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METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR NOVEMBER 1945

AEROLOGICAL OBSERVATIONS

TABLE 1.—*Mean free-air barometric pressure in millibars, temperature in degrees centigrade, and relative humidity in percent, obtained by radiosondes during November 1945*

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL

Altitude (meters) m. s. l.	Albany, N. Y. (93 m.)				Albuquerque, N. Mex. (1,620 m.)				Apalachicola, Fla. (5 m.)				Atlanta, Ga. (300 m.)				Big Spring, Tex. (774 m.)				Bismarck, N. Dak. (505 m.)				Boise, Idaho (868 m.)			
	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity
Surface	30	1,006	4.1	79	30	838	8.5	25	30	1,019	15.7	81	30	985	10.5	78	30	927	12.4	47	30	953	−4.3	80	29	916	4.1	76
500	30	956	2.5	79					30	962	15.3	65	30	962	11.8	69												
1,000	30	899	0.5	79					30	906	12.2	60	30	906	9.1	70	30	903	14.8	40	30	895	−2.0	70	29	901	5.0	68
1,500	30	844	−0.7	72					30	854	9.8	58	30	852	6.9	64	30	851	13.6	34	30	840	−1.4	57	29	847	3.1	61
2,000	30	793	−2.3	67	30	800	8.6	25	30	803	8.3	48	30	802	5.1	50	30	801	11.2	28	30	789	−3.1	51	29	796	−0.2	63
2,500	30	745	−4.2	62	30	754	5.3	27	30	756	6.9	38	30	754	3.1	47	30	755	8.1	26	30	741	−5.7	50	29	748	−3.5	68
3,000	30	699	−6.8	61	30	708	2.0	29	30	711	5.1		30	709	1.2	40	30	710	5.2	23	30	694	−8.4	51	29	702	−6.7	75
4,000	30	614	−11.3	60	30	625	−4.4	30	30	629	0.2		30	626	−3.3	30	30	627	−1.0		30	610	−14.8	57	29	617	−12.6	78
5,000	30	538	−16.9	58	30	550	−10.6	33	30	554	−6.3		30	550	−9.3		30	552	−7.8		30	533	−21.6		29	540	−18.6	71
6,000	30	470	−23.3		29	482	−17.1		29	487	−13.2		30	483	−16.1		28	485	−14.7		29	465	−28.9		29	472	−25.1	
7,000	30	409	−30.3		29	421	−24.6		29	426	−20.4		29	422	−23.4		26	424	−21.9		29	403	−36.1		29	410	−32.1	
8,000	28	355	−37.4		29	366	−32.6		29	372	−27.7		29	368	−30.9		26	370	−29.7		29	348	−43.0		29	355	−39.1	
9,000	28	306	−44.5		29	317	−40.3		28	323	−35.2		29	318	−38.4		25	321	−37.1		29	299	−49.0		24	306	−46.2	
10,000	28	263	−51.1		26	274	−47.8		28	279	−42.7		27	276	−45.2		25	277	−44.6		28	257	−53.9		23	263	−52.3	
11,000	28	225	−55.8		25	235	−55.0		28	240	−50.3		26	237	−52.0		25	238	−52.2		27	219	−56.5		18	226	−57.0	
12,000	22	192	−56.8		21	200	−59.8		26	205	−56.9		26	203	−58.3		23	204	−58.6		23	186	−56.7		10	191	−58.0	
13,000	19	164	−57.9		11	172	−62.7		23	175	−61.6		22	174	−62.0		18	173	−63.7		16	159	−55.5					
14,000	13	139	−57.7		5	147	−63.5		18	149	−65.3		17	147	−64.9		13	146	−65.2		12	135	−54.4					
15,000	9	119	−57.2						12	127	−67.6		8	124	−65.0		6	123	−66.3		9	115	−54.8					
16,000									5	107	−69.9										5	98	−55.2					

