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METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR FEBRUARY 1945

AEROLOGICAL OBSERVATIONS

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

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL

Altitude (meters) m. s. l.	Albany, N. Y. (86 m.)				Albuquerque, N. Mex. (1620 m.)				Apalchicola, 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	27	1,007	−4.4	82	28	836	6.7	44	28	1,020	14.1	86	27	985	8.0	75	28	926	9.4	57	27	956	−8.6	88	28	917	3.2	73
500	27	956	−5.3	82	----	----	----	----	28	963	14.2	68	27	962	8.4	69	----	----	----	----	----	----	----	----	----	----	----	----
1,000	27	896	−7.6	84	----	----	----	----	28	907	12.8	58	27	905	7.2	71	28	902	10.4	52	27	897	−7.4	76	28	902	3.9	66
1,500	27	840	−8.3	75	----	----	----	----	28	854	10.4	55	27	852	6.0	64	28	849	9.1	47	27	841	−7.8	65	28	848	1.3	62
2,000	27	788	−9.8	----	28	797	5.2	45	28	804	8.1	51	27	801	4.3	58	28	799	7.4	38	27	788	−9.2	59	28	796	−2.3	68
2,500	27	738	−11.0	----	28	750	1.6	50	28	757	5.7	48	27	754	2.2	54	28	752	4.9	34	27	739	−11.5	63	28	748	−5.7	66
3,000	27	691	−12.7	----	28	704	−2.2	54	28	712	3.3	45	27	708	−0.3	53	28	706	1.7	33	27	692	−14.5	61	28	701	−8.9	69
4,000	27	605	−17.6	----	27	620	−8.5	49	27	629	−0.7	----	27	624	−5.0	46	28	623	−4.0	----	26	606	−19.8	55	28	616	−14.1	63
5,000	27	529	−23.3	----	27	544	−14.7	----	27	554	−6.4	----	27	549	−10.5	----	27	549	−10.5	----	26	529	−26.4	----	28	539	−20.8	65
6,000	27	461	−29.8	----	27	476	−21.6	----	27	486	−13.3	----	26	481	−17.2	----	27	481	−17.7	----	26	460	−32.8	----	28	470	−27.4	----
7,000	27	400	−36.1	----	25	415	−29.0	----	25	426	−20.2	----	26	421	−24.5	----	26	420	−25.0	----	26	398	−39.2	----	28	408	−34.3	----
8,000	27	345	−42.8	----	25	360	−36.2	----	25	372	−27.6	----	26	366	−32.0	----	26	366	−32.3	----	26	342	−46.1	----	28	353	−41.5	----
9,000	27	297	−49.1	----	24	311	−43.1	----	24	323	−35.4	----	26	317	−39.5	----	26	316	−39.4	----	25	294	−51.5	----	23	303	−48.5	----
10,000	27	255	−53.4	----	24	267	−49.9	----	22	279	−43.3	----	23	273	−46.5	----	25	273	−46.8	----	23	252	−54.7	----	21	259	−52.9	----
11,000	23	217	−55.9	----	22	230	−56.1	----	20	240	−50.6	----	19	236	−53.3	----	25	234	−53.6	----	18	216	−54.2	----	18	222	−55.7	----
12,000	20	185	−55.1	----	20	196	−59.4	----	18	205	−55.9	----	17	202	−57.9	----	23	200	−57.5	----	13	185	−52.3	----	12	188	−53.4	----
13,000	18	158	−53.9	----	17	166	−58.8	----	17	175	−58.2	----	17	172	−59.6	----	21	170	−58.6	----	8	158	−52.8	----	7	161	−52.1	----
14,000	13	135	−53.4	----	10	142	−60.1	----	14	149	−61.6	----	11	146	−60.5	----	16	146	−60.3	----	6	135	−54.6	----	6	139	−53.1	----
15,000	8	116	−55.1	----	----	----	----	----	8	127	−65.2	----	6	124	−63.1	----	11	124	−62.7	----	----	----	----	----	5	119	−54.3	----
16,000	----	----	----	----	----	----	----	----	6	108	−68.9	----	----	----	----	----	5	106	−64.8	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Brownsville, Tex. (6 m.)				Buffalo, N. Y. (221 m.)				Caribou, Maine (193 m.)				Charleston, S. C. (14 m.)				Denver, Colo. (1,616 m.)				Dodge City, Kans. (787 m.)				El Paso, Tex. (1,195 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	28	1,015	17.8	91	28	991	−3.5	86	25	992	−10.7	91	27	1,020	9.9	82	28	835	−0.2	68	28	925	0.7	83	27	880	12.1	34
500	28	958	17.0	76	28	957	−4.8	84	25	953	−9.8	86	27	962	11.3	66	----	----	----	----	----	----	----	----	----	----	----	----
1,000	28	904	15.2	62	28	897	−6.7	85	25	894	−11.5	82	27	906	9.0	59	----	----	----	----	28	901	1.4	75	----	----	----	----
1,500	28	852	13.6	51	28	842	−7.8	67	25	837	−12.8	75	27	853	7.0	59	----	----	----	----	28	847	1.0	66	27	849	12.6	29
2,000	28	802	11.8	41	28	788	−9.5	58	25	784	−14.5	70	27	802	5.2	55	28	795	−0.1	59	28	796	−0.2	56	27	799	8.7	32
2,500	28	756	10.0	29	28	740	−10.9	53	25	733	−16.2	64	27	755	2.9	53	28	747	−2.5	56	28	748	−1.4	49	27	752	5.3	34
3,000	28	711	7.1	26	28	692	−12.7	48	25	686	−18.7	64	27	709	0.7	50	28	701	−5.4	59	28	702	−4.0	45	27	707	1.3	38
4,000	28	629	0.6	28	28	607	−17.6	----	25	598	−23.5	----	26	626	−3.9	47	28	616	−12.3	69	28	618	−9.7	47	27	624	−5.1	35
5,000	28	554	−6.3	----	28	530	−23.2	----	24	522	−29.1	----	25	550	−9.1	----	28	540	−18.6	59	28	542	−16.1	49	27	548	−12.0	30
6,000	28	487	−13.4	----	26	462	−28.9	----	24	453	−34.7	----	25	483	−15.5	----	27	471	−25.8	----	28	474	−22.7	----	27	480	−18.9	----
7,000	27	426	−21.1	----	26	401	−35.9	----	24	392	−41.3	----	20	422	−23.0	----	24	409	−33.5	----	28	412	−30.1	----	26	419	−26.2	----
8,000	27	372	−28.6	----	25	346	−42.6	----	24	337	−47.3	----	19	368	−30.1	----	24	354	−40.7	----	28	357	−37.7	----	26	364	−33.5	----
9,000	27	322	−36.3	----	22	298	−48.9	----	24	289	−52.7	----	17	319	−37.6	----	23	305	−48.1	----	27	308	−44.6	----	26	315	−40.4	----
10,000	25	278	−43.9	----	20	255	−52.9	----	21	248	−54.1	----	15	276	−45.3	----	22	262	−54.3	----	27	265	−51.3	----	26	272	−47.8	----
11,000	23	240	−50.8	----	15	218	−53.7	----	19	212	−52.4	----	13	237	−52.4	----	20	224	−58.2	----	25	227	−56.6	----	26	233	−54.3	----
12,000	22	205	−56.6	----	10	186	−52.6	----	15	181	−53.1	----	10	202	−56.6	----	18	190	−57.3	----	24	194	−58.6	----	20	199	−57.2	----
13,000	20	175	−59.3	----	8	160	−52.8	----	10	156	−50.8	----	8	172	−59.0	----	14	162	−56.9	----	19	165	−57.2	----	17	170	−58.5	----
14,000	17	149	−63.1	----	----	----	----	----	7	135	−50.9	----	6	147	−58.7	----	9	139	−56.8	----	14	142	−56.5	----	11	145	−59.7	----
15,000	11	126	−67.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	8	120	−58.5	----	8	123	−62.1	----
16,000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	5	105	−63.8	----

