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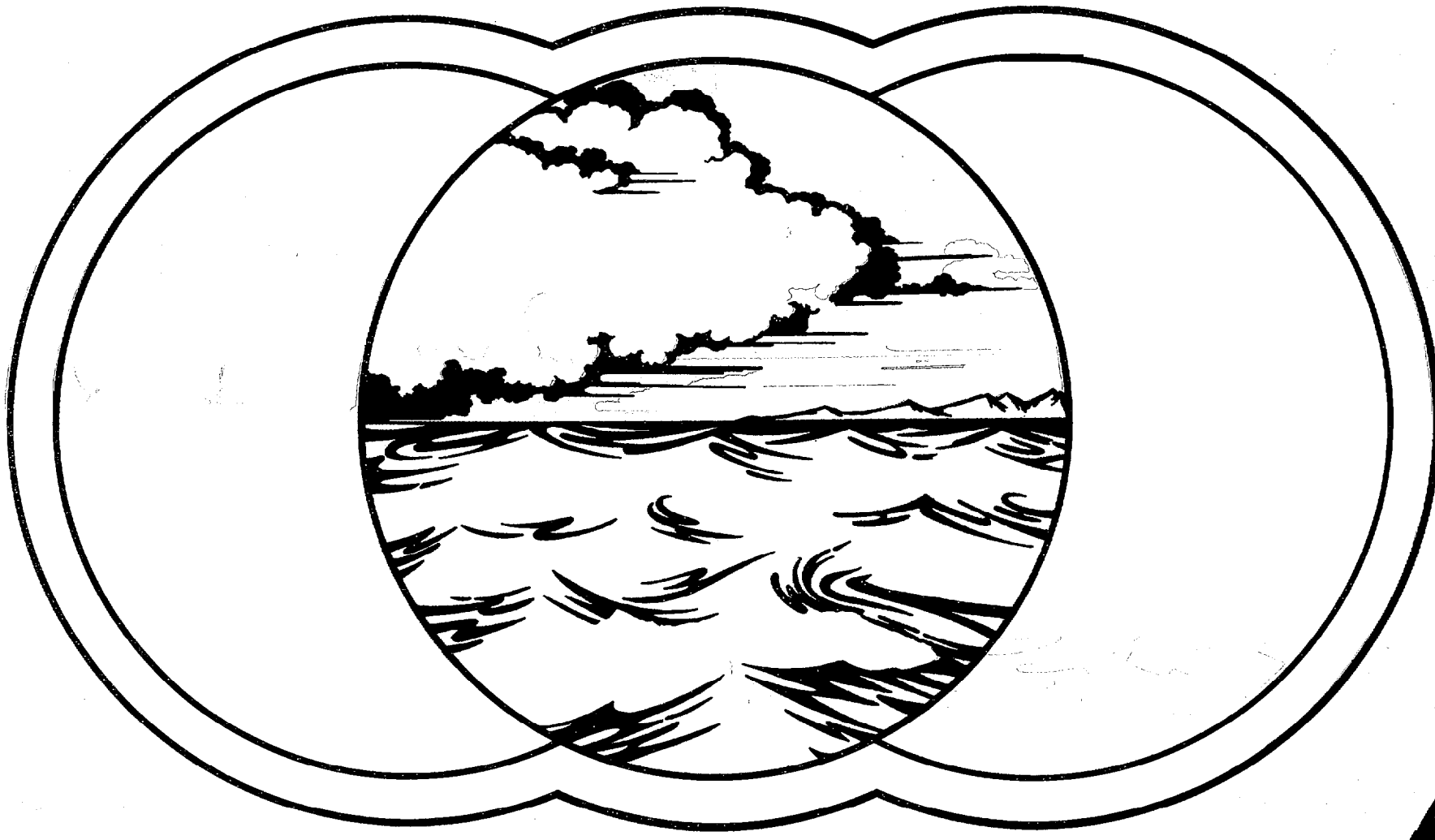
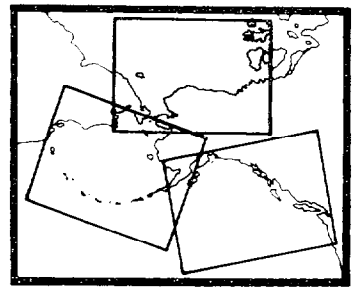
CLIMATIC ATLAS

OF THE OUTER CONTINENTAL SHELF WATERS AND COASTAL REGIONS OF ALASKA



VOLUME III
CHUKCHI-BEAUFORT SEA



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NOAA, NATIONAL OCEAN SERVICE
OFFICE OF OCEANOGRAPHY AND MARINE ASSESSMENTS
OCEAN ASSESSMENT DIVISION, ALASKA OFFICE

CLIMATIC ATLAS

OF THE OUTER CONTINENTAL SHELF WATERS AND COASTAL REGIONS OF ALASKA

VOLUME III
CHUKCHI . BEAUFORT SEA

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1988

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Acknowledgments

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The observations processed for most of the U.S. coastal stations were collected by the National Weather Service (NOAA), the Federal Aviation Administration, and the U.S. Navy, and routinely sent to NCDC for digitizing and archiving. The digital data for the U.S. Air Force (USAF) and Russian stations were provided by the USAF's Environmental Technical Applications Center in Asheville. The digital data for the Canadian coastal stations were purchased from the Canadian Climate Centre in Downsview, Ontario. Data summaries were made possible through programs designed at NCDC and funded primarily by the Commander, U.S. Naval Oceanography Command, in support of U.S. Navy's continuing marine climatology requirements, and by Department of Interior's Minerals Management Service in support of this atlas production.

The extremes data in the first section were updated through 1984 from a published Alaska Climate Summaries done by AEIDC in another project, published Canadian normals 1951-1980, and data supplied by Drs. Howard Critchfield and Kelly Redman, state climatologists for Washington and Oregon. Joseph C. LaBelle, glaciologist and geomorphologist at AEIDC assisted in the preparation of Cook Inlet ice and calving glacier ice in Volume I. Thanks also to Denise Cote for editing section I of all volumes and Laura J. Larson who was graphics project leader for the atlas and scheduled work on maps, charts, and text for all 3 volumes.

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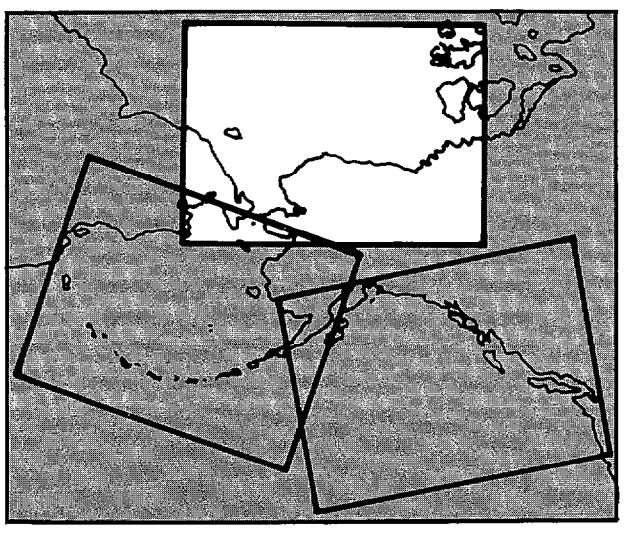
Abstract

This project updates the knowledge of climatological conditions presented in the 1977 publication of this three-volume atlas. Such environmental information for the three Alaskan marine and near-coastal areas is important for resource development of the outer continental shelf-The Gulf of Alaska (Volume I), the Bering Sea (Volume II), and The Chukchi and Beaufort Seas (Volume III) as shown on the map below.

The maps, graphs, and tables in the atlas present a detailed climatic profile of the marine and coastal regions of Alaska. Statistics give the means, extremes, and percent frequency of occurrence of threshold values for these elements: wind, visibility, present weather, sea level pressure, air and sea surface temperature, clouds, waves, and such supplemental information as storm surges, tides, sea ice, cyclone tracks, surface currents, bathymetry, detailed weather, and aviation weather. Data came from 4.5 million surface marine observations and 8.5 million observations for 66 coastal and island stations within the area 40°-84°N and 110°W-160°E, and provide the best possible climatological picture of the outer continental shelf waters and coastal regions of Alaska.



Introduction

The nature of man's offshore activities depends to a large extent on weather conditions. Knowledge of these conditions can help insure efficient and safe operations. Extreme weather conditions that may be encountered in a given location largely determine the design, construction, and operation of permanent platforms and structures in the ocean as well as onshore support activities. This atlas is useful to those engaged in shipping, national defense, fishing, and applied research where a knowledge of coastal and offshore climate is essential. Weather information also aids in assessing the onshore impact of offshore activities.

This atlas is the result of a joint effort by the Arctic Environmental Information and Data Center (AEIDC), University of Alaska and the National Climatic Data Center/National Oceanic Atmospheric Administration (NCDC/NOAA) to present descriptive climatology and data analyses of surface marine and atmospheric parameters for those waters and coastal regions of the Alaskan outer continental shelf important to resource development. It is designed to serve as a climatological reference in the assessment of potential impact by oil and gas exploration and development and of leasing and operating regulations and monitoring programs that will permit resource development and insure environmental protection.

The evaluation is in the form of a climatic atlas for each of three marine and coastal areas: The Gulf of Alaska (Volume I), The Bering Sea (Volume II), and The Chukchi and Beaufort Seas (Volume III).

The first section in each volume contains information on such hazards as storm surges, superstructure icing, hypothermia, and wind chill; extremes data on winds, temperature, and precipitation; and planning information on surface currents, bathymetry, sea ice, and tides. The second section presents a detailed climatic profile in the form of isopleth analyses, graphs, and tables.

Section I: Selected Topics in Marine and Coastal Climatology

by James L. Wise and Lynn D. Leslie

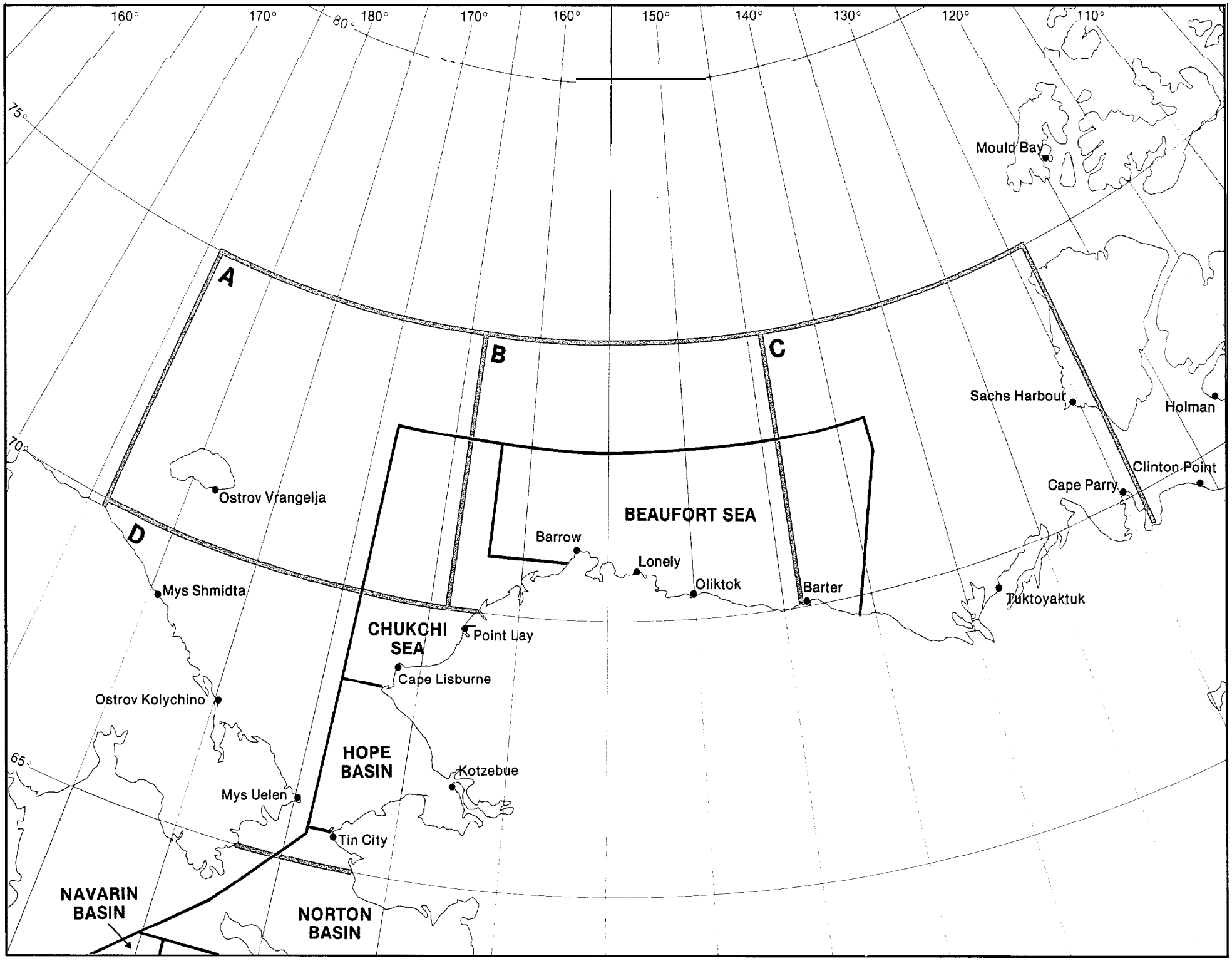


Figure 1. MMS Lease Sale Areas

Figure 2. Place Names Map

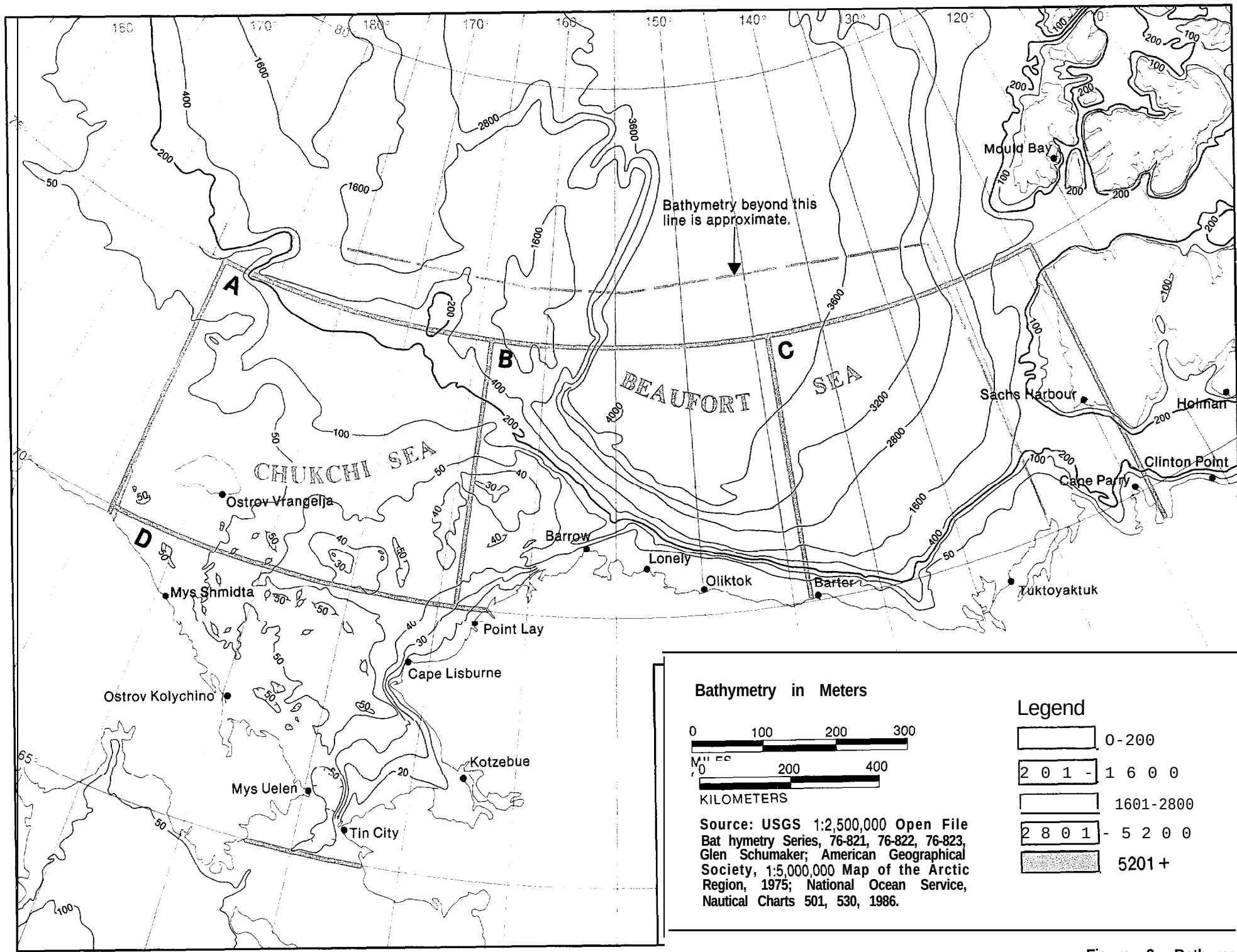


Figure 3. Bathymetry

Currents of the Chukchi and Beaufort

Chukchi Sea

A warm current enters the Chukchi Sea via Bering Strait and flows around Pt. Barrow to approximately 148°-152° W in the Beaufort Sea. Average rate of flow through the strait is 1.6 x $10^6 m^3/s$. In the Chukchi, this current concentrates near the surface and overlies dense, relict bottom water trapped by the shallow depths. It has a fairly uniform velocity which averages 45 cm/s in the summer and 10 cm/s in winter (Arctic Institute of North America 1974). This flow has many meanders and eddies and is slowed somewhat by dominant northeasterly winds. This semipermanent flow is the dominant barotropic feature. To the east, in deeper waters, the warm water mass descends to mid-depths. Maximum temperatures are observed in 30- to 50-m depths.

Data from mid-depths indicate a north-flowing current parallel to the shore, and to a marked degree, the bottom contours, with rapid shifts to the south (Rouse and Wiseman 1980). The along-shore component attains speeds as high as 70 cm/s but is typically on the order of 40 cm/s. The current, comprised of Alaskan Coastal Water and Bering Sea Water, hugs the east side of the Chukchi Sea. In the region of Cape Prince of Wales warm water is present farther to the northeast. The degree of penetration into Kotzebue Sound varies from year to year. Some of the water in Kotzebue Sound is believed to move southwest along the north shore of the Seward Peninsula approximately as far as Shishmaref before joining the general northward flow (Coachman, Aagaard, and Tripp 1975). Near Point Hope and off Cape Lisburne the flow bifurcates. One branch turns north-northwest toward Herald Shoal, the other closely follows the Alaskan shore. Along the coast, data indicate that the current is quite narrow, approximately 37 km in places (Bourke and Paquette 1974).

Approximately 100 km offshore a warm current originating in the Bering Strait flows north-eastward (Coachman et al. 1975). Farther north the current approaches the coast and flows through Barrow Canyon into the Beaufort Sea. Large-scale fluctuations in atmospheric pressure appear to influence the temporal variations in the transport (Mountain 1976).

There is a large anticyclonic eddy between the coast and the warm current (Ingham and Rutland 1972). Within this eddy and the warm current, both surface and deep currents are strongly influenced by wind stress. Velocities lie along the same octant and are similar in magnitude. This implies a strong barotropic component in the flow (Ingham and Rutland 1972).

Nearshore current patterns and velocities are very complicated and variable because of coastal configuration, bathymetry, and winds. During southwesterly winds, warm surface waters pile up against the coast. Warm waters are displaced offshore and cooler water upwells along the coast during northeasterly winds. A baroclinic coastal jet may be present. Evidence supporting this current consists of alternation of near-surface current direction and simultaneous coastal setup and setdown, caused by Ekman divergence, in response to changing winds. This results in the transport of warm, low salinity, nearshore water and interaction with the Kasegaluk Lagoon waters. The coastal water mass properties are thus modified. Data suggests that due to strong winds, shallow bathymetry, large coriolis, and strong stratification, the baroclinic coastal jet probably dominates the coast from Cape Lisburne to Icy Cape during the summer months (Rouse and Wiseman 1980).

Nearshore lagoon water mixes with river runoff and with the coastal waters forced in by storms. Thus coastal water is freshened as well as warmed by solar radiation. Water within the lagoon becomes well mixed due to wind changes which weaken the vertical stratification.

Water movement from the Bering Strait to Cape Lisburne takes 10-15 days in the summer (Arctic Institute of North America 1974). Other known velocities are listed for the Alaskan Coastal Water. It moves north at 50-200 cm/s on the east coast in the Bering Strait (AEIDC 1975; Arctic Institute of North America 1974; Henkins and Kaplin 1966); O-50 cm/s on the Siberian side (AEIDC 1975); 25 cm/s near Diomede Island (Arctic Institute of North America 1974); 50 cm/s near Cape Thompson (Arctic Institute of North America 1974); 15-25 cm/s for currents parallel to the coast, at the surface, (O-10 m) in the summer (Coachman et al. 1976); and approximately 30 cm/s near Icy Cape (Coachman et al. 1976).

Tidal currents are rotary and very weak in the Chukchi. They vary from .3 to .9 cm/s depending on the location and tidal stage. Nearshore the tidal currents appear to be small, on the order of 1 cm/s (Wiseman et al. 1974). Kotzebue Sound currents are mostly tide- and wind-induced. Velocities through and within the sound are very slow, averaging less than 0.1 cm/s.

Beaufort Sea

The large-scale clockwise Beaufort Gyre moves waters from the Canadian Basin westward in the deeper offshore regions. Gyre velocities reach 5-10 cm/s north of the Alaskan coast (Aagaard 1975). Another dominant circulation feature is the Alaskan Coastal Current, which enters the Beaufort Sea through the Barrow Sea Canyon. The jet then follows the 200-m isobath to approximately 152" W (Aagaard 1983; Thomas 1983). Velocities are usually on the order of 15-25 cm/s to the east, but the jet frequently reverses in direction, resulting in a lower net eastward movement of about 7 cm/s.

Surface waters in the Beaufort Sea are primarily wind driven. Flow is variable and responsive to meteorological forcing, with periods on the order of three to ten days. Wind forcing may decouple the upper layer from the subsurface flow to produce a reversed flow direction. Seaward of about the 50-m isobath the mean subsurface circulation pattern is predominantly eastward both summer and winter (Aagaard 1984).

This eastward flow, on the order of 10 cm/s, characterized by a temperature maximum, is called the Beaufort Undercurrent. Two water masses comprise the undercurrent flow—Alaskan Coastal Water, characterized by 5°-10°C temperatures and salinities of about 31 %, and Bering Sea Water, which has a similar temperature maximum and typically has higher salinities. Temperature gradients associated with the Beaufort Undercurrent do not manifest as a frontal zone in the summer. In winter the temperature maximum disappears and the gradient is negligible.

The undercurrent originates in the Bering Sea and has been observed seaward of the 50-m isobath. This water has been observed as far east as 148°W, where it probably mixes with local surface water and becomes indistinguishable. Bering Sea Water can be traced as far east as Barter Island, at 143°W (Aagaard 1984; Lissauer et al. 1984).

The inner boundary of the flow follows the 40- to 50-m isobath and identifies the demarcation of the inner and outer shelves. The northern edge of the current is less clearly defined due to mixing with local water. The current is known to strengthen seaward of the 100-m isobath and to the east. Aagaard (1984) speculated that other water masses besides those originating in the Bering Sea contribute to the volume and strength of the flow.

The undercurrent extends from near surface to the bottom between the 50- and 2500-m isobaths, producing a band about 60-70 km wide. It may be the nearshore manifestation of a major boundary current which is part of the large-scale circulation within the Canadian Basin. The mechanism which drives the current is not clear, though it is probably not locally driven. Neither wind-driven, geostrophic flow, nor momentum flux upstream, maintained by inertial and momentum balance, are supported observationally. The momentum flux in the western basin from the Chukchi Sea through Barrow Canyon is probably important. One possible explanation for this mean eastward flow arises from differences in sea level between the Atlantic and Pacific (Aagaard 1981).

Nearshore currents tend to follow local wind patterns and bathymetry. In the western Beaufort prevailing winds are from the east-northeast during all seasons. The winds are more bimodal in the eastern Beaufort. During easterly wind events in both the eastern and western regions, transverse circulation would be predominantly offshore in the upper layer. During westerly wind events the flow pattern would be onshore in the upper layer and offshore at depth. Since the wind pattern varies with season, the resultant inner shelf, surface current pattern would be to the east in winter, with an onshore component, and to the west in summer, with an offshore component. There does appear to be a net shoreward movement; at least within 10 km of the barrier islands (Matthews 1981).

The longshore transport of the inner Beaufort Shelf follows the bathymetryat approximately 15-25 cm/s (3% of the wind speed). In the western Beaufort the mean nearshore current is to the west. Occasional reversals will occur due to the passage of storm systems. In the eastern Beaufort the mean nearshore flow is to the west in the summer. Frequent reversals to the east in the fall and early winter are associated with storm systems which produce a high setup and transport (Barnes and Reimnitz 1974; Barnes et al. 1977; Drake 1977). Lissaueret al. (1984) provides mapped nearshore, wind-driven current estimates for regional stretches of the Beaufort Sea coast for varying wind directions and magnitudes.

Since land-fast sea ice is present out to approximately 25 km all but three months of the year, it is difficult to track the movement of surface waters except during the open water season. There seems to be little net motion of nearshore bottom currents under ice (Aagaard 1984). Generally the speeds are estimated to be less than 5 cm/s, or approximately 20% of the surface speed (Matthews 1981). The current direction is probably variable, but seems to be roughly wind driven, with dampened speeds and response times under the ice. These under-ice, winter currents are probably responses to coastal wind setup or, possibly, direct responses to atmospheric pressure gradients (Aagaard 1984). Thus, although energy and magnitude are dampened under ice, there appears to be a wind-driven component in the Beaufort nearshore current, year-round, which extends to the coast or to local barrier islands. A thermohaline vector component may be present nearshore, driven by the buoyancy gradient from freshwater runoff in early summer and possibly a density-driven circulation associated with brine drainage in winter.

Considerable research has been accomplished in the central and eastern Beaufort in nearshore and lagoon regions (Hachmeister and Vinelli 1983; Matthews 1979). Observed currents in the lagoons and near shore appear to be predominantly wind driven, with current speeds approximately 3-4% of the wind speed. Superimposed on these mean, wind-driven currents are short-term effects of storm passages, and tidal effects dominated by diurnal (M_2) forcing. Circulation patterns and exchange properties of nearshore and lagoon/barrier island systems on the eastern and western Beaufort Shelf show many dissimilarities. Observed differences may be attributable to differences in both coastal and lagoon geometries and their surrounding physical environments.

Three basic lagoon types appear on the Beaufort coastline. The first type is the open lagoon, i.e., those which are open to longshore transport as well as to cross-shelf exchange between multiple large openings in the barrier islands. The second lagoon type is the pulsing lagoon. The pulsing lagoon is closed to longshore current throughout; exchange with the nearshore waters occurs primarily via tidal pumping of water through the single major entrance in the barrier islands, with less exchange occurring through other shallow breaks. The third lagoon type is termed a limited exchange lagoon because it has only limited longshore current throughout, via several larger openings in the barrier island system. These lagoons may or may not exhibit pulsing effects due to tidal pumping. One or more small rivers or streams typically empty into each type of lagoon, providing a source of fresh water in early spring. Each lagoon type is discussed in detail in Lissauer et al. (1984), using specific geographic examples.

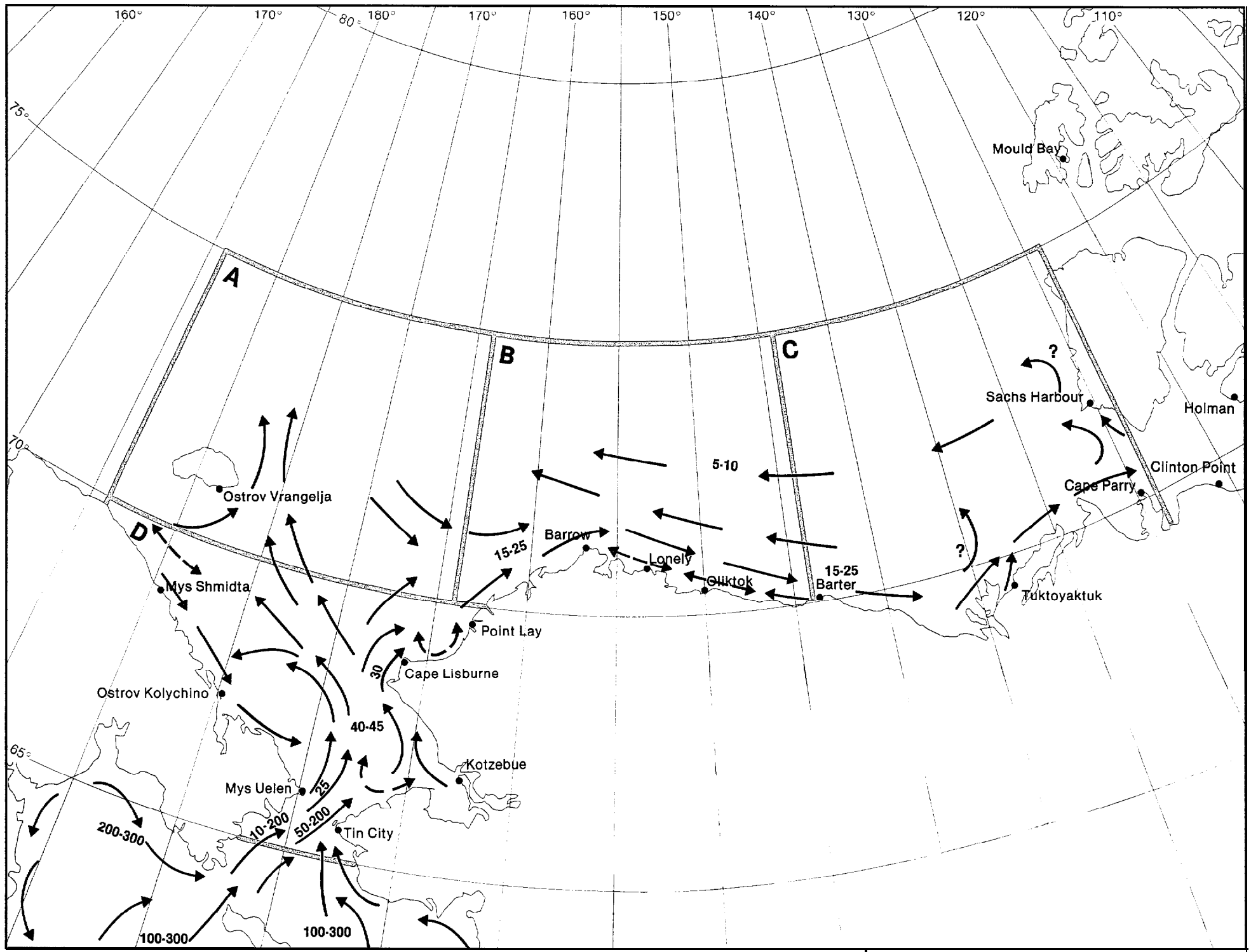


Figure 4. Sea Surface Currents-Summer

Legend

Beaufort and Chukchi Sea surface currents. Numbers indicate mean speed in cm/s. Arrows depict flow as follows:

← Prevailing current direction

← - - Variable current direction

Chukchi and Beaufort surface currents synthesized from Coachman, Aagaard and Tripp, 1975; Drury et al. 1981; Lissaver et al. 1984; and O'Rourke, 1974.

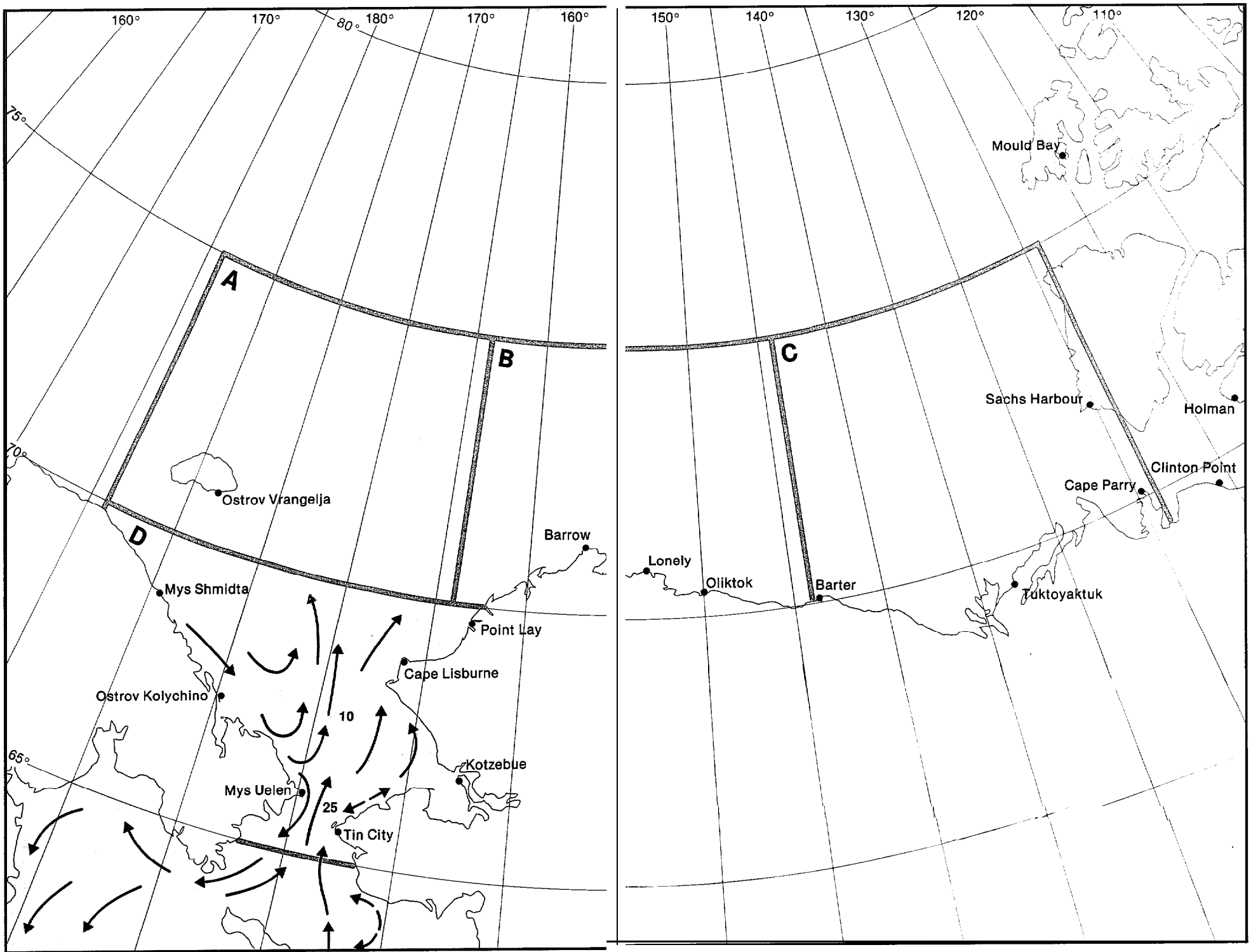


Figure 5. Sea Surface Currents-Winter

Legend

Beaufort and Chukchi Sea surface currents. Numbers indicate mean speed in cm/s. Arrows depict flow as follows:

⟵ Prevailing current direction

⟵ - - Variable current direction

Chukchi and **Beaufort** surface currents synthesized from Coachman, Aagaard and Tripp, 1975; Drury et al. 1981; Lissaver et al. 1984; and **O'Rourke,** 1974.

Sea Ice

Introduction

The annual cycle of formation and dissipation of sea ice in Alaska waters has widespread effects on a number of phenomena. When the ice forms, the coastal climate changes in character from maritime to continental with much colder temperatures and lower humidities than would be the case if open waters were present. The ice also interferes with and even stops water transportation with the possible exception of icebreakers and other specially designed ships. It makes the cleanup of oil spills difficult, if not impossible, by hampering cleanup operations and by trapping oil under the ice. Sea ice also has important effects on the cycles of living creatures in and near the sea.

The Chukchi sea remains virtually ice-covered from the beginning of December into mid-May, with the exception of a relatively wide shore lead that may develop seaward of the shorefast ice along the northwest coast (Figure 6). This feature is particularly prevalent from Point Lay to Point Barrow during periods of strong easterly winds. Around mid-May the seasonal disintegration of the ice cover begins as shorefast ice and thin ice decay and loosen along the northwest coast and in the interior of Kotzebue Sound (Webster 1982; see map sets 17 and 18 in section II). It is not until the beginning of July that there is asignificant reduction in the probability of ice cover in the southern Chukchi Sea. Ice generally stays close in to the coast at Point Barrow into late July and early August. Figure 7 shows the dates that the navigation season around Point Barrow to Prudhoe Bay is open. The length of the navigation season varies

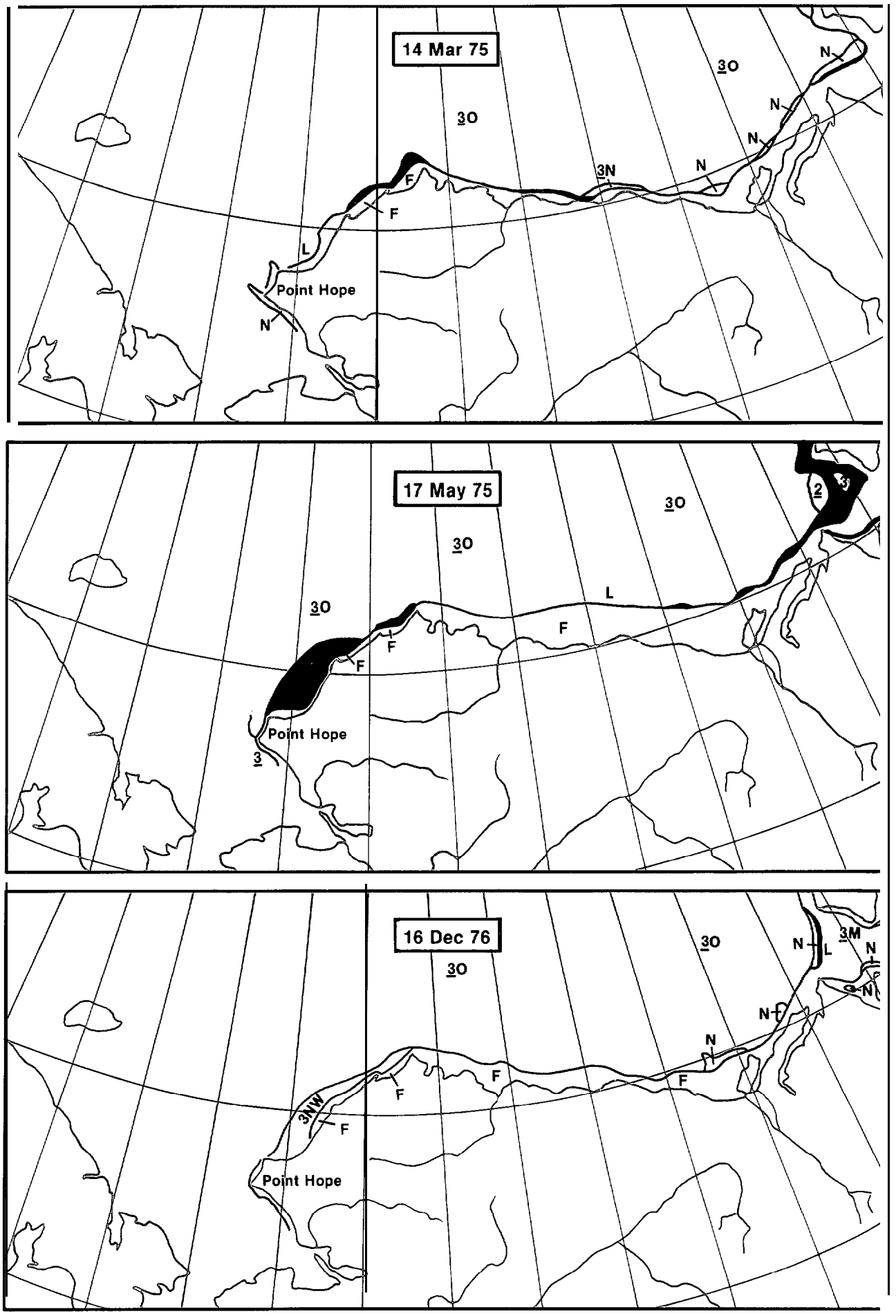


Figure 6. Recurring Leads and Polynyas

Legend

Large black areas indicate open water to 1110 ice cover.

Thin line leading into thicker line indicates a crack/lead.

Single line indicates division between ice cover categories.

L Indicates an open lead and is inserted in some case where lead is not obvious.

F Fast ice
N New Ice
0 Old Ice
M Multi-year ice
W Grey-white ice

1 2/10-5/10 ice cover
2 6/10-7/10 ice cover
2+ 8/10 ice cover
3 9/1 O-1 0110 ice cover

Source: Stirling and Cleator 1981.

from not open at all in 1975 to 99 + days in 1958. The median date for the initial opening of the route to Prudhoe Bay is August 2 and dates of openings varied from July 19 in three years to September 13 in 1955 (U.S. Navy 1986).

Recurring Leads and Polynyas

Wind and current stresses on the ice can cause tension or divergence and open relatively narrow, long stretches of open water in an otherwise dense ice cover. In the absence of strong currents the wind induces leads which run perpendicular to the wind direction. Flaw leads generally occur just seaward of the stable fast ice zone when strong offshore winds develop. The most notable flaw lead event along the Chukchi Sea coast of Alaska is the series of leads which opens each spring and allows whales to reach the Beaufort Sea. Leads open in response to easterly winds that usually occur in March or April.

An area of open water or thin ice is a common occurrence in the Point Hope vicinity (Carleton 1980) but the areal extent varies considerably from year to year. (Figure 8) This area is not necessarily a true polynya. In the early spring, any open water is often refrozen by the cold offshore winds which cause polynya formation. Furthermore, the opening can be very quickly closed by a reversal in the wind field. Therefore, although this area commonly experiences open water or light ice conditions, these circumstances cannot be anticipated with any degree of certainty (AEIDC 1983).

Fast Ice Boundary

Charts showing the fast ice boundary come entirely from the recent work of Stringer, Barrett, and Schreurs (1980), performed for the National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program (OCSEAP). The objective of this project was to develop a description of nearshore ice along the Bering, Chukchi, and Beaufort coasts and to identify those features that may be a hazard to oil and gas development. LANDSAT imagerywas used todevelop regional maps for each year of the study. These yearly regional maps were used to determine average or typical conditions that were then recorded on seasonal maps. Information displayed on the seasonal maps was developed from winter and spring observations for the years 1973 through 1977.

In presenting these data, Stringer, Barrett, and Schreurs noted that the fast ice zone can vary by tens of kilometers from year to year, month to month, or place to place. This is particularly true off the Beaufort coast. In this area the fast ice boundary has been observed to range from the 20-m isobath to a point 30 to 40 km (20-25 mi) seaward. These extensions appear to be caused by an absence of winds, currents, and internal forces within the ice sheet that normally keep individual floes within the pack ice from freezing together. They noted that these calm conditions can persist for several weeks before sufficient forces exist for failure to take place along lines considerably closer to shore.

Selected Sea Ice Data and Severity Index for the North Coast of Alaska 19534985

SEVERITY RANK		YEAR	1 nmi	2 nmi	3 nmi	4 nmi	5 DATE	6 DATE	7 #DAYS	6 #DAYS
Mildest	1	1958	50	150	50	210	07119	10125	92	99 +
	2	1968	25	165	30	200	07119	10118	86	91
	3	1954	20	115	20	210	08101	09130	38 +	61 +
	4	1973	5	80	5	190	07131	10120	73	82
	5	1962	25	150	30	150	07119	09130	49 +	68 +
	6	1963	5	130	5	130	08113	10118	67	67
	7	1961	15	105	15	135	07125	09/24	49 +	62 +
Years are listed in order of increasing severity based on parameters in columns 2,4,5,7 & 8.	8	1979	0	125	0	125	08104	10/08	31	56
	9	1974	10	100	10	100	08106	10/05	35	61
	10	1978	5	70	30	95	07125	10109	35	76
	11	1977	5	55	25	85	08102	10115	63	74
	12	1959 1982	20 0	85 65	0	95	07119 08103	10106 10110	42 21	86 69
	13									
	14	1972	0	60	30	90	07/31	10101	45	63
	15	1957	5	45	70	60	08/01	10106	18	67
	16	1981	0	0	35	100	07/26	10101	0	66 +
	17	1985	0	30	0	53	08101	10115	22	52
	18	1967	15	0	30	50	07125	10112	UKN	68
	19	1966	0		0	45	08101	10/22	24	65
	20	1984	0	25	0	50	08111	10115	21	42
	21	1965		10		70 +	08125	09125	25	32
	22	1980	15	25	15	25	08105	09130	11	42
	23	1953	0	0	0	35	07127	09116	5	52 +
	24	1976	0	15		15	08115	10107	21	53
	25	1971	0	0	0	30	08123	11101	8	71
	26	1960	0	0	20 +	20	08105	09107	0	34
			0						0	39
	27	1964	0	10	0	15	08108	09/20	0	21
	29	1970	0	0	5	0	08106	09114	0	32
	30	1956	0	0	0	40	09107	09130	0	24
	31	1969	0	0	0	30	09107	09118	5	12
Most	32	1955	0	0	5	15	09113	09124	0	12
Severe	33	1975	5	0	5	0	NEVER	N/A	0	0

Column 1: Distance from Point Barrow northward to ice edge (10 August)
Column 2: Distance from Point Barrow northward to ice edge (15 September)
Column 3: Distance from Point Barrow northward to boundary of five-tenths ice concentration (10 August)
Column 4: Distance from Point Barrow northward to boundary of five-tenths ice concentration (15 September)
Column 5: Initial date entire sea route to Prudhoe Bay less than/equal to five-tenths ice concentration
Column 6: Date that combined ice concentration and thickness dictate end of prudent navigation
Column 7: Number of days entire sea route to Prudhoe Bay ice free
Column 6: Number of days entire sea route to Prudhoe Bay less than/equal to five-tenths ice concentration

Source: Naval Polar Oceanography Center, 1966.

Figure 7. Selected Sea Ice Data and Severity Index for the North Coast of Alaska (1953-1985)

Legend

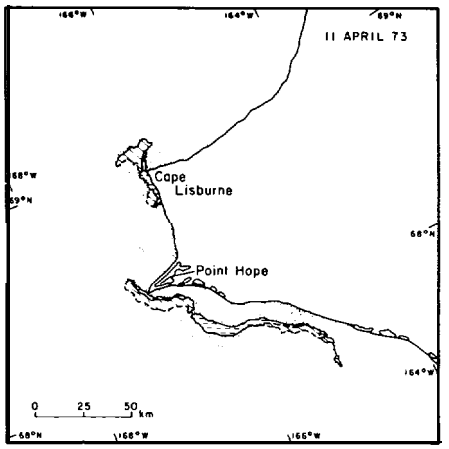
Open water

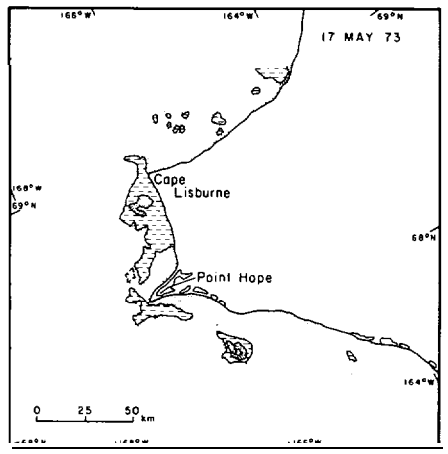
Area of thin ice

Ice

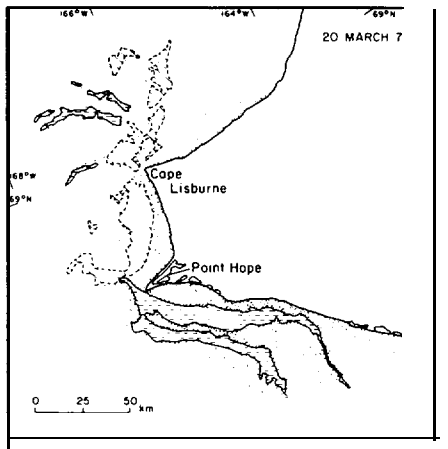
Source for 1973, 1975 and 1977: Carleton 1980. Source for 1974 and 1976: Barry, Moritz, and Rogers 1979.

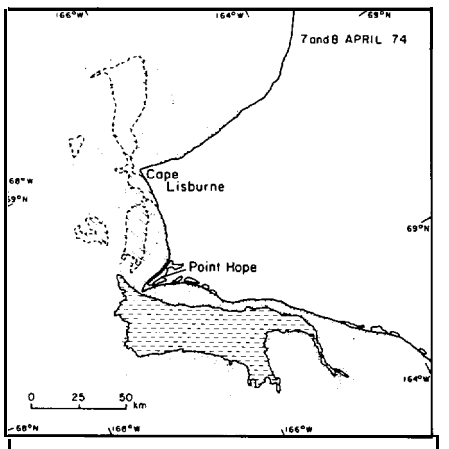
1973

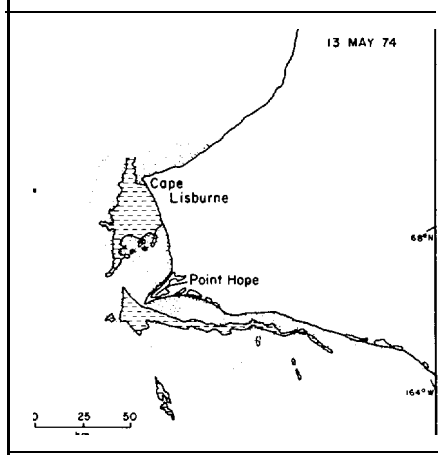


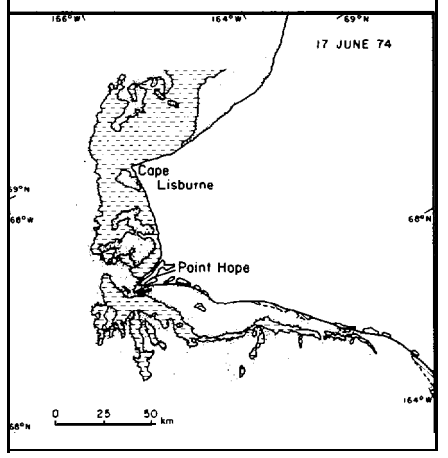


1974

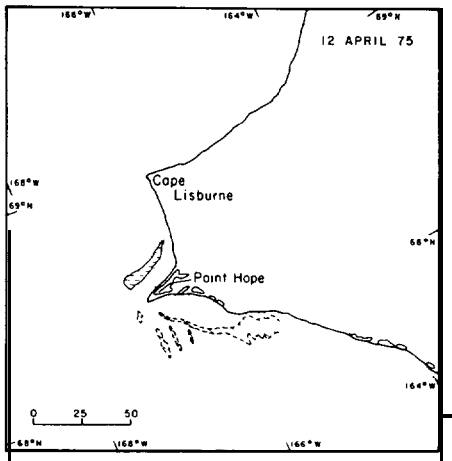


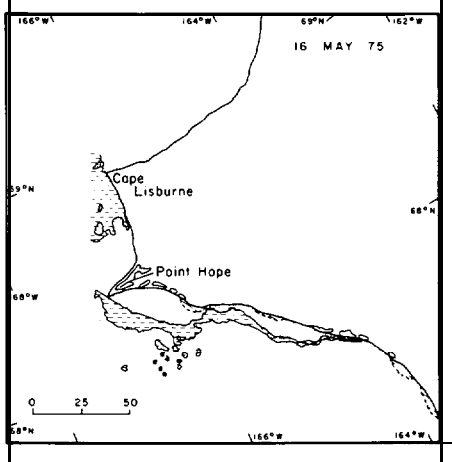


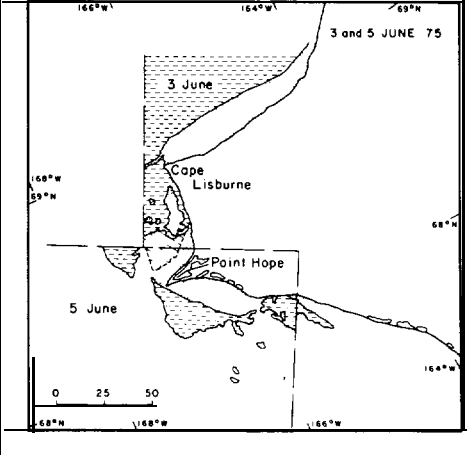




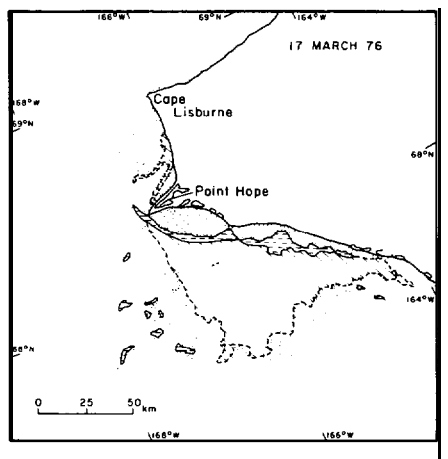
1975

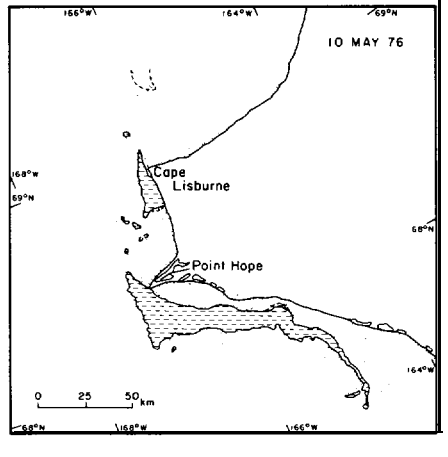


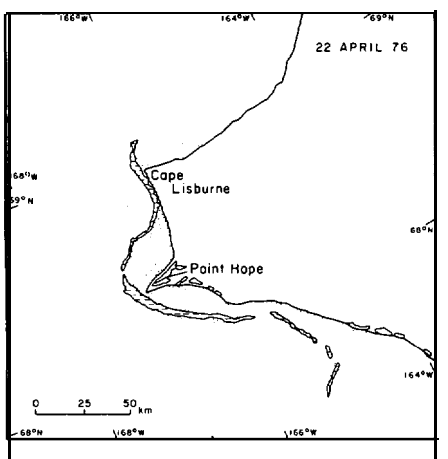


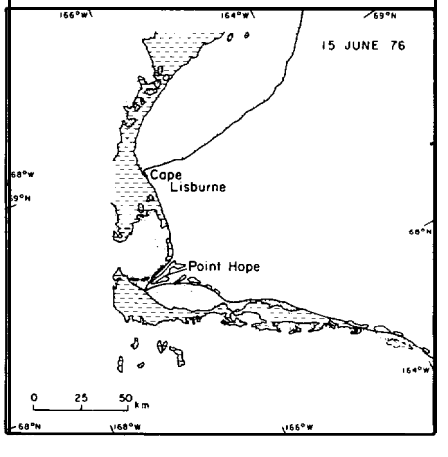


1976

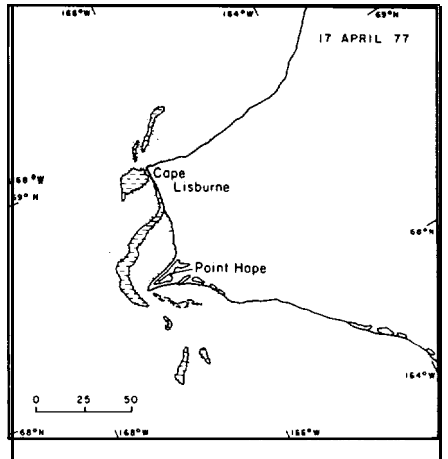








1977



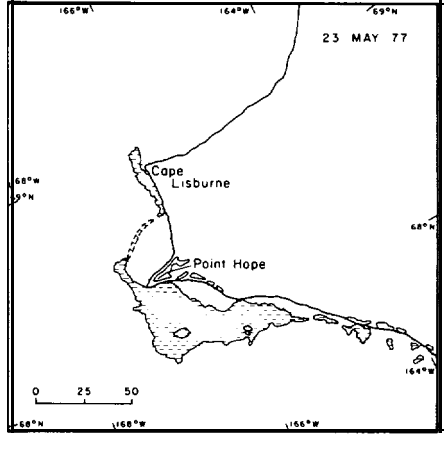


Figure 8. Flaw Leads in the Vicinity of Point Hope

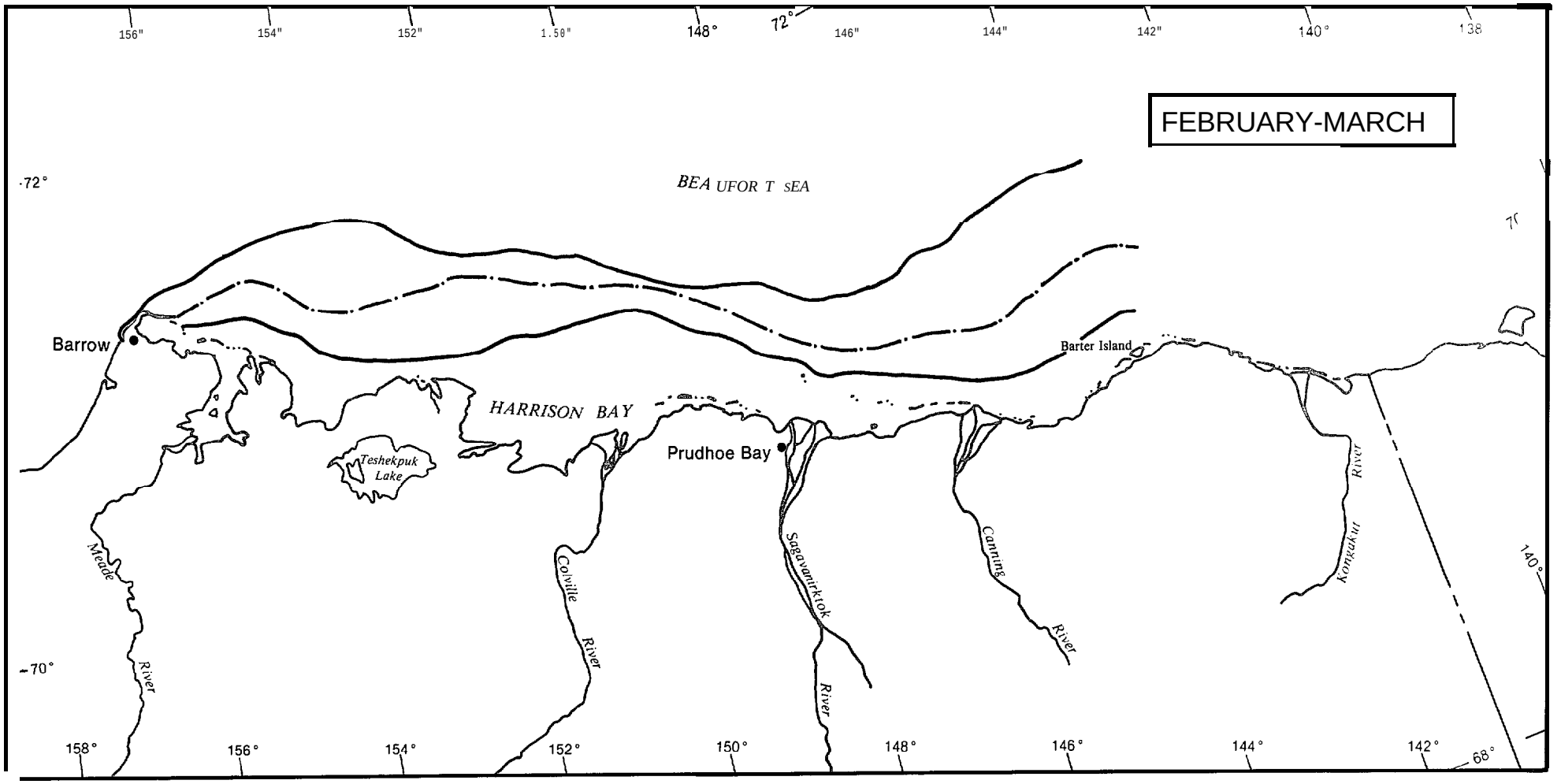


Figure 10. Seasonal Fast Ice Boundary— Beaufort Sea (February/March)

According to the World Meteorological Organization Sea Ice Nomenclature definition, fast ice includes all ice that has become attached to the shore, even multiyear pack ice. Therefore, the fast ice boundary displayed extends from a few meters to many kilometers from the coast and is not necessarily bounded by the shear ridge zone.

Fast Ice and Shear Zones

A common feature at the seaward boundary of the fast ice is an area of shear ridges. This feature is prominent along the Beaufort Sea coast, along the Chukchi Sea coast northeast of Cape Lisburne, and north of the Seward Peninsula between Wales and Shishmaref. Shear ridges in the Bering Sea tend to be more localized and of lesser extent and magnitude than farther north. Figure 9 shows the nearshore ice types and interaction with the seafloor typical of the Beaufort Sea coast. Deep gouges in the sea floor are common in the shear zone since these ridges are often grounded. Typical water depth is approximately 20 m for the shear zone in the Beaufort Sea (Stringer, Barrett, and Schreurs 1980), but in the Chukchi Sea this zone usually migrates seaward as the winter progresses. Gouges in the sea floor can also be caused by multiyear ice pieces in the north and by heavily hummocked ice pieces (floebergs) in all areas except the southern Bering Sea.

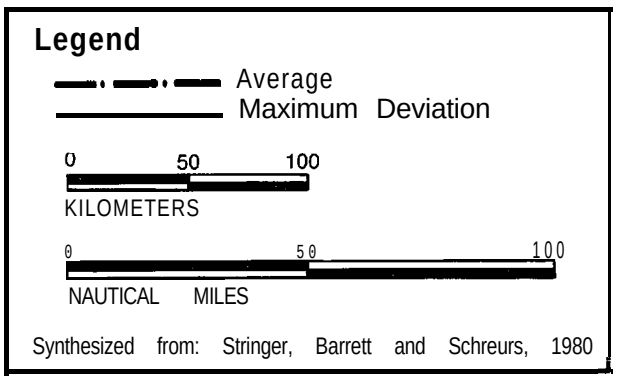
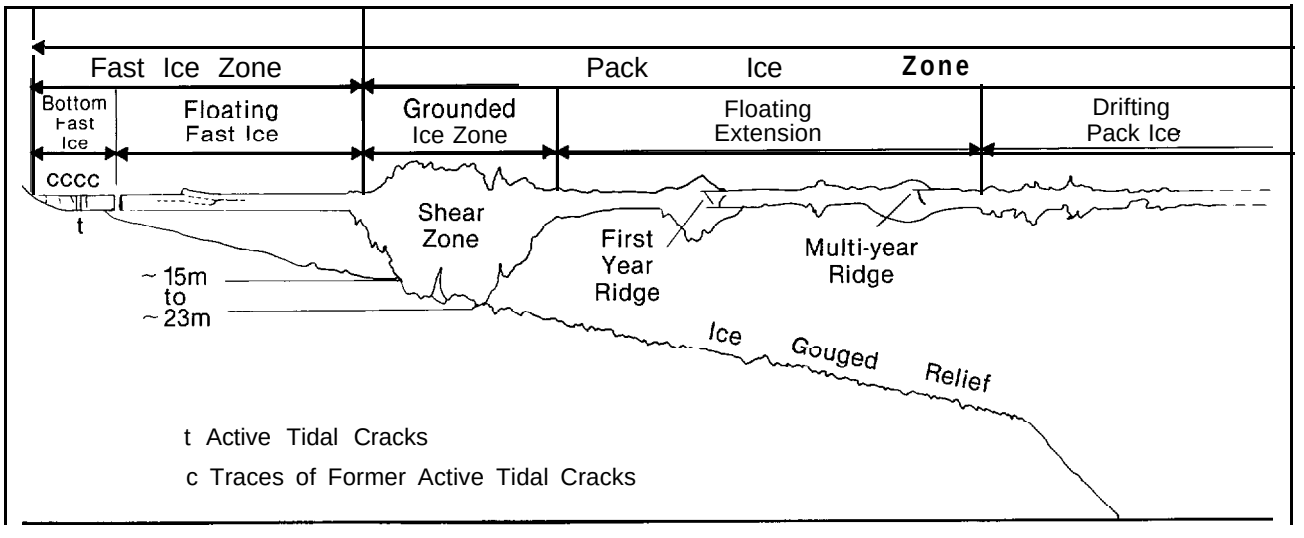


Figure 9. Sea Ice Zones and Types



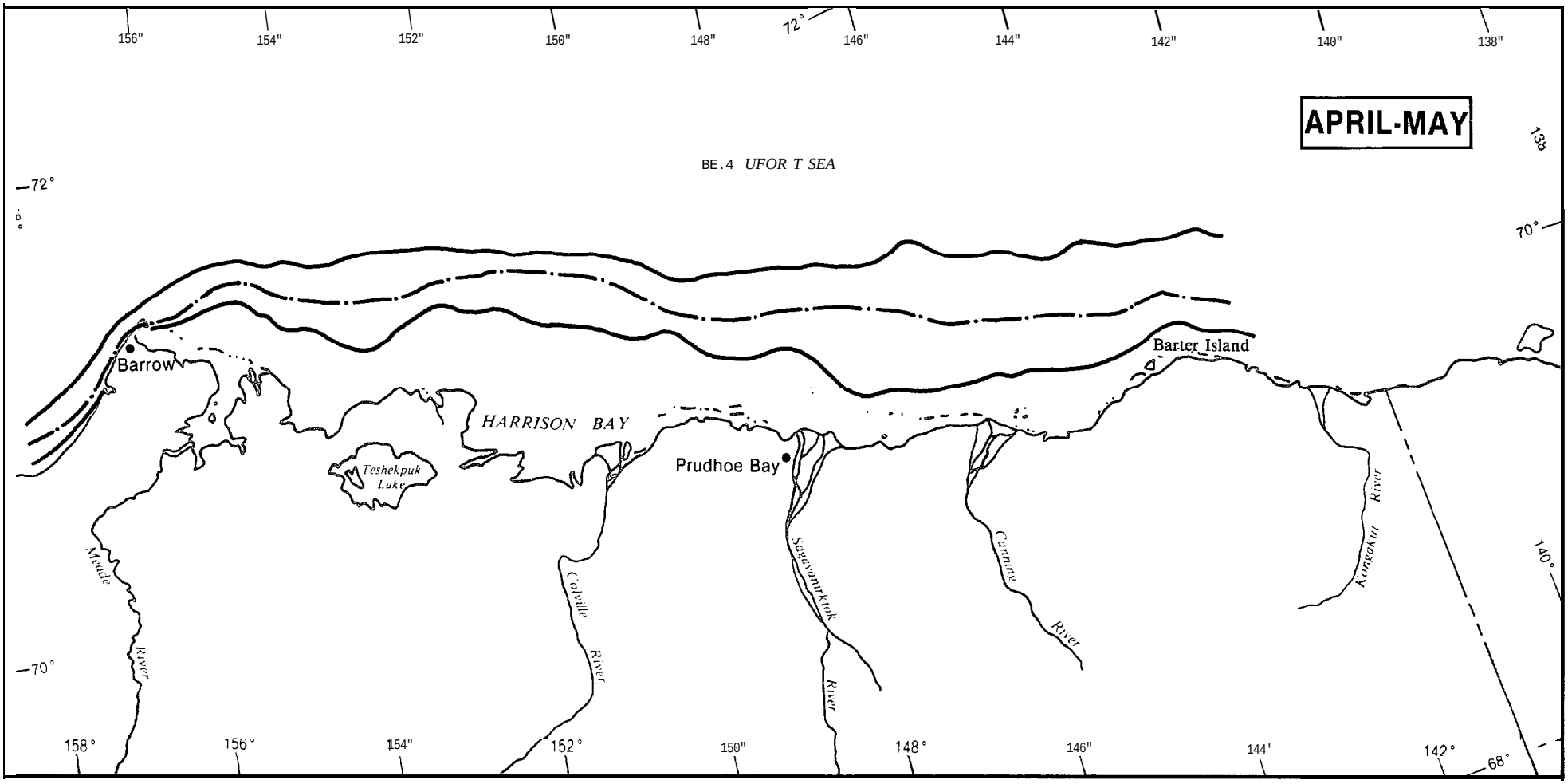


Figure 11. Seasonal Fast Ice Boundary — Beaufort Sea (April/May)

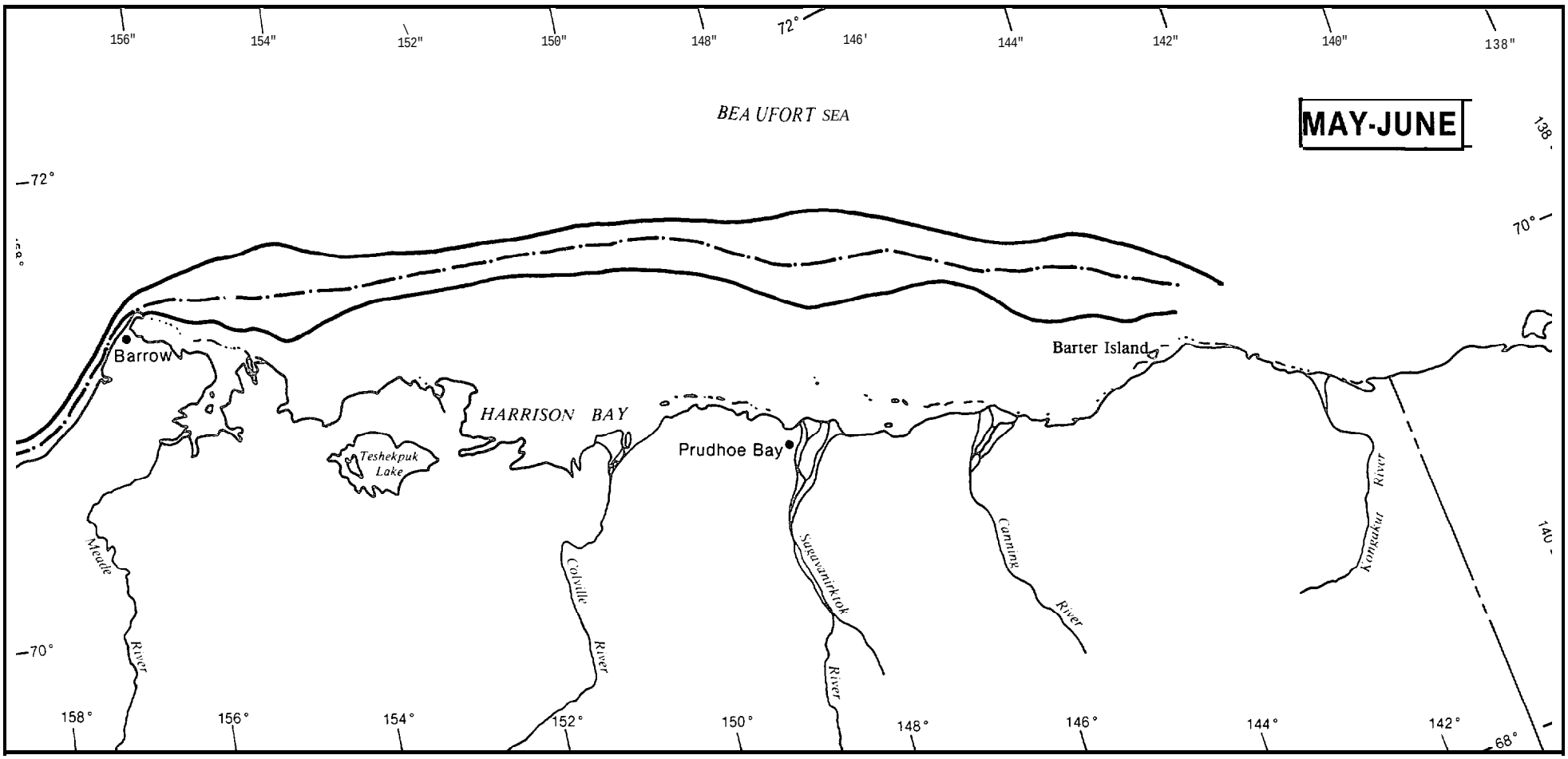
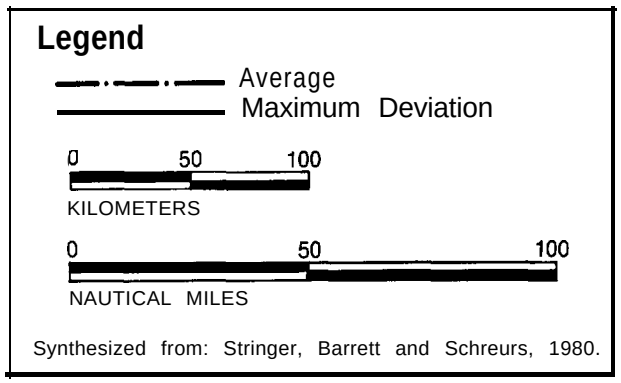


Figure 12. Seasonal Fast Ice Boundary-Beaufort Sea (May/June)



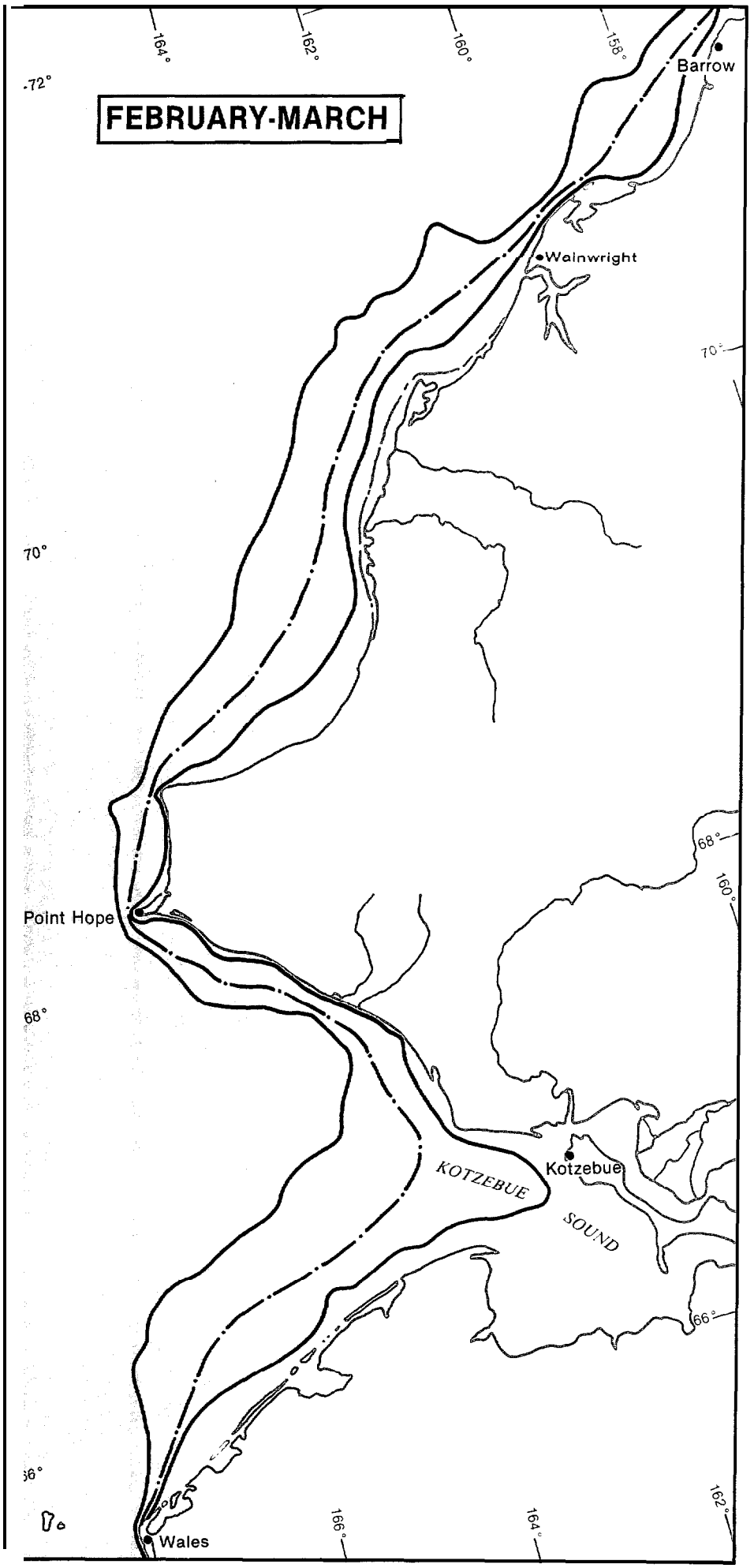


Figure 13. Seasonal Fast Ice Boundary-Chukchi Sea (February/March)

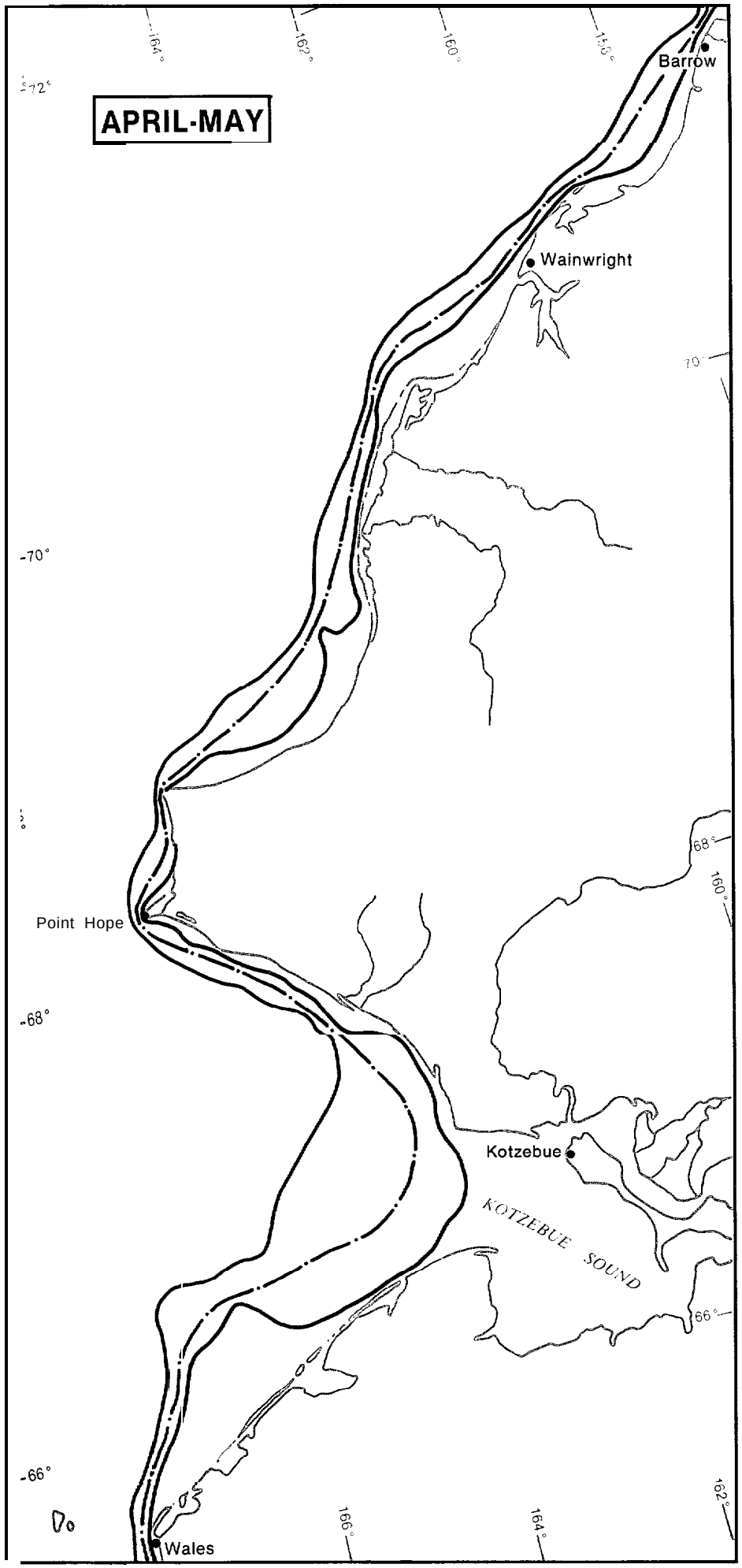


Figure 14. Seasonal Fast Ice Boundary-Chukchi Sea (April/May)

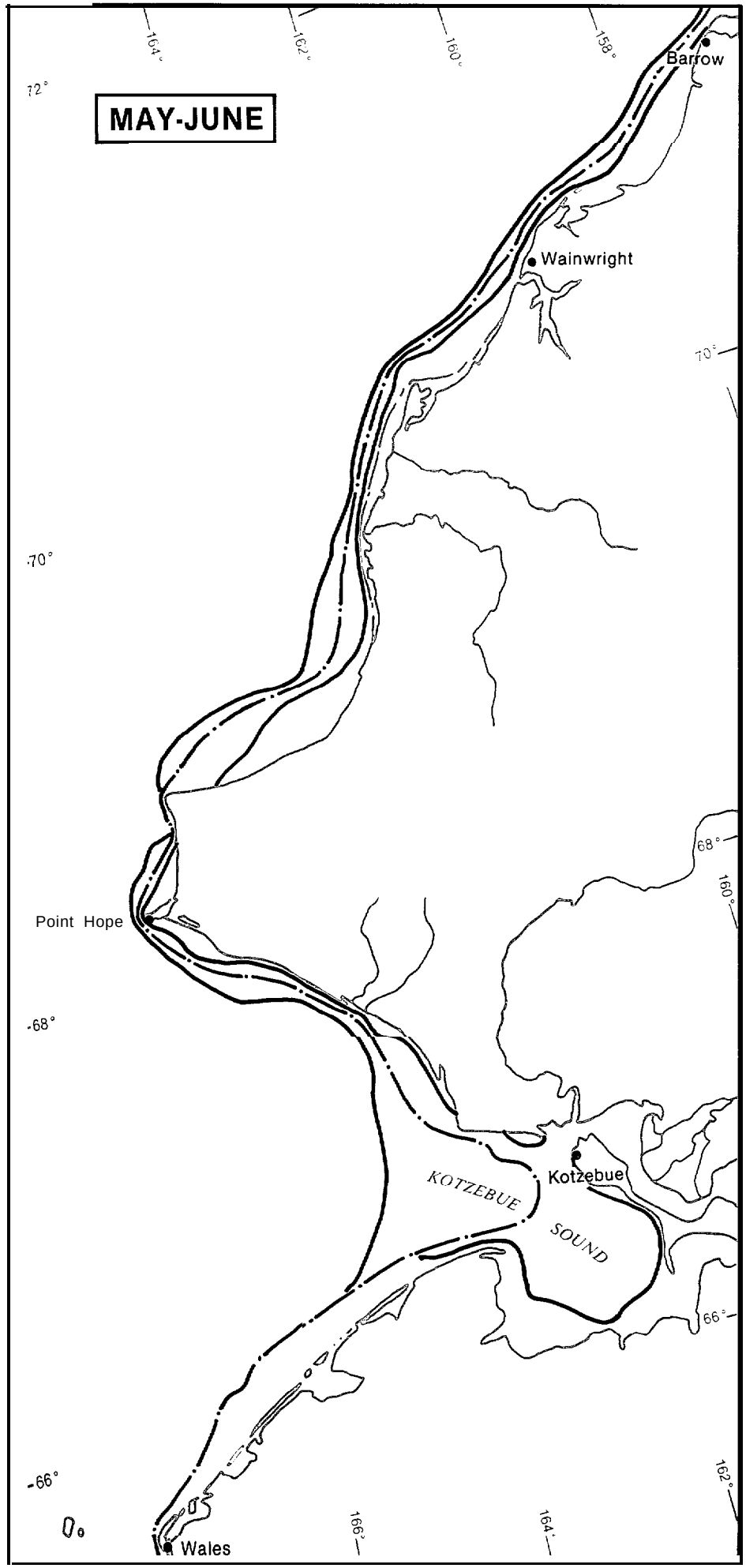


Figure 15. Seasonal Fast Ice Boundary-Chukchi Sea (May/June)

Tides

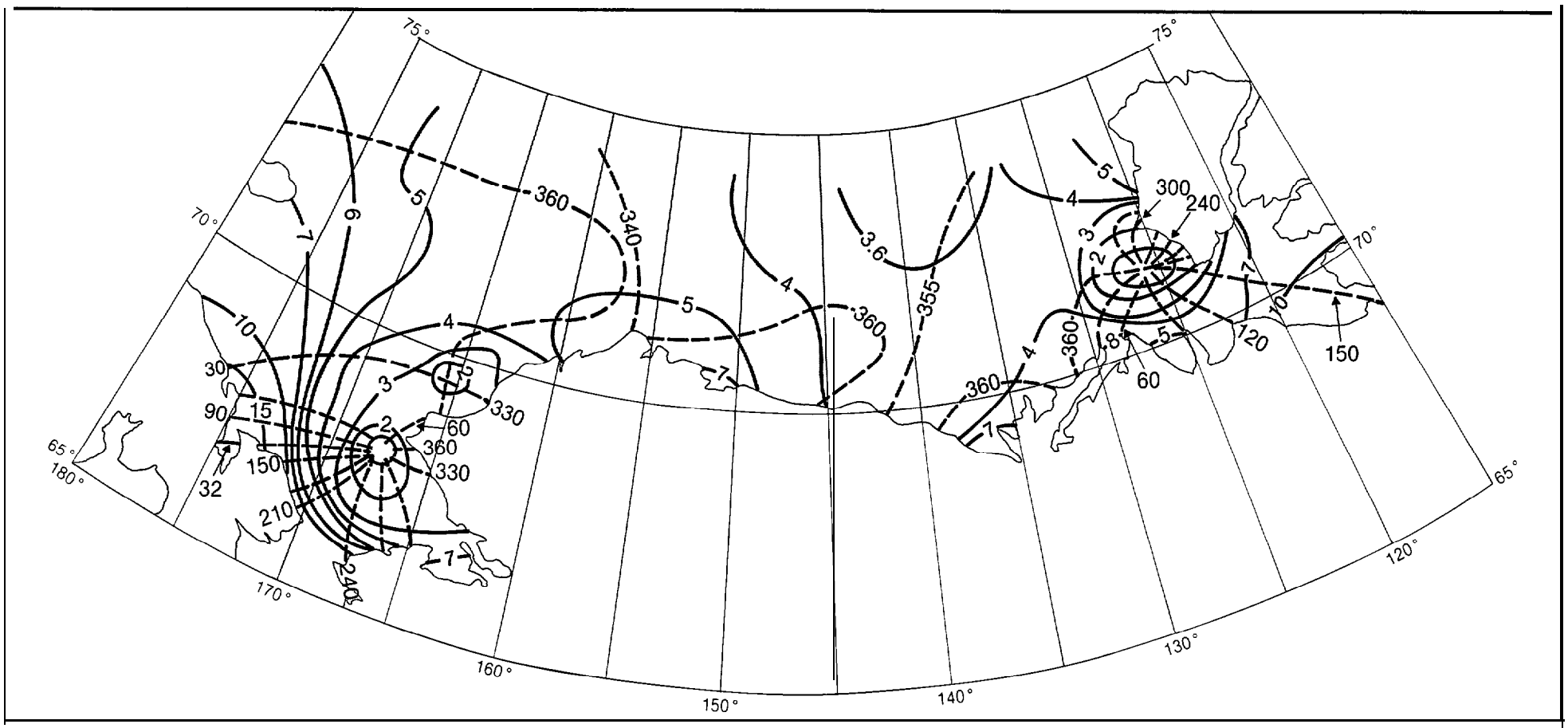


Figure 17. M_2 Tide, Cotidal, and Corange-Beaufort and Chukchi Seas

Legend

Cotidal (broken) and corange (continuous) lines of the M_2 tide. Phase angles (degrees) are referred to Greenwich (solar time); amplitudes are given in centimeters.

Source: Kowalik and Matthews, 1982.

The practical study of tides, aimed at predicting surface elevations and times, involves the empirical treatment of observations made at the desired location over an extended period of time. The motion of the heavenly bodies, particularly the sun and the moon, relative to the earth is known with great precision, so the tide generating potential at any place and time can be computed. Mathematically the potential can be resolved into a finite number of strictly periodic components which, upon addition, produce the total potential of hundreds of tide-generating components that are listed by various authors. Many of the components are of insignificant amplitude and can be excluded from consideration. In practice only seven components are widely used: four semidiurnal (M_2, S_2, N_2, K_2) and three diurnal components (K_1, O_1, P_1) (McLellan 1965). The names and relative weights of these components are shown in Figure 16.

Theoretical models of tides must beverified on the strength of observations at tidal stations where the tide wave has been distorted through passage over a continental shelf of complex topography. There have been some scattered observations of tides along the Chukchi and Beaufort sea coasts around the turn of the century and in the last 20 years. All available data are considered too sparse to draw a consistent picture of the tide distribution in the Beaufort and Chukchi Seas. As an effort to partially rectify thissituation, apatternofthe M_2 component was generated, using the equations of motion and continuity in spherical coordinates, by Zygmunt Kowalik and J.B. Matthews (1982). The results of their computations of cotidal and corange are shown in Figure 17. Keep in mind that the M_2 component is not the whole tide but is the largest of the components going to make up the tide. Actual astronomical tide ranges are about half a foot along the Chukchi and Beaufort sea coasts from Cape Lisburne to Barter Island. The tide range in Kotzebue Sound is greater at 2 to 2½ ft and in the eastern Beaufort Sea and Amundsen Gulf tide ranges are slightly more than 1 ft.

SYMBOL	NAME OF PARTIAL TIDE	COEFFICIENT RATIO
M_2	Principal Lunar	100.0
S_2	Principal Solar	46.6
N_2	Larger Lunar Alliptic	19.2
K_2	Luni-Solar Semi-Diurnal	12.7
K_1	Luni-Solar Diurnal	58.4
O_1	Principal Lunar Diurnal	41.5
P_1	Principal Solar Diurnal	19.4

Contracted from table 15.1, Elements of Oceanography (McLellan 1965).

Figure 16. Tide Generating Components

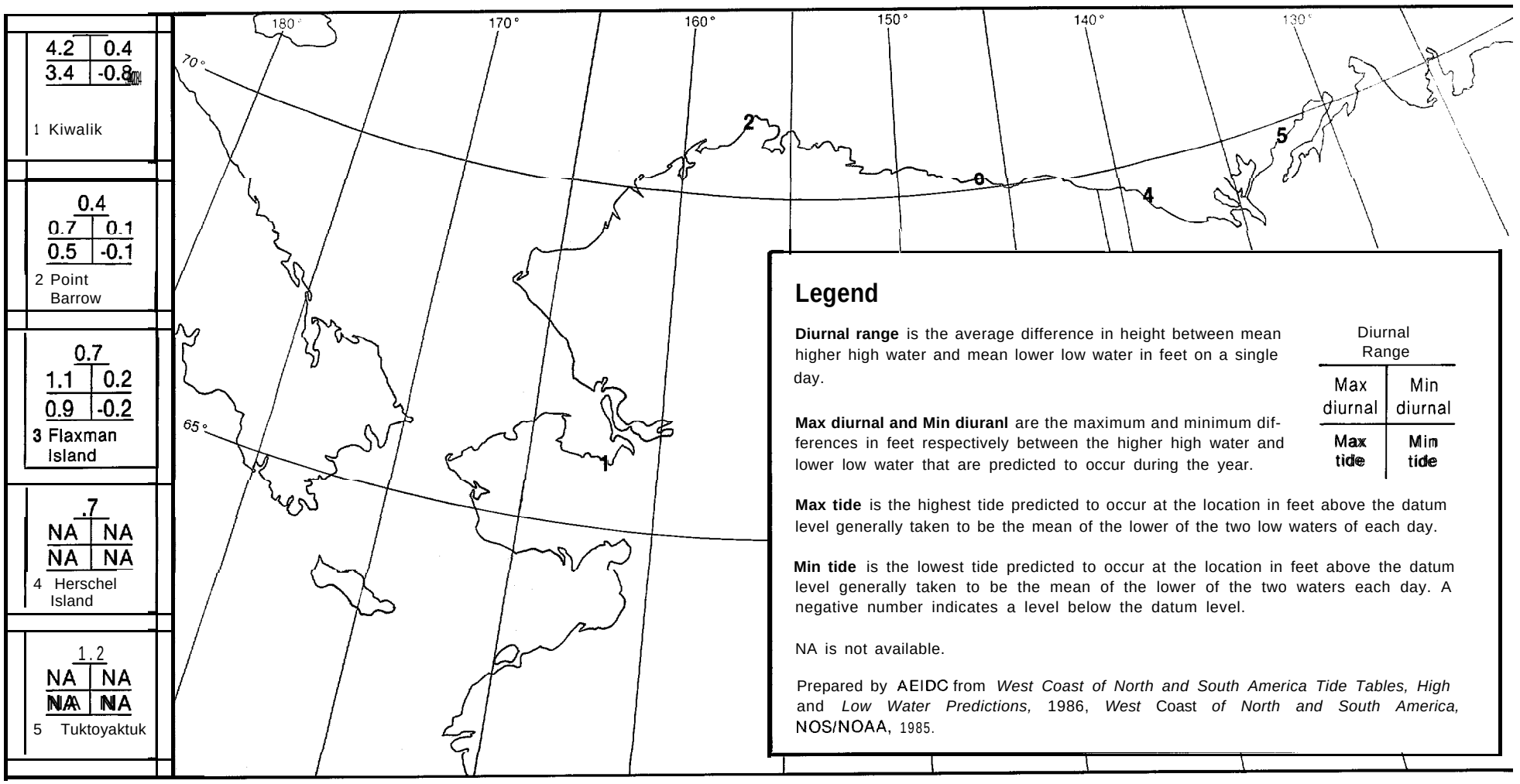


Figure 18. Tide Data

Storm Surges

Storm surges are oscillations in the period range of a few minutes to a few days, in a coastal or inland water body, resulting from forcing from atmospheric weather systems (Murty 1984). By this definition, wind-generated waves (often referred to as wind waves) and swell, which have periods of several seconds, are excluded. The spectrum of storm surge waves is centered around 10^{-4} cycles per second (CPS), which gives a period of about three hours. However, depending mainly on the topography of the water body and secondarily on other parameters, such as the direction of movement of the storm, strength of the storm, stratification of the water body, presence or absence of ice cover, and nature of tidal motion in the water body, the periods of the water level oscillations may vary considerably. Even in the same water body, storm surge records at different locations can exhibit different periods. Although storm surges belong to the class known as long waves, as do astronomical tides and tsunamis, there are at least two important differences. First, whereas tides and tsunamis occur on an oceanic scale, storm surges are simply a coastal phenomenon. Second, significant tides and tsunamis cannot occur in an enclosed, small, coastal or inland water body, but storm surges can occur even in lakes, or in canals and rivers. The range or height of a storm surge depends not only on characteristics of the storm but also on the topography onshore and bathymetry offshore. Shallow water bodies generally experience surges with greater ranges. Also, the height of a storm surge is less if the sea floor is steep than if there is a shallow slope to the sea floor (Murty 1984). Storm characteristics that effect the height of a surge include atmospheric pressure; wind speed, direction, and length of fetch; the latitude; and the direction and speed of storm movement. Air and water temperature differences also affect the height of surges.

Beaufort Sea Coast

The Beaufort Sea coast from Point Barrow east to Demarcation Point is of low relief, 15 ft or less, characterized by extensive deltas of major rivers and numerous smaller streams. The sea floor slopes gently to the 100 m line about 50 mi offshore. These hydrographic conditions are very favorable for storm surge flooding. The timing of storm surges in relation to high and low tide is generally irrelevant since meteorological tides or storm surges far exceed the astronomical tide ranges, which are less than a foot (30 cm). Storm surges are more likely to occur from August to October, the open water season along the Beaufort Sea coast. In some years the ice is well north of the coast, allowing for a long fetch for westerly to northwest winds in storms moving west to east along a track well north of the coast. The variation in the extent of open water north of the coast determines to a large extent the development of the wind fetch needed for storm surges. In some years the ice never moves more than a few miles offshore and the open season is very short; e.g., the 1975 season. In other years the ice edge may be well over 100 mi offshore, allowing for a well-developed wind fetch and higher surges. Surges of a meter (3 ft) or so are quite common, and surges of over 3 m (10 ft) have been observed, particularly from driftwood lines. In 1970 a storm occurred which deposited driftwood on long stretches of beach up to a maximum height of 3.4 m (11 ft) above sea level. This event was judged by Reimnitz and Mauerer (1979) to be the highest surge at least since 1890 and possibly represented a 100-year event.

There have been several known cases of storm surges in winter in which cracking of ice occurred and water and ice have come onshore. The most likely tracks for storms that cause surges are from the Bering north-northeast through the Chukchi Sea, then eastward; or eastward from north of Siberia toward Banks Island. (Figure 19) Negative surges have also occured with high pressure and persistent easterly winds, which move water away from the coast to the right of the wind. These can be a hazard in shallow coastal areas such as Prudhoe Bay, where barges, etc., may ground with a negative surge. NOAA Nautical Chart, No. 3 (NOAA 1983), indicates possible negative surges of 0.8 m (2.6 ft) along the coast.

Chukchi Sea Coast

The northern part of the area is generally of low relief, covered with numerous shallow lakes from Point Barrow to Point Lay. The onshore terrain becomes more rugged south to Cape Lisburne and Point Hope. The topography is very rugged at the west end of the Brooks Range. Offshore the ocean floor is gently sloping, except for the areas west of Point Hope and northwest of Point Barrow.

The area most susceptible to storm surge flooding is north from Point Lay. Nearshore, surface currents flow primarily toward the northeast, parallel to the coast. Strong southwest storm winds tend to accelerate this current causing a net transport of surface water to the right toward the coast. Storms moving from the west or southwest can develop sufficient fetch for surges up to 3 m (10 ft) during the ice-free period from July to October. Shorefast ice forms along the entire coast in late October and early November, and ice also forms over the open sea, thereby diminishing the occurrence of storm surges. Known cases of storm surge flooding have been from August to about mid-October. A surge up to 3.5 m (11 ft) occurred at Barrow in October 1963 and was judged to be a 125-year event. For the most part, surges of 2 to 3 m are considered to be lo-year events (Lewbel and Gallaway 1984).

Kotzebue Sound

The north shore of Kotzebue Sound is of moderate relief, becoming less rugged to the east and south. Offshore the sound is generally shallow, less than 20 m with the exception of a deeper channel offshore from Cape Espenberg, at the entrance to the sound. These conditions are favorable for the development of storm surges. Most storm surges occur in late summer and fall. From November to May the sound is generally ice-covered, which reduces the effects of storm surges. However, there have been several occurrences of flooding on top of the shorefast ice in the area. Storm tracks from surge-causing storms can be either from the south (from Bering Seatosouthern Chukchi Sea) or from the northwest (from the open waternorth of Siberia to Kotzebue Sound). See Figure 19.

Northwest Coast of Seward Peninsula

Onshore topography is generally of low relief. A string of barrier islands lies offshore. Offshore bathymetry hasvariableslope, with the 20 m isobath anywhere from 5 to 25 mi offshore. Prevailing ocean currents are generally parallel to the coast near shore. Southwest winds in the eastern quadrant of storms moving northward tend to accelerate this current, causing beach erosion as well as storm surge. Storm surges and beach erosion are, for the most part, limited to the ice-free season from June to November.

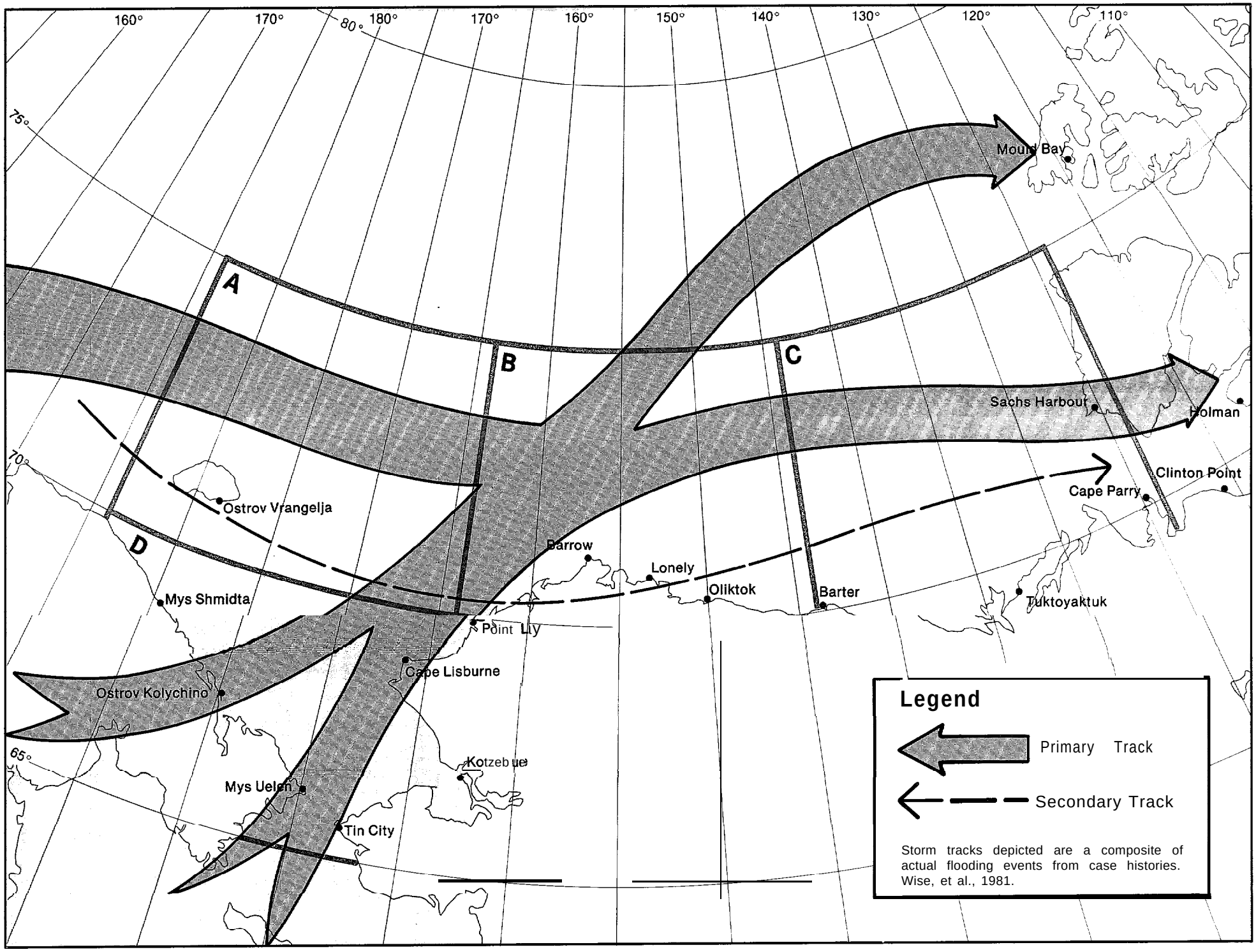


Figure 19. Storm Tracks with Storm Surge Floods

Superstructure Icing

Structural icing on ships, offshore structures, and port facilities isawintertime hazard in open waters and coastal sections of Alaska. The icing causes slippery decks, renders moving parts inoperable, and, in extreme cases, causes uneven loading and raises the center of gravity on small ships. Accumulation of ice on rigging and on deck equipment such as crab pots also increases wind effects because a larger surface area is presented to the wind. Ice forming on structural surfaces above or close to a body of water arises principally from sea spray (Nauman and Tyage 1985; Liljestrom 1985), with lesser amounts from atmospheric precipitation (freezing rain and wet snow) and fog (arctic sea smoke, white frost, black frost). Sea spray, the most dangerous source of icing, is produced by the breaking of waves against obstacles such as ships' hulls, other floating objects, shore structures, and, possibly, other sources (Minsk 1977).

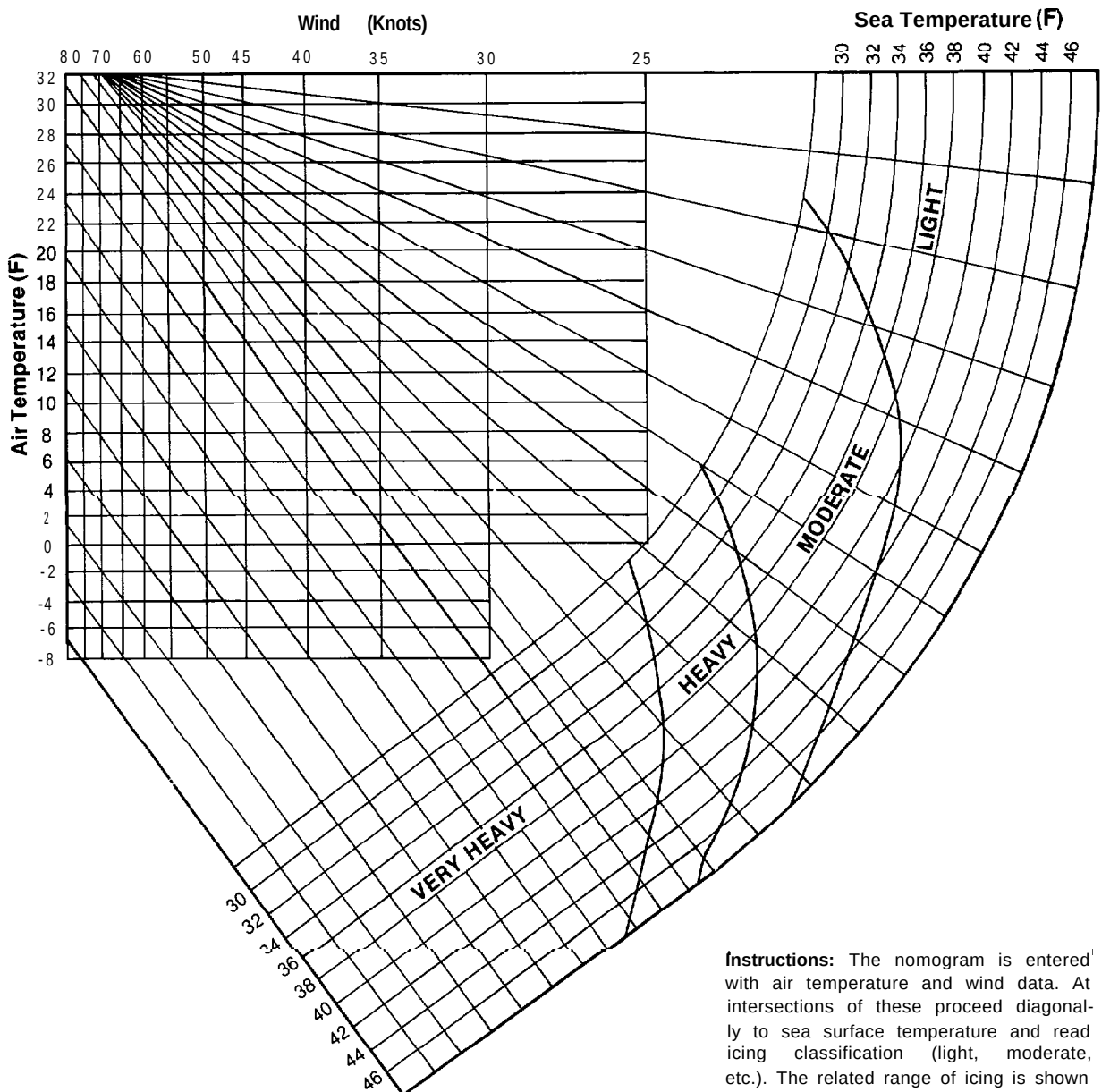
Statistical analysis (Borisenkov and Panov 1972) of more than 3,000 cases of ship icing indicates that in 86% of the cases icing was caused by ocean spray alone. Spray combined with fog, rain, or drizzle (liquid sources) accounted for only 6.4% of the cases, and spray combined with (solid source) snow only 1.1%. The cases of icing attributable only to fog, rain, or drizzle account for 2.7% (Minsk 1977). In the remainder of icing cases data were not sufficient to determine the cause.

Since the overwhelming majority of superstructure icing on ships and offshore structures is from sea spray, the remainder of this section will concentrate on this type of icing. Since a ship can present different aspects to the wind and spray, it is to beexpected that the amount of spray reaching the ship will vary: Russian observations (Kultashev, et al. 1972) showed that the greatest frequency of spray and, therefore, icing occurs when a ship is heading into the wind at an angle between 15" and 45". Asymmetrical icing occurs under this condition, with the greater accumulation on the windward side. Less icing occurs with the ship headed directly into the wind, and then accumulation tends to be uniform. With ships heading downwind, spray icing is generally much less than at other angles. In developing the nomogram for forecasting spray icing potential, downwind cases (those for which the ship's heading was 120" or greater off the wind) were not used.

Meteorological/oceanographic conditions necessary for significant spray icing are water temperatures less than 8°C, winds of 25 knots (13 meters per second) or more, and air temperatures less than -2°C (28°F, the freezing temperature of seawater of average salinity). Generally, the stronger the wind, and the colder the air and water, the higher the rate of icing on comparable vessels or structures. In some cases, however, where the wind fetch is not sufficient to fully develop waves, icing rates are lower.

The accompanying potential superstructure icing rate nomogram (Figure 20) is a modification of that shown in Wise and Comiskey (1980), using the open cases appearing in Pease and Comiskey (1985), developed

Figure 20. Superstructure Icing Rate Nomogram



Instructions: The nomogram is entered with air temperature and wind data. At intersections of these proceed diagonally to sea surface temperature and read icing classification (light, moderate, etc.). The related range of icing is shown in the table below.