Altitude (meters) m. s. l.	Brownsville, Tex. (6 m.)				Buffalo, N. Y. (221 m.)				Burrwood, La. (2 m.)				Caribou, Maine (191 m.)				Charleston, S. C. (14 m.)				Clovis, N. Mex. (1,306 m.)				Denver, Colo. (1,616 m.)			
Surface	30	1,016	21.2	82	30	989	4.8	75	24	1,019	19.2	75	30	993	−1.7	90	28	1,018	12.4	84	30	868	7.3	40	30	835	3.7	47
500	30	960	19.6	77	30	956	4.1	73	24	962	16.3	70	30	956	−2.1	83	28	961	13.8	66								
1,000	30	905	16.5	73	30	899	1.8	74	24	906	12.9	64	30	897	−3.4	80	28	906	11.0	65								
1,500	30	854	14.8	57	30	844	0.0	69	24	854	10.9	55	30	842	−4.4	68	28	853	8.1	64	30	848	10.9	36				
2,000	30	804	13.7	45	30	793	−1.9	64	24	804	9.4	38	30	790	−5.4	60	28	802	5.9	58	30	798	9.6	27	30	796	5.9	34
2,500	30	758	11.6	37	30	745	−4.0	58	24	757	8.3		30	741	−6.9	57	28	755	4.1	51	30	752	6.8	24	30	749	2.4	35
3,000	30	714	8.7	31	30	698	−6.7	57	24	712	6.2		30	695	−8.8	54	28	709	2.0	41	30	707	3.7	24	30	704	−1.5	38
4,000	30	632	2.4		30	613	−12.0	52	24	630	0.6		30	610	−13.5	55	28	626	−2.3		30	624	−2.7	25	30	620	−8.9	47
5,000	30	557	−4.2		30	538	−18.3	57	23	555	−5.5		30	534	−19.2	56	26	551	−8.2		30	549	−8.9		30	544	−15.4	46
6,000	30	490	−11.1		29	470	−24.2		22	488	−12.8		30	466	−25.6		26	484	−14.8		30	482	−16.3		29	476	−22.7	
7,000	30	430	−18.3		27	408	−31.5		22	427	−20.3		30	406	−32.2		25	423	−22.9		30	421	−24.2		29	414	−30.4	
8,000	29	375	−25.5		26	353	−38.1		22	373	−28.1		29	352	−39.3		25	368	−30.6		30	366	−31.7		28	359	−38.0	
9,000	29	326	−33.2		18	301	−46.5		22	323	−36.1		29	303	−46.1		24	319	−38.2		30	317	−39.3		26	310	−45.1	
10,000	29	282	−40.7		12	258	−52.6		22	279	−44.0		28	261	−52.1		23	275	−45.5		30	273	−47.0		24	266	−51.5	
11,000	29	243	−48.3		9	218	−55.1		20	240	−51.5		26	223	−57.2		21	236	−52.3		28	235	−53.8		21	228	−55.6	
12,000	29	208	−55.5		8	186	−56.2		20	206	−58.0		21	190	−58.4		18	203	−57.5		25	200	−59.3		16	194	−58.0	
13,000	27	177	−62.0		6	160	−55.9		20	175	−63.2		11	161	−56.7		10	174	−61.8		21	170	−62.3		8	165	−57.9	
14,000	21	150	−66.5						17	148	−66.2		6	139	−57.0		8	148	−65.2		14	145	−63.9					
15,000	14	127	−69.4						6	125	−67.4						6	125	−67.0		8	122	−64.6					

