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METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR NOVEMBER 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 meters, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during November 1946*

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Albany, N. Y. (1,008.5 mb.)				Albuquerque, N. Mex. (838.0 mb.)				Apalachicola, Fla. (1,018.2 mb.)				Atlanta, Ga. (985.6 mb.)				Auburn, Calif. (958.2 mb.)				Big Spring, Tex. (928.6 mb.)				Bismarck, N. Dak. (957.0 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	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	27	86	5.1	72	30	1,620	6.3	53	30	5	19.2	86	30	300	13.2	76	30	501	8.9	60	30	774	12.0	54	29	505	−2.9	74
1,000	27	154	5.0	69	30	144	(*)	----	30	160	19.3	83	30	177	(*)	----	30	144	(*)	----	30	143	(*)	----	29	153	(*)	----
950	27	579	3.6	71	30	583	(*)	----	30	604	17.5	81	30	613	14.0	67	30	575	10.2	55	30	580	(*)	----	29	567	(*)	----
900	27	1,010	1.5	68	30	1,033	(*)	----	30	1,062	15.3	75	30	1,066	12.9	62	30	1,021	8.3	51	30	1,036	12.4	49	29	992	−2.7	66
850	27	1,470	.4	61	30	1,503	(*)	----	30	1,545	12.9	67	30	1,546	11.4	54	30	1,490	5.6	48	29	1,514	10.9	48	29	1,446	−2.1	60
800	27	1,955	−1.1	56	30	2,000	5.1	51	30	2,053	10.9	56	30	2,050	9.2	49	30	1,984	3.1	47	29	2,018	9.2	45	29	1,927	−3.0	54
750	27	2,473	−3.2	53	30	2,530	2.0	54	30	2,596	8.6	45	30	2,588	7.1	41	30	2,509	.4	48	29	2,551	6.8	44	29	2,441	−5.0	54
700	27	3,011	−5.6	55	30	3,078	−1.3	54	30	3,156	6.1	38	30	3,146	4.4	39	30	3,054	−2.6	49	29	3,115	4.0	39	28	2,976	−7.8	56
650	27	3,596	−8.0	51	30	3,667	−4.8	48	30	3,764	2.8	----	30	3,747	1.2	----	29	3,642	−5.9	54	29	3,714	.2	34	28	3,552	−10.5	61
600	26	4,207	−11.0	46	30	4,290	−8.2	45	30	4,402	−.6	----	30	4,385	−2.4	----	29	4,261	−9.3	49	29	4,349	−4.3	----	27	4,163	−13.8	64
550	25	4,870	−14.8	50	30	4,962	−12.2	42	30	5,005	−4.8	----	30	5,068	−6.3	----	29	4,929	−13.4	48	29	5,028	−8.5	----	27	4,821	−17.7	63
500	25	5,581	−19.6	----	30	5,683	−17.3	42	30	5,833	−9.6	----	30	5,808	−11.3	----	29	5,647	−18.5	48	27	5,764	−13.3	----	27	5,527	−22.2	----
450	25	6,362	−24.7	----	30	6,469	−23.1	----	29	6,644	−15.0	----	30	6,612	−16.9	----	29	6,429	−24.0	----	26	6,568	−18.6	----	27	6,302	−27.1	----
400	25	7,204	−30.4	----	30	7,316	−29.2	----	29	7,517	−21.3	----	29	7,481	−23.4	----	29	7,273	−30.0	----	26	7,432	−24.6	----	25	7,150	−32.1	----
350	25	8,140	−37.0	----	30	8,257	−35.5	----	29	8,487	−28.6	----	29	8,443	−30.7	----	29	8,210	−36.7	----	25	8,389	−31.6	----	24	8,077	−38.9	----
300	25	9,188	−44.5	----	30	9,314	−42.3	----	29	9,571	−37.2	----	29	9,518	−38.8	----	29	9,261	−43.8	----	24	9,457	−39.5	----	22	9,119	−46.1	----
250	25	10,387	−52.3	----	27	10,536	−49.1	----	29	10,803	−47.0	----	29	10,743	−48.4	----	29	10,465	−51.1	----	23	10,684	−47.4	----	19	10,316	−52.7	----
200	20	11,821	−58.8	----	21	11,987	−54.7	----	28	12,256	−57.4	----	27	12,181	−58.3	----	26	11,911	−57.1	----	19	12,129	−54.9	----	12	11,732	−58.0	----
175	17	12,650	−60.1	----	14	12,832	−56.3	----	25	13,087	−63.1	----	21	13,026	−62.3	----	22	12,738	−58.1	----	8	12,976	−57.9	----	8	12,588	−58.9	----
150	11	13,624	−60.8	----	5	13,842	−59.2	----	25	14,024	−67.4	----	17	13,973	−65.4	----	15	13,715	−58.8	----	----	------	------	----	6	13,561	−56.6	----
125	6	14,746	−59.7	----	----	------	------	----	17	15,135	−71.2	----	8	15,047	−68.0	----	6	14,867	−60.1	----	----	------	------	----	----	------	------	----
100	----	------	------	----	----	------	------	----	7	16,415	−72.8	----	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----

