MONTHLY WEATHER REVIEW

Editor, James E. Caskey, Jr.

VOL. 76, No. 5
W. B. No. 1526

MAY 1948

CLOSED JULY 5, 1948
ISSUED AUGUST 15, 1948

METEOROLOGICAL AND CLIMATOLOGICAL DATA FOR MAY 1948

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 May 1948*

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Albany, N. Y. (1,002.0 mb.)				Albuquerque, N. Mex. (834.8 mb.)				Apalachicola, Fla. (1,013.8 mb.)				Atlanta, Ga. (979.3 mb.)				Big Spring, Tex. (923.5 mb.)				Bismarck, N. Dak. (955.6 mb.)				Boise, Idaho (911.7 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	31	86	11.8	76	31	1,620	20.3	28	31	5	23.3	82	30	300	20.4	64	31	774	24.1	41	31	505	14.0	57	30	868	15.0	52
1,000	31	103	(*)	----	31	27	(*)	----	31	125	23.1	78	30	118	(*)	----	31	68	(*)	----	31	117	(*)	----	30	74	(*)	----
950	31	534	10.1	71	31	488	(*)	----	31	574	20.8	70	30	563	20.6	57	31	527	(*)	----	31	557	14.2	51	30	519	(*)	----
900	31	980	8.0	71	31	965	(*)	----	31	1,038	18.6	58	30	1,028	17.4	60	31	999	23.5	42	31	1,010	12.2	47	30	977	15.3	45
850	31	1,450	5.1	74	31	1,463	(*)	----	31	1,526	15.4	58	30	1,514	14.3	57	31	1,495	20.0	43	31	1,486	8.7	51	30	1,458	12.0	46
800	31	1,943	2.4	76	31	1,986	18.8	27	31	2,038	12.6	50	30	2,023	11.6	50	31	2,014	16.8	43	31	1,984	5.1	53	30	1,962	8.2	50
750	31	2,468	-.4	73	31	2,537	14.6	30	31	2,581	9.6	41	30	2,565	8.8	48	31	2,561	12.6	46	31	2,512	2.1	53	30	2,493	3.9	55
700	31	3,012	-3.0	68	31	3,114	9.7	35	31	3,146	6.3	37	30	3,128	5.4	44	31	3,136	8.7	41	31	3,062	-1.0	53	30	3,048	-.5	60
650	31	3,601	-6.0	65	31	3,724	4.5	41	31	3,748	2.6	34	30	3,730	1.5	45	31	3,795	4.0	41	31	3,650	-4.2	53	30	3,637	-5.0	61
600	30	4,213	-9.3	59	31	4,370	-1.0	48	31	4,392	-1.6	30	30	4,369	-2.4	44	31	4,389	-1.1	42	31	4,276	-8.2	56	30	4,261	-9.5	63
550	30	4,885	-13.3	55	31	5,056	-6.7	55	31	5,078	-6.0	31	30	5,054	-6.5	----	31	5,076	-5.9	39	31	4,946	-12.6	53	30	4,926	-14.3	60
500	28	5,596	-17.9	60	31	5,793	-12.7	61	31	5,817	-10.9	----	30	5,792	-11.5	----	31	5,819	-10.9	38	31	5,667	-17.7	51	30	5,642	-19.5	61
450	28	6,384	-22.9	----	31	6,592	-18.1	53	31	6,625	-16.5	----	30	6,596	-17.2	----	31	6,626	-16.2	35	31	6,451	-23.4	----	29	6,427	-24.9	----
400	28	7,228	-29.2	----	30	7,459	-24.3	----	31	7,493	-23.0	----	30	7,464	-23.5	----	30	7,497	-22.3	----	31	7,298	-29.6	----	29	7,270	-31.0	----
350	27	8,162	-36.4	----	30	8,419	-31.3	----	31	8,457	-30.2	----	29	8,426	-31.0	----	30	8,465	-29.4	----	31	8,236	-36.9	----	29	8,202	-38.2	----
300	27	9,214	-44.0	----	30	9,492	-39.4	----	31	9,534	-38.4	----	28	9,501	-39.5	----	30	9,546	-37.7	----	30	9,286	-44.8	----	29	9,245	-45.5	----
250	27	10,417	-51.0	----	30	10,715	-48.6	----	31	10,761	-47.9	----	28	10,722	-49.3	----	30	10,778	-47.1	----	30	10,484	-52.0	----	28	10,449	-51.0	----
200	25	11,834	-55.9	----	30	12,152	-56.9	----	31	12,197	-58.3	----	28	12,150	-59.6	----	29	12,222	-56.7	----	29	11,917	-55.6	----	25	11,885	-55.8	----
175	23	12,670	-55.8	----	30	12,991	-59.2	----	31	13,028	-62.7	----	26	12,974	-63.3	----	28	13,061	-59.7	----	28	12,764	-55.1	----	21	12,727	-53.7	----
150	17	13,654	-54.9	----	29	13,952	-60.0	----	31	13,971	-64.5	----	25	13,915	-63.9	----	22	14,018	-60.9	----	27	13,751	-55.0	----	19	13,720	-53.4	----
125	13	14,834	-56.2	----	27	15,082	-61.0	----	29	15,081	-66.2	----	25	15,031	-64.3	----	16	15,133	-61.6	----	25	14,913	-55.7	----	16	14,910	-56.0	----
100	11	16,244	-56.6	----	21	16,453	-62.8	----	20	16,436	-67.9	----	23	16,395	-64.9	----	6	16,475	-62.5	----	20	16,335	-57.6	----	7	16,370	-58.3	----
80	10	17,643	-56.9	----	8	17,819	-63.9	----	15	17,781	-67.3	----	19	17,748	-64.9	----	----	------	------	----	15	17,751	-58.5	----	----	------	------	----
60	6	19,477	-57.8	----	----	------	------	----	7	19,525	-62.8	----	9	19,499	-61.0	----	----	------	------	----	----	------	------	----	----	------	------	----
50	5	20,627	-57.1	----	----	------	------	----	6	20,653	-59.1	----	----	------	------	----	----	------	------	----	----	------	------	----	----	------	------	----