Altitude (meters) m. s. l.	Dodge City, Kans. (787 m.)				El Paso, Tex. (1,195 m.)				Ely, Nev. (1,908 m.)				Fort Worth, Tex. (211 m.)				Glasgow, Mont. (648 m.)				Grand Junction, Colo. (1,414 m.)				Great Falls, Mont. (1,128 m.)			
Surface	30	923	6.8	48	30	882	12.7	29	30	809	0.0	67	29	992	14.7	58	20	936	−5.8	81	30	859	3.7	49	30	882	1.0	58
500													29	959	15.8	52												
1,000	30	900	10.2	41									29	904	13.7	50	20	894	−4.5	76								
1,500	30	847	9.0	34	30	851	15.3	24					29	852	11.7	41	20	839	−4.8	66	30	850	4.7	46	30	842	0.6	55
2,000	30	797	6.4	32	30	802	12.0	24	30	800	1.5	60	29	802	9.3	34	20	787	−6.4	62	30	799	3.2	41	30	790	−2.4	58
2,500	30	750	3.1	34	30	755	9.0	23	30	752	0.2	50	29	755	6.5	30	20	739	−9.2	68	30	752	0.3	44	30	742	−5.8	63
3,000	30	704	−0.2	35	30	711	5.9	24	30	706	−3.0	53	29	710	3.6	30	20	692	−12.4	71	30	705	−3.3	47	30	696	−9.5	67
4,000	30	621	−6.7	36	30	628	−0.8	26	30	621	−8.8	58	29	627	−1.6		20	606	−19.2	72	30	621	−9.7	58	30	610	−16.1	66
5,000	30	545	−13.2	30	30	553	−7.4	29	30	545	−15.2	56	28	552	−8.0		20	529	−25.8		29	545	−16.0	60	30	534	−22.4	
6,000	30	478	−19.9		30	486	−14.6		29	477	−21.5		28	484	−15.4		20	460	−32.6		29	476	−22.7		30	465	−29.4	
7,000	30	416	−27.4		30	425	−21.9		29	416	−28.7		28	424	−23.0		19	398	−39.5		29	415	−29.8		30	403	−36.5	
8,000	30	361	−34.9		30	370	−29.6		29	361	−36.2		26	368	−31.2		19	343	−45.6		28	359	−37.3		29	348	−44.1	
9,000	30	312	−41.9		29	321	−37.3		28	312	−43.9		25	319	−39.1		17	294	−51.0		26	310	−44.2		29	299	−50.2	
10,000	30	269	−48.9		29	277	−45.3		27	268	−52.0		24	275	−47.0		13	252	−52.8		26	267	−50.7		28	257	−54.6	
11,000	29	231	−54.5		28	238	−53.2		23	230	−57.6		24	236	−54.3		11	216	−52.9		20	230	−55.9		25	220	−57.4	
12,000	27	197	−59.0		22	203	−59.7		20	197	−61.1		24	202	−59.9		5	189	−55.2		14	196	−58.6		17	188	−58.8	
13,000	21	167	−60.0		15	173	−63.9		9	169	−60.8		20	171	−62.6						5	167	−59.7		9	162	−58.8	
14,000	14	142	−59.6		8	147	−66.4						11	146	−64.3													
15,000	9	122	−61.9										6	123	−64.8													
16,000	5	104	−64.3																									

TABLE 1.—*Mean free-air barometric pressure in millibars, temperature in degrees centigrade, and relative humidity in percent, obtained by radiosondes during November 1945*—Continued

