	29	5,060	−6.3	----	30	5,017	−9.6	33
500	31	5,799	−12.8	40	28	5,832	−9.5	----	29	5,854	−8.1	----	----	----	----	----	----	----	----	----	28	5,799	−10.6	----	30	5,744	−14.4	37
450	31	6,601	−18.1	----	28	6,645	−14.5	----	29	6,672	−13.1	----	----	----	----	----	----	----	----	----	28	6,604	−16.3	----	30	6,539	−20.0	----
400	31	7,465	−24.5	----	28	7,522	−20.8	----	29	7,554	−18.8	----	----	----	----	----	----	----	----	----	28	7,478	−22.4	----	30	7,399	−25.9	----
350	31	8,422	−31.9	----	28	8,494	−28.0	----	29	8,535	−25.7	----	----	----	----	----	----	----	----	----	28	8,445	−29.5	----	30	8,350	−33.3	----
300	30	9,496	−40.1	----	28	9,582	−36.2	----	27	9,628	−34.0	----	----	----	----	----	----	----	----	----	28	9,527	−37.5	----	30	9,415	−41.4	----
250	30	10,716	−49.0	----	28	10,821	−45.9	----	25	10,881	−43.5	----	----	----	----	----	----	----	----	----	27	10,758	−46.2	----	29	10,626	−49.6	----
200	29	12,159	−54.4	----	27	12,275	−55.8	----	24	12,343	−53.5	----	----	----	----	----	----	----	----	----	24	12,202	−53.6	----	29	12,069	−53.5	----
175	29	13,011	−56.0	----	25	13,109	−60.1	----	21	13,186	−58.3	----	----	----	----	----	----	----	----	----	24	13,056	−56.4	----	28	12,925	−54.0	----
150	28	13,987	−57.5	----	24	14,065	−64.6	----	15	14,129	−61.5	----	----	----	----	----	----	----	----	----	17	14,026	−59.4	----	26	13,910	−55.2	----
125	22	15,153	−59.9	----	15	15,150	−65.5	----	5	15,199	−60.4	----	----	----	----	----	----	----	----	----	8	15,182	−60.9	----	22	15,090	−56.4	----
100	9	16,541	−60.6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	18	16,506	−56.4	----
80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	13	17,933	−55.6	----

Standard pressure surface (mb)	Joliet, Ill. (996.0 mb.)				Lake Charles, La. (1,015.2 mb.)				Lander, Wyo. (831.7 mb.)				Las Vegas, Nev. (943.6 mb.)				Little Rock, Ark. (1,006.7 mb.)				Mazatlan, Mexico (1,008.7 mb.)				Medford, Oreg. (966.4 mb.)			
Surface	31	178	18.5	77	31	5	26.0	87	31	1,696	20.0	39	31	574	33.6	23	31	79	25.0	76	30	14	29.4	74	31	401	27.8	31
1,000	31	142	(*)	----	31	139	26.1	82	31	69	(*)	----	31	43	(*)	----	31	138	25.7	72	30	91	28.5	75	31	95	(*)	----
950	31	587	18.4	64	31	593	23.4	77	31	534	(*)	----	31	513	(*)	----	31	594	24.1	67	30	556	24.3	78	31	558	26.8	32
900	31	1,046	15.4	67	31	1,062	20.4	75	31	1,013	(*)	----	31	1,000	31.6	24	31	1,061	21.0	68	30	1,019	21.9	77	31	1,026	22.8	36
850	31	1,529	12.3	69	31	1,555	17.8	69	31	1,507	(*)	----	31	1,509	27.1	26	31	1,554	18.0	66	30	1,514	19.3	74	31	1,520	18.8	41