Standard pressure surface (mb.)	Brownsville, Tex. (1,010.0 mb.)				Buffalo, N. Y. (986.9 mb.)				Caribou, Maine (990.1 mb.)				Charleston, S. C. (1,012.1 mb.)				Ciudad Victoria, Mex. (969.9 mb.)				Columbia, Mo. (985.5 mb.)				Dodge City, Kans. (922.2 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	31	6	25.2	83	30	221	11.1	72	31	191	8.0	76	31	13	19.6	89	29	335	27.9	62	31	239	17.3	68	31	792	17.6	58
1,000	31	94	24.7	82	30	110	(*)	----	31	108	(*)	----	31	117	20.9	82	29	61	(*)	----	31	113	(*)	----	31	89	(*)	----
950	31	544	22.4	76	30	544	11.5	67	31	537	7.8	66	31	564	20.0	67	29	518	26.1	64	31	555	16.9	61	31	540	(*)	----
900	31	1,014	21.3	61	30	990	9.0	67	31	977	5.5	67	31	1,026	17.0	65	29	993	22.3	67	31	1,011	13.7	66	31	1,000	17.9	53
850	31	1,508	19.3	54	30	1,460	5.8	71	31	1,441	2.7	70	31	1,511	14.0	62	29	1,488	18.8	68	31	1,491	10.7	64	31	1,488	15.1	53
800	31	2,028	16.6	48	30	1,954	3.1	65	31	1,930	-.3	72	31	2,020	11.1	59	29	2,006	15.2	74	31	1,994	8.2	57	31	1,999	12.3	50
750	31	2,579	13.5	43	30	2,483	.5	56	31	2,450	-3.0	70	31	2,561	8.0	55	29	2,553	11.9	68	31	2,532	6.2	46	31	2,541	9.2	43
700	31	3,153	9.7	45	30	3,026	-2.2	53	31	2,988	-5.3	60	31	3,123	4.8	50	29	3,126	8.5	64	31	3,088	3.2	47	31	3,105	5.5	40
650	31	3,766	5.6	42	30	3,616	-5.0	48	31	3,574	-7.9	54	31	3,726	1.5	47	28	3,738	4.3	56	30	3,690	-.1	42	31	3,706	1.1	41
600	31	4,413	.8	42	30	4,236	-8.7	50	31	4,186	-10.9	50	31	4,364	-2.4	40	28	4,383	.3	56	30	4,325	-4.3	39	31	4,344	-3.6	40
550	31	5,104	-4.1	40	29	4,906	-12.8	51	31	4,852	-15.0	47	31	5,048	-6.6	----	28	5,077	-4.1	57	30	5,006	-8.9	----	31	5,025	-8.6	40
500	31	5,851	-9.4	41	29	5,625	-17.2	46	31	5,564	-19.6	49	31	5,788	-11.3	----	28	5,821	-9.1	56	30	5,737	-13.7	----	31	5,758	-13.8	47
450	31	6,663	-14.9	----	29	6,413	-22.5	----	31	6,341	-25.3	----	31	6,595	-16.7	----	28	6,640	-14.0	61	30	6,539	-19.1	----	31	6,558	-19.2	47
400	31	7,538	-21.0	----	28	7,263	-28.8	----	31	7,181	-31.7	----	31	7,463	-23.1	----	27	7,517	-19.8	51	30	7,397	-25.5	----	31	7,416	-25.4	----
350	31	8,511	-27.9	----	27	8,201	-35.8	----	31	8,112	-38.4	----	31	8,427	-30.5	----	27	8,494	-27.3	----	30	8,351	-32.7	----	31	8,370	-32.9	----
300	31	9,600	-36.0	----	27	9,255	-43.4	----	31	9,157	-44.8	----	31	9,503	-38.9	----	27	9,582	-35.5	----	30	9,418	-40.9	----	31	9,436	-41.2	----
250	31	10,840	-45.6	----	25	10,461	-51.3	----	31	10,359	-50.7	----	31	10,728	-48.9	----	27	10,830	-45.4	----	30	10,633	-50.1	----	28	10,647	-50.2	----
200	29	12,291	-55.8	----	22	11,917	-55.7	----	31	11,798	-54.3	----	31	12,158	-59.6	----	13	12,293	-55.7	----	29	12,056	-59.2	----	27	12,068	-58.9	----
175	26	13,136	-60.4	----	17	12,746	-56.2	----	30	12,654	-53.8	----	30	12,984	-63.4	----	----	------	------	----	26	12,882	-60.8	----	21	12,918	-61.1	----
150	22	14,092	-64.1	----	12	13,747	-55.4	----	28	13,643	-53.6	----	27	13,922	-63.9	----	----	------	------	----	23	13,833	-60.9	----	7	13,843	-59.7	----
125	13	15,202	-67.3	----	----	------	------	----	22	14,814	-54.1	----	24	15,036	-63.8	----	----	------	------	----	14	14,986	-61.3	----	----	------	------	----
100	----	------	------	----	----	------	------	----	13	16,233	-54.9	----	19	16,391	-64.6	----	----	------	------	----	10	16,364	-62.2	----	----	------	------	----
80	----	------	------	----	----	------	------	----	----	------	------	----	14	17,746	-64.2	----	----	------	------	----	5	17,719	-61.8	----	----	------	------	----
60	----	------	------	----	----	------	------	----	----	------	------	----	11	19,524	-60.3	----	----	------	------	----	----	------	------	----	----	------	------	----

See footnotes at end of table.