Standard pressure surface (mb.)	Boise, Idaho (918.4 mb.)				Brownsville, Tex. (1,015.1 mb.)				Buffalo, N. Y. (992.4 mb.)				Burrwood, La. (1,017.1 mb.)				Caribou, Maine (992.7 mb.)				Charleston, S. C. (1,019.0 mb.)				Ciudad Victoria, Mexico (976.3 mb.)			
Surface	24	868	3.0	74	30	6	20.2	81	30	221	6.6	73	30	2	20.5	86	30	191	−1.2	83	30	14	15.1	87	29	335	20.3	73
1,000	24	172	(*)	----	30	135	19.9	80	30	156	(*)	----	30	148	19.8	85	30	131	(*)	----	30	174	16.7	80	29	125	(*)	----
950	24	597	(*)	----	30	580	17.8	79	30	582	5.5	70	30	595	17.6	81	30	543	−2.8	82	30	613	15.2	77	29	570	19.1	72
900	24	1,032	4.2	68	30	1,039	16.2	76	30	1,019	3.3	72	30	1,052	15.9	71	30	968	−4.6	83	30	1,068	13.4	68	28	1,033	16.5	73
850	24	1,496	2.7	59	30	1,525	15.0	61	30	1,481	.9	69	30	1,537	13.8	60	30	1,418	−5.4	78	30	1,549	11.7	63	28	1,518	14.3	72
800	24	1,984	−.1	63	30	2,038	13.5	55	30	1,966	−.8	61	30	2,048	11.7	55	30	1,893	−6.8	71	30	2,054	9.7	55	27	2,031	12.6	68
750	24	2,505	−2.9	61	30	2,583	11.1	51	30	2,489	−2.1	54	30	2,591	9.5	46	30	2,400	−8.4	67	30	2,590	7.3	----	26	2,571	10.3	67
700	24	3,043	−5.5	65	30	3,154	8.2	47	30	3,028	−4.3	48	30	3,156	6.5	41	29	2,930	−10.5	62	30	3,153	4.4	----	26	3,143	7.5	60
650	24	3,626	−8.8	69	29	3,764	4.9	44	29	3,617	−7.0	51	30	3,765	3.4	40	29	3,502	−12.4	59	30	3,754	1.2	----	23	3,745	4.1	59
600	23	4,234	−12.3	67	28	4,412	1.0	43	29	4,233	−9.9	46	30	4,407	−.4	37	29	4,105	−15.8	56	30	4,394	−2.3	----	21	4,393	.3	48
550	23	4,896	−16.2	59	28	5,105	−3.5	----	29	4,905	−13.5	----	30	5,099	−4.5	----	29	4,759	−19.3	57	30	5,076	−6.4	----	19	5,084	−3.5	----
500	23	5,605	−21.0	----	26	5,856	−7.9	----	29	5,617	−17.9	----	30	5,843	−9.1	----	28	5,468	−22.9	----	30	5,818	−11.2	----	19	5,834	−8.0	----
450	23	6,384	−26.3	----	26	6,674	−12.7	----	28	6,409	−23.0	----	29	6,658	−14.5	----	28	6,243	−28.1	----	29	6,621	−16.9	----	17	6,655	−12.6	----
400	23	7,218	−32.3	----	26	7,557	−18.6	----	25	7,262	−29.0	----	28	7,537	−20.2	----	28	7,070	−33.5	----	29	7,492	−23.0	----	15	7,544	−18.7	----
350	23	8,146	−39.0	----	26	8,537	−25.7	----	24	8,201	−36.0	----	28	8,512	−27.7	----	28	7,995	−39.5	----	29	8,457	−30.3	----	11	8,532	−26.2	----
300	22	9,175	−47.2	----	25	9,634	−34.1	----	22	9,245	−44.1	----	28	9,602	−36.0	----	25	9,024	−45.8	----	29	9,535	−38.4	----	10	9,625	−34.8	----
250	22	10,359	−54.8	----	25	10,884	−43.5	----	17	10,464	−51.8	----	28	10,843	−45.3	----	25	10,224	−50.8	----	29	10,763	−48.0	----	10	10,874	−45.0	----
200	16	11,780	−58.8	----	24	12,351	−53.7	----	12	11,890	−58.4	----	27	12,299	−55.7	----	20	11,681	−54.5	----	29	12,200	−58.2	----	10	12,324	−57.2	----
175	10	12,625	−57.8	----	22	13,208	−58.5	----	8	12,776	−60.8	----	14	13,150	−61.4	----	18	12,357	−55.9	----	28	13,032	−62.6	----	10	13,157	−63.3	----
150	6	13,611	−58.0	----	17	14,164	−63.0	----	7	13,745	−62.6	----	7	14,094	−65.5	----	13	13,527	−55.2	----	23	13,981	−65.9	----	10	14,092	−68.2	----
125	----	------	------	----	5	15,247	−67.2	----	----	------	------	----	----	------	------	----	5	14,661	−54.4	----	19	15,078	−68.6	----	----	------	------	----
100	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----	7	16,372	−69.5	----	----	------	------	----

See footnotes at end of table.