Altitude (meters) m. s. l.	Ely, Nev. (1,908 m.)				Glasgow, Mont. (648 m.)				Grand Junction, Colo. (1,416 m.)				Great Falls, Mont. (1,128 m.)				Greensboro, N. C. (273 m.)				Hatteras, N. C. (3 m.)				Havana, Cuba [1] (51 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	28	808	−1.7	79	28	940	−7.1	78	27	857	3.9	61	27	886	−4.9	72	27	988	4.1	75	21	1,021	7.5	83	----	----	----	----
500	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	27	961	4.6	64	21	962	8.3	70	----	----	----	----
1,000	----	----	----	----	28	898	−5.9	71	----	----	----	----	----	----	----	----	27	904	3.6	63	21	905	5.5	64	----	----	----	----
1,500	----	----	----	----	28	842	−6.6	60	27	848	3.7	57	27	845	−5.1	67	27	850	1.8	63	21	851	3.7	60	----	----	----	----
2,000	28	799	−1.3	73	28	790	−8.5	59	27	797	1.1	56	27	792	−6.4	65	27	798	0.5	59	21	800	1.6	58	----	----	----	----
2,500	28	750	−3.5	67	28	741	−11.1	64	27	749	−2.5	62	27	743	−9.1	66	27	750	−1.6	59	21	752	−0.8	57	----	----	----	----
3,000	28	704	−7.0	65	28	693	−14.0	69	27	703	−5.9	68	27	696	−12.2	71	27	704	−3.2	54	21	705	−3.3	56	----	----	----	----
4,000	28	618	−12.0	59	27	607	−19.5	62	26	618	−12.4	67	27	610	−18.2	----	27	620	−8.4	50	21	621	−7.8	----	----	----	----	----
5,000	28	542	−18.0	----	25	530	−26.1	----	26	541	−18.2	----	27	532	−24.9	----	26	544	−14.1	40	20	546	−13.0	----	----	----	----	----
6,000	28	473	−25.3	----	24	460	−32.5	----	26	473	−24.6	----	27	463	−31.1	----	26	476	−20.8	44	20	478	−19.0	----	----	----	----	----
7,000	28	412	−32.4	----	24	398	−38.6	----	26	411	−32.0	----	27	401	−37.7	----	26	415	−28.1	----	20	418	−25.8	----	----	----	----	----
8,000	27	356	−39.7	----	22	344	−44.6	----	25	356	−39.5	----	26	347	−44.3	----	25	360	−35.1	----	17	363	−33.0	----	----	----	----	----
9,000	25	307	−47.0	----	20	296	−50.8	----	25	307	−46.6	----	22	298	−50.2	----	23	312	−42.5	----	15	315	−40.4	----	----	----	----	----
10,000	20	265	−53.3	----	17	252	−54.6	----	23	264	−52.8	----	20	256	−54.7	----	19	369	−49.6	----	11	274	−46.6	----	----	----	----	----
11,000	14	228	−59.5	----	15	215	−53.2	----	21	226	−56.9	----	15	218	−56.5	----	16	230	−55.8	----	8	235	−53.9	----	----	----	----	----
12,000	7	194	−63.1	----	11	183	−50.5	----	18	192	−56.6	----	11	187	−54.9	----	13	196	−60.3	----	----	----	----	----	----	----	----	----
13,000	----	----	----	----	8	157	−51.0	----	15	163	−55.5	----	9	159	−53.8	----	9	166	−60.6	----	----	----	----	----	----	----	----	----
14,000	----	----	----	----	6	135	−52.9	----	7	140	−55.9	----	6	136	−54.4	----	5	141	−59.8	----	----	----	----	----	----	----	----	----

See footnote at end of table.