793800—48——1

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 May 1948*—Continued

Standard pressure surface (mb.)	El Paso, Tex. (877.4 mb.)				Ely, Nev. (805.4 mb.)				Fort Worth, Tex. (986.9 mb.)				Glasgow, Mont. (938.2 mb.)				Grand Junction, Colo. (848.2 mb.)				Great Falls, Mont. (885.1 mb.)				Greensboro, N. C. (982.3 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	31	1,195	25.0	19	30	1,908	12.4	32	31	211	22.9	67	31	648	14.3	54	31	1,474	17.9	26	31	1,128	12.0	61	31	273	17.2	75
1,000	31	26	(*)	----	30	48	(*)	----	31	95	(*)	----	31	102	(*)	----	31	33	(*)	----	31	89	(*)	----	31	120	(*)	----
950	31	498	(*)	----	30	498	(*)	----	31	549	21.8	64	31	542	(*)	----	31	495	(*)	----	31	533	(*)	----	31	563	18.0	64
900	31	979	(*)	----	30	966	(*)	----	31	1,011	18.9	66	31	998	13.4	49	31	966	(*)	----	31	993	(*)	----	31	1,021	15.3	63
850	31	1,474	24.0	20	30	1,451	(*)	----	31	1,500	16.3	61	31	1,476	9.9	52	31	1,455	(*)	----	31	1,466	10.5	55	31	1,503	11.9	65
800	31	1,997	19.8	21	30	1,965	13.0	30	31	2,014	14.1	48	31	1,977	6.6	56	31	1,974	16.4	25	31	1,968	7.0	58	31	2,008	8.9	63
750	31	2,550	15.1	24	30	2,505	8.8	34	31	2,564	11.0	43	31	2,508	3.2	58	31	2,518	11.7	28	31	2,498	3.1	61	31	2,548	6.1	53
700	31	3,126	10.0	29	30	3,068	3.7	41	31	3,128	7.4	40	31	3,059	−.2	56	31	3,089	6.7	34	31	3,050	−.7	63	31	3,103	2.9	54
650	31	3,735	4.6	34	30	3,664	−1.5	49	31	3,737	3.2	39	31	3,652	−3.9	53	31	3,691	1.3	42	31	3,642	−4.9	65	31	3,702	−.8	51
600	31	4,381	−.8	39	30	4,295	−7.1	59	31	4,377	−1.2	37	31	4,275	−8.2	53	31	4,330	−4.2	50	31	4,263	−9.2	65	31	4,335	−4.3	48
550	31	5,068	−6.1	41	30	4,966	−12.6	66	30	5,069	−5.9	36	31	4,945	−12.7	47	31	5,008	−9.6	55	31	4,930	−13.8	62	31	5,014	−8.4	46
500	30	5,808	−11.3	----	30	5,688	−17.2	57	30	5,805	−11.2	38	31	5,666	−17.8	45	31	5,737	−15.4	58	30	5,651	−19.2	57	30	5,748	−13.0	50
450	30	6,618	−16.8	----	30	6,476	−22.7	----	30	6,614	−16.8	----	31	6,451	−23.5	----	31	6,533	−21.0	----	30	6,430	−24.9	----	30	6,551	−18.5	48
400	30	7,482	−23.5	----	30	7,324	−28.9	----	30	7,479	−23.5	----	30	7,293	−30.4	----	31	7,384	−27.3	----	30	7,271	−31.1	----	30	7,412	−24.7	----
350	29	8,443	−31.0	----	30	8,265	−35.8	----	30	8,440	−30.9	----	29	8,230	−37.5	----	31	8,331	−34.4	----	30	8,203	−38.4	----	30	8,369	−32.0	----
300	29	9,517	−39.6	----	30	9,319	−43.3	----	30	9,514	−39.3	----	29	9,275	−45.8	----	31	9,390	−42.6	----	30	9,245	−45.9	----	30	9,438	−40.3	----
250	29	10,738	−49.6	----	30	10,526	−50.6	----	29	10,734	−49.0	----	27	10,480	−52.5	----	29	10,605	−50.8	----	30	10,438	−52.7	----	29	10,655	−49.4	----
200	26	12,166	−58.9	----	30	11,960	−55.8	----	29	12,165	−59.0	----	22	11,943	−56.6	----	28	12,026	−57.4	----	28	11,869	−55.2	----	28	12,088	−58.7	----
175	23	12,995	−62.3	----	29	12,803	−56.7	----	29	12,995	−62.6	----	21	12,797	−56.1	----	27	12,872	−58.0	----	23	12,713	−53.3	----	28	12,921	−61.3	----
150	21	13,939	−63.8	----	25	13,766	−56.4	----	29	13,941	−64.0	----	21	13,780	−54.8	----	21	13,841	−57.3	----	19	13,699	−52.8	----	26	13,870	−61.2	----
125	17	15,043	−65.1	----	22	14,931	−58.6	----	26	15,059	−64.8	----	20	14,934	−55.7	----	14	14,998	−58.3	----	12	14,878	−55.4	----	21	15,022	−61.0	----
100	10	16,390	−66.5	----	13	16,330	−59.6	----	18	16,415	−65.8	----	16	16,346	−56.9	----	----	----	----	----	9	16,319	−57.6	----	15	16,409	−62.1	----
80	----	----	----	----	----	----	----	----	12	17,759	−66.6	----	10	17,756	−57.6	----	----	----	----	----	7	17,725	−58.2	----	8	17,765	−61.5	----
60	----	----	----	----	----	----	----	----	----	----	----	----	7	19,583	−56.8	----	----	----	----	----	----	----	----	----	----	----	----	----
50	----	----	----	----	----	----	----	----	----	----	----	----	5	20,783	−56.8	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Hatteras, N. C. (1,013.9 mb.)				Havana, Cuba[1] (------ mb.)				Honolulu, T. H. (1,016.0 mb.)				Huntington, W. Va. (993.5 mb.)				International Falls, Minn. (974.9 mb.)				Joliet, Ill. (993.9 mb.)				Lake Charles, La. (1,012.2 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	31	3	20.5	77	----	----	----	----	31	3	26.3	62	31	172	14.6	81	31	360	10.8	57	31	178	10.6	73	31	5	22.8	82
1,000	31	121	20.2	73	----	----	----	----	31	143	23.8	65	31	116	(*)	----	31	146	(*)	----	31	126	(*)	----	31	111	23.4	77
950	31	567	17.7	67	----	----	----	----	31	591	20.0	73	31	558	15.7	67	31	577	12.4	47	31	559	11.8	65	31	562	20.6	75
900	31	1,023	14.6	67	----	----	----	----	31	1,054	16.6	77	31	1,010	12.8	66	31	1,028	9.4	49	31	1,008	10.7	62	31	1,025	18.0	72
850	31	1,505	11.7	64	----	----	----	----	31	1,539	14.1	73	31	1,487	9.8	67	31	1,498	5.8	53	31	1,482	8.0	62	31	1,513	15.5	60
800	31	2,010	9.0	58	----	----	----	----	31	2,050	12.2	55	31	1,989	7.0	61	31	1,991	2.5	55	31	1,980	5.2	63	31	2,025	13.8	43
750	31	2,546	6.8	50	----	----	----	----	31	2,595	10.6	35	31	2,525	3.9	55	31	2,515	−.3	50	31	2,512	2.7	60	31	2,573	11.1	39
700	31	3,106	3.5	50	----	----	----	----	31	3,161	8.2	30	31	3,074	1.0	50	31	3,063	−2.9	46	31	3,061	.1	52	31	3,140	7.8	39
650	30	3,705	.2	47	----	----	----	----	31	3,775	5.3	24	31	3,671	−2.0	45	31	3,643	−6.3	44	31	3,658	−3.0	49	31	3,748	3.9	38
600	30	4,342	−3.6	48	----	----	----	----	31	4,419	1.7	----	30	4,299	−6.0	48	31	4,265	−10.0	41	31	4,281	−6.6	50	31	4,392	−.6	38
550	30	5,025	−7.6	48	----	----	----	----	31	5,114	−2.6	----	30	4,979	−10.1	47	31	4,932	−14.0	39	31	4,960	−10.8	50	31	5,080	−5.5	39
500	30	5,760	−12.3	44	----	----	----	----	31	5,863	−7.6	----	30	5,706	−14.6	47	31	5,647	−18.7	37	31	5,682	−15.7	48	31	5,821	−10.7	----
450	30	6,562	−17.8	42	----	----	----	----	31	6,683	−13.4	----	30	6,503	−20.0	45	31	6,427	−24.5	----	31	6,474	−21.5	----	31	6,629	−16.3	----
400	30	7,427	−24.0	----	----	----	----	----	31	7,562	−19.7	----	30	7,359	−26.2	----	31	7,271	−30.7	----	31	7,325	−28.0	----	31	7,499	−22.9	----
350	29	8,387	−31.4	----	----	----	----	----	31	8,539	−26.8	----	30	8,311	−33.4	----	31	8,205	−37.9	----	30	8,270	−35.0	----	31	8,463	−30.2	----
300	29	9,459	−39.4	----	----	----	----	----	31	9,632	−35.1	----	29	9,378	−41.3	----	31	9,249	−45.6	----	30	9,326	−43.2	----	31	9,541	−38.9	----
250	27	10,683	−48.6	----	----	----	----	----	31	10,878	−44.5	----	27	10,586	−50.8	----	31	10,444	−51.9	----	28	10,539	−50.8	----	31	10,763	−48.8	----
200	25	12,132	−58.3	----	----	----	----	----	30	12,340	−54.3	----	24	12,018	−58.9	----	31	11,882	−53.1	----	25	11,962	−57.6	----	31	12,194	−59.3	----
175	23	12,970	−63.1	----	----	----	----	----	29	13,184	−59.1	----	21	12,861	−61.0	----	31	12,743	−52.7	----	22	12,805	−58.3	----	31	13,021	−63.2	----
150	15	13,915	−63.5	----	----	----	----	----	29	14,138	−64.1	----	16	13,820	−61.0	----	29	13,740	−52.6	----	16	13,756	−58.1	----	29	13,960	−65.2	----
125	5	15,045	−61.5	----	----	----	----	----	27	15,242	−67.7	----	14	14,942	−59.9	----	28	14,918	−54.0	----	8	14,912	−58.7	----	26	15,068	−66.9	----
100	----	----	----	----	----	----	----	----	23	16,574	−69.6	----	11	16,322	−60.1	----	25	16,338	−55.1	----	----	----	----	----	21	16,406	−68.9	----
80	----	----	----	----	----	----	----	----	17	17,907	−67.5	----	6	17,695	−59.8	----	17	17,747	−55.4	----	----	----	----	----	18	17,740	−68.4	----
60	----	----	----	----	----	----	----	----	15	19,653	−63.5	----	5	19,494	−59.0	----	5	19,589	−55.4	----	----	----	----	----	10	19,478	−63.9	----
50	----	----	----	----	----	----	----	----	15	20,778	−60.5	----	----	----	----	----	----	----	----	----	----	----	----	----	5	20,616	−62.2	----
40	----	----	----	----	----	----	----	----	11	22,184	−57.1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Lander, Wyo. (826.6 mb.)				Las Vegas, Nev. (940.8 mb.)				Little Rock, Ark. (1,003.8 mb.)				Mazatlan, Mex. (1,006.6 mb.)				Medford, Oreg. (967.5 mb.)				Merida, Mex. (1,008.3 mb.)				Miami, Fla. (1,014.6 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	31	1,696	12.8	41	31	574	25.7	14	31	79	19.9	77	31	14	27.3	69	31	401	13.5	64	31	27	27.1	72	31	4	24.1	82
1,000	31	58	(*)	----	31	30	(*)	----	31	112	20.1	74	31	72	26.6	67	31	121	(*)	----	31	100	26.4	72	31	132	24.0	79
950	31	508	(*)	----	31	489	(*)	----	31	557	19.3	67	31	529	24.4	47	31	559	12.7	59	31	554	24.5	66	31	587	21.2	76
900	31	974	(*)	----	31	963	24.1	----	31	1,018	16.2	70	31	997	24.1	37	31	1,005	9.2	63	31	1,026	21.7	67	31	1,047	18.7	66
850	31	1,458	(*)	----	31	1,458	19.8	----	31	1,502	13.3	69	31	1,495	21.6	36	30	1,475	5.6	70	31	1,520	18.2	69	31	1,536	15.6	67
800	31	1,971	12.5	37	31	1,975	15.0	19	31	2,011	11.2	59	31	2,018	18.4	34	30	1,968	2.0	77	31	2,038	15.1	67	31	2,048	12.8	58
750	31	2,510	8.1	40	31	2,519	10.1	23	31	2,553	8.9	50	31	2,571	14.6	35	30	2,493	−1.5	79	31	2,583	11.7	61	31	2,594	9.8	53
700	31	3,072	3.4	46	31	3,084	5.2	26	31	3,115	5.7	46	31	3,147	10.5	36	30	3,033	−4.7	76	31	3,156	8.5	53	31	3,158	6.6	52
650	31	3,670	−1.5	50	31	3,686	.4	29	31	3,719	2.0	42	31	3,760	6.0	39	30	3,619	−7.9	66	31	3,766	5.0	48	31	3,765	3.3	47
600	31	4,300	−6.5	55	31	4,321	−4.0	30	31	4,359	−1.9	45	31	4,410	1.5	40	29	4,228	−11.8	61	30	4,415	1.5	44	31	4,408	−.5	43
550	31	4,973	−11.8	56	31	5,003	−8.8	30	30	5,046	−6.2	41	31	5,102	−3.2	37	29	4,887	−16.2	56	30	5,109	−2.6	44	31	5,099	−4.5	42
500	31	5,695	−17.4	55	31	5,733	−13.9	30	30	5,786	−11.2	42	31	5,853	−8.3	34	29	5,600	−21.1	----	30	5,860	−7.0	38	31	5,844	−9.2	44
450	31	6,483	−23.2	----	31	6,531	−19.8	----	30	6,594	−16.7	----	31	6,670	−13.4	----	29	6,374	−26.2	----	29	6,679	−12.5	38	31	6,659	−14.7	44
400	31	7,327	−29.4	----	31	7,387	−26.2	----	30	7,462	−23.0	----	31	7,551	−19.6	----	29	7,212	−32.0	----	29	7,563	−18.5	----	30	7,535	−20.7	----
350	31	8,267	−36.3	----	31	8,338	−33.6	----	30	8,426	−30.3	----	30	8,529	−27.2	----	29	8,142	−38.6	----	28	8,544	−25.8	----	30	8,509	−27.6	----
300	31	9,319	−43.9	----	31	9,402	−41.6	----	30	9,503	−38.5	----	29	9,618	−35.6	----	29	9,184	−45.9	----	28	9,640	−34.6	----	30	9,598	−35.8	----
250	31	10,520	−51.6	----	31	10,614	−50.3	----	30	10,730	−48.0	----	29	10,861	−45.0	----	27	10,384	−50.8	----	28	10,887	−44.6	----	30	10,839	−45.6	----
200	21	11,952	−57.5	----	29	12,051	−56.9	----	29	12,166	−58.3	----	19	12,318	−55.6	----	27	11,824	−54.5	----	26	12,341	−55.5	----	30	12,291	−56.1	----
175	15	12,779	−55.2	----	22	12,887	−57.0	----	29	12,998	−62.0	----	13	13,154	−61.8	----	27	12,679	−54.2	----	22	13,174	−61.4	----	28	13,128	−60.9	----
150	7	13,756	−55.3	----	15	13,848	−56.1	----	26	13,939	−62.7	----	----	----	----	----	24	13,662	−54.1	----	16	14,109	−67.0	----	24	14,079	−64.7	----
125	----	----	----	----	8	14,997	−57.9	----	24	15,056	−62.8	----	----	----	----	----	23	14,824	−55.5	----	----	----	----	----	20	15,184	−67.6	----
100	----	----	----	----	----	----	----	----	15	16,435	−63.1	----	----	----	----	----	20	16,234	−57.0	----	----	----	----	----	11	16,514	−70.5	----
80	----	----	----	----	----	----	----	----	11	17,778	−63.1	----	----	----	----	----	13	17,606	−58.2	----	----	----	----	----	5	17,835	−69.0	----
60	----	----	----	----	----	----	----	----	6	19,528	−62.2	----	----	----	----	----	5	19,394	−57.1	----	----	----	----	----	----	----	----	----