800	31	2,035	9.0	67	31	2,072	15.3	60	31	2,032	(*)	----	31	2,040	22.4	29	31	2,071	15.2	61	30	2,035	16.8	67	31	2,037	14.8	45
750	31	2,572	6.6	58	31	2,623	12.4	57	31	2,591	16.2	36	31	2,595	17.4	34	31	2,619	12.3	52	30	2,590	13.7	65	30	2,585	11.3	45
700	31	3,132	4.3	42	31	3,193	9.1	52	31	3,167	11.6	40	31	3,179	12.2	41	31	3,191	8.9	47	30	3,161	10.2	66	30	3,153	7.8	37
650	30	3,732	1.3	38	31	3,810	5.6	47	31	3,783	6.6	44	31	3,793	6.8	46	31	3,806	5.5	43	30	3,780	6.3	67	30	3,762	3.8	31
600	30	4,372	−2.4	39	31	4,454	2.0	41	31	4,432	1.1	49	31	4,447	1.8	46	31	4,452	1.5	45	27	4,429	2.2	70	30	4,404	−0.7	31
550	30	5,054	−6.5	37	31	5,154	−1.8	35	31	5,125	−4.4	47	31	5,144	−3.2	43	30	5,149	−3.0	47	27	5,129	−2.4	68	30	5,092	−5.4	31
500	30	5,796	−11.2	----	31	5,904	−6.2	37	31	5,869	−9.7	44	31	5,891	−8.0	40	30	5,899	−7.3	47	26	5,878	−7.1	63	29	5,834	−10.6	----
450	30	6,600	−16.5	----	31	6,732	−11.3	----	31	6,686	−15.5	----	31	6,709	−13.2	----	29	6,718	−11.9	----	25	6,703	−11.5	56	29	6,641	−16.8	----
400	30	7,473	−22.4	----	31	7,615	−17.5	----	31	7,553	−21.5	----	31	7,590	−19.2	----	28	7,604	−17.6	----	25	7,590	−17.3	57	29	7,509	−23.3	----
350	29	8,440	−29.6	----	31	8,600	−24.8	----	31	8,523	−28.8	----	31	8,569	−26.5	----	28	8,589	−24.5	----	22	8,569	−24.6	55	29	8,469	−31.0	----
300	29	9,522	−37.5	----	31	9,701	−33.4	----	31	9,606	−37.0	----	31	9,664	−34.5	----	28	9,693	−32.9	----	22	9,674	−32.9	60	29	9,543	−39.5	----
250	29	10,757	−46.3	----	31	10,954	−43.4	----	31	10,842	−46.2	----	31	10,913	−44.0	----	28	10,950	−42.6	----	21	10,931	−42.8	----	29	10,765	−48.5	----
200	29	12,214	−53.8	----	31	12,416	−55.4	----	30	12,300	−55.2	----	30	12,372	−55.0	----	28	12,419	−54.3	----	15	12,390	−54.8	----	29	12,210	−54.4	----
175	28	13,059	−56.9	----	31	13,254	−62.1	----	30	13,145	−58.9	----	28	13,208	−61.1	----	28	13,262	−60.4	----	13	13,223	−61.0	----	28	13,061	−55.8	----
150	27	14,023	−59.7	----	29	14,195	−68.5	----	25	14,115	−63.0	----	22	14,145	−66.5	----	25	14,203	−66.1	----	7	14,181	−67.2	----	23	14,039	−58.1	----
125	24	15,150	−61.6	----	17	15,279	−72.9	----	18	15,229	−65.2	----	13	15,247	−69.7	----	15	15,300	−70.8	----	----	----	----	----	19	15,200	−60.6	----
100	15	16,527	−62.9	----	----	----	----	----	5	16,574	−65.1	----	----	----	----	----	----	----	----	----	----	----	----	----	9	16,582	−61.6	----
80	12	17,924	−60.3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb)	Merida, Mexico (1,011.3 mb.)				Miami, Fla. (1,016.9 mb.)				Nantucket, Mass. (1,014.3 mb.)				Nashville, Tenn. (995.9 mb.)				North Platte, Nebr. (918.9 mb.)				Oakland, Calif. (1,013.7 mb.)				Ogden, Utah (864.3 mb.)			