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

Standard pressure surface (mb.)	Columbia, Mo. (990.7 mb.)				Dodge City, Kans. (925.6 mb.)				El Paso, Tex. (882.6 mb.)				Ely, Nev. (808.7 mb.)				Ft. Worth, Tex. (993.2 mb.)				Glasgow, Mont. (940.3 mb.)				Grand Junction, Colo. (853.6 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	239	7.2	72	30	787	4.2	78	30	1,195	10.9	38	30	1,908	−1.9	80	29	211	13.1	67	30	648	−4.5	75	30	1,474	3.0	65
1,000	30	160	(*)	----	30	148	(*)	----	30	131	(*)	----	30	178	(*)	----	29	153	(*)	----	30	157	(*)	----	30	169	(*)	----
950	30	591	7.0	67	30	574	(*)	----	30	578	(*)	----	30	605	(*)	----	29	591	12.9	58	30	567	(*)	----	30	602	(*)	----
900	30	1,028	6.4	62	30	1,015	5.7	68	30	1,035	(*)	----	30	1,046	(*)	----	29	1,038	11.9	51	30	994	−2.9	71	30	1,048	(*)	----
850	30	1,497	6.2	54	30	1,483	5.5	59	30	1,509	11.1	38	30	1,507	(*)	----	29	1,516	10.8	45	30	1,447	−3.0	67	30	1,509	(*)	----
800	30	1,992	4.6	53	30	1,978	5.2	53	30	2,012	7.9	39	30	1,994	.0	71	29	2,020	9.1	44	30	1,925	−4.6	66	30	1,999	1.5	59
750	30	2,524	2.9	50	30	2,509	3.1	47	30	2,547	4.7	37	30	2,516	−1.5	60	29	2,556	6.8	40	30	2,437	−6.1	63	30	2,523	−1.1	63
700	30	3,073	.3	45	30	3,060	.6	40	30	3,100	1.9	36	30	3,058	−4.2	58	29	3,117	4.0	38	30	2,970	−8.5	63	30	3,064	−4.5	67
650	30	3,668	−2.4	44	30	3,654	−2.8	39	30	3,696	−1.9	33	30	3,643	−7.0	58	28	3,720	.5	35	30	3,544	−11.3	62	30	3,646	−7.6	60
600	30	4,296	−5.8	38	30	4,281	−6.8	36	30	4,325	−5.6	----	30	4,259	−10.8	57	28	4,356	−3.4	34	30	4,152	−14.7	60	30	4,262	−11.1	58
550	30	4,973	−10.2	39	30	4,954	−11.2	39	30	5,001	−10.1	----	30	4,928	−14.5	52	27	5,040	−7.8	----	30	4,805	−18.7	59	30	4,926	−15.1	53
500	30	5,700	−14.9	40	30	5,679	−16.4	39	30	5,730	−14.9	----	30	5,639	−19.1	55	27	5,773	−12.6	----	30	5,509	−23.5	----	30	5,640	−19.7	50
450	30	6,501	−20.4	43	30	6,469	−22.0	----	30	6,522	−20.6	----	30	6,424	−24.3	----	27	6,574	−18.2	----	30	6,276	−28.6	----	30	6,418	−25.1	----
400	30	7,351	−26.6	----	30	7,320	−28.3	----	29	7,376	−26.7	----	30	7,263	−30.6	----	26	7,442	−24.6	----	27	7,115	−33.8	----	29	7,262	−31.0	----
350	29	8,302	−33.7	----	30	8,262	−35.3	----	29	8,326	−33.5	----	30	8,198	−37.7	----	26	8,400	−31.7	----	24	8,037	−40.2	----	29	8,195	−38.2	----
300	28	9,367	−41.5	----	29	9,328	−42.5	----	29	9,391	−40.8	----	29	9,245	−45.2	----	25	9,473	−39.5	----	21	9,087	−47.4	----	27	9,241	−45.5	----
250	27	10,531	−50.3	----	28	10,536	−50.8	----	29	10,610	−48.4	----	29	10,444	−51.4	----	22	10,700	−47.9	----	16	10,295	−54.4	----	26	10,437	−51.3	----
200	20	12,012	−58.1	----	27	11,958	−57.4	----	29	12,053	−56.3	----	28	11,871	−56.5	----	15	12,148	−57.4	----	6	11,669	−54.3	----	22	11,868	−55.5	----
175	14	12,862	−60.5	----	25	12,790	−60.0	----	25	12,891	−59.9	----	24	12,713	−57.6	----	8	12,987	−63.8	----	----	----	----	----	17	12,726	−56.3	----
150	----	----	----	----	20	13,750	−60.2	----	17	13,848	−61.7	----	18	13,650	−57.8	----	----	----	----	----	----	----	----	----	7	13,712	−58.0	----
125	----	----	----	----	10	14,862	−60.1	----	7	14,975	−65.4	----	10	14,787	−59.3	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Great Falls, Mont. (886.3 mb.)				Greensboro, N. C. (989.5 mb.)				Hatteras, N. C. (1,020.6 mb.)				Havana, Cuba [1] (---- mb.)				Honolulu, T. H. (1,013.9 mb.)				Huntington, W. Va. (1,000.7 mb.)				International Falls, Minn. (975.1 mb.)			
Surface	30	1,128	−2.3	70	30	273	9.9	79	30	3	16.3	83	----	----	----	----	30	3	24.9	68	30	172	7.5	80	29	359	−4.7	80
1,000	30	157	(*)	----	30	185	(*)	----	30	177	16.2	77	----	----	----	----	30	124	23.6	69	30	177	(*)	----	29	159	(*)	----
950	30	576	(*)	----	30	615	11.7	67	30	615	13.9	73	----	----	----	----	30	576	19.7	74	30	605	9.4	64	29	568	−4.6	78
900	30	1,008	(*)	----	30	1,065	9.4	67	30	1,066	11.6	64	----	----	----	----	30	1,035	16.4	76	30	1,051	7.8	63	29	988	−5.6	77
850	30	1,461	−1.1	61	30	1,538	7.8	62	30	1,543	10.2	50	----	----	----	----	30	1,521	13.8	71	30	1,521	6.2	51	29	1,436	−5.9	70
800	30	1,943	−3.1	59	30	2,037	6.6	51	30	2,047	8.8	40	----	----	----	----	30	2,031	11.7	62	30	2,016	4.8	44	29	1,911	−6.1	66
750	30	2,458	−4.6	59	30	2,573	4.9	42	30	2,585	6.5	39	----	----	----	----	30	2,576	10.0	44	30	2,544	3.0	41	29	2,421	−7.8	62
700	30	2,993	−7.0	60	30	3,126	2.4	40	30	3,142	4.1	30	----	----	----	----	30	3,141	7.3	34	30	3,097	.8	38	29	2,949	−10.1	63
650	30	3,574	−10.3	60	30	3,724	−.7	37	30	3,743	.9	----	----	----	----	----	30	3,748	4.4	25	30	3,691	−1.9	----	29	3,525	−12.3	60
600	30	4,180	−14.0	60	30	4,357	−4.4	36	30	4,379	−2.9	----	----	----	----	----	30	4,394	.8	----	30	4,323	−5.3	----	29	4,127	−15.3	56