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 May 1948*—Continued

Standard pressure surface (mb.)	Nantucket, Mass. (1,011.4 mb.)				Nashville, Tenn. (992.7 mb.)				New Orleans, La. (1,013.1 mb.)				North Platte, Nebr. (915.5 mb.)				Oakland, Calif. (1,015.5 mb.)				Ogden, Utah (860.6 mb.)				Oklahoma City, Okla. (966.7 mb.)			
	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity	Number of observations	Dynamic height	Temperature	Relative humidity
Surface	30	14	9.1	93	31	180	19.2	67	31	2	22.8	80	31	849	15.9	58	31	6	13.7	73	31	1,355	15.7	41	31	391	19.5	76
1,000	30	107	10.4	89	31	117	(*)	----	31	116	23.5	74	31	87	(*)	----	31	135	12.4	75	31	56	(*)	----	31	96	(*)	----
950	30	540	10.9	79	31	559	18.1	62	31	565	21.2	69	31	534	(*)	----	31	570	10.4	72	31	509	(*)	----	31	540	20.2	69
900	30	987	9.1	76	31	1,019	15.0	62	31	1,030	18.3	65	31	994	16.1	55	31	1,014	9.6	60	31	974	(*)	----	31	1,006	17.5	68
850	30	1,459	7.2	74	31	1,501	12.1	61	31	1,518	15.1	63	31	1,478	13.5	55	31	1,487	7.7	51	31	1,460	15.7	36	31	1,493	15.0	62
800	30	1,955	4.6	72	31	2,007	9.8	50	31	2,030	12.7	44	31	1,986	10.3	58	31	1,984	5.2	48	31	1,971	12.3	34	31	2,005	12.7	53
750	30	2,482	1.8	65	31	2,545	7.0	49	31	2,577	10.5	32	31	2,526	7.0	55	31	2,517	2.5	43	31	2,511	7.9	37	31	2,550	9.9	48
700	30	3,033	−.9	62	31	3,105	4.3	45	31	3,141	7.3	30	31	3,084	3.0	55	31	3,063	−.4	42	31	3,072	3.1	42	31	3,114	6.3	46
650	29	3,626	−4.1	55	30	3,706	.4	47	31	3,749	3.5	28	31	3,684	−1.3	55	31	3,658	−3.6	41	31	3,668	−1.9	49	31	3,721	2.2	46
600	29	4,253	−7.5	46	30	4,342	−3.6	45	31	4,391	−.7	31	31	4,313	−5.7	55	31	4,281	−6.9	42	31	4,298	−6.9	59	31	4,362	−2.2	45
550	29	4,922	−11.4	44	30	5,024	−7.9	45	31	5,081	−5.1	----	30	4,996	−10.2	49	31	4,960	−11.2	43	31	4,971	−12.1	64	31	5,045	−6.7	41
500	28	5,650	−16.2	43	29	5,760	−12.7	40	31	5,822	−10.1	----	30	5,720	−15.4	51	31	5,681	−16.0	48	31	5,692	−17.5	64	31	5,782	−11.6	----
450	28	6,446	−21.2	----	29	6,562	−18.1	----	31	6,637	−15.7	----	30	6,516	−21.0	----	31	6,477	−21.3	----	31	6,480	−23.3	----	30	6,587	−17.3	----
400	28	7,295	−27.0	----	29	7,426	−24.5	----	31	7,505	−22.1	----	30	7,366	−27.3	----	31	7,326	−27.5	----	31	7,325	−29.3	----	29	7,455	−23.8	----
350	26	8,237	−33.4	----	29	8,384	−31.7	----	31	8,473	−29.3	----	29	8,308	−34.5	----	30	8,272	−34.2	----	31	8,264	−36.4	----	27	8,416	−31.2	----
300	26	9,302	−40.8	----	28	9,458	−39.7	----	31	9,554	−37.7	----	28	9,369	−42.8	----	30	9,334	−41.3	----	31	9,315	−43.9	----	25	9,489	−39.4	----
250	23	10,548	−49.0	----	28	10,679	−49.0	----	31	10,786	−47.2	----	28	10,575	−51.1	----	30	10,551	−48.7	----	30	10,518	−51.4	----	20	10,712	−48.5	----
200	16	12,033	−57.0	----	26	12,114	−58.7	----	31	12,227	−57.7	----	26	11,995	−57.9	----	30	11,995	−55.2	----	30	11,948	−56.9	----	11	12,200	−57.8	----
175	8	12,840	−59.2	----	24	12,946	−61.7	----	30	13,059	−61.8	----	25	12,821	−59.3	----	28	12,844	−57.0	----	26	12,788	−56.3	----	8	13,059	−61.5	----
150	6	13,821	−59.4	----	16	13,893	−60.7	----	30	14,006	−64.1	----	23	13,780	−58.7	----	27	13,816	−56.7	----	19	13,751	−54.4	----	----	----	----	----
125	5	14,966	−58.8	----	11	15,006	−61.2	----	26	15,118	−64.8	----	20	14,909	−58.5	----	25	14,968	−57.6	----	12	14,889	−55.7	----	----	----	----	----
100	----	----	----	----	----	----	----	----	21	16,467	−66.8	----	14	16,304	−60.8	----	19	16,354	−59.7	----	5	16,264	−56.5	----	----	----	----	----
80	----	----	----	----	----	----	----	----	16	17,802	−67.2	----	8	17,690	−62.0	----	16	17,734	−60.1	----	----	----	----	----	----	----	----	----
60	----	----	----	----	----	----	----	----	----	----	----	----	6	19,458	−60.2	----	10	19,522	−59.3	----	----	----	----	----	----	----	----	----
50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	7	20,675	−58.1	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	Omaha, Nebr. (977.5 mb.)				Phoenix, Ariz. (968.0 mb.)				Pittsburgh, Pa. (968.3 mb.)				Portland, Maine (1,011.1 mb.)				Rapid City, S. Dak. (902.3 mb.)				St. Cloud, Minn. (977.9 mb.)				San Antonio, Tex. (982.8 mb.)			
Surface	31	308	18.2	60	31	339	26.7	19	31	382	13.8	70	31	20	8.0	86	31	980	11.7	70	31	317	12.6	61	31	240	25.7	65
1,000	31	111	(*)	----	31	50	(*)	----	31	108	(*)	----	31	111	9.0	83	31	106	(*)	----	31	128	(*)	----	31	83	(*)	----
950	31	551	17.1	53	31	510	28.6	15	31	548	13.5	69	31	539	8.0	77	31	546	(*)	----	31	568	13.8	50	31	541	23.8	67
900	31	1,010	14.1	56	31	981	24.9	15	31	997	11.1	66	31	981	6.1	78	31	1,003	(*)	----	31	1,015	10.8	51	31	1,010	20.9	70
850	31	1,490	11.2	58	31	1,478	20.7	16	31	1,472	8.3	64	31	1,448	3.7	80	31	1,481	11.5	54	31	1,488	7.5	54	31	1,503	17.9	70
800	31	1,994	8.2	58	31	1,996	16.3	20	31	1,970	5.0	65	31	1,939	1.7	78	31	1,985	8.6	58	31	1,984	4.3	58	31	2,020	15.5	58
750	31	2,528	5.1	52	31	2,545	11.7	22	31	2,502	2.0	62	31	2,462	−.5	74	31	2,520	5.3	60	31	2,515	1.8	53	31	2,573	12.8	43
700	31	3,085	2.1	46	31	3,112	7.2	22	31	3,049	−.7	55	31	3,007	−3.0	71	31	3,076	1.7	62	31	3,062	−1.1	47	31	3,141	9.4	37
650	31	3,680	−1.5	40	31	3,718	2.8	21	31	3,643	−3.8	52	31	3,595	−5.8	66	31	3,673	−2.0	59	31	3,652	−4.4	46	31	3,756	5.1	34
600	31	4,312	−5.7	39	31	4,359	−1.7	----	31	4,266	−7.3	48	30	4,213	−9.5	66	31	4,302	−6.5	58	31	4,276	−8.1	46	31	4,399	.5	32
550	31	4,991	−10.1	42	31	5,046	−6.6	----	31	4,947	−11.2	42	30	4,882	−13.6	62	31	4,978	−11.2	56	31	4,948	−12.1	42	31	5,091	−4.7	37
500	31	5,718	−15.2	43	31	5,783	−11.9	----	31	5,665	−15.9	----	30	5,599	−18.2	58	31	5,701	−16.3	55	31	5,670	−16.9	42	31	5,833	−9.6	32