Icing Classification	Rate per Hour
Light	0 to .3 inches
Moderate	.3 to .8 inches
Heavy	.8 to 2 inches
Very Heavy	2 inches

Adapted from Wise and Comiskey, 1980, using data from Pease and Comiskey, 1985.

from icing case histories in the Gulf of Alaska and southern Bering Sea. Icing intensities in inches per hour are also from Pease and Comiskey (1985). If a vessel experiencing icing takes evasive action (i.e., changes heading, reduces speed, seeks shelter, etc.), icing rates experienced would probably be less. The potential superstructure icing rate nomogram (Figure 20) was developed from icing case histories in the Gulf of Alaska and southern Bering Sea. We know of no set of case histories of icing north of the Bering Strait.

Kozo (1985), in assessing the possible occurrence of superstructure icing in the Chukchi Sea, shows no chance of spray icing in the Chukchi Sea or, presumably, the Beaufort Sea from December through April because the entire area is covered with sea ice during those months. In May, moderate to heavy icing is possible just north of the Bering Strait under conditions of minimum sea iceextent, minimum air temperature, and winds over 28 knots. The possibility of moderate to heavy superstructure icing spreads northward in the Chukchi Sea to 72°N, with minimum sea ice, in June. In July, the air temperatures are too warm for more than light to moderate superstructure icing over all the area, except near the pack ice edge. Under extreme conditions of minimum ice and minimum air temperature, moderate to heavy icing may occur north of 70°N. In August, as air temperatures begin to cool off in the Beaufort and northern Chukchi Seas, the possibility of moderate icing increases under extreme conditions of minimum air temperatures and pack ice extent, and winds of 28 to 50 knots. In September, the area in which possible heavy superstructure icing is greatest extends from the pack ice edge south to Cape Lisburne and the Siberian coast. Light to moderate icing is possible south to the Bering Strait under extreme conditions. By October and November, the seasonal advance of the pack ice limits the possibility of icing of all intensities to the Chukchi Sea.

-3.9	-8.7	
23.3	-40.6	
12.08		
5.79	1.93	
54.7		
34.4	8.6	
34		
N	15.4	
SSE	70	

1 Tin City

-2.9	-9.9	
25.6	-44.4	
8.05		
4.36	1.80	
31.9		
20.3	NA	
21		
NA	NA	
NA	NA	

2 Shishmaref

-2.6	-9.8	
29.4	-46.7	
8.53		
5.18	1.78	
45.5		
23.9	10.0	
53		
E	13.0	
E	72	

3 Kotzebue

-5.6	-10.4	
23.3	-43.9	
11.41		
6.98	1.84	
41.9		
35.5	12.0	
45		
E	9.4	
SSE	80	

Cape Lisburne

-7.1	-14.4	
25.6	-48.3	
6.58		
6.24	1.54	
20.9		
9.9	3.0	
24		
ENE	10.4	
NA	NA	

Point Lay

-8.4	-15.1	
26.7	-48.9	
5.75		
9.29	4.00	
17.4		
11.8	4.0	
15		
E	8.7	
NA	NA	

6 Wainwright

-9.8	-15.7	
25.6	-48.9	
4.75		
2.81	1.00	
27.9		
21.2	15.0	
30		
E	11.8	
SW	60	

7 Barrow

-8.6	-14.9	
27.2	-48.3	
2.93		
1.52	0.73	
16.9		
9.1	4.2	
11		
NA	NA	
NA	NA	

8 Lonely Point

-9.2	-16.6	
23.9	-45.0	
5.39		
3.92	3.00	
18.8		
12.3	3.0	
10		
NA	NA	
NA	NA	

9 Oliktok

-9.3	-15.6	
25.6	-50.6	
6.49		
4.91	2.25	
42.1		
35.8	17.0	
47		
E	13.2	
W	75	

10 Barter Island

-7.6	-15.3	
30.0	-50.0	
5.35		
NA	(1.75	
23.7		
NA	6.0	
NA		
NA	NA	
NA	NA	

1 Komakuk Beach

-6.2	-14.5	
30.1	-52.2	
8.44		
NA	12.23	
35.8		
NA	7.0	
NA		
NA	NA	
NA	NA	

12 Shingle Point

-7.3	-14.5	
30.0	-50.0	
5.42		
NA	11.16	
25.7		
NA	5.0	
NA		
E	9.5	
NA	NA	

13 Tuktoyaktuk

-8.5	-15.4	
30.6	-48.3	
4.31		
NA	11.13	
16.0		
NA	4.0	
NA		
E	10.8	
NA	NA	

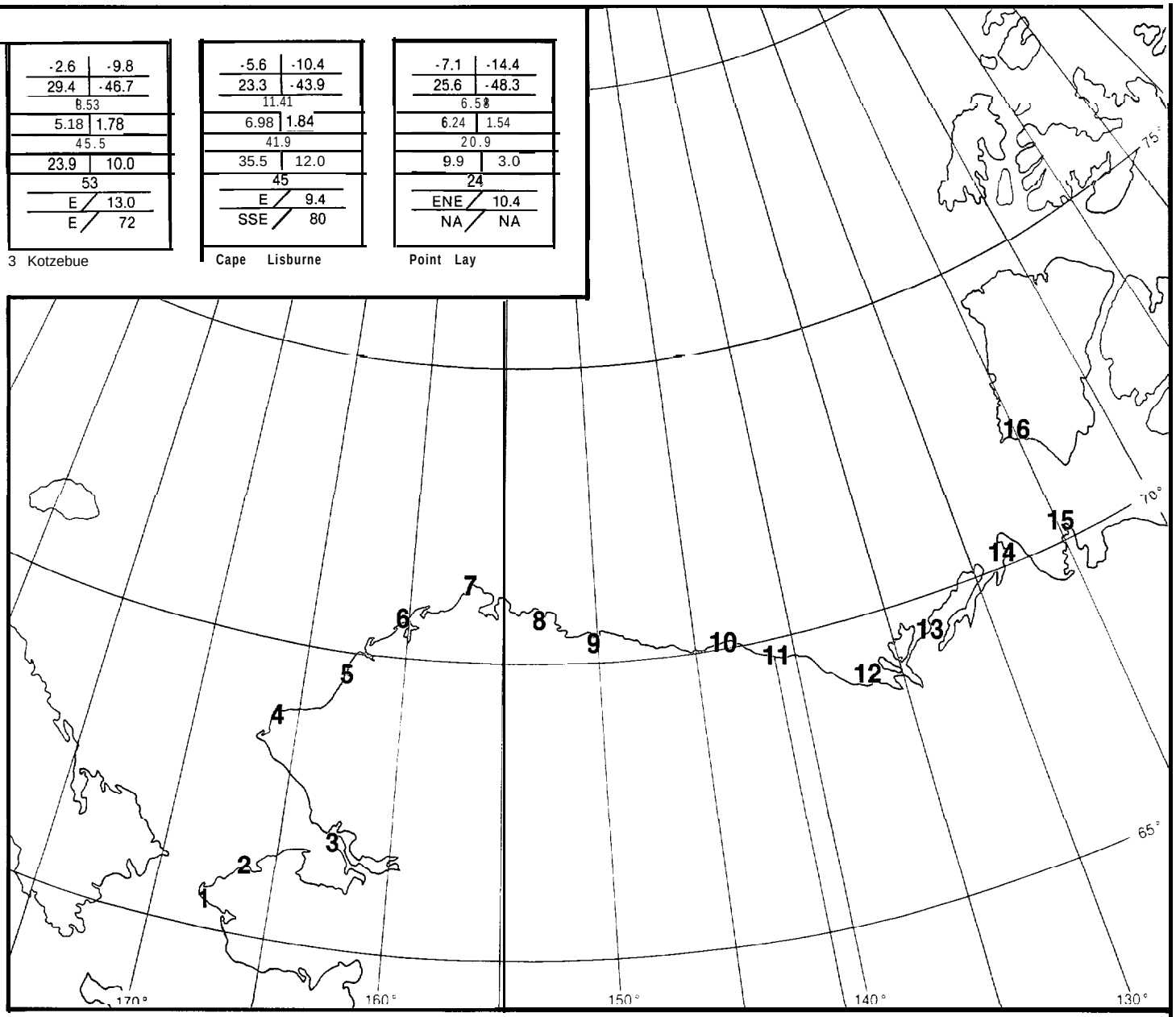
14 Nicholson Peninsu

-9.5	-15.3	
25.0	-47.2	
6.15		
NA	(1.39	
49.6		
NA	6.0	
NA		
E	10.7	
NA	NA	

15 Cape Parry

-10.8	-17.4	
22.2	-52.2	
4.50		
NA	0.86	
29.2		
NA	8.4	
NA		
SE	11.1	
NA	NA	

16 Sachs Harbour



Legend

Temperature-c-

Total Precipitation → 61.19 / 17.34 | 5.49

Snowfall -- 99.2 / 54.8 | 17.0

Snowdepth → 34

Surface Wind → WSW / 13.1 ; SW / 109

Where the mean annual temperature (average of the mean annual maximum and minimum) is less than zero some type of permafrost will probably be present.

These data can be used for long-range planning and design criteria. More detailed information can be obtained from the National Climatic Data Center and the Arctic Environmental Information and Data Center in Anchorage.

NA = Information is not available

Prepared from NOAA/NESDIS and Canadian AES data.

Temperature(%)	
17.6 | 3.6	Mean Annual Maximum | Mean Annual Minimum
22.2 | -14.4	Highest | Lowest
Total Precipitation (inches) (Rain and Snow)	
114.30	Average Annual
34.87 | 7.59	Greatest Month | Greatest Day
Snowfall (inches)	
58.5	Average Annual
46.9 | 14.2	Greatest Month | Greatest Day
Snow depth (inches)	
40	Annual Maximum on Ground
Surface Wind (knots)	
SSE / 9.3	Prevailing Direction Average Annual Speed
SSE / 52	Fastest Direction and Speed

Figure 21. Climatic Means and Extremes

Hypothermia

Hypothermia is the cooling of the body's core temperature to 95°F or below. It can cause shivering, numbness, and disorientation. In the extreme it can cause death. The body loses heat gradually in cold, dry conditions, but quickly becomes hypothermic in wet conditions. Rain, immersion in cold water, and perspiration can all cause rapid heat loss. However, the evaluation and treatment of hypothermia, whether wet or dry, on land or water, is essentially the same, namely to warm the victim by whatever appropriate means are available.

The following discussion was taken in part from Peters (1982).

The body loses heat in five ways:

- A large amount of heat is lost from the body in respiration. Exhaled warm air is replaced by cooler inhaled air, producing a net heat loss. The amount of the net heat loss can be reduced by covering the mouth/nose with wool or fur, thereby "prewarming" the inhaled air as it passes through the material which has been warmed by exhaled air and by heat radiating from the body.

- Evaporation of perspiration from the skin and moisture from the lungs contributes greatly to the amount of heat lost by the body. Although evaporation cannot be prevented, the amount of evaporation (and therefore cooling) can be controlled. Wearing clothing that can be opened or removed easily for ventilation will let water vapor escape and not condense to liquid water in the clothing. Keeping clothing dry preserves its insulating value and reduces heat loss.

- Sitting on snow, touching cold equipment, and being rained upon are all examples of how heat can be lost as a result of conduction. If an individual becomes wet a tremendous amount of body heat is lost rapidly. Deaths have occurred as a result of immersion in water below 40°F—body temperature could not be maintained. Although not as immediately serious, perspiration, rain, or wet snow should never be allowed to saturate articles of clothing, as this seriously reduces their insulating properties.

- Radiation causes the greatest amount of heat loss from the body from uncovered surfaces, particularly the head, neck, and hands. Coverage of these areas, therefore, is extremely important in keeping warm.

- The body continually warms (by conduction) a thin layer of air next to the skin. If the warm layer is removed by wind or air currents (advection), the body is cooled. The primary function of clothing is to retain this layer of warm air next to the skin by enclosing air in cell walls or between numerous fibers, while allowing water vapor to pass outward. Heat is lost rapidly with the lightest breeze unless the proper type of clothing is worn to prevent the warm air from being advected away.

Deaths have been attributed to a loss of body heat at temperatures of 40°F, with a 30 mph breeze. Under these conditions, the cooling effect on the skin is equal to that of much lower temperatures due to increased evaporation and convection. With lower temperatures and/or strong winds, cooling occurs even more rapidly. Wind protection and insulation (dead air space) can help ensure that body heat is retained at a safe level.

Treatment

Recognition and proper treatment of hypothermia must be prompt. Delays even after rescue can cost a person his life. Low body temperature is the best indication of hypothermia. Blood pressure and pulse are also good indicators. The pulse is generally slow and irregular, while blood pressure is low.

The hypothermia victim is pale in appearance, the pupils are constricted and react poorly to light, and respiration is slow and labored. He will usually be shivering violently, with frequent muscular rigidity. There may also be an appearance of intoxication.

Emergency treatment must begin as soon as possible to stop the drop in body temperature. Wet clothing should be removed. If the body temperature is 97 °F or above, no treatment other than dry clothing and moving the victim to a warm area is generally necessary. If these are not available, the wet clothing should not be removed.

Combatting "afterdrop" in the core body temperature is extremely important. When heat is applied to the arms and legs, it causes those blood vessels to relax. This allows cold blood to flow back into the body core, further cooling the vital organs. Warming of the trunk of the body should be the prime concern.

During experiments in conjunction with the U.S. Coast Guard, researchers determined that the best warming technique was from the inside out, by having the victim breathe moist, warmed oxygen (Wilson 1976).

The next best treatment is a hot bath, with the water temperature between 90 and 100°F. If a tub is not available, an inflated life raft could be used. If possible, the limbs should remain out of the water. When no tub-type facility is available, a hot (115°F) shower while wrapped in towels or blankets is preferable.

When hot water for a tub or shower is unavailable, wrap the victim in blankets in a warm room with a heating pad or well-wrapped hot water bottle on the chest, or apply body warmth by direct contact with a rescuer.

Warm liquids may be given, but care must be taken to insure the victim is conscious and does not breathe the liquid into his lungs. Alcohol should never be given because it causes "afterdrop." Observe the victim's respiration closely and monitor for vomiting.

It has been learned in studies done in Alaska that victims of wet hypothermia can survive for a prolonged time in cases of deep cooling. Apparently, in the rapid cooling which occurs with wet hypothermia, physiological changes undergone by the body are more likely to be reversible than in the slower cooling of dry hypothermia. There have been victims of immersion hypothermia who were apparently dead but revived with proper treatment.

Wind Chill (Equivalent Temperatures)

The temperature of the air is not always a reliable indicator of how cold a person will feel outdoors. Other weather elements, such as wind speed, relative humidity, and sunshine (solar radiation), also exert an influence. In addition, the type of clothing worn, togetherwith the state of health and the metabolism of an individual, influence how cold a person will feel. Cooling may be described as loss of heat from exposed flesh. Freezing occurs when there is such total heat loss that ice forms in the exposed tissues. Thecooling powerof theatmosphere(bywind)is primarily heat transfer by advection-in human cases, by exposure of uncovered flesh to the environment. Even small amounts of air movement have considerable chilling effect because this movement disrupts or removes the thin layer of warmed air that builds up near and about the body. This air movement leads to loss of total heat, since heat is transferred from the core of the body to rewarm the new colder air, replacing that blown away. Therefore, wind chill not only leads to frostbite locally, but may contribute to general hypothermia.

Equivalent Wind Chill Temperature

Wind Speed knots	Wind Speed km/hr	Cooling Power Of Wind Expressed As "Equivalent Chill Temperature" — Temperature (°C)																		
Calm		12	8	4	0	-4	-8	-12	-16	-20	-24	-28	-32	-36	-40	-44	-48	-52	-56	-60
		Equivalent Chill Temperature																		
3	6	12	8	4	0	-4	8	12	16	-20	-24	-28	-32	-36	-40	-44	-48	-52	-56	-60
5	10	9	5	0	-4	-8	-13	-17	-22	-26	-31	-35	-40	-44	-49	-53	-58	-62	-67	-71
11	20	5	0	-5	-10	-15	-21	26	-31	-36	-42	-47	-52	-57	-63	-68	-73	-78	-84	-89
16	30	3	-3	-8	-14	-20	-25	-31	-37	-43	-48	-54	-60	-65	-71	-77	-82	-88	-94	-99
22	40	1	-5	-11	-17	-23	29	-35	-41	-47	-53	-59	-65	-71	-77	-83	-89	-95	-101	-107
27	50	0	-6	-12	-18	-25	-31	37	43	-49	-56	-62	-68	-74	-80	-87	-93	-99	-105	-112
32	60	0	-7	-13	-19	-26	-32	39	45	-51	-58	-64	-70	-77	-83	-89	-96	-102	-109	-115
38	70	-1	-7	-14	-20	-27	-33	40	46	-52	-59	-65	-72	-78	-85	-91	-98	-104	-111	-117
43	80	-1	-8	-14	-21	-27	-34	-40	-47	-53	-60	-66	-73	-79	-86	-92	-99	-105	-112	-118
49	90	-1	-8	-14	-21	-27	-34	40	-47	-53	-60	-66	-73	-79	-86	-92	-99	-105	-112	-118
54	100	-1	-8	-14	-21	-27	-34	-40	-47	-53	-60	-66	-73	-79	-86	-92	-99	-105	-112	-116
		Little Danger					Increasing Danger (Flesh May Freeze Within 1 Minute)								-Great Danger (Flesh May Freeze Within 30 Seconds)					
		Danger of Freezing Exposed Flesh For Properly Clothed Individuals																		

Figure 22. Equivalent Wind Chill Temperature

Adapted from NWS/NOAA Technical Procedures Bulletin No. 165. Effective Temperature (Wind Chill Index) 1976.

During the antarctic winter of 1941 Siple and Passel developed a formula to determine wind chill from experiments made at Little America (Siple and Passel 1945). The formula relates heat loss (H) from an object or person to wind speed and to the difference in temperature between the air and the object or person (DT). It is measured in heat units (calories) per unit area over time. The skin temperature of most people is approximately 33 °C (91.4 "F). Heat losses for the human body can then be computed for any combination of wind and temperature. Equivalent temperature is based on calm conditions and a person walking vigorously at 3 knots (4 mph). Each combination of wind and air temperature produces a heat loss H. The equivalent temperature is that temperature that would compute the same heat loss at a wind of 3 knots. The accompanying chart, figure 22, shows equivalent wind chill temperatures in °C for various combinations of winds in knots or kmlhr and temperatures.

Concepts in the following discussion of wind chill are from an appendix to an article by William J. Mills, Jr., M.D., as published in Alaska Medicine (1973). Dr. Mills is still active in the treatment of cold injuries in Alaska.

Almost everyone knows that the increased speed of wind may cause increased danger of skin freezing. Many assume that the increase in wind speed causes the ambient air temperature to fall lower.Thisisnotso.Whatdoesoccurisair movement, so that warmed air is moved away from the individual exposed to the wind, causing first local, then general body cooling. Any resultant decrease of skin temperature is due to heat loss, insidious or sudden. Local vasoconstriction, vascular shunting, and cellular changes take place; eventually ice forms in the tissues, with true tissue freezing or frostbite.

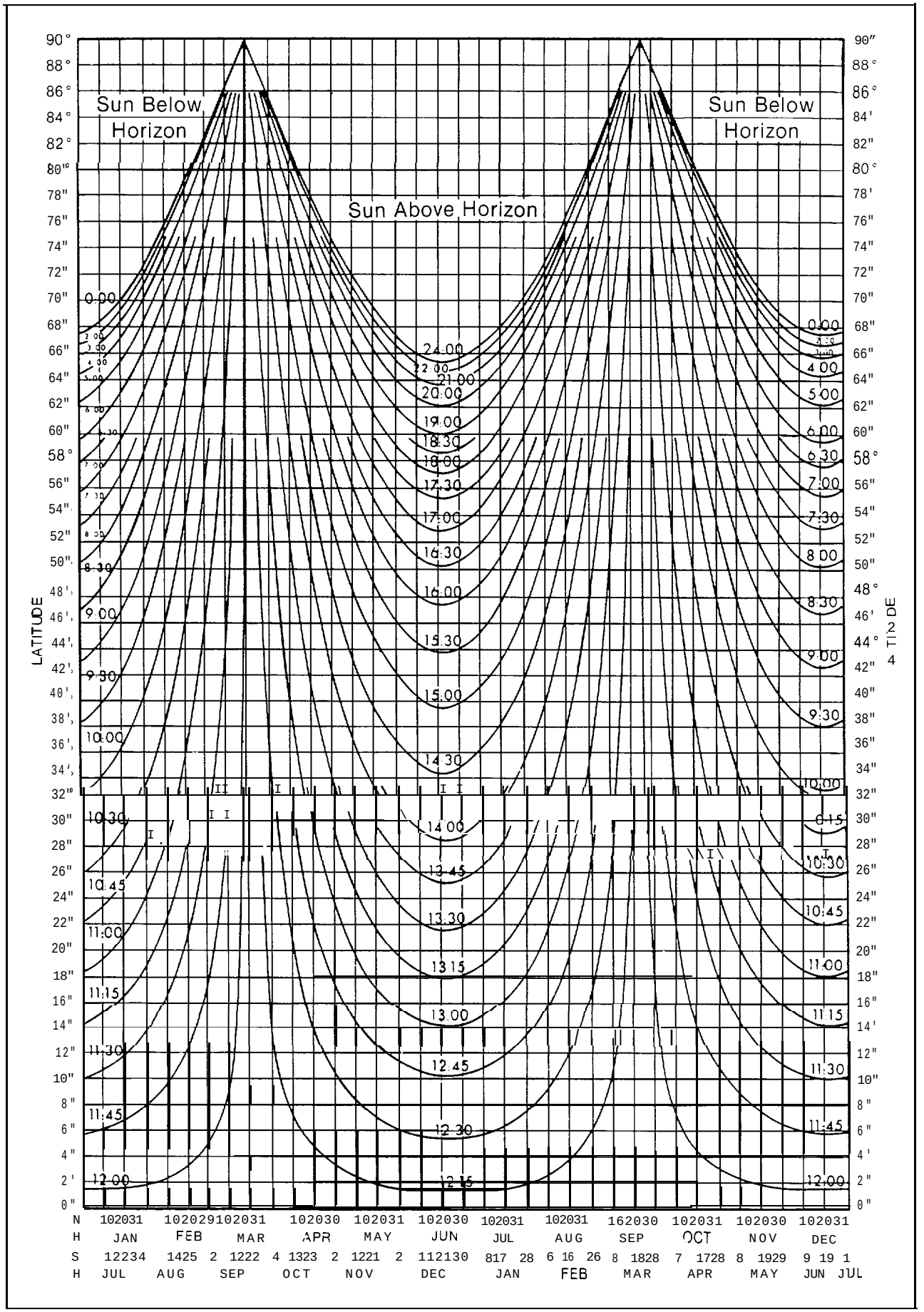
This phenomenon can be readily proved. Place a laboratory recording thermometer with a thermistor attached (or any outdoor thermometer) out your car window on a calm day when the temperature is, say, -20°C (-4°F)—just a nice winter day in Anchorage, Alaska. Let it sit for a few minutes until the temperature reading has stabilized. This temperature, as read, will remain at the ambient air temperature level. Now slowly accelerate your vehicle to 80 kmlhr (50 mph); the temperature remains unchanged at -20°C (-4°F). Now attach the thermistor to your bare hand. Place your ungloved hand out the same car window in the same ambient temperature of -20°C (-4°F). After a few minutes at 0 kmlhr, the skin temperature may be read at approximately 93°F (normal skin temperature in the nonsmoker). Your skin temperature will drop as heat is lost to the exterior, sometimes falling as low as 85" to 80°F very rapidly. As the car is accelerated and the warmed air layer is moved away, the thermistor records skin heat loss. If you continue driving, your skin temperature may drop to a level near 23°F (-5°C), the temperature at which freezing of skin may actually occur.

Wind chill may occur not only from natural wind, but also with air movement generated by automobile, snowmobile, aircraft, or helicopter rotoblade. These vehicles may predispose passengers to frostbite or general hypothermia.

Section II:
Marine and Coastal Climatic Atlas

by William A. Brower, Jr., Ronald G. Baldwin,
and Claude N. Williams, Jr.

Figure 23. Duration of Daylight



Volume III

The following stations and representative marine areas have data plotted for analysis and graphics.

Land Stations	Lat.(°N)	Long.(°W)	Data Processed	No. of Obs.	No. of Obs./Day
Barrow	71.3	156.8	Jul 1948-Apr 1985	221,998	8-24
Barter	70.1	143.6	Jan 1949-Apr 1985	215,560	8-24
Buhta Ambarchik*	69.6	162.3E	Jan 1959-Dec 1963; + Jan 1969-Apr 1985 +	35,323	8
Cape Billingsa*	69.9	176.1E	Jan 1959-Dec 1963; Jan 1969-Apr 1985 +	32,418	8
Cape Lisburne	68.9	166.1	Aug 1952-Dec 1971; Jan 1973-Apr 1985	246,746	19-24
Cape Parry	70.2	124.7	Jan 1956-Dec 1983	231,514	8-24
Cape Young*	68.9	116.9	Jan 1953-Oct 1967	9,873	2
Cetyrehstolbovoj*	70.6	162.4E	Jan 1959-Dec 1968; Jan 1973-Apr 1985	48,062	8
Clinton Point	69.6	1 20.8	Jan 1973-Dec 1983	53,551	4-24
Holman	70.7	117.8	Jan 1958-Dec 1983	51,523	4-24
Komakuk Beach*	69.6	140.2	Aug 1973-Dec 1983	17,185	4-8
Kotzebue	66.9	162.6	Jan 1945-Apr 1985	255,392	8-24
Lonely	70.9	153.2	Jul 1957-Apr 1985	40,243	4
Mould Bay	76.2	119.3	Jan 1953-Dec 1983	133,752	8-24
Mys Shmidta	68.9	179.5	Jan 1959-Apr 1985 +	55,146	8
Mys Uelen	66.2	169.8	Jan 1959-Apr 1985 +	55,053	8
Nicholson*	69.9	129.0	Aug 1973-Dec 1983	17,123	4-8
Oliktok	70.5	149.9	Aug 1957-Apr 1985	38,955	4
Ostrov Kolychino	67.5	174.6	Jan 1959-Dec 1963; Jan 1969-Apr 1985 +	33,418	8
Ostrov Ratmanova*	65.8	169.1	Jan 1959-Dec 1963; Jan 1969-Sep 1984 +	13,838	4
Ostrov Vrangelja	71.0	178.5	Jan 1959-Dec 1968; Apr 1970-Apr 1985 +	51,312	4-8
Point Lay	69.7	163.0	Aug 1957-Apr 1985	38,643	4
Sachs Harbour	72.0	125.3	Nov 1955-Dec 1983	129,276	8-24
Shingle Point*	68.9	137.3	Aug 1973-Dec 1983	17,155	4-8
Tin City	65.6	167.9	May 1953-Dec 1971; Jan 1973-Apr 1985	246,842	19-24
Tuktoyaktuk	69.5	133.0	Jan 1958-Dec 1983	38,032	4
Valkarkay*	70.1	171.0E	Jan 1959-Dec 1968; Jan 1973-Apr 1985	35,460	8
Zaliv Kresta*	66.4	179.1	Jan 1960-Apr 1985 +	54,124	8

+ Period excludes Jul 1971-Dec 1972.
*Stations used for isopleth analyses only; no graphics produced.

Representative Marine Areas	Lat.("N)	Long.(°W)	Data Processed	No. of Obs.
A	70-75	164W-176E	1878-1984	9,403
B	70-75	144-164	1916.1984	24,845
C	Coast-75	124-144	1950-1984	32,883
D	65-70	Coast-Coast	1878-l 984	11,925

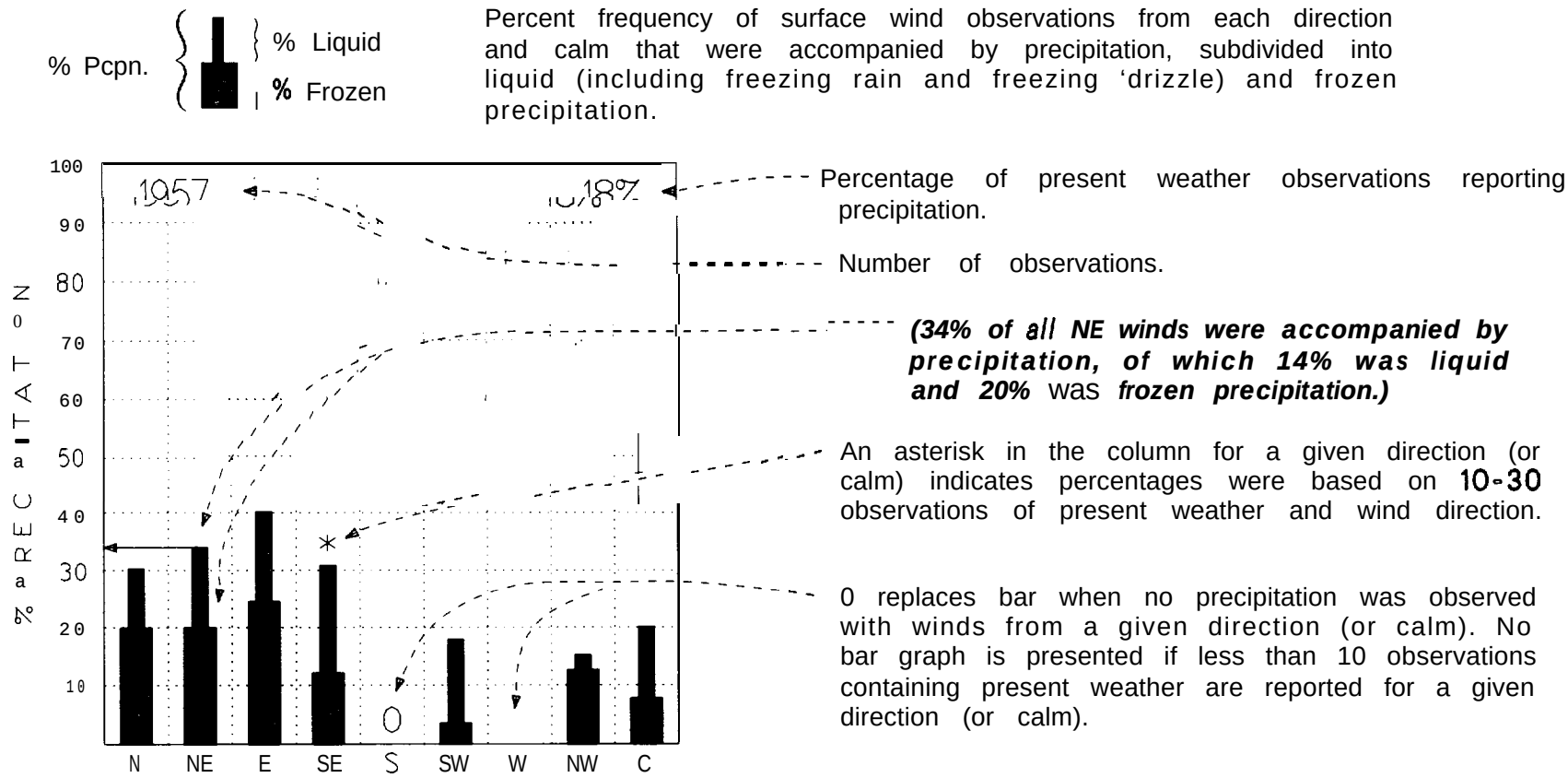
Map 1. Precipitation

BLACK LINE – Percent frequency of observations reporting precipitation.

BLUE LINE – Percent frequency of precipitation observations reporting frozen precipitation.

Albers Equal-Area Conic Projection

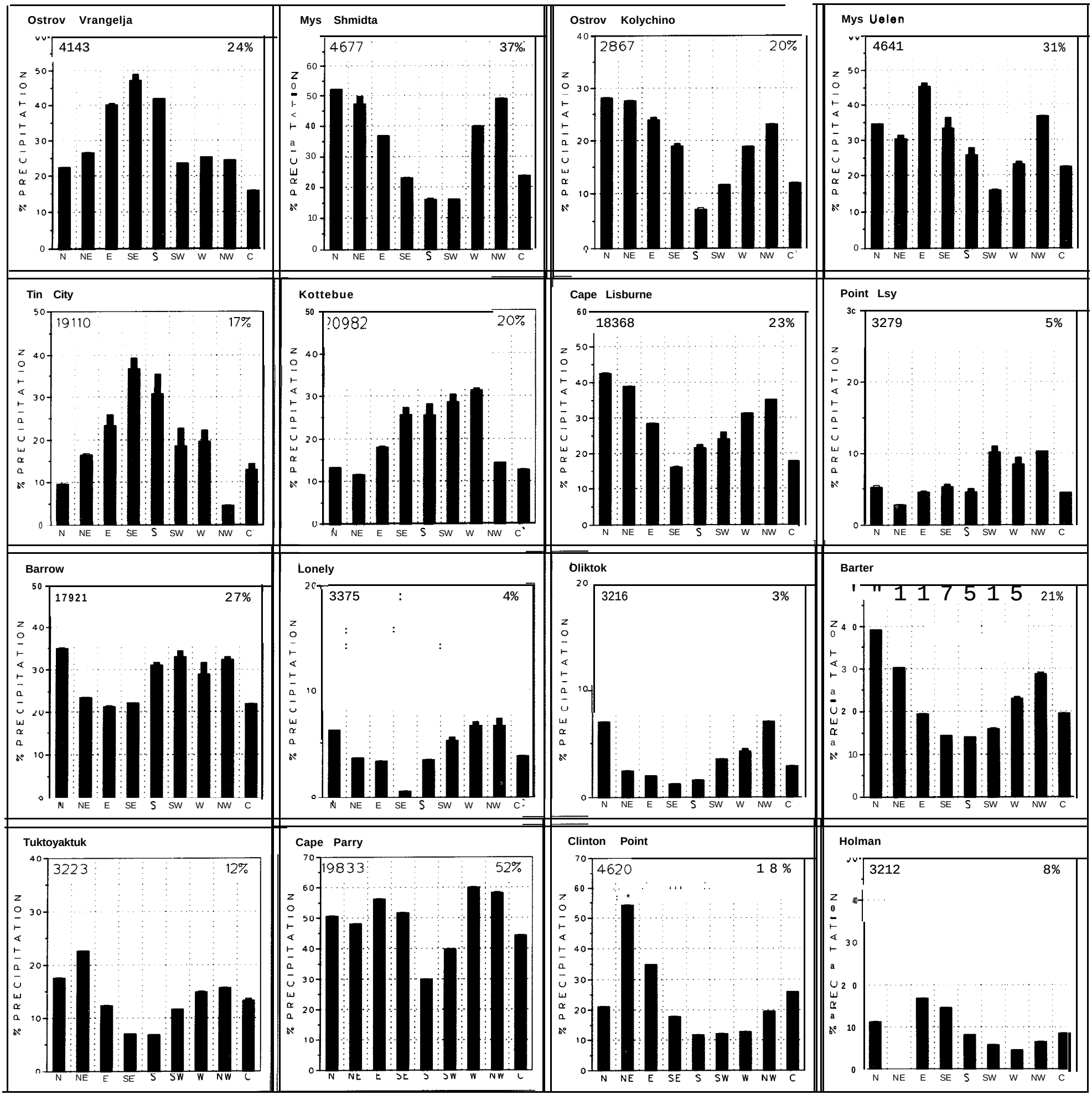
Graphs: Precipitation/wind direction

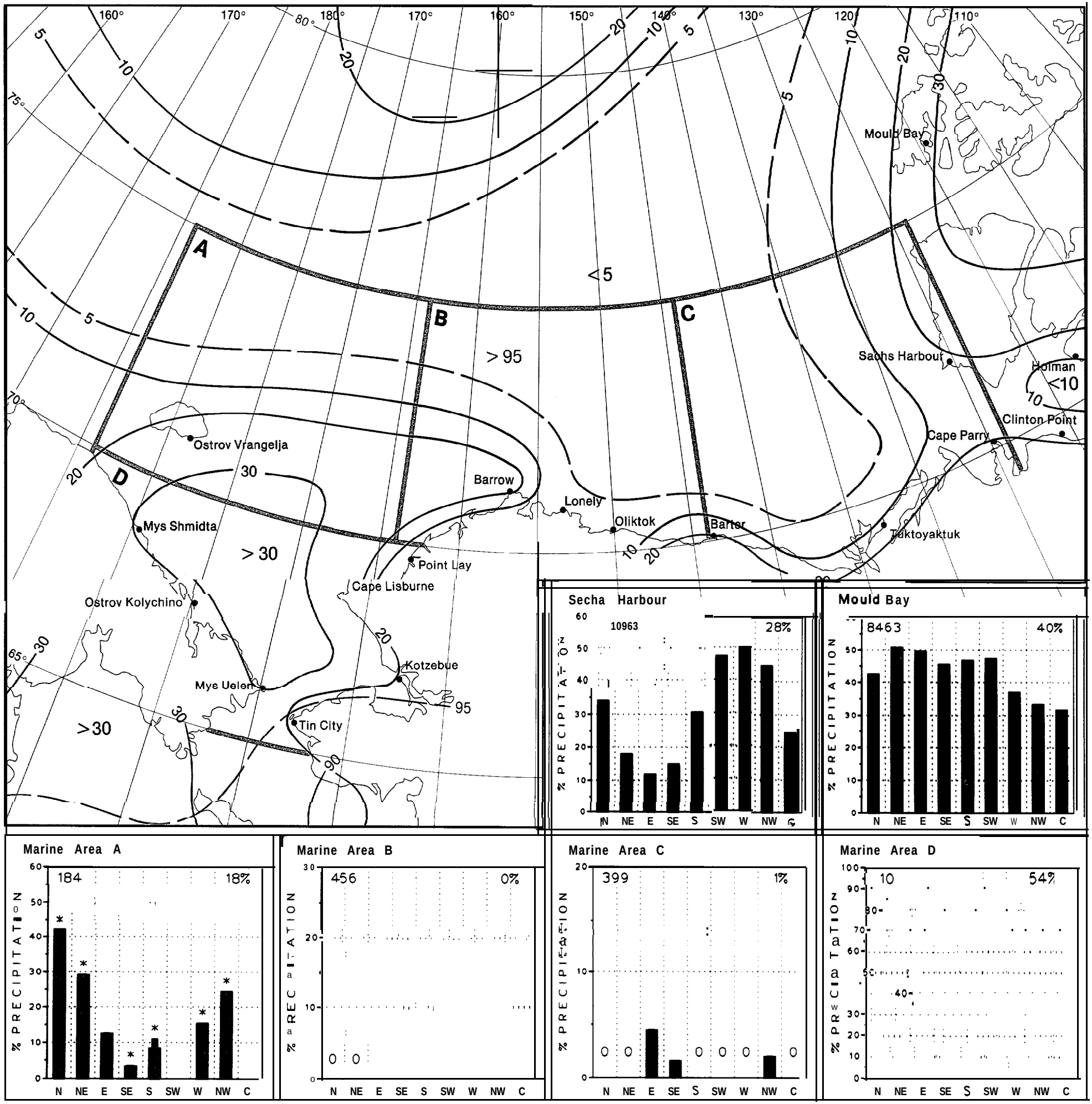


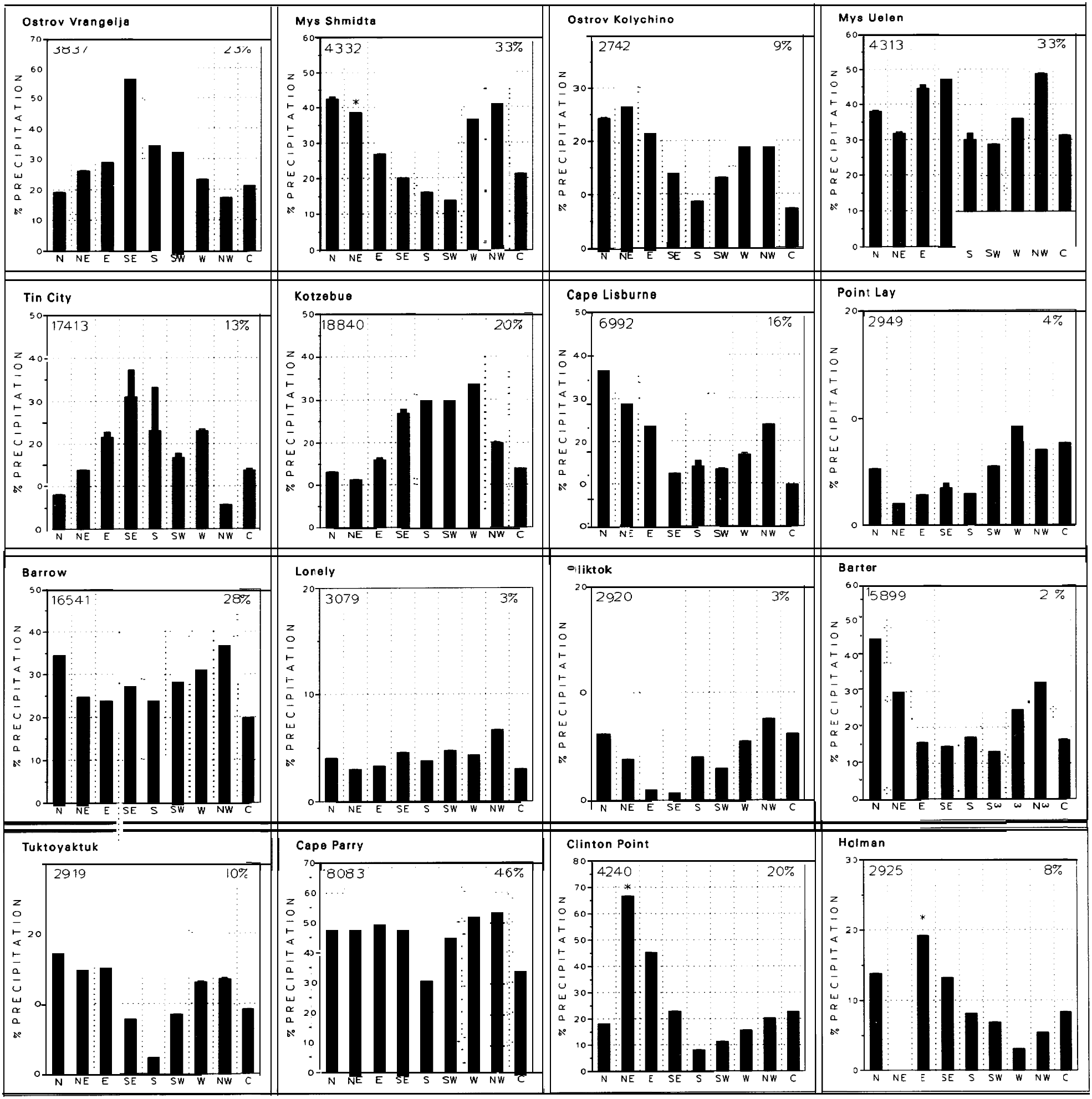
The percent frequency of observations reporting frozen precipitation for a given point on a monthly isopleth map can be determined by multiplying the percent frequency of observations reporting precipitation (BLACK LINE) with that of precipitation observations reporting frozen precipitation (BLUE LINE).

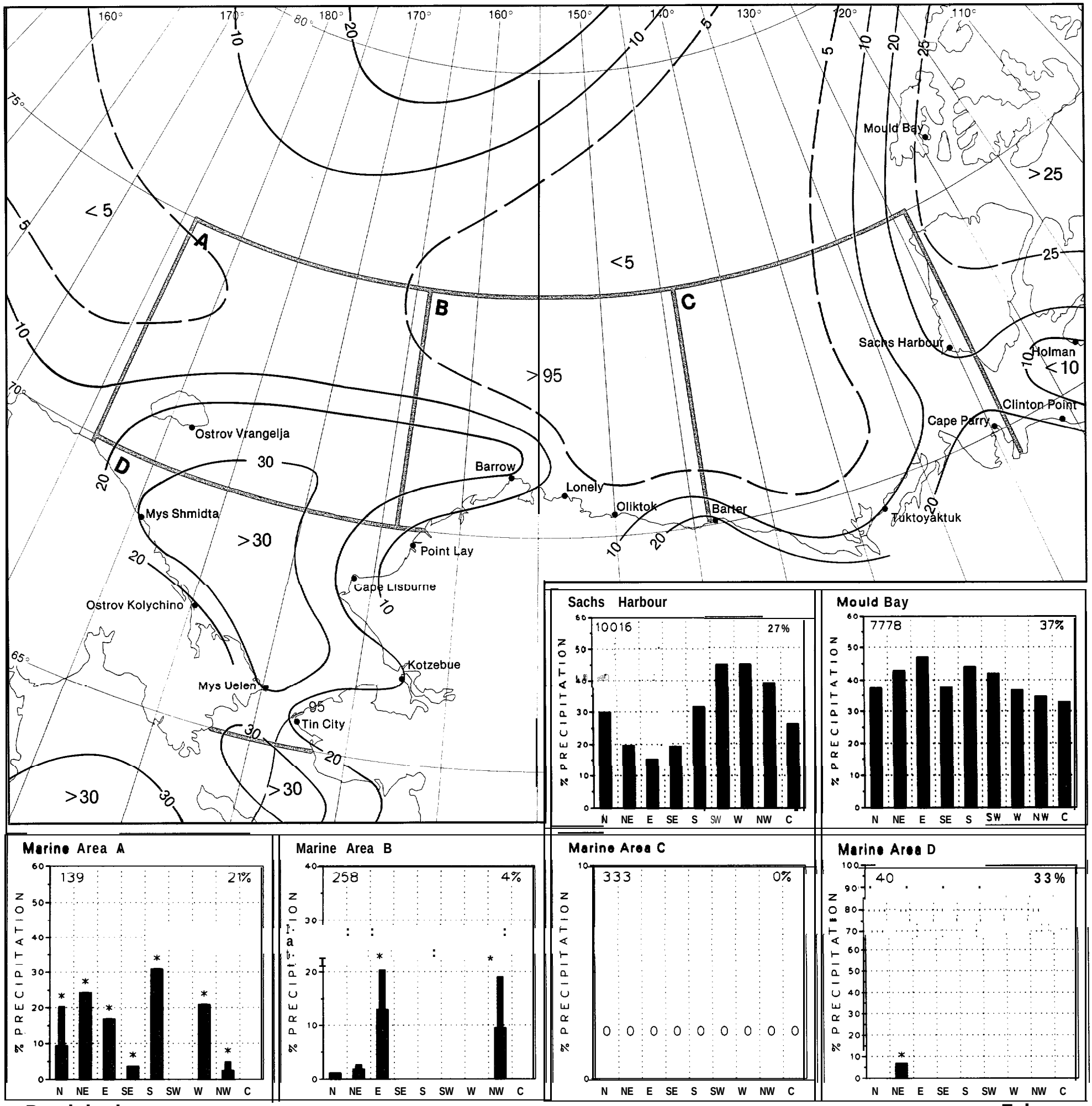
Of the elements recorded in the historical marine data base, precipitation is one that is most subject to error in both the way it is observed and the way it is interpreted. It is often implied in the literature that ships often try to avoid foul weather and thereby bias the oceanic climatology towards fair weather. A recent study by Elms (1986), in which he compared the Volunteer Observing Ship (VOS) data to Ocean Station Vessel (OSV) and buoy data, concluded there is little evidence that "fair weather bias" is a serious problem for most applications of marine climatic data.

Assessing oceanic rainfall data is a major problem because transit ships are unable to take quantitative precipitation measurements. A number of studies have been conducted in efforts to predict precipitation amounts, or rates of fall, based on estimates derived from the use of present weather observations from ships of opportunity (Goroch, et al., 1984) and readings from satellites (Rao, et al., 1976). Refer to the text and table in Set 2 for additional information about precipitation.


Ostrov Vrangelja
4143
24%
Mys Shmidta
4677
37%
Ostrov Kolychino
2867
20%
Mys Uelen
4641
31%
Tin City
19110
17%
Kottebue
20982
20%
Cape Lisburne
18368
23%
Point Lsy
3279
5%
Barrow
17921
27%
Lonely
3375
4%
Oliktok
3216
3%
Barter
117515
21%
Tuktoyaktuk
3223
12%
Cape Parry
19833
52%
Clinton Point
4620
18%
Holman
3212
8%
% PRECIPITATION
N NE E SE S SW W NW C

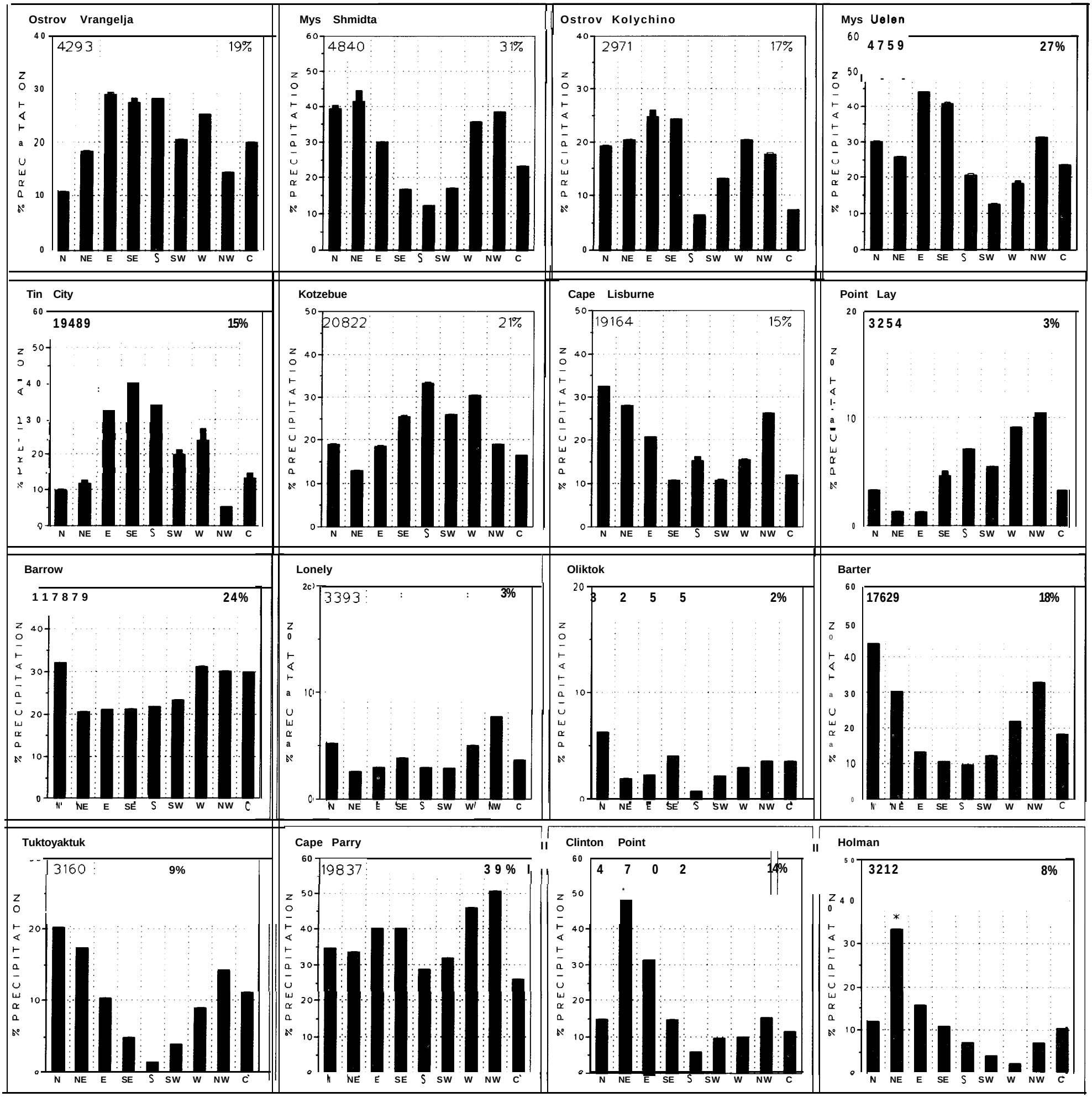

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
A
B
C
D
<5
>95
>30
>30
<10
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Secha Harbour
10963
28%
Mould Bay
8463
40%
Marine Area A
184
18%
Marine Area B
456
0%
Marine Area C
399
1%
Marine Area D
10
54%
% PRECIPITATION
N NE E SE S SW W NW C


Ostrov Vrangelja
3837
25%
Mys Shmidta
4332
33%
Ostrov Kolychino
2742
9%
Mys Uelen
4313
33%
Tin City
17413
13%
Kotzebue
18840
20%
Cape Lisburne
6992
16%
Point Lay
2949
4%
Barrow
16541
28%
Lonely
3079
3%
Oliktok
2920
3%
Barter
5899
2 %
Tuktoyaktuk
2919
10%
Cape Parry
8083
46%
Clinton Point
4240
20%
Holman
2925
8%
% PRECIPITATION
N NE E SE S SW W NW C

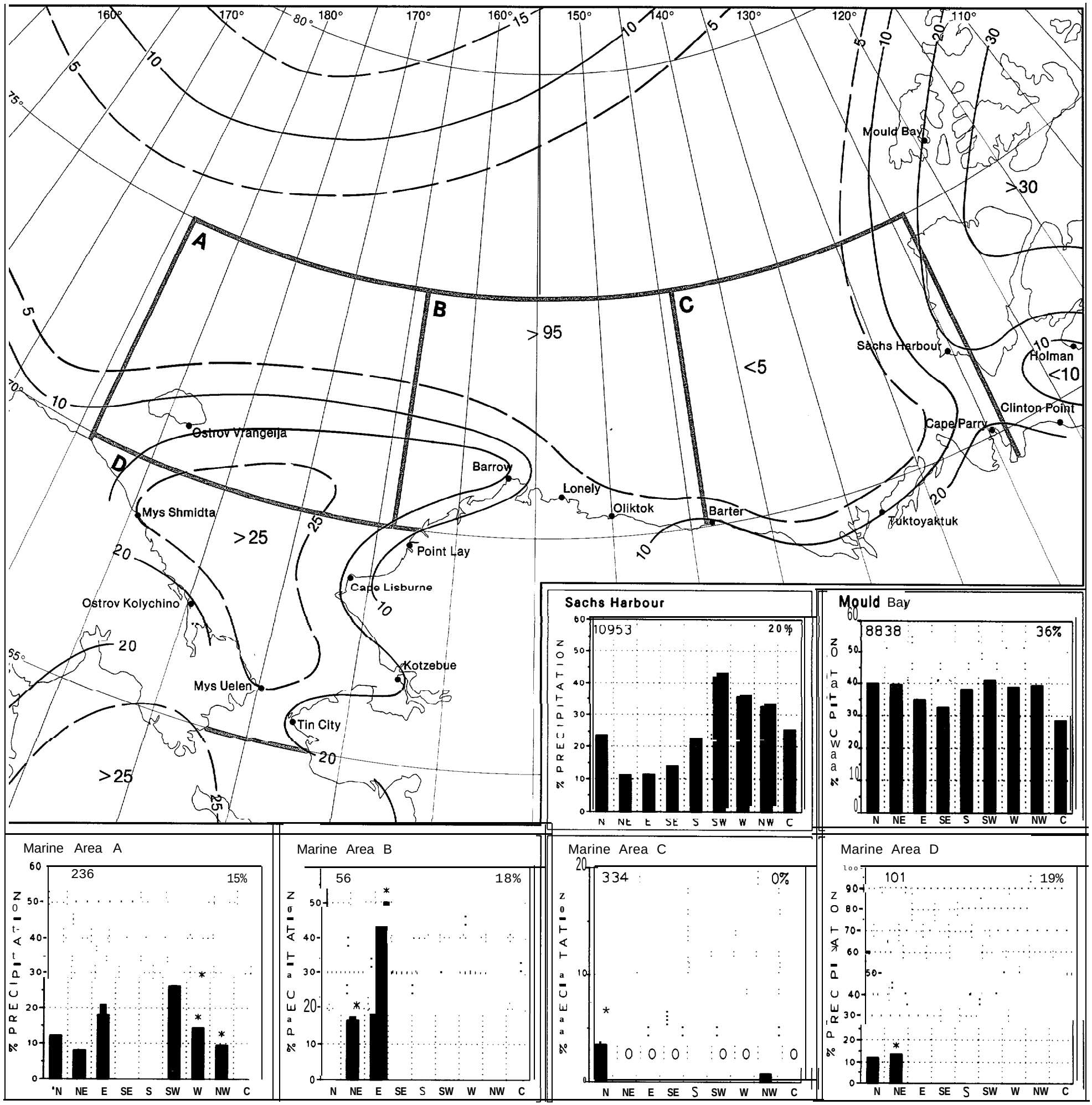


Precipitation

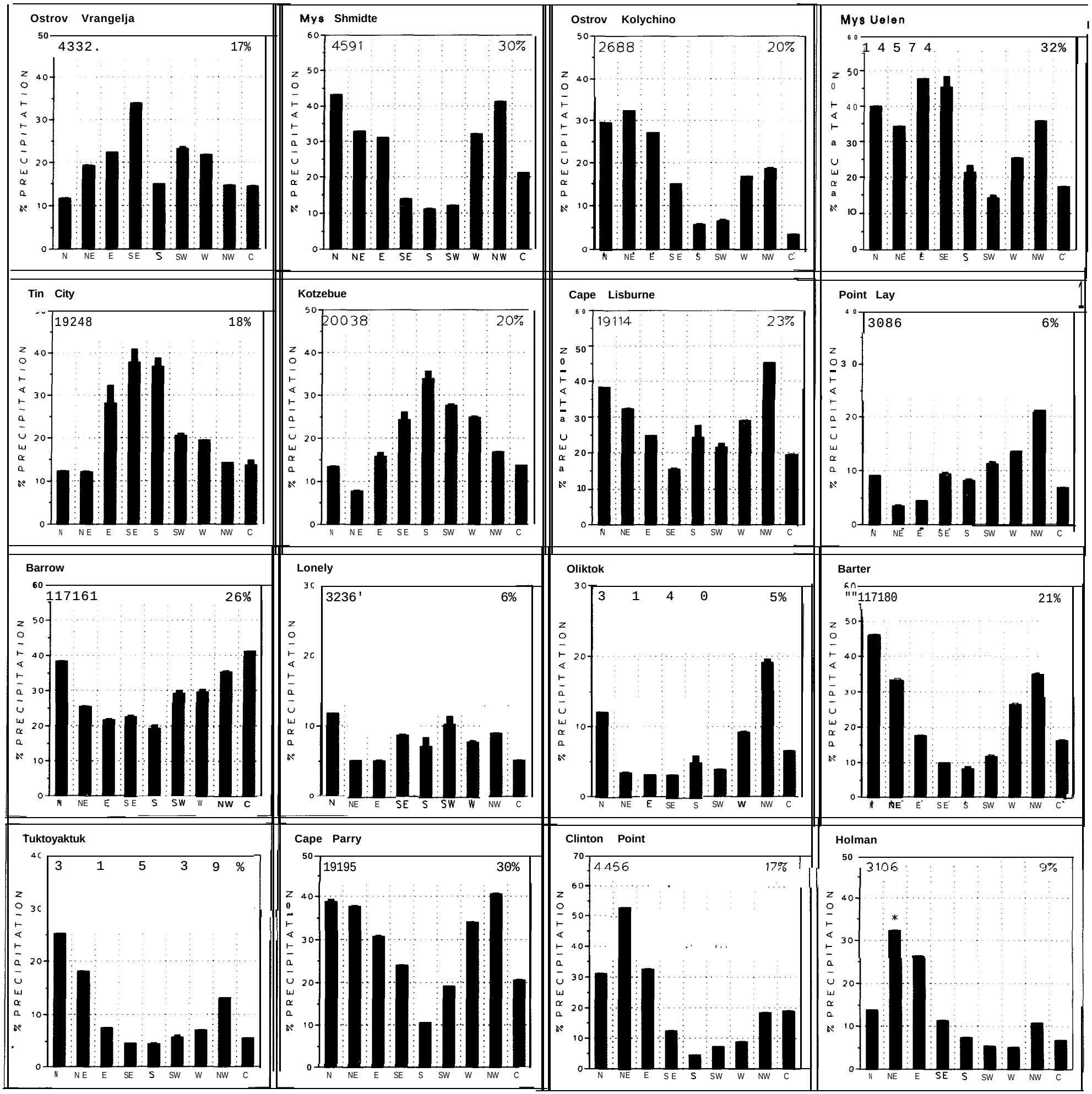
February

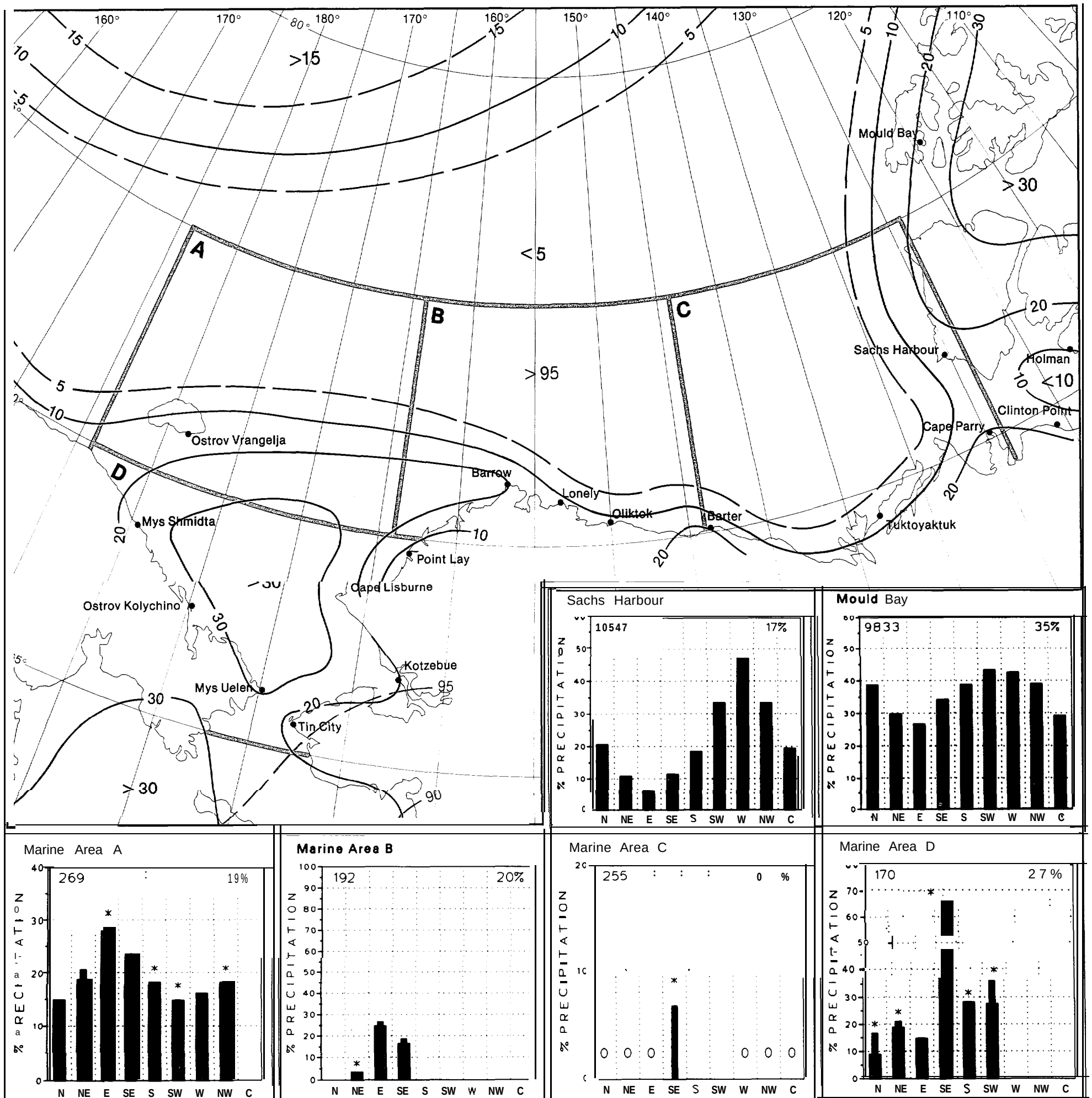


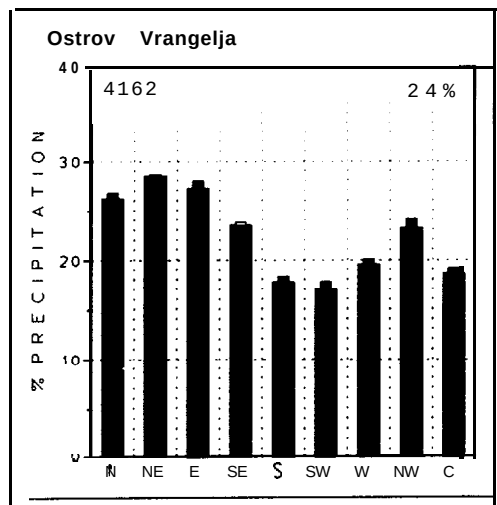
March 1 Precipitation and Wind Direction

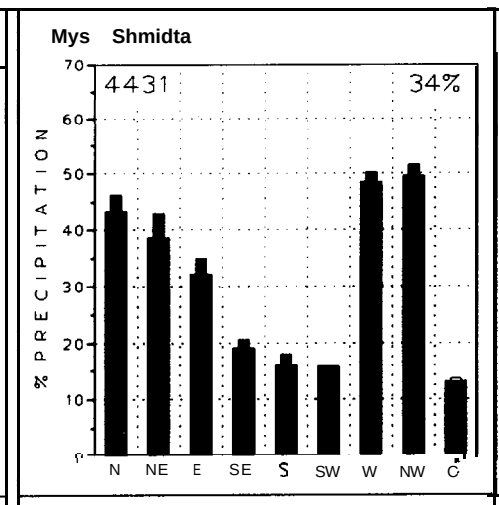


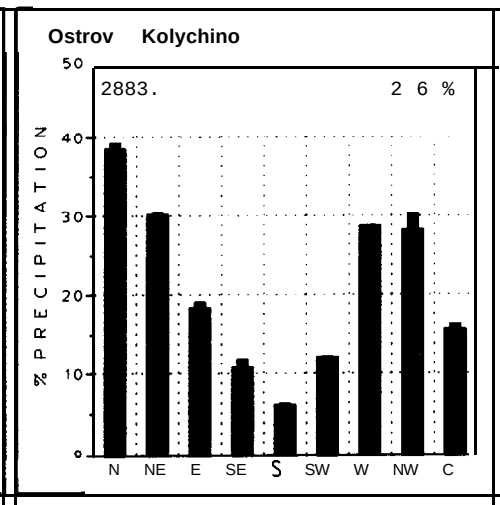
1 Precipitation

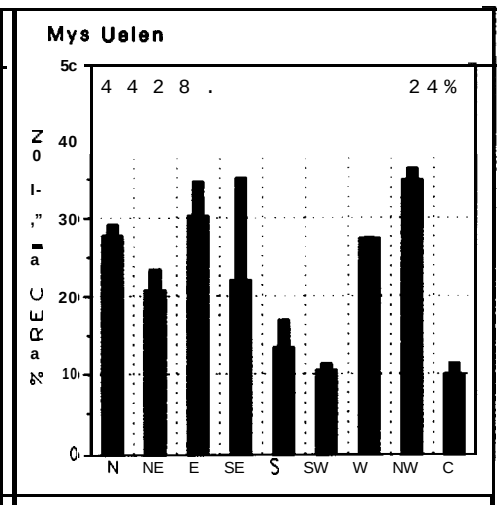

Ostrov Vrangelja
4332.
17%
Mys Shmidte
4591
30%
Ostrov Kolychino
2688
20%
Mys Uelen
14574
32%
Tin City
19248
18%
Kotzebue
20038
20%
Cape Lisburne
19114
23%
Point Lay
3086
6%
Barrow
117161
26%
Lonely
3236'
6%
Oliktok
3140
5%
Barter
117180
21%
Tuktoyaktuk
31539 %
Cape Parry
19195
30%
Clinton Point
4456
17%
Holman
3106
9%
% PRECIPITATION
N NE E SE S SW W NW C

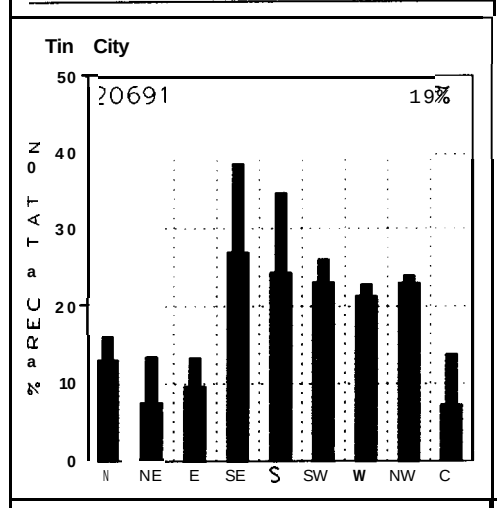

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
>15
15
10
5
<5
>95
>30
20
<10
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Mys Uelen
Kotzebue
Tin City
Sachs Harbour
10547
17%
Mould Bay
9833
35%
Marine Area A
269
19%
Marine Area B
192
20%
Marine Area C
255
0 %
Marine Area D
170
27%
% PRECIPITATION
N NE E SE S SW W NW C

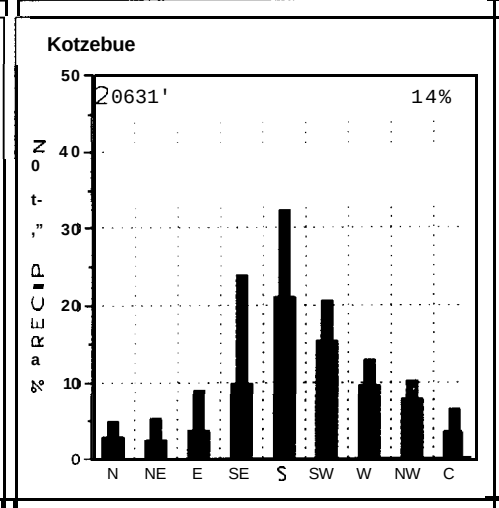

Ostrov Vrangelja
4162
24%
% PRECIPITATION
N NE E SE S SW W NW C

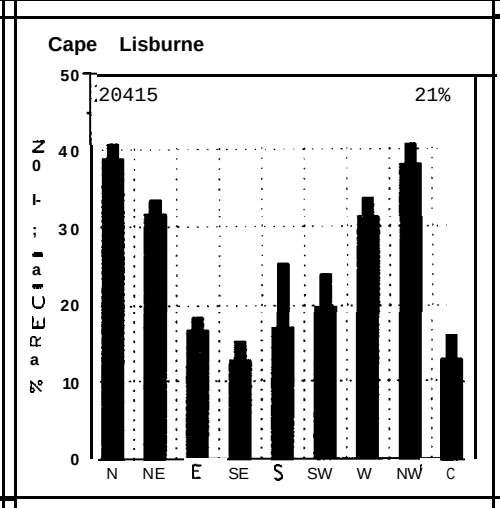

Mys Shmidta
4431
34%
% PRECIPITATION
N NE E SE S SW W NW C

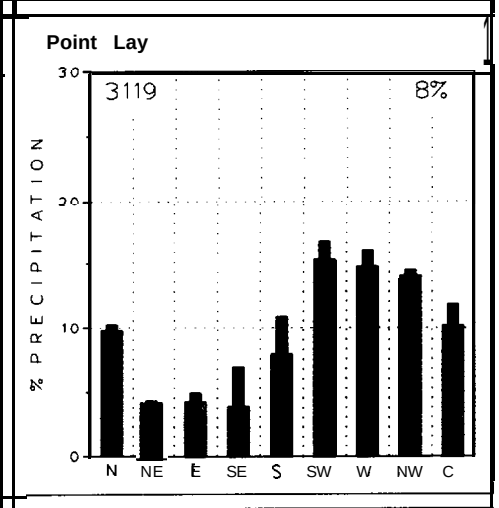

Ostrov Kolychino
2883.
2 6 %
% PRECIPITATION
N NE E SE S SW W NW C

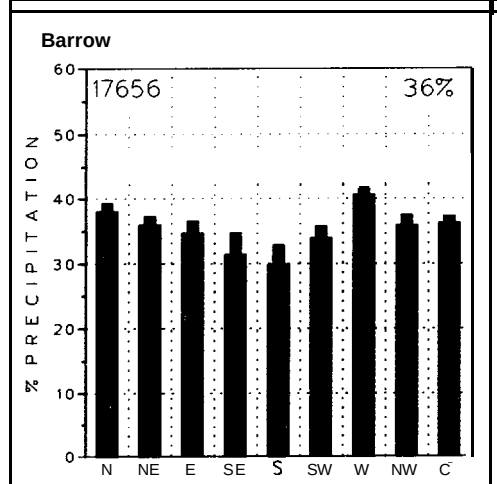

Mys Uelen
4 4 2 8 .
24%
N NE E SE S SW W NW C

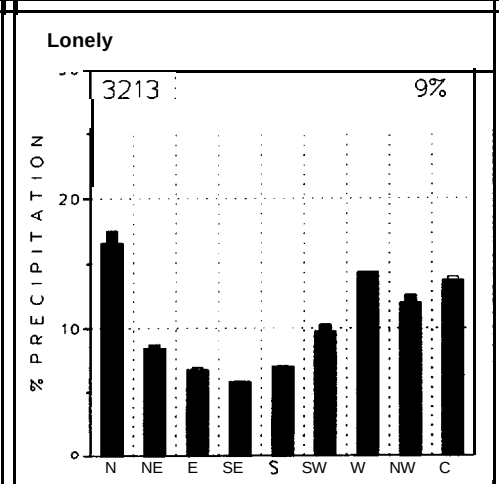

Tin City
20691
19%
N NE E SE S SW W NW C

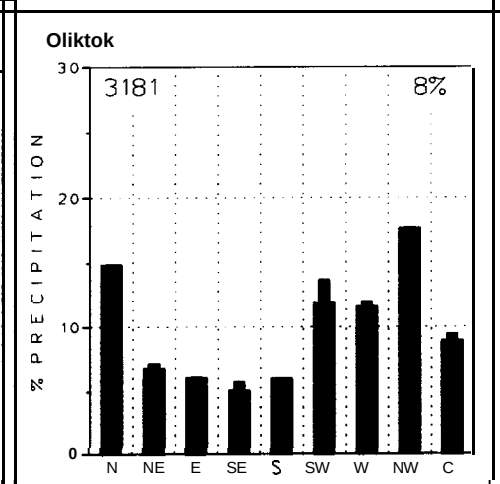

Kotzebue
20631'
14%
N NE E SE S SW W NW C

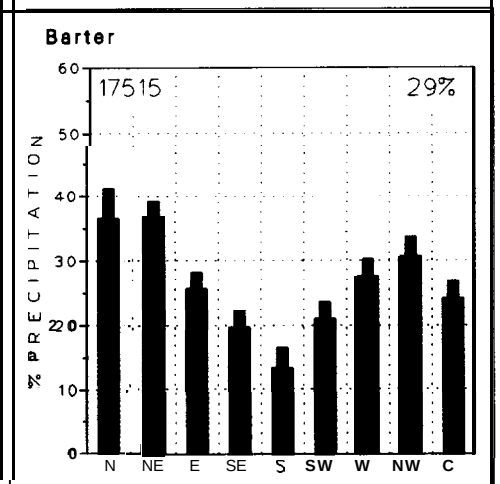

Cape Lisburne
20415
21%
N NE E SE S SW W NW C

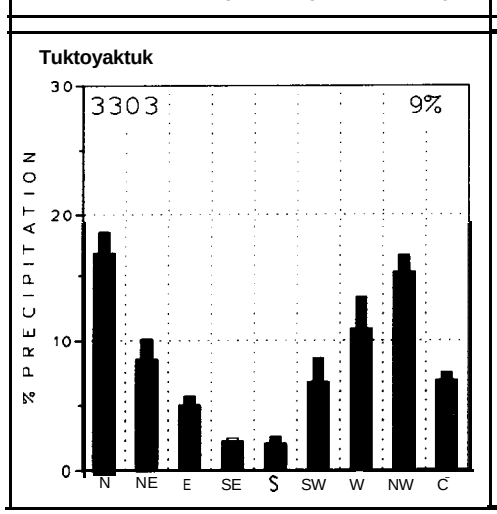

Point Lay
3119
8%
% PRECIPITATION
N NE E SE S SW W NW C

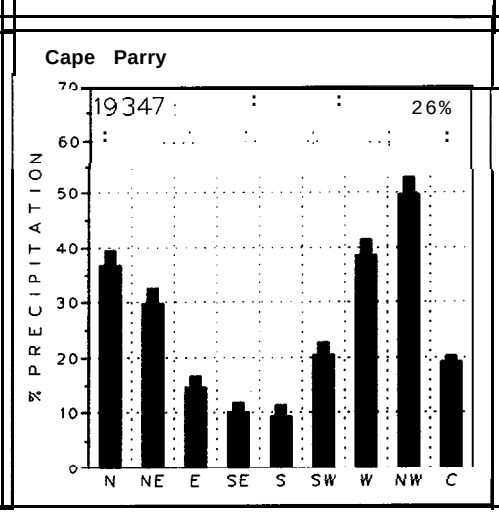

Barrow
17656
36%
% PRECIPITATION
N NE E SE S SW W NW C

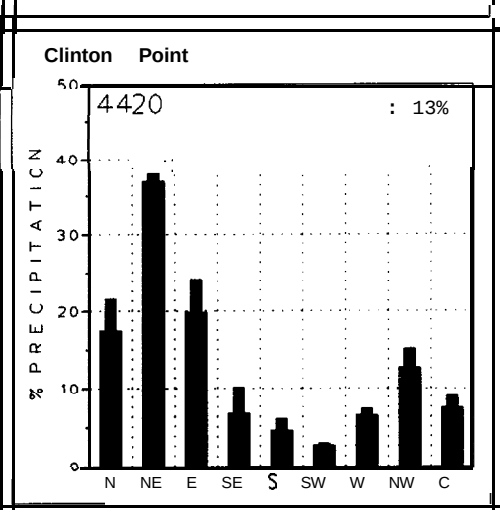

Lonely
3213
9%
% PRECIPITATION
N NE E SE S SW W NW C

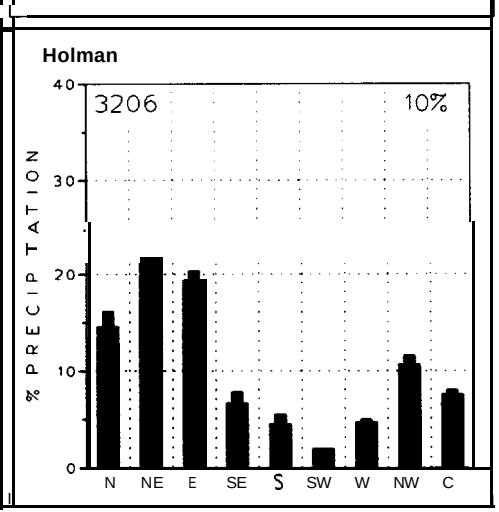

Oliktok
3181
8%
% PRECIPITATION
N NE E SE S SW W NW C

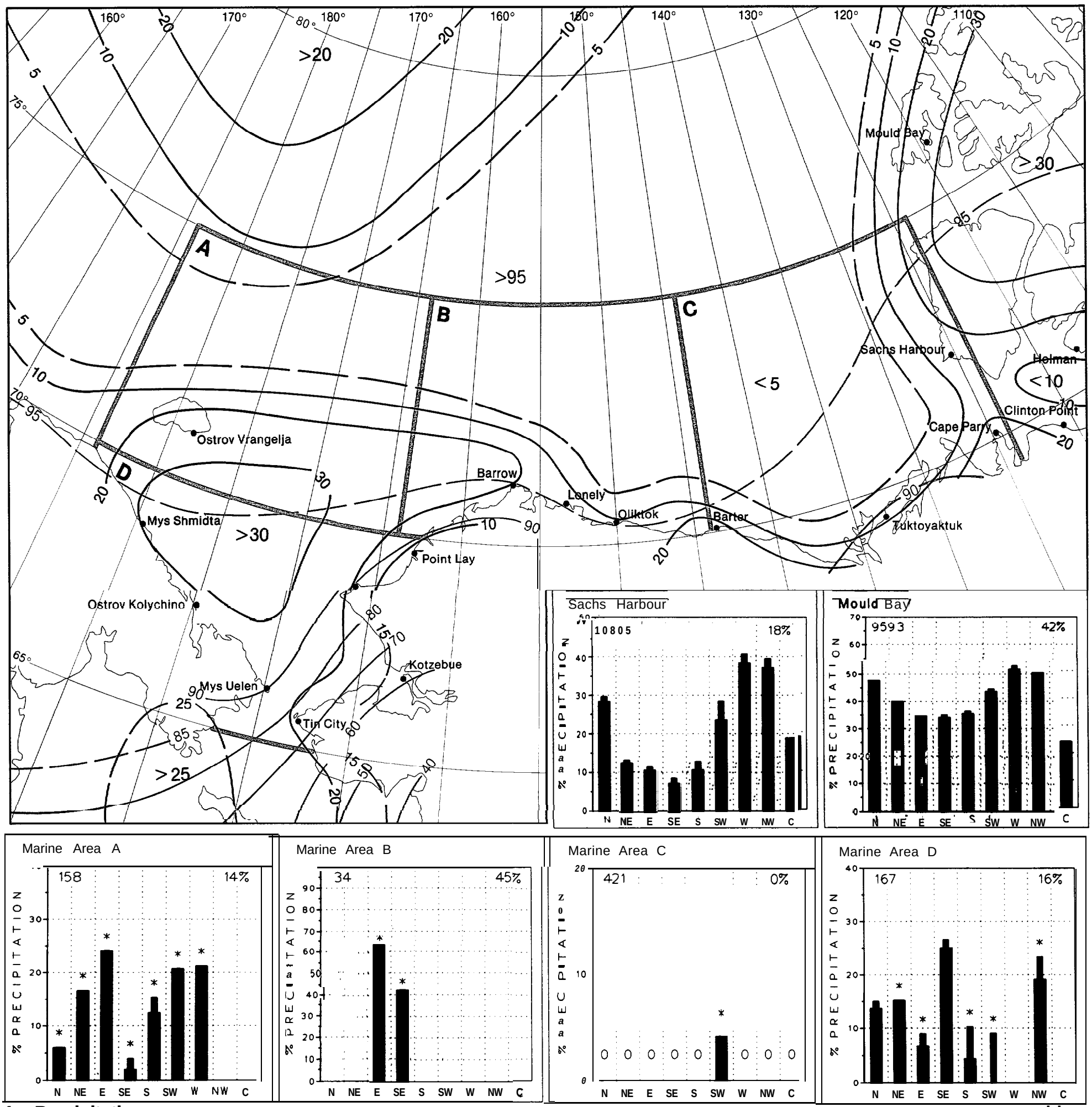

Barter
17515
29%
% PRECIPITATION
N NE E SE S SW W NW C

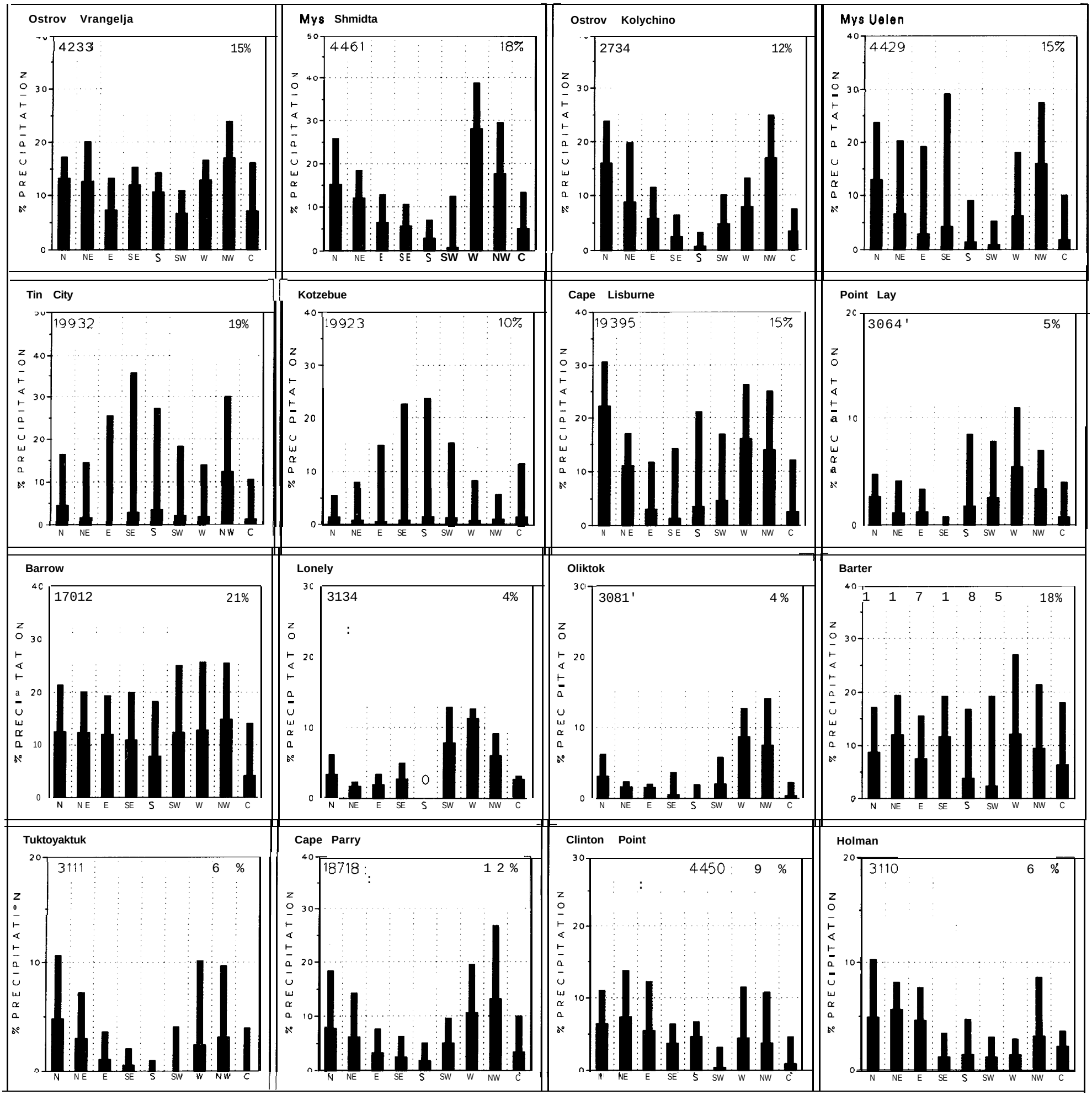

Tuktoyaktuk
3303
9%
% PRECIPITATION
N NE E SE S SW W NW C


Cape Parry
19347
26%
% PRECIPITATION
N NE E SE S SW W NW C


Clinton Point
4420
13%
% PRECIPITATION
N NE E SE S SW W NW C

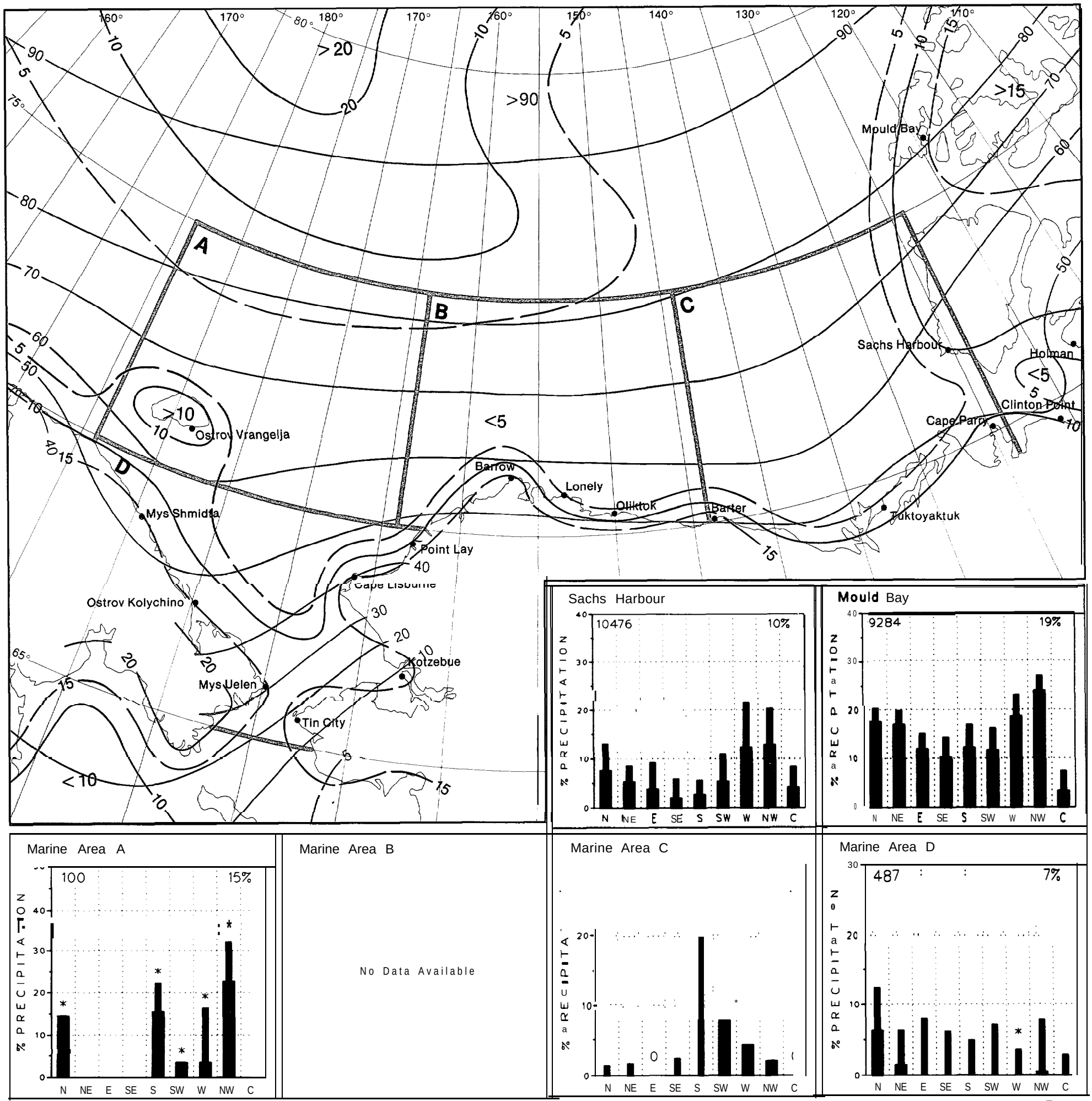

Holman
3206
10%
% PRECIPITATION
N NE E SE S SW W NW C

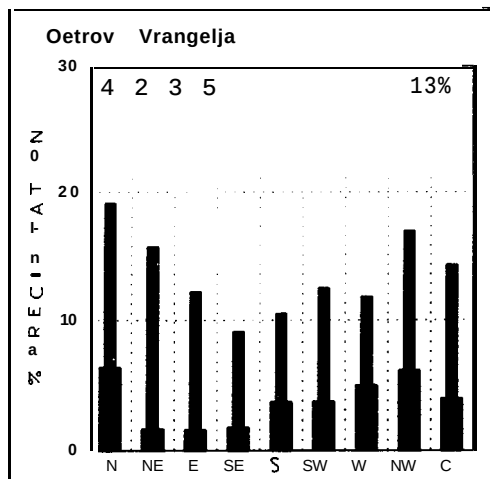

A
B
C
D
>20
>95
<5
>30
>25
Mould Bay
Sachs Harbour
Helman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10805
18%
Mould Bay
9593
42%
Marine Area A
158
14%
Marine Area B
34
45%
Marine Area C
421
0%
Marine Area D
167
16%
% PRECIPITATION
N NE E SE S SW W NW C

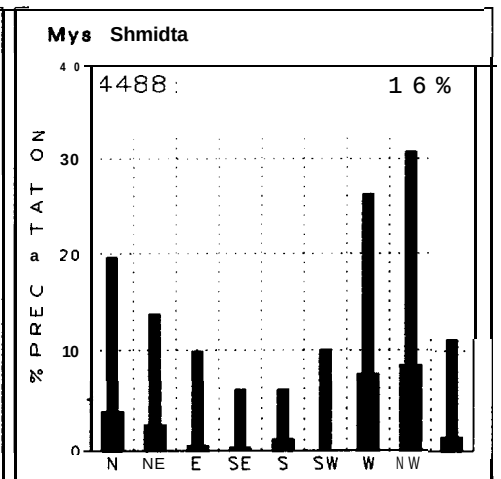


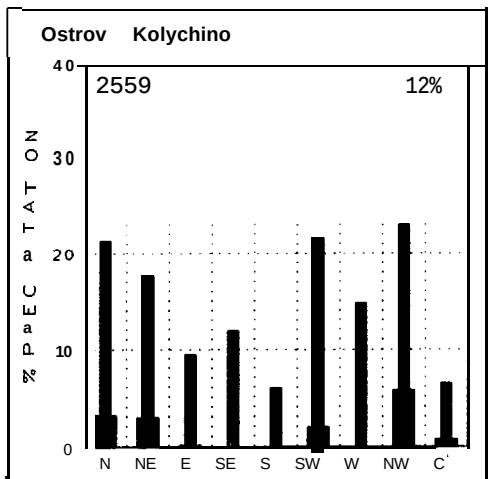
June

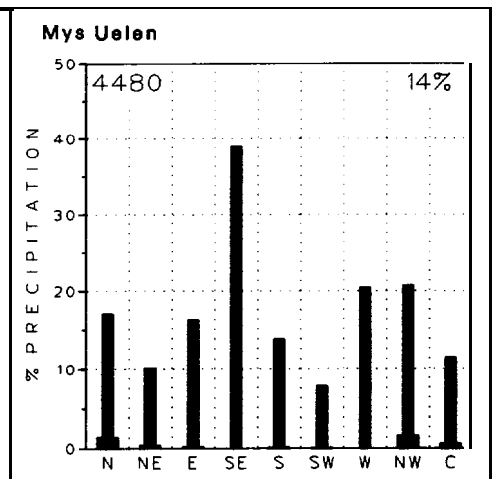
1 Precipitation and Wind Direction


A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Mys Uelen
Kotzebue
Tin City
Sachs Harbour
10476
10%
Mould Bay
9284
19%
Marine Area A
100
15%
Marine Area B
No Data Available
Marine Area C
Marine Area D
487
7%
% PRECIPITATION
N NE E SE S SW W NW C


Oetrov Vrangelja
4 2 3 5
13%
% PRECIPITATION
N NE E SE S SW W NW C


Mys Shmidta
4488
16%
% PRECIPITATION
N NE E SE S SW W NW


Ostrov Kolychino
2559
12%
% PRECIPITATION
N NE E SE S SW W NW C


Mys Uelen
4480
14%
% PRECIPITATION
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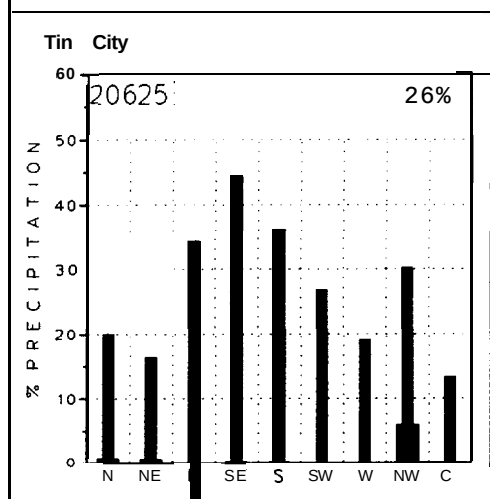
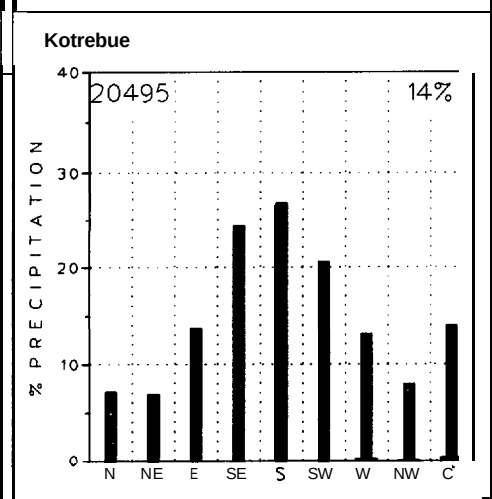
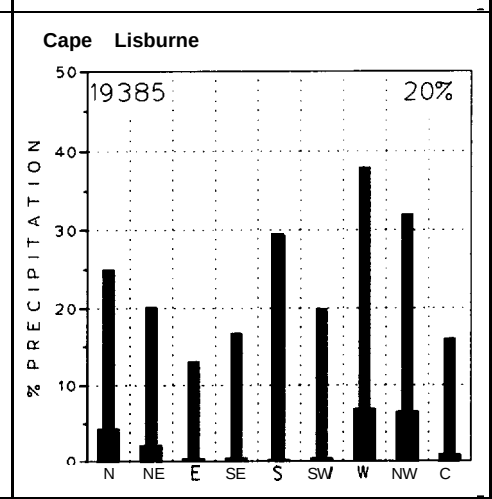
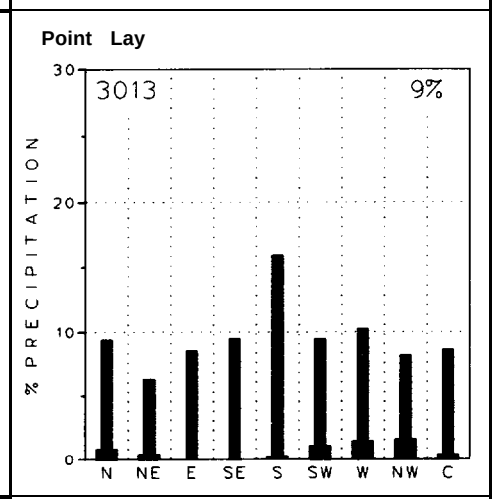
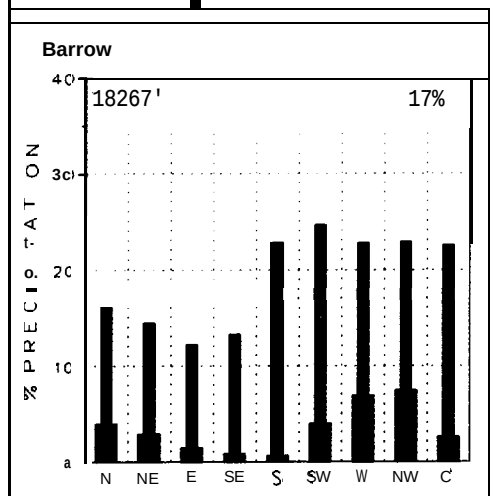
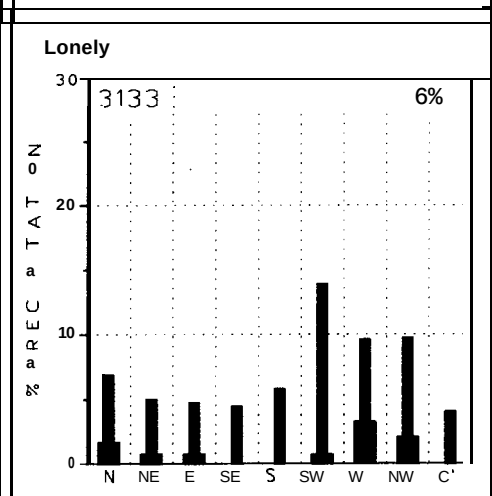

Tin City
20625
26%
% PRECIPITATION
N NE SE S SW W NW C

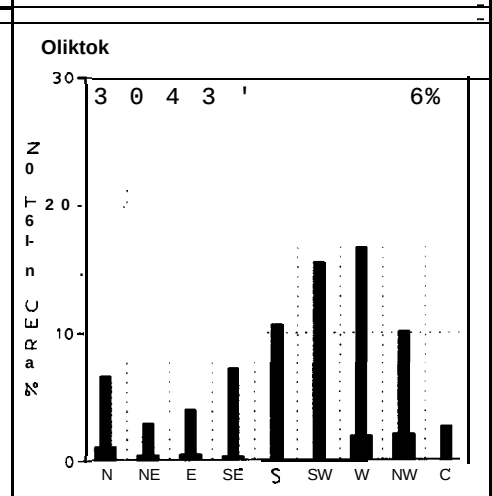

Kotrebue
20495
14%
% PRECIPITATION
N NE E SE S SW W NW C

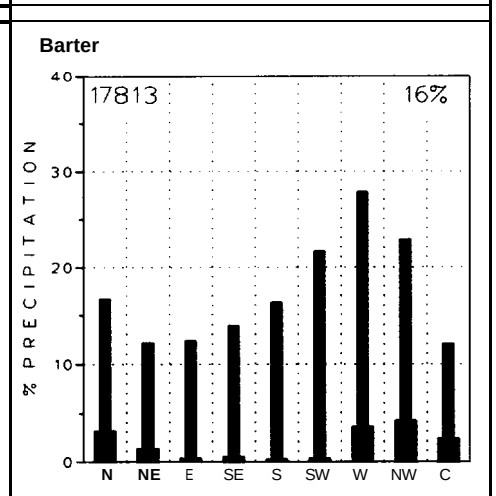

Cape Lisburne
19385
20%
% PRECIPITATION
N NE E SE S SW W NW C

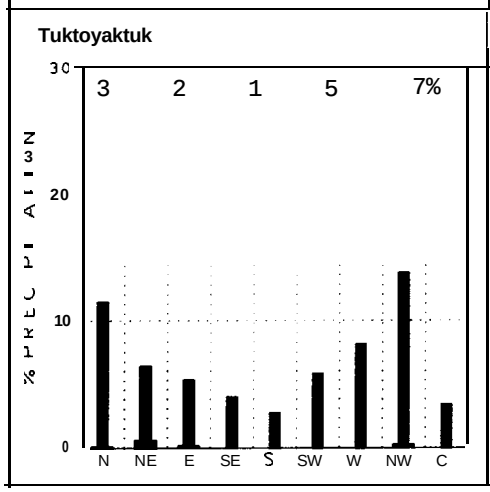

Point Lay
3013
9%
% PRECIPITATION
N NE E SE S SW W NW C

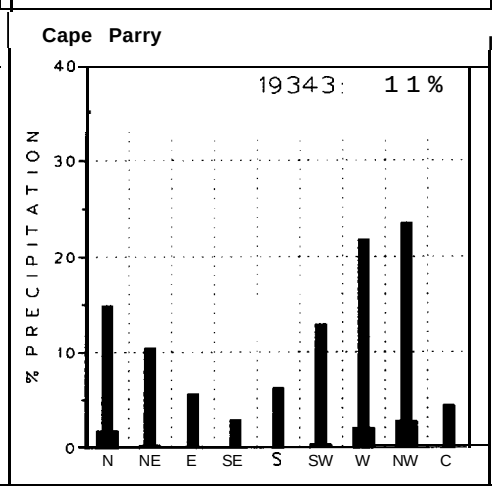

Barrow
18267'
17%
N NE E SE S SW W NW C

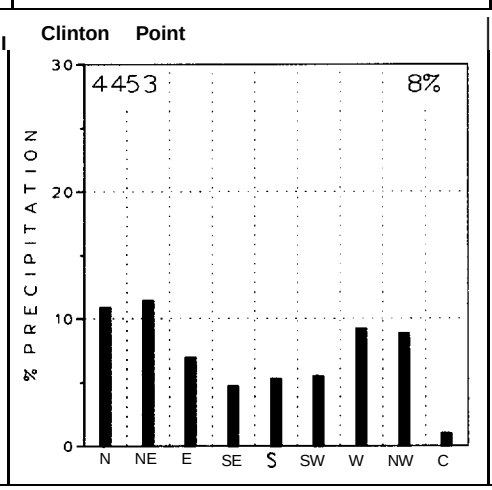

Lonely
3133
6%
% PRECIPITATION
N NE E SE S SW W NW C

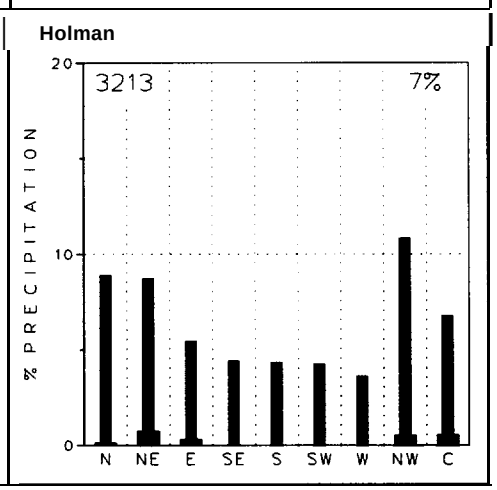

Oliktok
3 0 4 3 '
6%
N NE E SE S SW W NW C

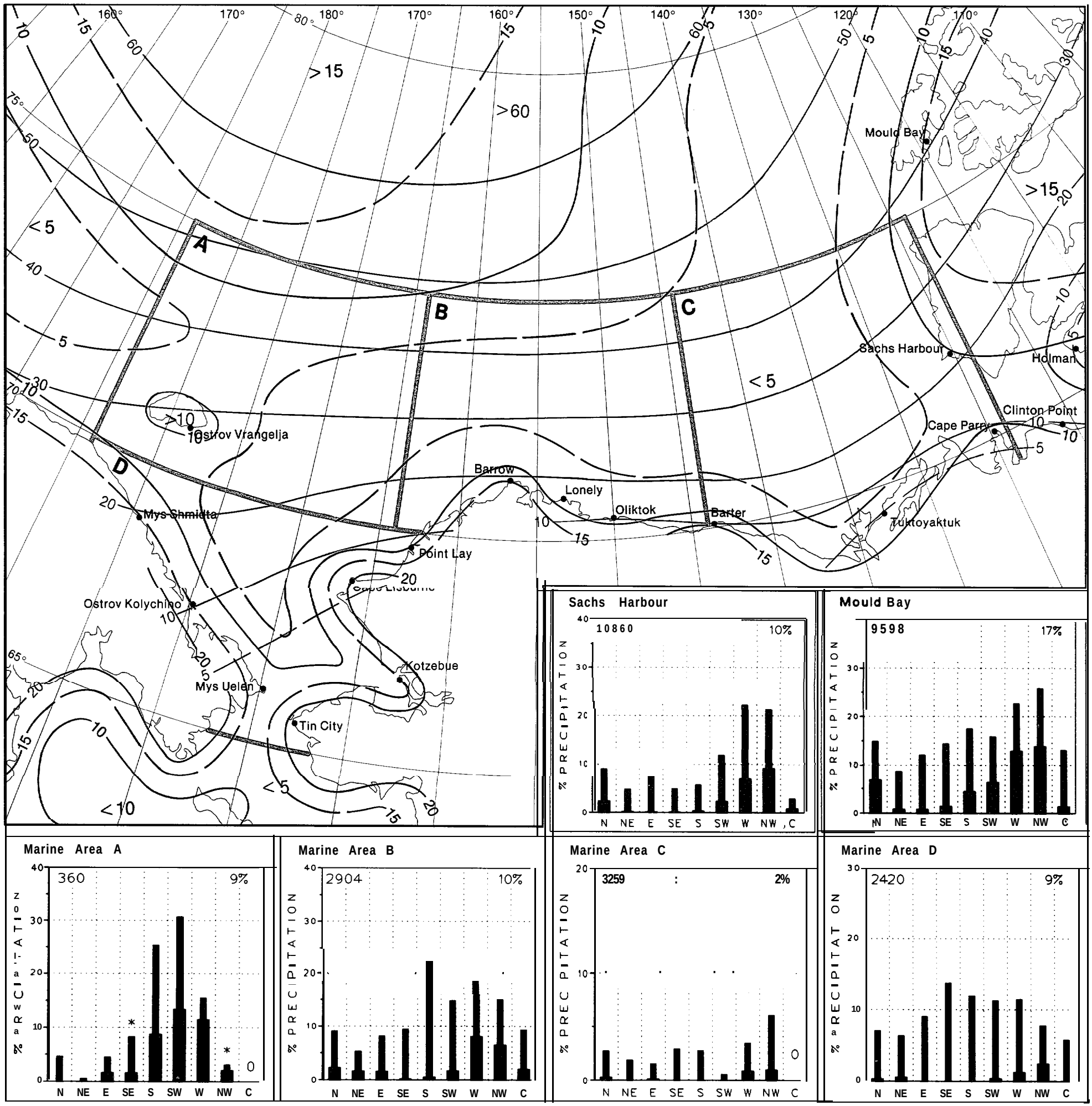

Barter
17813
16%
% PRECIPITATION
N NE E SE S SW W NW C

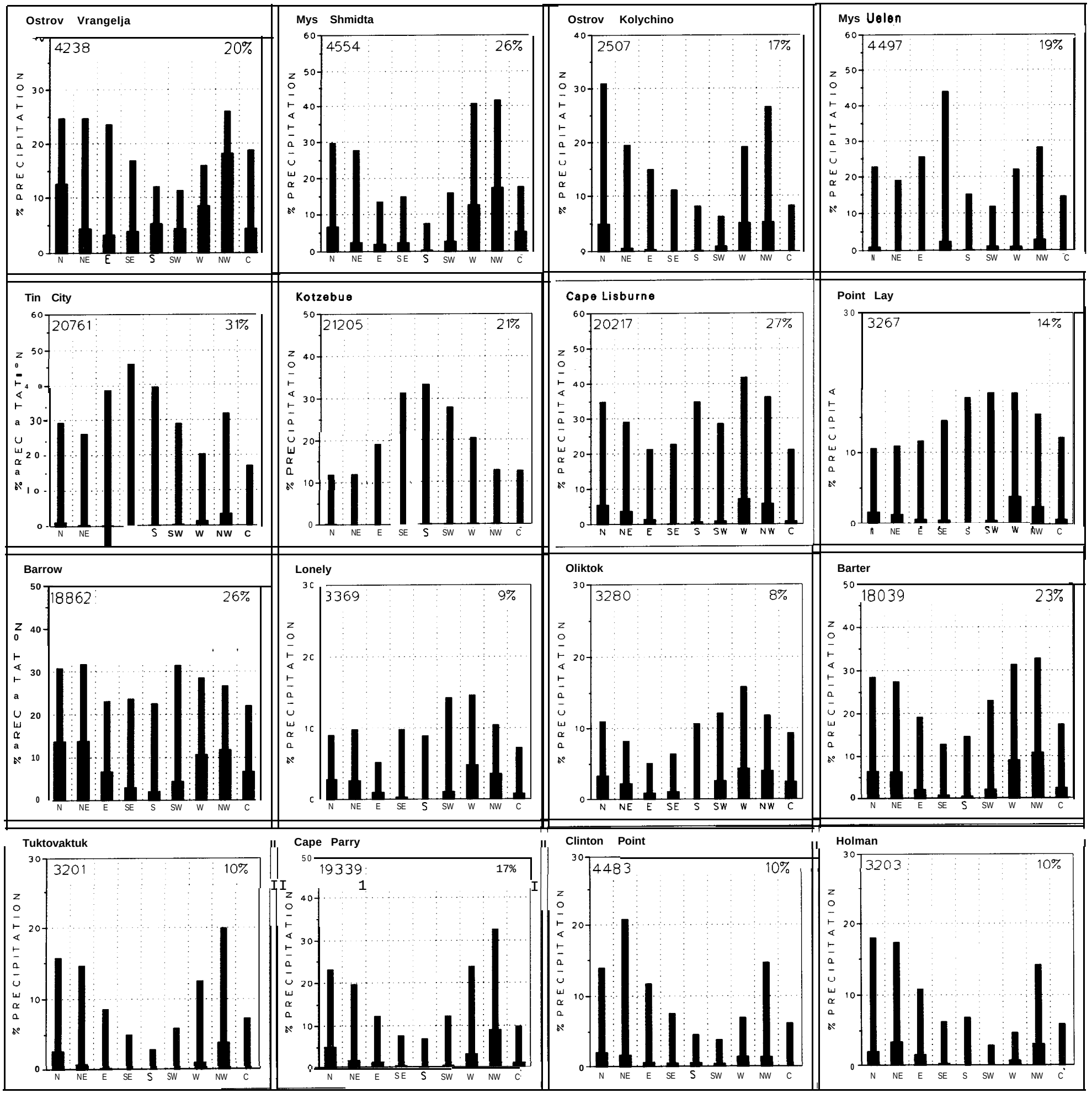

Tuktoyaktuk
3 2 1 5
7%
N NE E SE S SW W NW C


Cape Parry
19343
11%
% PRECIPITATION
N NE E SE S SW W NW C


Clinton Point
4453
8%
% PRECIPITATION
N NE E SE S SW W NW C

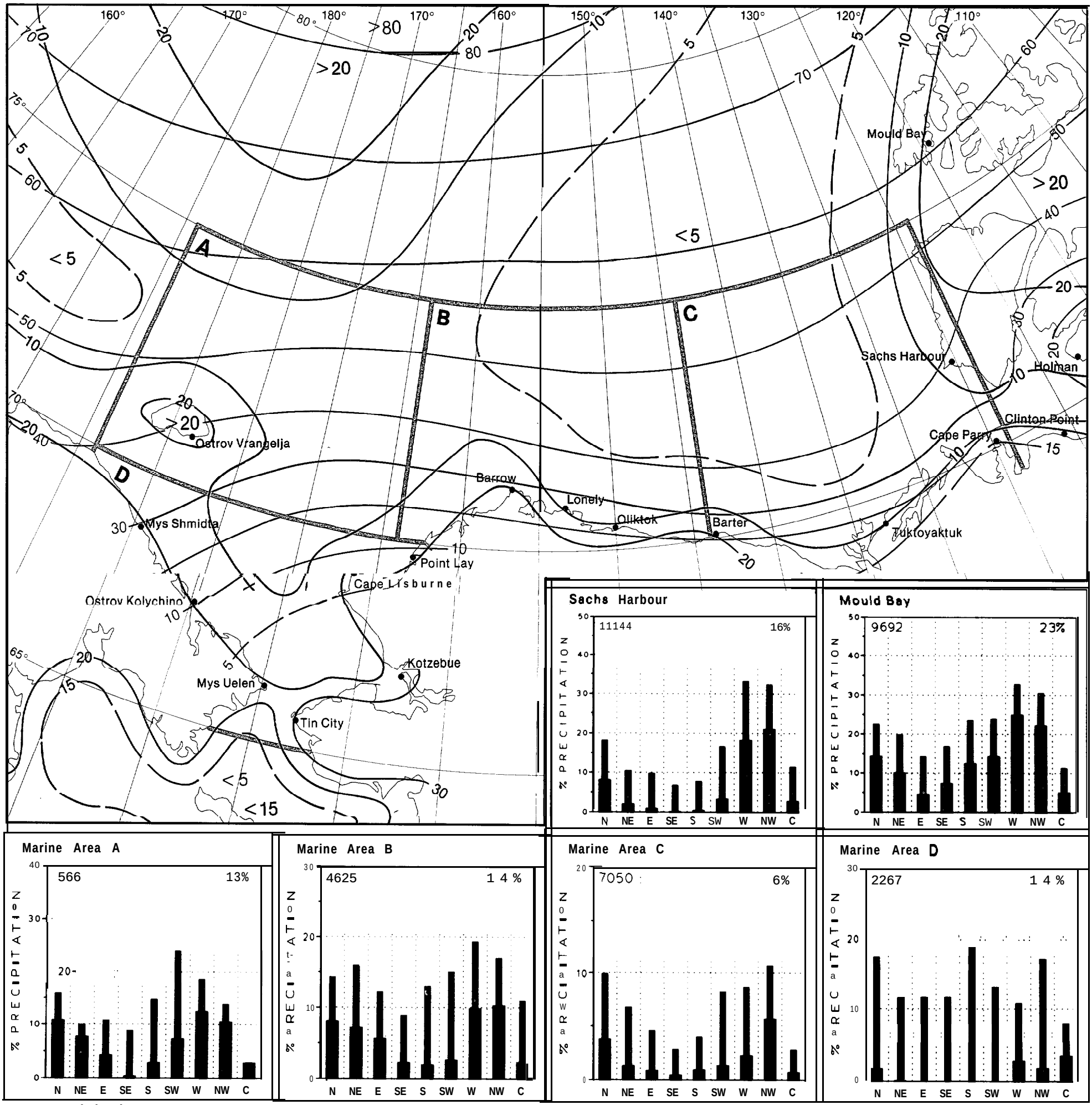

Holman
3213
7%
% PRECIPITATION
N NE E SE S SW W NW C

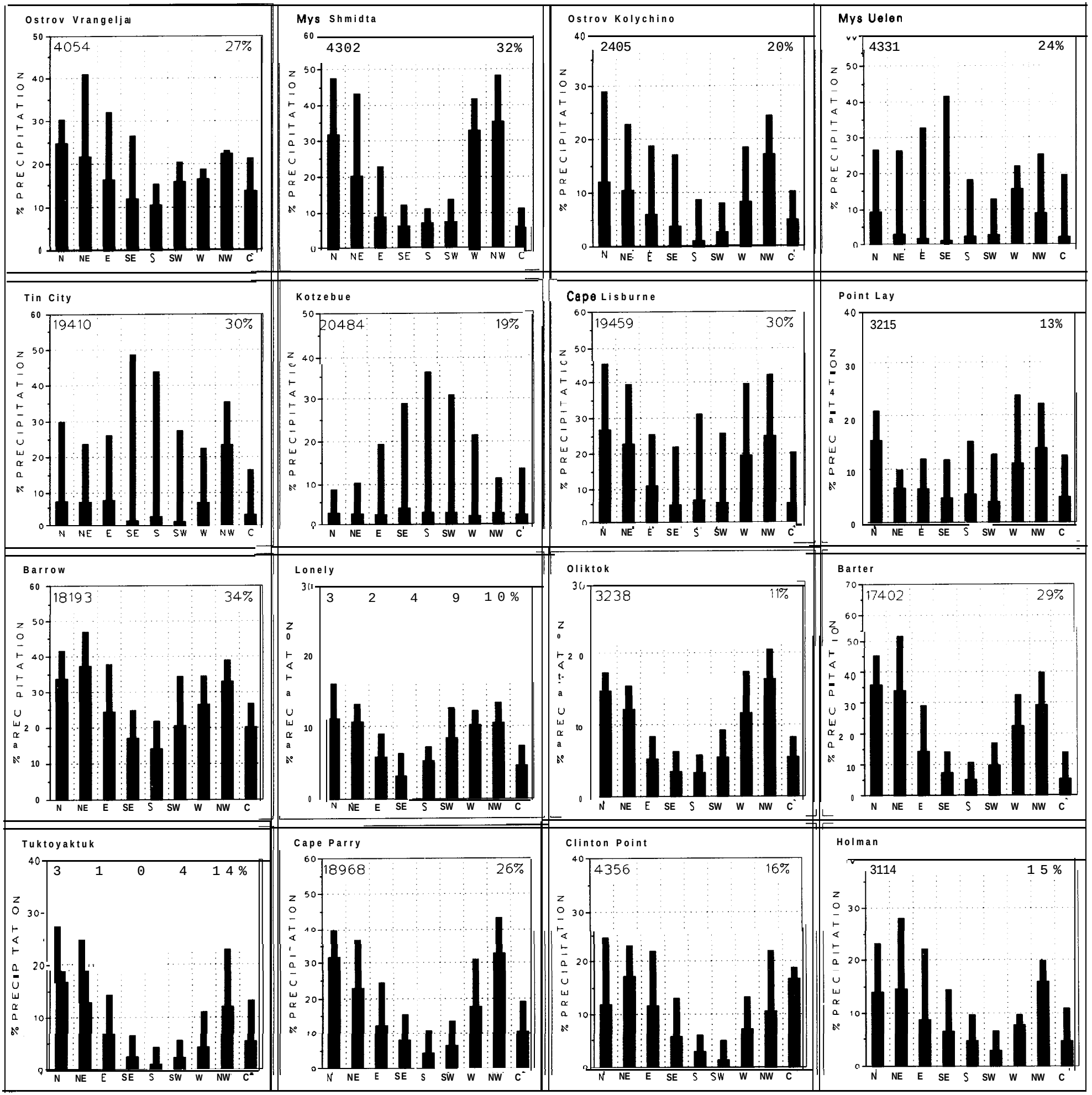

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
>15
>60
<5
<10
Sachs Harbour
10860
10%
Mould Bay
9598
17%
Marine Area A
360
9%
Marine Area B
2904
10%
Marine Area C
3259
2%
Marine Area D
2420
9%
% PRECIPITATION
N NE E SE S SW W NW C