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL—Continued

Altitude (meters) m. s. l.	Green Bay, Wis. (182 m.)				Greensboro, N. C. (273 m.)				Hatteras, N. C. (3 m.)				Havana, Cuba.[1] (51 m.)				Huntington, W. Va. (172 m.)				International Falls, Minn. (343 m.)				Joliet, Ill. (178 m.)			
	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity
Surface	26	992	1.0	77	30	986	7.7	75	21	1,020	15.4	79					30	998	7.2	81	30	971	−4.3	87	30	994	3.4	78
500	26	954	−0.2	75	30	960	9.7	66	21	962	13.7	70					30	959	8.0	69	30	952	−5.2	88	30	955	2.3	74
1,000	26	896	−2.2	76	30	903	7.5	66	21	906	10.5	68					30	902	5.8	67	30	893	−7.1	88	30	897	1.4	64
1,500	26	841	−2.8	66	30	850	4.6	65	21	853	7.8	58					30	848	3.4	68	30	838	−6.3	73	30	843	0.6	54
2,000	26	790	−4.2	56	30	799	2.3	60	21	802	5.5	54					30	797	1.0	62	30	786	−6.4	64	30	792	−1.1	44
2,500	26	741	−6.1	47	30	751	0.1	54	21	755	3.0	51					30	749	−1.4	63	30	737	−8.1	65	30	744	−3.1	42
3,000	26	694	−8.6	45	30	706	−2.2	49	20	709	0.4	41					30	703	−3.9	58	30	690	−10.6	66	29	698	−5.8	44
4,000	25	610	−13.8		30	622	−6.9	42	20	625	−3.9						30	619	−9.2	53	30	606	−16.3	66	28	614	−11.3	54
5,000	25	534	−20.5		30	546	−13.4	43	20	550	−10.1						29	543	−15.1	48	30	530	−22.8		28	538	−17.4	56
6,000	24	466	−27.2		30	478	−20.2	41	20	482	−16.8						28	474	−22.1		30	461	−29.4		28	470	−24.2	
7,000	23	404	−34.5		30	417	−25.9		19	421	−24.6						28	413	−28.6		30	400	−36.2		28	409	−31.0	
8,000	23	349	−41.4		30	362	−34.6		18	366	−31.6						27	359	−35.2		30	345	−43.3		28	353	−38.1	
9,000	22	201	−47.5		30	312	−41.9		16	317	−39.3						27	310	−41.6		30	297	−49.6		27	305	−43.8	
10,000	20	257	−53.4		30	269	−48.4		12	273	−46.6						27	267	−47.7		30	254	−54.2		26	262	−49.8	
11,000	18	220	−55.3		29	231	−54.4		9	233	−52.4						25	229	−53.3		29	218	−55.5		23	225	−53.4	
12,000	16	187	−55.5		28	198	−59.1		7	197	−57.3						25	195	−57.1		24	186	−55.2		18	192	−54.9	
13,000	16	160	−55.9		21	168	−62.0		6	168	−59.0						19	167	−59.4		16	158	−53.6		17	164	−56.5	
14,000	12	137	−56.2		13	142	−62.9		5	145	−62.1						15	142	−59.6		10	135	−54.1		13	140	−56.8	
15,000									5	123	−64.0						13	120	−59.1		6	116	−53.0		6	120	−58.2	
16,000																	8	102	−60.4									

