

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

INVENTORY OF UNPUBLISHED CLIMATOLOGICAL TABULATIONS

SECTION 3 WEATHER BUREAU WIND SUMMARIES BY COMBINED VELOCITY GROUPS (II39D)

APRIL 1, 1954

These summaries are available for more than 500 stations, principally in Continental U. S. and Alaska but including a few in Canada, the Canal Zone, Cuba, and the Pacific Ocean. For most stations the wind summaries are broken down into 16-point directions, the others to 8 points, depending upon the types of instruments in use at the various stations during the periods of records summarized.

Monthly and annual values are shown in these summaries for most of the stations in the United States, but for the majority of Alaskan stations only the annual summaries were prepared owing principally to the low number of total observations available for these latter stations.

Examples of these monthly and annual wind summaries are shown in Figures I and II, followed by a list of the stations and the periods of record for which they are available.

Requests for copies of the tabulations included herein should be directed to the "Chief U. S. Weather Bureau, Washington 25, D. C." Copies of already prepared tabulations will be furnished at cost for their preparation by photostatic, microfilm, or other methods of reproduction.

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II39 D JUL 17 1954 FIGURE I MONTHLY WIND SUMMARY (II39D)
PERIOD SUMMARY BY COMBINED VELOCITY GROUPS

STATION	MONTH JAN.															PERIOD 1930 thru 1938			
	DIR. MPH.	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOT. OBS.	%
4-15	287	17	417	171	656	79	317	32	329	57	365	40	490	84	1214	164	4719	72	
16-31	16		20	13	13	5	19	5	31	30	60	7	55	31	327	54	686	11	
32-47																3	2	5	*
OVER 47																			
CALM																	1088	17	
TOT. OBS.	303	17	437	184	669	84	336	37	360	87	425	47	545	115	1544	220	6498		
%	5	#	7	3	11	1	5	1	5	1	7	1	8	2	23	3	CALM 17	100	

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FIGURE II ANNUAL WIND SUMMARY (II39D)

II39D

PERIOD SUMMARY BY COMBINED VELOCITY GROUPS

DIR. M.P.H.	ANNUAL SUMMARY															PERIOD 1930 thru 1938		
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOT. OBS.	%
4-15	4121	328	5910	1685	5766	1010	3873	572	5013	847	5185	755	5929	1380	11261	1957	55592	71
16-31	145	18	219	140	175	68	169	54	217	145	527	86	288	250	2690	634	5825	7
32-47	2							2	1	4		2	1	1	6	26	4	49 #
OVER 47												1					1	#
CALM																	17125	22
TOT. OBS.	4268	346	6129	1825	5941	1078	4044	627	5234	992	5715	842	6218	1636	13977	2595	78592	
%	5	#	8	2	8	1	5	1	7	1	7	1	8	2	19	3	CALM 22	100

STATIONS FOR WHICH SUMMARIES 1139D ARE AVAILABLE WITH PERIOD OF RECORD

ALABAMA

Anniston	Feb. 1938 - Dec. 1941
Birmingham	1931-38
Dothan	July 1940 - Dec. 1941
Evergreen	June 1940 - June 1941
Mobile	1930-38
Montgomery	1930-38
*Muscle Shoals	June 1940 - Dec. 1941
Tuscaloosa	Dec. 1933 - Dec. 1938; May 1938 - Dec. 1941

ARIZONA

Ashfork	1934-38
Douglas	1934-38
Kingman	1931-38
Maine	1934-38
Phoenix	1930-38
Tucson	1932-38
Winslow	1931-38