August

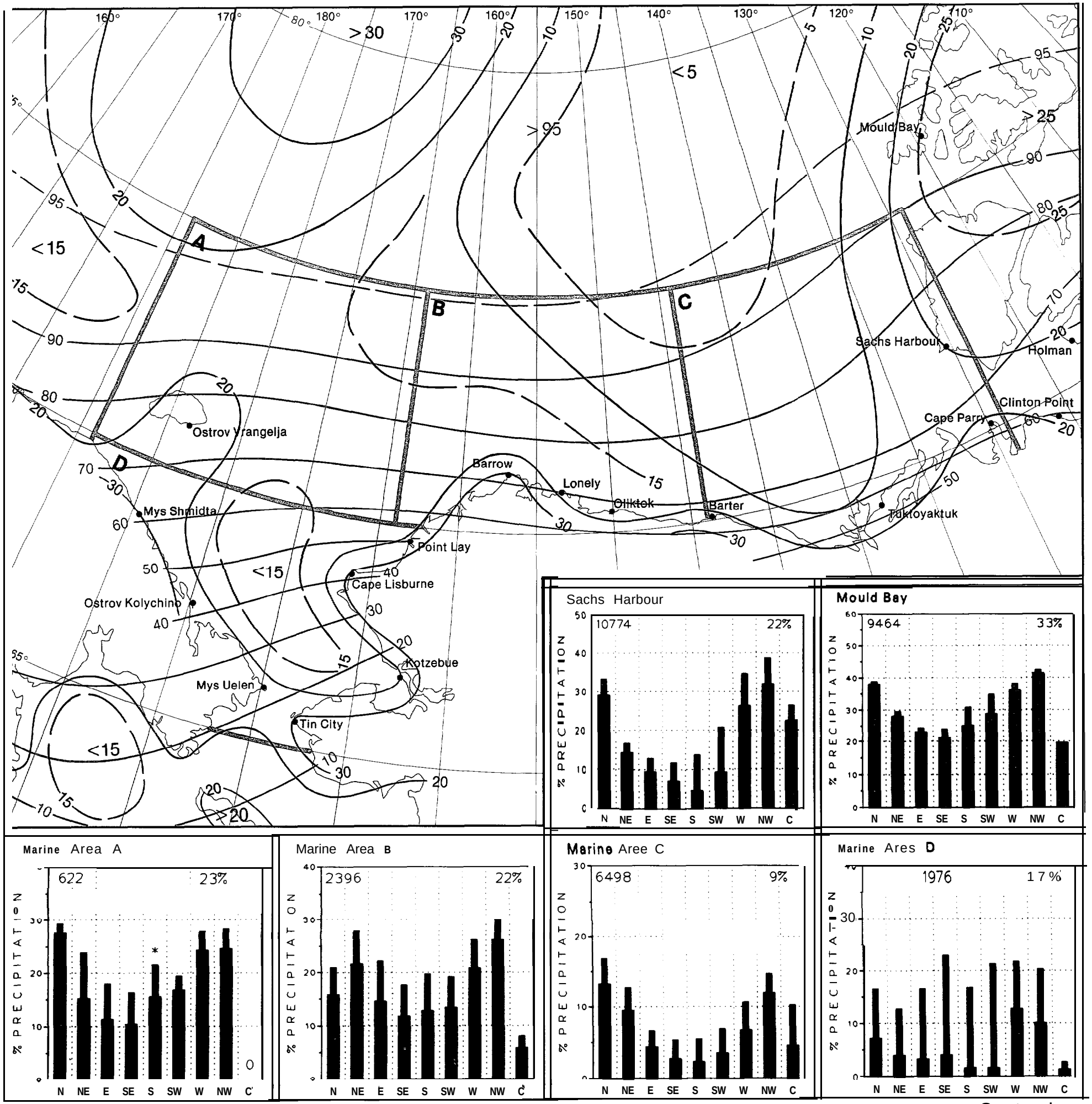
1 Precipitation and Wind Direction

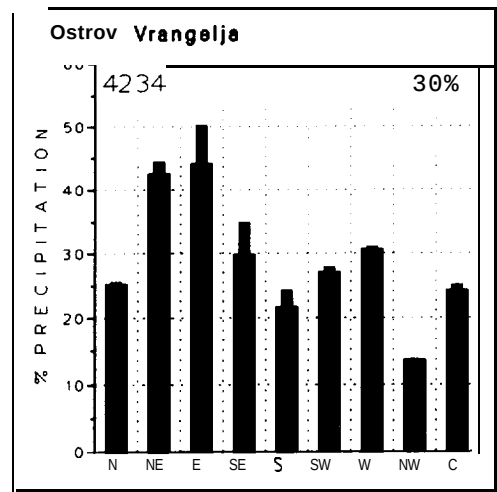

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Cape Lisburne
Ostrov Vrangelja
Mys Shmidta
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
11144
16%
Mould Bay
9692
23%
Marine Area A
566
13%
Marine Area B
4625
14%
Marine Area C
7050
6%
Marine Area D
2267
14%
% PRECIPITATION
N NE E SE S SW W NW C

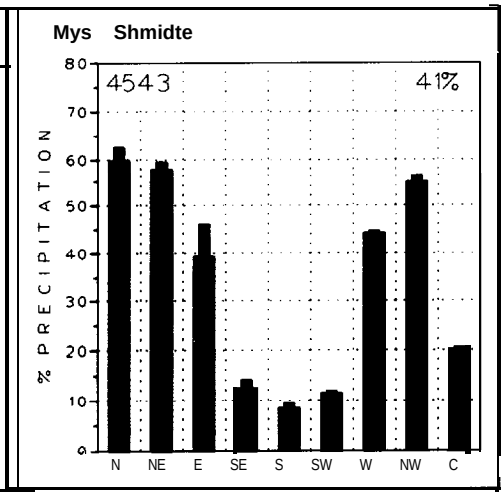


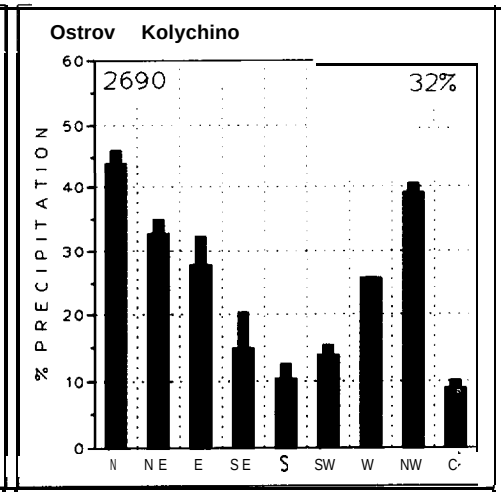
September

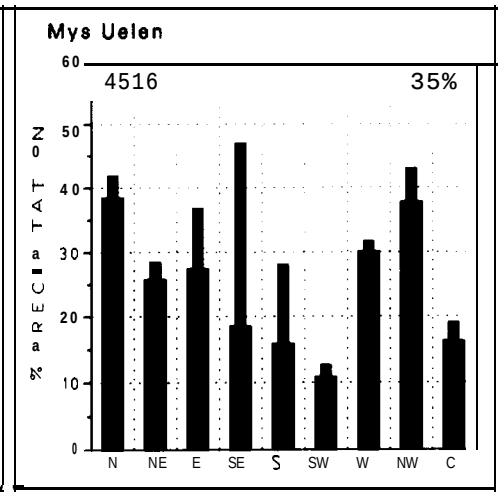
1 Precipitation and Wind Direction

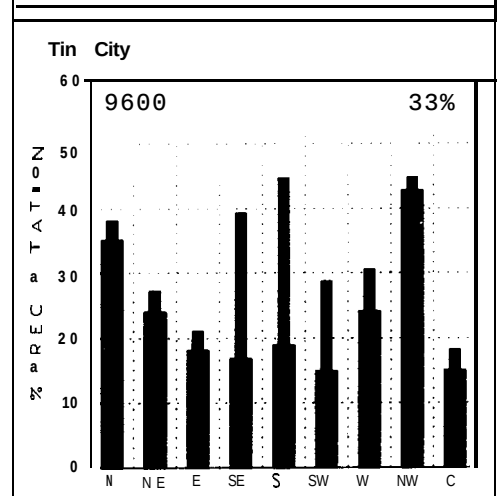

A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10774
22%
Mould Bay
9464
33%
Marine Area A
622
23%
Marine Area B
2396
22%
Marine Aree C
6498
9%
Marine Ares D
1976
17%
% PRECIPITATION
N NE E SE S SW W NW C

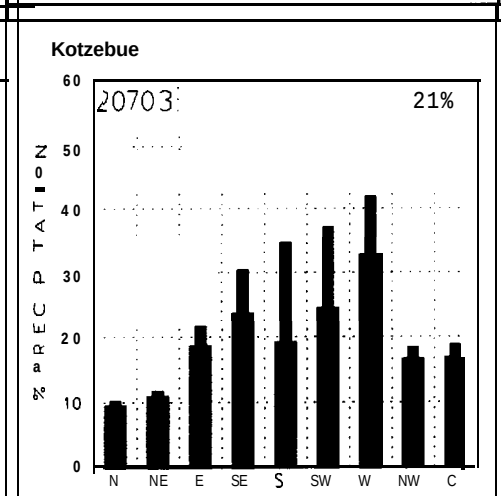

Ostrov Vrangelja
4234
30%
% PRECIPITATION
N NE E SE S SW W NW C

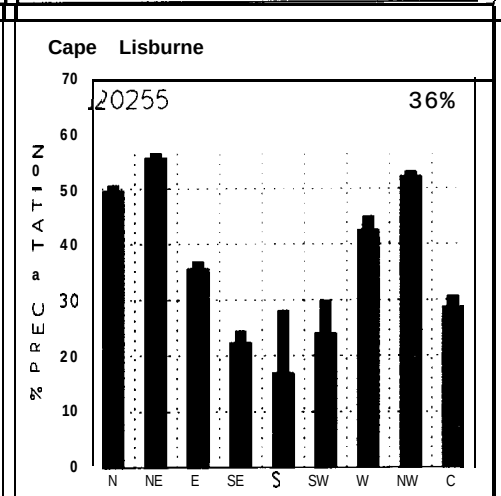

Mys Shmidte
4543
41%
% PRECIPITATION
N NE E SE S SW W NW C

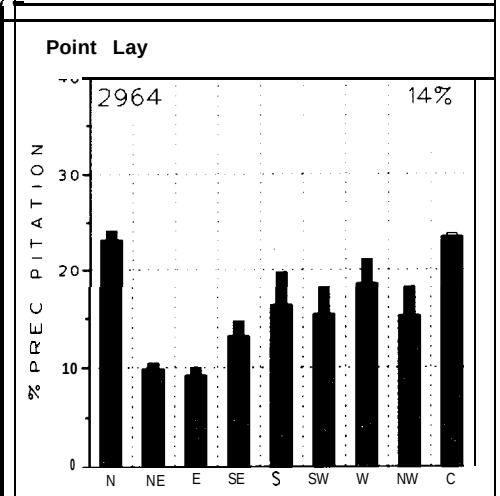

Ostrov Kolychino
2690
32%
% PRECIPITATION
N NE E SE S SW W NW C

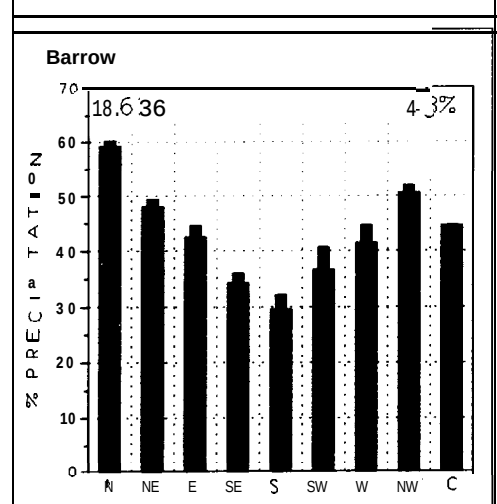

Mys Uelen
4516
35%
N NE E SE S SW W NW C

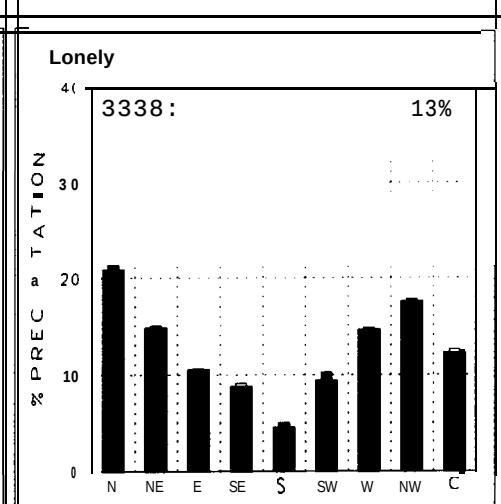

Tin City
9600
33%
N NE E SE S SW W NW C

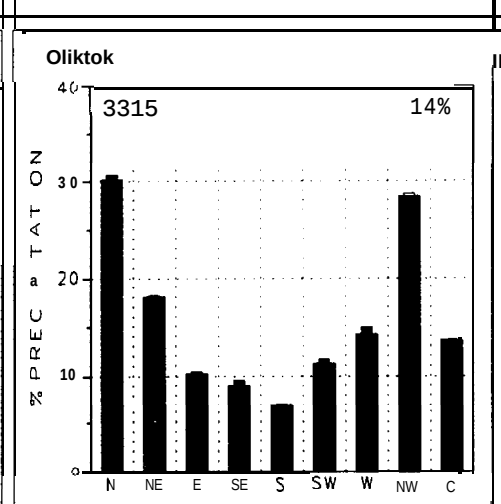

Kotzebue
20703
21%
N NE E SE S SW W NW C

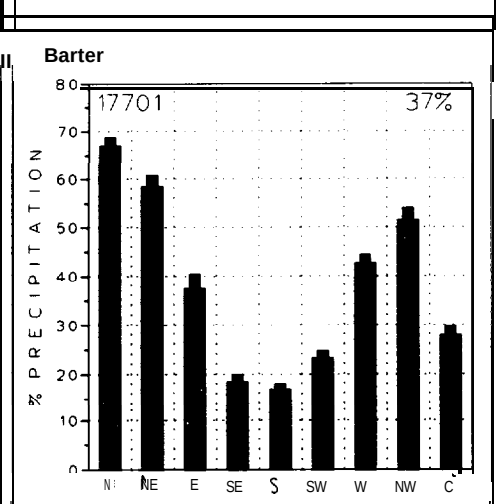

Cape Lisburne
20255
36%
N NE E SE S SW W NW C

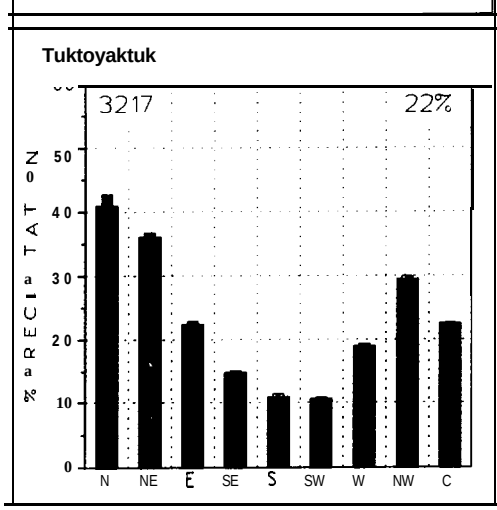

Point Lay
2964
14%
N NE E SE S SW W NW C

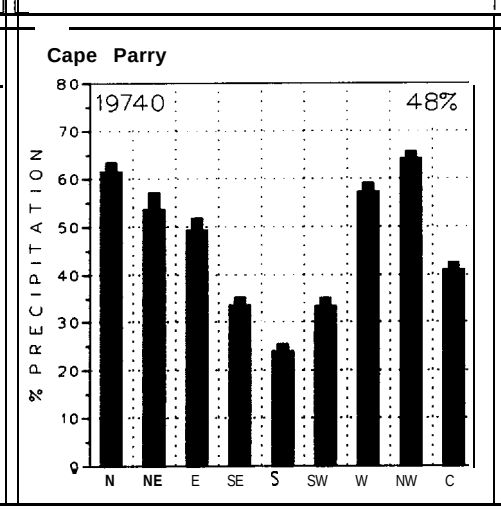

Barrow
18636
N NE E SE S SW W NW C

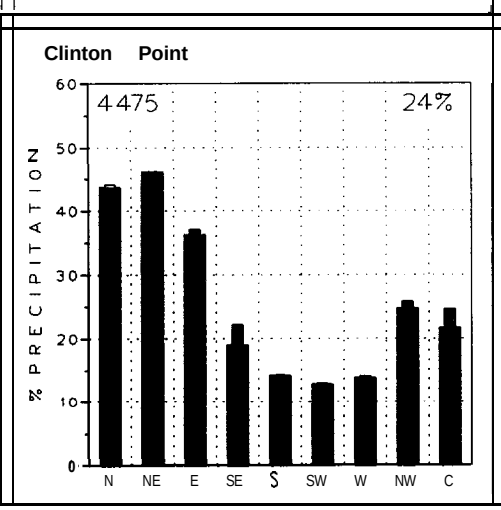

Lonely
3338
13%
N NE E SE S SW W NW C

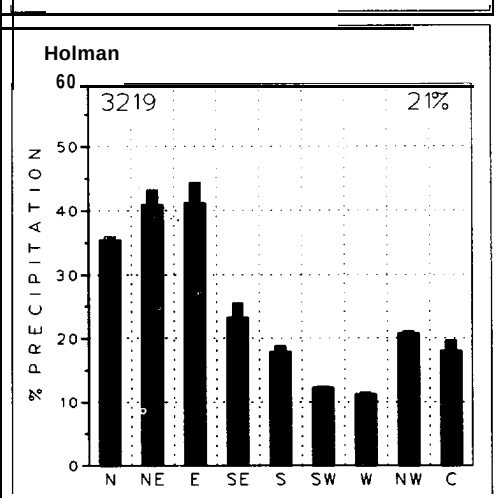

Oliktok
3315
14%
N NE E SE S SW W NW C

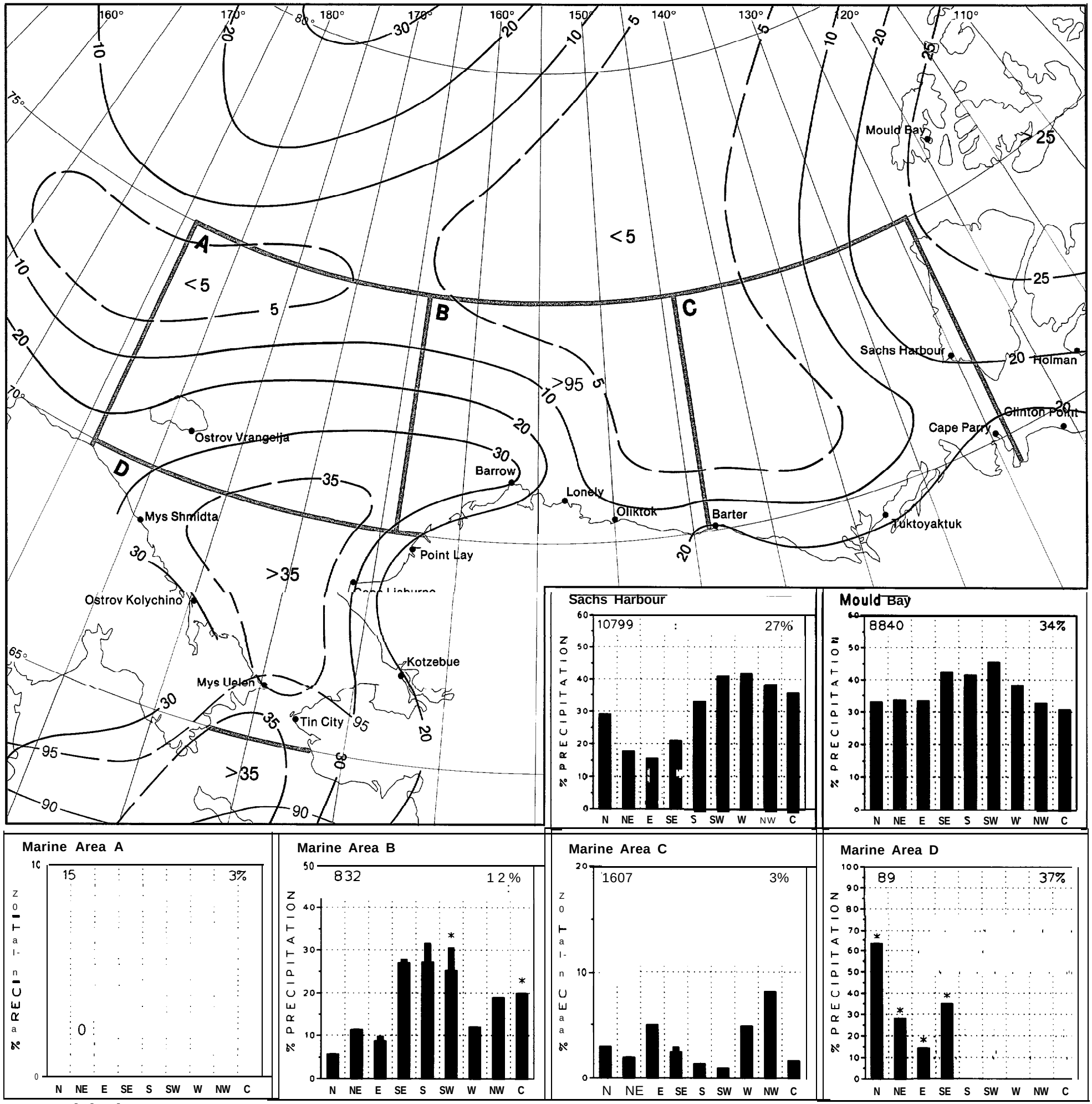

Barter
17701
37%
N NE E SE S SW W NW C


Tuktoyaktuk
3217
22%
N NE E SE S SW W NW C


Cape Parry
19740
48%
% PRECIPITATION
N NE E SE S SW W NW C

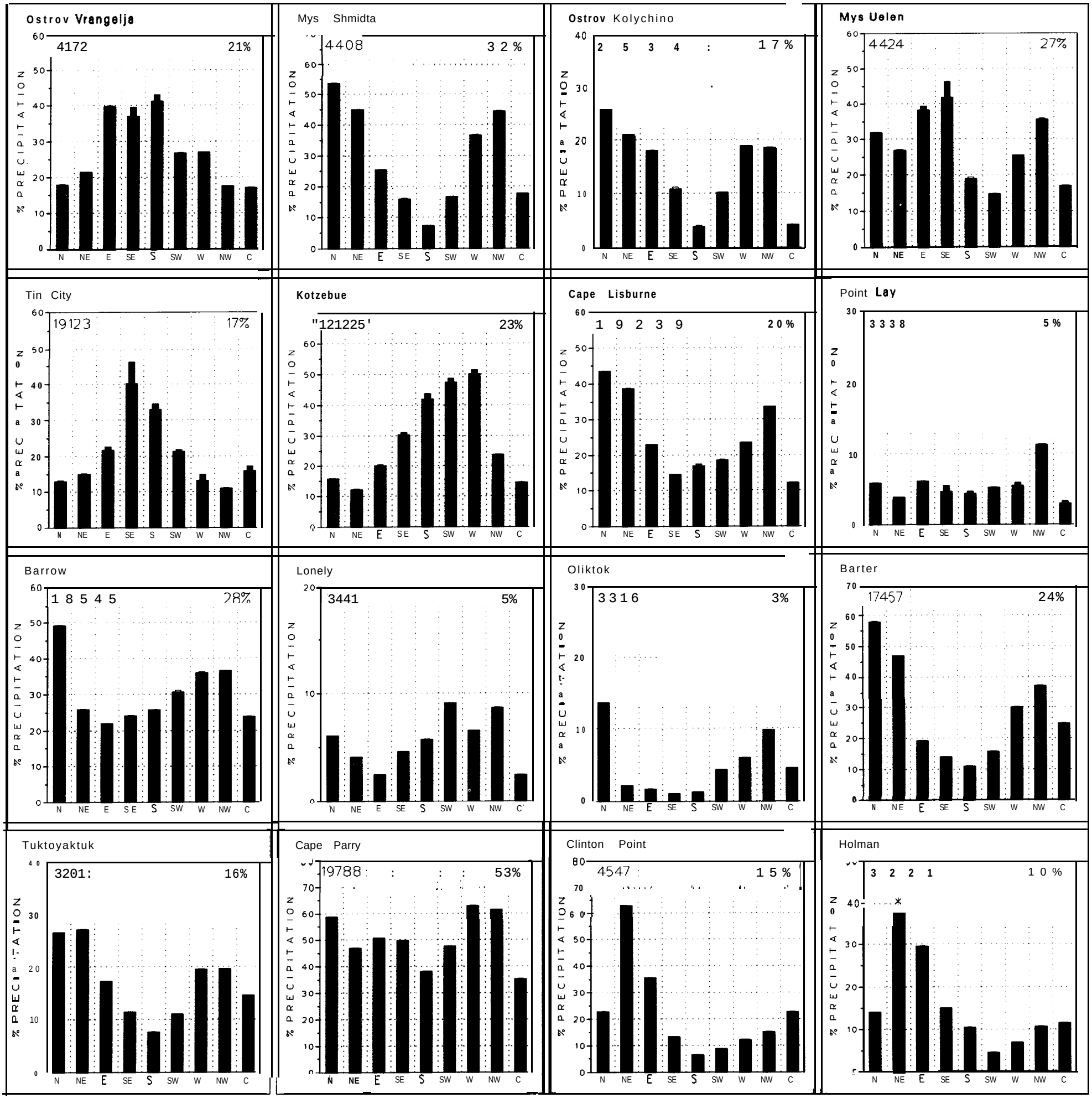

Clinton Point
4475
24%
% PRECIPITATION
N NE E SE S SW W NW C

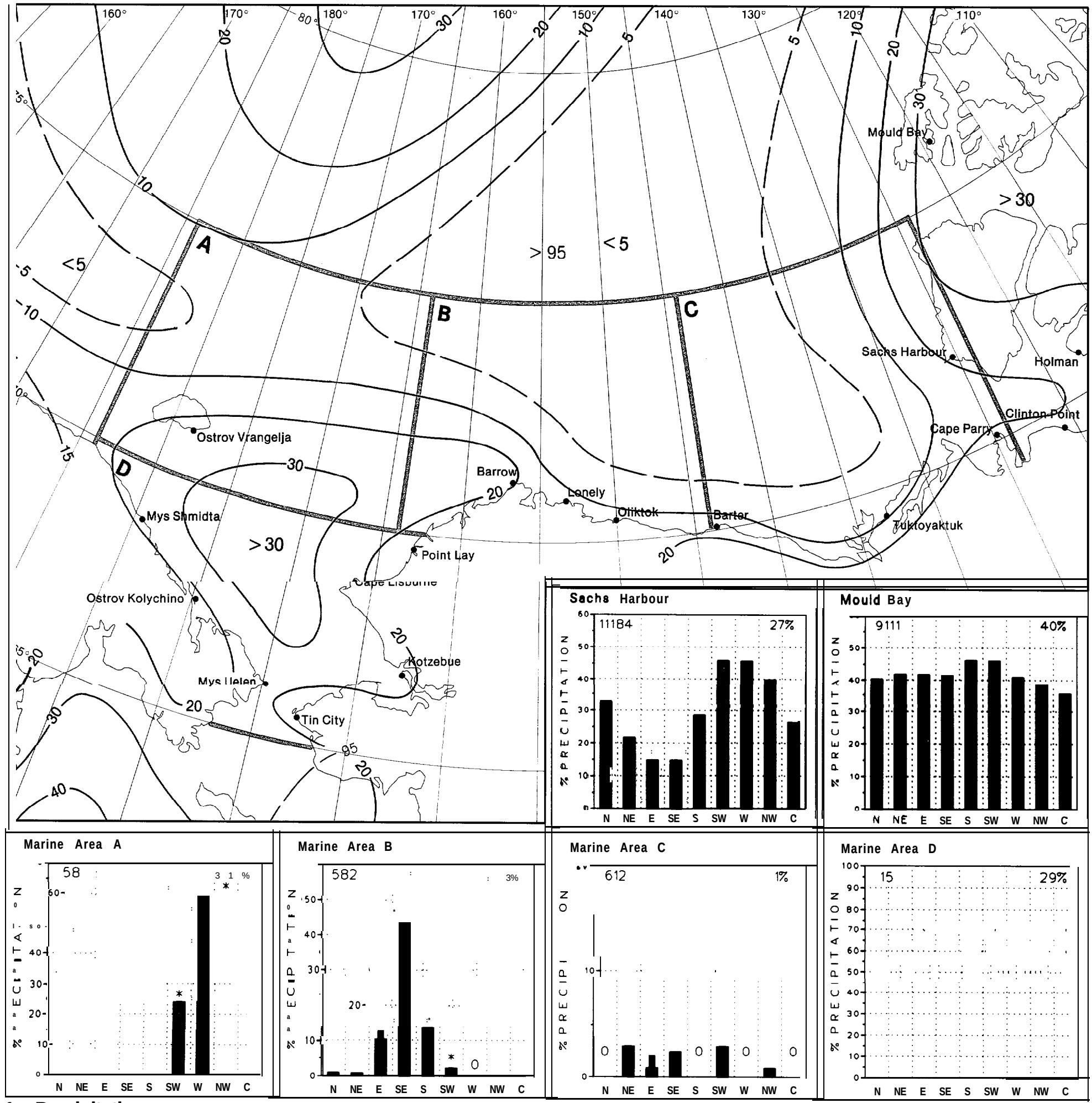

Holman
3219
21%
% PRECIPITATION
N NE E SE S SW W NW C



1 Precipitation

November


Ostrov Vrangelja
4172
21%
Mys Shmidta
4408
32%
Ostrov Kolychino
2534
17%
Mys Uelen
4424
27%
Tin City
19123
17%
Kotzebue
121225
23%
Cape Lisburne
19239
20%
Point Lay
3338
5%
Barrow
18545
28%
Lonely
3441
5%
Oliktok
3316
3%
Barter
17457
24%
Tuktoyaktuk
3201
16%
Cape Parry
19788
53%
Clinton Point
4547
15%
Holman
3221
10%
% PRECIPITATION
N NE E SE S SW W NW C


A
B
C
D
> 95
< 5
> 30
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
11184
27%
Mould Bay
9111
40%
% PRECIPITATION
N NE E SE S SW W NW C
Marine Area A
58
31%
Marine Area B
582
3%
Marine Area C
612
1%
Marine Area D
15
29%

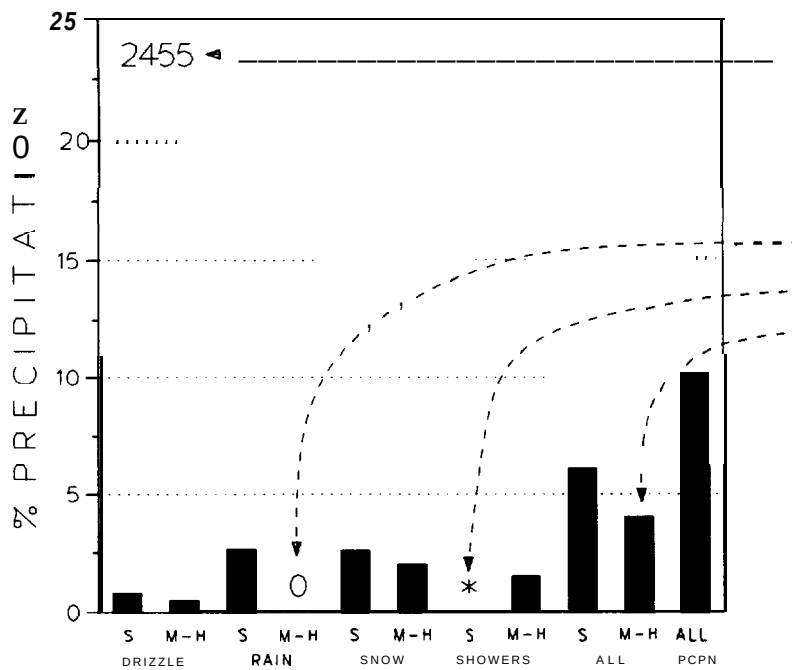
Map 2. Wind/visibility/cloudiness

BLACK LINE – Percent frequency of optimum conditions: Low cloud ceiling (LCC) 25000 feet, (or no LCC), visibility ≧5 nautical miles and wind 11-21 knots.

BLUE LINE – Percent frequency of poor conditions. Any one of the following constitutes poor conditions: LCC <300 feet, visibility <1 nautical mile or wind <6 or ≧34 knots.

Albers Equal-Area Conic Projection

Graphs: Precipitation types



Percent frequency of precipitation by type and intensity (S - slight, M - moderate and H- heavy).

Number of observations.

Bars show percent frequency of observations reporting Precipitation of various types and intensities.

0 indicates no observations in the category

∗ indicates <.05% but >0.

(4% of all observations recorded moderate to heavy precipitation.)

Present weather elements that can be reported in an observation are thunderstorms, lightning, waterspouts, squalls, fog, haze, smoke, dust, and all forms of precipitation. Most present weather codes (ww = 00-99, see table) apply to phenomena occurring at the time of observation, but a few refer to phenomena occurring in the past hour. The highest applicable numerical ww code figure is recorded (except that code 17 has preference over 20 to 49, inclusive). Precipitation includes all forms of water particles, whether liquid or solid, that fall to the earth's surface -rain, drizzle, snow, snow pellets, snow grains, ice crystals, ice pellets, and hail. Each form is classified by its character (continuous, intermittent, showery, or combination), intensity (slight, moderate, or heavy), and type (liquid, freezing, or frozen). In this study, frozen precipitation is defined as any precipitation that reaches the ground in frozen form; it does not include liquid that freezes upon impact with the ground or exposed objects. Refer to the text in Set 1 for additional information on precipitation.

PRESENT WEATHER (WMO Code, 1982)

The present weather (ww) code is arranged in priority order. Reading down the list, select the first applicable (most severe) weather condition that you observe and enter the code number for ww.

50-99 PRECIPITATION AT SHIP AT TIME OF ' OBSERVATION

95-99 THUNDERSTORM AT TIME OF OBSERVATION

99	Heavy thunderstorm with hail'
98	Thunderstorm with duststorm or sandstorm
97	Heavy thunderstorm with rain and/or snow, but no hail*
96	Slight or moderate thunderstorm with hail*
95	Slight or moderate thunderstorm with rain or snow, but no hail'

'Includes hail, ice pellets, or snow pellets

91-94 THUNDERSTORM DURING THE PAST HOUR BUT NOT AT THE TIME OF OBSERVATION

Note: Use code 29 if there is no precipitation at time of observation.

94	Moderate or heavy snow, or rain and snow mixed, or hail'	*Thunderstorm in past hour*
93	Slight snow, or rain and snow mixed, or hail'	
92	Moderate or heavy rain	
91	Slight rain	

'Includes hail, ice pellets, or snow pellets

85-90 SOLID PRECIPITATION IN SHOWERS

Slight		Moderate or Heavy
69	Shower or hail', no thunder	90
87	Shower of snow pellets or ice pelletst	88
a5	Shower of snow	86

†With or without rain, or rain and snow mixed
*Include hail, ice pellets, or snow pellets

80.84 RAIN SHOWERS

84	Shower of rain and snow mixed, moderate or heavy
a3	Shower of rain and snow mixed, slight
82	Violent rain shower
81	Moderate or heavy rain shower
80	Slight rain shower

70-79 SOLID PRECIPITATION NOT FALLING AS SHOWERS

79	Ice pellets
78	Isolated star-like snow crystals(with or without fog)
77	Snow grains (with or without fog)
76	Diamond dust (with or without fog)

Intermittent		Continuous
74	Heavy snow in flakes	75
72	Moderate snow in flakes	73
70	Slight snow in flakes	71

60-69 RAIN (NOT FALLING AS SHOWERS)

Slight		Moderate or Heavy
68	Rain or drizzle with snow	69
66	Freezing rain	67

Intermittent		Continuous
64	Heavy rain	65
62	Moderate rain	63
60	Slight rain	61

50.59 DRIZZLE

Slight		Moderate or heavy
58	Drizzle and rain mixed	59
56	Freezing drizzle	57

Intermittent		Continuous
54	Heavy drizzle	55
52	Moderate drizzle	53
50	Slight drizzle	51

00.49 NO PRECIPITATION AT SHIP AT TIME OF OBSERVATION

17	Thunder at time of observation, no precipitation at ship

40-49 FOG AT TIME OF OBSERVATION

(Visibility in fog is less than ½ nautical mile)

Sky visible		Sky invisible
48	Fog, depositing rime	49
46	Fog, has begun or thickened in past hour	47
44	Fog, no change in past hour	45
42	Fog, has become thinner in past hour	43
41	Fog in patches	
40	Fog at a distance but not at ship in past hour	

30-39 (Not likely to be used in ship reports)

Slight or moderate		Heavy
38	Blowing snow, high (aboveeye level)	39
36	Drifting snow, low (below eye level)	37

32	Duststorm or sandstorm, increasing	35
31	Duststorm or sandstorm, unchanging	34
30	Duststorm or sandstorm, decreasing	33

20-29 PHENOMENA IN PAST HOUR BUT NOT AT TIME OF OBSERVATION

29	Thunderstorm, with or without precipitation	
28	Fog (in past hour but not at time of obs.)	
27	Shower(s) of hail*, or of hail', and rain mixed	
26	Shower(s) of snow, or of rain and snow mixed	
25	Shower(s) of rain	
24	Freezing drizzle or freezing rain	*Not falling as showers*
23	Rain and snow mixed, or ice pellets	
22	Snow	
21	Rain (not freezing)	
20	Drizzle (not freezing) or snow grains	

'Includes hail, ice pellets or snow pellets

18-19 SQUALLS, FUNNEL CLOUDS

19	Funnel cloud(s) seen in past hour or at time of obs.
18	Squalls (no precip.) in past hour or at time of obs.

13-16 PHENOMENA WITHIN SIGHT BUT NOT AT SHIP

16	Precip. within 3 naut. mi.-reaching surface
15	Precip. beyond 3 naut. mi.-reaching surface
14	Precipitation in sight, not reaching surface
13	Lightning visible, no thunder heard

10-12 MIST AND SHALLOW FOG

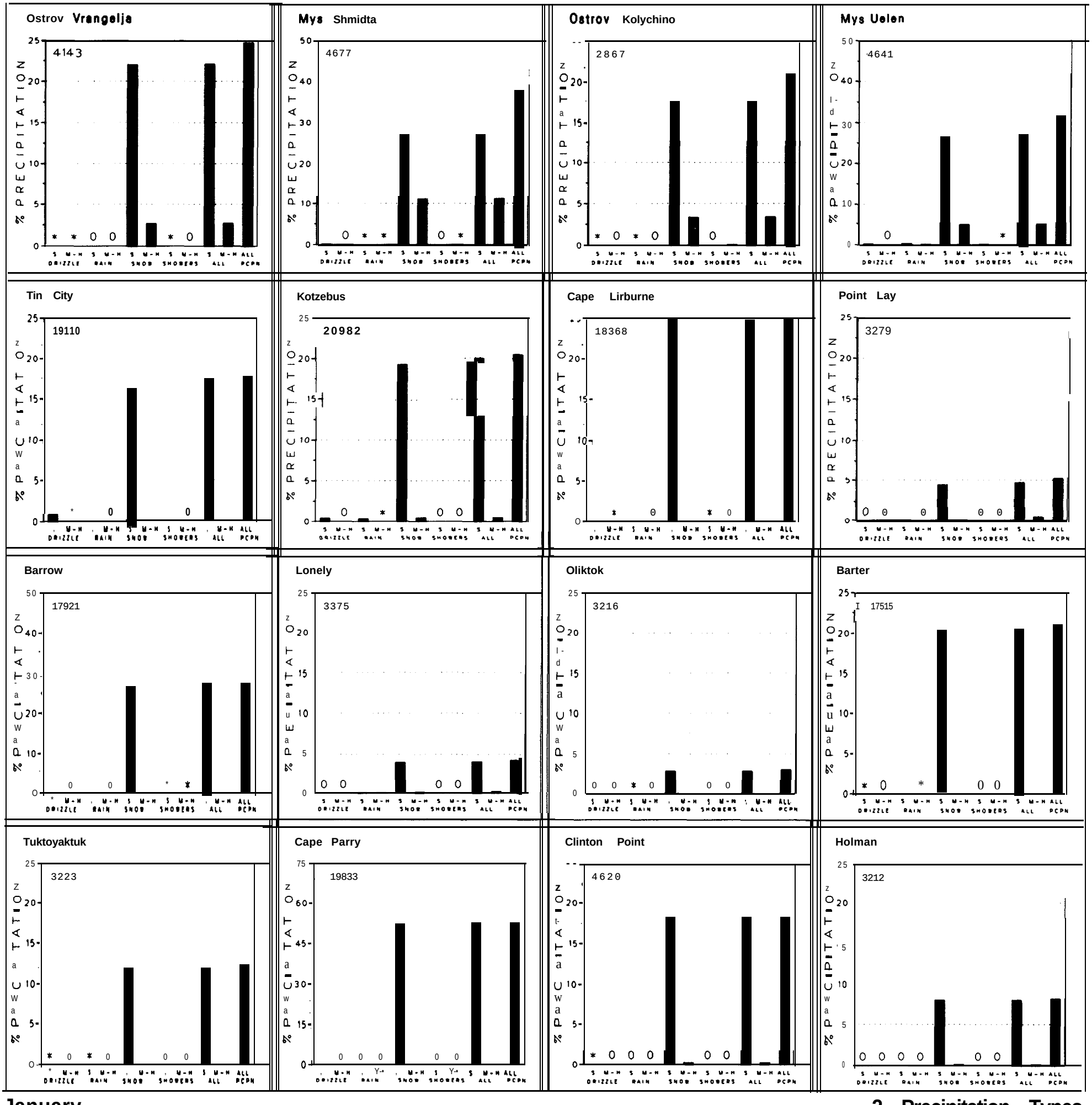
12	Shallow fog-more or less continuous	*Fog not deeper than 10 m (33 feet)*
11	Shallow fog in patches	
10	Mist (Visibility ½ nautical mile or more)	

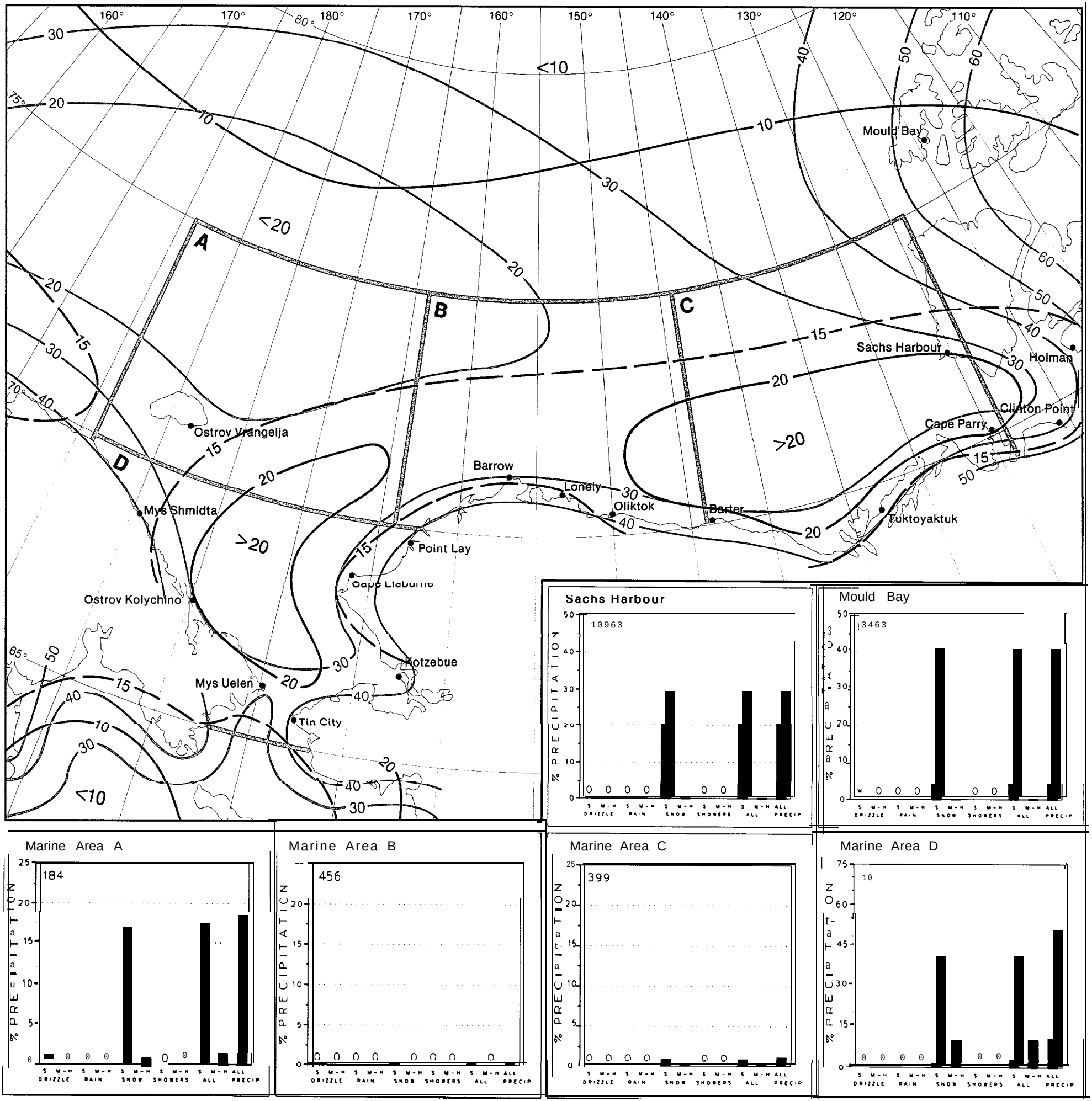
04-09 HAZE, DUST, SAND, OR SMOKE

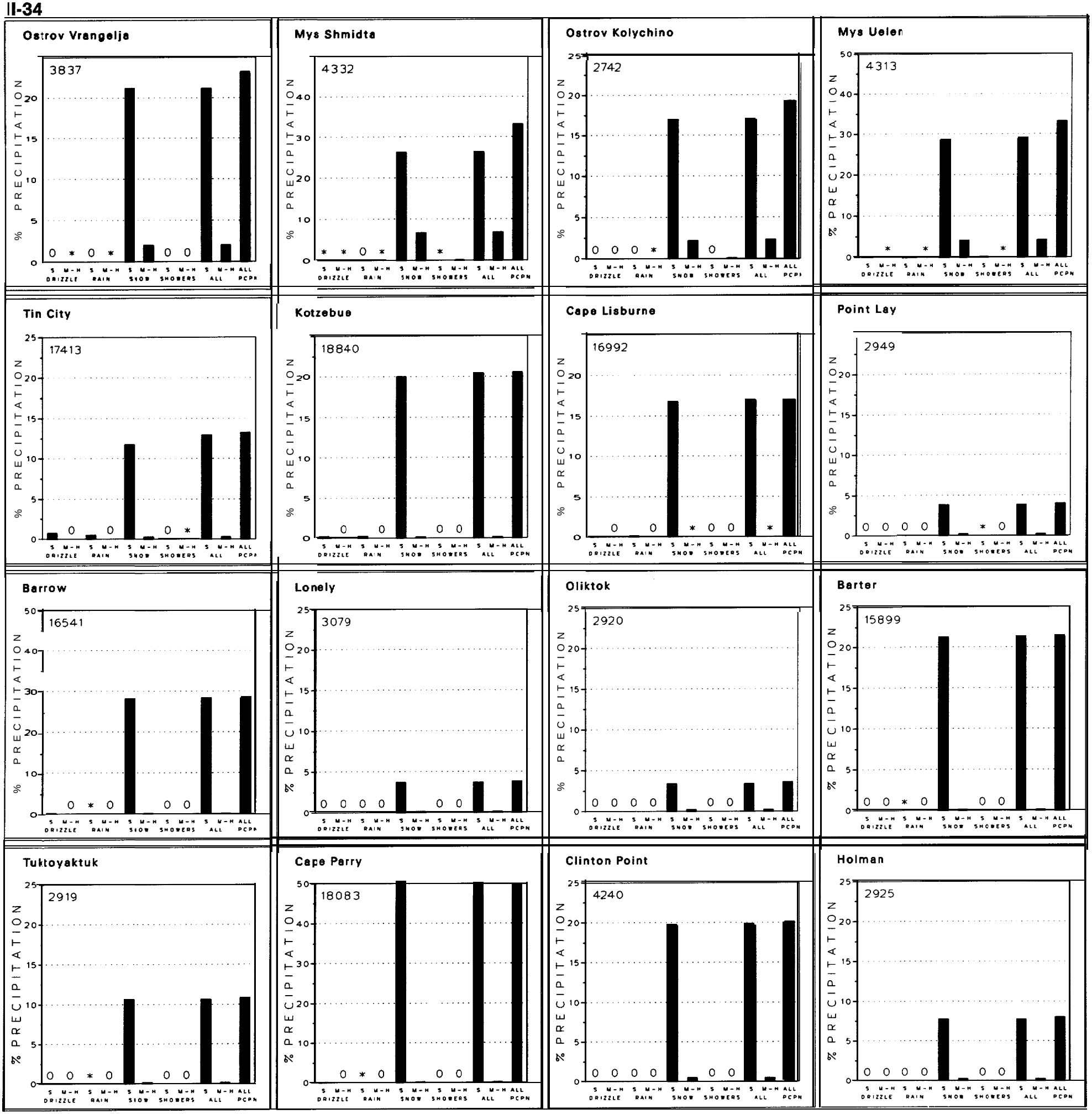
09	Duststorm or sandstorm within sight
08	Dust whirls in past hour (NOT FOR MARINE USE)
07	Blowing spray at ship
06	Widespread dust suspended in the air
05	Dry haze
04	Visibility reduced by smoke

00-03 CHANGE OF SKY DURING PAST HOUR

Code figs.	
03	Clouds generally forming or developing
02	State of the sky on the whole unchanged
01	Clouds dissolving or becoming less developed
00	Cloud development not observable


Ostrov Vrangelja
4143
Mys Shmidta
4677
Ostrov Kolychino
2867
Mys Uelen
4641
Tin City
19110
Kotzebus
20982
Cape Lirburne
18368
Point Lay
3279
Barrow
17921
Lonely
3375
Oliktok
3216
Barter
17515
Tuktoyaktuk
3223
Cape Parry
19833
Clinton Point
4620
Holman
3212
% PRECIPITATION
DRIZZLE
RAIN
SNOW
SHOWERS
ALL
PCPN


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Cape Lisburne
Ostrov Kolychino
Mys Shmidta
Mys Uelen
Kotzebue
Tin City
A
B
C
D
Sachs Harbour
10963
Mould Bay
3463
Marine Area A
184
Marine Area B
456
Marine Area C
399
Marine Area D
10
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PRECIP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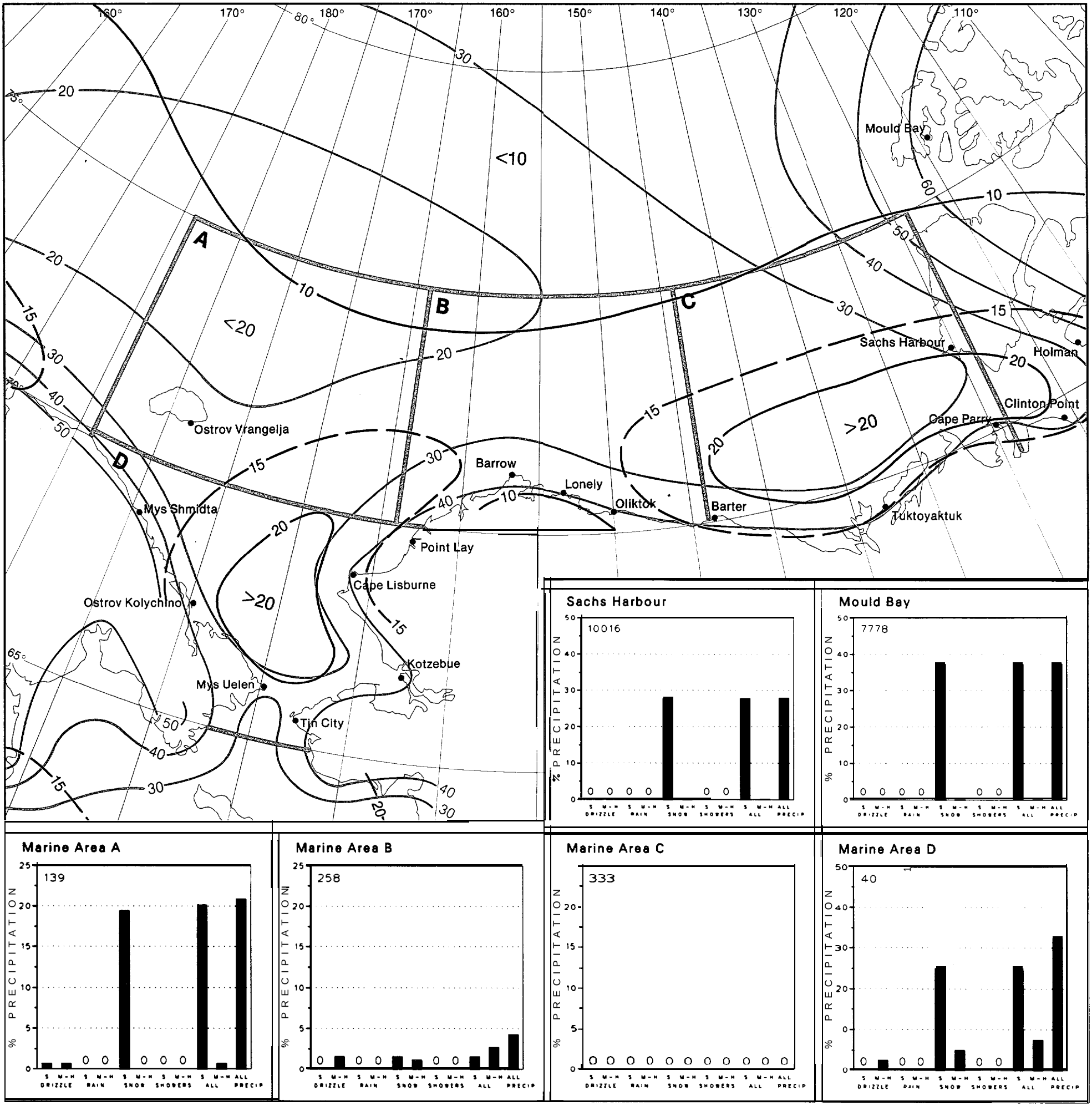
Mys Shmidta
4332
Ostrov Kolychino
2742
Mys Uelen
4313
Tin City
17413
Kotzebue
18840
Cape Lisburne
16992
Point Lay
2949
Barrow
16541
Lonely
3079
Oliktok
2920
Barter
15899
Tuktoyaktuk
2919
Cape Parry
18083
Clinton Point
4240
Holman
2925
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PCPN


Mould Bay
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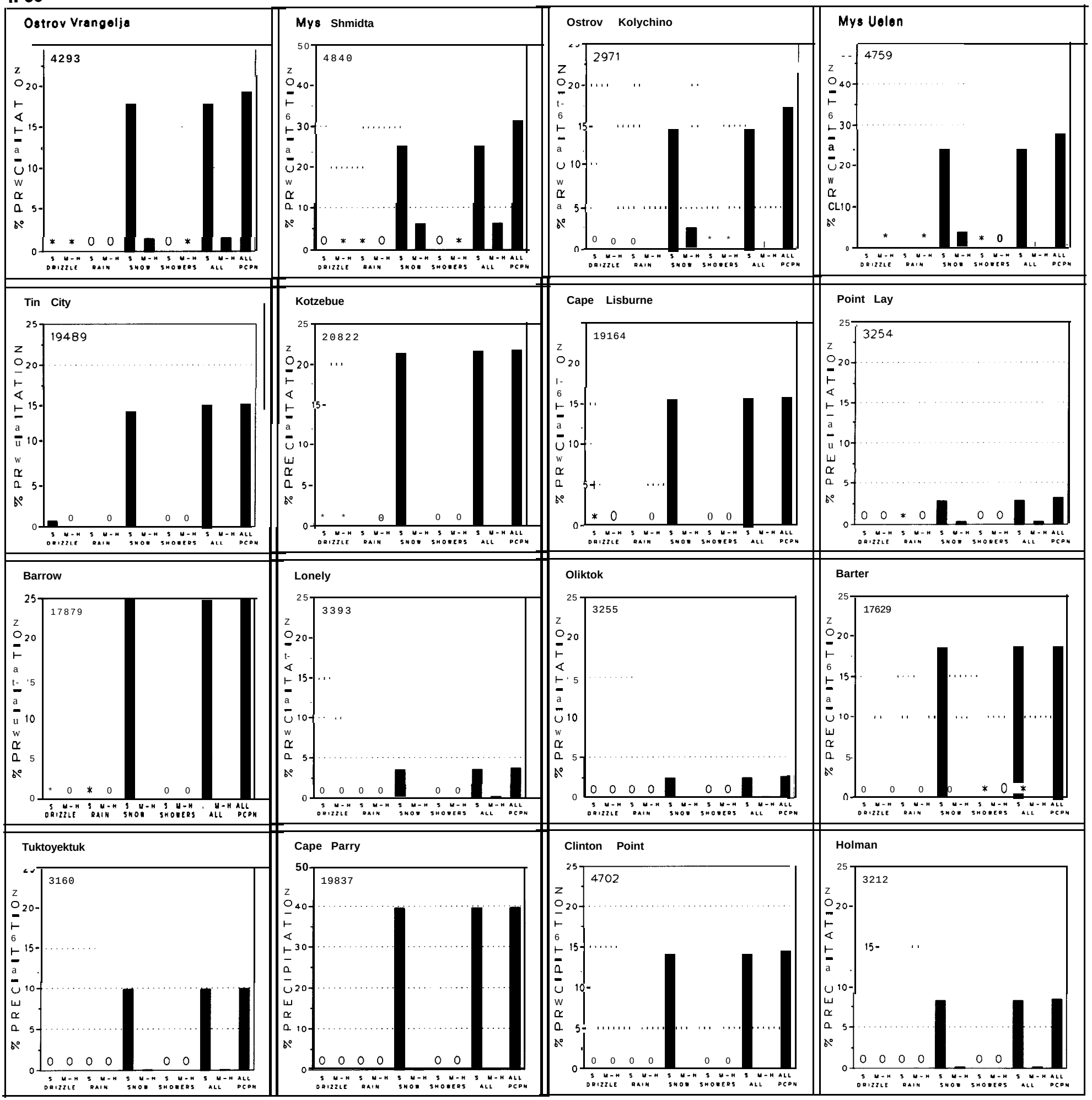
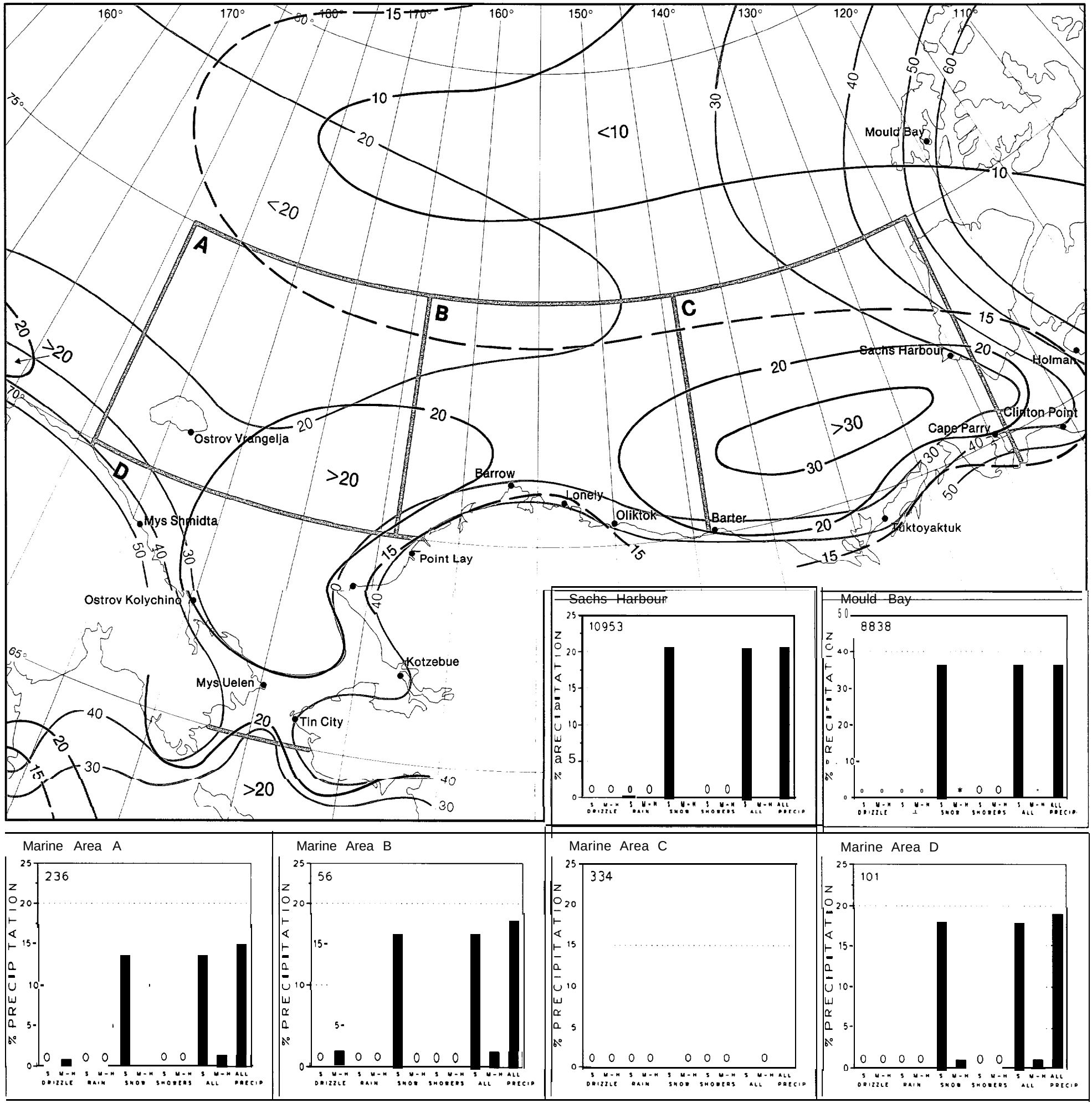
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<10
<20
>20
Sachs Harbour
10016
Mould Bay
7778
Marine Area A
139
Marine Area B
258
Marine Area C
333
Marine Area D
40
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PRECIP

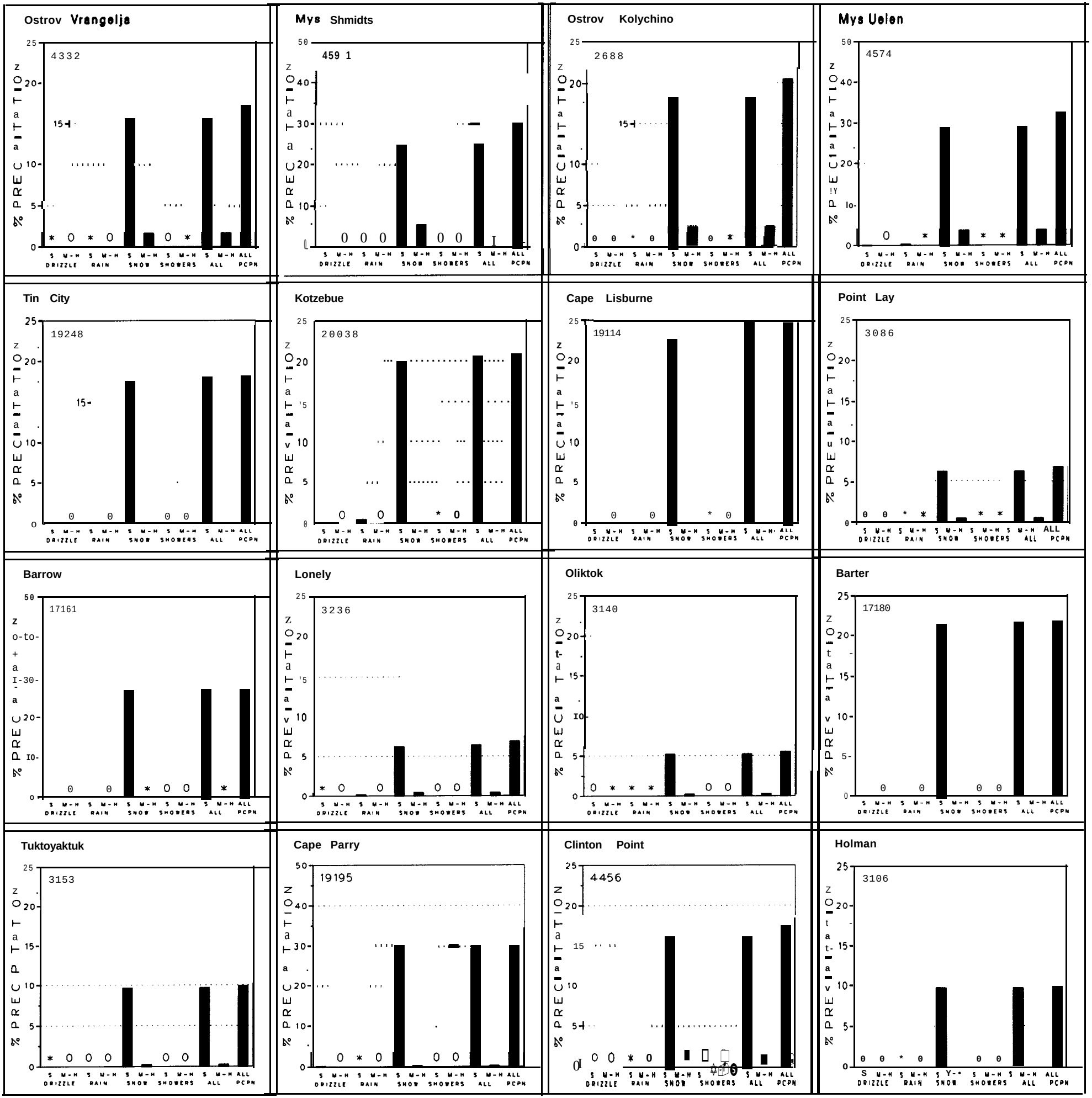


March

2 Precipitation Types



2 Wind=Visibility-Cloudiness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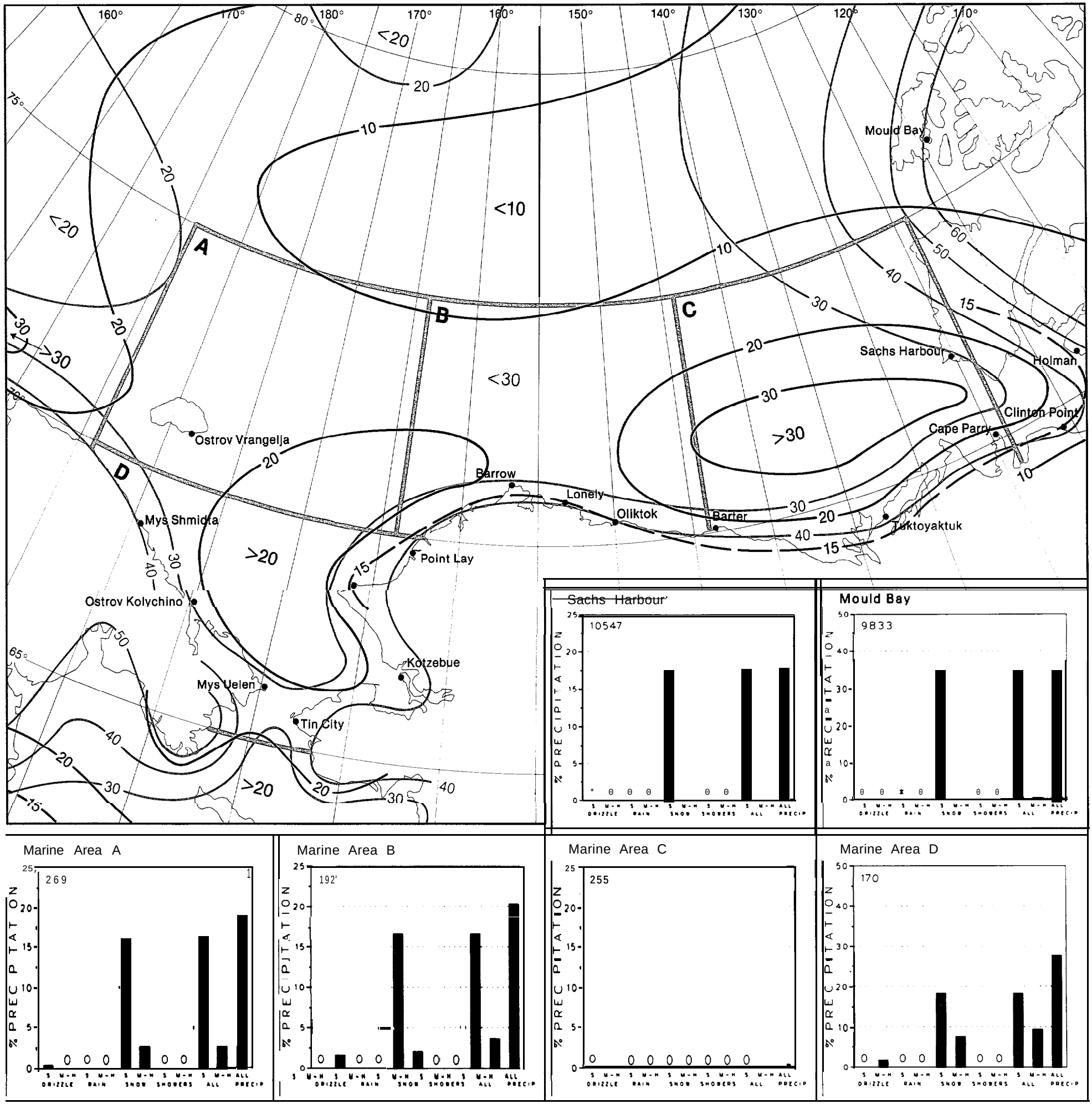
4332
Mys Shmidts
459 1
Ostrov Kolychino
2688
Mys Uelen
4574
Tin City
19248
Kotzebue
20038
Cape Lisburne
19114
Point Lay
3086
Barrow
17161
Lonely
3236
Oliktok
3140
Barter
17180
Tuktoyaktuk
3153
Cape Parry
19195
Clinton Point
4456
Holman
3106
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PCPN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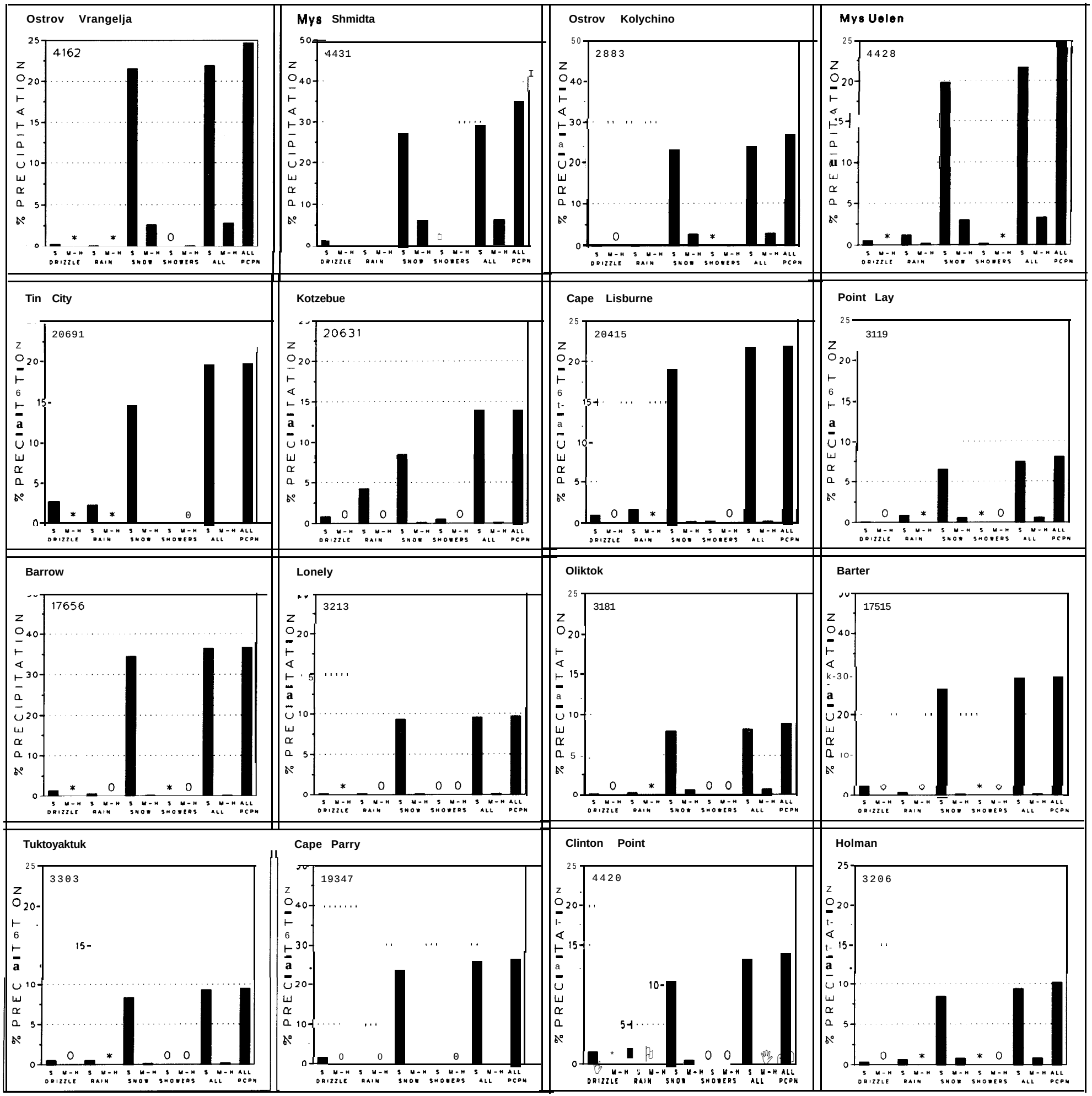
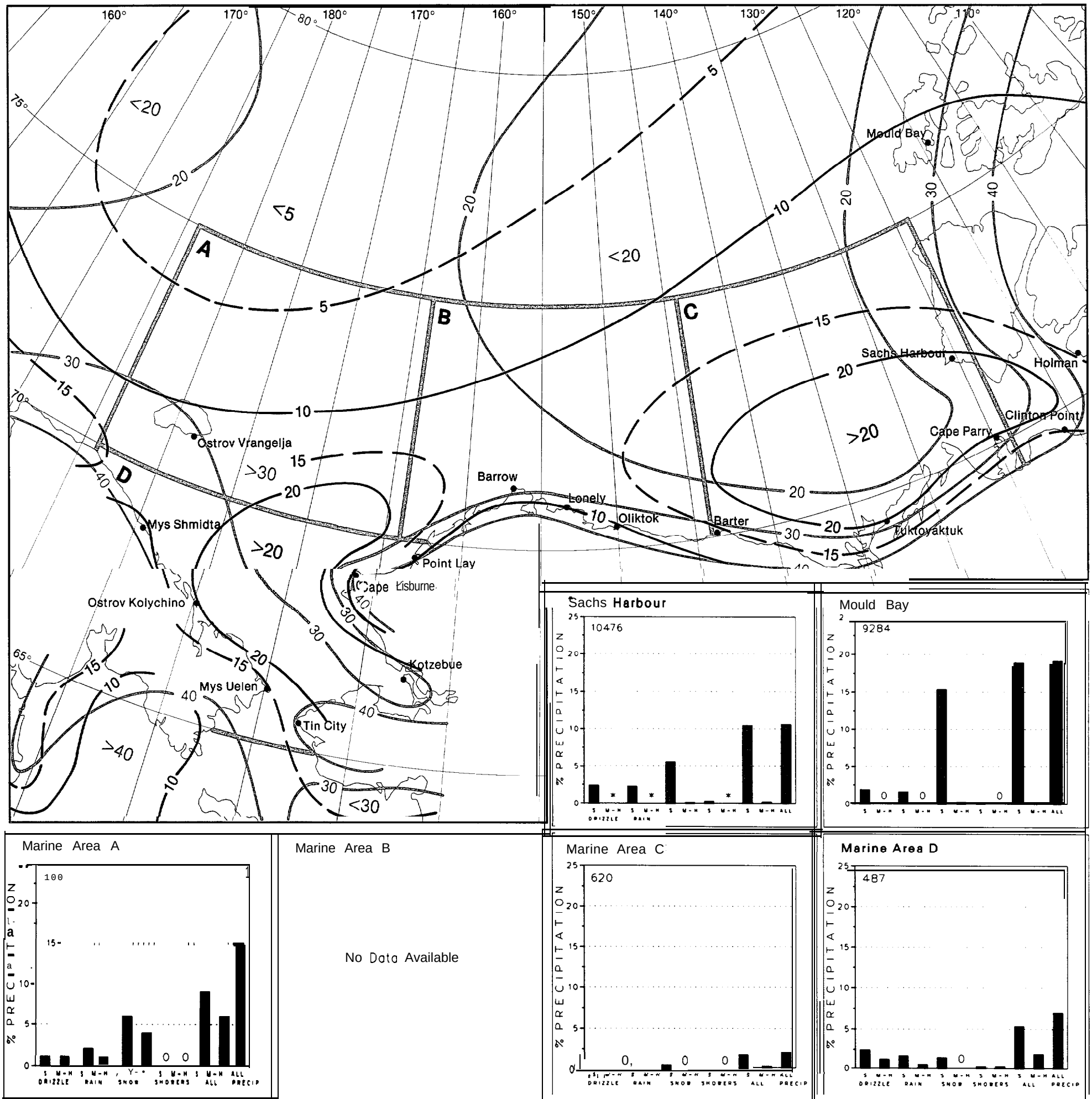
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<20
<10
<30
>30
>20
Sachs Harbour
10547
Mould Bay
9833
Marine Area A
269
Marine Area B
192
Marine Area C
255
Marine Area D
170
% PRECIPITATION
DRIZZLE
RAIN
SNOW
SHOWERS
ALL
PRECIP



May **2 Precipitation Types**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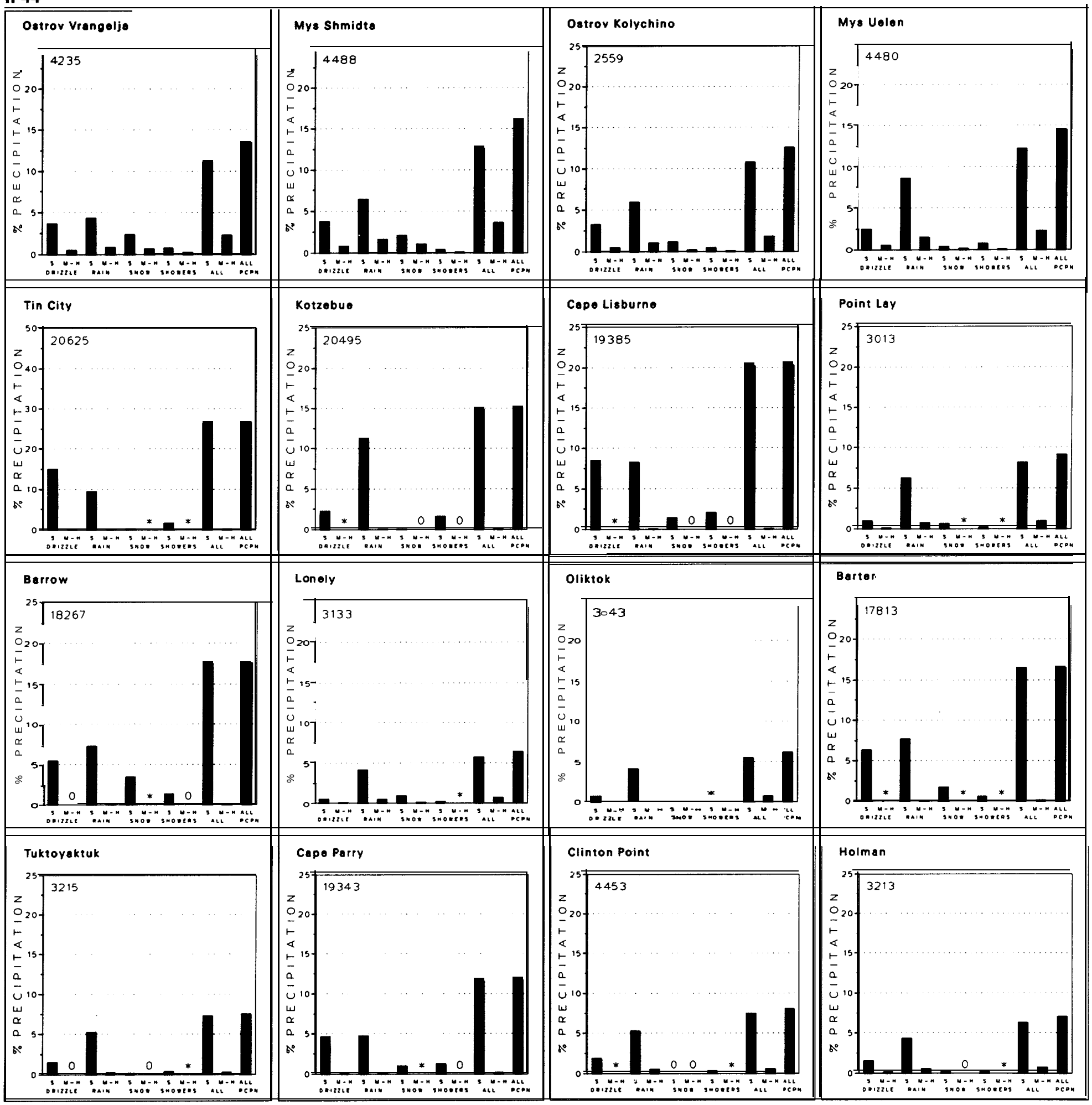
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10476
Mould Bay
9284
Marine Area A
100
Marine Area B
No Data Available
Marine Area C
620
Marine Area D
487
% PRECIPITATION
DRIZZLE
RAIN
SNOW
SHOWERS
ALL
PRECIP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Ostrov Kolychino
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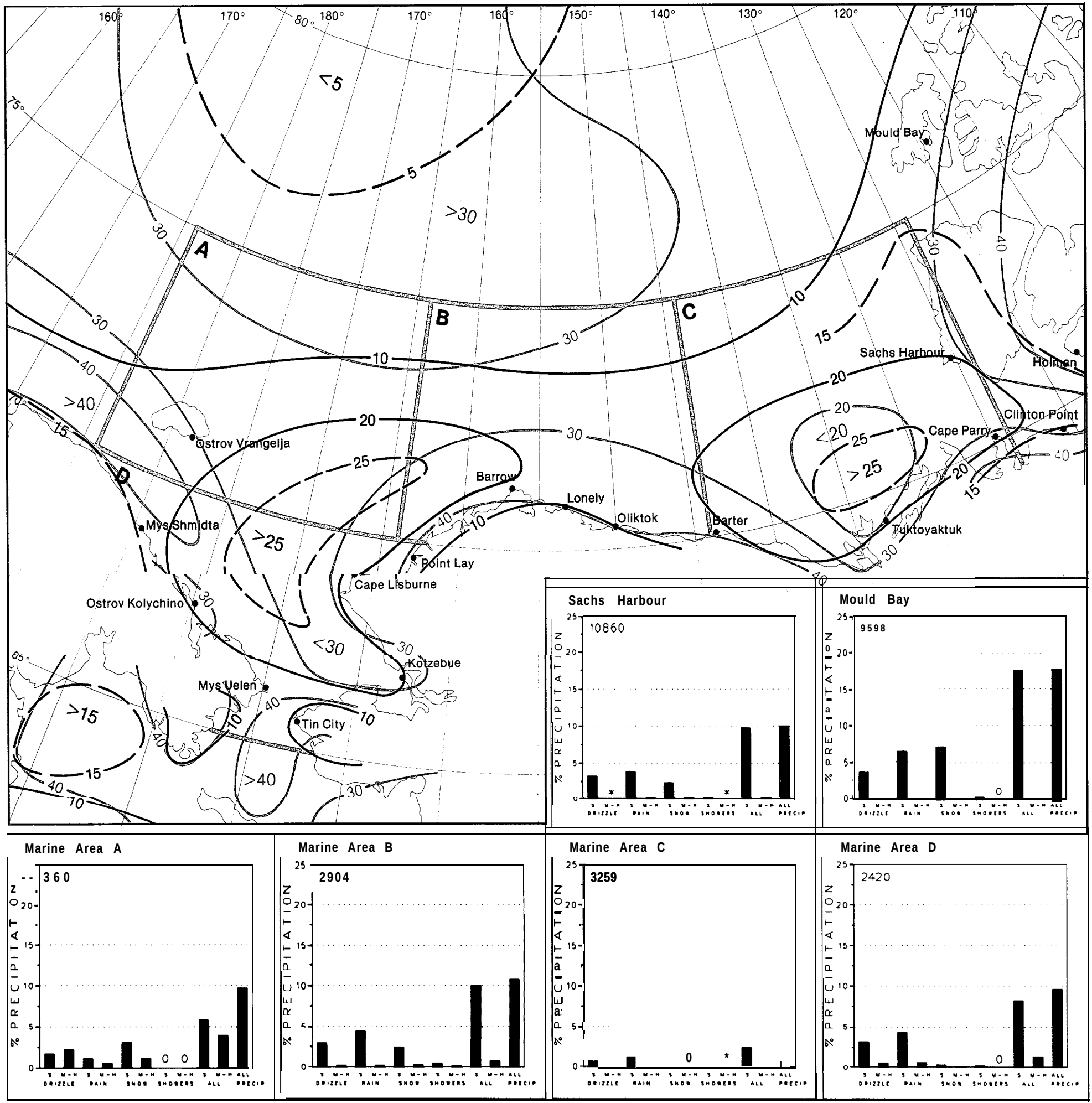
Mys Uelen
4480
Tin City
20625
Kotzebue
20495
Cape Lisburne
19385
Point Lay
3013
Barrow
18267
Lonely
3133
Oliktok
3043
Barter
17813
Tuktoyaktuk
3215
Cape Parry
19343
Clinton Point
4453
Holman
3213
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PCPN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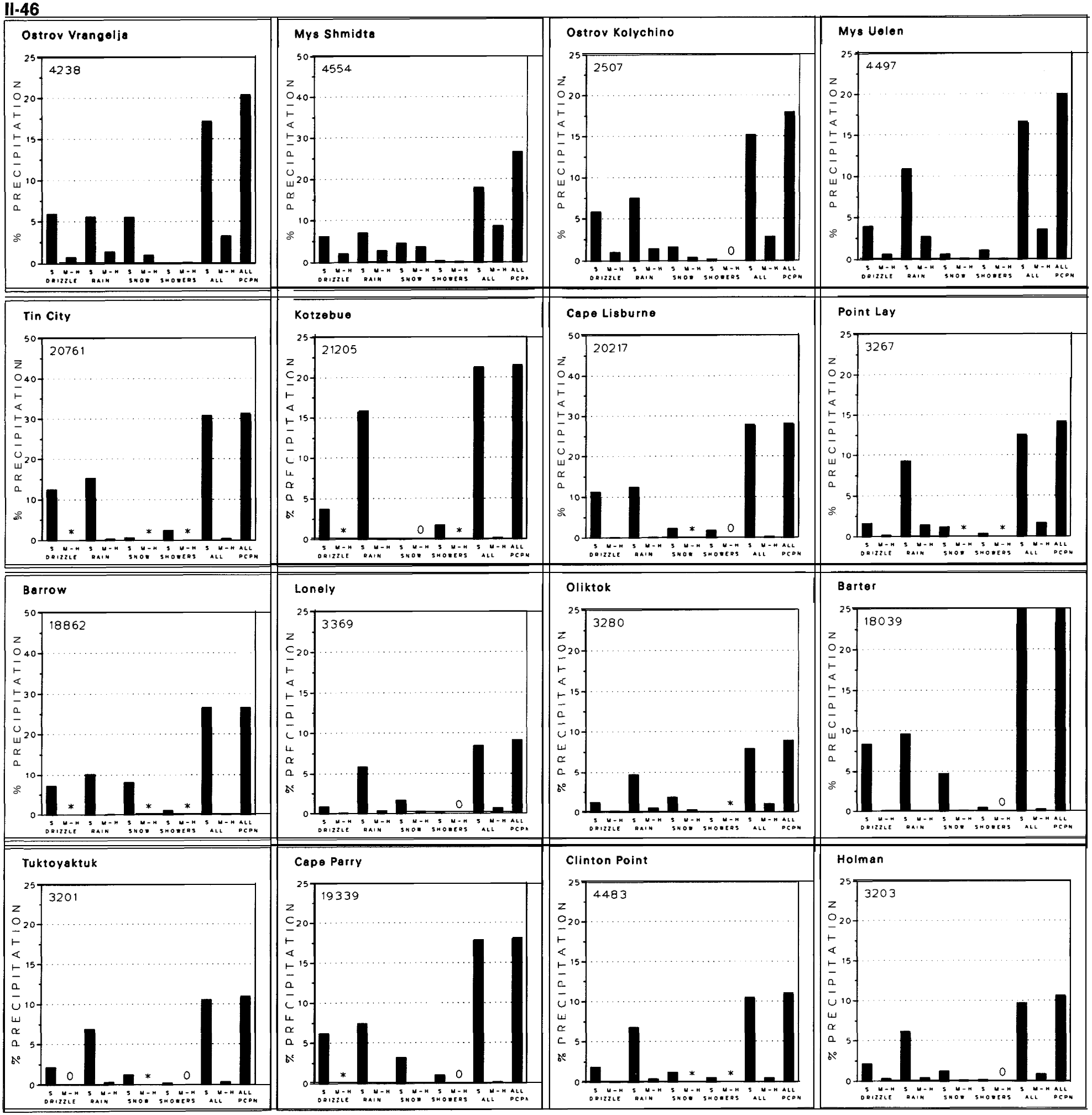
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10860
Mould Bay
9598
Marine Area A
360
Marine Area B
2904
Marine Area C
3259
Marine Area D
2420
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PRECIP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Ostrov Kolychino
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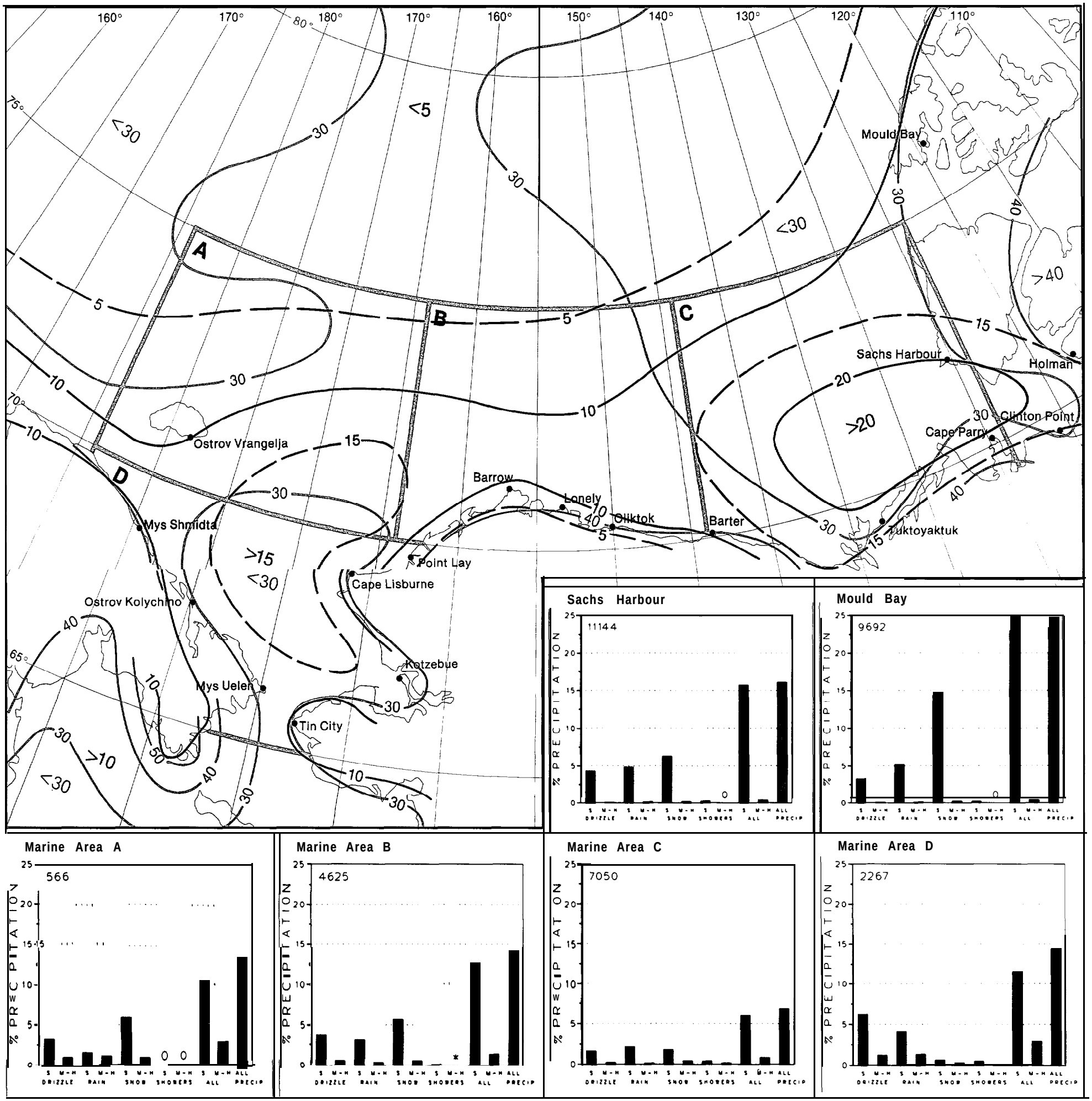
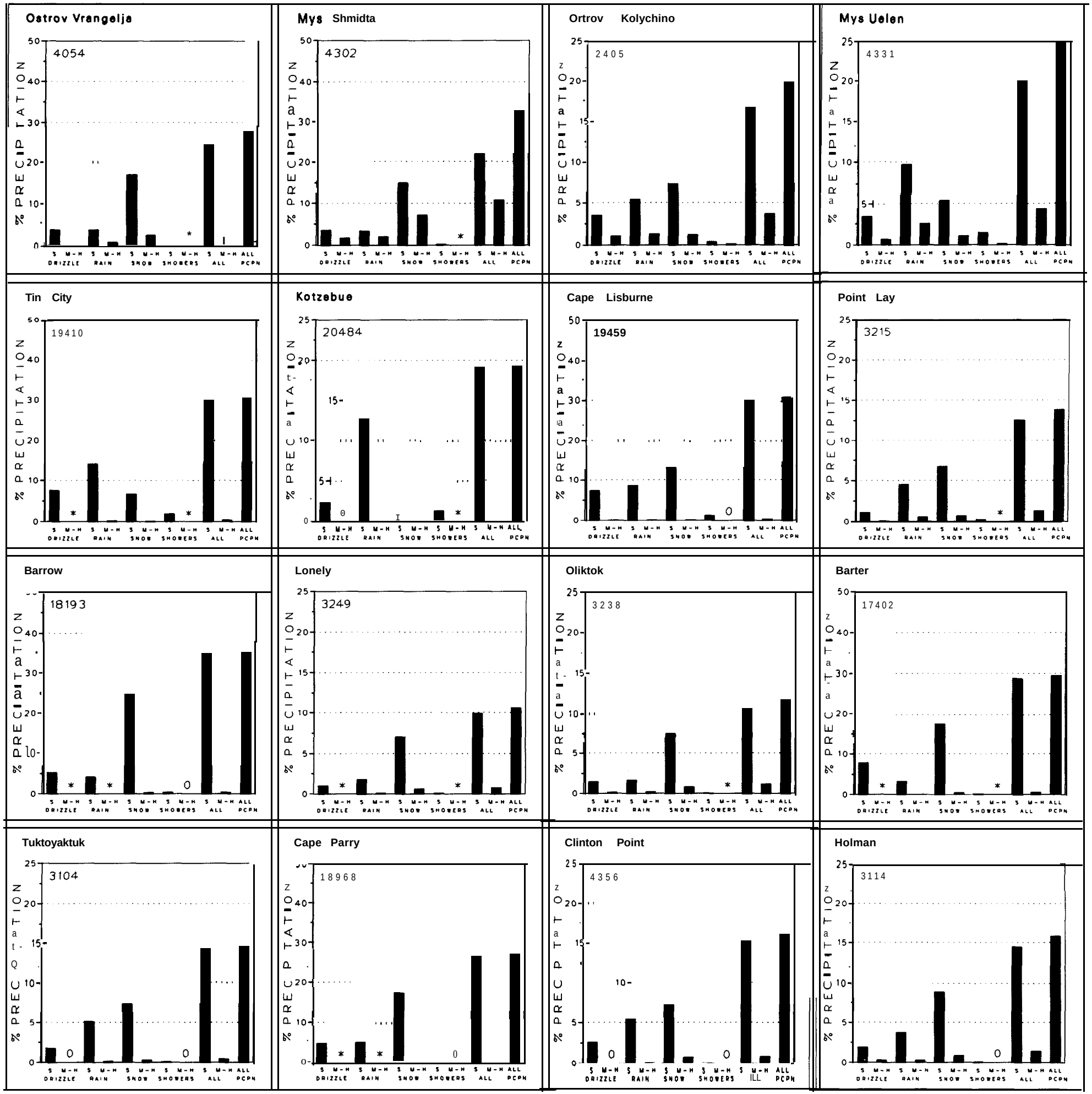
Mys Uelen
4497
Tin City
20761
Kotzebue
21205
Cape Lisburne
20217
Point Lay
3267
Barrow
18862
Lonely
3369
Oliktok
3280
Barter
18039
Tuktoyaktuk
3201
Cape Parry
19339
Clinton Point
4483
Holman
3203
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PCPN


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Cape Lisburne
Mys Shmidta
Ostrov Kolychmo
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
11144
Mould Bay
9692
Marine Area A
566
Marine Area B
4625
Marine Area C
7050
Marine Area D
2267
% PRECIPITATION
DRIZZLE
RAIN
SNOW
SHOWERS
ALL
PRECIP