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

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL—Continued

Altitude (meters) m. s. l.	Huntington, W. Va. (172 m.)				Int'l Falls, Minn. (343 m.)				Jackson, Miss. (97 m.)				Joliet, Ill. (178 m.)				Lake Charles, La. (5 m.)				Little Rock, Ark. (79 m.)				Louisville, Ky. (165 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	28	1000	1.4	75	28	975	−12.0	88	27	1007	10.7	80	28	998	−2.8	90	28	1018	13.7	84	28	1010	5.9	79	28	1001	1.9	77
500	28	960	1.2	70	28	955	−11.3	87	27	960	10.7	72	28	958	−3.2	83	28	961	12.9	73	28	959	5.5	74	28	960	−1.0	73
1,000	28	902	−1.0	71	28	895	−11.9	80	27	904	9.3	68	28	899	−4.0	74	28	905	11.9	64	38	902	5.0	73	28	902	−0.7	71
1,500	28	848	−2.0	62	28	839	−12.2	75	27	851	7.8	64	28	844	−4.0	61	28	852	10.0	59	28	849	4.8	66	28	847	−1.0	67
2,000	28	796	−3.4	65	28	786	−13.0	66	27	800	6.0	54	28	792	−5.4	58	28	802	8.0	51	28	797	3.0	61	28	795	−2.2	64
2,500	28	747	−5.0	69	28	736	−15.0	59	27	753	3.8	51	28	743	−7.4	57	28	755	5.3	47	28	750	0.9	59	28	747	−3.9	59
3,000	28	700	−6.8	62	28	688	−17.1	55	27	708	1.4	46	28	696	−9.6	53	28	710	3.3	37	28	704	−1.2	50	28	701	−6.0	52
4,000	28	616	−11.5	52	28	601	−23.1	----	27	625	−3.1	----	28	612	−14.8	----	28	627	−1.1	----	28	621	−6.3	44	26	616	−10.8	57
5,000	28	540	−16.7	----	28	524	−29.3	----	25	550	−9.0	----	28	535	−20.7	----	28	552	−7.7	----	28	546	−12.8	47	26	540	−16.5	60
6,000	28	472	−23.0	----	28	455	−35.0	----	24	482	−15.8	----	27	467	−26.7	----	26	485	−14.8	----	26	477	−19.6	----	26	472	−22.6	----
7,000	28	411	−29.8	----	28	393	−40.9	----	24	422	−23.1	----	26	406	−33.4	----	26	424	−22.0	----	26	417	−26.4	----	25	411	−30.1	----
8,000	28	357	−36.8	----	28	339	−46.5	----	24	367	−30.7	----	24	351	−40.2	----	25	370	−29.5	----	26	362	−33.9	----	23	357	−37.4	----
9,000	27	308	−44.4	----	28	291	−50.8	----	24	318	−38.3	----	24	302	−47.9	----	25	320	−37.1	----	26	313	−41.7	----	19	308	−44.2	----
10,000	24	265	−50.8	----	25	249	−52.9	----	24	274	−45.9	----	21	259	−53.7	----	24	277	−44.7	----	26	270	−49.6	----	18	265	−51.0	----
11,000	22	227	−56.3	----	22	213	−51.3	----	21	235	−53.1	----	16	222	−55.9	----	23	238	−51.8	----	23	232	−55.9	----	13	228	−56.7	----
12,000	20	194	−58.4	----	20	182	−50.5	----	20	201	−57.9	----	11	189	−54.7	----	22	204	−56.4	----	21	198	−58.4	----	8	193	−58.8	----
13,000	15	165	−58.3	----	16	156	−50.8	----	18	171	−58.6	----	7	162	−63.4	----	19	174	−58.2	----	15	168	−58.9	----	6	164	−57.3	----
14,000	9	142	−58.3	----	7	133	−50.4	----	14	145	−60.3	----	----	----	----	----	17	148	−61.1	----	11	144	−60.0	----	----	----	----	----
15,000	----	----	----	----	----	----	----	----	7	124	−63.2	----	----	----	----	----	9	126	−64.4	----	7	122	−61.5	----	----	----	----	----
16,000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	9	107	−68.4	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Mazatlan, Mexico (80 m.)				Medford, Oreg. (409 m.)				Merida, Mexico (27 m.)				Miami, Fla. (4 m.)				Nashville, Tenn. (180 m.)				North Platte, Nebr. (849 m.)				Oakland, Calif. (2 m.)			
Surface	24	1,006	18.9	82	26	972	6.9	75	22	1,012	26.0	65	28	1,021	18.4	84	28	998	4.7	75	28	918	−2.2	84	28	1,019	11.7	76
500	24	959	20.7	44	26	961	6.9	72	22	959	23.2	66	28	964	17.5	77	28	960	3.2	73	----	----	----	----	28	960	10.0	65
1,000	24	905	19.7	30	26	904	4.6	69	22	906	19.9	66	28	909	14.9	66	28	902	2.2	72	28	900	−0.9	74	28	903	7.4	59
1,500	24	854	17.0	27	26	850	1.3	74	22	855	16.6	71	28	856	12.9	54	28	848	2.2	65	28	846	−2.0	66	28	850	5.2	52
2,000	24	805	13.8	25	26	798	−1.6	68	22	806	13.3	74	28	807	10.4	52	28	797	0.7	59	28	794	−3.1	61	28	799	2.7	48
2,500	24	758	10.5	29	26	750	−4.4	65	22	759	10.7	67	28	760	8.0	47	28	749	−1.2	55	28	745	−5.7	62	28	751	0.3	41
3,000	24	714	7.2	34	26	703	−7.0	63	22	715	9.8	----	28	714	5.8	37	28	703	−3.2	57	28	699	−8.0	62	28	705	−2.2	----
4,000	21	630	−0.1	----	25	618	−12.7	62	22	633	5.2	----	28	632	1.5	----	22	620	−8.6	50	28	614	−13.4	59	28	621	−8.6	----
5,000	21	556	−6.1	----	25	542	−18.6	57	20	559	−1.5	----	28	557	−4.4	----	21	544	−14.3	----	28	537	−20.3	59	28	545	−15.0	----
6,000	21	488	−12.6	----	24	472	−25.4	----	18	492	−9.0	----	28	490	−10.8	----	20	476	−20.9	----	28	469	−26.7	----	28	477	−21.6	----
7,000	19	428	−19.9	----	23	411	−32.1	----	18	432	−16.8	----	28	430	−17.9	----	20	415	−27.8	----	28	407	−33.6	----	28	416	−28.6	----
8,000	17	373	−27.5	----	20	356	−40.0	----	17	377	−24.6	----	28	376	−25.5	----	18	361	−34.8	----	28	352	−40.7	----	28	361	−35.5	----
9,000	16	324	−35.0	----	20	306	−46.9	----	17	328	−32.1	----	28	326	−33.2	----	17	312	−42.3	----	27	304	−47.3	----	26	312	−42.8	----
10,000	14	281	−42.4	----	19	263	−52.2	----	17	284	−39.3	----	26	283	−40.7	----	12	269	−49.6	----	27	260	−53.0	----	26	268	−49.8	----
11,000	11	242	−49.4	----	17	226	−57.4	----	17	245	−46.3	----	26	243	−48.0	----	10	230	−55.9	----	26	223	−56.0	----	23	230	−54.5	----
12,000	7	208	−55.6	----	14	192	−60.3	----	16	210	−51.9	----	25	208	−54.0	----	5	198	−59.6	----	20	190	−56.3	----	17	198	−58.3	----
13,000	----	----	----	----	11	163	−56.7	----	16	180	−56.6	----	23	178	−58.5	----	----	----	----	----	17	163	−54.8	----	8	168	−60.6	----
14,000	----	----	----	----	7	139	−55.5	----	15	153	−61.9	----	20	152	−63.4	----	----	----	----	----	10	139	−54.6	----	----	----	----	----
15,000	----	----	----	----	----	----	----	----	9	131	−67.1	----	14	129	−69.2	----	----	----	----	----	7	119	−56.7	----	----	----	----	----
16,000	----	----	----	----	----	----	----	----	----	----	----	----	6	108	−74.6	----	----	----	----	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Ogden, Utah (1,355 m.)				Oklahoma City, Okla. (391 m.)				Omaha, Nebr. (308 m.)				Phoenix, Ariz. (339 m.)				Pittsburgh, Pa. (382 m.)				Portland, Maine (20 m.)				Rapid City, S. Dak. (981 m.)			
Surface	28	864	1.2	72	28	971	3.9	78	28	983	−1.2	80	28	975	12.6	56	28	974	−1.2	78	25	1014	−5.8	75	28	902	−5.0	79
500	----	----	----	----	28	958	4.2	74	28	960	−1.9	79	28	957	14.8	44	28	960	−1.4	77	25	955	−5.5	69	----	----	----	----
1,000	----	----	----	----	28	901	4.2	63	28	900	−3.4	77	28	902	12.1	41	28	901	−3.6	78	25	895	−7.8	72	28	900	−4.8	77
1,500	28	849	1.6	65	28	848	3.8	62	28	845	−3.9	71	28	849	8.5	45	28	845	−5.0	69	25	839	−9.6	70	28	845	−4.4	67
2,000	28	798	−1.4	66	28	796	3.3	57	28	793	−5.8	71	28	799	4.7	47	28	793	−5.8	60	25	786	−11.2	66	28	792	−5.9	66
2,500	28	749	−5.0	70	28	749	1.1	45	28	744	−6.8	63	28	751	1.3	48	28	744	−7.8	56	25	737	−12.7	64	28	744	−8.3	61
3,000	28	702	−8.1	68	28	703	−1.3	36	28	698	−8.9	54	28	706	−1.6	43	28	697	−9.8	55	25	690	−14.2	62	28	697	−11.3	62
4,000	28	617	−13.5	60	28	620	−6.6	----	27	613	−13.4	54	28	622	−7.9	39	28	612	−14.2	55	25	604	−19.1	63	27	611	−16.7	56
5,000	28	540	−19.2	66	28	545	−12.7	----	27	536	−19.6	61	28	546	−14.3	40	28	536	−19.7	----	23	527	−25.2	----	26	534	−23.5	----
6,000	28	472	−25.8	----	27	477	−19.7	----	27	468	−26.3	----	28	477	−21.0	----	28	468	−25.9	----	23	459	−31.2	----	25	465	−29.8	----
7,000	28	410	−33.2	----	27	416	−27.3	----	27	407	−33.1	----	27	417	−28.1	----	28	406	−32.4	----	22	397	−38.0	----	23	403	−37.1	----
8,000	28	354	−40.5	----	25	361	−34.7	----	27	352	−39.9	----	27	361	−35.6	----	28	352	−39.0	----	22	343	−44.2	----	22	348	−44.5	----
9,000	27	305	−47.1	----	25	312	−42.3	----	27	304	−46.8	----	27	312	−42.7	----	28	303	−45.6	----	20	294	−50.2	----	20	299	−50.3	----
10,000	26	262	−53.3	----	24	269	−50.0	----	27	261	−52.2	----	26	269	−49.7	----	28	261	−51.8	----	20	252	−53.3	----	19	256	−54.3	----
11,000	25	225	−57.6	----	23	231	−56.1	----	25	223	−56.8	----	25	230	−55.8	----	25	223	−56.0	----	16	215	−53.9	----	15	220	−55.9	----
12,000	22	192	−68.9	----	21	196	−58.9	----	19	191	−56.7	----	19	197	−60.2	----	20	190	−55.6	----	12	185	−63.5	----	13	187	−56.1	----
13,000	19	164	−58.8	----	16	167	−58.9	----	16	162	−55.1	----	11	168	−60.2	----	14	162	−54.3	----	10	158	−51.5	----	10	160	−54.3	----
14,000	14	140	−57.0	----	12	143	−59.4	----	10	139	−55.2	----	7	142	−58.1	----	10	138	−55.5	----	6	136	−51.9	----	5	137	−53.7	----
15,000	7	119	−57.7	----	5	122	−61.2	----	5	119	−56.5	----	5	121	−61.0	----	----	----	----	----	----	----	----	----	----	----	----	----