ARKANSAS

Brinkley	Feb. 1939 - Dec. 1941
Little Rock	1930-38
Texarkana	1934-38

CALIFORNIA

Auburn	1934-38
Bakersfield	1929-38
Blue Canyon	1934-38
Buffalo Springs	1939-42
Burbank	1931-38
*Coalinga	1932
Daggett	1932-38
Donner Summit	1934-38
*El Centro	Feb. 1932 - May 1933
Esteros	Feb. 1930 - Dec. 1936
Eureka	July 1930 - Dec. 1936; July 1939 - Dec. 1942
Fort Bragg	Jan. 1937 - Feb. 1942
Fresno	1930-38
Goleta	Oct. 1936 - Aug. 1940
Indio	1937-40
Laguna Beach	1934-38
Livermore	1934-38
Modesta	Jan. 1940 - Sept. 1941
Montague	1934-38
Monterey	1940-42
Mount Shasta	1934-38
Needles	1940-41
Oakland	1930-38
Oceanside	1934-38
Palmdale	1934-38
Point Arena	Feb. 1937 - Feb. 1942
Point Arguello	1935-41
Point Fermin	Sept. 1938 - Mar. 1942
Point Hueneme	Aug. 1938 - Dec. 1941
Point Montara	1938-41
Point Piedras Blancas	1938-42
Point Reyes	1938-42
Protero Hill	1935-38
Redding	1929-38
Sacramento	1930-38
Salinas	Jan. 1939 - May 1942
Sandberg	1932-38
San Diego	1930-38

CALIFORNIA (Cont'd.)

San Francisco	1934-38
San Miguel Island	1940-41
San Nicholas Island	Aug. 1938 - Feb. 1942
San Pablo	July 1929 - Feb. 1939
Santa Ana	Jan. 1939 - Mar. 1940
#Santa Maria	May 1930 - Nov. 1942
Saugus	1934-38
S.E. Farallon Isl.	1938-41; June 1935 - Dec. 1942
Silver Lake	1940 - July 1941
*Visalia	1932
Williams	1934-38

COLORADO

Denver	1930-38
Pueblo	1931-38

CONNECTICUT

Hartford	1934-38
New Haven	1934-38
Putnam	1934-38

DELAWARE

Delaware Breakwater	Jan. 1937 - Jan. 1942
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DISTRICT OF COLUMBIA

Washington (Bolling Fld.)	1930-38
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FLORIDA

Cross City	1940-41
Daytona Beach	1936-38
Jacksonville	1930-38
Lakeland	1939-42
Miami	1932-38
Tampa	1934-37
Titusville	1933-38
Vero Beach	1936-38
West Palm Beach	1936-38

GEORGIA

Adairsville	1934-38
Alma	1939-41
Atlanta	1930-38
Augusta	Apr. 1939 - Dec. 1941
Brunswick	1936-38
Macon	Feb. 1938 - Dec. 1941
Savannah	1930-38
Winder	1934-38

IDAHO

Boise	1929-38
Burley	1931-38
Idaho Falls	1933-38
King Hill	1934-38
Pocatello	1930-38
Strevell	1934-38

ILLINOIS

Chicago	1928-38
Effingham	1934-38
Joliet	1936-38
Moline	1929-38
Morse	1934-38
Peoria	1936-39