450	31	6,513	−20.8	----	31	6,587	−17.9	----	30	6,463	−21.2	----	30	6,380	−23.7	----	30	6,489	−22.1	----	31	6,458	−22.7	----	31	6,618	−15.3	----
400	31	7,367	−27.1	----	31	7,451	−24.3	----	30	7,312	−27.7	----	29	7,221	−30.0	----	29	7,332	−28.4	----	31	7,307	−28.9	----	31	7,517	−22.0	----
350	31	8,315	−34.6	----	29	8,406	−32.0	----	30	8,257	−34.9	----	29	8,159	−36.5	----	29	8,274	−35.7	----	31	8,247	−36.0	----	30	8,486	−28.9	----
300	31	9,373	−42.7	----	27	9,478	−40.6	----	30	9,315	−42.8	----	28	9,202	−44.2	----	29	9,326	−43.9	----	31	9,299	−44.1	----	30	9,570	−36.8	----
250	31	10,580	−51.1	----	26	10,693	−50.0	----	30	10,523	−51.0	----	26	10,409	−51.5	----	29	10,527	−51.7	----	27	10,522	−51.3	----	30	10,807	−46.1	----
200	30	12,009	−58.6	----	23	12,129	−58.2	----	24	11,963	−58.5	----	24	11,830	−56.4	----	29	11,956	−56.6	----	21	11,944	−54.8	----	29	12,260	−55.7	----
175	30	12,845	−59.5	----	20	12,962	−60.3	----	19	12,762	−58.2	----	24	12,677	−55.8	----	28	12,797	−55.7	----	16	12,783	−54.2	----	28	13,101	−60.0	----
150	29	13,817	−58.8	----	17	13,914	−60.6	----	12	13,710	−58.9	----	24	13,656	−56.4	----	28	13,780	−55.1	----	9	13,792	−53.7	----	25	14,058	−62.6	----
125	29	14,959	−59.7	----	12	15,022	−62.3	----	----	----	----	----	20	14,812	−57.1	----	25	14,934	−56.2	----	----	----	----	----	22	15,177	−64.4	----
100	23	16,341	−60.9	----	8	16,370	−64.2	----	----	----	----	----	15	16,235	−57.6	----	20	16,325	−57.4	----	----	----	----	----	11	16,521	−67.4	----
80	18	17,735	−60.7	----	5	17,728	−63.8	----	----	----	----	----	12	17,675	−58.1	----	7	17,770	−58.2	----	----	----	----	----	----	----	----	----
60	12	19,550	−59.5	----	5	19,498	−62.3	----	----	----	----	----	6	19,518	−58.4	----	----	----	----	----	----	----	----	----	----	----	----	----
50	7	20,689	−58.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Standard pressure surface (mb.)	San Juan, P. R. (1,013.4 mb.)				Santa Maria, Calif. (1,006.5 mb.)				Sault Ste. Marie, Mich. (988.0 mb.)				Spokane, Wash. (929.2 mb.)				Swan Island, W. I. (1,011.1 mb.)				Tacubaya, Mexico (773.2 mb.)				Tampa, Fla. (1,013.9 mb.)			
Surface	31	15	25.8	84	31	71	13.5	73	31	221	6.6	73	31	721	12.6	68	31	9	26.3	83	31	2,306	17.8	58	31	9	23.6	77
1,000	31	133	24.8	84	31	126	12.8	73	31	121	(*)	----	31	99	(*)	----	31	107	25.8	83	31	38	(*)	----	31	130	23.4	76
950	31	587	21.6	84	31	562	12.2	66	31	549	8.9	54	31	536	(*)	----	31	565	22.2	85	31	504	(*)	----	31	582	21.2	63
900	31	1,050	18.5	84	31	1,010	12.5	52	31	992	6.7	54	31	988	10.5	67	31	1,028	19.7	77	31	982	(*)	----	31	1,044	18.6	57
850	31	1,539	15.8	81	31	1,487	10.1	52	31	1,459	3.7	58	31	1,461	7.0	68	31	1,519	17.1	70	31	1,482	(*)	----	31	1,532	15.3	58
800	31	2,053	13.4	73	31	1,989	7.4	47	31	1,948	1.0	60	31	1,957	3.5	72	31	2,035	14.4	65	31	2,013	(*)	----	31	2,043	12.2	55
750	31	2,599	10.8	65	31	2,525	5.4	33	31	2,470	−1.1	54	30	2,482	.1	73	31	2,585	11.6	53	31	2,567	16.1	57	31	2,584	8.9	51
700	31	3,169	8.3	51	31	3,079	2.5	29	31	3,014	−4.0	51	30	3,029	−3.3	74	31	3,153	8.3	50	31	3,149	11.7	61	31	3,149	5.7	46
650	31	3,782	4.8	45	30	3,675	−1.0	----	31	3,599	−7.1	54	30	3,616	−6.8	70	31	3,768	5.4	40	31	3,767	6.8	69	31	3,752	2.3	37
600	31	4,426	.9	42	30	4,309	−4.8	----	31	4,216	−10.0	52	30	4,232	−10.7	69	31	4,412	1.8	39	31	4,418	1.9	76	31	4,393	−1.6	32
550	31	5,124	−2.8	43	29	4,992	−8.6	----	31	4,885	−14.2	51	30	4,897	−15.2	67	31	5,109	−2.2	34	29	5,117	−3.0	82	31	5,080	−5.6	----
500	30	5,869	−7.4	46	29	5,723	−13.2	----	31	5,599	−19.1	45	30	5,609	−20.2	68	31	5,859	−6.5	37	29	5,864	−7.7	76	30	5,821	−10.5	----
450	30	6,693	−12.5	51	28	6,526	−18.8	----	31	6,383	−24.6	----	30	6,387	−25.8	----	31	6,687	−11.2	34	29	6,686	−12.5	65	30	6,629	−16.0	----
400	30	7,572	−18.5	54	28	7,388	−25.3	----	30	7,222	−30.9	----	30	7,225	−31.8	----	31	7,572	−17.0	----	29	7,569	−17.9	58	30	7,501	−22.2	----
350	30	8,554	−25.4	----	27	8,341	−32.5	----	30	8,155	−38.0	----	30	8,155	−38.9	----	31	8,559	−24.1	----	27	8,550	−25.3	----	28	8,467	−29.3	----
300	29	9,654	−33.8	----	26	9,409	−40.5	----	30	9,201	−45.4	----	30	9,195	−46.2	----	31	9,664	−32.4	----	27	9,649	−34.2	----	28	9,548	−37.7	----
250	28	10,909	−43.3	----	26	10,626	−49.5	----	26	10,401	−52.0	----	29	10,382	−52.0	----	31	10,923	−42.3	----	20	10,903	−44.3	----	28	10,779	−47.4	----
200	28	12,372	−55.0	----	22	12,053	−57.2	----	26	11,837	−53.4	----	28	11,821	−51.9	----	30	12,391	−54.3	----	5	12,363	−56.4	----	27	12,220	−57.6	----
175	27	13,211	−61.4	----	19	12,897	−59.6	----	23	12,703	−52.5	----	28	12,686	−51.6	----	29	13,232	−61.2	----	----	----	----	----	27	13,053	−62.1	----
150	27	14,152	−67.8	----	17	13,854	−59.3	----	18	13,691	−53.0	----	27	13,682	−51.7	----	25	14,172	−68.5	----	----	----	----	----	27	13,999	−64.8	----
125	21	15,223	−73.1	----	14	14,981	−60.5	----	15	14,848	−53.7	----	25	14,860	−52.9	----	10	15,250	−74.7	----	----	----	----	----	26	15,109	−67.4	----
100	14	16,523	−76.0	----	10	16,365	−61.4	----	11	16,243	−55.2	----	20	16,281	−54.4	----	----	----	----	----	----	----	----	----	23	16,448	−69.7	----
80	9	17,801	−75.0	----	7	17,732	−62.3	----	5	17,668	−54.9	----	14	17,662	−56.1	----	----	----	----	----	----	----	----	----	18	17,777	−70.0	----
60	----	----	----	----	5	19,538	−60.6	----	----	----	----	----	9	19,469	−55.7	----	----	----	----	----	----	----	----	----	6	19,544	−64.8	----
50	----	----	----	----	----	----	----	----	----	----	----	----	6	20,622	−55.5	----	----	----	----	----	----	----	----	----	----	----	----	----