See footnote at end of table.

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

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL—Continued

Altitude (meters) m. s. l.	St. Louis, Mo. (171 m.)				St. Paul, Minn. (225 m.)				San Antonio, Tex. (240 m.)				San Juan, P. R. (15 m.)				Santa Maria, Calif. (71 m.)				S. Ste. Marie, Mich. (221 m.)				Spokane, Wash. (598 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	28	1,000	0.8	74	28	992	−7.2	81	28	988	12.6	81	28	1,017	23.4	80	28	1,010	10.7	83	28	990	−8.5	90	28	946	2.0	79
500	28	960	−2.6	73	28	958	−8.2	84	28	958	12.9	75	28	961	20.0	78	28	960	10.4	70	28	955	−8.4	90	----	----	----	----
1,000	28	901	−1.3	68	28	898	−8.5	80	28	903	12.2	72	28	907	16.6	76	28	904	8.5	59	28	895	−10.0	83	28	900	0.5	76
1,500	28	847	−1.6	68	28	842	−9.0	70	28	851	10.8	62	28	855	13.6	73	28	850	6.1	52	28	839	−11.4	77	28	846	−2.4	77
2,000	28	795	−2.6	63	28	788	−10.2	61	28	801	9.4	46	28	805	10.5	68	28	800	4.2	39	28	786	−12.5	68	28	794	−5.6	80
2,500	28	746	−4.2	61	28	739	−11.4	58	28	754	7.6	33	28	758	8.7	51	28	752	1.5	34	28	736	−13.7	60	28	744	−8.3	79
3,000	28	700	−6.4	60	28	692	−13.6	59	28	709	4.9	32	28	714	7.9	----	28	706	−1.4	----	28	688	−15.6	----	28	698	−11.4	73
4,000	28	616	−11.7	57	27	606	−19.4	----	28	627	−1.4	29	28	632	4.2	----	28	622	−7.4	----	28	603	−20.4	----	28	611	−17.3	71
5,000	28	539	−17.4	53	27	529	−25.5	----	28	552	−7.9	----	28	558	−1.9	----	27	546	−14.0	----	28	526	−26.5	----	28	534	−23.5	----
6,000	28	472	−23.4	----	25	461	−31.4	----	28	485	−15.0	----	28	491	−8.7	----	27	478	−20.8	----	28	457	−32.9	----	28	466	−29.4	----
7,000	28	410	−30.8	----	24	399	−38.0	----	28	424	−22.0	----	28	432	−16.0	----	27	417	−27.7	----	28	395	−39.8	----	28	403	−36.0	----
8,000	28	355	−38.2	----	23	345	−44.8	----	28	369	−29.6	----	28	377	−23.2	----	27	362	−34.9	----	28	340	−46.3	----	28	349	−43.0	----
9,000	28	306	−45.5	----	22	296	−51.6	----	28	320	−37.4	----	28	328	−30.3	----	25	313	−42.0	----	26	293	−51.6	----	27	300	−49.6	----
10,000	28	264	−51.9	----	21	253	−56.3	----	28	276	−45.0	----	27	285	−38.1	----	25	270	−49.1	----	24	251	−54.0	----	25	257	−55.2	----
11,000	28	226	−56.6	----	19	216	−55.3	----	27	237	−52.0	----	27	246	−43.8	----	23	231	−55.1	----	19	215	−54.4	----	22	220	−56.9	----
12,000	23	193	−57.6	----	13	184	−53.6	----	26	203	−56.4	----	26	211	−50.6	----	21	196	−59.2	----	12	183	−50.5	----	17	188	−55.3	----
13,000	16	165	−56.6	----	13	158	−53.7	----	23	173	−58.5	----	24	180	−57.1	----	14	167	−58.3	----	8	156	−49.0	----	10	159	−53.4	----
14,000	9	142	−57.3	----	8	135	−53.3	----	22	148	−60.9	----	20	154	−62.6	----	8	142	−57.4	----	7	134	−50.2	----	5	137	−53.1	----
15,000	7	121	−59.3	----	5	116	−53.2	----	14	126	−63.6	----	13	130	−68.4	----	----	----	----	----	----	----	----	----	----	----	----	----
16,000	----	----	----	----	----	----	----	----	9	107	−66.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17,000	----	----	----	----	----	----	----	----	5	90	−67.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Swan Island, W. I. (10 m.)				Tacubaya, Mexico (2,306 m.)				Tampa, Fla. (3 m.)				Tatoosh Island, Wash. (31 m.)				Toledo, Ohio (191 m.)				Washington, D. C. (25 m.)			
Surface	28	1,016	24.7	80	28	774	16.4	44	28	1,021	16.9	80	28	1,013	6.7	81	28	996	−3.1	87	28	1,018	3.1	62
500	28	960	21.1	82	----	----	----	----	28	963	16.3	64	28	956	4.0	78	28	958	−3.3	84	28	960	1.1	59
1,000	28	907	17.8	75	----	----	----	----	28	909	14.3	56	28	899	0.9	78	28	899	−5.7	81	28	902	0.2	57
1,500	28	855	14.8	66	----	----	----	----	28	856	11.8	58	28	845	−1.8	76	28	844	−5.8	60	28	847	−1.0	54
2,000	28	805	11.9	61	----	----	----	----	28	806	9.1	55	28	793	−4.5	74	28	791	−6.7	49	28	795	−3.2	52
2,500	28	759	10.0	45	28	756	15.4	42	28	759	6.9	48	28	744	−7.2	68	28	742	−8.4	48	28	746	−5.2	52
3,000	28	714	9.0	30	28	713	11.9	44	28	713	4.5	37	28	697	−9.9	65	28	695	−10.8	50	28	700	−7.2	50
4,000	28	633	5.0	----	28	631	3.9	55	28	631	0.2	----	27	612	−15.7	62	28	610	−15.9	----	28	615	−12.6	51
5,000	28	559	−0.9	----	28	557	−3.7	54	28	556	−5.7	----	26	536	−22.4	----	27	534	−20.7	----	28	539	−18.2	----
6,000	28	492	−7.6	----	28	490	−9.9	----	27	488	−12.5	----	25	467	−28.6	----	27	466	−27.1	----	28	471	−24.3	----
7,000	28	432	−15.1	----	27	430	−16.8	----	27	428	−19.5	----	24	406	−35.0	----	26	404	−34.2	----	28	410	−31.1	----
8,000	28	378	−22.9	----	24	376	−24.3	----	26	373	−27.0	----	22	350	−42.2	----	24	350	−40.4	----	27	355	−38.0	----
9,000	28	329	−30.2	----	24	326	−32.0	----	26	324	−34.8	----	19	302	−48.4	----	23	301	−46.7	----	25	307	−44.6	----
10,000	28	286	−37.6	----	21	283	−39.7	----	21	280	−42.6	----	15	260	−54.8	----	19	259	−51.9	----	19	264	−50.7	----
11,000	28	246	−44.8	----	19	244	−46.6	----	15	242	−49.7	----	7	226	−59.2	----	15	223	−55.6	----	17	226	−56.5	----
12,000	27	212	−51.9	----	17	210	−52.6	----	15	207	−54.9	----	----	----	----	----	10	190	−55.2	----	14	193	−59.2	----
13,000	27	181	−58.6	----	9	180	−57.8	----	12	177	−57.9	----	----	----	----	----	7	163	−52.5	----	9	165	−57.1	----
14,000	25	154	−64.9	----	5	153	−62.0	----	10	151	−62.6	----	----	----	----	----	5	139	−54.1	----	----	----	----	----
15,000	22	131	−70.4	----	----	----	----	----	7	128	−68.4	----	----	----	----	----	----	----	----	----	----	----	----	----
16,000	8	111	−74.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