<u>ILLINOIS (Cont'd.)</u>		<u>MICHIGAN</u>	
Rockford	1936-38	Detroit	1932-38
Springfield	1930-38	Grand Rapids	1933-38
Waterman	1934-38	Jackson	1934-38
 <u>INDIANA</u>		Sault Ste. Marie	1932-37
Centerville	1934-38	Selfridge Field	Nov. 1938 - Dec. 1941 July 1937 - Dec. 1941
Evansville	1932-33	 <u>MINNESOTA</u>	
Goshen	1934-38	Alexandria	1932-38
Helmer	1929-38	Minneapolis	1935-39
Indianapolis	1929-38	St. Cloud	1934-38
Lafayette	1934-38	St. Paul	1929-38
McCool	1934-38	Willmar	Feb. 1940 - Dec. 1941
Milroy	1934-38	 <u>MISSISSIPPI</u>	
South Bend	1930-38	Biloxi	1938-41
Terre Haute	1934-38	Greenwood	May 1938 - Dec. 1941
 <u>IOWA</u>		Jackson	1932-38
Adair	1934-38	Vicksburg	Oct. 1938 - Dec. 1941
Burlington	1931-38	 <u>MISSOURI</u>	
Des Moines	1933-38	Columbia	1930-38
Iowa City	1934-38	Kansas City	1929-38
Montezuma	1934-38	Kirksville	1932-38
 <u>KANSAS</u>		Knoxville	1934-38
Anthony	1935-38	Marshall	1934-38
Cassoday	1934-38	New Florence	1934-38
Lebo	1934-38	St. Louis	1929-38; Jan. 1935 - Dec. 1941
Wichita	1930-38	Springfield	1931-38
 <u>KENTUCKY</u>		Tarkio	1930-38
Louisville	1930-38	 <u>MONTANA</u>	
Smith's Grove	1936-38	Billings	1934-38
Warsaw	1934-38	Butte	1931-38
 <u>LOUISIANA</u>		*Cut Bank	Mar. 1937 - Feb. 1940
Alexandria	Jan. 1939 - Sept. 1941	Dillon	1939-41
Baton Rouge	June 1932 - Apr. 1942	Great Falls	1937-38; 1938-41
Burrwood	Apr. 1942 - Dec. 1945	Havre	1934-37
Lake Charles	Mar. 1939 - Apr. 1942	Helena	1930-38
Monroe	1935-40	Livingston	Apr. 1936 - Dec. 1941
New Orleans	1934-42	Miles City	1936-38
Shreveport	1930-38	Missoula	1936-38
 <u>MAINE</u>		 <u>NEBRASKA</u>	
Augusta	June 1938 - Dec. 1941	Big Springs	1930-38
Bangor	1936-39	Grand Island	1931-38
Caribou	1937-39;	Lincoln	1934-38
 Eastport	Aug. 1938 - Dec. 1941	North Platte	1931-38
Houlton	June 1939 - Dec. 1941	Omaha	1930-38
Portland	Dec. 1938 - Sept. 1942	Overton	1934-38
Presque Isle	1931-39	Sydney	1930-38
Waterville	May 1938 - Dec. 1942	 <u>NEVADA</u>	
	Apr. 1938 - May 1942	Beowawe	1935-38
 <u>MARYLAND</u>		Buffalo Valley	1939-41
Baltimore		Elko	1930-38
(Logan Fld.)	1933-38	Humboldt	1934-38
Frederick	1934-38	Las Vegas	1934-38
Ocean City	July 1939 - Mar. 1942	Reno	1932-38
 <u>MASSACHUSETTS</u>		Ventosa	1932-38
Boston	1930-38	 <u>NEW HAMPSHIRE</u>	
Hyannis	Apr. 1939 - Feb. 1942	Concord	June 1938 - Dec. 1941
Nantucket	1939-41	Durham	Dec. 1939 - Dec. 1942
Pittsfield	July 1938 - Dec. 1941	Manchester	Apr. 1938 - Jan. 1942
Rockport	1935-40		
Westfield	Aug. 1940 - Dec. 1941		