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 May 1948*—Continued

Standard pressure surface (mb.)	Tatoosh Island, Wash. (1,011.3 mb.)				Toledo, Ohio (990.9 mb.)				Washington, D. C. (1,011.0 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
Surface	31	31	10.2	85	31	191	12.7	72	31	25	16.8	74
1,000	31	124	9.8	82	31	113	(*)	----	31	118	17.0	70
950	31	552	7.9	76	31	550	12.2	66	31	557	15.1	64
900	31	994	5.8	74	31	997	9.7	65	31	1,011	12.9	64
850	31	1,460	3.1	74	31	1,469	6.7	70	31	1,490	10.1	64
800	31	1,949	.8	66	31	1,965	3.9	67	31	1,992	7.1	66
750	31	2,469	−2.3	65	31	2,496	1.7	60	31	2,524	4.3	62
700	31	3,010	−5.3	60	31	3,041	−.9	56	31	3,079	1.1	63
650	31	3,594	−8.8	57	31	3,637	−4.0	55	31	3,674	−2.4	56
600	31	4,205	−12.4	55	31	4,257	−7.4	50	31	4,303	−6.0	50
550	30	4,869	−16.4	56	31	4,935	−11.3	42	29	4,980	−10.1	43
500	30	5,577	−20.9	----	31	5,655	−16.1	----	28	5,708	−15.0	39
450	30	6,354	−26.2	----	31	6,449	−21.8	----	28	6,500	−20.7	----
400	30	7,191	−31.8	----	31	7,297	−28.4	----	28	7,357	−27.2	----
350	29	8,118	−38.7	----	29	8,237	−35.8	----	28	8,305	−34.4	----
300	29	9,161	−45.4	----	27	9,289	−43.4	----	28	9,365	−41.9	----
250	29	10,362	−50.3	----	27	10,492	−51.9	----	27	10,588	−50.7	----
200	28	11,805	−51.4	----	25	11,917	−57.6	----	25	12,007	−58.3	----
175	27	12,672	−50.2	----	24	12,759	−57.7	----	24	12,836	−60.3	----
150	27	13,676	−50.6	----	23	13,733	−58.0	----	21	13,797	−60.2	----
125	26	14,865	−51.8	----	20	14,870	−58.6	----	18	14,923	−59.2	----
100	20	16,326	−53.2	----	16	16,269	−59.5	----	16	16,305	−59.2	----
80	14	17,761	−54.2	----	12	17,664	−59.4	----	9	17,693	−58.0	----
60	5	19,700	−55.0	----	7	19,473	−59.8	----	5	19,513	−56.6	----

[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, Mazatlan, and Merida, where they are taken near 0200, G. C. T. "Number of observations" refers to those of dynamic height only. (In a few cases temperature or humidity data may be missing for one or more standard pressure surfaces of some observations.) Relative humidity data are not published for standard pressure surfaces having a corresponding mean temperature below −20° C.

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

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

TABLE 2.—*Free-air resultant winds based on pilot balloon observations made near 2200 G. C. T. during May 1948. Directions given in degrees from north* (N=360°, *E*=90°, *S*=180°, *W*=270°). *Speeds in meters per second*

Altitude (meters) m. s. l.	Abilene, Tex. (534 m.)			Albuquerque, N. Mex. (1,627 m.)			Atlanta, Ga. (299 m.)			Billings, Mont. (1,095 m.)			Bismarck, N. Dak. (512 m.)			Boise, Idaho (868 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	30	162	1.8	31	199	3.4	31	284	2.0	31	6	1.9	31	139	1.6	31	306	1.7
500	----	----	----	----	----	----	31	297	2.9	----	----	----	----	----	----	----	----	----
1,000	30	158	2.2	----	----	----	31	281	3.7	----	----	----	31	153	1.5	31	804	1.8
1,500	27	177	3.0	----	----	----	31	273	4.9	31	31	1.2	31	168	1.3	31	270	.5
2,000	26	193	3.6	31	211	4.0	30	281	5.4	31	30	1.6	29	214	1.5	30	188	1.4
2,500	26	204	3.6	31	208	5.3	27	285	6.3	28	135	.8	25	253	3.5	30	189	2.5
3,000	25	225	4.3	31	216	5.4	26	282	6.6	25	215	2.8	22	271	3.2	29	195	4.7
4,000	24	257	7.7	28	231	8.2	23	298	9.6	23	216	4.1	20	289	3.7	25	211	7.2
5,000	23	263	9.0	26	249	9.0	21	293	10.6	19	224	6.4	15	303	7.1	20	223	10.3
6,000	22	262	9.1	24	250	11.2	20	294	11.5	14	202	7.8	14	302	9.0	15	232	11.5
8,000	20	273	12.0	20	259	14.8	14	289	10.0	12	224	10.3	10	269	7.1	----	----	----
10,000	10	279	8.0	18	262	18.5	----	----	----	----	----	----	----	----	----	----	----	----
12,000	----	----	----	15	267	18.7	----	----	----	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Brownsville, Tex. (7 m.)			Buffalo, N. Y. (220 m.)			Burlington, Vt. (100 m.)			Charleston, S. C. (16 m.)			Cincinnati, Ohio (273 m.)			Denver, Colo. (1,618 m.)			El Paso, Tex. (1,198 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	31	120	5.4	28	327	2.7	28	283	0.6	31	168	2.4	29	284	1.8	31	106	0.5	31	217	3.4
500	31	127	5.8	28	314	3.2	28	231	.9	31	195	3.6	29	281	2.5	----	----	----	----	----	----
1,000	26	142	4.5	24	287	3.2	27	267	2.1	30	234	4.0	28	282	2.8	----	----	----	----	----	----
1,500	24	139	1.9	17	268	3.4	24	264	3.6	28	266	6.2	27	275	3.8	----	----	----	31	218	4.1
2,000	24	136	2.3	14	262	4.0	19	277	4.6	28	272	7.2	22	292	3.8	31	129	1.8	31	218	4.2
2,500	20	154	1.4	12	273	5.1	16	290	5.8	28	273	8.1	19	303	5.8	29	169	2.5	31	217	4.1
3,000	20	150	.4	----	----	----	12	281	5.7	23	276	9.8	17	304	6.2	28	203	3.2	31	218	4.9
4,000	16	315	.4	----	----	----	11	281	7.1	21	268	12.1	12	306	9.1	24	239	6.6	30	231	7.1
5,000	14	296	3.6	----	----	----	----	----	----	19	275	13.4	----	----	----	22	257	9.1	29	244	9.6
6,000	14	300	5.2	----	----	----	----	----	----	15	281	12.6	----	----	----	17	270	12.6	29	248	10.5
8,000	----	----	----	----	----	----	----	----	----	11	288	12.3	----	----	----	12	274	14.6	23	265	10.5
10,000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	19	270	15.1
12,000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	16	272	18.8