Surface	31	27	27.0	77	31	4	25.5	87	30	14	17.2	95	31	180	22.7	75	31	849	21.0	65	31	2	16.1	77	31	1,355	23.9	41
1,000	31	126	26.0	77	31	152	25.7	82	30	135	17.7	90	31	143	(*)	----	31	105	(*)	----	31	117	14.9	80	31	52	(*)	----
950	31	578	23.9	72	31	606	22.7	83	30	576	16.7	78	31	592	21.4	69	31	558	(*)	----	31	568	17.5	52	31	520	(*)	----
900	31	1,050	21.0	73	31	1,074	19.9	78	30	1,035	14.5	73	31	1,057	18.3	71	31	1,029	22.2	56	31	1,019	22.3	20	31	1,002	(*)	----
850	31	1,544	18.1	71	31	1,565	17.0	73	30	1,517	11.6	73	31	1,545	15.2	68	31	1,524	19.2	54	31	1,514	21.0	----	31	1,501	25.3	32
800	30	2,058	14.9	67	31	2,081	13.9	71	30	2,022	8.8	66	31	2,057	12.4	63	31	2,043	16.4	54	31	2,034	18.1	----	31	2,031	21.7	31
750	30	2,607	11.9	65	30	2,625	10.9	69	29	2,563	6.4	61	31	2,602	9.7	57	31	2,594	13.5	49	31	2,587	14.9	----	31	2,588	17.1	33
700	30	3,181	8.7	61	30	3,197	7.6	64	29	3,119	3.6	52	31	3,167	6.8	52	31	3,167	9.6	51	31	3,161	11.1	----	31	3,169	12.2	36
650	30	3,794	5.0	58	30	3,807	4.2	63	29	3,719	−0.5	46	31	3,775	3.4	49	31	3,781	5.2	50	31	3,775	7.0	----	31	3,783	6.9	40
600	28	4,439	1.3	55	30	4,452	0.4	61	29	4,357	−3.1	44	31	4,418	−0.4	49	31	4,426	0.6	48	31	4,426	2.5	----	31	4,436	1.4	45
550	28	5,136	−3.0	55	29	5,145	−3.6	57	28	5,043	−6.7	43	31	5,112	−4.3	44	31	5,121	−4.3	51	31	5,122	−2.3	----	31	5,126	−4.1	46
500	28	5,884	−7.3	56	29	5,893	−8.3	58	27	5,782	−11.2	45	31	5,855	−9.0	46	30	5,863	−9.1	49	31	5,872	−7.7	----	30	5,875	−9.4	46
450	28	6,708	−12.4	59	29	6,712	−13.2	61	27	6,588	−16.6	----	30	6,675	−13.5	----	30	6,680	−14.4	48	30	6,689	−13.7	----	30	6,689	−14.7	43
400	28	7,589	−18.0	57	29	7,592	−19.0	59	26	7,459	−22.5	----	30	7,552	−19.3	----	30	7,554	−19.9	44	29	7,567	−20.3	----	30	7,563	−20.8	----
350	28	8,573	−25.3	----	29	8,572	−26.4	----	26	8,425	−29.6	----	30	8,530	−26.3	----	30	8,532	−26.4	----	29	8,542	−27.5	----	30	8,535	−28.0	----
300	28	9,672	−34.0	----	28	9,667	−34.9	----	26	9,506	−37.8	----	30	9,626	−34.8	----	30	9,627	−34.4	----	29	9,633	−35.6	----	30	9,624	−36.2	----
250	27	10,922	−44.1	----	28	10,912	−45.1	----	26	10,738	−46.5	----	28	10,873	−44.4	----	30	10,877	−44.0	----	28	10,881	−44.3	----	30	10,864	−45.4	----
200	27	12,378	−55.9	----	25	12,364	−56.8	----	26	12,190	−54.5	----	25	12,324	−54.7	----	30	12,338	−54.7	----	27	12,345	−52.6	----	27	12,318	−54.5	----
175	22	13,213	−62.1	----	23	13,201	−62.6	----	24	13,045	−57.3	----	24	13,169	−59.9	----	29	13,181	−59.8	----	25	13,198	−56.4	----	26	13,170	−58.8	----
150	13	14,161	−67.4	----	20	14,141	−67.9	----	23	14,016	−59.7	----	20	14,113	−64.5	----	25	14,138	−64.1	----	22	14,168	−60.1	----	22	14,118	−62.9	----
125	----	----	----	----	11	15,217	−71.4	----	20	15,147	−61.4	----	11	15,235	−68.6	----	13	15,255	−66.6	----	10	15,291	−61.7	----	14	15,222	−64.5	----
100	----	----	----	----	5	16,518	−70.7	----	16	16,527	−60.3	----	----	----	----	----	----	----	----	----	----	----	----	----	8	16,574	−65.0	----
80	----	----	----	----	----	----	----	----	8	17,910	−57.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

See footnotes 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 August 1946*—Continued.