<u>NEW JERSEY</u>		
Atlantic City	July 1938 - Dec. 1941	
Barnegat City	Aug. 1939 - Feb. 1942	
Camden	1930-38	
Cape May	July 1939 - Aug. 1940	
Newark	1930-38	
Sandy Hook	Nov. 1940 - Mar. 1942	
Trenton	1934-38	
<u>NEW MEXICO</u>		
Acomita	1934-38	
Albuquerque	1931-38	
Anton Chico	1936-38	
Columbus	1934-38	
El Morro	1933-38	
Engle	1939-41	
Otto	1934-38	
Rodeo	1932-38	
Tucumcari	1931-38	
<u>NEW YORK</u>		
Albany	1930-38	
Ambrose	Nov. 1937 - Dec. 1941	
Bear Mountain	1934-38	
Buffalo	1930-38	
Columbiaville	1934-38	
Ditch Plain		
L. B. Stn.	Oct. 1939 - Dec. 1941	
Dunkirk	1934-38	
Elmira	1934-38	
Fire Island	Oct. 1939 - Feb. 1942	
Fisher's Island	1936-41	
Floyd Bennett Fld.	1938-41	
Fort Plain	1936-38	
New Hackensack	1933-38	
Rochester	1934-38	
Syracuse	1930-38	
Tiana, Long Isl.	Dec. 1939 - Feb. 1942	
<u>NORTH CAROLINA</u>		
Caffey's Inlet	July 1939 - Dec. 1941	
Charlotte	1934-38	
Greensboro	1930-38	
Hatteras	1934-41	
Oregon Inlet	July 1939 - Nov. 1941	
Raleigh	1930-38	
Warrenton	1935-38	
Wilmington	July 1939 - Dec. 1941	
<u>NORTH DAKOTA</u>		
Bismarck	1934-38	
Dickinson	1936-38	
Fargo	1931-38	
Jamestown	1936-38	
Pembina	1932-38	
<u>OHIO</u>		
Akron	1934-38	
Archbold	1934-38	
Cambridge	1934-38	
Cherry Fork	Oct. 1938 - Dec. 1941	
Cincinnati	1929-38	
Cleveland	1930-38	
Columbus	1930-38	
Dayton (Vandalia)	1934-38	
Hayesville	1934-38	
Patterson Field	1938-41	
Perry	1934-38	
Toledo	1930-38	
<u>OHIO (Cont'd.)</u>		
Vickery		1934-38
Warren		1934-38
<u>OKLAHOMA</u>		
Ardmore		1932-38
Oklahoma City		1930-38
*Ponca City		1930-38
Tulsa		1930-38
Waynoka		1931-38
<u>OREGON</u>		
Arlington		1935-38
Baker		1931-38
Brookings	Jan. 1937 - Mar. 1942	
Cascade Locks		1934-38
Crown Point		1934-38
Eugene		1931-38
La Grande		1932-34; 1934-38
Medford		1929-38
Newport		1937-42
North Bend		1937-42
Ontario		1934-38
Pendleton		1934-38
Portland		1930-38
Roseburg		1930-38
Salem		1934-38
Sexton Summit		1934-38
Siskiyou Summit		1934-38
Wolf Creek		1934-38
<u>PENNSYLVANIA</u>		
Allentown		1929-38
Bellefonte		1934-38
Brookville		1934-38
Buckstown		1931-38
Curwensville		1934-38
Erie		1931-38
Harrisburg		1929-38
Kylertown		1934-38
McConnelsburg		1930-38
Mercer		1934-38
Park Place		1930-38
Pittsburgh		1931-38
Sunbury		1934-38
Wilkesbarre		1934-38
Woodward		1934-38
<u>RHODE ISLAND</u>		
Block Island		1940-41
Providence		1932-38
<u>SOUTH CAROLINA</u>		
Anderson		1934-38
Beaufort		1936-38
Charleston		1931-38
Columbia	Aug. 1939 - Dec. 1941	
Florence		1934-38
Lane		1936-38
Parris Island		1939-41
Spartanburg		1930-38
<u>SOUTH DAKOTA</u>		
Rapid City		1933-35; 1937
Watertown		1932-34; 1937-38
<u>TENNESSEE</u>		
Bristol		1939-41
Chattanooga		1932-38

TENNESSEE (Cont'd.)

Chesterfield	1935-38
Jack's Creek	1939-41
Knoxville	1934-38
Memphis	1930-38
Monteagle	1934-38
Nashville	1930-38; 1939-41
*Smithville	May 1937 - Dec. 1940

TEXAS

Abilene	1931-38
Amarillo	1930-38
Beaumont	June 1940 - Dec. 1941
Big Spring	1931-38
Brownsville	1930-38
Canadian	1934-40
Clarendon	1939-41
Dallas	1934-38
Del Rio	1930-34; 1934-37
El Paso	1930-38
Fort Worth	1934-38
Gainesville	1934-38
Galveston	Mar. 1939 - Dec. 1941
Guadalupe Pass	1932-38
Houston	1930-38
Saltillo	1935-38
San Antonio	1930-38
Santo	1934-38
Waco	1935-38
Wink	1934-38

UTAH

Coalville	1934-38
*Delta	Jan. 1939 - Aug. 1941
Locomotive Springs	1934-38
Milford	1932-38
Salt Lake City	1930-38
Wendover	1934-38

VERMONT

Burlington	1935-39
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VIRGINIA

Assateague Beach	July 1938 - Mar. 1942
Hog Island	1939-41
Lynchburg	1936-38
Norfolk	May 1940 - Dec. 1941
Princess Anne	July 1939 - Feb. 1942
Richmond	1930-38
Roanoke	1936-38
South Boston	1934-38