Altitude (meters) m. s. l.	Ely, Nev. (1,910 m.)			Grand Junction, Colo. (1,475 m.)			Greensboro, N. C. (271 m.)			Havre, Mont. (767 m.)			Jacksonville, Fla. (16 m.)			Joliet, Ill. (178 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	31	187	5.0	31	248	3.7	31	280	1.2	28	112	1.8	30	108	1.6	28	4	2.3
500	----	----	----	----	----	----	31	264	2.0	----	----	----	30	242	.8	28	348	2.4
1,000	----	----	----	----	----	----	31	251	3.0	28	110	2.3	28	256	4.1	24	324	3.3
1,500	----	----	----	31	248	3.7	30	251	4.1	28	126	1.7	28	257	6.0	21	308	5.7
2,000	31	191	5.3	31	240	4.3	27	268	6.1	28	257	2.8	28	262	6.8	20	301	6.4
2,500	31	201	5.7	31	234	4.7	25	283	8.1	27	182	2.8	26	258	8.0	17	306	6.8
3,000	31	199	5.1	31	232	5.7	22	296	10.2	21	205	3.5	25	269	8.7	15	309	7.8
4,000	26	211	6.6	30	236	6.5	20	290	11.5	18	199	5.2	21	283	8.0	12	314	10.5
5,000	23	227	9.4	29	244	8.0	17	292	13.6	11	201	7.2	18	293	7.7	----	----	----
6,000	20	234	13.2	28	248	11.2	13	281	13.9	----	----	----	15	293	8.0	----	----	----
8,000	14	236	17.6	15	265	15.7	----	----	----	----	----	----	12	272	8.2	----	----	----
10,000	----	----	----	11	270	16.1	----	----	----	----	----	----	----	----	----	----	----	----

Altitude (meters) m. s. l.	Las Vegas, Nev. (575 m.)			Little Rock, Ark. (88 m.)			Medford, Oreg. (416 m.)			Miami, Fla. (12 m.)			Mobile, Ala. (66 m.)			Nashville, Tenn. (194 m.)			New York N. Y. (15 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	31	206	3.3	31	53	0.9	30	302	1.5	30	128	4.3	30	294	0.4	31	305	1.8	26	222	1.6
500	----	----	----	31	25	.7	30	298	1.7	30	127	5.2	30	252	1.6	31	288	2.5	26	240	2.8
1,000	31	201	4.6	28	287	.4	30	292	1.8	30	119	2.6	28	270	2.3	31	279	3.6	24	274	5.1
1,500	31	199	4.5	26	298	2.0	29	245	3.1	30	96	.6	27	288	2.8	28	281	3.2	24	276	6.0
2,000	31	202	4.3	23	297	3.7	25	211	3.7	29	315	1.0	27	290	3.4	26	301	3.4	23	277	7.7
2,500	31	212	4.5	21	292	4.6	20	217	4.5	26	293	1.0	24	296	3.5	24	309	5.0	21	285	8.8
3,000	31	224	5.2	18	293	4.8	16	224	4.9	24	293	.1	21	304	3.9	23	304	5.9	13	283	7.8
4,000	31	228	8.0	16	305	7.8	11	238	8.1	22	278	2.1	19	313	4.8	21	300	7.0	----	----	----
5,000	30	229	10.5	15	297	9.8	10	252	9.1	20	257	3.1	16	309	4.8	18	298	10.5	----	----	----
6,000	28	239	10.7	11	304	12.5	----	----	----	18	262	5.1	13	303	6.1	14	333	8.1	----	----	----
8,000	20	258	14.1	----	----	----	----	----	----	11	264	7.9	----	----	----	----	----	----	----	----	----
10,000	15	270	16.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE 2.—*Free-air resultant winds based on pilot balloon observations made near 2200 G. C. T. during May 1948. Directions given in degrees from north* (N=360°, E=90°, S=180°, W=270°). *Speeds in meters per second*—Continued

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. Cloud, Minn. (318 m.)			San Antonio, Tex. (240 m.)			San Diego, Calif. (13 m.)			Sault Ste. Marie, Mich. (225 m.)			Seattle, Wash. (116 m.)			Spokane, Wash. (725 m.)			Washington, D. C. (24 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	31	261	6.0	29	154	1.6	30	83	1.3	31	267	2.0	27	134	1.9	30	334	1.5	31	334	1.0	31	126	2.8	31	260	4.2	29	304	6.1	30	218	1.6	27	222	1.5	29	226	0.9
500	31	272	5.1	29	149	2.2	30	97	1.6	31	255	2.5	---	---	---	30	338	1.6	31	345	1.5	31	133	2.6	31	274	3.7	29	307	7.2	30	234	2.3	---	---	---	29	267	2.9
1,000	30	280	3.6	28	164	3.0	30	163	1.3	31	231	3.0	27	134	1.8	27	295	1.4	31	337	1.9	30	142	2.8	27	288	2.9	29	313	6.8	28	216	3.2	27	220	2.3	27	263	4.5
1,500	26	280	3.5	26	182	3.8	29	211	2.1	31	210	3.6	27	146	1.4	25	304	1.9	30	324	1.9	28	148	1.9	23	298	3.1	27	322	4.3	26	232	2.2	24	208	2.0	25	262	6.6
2,000	24	278	3.2	24	224	3.3	26	246	3.3	31	203	5.0	26	190	1.6	22	301	3.4	27	319	3.3	26	153	.9	21	276	3.3	26	322	5.0	19	201	2.8	22	184	2.7	20	283	8.8
2,500	24	278	4.2	22	258	4.8	24	270	4.3	31	205	6.5	24	226	3.5	20	299	4.2	21	312	5.0	24	268	1.4	20	268	3.1	24	322	5.5	16	216	2.7	22	186	3.6	19	285	10.8
3,000	23	274	5.2	21	264	6.9	24	288	5.3	31	210	7.3	20	256	5.4	19	299	5.9	20	312	6.8	22	279	3.4	20	256	4.1	23	321	6.5	13	228	5.4	15	196	4.8	16	291	12.8
4,000	22	276	7.9	19	266	10.5	21	302	7.7	30	220	7.7	14	263	8.3	18	309	7.9	17	307	9.2	20	286	5.2	20	253	6.1	21	307	7.6	---	---	---	11	184	6.0	13	289	13.6
5,000	22	273	11.9	15	283	10.1	18	286	9.8	28	240	7.5	14	276	10.0	13	315	9.8	16	312	10.8	13	276	6.3	16	267	7.7	17	302	10.7	---	---	---	10	198	9.8	---	---	---
6,000	21	274	14.2	11	296	13.5	16	290	10.4	24	255	11.2	11	278	9.4	11	311	12.2	14	305	12.4	---	---	---	14	269	8.9	16	298	15.0	---	---	---	---	---	---	---	---	---
8,000	15	277	18.6	---	---	---	12	305	12.5	16	266	14.3	11	278	13.3	---	---	---	10	305	18.4	---	---	---	10	267	12.1	---	---	---	---	---	---	---	---	---	---	---	---
10,000	---	---	---	---	---	---	10	290	19.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12,000	---	---	---	---	---	---	10	298	16.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3.—*Free-air resultant winds based on rawin observations made near 0300 G. C. T., during May 1948. Directions given in degrees from north* (N=360°, E=90°, S=180°, W=270°). *Speeds in meters per second*