Ostrov Vrangelja
4054
Mys Shmidta
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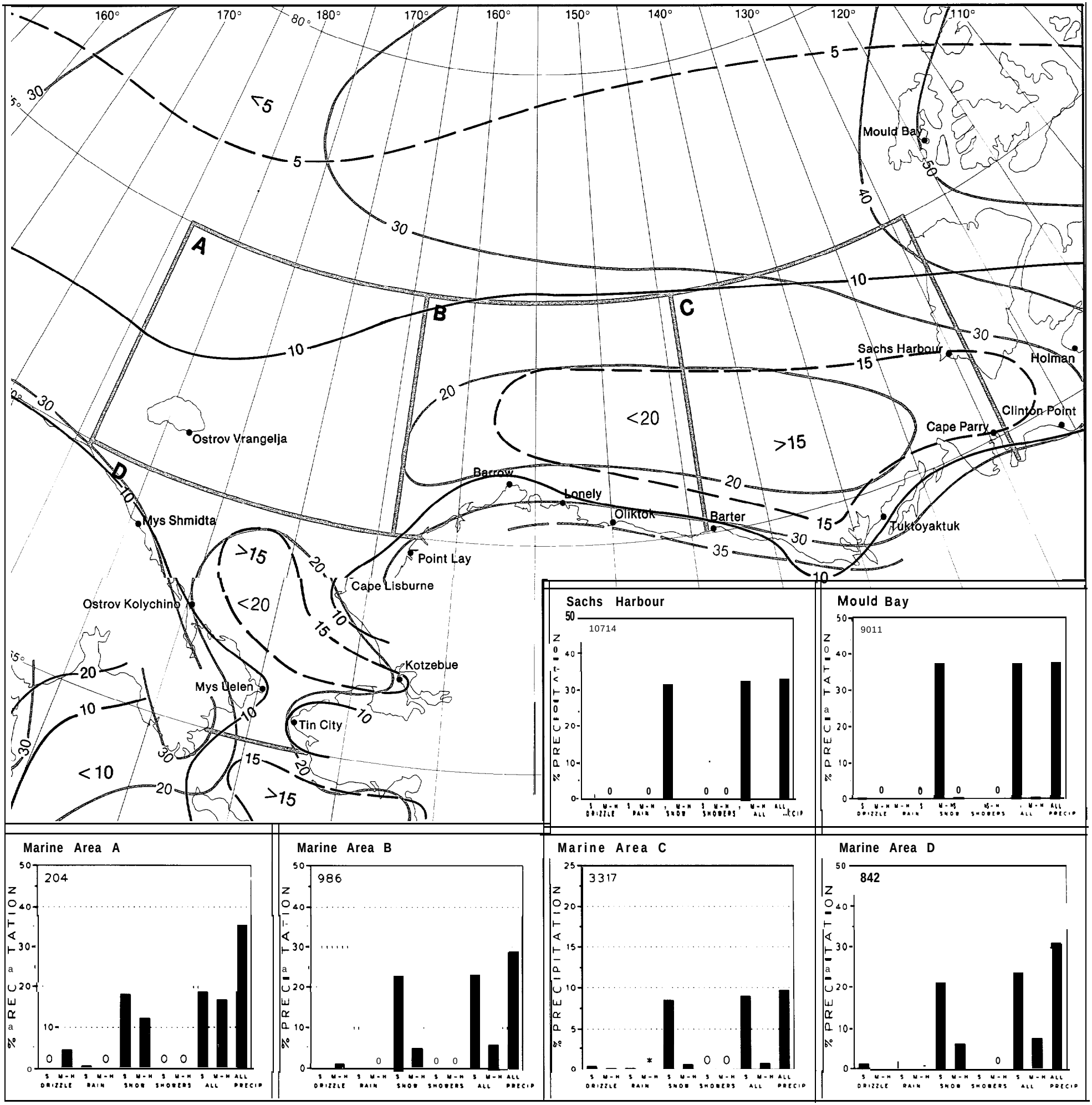
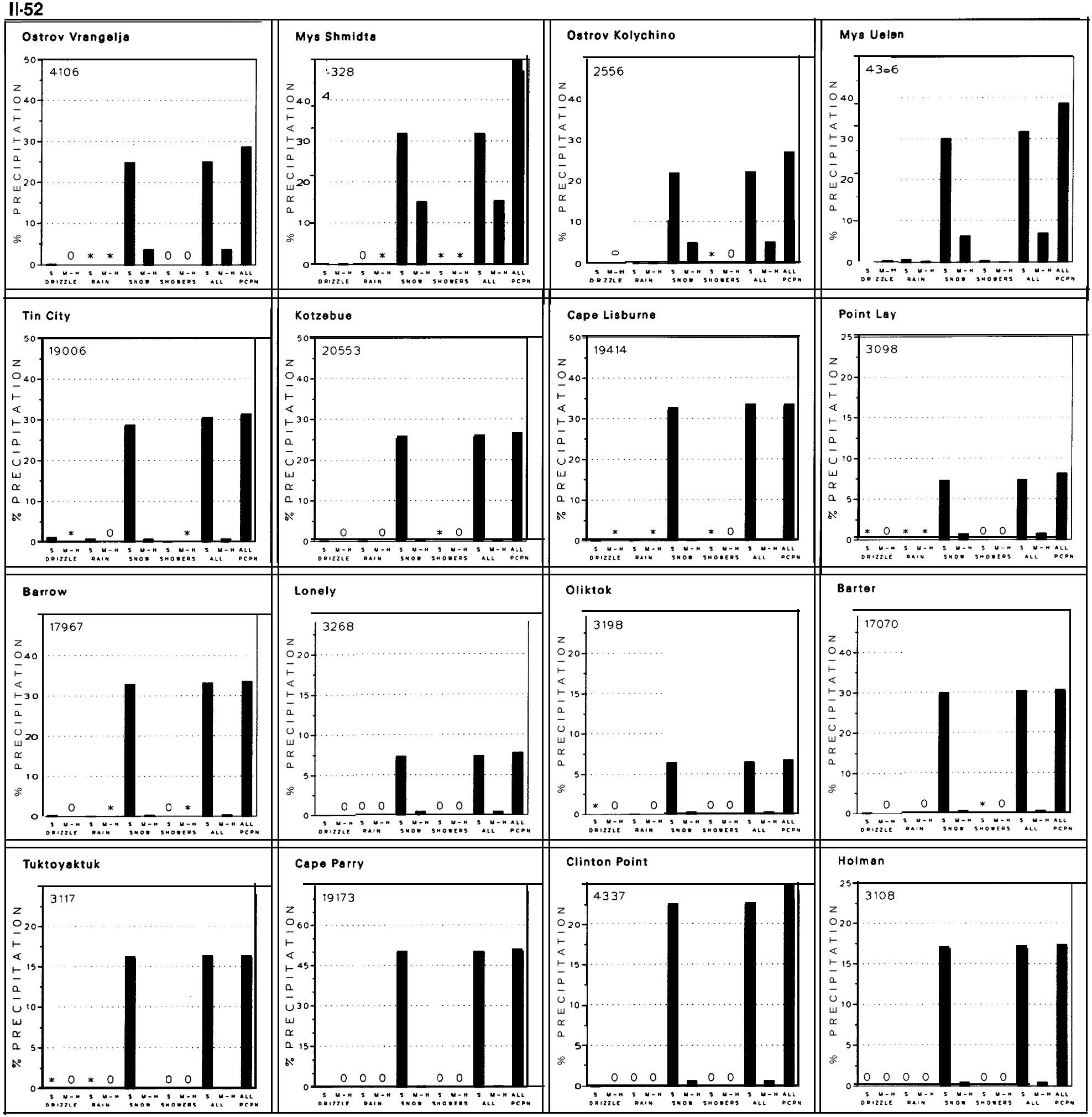
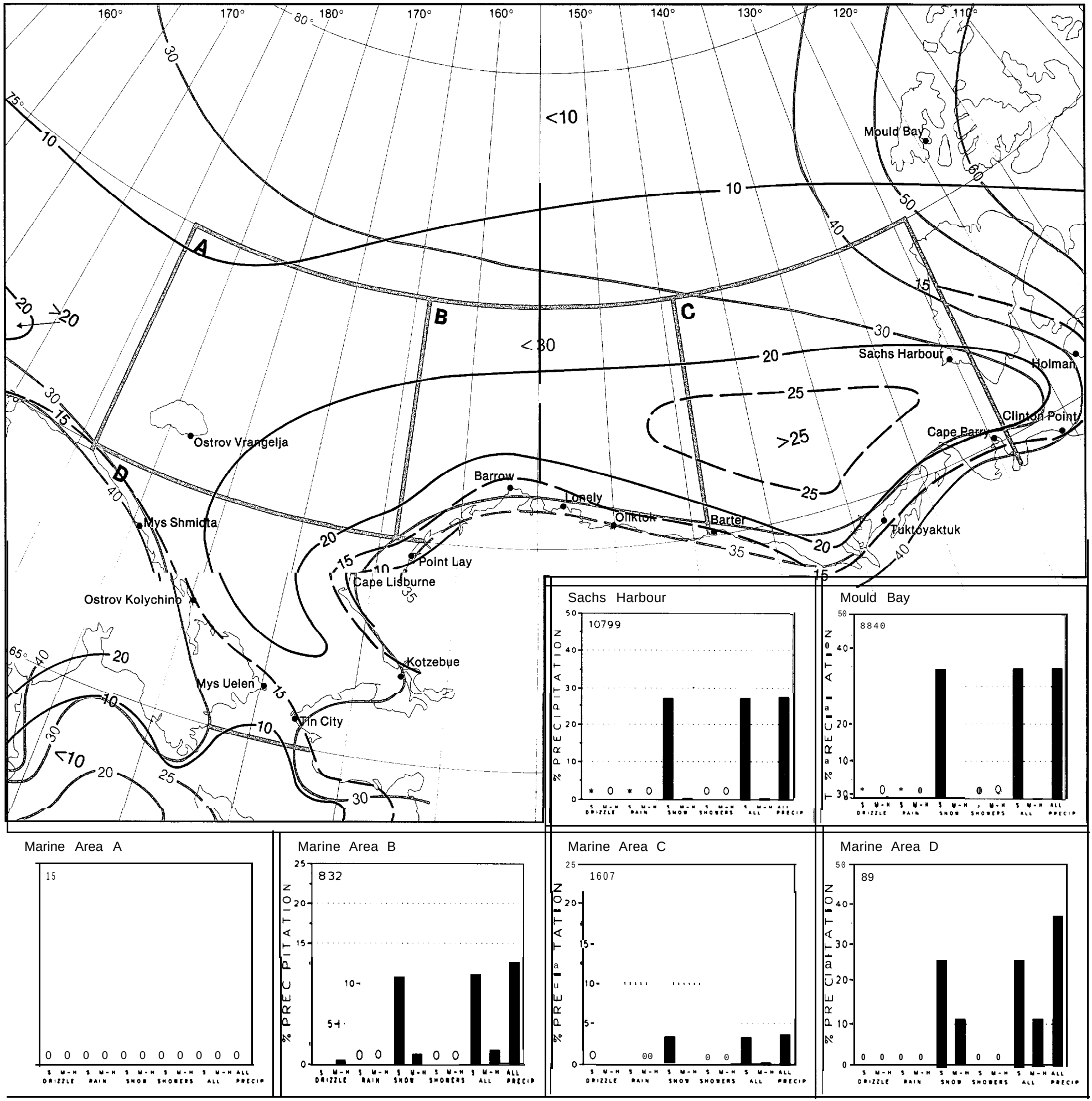
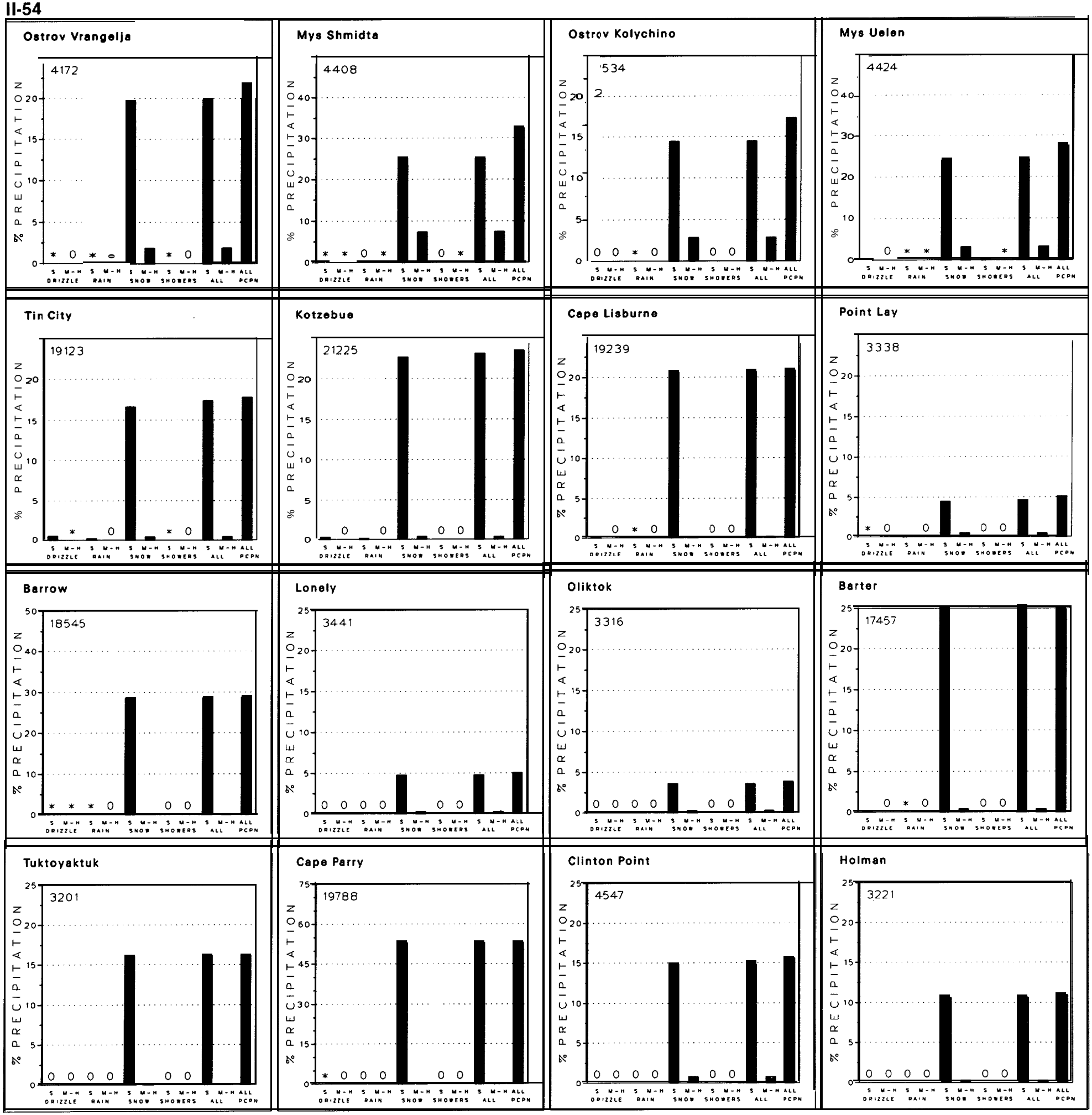
Ortrov Kolychino
2405
Mys Uelen
4331
Tin City
19410
Kotzebue
20484
Cape Lisburne
19459
Point Lay
3215
Barrow
18193
Lonely
3249
Oliktok
3238
Barter
17402
Tuktoyaktuk
3104
Cape Parry
18968
Clinton Point
4356
Holman
3114
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PCPN


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<5
<20
>15
<10
Sachs Harbour
10714
Mould Bay
9011
Marine Area A
204
Marine Area B
986
Marine Area C
3317
Marine Area D
842
% PRECIPITATION
S DRIZZLE
M-H RAIN
S SNOW
M-H SHOWERS
S ALL
M-H ALL
ALL PRECIP

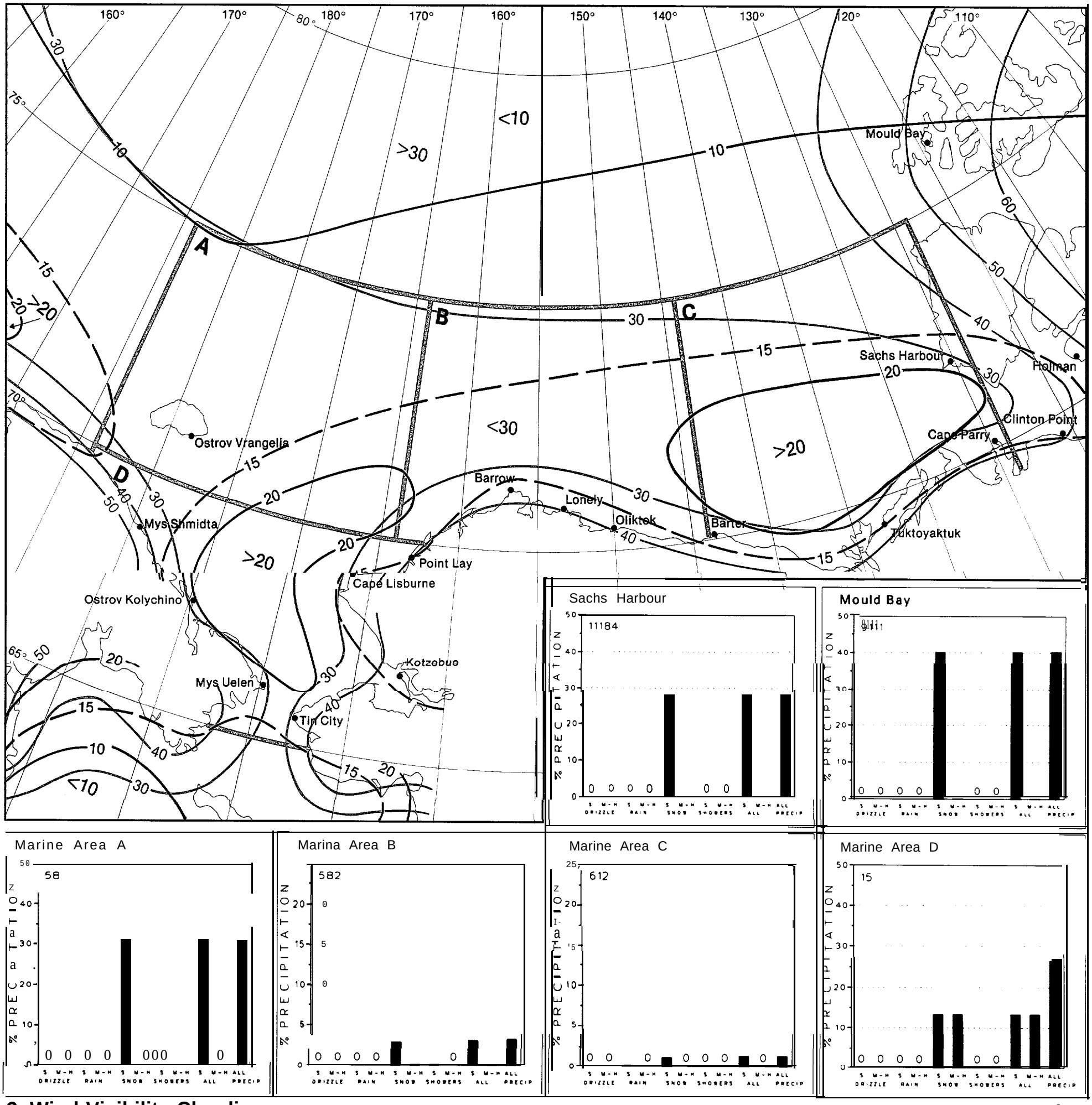


November **2 Precipitation Types**


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<10
<30
>25
>20
Sachs Harbour
10799
Mould Bay
8840
Marine Area A
15
Marine Area B
832
Marine Area C
1607
Marine Area D
89
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PRECIP



December **2 Precipitation Types**


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelia
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<10
>30
<30
>20
Sachs Harbour
11184
Mould Bay
Marine Area A
58
Marina Area B
582
Marine Area C
612
Marine Area D
15
% PRECIPITATION
S M-H S M-H S M-H S M-H S M-H ALL
DRIZZLE RAIN SNOW SHOWERS ALL PRECIP

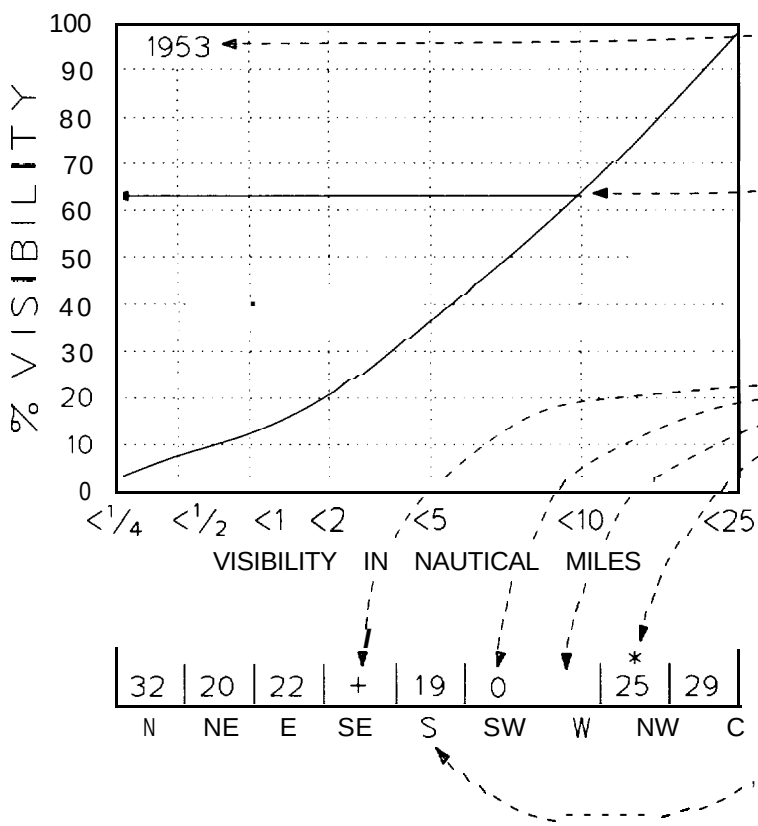
Map 3. Ceiling/visibility (low range)

BLACK LINE – Percent frequency of low cloud ceiling (LCC) <300 feet and/or visibility <1 nautical mile.

BLUE LINE – Percent frequency of LCC <600 feet and/or visibility <2 nautical miles.

Albers Equal-Area Conic Projection

Graphs: Visibility/wind direction



Number of observations.

Curve is the cumulative percent frequency of visibilities less than the visibility intersected by the curve.

(63% of all visibilities* reported *were <10 nautical miles)

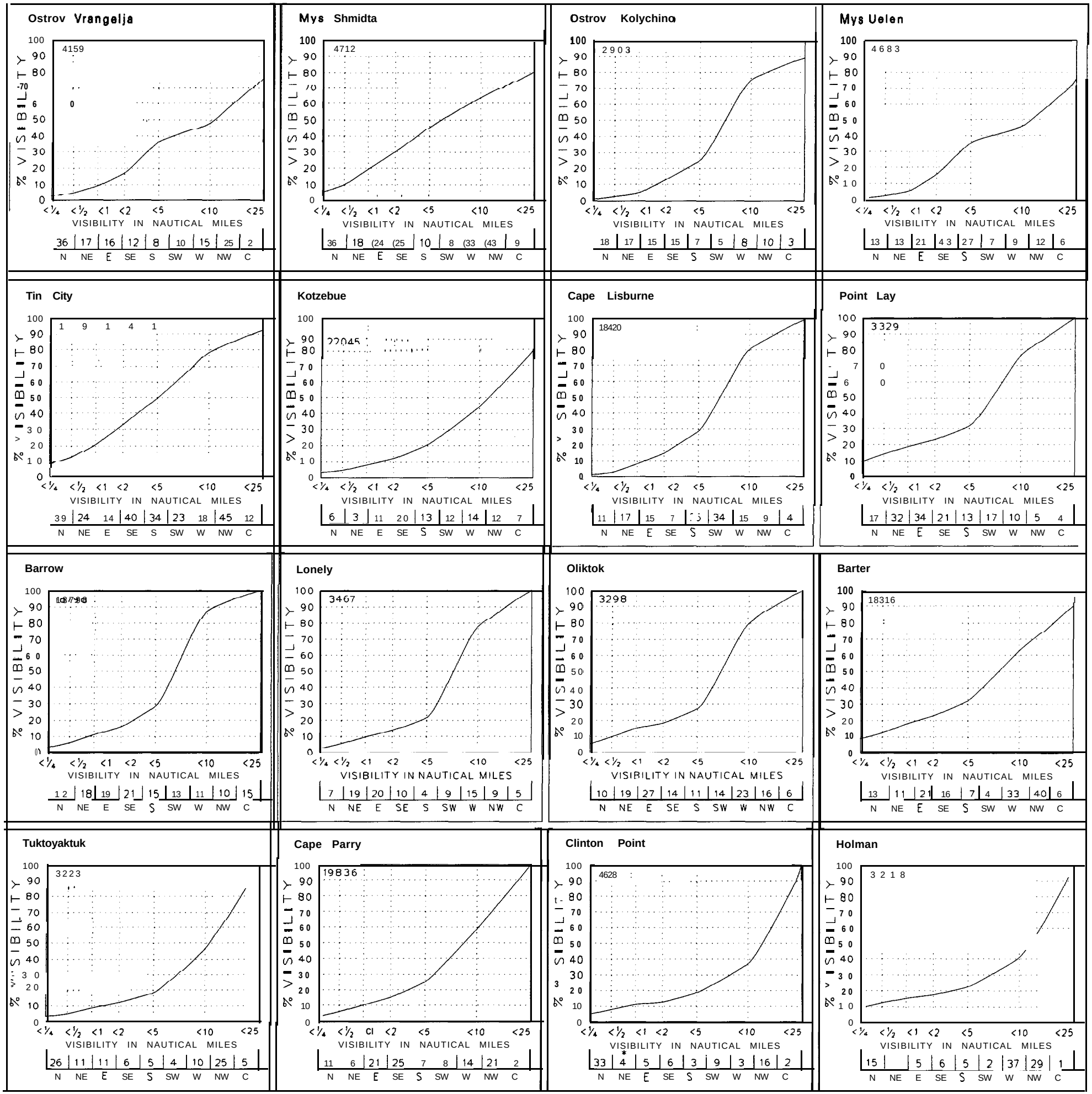
The table below the graph indicates percent frequency of occurrence of visibility <2 nautical miles versus wind direction.

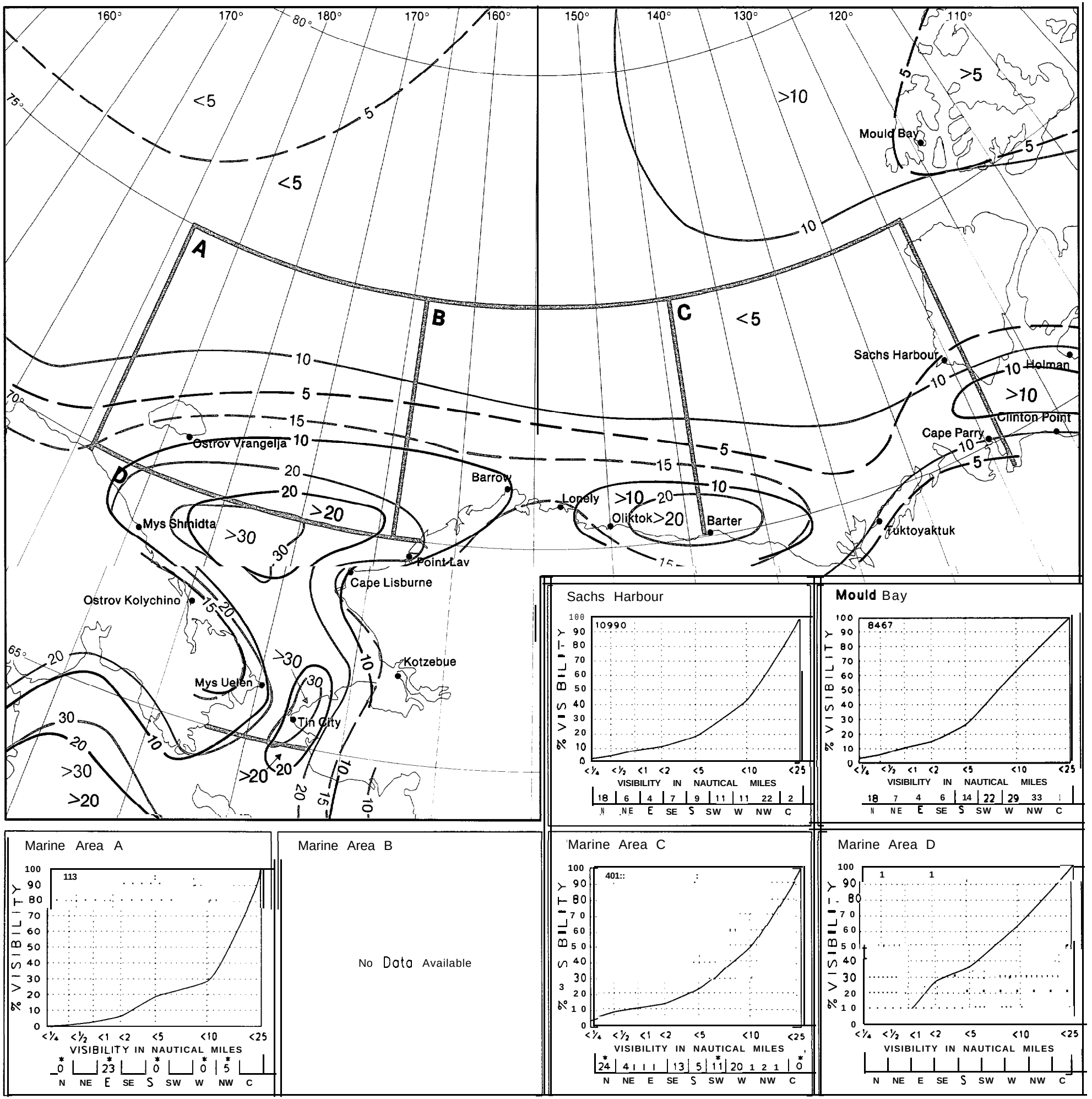
+ indicates <.5% but >0. 0 indicates that no visibilities <2 nautical miles were observed with winds from a direction or calm. No percentage is given if less than 10 observations were available for visibility and wind direction. An asterisk indicates that the percentage was based on 10-30 observations of visibility and wind direction.

(19% ***of all S winds were accompanied by visibilities <2 nautical miles.)***

The percent frequency of visibilities equal to or greater than a given value can be obtained from the graph by subtracting the cumulative percent frequency of that value from 100%. Refer to the text in Set 5 for descriptive information on visibility.

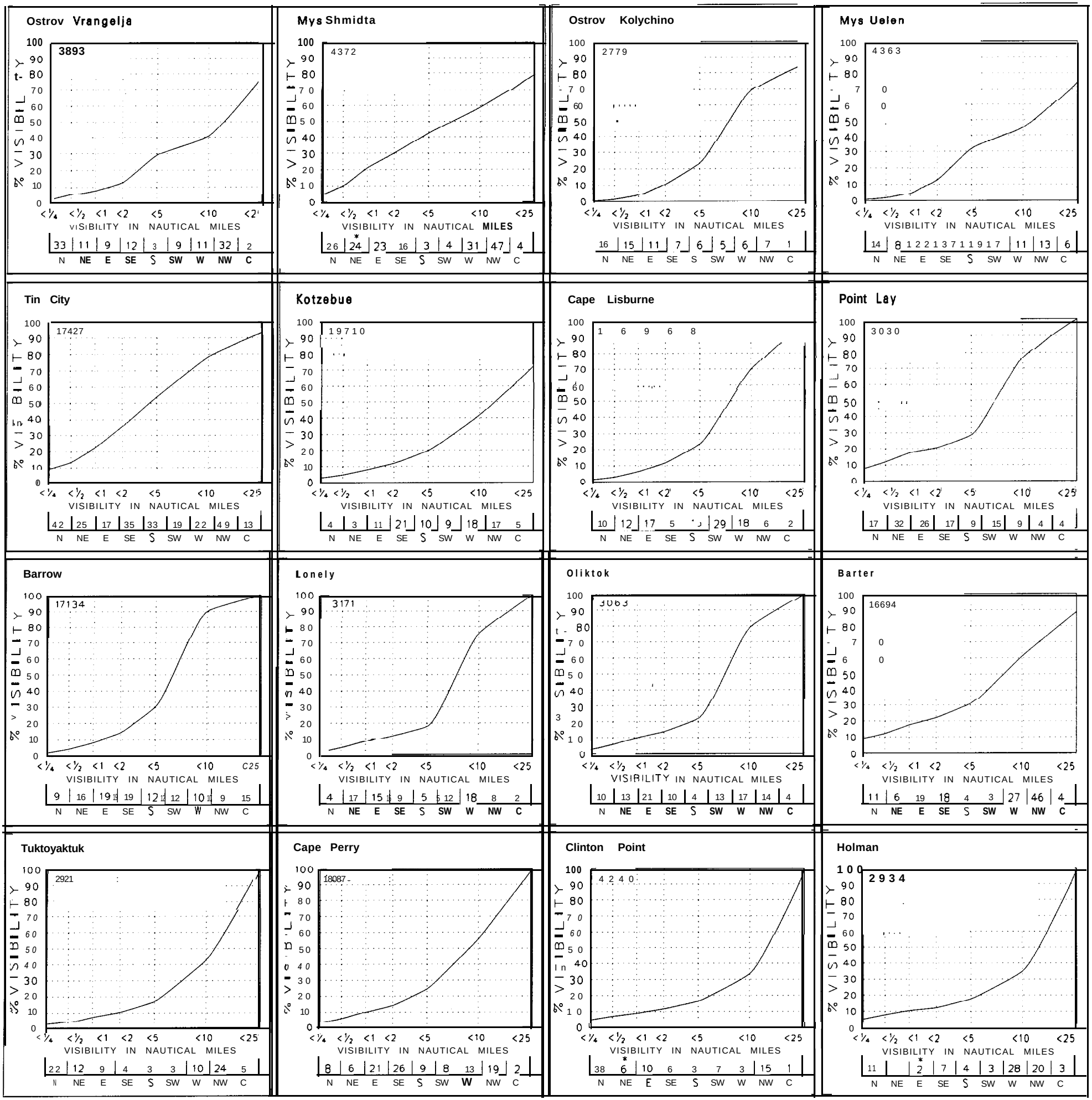
Aircraft-type ceilings are not available from marine observations. The ceilings are estimated from the height of the lowest cloud when low clouds (heights of less than 8,000 feet) cover more than half the sky. When the sky is totally obscured by snow, rain, fog, or other phenomena, the total obscuration is considered a ceiling with a height of zero. Refer to the texts in Sets 4 and 6 for additional information on clouds.

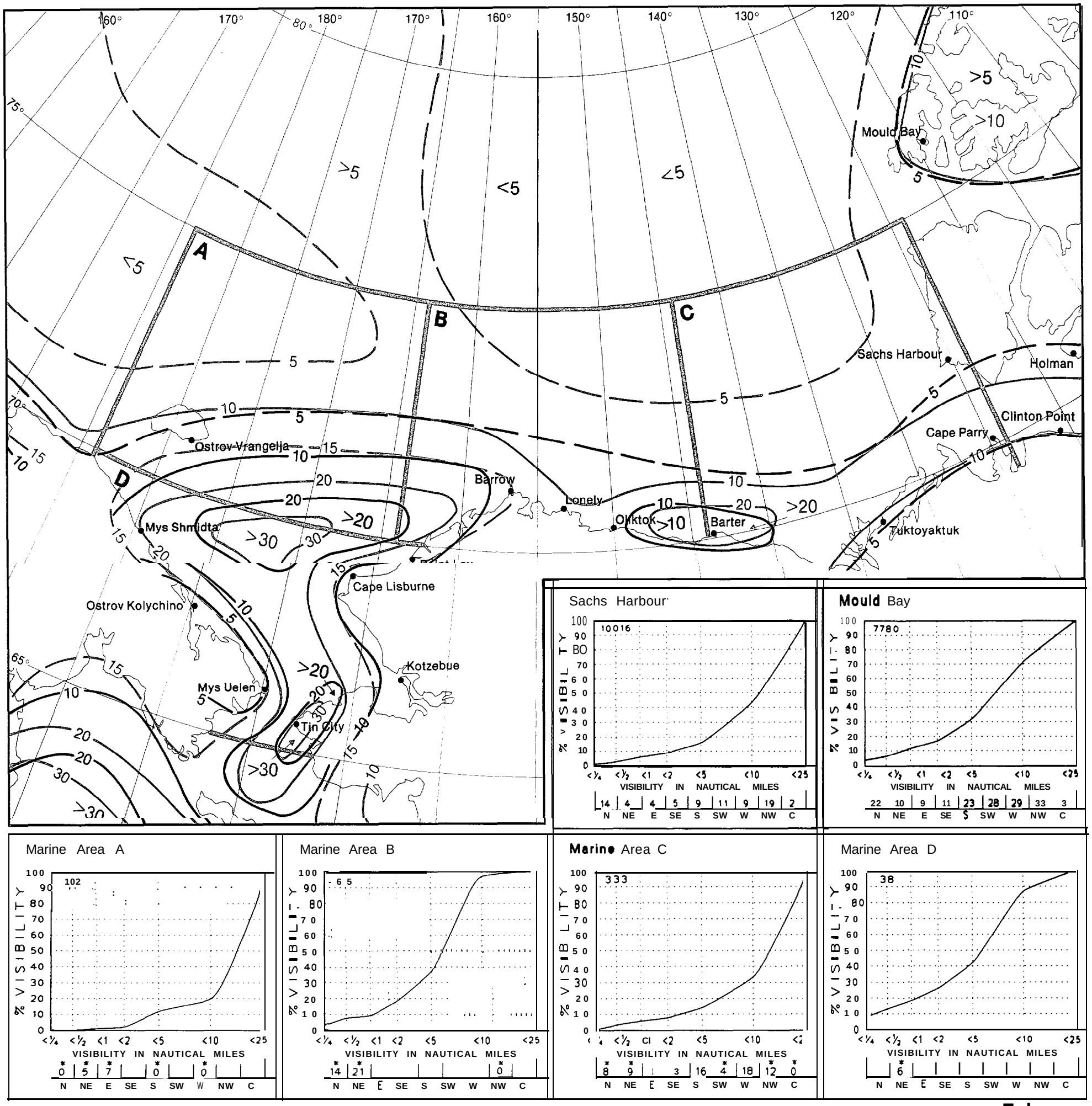

Ostrov Vrangelja
4159
Mys Shmidta
4712
Ostrov Kolychino
2903
Mys Uelen
4683
Tin City
1 9 1 4 1
Kotzebue
22045
Cape Lisburne
18420
Point Lay
3329
Barrow
Lonely
3467
Oliktok
3298
Barter
18316
Tuktoyaktuk
3223
Cape Parry
19836
Clinton Point
4628
Holman
3218
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
N NE E SE S SW W NW C



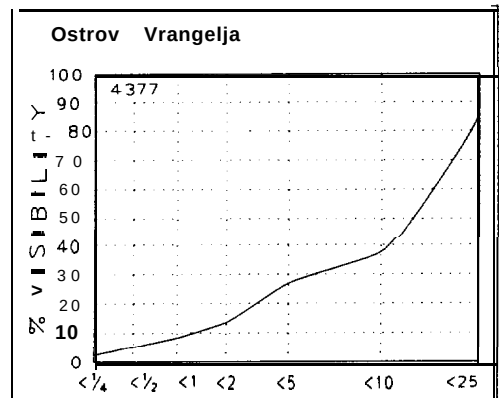
3 Ceiling and Visibility (low range)

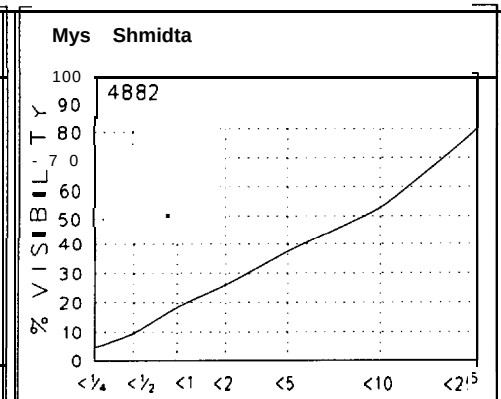
January

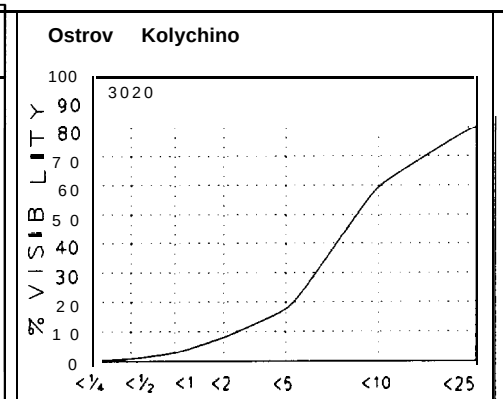

Ostrov Vrangelja
3893
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
33 11 9 12 3 9 11 32 2
N NE E SE S SW W NW C
Mys Shmidta
4372
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
26 24 23 16 3 4 31 47 4
N NE E SE S SW W NW C
Ostrov Kolychino
2779
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
16 15 11 7 6 5 6 7 1
N NE E SE S SW W NW C
Mys Uelen
4363
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
14 8 12 21 37 11 9 17 11 13 6
N NE E SE S SW W NW C
Tin City
17427
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
42 25 17 35 33 19 22 49 13
N NE E SE S SW W NW C
Kotzebue
19710
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
4 3 11 21 10 9 18 17 5
N NE E SE S SW W NW C
Cape Lisburne
16968
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
10 12 17 5 29 18 6 2
N NE E SE S SW W NW C
Point Lay
3030
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
17 32 26 17 9 15 9 4 4
N NE E SE S SW W NW C
Barrow
17134
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
9 16 19 19 12 12 10 9 15
N NE E SE S SW W NW C
Lonely
3171
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
4 17 15 9 5 12 18 8 2
N NE E SE S SW W NW C
Oliktok
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
10 13 21 10 4 13 17 14 4
N NE E SE S SW W NW C
Barter
16694
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
11 6 19 18 4 3 27 46 4
N NE E SE S SW W NW C
Tuktoyaktuk
2921
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
22 12 9 4 3 3 10 24 5
N NE E SE S SW W NW C
Cape Perry
18087
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
8 6 21 26 9 8 13 19 2
N NE E SE S SW W NW C
Clinton Point
4240
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
38 6 10 6 3 7 3 15 1
N NE E SE S SW W NW C
Holman
2934
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
11 2 7 4 3 28 20 3
N NE E SE S SW W NW C

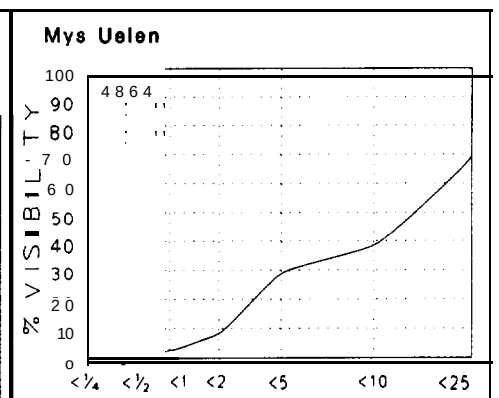


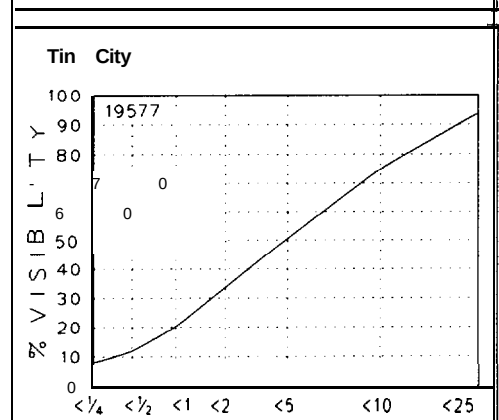
3 Ceiling and Visibility (low range) **February**

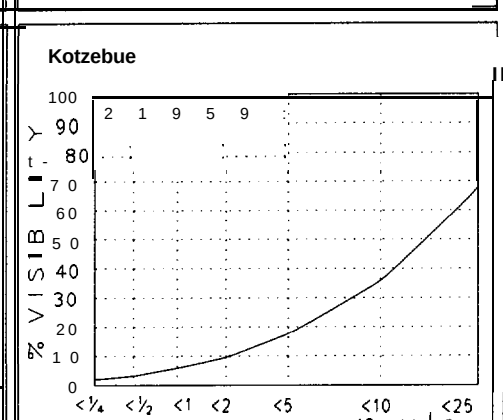

Ostrov Vrangelja
4377
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
33 13 9 9 8 6 12 33 2
N NE E SE S SW W NW C

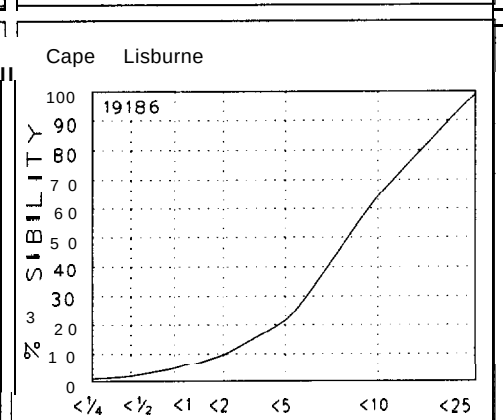

Mys Shmidta
4882
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
24 11 18 15 5 9 27 41 7
N NE E SE S SW W NW C

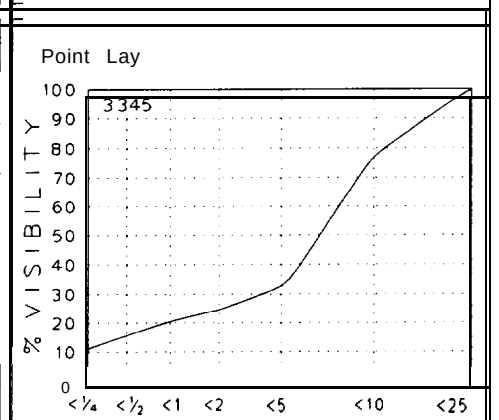

Ostrov Kolychino
3020
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
10 10 11 1 4 4 5 5 5 2
N NE E SE S SW W NW C

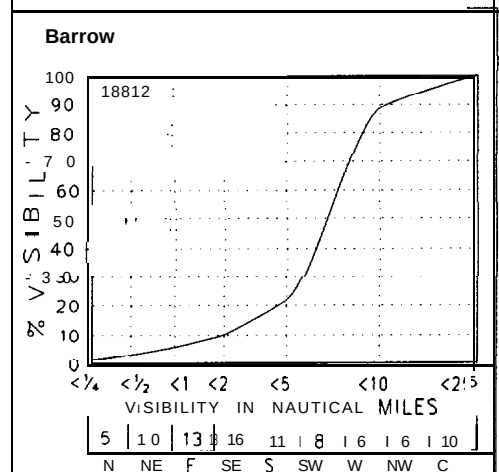

Mys Uelen
4864
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
8 4 23 36 14 3 6 6 4
N NE E SE S SW W NW C

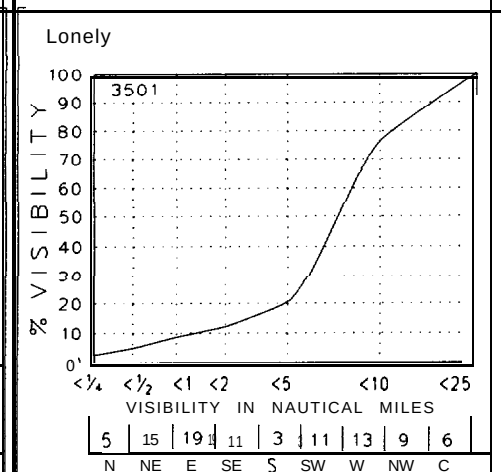

Tin City
19577
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
37 24 30 41 34 21 23 44 11
N NE E SE S SW W NW C

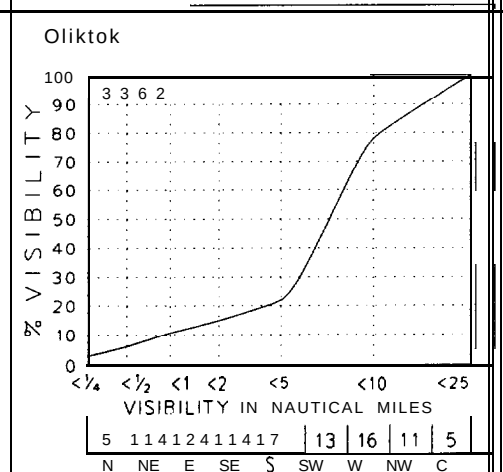

Kotzebue
21959
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
5 3 8 17 9 6
N NE E SE S SW W NW C

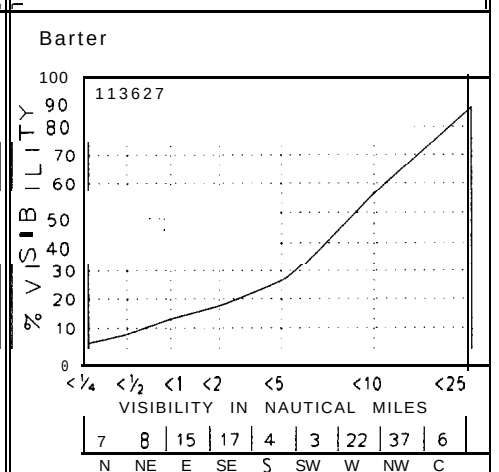

Cape Lisburne
19186
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
18 14 10 5 1 27 15 7 2
N NE E SE S SW W NW C

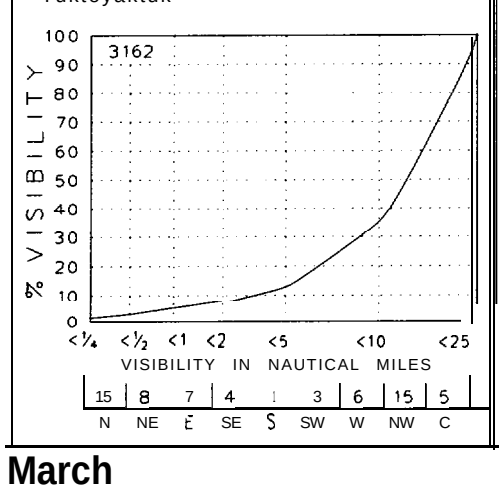

Point Lay
3345
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
18 38 29 21 6 11 15 13 3
N NE E SE S SW W NW C

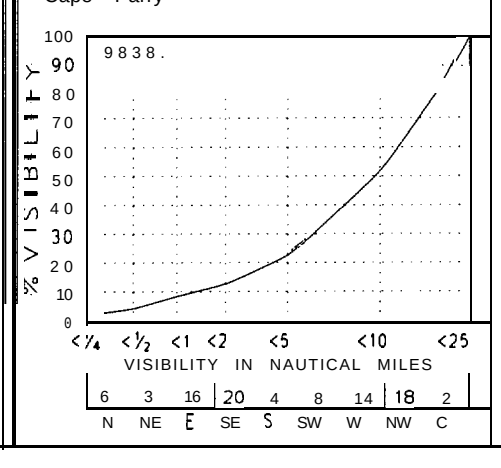

Barrow
18812
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
5 10 13 16 11 8 6 6 10
N NE E SE S SW W NW C

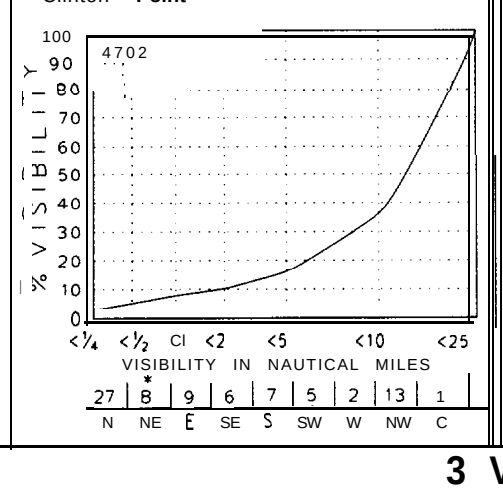

Lonely
3501
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
5 15 19 11 3 11 13 9 6
N NE E SE S SW W NW C

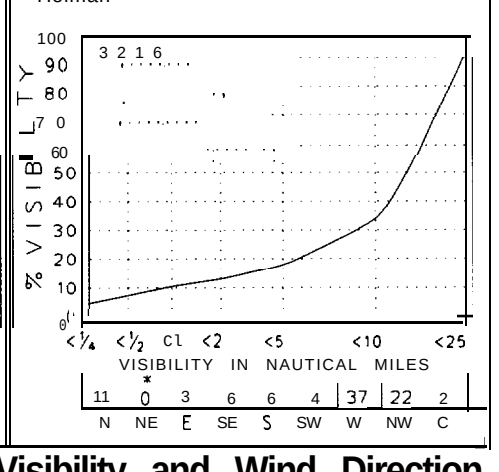

Oliktok
3362
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
5 11412411417 13 16 11 5
N NE E SE S SW W NW C

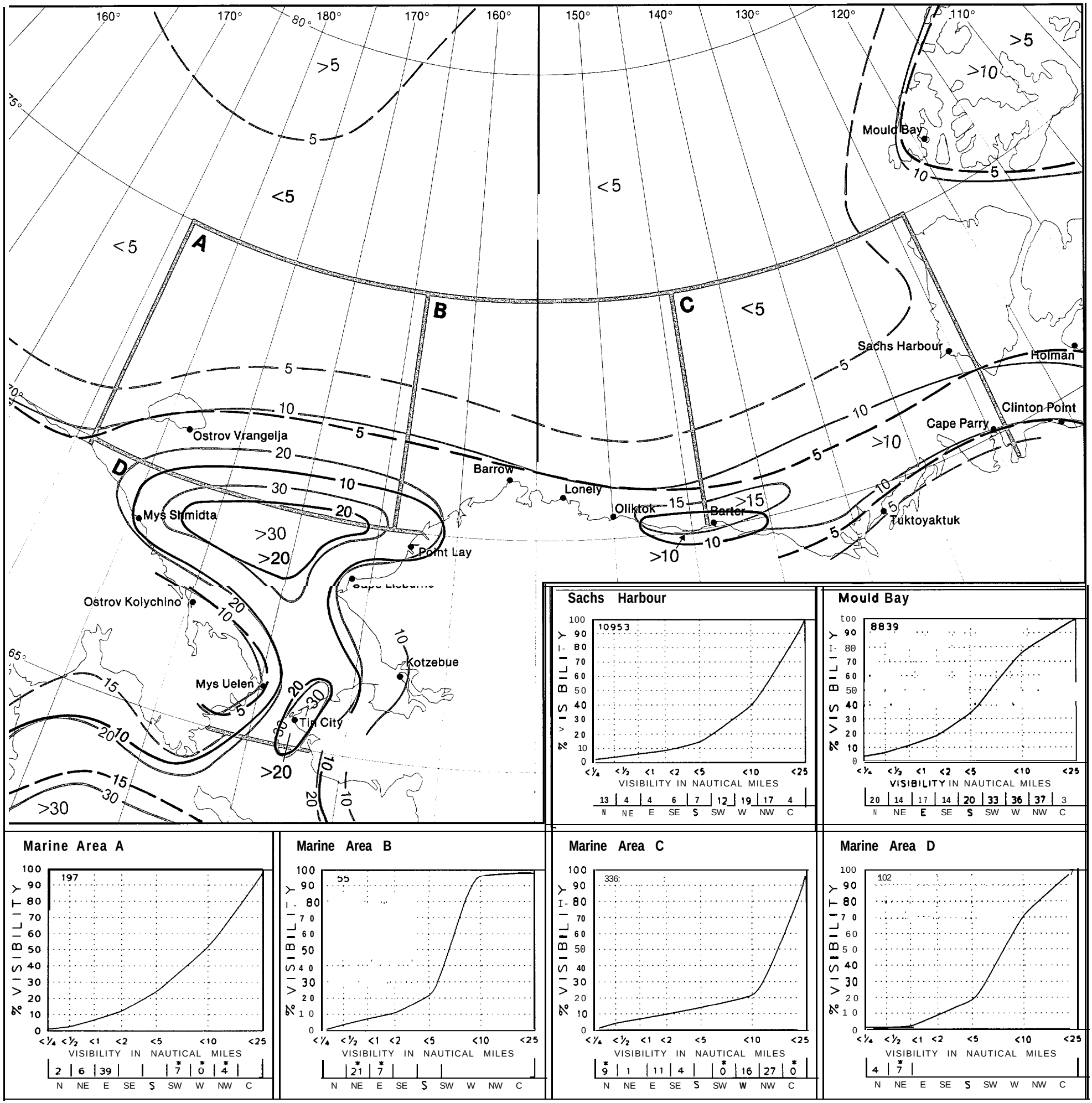

Barter
113627
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
7 8 15 17 4 3 22 37 6
N NE E SE S SW W NW C


Tuktoyaktuk
3162
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
15 8 7 4 3 6 15 5
N NE E SE S SW W NW C


Cape Parry
9838
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
6 3 16 20 4 8 14 18 2
N NE E SE S SW W NW C


Clinton Point
4702
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ Cl <2 <5 <10 <25
27 * 8 9 6 7 5 2 13 1
N NE E SE S SW W NW C

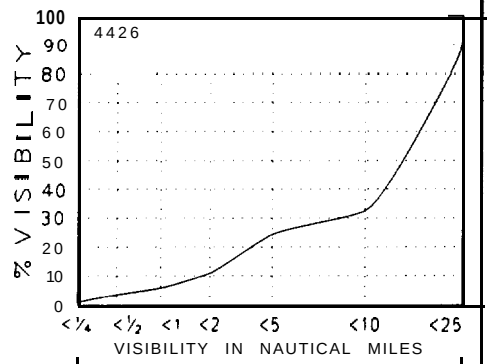

Holman
3216
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ Cl <2 <5 <10 <25
11 * 0 3 6 6 4 37 22 2
N NE E SE S SW W NW C



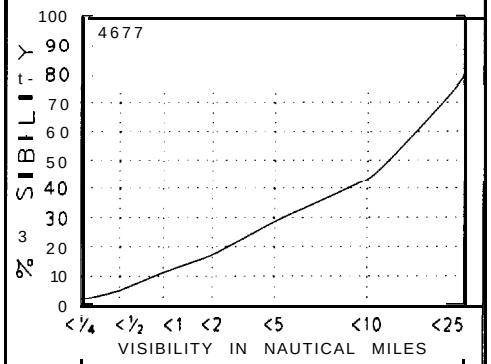
3 Ceiling and Visibility (low range)

March

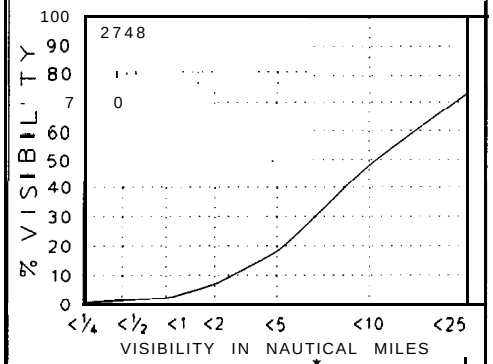
Ostrov Vrangelja



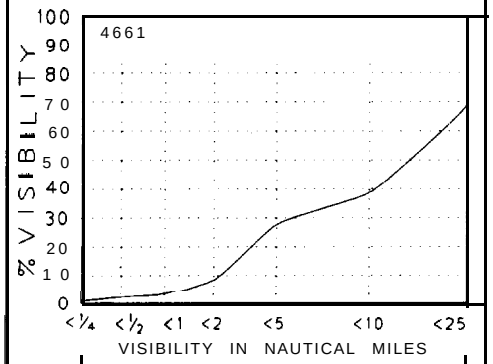
My8 **Shmidta**



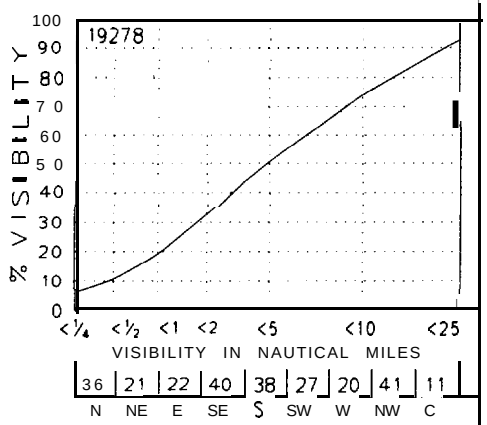
Ostrov Kolychino



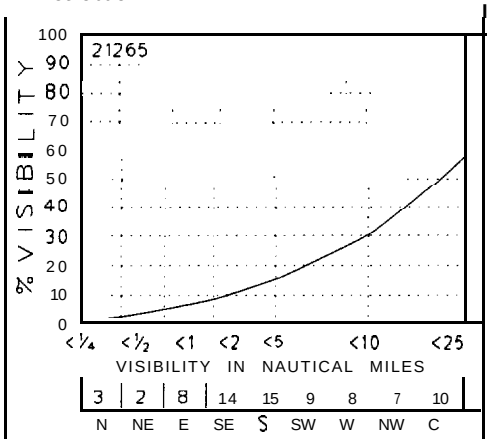
Mys Uelen



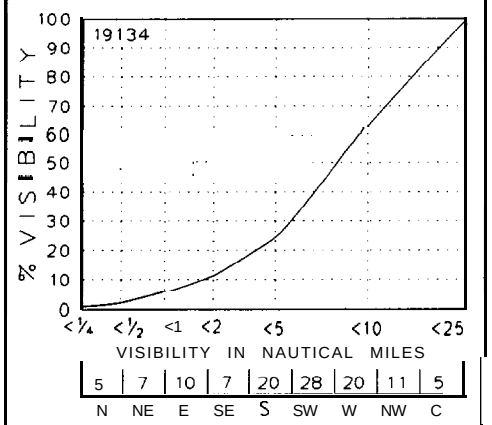
Tin City



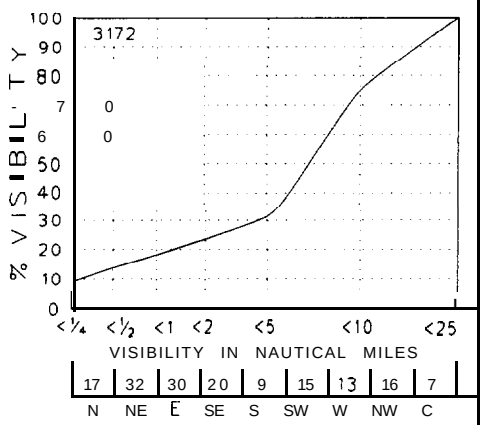
Kotzebue



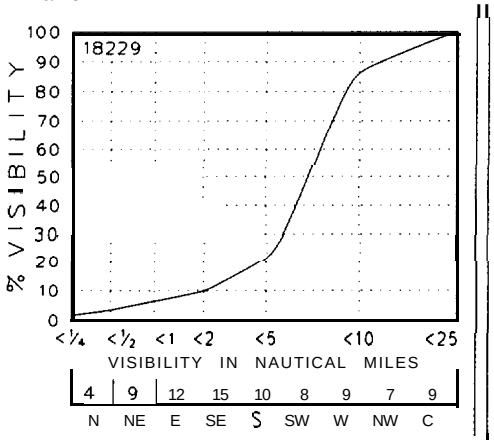
Cape Lisburne



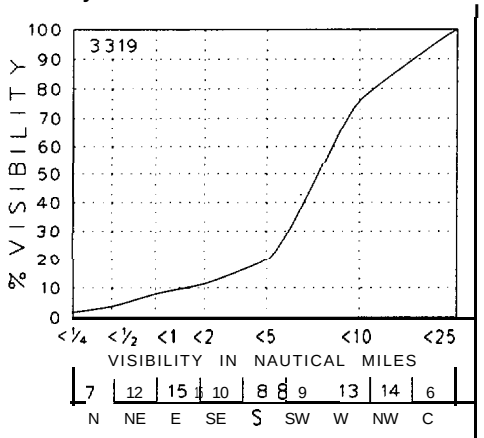
Point Lay



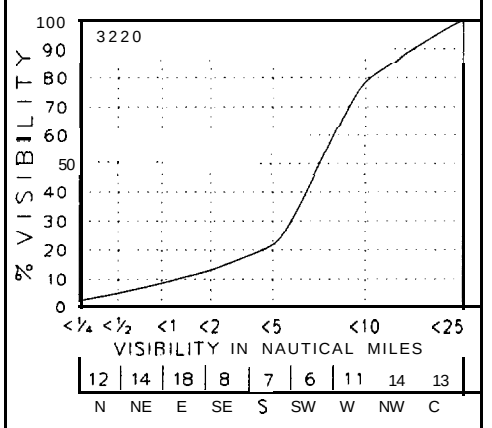
Barrow



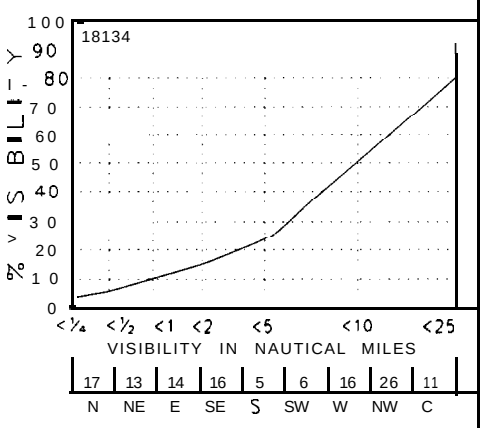
Lonely



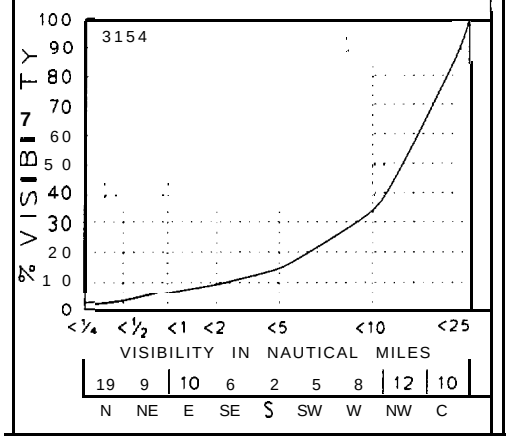
Oliktok



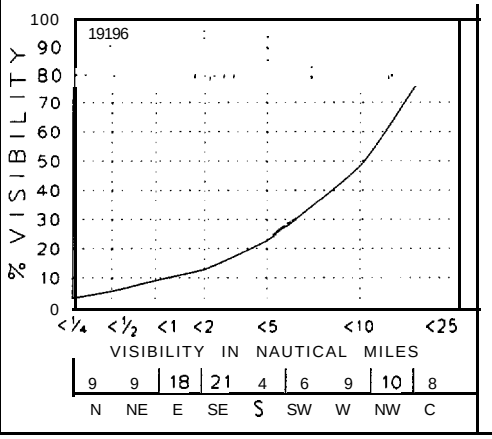
Barter



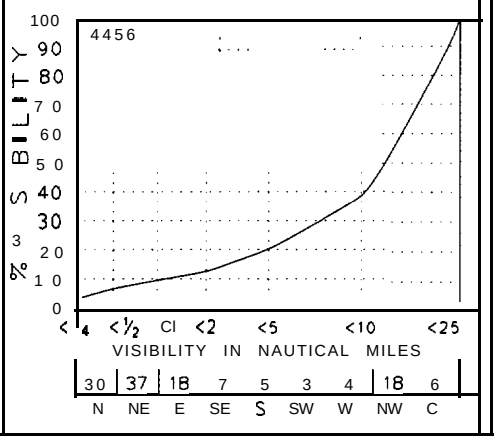
Tuktoyaktuk



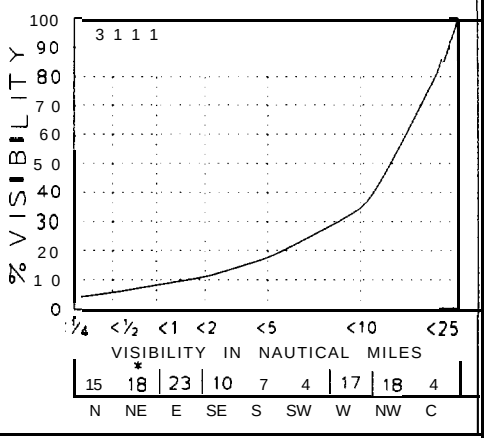
Cape Parry

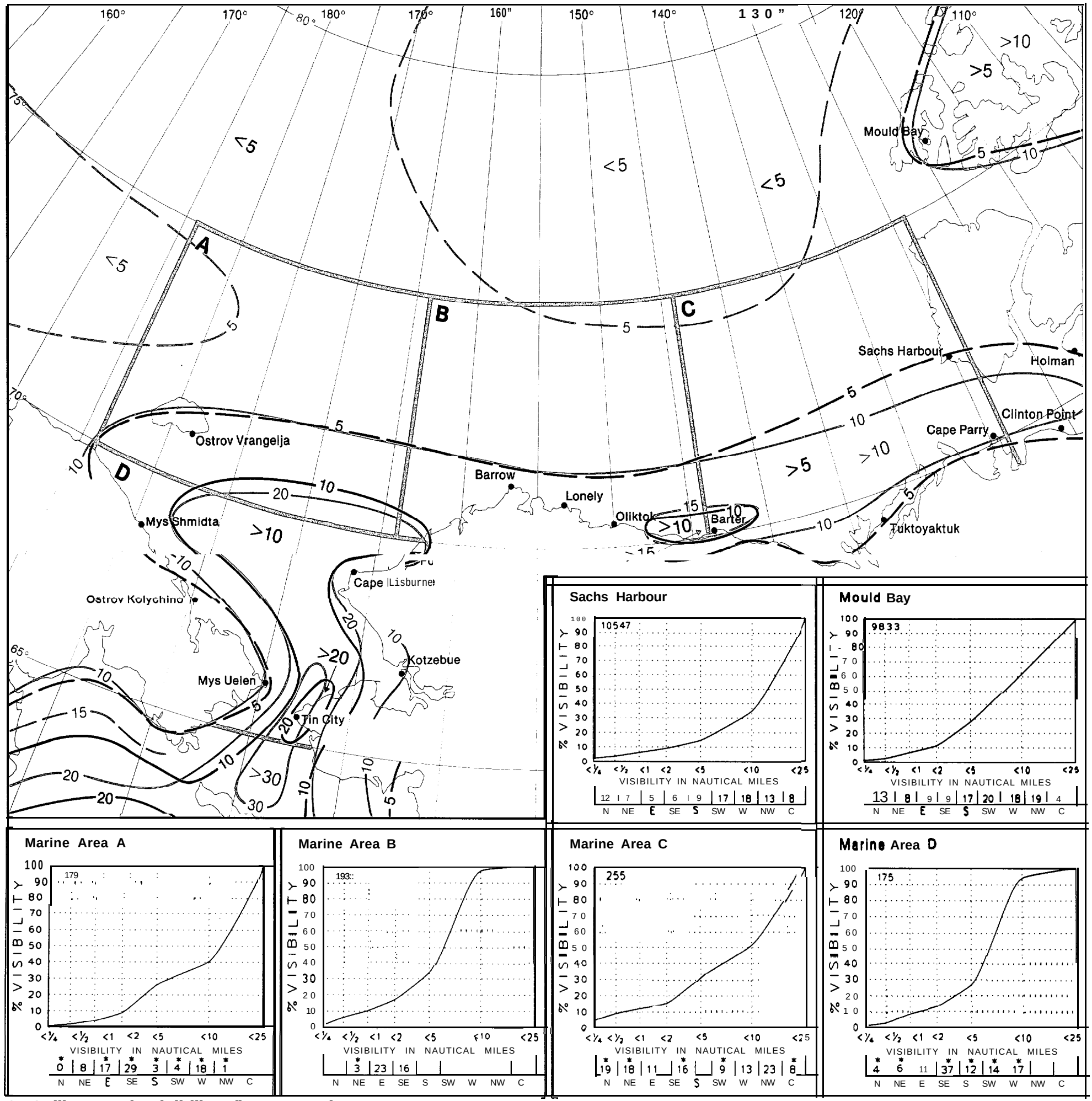


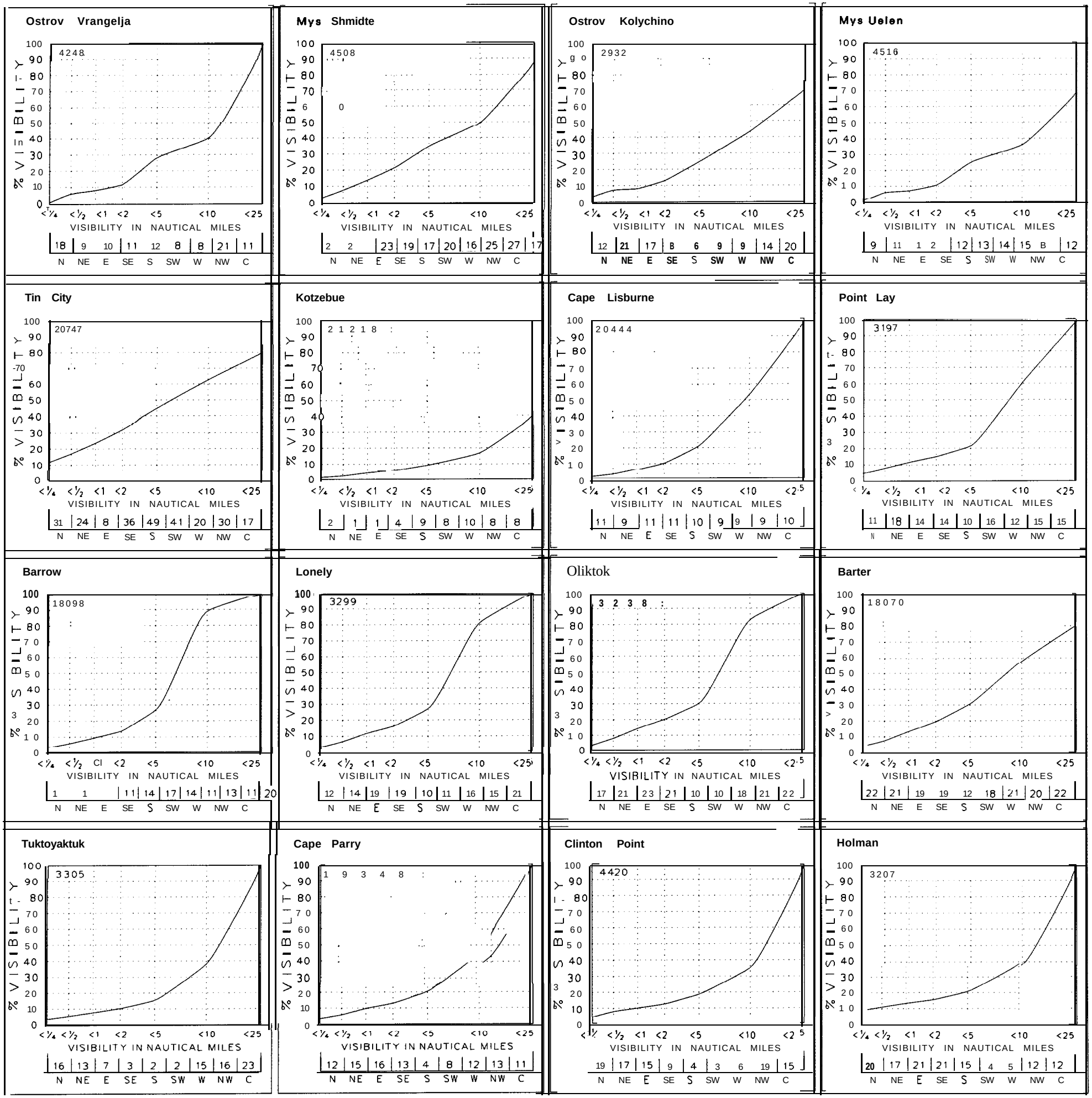
Clinton Point

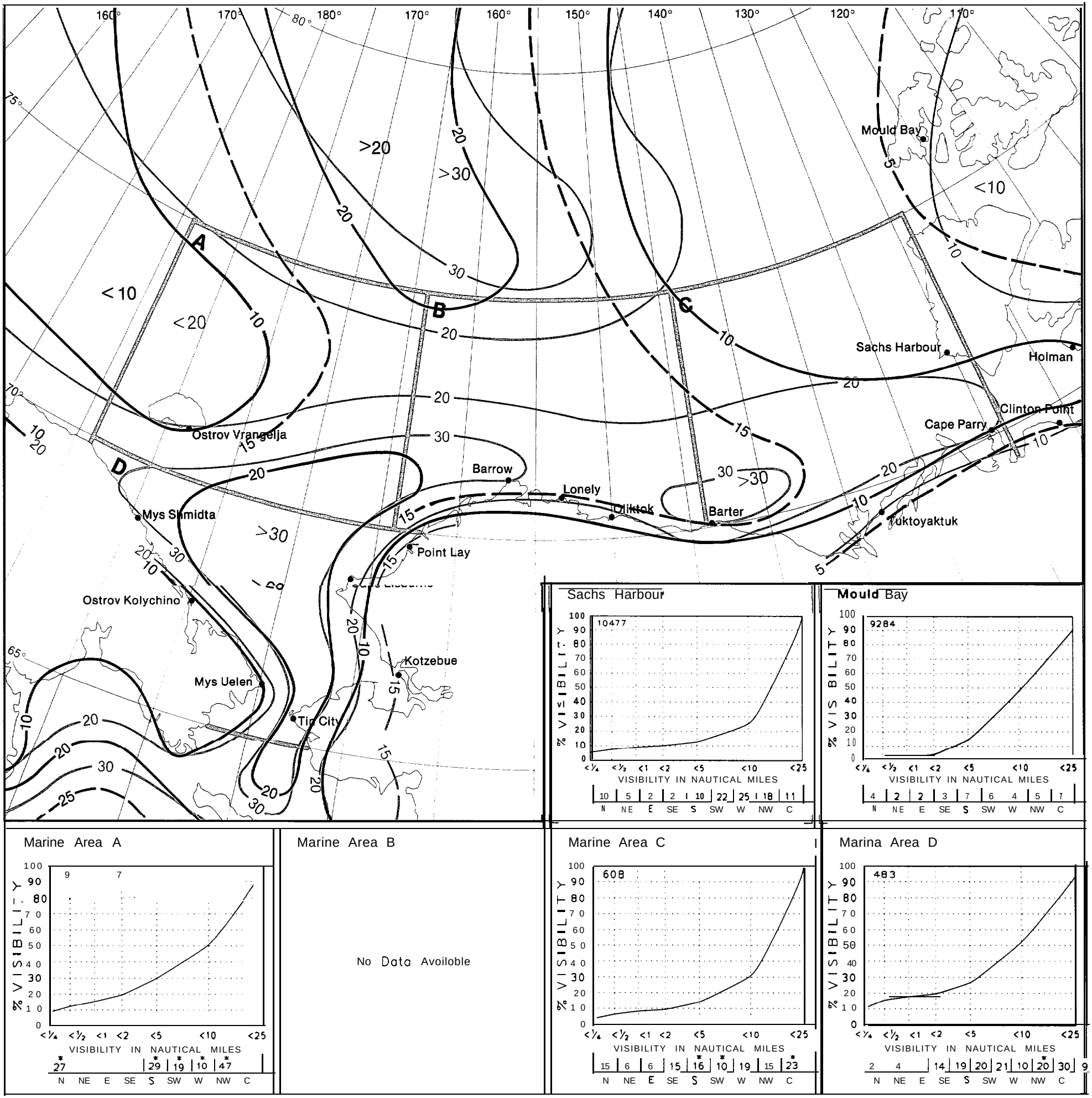


Holman

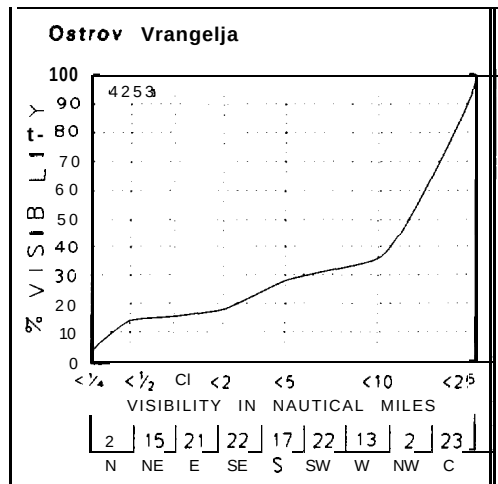


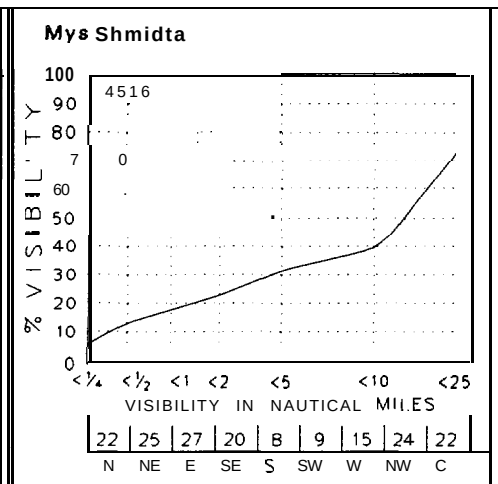

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10547
Mould Bay
9833
Marine Area A
179
Marine Area B
193
Marine Area C
255
Marine Area D
175
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
N NE E SE S SW W NW C

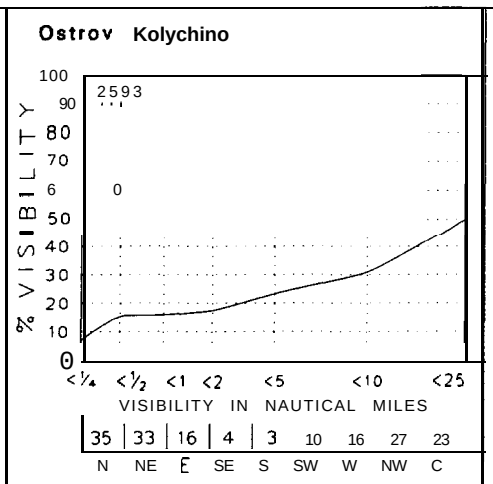

Ostrov Vrangelja
4248
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
18 9 10 11 12 8 8 21 11
N NE E SE S SW W NW C
Mys Shmidte
4508
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
2 2 23 19 17 20 16 25 27 17
N NE E SE S SW W NW C
Ostrov Kolychino
2932
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
12 21 17 8 6 9 9 14 20
N NE E SE S SW W NW C
Mys Uelen
4516
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
9 11 1 2 12 13 14 15 8 12
N NE E SE S SW W NW C
Tin City
20747
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
31 24 8 36 49 41 20 30 17
N NE E SE S SW W NW C
Kotzebue
21218
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
2 1 1 4 9 8 10 8 8
N NE E SE S SW W NW C
Cape Lisburne
20444
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
11 9 11 11 10 9 9 9 10
N NE E SE S SW W NW C
Point Lay
3197
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
11 18 14 14 10 16 12 15 15
N NE E SE S SW W NW C
Barrow
18098
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
1 1 11 14 17 14 11 13 11 20
N NE E SE S SW W NW C
Lonely
3299
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
12 14 19 19 10 11 16 15 21
N NE E SE S SW W NW C
Oliktok
3238
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
17 21 23 21 10 10 18 21 22
N NE E SE S SW W NW C
Barter
18070
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
22 21 19 19 12 18 21 20 22
N NE E SE S SW W NW C
Tuktoyaktuk
3305
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
16 13 7 3 2 2 15 16 23
N NE E SE S SW W NW C
Cape Parry
19348
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
12 15 16 13 4 8 12 13 11
N NE E SE S SW W NW C
Clinton Point
4420
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
19 17 15 9 4 3 6 19 15
N NE E SE S SW W NW C
Holman
3207
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
20 17 21 21 15 4 5 12 12
N NE E SE S SW W NW C

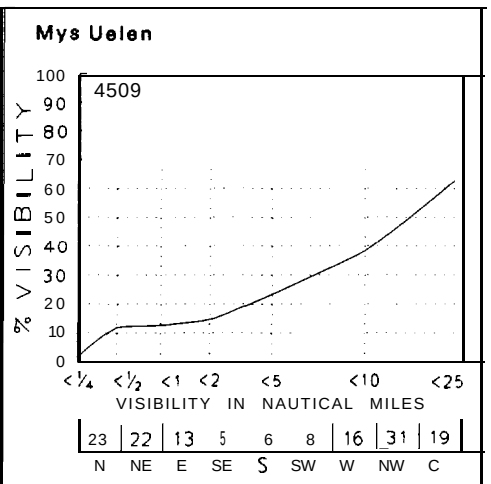


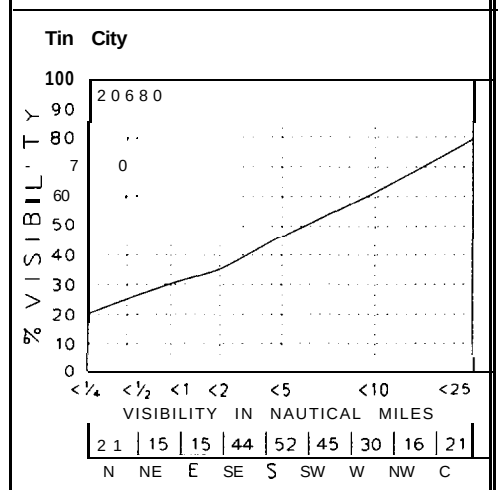
3 Ceiling and Visibility (low range) June

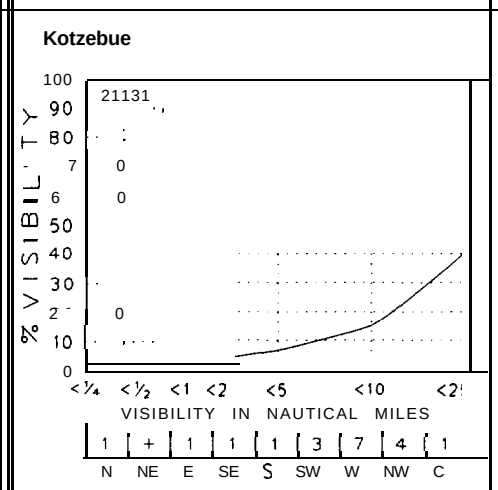

Ostrov Vrangelja
4253
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
2 15 21 22 17 22 13 2 23
N NE E SE S SW W NW C

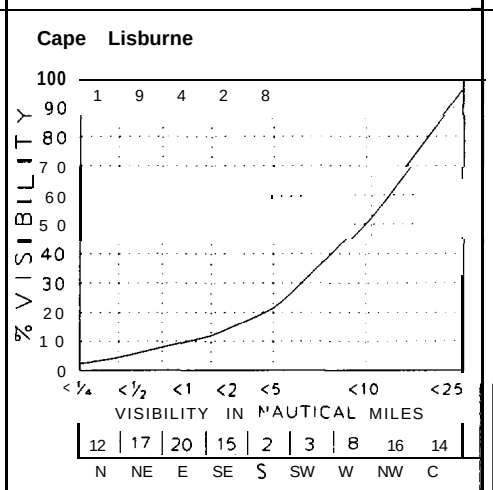

Mys Shmidta
4516
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
22 25 27 20 8 9 15 24 22
N NE E SE S SW W NW C

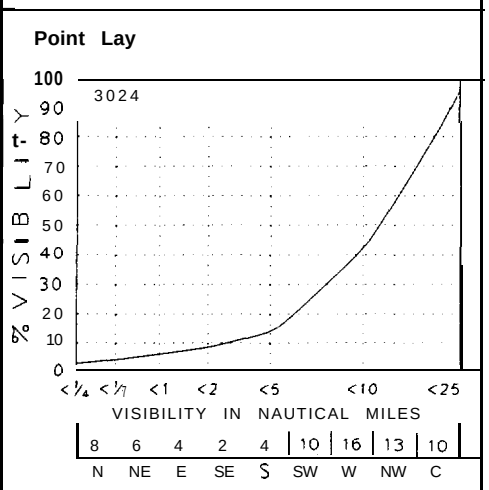

Ostrov Kolychino
2593
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
35 33 16 4 3 10 16 27 23
N NE E SE S SW W NW C

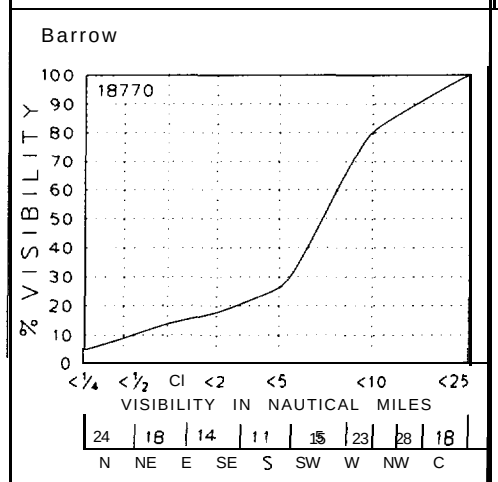

Mys Uelen
4509
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
23 22 13 5 6 8 16 31 19
N NE E SE S SW W NW C

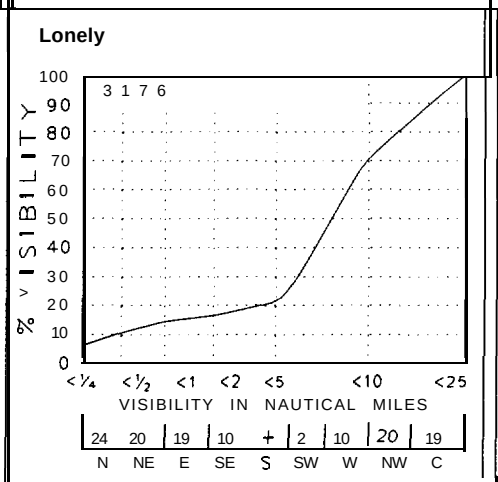

Tin City
20680
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
21 15 15 44 52 45 30 16 21
N NE E SE S SW W NW C

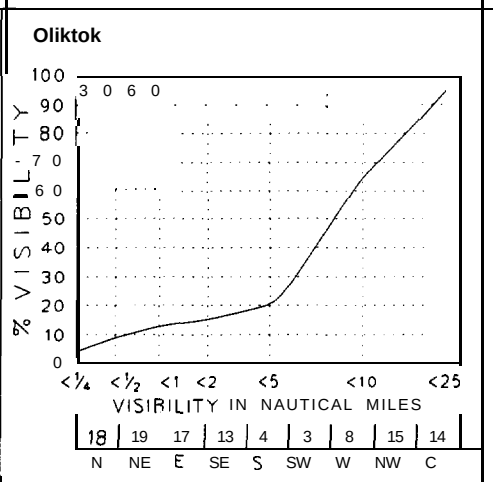

Kotzebue
21131
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
1 + 1 1 1 3 7 4 1
N NE E SE S SW W NW C

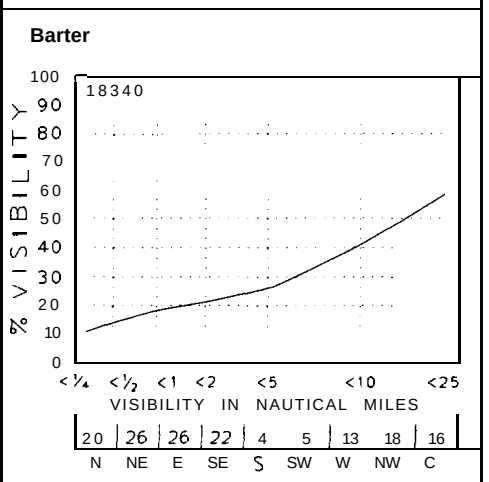

Cape Lisburne
1 9 4 2 8
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
12 17 20 15 2 3 8 16 14
N NE E SE S SW W NW C

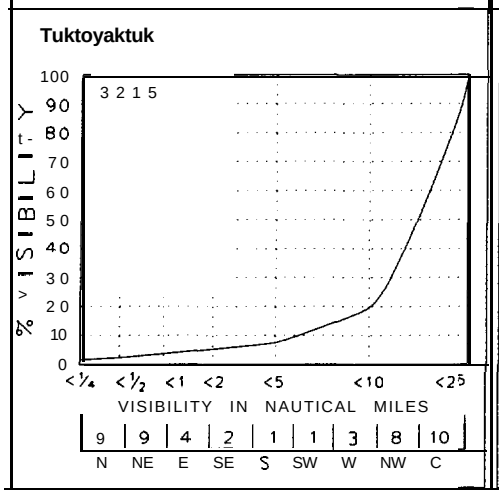

Point Lay
3024
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
8 6 4 2 4 10 16 13 10
N NE E SE S SW W NW C

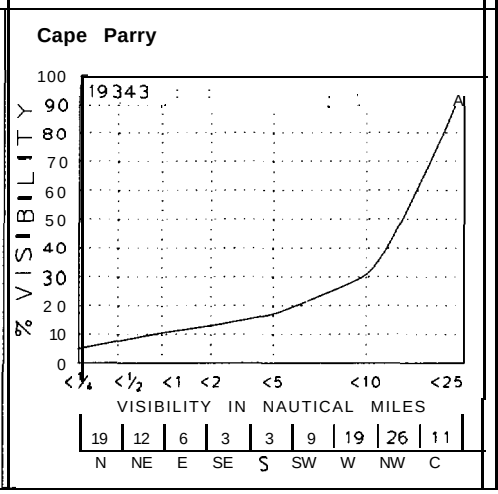

Barrow
18770
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
24 18 14 11 15 23 28 18
N NE E SE S SW W NW C

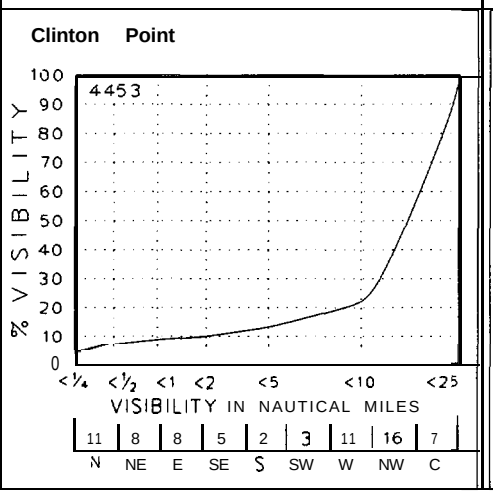

Lonely
3176
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
24 20 19 10 + 2 10 20 19
N NE E SE S SW W NW C

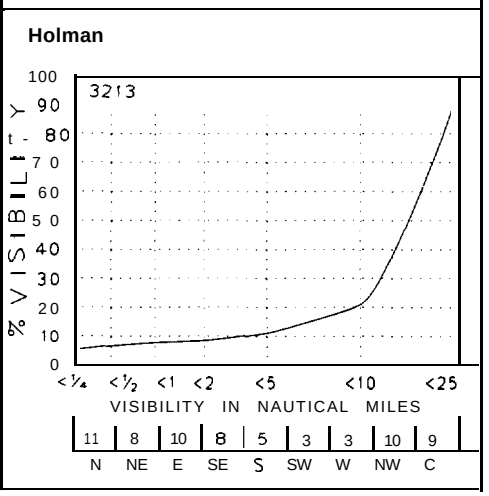

Oliktok
3060
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
18 19 17 13 4 3 8 15 14
N NE E SE S SW W NW C

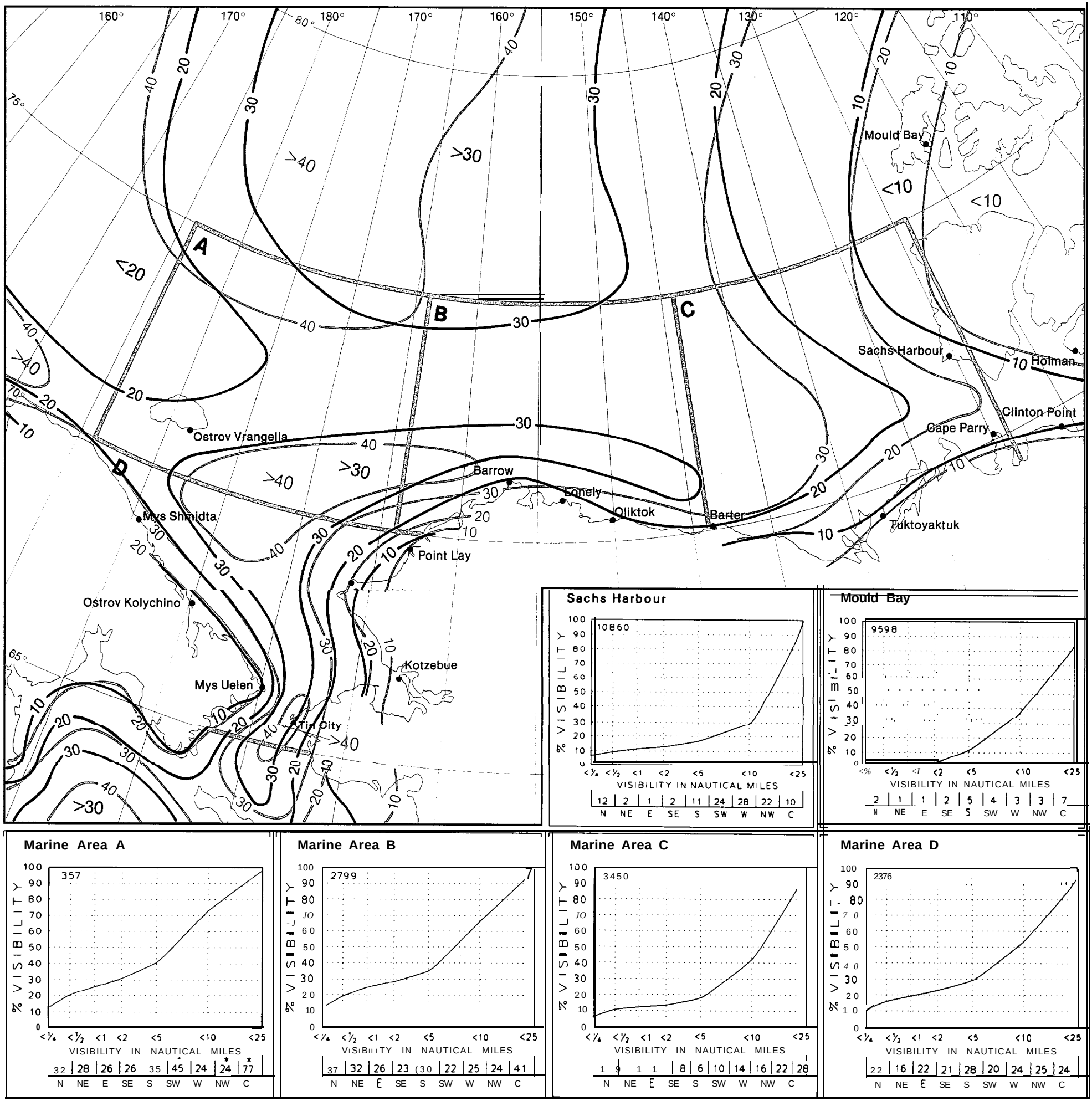

Barter
18340
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
20 26 26 22 4 5 13 18 16
N NE E SE S SW W NW C


Tuktoyaktuk
3215
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
9 9 4 2 1 1 3 8 10
N NE E SE S SW W NW C

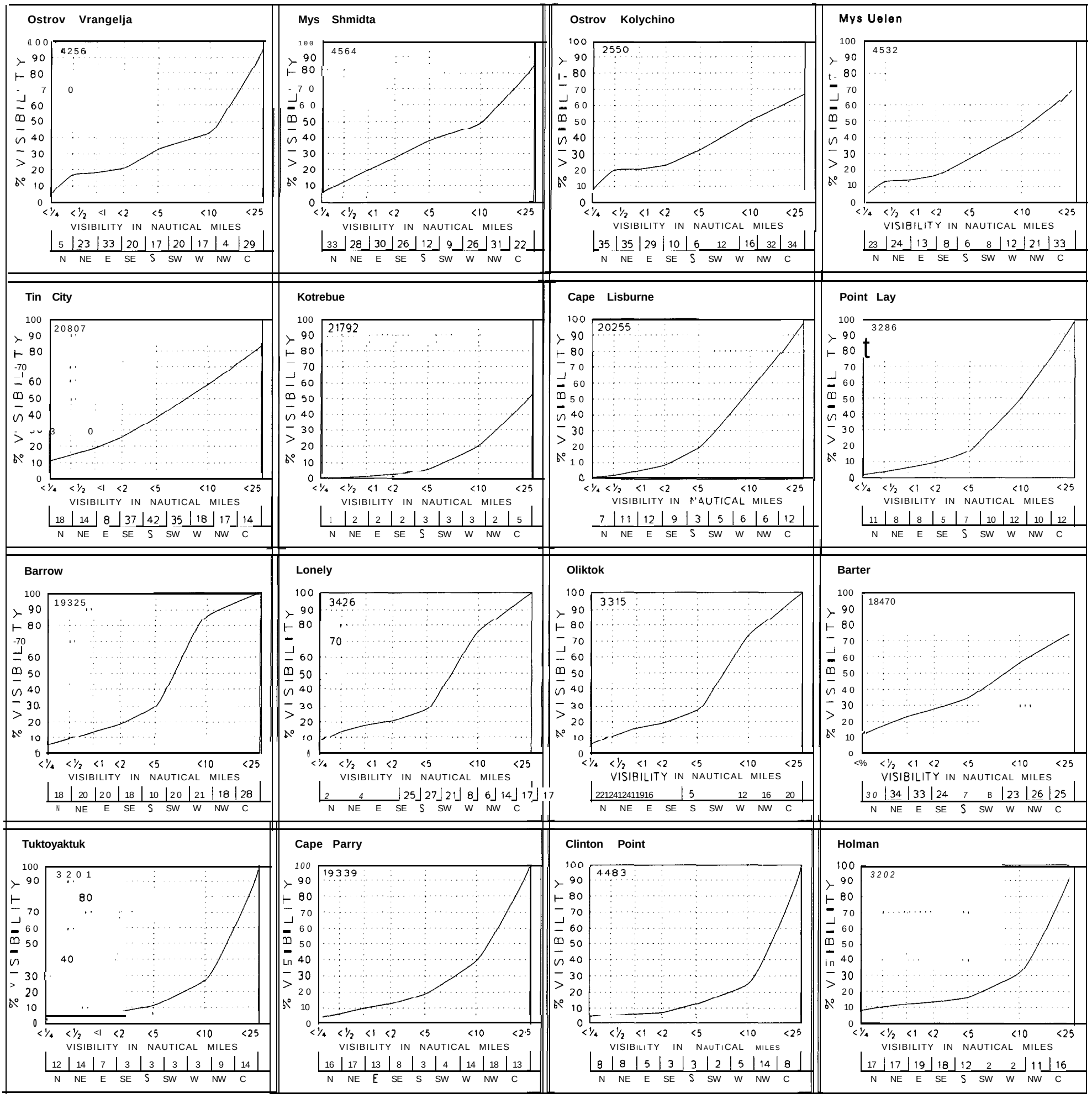

Cape Parry
19343
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
19 12 6 3 3 9 19 26 11
N NE E SE S SW W NW C

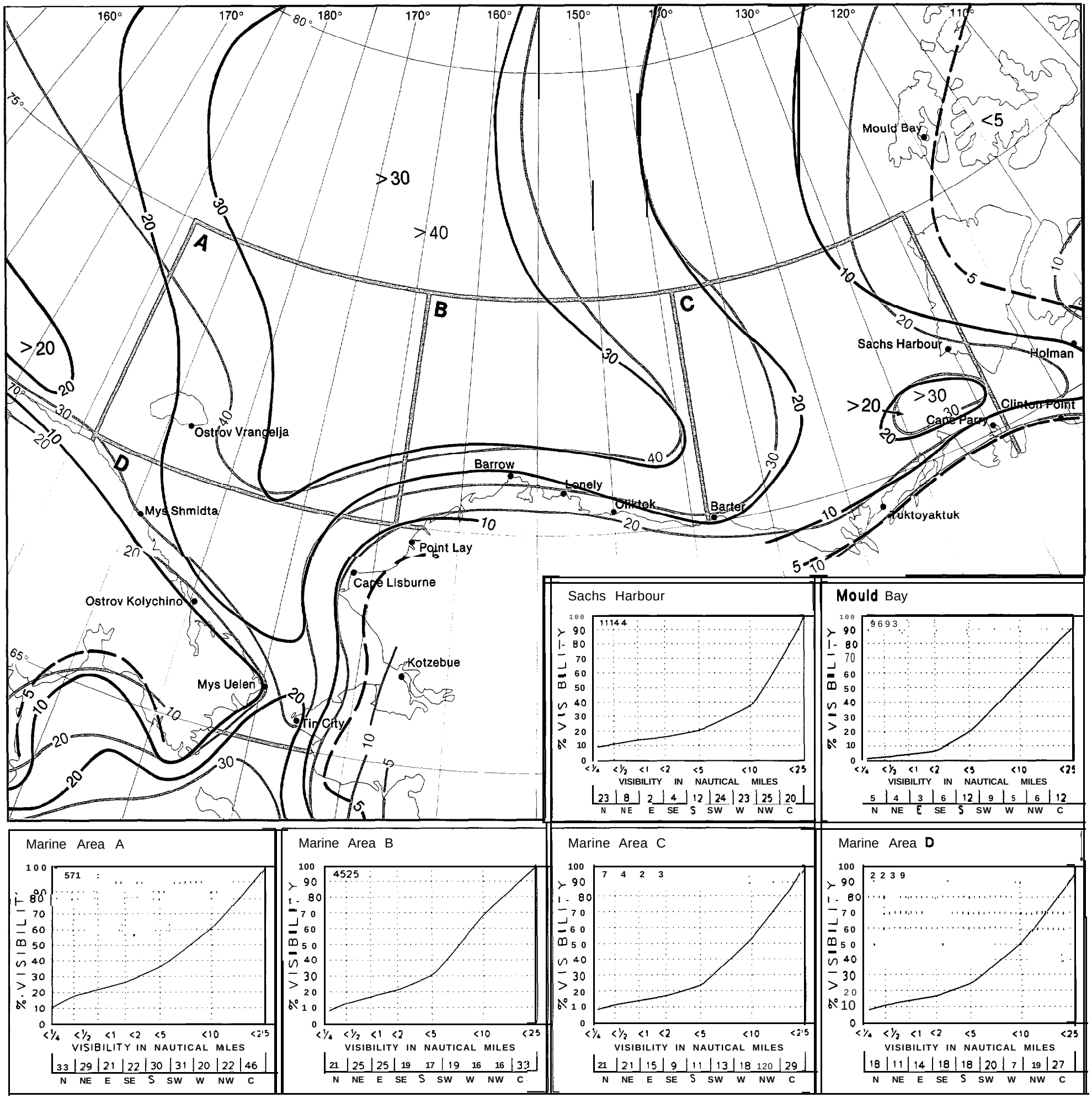

Clinton Point
4453
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
11 8 8 5 2 3 11 16 7
N NE E SE S SW W NW C


Holman
3213
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
11 8 10 8 5 3 3 10 9
N NE E SE S SW W NW C



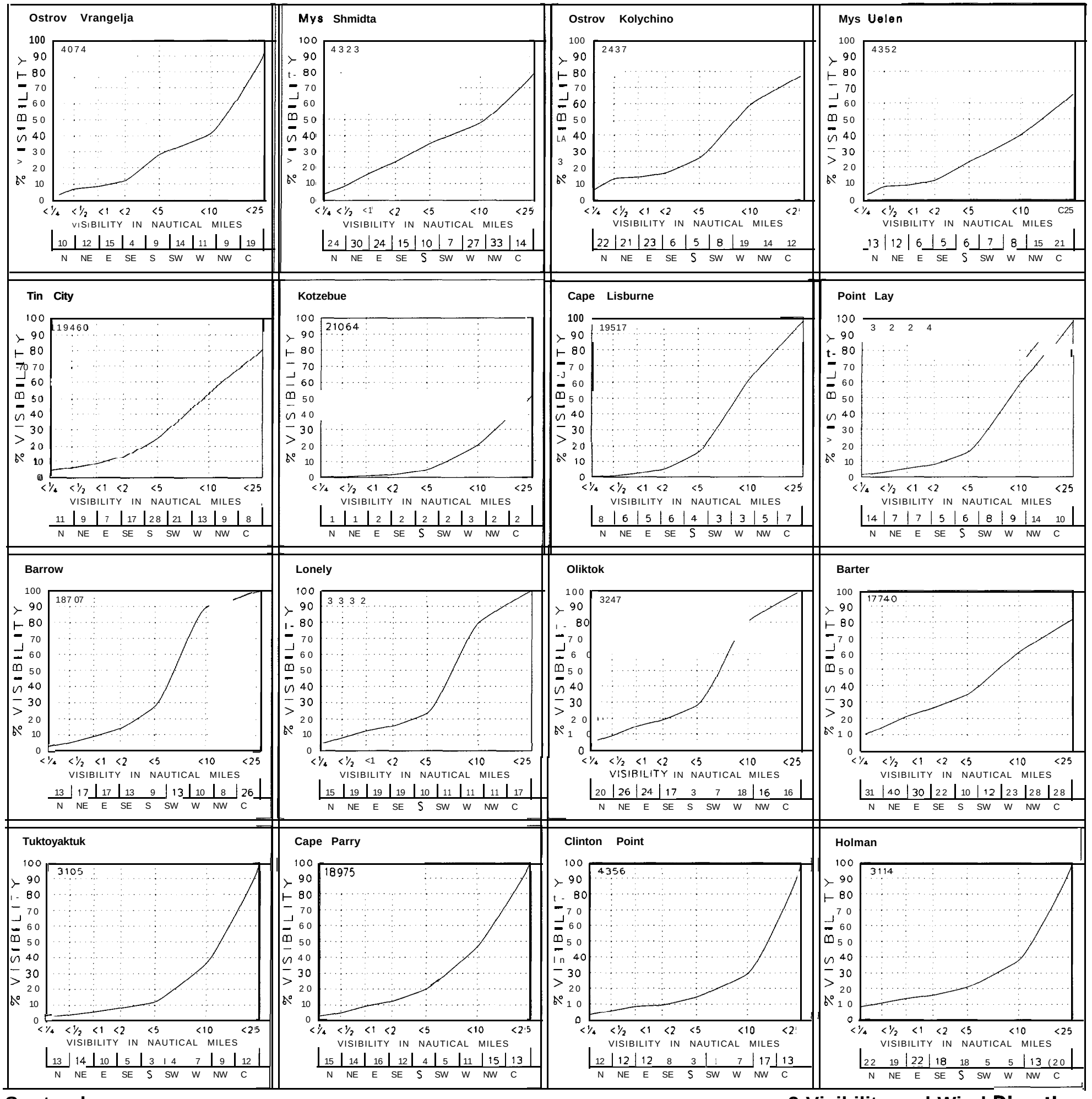
3 Ceiling and Visibility (low range) July