[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," page 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.

TABLE 2.—*Free-air resultant winds based on pilot-balloon observations made near 5 p. m., E. S. T (2200 G. C. T.) during February 1945. Directions given in degrees from north (N=360°, E=90°, S=180°, W=270°) Velocities in meters per second*

Altitude (meters) m. s. l.	Abilene, Tex. (534 m.)			Albuquerque, N. Mex. (1,630 m.)			Atlanta, Ga. (299 m.)			Billings, Mont. (1,095 m.)			Bismarck, N. Dak. (512 m.)			Boise, Idaho (868 m.)			Brownsville, Tex. (7 m.)			Buffalo, N. Y. (220 m.)			Burlington, Vt. (132 m.)			Charleston, S. C. (16 m.)			Cincinnati, Ohio (152 m.)			Denver, Colo. (1,627 m.)			El Paso, Tex. (1,196 m.)		
	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity
Surface	24	191	2.7	28	248	1.8	21	256	2.0	25	250	2.2	28	278	3.6	27	306	1.1	25	149	4.3	23	248	4.5	27	245	1.2	22	209	1.7	26	267	1.4	28	2	2.1	27	256	2.5
500	---	---	---	---	---	---	21	265	2.6	---	---	---	---	---	---	---	---	---	25	159	5.1	23	243	6.8	27	240	3.0	22	223	4.2	26	235	3.3	---	---	---	---	---	---
1,000	24	232	3.9	---	---	---	20	246	4.4	---	---	---	27	285	5.5	27	316	2.5	21	186	5.6	18	259	9.2	25	264	4.7	18	261	4.6	23	235	5.8	---	---	---	---	---	---
1,500	21	256	6.1	---	---	---	18	256	6.9	25	259	6.7	22	296	8.7	27	296	2.9	17	221	4.0	12	258	9.2	23	276	7.1	17	276	7.1	21	263	7.4	---	---	---	27	256	3.8
2,000	21	268	8.4	28	225	3.1	15	262	9.3	24	274	8.1	21	300	10.3	25	282	5.6	14	273	6.0	10	280	10.4	17	287	8.8	15	274	9.8	16	278	7.2	28	347	1.9	27	257	4.5
2,500	20	263	9.5	27	244	4.3	12	272	12.0	23	281	10.0	19	301	11.7	20	285	5.5	14	268	8.2	---	---	---	16	285	10.8	13	280	11.5	15	276	10.2	23	300	3.0	27	268	6.0
3,000	19	267	10.0	27	270	6.1	10	273	13.7	22	285	12.3	17	298	12.2	16	291	5.5	13	262	9.9	---	---	---	12	295	13.9	12	279	13.5	14	286	13.1	21	284	6.3	26	271	9.4
4,000	17	274	13.3	23	264	11.7	---	---	---	17	298	11.9	17	300	15.4	410	313	5.4	13	255	13.7	---	---	---	---	---	---	10	275	20.0	10	277	18.1	19	279	11.6	23	262	11.8
5,000	15	277	15.7	20	261	16.1	---	---	---	14	311	15.0	13	307	13.2	---	---	---	13	256	15.6	---	---	---	---	---	---	10	273	24.0	---	---	---	18	292	15.6	21	262	13.6
6,000	12	279	19.3	19	263	18.5	---	---	---	13	319	15.3	12	305	14.7	---	---	---	13	254	21.0	---	---	---	---	---	---	---	---	---	---	---	---	18	286	16.9	15	258	16.2
8,000	---	---	---	14	273	20.8	---	---	---	10	331	21.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10,000	---	---	---	10	283	23.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Altitude (meters) m. s. l.	Ely, Nev. (1,910 m.)			Grand Junction, Colo. (1,413 m.)			Greensboro, N. C. (271 m.)			Havre, Mont. (767 m.)			Jacksonville, Fla. (16 m.)			Joliet, Ill. (178 m.)			Las Vegas, Nev. (573 m.)			Little Rock, Ark. (88 m.)			Medford, Oreg. (410 m.)			Miami, Fla. (12 m.)			Mobile, Ala. (66 m.)			Nashville, Tenn. (194 m.)			New York, N. Y. (15 m.)		
	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity
Surface	28	331	0.6	28	311	1.8	23	263	1.1	25	253	2.1	28	111	1.2	26	263	2.3	28	348	1.4	22	286	0.4	25	276	1.2	28	136	3.9	23	206	2.3	23	228	1.0	24	291	3.5
500	---	---	---	---	---	---	23	267	2.3	---	---	---	28	226	2.7	26	258	3.6	---	---	---	22	244	0.6	25	267	0.9	28	138	3.9	23	212	5.0	23	211	0.8	24	296	3.9
1,000	---	---	---	---	---	---	21	268	3.6	25	259	5.3	26	245	4.7	21	276	5.7	28	320	0.3	16	216	4.6	25	233	1.8	27	156	2.1	18	234	7.0	19	201	2.9	24	297	6.1
1,500	---	---	---	28	306	1.6	21	274	6.2	25	274	8.5	23	260	8.1	17	278	7.4	27	293	1.5	15	241	6.3	24	239	2.5	23	250	1.7	14	254	7.2	15	228	4.9	24	293	9.6
2,000	28	345	0.7	28	276	1.1	21	272	10.0	23	284	9.7	23	259	10.5	15	277	9.2	26	296	3.5	12	266	9.1	21	257	3.0	19	279	2.8	12	259	8.8	12	254	8.7	17	293	10.3
2,500	28	316	1.6	28	266	2.3	18	281	14.2	23	290	9.4	21	260	12.5	14	280	10.6	24	290	4.3	11	267	11.4	17	315	4.2	19	280	3.7	10	274	11.7	12	266	10.1	14	293	12.2
3,000	25	294	2.5	25	252	4.7	18	281	16.1	22	294	10.7	17	263	14.2	12	281	14.0	21	296	4.6	---	---	---	13	338	6.2	18	285	4.7	---	---	---	10	280	12.1	---	---	---
4,000	19	301	7.6	16	273	8.4	13	288	19.7	16	297	10.5	16	267	15.6	---	---	---	19	307	7.9	---	---	---	11	333	12.0	19	269	7.8	---	---	---	---	---	---	---	---	---
5,000	15	303	12.5	---	---	---	11	286	24.3	12	296	12.2	15	274	18.4	---	---	---	16	313	12.8	---	---	---	11	319	15.2	19	270	10.2	---	---	---	---	---	---	---	---	---
6,000	12	323	13.6	---	---	---	---	---	---	---	---	---	13	271	22.8	---	---	---	16	318	15.2	---	---	---	---	---	---	18	275	12.8	---	---	---	---	---	---	---	---	---
8,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	271	16.0	---	---	---	---	---	---	---	---	---
10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	261	19.9	---	---	---	---	---	---	---	---	---