550	30	4,837	−18.3	60	30	5,036	−8.7	36	29	5,065	−7.0	----	----	----	----	----	29	5,084	−3.8	----	28	5,005	−9.4	----	28	4,774	−19.1	58
500	30	5,540	−23.0	----	30	5,769	−13.3	----	28	5,803	−11.4	----	----	----	----	----	29	5,830	−8.8	----	28	5,733	−14.2	----	27	5,477	−23.1	----
450	30	6,309	−28.3	----	30	6,568	−18.9	----	28	6,606	−16.8	----	----	----	----	----	29	6,646	−14.8	----	28	6,526	−19.5	----	27	6,250	−28.3	----
400	30	7,138	−34.0	----	29	7,427	−25.6	----	28	7,477	−22.8	----	----	----	----	----	29	7,518	−21.4	----	28	7,389	−25.6	----	26	7,081	−34.0	----
350	30	8,061	−40.2	----	29	8,380	−32.9	----	27	8,445	−30.0	----	----	----	----	----	29	8,487	−28.8	----	28	8,343	−33.0	----	25	7,997	−41.0	----
300	30	9,096	−47.3	----	29	9,446	−41.3	----	26	9,524	−38.3	----	----	----	----	----	27	9,576	−37.2	----	26	9,399	−41.2	----	20	9,074	−47.8	----
250	25	10,306	−54.1	----	29	10,658	−51.2	----	25	10,745	−47.7	----	----	----	----	----	27	10,810	−46.4	----	25	10,613	−50.1	----	16	10,277	−54.6	----
200	15	11,717	−58.2	----	26	12,076	−60.6	----	21	12,176	−57.8	----	----	----	----	----	15	12,276	−55.5	----	16	12,050	−58.9	----	10	11,757	−55.7	----
175	7	12,569	−56.7	----	24	12,904	−64.2	----	19	13,009	−66.5	----	----	----	----	----	9	13,123	−59.9	----	11	12,908	−61.5	----	7	12,589	−54.7	----
150	----	----	----	----	17	13,862	−65.3	----	13	13,958	−64.6	----	----	----	----	----	5	14,085	−64.2	----	----	----	----	----	----	----	----	----
125	----	----	----	----	12	14,954	−66.6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Joliet, Ill. (998.0 mb.)				Lake Charles, La. (1,017.3 mb.)				Lander, Wyo. (828.1 mb.)				Las Vegas, Nev. (950.7 mb.)				Little Rock, Ark. (1,010.0 mb.)				Mazatlan, Mexico (1,010.1 mb.)				Medford, Oreg. (970.1 mb.)			
Surface	30	178	4.4	82	29	5	16.4	89	30	1,696	−1.8	68	29	574	10.6	55	30	79	11.2	83	30	14	23.8	74	30	401	7.0	77
1,000	30	161	(*)	----	29	151	17.0	82	30	160	(*)	----	29	148	(*)	----	30	162	11.8	76	30	102	23.1	71	30	150	(*)	----
950	30	581	4.3	71	29	597	16.2	75	30	585	(*)	----	29	579	(*)	----	30	597	11.2	70	30	552	22.5	58	30	578	7.5	73
900	30	1,019	3.5	59	29	1,048	15.2	68	30	1,027	(*)	----	29	1,032	10.4	45	30	1,043	11.0	61	30	1,018	19.9	59	30	1,017	5.3	69
850	30	1,482	3.1	50	29	1,531	13.0	64	30	1,485	(*)	----	29	1,505	7.3	46	30	1,519	9.7	55	30	1,509	17.3	56	30	1,482	2.5	72
800	30	1,973	2.1	44	29	2,040	11.0	54	30	1,972	.8	54	29	2,001	4.3	45	30	2,021	8.1	52	30	2,024	14.5	46	30	1,969	.0	73
750	30	2,498	.5	41	29	2,584	9.1	44	30	2,493	−1.6	50	29	2,525	1.0	42	30	2,558	6.1	51	30	2,572	11.2	42	30	2,489	−2.5	70
700	30	3,044	−1.9	44	28	3,146	6.5	38	30	3,035	−4.9	51	29	3,075	−2.0	42	30	3,115	3.3	50	30	3,139	7.7	38	30	3,028	−5.4	63
650	30	3,634	−4.8	43	28	3,752	3.1	37	30	3,619	−8.6	54	29	3,660	−5.3	45	30	3,713	.1	45	28	3,749	4.1	35	29	3,619	−8.9	59
600	30	4,256	−8.2	43	28	4,394	−1.1	40	30	4,231	−11.5	51	29	4,285	−8.9	44	28	4,350	−3.6	----	26	4,390	.5	----	29	4,222	−11.9	56
550	30	4,929	−12.3	45	28	5,081	−5.2	42	30	4,898	−15.8	54	29	4,950	−13.1	43	27	5,035	−7.9	----	26	5,083	−3.6	----	29	4,887	−15.7	49
500	30	5,650	−16.7	44	28	5,824	−9.9	46	30	5,605	−20.5	56	29	5,672	−18.2	----	27	5,769	−12.7	----	26	5,830	−8.4	----	29	5,595	−20.1	53
450	30	6,440	−22.0	----	28	6,634	−15.5	41	30	6,385	−25.9	----	29	6,453	−23.3	----	27	6,571	−18.3	----	25	6,645	−13.7	----	28	6,374	−25.2	----
400	30	7,291	−28.0	----	28	7,507	−21.7	----	30	7,219	−32.2	----	28	7,299	−29.4	----	27	7,433	−24.7	----	25	7,524	−19.8	----	28	7,213	−30.9	----
350	30	8,236	−35.0	----	28	8,477	−28.6	----	27	8,156	−39.2	----	28	8,238	−36.3	----	27	8,391	−31.6	----	24	8,500	−27.4	----	28	8,147	−37.3	----
300	30	9,294	−42.6	----	28	9,563	−36.4	----	27	9,194	−47.1	----	27	9,293	−43.3	----	26	9,466	−39.3	----	23	9,593	−35.6	----	28	9,195	−44.5	----
250	28	10,513	−50.9	----	27	10,804	−45.3	----	27	10,382	−53.8	----	27	10,503	−49.7	----	25	10,691	−48.5	----	19	10,840	−45.4	----	27	10,394	−51.9	----
200	26	11,943	−58.7	----	27	12,258	−55.5	----	24	11,810	−58.6	----	24	11,940	−55.4	----	23	12,129	−58.5	----	18	12,293	−57.0	----	26	11,824	−57.8	----
175	21	12,767	−61.0	----	25	13,102	−60.4	----	20	12,644	−58.1	----	22	12,782	−57.4	----	20	12,969	−62.9	----	11	13,116	−62.1	----	22	12,658	−58.4	----
150	16	13,730	−61.2	----	20	14,060	−64.9	----	12	13,635	−60.3	----	19	13,743	−60.0	----	13	13,925	−66.1	----	9	14,067	−67.3	----	16	13,644	−58.9	----
125	9	14,870	−62.8	----	8	15,137	−68.0	----	5	14,779	−59.2	----	10	14,889	−61.3	----	----	----	----	----	----	----	----	----	11	14,794	−60.0	----
100	5	16,289	−61.9	----	----	----	----	----	----	----	----	----	6	16,207	−60.4	----	----	----	----	----	----	----	----	----	5	16,168	−58.1	----