Altitude (meters) m. s. l.	Lake Charles, La. (5 m.)				Lander, Wyo. (1,632 m.)				Las Vegas, Nev. (574 m.)				Little Rock, Ark. (79 m.)				Louisville, Ky. (165 m.)				Mazatlan, Mexico (80 m.)				Medford, Oreg. (409 m.)			
Surface	29	1,019	15.7	86	30	833	−2.3	70	30	950	11.3	29	30	1,008	12.1	73	30	998	8.3	71	30	1,004	24.4	77	30	968	7.7	84
500	29	961	16.3	66									30	959	12.3	62	30	958	7.6	66	30	958	24.8	52	30	958	7.6	82
1,000	29	906	13.6	55					30	903	13.6	26	30	904	10.1	64	30	902	5.3	67	30	904	22.9	49	30	901	5.6	78
1,500	29	854	11.5	52					30	850	10.3	28	30	850	8.0	58	30	848	3.4	60	30	854	20.1	44	30	847	2.7	79
2,000	29	804	10.0	44	30	795	0.5	49	30	801	7.0	30	30	800	6.5	51	30	797	1.6	54	30	804	17.0	40	30	796	−0.4	82
2,500	29	757	8.5	37	30	747	−1.7	46	30	754	3.7	31	30	753	4.2	46	30	749	−0.7	56	30	759	13.4	40	30	748	−3.2	81
3,000	29	712	6.2	34	30	702	−5.1	50	30	708	0.9	29	30	708	1.5	44	30	703	−3.3	50	30	715	9.7	42	30	702	−5.8	72
4,000	29	630	0.8		30	617	−11.6	55	30	624	−5.0	28	30	624	−3.8	31	30	619	−8.7	45	30	633	3.0	38	30	617	−11.3	67
5,000	29	555	−5.5		30	540	−18.3	57	30	549	−11.4	33	30	549	−10.2	32	30	543	−14.2		29	559	−3.5	32	29	541	−16.7	62
6,000	29	488	−12.4		30	472	−25.7		29	481	−18.5	36	30	482	−16.6		30	475	−20.5		29	491	−10.5		29	473	−23.2	
7,000	29	427	−19.8		29	410	−33.1		29	420	−25.9		30	421	−23.8		30	415	−27.4		29	431	−17.1		29	412	−30.5	
8,000	28	373	−27.2		29	354	−40.8		28	365	−33.5		30	366	−31.2		29	360	−34.3		29	376	−24.7		29	357	−37.8	
9,000	27	324	−34.7		27	306	−47.4		28	316	−41.0		30	317	−38.8		28	311	−41.1		28	327	−32.6		25	308	−44.9	
10,000	26	280	−41.8		27	263	−53.1		28	272	−48.4		30	274	−46.0		27	268	−47.4		28	283	−40.5		25	265	−51.6	
11,000	25	241	−49.1		27	225	−57.5		27	233	−54.4		29	235	−53.2		26	231	−53.3		28	244	−48.1		24	227	−56.7	
12,000	23	206	−55.7		19	192	−57.6		25	199	−58.3		25	201	−58.0		22	197	−57.9		27	209	−56.0		16	194	−58.2	
13,000	22	176	−60.8		13	163	−58.4		20	169	−61.3		19	172	−61.3		17	168	−59.5		24	178	−63.2		12	166	−59.8	
14,000	15	150	−64.7		7	138	−56.0		15	145	−62.0		14	146	−63.3		8	142	−58.6		16	151	−68.6		6	142	−60.8	
15,000	10	127	−67.1						10	123	−63.6		9	124	−63.1		5	120	−58.5		10	127	−73.0					
16,000	7	108	−69.1						5	105	−64.6		7	106	−65.3													

Altitude (meters) m. s. l.	Merida, Mexico (27 m.)				Miami, Fla. (4 m.)				Nashville, Tenn. (180 m.)				North Platte, Nebr. (849 m.)				Oakland, Calif. (2 m.)				Ogden, Utah (1,355 m.)				Oklahoma City, Okla. (391 m.)			
Surface	24	1,012	23.6	74	30	1,017	19.9	83	30	997	10.1	71	30	915	2.3	66	30	1,019	13.1	79	30	865	2.2	72	29	970	10.0	54
500	24	958	20.8	70	30	960	18.5	76	30	960	9.5	68					30	960	10.8	74					29	958	11.7	48
1,000	24	905	18.1	69	30	906	15.1	75	30	903	7.0	68	30	898	4.5	59	30	904	8.6	64					29	902	11.4	38
1,500	24	853	14.8	68	30	854	12.5	68	30	849	5.2	58	30	845	5.3	48	30	851	6.4	53	30	850	3.4	64	29	849	9.5	38
2,000	24	804	12.5	53	30	804	10.7	59	30	799	3.1	55	30	794	2.8	46	30	800	3.7	50	30	799	1.3	59	29	799	7.0	32
2,500	24	757	10.6	40	30	757	9.1	42	30	752	1.1	48	30	746	0.4	47	30	753	1.0	51	30	750	−2.1	64	29	752	4.2	30
3,000	24	713	8.7		30	712	7.3	31	30	705	−1.5	47	30	701	−4.0	50	30	706	−1.6	46	30	704	−5.4	66	29	706	1.3	29
4,000	24	631	3.3		29	630	1.9		29	622	−6.5	43	30	616	−10.7	54	30	622	−7.5	40	30	619	−11.5	71	29	624	−4.2	
5,000	24	557	−2.0		29	556	−4.4		29	546	−12.4		29	540	−17.3	55	30	547	−13.4	43	30	543	−17.6	65	28	548	−10.2	
6,000	24	490	−8.7		29	489	−11.0		29	479	−19.6		29	472	−24.1		30	478	−20.5	45	30	474	−24.4		28	481	−17.3	
7,000	24	431	−15.5		29	429	−18.0		28	418	−26.6		29	411	−31.2		30	418	−27.7		30	413	−31.2		28	420	−24.7	
8,000	24	377	−23.0		28	375	−25.1		27	363	−33.6		29	356	−38.5		30	362	−34.9		30	358	−38.7		26	365	−32.5	
9,000	24	328	−30.5		26	325	−32.7		27	314	−40.6		28	307	−45.0		30	313	−42.2		30	308	−46.3		26	316	−40.1	
10,000	24	284	−38.1		26	282	−40.1		27	271	−47.5		28	264	−51.0		29	270	−49.1		29	265	−52.1		25	272	−48.3	
11,000	24	245	−45.9		25	243	−47.5		26	232	−54.3		25	227	−55.0		26	232	−54.4		26	227	−56.8		24	233	−55.0	
12,000	24	210	−53.5		24	208	−54.8		21	197	−59.1		20	194	−58.4		22	198	−57.4		23	194	−59.9		22	199	−59.6	
13,000	23	180	−60.7		21	178	−61.6		15	169	−60.6		12	165	−59.8		14	169	−58.3		13	166	−61.3		17	169	−61.1	
14,000	22	152	−67.3		15	151	−66.2		9	144	−62.3		6	140	−60.4		9	145	−59.3		7	142	−62.8		12	145	−62.2	
15,000	14	129	−71.6		9	128	−70.5										6	123	−59.2									
16,000	8	110	−74.3																									