Altitude (meters) m. s. l.	Oakland, Calif. (8 m.)			Oklahoma City, Okla. (396 m.)			Omaha, Nebr. (306 m.)			Phoenix, Ariz. (338 m.)			Rapid City, S. Dak. (982 m.)			St. Louis, Mo. (181 m.)			St. Paul, Minn. (225 m.)			San Antonio, Tex. (240 m.)			San Diego, Calif. (15 m.)			Sault Ste. Marie, Mich. (225 m.)			Seattle, Wash. (116 m.)			Spokane, Wash. (603 m.)			Washing-D. C. (24 m.)		
	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity	Observations	Direction	Velocity
Surface	28	254	2.8	20	281	1.0	25	269	2.0	28	257	1.3	27	354	2.4	26	248	1.6	26	250	1.6	23	269	0.2	25	273	3.4	27	273	1.8	26	194	1.5	28	227	2.4	25	298	2.8
500	28	297	3.1	20	300	1.0	25	248	1.9	28	258	1.5	---	---	---	26	245	2.8	26	254	2.5	23	204	0.8	25	297	2.7	27	269	2.5	26	196	3.2	---	---	---	25	279	4.7
1,000	26	342	3.2	19	288	1.4	23	268	4.1	28	250	1.4	27	353	2.5	24	249	5.5	24	272	5.2	21	207	2.8	21	319	2.6	21	276	3.6	21	213	5.7	28	228	4.1	23	266	7.8
1,500	24	340	5.9	15	256	5.0	15	272	8.6	28	244	1.8	27	318	4.9	21	258	7.1	19	275	6.4	18	248	4.6	19	339	4.2	14	290	4.5	19	219	5.4	22	243	6.2	22	284	10.5
2,000	24	334	6.8	14	275	5.7	14	277	11.5	27	245	2.7	23	304	7.3	19	276	9.6	18	273	7.8	15	274	7.7	17	338	5.3	12	296	5.8	14	248	5.8	16	253	7.7	20	294	11.8
2,500	22	335	7.3	14	262	7.3	13	278	12.9	26	256	3.5	21	300	9.2	16	280	11.7	15	277	11.4	14	272	11.2	16	328	6.6	---	---	---	---	---	---	10	293	5.4	20	289	14.8
3,000	22	331	9.4	12	278	11.0	11	285	13.5	26	261	5.6	16	296	11.9	15	271	13.4	14	279	13.4	13	264	12.2	15	325	7.7	---	---	---	---	---	---	---	---	---	19	292	17.5
4,000	19	325	12.5	12	277	16.2	---	---	---	25	264	8.5	13	292	13.8	13	274	20.5	11	285	15.7	13	271	16.2	15	318	9.3	---	---	---	---	---	---	---	---	---	18	290	19.7
5,000	14	330	14.9	12	286	18.9	---	---	---	23	273	10.3	10	294	15.7	10	279	26.1	10	283	17.2	13	267	17.5	14	308	12.4	---	---	---	---	---	---	---	---	---	13	284	25.1
6,000	11	331	20.0	11	287	24.2	---	---	---	19	296	12.4	---	---	---	---	---	---	---	---	---	10	277	18.2	10	320	14.4	---	---	---	---	---	---	---	---	---	11	285	30.9
8,000	---	---	---	---	---	---	---	---	---	13	292	19.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3.—*Maximum free air wind velocities (m. p. s.) for different sections of the United States based on pilot balloon observations during February 1945*