See footnotes at end of table.

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

Standard pressure surface (mb.)	Merida, Mexico (1,010.9 mb.)				Miami, Fla. (1,016.6 mb.)				Nantucket, Mass. (1,017.5 mb.)				Nashville, Tenn. (999.1 mb.)				North Platte, Nebr. (918.3 mb.)				Oakland, Calif. (1,017.1 mb.)				Ogden, Utah (866.0 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	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	30	27	25.7	78	30	4	22.6	87	30	14	8.9	78	30	180	11.9	72	30	849	.7	81	30	2	11.4	71	30	1,355	2.6	70
1,000	30	123	25.0	77	30	148	22.9	83	30	156	9.0	74	30	171	(*)	----	30	154	(*)	----	30	144	11.5	68	30	170	(*)	----
950	30	576	22.4	75	30	595	20.0	83	30	583	7.2	69	30	604	11.6	67	30	576	(*)	----	30	575	9.8	61	30	600	(*)	----
900	30	1,042	19.3	78	30	1,059	17.1	80	30	1,025	5.4	57	30	1,053	10.1	65	30	1,011	3.1	71	30	1,018	7.8	54	30	1,012	(*)	----
850	30	1,533	16.4	76	30	1,545	13.9	79	30	1,490	3.9	47	30	1,528	9.0	53	30	1,475	3.5	56	30	1,488	5.9	46	30	1,506	3.9	61
800	30	2,046	13.1	75	30	2,055	11.5	71	30	1,982	2.4	40	30	2,028	7.2	47	30	1,967	2.5	46	30	1,982	3.4	48	30	1,996	1.0	59
750	30	2,591	10.6	60	30	2,598	9.0	58	30	2,506	−.1	43	30	2,562	5.2	39	30	2,495	.1	42	30	2,508	1.0	44	30	2,516	−2.5	62
700	30	3,160	8.2	49	29	3,161	6.3	45	30	3,051	−2.6	40	30	3,118	2.7	----	30	3,036	−3.1	42	30	3,055	−1.7	42	30	3,056	−5.8	65
650	29	3,771	5.3	41	29	3,769	3.2	39	30	3,608	−4.9	36	29	3,715	−.2	----	30	3,626	−6.4	43	30	3,643	−4.8	39	30	3,636	−9.0	62
600	29	4,419	1.3	43	29	4,410	−.3	35	30	4,262	−7.8	----	29	4,352	−3.7	----	30	4,241	−9.8	43	30	4,268	−8.3	44	30	4,250	−12.3	60
550	27	5,111	−2.6	38	29	5,102	−4.5	----	30	4,935	−11.7	----	29	5,030	−7.9	----	30	4,914	−13.8	48	30	4,940	−12.3	45	30	4,910	−16.2	54
500	27	5,863	−7.3	34	29	5,845	−9.3	----	29	5,659	−16.2	----	28	5,767	−12.6	----	30	5,626	−18.4	48	27	5,671	−16.7	46	29	5,620	−20.7	52
450	27	6,680	−12.5	----	29	6,663	−14.7	----	27	6,444	−21.6	----	28	6,568	−18.1	----	30	6,413	−24.1	----	27	6,458	−22.2	----	29	6,394	−25.9	----
400	27	7,567	−18.6	----	29	7,534	−20.7	----	27	7,299	−27.6	----	28	7,434	−24.3	----	30	7,251	−30.7	----	27	7,312	−28.2	----	28	7,229	−32.2	----
350	27	8,547	−26.5	----	28	8,506	−28.2	----	27	8,246	−34.3	----	27	8,392	−31.6	----	30	8,184	−38.0	----	27	8,257	−34.2	----	26	8,171	−38.9	----
300	27	9,640	−35.1	----	28	9,592	−36.6	----	27	9,306	−42.1	----	27	9,463	−39.6	----	30	9,228	−45.6	----	26	9,318	−40.9	----	25	9,206	−46.3	----
250	27	10,883	−45.5	----	28	10,829	−46.2	----	26	10,509	−50.4	----	24	10,680	−48.6	----	29	10,433	−52.3	----	25	10,541	−47.5	----	24	10,393	−52.7	----
200	27	12,331	−57.3	----	26	12,280	−56.5	----	24	11,960	−58.5	----	21	12,111	−57.5	----	29	11,856	−57.4	----	21	12,004	−53.6	----	23	11,807	−56.9	----
175	24	13,161	−63.5	----	24	13,117	−62.0	----	21	12,795	−60.0	----	14	12,959	−60.7	----	25	12,689	−58.5	----	11	12,845	−54.0	----	21	12,647	−56.6	----
150	19	14,096	−69.2	----	19	14,069	−66.6	----	13	13,775	−61.6	----	9	13,925	−63.2	----	14	13,661	−59.4	----	5	13,851	−55.1	----	18	13,621	−57.1	----
125	11	15,160	−73.2	----	11	15,163	−70.3	----	8	14,891	−61.9	----	----	------	------	----	7	14,816	−59.0	----	----	------	------	----	8	14,755	−57.1	----