See footnote at end of tables.

TABLE 1.—*Mean free-air barometric pressure in millibars, temperature in degrees centigrade, and relative humidity in percent, obtained by radiosondes during November 1945*—Continued

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL—Continued

Altitude (meters) m. s. l.	Omaha, Nebr. (308 m.)				Phoenix, Ariz. (339 m.)				Pittsburgh, Pa. (382 m.)				Portland, Maine (20 m.)				Rapid City, S. Dak. (981 m.)				St. Louis, Mo. (171 m.)				St. Paul, Minn. (225 m.)			
	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity
Surface	27	978	4.5	63	30	975	12.0	51	29	971	5.6	76	30	1,015	2.9	82	30	900	0.4	63	30	996	7.3	70	30	986	0.4	75
500	27	955	4.3	62	30	957	18.8	29	29	958	5.5	74	30	957	2.8	76					30	958	6.1	69	30	953	−1.2	78
1,000	27	898	4.4	54	30	903	16.4	26	29	901	3.9	70	30	899	0.9	69	30	897	0.8	62	30	900	4.9	65	30	895	−2.1	75
1,500	27	845	3.2	55	30	851	12.9	27	29	847	1.6	67	30	845	−0.1	60	30	844	2.3	52	30	847	3.8	58	30	840	−2.1	61
2,000	27	794	1.3	49	30	801	9.4	26	29	795	−0.6	63	30	793	−1.2	60	30	792	−0.1	53	30	796	2.0	54	30	789	−3.4	56
2,500	27	746	−1.3	42	30	754	6.3	28	29	747	−3.0	58	30	745	−3.2	63	30	745	−2.8	53	30	748	−0.1	52	30	741	−5.6	50
3,000	27	700	−4.2	43	30	709	3.5	27	29	701	−5.1	51	30	699	−5.7	55	30	699	−6.2	53	30	702	−2.9	51	30	694	−8.0	48
4,000	26	616	−10.3	50	30	626	−2.7	22	29	616	−10.3	54	30	615	−10.8	55	30	614	−12.9	61	30	618	−8.7	47	30	610	−14.1	46
5,000	26	540	−16.8	54	29	551	−9.2	27	29	541	−16.1	54	30	539	−17.0	60	30	538	−19.3	57	30	543	−15.1	50	30	534	−20.4	53
6,000	26	472	−24.3		29	483	−16.5		28	473	−22.9		30	471	−23.0		30	469	−26.5		30	475	−21.9		30	466	−27.2	
7,000	25	411	−31.3		29	423	−24.3		28	412	−29.7		30	410	−29.9		30	408	−33.6		30	414	−29.3		30	404	−34.2	
8,000	25	356	−38.4		29	368	−32.1		28	357	−36.5		30	355	−37.3		29	353	−40.7		30	359	−36.2		30	350	−41.2	
9,000	25	307	−45.0		28	318	−39.8		26	309	−42.8		29	307	−44.3		29	304	−47.6		30	310	−42.7		30	301	−47.8	
10,000	24	264	−49.9		28	274	−47.3		25	266	−48.6		28	264	−50.8		29	261	−53.2		29	267	−48.8		28	259	−53.1	
11,000	24	227	−54.7		26	235	−54.4		20	228	−53.3		28	226	−56.5		23	223	−55.3		22	229	−53.7		27	221	−55.4	
12,000	19	194	−57.9		24	201	−60.0		17	194	−56.1		26	193	−58.9		18	190	−57.2		18	197	−58.3		26	189	−56.4	
13,000	13	165	−57.7		19	171	−62.8		14	166	−56.4		19	164	−59.8		12	162	−56.6		13	167	−58.8		21	161	−55.9	
14,000	9	143	−59.2		10	146	−63.2		12	142	−58.0		5	138	−57.7		7	137	−57.3		7	141	−57.6		12	137	−54.7	
15,000									7	120	−56.1						5	118	−59.7						5	118	−53.5	