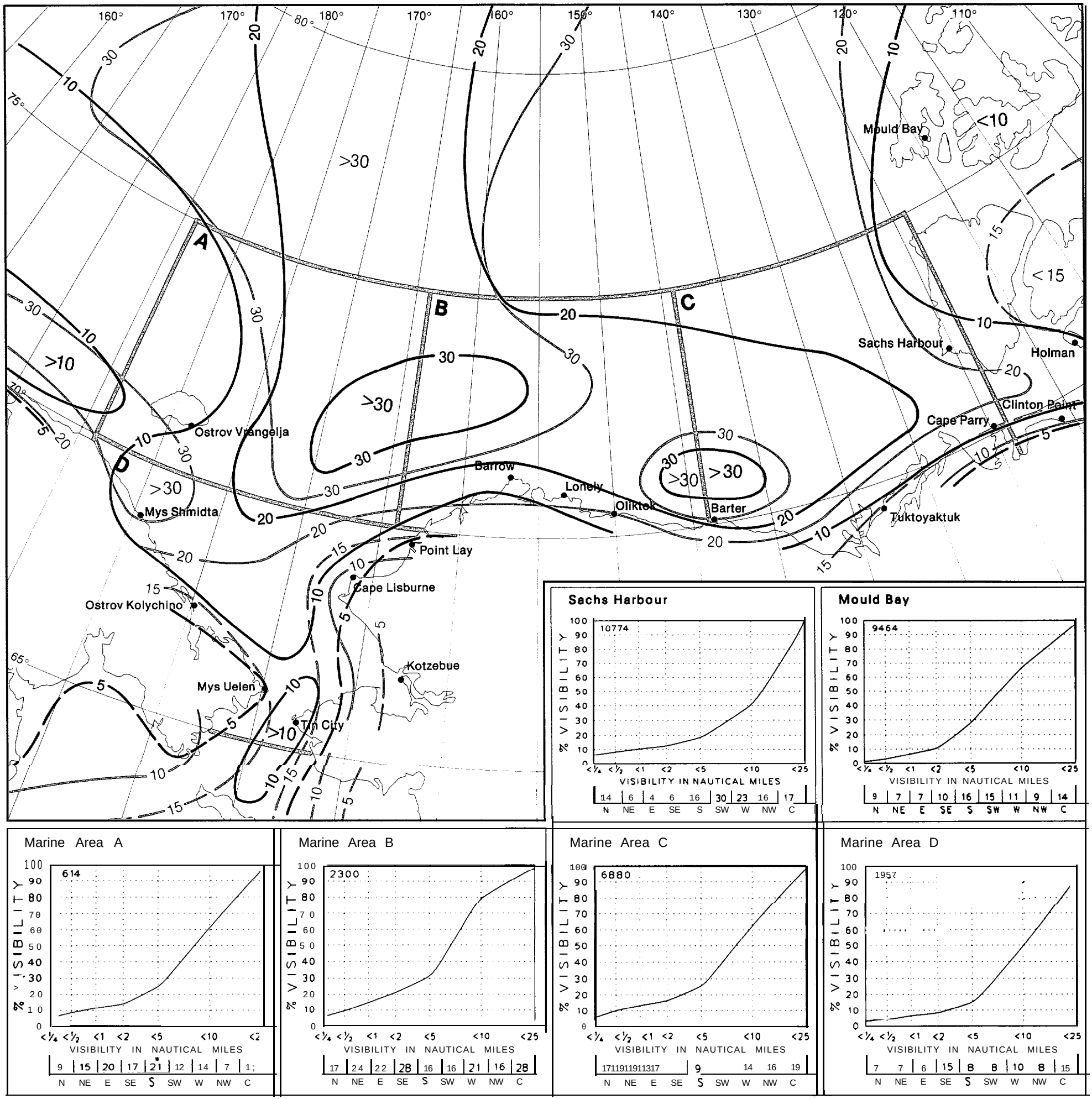

Ostrov Vrangelja
4256
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
5 23 33 20 17 20 17 4 29
N NE E SE S SW W NW C
Mys Shmidta
4564
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
33 28 30 26 12 9 26 31 22
N NE E SE S SW W NW C
Ostrov Kolychino
2550
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
35 35 29 10 6 12 16 32 34
N NE E SE S SW W NW C
Mys Uelen
4532
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
23 24 13 8 6 8 12 21 33
N NE E SE S SW W NW C
Tin City
20807
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
18 14 8 37 42 35 18 17 14
N NE E SE S SW W NW C
Kotrebue
21792
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
1 2 2 2 3 3 3 2 5
N NE E SE S SW W NW C
Cape Lisburne
20255
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
7 11 12 9 3 5 6 6 12
N NE E SE S SW W NW C
Point Lay
3286
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
11 8 8 5 7 10 12 10 12
N NE E SE S SW W NW C
Barrow
19325
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
18 20 20 18 10 20 21 18 28
N NE E SE S SW W NW C
Lonely
3426
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
2 4 25 27 21 8 6 14 17 17
N NE E SE S SW W NW C
Oliktok
3315
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
2212412411916 5 12 16 20
N NE E SE S SW W NW C
Barter
18470
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
30 34 33 24 7 8 23 26 25
N NE E SE S SW W NW C
Tuktoyaktuk
3201
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
12 14 7 3 3 3 3 9 14
N NE E SE S SW W NW C
Cape Parry
19339
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
16 17 13 8 3 4 14 18 13
N NE E SE S SW W NW C
Clinton Point
4483
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
8 8 5 3 3 2 5 14 8
N NE E SE S SW W NW C
Holman
3202
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
17 17 19 18 12 2 2 11 16
N NE E SE S SW W NW C



3 Ceiling and Visibility (low range)

August

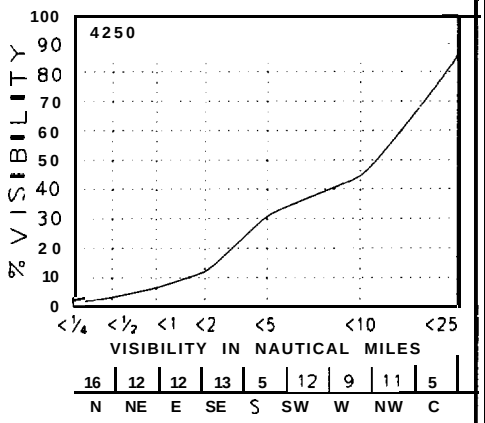

Ostrov Vrangelja
4074
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 <25
10 12 15 4 9 14 11 9 19
N NE E SE S SW W NW C
Mys Shmidta
4323
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
24 30 24 15 10 7 27 33 14
N NE E SE S SW W NW C
Ostrov Kolychino
2437
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
22 21 23 6 5 8 19 14 12
N NE E SE S SW W NW C
Mys Uelen
4352
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
<¼ <½ <1 <2 <5 <10 C25
13 12 6 5 6 7 8 15 21
N NE E SE S SW W NW C
Tin City
19460
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
11 9 7 17 28 21 13 9 8
N NE E SE S SW W NW C
Kotzebue
21064
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
1 1 2 2 2 2 3 2 2
N NE E SE S SW W NW C
Cape Lisburne
19517
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
8 6 5 6 4 3 3 5 7
N NE E SE S SW W NW C
Point Lay
3 2 2 4
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
14 7 7 5 6 8 9 14 10
N NE E SE S SW W NW C
Barrow
18707
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
13 17 17 13 9 13 10 8 26
N NE E SE S SW W NW C
Lonely
3332
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
15 19 19 19 10 11 11 11 17
N NE E SE S SW W NW C
Oliktok
3247
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
20 26 24 17 3 7 18 16 16
N NE E SE S SW W NW C
Barter
17740
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
31 40 30 22 10 12 23 28 28
N NE E SE S SW W NW C
Tuktoyaktuk
3105
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
13 14 10 5 3 4 7 9 12
N NE E SE S SW W NW C
Cape Parry
18975
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
15 14 16 12 4 5 11 15 13
N NE E SE S SW W NW C
Clinton Point
4356
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
12 12 12 8 3 7 17 13
N NE E SE S SW W NW C
Holman
3114
% VISIBILITY
VISIBILITY IN NAUTICAL MILES
22 19 22 18 18 5 5 13 20
N NE E SE S SW W NW C



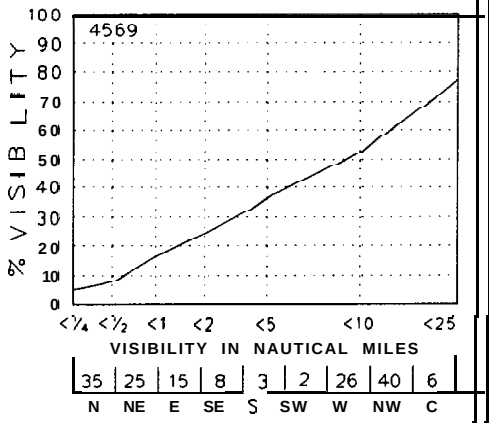
3 Ceiling and Visibility (low range)

September

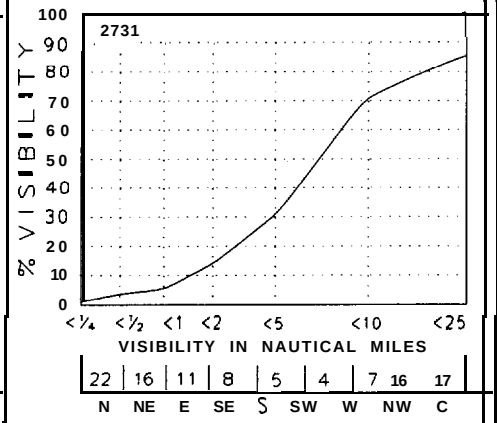
Ostrov Vrangelja



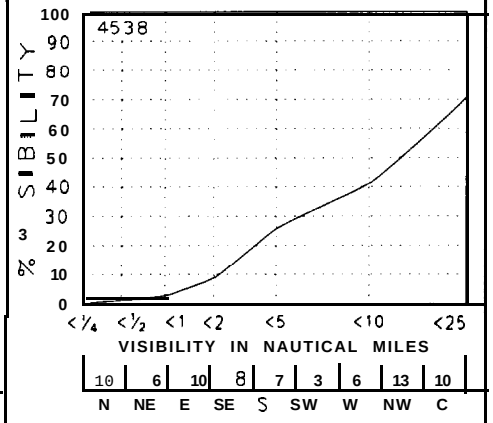
Mys Shmidte



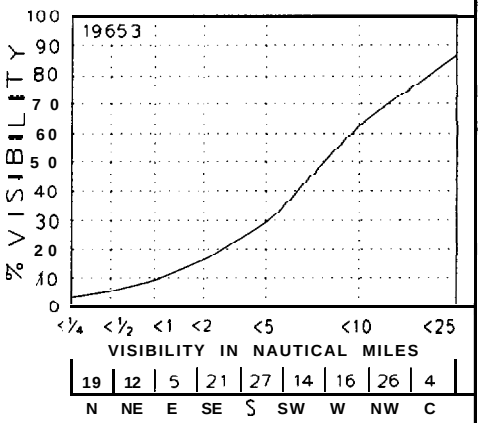
Ostrov Kolychino



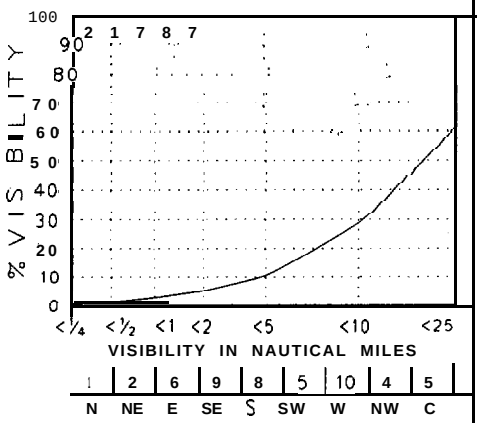
Mys Uelen



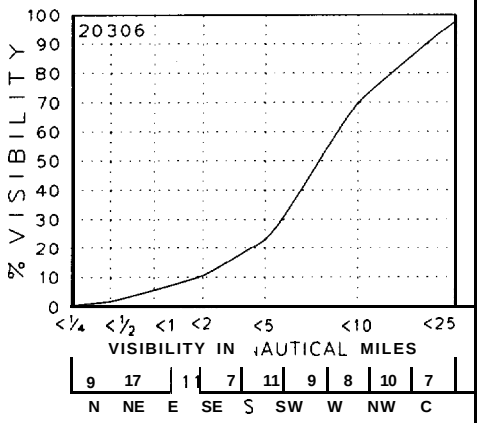
Tin City



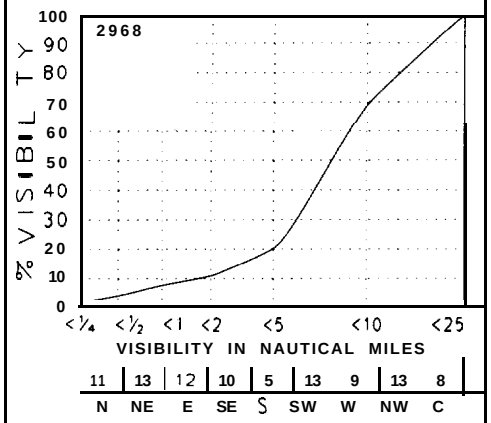
Kotzebue



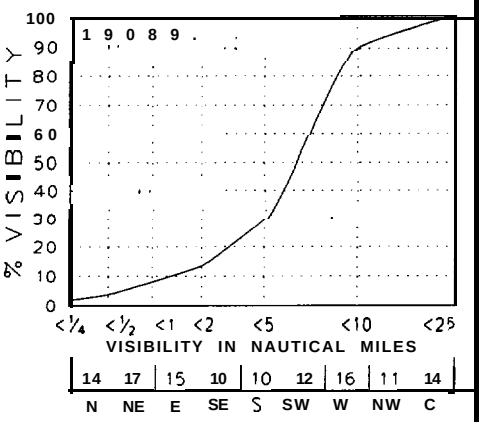
Cape Lisburne



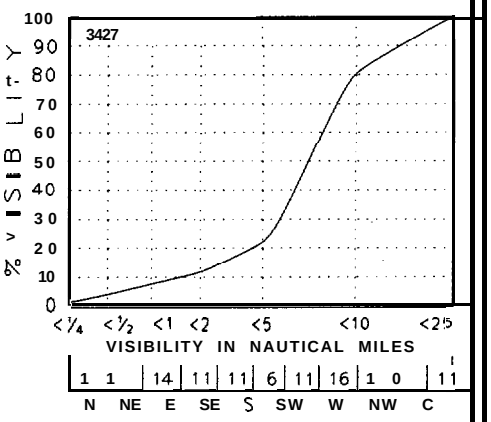
Point Lay



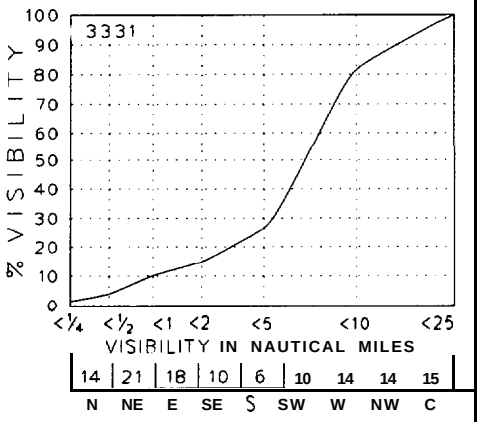
Barrow



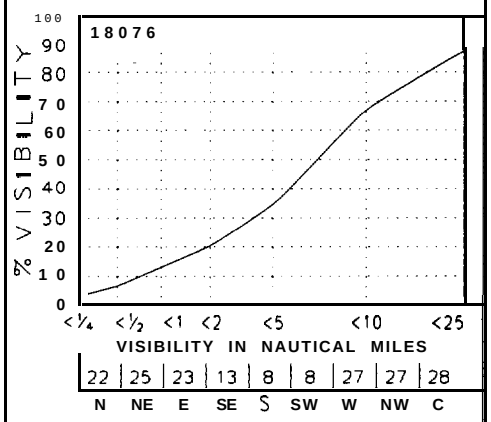
Lonely



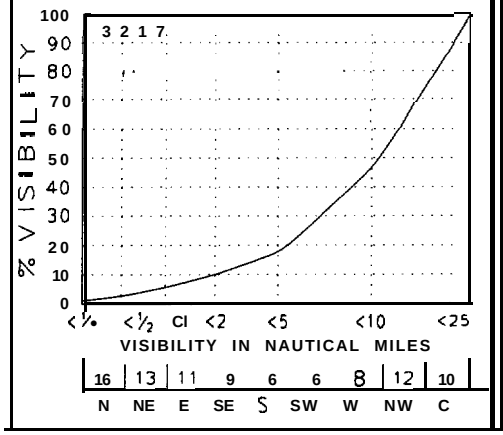
Oliktok



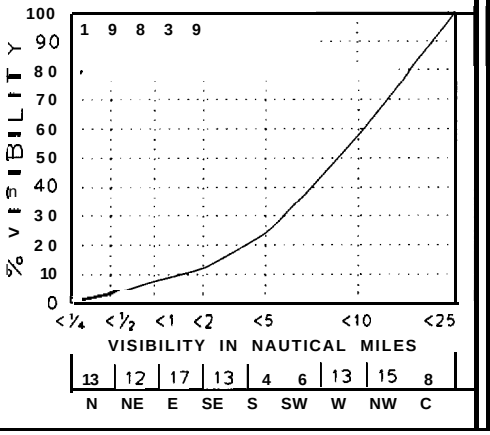
Barter



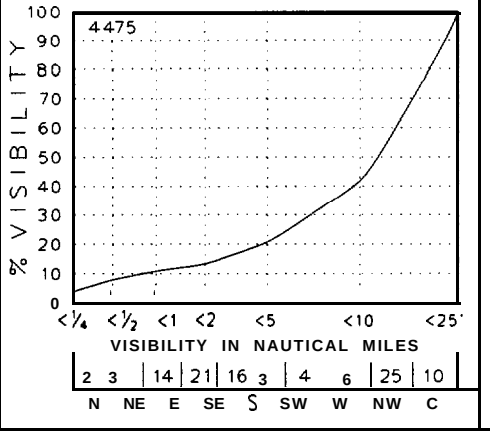
Tuktoyaktuk



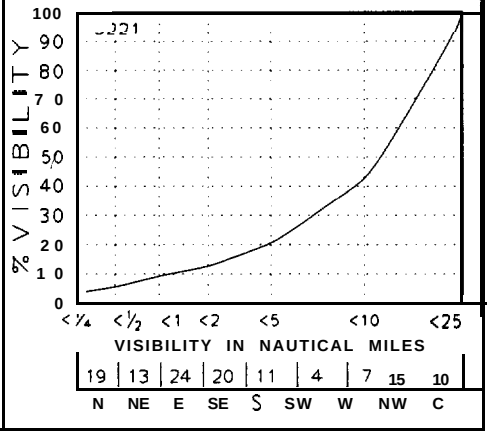
Cape Parry

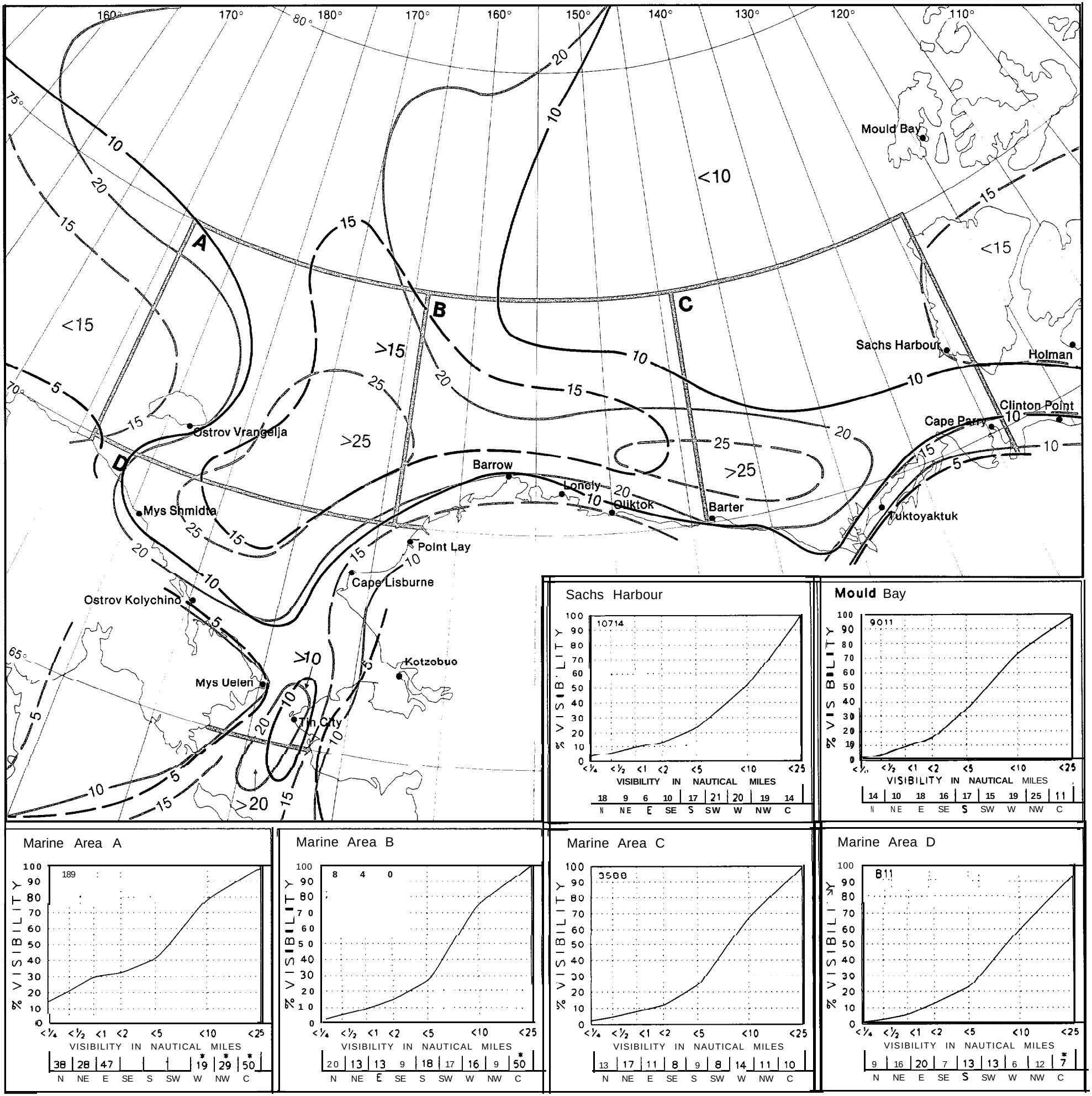


Clinton Point



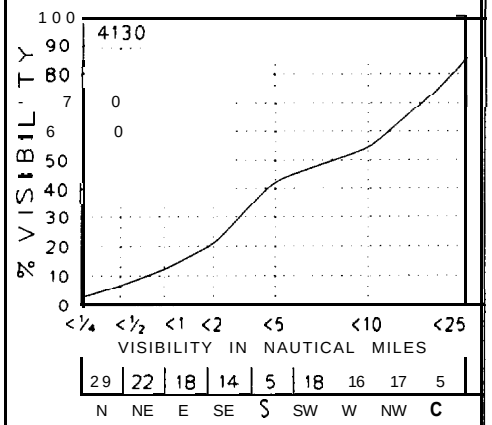
Holman



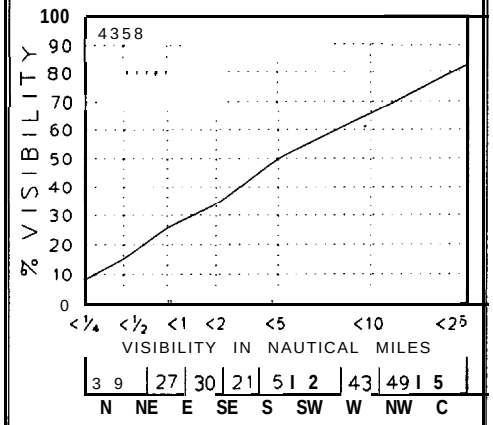


3 Ceiling and Visibility (low range) **October**

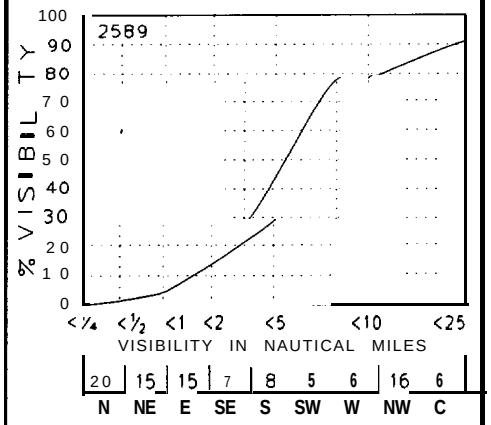
Ostrov Vrangelje



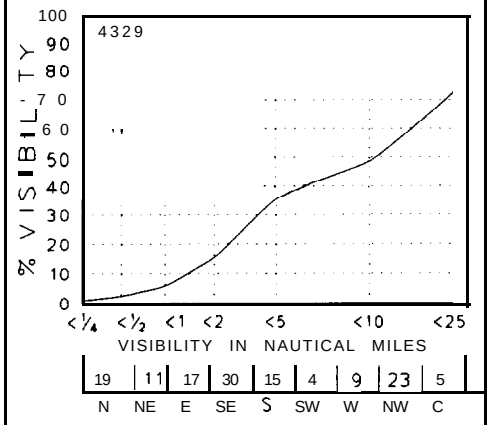
Mys Shmidta



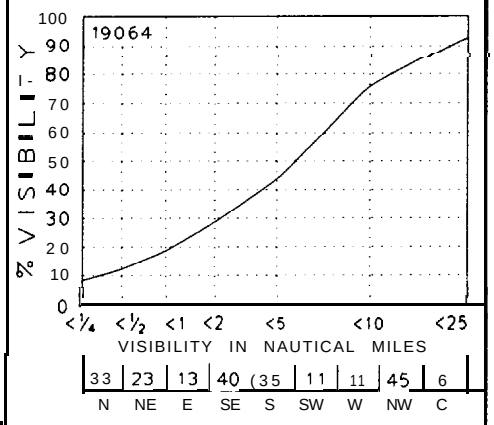
Ostrov Kolychino



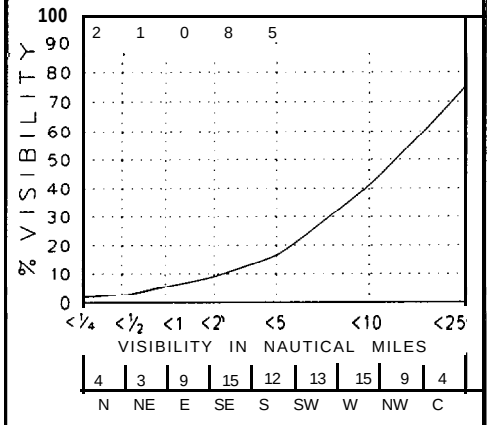
Mys Uelen



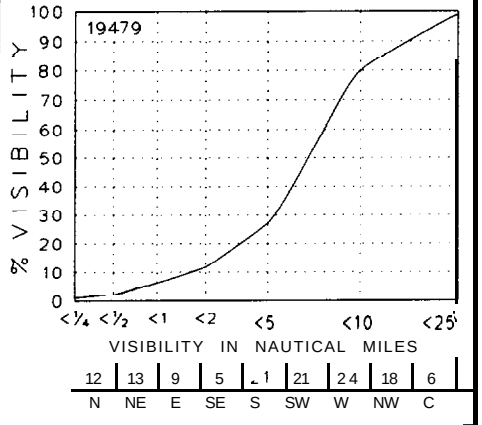
Tin City



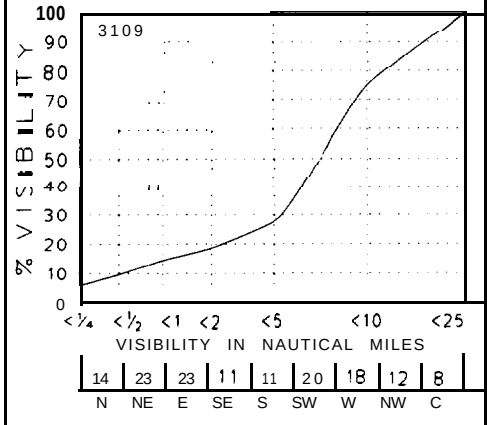
Kotzebue



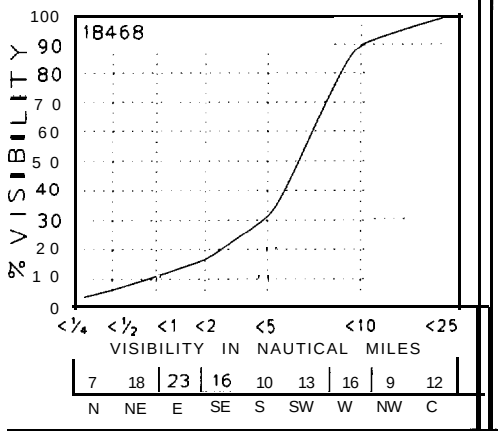
Cape Lisburne



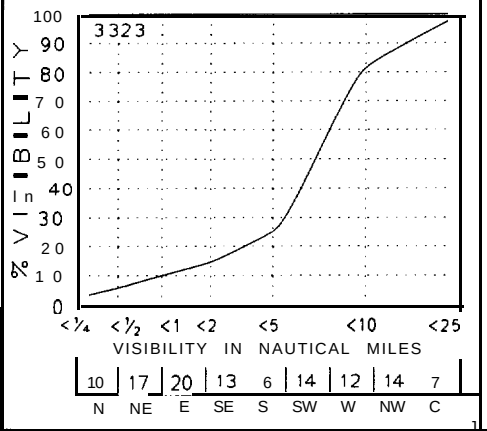
Point Lay



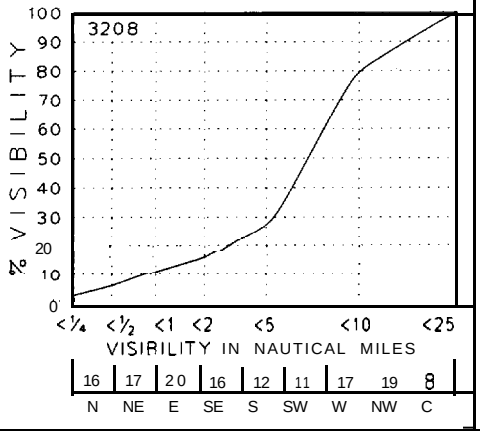
Barrow



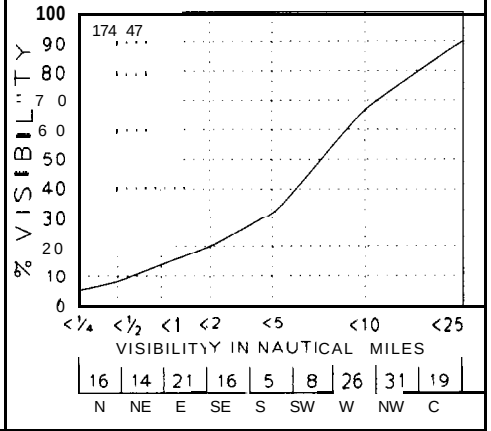
Lonely



Oliktok



Barter



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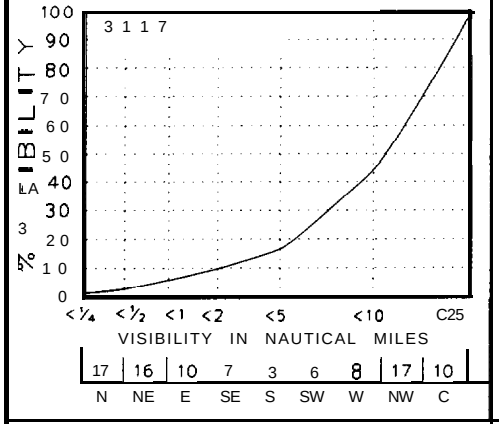
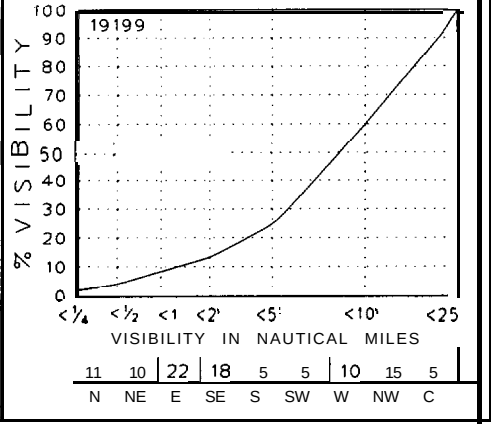
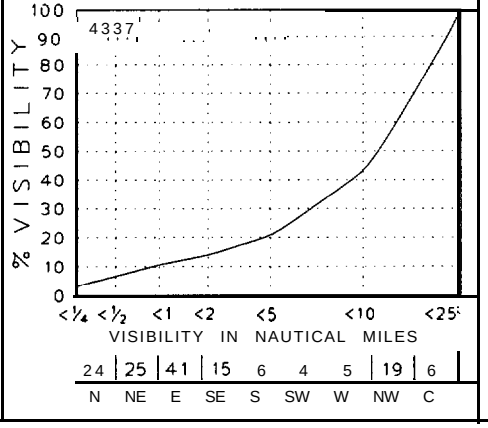


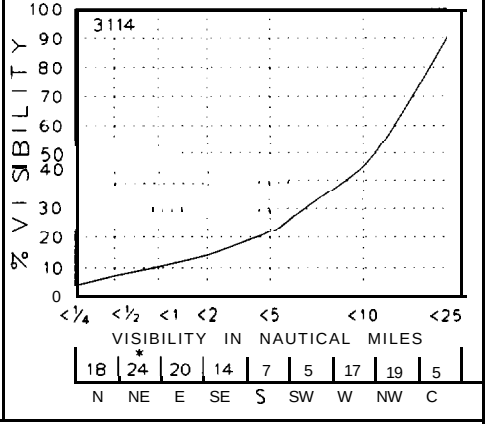
Cape Parry

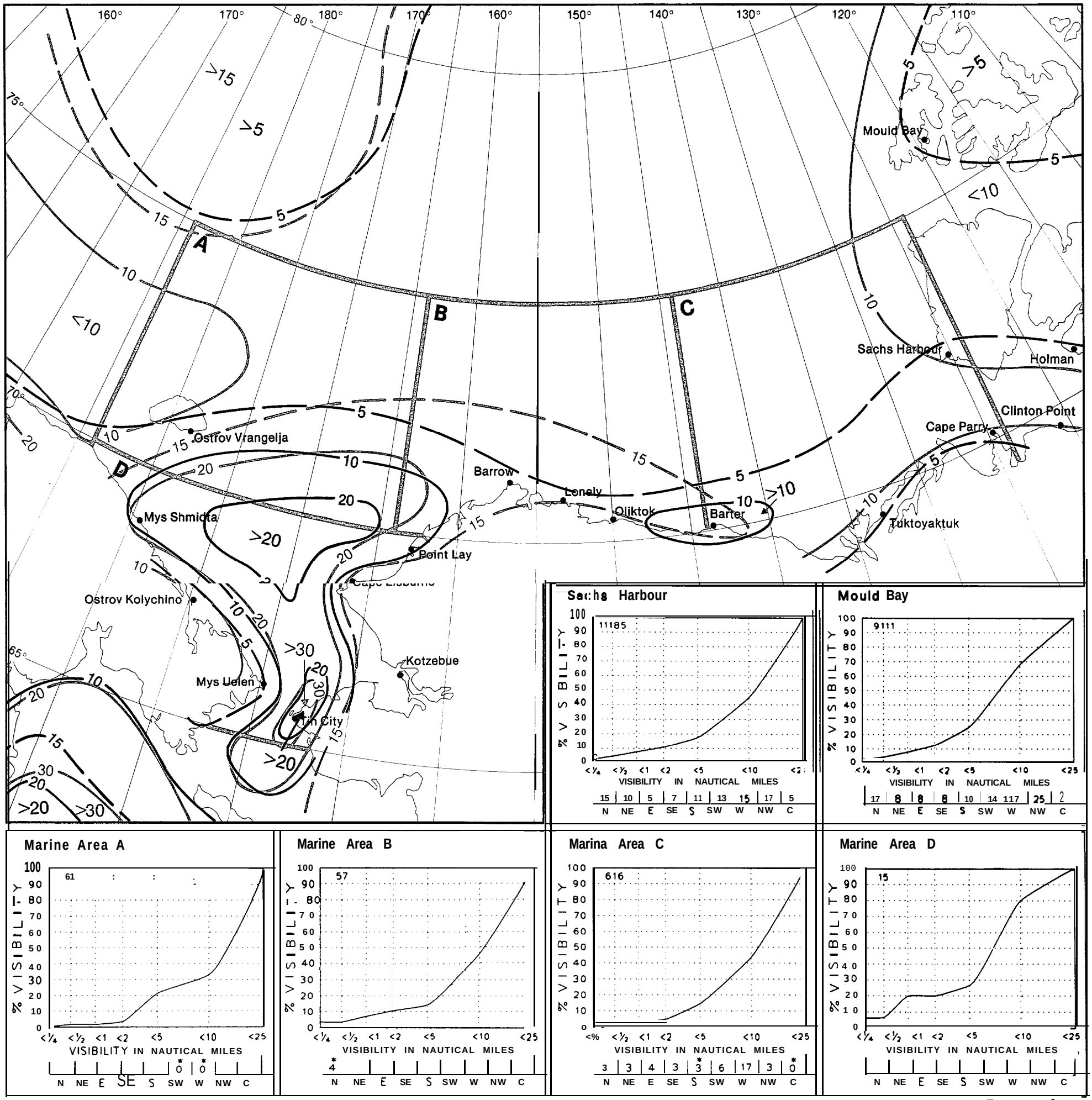


Clinton Point



Holman





3 Ceiling and Visibility (low range)

December

Map 4. Ceiling/visibility (mid range)

BLACK LINE – Percent frequency of low cloud ceiling (LCC) <1000 feet and/or visibility <5 nautical miles.

BLUE LINE – Percent frequency of LCC <8000 feet and/or visibility <10 nautical miles.

Albers Equal-Area Conic Projection

Graphs: Low cloud ceiling/visibility

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) <½	½– <1	1– <2	2– <5	5– <10	≥10
NC	+	0	+	2	7	11
50<80	0	0	+	+	1	1
35<50	+	+	+	1	2	3
20<35	1	1	2	3	8	11
10<20	1	3	3	4	8	8
6<10	+	+	1	2	1	1
3<6	+	+	+	1	+	+
1.5<3	0	0	+	0	0	+
0<1.5	5	2	2	1	2	+

1659

Percent frequency of simultaneous occurrence of specified low cloud ceiling (hundreds of feet) and visibility (nautical miles).

Number of observations.

Low cloud ceiling heights are estimated from the height of low clouds (h) when low cloud amount (N_h) is ≥5/8.

Obscurations are included under ceiling 'O-4.5'.

'NC' (no ceiling) includes bases of clouds ≥8000 feet or N_h <5/8.

(8% of all observations reported ceiling ≥1000 feet but <2000 feet simultaneously with visibility ≥5 but <10 nautical miles).

+ indicates <.5% but >0.

Cloud classification is based upon the cloud appearance and, when possible, the formation process. In estimating the height of the lowest cloud base (h), the observer first determines the type of cloud; and, based on the normal height range for that cloud type, determines the height. Heights are generally higher in the tropics and lower at high latitudes. Similarly, clouds will generally be higher in summer and lower in winter. The appearance of the cloud, such as motion visible in the cloud base and the size of the cloud elements, gives some indication as to how much it is higher or lower than the average. After the observer estimates the height of the base of the lowest cloud in sight, he selects and records the appropriate code (see height table and LCC column in graph). Refer to the texts in Sets 3 and 6 for additional information on clouds.

HEIGHT (h) ABOVE THE SEA OF THE BASE OF THE LOWEST CLOUD SEEN (WMO Code, 1982)

If sky is clear or has only Cirrus-type clouds, code h as 9.

Code figs.	Height in meters	Height in feet
0	0 to 49	100 or less
1	50 to 99	200 or 300
2	100 to 199	400 to 600
3	200 to 299	700 to 900
4	300 to 599	1000 to 1900
5	600 to 999	2000 to 3200
6	1000 to 1499	3300 to 4900
7	1500 to 1999	5000 to 6500
8	2000 to 2499	6600 to 8200
9	2500 or more, or no clouds	8300 or more, or no clouds
/	Sky obscured by fog or snow	

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4162					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	3	4	11	9	46
50<80	+	+	+	1	+	+
35<50	+	+	+	+	+	1
20<35	+	1	1	2	1	1
10<20	+	+	1	3	1	2
6<10	0	+	+	1	+	1
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	1	+	0	0	0	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4693					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	5	6	6	10	14	34
50<80	+	+	+	1	1	+
35<50	+	+	+	1	1	+
20<35	1	1	1	2	1	1
10<20	1	2	2	2	1	1
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	0	0
0<1.5	2	+	+	0	0	0

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2890					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	3	7	43	22
50<80	+	+	1	2	2	1
35<50	0	+	+	0	+	+
20<35	0	+	+	1	3	1
10<20	+	+	2	2	2	+
6<10	+	+	+	+	+	+
3<6	0	0	+	0	0	0
1.5<3	0	0	0	0	0	0
0<1.5	1	+	+	+	0	+

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4678					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	3	7	5	45
50<80	0	+	+	+	+	+
35<50	0	+	+	+	+	+
20<35	+	+	1	2	1	4
10<20	1	1	5	9	4	4
6<10	+	+	1	1	+	+
3<6	+	+	+	+	+	+
1.5<3	0	0	+	+	0	0
0<1.5	1	0	0	+	+	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3889					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	5	5	4	7	14	17
50<80	+	+	+	+	1	1
35<50	+	+	+	1	1	1
20<35	1	1	1	2	2	1
10<20	1	1	1	2	2	1
6<10	+	+	1	2	2	+
3<6	+	1	+	1	1	+
1.5<3	+	0	+	0	+	0
0<1.5	13	1	1	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15508					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	3	9	52
50<80	+	+	+	+	1	2
35<50	+	+	+	+	2	2
20<35	+	+	1	2	3	3
10<20	+	+	1	2	2	1
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	+	+
0<1.5	3	2	1	+	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4146					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	1	3	16	31
50<80	0	+	+	1	3	1
35<50	0	+	+	+	1	1
20<35	+	1	1	3	7	3
10<20	+	1	2	4	7	3
6<10	0	+	+	1	1	1
3<6	0	+	0	+	+	0
1.5<3	0	0	0	0	0	0
0<1.5	1	2	1	+	0	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3321					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	7	2	2	4	28	20
50<80	+	+	+	+	2	+
35<50	0	0	+	0	+	+
20<35	+	+	+	1	4	1
10<20	2	1	1	4	9	2
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	0
1.5<3	+	0	0	+	0	0
0<1.5	5	+	+	+	0	+

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14644					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	3	6	42	11
50<80	+	+	+	1	4	+
35<50	+	+	+	+	1	+
20<35	+	+	+	1	4	+
10<20	1	1	1	2	5	+
6<10	+	+	+	1	2	+
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	+	0
0<1.5	3	1	+	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3372					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	2	3	40	20
50<80	+	+	+	1	2	1
35<50	+	0	0	+	1	+
20<35	+	+	+	1	4	1
10<20	1	1	1	2	7	1
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	0
1.5<3	+	+	+	+	+	0
0<1.5	2	1	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3284					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	4	3	2	5	38	17
50<80	+	+	+	+	2	1
35<50	0	0	0	+	1	+
20<35	+	+	+	1	4	1
10<20	1	1	1	2	8	1
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	0
1.5<3	+	+	0	0	+	0
0<1.5	4	1	+	+	+	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15276					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	5	3	2	4	19	34
50<80	1	+	+	1	3	2
35<50	+	+	+	+	1	1
20<35	1	1	1	2	3	1
10<20	1	1	1	1	3	1
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	0
1.5<3	+	+	+	+	+	0
0<1.5	5	1	+	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3029					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	1	2	18	48
50<80	+	+	+	+	2	2
35<50	+	+	+	+	1	1
20<35	+	+	+	1	4	3
10<20	+	1	1	1	4	1
6<10	0	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	+	0	0	0	+	+
0<1.5	2	1	+	+	+	0

Cape Parry

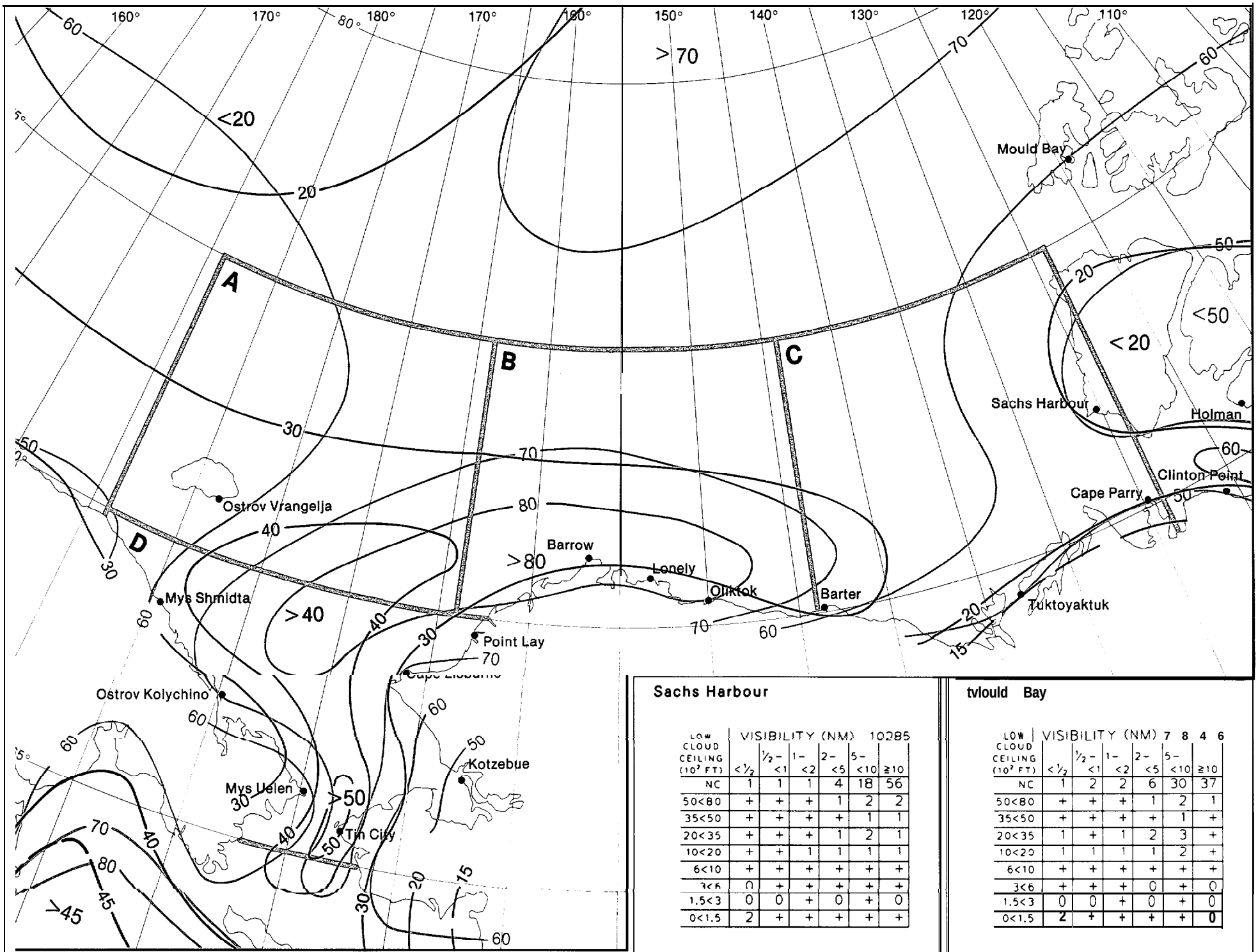
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 18239					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	6	28	42
50<80	+	+	+	1	2	1
35<50	+	+	+	1	1	1
20<35	+	+	1	1	2	1
10<20	1	1	1	1	1	+
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	0
1.5<3	0	+	+	+	+	0
0<1.5	2	+	+	+	+	+

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4263					
	<½	½–<1	1–<2	2–<5	5–<10	8 10
NC	1	1	+	3	10	61
50<80	+	+	+	+	2	2
35<50	+	+	+	+	2	1
20<35	1	1	+	1	4	2
10<20	1	1	+	1	1	1
6<10	+	+	+	+	+	+
3<6	+	+	0	+	+	+
1.5<3	+	0	0	0	+	+
0<1.5	+	+	+	0	+	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2924					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	+	+	1	9	57
50<80	+	+	+	+	2	3
35<50	+	+	+	+	1	1
20<35	1	+	+	1	4	3
10<20	1	1	1	2	3	1
6<10	+	+	+	+	+	+
3<6	+	+	+	0	0	0
1.5<3	0	0	0	0	0	0
0<1.5	4	+	+	+	+	0



Sachs Harbour

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	10285
NC	1	1	1	4	18	56	
50<80	+	+	+	1	2	2	
35<50	+	+	+	+	1	1	
20<35	+	+	+	1	2	1	
10<20	+	+	1	1	1	1	
6<10	+	+	+	+	+	+	
3<6	0	+	+	+	+	+	
1.5<3	0	0	+	0	+	0	
0<1.5	2	+	+	+	+	+	

tvlould Bay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	7 8 4 6
NC	1	2	2	6	30	37	
50<80	+	+	+	1	2	1	
35<50	+	+	+	+	1	+	
20<35	1	+	1	2	3	+	
10<20	1	1	1	1	2	+	
6<10	+	+	+	+	+	+	
3<6	+	+	+	0	+	0	
1.5<3	0	0	+	0	+	0	
0<1.5	2	+	+	+	+	0	

Marine Area A

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	111
NC	0	0	1	3	5	53	
50<80	0	0	0	0	1	6	
35<50	0	0	0	0	0	0	
20<35	1	1	1	6	3	5	
10<20	0	1	2	4	1	5	
6<10	0	0	0	0	0	1	
3<6	0	0	0	0	0	2	
1.5<3	0	0	0	0	0	0	
0<1.5	0	0	0	0	0	0	

Marine Area B

No Data Avoiloble

Marine Area C

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	316
NC	2	1	1	1	17	62	
50<80	0	0	0	1	2	1	
35<50	0	0	0	+	0	0	
20<35	0	+	0	1	3	+	
10<20	+	0	0	2	3	1	
6<10	0	0	0	0	0	0	
3<6	0	0	0	+	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	2	1	0	+	+	0	

Marine Area D

No Data Available

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3893					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	2	3	10	10	56
50<80	+	+	+	+	+	+
35<50	+	+	+	1	+	1
20<35	1	+	+	2	1	1
10<20	+	+	1	2	1	1
6<10	+	+	+	1	+	+
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	1	0	+	+	0	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4354					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	7	9	7	9	14	39
50<80	+	+	+	+	1	+
35<50	+	+	+	+	+	+
20<35	1	+	1	2	1	1
10<20	1	1	1	1	+	+
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	0	0	0	+	+	0
0<1.5	1	+	+	0	0	0

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2774					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	3	7	40	28
50<80	+	1	2	2	2	1
35<50	+	+	+	+	+	+
20<35	+	+	+	1	3	1
10<20	+	+	1	2	1	+
6<10	0	+	+	+	0	+
3<6	0	0	+	+	0	+
1.5<3	0	0	0	0	0	0
0<1.5	+	+	+	0	0	0

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4347					
	<½	½–<1	1–<2	2–<5	5–<10	110
NC	+	1	3	8	9	50
50<80	0	0	+	0	+	+
35<50	+	0	+	+	+	+
20<35	+	+	1	21	1	2
10<20	1	1	4	7	3	3
6<10	+	+	+1	1	+	+
3<6	0	+	+	+	+	+
1.5<3	0	0	+	+	0	0
0<1.5	1	0	0	0	0	0

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3597					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	8	4	5	10	16	21
50<80	0	+	+	+	+	1
35<50	+	+	+	+	1	1
20<35	1	1	1	2	1	1
10<20	1	1	1	2	1	1
6<10	+	1	1	1	2	+
3<6	+	+	+	1	+	+
1.5<3	0	+	+	+	+	0
0<1.5	9	1	+	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 13959					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	3	9	53
50<80	+	+	+	+	1	2
35<50	+	+	+	1	1	2
20<35	+	+	1	2	3	3
10<20	+	+	1	2	2	2
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	+
1.5<3	0	+	0	+	+	+
0<1.5	2	1	1	+	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3958					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	1	3	17	44
50<80	+	0	+	+	1	1
35<50	+	+	0	+	1	1
20<35	+	1	1	2	5	3
10<20	+	1	1	2	5	1
6<10	0	+	+	1	+	+
3<6	0	0	+	+	+	0
1.5<3	0	0	0	+	+	0
0<1.5	2	1	+	+	0	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3021					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	6	4	2	4	33	20
50<80	+	+	+	+	2	+
35<50	0	0	0	+	1	+
20<35	+	+	+	1	4	1
10<20	2	1	1	3	8	1
6<10	+	+	+	+	+	0
3<6	+	+	+	0	+	+
1.5<3	0	+	0	0	+	+
0<1.5	4	+	+	+	+	+

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 13335					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	3	7	46	10
50<80	+	+	+	1	3	+
35<50	+	+	+	+	1	+
20<35	+	1	1	2	4	+
10<20	+	1	1	2	4	+
6<10	+	+	+	1	2	+
3<6	+	+	+	+	1	+
1.5<3	+	+	+	+	+	0
0<1.5	1	+	+	+	0	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3073					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	2	3	42	23
50<80	+	+	+	+	2	1
35<50	+	0	+	+	1	+
20<35	+	+	+	1	4	1
10<20	1	1	1	1	7	1
6<10	+	+	+	+	1	0
3<6	+	+	+	+	+	0
1.5<3	0	+	0	+	+	0
0<1.5	1	1	+	+	0	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3059					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	2	2	4	42	18
50<80	+	+	+	+	2	1
35<50	+	+	+	+	1	+
20<35	1	+	+	1	4	1
10<20	1	1	1	2	8	+
6<10	+	+	+	+	+	0
3<6	+	+	+	+	+	0
1.5<3	0	+	+	0	+	0
0<1.5	1	+	+	+	+	+

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14226					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	4	2	2	4	20	36
50<80	1	1	+	1	3	2
35<50	1	+	+	1	1	+
20<35	1	1	1	2	3	1
10<20	1	1	1	1	1	+
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	0
1.5<3	+	0	+	+	+	+
0<1.5	5	1	+	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2759					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	+	2	16	54
50<80	+	+	+	1	3	3
35<50	0	+	+	+	1	1
20<35	+	+	+	1	3	1
10<20	+	1	1	1	3	1
6<10	+	+	+	+	+	+
3<6	0	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	1	+	+	+	+	0

Cape Parry

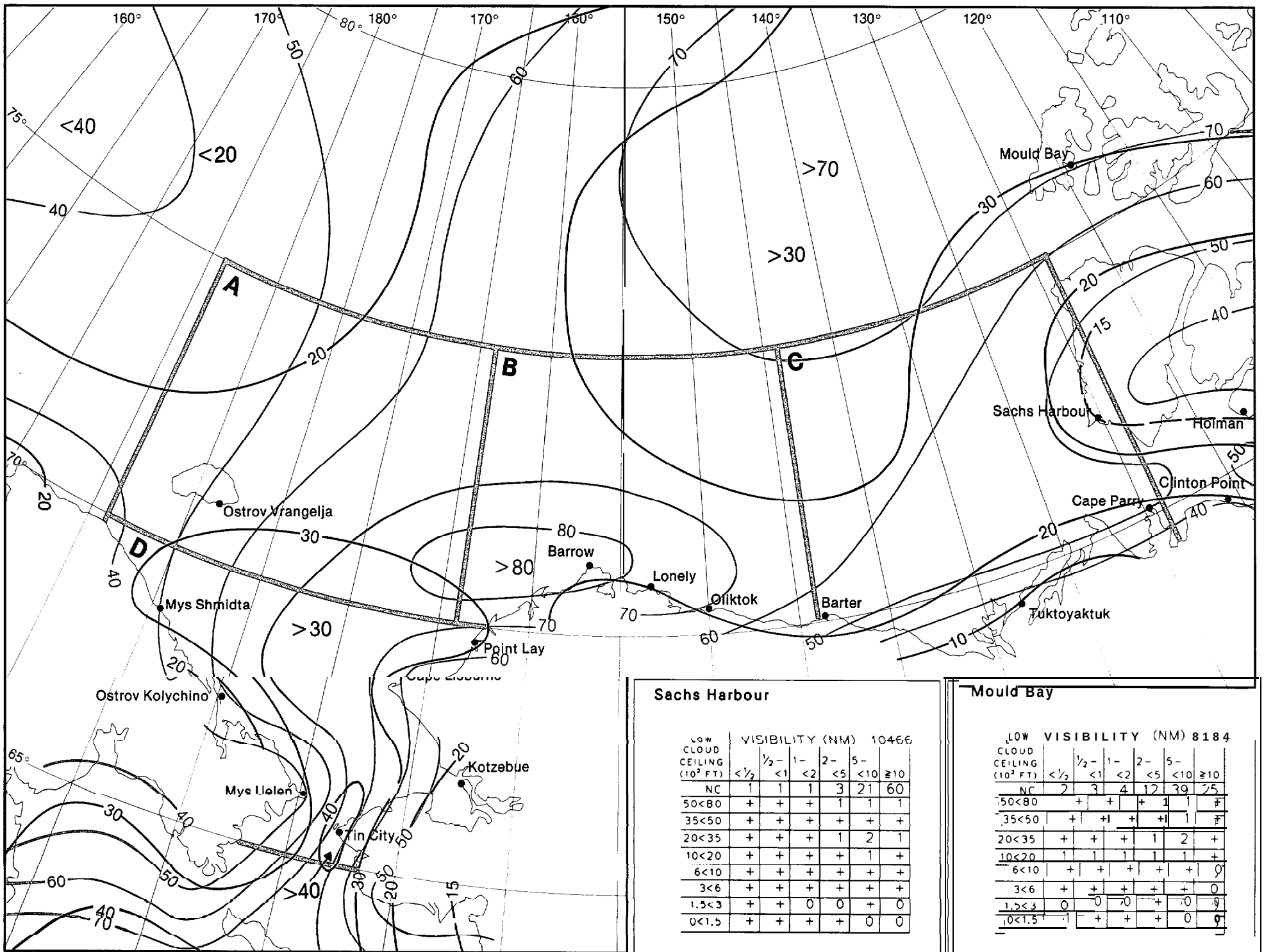
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16876					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	2	6	27	45
50<80	+	+	+	1	1	1
35<50	+	+	+	+	1	+
20<35	+	+	+	1	2	+
10<20	+	+	+	1	1	+
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	0	+	+	+	0	0
0<1.5	1	+	+	+	+	+

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3907					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	2	10	65
50<80	1	+	+	+	2	3
35<50	+	+	+	+	2	2
20<35	+	+	+	1	2	2
10<20	1	+	+	1	1	+
6<10	+	+	+	+	+	+
3<6	+	0	+	+	+	0
1.5<3	0	0	0	0	0	0
0<1.5	+	+	+	+	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2739					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	2	9	63
50<80	+	+	+	+	2	2
35<50	+	+	+	+	1	1
20<35	+	+	+	1	3	2
10<20	1	+	1	1	2	1
6<10	+	+	+	+	+	+
3<6	+	0	0	0	0	0
1.5<3	0	0	0	+	0	0
0<1.5	2	+	+	0	0	0



Sachs Harbour

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 10466					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	3	21	60
50<80	+	+	+	1	1	1
35<50	+	+	+	+	+	+
20<35	+	+	+	1	2	1
10<20	+	+	+	+	1	+
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	+	+	0	0	+	0
0<1.5	+	+	+	+	0	0

Mould Bay

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 8184					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	3	4	12	39	25
50<80	+	+	+	1	1	+
35<50	+	+	+	+	1	+
20<35	+	+	+	1	2	+
10<20	1	1	1	1	1	+
6<10	+	+	+	+	+	0
3<6	+	+	+	+	+	0
1.5<3	0	0	0	+	0	0
0<1.5	+	+	+	+	0	0

Marine Area A

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 189					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	0	0	2	2	21	44
50<80	0	1	0	3	3	1
35<50	0	0	0	0	1	0
20<35	0	2	1	1	0	2
10<20	1	0	3	3	3	2
6<10	1	0	0	2	0	1
3<6	1	1	0	1	0	1
1.5<3	0	0	0	0	0	0
0<1.5	1	1	1	0	0	0

Marine Area B

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 54					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	0	0	0	2	70	2
50<80	0	0	0	2	0	2
35<50	0	0	0	0	0	0
20<35	0	0	0	0	2	0
10<20	0	2	2	4	2	0
6<10	0	0	2	4	0	0
3<6	0	0	0	0	0	0
1.5<3	0	0	0	0	0	0
0<1.5	4	2	0	0	0	0

Marine Area C

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 273					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	2	2	5	79
50<80	0	0	0	+	2	2
35<50	+	0	0	0	0	0
20<35	0	0	0	+	1	+
10<20	+	1	+	0	0	1
6<10	0	+	+	0	0	0
3<6	0	0	0	0	+	0
1.5<3	0	0	0	0	0	0
0<1.5	0	0	0	0	0	0

Marine Area D

LOW CLOUD CEILING (10^3 FT)	VISIBILITY (NM) 103					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	0	0	0	1	32	20
50<80	0	0	0	0	2	2
35<50	0	0	0	1	3	3
20<35	0	0	1	0	1	3
10<20	0	0	3	5	10	1
6<10	0	0	0	0	1	0
3<6	0	1	1	0	3	0
1.5<3	0	0	0	1	0	0
0<1.5	1	0	2	2	1	0

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4426					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	4	8	5	63
50<80	+	0	+	+	+	+
35<50	0	+	+	+	+	+
20<35	+	+	+	2	1	2
10<20	+	+	1	3	1	2
6<10	+	+	+	1	+	1
3<6	0	+	+	+	+	+
1.5<3	0	0	0	+	0	0
0<1.5	1	0	0	+	0	0

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4663					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	4	4	8	10	54
50<80	+	+	+	+	+	+
35<50	+	0	+	+	+	1
20<35	+	+	+	1	1	1
10<20	1	1	1	2	2	1
6<10	+	+	+	+	+	+
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	0	0
0<1.5	1	+	+	0	0	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2751					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	2	5	24	46
50<80	+	+	2	2	2	1
35<50	0	+	+	+	+	+
20<35	0	+	+	1	3	3
10<20	0	+	1	2	1	1
6<10	0	0	0	+	+	+
3<6	0	+	0	+	+	+
1.5<3	0	0	0	0	+	0
0<1.5	1	+	+	0	0	0

My8 Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4646					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	6	4	48
50<80	0	+	+	+	+	+
35<50	0	+	+	+	+	+
20<35	+	+	+	2	1	4
10<20	+	1	3	10	5	8
6<10	+	+	+	1	+	1
3<6	+	0	+	+	+	+
1.5<3	0	0	+	0	0	0
0<1.5	1	+	+	+	0	0

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4236					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	3	4	6	9	21
50<80	+	+	+	+	+	+
35<50	+	+	+	+	+	1
20<35	1	2	1	2	3	2
10<20	1	1	1	2	3	2
6<10	1	1	1	3	2	+
3<6	1	1	2	2	1	+
1.5<3	+	+	+	+	+	+
0<1.5	10	1	1	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14888					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	2	5	58
50<80	+	+	+	+	1	3
35<50	+	+	+	+	1	2
20<35	+	+	1	2	2	4
10<20	+	+	1	1	2	3
6<10	+	+	+	1	1	1
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	+	+
0<1.5	2	1	1	1	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4500					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	1	2	11	39
50<80	0	+	+	+	1	2
35<50	0	+	+	+	1	1
20<35	1	1	1	2	5	5
10<20	+	1	1	3	8	4
6<10	0	+	1	1	2	1
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	+
0<1.5	1	1	+	+	0	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3171					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	8	2	3	4	29	20
50<80	+	+	+	+	2	1
35<50	0	0	+	0	1	+
20<35	1	+	+	1	5	2
10<20	2	2	2	3	7	2
6<10	1	+	+	+	1	+
3<6	+	+	+	+	+	0
1.5<3	+	0	0	0	0	+
0<1.5	2	+	+	0	0	0

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14399					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	4	45	12
50<80	+	+	+	+	3	+
35<50	+	+	+	+	2	+
20<35	+	+	+	1	4	+
10<20	+	+	1	3	7	+
6<10	+	1	1	2	4	+
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	+	+
0<1.5	1	+	+	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3219					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	1	3	38	22
50<80	0	+	+	+	2	1
35<50	0	0	+	+	1	+
20<35	+	+	1	1	4	1
10<20	1	1	1	3	9	1
6<10	+	+	+	1	1	+
3<6	+	+	+	+	+	0
1.5<3	+	+	0	+	+	0
0<1.5	1	+	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3221					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	2	3	40	19
50<80	+	+	+	+	3	1
35<50	0	+	+	+	1	+
20<35	+	+	1	1	5	1
10<20	1	1	1	3	8	+
6<10	+	+	+	+	1	0
3<6	+	+	+	+	+	0
1.5<3	+	0	+	+	0	0
0<1.5	2	+	0	+	0	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15839					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	1	3	14	44
50<80	+	+	+	1	2	3
35<50	+	+	+	+	1	1
20<35	+	+	1	2	2	1
10<20	1	1	1	2	3	2
6<10	+	+	1	1	2	1
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	+	+
0<1.5	2	+	+	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3030					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	1	1	9	61
50<80	0	+	+	+	2	3
35<50	+	+	+	+	1	1
20<35	+	+	1	1	4	2
10<20	+	1	1	1	3	1
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	+
1.5<3	+	+	+	0	0	0
0<1.5	1	+	+	+	0	0

Cape Parry

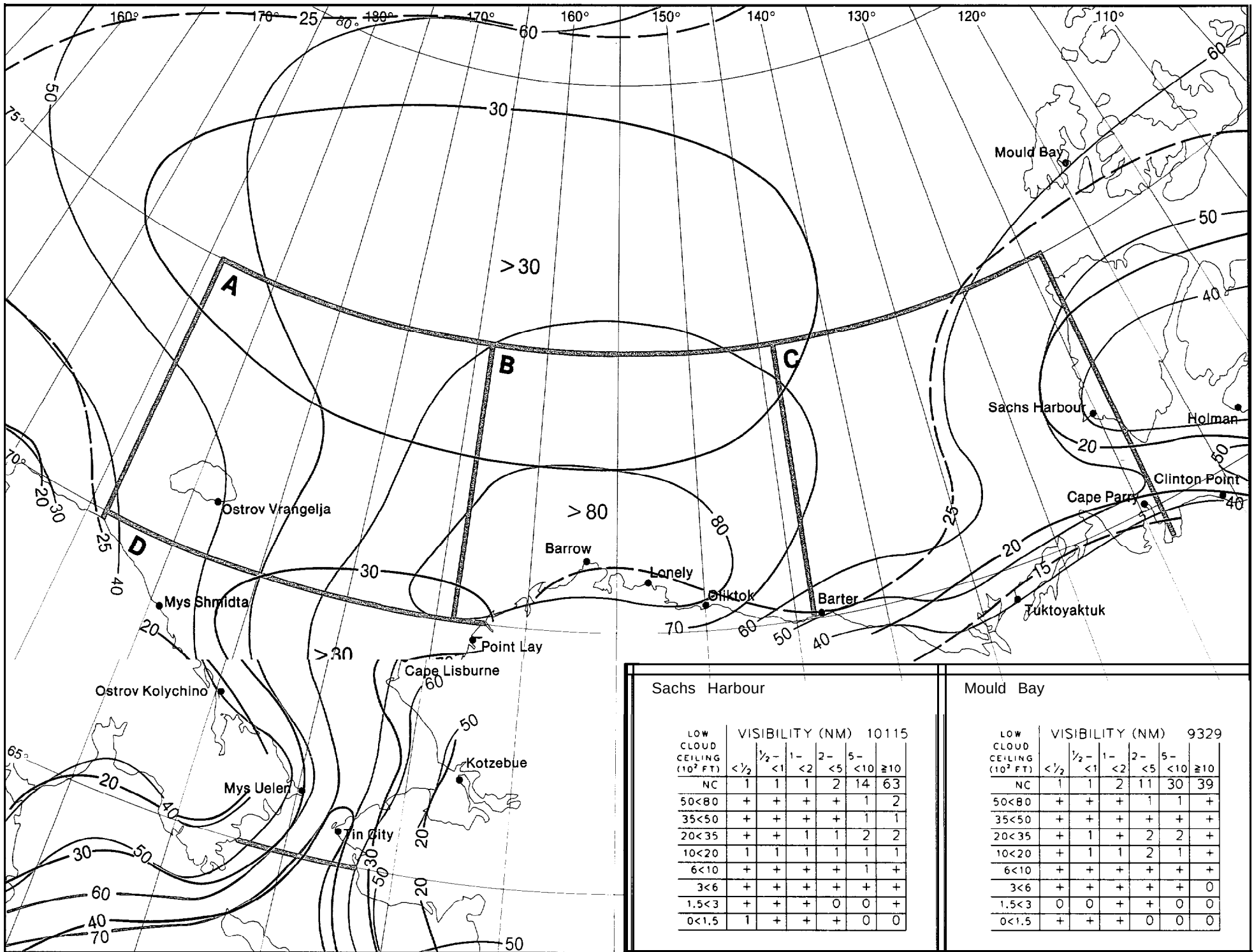
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 18148					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	5	19	51
50<80	+	+	+	1	1	1
35<50	+	+	+	+	1	+
20<35	+	+	+	1	1	1
10<20	1	1	1	1	2	1
6<10	+	+	+	1	1	+
3<6	+	+	+	+	1	+
1.5<3	+	+	+	+	+	0
0<1.5	II	+I	+I	+I	0	0

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4100					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	1	2	9	60
50<80	+	+	1	1	2	2
35<50	+	+	+	+	1	1
20<35	+	+	+	1	3	1
10<20	1	+	1	2	3	1
6<10	+	+	+	+	2	+
3<6	+	+	+	+	+	0
1.5<3	+	0	0	+	0	0
0<1.5	1	+	+	0	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2973					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	8	60
50<80	+	+	+	+	1	2
35<50	+	+	+	+	1	1
20<35	+	+	+	1	3	3
10<20	1	1	1	3	3	1
6<10	+	+	+	+	+	+
3<6	+	+	+	+	0	+
1.5<3	0	+	0	0	0	0
0<1.5	1	+	+	+	+	0



Sachs Harbour

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	10115
NC	1	1	1	2	14	63	
50<80	+	+	+	+	1	2	
35<50	+	+	+	+	1	1	
20<35	+	+	1	1	2	2	
10<20	1	1	1	1	1	1	
6<10	+	+	+	+	1	+	
3<6	+	+	+	+	+	+	
1.5<3	+	+	+	0	0	+	
0<1.5	1	+	+	+	0	0	

Mould Bay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	9329
NC	1	1	2	11	30	39	
50<80	+	+	+	1	1	+	
35<50	+	+	+	+	+	+	
20<35	+	1	+	2	2	+	
10<20	+	1	1	2	1	+	
6<10	+	+	+	+	+	+	
3<6	+	+	+	+	+	0	
1.5<3	0	0	+	+	0	0	
0<1.5	+	+	+	0	0	0	

Marine Area A

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	180
NC	0	1	1	4	4	53	
50<80	0	0	0	3	4	3	
35<50	0	0	0	0	1	1	
20<35	0	0	0	3	2	1	
10<20	0	1	2	3	3	1	
6<10	0	1	1	2	0	2	
3<6	0	0	0	2	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	2	1	2	1	0	0	

Marine Area B

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	189
NC	0	0	0	2	52	1	
50<80	0	0	0	2	3	0	
35<50	0	0	0	1	2	0	
20<35	0	0	0	1	3	1	
10<20	0	0	1	8	3	1	
6<10	0	2	3	3	0	0	
3<6	0	0	0	1	1	0	
1.5<3	0	0	0	0	0	1	
0<1.5	6	3	3	0	0	0	

Marine Area C

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	166
NC	3	3	1	4	11	54	
50<80	0	0	1	1	4	2	
35<50	0	0	0	0	0	0	
20<35	1	0	0	1	5	1	
10<20	0	0	0	2	2	0	
6<10	0	0	0	1	1	0	
3<6	1	0	0	1	1	0	
1.5<3	0	0	1	0	1	0	
0<1.5	0	0	0	0	0	0	

Marine Area D

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	174
NC	0	0	0	1	49	5	
50<80	0	0	0	0	5	0	
35<50	0	0	0	0	1	1	
20<35	1	0	0	0	2	0	
10<20	0	1	0	5	9	0	
6<10	0	1	2	5	1	0	
3<6	1	1	1	2	1	0	
1.5<3	0	0	0	0	0	0	
0<1.5	1	3	2	1	0	0	

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4395					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	4	3	33
50<80	+	+	0	+	+	+
35<50	+	+	+	+	+	1
20<35	+	+	+	2	1	5
10<20	+	1	1	6	4	12
6<10	+	+	+	3	3	6
3<6	+	+	+	2	1	2
1.5<3	+	+	+	+	+	+
0<1.5	4	+	+	0	0	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4630					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	3	3	34
50<80	+	+	+	+	+	1
35<50	0	+	+	+	+	1
20<35	+	+	+	1	1	3
10<20	+	1	2	3	4	5
6<10	+	1	1	2	3	4
3<6	+	2	2	3	3	3
1.5<3	+	1	1	1	+	+
0<1.5	5	+	+	0	+	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 29 19					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	2	3	30
50<80	+	+	1	1	1	1
35<50	0	0	+	+	+	1
20<35	+	+	+	2	4	9
10<20	+	+	2	4	7	12
6<10	+	0	+	2	3	3
3<6	0	+	1	2	1	1
1.5<3	0	0	+	+	+	+
0<1.5	6	+	0	0	+	+

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 465 1					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	2	1	27
50<80	0	0	0	+	0	+
35<50	0	0	+	+	+	1
20<35	+	+	+	1	1	10
10<20	+	+	2	8	5	21
6<10	0	+	+	2	2	5
3<6	0	+	+	1	1	1
1.5<3	0	+	+	+	+	+
0<1.5	4	0	+	+	0	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4747					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	1	2	24
50<80	+	+	+	+	+	2
35<50	+	+	+	+	+	3
20<35	1	1	2	2	2	5
10<20	1	+	+	2	3	5
6<10	+	+	1	2	6	3
3<6	+	1	1	3	3	1
1.5<3	0	+	+	+	1	+
0<1.5	13	1	+	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14873					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	1	61
50<80	+	+	+	+	+	4
35<50	+	+	+	+	+	3
20<35	+	+	+	+	1	6
10<20	+	+	+	1	2	6
6<10	+	+	+	1	2	3
3<6	+	+	+	1	1	1
1.5<3	+	+	+	+	+	+
0<1.5	1	1	1	+	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4898					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	4	27
50<80	+	0	0	+	+	2
35<50	+	0	0	+	+	2
20<35	+	+	+	1	3	6
10<20	+	+	1	2	10	12
6<10	+	+	1	1	8	7
3<6	+	+	+	1	2	1
1.5<3	+	+	+	0	+	+
0<1.5	2	1	1	+	+	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3189					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	1	13	22
50<80	+	+	+	+	1	1
35<50	+	0	+	+	1	1
20<35	+	+	+	1	6	5
10<20	2	2	2	3	16	9
6<10	1	+	+	1	2	1
3<6	+	+	+	+	1	+
1.5<3	+	0	0	0	+	+
0<1.5	2	+	+	+	0	0

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14855					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	17	6
50<80	+	+	+	+	1	+
35<50	+	0	0	+	1	+
20<35	+	+	+	1	5	1
10<20	+	+	1	3	16	1
6<10	+	1	1	4	16	1
3<6	1	1	1	3	7	+
1.5<3	+	+	+	+	+	0
0<1.5	4	1	+	+	+	+

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3249					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	15	10
50<80	+	0	+	+	1	1
35<50	+	0	0	0	1	+
20<35	+	+	+	1	5	3
10<20	1	1	2	4	22	5
6<10	1	1	1	2	7	+
3<6	1	1	1	1	3	+
1.5<3	+	+	+	+	+	0
0<1.5	3	1	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3223					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	1	14	10
50<80	0	0	+	+	2	2
35<50	0	+	0	+	1	+
20<35	+	1	1	1	8	2
10<20	1	2	2	5	21	2
6<10	1	1	1	2	4	+
3<6	1	1	1	1	2	+
1.5<3	+	0	0	+	+	0
0<1.5	4	1	1	+	0	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16 172					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	3	24
50<80	+	+	+	+	+	2
35<50	+	0	+	+	+	1
20<35	+	+	1	1	3	3
10<20	+	1	1	2	8	5
6<10	1	1	1	3	8	5
3<6	1	2	2	3	5	2
1.5<3	+	+	+	+	+	+
0<1.5	4	1	+	+	+	+

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3077					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	4	46
50<80	0	0	+	+	1	4
35<50	+	0	0	0	+	1
20<35	+	+	+	1	3	5
10<20	+	+	1	2	9	6
6<10	+	1	+	1	3	1
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	+	0
0<1.5	3	+	+	+	+	0

Cape Parry

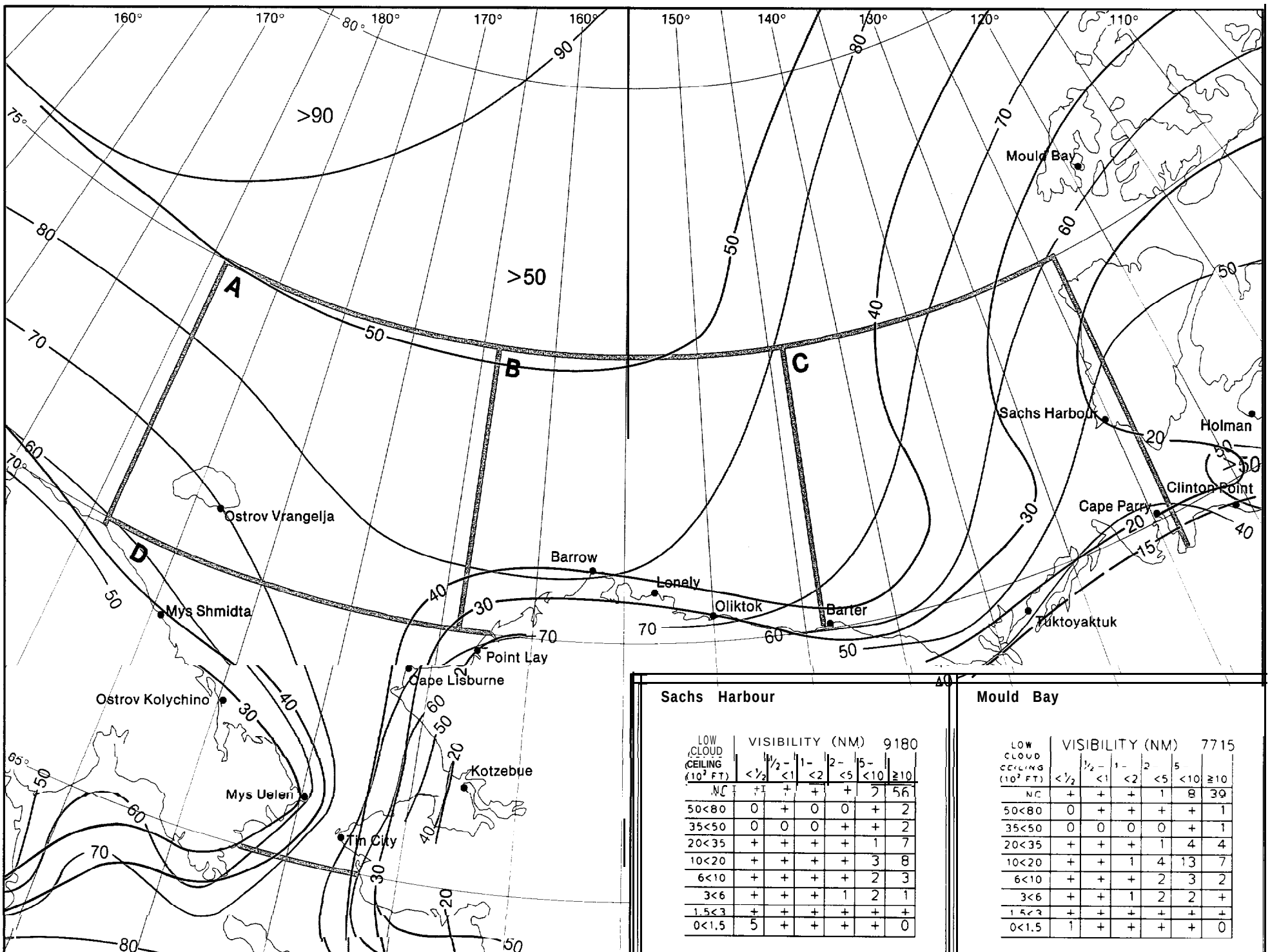
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16661					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	1	7	45
50<80	+	+	+	+	+	1
35<50	0	+	+	+	+	1
20<35	+	+	+	+	1	2
10<20	+	+	1	2	6	6
6<10	+	+	+	1	4	3
3<6	+	1	1	2	3	1
1.5<3	+	1	+	+	+	+
0<1.5	2	1	+	+	+	+

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3851					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	4	48
50<80	+	+	+	+	1	3
35<50	+	+	+	+	+	2
20<35	+	+	+	1	4	6
10<20	1	1	1	2	5	6
6<10	1	+	1	1	2	2
3<6	1	+	+	1	2	+
1.5<3	0	+	+	+	+	+
0<1.5	1	+	+	+	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2939					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	3	45
50<80	+	+	+	+	1	3
35<50	+	+	0	+	+	2
20<35	+	+	+	1	3	7
10<20	1	1	1	2	7	7
6<10	+	+	+	1	1	1
3<6	+	+	+	+	1	+
1.5<3	+	+	0	+	+	+
0<1.5	5	+	+	+	+	+



Sachs Harbour

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	9180
NC	+	+	+	+	2	56	
50<80	0	+	0	0	+	2	
35<50	0	0	0	+	+	2	
20<35	+	+	+	+	1	7	
10<20	+	+	+	+	3	8	
6<10	+	+	+	+	2	3	
3<6	+	+	+	1	2	1	
1.5<3	+	+	+	+	+	+	
0<1.5	5	+	+	+	+	0	

Mould Bay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	7715
NC	+	+	+	1	8	39	
50<80	0	+	+	+	+	1	
35<50	0	0	0	0	+	1	
20<35	+	+	+	1	4	4	
10<20	+	+	1	4	13	7	
6<10	+	+	+	2	3	2	
3<6	+	+	1	2	2	+	
1.5<3	+	+	+	+	+	+	
0<1.5	1	+	+	+	+	0	

Marine Area A

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	90
NC	1	0	0	1	2	33	
50<80	0	1	0	1	1	1	
35<50	0	0	0	0	0	1	
20<35	0	0	0	1	2	4	
10<20	0	0	1	4	2	4	
6<10	0	0	1	0	10	1	
3<6	0	1	1	1	3	1	
1.5<3	0	1	0	0	0	0	
0<1.5	13	0	0	2	0	0	

Marine Area B

No Data Avoiloble

Marine Area C

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	401
NC	1	1	+	1	3	60	
50<80	0	0	0	0	0	12	
35<50	0	0	0	0	1	2	
20<35	0	0	0	+	3	3	
10<20	0	0	+	+	2	2	
6<10	0	0	0	+	1	+	
3<6	+	+	+	+	1	+	
1.5<3	0	0	0	+	+	0	
0<1.5	1	0	0	0	+	0	

Marine Area D

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	470
NC	1	0	+	1	7	35	
50<80	+	0	0	+	+	1	
35<50	0	0	0	0	1	3	
20<35	+	0	0	+	4	4	
10<20	+	0	0	1	7	4	
6<10	+	0	+	2	4	1	
3<6	+	+	+	1	1	+	
1.5<3	+	0	0	+	+	1	
0<1.5	12	2	1	+	1	0	

Ostrov Vrangelja

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 4217					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	2	40
50<80	+	0	0	0	+	1
35<50	0	0	0	+	+	2
20<35	0	+	+	+	+	6
10<20	+	+	+	2	2	9
6<10	+	+	1	3	2	5
3<6	+	1	1	3	1	1
1.5<3	+	+	+	+	+	+
0<1.5	13	+	+	+	0	+

Mys Shmidta

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 4489					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	2	2	43
50<80	+	+	0	+	0	1
35<50	+	0	+	+	+	2
20<35	+	+	+	+	1	4
10<20	0	+	+	1	1	3
6<10	+	+	+	1	1	3
3<6	+	2	2	4	3	4
1.5<3	+	1	1	1	1	+
0<1.5	11	+	+	+	+	+

Ostrov Kolychino

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 2581					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	2	2	46
50<80	+	0	0	+	+	1
35<50	+	0	0	0	+	1
20<35	0	+	+	1	1	11
10<20	0	0	+	1	2	7
6<10	+	+	+	+	1	2
3<6	+	0	+	1	1	1
1.5<3	0	0	+	+	+	+
0<1.5	14	+	+	+	0	+

Mys Uelen

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 4484					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	+	+	1	4	41
50<80	0	0	0	+	+	+
35<50	+	0	0	+	+	1
20<35	+	0	0	+	1	6
10<20	+	+	+	3	6	10
6<10	+	+	1	2	2	3
3<6	+	+	1	2	2	1
1.5<3	+	+	+	+	+	+
0<1.5	9	+	+	+	+	+

Tin City

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 4758					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	2	18
50<80	0	0	0	+	+	1
35<50	+	+	+	+	+	2
20<35	+	+	+	+	1	3
10<20	+	+	0	+	2	3
6<10	+	+	+	2	3	3
3<6	+	1	1	6	4	2
1.5<3	+	+	1	1	1	+
0<1.5	30	3	2	1	+	+

Kotzebue

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 15385					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	1	54
50<80	0	+	+	+	+	4
35<50	0	+	0	+	+	3
20<35	0	0	+	+	1	6
10<20	0	+	+	+		210
6<10	0	+	+	1	2	6
3<6	+	+	+	1	2	2
1.5<3	+	+	+	+	+	+
0<1.5	1	+	+	+	+	+

Cape Lisburne

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 4459					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	1	7	27
50<80	+	+	+	+	1	3
35<50	0	0	+	0	1	2
20<35	+	+	+	+	3	6
10<20	+	+	+	1	9	7
6<10	+	+	1	2	9	3
3<6	+	+	1	1	2	+
1.5<3	0	+	+	+	+	+
0<1.5	4	2	1	+	+	0

Point Lay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 3025					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	6	29
50<80	0	0	+	+	1	3
35<50	0	0	0	+	+	1
20<35	0	+	+	+	4	9
10<20	+	1	1	3	13	14
6<10	+	+	1	1	3	1
3<6	+	+	+	1	1	+
1.5<3	+	0	+	+	+	+
0<1.5	3	1	+	+	+	+

Barrow

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 15590					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	24	13
50<80	+	+	+	+	3	1
35<50	+	+	+	+	3	1
20<35	+	+	+	+	4	1
10<20	+	+	+	1	5	1
6<10	+	+	1	2	8	1
3<6	1	2	2	4	9	+
1.5<3	1	1	+	1	+	+
0<1.5	6	1	+	+	+	0

Lonely

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 3094					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	21	17
50<80	+	+	0	+	2	2
35<50	+	0	0	+	1	1
20<35	+	+	0	+	6	4
10<20	+	+	+	1	11	5
6<10	1	+	+	1	4	1
3<6	1	1	+	1	2	+
1.5<3	+	+	+	+	1	0
0<1.5	8	1	+	+	+	0

Oliktok

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 3057					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	17	23
50<80	0	+	+	0	2	2
35<50	0	+	0	+	1	1
20<35	+	+	+	+	5	6
10<20	+	+	+	2	13	4
6<10	+	+	1	1	3	+
3<6	+	+	+	1	2	+
1.5<3	+	0	0	+	+	0
0<1.5	7	2	1	1	+	0

Barter

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 16563					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	4	44
50<80	+	+	+	+	1	4
35<50	+	+	+	+	1	2
20<35	+	+	+	+	2	3
10<20	+	+	+	1	2	2
6<10	+	+	+	1	3	2
3<6	1	1	1	2	4	2
1.5<3	1	+	+	+	+	+
0<1.5	10	1	+	+	+	+

Tuktoyaktuk

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 2967					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	2	60
50<80	0	0	0	0	+	4
35<50	0	+	0	0	+	2
20<35	0	+	+	+	1	5
10<20	+	+	+	1	4	7
6<10	+	+	+	1	2	3
3<6	+	+	1	1	2	1
1.5<3	+	+	+	+	+	+
0<1.5	1	+	+	+	+	0

Cape Parry

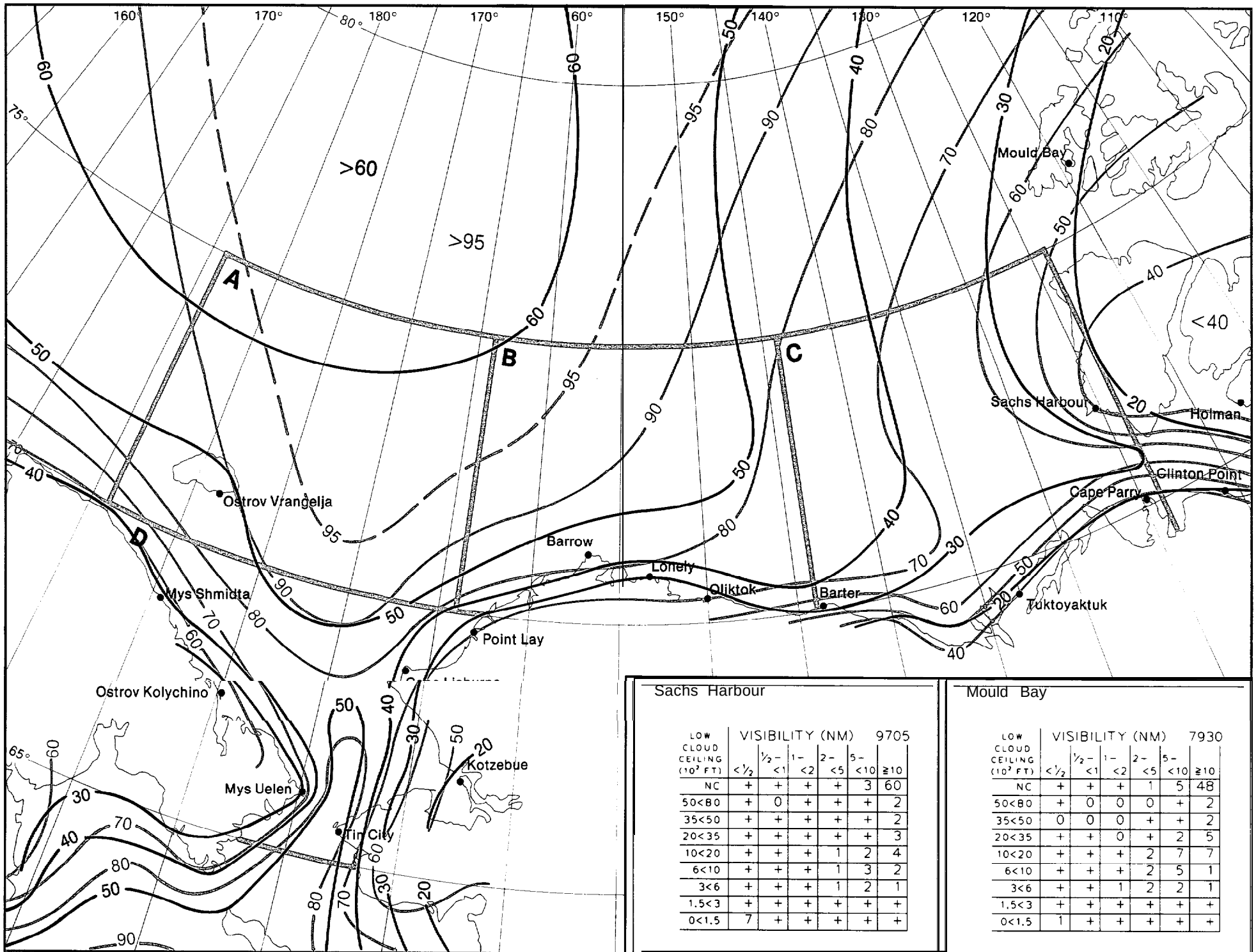
LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 1690 1					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	1	6	65
50<80	+	0	+	+	+	2
35<50	+	+	0	+	+	2
20<35	+	+	+	+	+	2
10<20	+	+	+	+	1	2
6<10	+	+	+	+	1	1
3<6	+	1	1	1	2	1
1.5<3	+	1	1	1	+	+
0<1.5	4	1	+	+	+	+

Clinton Point

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 3740					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	2	67
50<80	0	+	+	+	+	2
35<50	+	+	0	0	+	2
20<35	+	+	+	+	1	7
10<20	+	+	+	1	2	3
6<10	+	+	+	+	1	1
3<6	1	1	+	1	2	1
1.5<3	+	+	0	+	+	0
0<1.5	1	+	+	+	+	0

Holman

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) 2905					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	+	3	61
50<80	+	0	+	0	+	4
35<50	+	+	0	+	+	2
20<35	+	+	+	+	2	9
10<20	+	+	+	1	3	5
6<10	+	+	+	1	1	1
3<6	+	+	+	1	+	+
1.5<3	0	0	0	+	+	0
0<1.5	4	+	+	+	+	0



Sachs Harbour

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	9705
NC	+	+	+	+	3	60	
50<80	+	0	+	+	+	2	
35<50	+	+	+	+	+	2	
20<35	+	+	+	+	+	3	
10<20	+	+	+	1	2	4	
6<10	+	+	+	1	3	2	
3<6	+	+	+	1	2	1	
1.5<3	+	+	+	+	+	+	
0<1.5	7	+	+	+	+	+	

Mould Bay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	7930
NC	+	+	+	1	5	48	
50<80	+	0	0	0	+	2	
35<50	0	0	0	+	+	2	
20<35	+	+	0	+	2	5	
10<20	+	+	+	2	7	7	
6<10	+	+	+	2	5	1	
3<6	+	+	1	2	2	1	
1.5<3	+	+	+	+	+	+	
0<1.5	1	+	+	+	+	+	

Marine Area A

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	340
NC	2	1	1	2	21	12	
50<80	0	0	+	0	2	2	
35<50	0	0	0	+	1	2	
20<35	+	0	1	1	4	4	
10<20	0	0	+	2	2	5	
6<10	1	1	+	1	2	1	
3<6	1	1	1	2	2	+	
1.5<3	0	1	+	0	+	0	
0<1.5	18	2	2	+	0	0	

Marine Area B

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	2761
NC	4	2	1	2	15	25	
50<80	1	+	+	+	2	1	
35<50	+	0	+	+	1	1	
20<35	0	+	+	+	3	2	
10<20	+	+	+	1	5	2	
6<10	+	+	+	1	3	1	
3<6	+	+	1	1	2	+	
1.5<3	1	1	+	1	+	+	
0<1.5	14	2	1	1	+	0	

Marine Area C

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	2670
NC	2	+	+	1	10	46	
50<80	+	0	+	0	1	4	
35<50	+	0	0	+	1	2	
20<35	+	0	0	+	2	3	
10<20	+	0	+	1	3	4	
6<10	0	+	+	1	2	3	
3<6	+	+	+	1	2	1	
1.5<3	+	+	+	+	1	+	
0<1.5	5	+	+	+	+	+	

Marine Area D

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	232 1
NC	1	+	+	1	7	26	
50<80	+	+	0	+	1	2	
35<50	+	0	0	+	1	2	
20<35	+	+	+	1	3	6	
10<20	1	+	1	1	6	5	
6<10	+	+	1	1	5	3	
3<6	+	+	+	1	1	2	
1.5<3	+	+	+	+	1	+	
0<1.5	14	2	1	1	+	+	

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4238					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	2	28
50<80	0	0	0	+	+	1
35<50	0	0	0	+	+	2
20<35	0	+	+	1	1	10
10<20	+	+	1	3	3	11
6<10	+	+	1	3	2	4
3<6	+	+	1	31	1	1
1.5<3	0	+	0	+	0	+
0<1.5	15	+	0	+	+	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4537					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	1	1	2	2	33
50<80	+	0	+	+	+	1
35<50	0	+	+	+	+	2
20<35	0	+	+	+	1	4
10<20	+	1	1	1	2	5
6<10	+	1	1	2	2	2
3<6	+	3	3	4	3	3
1.5<3	+	2	1	1	+	+
0<1.5	11	+	+	0	0	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2543					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	4	30
50<80	0	0	+	+	1	2
35<50	0	0	0	+	+	1
20<35	+	+	+	1	4	8
10<20	+	+	+	3	5	7
6<10	0	+	1	2	3	1
3<6	+	+	1	2	1	1
1.5<3	0	+	+	+	+	+
0<1.5	19	+	+	0	+	0

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4518					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	2	+	+	1	4	30
50<80	0	+	0	+	+	+
35<50	0	0	+	+	+	1
20<35	+	+	0	1	1	7
10<20	+	+	+	3	7	13
6<10	+	+	1	3	3	3
3<6	0	+	1	3	2	1
1.5<3	+	+	+	+	+	+
0<1.5	11	+	+	+	+	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4673					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	+	2	17
50<80	0	0	+	+	+	1
35<50	+	0	+	+	+	1
20<35	+	+	+	+	3	7
10<20	0	0	+	1	4	7
6<10	+	0	+	4	5	3
3<6	+	1	3	5	5	2
1.5<3	+	1	1	1	+	+
0<1.5	20	2	2	1	+	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15575					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	+	+	+	+	2	41
50<80	0	0	0	+	+	4
35<50	+	0	+	+	+	4
20<35	0	+	+	+	1	10
10<20	+	+	+	1	4	15
6<10	0	+	+	1	3	6
3<6	+	+	+	1	1	2
1.5<3	+	+	+	+	+	+
0<1.5	+	+	+	+	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 465					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	+	+	+	+	3	18
50<80	0	0	0	+	+	2
35<50	0	+	+	+	+	1
20<35	+	+	+	+	4	7
10<20	+	1	1	4	13	13
6<10	+	1	1	3	10	3
3<6	+	+	1	2	3	+
1.5<3	0	+	0	+	+	0
0<1.5	2	1	1	+	0	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3289					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	0	+	5	21
50<80	+	+	+	+	1	2
35<50	0	+	0	+	+	1
20<35	+	+	+	+	5	8
10<20	+	1	1	3	16	15
6<10	+	+	1	2	4	2
3<6	+	1	1	1	2	1
1.5<3	0	0	+	+	+	0
0<1.5	2	1	+	+	0	+

Barrow

LOW CLOUD CEILING (10' FT)	VISIBILITY (NM) 15794					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	15	7
50<80	+	+	+	+	1	1
35<50	+	0	+	+	2	+
20<35	+	+	+	+	4	1
10<20	+	+	+	1	10	2
6<10	+	1	1	3	13	1
3<6	1	2	2	5	11	1
1.5<3	+	+	+	1	1	0
0<1.5	7	1	+	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3336					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	11	11
50<80	+	+	0	0	2	2
35<50	0	0	0	+	1	1
20<35	0	+	+	+	6	4
10<20	+	+	1	2	16	7
6<10	+	+	+	2	7	1
3<6	1	1	1	21	5	+
1.5<3	+	+	+	+	1	+
0<1.5	11	1	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3301					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	11	13
50<80	+	0	0	+	2	1
35<50	0	0	0	+	1	1
20<35	+	+	+	+	7	5
10<20	+	+	+	2	18	5
6<10	+	+	1	2	5	1
3<6	+	1	1	2	3	+
1.5<3	+	+	+	+	+	+
0<1.5	10	3	1	1	+	+

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16325					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	1	+	1	5	29
50<80	+	+	+	+	1	4
35<50	+	+	+	+	1	2
20<35	+	+	+	+	2	2
10<20	+	+	+	1	4	2
6<10	+	+	1	1	5	2
3<6	2	2	2	3	5	2
1.5<3	1	+	+	+	+	+
0<1.5	14	2	+	+	+	+

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2955					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	+	+	+	+	1	46
50<80	+	+	+	0	+	4
35<50	0	0	0	0	+	2
20<35	0	0	0	+	2	7
10<20	+	+	+	1	6	11
6<10	+	+	+	1	3	4
3<6	+	+	1	1	2	1
1.5<3	0	+	+	+	+	+
0<1.5	2	1	+	+	+	0

Cape Parry

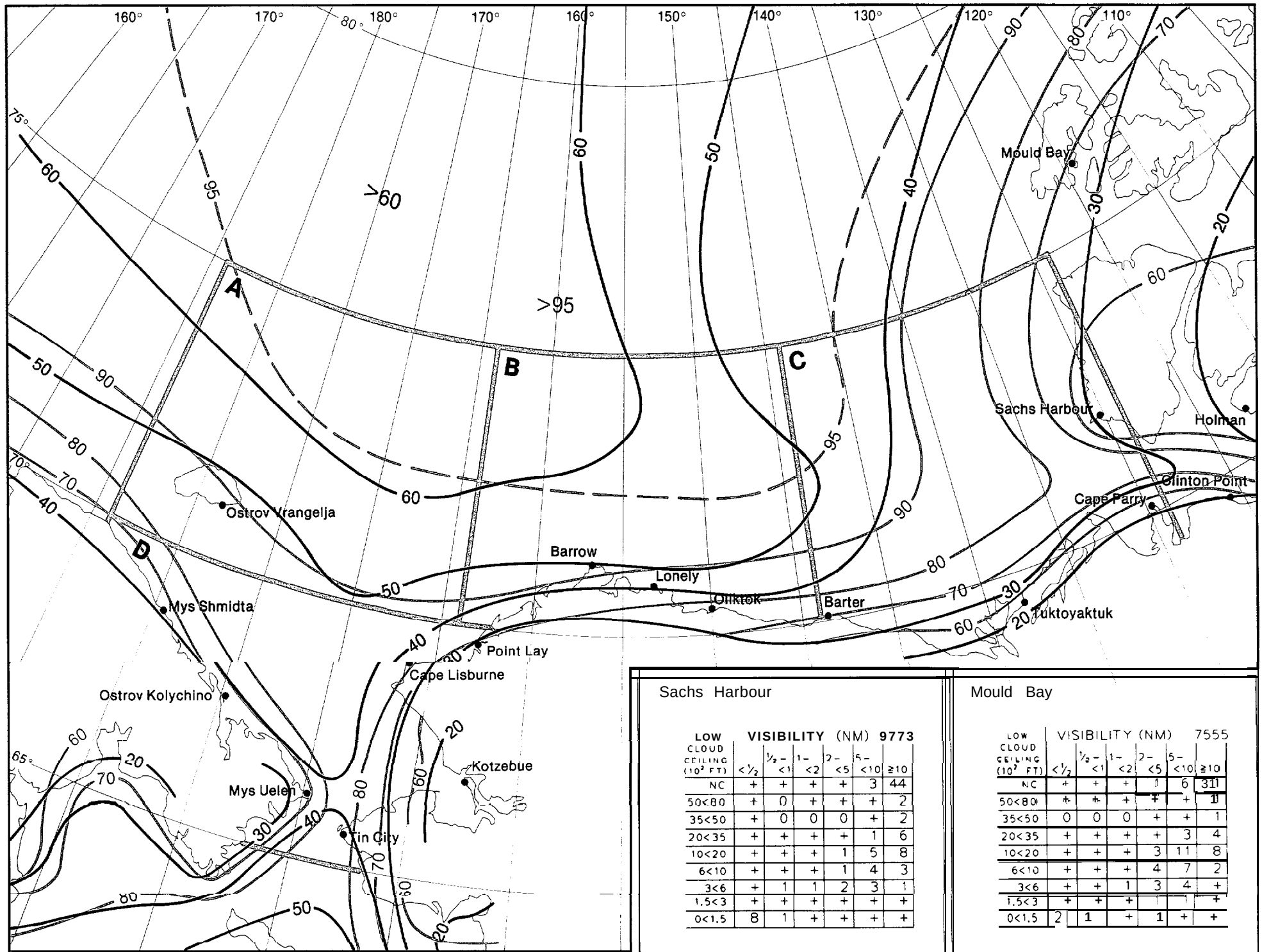
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16104					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	1	8	48
50<80	+	+	+	+	+	1
35150	+	+	0	+	+	1
20<35	+	+	+	+	1	4
10<20	+	+	+	+	3	7
6<10	+	+	+	11	3	3
3<6	+	1	1	21	31	1
1.5<3	+	1	1	11	+	+
0<1.5	4	1	+	+	+	+

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3777					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	+	+	+	1	3	52
50<80	+	+	+	+	+	2
35<50	0	0	+	+	+	3
20<35	+	0	+	+	1	9
10<20	+	+	+	2	5	10
6<10	+	+	+	1	2	2
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	+	+
0<1.5	1	+	+	+	+	+

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2868					
	<½	½–<1	1–<2	2–<5	5–<10	≧10
NC	1	+	+	+	3	47
50<80	+	+	0	+	1	3
35<50	0	0	0	0	+	2
20<35	+	+	0	+	2	10
10<20	+	+	+	1	6	9
6<10	+	+	+	1	1	1
3<6	+	+	+	1	1	+
1.5<3	+	+	0	+	+	0
0<1.5	6	+	+	+	+	0



Sachs Harbour

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	9773
NC	+	+	+	+	3	44	
50<80	+	0	+	+	+	2	
35<50	+	0	0	0	+	2	
20<35	+	+	+	+	1	6	
10<20	+	+	+	1	5	8	
6<10	+	+	+	1	4	3	
3<6	+	1	1	2	3	1	
1.5<3	+	+	+	+	+	+	
0<1.5	8	1	+	+	+	+	

Mould Bay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	7555
NC	+	+	+	1	6	311	
50<80	+	+	+	+	+	1	
35<50	0	0	0	+	+	1	
20<35	+	+	+	+	3	4	
10<20	+	+	+	3	11	8	
6<10	+	+	+	4	7	2	
3<6	+	+	1	3	4	+	
1.5<3	+	+	+	1	1	+	
0<1.5	2	1	+	1	+	+	

Marine Area A

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	524
NC	1	+	1	1	6	18	
50<80	0	+	0	+	1	1	
35<50	0	0	0	+	1	2	
20<35	+	+	+	1	3	7	
10<20	+	+	1	2	6	7	
6<10	1	0	1	2	4	2	
3<6	+	1	1	1	2	1	
1.5<3	0	+	1	1	1	+	
0<1.5	16	2	1	1	1	+	

Marine Area B

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	4090
NC	2	1	1	1	10	14	
50<80	+	0	+	+	1	1	
35<50	+	+	+	+	1	1	
20<35	+	+	+	+	6	4	
10<20	+	+	1	3	11	5	
6<10	+	+	1	3	7	2	
3<6	+	+	+	1	2	1	
1.5<3	+	+	+	+	1	+	
0<1.5	10	3	1	1	+	+	

Marine Area C

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	5720
NC	2	1	1	1	9	29	
50<80	+	+	+	+	1	3	
35<50	+	0	0	+	1	1	
20<35	+	+	+	+	3	5	
10<20	+	+	+	1	7	6	
6<10	+	+	+	1	3	2	
3<6	+	+	1	1	3	2	
1.5<3	+	+	+	1	1	+	
0<1.5	7	1	1	+	+	+	

Marine Area D

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≧10	1949
NC	1	+	+	1	6	23	
50<80	+	0	+	+	+	1	
35<50	+	0	+	+	1	2	
20<35	0	+	+	1	4	7	
10<20	+	+	+	2	7	111	
6<10	0	+	+	1	4	5	
3<6	+	+	+	1	2	2	
1.5<3	+	0	+	+	+	+	
0<1.5	9	2	1	1	+	+	

Ostrov Vrangalja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4048					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	2	2	24
50<80	0	0	+	+	+	1
35<50	0	0	+	+	+	3
20<35	+	+	+	2	2	15
10<20	+	1	1	7	6	13
6<10	+	+	1	3	2	3
3<6	+	+	+	2	1	+
1.5<3	0	0	0	+	+	+
0<1.5	6	+	0	+	+	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4299					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	1	3	27
50<80	0	0	0	+	+	1
35<50	0	+	+	+	+	3
20<35	+	+	1	1	2	6
10<20	1	1	2	2	3	8
6<10	+	1	1	2	2	3
3<6	1	4	3	4	3	3
1.5<3	+	1	1	+	+	+
0<1.5	5	+	+	+	0	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2424					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	9	15
50<80	0	+	+	+	1	1
35<50	0	0	0	+	+	1
20<35	+	0	+	1	8	10
10<20	+	+	1	4	11	11
6<10	+	+	1	2	3	2
3<6	0	+	+	2	1	+
1.5<3	+	0	0	+	+	+
0<1.5	12	+	+	+	+	+

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4331					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	2	26
50<80	0	0	0	0	0	+
35<50	0	0	0	+	+	1
20<35	+	+	+	1	2	15
10<20	+	+	1	5	7	15
6<10	0	+	1	3	3	2
3<6	+	+	1	2	2	1
1.5<3	0	+	+	+	+	+
0<1.5	7	+	+	+	+	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4364					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	3	17
50<80	+	+	0	0	+	1
35<50	+	+	0	+	1	2
20<35	+	+	+	1	4	12
10<20	+	+	+	2	7	9
6<10	0	+	1	4	7	4
3<6	+	+	2	4	3	2
1.5<3	+	+	1	1	+	+
0<1.5	8	1	2	+	+	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15249					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	2	50
50<80	+	0	0	+	+	5
35<50	+	0	+	+	1	5
20<35	+	+	+	+	2	10
10<20	+	+	+	1	4	11
6<10	0	+	+	1	3	2
3<6	+	+	+	1	1	1
1.5<3	+	+	+	+	+	+
0<1.5	+	+	+	+	+	0