WASHINGTON

Bellingham	Oct. 1938 - Dec. 1941
Castle Rock	1934-38
Chehalis	1930-38
Ellensburg	1935-38
Ephrata	1936-38
Everett	Nov. 1938 - Dec. 1941
Moclips	Jan. 1937 - Feb. 1942
North Bend	Oct. 1934 - Nov. 1942
North Dalles	1931-38
North Head	Jan. 1931 - June 1939; July 1930 - Dec. 1942
*Pasco	Jan. 1935 - Mar. 1935
Sand Point	Nov. 1939 - Dec. 1941
Seattle	1930-38
Spokane	1930-38
Stevenson	1940-41

WASHINGTON (Cont'd.)

Tacoma	1934-38
Tatoosh Island	1931-41; Jan. 1937 - Dec. 1942

WEST VIRGINIA

Charleston	1935-39
Elkins	1936-38
Huntington	1939-41

WISCONSIN

Green Bay	1934-37
Hager City	1934-38
La Crosse	1930-38
Lone Rock	1933-38
Madison	1934-38
Milwaukee	1930-38

WYOMING

Bitter Creek	1934-38
*Casper	1937-38
Cherokee	1934-38
Cheyenne	1930-38
Granger	1934-38
Knight	1930-38
Laramie	1934-38
Medicine Bow	1930-38
Rock Springs	1930-38

ALASKA

*Alatna	Dec. 1936 - Apr. 1941
Anchorage	Jan. 1935 - Apr. 1941
*Aniak	Nov. 1939 - Apr. 1941
*Annex Creek	Apr. 1937 - Apr. 1941
*#Atka	Nov. 1936 - Jan. 1941
*Beaver	May 1940 - Apr. 1941
Bethel	Dec. 1932 - Apr. 1941
*#Big Delta	Oct. 1935 - Apr. 1941
*Broad Pass	Oct. 1938 - Apr. 1941
*Candle	Feb. 1938 - Apr. 1941
*Cape Decision	Nov. 1939 - Apr. 1941
*Cape Hinchinbrook	Mar. 1939 - Apr. 1941
*Cape St. Elias	Mar. 1938 - Apr. 1941
*Cape Sarishef	Feb. 1940 - Apr. 1941
*#Cape Spencer	Mar. 1938 - Apr. 1941
*Central House	Feb. 1940 - Feb. 1941
*Chicken	Oct. 1935 - May 1940
*Chitina	June 1939 - Apr. 1941
*Chogamote	Jan. 1937 - June 1938
*Circle	Apr. 1931 - Apr. 1941
*Circle Hot Springs	July 1935 - Apr. 1941
*Coal Creek	May 1938 - Oct. 1940
*Copper Center	Nov. 1938 - Apr. 1941
Cordova	Feb. 1931 - Apr. 1941
*#Council	May 1936 - Apr. 1941
##Craig	Sept. 1930 - Apr. 1941
##Crooked Creek	Mar. 1930 - Apr. 1941
*Deering	Nov. 1936 - Apr. 1941
*Dutch Harbor	July 1936 - Apr. 1941
*Eagle	Sept. 1930 - Apr. 1941
*Eldred Rock	Mar. 1939 - Mar. 1941
*Elim	Oct. 1937 - June 1939
Fairbanks	Aug. 1936 - Apr. 1941
*Five Finger Light	Mar. 1939 - Apr. 1941
Flat	Sept. 1931 - Apr. 1941
*Fort Yukon	Sept. 1930 - Apr. 1941
*#Gambell	Aug. 1935 - Mar. 1940
Golovin	Feb. 1930 - Apr. 1941
*Good Pastor	Nov. 1939 - Apr. 1941

ALASKA (Cont'd.)