Standard pressure surface (mb.)	Oklahoma City, Okla. (969.1 mb.)				Omaha, Nebr. (979.7 mb.)				Phoenix, Ariz. (970.1 mb.)				Pittsburgh, Pa. (973.0 mb.)				Portland, Maine (1,013.1 mb.)				Rapid City, S. Dak. (905.0 mb.)				St. Paul, Minn (989.3 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	31	391	27.3	59	31	308	22.2	76	31	339	33.3	41	29	382	18.4	72	31	20	16.2	90	31	981	19.3	60	31	225	20.3	66
1,000	31	110	(*)	----	31	128	(*)	----	31	63	(*)	----	29	143	(*)	----	31	131	17.3	86	31	106	(*)	----	31	131	(*)	----
950	31	569	27.6	52	31	579	21.3	68	31	533	34.1	33	29	586	17.9	68	31	572	16.2	76	31	562	(*)	----	31	577	19.1	62
900	31	1,045	24.9	51	31	1,043	19.0	66	31	1,016	30.2	35	29	1,046	15.1	68	31	1,028	13.6	75	31	1,029	19.2	58	31	1,037	15.9	68
850	31	1,544	21.5	52	31	1,533	16.2	64	31	1,523	25.8	40	29	1,528	11.8	73	31	1,507	10.3	79	31	1,521	18.5	52	31	1,520	12.4	73
800	31	2,067	17.7	54	31	2,047	13.9	58	31	2,052	21.2	46	29	2,033	8.4	74	31	2,010	7.2	79	31	2,037	14.9	55	31	2,026	9.3	69
750	31	2,616	13.8	53	31	2,594	10.9	51	31	2,611	16.5	52	29	2,568	5.1	67	31	2,542	4.5	74	31	2,587	11.5	56	31	2,564	6.5	57
700	31	3,194	10.5	46	31	3,161	7.6	52	31	3,190	11.7	58	29	3,124	2.9	51	31	3,099	1.7	68	31	3,154	8.2	50	31	3,123	3.9	49
650	31	3,807	6.5	47	31	3,773	3.9	49	31	3,808	7.0	60	28	3,722	−0.2	47	31	3,696	−1.3	58	31	3,766	4.0	49	31	3,722	0.4	46
600	30	4,460	2.3	51	31	4,415	−0.2	47	31	4,459	2.3	62	28	4,355	−3.7	44	31	4,328	−4.5	53	31	4,407	−0.7	53	31	4,361	−3.2	37
550	30	5,158	−2.0	49	30	5,104	−4.6	47	31	5,159	−2.1	63	28	5,039	−7.9	39	31	5,010	−8.4	47	31	5,097	−5.6	50	31	5,043	−7.2	32
500	29	5,910	−6.5	48	29	5,849	−9.7	43	31	5,909	−6.4	56	28	5,772	−12.4	----	31	5,742	−12.9	49	31	5,837	−10.7	40	31	5,781	−12.0	33
450	29	6,738	−11.5	42	29	6,664	−14.9	43	30	6,738	−11.4	40	28	6,574	−17.7	----	31	6,545	−18.3	47	30	6,648	−15.8	----	30	6,581	−17.3	----
400	29	7,222	−17.0	----	28	7,536	−20.9	----	30	7,621	−17.0	45	28	7,440	−23.8	----	31	7,406	−24.6	----	30	7,519	−22.1	----	29	7,452	−23.7	----
350	29	8,610	−24.0	----	27	8,509	−27.8	----	30	8,609	−24.1	----	27	8,401	−30.9	----	31	8,364	−31.9	----	30	8,486	−29.1	----	29	8,414	−30.8	----
300	29	9,715	−32.5	----	27	9,598	−35.9	----	30	9,714	−32.6	----	27	9,477	−38.5	----	31	9,435	−40.0	----	30	9,570	−37.1	----	29	9,489	−39.1	----
250	29	10,974	−42.5	----	26	10,848	−44.6	----	30	10,973	−42.5	----	27	10,707	−46.5	----	31	10,656	−48.2	----	29	10,807	−45.8	----	29	10,716	−47.9	----
200	29	12,444	−54.2	----	26	12,309	−54.4	----	28	12,445	−54.6	----	27	12,170	−51.6	----	31	12,105	−53.3	----	28	12,269	−54.0	----	27	12,159	−54.9	----
175	28	13,287	−60.8	----	26	13,155	−58.7	----	26	13,284	−61.2	----	27	13,031	−54.2	----	30	12,964	−54.7	----	27	13,119	−57.6	----	27	13,009	−56.6	----
150	23	14,242	−66.8	----	21	14,110	−62.2	----	21	14,227	−67.7	----	24	14,023	−56.8	----	27	13,932	−57.0	----	23	14,088	−60.9	----	26	13,982	−58.2	----