Section	Surface to 2,500 meters (m. s. l.)					Above 2,500 to 5,000 meters (m. s. l.)					Above 5,000 meters (m. s. l.)				
	Maximum velocity	Direction	Altitude (m.) m. s. l.	Date	Station	Maximum velocity	Direction	Altitude (m.) m. s. l.	Date	Station	Maximum velocity	Direction	Altitude (m.) m. s. l.	Date	Station
Northeast [1]	43.4	WNW.	2,500	16	Boston, Mass.	61.6	W.	4,690	16	Boston, Mass.	74.5	WNW.	8,212	25	Portland, Maine.
East-Central [2]	44.5	SW.	2,500	22	Knoxville, Tenn.	61.2	WSW.	3,270	20	Knoxville, Tenn.	73.6	W.	9,737	24	Huntington, W. Va.
						44.0	NW.	2,988	1	Birmingham, Ala.					
Southeast [3]	40.8	SW.	996	13	Charleston, S. C.	44.0	SW.	3,316	13	Charleston, S. C.	61.5	WNW.	13,987	19	Miami, Fla.
North-Central [4]	48.2	WSW.	2,500	26	Alpena, Mich.	55.2	WSW.	4,943	26	Madison, Wis.	73.2	WSW.	6,023	26	Madison, Wis.
Central [5]	44.5	NNW.	2,020	7	North Platte, Nebr.	43.2	WNW.	3,925	10	Kansas City, Mo.	83.0	W.	10,672	24	Indianapolis, Ind.
											60.0	WSW.	7,611	27	Big Spring, Tex.
South-Central [6]	37.6	SW.	2,276	6	Tulsa, Okla.	54.8	WSW.	5,000	21	San Antonio, Tex.	60.0	SW.	12,192	6	Brownsville, Tex.
Northwest [7]	45.4	WSW.	1,379	8	Havre, Mont.	50.4	NNE.	5,000	27	Tatoosh Is., Wash.	64.8	NNE.	9,102	25	Burns, Oreg
West-Central [8]	38.6	WNW.	2,489	8	Cheyenne, Wyo.	50.5	NNW.	5,000	20	Reno, Nev.	72.5	NNW.	10,502	9	Oakland, Calif.
Southwest [9]	53.9	NNW.	2,180	12	Sandberg, Calif.	72.4	N.	4,443	21	Las Vegas, Nev.	79.8	N.	9,949	21	Winslow, Ariz.

[1] Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, and northern Ohio.
[2] Delaware, Maryland, Virginia, West Virginia, southern Ohio, Kentucky, eastern Tennessee, and North Carolina.
[3] South Carolina, Georgia, Florida, and Alabama.
[4] Michigan, Wisconsin, Minnesota, North Dakota, and South Dakota.
[5] Indiana, Illinois, Iowa, Nebraska, Kansas ,and Missouri.
[6] Mississippi, Arkansas, Louisiana, Oklahoma, Texas (except El Paso), and western Tennessee.
[7] Montana, Idaho, Washington, and Oregon.
[8] Wyoming, Colorado, Utah, northern Nevada, and northern California.
[9] Southern California ,southern Nevada, Arizona, New Mexico, and extreme west Texas.

LATE REPORT FOR JANUARY 1945

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

STATIONS AND ELEVATIONS IN METERS ABOVE SEA LEVEL

Altitude (meters) m. s. l.	Swan Island, W. I. (10 m.) Number of observations	Pressure	Temperature	Relative humidity	Altitude (meters) m. s.	Swan Island, W. I. (10 m.) Number of observations	Pressure	Temperature	Relative humidity
Surface	31	1,016	24.1	79	7,000	31	431	−15.4	
500	31	960	20.6	81	8,000	31	377	−22.9	
1,000	31	906	17.3	75	9,000	31	328	−30.3	
1,500	31	854	14.5	67	10,000	31	284	−38.1	
2,000	31	805	12.1	57	11,000	31	245	−46.0	
2,500	31	758	9.8	55	12,000	31	211	−53.3	
3,000	31	714	8.7		13,000	30	180	−59.3	
4,000	31	632	4.1		14,000	23	154	−63.2	
5,000	31	558	−1.6		15,000	9	130	−68.1	
6,000	31	492	−8.2						

REVISED DATA FOR SWAN ISLAND, WEST INDIES

Raob temperature data for Swan Island, W. I., for the period September 1940 through November 1942, published in the MONTHLY WEATHER REVIEW, were too low in the upper levels due to a drift in the calibration of the radiosonde recorder. These data have accordingly been recomputed and the revised data are shown in the following tables.

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

MONTHS AND ELEVATIONS IN METERS ABOVE SEA LEVEL

Altitude (meters) m.s.l.	September, 1940 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	October, 1940 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	November, 1940 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	December, 1940 (10 m.) Number of observations	Pressure	Temperature	Relative humidity
Surface	30	1,010	27.0	86	30	1,011	26.1	82	28	1,012	25.6	83	31	1,012	25.6	80
500	30	955	24.1	85	30	956	23.6	84	28	958	23.1	83	31	957	22.8	82
1,000	30	902	21.3	82	30	904	20.3	85	28	904	20.0	84	31	904	20.0	82
1,500	30	852	18.6	79	30	853	17.6	82	28	853	16.9	78	31	853	17.1	79
2,000	30	803	16.1	77	30	804	15.2	83	28	804	14.4	73	31	804	14.6	73
2,500	30	757	13.9	73	30	758	13.4	79	28	758	12.1	68	31	758	12.5	63
3,000	30	713	11.5	69	30	714	11.1	73	28	714	9.7	60	31	714	9.8	57
4,000	30	633	6.1	66	28	633	6.1	66	28	633	5.4	53	30	633	4.8	43
5,000	29	560	0.0	69	28	560	0.0	61	26	559	0.0	44	30	559	−1.1	35
6,000	29	493	−5.5	67	28	494	−4.9	57	26	493	−6.0	38	30	492	−7.6	36
7,000	29	434	−11.2	66	28	434	−10.8	53	26	433	−12.3	35	30	432	−14.2	34
8,000	28	380	−16.9	64	28	380	−17.4	49	26	379	−18.6	33	30	378	−20.2	34
9,000	28	332	−23.6	62	28	331	−24.4	47	25	331	−25.1	32	30	329	−27.6	35
10,000	28	289	−31.0	60	27	288	−32.1	46	24	288	−32.9	30	30	286	−35.2	34
11,000	27	250	−39.2	61	27	250	−40.1	47	24	249	−40.9	27	30	248	−42.8	
12,000	27	216	−47.0		27	215	−47.8		23	215	−48.5		30	213	−50.0	
13,000	25	185	−54.3		27	184	−54.9		23	184	−55.9		30	182	−56.5	
14,000	25	158	−61.0		27	157	−62.0		23	157	−62.1		29	155	−62.0	
15,000	24	134	−66.9		26	133	−68.0		23	134	−67.1		29	132	−67.0	
16,000	24	114	−71.0		25	113	−72.2		21	113	−70.1		29	112	−71.1	
17,000	24	96	−72.1		24	95	−73.4		20	95	−71.8		28	94	−74.1	
18,000	21	81	−70.1		22	81	−71.0		18	80	−72.5		24	80	−74.3	
19,000	18	68	−66.6		17	68	−67.5		15	68	−69.3		20	67	−70.5	
20,000	12	58	−63.8		17	58	−63.8		14	58	−66.1		15	57	−65.6	
21,000	11	49	−61.0		14	49	−60.1		13	49	−64.0		10	48	−62.8	
22,000	5	42	−59.9		8	42	−59.8		9	42	−61.3		6	42	−60.2	
23,000									6	36	−60.0					