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4634					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	5	12
50<80	0	0	0	+	1	1
35<50	+	0	0	+	1	3
20<35	0	+	+	1	11	12
10<20	+	+	+	3	18	9
6<10	0	1	1	3	8	2
3<6	0	+	+	1	1	+
1.5<3	0	0	+	+	0	0
0<1.5	1	1	1	1	+	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3234					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	7	18
50<80	0	0	+	+	1	1
35<50	0	0	0	0	1	1
20<35	+	+	0	+	5	5
10<20	+	1	1	4	22	14
6<10	+	+	1	2	5	2
3<6	+	1	1	1	2	1
1.5<3	+	0	0	+	+	0
0<1.5	2	+	+	+	0	0

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15300					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	10	5
50<80	+	0	0	+	1	+
35<50	+	+	+	+	1	+
20<35	+	+	+	+	6	1
10<20	+	+	1	2	19	2
6<10	+	1	1	4	11	1
3<6	+	1	2	5	8	+
1.5<3	+	+	+	+	+	0
0<1.5	4	1	1	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3264					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	+	9	7
50<80	+	+	+	+	1	+
35<50	+	0	+	0	1	+
20<35	+	+	0	+	6	3
10<20	+	+	1	2	24	9
6<10	+	1	1	2	10	1
3<6	1	1	1	2	5	+
1.5<3	+	+	+	+	1	0
0<1.5	6	1	+	+	+	+

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3240					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	10	8
50<80	0	+	+	+	2	1
35<50	0	0	0	0	1	+
20<35	+	+	+	+	8	4
10<20	+	+	1	3	24	7
6<10	+	1	1	2	6	+
3<6	+	1	1	1	2	+
1.5<3	+	+	+	+	+	0
0<1.5	7	3	1	1	+	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15663					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	4	24
50<80	+	+	+	+	1	2
35<50	+	+	+	+	1	1
20<35	+	+	+	+	3	4
10<20	+	1	1	2	9	6
6<10	+	1	1	2	5	2
3<6	1	2	2	2	4	1
1.5<3	1	+	+	+	+	+
0<1.5	10	2	1	+	0	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2824					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	2	36
50<80	0	0	+	0	1	3
35<50	0	0	0	0	+	2
20<35	+	0	+	+	3	8
10<20	+	+	1	1	10	12
6<10	+	+	+	1	5	3
3<6	+	+	+	1	3	1
1.5<3	0	+	+	+	+	0
0<1.5	3	1	+	+	0	0

Cape Parry

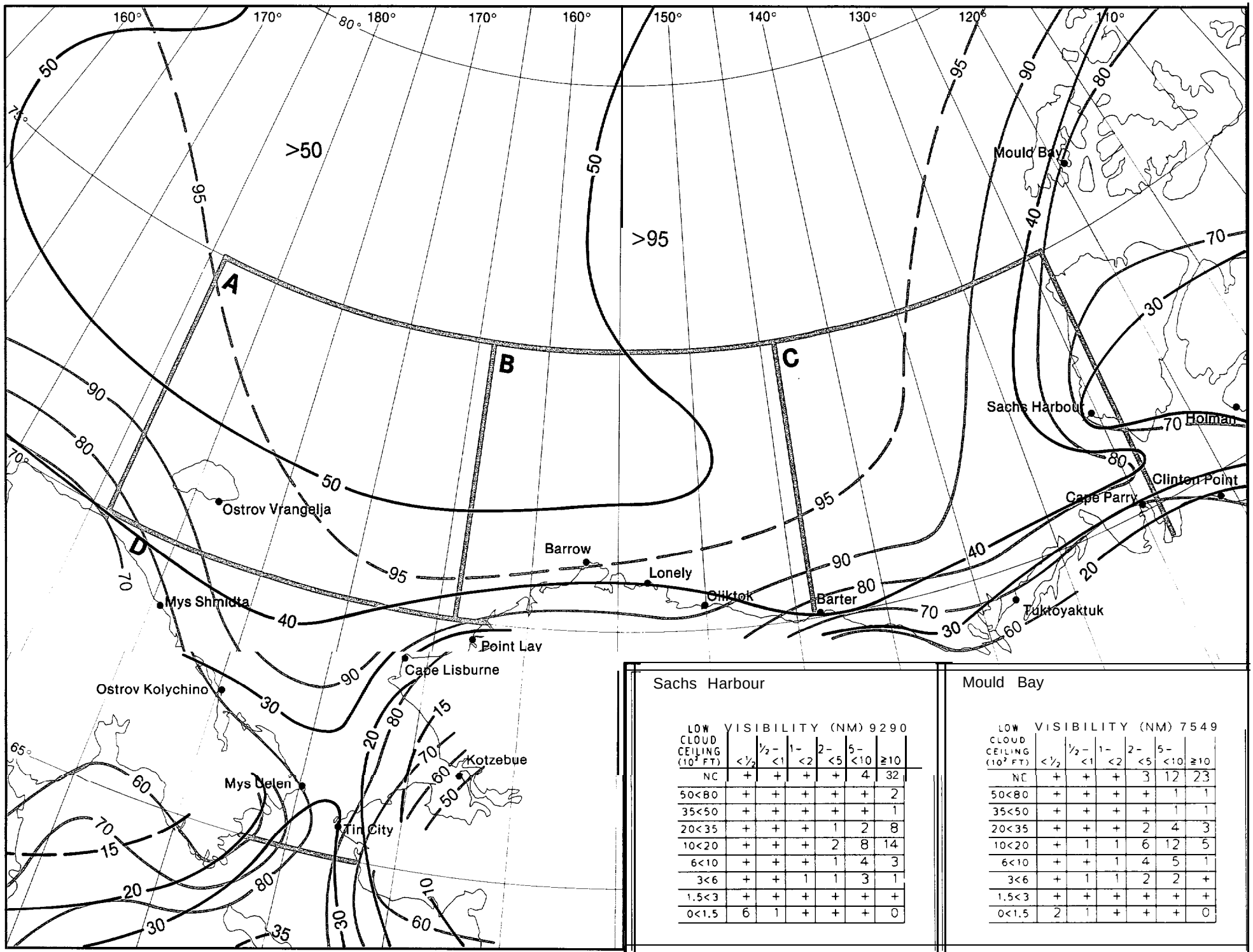
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14984					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	8	35
50<80	+	+	0	+	+	1
35<50	+	+	+	+	+	1
20<35	+	+	+	+	2	6
10<20	+	+	+	1	6	10
6<10	+	+	+	1	4	3
3<6	+	1	1	2	3	1
1.5<3	+	1	+	1	+	+
0<1.5	3	1	+	+	+	0

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3663					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	2	38
50<80	+	+	+	+	+	2
35<50	+	0	0	+	1	2
20<35	+	+	+	1	2	16
10<20	1	+	+	1	6	12
6<10	+	1	+	1	3	2
3<6	+	1	+	1	1	1
1.5<3	+	+	0	+	+	0
0<1.5	1	+	+	+	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2814					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	3	33
50<80	+	0	0	+	1	3
35<50	+	+	+	0	1	3
20<35	+	+	+	1	3	14
10<20	1	1	1	3	7	10
6<10	+	+	+	1	2	1
3<6	+	+	+	+	1	+
1.5<3	+	0	0	0	+	0
0<1.5	7	1	+	+	+	0



Sachs Harbour

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 9290					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	4	32
50<80	+	+	+	+	+	2
35<50	+	+	+	+	+	1
20<35	+	+	+	1	2	8
10<20	+	+	+	2	8	14
6<10	+	+	+	1	4	3
3<6	+	+	1	1	3	1
1.5<3	+	+	+	+	+	+
0<1.5	6	1	+	+	+	0

Mould Bay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 7549					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	3	12	23
50<80	+	+	+	+	1	1
35<50	+	+	+	+	1	1
20<35	+	+	+	2	4	3
10<20	+	1	1	6	12	5
6<10	+	+	1	4	5	1
3<6	+	1	1	2	2	+
1.5<3	+	+	+	+	+	+
0<1.5	2	1	+	+	+	0

Marine Area A

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 585					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	+	1	3	10
50<80	0	0	0	0	0	+
35<50	0	0	0	0	+	1
20<35	+	+	0	1	10	9
10<20	0	0	1	4	7	11
6<10	1	1	1	2	9	4
3<6	+	+	0	1	4	3
1.5<3	0	0	+	1	2	1
0<1.5	7	1	1	1	1	+

Marine Area B

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2215					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	1	10	8
50<80	+	+	0	0	1	+
35<50	0	0	+	+	1	1
20<35	+	+	+	1	9	3
10<20	+	+	1	3	17	6
6<10	+	1	1	3	7	2
3<6	+	+	1	1	2	1
1.5<3	+	+	+	+	+	0
0<1.5	8	3	2	1	1	+

Marine Area C

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 5040					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	1	9	23
50<80	+	+	+	+	1	2
35<50	+	+	+	+	1	1
20<35	+	+	+	1	4	4
10<20	+	+	+	2	10	6
6<10	+	+	+	1	5	2
3<6	+	1	1	2	5	1
1.5<3	+	+	+	1	1	+
0<1.5	6	1	1	1	+	+

Marine Area D

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 1822					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	0	+	6	18
50<80	0	0	0	+	1	1
35<50	+	0	+	+	1	2
20<35	0	+	+	1	8	11
10<20	+	+	+	1	11	12
6<10	+	+	+	1	5	4
3<6	+	+	+	1	2	1
1.5<3	0	0	+	+	1	+
0<1.5	4	2	1	1	1	+

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4241					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	2	5	4	31
50<80	+	+	+	+	+	1
35<50	+	+	+	1	1	3
20<35	+	+	1	5	4	13
10<20	+	1	2	6	3	6
6<10	+	+	+	1	1	1
3<6	+	0	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	1	0	0	+	+	0

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4553					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	1	3	6	30
50<80	0	+	+	+	+	1
35<50	+	+	+	+	1	3
20<35	1	1	1	3	4	7
10<20	2	3	3	5	3	5
6<10	1	1	1	1	1	1
3<6	+	1	+	1	1	1
1.5<3	+	+	0	+	0	+
0<1.5	1	+	+	+	0	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 27 15					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	3	14	13
50<80	0	0	+	1	1	1
35<50	0	0	+	+	1	1
20<35	+	0	1	3	11	8
10<20	1	1	5	8	11	6
6<10	0	+	1	1	1	1
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	2	+	+	+	+	+

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 45 15					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	2	21
50<80	0	0	0	+	+	+
35<50	0	0	+	+	+	2
20<35	+	+	1	3	4	20
10<20	+	1	4	11	8	14
6<10	+	+	1	1	1	1
3<6	0	+	+	+	1	+
1.5<3	0	+	0	+	0	0
0<1.5	1	0	0	0	0	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4455					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	4	16
50<80	+	0	0	+	+	1
35<50	0	0	+	+	1	3
20<35	+	+	1	3	12	13
10<20	+	+	2	4	8	5
6(10	+	+	1	3	4	1
3<6	+	+	1	1	1	+
1.5<3	0	+	+	+	+	0
0<1.5	7	1	2	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15696					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	3	51
50<80	0	+	+	+	+	4
35<50	+	0	+	+	1	5
20<35	+	+	+	1	3	9
10<20	+	+	1	2	4	5
6<10	+	+	+	1	2	1
3<6	+	+	+	+	1	+
1.5<3	0	+	+	+	+	0
0<1.5	1	1	1	1	+	+

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4512					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	7	13
50<80	0	0	+	0	1	1
35<50	0	+	+	+	2	2
20<35	+	+	+	2	17	10
10<20	1	1	2	5	18	5
6<10	+	+	+	1	3	1
3<6	+	0	+	+	+	+
1.5<3	0	0	0	+	+	0
0<1.5	1	1	1	1	+	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3179					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	1	12	19
50<80	0	+	+	+	2	1
35<50	0	0	0	+	1	+
20<35	+	+	+	1	6	4
10<20	1	1	1	5	22	7
6<10	+	1	1	2	4	1
3<6	+	1	+	+	1	0
1.5<3	+	0	+	0	0	0
0<1.5	2	+	+	+	0	+

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15462					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	2	16	7
50<80	+	+	+	+	1	1
35<50	+	+	+	+	1	+
20<35	+	+	+	1	7	2
10<20	+	1	2	61191		1
6<10	1	1	1	4	11	+
3<6	1	1	1	2	3	+
1.5<3	+	+	+	+	+	+
0<1.5	2	1	+	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3342					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	15	11
50<80	0	+	+	+	2	1
35<50	+	0	+	+	1	+
20<35	+	+	+	1	5	2
10<20	+	1	1	4	24	5
6<10	1	1	1	3	7	+
3<6	1	1	1	1	3	+
1.5<3	+	0	+	+	+	0
0<1.5	2	1	+	+	+	+

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3346					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	+	1	16	11
50<80	+	+	+	+	2	1
35<50	0	+	+	+	1	+
20<35	+	+	+	1	8	2
10<20	1	2	2	6	24	4
6<10	+	1	1	3	4	+
3<6	+	1	1	1	1	+
1.5<3	0	0	0	+	+	0
0<1.5	2	1	+	+	0	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15954					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	1	2	7	22
50<80	+	+	+	+	1	2
35<50	+	+	+	+	1	1
20<35	+	+	1	2	5	3
10<20	1	2	2	6	12	4
6<10	+	1	1	3	5	1
3<6	+	1	1	1	1	+
1.5<3	+	+	+	+	+	0
0<1.5	4	2	1	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2953					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	+	6	29
50<80	0	0	+	+	1	2
35<50	0	0	+	+	1	1
20<35	+	+	+	1	5	8
10<20	+	1	1	4	13	11
6<10	+	+	1	1	4	2
3<6	+	+	+	1	1	+
1.5<3	+	0	+	+	+	+
0<1.5	1	1	1	+	+	0

Cape Parry

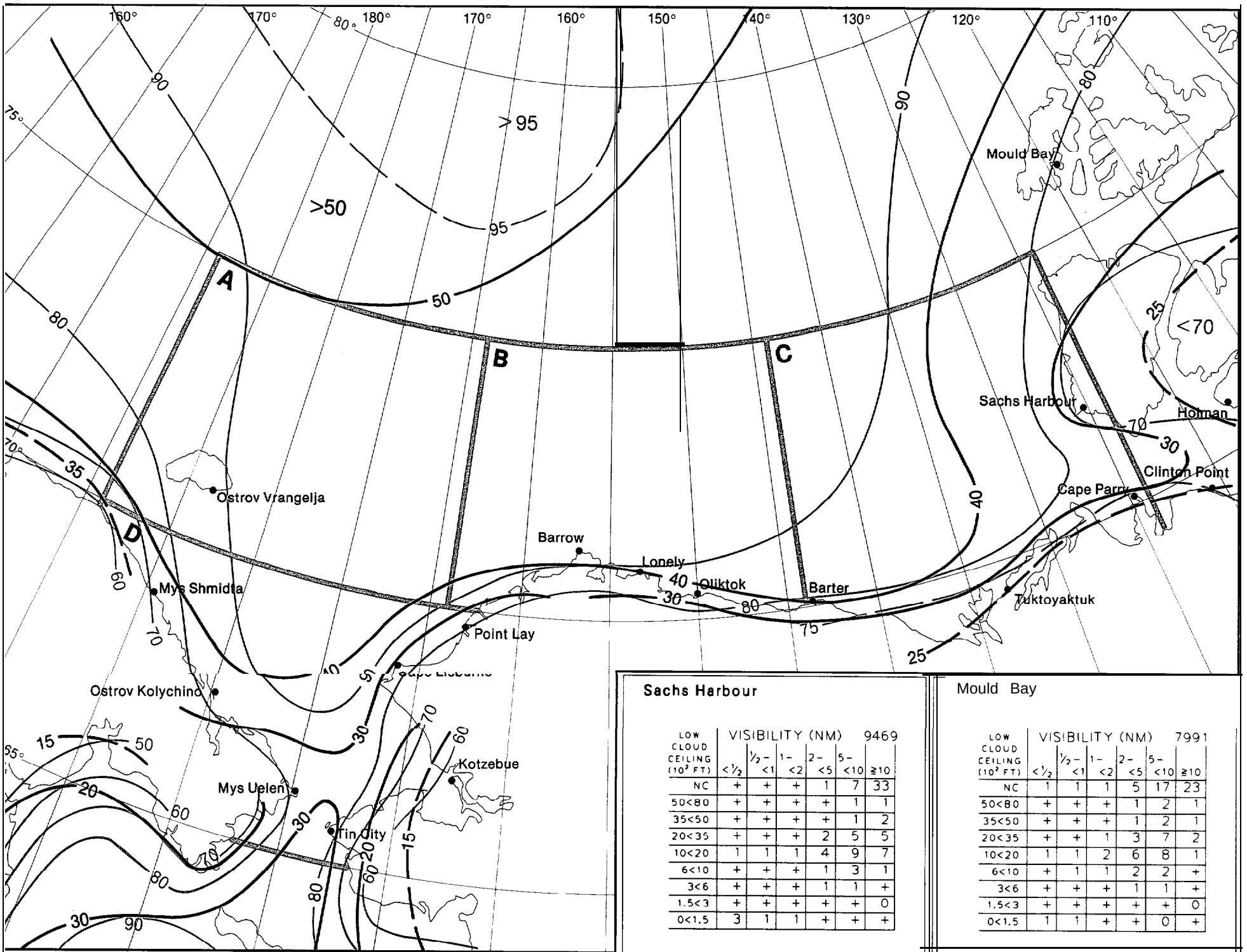
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 16199					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	2	9	25
50<80	+	+	+	+	1	1
35<50	+	+	+	+	1	1
20<35	+	+	+	2	5	5
10<20	1	2	1	4	11	10
6<10	+	1	1	2	4	2
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	+	+
0<1.5	1	1	+	+	+	0

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3754					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	3	28
50<80	+	+	0	+	1	2
35<50	+	+	+	+	1	3
20<35	1	+	+	1	6	13
10<20	2	1	1	3	9	12
6<10	1	+	+	1	2	2
3<6	+	+	+	1	1	+
1.5<3	+	+	+	+	0	0
0<1.5	+	+	+	0	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3012					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	3	34
50<80	+	+	+	+	1	4
35<50	+	+	+	+	1	3
20<35	+	+	+	1	5	10
10<20	1	1	1	4	10	7
6<10	+	1	1	1	1	1
3<6	+	+	+	+	+	+
1.5<3	+	+	+	0	0	0
0<1.5	3	+	+	+	+	+



Sachs Harbour

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	9469
NC	+	+	+	1	7	33	
50<80	+	+	+	+	1	1	
35<50	+	+	+	+	1	2	
20<35	+	+	+	2	5	5	
10<20	1	1	1	4	9	7	
6<10	+	+	+	1	3	1	
3<6	+	+	+	1	1	+	
1.5<3	+	+	+	+	+	0	
0<1.5	3	1	1	+	+	+	

Mould Bay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	7991
NC	1	1	1	5	17	23	
50<80	+	+	+	1	2	1	
35<50	+	+	+	1	2	1	
20<35	+	+	1	3	7	2	
10<20	1	1	2	6	8	1	
6<10	+	1	1	2	2	+	
3<6	+	+	+	1	1	+	
1.5<3	+	+	+	+	+	0	
0<1.5	1	1	+	+	0	+	

Marine Area A

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	178
NC	8	1	1	1	18	11	
50<80	0	0	1	1	3	0	
35<50	0	0	0	0	0	1	
20<35	0	0	1	3	5	2	
10<20	1	1	1	2	4	3	
6<10	1	1	0	1	3	4	
3<6	0	0	0	0	1	1	
1.5<3	0	0	0	1	0	1	
0<1.5	12	6	0	1	1	0	

Marine Area B

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	810
NC	1	+	1	2	21	17	
50<80	0	0	+	+	2	1	
35<50	0	+	+	+	2	+	
20<35	+	+	+	2	9	3	
10<20	+	+	2	4	8	3	
6<10	+	1	1	2	4	2	
3<6	0	+	1	+	1	+	
1.5<3	0	0	+	0	+	+	
0<1.5	4	2	1	1	1	0	

Marine Area C

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	2463
NC	1	1	1	1	12	18	
50<80	0	0	0	+	1	1	
35<50	0	0	0	+	1	+	
20<35	0	0	+	1	3	3	
10<20	+	+	1	3	9	10	
6<10	+	+	1	2	5	3	
3<6	+	1	1	3	6	2	
1.5<3	+	+	+	1	1	1	
0<1.5	2	1	1	1	1	+	

Marine Area D

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	696
NC	0	0	+	+	9	17	
50<80	+	0	0	+	+	1	
35<50	0	0	+	+	1	1	
20<35	0	+	2	2	9	6	
10<20	1	1	1	2	8	9	
6<10	+	+	1	2	4	4	
3<6	0	0	+	1	2	+	
1.5<3	0	0	+	+	+	+	
0<1.5	2	1	3	3	3	1	

Ostrov Vrsngelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 41 16					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	3	4	9	6	34
50<80	+	+	+	+	+	+
35<50	+	+	+	1	+	1
20<35	1	1	2	4	3	4
10<20	1	1	2	6	2	4
6<10	+	+	+	1	1	1
3<6	0	0	+	+	+	+
1.5<3	+	0	0	0	0	0
0<1.5	1	+	+	+	0	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4341					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	6	4	3	6	8	29
50<80	+	+	+	+	+	+
35<50	+	+	+	1	1	1
20<35	1	1	1	3	3	2
10<20	4	3	3	5	3	2
6<10	1	1	1	1	+	+
3<6	+	1	1	+	+	+
1.5<3	+	+	+	+	+	0
0<1.5	2	+	0	0	+	+

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2577					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	5	30	15
50<80	+	+	1	2	2	+
35<50	0	+	0	+	1	+
20<35	+	+	1	3	9	4
10<20	+	1	4	4	7	2
6<10	+	+	+	1	1	+
3<6	+	0	0	+	+	0
1.5<3	0	0	0	0	+	0
0<1.5	1	+	+	0	+	0

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4324					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	1	2	2	28
50<80	0	0	+	+	+	+
35<50	0	+	+	+	+	1
20<35	+	+	2	3	3	10
10<20	1	2	6	12	7	12
6<10	+	+	1	2	1	+
3<6	0	+	+	1	+	+
1.5<3	0	0	0	0	+	+
0<1.5	+	0	+	0	+	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4091					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	1	2	11	17
50<80	0	+	+	+	1	1
35<50	+	0	+	+	2	1
20<35	1	1	3	5	10	4
10<20	+	1	2	5	6	3
6<10	+	+	+	2	1	+
3<6	+	+	+	1	+	+
1.5<3	+	+	0	+	+	0
0<1.5	7	2	1	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15455					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	5	48
50<80	+	+	+	+	1	3
35<50	+	+	+	+	2	4
20<35	+	+	1	2	5	7
10<20	+	+	1	2	4	3
6<10	+	+	+	+	1	1
3<6	0	+	+	+	+	+
1.5<3	0	0	0	0	0	+
0<1.5	2	1	1	1	+	0

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4138					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	+	1	13	17
50<80	0	0	0	+	1	1
35<50	0	+	+	+	1	+
20<35	+	+	+	2	11	4
10<20	+	1	2	6	21	3
6<10	+	+	+	1	3	+
3<6	+	0	0	+	+	+
1.5<3	0	0	0	0	+	0
0<1.5	2	2	1	1	+	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3232					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	3	1	1	3	23	18
50<80	+	+	+	+	2	1
35<50	+I	+I	+I	+I	1	+
20<35	+	+	+	1	5	2
10<20	2	2	1	4	15	4
6<10	+	+	+	+	2	+
3<6	+	+	+	+	+	0
1.5<3	+	0	0	0	+	0
0<1.5	3	+	+	+	+	0

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14740					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	4	28	9
50<80	+	+	+	1	2	+
35<50	+	+	+	+	1	+
20<35	+	+	+	2	6	1
10<20	2	1	2	5	11	+
6<10	+	1	1	2	6	+
3<6	+	+	+	1	2	+
1.5<3	+	+	+	+	+	+
0<1.5	2	+	+	+	+	+

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3235					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	3	32	15
50<80	+	+	+	+	2	+
35<50	+	+	0	+	1	+
20<35	+	+	+	1	5	1
10<20	1	1	2	3	13	3
6<10	1	1	+	1	2	+
3<6	1	+	+	1	1	+
1.5<3	+	+	+	+	+	0
0<1.5	2	1	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3219					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	1	3	29	16
50<80	0	+	+	+	2	1
35<50	0	+	+	+	1	+
20<35	+	+	+	1	5	1
10<20	1	1	2	5	14	2
6<10	+	1	1	1	1	+
3<6	+	+	+	+	+	+
1.5<3	+	0	0	+	+	0
0<1.5	2	+	+	+	0	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15158					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	1	2	2	14	26
50<80	+	+	+	+	2	1
35<50	+	+	+	+	1	1
20<35	+	+	1	1	5	1
10<20	1	2	2	5	10	2
6<10	1	1	1	1	4	1
3<6	+	+	+	+	+	+
1.5<3	+	0	+	0	+	+
0<1.5	4	1	+	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2956					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	10	48
50<80	0	+	+	+	2	2
35<50	0	+	+	+	1	1
20<35	+	+	1	1	5	3
10<20	+	+	1	3	8	3
6<10	+	+	1	1	2	+
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	1	+	+	+	0	0

Cape Parry

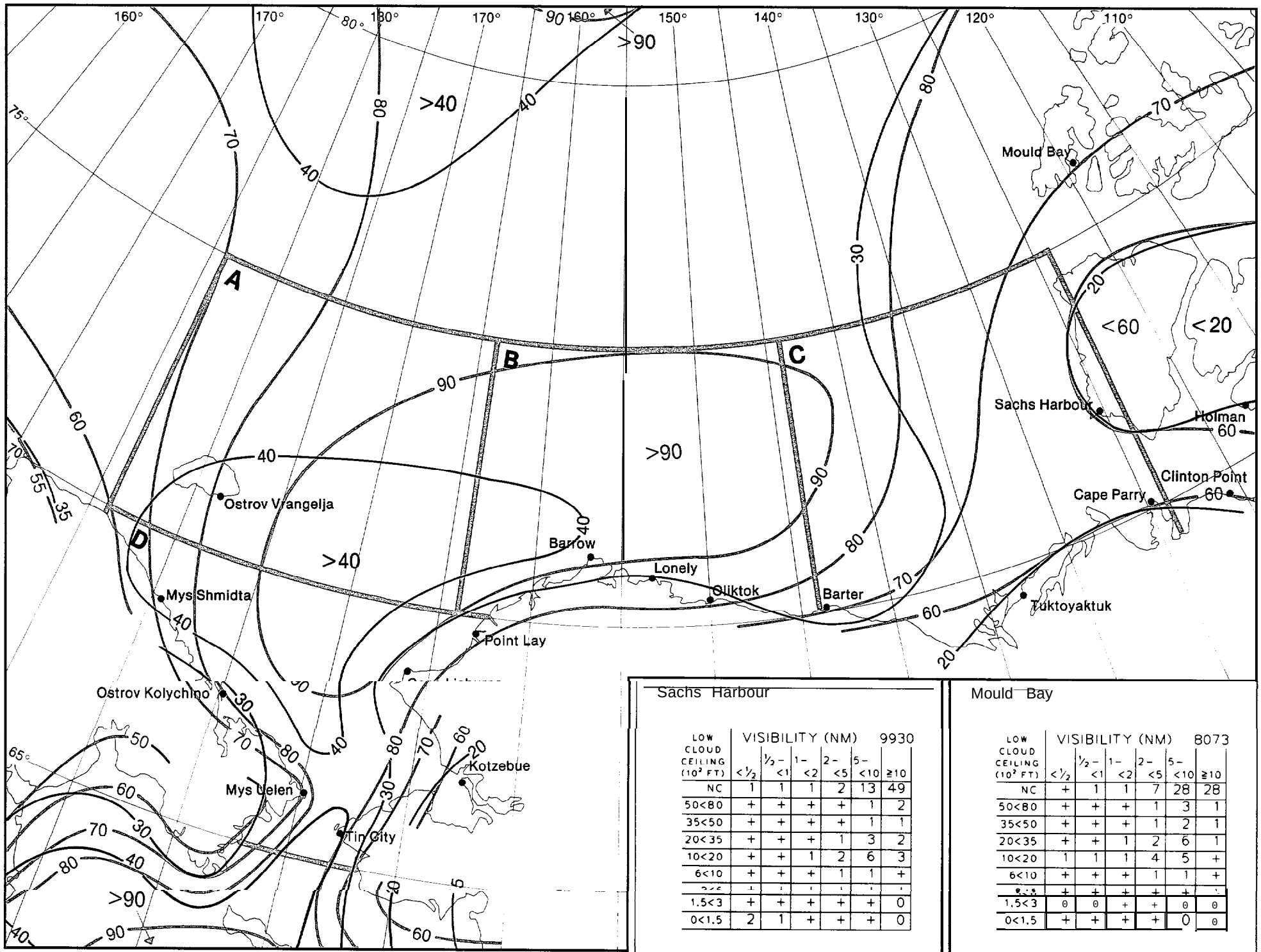
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 17038					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	4	20	38
50<80	+	+	+	+	1	1
35<50	+	+	+	+	1	+
20<35	+	+	1	1	3	1
10<20	1	1	1	3	7	2
6<10	+	+	1	1	2	1
3<6	+	+	+	+	1	+
1.5<3	+	+	+	+	+	0
0<1.5	1	1	+	+	+	0

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3757					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	1	7	45
50<80	+	+	+	+	1	2
35<50	+	+	+	+	1	1
20<35	1	+	+	1	4	4
10<20	2	2	1	3	8	6
6<10	1	+	1	1	2	1
3<6	+	+	+	+	1	+
1.5<3	0	0	0	+	0	+
0<1.5	1	+	0	+	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2897					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	7	46
50<80	+	0	+	+	1	3
35<50	+	+	+	+	1	1
20<35	1	+	+	1	4	5
10<20	1	1	1	4	8	2
6<10	+	+	1	1	1	+
3<6	+	+	+	+	+	+
1.5<3	0	0	+	+	+	0
0<1.5	2	+	+	+	0	0



Sachs Harbour

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	9930
NC	1	1	1	2	13	49	
50<80	+	+	+	+	1	2	
35<50	+	+	+	+	1	1	
20<35	+	+	+	1	3	2	
10<20	+	+	1	2	6	3	
6<10	+	+	+	1	1	+	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1.5<3	+	+	+	+	+	0	
0<1.5	2	1	+	+	+	0	

Mould Bay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	8073
NC	+	1	1	7	28	28	
50<80	+	+	+	1	3	1	
35<50	+	+	+	1	2	1	
20<35	+	+	1	2	6	1	
10<20	1	1	1	4	5	+	
6<10	+	+	+	1	1	+	
[illegible]	+	+	+	+	+	[illegible]	
1.5<3	0	0	+	+	0	0	
0<1.5	+	+	+	+	0	0	

Marine Area A

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	15
NC	0	0	0	0	33	20	
50<80	0	0	0	0	0	0	
35<50	0	0	0	0	0	0	
20<35	0	0	0	0	0	7	
10<20	0	0	0	7	13	7	
6<10	0	0	0	0	7	0	
3<6	0	0	0	0	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	0	0	0	0	7	0	

Marine Area B

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	435
NC	1	+	1	8	54	6	
50<80	+	+	1	3	8	+	
35<50	0	0	0	+	1	0	
20<35	0	0	0	+	4	+	
10<20	0	+	+	+	2	+	
6<10	0	0	0	1	1	+	
3<6	0	0	0	+	+	0	
1.5<3	0	0	0	+	0	0	
0<1.5	4	1	+	1	0	0	

Marine Area C

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	1292
NC	1	1	1	2	16	51	
50<80	0	0	+	+	2	2	
35<50	0	0	+	+	+	1	
20<35	0	+	+	+	3	2	
10<20	0	+	+	1	4	2	
6<10	0	+	+	+	1	+	
3<6	0	+	+	+	1	1	
1.5<3	0	0	+	+	+	+	
0<1.5	1	1	1	+	+	+	

Marine Area D

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	86
NC	0	0	0	1	17	9	
50<80	0	0	0	0	0	0	
35<50	0	0	0	0	0	0	
20<35	0	0	0	0	3	5	
10<20	0	1	0	3	10	7	
6<10	1	0	0	6	12	1	
3<6	0	0	0	0	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	2	0	5	8	1	6	

Ostrov Vrangelja

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4170					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	2	2	4	11	9	50
50<80	0	+	+	+	+	+
35<50	+	+	+	+	+	1
20<35	+	+	1	3	2	2
10<20	+	1	1	3	1	2
6<10	+	+	+	1	+	+
3<6	+	0	+	+	+	+
1.5<3	0	+	+	0	0	0
0<1.5	1	+	+	0	0	+

Mys Shmidta

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4420					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	5	5	5	7	15	39
50<80	+	+	+	+	+	+
35<50	+	+	+	1	1	1
20<35	1	1	1	2	1	1
10<20	2	1	2	2	1	1
6<10	+	+	+	1	+	+
3<6	+	+	+	+	+	+
1.5<3	+	+	+	+	0	+
0<1.5	1	+	0	0	+	0

Ostrov Kolychino

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2566					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	4	47	22
50<80	0	+	2	3	3	+
35<50	0	0	0	+	+	+
20<35	+	+	+	1	3	2
10<20	0	+	1	2	2	1
6<10	0	+	0	+	+	+
3<6	+	0	0	+	+	+
1.5<3	0	0	0	0	0	+
0<1.5	1	+	1	+	0	0

Mys Uelen

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4445					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	2	5	6	50
50<80	0	+	+	+	+	+
35<50	0	+	+	+	+	1
20<35	+	+	1	2	2	4
10<20	1	1	3	8	4	5
6<10	+	+	+	1	+	1
3<6	+	+	+	+	+	+
1.5<3	0	+	0	+	+	0
0<1.5	+	+	0	0	+	+

Tin City

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4007					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	5	5	5	8	17	14
50<80	+	+	0	+	+	+
35<50	1	+	+	+	1	+
20<35	3	1	1	2	5	1
10<20	2	2	2	3	3	+
6<10	1	1	2	1	1	+
3<6	+	+	+	1	+	+
1.5<3	+	0	+	+	0	0
0<1.5	9	1	+	+	0	0

Kotzebue

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 15507					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	1	2	9	53
50<80	+	+	+	+	1	3
35<50	+	+	+	+	2	2
20<35	+	+	+	1	4	3
10<20	+	+	1	2	4	2
6<10	+	+	+	1	1	+
3<6	+	+	+	+	+	+
1.5<3	0	0	+	+	+	+
0<1.5	3	1	1	1	+	0

Cape Lisburne

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4227					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	2	17	30
50<80	0	+	+	+	1	1
35<50	+	+	+	+	1	+
20<35	+	+	1	2	8	4
10<20	+	1	1	4	13	3
6<10	0	+	+	1	2	+
3<6	0	+	0	+	+	0
1.5<3	0	0	0	0	0	0
0<1.5	1	1	+	+	+	0

Point Lay

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3352					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	4	3	2	3	33	20
50<80	+	+	0	+	1	1
35<50	+	+	+	+	+	+
20<35	+	+	+	1	3	1
10<20	2	1	1	3	10	2
6<10	+	1	+	+	1	+
3<6	+	+	+	+	+	0
1.5<3	0	0	0	0	0	0
0<1.5	3	1	+	+	+	0

Barrow

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 14692					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	2	5	38	13
50<80	+	+	+	1	3	+
35<50	0	+	+	+	2	+
20<35	+	+	1	2	6	+
10<20	+	1	1	2	7	+
6<10	+	+	1	1	3	+
3<6	+	+	+	+	1	+
1.5<3	+	+	+	+	+	0
0<1.5	2	1	+	+	+	0

Lonely

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3395					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	1	3	43	18
50<80	+	+	+	+	3	1
35<50	+	+	+	+	1	+
20<35	+	+	+	1	4	1
10<20	1	1	1	2	10	1
6<10	+	+	+	1	1	+
3<6	+	+	+	+	+	+
1.5<3	+	+	0	+	0	0
0<1.5	1	+	+	+	+	0

Oliktok

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 3336					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	2	2	3	38	19
50<80	0	+	+	+	2	+
35<50	+	+	+	+	1	+
20<35	+	+	+	1	4	2
10<20	1	1	1	3	10	1
6<10	+	+	+	+	1	0
3<6	+	+	+	+	+	0
1.5<3	+	0	0	0	0	0
0<1.5	2	1	+	+	+	0

Barter

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 1521 1					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	31	21	2	41	20	130
50<80	+	+	+	1	4	2
35<50	+	+	+	1	1	1
20<35	1	1	1	2	4	1
10<20	1	1	1	3	5	1
6<10	+	+	+	1	1	+
3<6	+	+	+	+	+	+
1.5<3	0	+	+	0	+	0
0<1.5	4	1	+	+	+	0

Tuktoyaktuk

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM 3023					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	+	+	2	14	50
50<80	+	+	+	+	3	2
35<50	+	0	+	+	1	1
20<35	+	+	+	1	5	3
10<20	1	1	1	2	5	2
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	+
1.5<3	0	0	+	0	0	0
0<1.5	2	+	1	+	0	0

Cape Parry

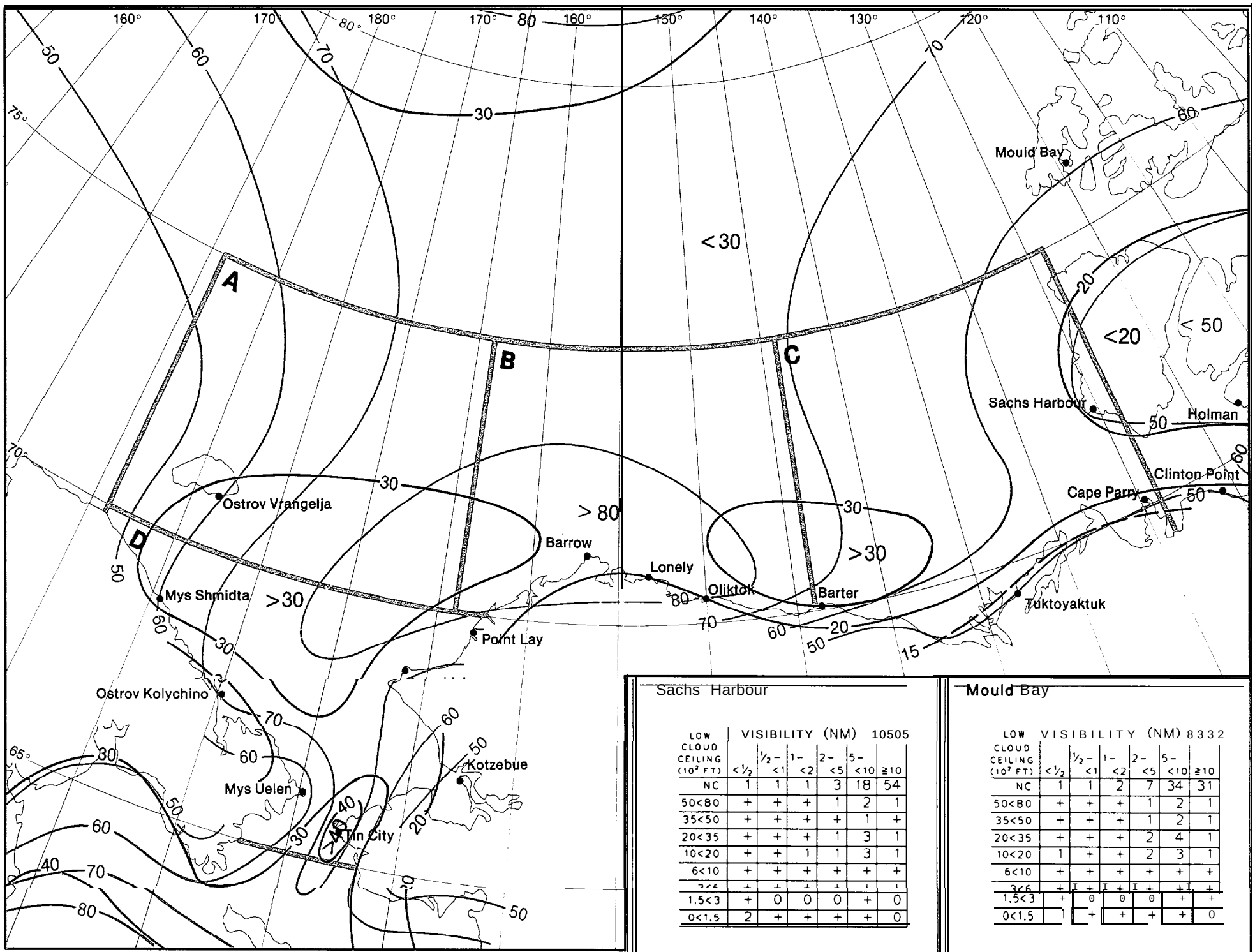
LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 18124					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	1	2	6	27	40
50<80	+	+	+	1	1	1
35<50	+	+	+	1	1	1
20<35	+	+	1	1	3	1
10<20	+	1	1	1	3	1
6<10	+	+	+	+	1	+
3<6	+	+	+	+	+	+
1.5<3	0	+	+	+	+	0
0<1.5	1	+	+	+	+	0

Clinton Point

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 4026					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	+	1	+	1	11	59
50<80	+	+	+	+	2	2
35<50	+	+	+	+	1	2
20<35	+	1	+	1	4	3
10<20	1	1	1	1	2	1
6<10	+	+	+	+	+	+
3<6	+	+	+	+	0	0
1.5<3	0	0	0	+	0	+
0<1.5	1	+	0	+	0	0

Holman

LOW CLOUD CEILING (10² FT)	VISIBILITY (NM) 2934					
	<½	½–<1	1–<2	2–<5	5–<10	≥10
NC	1	+	+	1	8	55
50<80	+	+	+	+	2	3
35<50	+	+	+	+	1	1
20<35	1	+	1	1	5	4
10<20	1	1	1	3	5	1
6<10	+	+	+	+	+	0
3<6	+	+	+	+	+	+
1.5<3	0	0	0	0	0	0
0<1.5	2	+1	+1	+1	+1	+



Sachs Harbour

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	10505
NC	1	1	1	3	18	54	
50<80	+	+	+	1	2	1	
35<50	+	+	+	+	1	+	
20<35	+	+	+	1	3	1	
10<20	+	+	1	1	3	1	
6<10	+	+	+	+	+	+	
3<6	+	+	+	+	+	+	
1.5<3	+	0	0	0	+	0	
0<1.5	2	+	+	+	+	0	

Mould Bay

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	8332
NC	1	1	2	7	34	31	
50<80	+	+	+	1	2	1	
35<50	+	+	+	1	2	1	
20<35	+	+	+	2	4	1	
10<20	1	+	+	2	3	1	
6<10	+	+	+	+	+	+	
3<6	+	+	+	+	+	+	
1.5<3	+	0	0	0	+	+	
0<1.5	1	+	+	+	+	0	

Marine Area A

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	61
NC	2	0	0	2	11	56	
50<80	0	0	0	7	0	8	
35<50	0	0	0	0	0	0	
20<35	0	0	0	3	0	3	
10<20	0	0	0	7	0	0	
6<10	0	0	0	0	0	0	
3<6	0	0	0	0	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	0	0	2	0	0	0	

Marine Area B

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	57
NC	0	4	0	0	28	49	
50<80	0	0	0	0	2	2	
35<50	0	0	0	0	0	0	
20<35	0	0	0	2	0	2	
10<20	0	0	2	0	0	2	
6<10	0	0	2	2	0	0	
3<6	0	0	0	0	2	0	
1.5<3	0	0	0	0	0	0	
0<1.5	4	0	0	0	0	0	

Marine Area C

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	485
NC	1	+	1	5	19	60	
50<80	0	+	0	+	1	1	
35<50	0	0	+	0	+	+	
20<35	0	0	0	1	2	1	
10<20	0	+	0	1	2	1	
6<10	0	+	0	+	+	0	
3<6	+	0	+	1	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	0	0	0	0	0	0	

Marine Area D

LOW CLOUD CEILING (10^2 FT)	VISIBILITY (NM) < ½	½ – <1	1 – <2	2 – <5	5 – <10	≥10	14
NC	0	0	0	0	7	0	
50<80	0	0	0	0	7	0	
35<50	0	0	0	0	7	0	
20<35	0	0	0	0	29	21	
10<20	7	0	0	0	0	0	
6<10	0	0	0	0	0	0	
3<6	0	0	0	0	0	0	
1.5<3	0	0	0	0	0	0	
0<1.5	0	14	0	7	0	0	

Map 5. Visibility thresholds

TABLE – Percent frequency of visibility (nautical miles).

Albers Equal-Area Conic Projection

Graphs: Visibility thresholds

Percent frequency of visibility of various ranges for designated marine areas and **coastal** stations.

VISIBILITY (NM)	%
<.5	1.2
.5 <1	2.9
1 <2	1.2
2 <5	3.2
5 <10	30.7
≧10	60.8
N=	342

*(2.9% of the observed **visibilities were** <1 but ≧1/2 nautical mile. Other percentages can **be** similarly interpreted.)*

N = Observation count.

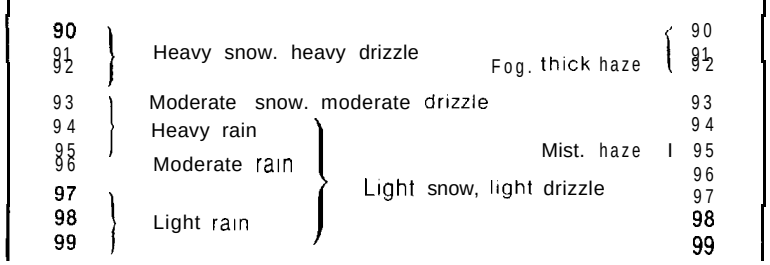
Nautical miles	.5	1	2	5	10
Kilometers	1	2	4	10	20

Visibility is a term that denotes the greatest distance from an observer that an object of known characteristics can be seen and identified with the unaided eye. When the visibility is not the same in all directions, the greatest distance common to one-half or more of the horizon circle is determined. Visibilities are difficult to measure at sea because of the lack of reference points. Climatically, many low visibility observations probably are missed because the observer is too busy with other duties (this is a form of fair weather bias). Also, some observers seem to report reduced visibilities at night because of darkness, though this tendency has abated in recent years. However, the coarseness of the visibility intervals (see code table) tends to minimize the problem, thereby permitting the summarized data to be relatively consistent. Visibilities greater than 25 nautical miles should be interpreted cautiously because the earth's curvature makes it impossible to see that distance horizontally from the bridge of most ships.

VISIBILITY (WMO Code, 1982)

Code figs.	Visibility (vv) in m/km	Visibility (vv) in yd./naut. mi.	Code figs.
90	less than 50 m	less than 55 yd.	90
91	50 but less than 200 m	55 but less than 220 yd.	91
92	200 but less than 500 m	220 but less than 550 yd.	92
93	500 but less than 1000 m	550 but less than ½ n. mi.	93
94	1 but less than 2 km	½ but less than 1 n. mi.	94
95	2 but less than 4 km	1 but less than 2 n. mi.	95
96	4 but less than 10 km	2 but less than 5 n. mi.	96
97	10 but less than 20 km	5 but less than 11 n. mi.	97
98	20 but less than 50 km	11 but less than 27 n. mi.	98
99	50 km or more	27 n. mi. or more	99

The visibility ranges corresponding to various weather types are as follows:



Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	5.1
.5 <1	4.3
1 <2	7.7
2 <5	19.2
5 <10	11.7
≧10	51.9
N=	4184

Mys Shmidta

VISIBILITY (NM)	%
<.5	10.1
.5 <1	9.4
1 <2	10.5
2 <5	15.7
5 <10	17.7
≧10	36.6
N=	4726

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	2.7
.5 <1	2.1
1 <2	8.0
2 <5	12.1
5 <10	50.5
≧10	24.6
N=	2935

Mys Uelen

VISIBILITY (NM)	%
<.5	2.6
.5 <1	2.9
1 <2	10.0
2 <5	20.2
5 <10	10.2
≧10	54.1
N=	4713

Tin City

VISIBILITY (NM)	%
<.5	12.8
.5 <1	8.0
1 <2	12.0
2 <5	16.9
5 <10	28.5
≧10	21.8
N=	19165

Kotzebue

VISIBILITY (NM)	%
<.5	4.6
.5 <1	3.5
1 <2	3.9
2 <5	8.6
5 <10	23.6
210	55.8
N=	22050

Cape Liaburne

VISIBILITY (NM)	%
<.5	2.8
.5 <1	5.3
1 <2	6.7
2 <5	13.8
5 <10	51.6
≧10	19.7
N=	18462

Point Lay

VISIBILITY (NM)	%
<.5	14.4
.5 <1	4.5
1 <2	4.3
2 <5	8.5
5 <10	44.6
≧10	23.8
N=	3337

Barrow

VISIBILITY (NM)	%
<.5	6.4
.5 <1	4.7
1 <2	4.9
2 <5	12.6
5 <10	59.3
≧10	12.2
N=	18798

Lonely

VISIBILITY (NM)	%
<.5	5.8
.5 <1	4.0
1 <2	4.1
2 <5	7.9
5 <10	56.3
≧10	22.0
N=	3476

Oliktok

VISIBILITY (NM)	%
<.5	10.0
.5 <1	5.1
1 <2	3.2
2 <5	8.8
5 <10	52.8
≧10	20.0
N=	3301

Barter

VISIBILITY (NM)	%
<.5	12.6
.5 <1	5.5
1 <2	4.9
2 <5	9.1
5 <10	30.7
≧10	37.1
N=	18317

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	5.2
.5 <1	3.5
1 <2	3.3
2 <5	6.0
5 <10	28.5
≧10	53.5
N=	3224

Cape Parry

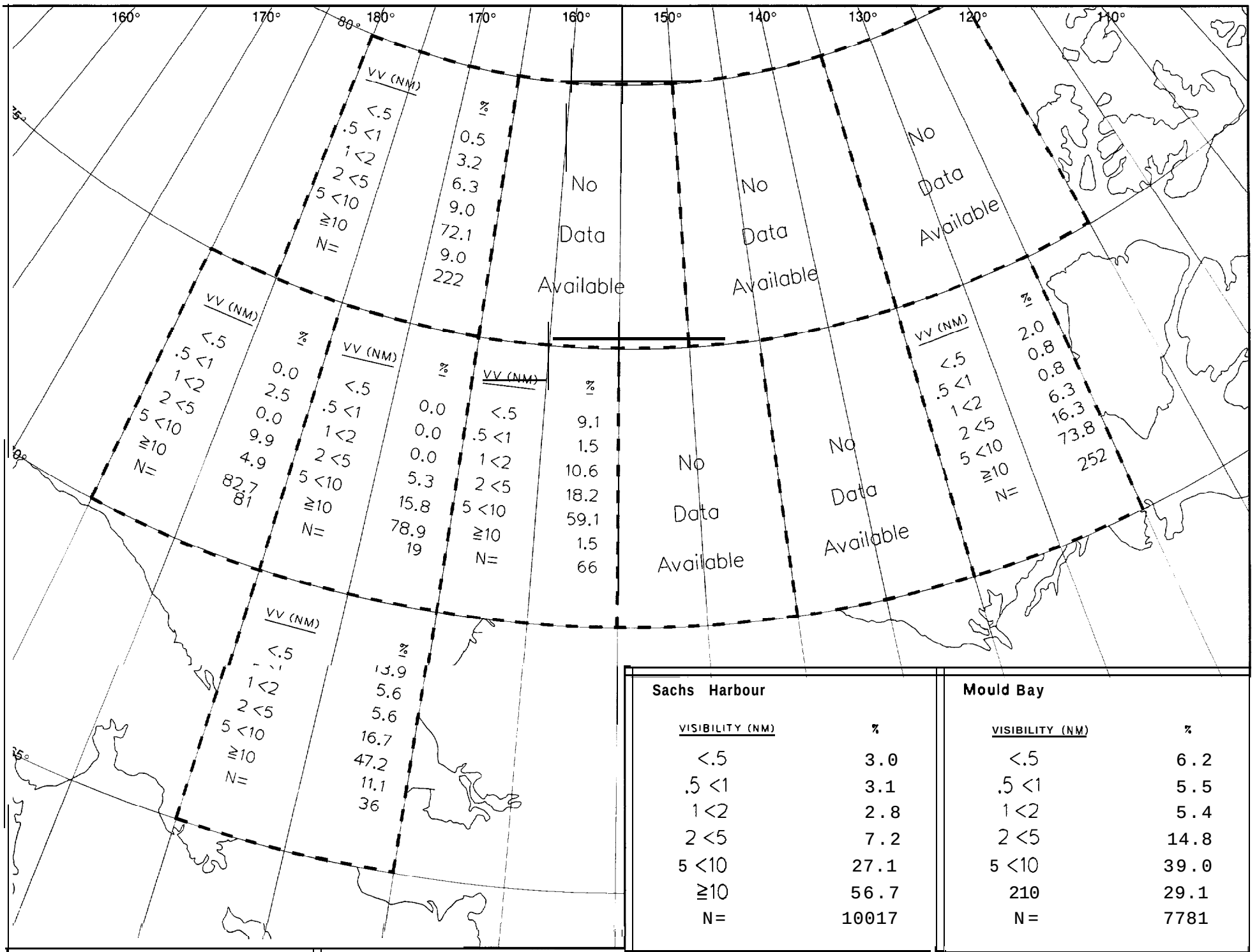
VISIBILITY (NM)	%
<.5	6.1
.5 <1	4.2
1 <2	4.9
2 <5	10.0
5 <10	33.4
≧10	41.4
N=	19836

Clinton Point

VISIBILITY (NM)	%
<.5	8.0
.5 <1	3.2
1 <2	1.5
2 <5	6.0
5 <10	18.5
≧10	62.9
N=	4628

Holman

VISIBILITY (NM)	%
<.5	12.4
.5 <1	2.9
1 <2	2.1
2 <5	5.1
5 <10	18.1
210	59.3
N=	3218



Sachs Harbour

VISIBILITY (NM)	%
<.5	3.0
.5 <1	3.1
1 <2	2.8
2 <5	7.2
5 <10	27.1
≧10	56.7
N=	10017

Mould Bay

VISIBILITY (NM)	%
<.5	6.2
.5 <1	5.5
1 <2	5.4
2 <5	14.8
5 <10	39.0
210	29.1
N=	7781

Marine Area A

VISIBILITY (NM)	%
<.5	0.0
.5 <1	1.9
1 <2	1.0
2 <5	9.7
5 <10	7.8
110	79.6
N=	103

Marine Area B

VISIBILITY (NM)	%
<.5	9.0
.5 <1	1.5
1 <2	9.0
2 <5	17.9
5 <10	59.7
≧10	3.0
N=	67

Marine Arra C

VISIBILITY (NM)	%
<.5	3.3
.5 <1	2.4
1 <2	2.1
2 <5	6.3
5 <10	19.1
110	66.9
N=	335

Marine Area D

VISIBILITY (NM)	%
<.5	12.8
.5 <1	5.1
1 <2	7.7
2 <5	15.4
5 <10	43.6
≧10	15.4
N=	39

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	5.2
.5 <1	3.2
1 <2	5.2
2 <5	13.4
5 <10	10.5
≧10	62.5
N=	4415

Mys Shmidta

VISIBILITY (NM)	%
<.5	9.6
.5 <1	8.8
1 <2	7.6
2 <5	11.4
5 <10	15.3
≧10	47.2
N=	4902

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	0.9
.5 <1	2.0
1 <2	5.2
2 <5	9.6
5 <10	41.6
210	40.8
N=	3056

Mys Uelen

VISIBILITY (NM)	%
<.5	1.5
.5 <1	1.3
1 <2	5.7
2 <5	20.5
5 <10	9.6
≧10	61.5
N=	4896

Tin City

VISIBILITY (NM)	%
<.5	11.8
.5 <1	8.5
1 <2	13.3
2 <5	17.0
5 <10	24.3
110	25.1
N=	19615

Kotzebue

VISIBILITY (NM)	%
<.5	3.2
.5 <1	2.7
1 <2	3.6
2 <5	a. I
5 <10	18.3
≧10	64.0
N=	21962

Cape Lisburne

VISIBILITY (NM)	%
<.5	1 .a
.5 <1	2.7
1 <2	5.2
2 <5	11.9
5 <10	42.7
≧10	35.8
N=	19207

Point Lay

VISIBILITY (NM)	%
<.5	15.6
.5 <1	4.9
1 <2	4.2
2 <5	8.2
5 <10	44.0
≧10	23.2
N=	3349

Barrow

VISIBILITY (NM)	%
<.5	3.3
.5 <1	2.7
1 <2	4.1
2 <5	11.7
5 <10	67.0
≧10	11.2
N=	18813

Lonely

VISIBILITY (NM)	%
<.5	5.0
.5 <1	3.8
1 <2	3.5
2 <5	8.2
5 <10	56.0
≧10	23.5
N=	3528

Oliktok

VISIBILITY (NM)	%
<.5	6.2
.5 <1	4.4
1 <2	4.3
2 <5	6.9
5 <10	56.2
≧10	22.0
N=	3373

Barter

VISIBILITY (NM)	%
<.5	7.9
.5 <1	5.1
1 <2	4.5
2 <5	8.8
5 <10	30.0
≧10	43.7
N=	18627

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	2.6
.5 <1	2.3
1 <2	2.8
2 <5	5.5
5 <10	23.0
≧10	63.8
N=	3218

Cape Parry

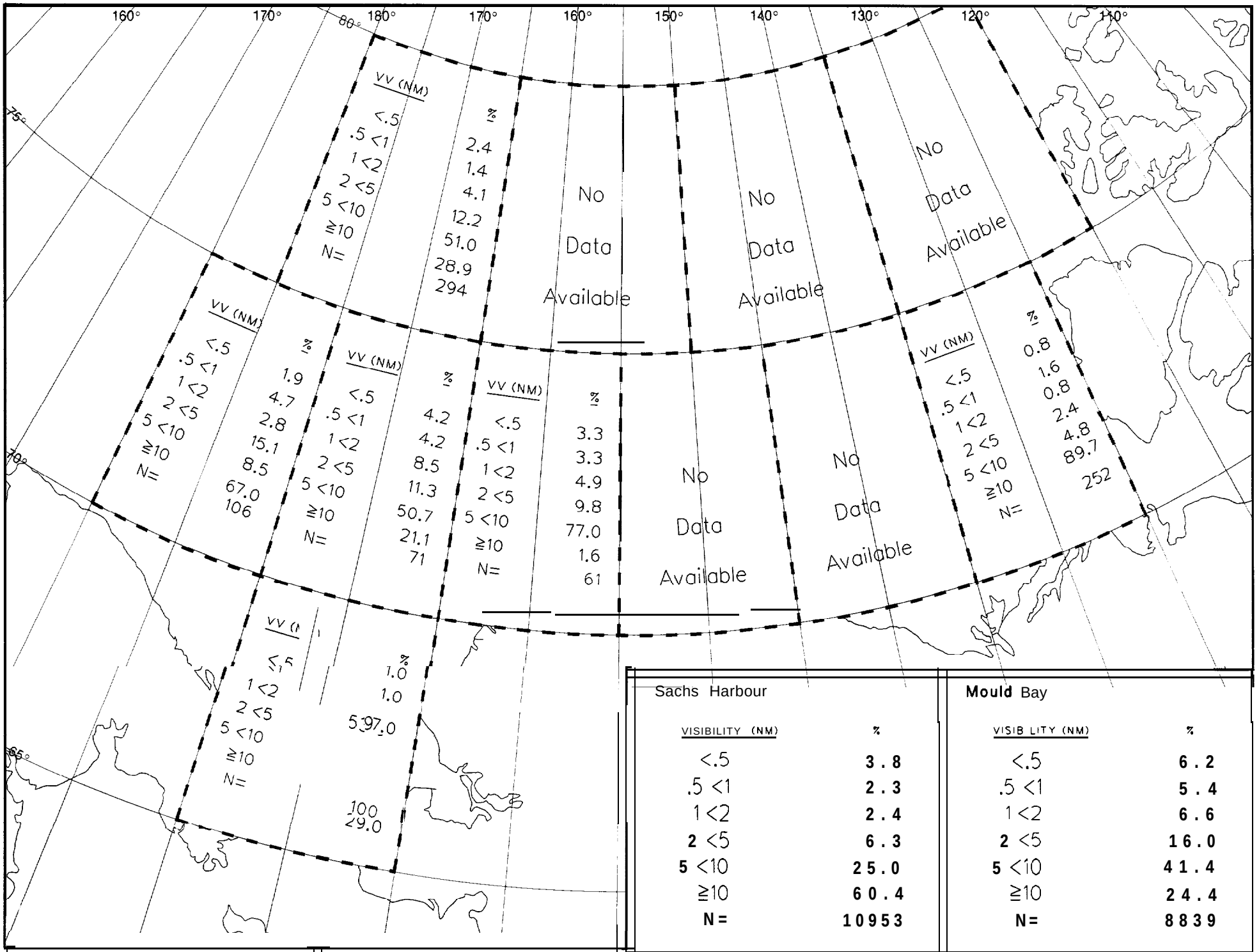
VISIBILITY (NM)	%
<.5	4.1
.5 <1	4.2
1 <2	4.3
2 <5	9.9
5 <10	29.2
≧10	48.2
N=	19838

Clinton Point

VISIBILITY (NM)	%
<.5	5.3
.5 <1	2.6
1 <2	2.4
2 <5	5.8
5 <10	20.2
≧10	63.7
N=	4702

Holman

VISIBILITY (NM)	%
<.5	7.4
.5 <1	3.0
1 <2	2.5
2 <5	4.9
5 <10	16.0
≧10	66.1
N=	3216



Sachs Harbour

VISIBILITY (NM)	%
<.5	3.8
.5 <1	2.3
1 <2	2.4
2 <5	6.3
5 <10	25.0
≧10	60.4
N=	10953

Mould Bay

VISIBILITY (NM)	%
<.5	6.2
.5 <1	5.4
1 <2	6.6
2 <5	16.0
5 <10	41.4
≧10	24.4
N=	8839

Marine Area A

VISIBILITY (NM)	%
<.5	2.5
.5 <1	4.0
1 <2	5.5
2 <5	12.1
5 <10	27.6
≧10	48.2
N=	199

Marine Area B

VISIBILITY (NM)	%
<.5	3.6
.5 <1	3.6
1 <2	3.6
2 <5	10.9
5 <10	74.5
≧10	3.6
N=	55

Marine Area C

VISIBILITY (NM)	%
<.5	4.2
.5 <1	2.7
1 <2	3.0
2 <5	4.2
5 <10	7.7
≧10	78.3
N=	336

Marine Area D

VISIBILITY (NM)	%
<.5	1.0
.5 <1	1.0
1 <2	6.8
2 <5	9.7
5 <10	52.4
≧10	29.1
N=	103

Ostrov Vrangslja

VISIBILITY (NM)	%
<.5	3.6
.5 <1	2.2
1 <2	5.1
2 <5	13.5
5 <10	8.1
≧10	67.5
N=	4453

Mys Shmidta

VISIBILITY (NM)	%
<.5	5.3
.5 <1	6.0
1 <2	6.0
2 <5	11.2
5 <10	14.7
≧10	56.7
N=	4706

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	1.5
.5 <1	0.9
1 <2	4.9
2 <5	11,1
5 <10	29.5
≧10	52.1
N=	2794

Mys Uelen

VISIBILITY (NM)	%
<.5	2.0
.5 <1	1.2
1 <2	5.3
2 <5	19.2
5 <10	10.9
≧10	61.4
N=	4695

Tin City

VISIBILITY (NM)	%
<.5	10.6
.5 <1	8.5
1 <2	13.7
2 <5	17.7
5 <10	23.4
≧10	26.0
N=	19317

Kotzebue

VISIBILITY (NM)	%
<.5	2.9
.5 <1	2.5
1 <2	3.3
2 <5	6.7
5 <10	14.8
≧10	69.8
N=	21267

Cape Lisburne

VISIBILITY (NM)	%
<.5	2.0
.5 <1	3.4
1 <2	5.9
2 <5	13.2
5 <10	38.9
≧10	36.7
N=	19177

Point Lay

VISIBILITY (NM)	%
<.5	13.8
.5 <1	4.3
1 <2	5.4
2 <5	7.9
5 <10	43.6
210	24.9
N=	3179

Barrow

VISIBILITY (NM)	%
<.5	3.4
.5 <1	3.0
1 <2	3.4
2 <5	11.4
5 <10	65.1
≧10	13.6
N=	18229

Lonely

VISIBILITY (NM)	%
<.5	3.8
.5 <1	4.2
1 <2	3.4
2 <5	8.3
5 <10	56.2
110	24.1
N=	3330

Oliktok

VISIBILITY (NM)	%
<.5	5.2
.5 <1	3.4
1 <2	4.4
2 <5	8.6
5 <10	56.9
≧10	21.4
N=	3223

Barter

VISIBILITY (NM)	%
<.5	5.9
.5 <1	4.3
1 <2	4.8
2 <5	8.7
5 <10	26.7
≧10	49.5
N=	18134

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	3.7
.5 <1	2.8
1 <2	2.9
2 <5	5.3
5 <10	19.0
≧10	66.4
N=	3154

Cape Parry

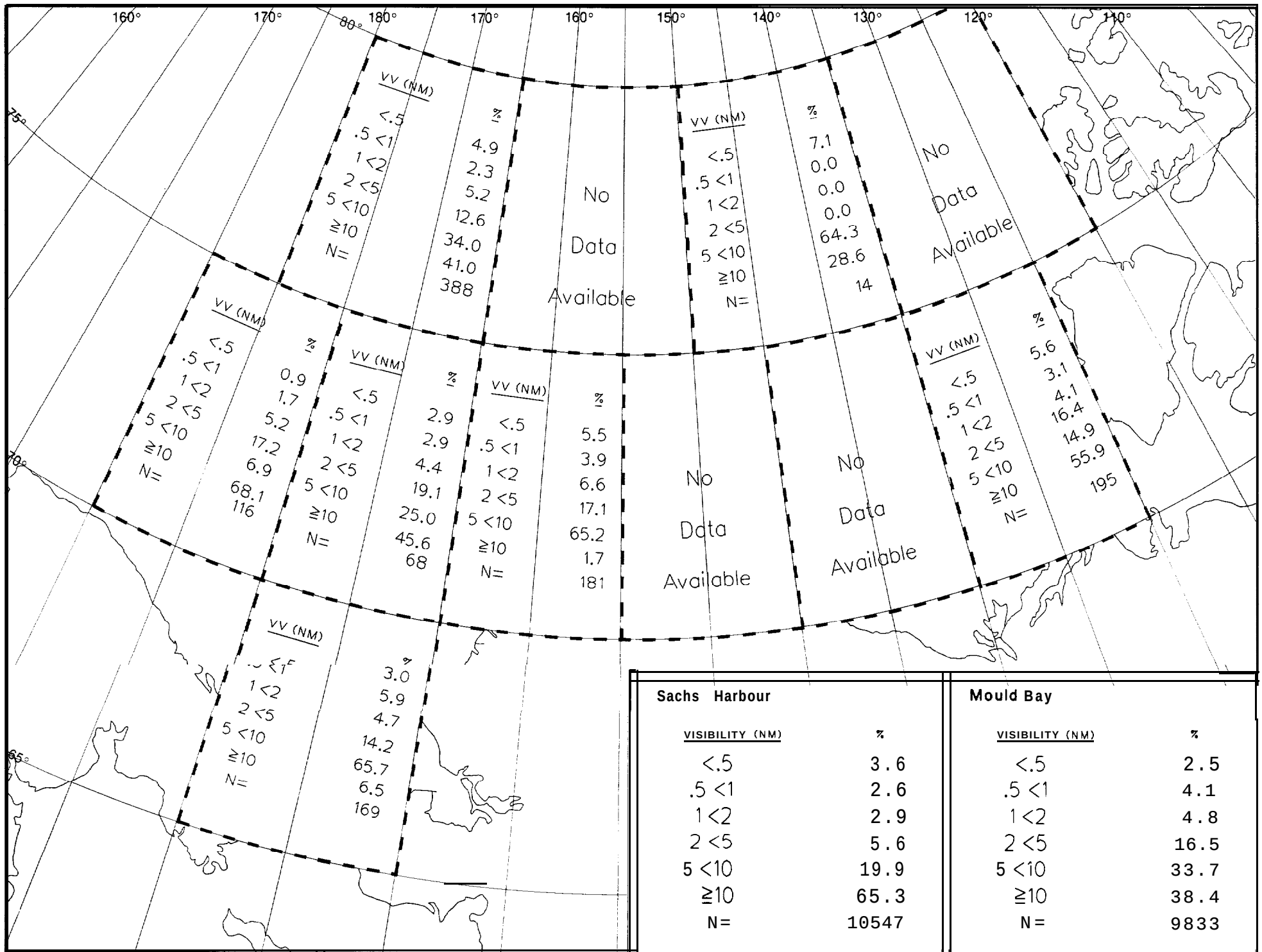
VISIBILITY (NM)	%
<.5	5.4
.5 <1	3.7
1 <2	3.8
2 <5	9.8
5 <10	25.5
≧10	51.7
N=	19197

Clinton Point

VISIBILITY (NM)	%
<.5	6.6
.5 <1	2.9
1 <2	3.1
2 <5	7.7
5 <10	18.3
≧10	61.4
N=	4456

Holman

VISIBILITY (NM)	%
<.5	5.6
.5 <1	2.6
1 <2	2.9
2 <5	6.6
5 <10	17.0
≧10	65.4
N=	3111



Sachs Harbour

VISIBILITY (NM)	%
<.5	3.6
.5 <1	2.6
1 <2	2.9
2 <5	5.6
5 <10	19.9
≧10	65.3
N=	10547

Mould Bay

VISIBILITY (NM)	%
<.5	2.5
.5 <1	4.1
1 <2	4.8
2 <5	16.5
5 <10	33.7
≧10	38.4
N=	9833

Marine Area A

VISIBILITY (NM)	%
<.5	1.6
.5 <1	2.2
1 <2	4.9
2 <5	18.0
5 <10	13.7
≧10	59.6
N=	183

Marine Area B

VISIBILITY (NM)	%
<.5	6.1
.5 <1	4.1
1 <2	6.6
2 <5	16.3
5 <10	64.3
≧10	2.6
N=	196

Marine Area C

VISIBILITY (NM)	%
<.5	9.0
.5 <1	3.1
1 <2	3.1
2 <5	16.0
5 <10	20.3
≧10	48.4
N=	256

Marine Area D

VISIBILITY (NM)	%
<.5	2.8
.5 <1	5.7
1 <2	4.5
2 <5	13.6
5 <10	67.0
≧10	6.3
N=	176

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	6.0
.5 <1	2.0
1 <2	3.5
2 <5	16.8
5 <10	12.1
≧10	59.6
N=	4436

Mys Shmidta

VISIBILITY (NM)	%
<.5	7.4
.5 <1	5.9
1 <2	7.6
2 <5	13.6
5 <10	14.5
≧10	51.0
N=	4688

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	7.2
.5 <1	0.9
1 <2	5.0
2 <5	11.7
5 <10	18.9
≧10	56.3
N=	2982

Mys Uelen

VISIBILITY (NM)	%
<.5	5.9
.5 <1	1.1
1 <2	3.5
2 <5	14.2
5 <10	10.9
≧10	64.5
N=	4709

Tin City

VISIBILITY (NM)	%
<.5	16.9
.5 <1	6.6
1 <2	8.5
2 <5	12.7
5 <10	17.8
≧10	37.4
N=	20813

Kotzebue

VISIBILITY (NM)	%
<.5	2.2
.5 <1	1.9
1 <2	1.8
2 <5	3.4
5 <10	7.4
≧10	83.2
N=	21220

Cape Lisburne

VISIBILITY (NM)	%
<.5	2.9
.5 <1	3.2
1 <2	4.1
2 <5	10.5
5 <10	32.5
≧10	46.8
N=	20501

Point Lay

VISIBILITY (NM)	%
<.5	8.0
.5 <1	3.5
1 <2	3.4
2 <5	6.5
5 <10	38.7
≧10	39.9
N=	3202

Barrow

VISIBILITY (NM)	%
<.5	5.9
.5 <1	3.6
1 <2	4.2
2 <5	13.1
5 <10	62.2
≧10	11.1
N=	18099

Lonely

VISIBILITY (NM)	%
<.5	6.5
.5 <1	5.2
1 <2	4.5
2 <5	10.7
5 <10	54.0
≧10	19.0
N=	3307

Oliktok

VISIBILITY (NM)	%
<.5	8.1
.5 <1	6.2
1 <2	5.8
2 <5	10.0
5 <10	52.7
≧10	17.2
N=	3243

Barter

VISIBILITY (NM)	%
<.5	7.3
.5 <1	5.9
1 <2	6.2
2 <5	11.3
5 <10	27.2
≧10	42.0
N=	18071

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	5.4
.5 <1	2.2
1 <2	2.7
2 <5	5.1
5 <10	22.6
≧10	61.9
N=	3305

Cape Parry

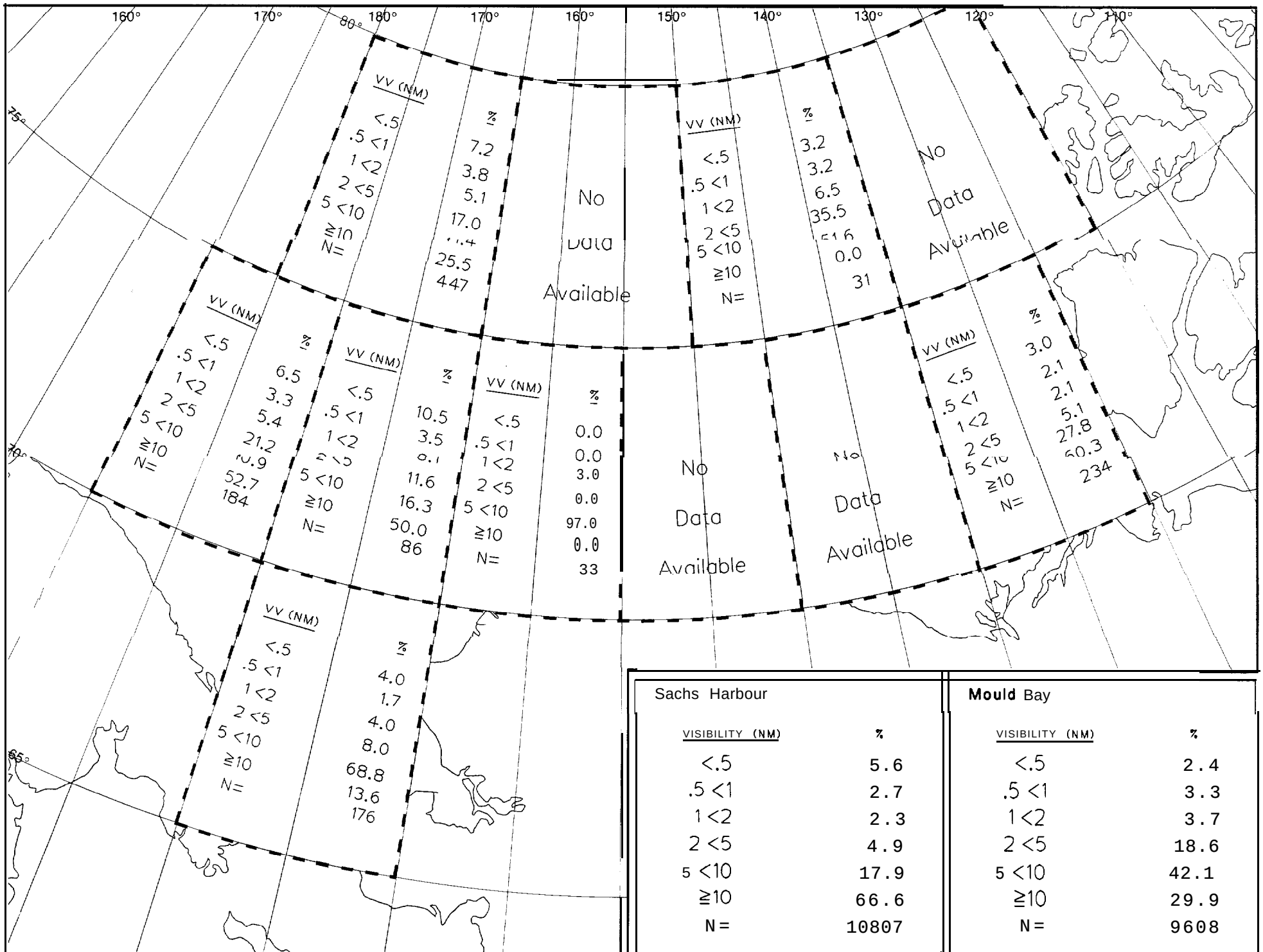
VISIBILITY (NM)	%
<.5	5.9
.5 <1	4.0
1 <2	3.2
2 <5	7.4
5 <10	23.0
≧10	56.5
N=	19348

Clinton Point

VISIBILITY (NM)	%
<.5	7.9
.5 <1	2.3
1 <2	2.5
2 <5	6.0
5 <10	16.4
≧10	64.8
N=	4420

Holman

VISIBILITY (NM)	%
<.5	11.0
.5 <1	2.4
1 <2	2.3
2 <5	5.2
5 <10	17.2
≧10	61.9
N=	3218



Sachs Harbour

VISIBILITY (NM)	%
<.5	5.6
.5 <1	2.7
1 <2	2.3
2 <5	4.9
5 <10	17.9
≧10	66.6
N=	10807

Mould Bay

VISIBILITY (NM)	%
<.5	2.4
.5 <1	3.3
1 <2	3.7
2 <5	18.6
5 <10	42.1
≧10	29.9
N=	9608

Marine Area A

VISIBILITY (NM)	%
<.5	10.8
.5 <1	3.2
1 <2	5.7
2 <5	7.6
5 <10	19.0
≧10	53.8
N=	158

Marine Area B

VISIBILITY (NM)	%
<.5	0.0
.5 <1	2.8
1 <2	2.8
2 <5	0.0
5 <10	86.1
≧10	8.3
N=	36

Marine Area C

VISIBILITY (NM)	%
<.5	6.6
.5 <1	3.5
1 <2	1.4
2 <5	5.0
5 <10	24.6
≧10	58.9
N=	423

Marine Area D

VISIBILITY (NM)	%
<.5	3.9
.5 <1	1.7
1 <2	3.9
2 <5	7.7
5 <10	69. 1
≧10	13.8
N=	181

5 Visibility Thresholds

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	9.5
.5 <1	1.4
1 <2	2.2
2 <5	12.6
5 <10	9.6
≧10	64.7
N=	4329

Mys Shmidta

VISIBILITY (NM)	%
<.5	11.2
.5 <1	5.8
1 <2	5.9
2 <5	8.7
5 <10	8.3
≧10	60.0
N=	4557

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	15.3
.5 <1	0.7
1 <2	2.7
2 <5	6.3
5 <10	9.1
≧10	66.0
N=	2857

Mys Uelen

VISIBILITY (NM)	%
<.5	11.5
.5 <1	0.9
1 <2	3.1
2 <5	8.8
5 <10	11.5
210	64.2
N=	4534

Tin City

VISIBILITY (NM)	%
<.5	26.6
.5 <1	4.7
1 <2	4.8
2 <5	9.2
5 <10	12.4
≧10	42.4
N=	20039

Kotzebue

VISIBILITY (NM)	%
<.5	3.6
.5 <1	2.0
1 <2	1.5
2 <5	2.5
5 <10	6.7
≧10	83.8
N=	20512

Cape Lisburne

VISIBILITY (NM)	%
<.5	6.5
.5 <1	4.7
1 <2	4.1
2 <5	8.9
5 <10	28.8
210	47.0
N=	19435

Point Lay

VISIBILITY (NM)	%
<.5	5.3
.5 <1	1.8
1 <2	1.6
2 <5	3.4
5 <10	26.9
≧10	61.0
N=	3137

Barrow

VISIBILITY (NM)	%
<.5	8.4
.5 <1	4.8
1 <2	4.3
2 <5	9.7
5 <10	58.6
≧10	14.2
N=	17498

Lonely

VISIBILITY (NM)	%
<.5	8.6
.5 <1	4.1
1 <2	2.4
2 <5	5.5
5 <10	53.2
110	26.3
N=	3222

Oliktok

VISIBILITY (NM)	%
<.5	8.3
.5 <1	4.0
1 <2	2.4
2 <5	6.1
5 <10	47.2
210	32.0
N=	3160

Barter

VISIBILITY (NM)	%
<.5	10.1
.5 <1	5.9
1 <2	5.0
2 <5	7.2
5 <10	18.6
≧10	53.2
N=	17672

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	4.8
.5 <1	2.1
1 <2	1.4
2 <5	3.2
5 <10	15.2
≧10	73.4
N=	3117

Cape Parry

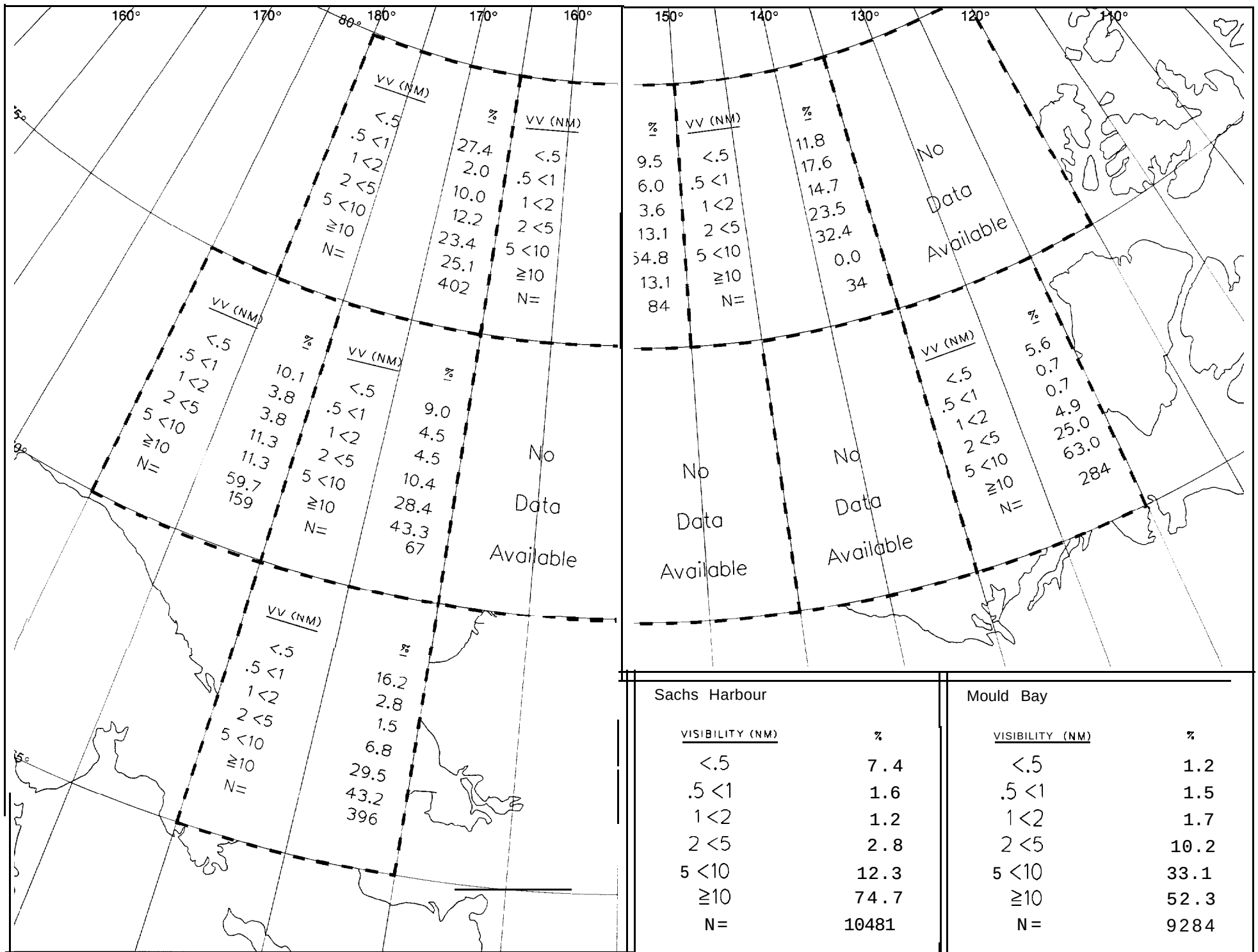
VISIBILITY (NM)	%
<.5	6.6
.5 <1	3.2
1 <2	2.6
2 <5	4.6
5 <10	13.4
≧10	69.6
N=	18719

Clinton Point

VISIBILITY (NM)	%
<.5	3.2
.5 <1	1.5
1 <2	1.2
2 <5	2.4
5 <10	9.8
≧10	82.0
N=	4450

Holman

VISIBILITY (NM)	%
<.5	19.9
.5 <1	1.6
1 <2	1.1
2 <5	2.7
5 <10	10.5
210	73.1
N=	3112



Sachs Harbour

VISIBILITY (NM)	%
<.5	7.4
.5 <1	1.6
1 <2	1.2
2 <5	2.8
5 <10	12.3
≧10	74.7
N=	10481

Mould Bay

VISIBILITY (NM)	%
<.5	1.2
.5 <1	1.5
1 <2	1.7
2 <5	10.2
5 <10	33.1
≧10	52.3
N=	9284

Marine Area A

VISIBILITY (NM)	%
<.5	13.1
.5 <1	3.0
1 <2	4.0
2 <5	IO. 1
5 <10	20.2
≧10	49.5
N=	99

Marine Area B

No Data Avoiloble

Marine Area C

VISIBILITY (NM)	%
<.5	6.2
.5 <1	2.0
1 <2	1.3
2 <5	4.9
5 <10	16.5
≧10	69.2
N=	613

Marine Area D

VISIBILITY (NM)	%
<.5	15.1
.5 <1	2.4
1 <2	2.0
2 <5	6.8
5 <10	25.6
≧10	48.1
N=	503

Oetrov Vrangelja

VISIBILITY (NM)	%
<.5	14.0
.5 <1	1.4
1 <2	2.6
2 <5	10.1
5 <10	7.7
≧10	64.3
N=	4271

Mys Shmidta

VISIBILITY (NM)	%
<.5	12.9
.5 <1	4.7
1 <2	5.1
2 <5	8.5
5 <10	8.3
≧10	60.4
N=	4545

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	15.4
.5 <1	0.4
1 <2	1.6
2 <5	5.9
5 <10	7.6
≧10	69.1
N=	2643

Mys Uelen

VISIBILITY (NM)	%
<.5	11.9
.5 <1	0.7
1 <2	2.0
2 <5	8.8
5 <10	14.9
≧10	61.7
N=	4536

Tin City

VISIBILITY (NM)	%
<.5	25.2
.5 <1	5.0
1 <2	5.0
2 <5	11.2
5 <10	15.0
≧10	38.5
N=	20713

Kotzebue

VISIBILITY (NM)	%
<.5	1.4
.5 <1	0.9
1 <2	1.1
2 <5	3.2
5 <10	8.5
210	85.0
N=	21131

Cape Lisburne

VISIBILITY (NM)	%
<.5	4.4
.5 <1	3.5
1 <2	4.0
2 <5	9.6
5 <10	30.8
≧10	47.7
N=	19446

Point Lay

VISIBILITY (NM)	%
<.5	4.4
.5 <1	1.9
1 <2	2.2
2 <5	5.5
5 <10	28.3
≧10	57.8
N=	3031

Barrow

VISIBILITY (NM)	%
<.5	8.9
.5 <1	4.9
1 <2	3.7
2 <5	8.5
5 <10	54.1
≧10	19.7
N=	18771

Lonely

VISIBILITY (NM)	%
<.5	10.7
.5 <1	3.8
1 <2	2.0
2 <5	5.0
5 <10	49.2
≧10	29.4
N=	3181

Oliktok

VISIBILITY (NM)	%
<.5	9.0
.5 <1	3.8
1 <2	2.4
2 <5	5.1
5 <10	43.9
≧10	35.7
N=	3073

Barter

VISIBILITY (NM)	%
<.5	14.2
.5 <1	4.1
1 <2	2.8
2 <5	4.8
5 <10	15.0
≧10	59.0
N=	18347

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	2.4
.5 <1	1.4
1 <2	1.6
2 <5	2.2
5 <10	12.0
≧10	80.5
N=	3216

Cape Parry

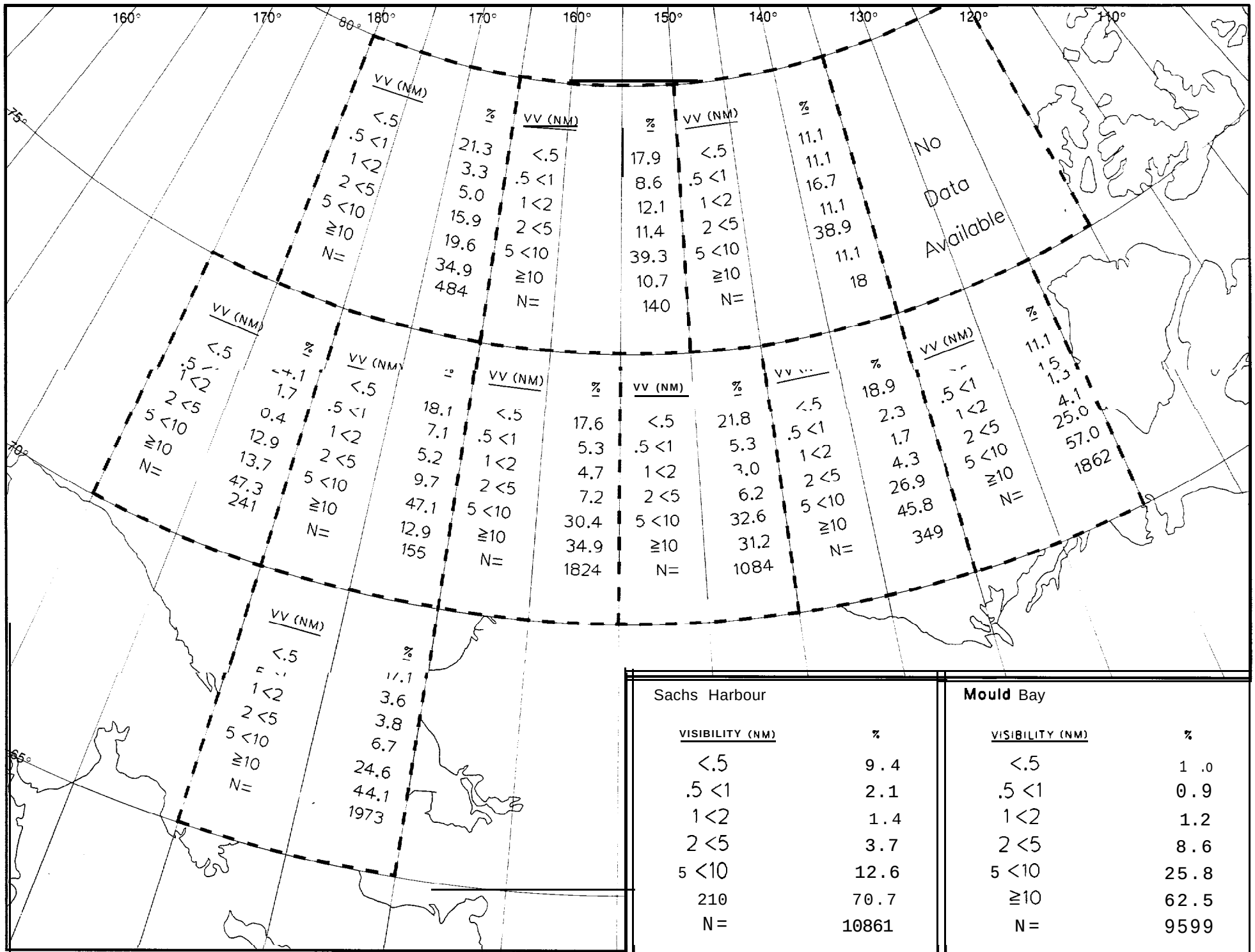
VISIBILITY (NM)	%
<.5	7.7
.5 <1	2.9
1 <2	2.5
2 <5	4.1
5 <10	13.5
≧10	69.4
N=	19343

Clinton Point

VISIBILITY (NM)	%
<.5	7.2
.5 <1	1.6
1 <2	1.3
2 <5	3.1
5 <10	8.8
≧10	77.9
N=	4453

Holmen

VISIBILITY (NM)	%
<.5	6.7
.5 <1	1.1
1 <2	0.7
2 <5	2.6
5 <10	9.7
≧10	79.1
N=	3214



Sachs Harbour

VISIBILITY (NM)	%
<.5	9.4
.5 <1	2.1
1 <2	1.4
2 <5	3.7
5 <10	12.6
210	70.7
N=	10861

Mould Bay

VISIBILITY (NM)	%
<.5	1 .0
.5 <1	0.9
1 <2	1.2
2 <5	8.6
5 <10	25.8
≧10	62.5
N=	9599

Marine Area A

VISIBILITY (NM)	%
<.5	21.1
.5 <1	5.1
1 <2	5.1
2 <5	9.5
5 <10	31.4
≧10	27.6
N=	369

Marine Area B

VISIBILITY (NM)	%
<.5	19.7
.5 <1	5.3
1 <2	4.0
2 <5	6.8
5 <10	30.6
≧10	33.7
N=	2906

Marine Area C

VISIBILITY (NM)	%
<.5	10.8
.5 <1	1.6
1 <2	1.2
2 <5	4.5
5 <10	24.1
≧10	57.8
N=	3562

Marine Area D

VISIBILITY (NM)	%
<.5	16.5
.5 <1	3.2
1 <2	3.5
2 <5	6.3
5 <10	24.1
≧10	46.4
N=	2528

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	16.7
.5 <1	1.5
1 <2	2.6
2 <5	11.8
5 <10	10.3
≧10	57.0
N=	4278

Mys Shmidts

VISIBILITY (NM)	%
<.5	12.4
.5 <1	7.3
1 <2	7.9
2 <5	10.3
5 <10	11.2
≧10	50.9
N=	4582

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	20.1
.5 <1	0.6
1 <2	2.4
2 <5	9.4
5 <10	17.6
≧10	49.8
N=	259 1

Mys Uelen

VISIBILITY (NM)	%
<.5	13.2
.5 <1	0.8
1 <2	2.8
2 <5	10.6
5 <10	17.1
≧10	55.5
N=	4549

Tin City

VISIBILITY (NM)	%
<.5	14.6
.5 <1	4.3
1 <2	6.5
2 <5	12.6
5 <10	20.9
≧10	41.1
N=	20855

Kotrebue

VISIBILITY (NM)	%
<.5	0.4
.5 <1	0.6
1 <2	1.3
2 <5	3.6
5 <10	14.2
≧10	79.9
N=	21794

Cape Lisburne

VISIBILITY (NM)	%
<.5	2.2
.5 <1	2.7
1 <2	3.5
2 <5	10.8
5 <10	36.0
≧10	44.7
N=	20280

Point Lay

VISIBILITY (NM)	%
<.5	3.7
.5 <1	2.5
1 <2	3.1
2 <5	7.6
5 <10	33.1
≧10	50.0
N=	3298

Barrow

VISIBILITY (NM)	%
<.5	9.3
.5 <1	4.9
1 <2	4.6
2 <5	10.7
5 <10	57.0
≧10	13.5
N=	19325

Lonely

VISIBILITY (NM)	%
<.5	14.2
.5 <1	3.8
1 <2	2.7
2 <5	7.0
5 <10	48.1
≧10	24.1
N=	3433

Oliktok

VISIBILITY (NM)	%
<.5	11.0
.5 <1	5.1
1 <2	3.1
2 <5	7.8
5 <10	46.4
≧10	26.5
N=	3322

Barter

VISIBILITY (NM)	%
<.5	17.6
.5 <1	5.5
1 <2	4.5
2 <5	6.9
5 <10	22.0
110	43.5
N=	18470

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	3.0
.5 <1	2.3
1 <2	1.9
2 <5	3.9
5 <10	15.8
≧10	73.1
N=	3223

Cape Parry

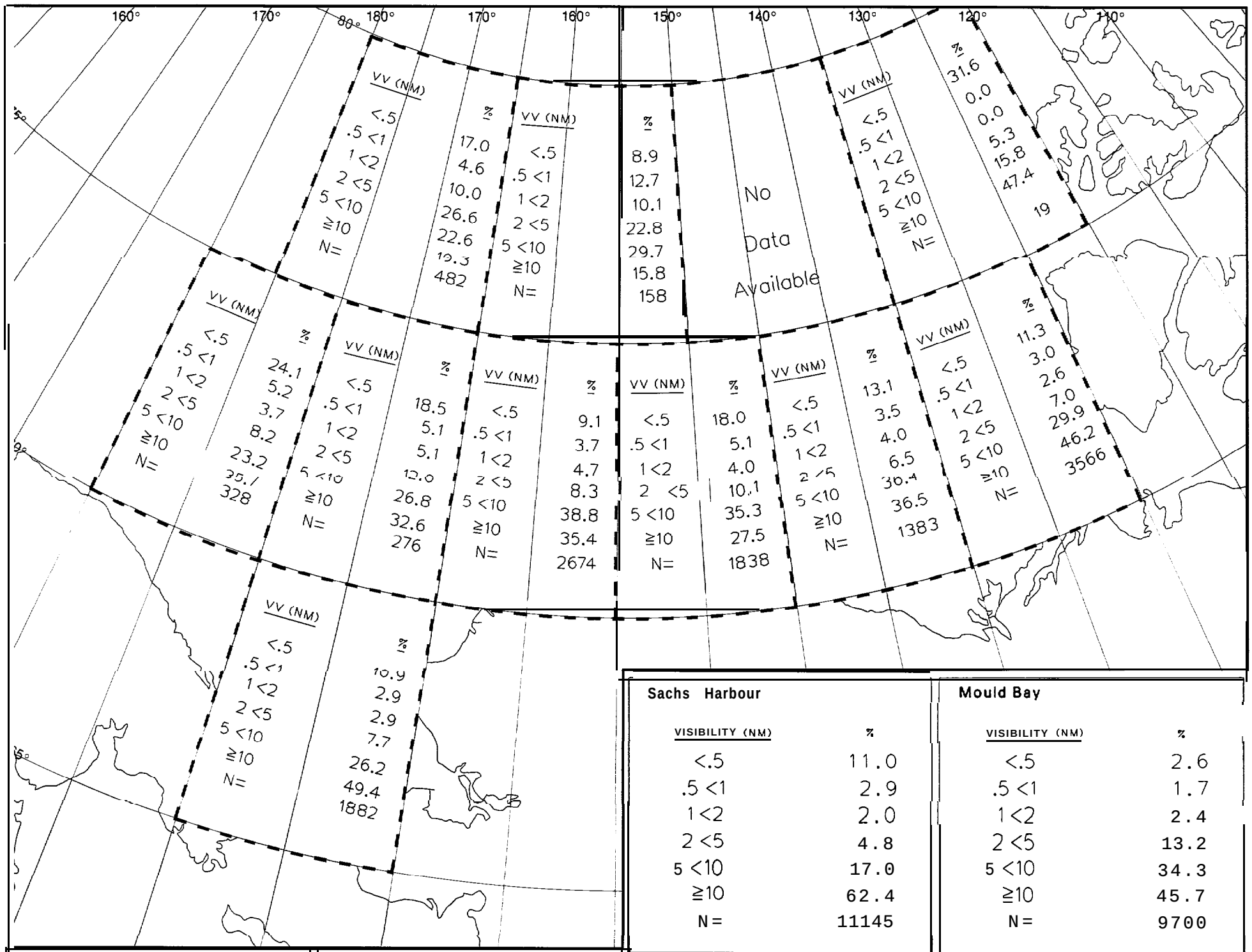
VISIBILITY (NM)	%
<.5	6.7
.5 <1	3.2
1 <2	2.8
2 <5	6.1
5 <10	20.4
≧10	60.8
N=	19340

Clinton Point

VISIBILITY (NM)	%
<.5	5.3
.5 <1	1.3
1 <2	0.8
2 <5	5.2
5 <10	12.1
≧10	75.4
N=	4483

Holman

VISIBILITY (NM)	%
<.5	10.1
.5 <1	1.9
1 <2	1.4
2 <5	2.9
5 <10	15.2
≧10	68.4
N=	3202



Sachs Harbour

VISIBILITY (NM)	%
<.5	11.0
.5 <1	2.9
1 <2	2.0
2 <5	4.8
5 <10	17.0
≧10	62.4
N=	11145

Mould Bay

VISIBILITY (NM)	%
<.5	2.6
.5 <1	1.7
1 <2	2.4
2 <5	13.2
5 <10	34.3
≧10	45.7
N=	9700

Marine Area A

VISIBILITY (NM)	%
<.5	17.8
.5 <1	4.2
1 <2	4.5
2 <5	9.3
5 <10	25.5
≧10	38.7
N=	600

Marine Area B

VISIBILITY (NM)	%
<.5	12.7
.5 <1	4.3
1 <2	4.4
2 <5	9.2
5 <10	37.6
≧10	31.9
N=	4587

Marine Area C

VISIBILITY (NM)	%
<.5	11.4
.5 <1	2.7
1 <2	2.9
2 <5	6.7
5 <10	29.4
≧10	46.9
N=	7680

Marine Area D

VISIBILITY (NM)	%
<.5	11.1
.5 <1	2.7
1 <2	2.9
2 <5	7.9
5 <10	25.6
≧10	49.8
N=	2314

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	7.0
.5 <1	1.5
1 <2	3.5
2 <5	16.3
5 <10	13.2
≧10	58.6
N=	409 1

Mys Shmidts

VISIBILITY (NM)	%
<.5	8.5
.5 <1	7.6
1 <2	7.6
2 <5	11.5
5 <10	12.9
≧10	52.0
N=	4340

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	13.0
.5 <1	0.9
1 <2	2.5
2 <5	9.2
5 <10	33.7
≧10	40.7
N=	2471

Mys Uelen

VISIBILITY (NM)	%
<.5	7.8
.5 <1	0.8
1 <2	3.0
2 <5	11.3
5 <10	16.8
≧10	60.2
N=	4374

Tin City

VISIBILITY (NM)	%
<.5	6.1
.5 <1	2.3
1 <2	4.9
2 <5	11.4
5 <10	28.5
≧10	46.9
N=	19573

Kottebue

VISIBILITY (NM)	%
<.5	0.4
.5 <1	0.5
1 <2	0.9
2 <5	3.0
5 <10	15.4
≧10	79.8
N=	21065

Cape Lisburne

VISIBILITY (NM)	%
<.5	0.7
.5 <1	1.7
1 <2	2.8
2 <5	10.4
5 <10	45.9
≧10	38.5
N=	19538

Point Lay

VISIBILITY (NM)	%
<.5	3.2
.5 <1	2.4
1 <2	2.5
2 <5	7.5
5 <10	42.3
≧10	42.1
N=	3237

Barrow

VISIBILITY (NM)	%
<.5	5.1
.5 <1	3.8
1 <2	4.9
2 <5	13.5
5 <10	62.0
≧10	10.6
N=	18707

Lonely

VISIBILITY (NM)	%
<.5	8.3
.5 <1	4.2
1 <2	3.2
2 <5	7.8
5 <10	56.1
≧10	20.4
N=	3337

Oliktok

VISIBILITY (NM)	%
<.5	8.8
.5 <1	5.9
1 <2	4.2
2 <5	8.9
5 <10	52.8
≧10	19.5
N=	3251

Barter

VISIBILITY (NM)	%
<.5	14.6
.5 <1	6.5
1 <2	5.3
2 <5	8.1
5 <10	26.2
≧10	39.4
N=	17742

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	3.9
.5 <1	1.8
1 <2	2.5
2 <5	3.8
5 <10	24.2
≧10	63.8
N=	3119

Cape Parry

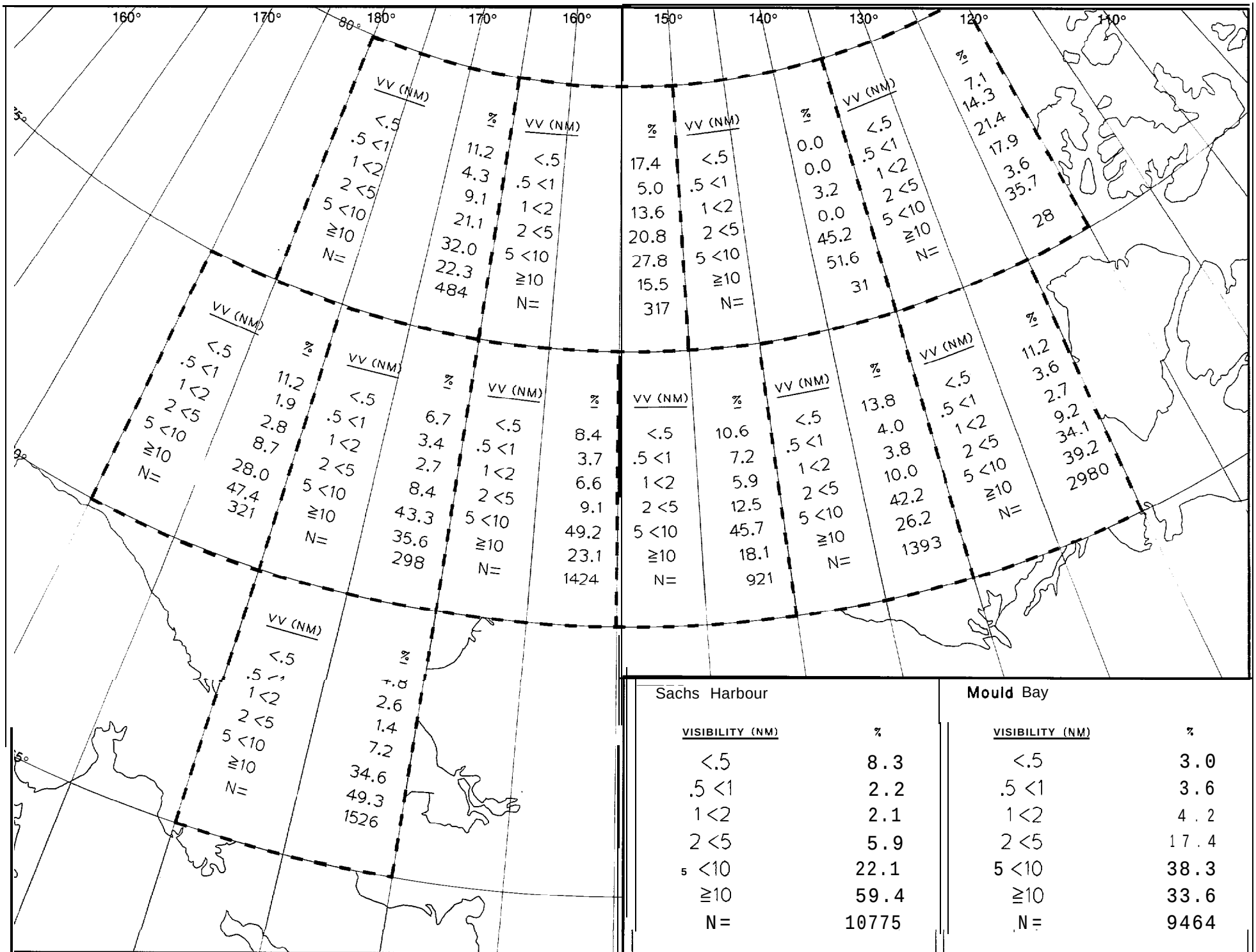
VISIBILITY (NM)	%
<.5	5.2
.5 <1	4.0
1 <2	3.3
2 <5	7.6
5 <10	26.6
≧10	53.4
N=	18975

Clinton Point

VISIBILITY (NM)	%
<.5	5.7
.5 <1	2.7
1 <2	1 .0
2 <5	5.0
5 <10	14.8
210	70.8
N=	4356

Holman

VISIBILITY (NM)	%
<.5	10.8
.5 <1	2.8
1 <2	2.2
2 <5	5.0
5 <10	17.0
210	62.1
N=	3114



Sachs Harbour

VISIBILITY (NM)	%
<.5	8.3
.5 <1	2.2
1 <2	2.1
2 <5	5.9
5 <10	22.1
≧10	59.4
N=	10775

Mould Bay

VISIBILITY (NM)	%
<.5	3.0
.5 <1	3.6
1 <2	4.2
2 <5	17.4
5 <10	38.3
≧10	33.6
N=	9464

Marine Area A

VISIBILITY (NM)	%
<.5	8.5
.5 <1	2.9
1 <2	2.7
2 <5	10.7
5 <10	36.0
≧10	39.2
N=	625

Merine Area B

VISIBILITY (NM)	%
<.5	9.6
.5 <1	5.2
1 <2	6.3
2 <5	10.3
5 <10	47.3
≧10	21.2
N=	2346

Marine Area C

VISIBILITY (NM)	%
<.5	10.2
.5 <1	3.3
1 <2	3.1
2 <5	9.3
5 <10	36.3
≧10	37.8
N=	7096

Marine Area D

VISIBILITY (NM)	%
<.5	4.3
.5 <1	2.3
1 <2	1.8
2 <5	7.0
5 <10	33.9
≧10	50.7
N=	2045

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	3.5
.5 <1	3.2
1 <2	5.4
2 <5	18.8
5 <10	13.6
≧10	55.4
N=	4279

Mys Shmidta

VISIBILITY (NM)	%
<.5	7.8
.5 <1	8.8
1 <2	7.6
2 <5	12.2
5 <10	16.2
≧10	47.5
N=	4600

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	3.7
.5 <1	1.9
1 <2	8.4
2 <5	16.8
5 <10	39.7
≧10	29.4
N=	2760