125	13	15,347	−71.2	----	14	15,253	−65.4	----	6	15,315	−70.6	----	20	15,157	−58.6	----	21	15,077	−58.0	----	15	15,217	−63.4	----	23	15,117	−60.2	----
100	----	----	----	----	6	16,588	−65.3	----	----	----	----	----	15	16,541	−58.8	----	9	16,494	−58.8	----	6	16,629	−63.2	----	15	16,505	−59.6	----
80	----	----	----	----	----	----	----	----	----	----	----	----	6	17,983	−58.7	----	5	17,914	−58.2	----	----	----	----	----	10	17,918	−59.3	----

Standard pressure surface (mb.)	San Antonio, Tex. (985.9 mb.)				San Juan, P. R. (1,015.8 mb.)				Santa Maria, Calif. (1,005.5 mb.)				Sault Ste. Marie, Mich. (989.6 mb.)				Spokane, Wash. (944.5 mb.)				Swan Island, West Indies [1] (---- mb.)				Tacubaya, Mexico (775.2 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	30	240	27.9	64	31	15	26.5	82	31	71	14.1	87	31	221	14.3	87	30	598	24.2	31	----	----	----	----	31	2,306	15.6	75
1,000	30	113	(*)	----	31	154	25.5	83	31	118	13.3	87	31	132	(*)	----	30	93	(*)	----	----	----	----	----	31	77	(*)	----
950	30	571	26.3	67	31	609	22.4	87	31	566	18.4	65	31	571	15.5	72	30	549	(*)	----	----	----	----	----	31	541	(*)	----
900	30	1,045	23.4	69	31	1,074	19.4	85	31	1,022	23.2	27	31	1,025	12.6	74	30	1,019	22.2	31	----	----	----	----	31	1,014	(*)	----
850	30	1,542	20.4	70	31	1,565	16.7	77	31	1,518	21.6	25	31	1,502	9.3	75	30	1,511	17.8	35	----	----	----	----	31	1,509	(*)	----
800	30	2,064	17.2	68	31	2,081	14.3	64	31	2,041	18.5	28	31	2,002	6.0	73	30	2,025	13.5	40	----	----	----	----	31	2,039	(*)	----
750	30	2,614	14.4	56	31	2,627	11.4	58	31	2,597	14.8	27	31	2,534	3.7	59	30	2,568	8.9	44	----	----	----	----	31	2,592	13.6	76
700	30	3,193	11.2	45	31	3,198	8.0	51	31	3,169	10.8	----	31	3,087	1.0	50	30	3,130	4.8	43	----	----	----	----	31	3,164	9.5	81
650	30	3,812	7.7	42	31	3,809	4.4	48	31	3,784	6.5	----	31	3,683	−2.3	46	30	3,731	0.7	44	----	----	----	----	31	3,782	5.3	86
600	29	4,463	3.8	40	31	4,454	1.3	37	31	4,431	2.0	----	31	4,308	−5.6	43	30	4,369	−3.2	39	----	----	----	----	31	4,427	1.1	90
550	29	5,171	−0.4	34	31	5,155	−2.1	25	31	5,127	−2.6	----	30	4,994	−9.8	38	30	5,052	−7.5	40	----	----	----	----	31	5,124	−3.0	88
500	29	5,921	−4.8	32	29	5,899	−6.4	----	31	5,876	−7.7	----	30	5,719	−14.8	----	30	5,787	−12.5	36	----	----	----	----	31	5,873	−7.3	81
450	28	6,753	−10.0	----	28	6,721	−11.9	----	31	6,693	−13.6	----	30	6,512	−20.3	----	30	6,589	−16.4	36	----	----	----	----	31	6,695	−11.9	71
400	26	7,638	−15.8	----	27	7,603	−18.1	----	31	7,572	−20.0	----	30	7,371	−26.7	----	30	7,451	−24.9	----	----	----	----	----	30	7,582	−17.2	66
350	26	8,630	−22.8	----	26	8,584	−25.5	----	31	8,549	−27.0	----	30	8,320	−33.8	----	30	8,407	−32.5	----	----	----	----	----	30	8,569	−24.3	----
300	26	9,741	−31.2	----	25	9,683	−33.7	----	31	9,640	−35.1	----	30	9,382	−42.0	----	30	9,475	−40.8	----	----	----	----	----	30	9,674	−32.8	----
250	26	11,007	−41.0	----	25	10,934	−43.4	----	29	10,889	−43.8	----	30	10,593	−50.2	----	30	10,690	−49.7	----	----	----	----	----	29	10,930	−42.9	----