Altitude (meters) m. s. l.	San Antonio, Tex. (240 m.)				San Juan, P. R. (15 m.)				Santa Maria, Calif. (71 m.)				Sault Ste. Marie, Mich. (221 m.)				Spokane, Wash. (598 m.)				Swan Island, W. I. (10 m.)				Tacubaya, Mexico (2,306 m.)			
Surface	30	989	16.4	75	30	1,012	23.9	86	30	1,010	11.3	80	30	986	0.4	83	30	942	2.9	85	30	1,012	25.1	82	30	775	13.8	55
500	30	959	17.9	66	30	957	21.3	82	30	960	12.4	65	30	952	−0.8	85					30	958	22.2	82				
1,000	30	905	15.4	70	30	903	18.1	80	30	905	10.7	53	30	894	−3.0	86	30	896	0.8	84	30	904	18.8	81				
1,500	30	853	13.0	60	30	852	14.9	77	30	851	7.9	48	30	840	−4.6	81	30	842	−1.9	82	30	853	15.9	78				
2,000	30	803	12.1	42	30	803	12.4	70	30	801	5.7	38	30	788	−5.6	68	30	790	−4.7	78	30	804	13.3	74				
2,500	30	757	9.9	33	30	756	10.3	58	30	754	3.4	35	30	739	−7.5	63	30	742	−7.6	79	30	757	10.7	68	30	757	13.2	54
3,000	30	712	6.9	29	30	712	8.4	46	30	708	0.9	31	30	692	−9.5	57	30	695	−10.7	82	30	713	8.2	61	30	713	10.0	56
4,000	29	630	0.9	28	30	630	3.2	36	30	624	−4.6	30	30	608	−14.8	55	30	610	−16.7	79	30	631	3.0	60	30	632	2.7	61
5,000	29	555	−5.7		30	556	−2.6	40	30	549	−10.9	35	30	532	−20.8	55	28	533	−23.2		30	558	−2.4	51	30	558	−2.9	41
6,000	29	488	−12.7		30	490	−8.7	37	30	481	−17.8		30	464	−27.8		28	464	−29.9		30	491	−7.9	42	29	491	−8.4	
7,000	29	428	−20.1		30	430	−15.0	41	30	420	−25.3		28	403	−35.4		28	402	−36.5		30	431	−14.2		29	431	−15.2	
8,000	29	373	−27.5		29	376	−22.1		29	365	−32.7		28	348	−42.4		27	347	−43.2		28	377	−21.0		29	377	−22.4	
9,000	29	323	−35.1		29	327	−29.8		28	316	−40.2		26	300	−48.1		25	299	−49.4		28	328	−28.1		28	328	−29.8	
10,000	29	280	−42.6		29	284	−37.5		27	272	−47.7		26	258	−53.0		24	256	−54.0		28	285	−35.9		27	285	−37.6	
11,000	28	241	−50.1		29	245	−45.5		27	234	−54.6		24	221	−55.6		18	220	−57.3		27	246	−44.0		27	245	−45.6	
12,000	27	206	−56.9		29	210	−53.5		26	200	−59.5		20	189	−57.6		13	187	−56.5		25	212	−52.0		25	211	−53.4	
13,000	24	175	−62.7		27	180	−61.0		22	170	−61.9		18	161	−56.0		6	162	−58.0		20	181	−60.3		21	180	−60.8	
14,000	17	149	−66.4		23	152	−67.6		16	144	−64.3		13	138	−57.2						16	154	−67.2		14	153	−67.8	
15,000	13	126	−68.5		10	129	−72.8		9	122	−64.4		8	118	−57.5						10	130	−73.4					
16,000									6	104	−64.6										7	110	−77.3					