Standard pressure surface (mb.)	Oklahoma City, Okla. (972.0 mb.)				Omaha, Nebr. (981.6 mb.)				Phoenix, Ariz. (976.1 mb.)				Pittsburgh, Pa. (975.3 mb.)				Portland, Maine (1,015.5 mb.)				Rapid City, S. Dak. (902.7 mb.)				St. Paul, Minn. (991.1 mb.)			
Surface	30	391	9.1	76	30	308	4.5	73	30	339	11.3	64	30	382	7.5	70	30	20	4.4	75	30	980	−.5	72	30	225	.7	77
1,000	30	152	(*)	----	30	156	(*)	----	30	133	(*)	----	30	174	(*)	----	30	144	5.1	72	30	147	(*)	----	30	151	(*)	----
950	30	585	9.9	67	30	580	4.6	67	30	573	15.7	44	30	605	7.4	66	30	565	3.7	69	30	569	(*)	----	30	567	−.1	73
900	30	1,029	9.6	59	30	1,014	3.8	61	30	1,025	13.0	42	30	1,042	5.8	63	30	1,000	1.9	67	30	1,003	(*)	----	30	996	−.8	65
850	30	1,504	8.9	54	30	1,478	3.6	51	30	1,502	9.6	45	30	1,509	4.1	56	30	1,460	.7	61	30	1,462	.6	58	30	1,452	−1.4	58
800	30	2,005	7.3	48	30	1,970	2.4	44	30	2,002	6.1	46	30	2,000	2.6	47	30	1,946	−1.0	56	30	1,948	−.5	50	30	1,934	−2.3	53
750	30	2,541	5.3	44	30	2,493	.3	42	30	2,536	2.8	48	30	2,529	.9	42	30	2,463	−3.1	54	30	2,466	−2.6	52	30	2,452	−4.2	53
700	30	3,095	2.7	42	30	3,039	−2.0	40	30	3,083	−.3	42	30	3,073	−1.1	42	30	3,003	−5.4	51	30	3,006	−5.4	54	30	2,988	−6.1	46
650	29	3,694	−.6	35	30	3,631	−5.0	36	30	3,679	−3.8	38	30	3,666	−4.0	44	30	3,587	−8.1	52	30	3,589	−8.7	54	30	3,571	−8.6	45
600	29	4,325	−4.6	----	30	4,250	−8.5	32	29	4,298	−7.8	----	30	4,289	−7.3	46	30	4,200	−11.2	54	30	4,200	−12.0	55	30	4,183	−11.6	42
550	29	5,005	−9.2	----	30	4,922	−12.5	31	28	4,970	−12.1	----	30	4,965	−11.5	45	30	4,865	−14.7	50	28	4,871	−15.2	48	30	4,848	−15.4	45
500	28	5,731	−14.3	----	30	5,642	−17.4	----	27	5,688	−17.4	----	30	5,686	−16.0	----	30	5,579	−19.3	56	26	5,583	−19.7	----	30	5,558	−20.2	49
450	28	6,528	−19.6	----	30	6,427	−22.5	----	26	6,482	−23.1	----	30	6,477	−21.1	----	30	6,362	−21.4	----	26	6,361	−25.2	----	30	6,336	−25.9	----
400	28	7,387	−25.8	----	30	7,276	−29.1	----	26	7,320	−29.2	----	30	7,332	−27.3	----	30	7,204	−29.8	----	24	7,198	−31.4	----	30	7,173	−32.0	----
350	28	8,341	−32.6	----	30	8,217	−36.0	----	25	8,258	−35.5	----	30	8,279	−34.2	----	30	8,143	−36.3	----	24	8,129	−38.3	----	30	8,102	−38.9	----
300	28	9,410	−40.0	----	29	9,279	−43.4	----	25	9,317	−41.5	----	30	9,340	−41.9	----	29	9,197	−43.6	----	19	9,167	−45.7	----	30	9,144	−45.9	----
250	27	10,629	−48.7	----	28	10,483	−50.9	----	21	10,541	−48.0	----	30	10,550	−50.8	----	29	10,401	−51.6	----	15	10,381	−52.0	----	30	10,338	−52.8	----
200	25	12,074	−56.3	----	25	11,908	−57.2	----	19	11,980	−53.5	----	25	11,969	−60.1	----	29	11,825	−58.2	----	9	11,829	−57.8	----	26	11,766	−58.3	----
175	19	12,917	−60.0	----	21	12,741	−58.2	----	16	12,846	−57.1	----	20	12,788	−62.5	----	26	12,653	−59.3	----	5	12,645	−55.7	----	24	12,591	−60.2	----
150	14	13,877	−62.2	----	7	13,672	−57.6	----	13	13,815	−60.9	----	13	13,673	−63.0	----	14	13,681	−59.1	----	----	------	------	----	17	13,569	−59.0	----
125	5	14,993	−67.5	----	----	------	------	----	9	14,928	−63.2	----	5	14,832	−61.2	----	10	14,841	−60.0	----	----	------	------	----	11	14,703	−58.9	----