Altitude (meters) m.s.l.	January, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	February, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	March, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity
Surface	31	1,014	24.4	80	28	1,013	24.5	78	31	1,013	24.8	76
500	31	959	21.4	83	28	957	20.9	86	31	958	21.1	83
1,000	31	905	18.2	80	28	904	18.0	83	31	904	18.0	79
1,500	31	854	15.3	75	28	852	15.2	77	31	853	15.7	68
2,000	31	804	12.8	70	28	803	13.0	71	31	804	14.0	60
2,500	31	758	11.1	64	28	757	11.6	59	31	757	11.9	56
3,000	31	714	8.7	56	28	712	9.8	49	31	713	9.8	50
4,000	30	632	4.4	40	28	631	4.8	35	31	632	5.6	40
5,000	30	559	−1.3	34	27	558	−0.6	30	31	559	−0.2	34
6,000	30	492	−7.9	33	27	491	−6.8	27	31	492	−6.7	29
7,000	30	432	−15.0	31	27	432	−13.5	25	31	432	−12.6	28
8,000	30	378	−21.3	30	27	378	−20.1	24	31	378	−19.3	27
9,000	30	328	−28.0	29	27	329	−27.1	23	31	330	−26.7	26
10,000	29	286	−34.7	28	27	286	−33.9	23	31	287	−33.7	25
11,000	29	247	−42.5		27	247	−41.6		29	248	−41.3	
12,000	29	213	−49.4		27	213	−48.9		29	214	−48.9	
13,000	29	182	−56.2		27	182	−56.2		29	183	−56.2	
14,000	29	155	−62.8		27	155	−63.4		28	156	−62.9	
15,000	28	132	−69.4		26	132	−70.2		26	133	−68.6	
16,000	28	111	−74.5		26	111	−76.4		26	112	−73.5	
17,000	27	94	−76.9		24	93	−78.6		24	94	−75.9	
18,000	26	79	−75.0		19	78	−74.6		21	80	−73.2	
19,000	20	67	−70.0		11	66	−69.3		17	67	−69.4	
20,000	16	57	−64.9		5	57	−66.8		13	57	−66.1	
21,000	7	48	−62.2						7	48	−63.2	
22,000									6	41	−60.5	
23,000												

Altitude (meters) m.s.l.	April, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	May, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	June, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	July, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity
Surface	30	1,011	26.3	81	30	1,010	26.4	84	30	1,013	27.3	84	31	1,013	27.0	84
500	30	956	22.6	85	30	956	23.4	88	30	958	24.2	88	31	958	24.1	87
1,000	30	903	20.3	82	30	903	20.4	84	30	905	21.1	84	31	906	21.5	81
1,500	30	852	18.1	68	30	852	17.9	78	30	854	18.3	78	31	855	18.7	74
2,000	30	803	15.5	59	30	803	15.5	71	30	805	16.1	66	31	806	16.1	65
2,500	30	757	12.7	52	30	757	13.2	67	30	759	13.9	54	31	760	13.6	56
3,000	30	713	10.7	44	30	713	10.7	64	30	716	11.1	49	31	716	10.7	50
4,000	30	632	5.5	35	29	632	5.7	68	30	634	5.3	47	31	634	5.1	47
5,000	30	559	−0.4	33	28	559	0.2	67	30	561	−0.3	40	31	561	−0.6	45
6,000	30	492	−6.0	33	28	493	−5.8	63	29	494	−6.7	40	31	494	−6.9	46
7,000	30	433	−12.8	34	26	434	−11.9	58	29	434	−12.8	36	31	434	−13.0	46
8,000	30	379	−19.2	34	25	379	−18.1	56	29	380	−18.9	35	31	379	−18.8	44
9,000	30	330	−25.9	34	24	330	−25.2	55	27	331	−25.7	33	31	330	−25.7	40
10,000	30	287	−33.2	34	23	288	−32.5	53	27	288	−33.2	33	31	288	−33.1	38
11,000	30	248	−40.7		21	250	−40.3		27	249	−41.0		31	249	−40.8	
12,000	29	214	−48.0		21	216	−47.8		25	215	−48.4		30	214	−48.4	
13,000	29	184	−55.3		21	185	−55.8		23	185	−55.3		30	184	−55.9	
14,000	29	157	−61.8		21	157	−63.4		20	157	−62.2		30	157	−62.5	
15,000	29	133	−67.9		20	133	−69.2		20	134	−67.8		29	133	−67.4	
16,000	29	112	−72.2		19	113	−73.5		20	113	−71.3		28	113	−69.2	
17,000	27	95	−74.0		19	95	−75.3		18	95	−71.8		26	95	−69.1	
18,000	26	80	−72.4		14	80	−71.0		16	80	−68.8		24	81	−67.9	
19,000	21	68	−67.7		10	68	−66.0		16	69	−63.9		20	69	−64.5	
20,000	17	58	−63.8		5	57	−62.9		11	58	−59.4		16	58	−61.3	
21,000	12	49	−60.0										6	50	−59.8	
22,000	5	41	−58.6													

Altitude (meters) m.s.l.	August, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	September, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity	October, 1941 (10 m.) Number of observations	Pressure	Temperature	Relative humidity
Surface	31	1,013	27.1	84	31	1,010	27.8	82	31	1,012	27.1	83
500	31	958	24.3	87	31	956	24.6	88	31	958	24.1	90
1,000	31	905	21.6	80	31	903	21.9	82	31	905	21.3	84
1,500	31	854	18.8	75	31	852	19.2	78	31	854	18.6	76
2,000	31	806	16.2	71	31	804	16.7	72	31	805	16.1	73
2,500	31	759	13.6	66	31	758	14.1	69	31	759	13.5	70
3,000	31	716	10.9	61	31	714	11.3	65	31	715	11.0	65
4,000	31	634	4.8	60	30	633	5.9	60	31	634	5.9	61
5,000	30	560	−1.1	56	30	560	0.4	57	31	561	0.8	56
6,000	30	493	−6.9	52	29	494	−5.5	58	30	494	−4.7	52
7,000	30	434	−13.4	51	29	434	−11.2	56	30	435	−10.5	51
8,000	30	380	−19.6	50	28	380	−16.9	52	30	381	−16.5	47
9,000	30	331	−26.3	48	28	332	−23.4	48	30	333	−23.1	45
10,000	30	288	−33.8	48	28	289	−30.5	47	30	289	−30.2	44
11,000	30	249	−41.7		28	251	−37.8		29	251	−37.6	43
12,000	30	215	−49.4		28	217	−45.0		29	217	−45.1	
13,000	30	184	−56.8		28	186	−52.2		29	186	−52.8	
14,000	29	156	−63.7		27	159	−59.3		29	159	−60.3	
15,000	29	133	−68.7		27	135	−65.5		29	135	−67.3	
16,000	26	112	−70.9		26	114	−70.0		29	114	−72.9	
17,000	24	95	−71.0		25	97	−71.5		26	96	−75.8	
18,000	20	80	−69.1		22	82	−70.4		24	81	−76.9	
19,000	17	68	−66.3		17	69	−68.3		16	68	−75.3	
20,000	8	58	−64.3		10	58	−66.0		8	58	−71.0	
21,000												
22,000												