*Guard Island Feb. 1940 - Feb. 1941
 *Gustavos Aug. 1939 - Feb. 1941
 Haines July 1930 - Apr. 1941
 *Healy Oct. 1938 - Apr. 1941
 *Holy Cross June 1940 - Apr. 1941
 *Homer Feb. 1939 - Apr. 1941
 Hot Springs Sept. 1930 - Apr. 1941
 *Hughes Oct. 1939 - Apr. 1941
 *Iliamna Mar. 1939 - Apr. 1941
 *Jack Wade May 1940 - Apr. 1941
 Juneau Dec. 1930 - Apr. 1941
 *Kals Kag Mar. 1939 - Apr. 1941
 Kaltag June 1931 - Apr. 1941
 *#Kanakanak Sept. 1931 - Apr. 1941
 *Kasilof Jan. 1939 - Apr. 1941
 Ketchikan Aug. 1930 - Apr. 1941
 *Kodiak Aug. 1936 - Apr. 1941
 *Kotzebue Sept. 1930 - Apr. 1941
 *#Livengood Feb. 1931 - Apr. 1941
 *Mary Island Feb. 1940 - Feb. 1941
 *#McGrath Feb. 1931 - Feb. 1941
 *#Naknek July 1935 - Mar. 1941
 *#Nenana Aug. 1930 - Apr. 1941
 *No Grub Feb. 1939 - Nov. 1939
 Nome June 1935 - Apr. 1941
 *#Nulato Feb. 1931 - Apr. 1941
 *Ophir Oct. 1939 - Apr. 1941
 *Paxon June 1939 - Oct. 1940
 Petersburg Apr. 1932 - Apr. 1941
 *Pigot Aug. 1939 - Apr. 1941
 *#Pilgrim Springs Oct. 1937 - Apr. 1941
 *Pilot Point Dec. 1938 - Mar. 1941
 *Platinum Apr. 1939 - Mar. 1941
 *#Portage Oct. 1935 - Apr. 1941
 *Radioville Sept. 1935 - Apr. 1941
 *Rapids Oct. 1935 - Apr. 1941
 *Richardson Oct. 1935 - Apr. 1941
 Ruby Mar. 1931 - Apr. 1941
 *St. Paul Island Aug. 1936 - Apr. 1941
 *#Savoonga Nov. 1930 - Oct. 1935
 *#Scotch Cap May 1939 - Apr. 1941

ALASKA (Cont'd.)

*Sentinel Mar. 1940 - Apr. 1941
 *#Seward Dec. 1930 - Apr. 1941
 *Shishmaref May 1937 - Apr. 1941
 Sitka Aug. 1930 - Apr. 1941
 *#Skagway July 1931 - Apr. 1941
 *Skwentna May 1939 - Apr. 1941
 Solomon Jan. 1931 - Apr. 1941
 *Stampede Jan. 1938 - Apr. 1941
 *Stevens Village May 1940 - Apr. 1941
 *Stony River Mar. 1940 - Apr. 1941
 *Stuyahok June 1938 - May 1940
 *Summit May 1940 - Apr. 1941
 *Talkeetna June 1940 - Apr. 1941
 *#Tanalian Point May 1939 - Apr. 1941
 Tanana Sept. 1930 - Apr. 1941
 *Teller July 1937 - Apr. 1941
 *Tenakee Feb. 1940 - Apr. 1941
 *Tree Point Feb. 1940 - Apr. 1941
 *Tyronek June 1940 - Apr. 1941
 *#Unalakleet Dec. 1930 - Apr. 1941
 *Valdez Aug. 1931 - Apr. 1941
 *Wales (Tin City) Oct. 1937 - Apr. 1941
 Wiseman Feb. 1931 - Apr. 1941
 *Wrangell Aug. 1930 - Apr. 1941
 *Yakutat Aug. 1936 - Apr. 1941

CANAL ZONE

Albrook Field Apr. 1936 - Dec. 1938
 Coco Solo 1933-38

CUBA
Guantanamo Bay

1933-38

PACIFIC OCEAN STATIONS

#Baker Island	Apr. 1935 - Oct. 1941
Canton Island	Apr. 1940 - Oct. 1940
Enderbury Island	Dec. 1938 - Dec. 1941
#Howland Island	Apr. 1935 - Nov. 1941
#Jarvis Island	Mar. 1935 - Nov. 1941

* Annual Summary Only
 # Numerous Breaks in Record