Standard pressure surface (mb.)	San Antonio, Tex. (989.0 mb.)				San Juan, P. R. (1,012.1 mb.)				Santa Maria, Calif. (1,008.4 mb.)				Sault Ste. Marie, Mich. (988.4 mb.)				Spokane, Wash. (946.5 mb.)				Swan Island, W. I. (1,011.7 mb.)				Tacubaya, Mexico (774.3 mb.)			
Surface	30	240	14.3	82	30	15	24.8	84	30	71	11.3	74	27	221	2.0	83	30	598	1.8	84	30	10	25.8	81	30	2,306	14.7	65
1,000	30	145	(*)	----	30	121	24.2	85	30	141	11.4	71	27	126	(*)	----	30	150	(*)	----	30	112	25.0	81	30	76	(*)	----
950	30	582	14.8	73	30	576	21.5	87	30	573	11.1	54	27	540	.5	83	30	569	(*)	----	30	566	21.8	83	30	534	(*)	----
900	30	1,038	13.8	70	30	1,038	18.8	85	30	1,019	9.4	48	37	972	−1.8	80	30	1,003	.7	81	30	1,031	18.8	81	30	1,011	(*)	----
850	30	1,519	12.6	63	30	1,528	16.0	81	30	1,490	6.7	48	27	1,425	−3.4	73	30	1,461	−1.0	78	30	1,520	16.2	75	30	1,504	(*)	----
800	30	2,027	11.5	50	30	2,042	13.4	76	30	1,986	4.7	39	27	1,903	−5.3	77	30	1,944	−3.0	73	30	2,034	13.4	72	30	2,029	(*)	----
750	30	2,565	9.0	45	30	2,587	10.9	66	30	2,514	2.5	----	27	2,416	−7.1	65	28	2,459	−5.6	68	30	2,580	10.6	63	30	2,579	12.8	66
700	30	3,133	6.0	44	30	3,157	8.0	53	30	3,064	−.1	----	27	2,945	−8.3	55	28	2,995	−8.4	60	30	3,149	7.6	61	30	3,152	8.7	72
650	29	3,736	2.9	39	30	3,769	4.4	50	30	3,657	−3.6	----	27	3,524	−11.0	51	28	3,570	−11.6	54	30	3,759	4.2	56	30	3,764	4.2	80
600	27	4,380	−1.3	----	30	4,413	1.0	48	30	4,282	−6.9	----	27	4,128	−13.9	48	28	4,176	−15.2	53	30	4,405	1.1	46	30	4,410	.5	73
550	27	5,065	−5.8	----	30	5,110	−2.9	45	30	4,957	−11.3	----	27	4,786	−18.1	47	27	4,831	−19.1	53	30	5,094	−2.7	41	29	5,106	−3.3	60
500	27	5,808	−10.6	----	30	5,857	−7.4	48	30	5,679	−16.4	----	27	5,490	−22.5	----	26	5,524	−23.6	----	30	5,850	−7.0	40	29	5,851	−7.6	46
450	27	6,613	−15.9	----	30	6,678	−12.3	52	28	6,467	−22.0	----	27	6,263	−27.2	----	26	6,293	−28.3	----	30	6,670	−12.0	40	29	6,674	−12.6	41
400	26	7,488	−22.0	----	30	7,562	−18.2	52	27	7,334	−27.3	----	26	7,101	−32.8	----	26	7,122	−33.7	----	30	7,558	−17.4	----	29	7,544	−18.5	41
350	24	8,459	−28.8	----	29	8,544	−25.4	----	27	8,283	−33.6	----	25	8,017	−39.3	----	25	8,060	−39.6	----	29	8,545	−24.5	----	29	8,536	−25.8	----
300	21	9,545	−36.5	----	29	9,643	−33.8	----	26	9,358	−40.3	----	24	9,051	−45.9	----	25	9,097	−46.7	----	29	9,648	−33.1	----	29	9,634	−34.5	----
250	18	10,785	−45.2	----	29	10,897	−43.3	----	24	10,577	−47.3	----	23	10,242	−51.5	----	19	10,284	−54.2	----	29	10,903	−43.4	----	29	10,881	−44.8	----
200	18	12,242	−54.8	----	28	12,362	−53.9	----	18	12,029	−53.1	----	18	11,674	−55.8	----	16	11,726	−58.4	----	27	12,363	−55.6	----	29	12,333	−56.8	----
175	14	13,087	−59.8	----	22	13,205	−59.8	----	14	12,857	−56.7	----	13	12,560	−56.2	----	14	12,561	−56.5	----	26	13,201	−62.4	----	27	13,170	−63.3	----
150	9	14,033	−64.9	----	17	14,155	−65.9	----	12	13,805	−58.6	----	11	13,522	−56.2	----	8	13,523	−55.5	----	20	14,138	−69.0	----	17	14,100	−69.4	----
125	5	15,149	−67.9	----	9	15,237	−69.8	----	----	------	------	----	5	14,726	−56.7	----	5	14,703	−57.2	----	11	15,225	−73.9	----	7	15,144	−74.3	----