Altitude (meters) m. s. l.	Albuquerque, N. Mex. (1,636 m.)			Big Spring, Tex. (774 m.)			Bismarck, N. Dak. (505 m.)			Brownsville, Tex. (7 m.)			Caribou, Maine (191 m.)			Charleston, S. C. (13 n.)			Columbia, Mo. (237 m.)			Grand Junction, Colo. (1,473 m.)			Greensboro, N. C. (275 m.)			Hatteras, N. C. (3 m.)			International Falls, Minn. (360 m.)			Little Rock, Ark. (80 m.)			Miami, Fla. (12 m.)		
	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed	Observations	Direction	Speed
Surface	31	140	1.9	31	130	3.2	31	102	2.4	31	124	4.1	31	166	0.9	31	265	1.4	31	78	0.7	31	251	0.6	31	260	0.4	30	204	2.9	31	81	0.5	31	85	0.8	31	124	1.5
500	---	---	---	---	---	---	---	---	---	31	136	8.4	29	193	3.6	30	215	5.1	31	120	.9	---	---	---	31	230	2.2	30	226	4.7	31	65	.8	31	114	1.7	31	138	3.9
1,000	---	---	---	31	150	5.3	30	119	3.4	31	141	6.9	29	195	4.3	30	244	5.4	30	171	1.0	---	---	---	31	256	4.2	29	242	4.3	30	11	1.5	31	179	1.9	31	106	2.7
1,500	---	---	---	31	157	5.5	29	144	2.9	31	145	4.9	28	208	3.9	30	262	6.0	30	272	2.7	31	239	.6	31	273	5.6	29	255	4.9	30	356	2.0	31	226	2.8	31	59	1.9
2,000	31	223	2.6	31	184	3.8	29	188	2.0	31	145	3.2	28	210	4.2	30	267	6.6	30	282	4.3	31	235	2.6	31	280	6.4	29	259	5.1	30	336	3.6	31	248	3.1	31	39	1.6
2,500	31	240	4.6	31	227	3.6	28	228	2.1	31	138	2.0	28	213	3.9	30	281	6.8	30	284	6.0	31	227	4.2	31	281	7.4	30	268	7.0	30	336	4.9	31	262	4.8	31	30	1.5
3,000	31	241	6.1	31	252	4.4	28	263	2.9	31	135	.4	27	237	4.4	30	274	6.6	30	288	7.2	31	221	5.4	31	283	8.1	30	269	8.0	30	328	6.5	30	273	6.0	31	34	.5
4,000	31	245	7.7	31	273	6.3	29	290	4.7	31	298	2.2	28	252	7.2	29	278	7.4	30	291	8.2	31	223	6.6	31	279	10.1	26	268	9.4	30	332	7.8	30	278	8.6	31	282	1.7
5,000	30	252	9.4	31	266	8.9	29	287	6.4	31	310	4.8	29	247	8.0	29	281	9.0	29	294	10.2	31	234	8.9	30	287	11.1	23	268	10.2	29	327	10.3	28	287	9.9	31	276	4.0
6,000	29	257	10.8	31	268	10.3	29	287	6.9	31	299	6.0	27	243	9.7	28	283	10.0	30	290	12.9	31	245	10.7	29	282	12.9	23	270	11.3	28	321	10.5	27	274	10.2	31	275	6.9
8,000	28	262	14.7	29	273	12.5	29	283	11.1	31	287	12.6	21	256	10.7	27	268	10.6	29	279	17.8	30	251	14.7	26	282	14.3	16	275	12.6	24	303	14.1	27	271	10.6	30	266	12.4
10,000	21	266	11.3	26	275	13.4	27	280	13.0	29	275	18.1	19	257	14.1	24	263	10.2	26	276	19.5	26	262	14.2	23	273	16.9	---	---	---	19	283	14.9	24	277	11.0	29	264	17.2
12,000	16	265	12.4	24	260	16.3	26	284	14.5	23	269	22.0	17	260	12.4	21	246	11.4	20	284	17.8	18	258	15.1	18	272	18.0	---	---	---	16	280	13.8	21	260	12.4	28	267	23.0
14,000	14	259	15.2	19	273	19.8	23	286	10.7	10	276	22.4	12	263	11.6	15	272	15.0	13	296	22.0	12	266	14.3	---	---	---	---	---	---	16	290	10.7	18	269	13.6	20	274	26.7
16,000	11	270	16.5	---	---	---	20	296	5.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	305	6.3	15	281	11.8	---	---	---
18,000	---	---	---	---	---	---	11	348	5.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Altitude (meters) m. s. l.	Nantucket, Mass. (14 m.)			Nashville, Tenn. (177 m.)			New Orleans, La. (6 m.)			Oakland, Calif. (31 m.)			Oklahoma City, Okla. (392 m.)			Rapid City, S. Dak. (980 m.)			San Antonio, Tex. (242 m.)			San Juan, P. R. (28 m.)			St. Cloud, Minn. (318 m.)			Santa Maria, Calif. (72 m.)			Sault Ste. Marie, Mich. (224 m.)			Spokane, Wash. (601 m.)			Tatoosh Island, Wash. (33 m.)		
Surface	29	173	0.8	31	202	0.7	31	191	1.6	31	232	5.2	30	127	2.8	31	108	2.3	31	123	4.9	31	104	4.4	31	38	1.0	31	273	4.8	31	310	2.8	31	202	1.1	31	201	3.4
500	28	244	3.1	31	55	1.2	31	216	2.6	31	285	5.6	29	127	3.2	---	---	---	31	120	6.2	31	102	7.1	30	28	1.9	31	324	5.5	31	343	5.4	---	---	---	31	204	3.6
1,000	27	262	4.2	31	281	2.1	31	243	1.3	31	287	5.3	28	166	3.2	30	114	2.0	31	133	4.8	31	113	6.6	30	35	1.7	31	338	6.2	31	338	4.8	31	222	1.6	31	197	4.2
1,500	27	262	5.0	31	264	3.5	31	297	1.0	31	284	4.4	28	206	2.4	30	156	5.3	31	169	2.6	31	113	5.2	30	3	2.3	31	350	4.9	31	333	4.6	31	218	1.6	30	185	3.3
2,000	28	250	6.9	31	290	4.5	31	250	1.3	31	283	4.0	28	251	2.9	30	192	2.9	31	225	2.5	31	112	4.2	30	335	2.8	31	341	4.2	31	326	5.3	31	188	2.1	30	187	4.0
2,500	27	256	8.7	31	291	5.8	31	241	1.1	31	285	3.6	28	270	3.7	30	220	3.1	31	249	3.0	31	110	3.4	30	316	4.2	31	315	4.5	30	323	6.5	30	178	2.3	30	189	5.0
3,000	26	254	10.0	30	293	8.0	31	265	1.9	31	285	4.8	28	283	5.0	30	251	3.8	31	264	4.1	31	114	3.2	31	304	6.8	31	296	6.0	30	318	7.8	30	191	3.1	29	194	6.3
4,000	26	253	11.6	29	289	9.3	31	281	5.1	31	282	8.1	30	271	7.0	31	236	6.4	31	280	6.1	31	164	1.9	31	301	8.6	30	284	9.2	29	304	8.2	29	214	5.2	27	198	4.0
5,000	25	253	12.1	29	292	12.1	31	284	6.9	31	276	10.8	30	271	8.5	30	261	8.8	31	282	7.7	31	234	2.2	31	301	10.8	28	279	12.3	28	298	10.2	26	210	8.3	27	199	3.1
6,000	22	256	14.8	27	289	13.2	31	293	8.4	31	283	13.8	30	273	11.0	28	260	8.1	31	279	8.4	30	250	5.8	31	295	12.1	27	279	15.3	28	290	13.4	23	207	6.3	27	210	3.5
8,000	19	257	18.2	23	283	12.0	30	286	10.3	27	282	17.3	26	272	13.8	27	263	11.2	28	277	10.3	30	263	10.4	27	290	14.4	24	265	17.8	23	286	12.6	21	214	7.0	25	203	4.1
10,000	12	259	20.7	18	282	12.4	30	282	15.6	19	284	21.5	22	273	15.1	27	269	15.4	25	276	14.7	30	276	15.4	20	281	15.7	13	277	17.2	19	270	16.3	17	153	9.2	22	262	4.3
12,000	---	---	---	16	279	14.9	29	277	20.3	---	---	---	---	---	---	27	259	14.8	21	276	18.8	29	278	22.1	13	277	14.0	---	---	---	16	280	17.2	---	---	---	18	180	4.1
14,000	---	---	---	---	---	---	24	284	20.4	---	---	---	---	---	---	23	265	9.8	16	272	19.8	28	283	25.7	---	---	---	---	---	---	10	282	13.6	---	---	---	15	204	5.7
16,000	---	---	---	---	---	---	16	289	14.6	---	---	---	---	---	---	16	260	7.4	---	---	---	18	284	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

DELAYED REPORT FOR APRIL, 1948

TABLE 4.—*Free-air resultant winds based on rawin observations made near 0300 G. C. T., during April 1948. Directions given in degrees from north* (N=360°, E=90°, S=180°, W=270°). *Speeds in meters per second*

Altitude (meters) m. s. l.	San Juan, Puerto Rico (28 m.)			Altitude (meters) m. s. l.	San Juan, Puerto Rico (28 m.)			Altitude (meters) m. s. l.	San Juan, Puerto Rico (28 m.)		
	Observations	Direction	Speed		Observations	Direction	Speed		Observations	Direction	Speed
Surface	30	89	4.6	2,500	30	47	3.5	8,000	29	272	12.7
500	30	82	6.6	3,000	30	45	1.7	10,000	29	270	23.2
1,000	30	81	6.5	4,000	30	325	2.4	12,000	29	264	29.1
1,500	30	69	5.3	5,000	29	289	4.2	14,000	24	262	28.0
2,000	30	57	4.5	6,000	30	279	7.0				