200	25	12,488	−52.6	----	25	12,400	−54.2	----	27	12,360	−53.2	----	27	12,051	−52.3	----	29	12,131	−54.5	----	----	----	----	----	24	12,395	−55.0	----
175	23	13,339	−58.8	----	22	13,243	−59.6	----	23	13,207	−58.7	----	25	12,924	−52.6	----	28	12,983	−54.5	----	----	----	----	----	22	13,239	−61.8	----
150	17	14,200	−64.9	----	18	14,207	−63.9	----	19	14,174	−63.9	----	25	13,915	−54.3	----	21	13,958	−56.1	----	----	----	----	----	10	14,186	−68.0	----
125	5	15,399	−70.5	----	6	15,325	−66.7	----	17	15,283	−67.8	----	22	15,076	−55.8	----	10	15,124	−57.3	----	----	----	----	----	----	----	----	----
100	----	----	----	----	----	----	----	----	6	16,613	−67.8	----	15	16,499	−56.5	----	----	----	----	----	----	----	----	----	----	----	----	----
80	----	----	----	----	----	----	----	----	----	----	----	----	10	17,923	−56.0	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Tampa, Fla. (1,016.1 mb.)				Tatoosh Island, Wash. (1,014.9 mb.)				Toledo, Ohio (993.8 mb.)				Washington, D. C. (1,013.5 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
Surface	31	9	25.8	85	31	31	12.6	93	31	191	17.8	76	31	25	21.3	80
1,000	31	150	25.5	83	31	155	12.3	89	31	137	(*)	----	31	141	21.4	75
950	31	601	22.9	81	31	592	13.8	71	31	580	18.5	65	31	587	19.2	70
900	31	1,072	20.2	77	31	1,042	13.2	61	31	1,040	15.4	65	31	1,048	15.9	73
850	31	1,564	17.3	74	31	1,522	11.7	48	31	1,523	11.8	69	31	1,532	12.6	75
800	31	2,080	14.2	70	31	2,027	9.3	40	31	2,027	8.3	70	31	2,039	9.4	75
750	31	2,621	10.8	71	31	2,565	6.4	37	31	2,561	5.0	64	31	2,579	6.2	73
700	31	3,195	7.5	70	31	3,121	3.2	36	31	3,119	2.6	51	31	3,135	3.3	63
650	31	3,803	4.1	70	30	3,717	−0.3	33	30	3,717	0.1	45	30	3,736	0.5	48
600	31	4,451	0.4	70	30	4,352	−4.1	30	30	4,354	−3.2	----	30	4,372	−2.9	45
550	31	5,140	−3.4	62	30	5,031	−8.5	31	30	5,039	−7.1	----	30	5,060	−6.6	45
500	31	5,893	−7.8	62	30	5,765	−13.4	----	30	5,775	−11.7	----	30	5,797	−11.2	39
450	31	6,711	−12.7	61	30	6,563	−18.7	----	30	6,578	−17.4	----	30	6,605	−16.4	----
400	31	7,594	−18.6	61	30	7,426	−24.9	----	30	7,447	−23.3	----	29	7,474	−22.7	----
350	30	8,577	−25.5	----	30	8,382	−32.3	----	30	8,410	−30.6	----	29	8,440	−29.8	----
300	30	9,676	−33.9	----	28	9,454	−40.2	----	30	9,485	−38.7	----	29	9,519	−38.0	----
250	30	10,926	−44.2	----	28	10,673	−49.2	----	30	10,715	−47.0	----	29	10,752	−46.1	----
200	29	12,380	−56.6	----	25	12,118	−54.2	----	30	12,171	−53.0	----	27	12,214	−54.0	----
175	28	13,211	−63.4	----	23	12,965	−53.3	----	30	13,026	−55.4	----	27	13,065	−57.0	----
150	26	14,142	−69.4	----	16	13,951	−54.0	----	27	14,007	−58.2	----	25	14,029	−60.5	----
125	15	15,215	−72.2	----	11	15,131	−55.3	----	21	15,149	−60.9	----	19	15,133	−61.8	----
100	8	16,528	−72.0	----	----	----	----	----	12	16,524	−60.6	----	16	16,506	−61.4	----
80	----	----	----	----	----	----	----	----	7	17,903	−59.2	----	8	17,920	−60.2	----

[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," p. 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.