See footnotes at end of table.

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

Standard pressure surface (mb.)	Tampa, Fla. (1,016.8 mb.)				Tatoosh Island, Wash. (1,011.8 mb.)				Toledo, Ohio (996.5 mb.)				Washington, D. C. (1,018.8 mb.)			
	Number of observations	Height	Temperature	Relative humidity	Number of observations	Height	Temperature	Relative humidity	Number of observations	Height	Temperature	Relative humidity	Number of observations	Height	Temperature	Relative humidity
Surface	26	9	21.1	86	30	31	6.6	84	30	191	5.8	81	30	25	10.9	67
1,000	26	153	21.1	84	30	127	(*)	----	30	160	(*)	----	30	180	10.6	63
950	26	598	18.8	81	30	550	4.2	75	30	583	6.0	72	30	608	8.6	61
900	26	1,060	16.0	81	30	984	1.8	74	30	1,024	4.8	63	30	1,053	7.3	55
850	26	1,545	13.1	78	30	1,443	−.7	71	30	1,490	3.7	51	30	1,522	6.1	48
800	26	2,053	10.9	65	30	1,925	−3.1	69	30	1,981	1.9	50	30	2,018	4.9	41
750	26	2,591	8.3	56	30	2,442	−5.4	60	30	2,506	.0	52	30	2,548	2.9	40
700	26	3,156	5.8	46	30	2,973	−8.2	56	30	3,051	−1.9	53	30	3,099	.3	37
650	26	3,762	2.9	----	30	3,553	−11.2	52	29	3,640	−4.6	46	30	3,695	−2.6	36
600	26	4,404	−.6	----	30	4,156	−14.5	50	29	4,265	−8.0	44	30	4,321	−6.0	----
550	26	5,093	−4.6	----	30	4,813	−18.2	48	29	4,936	−12.2	----	30	4,999	−10.2	----
500	26	5,837	−9.5	----	30	5,516	−22.8	----	29	5,659	−16.8	----	30	5,726	−14.7	----
450	26	6,645	−15.0	----	30	6,286	−27.7	----	29	6,445	−22.1	----	30	6,521	−20.3	----
400	26	7,522	−21.1	----	30	7,119	−33.0	----	29	7,299	−28.8	----	30	7,379	−26.5	----
350	25	8,491	−28.3	----	26	8,070	−38.2	----	28	8,242	−34.8	----	30	8,329	−34.1	----
300	25	9,577	−36.7	----	26	9,116	−44.5	----	28	9,300	−42.7	----	30	9,389	−42.4	----
250	25	10,814	−46.1	----	22	10,317	−50.4	----	24	10,506	−51.3	----	28	10,605	−51.4	----
200	24	12,262	−56.8	----	7	11,754	−53.5	----	21	11,924	−59.3	----	23	12,041	−60.0	----
175	23	13,093	−62.1	----	----	----	----	----	18	12,771	−60.5	----	20	12,884	−62.8	----
150	19	14,043	−65.7	----	----	----	----	----	15	13,755	−61.4	----	17	13,847	−64.9	----
125	12	15,165	−70.3	----	----	----	----	----	8	14,870	−62.5	----	8	14,924	−65.2	----

[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 Ciudad Victoria, Mazalan, 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.

LATE REPORT FOR HAVANA, CUBA

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

STATION AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Havana, Cuba (1,007.2 mb.)			
	Number of observations	Height	Temperature	Relative humidity
Surface	28	50	23.9	88
1,000	28	116	24.3	85
950	28	567	21.6	83
900	28	1,032	18.9	77
850	28	1,521	16.0	76
800	28	2,035	13.2	71
750	28	2,582	11.6	47
700	28	3,151	8.7	46
650	28	3,764	5.3	43
600	28	4,411	1.5	39
550	28	5,108	−2.2	36

Standard pressure surface (mb.)	Havana, Cuba (1,007.2 mb.)			
	Number of observations	Height	Temperature	Relative humidity
500	28	5,859	−6.6	----
450	28	6,679	−12.0	----
400	28	7,567	−18.1	----
350	28	8,550	−25.6	----
300	27	9,646	−34.3	----
250	26	10,894	−44.6	----
200	23	12,354	−56.1	----
175	16	13,194	−62.7	----
150	12	14,116	−68.7	----
125	6	15,158	−72.6	----