Mys Uelen

VISIBILITY (NM)	%
<.5	1.5
.5 <1	1.5
1 <2	5.8
2 <5	16.9
5 <10	15.4
≧10	58.8
N=	4565

Tin City

VISIBILITY (NM)	%
<.5	5.3
.5 <1	3.9
1 <2	7.2
2 <5	13.0
5 <10	33.0
≧10	37.6
N=	19749

Kottebue

VISIBILITY (NM)	%
<.5	1.2
.5 <1	1.6
1 <2	2.4
2 <5	5.4
5 <10	18.2
≧10	71.3
N=	21788

Cape Lisburne

VISIBILITY (NM)	%
<.5	1.8
.5 <1	3.8
1 <2	4.9
2 <5	12.6
5 <10	46.6
≧10	30.3
N=	20333

Point Lay

VISIBILITY (NM)	%
<.5	4.1
.5 <1	3.5
1 <2	3.2
2 <5	9.2
5 <10	47.7
≧10	32.3
N=	3186

Barrow

VISIBILITY (NM)	%
<.5	3.8
.5 <1	4.3
1 <2	5.4
2 <5	16.1
5 <10	60.4
≧10	10.0
N=	19089

Lonely

VISIBILITY (NM)	%
<.5	4.3
.5 <1	3.5
1 <2	3.9
2 <5	10.3
5 <10	58.4
≧10	19.6
N=	3431

Oliktok

VISIBILITY (NM)	%
<.5	4.1
.5 <1	6.1
1 <2	4.8
2 <5	11.6
5 <10	55.2
≧10	18.3
N=	3352

Barter

VISIBILITY (NM)	%
<.5	6.7
.5 <1	6.4
1 <2	7.3
2 <5	14.2
5 <10	32.3
≧10	33.1
N=	18077

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	2.7
.5 <1	3.0
1 <2	4.4
2 <5	7.8
5 <10	29.0
≧10	53.2
N=	3217

Cape Parry

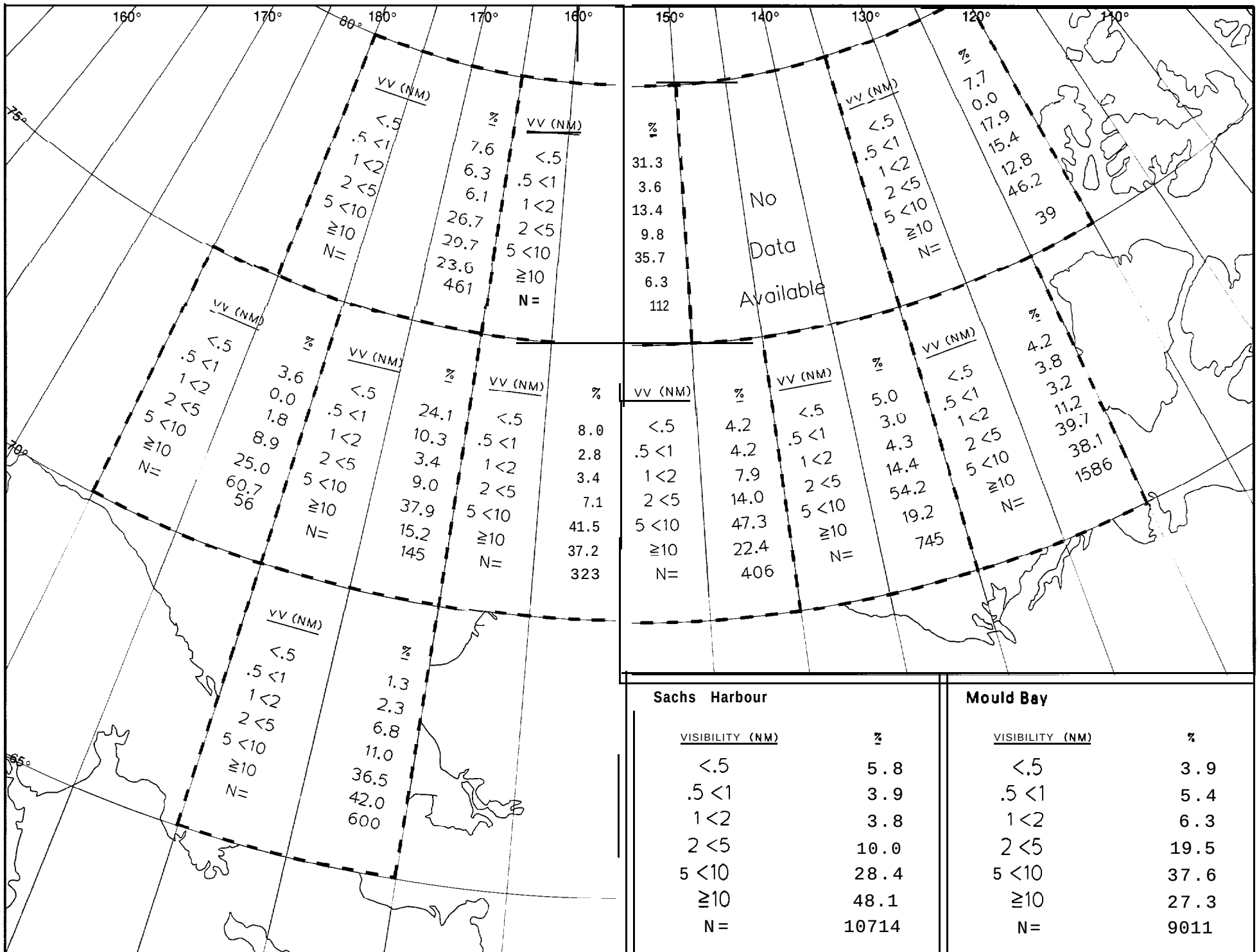
VISIBILITY (NM)	%
<.5	3.2
.5 <1	4.5
1 <2	4.5
2 <5	12.0
5 <10	33.7
≧10	42.1
N=	19839

Clinton Point

VISIBILITY (NM)	%
<.5	7.9
.5 <1	2.9
1 <2	2.4
2 <5	7.4
5 <10	21.1
≧10	58.2
N=	4475

Holman

VISIBILITY (NM)	%
<.5	5.6
.5 <1	3.7
1 <2	3.4
2 <5	7.9
5 <10	22.1
≧10	57.2
N=	3221



Sachs Harbour

VISIBILITY (NM)	%
<.5	5.8
.5 <1	3.9
1 <2	3.8
2 <5	10.0
5 <10	28.4
≧10	48.1
N=	10714

Mould Bay

VISIBILITY (NM)	%
<.5	3.9
.5 <1	5.4
1 <2	6.3
2 <5	19.5
5 <10	37.6
≧10	27.3
N=	9011

Marine Area A

VISIBILITY (NM)	%
<.5	21.1
.5 <1	8.2
1 <2	2.6
2 <5	9.3
5 <10	36.1
≧10	22.7
N=	194

Marine Area B

VISIBILITY (NM)	%
<.5	5.8
.5 <1	3.5
1 <2	5.6
2 <5	11.3
5 <10	48.1
≧10	25.7
N=	859

Marine Area C

VISIBILITY (NM)	%
<.5	4.5
.5 <1	3.6
1 <2	4.0
2 <5	12.7
5 <10	42.3
≧10	32.9
N=	3633

Marine Area D

VISIBILITY (NM)	%
<.5	3.0
.5 <1	3.1
1 <2	7.1
2 <5	10.0
5 <10	35.6
≧10	41.2
N=	842

Ostrov Vrangelja

VISIBILITY (NM)	%
<.5	6.7
.5 <1	5.5
1 <2	8.7
2 <5	21.4
5 <10	12.2
≧10	45.5
N=	4149

Mys Shmidta

VISIBILITY (NM)	%
<.5	15.2
.5 <1	10.4
1 <2	8.3
2 <5	16.0
5 <10	15.8
≧10	34.3
N=	4375

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	2.0
.5 <1	2.6
1 <2	9.2
2 <5	14.1
5 <10	49.4
≧10	22.6
N=	2621

Mys Uelen

VISIBILITY (NM)	%
<.5	2.4
.5 <1	3.4
1 <2	9.6
2 <5	20.2
5 <10	12.9
≧10	51.5
N=	4359

Tin City

VISIBILITY (NM)	%
<.5	12.2
.5 <1	6.4
1 <2	10.0
2 <5	15.3
5 <10	31.9
≧10	24.2
N=	19227

Kotzrbue

VISIBILITY (NM)	%
<.5	2.7
.5 <1	2.7
1 <2	3.6
2 <5	7.5
5 <10	24.5
≧10	58.9
N=	21085

Cape Lisburne

VISIBILITY (NM)	%
<.5	2.3
.5 <1	3.9
1 <2	5.7
2 <5	15.3
5 <10	52.8
≧10	20.0
N=	19506

Point Lay

VISIBILITY (NM)	%
<.5	9.3
.5 <1	4.7
1 <2	4.2
2 <5	9.0
5 <10	46.8
≧10	25.9
N=	3240

Barrow

VISIBILITY (NM)	%
<.5	6.4
.5 <1	4.5
1 <2	5.7
2 <5	14.7
5 <10	58.2
≧10	10.4
N=	18468

Lonely

VISIBILITY (NM)	%
<.5	5.8
.5 <1	4.2
1 <2	4.6
2 <5	10.6
5 <10	56.4
≧10	18.4
N=	3332

Oliktok

VISIBILITY (NM)	%
<.5	6.2
.5 <1	5.0
1 <2	4.5
2 <5	11.6
5 <10	52.1
110	20.6
N=	3223

Barter

VISIBILITY (NM)	%
<.5	8.2
.5 <1	5.6
1 <2	6.3
2 <5	11.6
5 <10	35.2
≧10	33.2
N=	17448

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	2.8
.5 <1	3.0
1 <2	4.0
2 <5	6.8
5 <10	27.6
≧10	55.8
N=	3117

Cape Parry

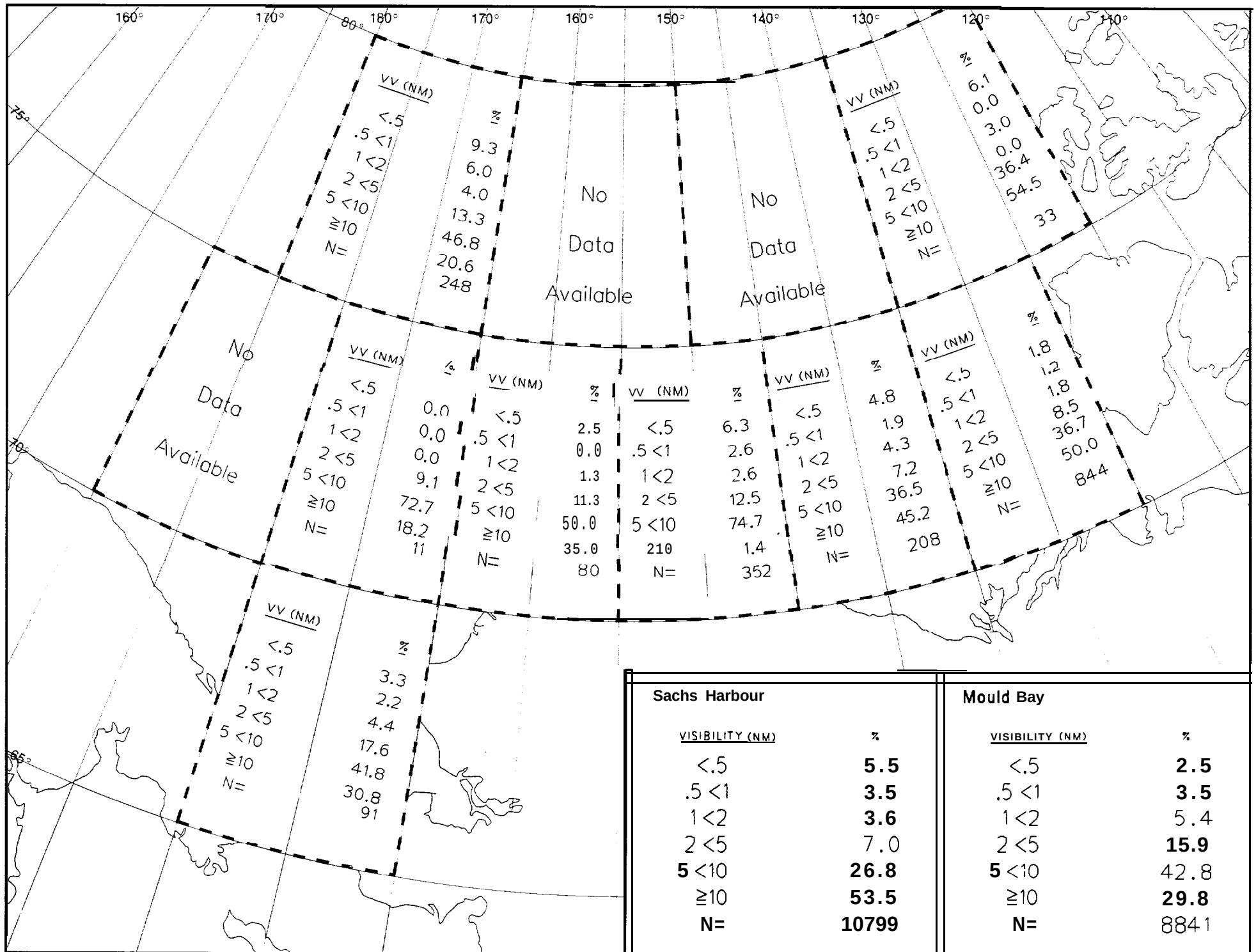
VISIBILITY (NM)	%
<.5	3.9
.5 <1	4.4
1 <2	5.0
2 <5	11.5
5 <10	35.2
≧10	40.0
N=	19199

Clinton Point

VISIBILITY (NM)	%
<.5	6.6
.5 <1	4.0
1 <2	3.5
2 <5	6.8
5 <10	22.4
≧10	56.7
N=	4340

Holman

VISIBILITY (NM)	%
<.5	7.4
.5 <1	2.9
1 <2	3.8
2 <5	7.7
5 <10	23.1
≧10	55.1
N=	3114



Sachs Harbour

VISIBILITY (NM)	%
<.5	**5.5**
.5 <1	**3.5**
1 <2	**3.6**
2 <5	7.0
5 <10	**26.8**
≧10	**53.5**
N=	**10799**

Mould Bay

VISIBILITY (NM)	%
<.5	**2.5**
.5 <1	**3.5**
1 <2	5.4
2 <5	**15.9**
5 <10	42.8
≧10	**29.8**
N=	8841

Marine Area A

VISIBILITY (NM)	%
<.5	0.0
.5 <1	0.0
1 <2	0.0
2 <5	6.3
5 <10	62.5
≧10	31.3
N=	16

Marine Area B

VISIBILITY (NM)	%
<.5	5.4
.5 <1	2.0
1 <2	2.7
2 <5	12.9
5 <10	69.8
≧10	7.2
N=	443

Marine Area C

VISIBILITY (NM)	%
<.5	2.4
.5 <1	1.8
1 <2	3.3
2 <5	7.7
5 <10	32.8
≧10	51.9
N=	1688

Marine Area D

VISIBILITY (NM)	%
<.5	**4.0**
.5 <1	3.0
1 <2	4.0
2 <5	16.8
5 <10	40.6
≧10	31.7
N=	**101**

Ostrov Vrrngelja

VISIBILITY (NM)	%
<.5	3.1
.5 <1	3.3
1 <2	6.7
2 <5	18.2
5 <10	12.8
≧10	55.9
N=	4195

Mys Shmidta

VISIBILITY (NM)	%
<.5	9.3
.5 <1	9.1
1 <2	8.9
2 <5	12.8
5 <10	18.1
≧10	41 .8
N=	4447

Ostrov Kolychino

VISIBILITY (NM)	%
<.5	1.4
.5 <1	1.5
1 <2	5.5
2 <5	10.1
5 <10	55.9
≧10	**25.6**
N=	2603

Mys Uelen

VISIBILITY (NM)	%
<.5	1.5
.5 <1	2.3
1 <2	6.7
2 <5	16.7
5 <10	12.9
≧10	**59.9**
N=	4481

Tin City

VISIBILITY (NM)	%
<.5	12.5
.5 <1	8.2
1 <2	12.0
2 <5	16.6
5 <10	29.7
≧10	20.9
N=	19232

Kotrebue

VISIBILITY (NM)	%
<.5	3.5
.5 <1	2.8
I <2	4.0
2 <5	7.6
5 <10	26.4
210	55.7
N=	21785

Cape Lisburne

VISIBILITY (NM)	%
<.5	2.5
.5 <1	3.8
1 <2	5.2
2 <5	13.7
5 <10	54.3
≧10	20.5
N=	19370

Point Lay

VISIBILITY (NM)	%
<.5	10.1
.5 <1	6.3
1 <2	3.7
2 <5	6.8
5 <10	48.8
≧10	24.4
N=	3360

Barrow

VISIBILITY (NM)	%
<.5	4.1
.5 <1	3.7
1 <2	4.4
2 <5	12.4
5 <10	61.3
≧10	14.2
N=	19056

Lonely

VISIBILITY (NM)	%
<.5	3.0
.5 <1	3.1
1 <2	3.5
2 <5	7.7
5 <10	61.8
≧10	20.8
N=	3476

Oliktok

VISIBILITY (NM)	%
<.5	5.0
.5 <1	4.3
1 <2	4.5
2 <5	8.3
5 <10	56.0
≧10	22.0
N=	3344

Barter

VISIBILITY (NM)	%
<.5	8.4
.5 <1	4.4
1 <2	4.9
2 <5	10.1
5 <10	35.8
≧10	36.6
N=	17923

Tuktoyaktuk

VISIBILITY (NM)	%
<.5	4.4
.5 <1	2.1
1 <2	3.0
2 <5	6.9
5 <10	27.6
≧10	55.9
N=	320 1

Cape Parry

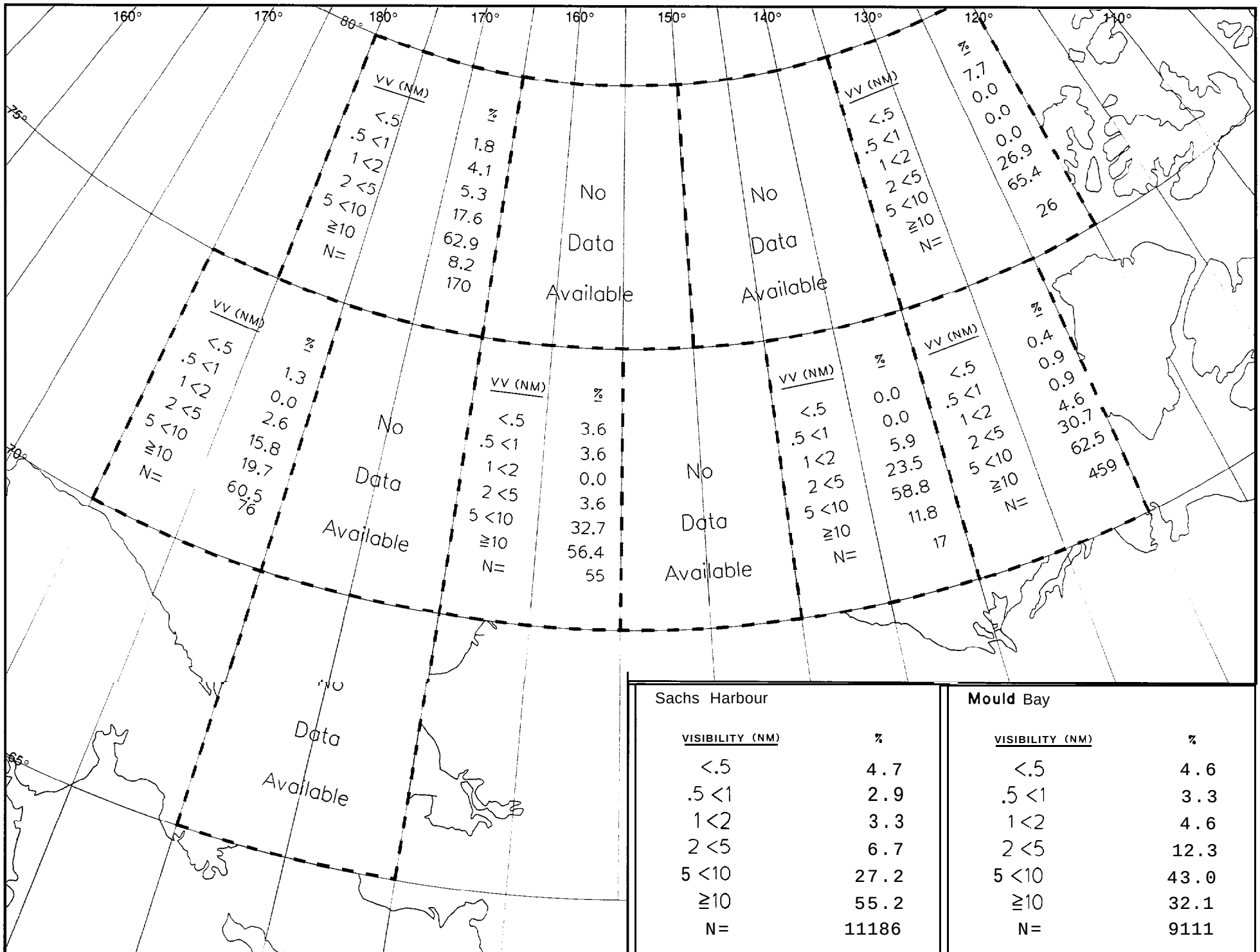
VISIBILITY (NM)	%
<.5	3.3
.5 <1	4.1
1 <2	4.8
2 <5	11.1
5 <10	35.9
≧10	40.8
N=	19790

Clinton Point

VISIBILITY (NM)	%
<.5	6.9
.5 <1	3.7
1 <2	2.6
2 <5	5.5
5 <10	19.1
≧10	62.2
N=	4547

Holman

VISIBILITY (NM)	%
<.5	10.0
.5 <1	2.4
1 <2	2.8
2 <5	5.7
5 <10	20.2
≧10	58.9
N=	3221



Sachs Harbour

VISIBILITY (NM)	%
<.5	4.7
.5 <1	2.9
1 <2	3.3
2 <5	6.7
5 <10	27.2
≧10	55.2
N=	11186

Mould Bay

VISIBILITY (NM)	%
<.5	4.6
.5 <1	3.3
1 <2	4.6
2 <5	12.3
5 <10	43.0
≧10	32.1
N=	9111

Marine Area A

VISIBILITY (NM)	%
<.5	1.6
.5 <1	0.0
1 <2	1.6
2 <5	17.7
5 <10	11.3
≧10	67.7
N=	62

Marine Area B

VISIBILITY (NM)	%
<.5	3.5
.5 <1	3.5
1 <2	3.5
2 <5	3.5
5 <10	31.6
≧10	54.4
N=	57

Marine Area C

VISIBILITY (NM)	%
<.5	1.8
.5 <1	1.5
1 <2	1.9
2 <5	9.7
5 <10	29.0
≧10	56.1
N=	620

Marine Area D

VISIBILITY (NM)	%
<.5	6.7
.5 <1	13.3
1 <2	0.0
2 <5	6.7
5 <10	53.3
≧10	20.0
N=	15

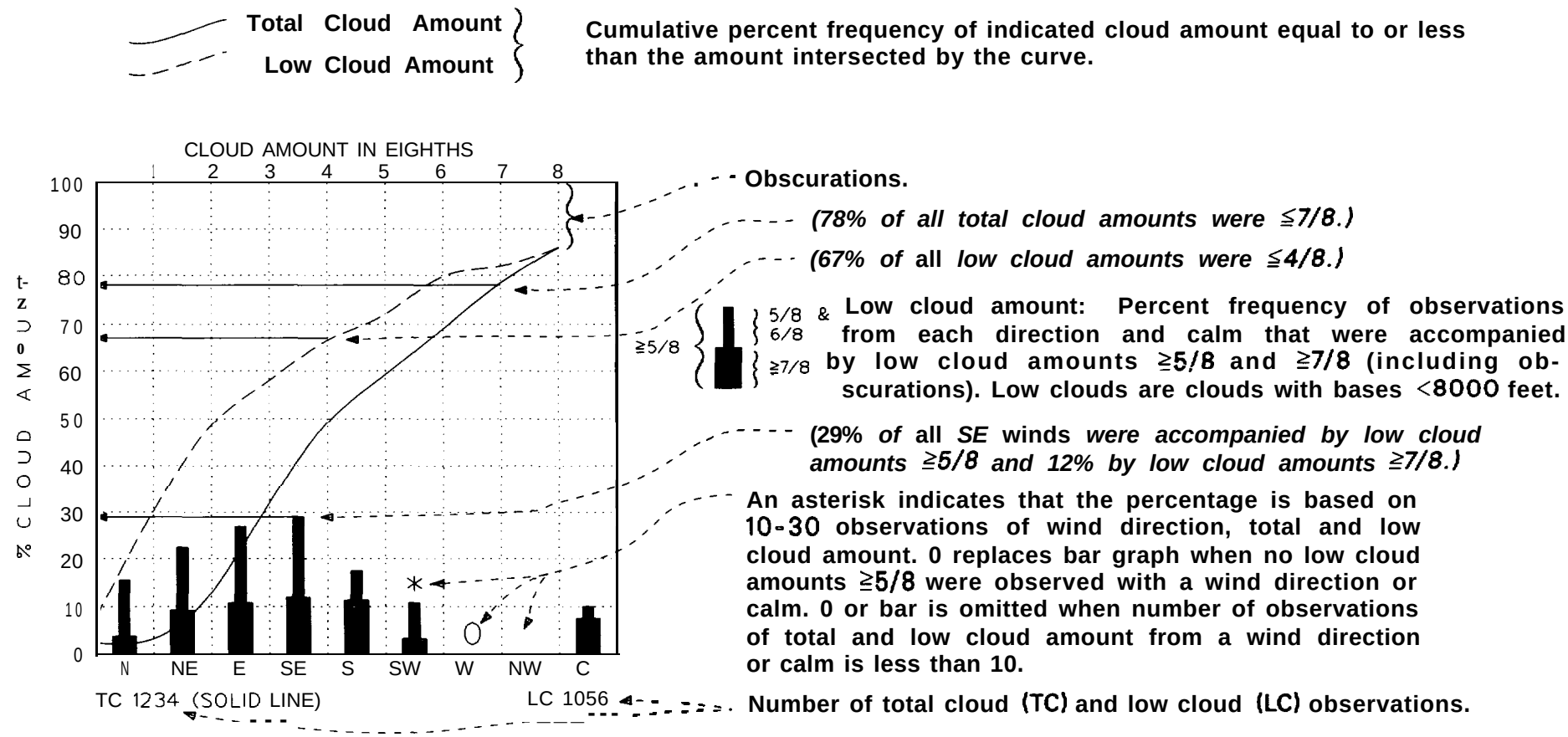
Map 6. Cloud amount

BLACK LINE – Percent frequency of total cloud amount ≦2/8.

BLUE LINE – Percent frequency of low cloud amount ≧5/8.

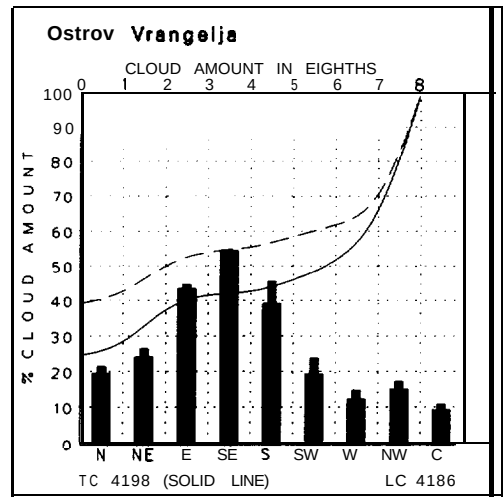
Albers Equal-Area Conic Projection

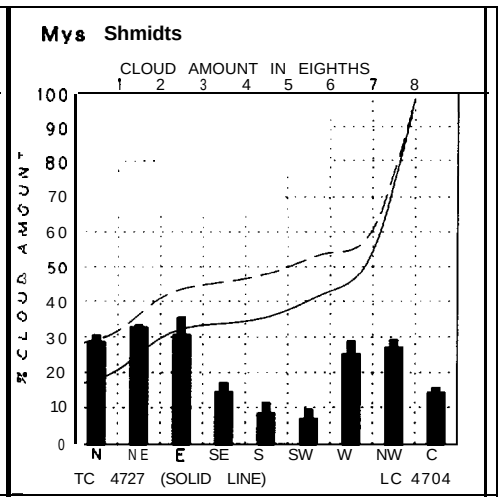
Graphs: Cloud cover/wind direction

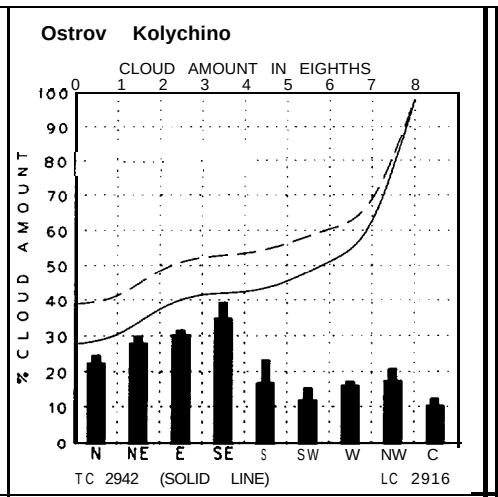


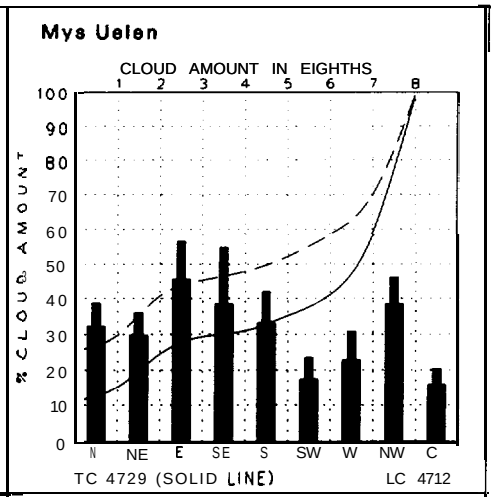
A survey of the cloud data (total and low cloud amounts) from the marine data base shows the number of total cloud reports significantly greater than that of low cloud amounts. This is because many of the early marine observations contain only total cloud amounts. Therefore, somewhat different samples may be used to compute the two curves on the graph. This may lead to inconsistencies where the low cloud amount appears higher than the total cloud amount. Where this occurred, the graph was adjusted in favor of the total cloud by making the curves coincide. The frequency of obscured conditions may be determined from the graph by subtracting the cumulative percent frequency on the curve corresponding to 8/8 coverage from 100%. In computing the bar graph, obscurations are considered as 818 coverage.

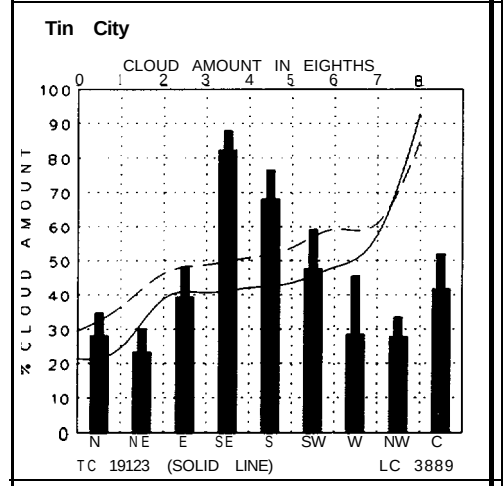
For the two isopleth presentations (total cloud amount ≤ 2/8 and low cloud amount ≥ 5/8), only those observations reporting both total and low cloud amounts were summarized. This helps eliminate problems introduced as a result of different size data sets. A comparison of total cloud analyses based on satellite data by the U.S. Department of Commerce and U.S. Air Force (1971) shows a fairly close agreement with, and bolsters the confidence in, the marine cloud statistics presented in this atlas. Refer to the texts in Sets 3 and 4 for additional information on clouds.

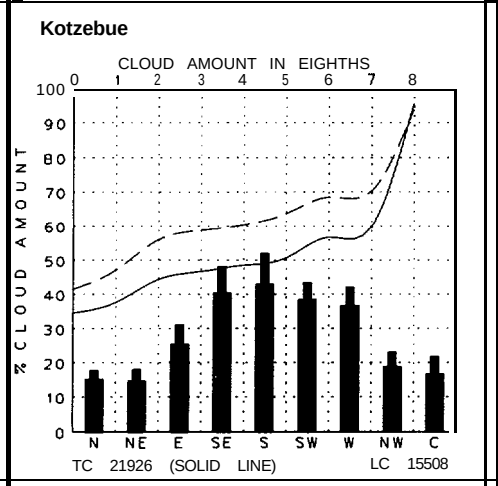

Ostrov Vrangelja
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4198 (SOLID LINE)
LC 4186

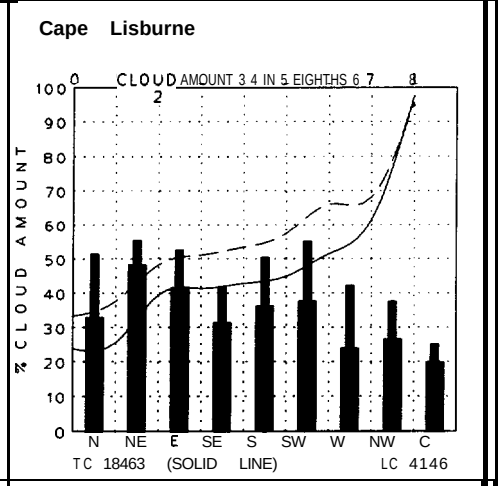

Mys Shmidts
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4727 (SOLID LINE)
LC 4704

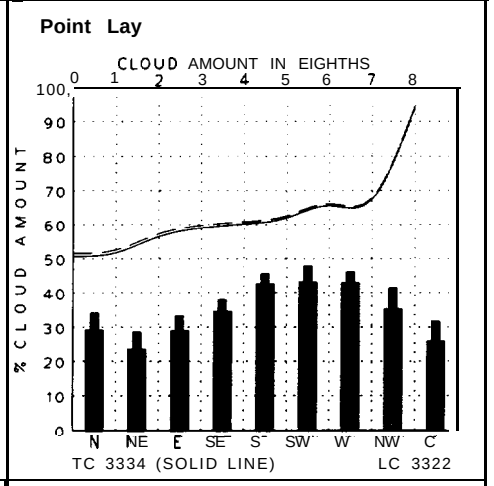

Ostrov Kolychino
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 2942 (SOLID LINE)
LC 2916

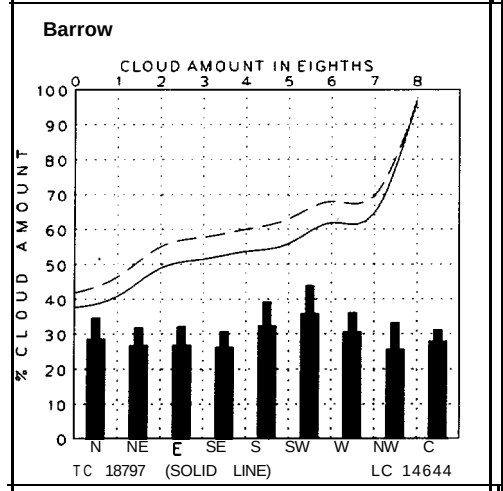

Mys Uelen
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4729 (SOLID LINE)
LC 4712

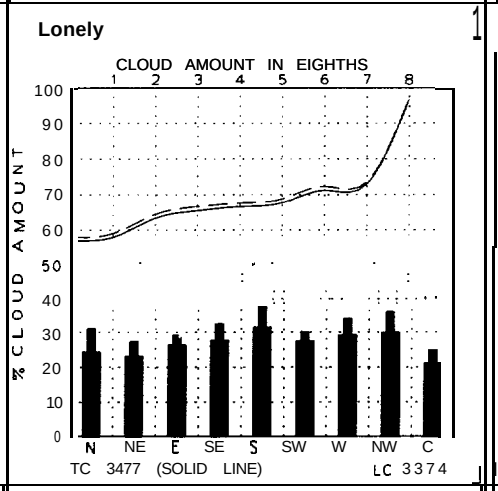

Tin City
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19123 (SOLID LINE)
LC 3889

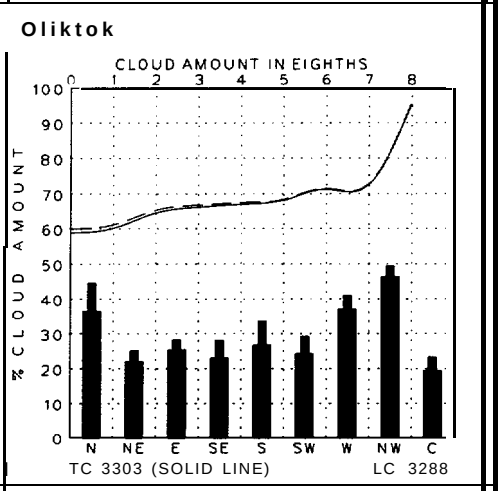

Kotzebue
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 21926 (SOLID LINE)
LC 15508

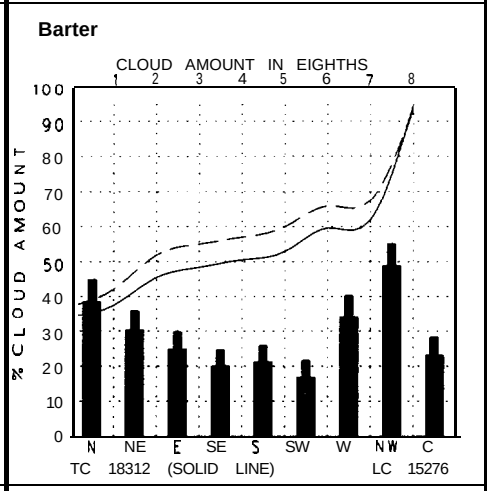

Cape Lisburne
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18463 (SOLID LINE)
LC 4146

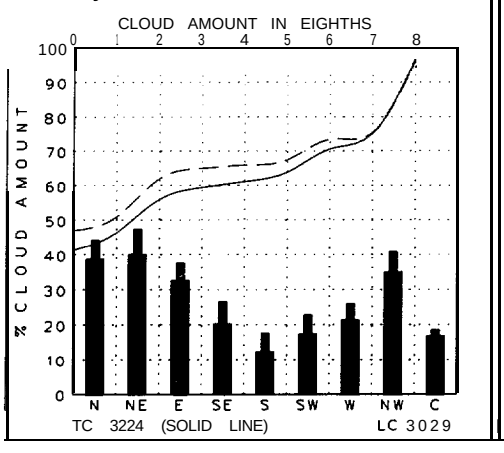

Point Lay
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3334 (SOLID LINE)
LC 3322

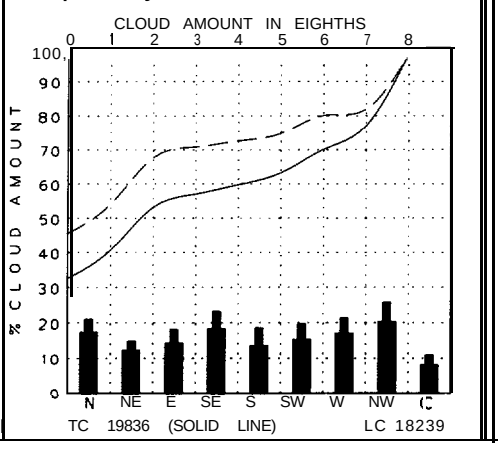

Barrow
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18797 (SOLID LINE)
LC 14644

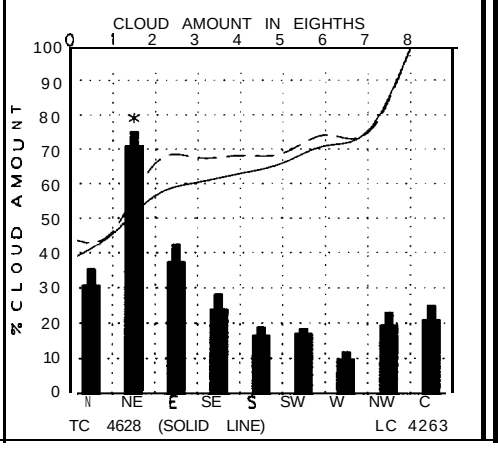

Lonely
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3477 (SOLID LINE)
LC 3374

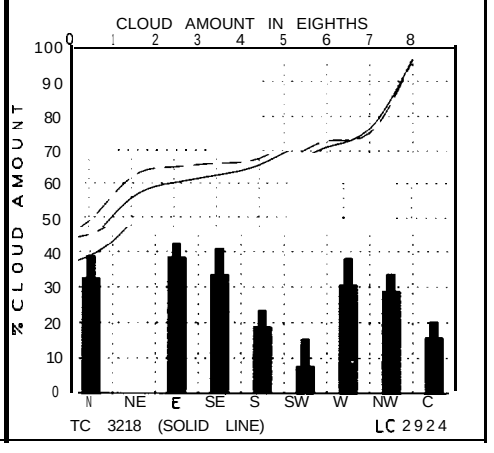

Oliktok
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3303 (SOLID LINE)
LC 3288

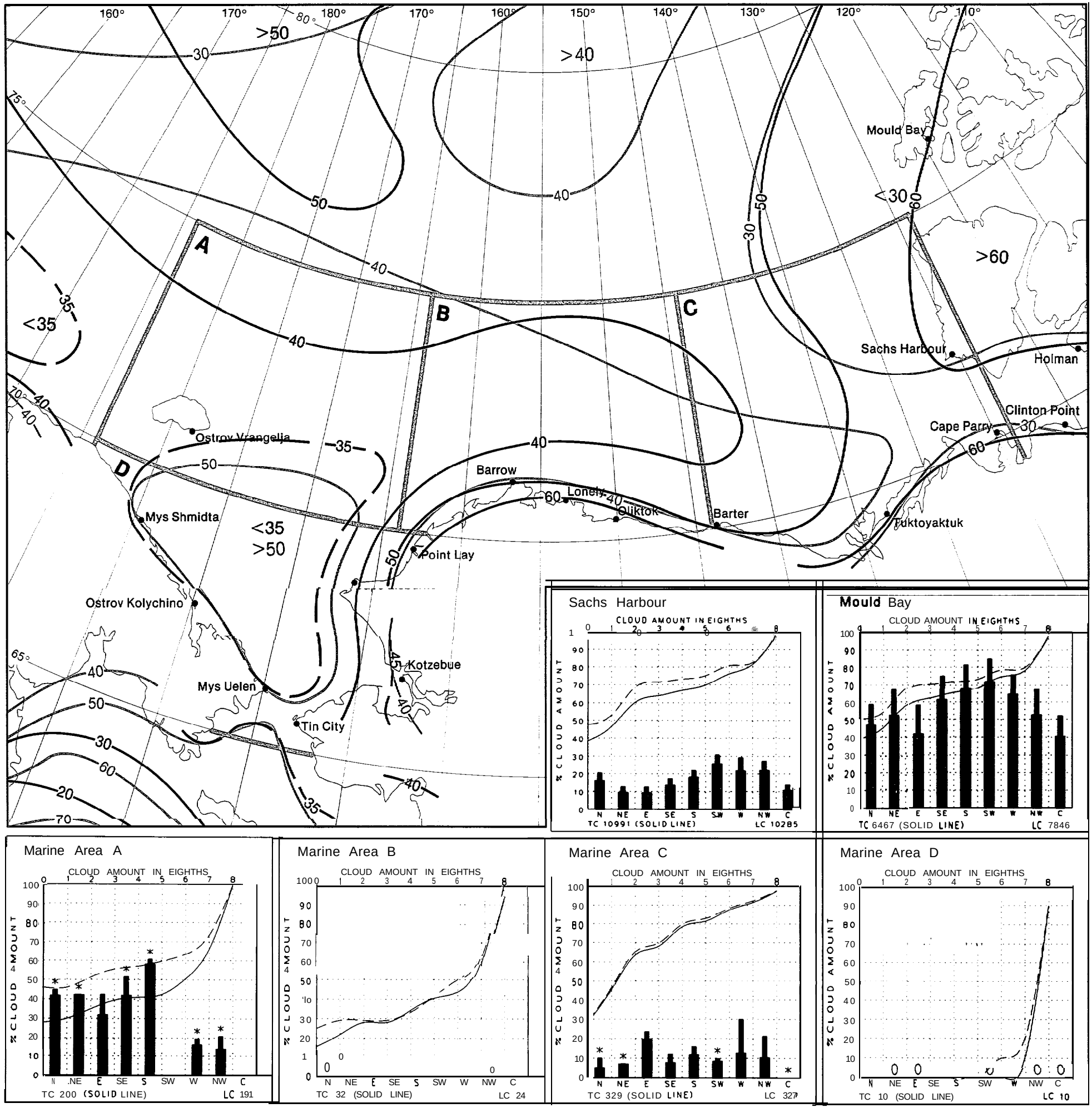

Barter
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18312 (SOLID LINE)
LC 15276


Tuktoyektuk
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3224 (SOLID LINE)
LC 3029


Cape Parry
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19836 (SOLID LINE)
LC 18239


Clinton Point
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4628 (SOLID LINE)
LC 4263

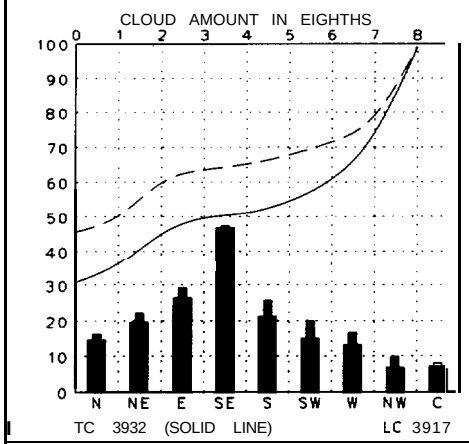

Holman
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3218 (SOLID LINE)
LC 2924



6 Clouds ≦2/8 and ≧5/8

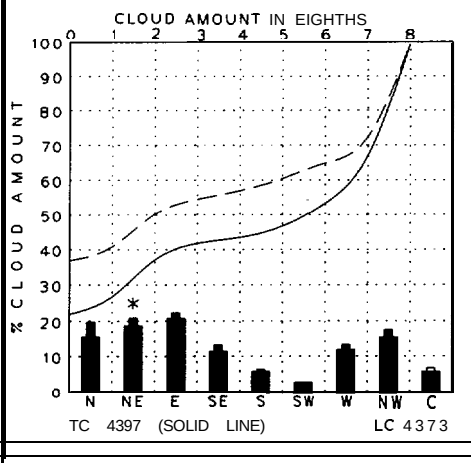
January

Ostrov Vrangelja



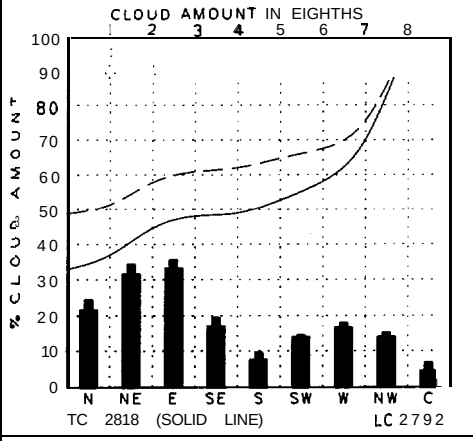
TC 3932 (SOLID LINE) LC 3917

Mys Shmidta



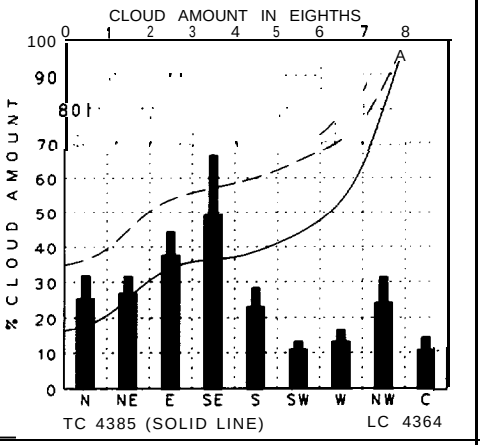
TC 4397 (SOLID LINE) LC 4373

Ostrov Kolychino



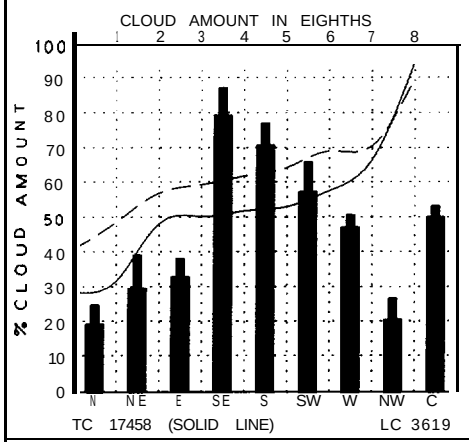
TC 2818 (SOLID LINE) LC 2792

Mys Uelen



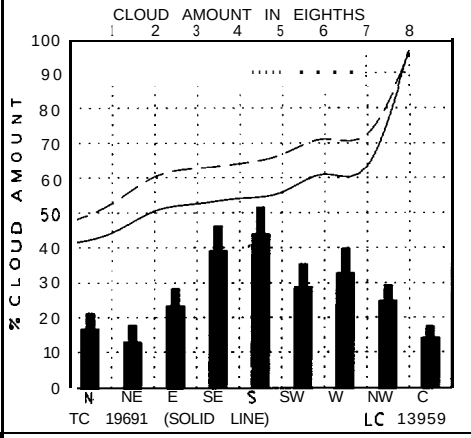
TC 4385 (SOLID LINE) LC 4364

Tin City



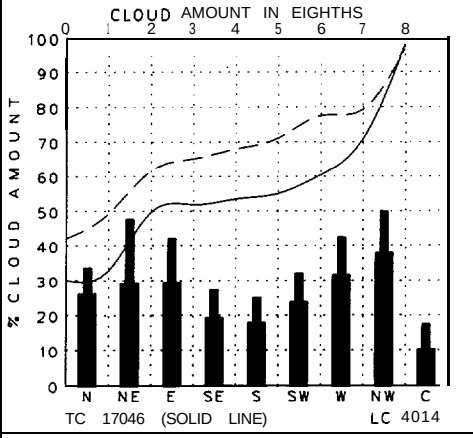
TC 17458 (SOLID LINE) LC 3619

Kotzebue



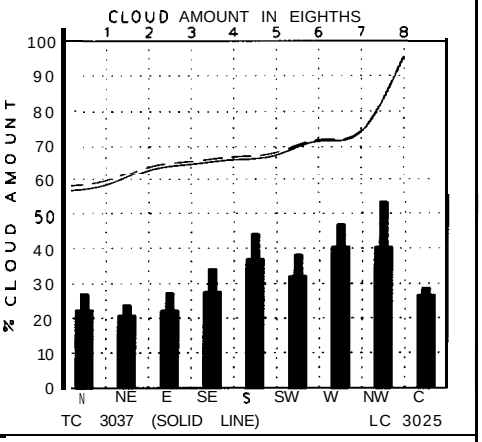
TC 19691 (SOLID LINE) LC 13959

Cape Lisburne



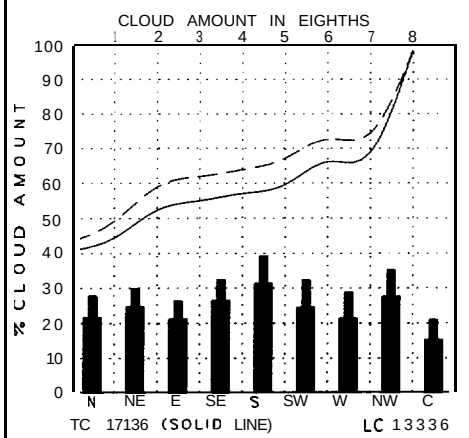
TC 17046 (SOLID LINE) LC 4014

Point Lay



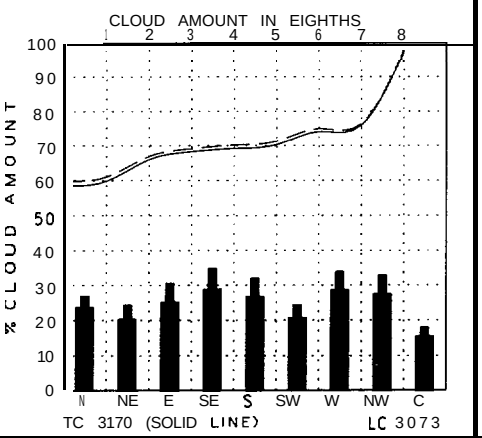
TC 3037 (SOLID LINE) LC 3025

Barrow



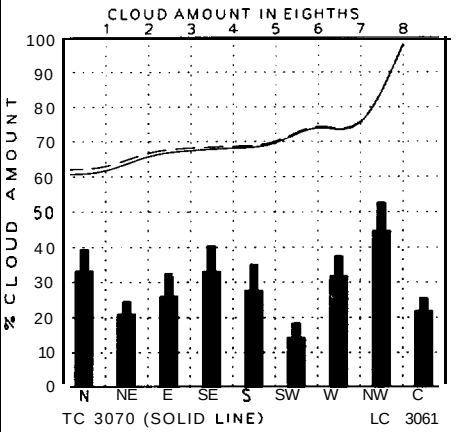
TC 17136 (SOLID LINE) LC 13336

Lonely



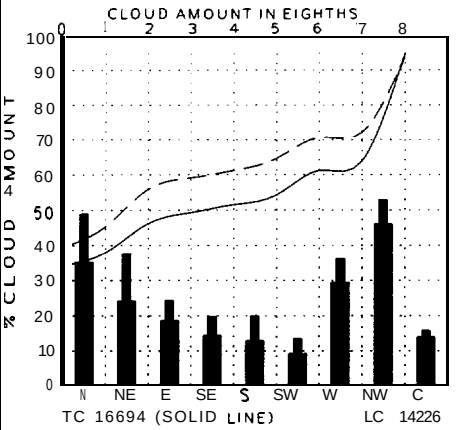
TC 3170 (SOLID LINE) LC 3073

Oliktok



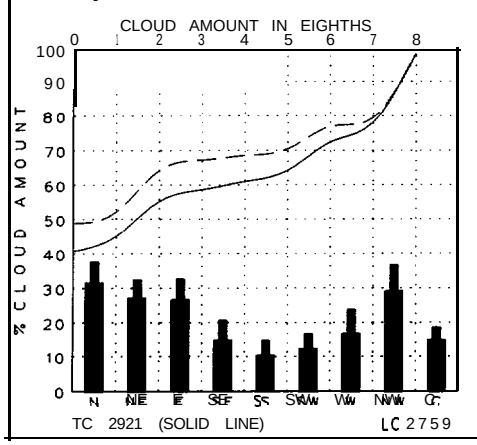
TC 3070 (SOLID LINE) LC 3061

Barter



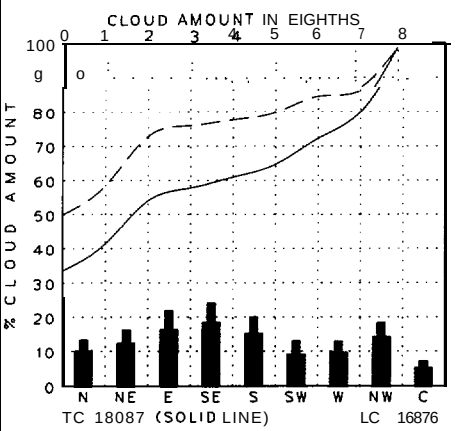
TC 16694 (SOLID LINE) LC 14226

Tuktoyaktuk



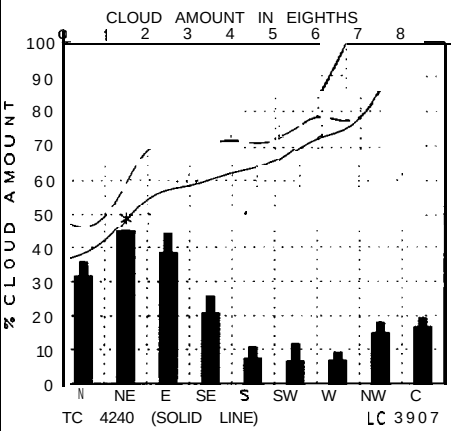
TC 2921 (SOLID LINE) LC 2759

Cape Parry



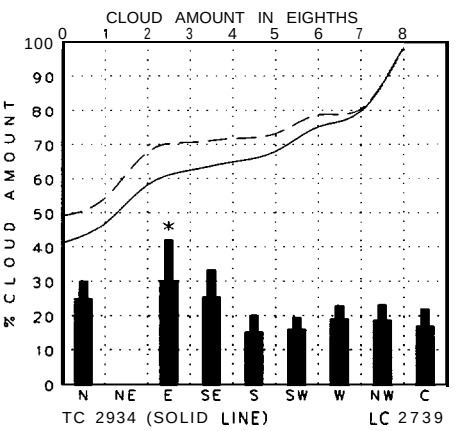
TC 18087 (SOLID LINE) LC 16876

Clinton Point

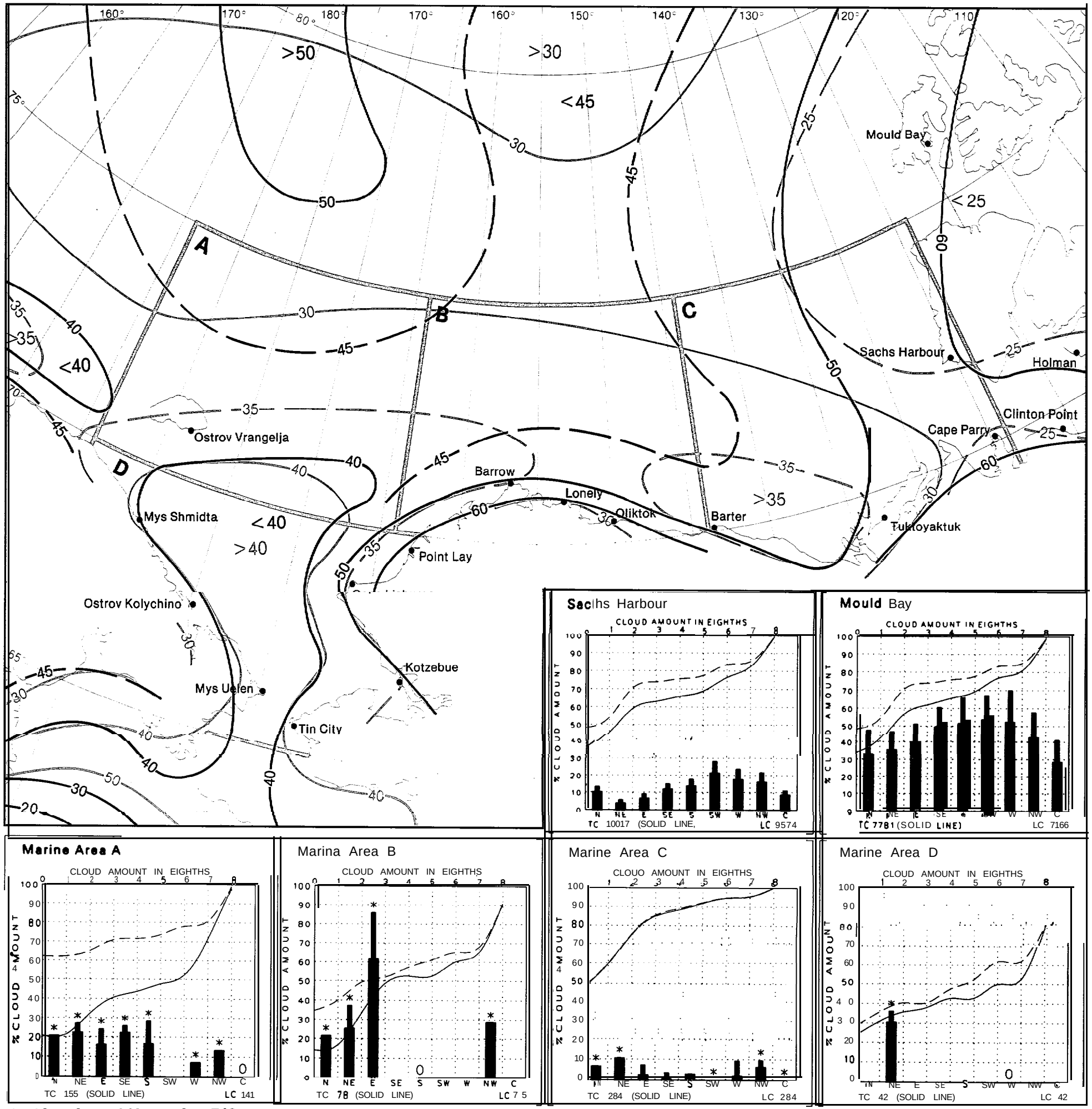


TC 4240 (SOLID LINE) LC 3907

Holman



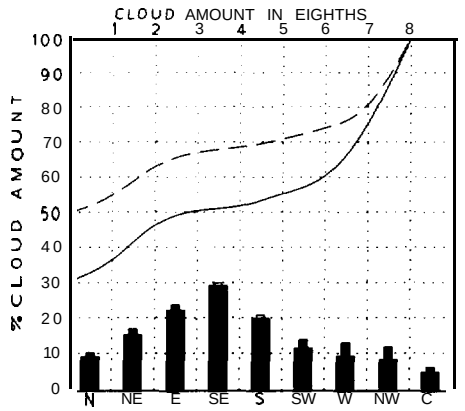
TC 2934 (SOLID LINE) LC 2739



6 Clouds ≦2/8 and ≧5/8

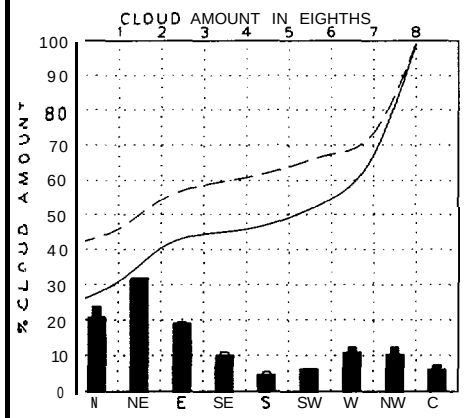
February

Ostrov Vrangelja



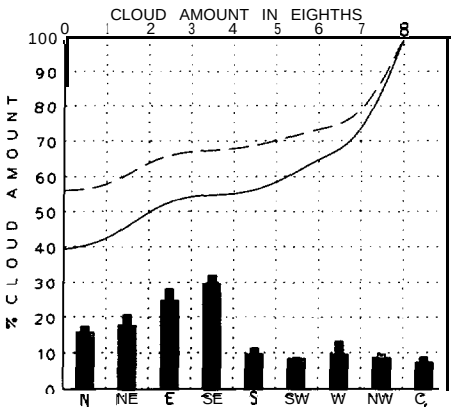
TC 4430 (SOLID LINE) LC 4404

Mys Shmidta



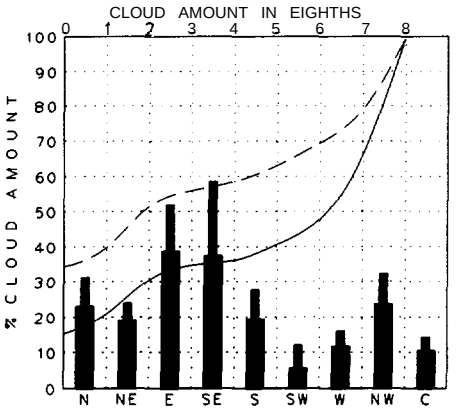
TC 4927 (SOLID LINE) LC 4907

Ostrov Kolychino



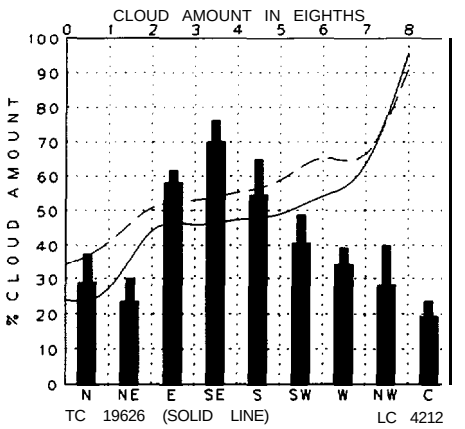
TC 3040 (SOLID LINE) LC 3021

Mys Uelen



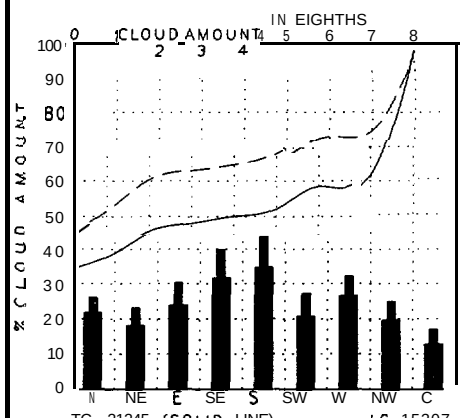
TC 4900 (SOLID LINE) LC 4878

Tin City



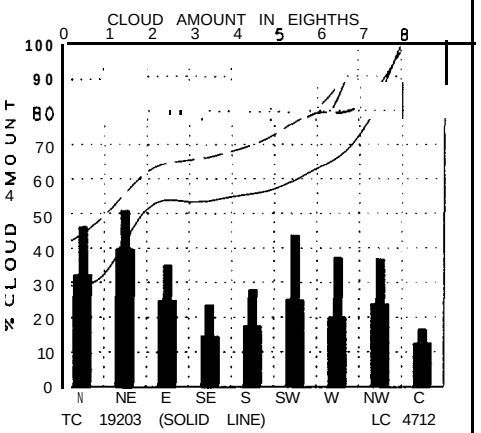
TC 19626 (SOLID LINE) LC 4212

Kotzebue



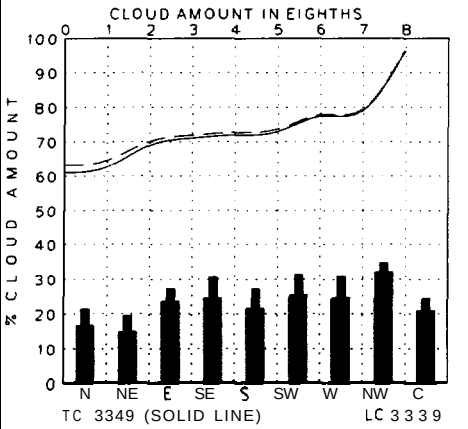
TC 21245 (SOLID LINE) LC 15307

Cape Lisburne



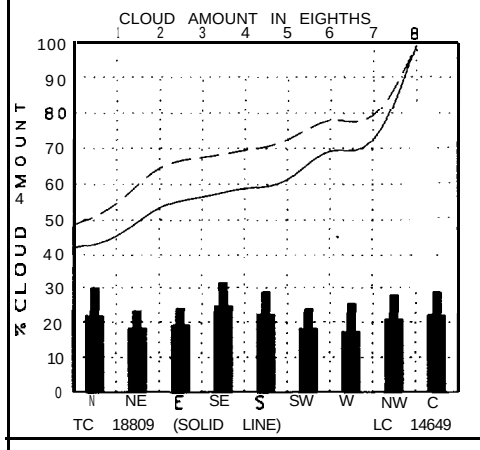
TC 19203 (SOLID LINE) LC 4712

Point Lay



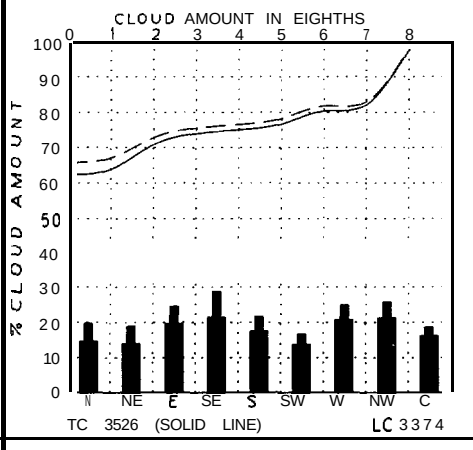
TC 3349 (SOLID LINE) LC 3339

Barrow



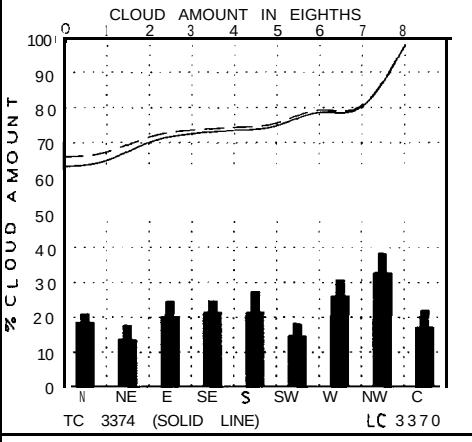
TC 18809 (SOLID LINE) LC 14649

Lonely



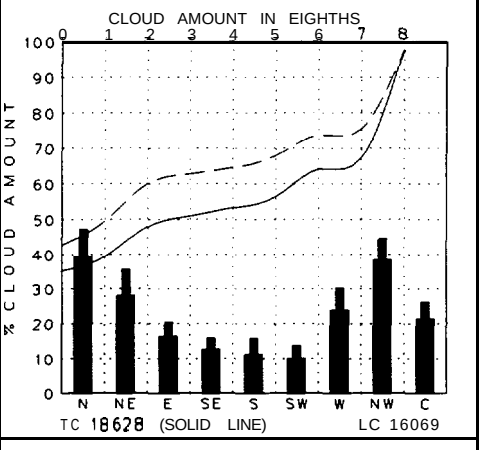
TC 3526 (SOLID LINE) LC 3374

Oliktok



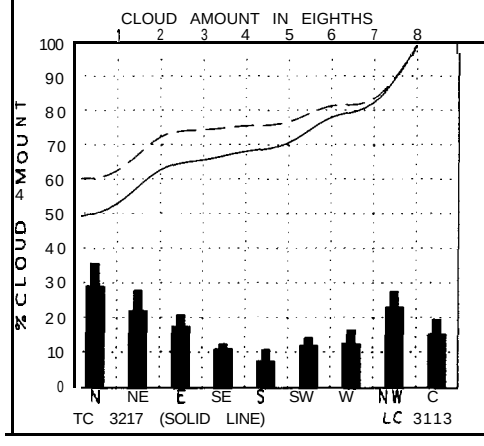
TC 3374 (SOLID LINE) LC 3370

Barter



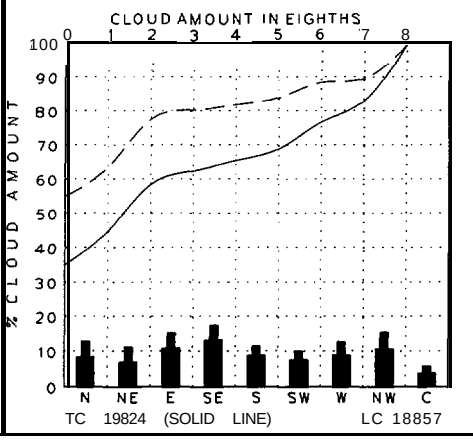
TC 18628 (SOLID LINE) LC 16069

Tuktoyaktuk



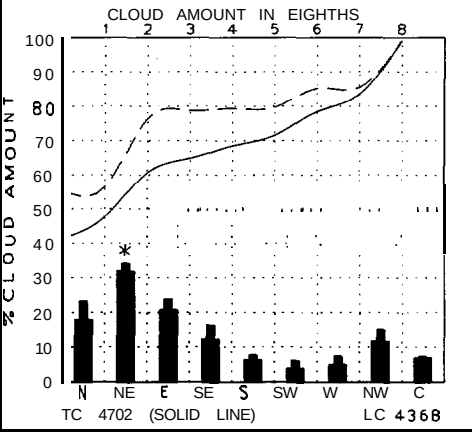
TC 3217 (SOLID LINE) LC 3113

Cape Parry



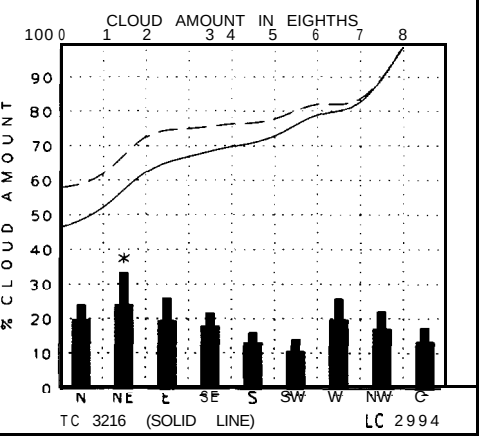
TC 19824 (SOLID LINE) LC 18857

Clinton Point

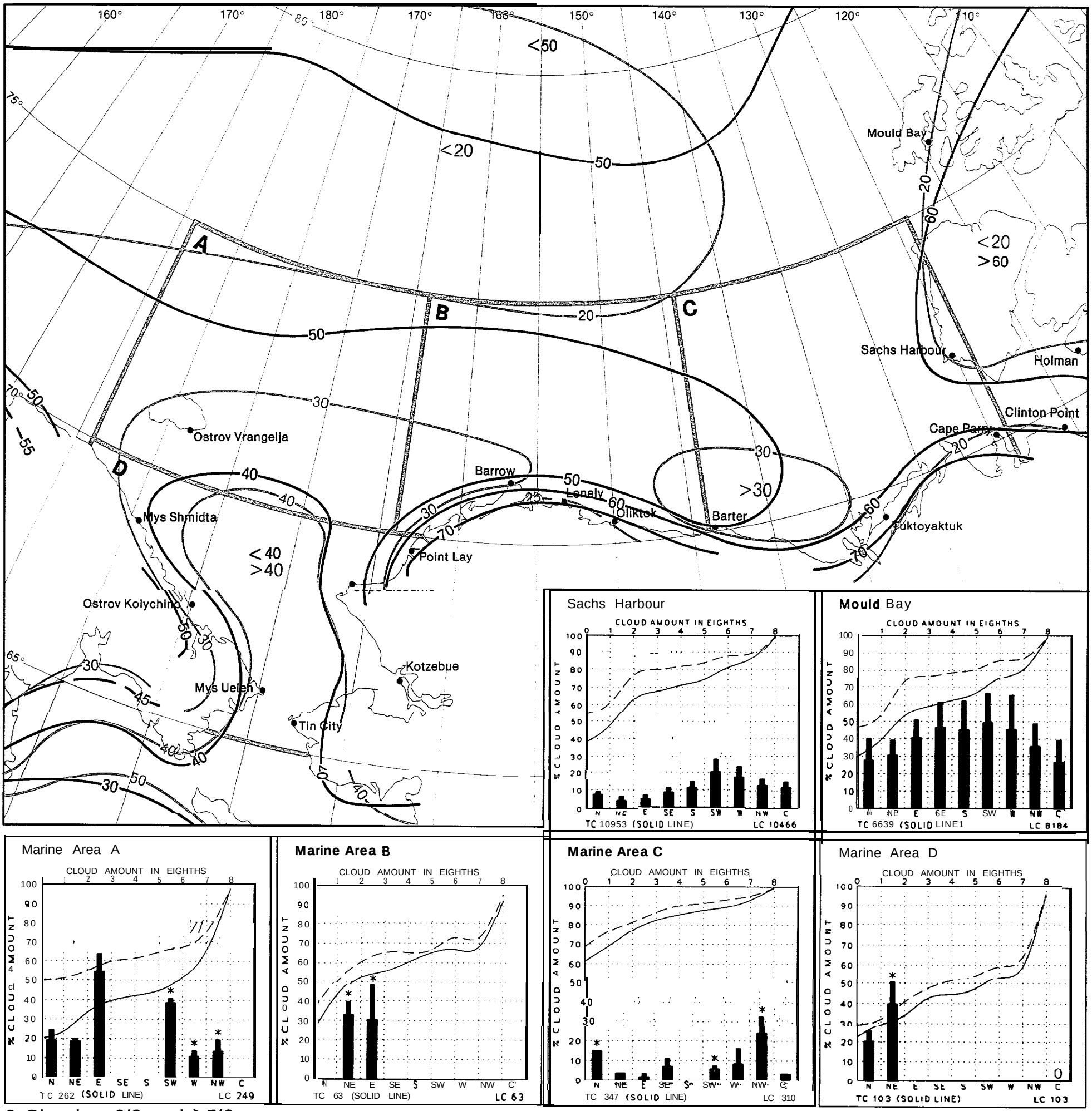


TC 4702 (SOLID LINE) LC 4368

Holman



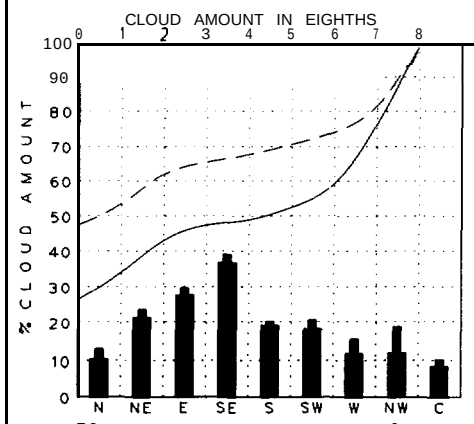
TC 3216 (SOLID LINE) LC 2994



6 Clouds ≦**2/8** and ≧**5/8**

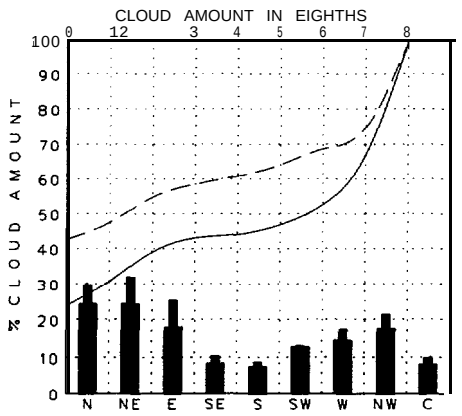
March

Ostrov Vrangelja



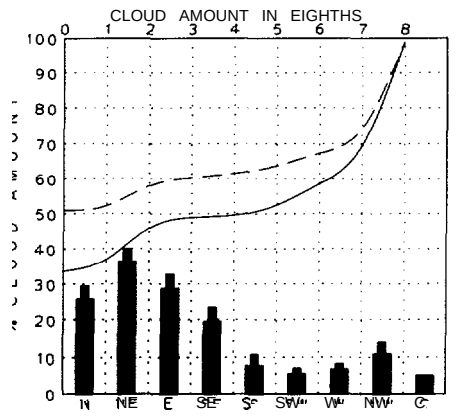
TC 4467 (SOLID LINE) LC 4449

Mys Shmidta



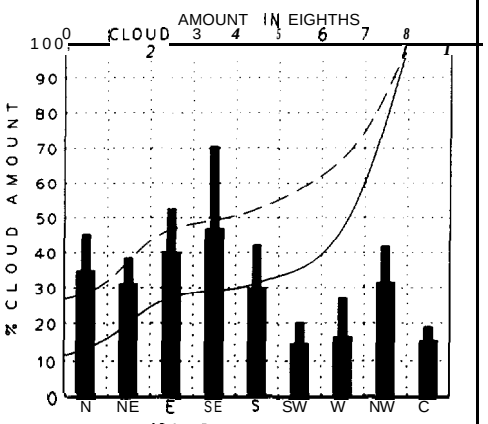
TC 4712 (SOLID LINE) LC 4680

Ostrov Kolychino



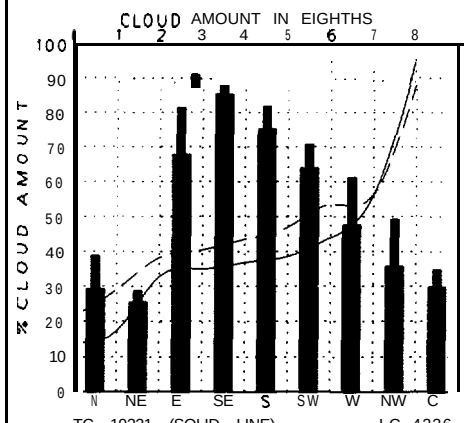
TC 2793 (SOLID LINE) LC 2764

My.9 Uelen



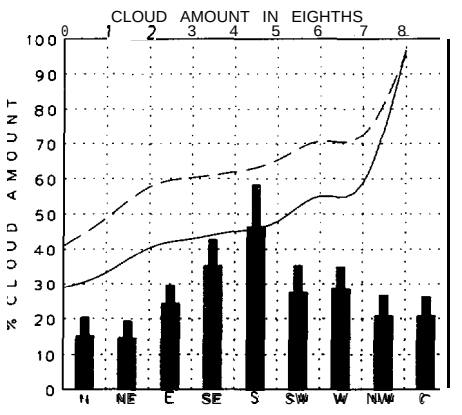
TC 4696 (SOLID LINE) LC 4674

Tin City



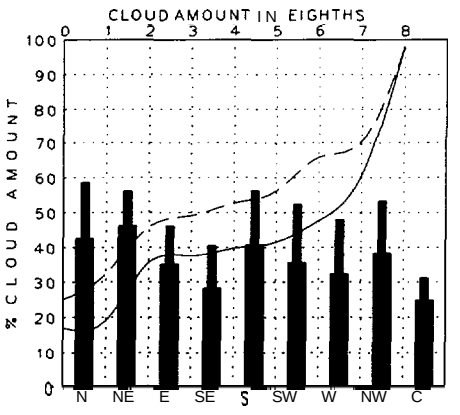
TC 19321 (SOLID LINE) LC 4236

Kotzebue



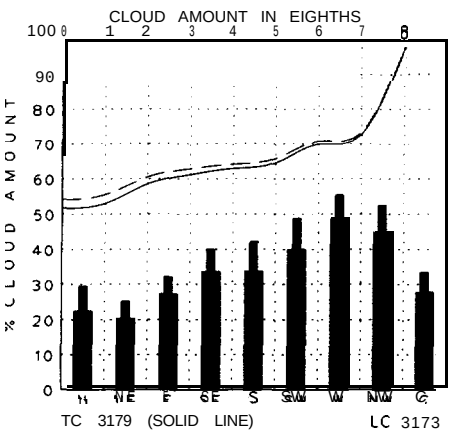
TC 20568 (SOLID LINE) LC 14889

Cape Lisburne



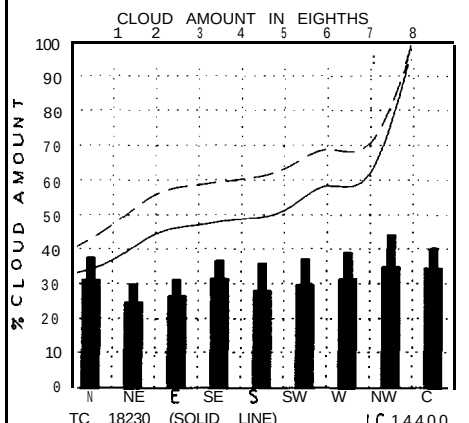
TC 19188 (SOLID LINE) LC 4500

Point Lay



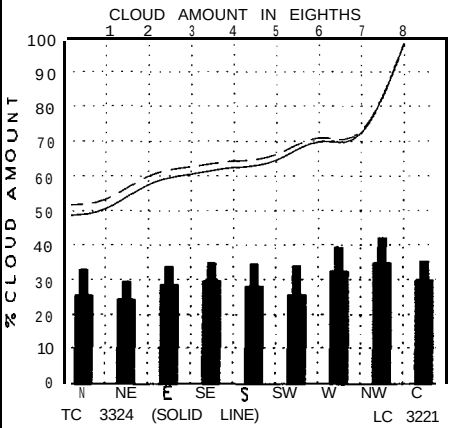
TC 3179 (SOLID LINE) LC 3173

Barrow



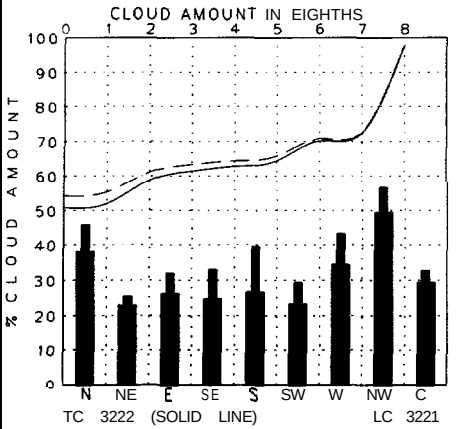
TC 18230 (SOLID LINE) LC 14400

Lonely



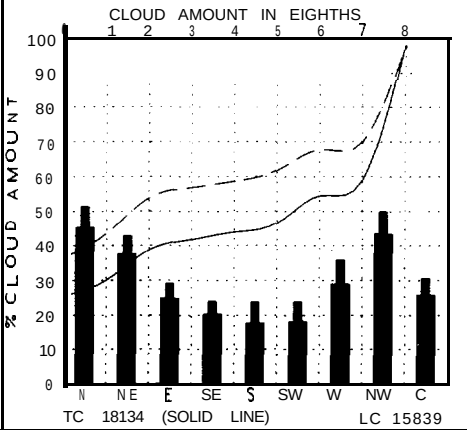
TC 3324 (SOLID LINE) LC 3221

Oliktok



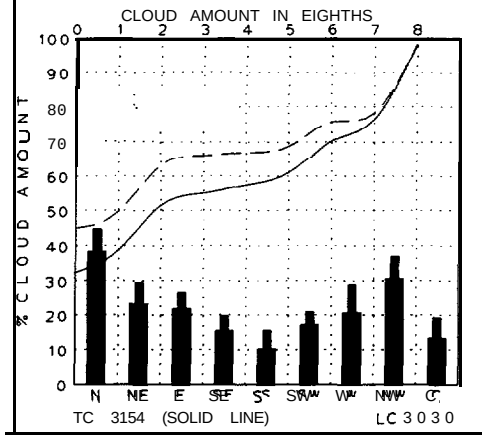
TC 3222 (SOLID LINE) LC 3221

Barter



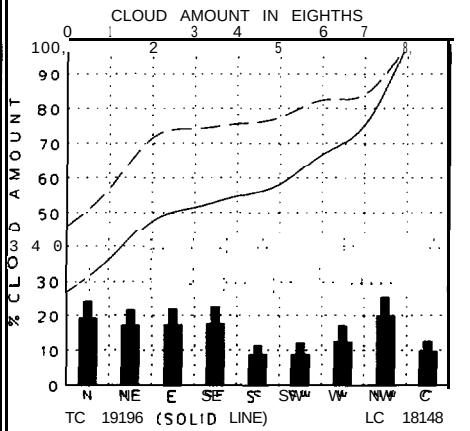
TC 18134 (SOLID LINE) LC 15839

Tuktoyaktuk



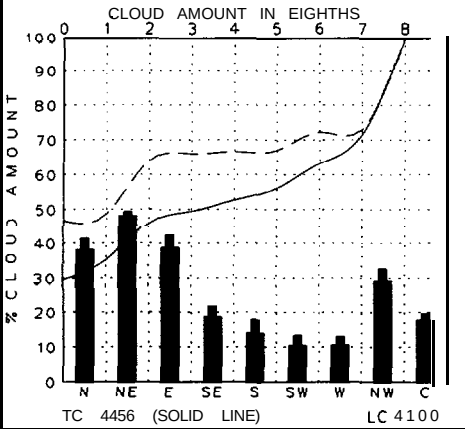
TC 3154 (SOLID LINE) LC 3030

Cape Parry



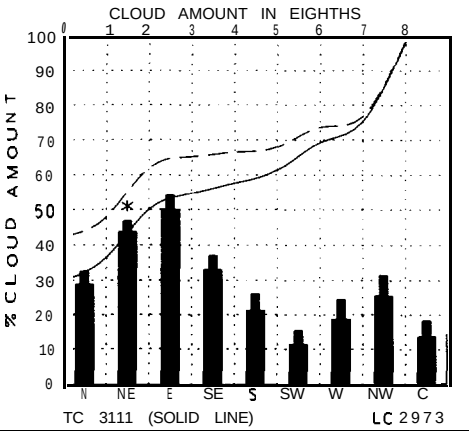
TC 19196 (SOLID LINE) LC 18148

Clinton Point

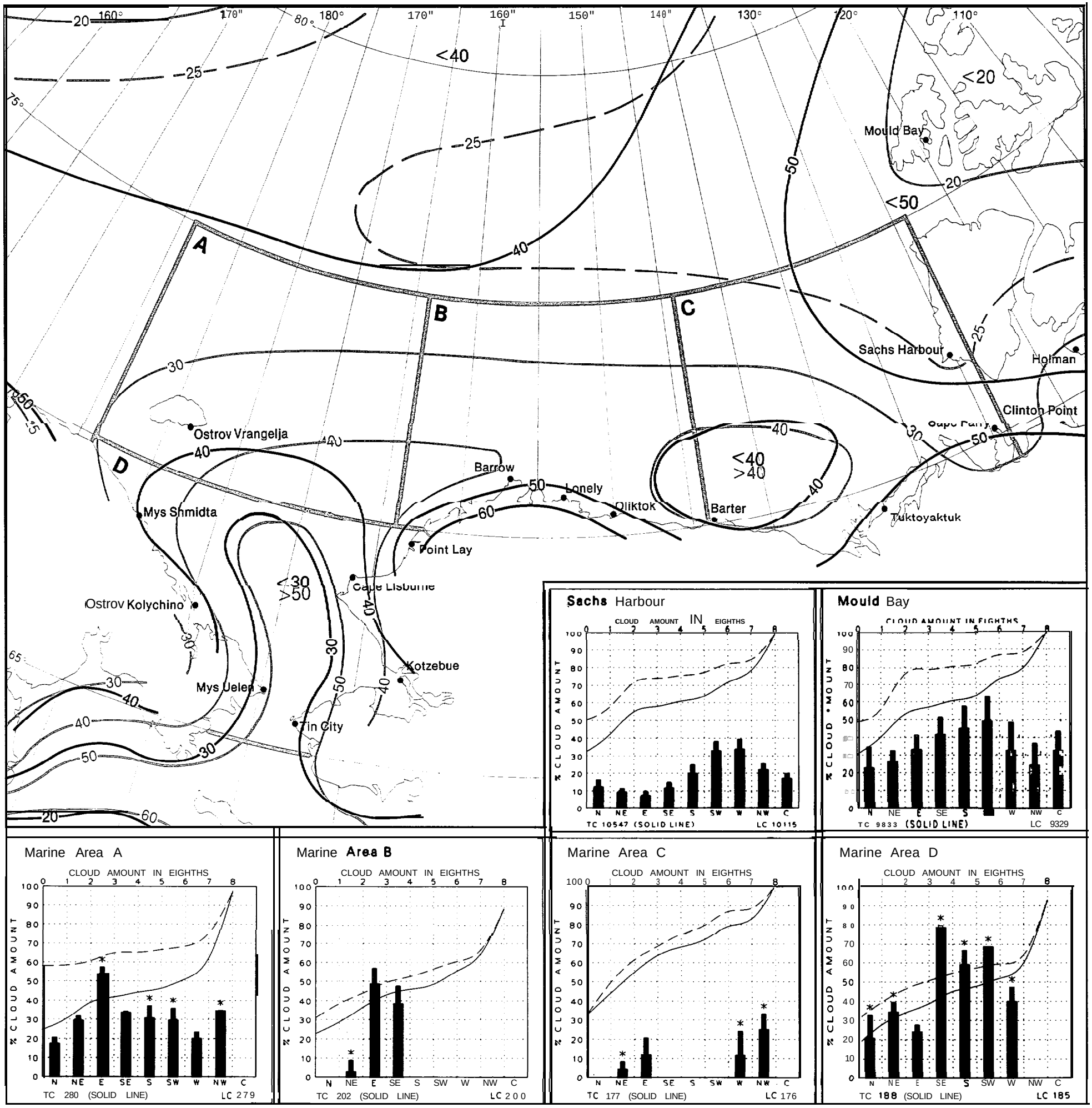


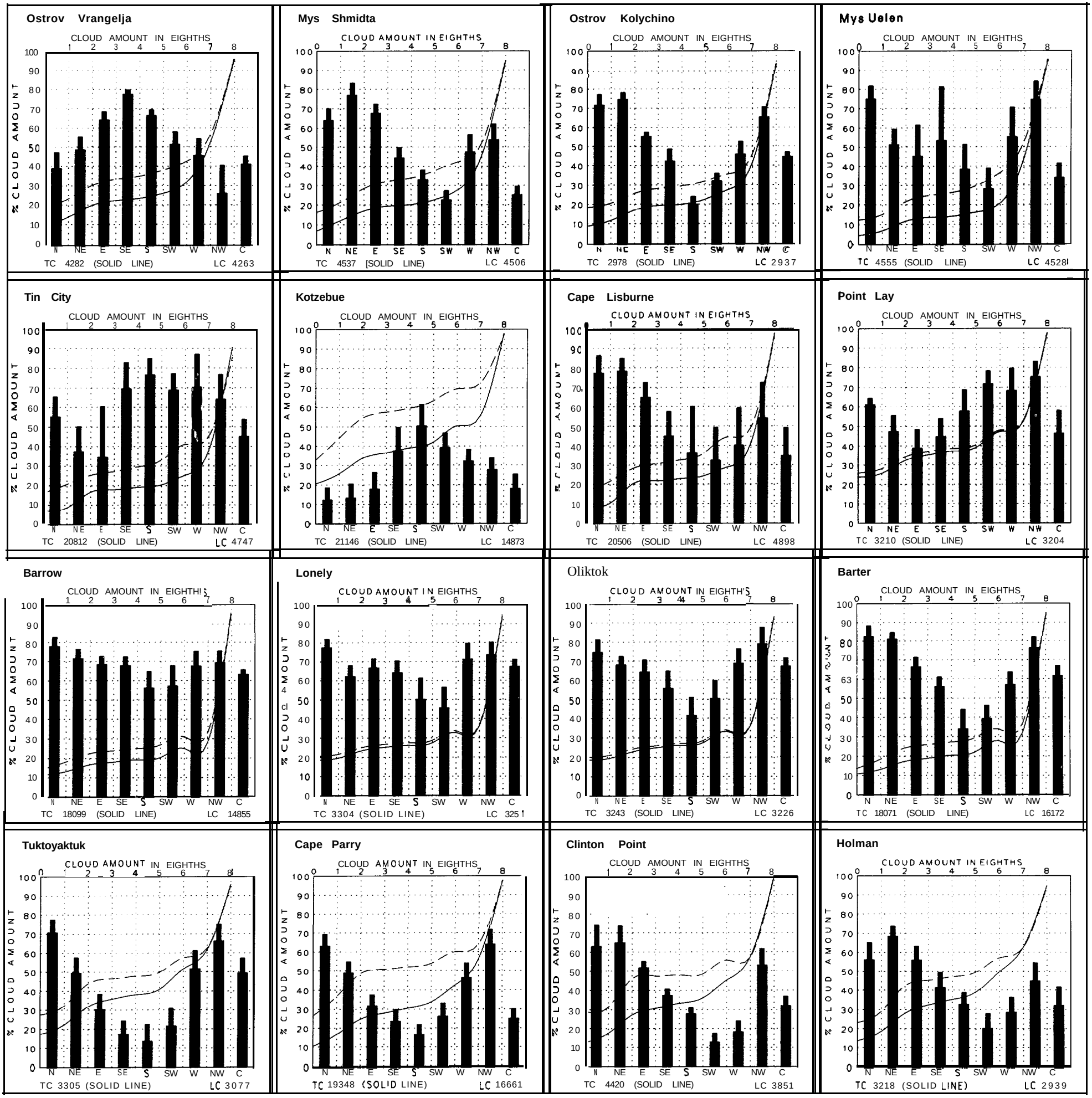
TC 4456 (SOLID LINE) LC 4100

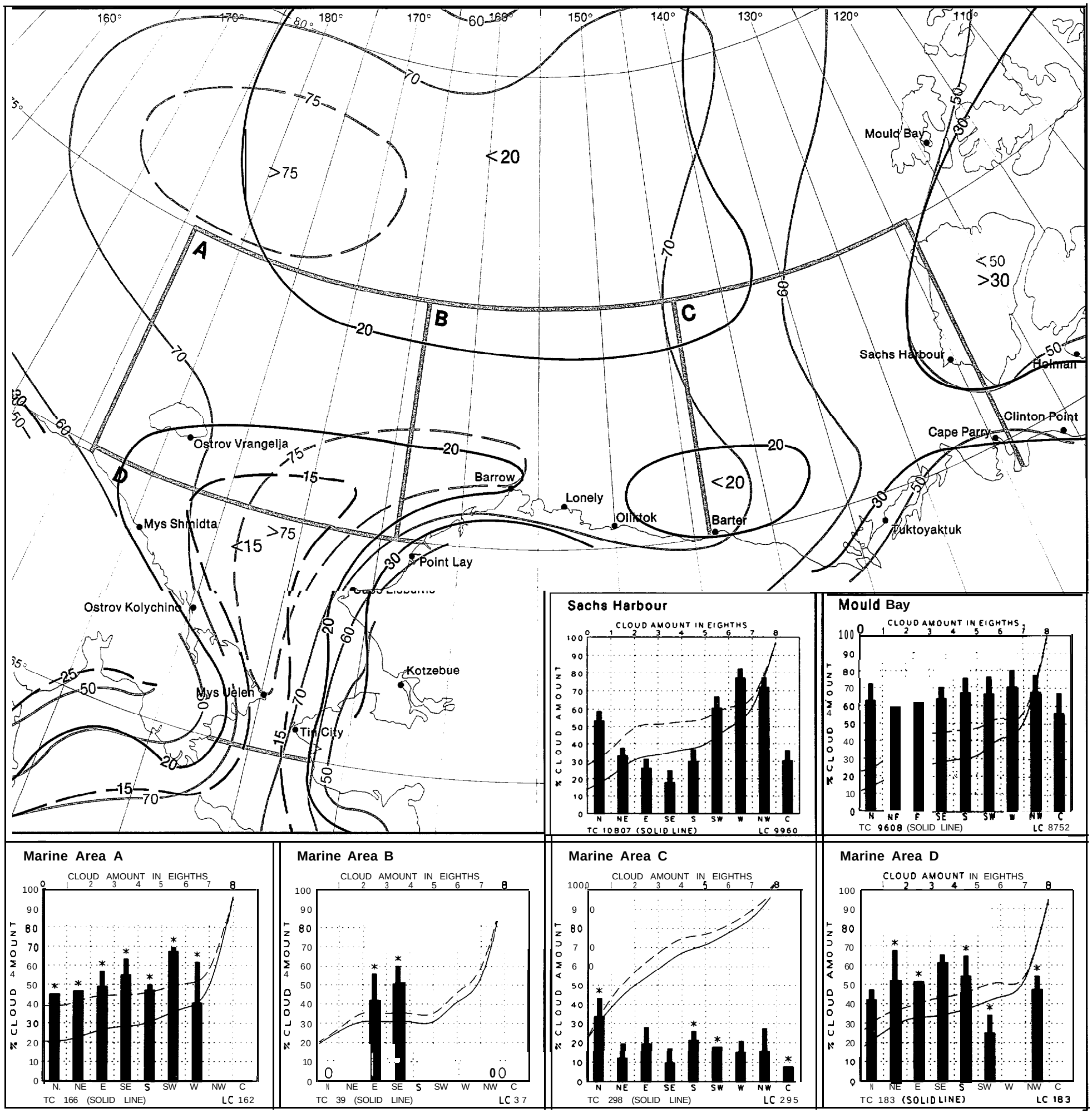
Holman



TC 3111 (SOLID LINE) LC 2973

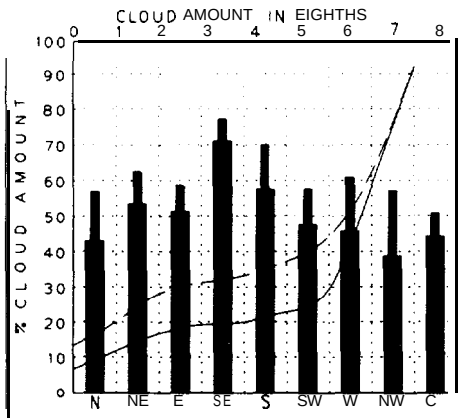

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
TC 10547 (SOLID LINE)
LC 10115
Mould Bay
TC 9833 (SOLID LINE)
LC 9329
Marine Area A
TC 280 (SOLID LINE)
LC 279
Marine Area B
TC 202 (SOLID LINE)
LC 200
Marine Area C
TC 177 (SOLID LINE)
LC 176
Marine Area D
TC 188 (SOLID LINE)
LC 185


Ostrov Vrangelja
TC 4282 (SOLID LINE) LC 4263
Mys Shmidta
TC 4537 [SOLID LINE) LC 4506
Ostrov Kolychino
TC 2978 (SOLID LINE) LC 2937
Mys Uelen
TC 4555 (SOLID LINE) LC 4528I
Tin City
TC 20812 (SOLID LINE) LC 4747
Kotzebue
TC 21146 (SOLID LINE) LC 14873
Cape Lisburne
TC 20506 (SOLID LINE) LC 4898
Point Lay
TC 3210 (SOLID LINE) LC 3204
Barrow
TC 18099 (SOLID LINE) LC 14855
Lonely
TC 3304 (SOLID LINE) LC 325 1
Oliktok
TC 3243 (SOLID LINE) LC 3226
Barter
TC 18071 (SOLID LINE) LC 16172
Tuktoyaktuk
TC 3305 (SOLID LINE) LC 3077
Cape Parry
TC 19348 (SOLID LINE) LC 16661
Clinton Point
TC 4420 (SOLID LINE) LC 3851
Holman
TC 3218 (SOLID LINE) LC 2939
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C