Altitude (meters) m. s. l.	Tampa, Fla. (3 m.)				Tatoosh Island, Wash. (31 m.)				Toledo, Ohio (191 m.)				Washington, D. C. (25 m.)			
	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity	Number of observations	Pressure	Temperature	Relative humidity
Surface	29	1,019	17.9	78	30	1,006	7.0	83	30	993	4.8	78	30	1,015	9.2	72
500	29	961	16.8	68	30	950	4.4	82	30	955	4.2	72	30	959	7.9	68
1,000	29	907	13.9	64	30	893	0.8	85	30	898	1.8	68	30	902	5.7	65
1,500	29	854	11.6	58	30	839	−2.2	86	30	845	0.3	63	30	848	3.4	63
2,000	29	804	9.0	55	30	788	−5.1	80	30	793	−1.3	57	30	797	1.3	60
2,500	29	757	7.2	43	30	739	−7.8	75	30	745	−3.2	52	30	749	−1.0	59
3,000	29	712	5.6	32	30	692	−11.0	73	30	699	−5.8	53	30	704	−3.8	58
4,000	29	630	0.6		30	607	−17.0	71	30	614	−11.7	50	30	619	−9.3	56
5,000	29	555	−5.7		28	530	−23.4		30	538	−17.7	47	30	543	−14.7	48
6,000	29	488	−12.2		27	462	−29.5		30	471	−24.3		29	476	−21.3	
7,000	29	427	−19.2		27	401	−35.7		29	410	−30.9		29	415	−28.0	
8,000	28	373	−26.6		27	346	−41.8		29	355	−37.7		29	360	−35.1	
9,000	28	323	−34.2		26	299	−47.2		29	306	−44.0		29	311	−41.8	
10,000	26	280	−41.8		23	255	−52.4		29	263	−49.8		29	268	−48.6	
11,000	25	241	−48.9		18	219	−54.4		29	226	−54.5		26	230	−53.1	
12,000	25	207	−55.5		13	186	−54.7		23	193	−56.4		22	196	−56.5	
13,000	24	176	−61.0		8	159	−53.9		22	165	−58.4		18	167	−59.2	
14,000	19	150	−65.9		5	137	−55.2		15	140	−57.7		8	143	−62.4	
15,000	12	127	−69.8						12	120	−58.4		7	122	−63.1	
16,000	5	107	−71.9						6	103	−59.3					
17,000									5	88	−60.3					

[1] Data not yet received.

NOTE.—All observations scheduled between 10 p. m. and midnight, E. S. T. (0300 and 0500, G. C. T.), except at Mazatlan and Merida, where they are taken near 9 p. m., E S. T. (0200 G. C. T.)

"Number of observations" refers to pressure only. (In a few cases temperature or humidity data may be missing for one or more levels of some observations.) Relative humidity data are not published for levels 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 surface or 5 standard level observations.

Raob data for Havana, Cuba, will appear in a later issue.