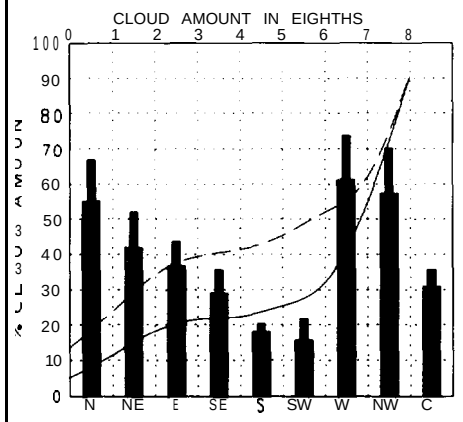
6 Clouds ≦2/8 and ≧5/8 **May**

Ostrov Vrangelja



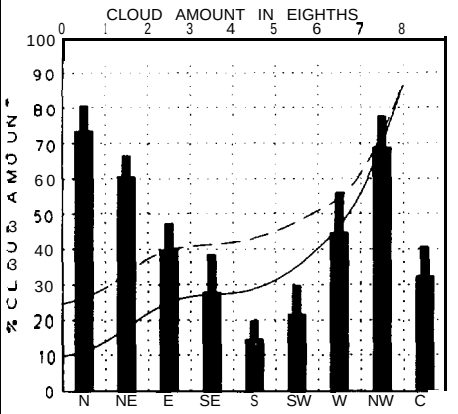
TC 4319 (SOLID LINE) LC 4290

Mys Shmidta



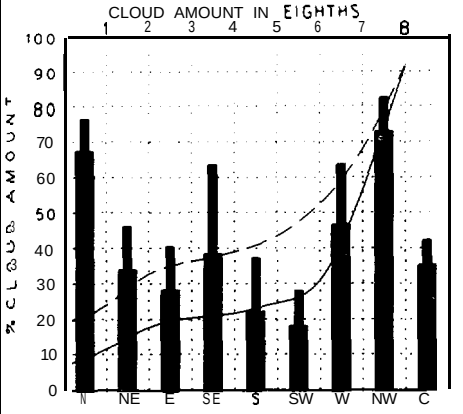
TC 4557 (SOLID LINE) LC 4530

Ostrov Kolychino



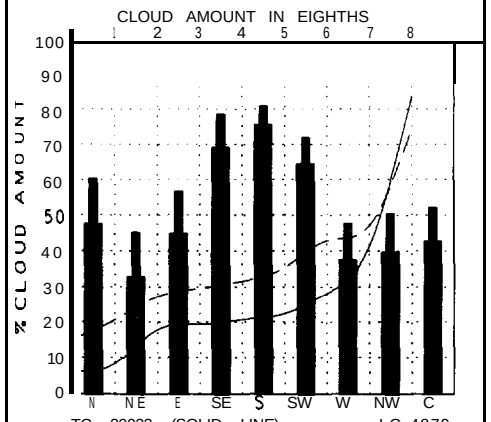
TC 2823 (SOLID LINE) LC 2784

Mys Uelen



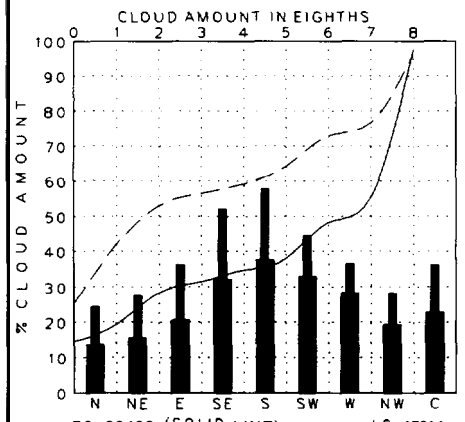
TC 4505 (SOLID LINE) LC 4470

Tin City



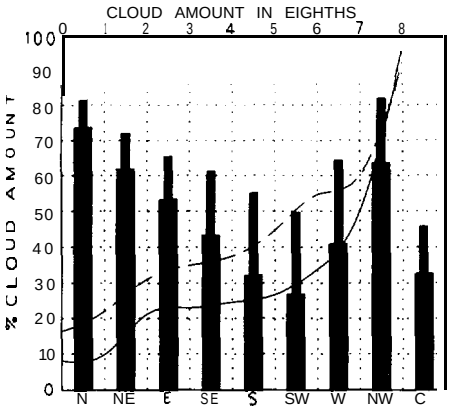
TC 20023 (SOLID LINE) LC 4879

Kotzebue



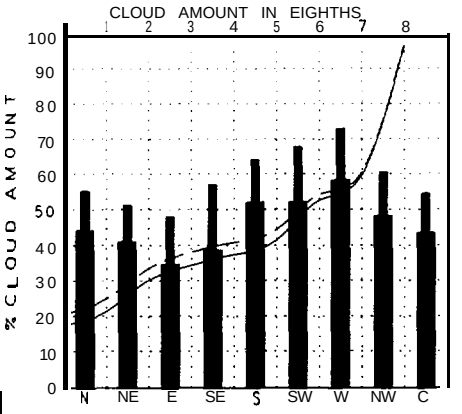
TC 20492 (SOLID LINE) LC 15014

Cape Lisburne



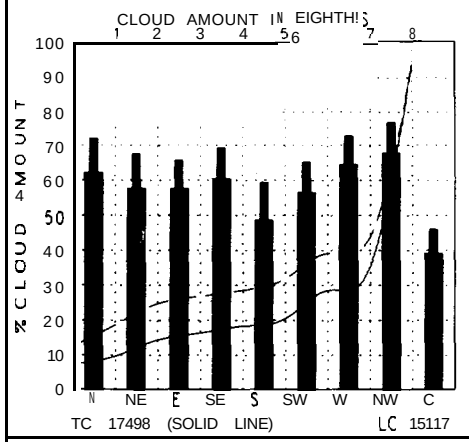
TC 19423 (SOLID LINE) LC 4675

Point Lay



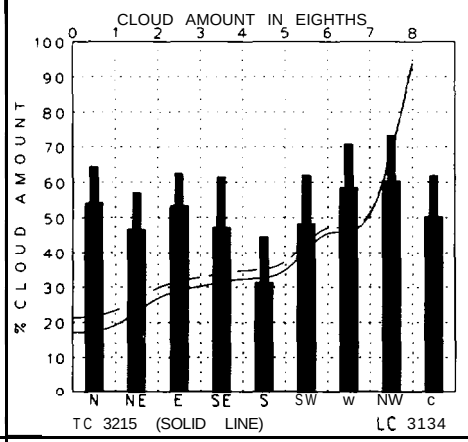
TC 3141 (SOLID LINE) LC 3136

Barrow



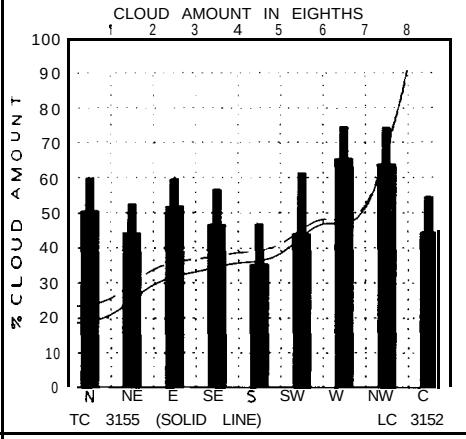
TC 17498 (SOLID LINE) LC 15117

Lonely



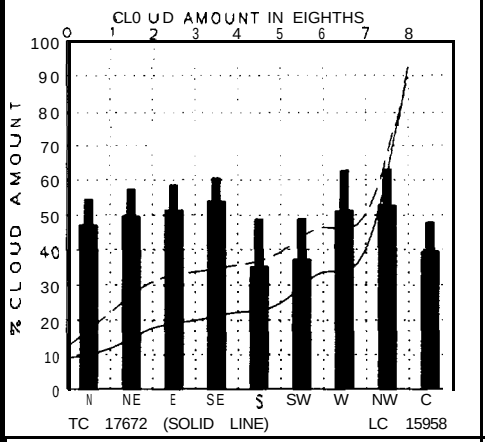
TC 3215 (SOLID LINE) LC 3134

Oliktok



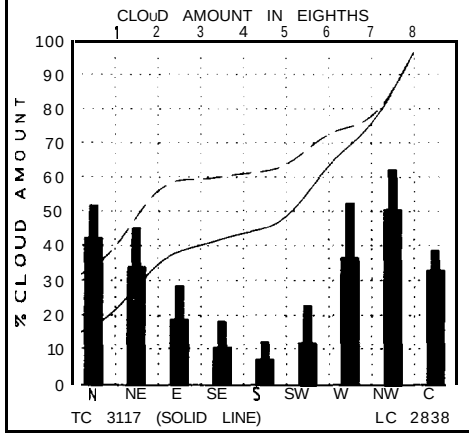
TC 3155 (SOLID LINE) LC 3152

Barter



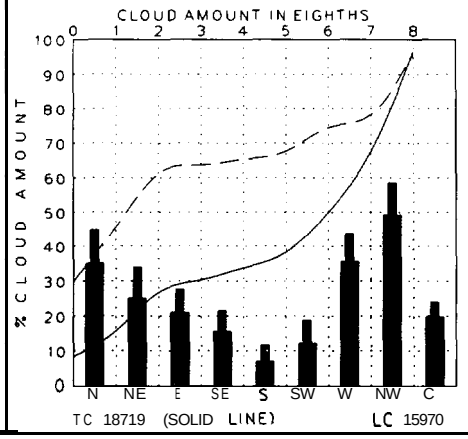
TC 17672 (SOLID LINE) LC 15958

Tuktoyaktuk



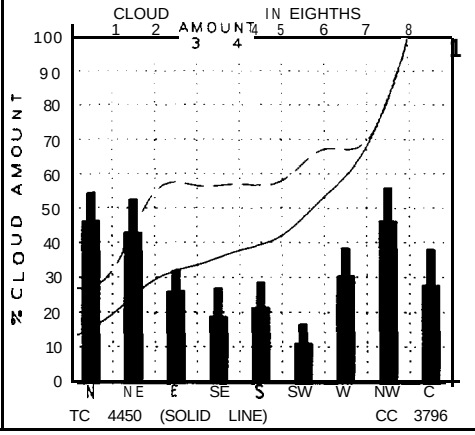
TC 3117 (SOLID LINE) LC 2838

Cape Parry



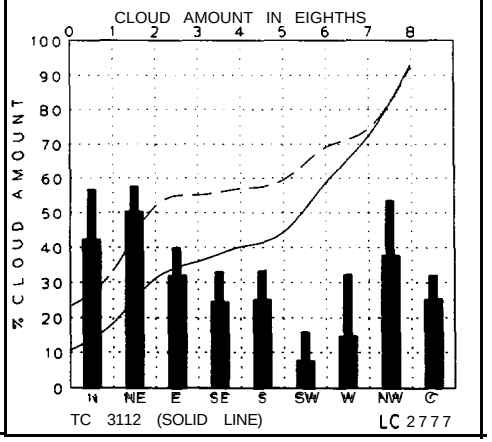
TC 18719 (SOLID LINE) LC 15970

Clinton Point

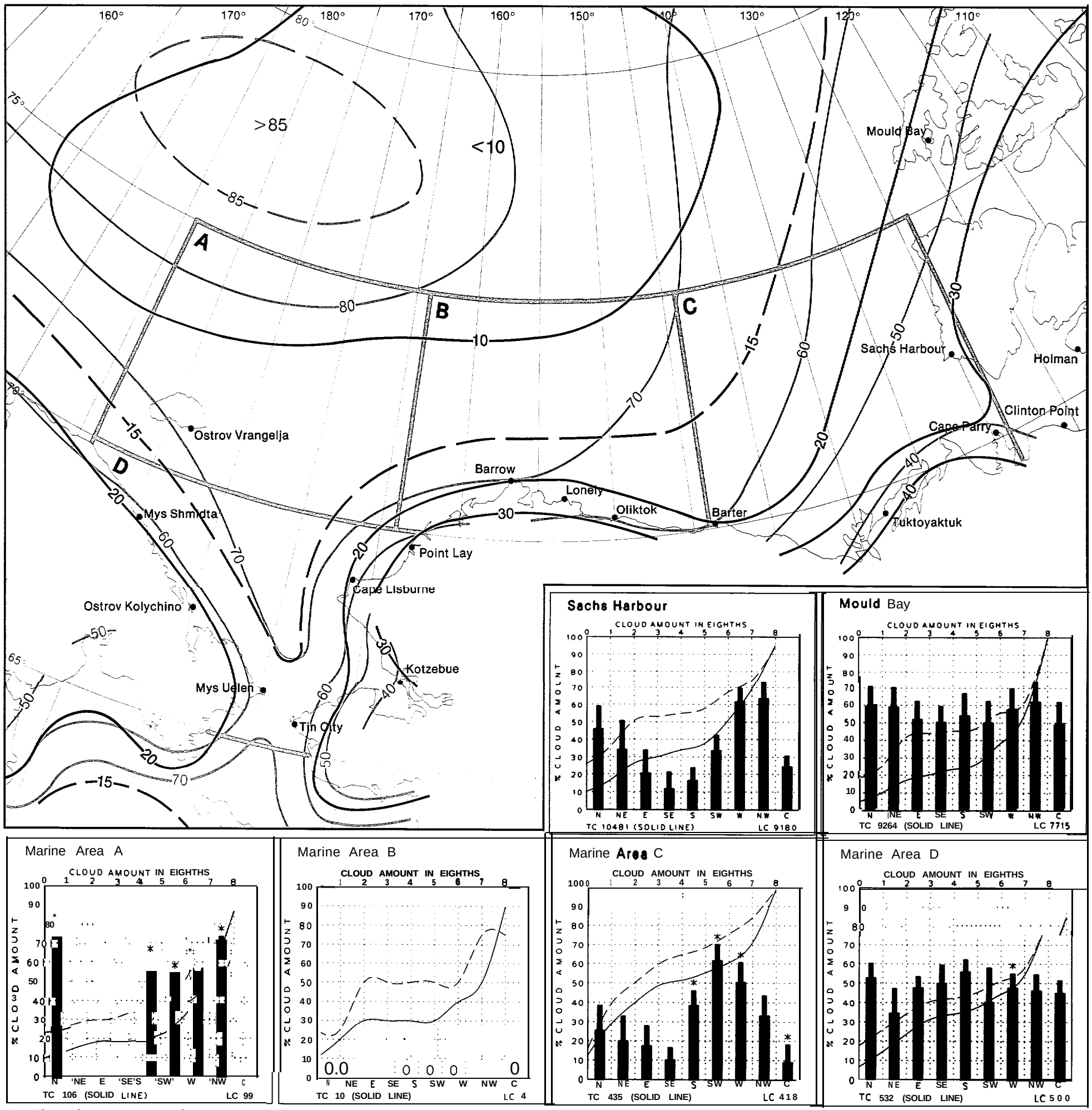


TC 4450 (SOLID LINE) CC 3796

Holman

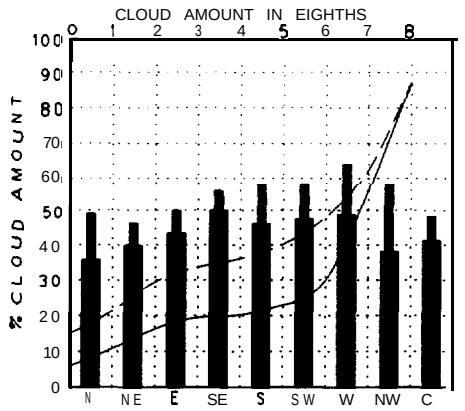


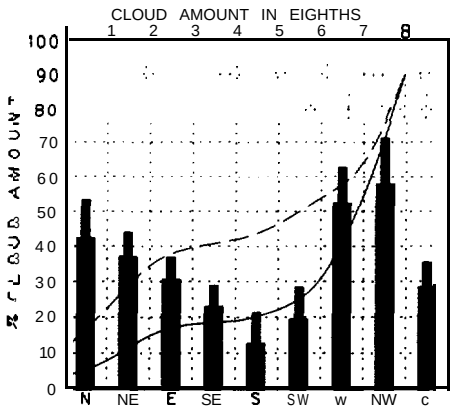
TC 3112 (SOLID LINE) LC 2777

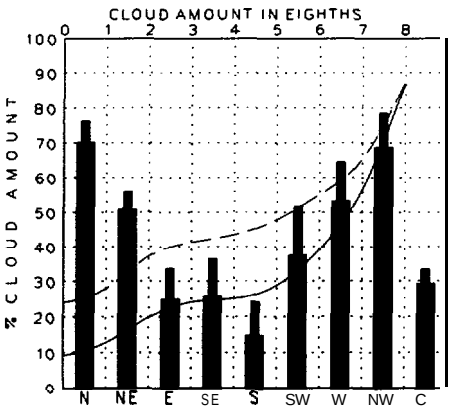


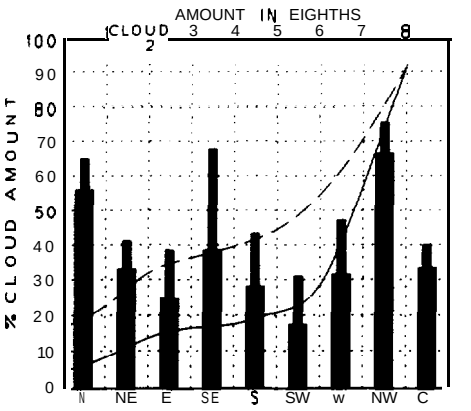
6 Clouds ≦2/8 and ≧5/8

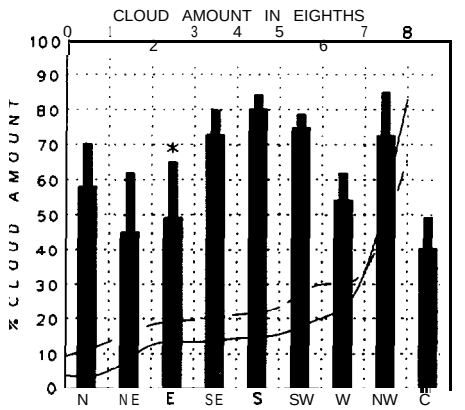
June

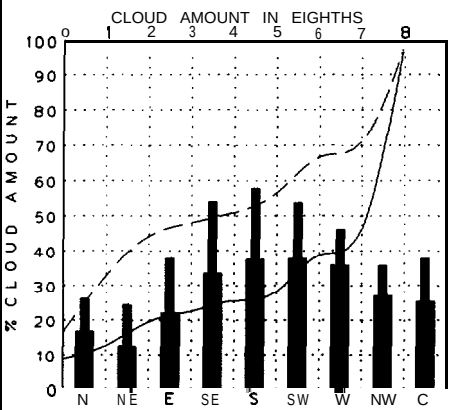

Ostrov Vrangelja
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4279 (SOLID LINE)
LC 4249

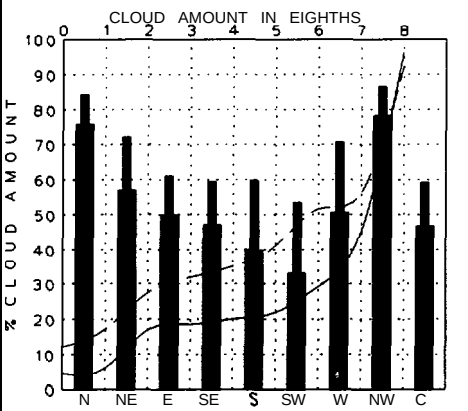

Mys Shmidta
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4531 (SOLID LINE)
LC 4499

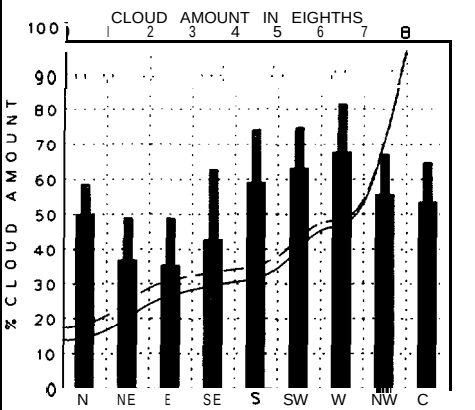

Ostrov Kolychino
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 2618 (SOLID LINE)
LC 2581

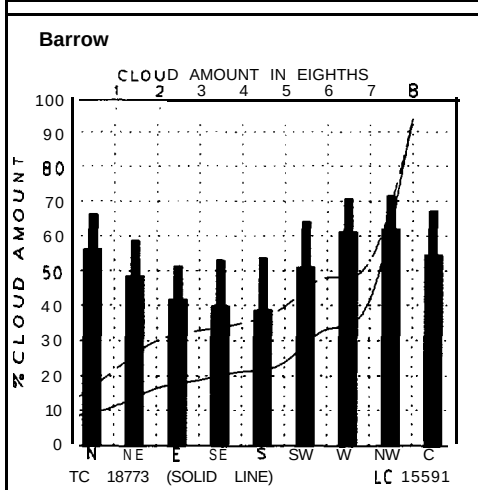

Mys Uelen
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4519 (SOLID LINE)
LC 4494

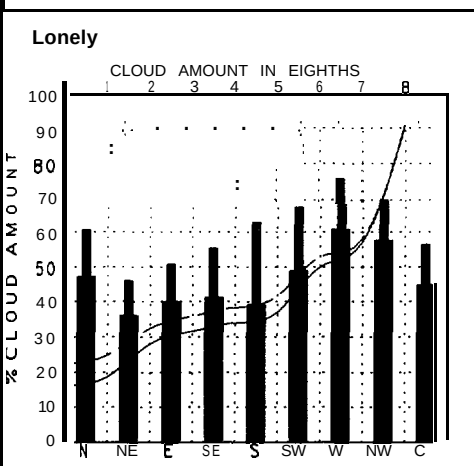

Tin City
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 20721 (SOLID LINE)
LC 4758

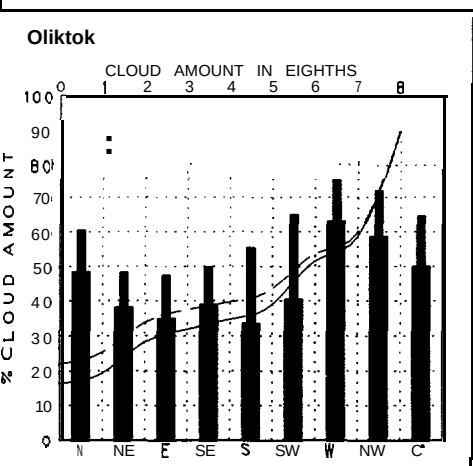

Kotzebue
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 21126 (SOLID LINE)
LC 15385

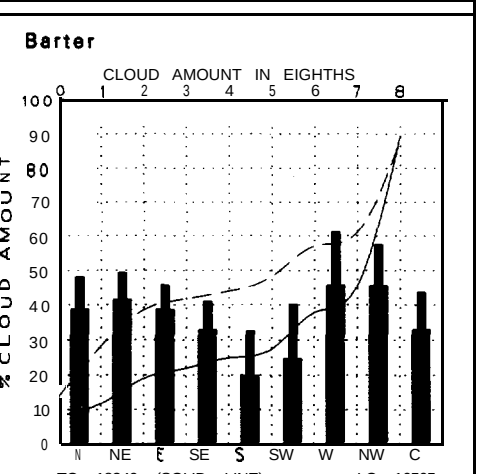

Cape Lisburne
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19451 (SOLID LINE)
LC 4459

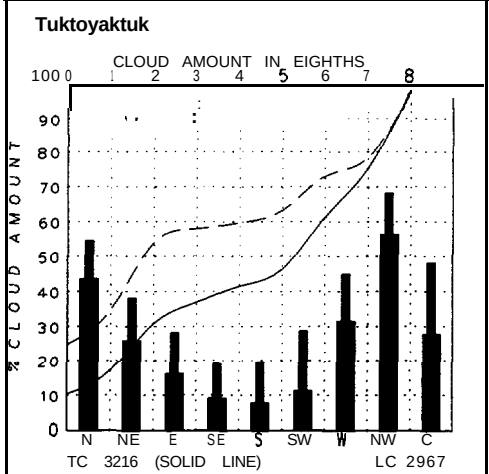

Point Lay
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3037 (SOLID LINE)
LC 3033

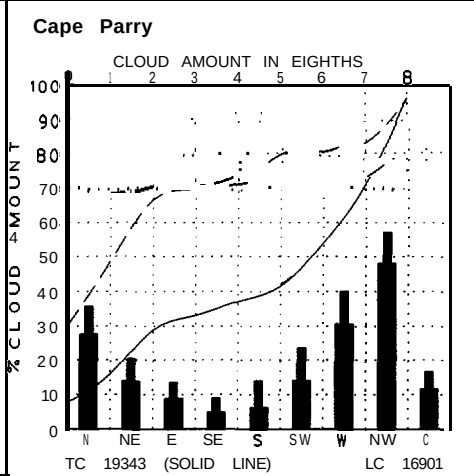

Barrow
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18773 (SOLID LINE)
LC 15591

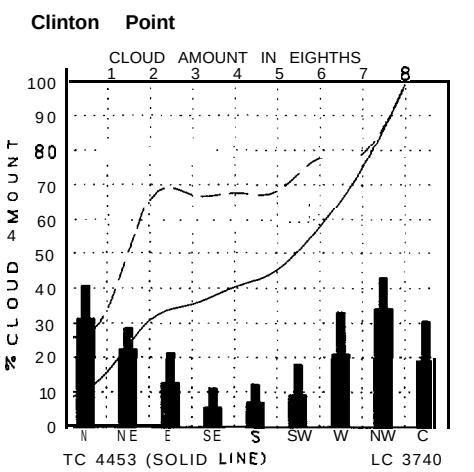

Lonely
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3179 (SOLID LINE)
LC 3098

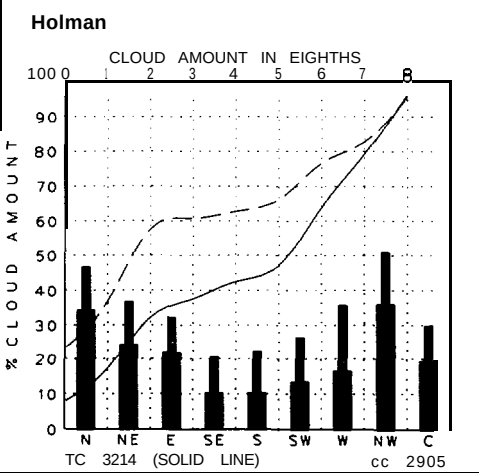

Oliktok
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3073 (SOLID LINE)
LC 3063

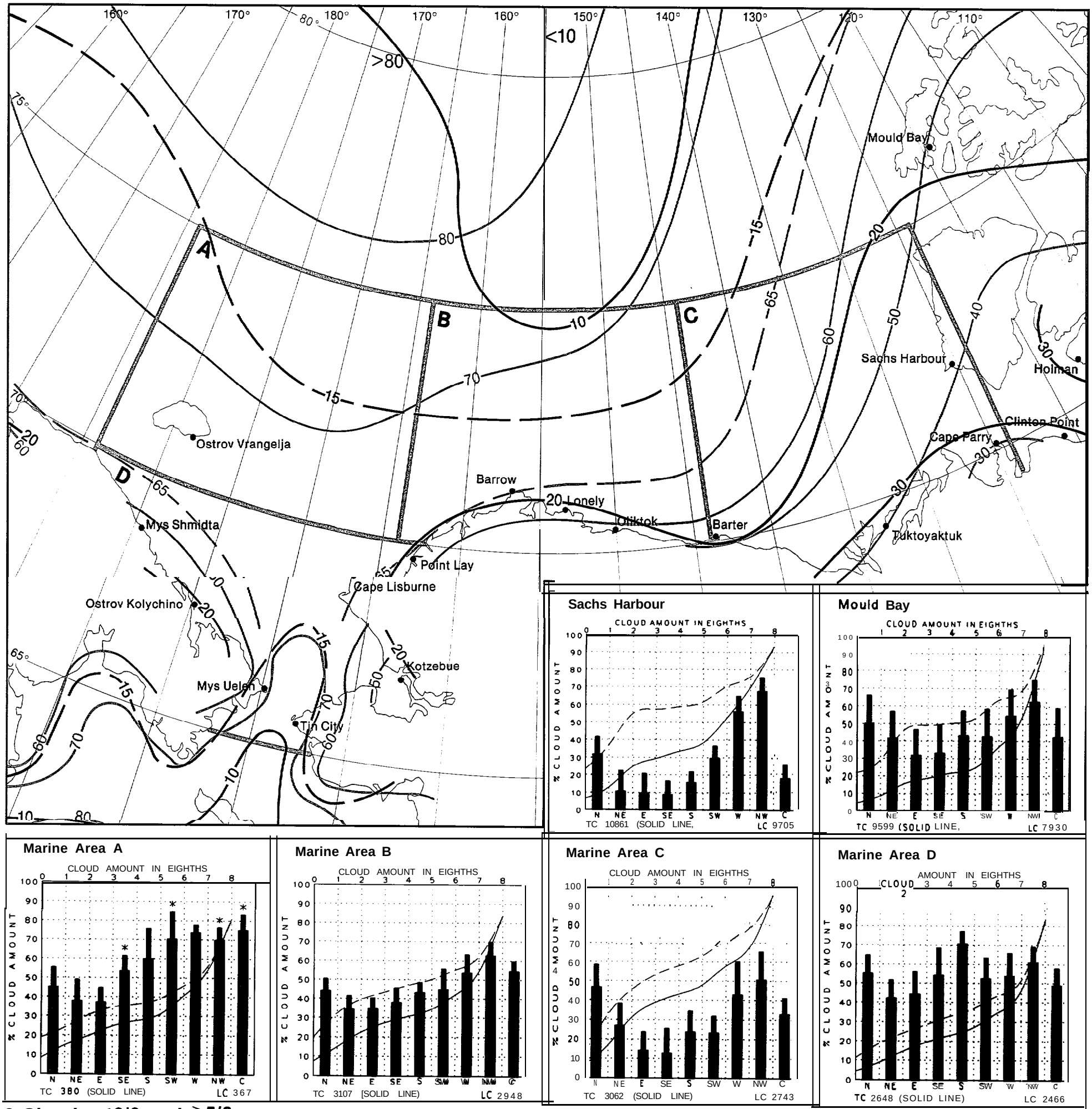

Barter
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18349 (SOLID LINE)
LC 16565


Tuktoyaktuk
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3216 (SOLID LINE)
LC 2967


Cape Parry
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19343 (SOLID LINE)
LC 16901

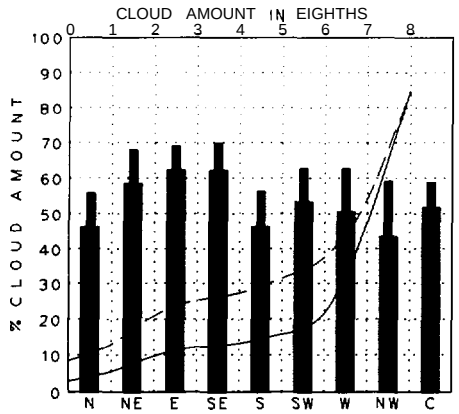

Clinton Point
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4453 (SOLID LINE)
LC 3740


Holman
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3214 (SOLID LINE)
cc 2905



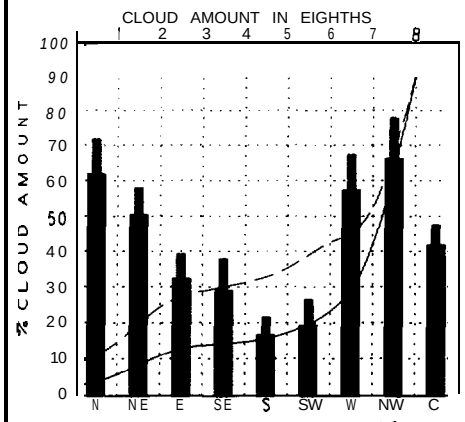
6 Clouds ≦2/8 and ≧5/8

Ostrov Vrangelja



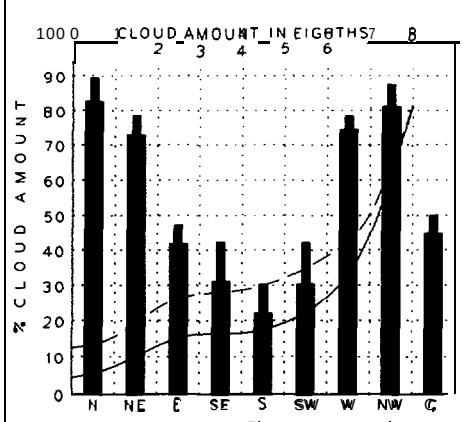
TC 4282 (SOLID LINE) LC 4260

Mys Shmidta



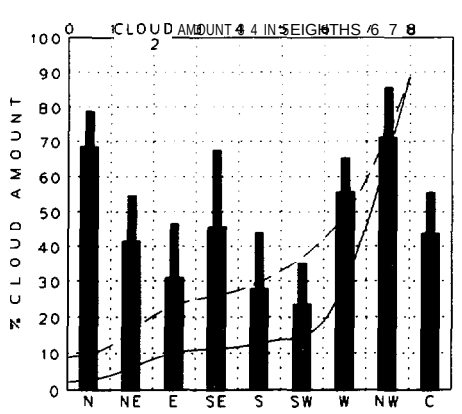
TC 4579 (SOLID LINE) LC 4558

Ostrov Kolychino



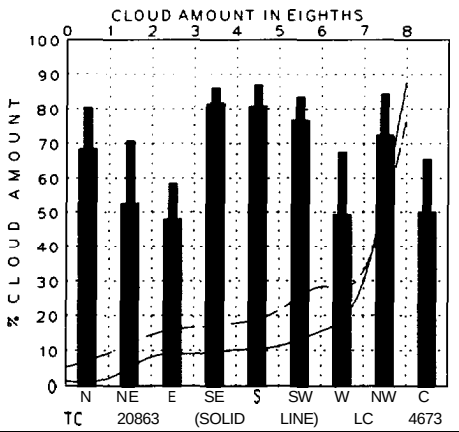
TC 2571 (SOLID LINE) LC 2539

Mys Uelen



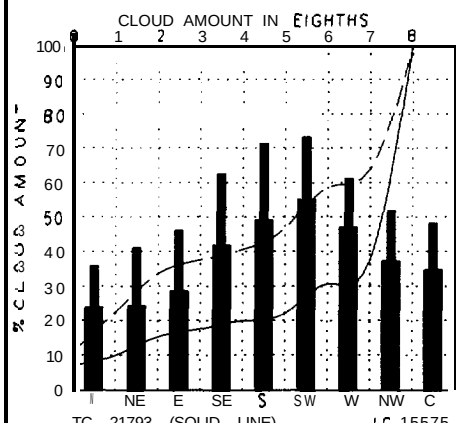
TC 4549 (SOLID LINE) LC 4533

Tin City



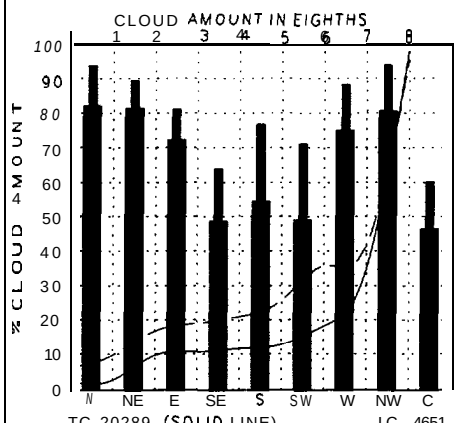
TC 20863 (SOLID LINE) LC 4673

Kotrebue



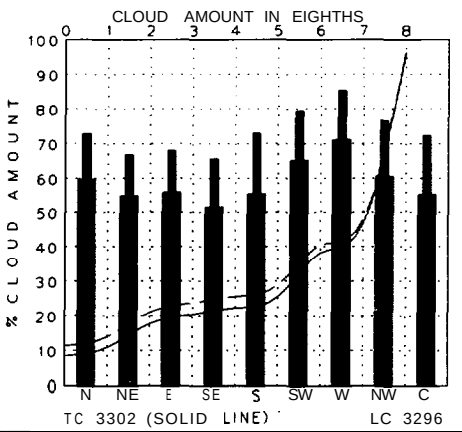
TC 21793 (SOLID LINE) LC 15575

Cape Lisburne



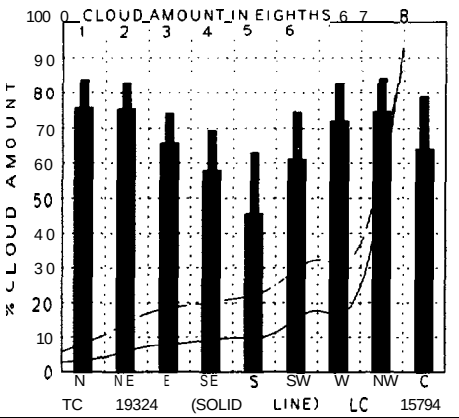
TC 20289 (SOLID LINE) LC 4651

Point Lay



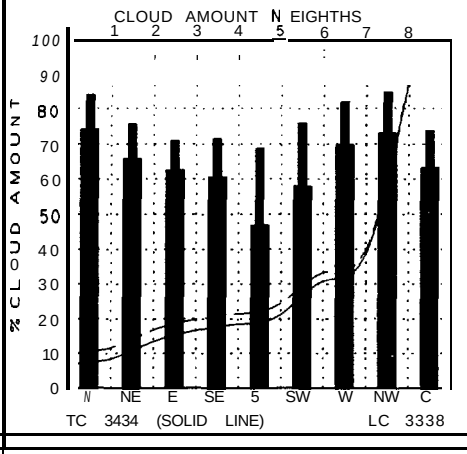
TC 3302 (SOLID LINE) LC 3296

Barrow



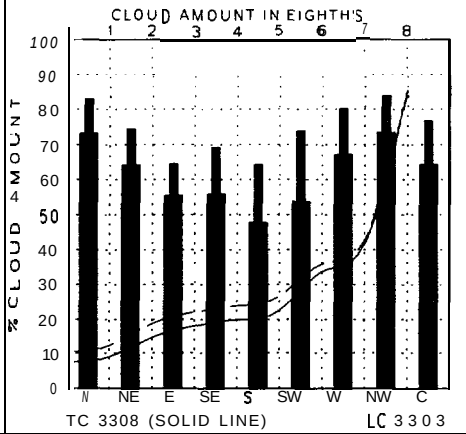
TC 19324 (SOLID LINE) LC 15794

Lonely



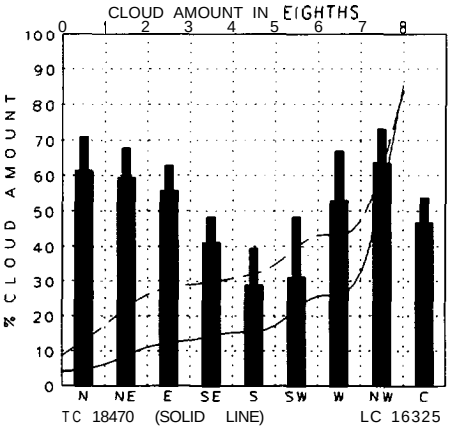
TC 3434 (SOLID LINE) LC 3338

Oliktok



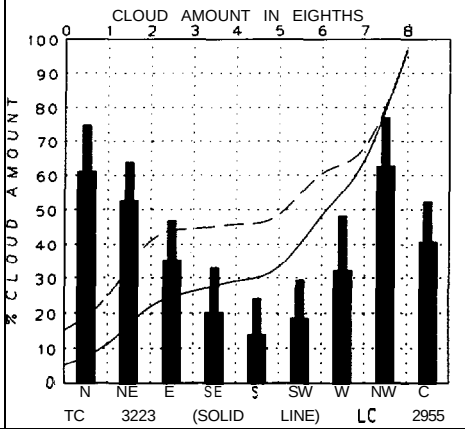
TC 3308 (SOLID LINE) LC 3303

Barter



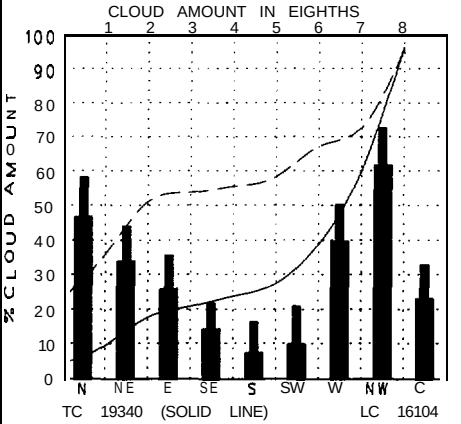
TC 18470 (SOLID LINE) LC 16325

Tuktoyaktuk



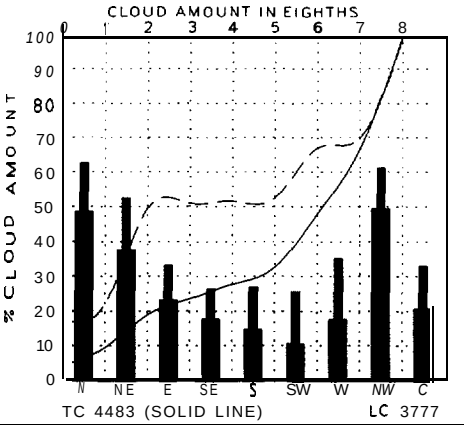
TC 3223 (SOLID LINE) LC 2955

Cape Parry



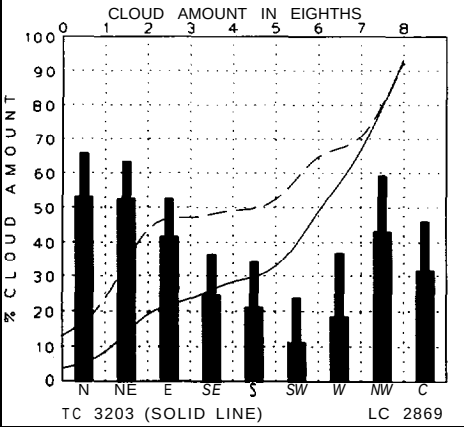
TC 19340 (SOLID LINE) LC 16104

Clinton Point

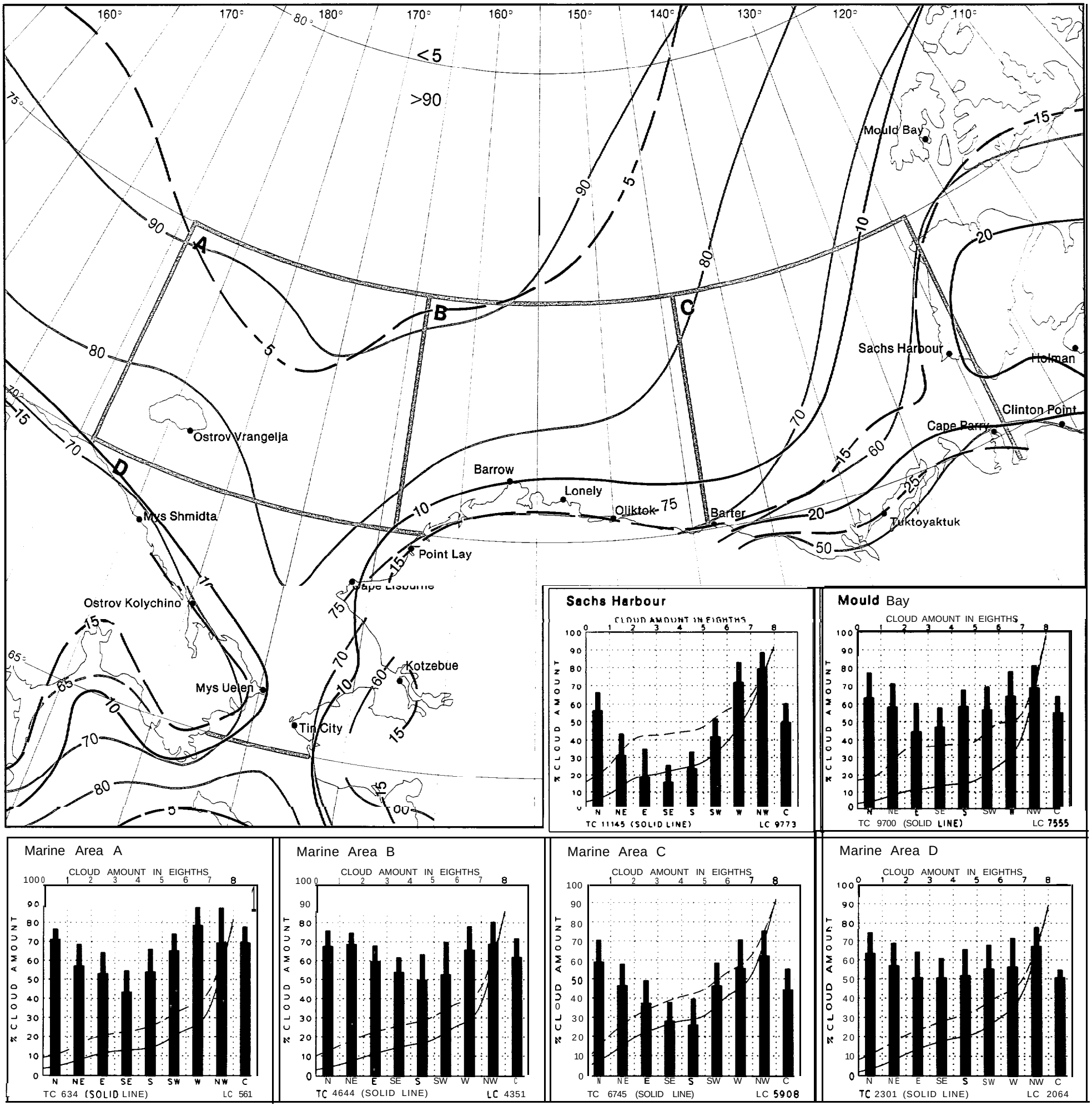


TC 4483 (SOLID LINE) LC 3777

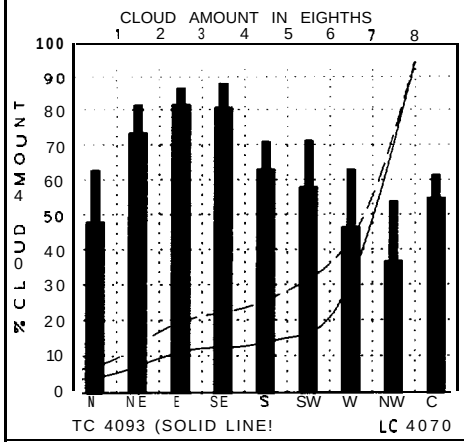
Holman



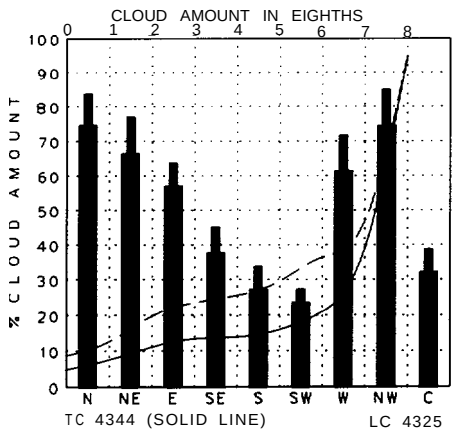
TC 3203 (SOLID LINE) LC 2869


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 11145 (SOLID LINE)
LC 9773
TC 9700 (SOLID LINE)
LC 7555
TC 634 (SOLID LINE)
LC 561
TC 4644 (SOLID LINE)
LC 4351
TC 6745 (SOLID LINE)
LC 5908
TC 2301 (SOLID LINE)
LC 2064

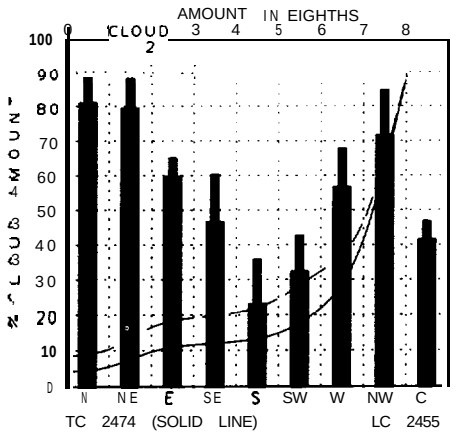
Ostrov Vrangelja



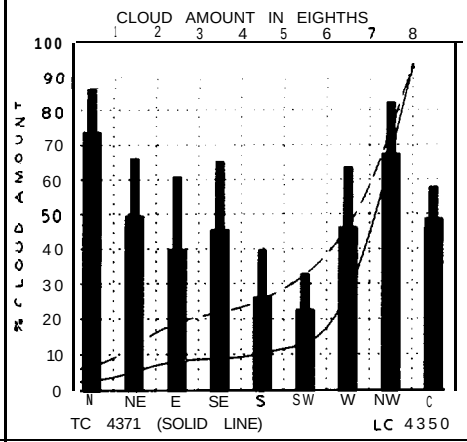
Mys Shmidta



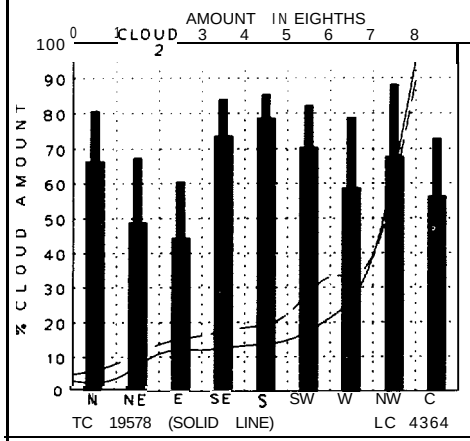
Ostrov Kolychino



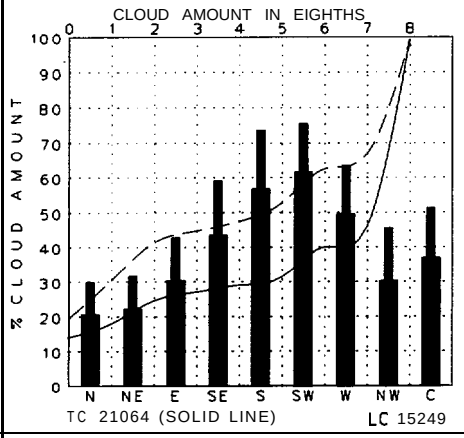
Mys Uelen



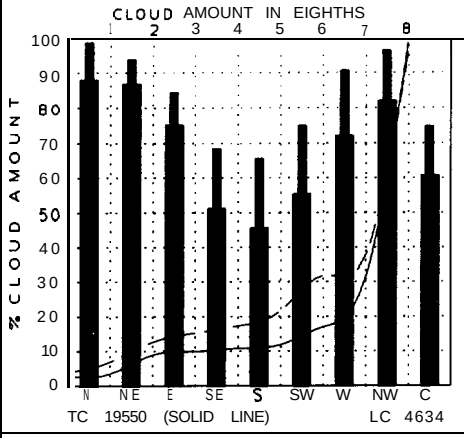
Tin City



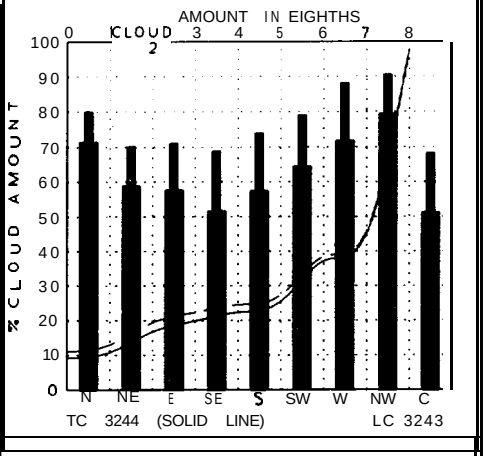
Kotzebue



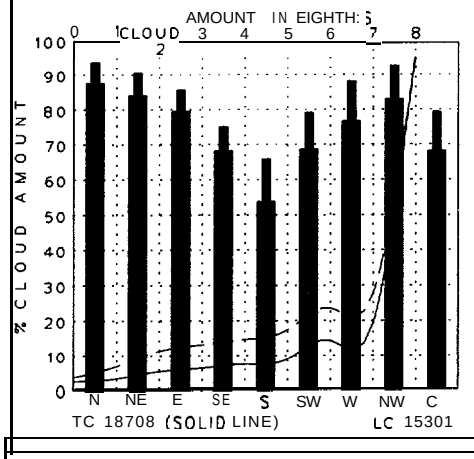
Cape Lisburne



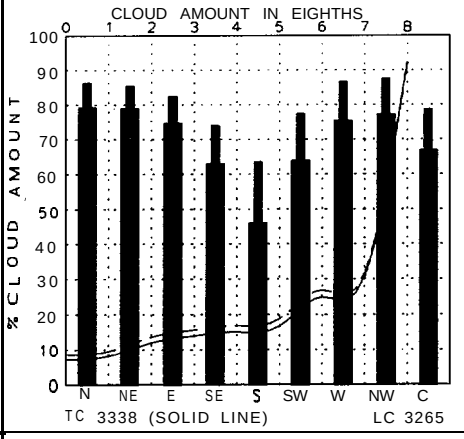
Point Lay



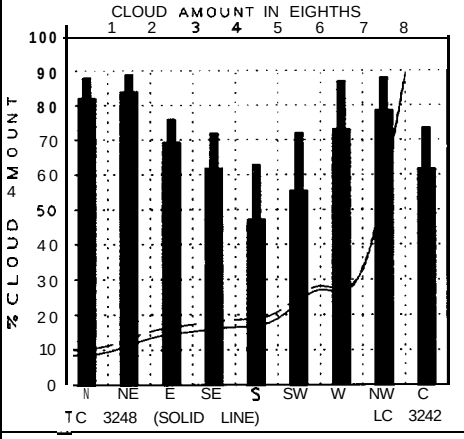
Barrow



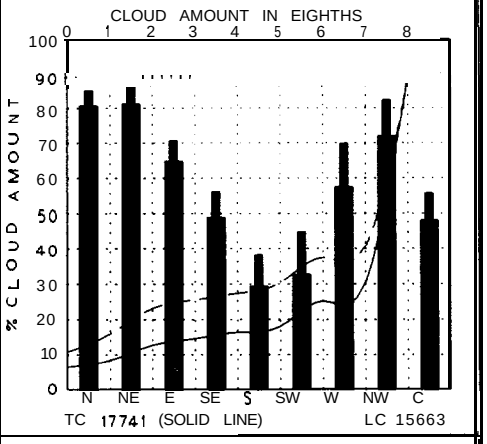
Lonely



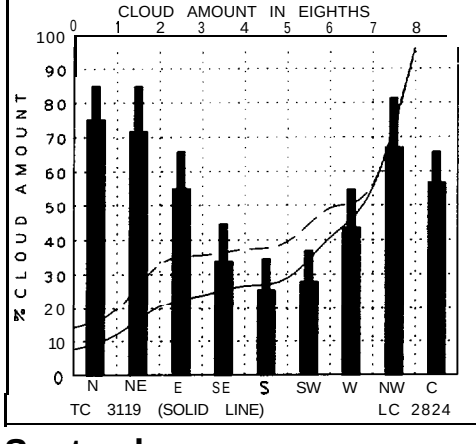
Oliktok



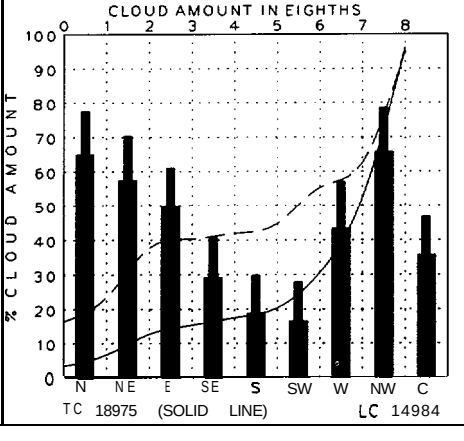
Barter



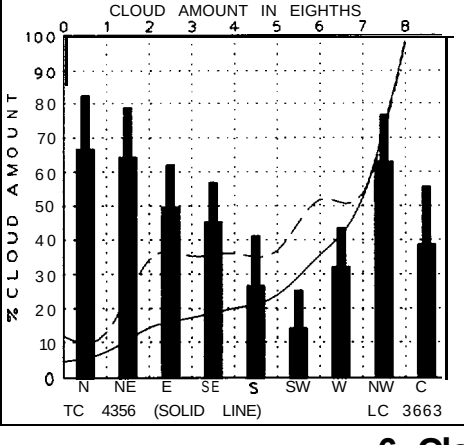
Tuktoyaktuk



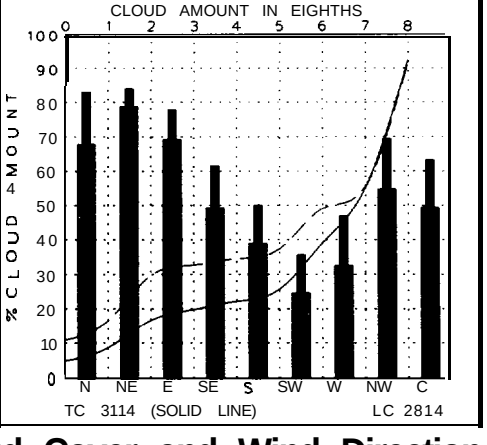
Cape Parry

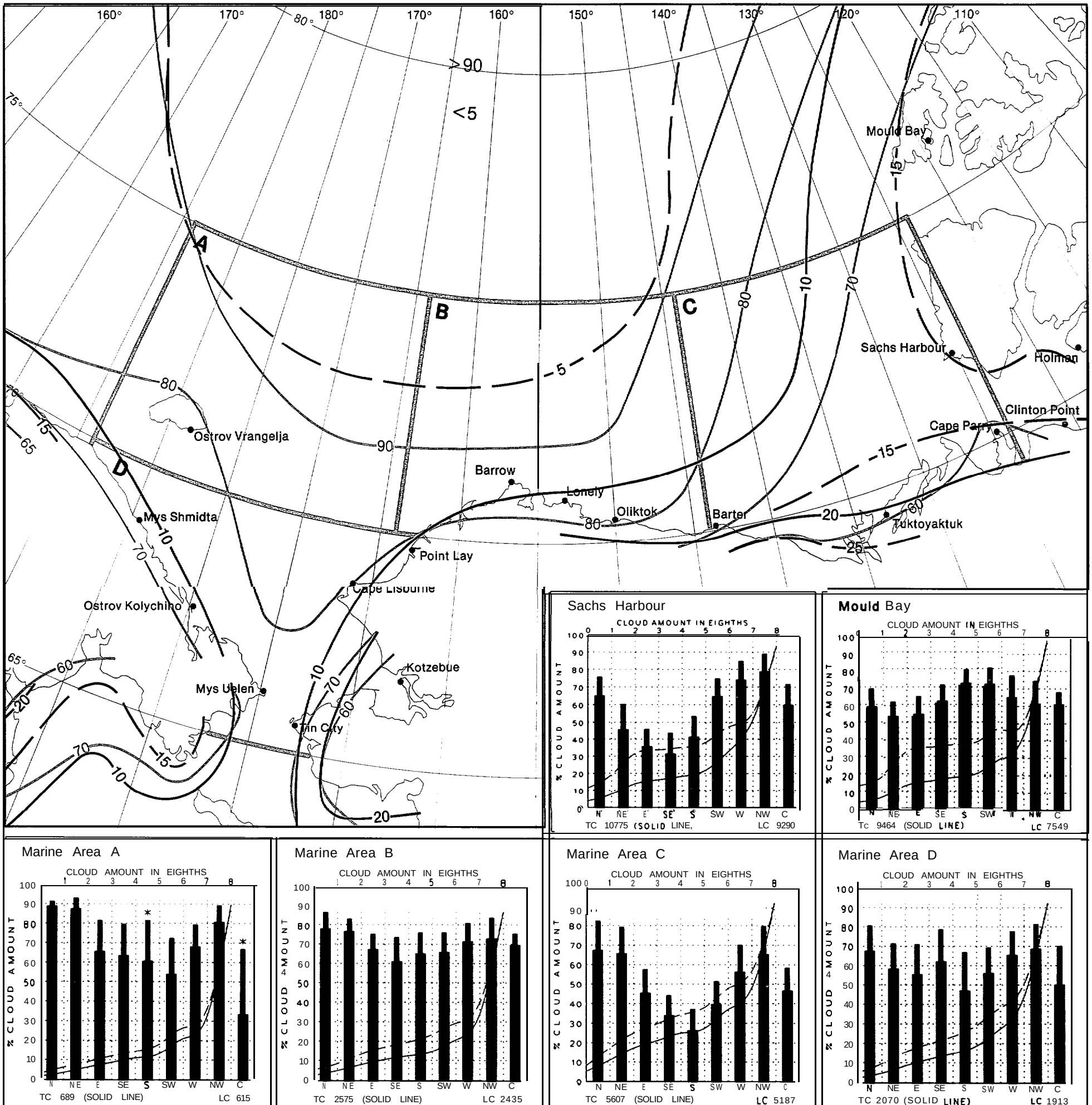


Clinton Point



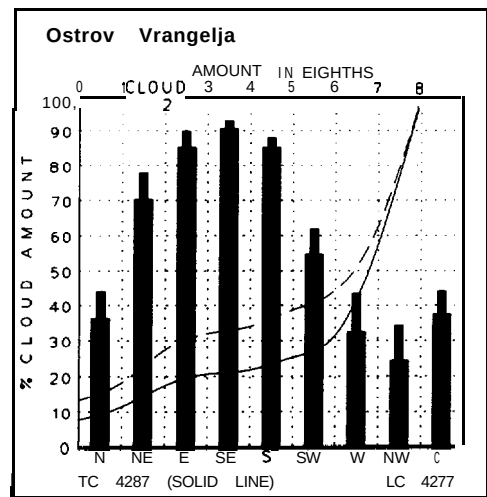
Holman

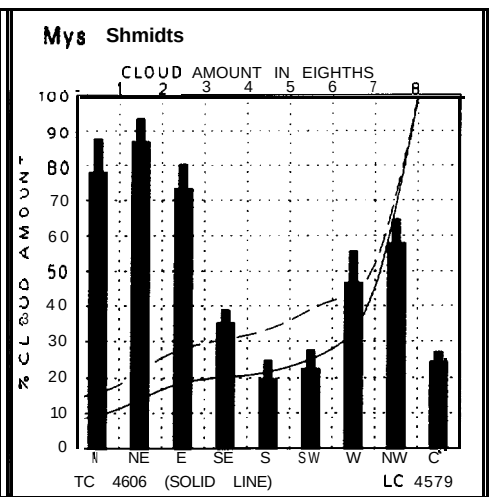


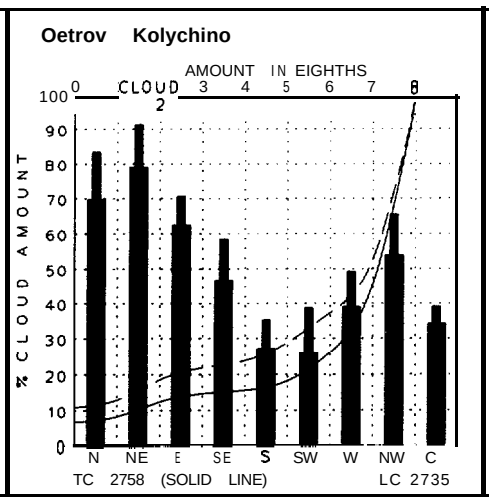


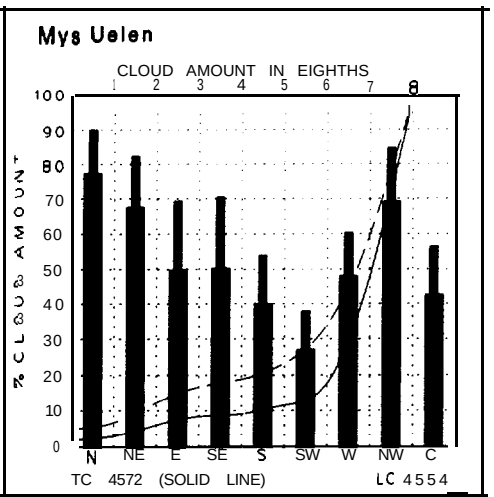
6 Clouds ≦2/8 and ≧5/8

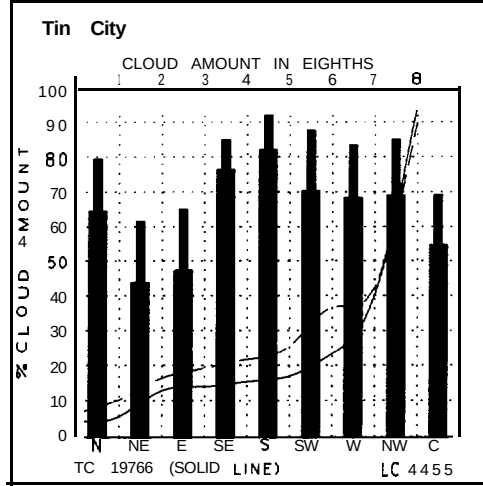
September

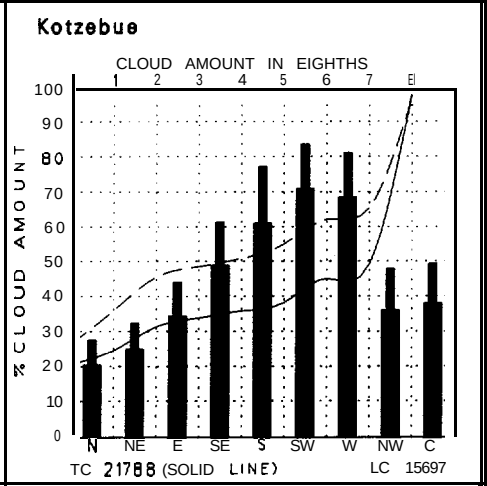

Ostrov Vrangelja
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4287 (SOLID LINE)
LC 4277

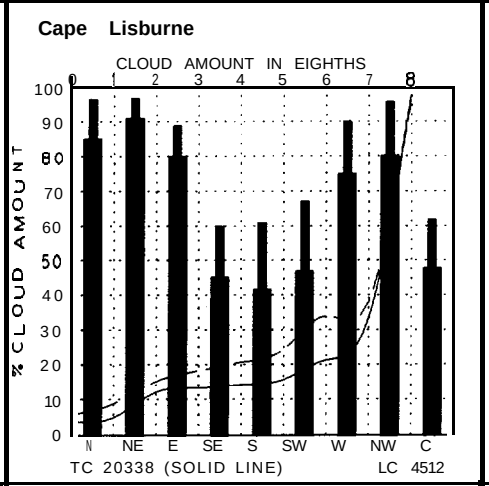

Mys Shmidts
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4606 (SOLID LINE)
LC 4579

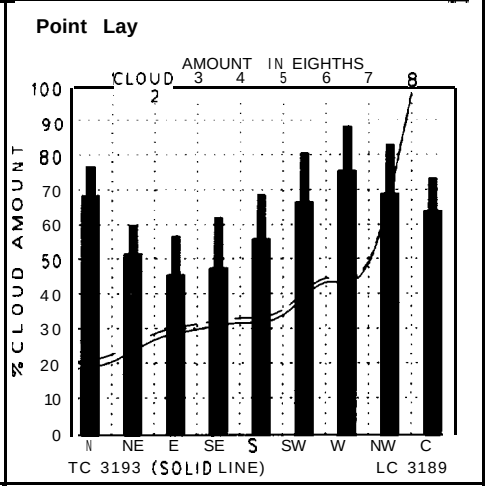

Oetrov Kolychino
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 2758 (SOLID LINE)
LC 2735

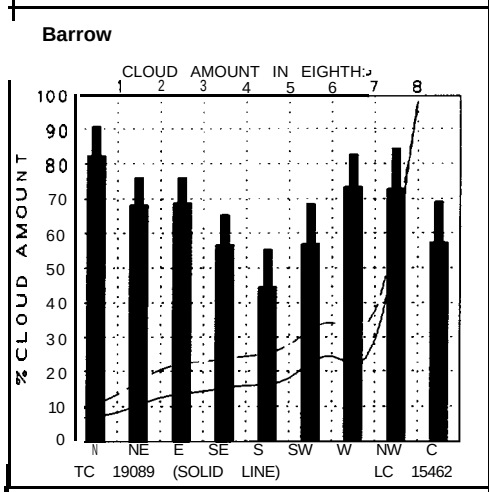

Mys Uelen
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4572 (SOLID LINE)
LC 4554

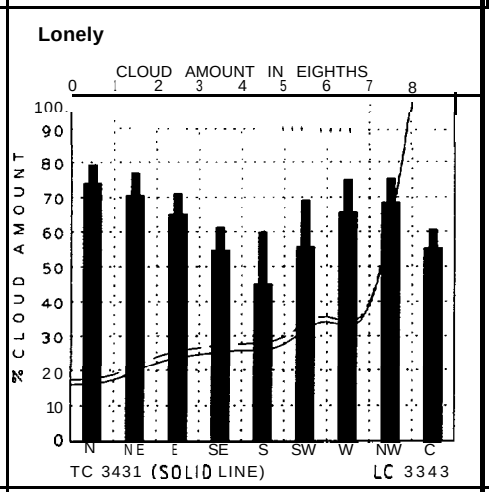

Tin City
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19766 (SOLID LINE)
LC 4455

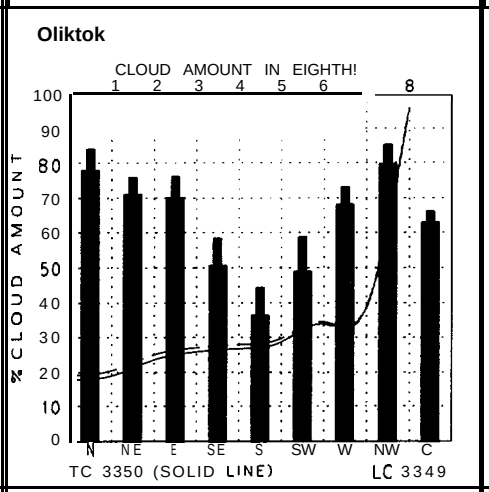

Kotzebue
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 21788 (SOLID LINE)
LC 15697

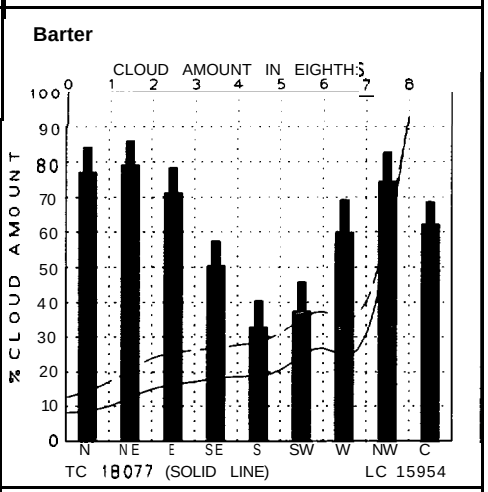

Cape Lisburne
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 20338 (SOLID LINE)
LC 4512

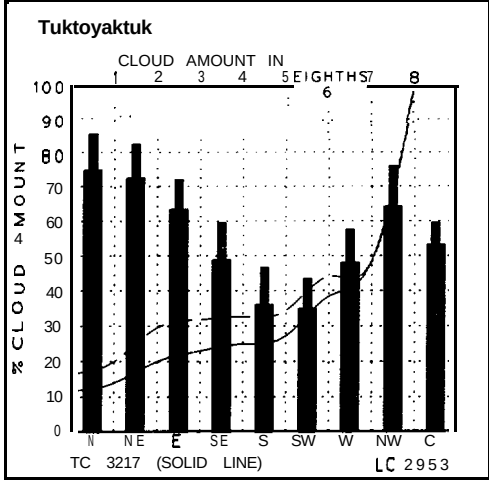

Point Lay
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3193 (SOLID LINE)
LC 3189

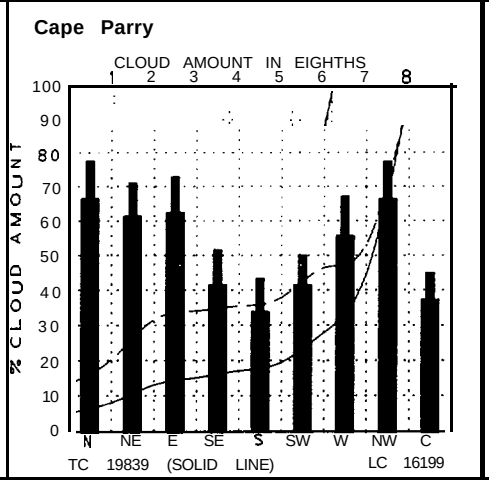

Barrow
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19089 (SOLID LINE)
LC 15462

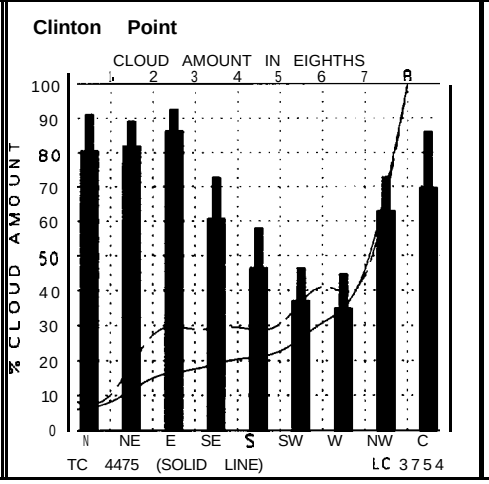

Lonely
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3431 (SOLID LINE)
LC 3343

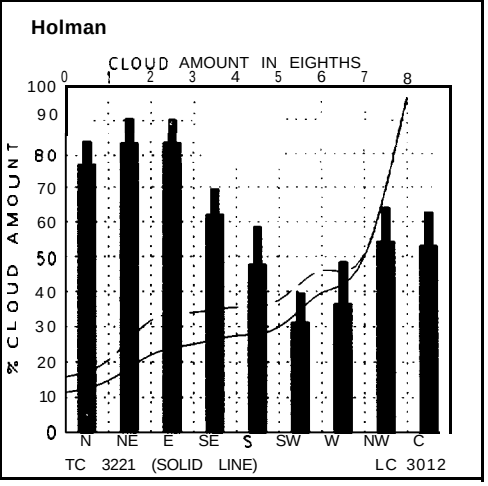

Oliktok
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3350 (SOLID LINE)
LC 3349

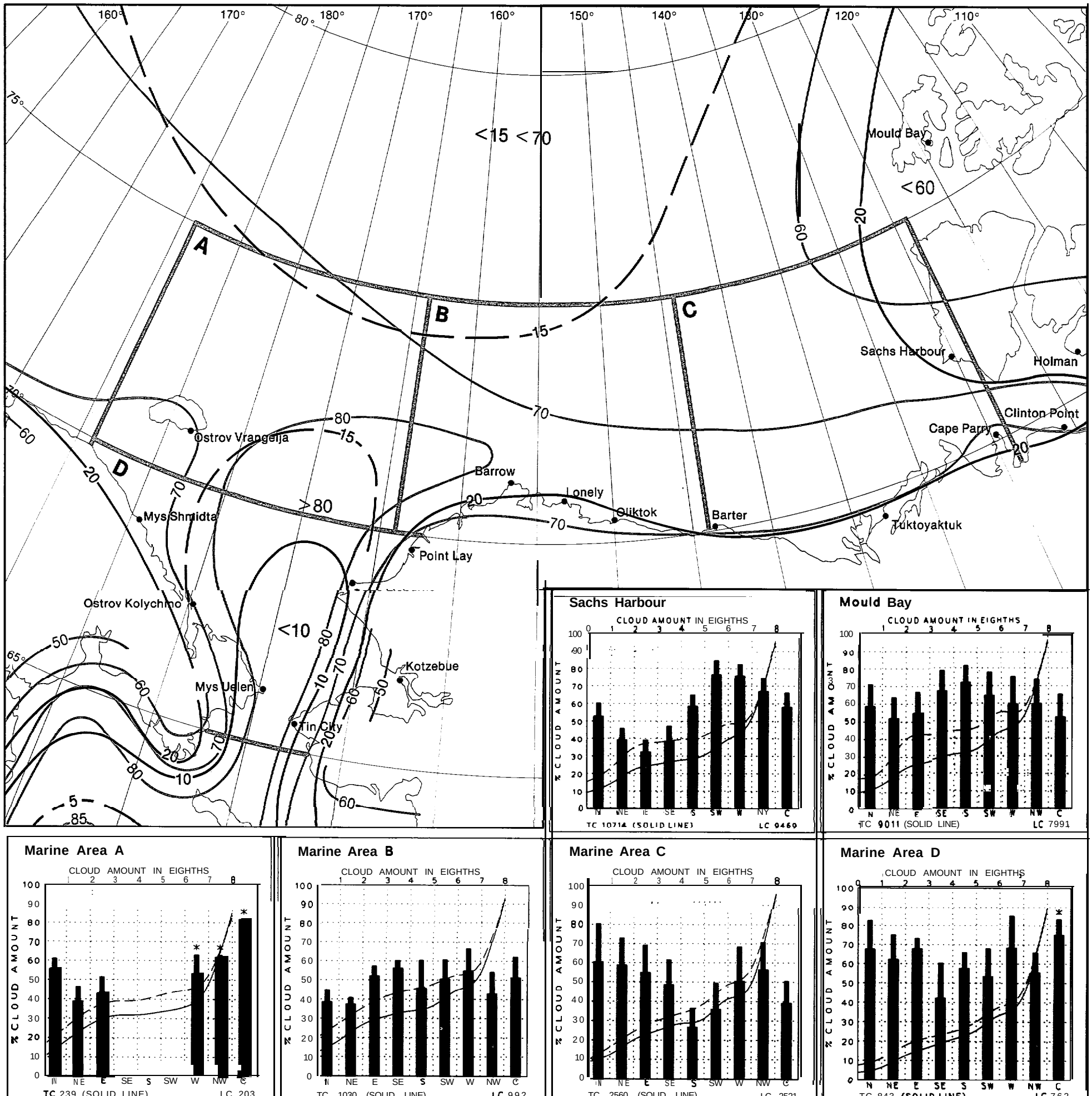

Barter
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18077 (SOLID LINE)
LC 15954

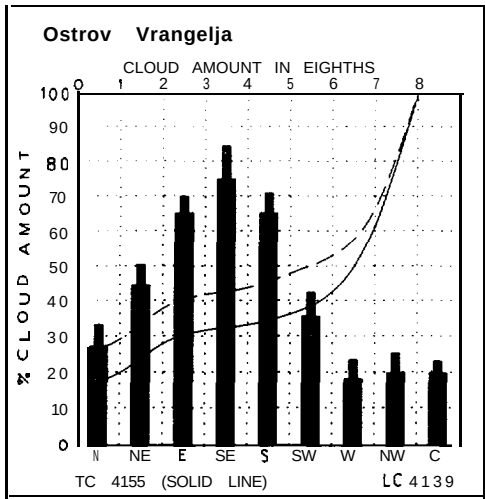

Tuktoyaktuk
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3217 (SOLID LINE)
LC 2953

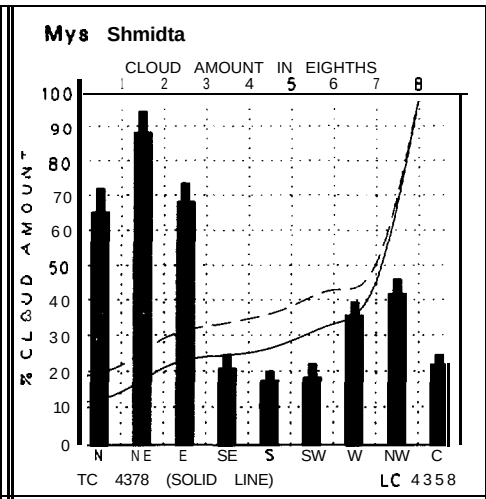

Cape Parry
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19839 (SOLID LINE)
LC 16199

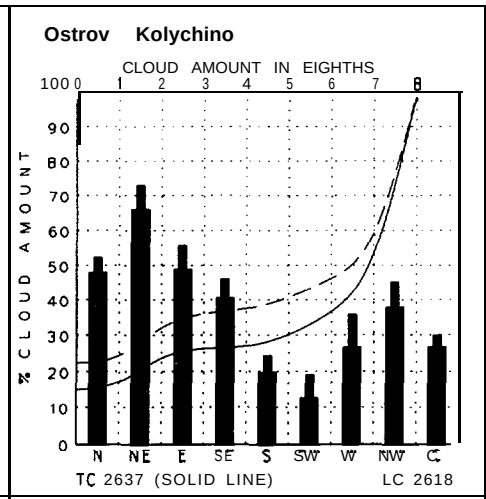

Clinton Point
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4475 (SOLID LINE)
LC 3754

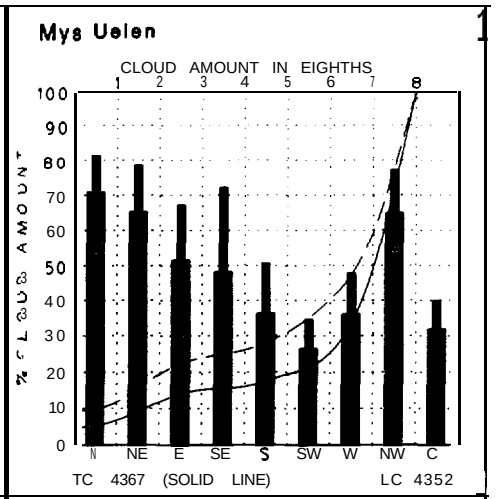

Holman
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3221 (SOLID LINE)
LC 3012

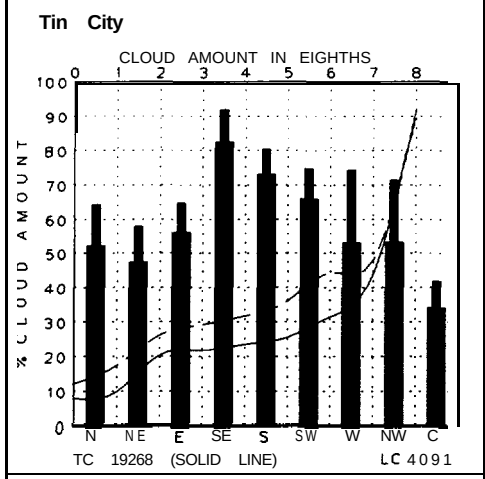

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Ostrov Vrangelja
Mys Shmidta
Ostrov Kolychino
Mys Uelen
Tin City
Kotzebue
A
B
C
D
<15 <70
<60
>80
<10
Sachs Harbour
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
TC 10714 (SOLID LINE)
LC 9469
TC 9011 (SOLID LINE)
LC 7991
TC 239 (SOLID LINE)
LC 203
TC 1030 (SOLID LINE)
LC 992
TC 2560 (SOLID LINE)
LC 2521
TC 843 (SOLID LINE)
LC 762

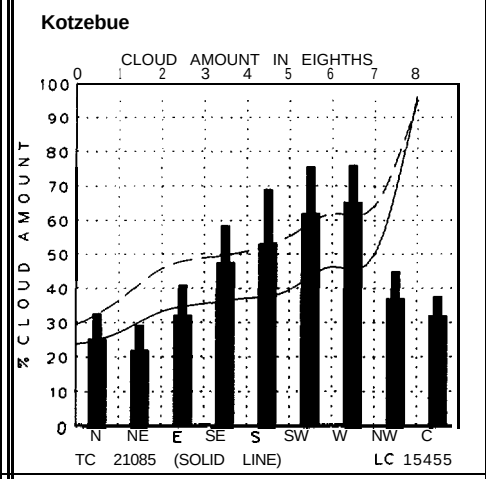

Ostrov Vrangelja
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4155 (SOLID LINE)
LC 4139

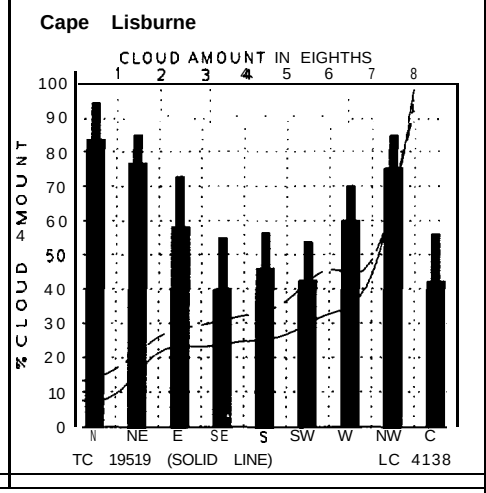

Mys Shmidta
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4378 (SOLID LINE)
LC 4358

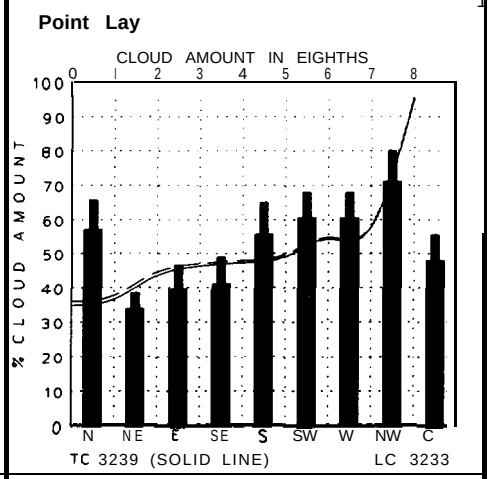

Ostrov Kolychino
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 2637 (SOLID LINE)
LC 2618

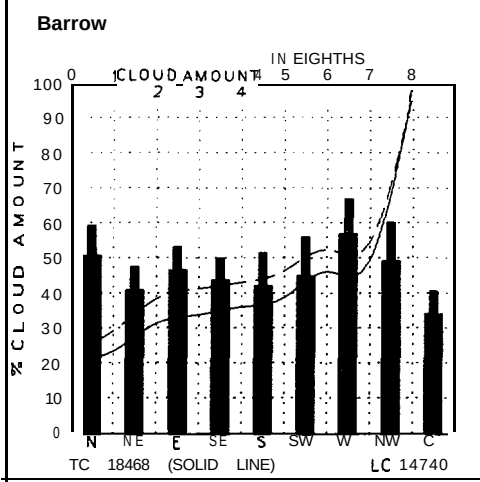

Mys Uelen
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 4367 (SOLID LINE)
LC 4352

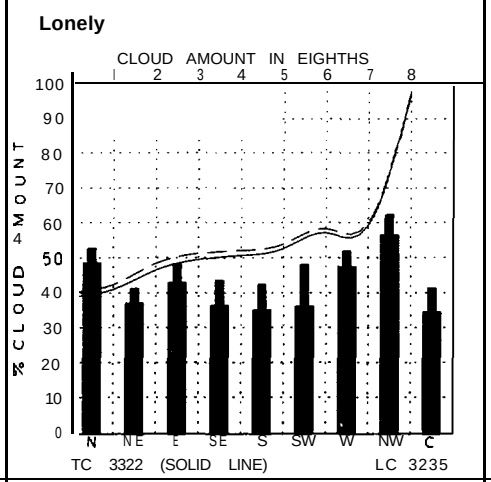

Tin City
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19268 (SOLID LINE)
LC 4091

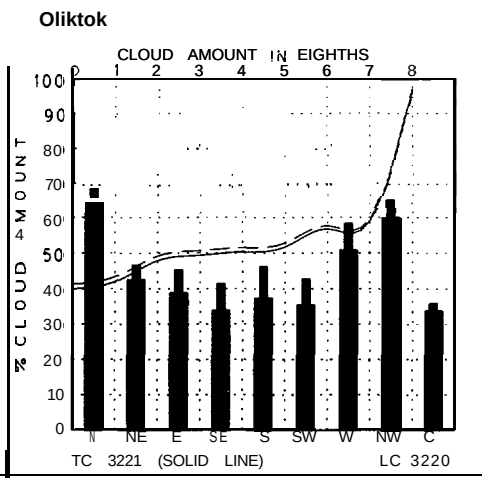

Kotzebue
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 21085 (SOLID LINE)
LC 15455

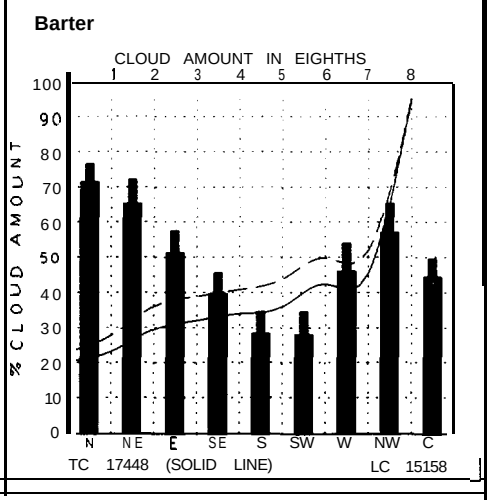

Cape Lisburne
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19519 (SOLID LINE)
LC 4138

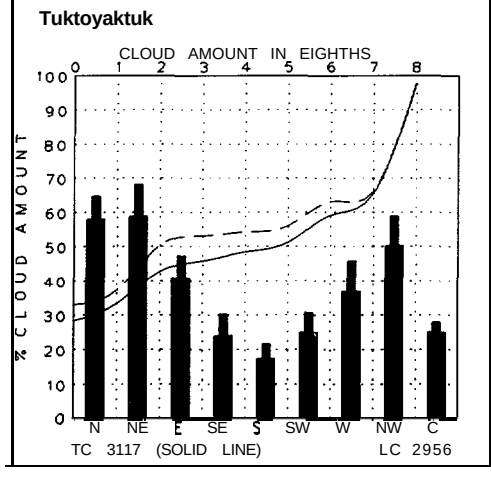

Point Lay
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3239 (SOLID LINE)
LC 3233

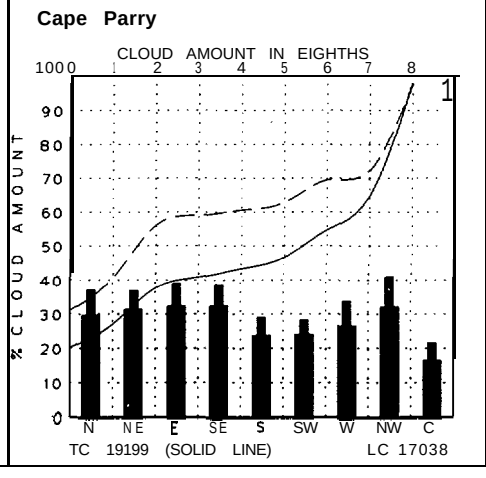

Barrow
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 18468 (SOLID LINE)
LC 14740

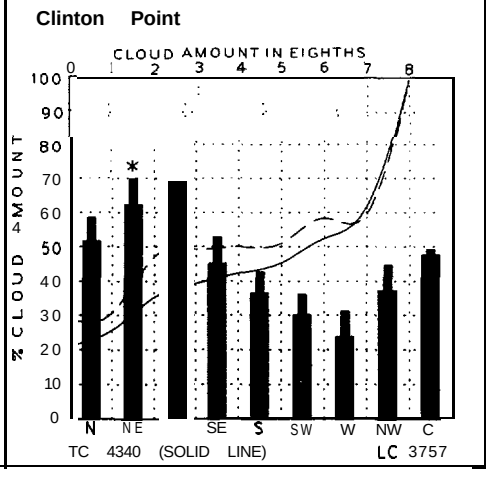

Lonely
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3322 (SOLID LINE)
LC 3235

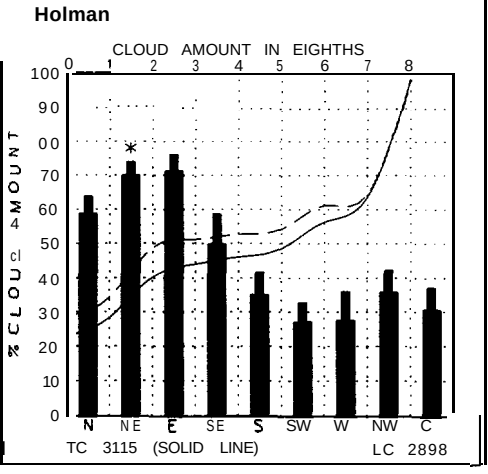

Oliktok
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3221 (SOLID LINE)
LC 3220

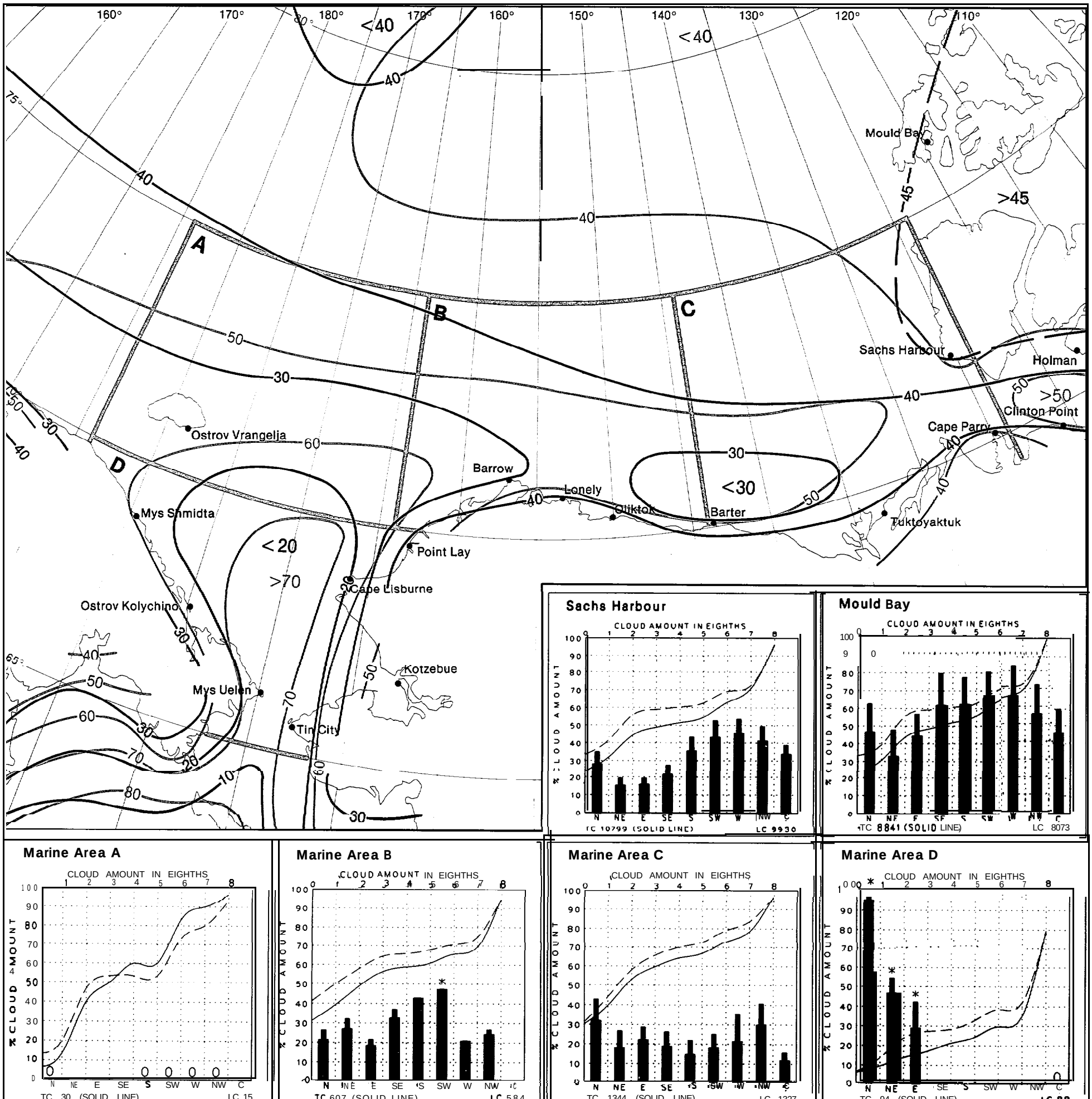

Barter
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 17448 (SOLID LINE)
LC 15158


Tuktoyaktuk
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3117 (SOLID LINE)
LC 2956


Cape Parry
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 19199 (SOLID LINE)
LC 17038

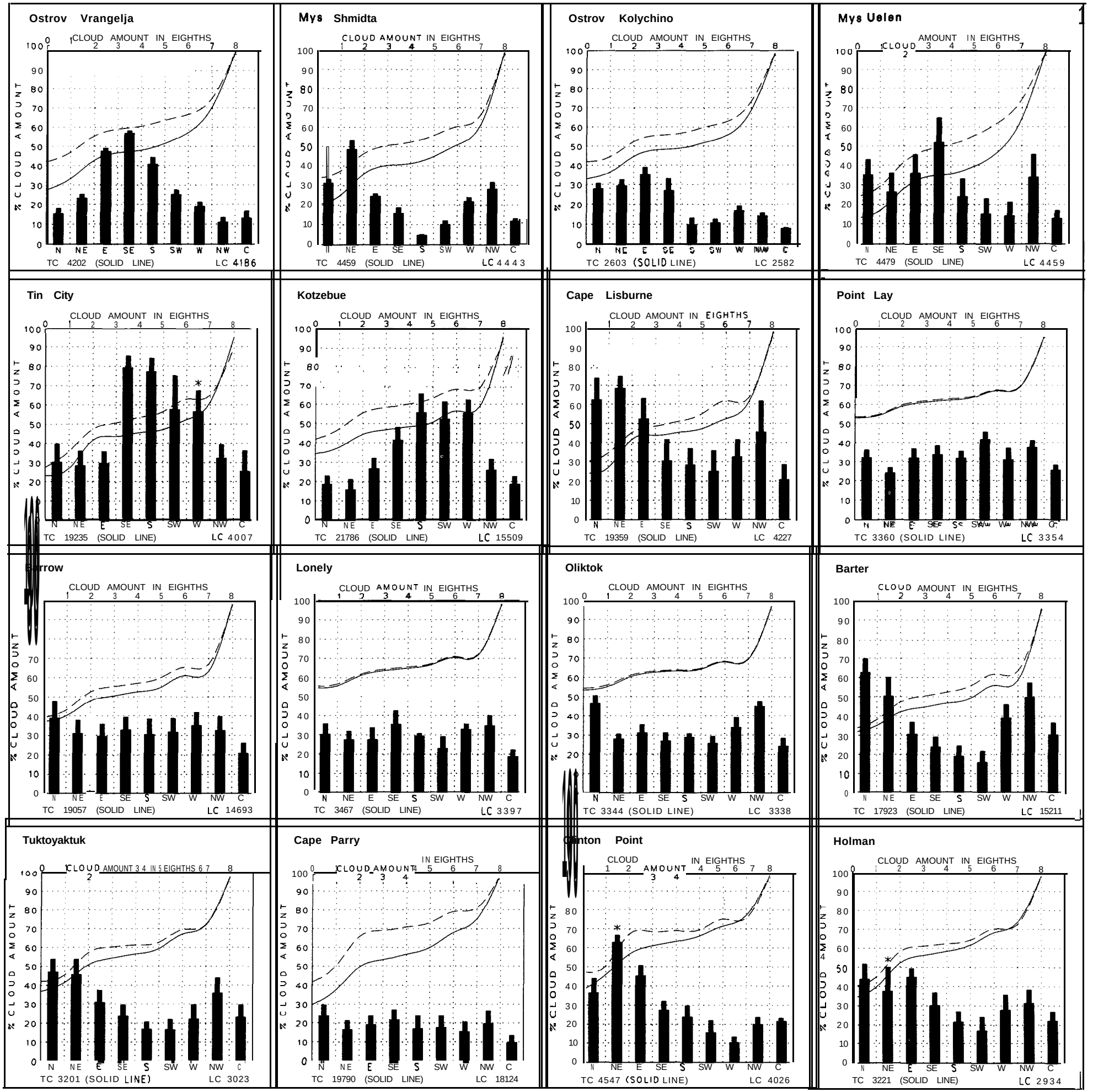

Clinton Point
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE SE S SW W NW C
TC 4340 (SOLID LINE)
LC 3757

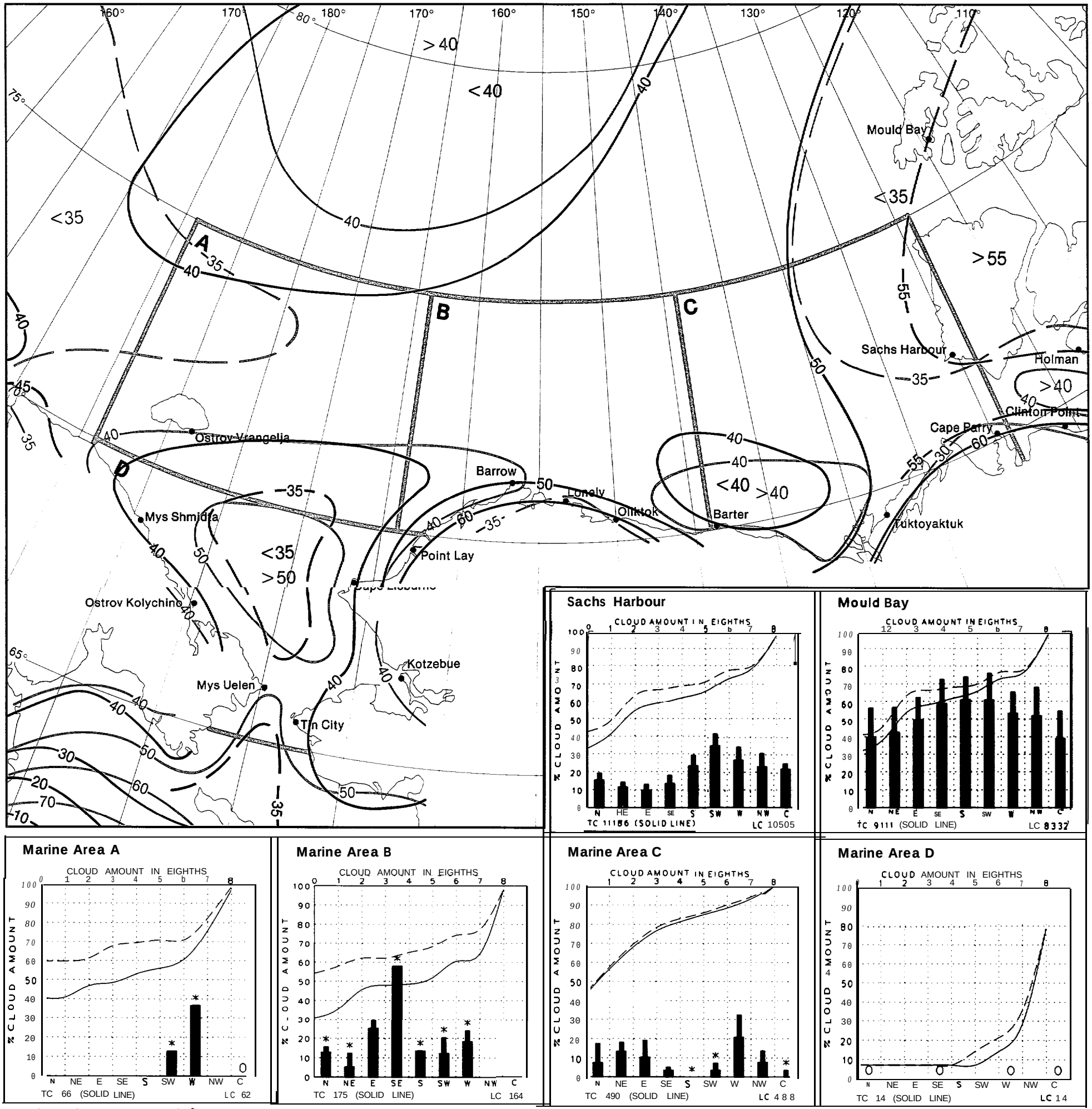

Holman
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C
TC 3115 (SOLID LINE)
LC 2898



6 Clouds ≦**2/8** and ≧**5/8**

November


Ostrov Vrangelja
TC 4202 (SOLID LINE) LC 4186
Mys Shmidta
TC 4459 (SOLID LINE) LC 4443
Ostrov Kolychino
TC 2603 (SOLID LINE) LC 2582
Mys Uelen
TC 4479 (SOLID LINE) LC 4459
Tin City
TC 19235 (SOLID LINE) LC 4007
Kotzebue
TC 21786 (SOLID LINE) LC 15509
Cape Lisburne
TC 19359 (SOLID LINE) LC 4227
Point Lay
TC 3360 (SOLID LINE) LC 3354
Barrow
TC 19057 (SOLID LINE) LC 14693
Lonely
TC 3467 (SOLID LINE) LC 3397
Oliktok
TC 3344 (SOLID LINE) LC 3338
Barter
TC 17923 (SOLID LINE) LC 15211
Tuktoyaktuk
TC 3201 (SOLID LINE) LC 3023
Cape Parry
TC 19790 (SOLID LINE) LC 18124
Clinton Point
TC 4547 (SOLID LINE) LC 4026
Holman
TC 3221 (SOLID LINE) LC 2934
CLOUD AMOUNT IN EIGHTHS
% CLOUD AMOUNT
N NE E SE S SW W NW C



6 Clouds ≦ **2/8** and ≧ **5/8**

December

Map 7. Air temperature extremes (°C)

BLACK LINE – Maximum (99%) air temperature (1% of temperatures were greater than the given value).

BLUE LINE – Minimum (1%) air temperature (1% of temperatures were equal to or less than the given value).

Albers Equal-Area Conic Projection

Graphs: Air temperature/wind speed

1694 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
8,9	+	+	+	+	+
6,7	+	1	2	2	1
4,5	1	7	13	9	1
2,3	2	5	11	6	1
0,1	1	3	5	4	+
−2,−1	1	2	4	3	1
−4,−3	+	1	4	3	+
−6,−5	+	1	1	1	1
−8,−7	0	+	+	+	+
−10,−9	0	+	+	+	+
−12,−11	0	0	0	0	0

Percent frequency of simultaneous occurrence of specified temperature (°C) and wind speed (knots).

Number of observations.

(2% *of* all observations *reported temperature 6-7°C simultaneously* with *wind speed of 22-33 knots.)*

+ Indicates <.5% but >0.

Air temperature is one of the elements most frequently observed by mariners. On many ships, the heating effect of the ship's structure has a tendency to produce higher than actual ambient air temperature readings because of instrument exposure. This is especially true under calm, sunny conditions. Despite the inaccuracies, the large-scale patterns and mean gradients of the isopleth analyses are relatively accurate.

The temperature scale of the graphs varies in both range and class interval. The graph can be used to determine the extent of human discomfort from the combined effects of extreme heat or cold and winds, or to estimate the likelihood of superstructure icing. Refer to Section I of this atlas for detailed information on superstructure icing and wind chill.

Ostrov Vrangelja

4164 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−14	2	5	5	1	+
−16,−15	1	1	2	1	+
−18,−17	1	2	2	2	1
−20,−19	1	2	2	1	1
−22,−21	2	3	4	2	1
−24,−23	2	3	3	2	1
−26,−25	3	3	3	2	+
−28,−27	5	3	3	1	+
−30,−29	4	2	1	+	+
−32,−31	3	2	1	+	+
≤−33	7	2	+	+	0

Mys Shmidta

4703 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−16	3	6	5	2	+
−18,−17	2	2	2	1	+
−20,−19	1	2	2	+	+
−22,−21	1	2	4	1	+
−24,−23	1	3	4	1	+
−26,−25	2	3	4	1	+
−28,−27	3	4	5	2	1
−30,−29	1	2	2	1	+
−32,−31	2	2	3	1	+
−34,−33	2	2	2	+	+
≤−35	6	3	1	+	0

Ostrov Kolychino

2885 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−12	1	5	7	4	+
−14,−13	+	1	2	+	0
−16,−15	+	2	2	+	0
−18,−17	1	3	2	1	+
−20,−19	+	3	3	1	0
−22,−21	1	4	4	+	+
−24,−23	1	3	3	1	+
−26,−25	1	4	4	1	+
−28,−27	1	4	4	1	+
−30,−29	1	3	3	1	+
≤−31	5	9	4	+	+

Mys Uelen

4675 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	5	6	5	4
−10,−9	+	1	1	+	+
−12,−11	1	2	2	1	+
−14,−13	1	2	2	1	+
−16,−15	1	3	2	+	+
−18,−17	1	3	3	1	+
−20,−19	1	3	2	+	+
−22,−21	1	3	3	+	+
−24,−23	1	3	3	1	+
−26,−25	2	2	2	1	+
≤−27	6	7	8	2	+

Tin City

19113 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-8	3	61	101	41	+
−10,−9	1	2	3	1	+
−12,−11	1	1	2	1	+
−14,−13	1	1	3	2	+
−16,−15	+	1	2	2	+
−18,−17	+	1	2	2	+
−20,−19	+	1	3	3	+
−22,−21	1	1	3	3	+
−24,−23	1	1	4	4	+
−26,−25	+	1	3	2	1
≤−27	+	1	7	6	1

Kotzebue

22043 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	+	4	10	7	1
−12,−11	+	2	2	1	+
−14,−13	+	2	3	2	+
−16,−15	+	2	2	1	+
−18,−17	1	3	2	1	+
−20,−19	1	3	2	1	+
−22,−21	1	3	2	1	+
−24,−23	1	3	2	1	+
−26,−25	1	2	1	+	+
−28,−27	1	3	2	+	+
≤−29	6	11	4	1	+

Cape Lisburne

18369 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	2	4	6	6	1
−10,−9	1	2	1	1	+
−12,−11	1	2	1	+	+
−14,−13	1	2	1	+	+
−16,−15	1	2	1	+	+
−18,−17	1	3	2	+	+
−20,−19	1	4	3	1	+
−22,−21	1	4	2	+	+
−24,−23	1	4	3	1	+
−26,−25	1	3	2	+	+
≤−27	5	11	7	1	+

Point Lay

3299 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−16	3	10	7	2	+
−18,−17	1	2	1	1	+
−20,−19	1	2	2	1	+
−22,−21	1	2	2	1	+
−24,−23	1	2	2	1	+
−26,−25	1	2	2	1	+
−28,−27	1	3	3	1	+
−30,−29	2	3	3	1	+
−32,−31	1	2	2	1	+
−34,−33	1	3	2	1	+
≤−35	4	8	5	2	+

Barrow

18798 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-16	+	5	6	2	+
−18,−17	+	2	2	1	+
−20,−19	+	2	3	1	0
−22,−21	+	3	3	1	+
−24,−23	+	4	5	+	0
−26,−25	+	4	3	+	0
−28,−27	1	5	4	+	+
−30,−29	1	6	3	+	0
−32,−31	1	5	2	+	0
−34,−33	1	6	1	+	0
≤−35	3	12	1	+	0

Lonely

3404 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	2	7	6	2	+
−20,−19	1	2	2	1	+
−22,−21	1	2	2	1	+
−24,−23	1	4	4	1	+
−26,−25	1	3	3	1	0
−28,−27	1	4	4	1	+
−30,−29	1	5	3	+	0
−32,−31	1	4	1	+	0
−34,−33	2	5	2	+	0
−36,−35	2	4	1	0	0
≤−37	4	8	1	+	0

Oliktok

3239 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	2	7	7	2	+
−20,−19	+	2	2	1	+
−22,−21	+	2	2	1	0
−24,−23	1	3	4	1	+
−26,−25	1	2	3	1	+
−28,−27	1	3	4	1	+
−30,−29	1	3	4	1	+
−32,−31	1	3	2	+	0
−34,−33	1	3	3	+	0
−36,−35	1	2	2	+	0
≤−37	4	10	3	+	0

Barter

18317 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−16	1	5	4	2	1
−18,−17	+	2	2	1	+
−20,−19	+	2	3	1	1
−22,−21	+	2	2	1	+
−24,−23	1	3	3	1	+
−26,−25	1	2	3	1	+
−28,−27	1	4	4	2	+
−30,−29	1	4	4	1	+
−32,−31	1	3	2	1	+
−34,−33	1	4	2	1	+
≤−35	3	10	4	1	+

Tuktoyaktuk

3223 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	1	6	6	1	+
−20,−19	+	2	2	+	+
−22,−21	+	1	2	+	0
−24,−23	1	3	3	+	0
−26,−25	+	3	3	+	0
−28,−27	1	4	4	1	+
−30,−29	1	5	4	1	0
−32,−31	1	4	3	+	+
−34,−33	2	6	2	+	0
−36,−35	2	4	2	+	0
≤−37	4	11	2	+	0

Cape Parry

19835 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−20	2	5	6	11	+
−22,−21	1	2	2	+	+
−24,−23	1	2	3	1	+
−26,−25	1	3	3	1	+
−28,−27	2	3	4	1	+
−30,−29	2	3	5	1	+
−32,−31	2	3	5	1	+
−34,−33	3	5	5	1	+
−36,−35	2	4	3	+	+
−38,−37	2	3	2	+	0
≤−39	2	2	1	+	0

Clinton Point

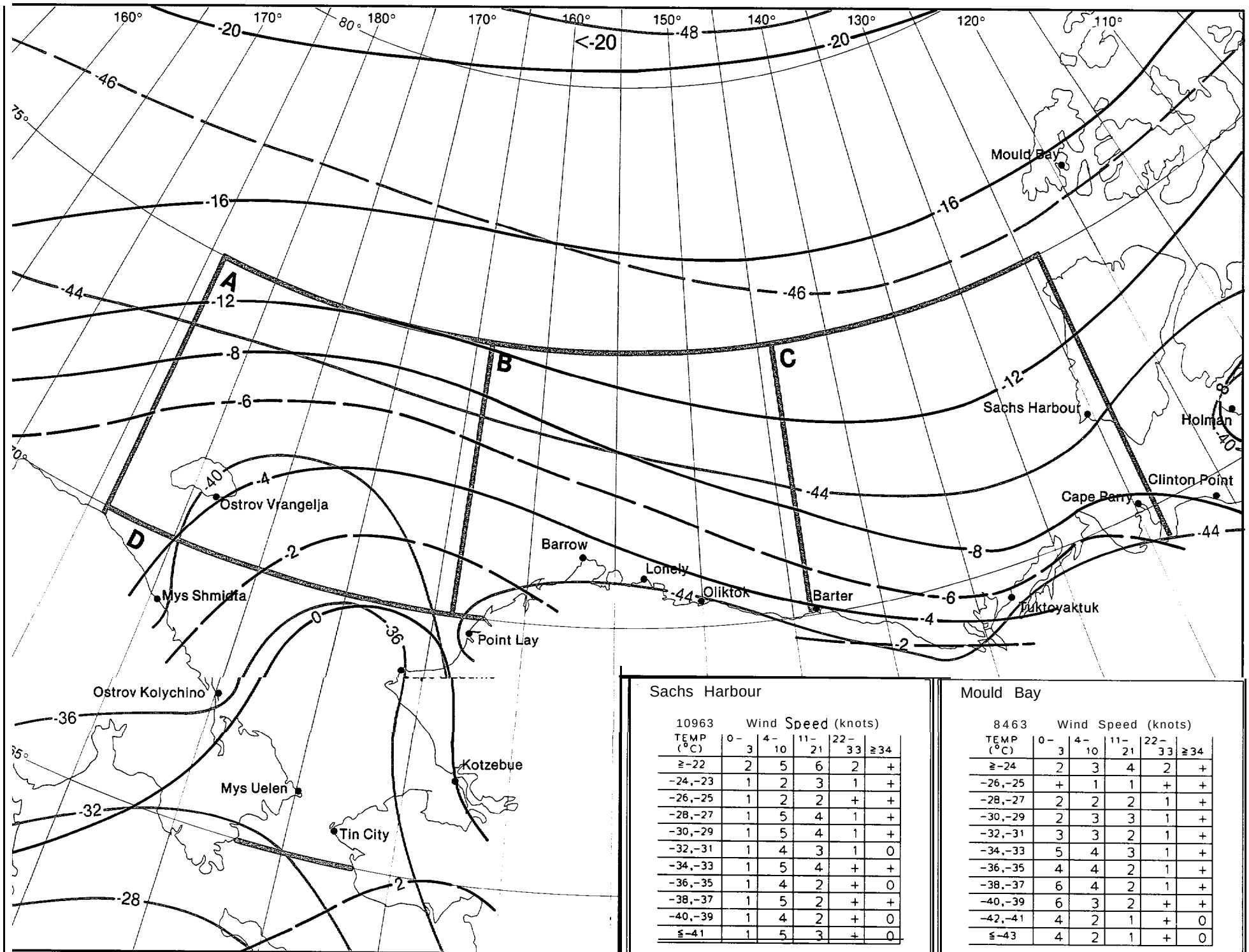
4620 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−20	1	6	6	2	+
−22,−21	+	1	1	+	+
−24,−23	1	3	3	+	+
−26,−25	1	3	3	+	+
−28,−27	1	5	5	1	+
−30,−29	2	5	4	1	+
−32,−31	2	4	3	1	+
−34,−33	2	6	2	+	0
−36,−35	1	5	2	+	0
−38,−37	1	6	1	+	0
≤−39	2	5	+	+	0

Holman

3212 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	3	4	3	2	1
−20,−19	1	1	1	1	+
−22,−21	1	2	1	1	+
−24,−23	2	2	2	1	+
−26,−25	2	2	2	1	+
−28,−27	3	3	4	3	1
−30,−29	3	5	4	3	1
−32,−31	3	4	2	1	1
−34,−33	3	3	2	1	+
−36,−35	2	3	1	+	+
≤−37	2	4	2	+	+



Sachs Harbour

10963 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-22	2	5	6	2	+
-24,-23	1	2	3	1	+
-26,-25	1	2	2	+	+
-28,-27	1	5	4	1	+
-30,-29	1	5	4	1	+
-32,-31	1	4	3	1	0
-34,-33	1	5	4	+	+
-36,-35	1	4	2	+	0
-38,-37	1	5	2	+	+
-40,-39	1	4	2	+	0
≤-41	1	5	3	+	0

Mould Bay

8463 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-24	2	3	4	2	+
-26,-25	+	1	1	+	+
-28,-27	2	2	2	1	+
-30,-29	2	3	3	1	+
-32,-31	3	3	2	1	+
-34,-33	5	4	3	1	+
-36,-35	4	4	2	1	+
-38,-37	6	4	2	1	+
-40,-39	6	3	2	+	+
-42,-41	4	2	1	+	0
≤-43	4	2	1	+	0

Marine Area A

339 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-20	+	4	11	2	0
-22,-21	0	2	3	1	0
-24,-23	0	1	2	+	0
-26,-25	0	1	2	+	0
-28,-27	1	2	1	+	0
-30,-29	2	6	2	+	0
-32,-31	3	4	2	0	0
-34,-33	3	5	3	0	0
-36,-35	1	4	2	0	0
-38,-37	2	4	2	1	0
≤-39	10	7	3	+	0

Marine Area B

456 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-20	8	6	1	1	0
-22,-21	2	8	+	0	0
-24,-23	2	8	0	0	0
-26,-25	2	3	0	0	0
-28,-27	3	3	0	0	0
-30,-29	6	2	0	0	0
-32,-31	6	3	0	0	0
-34,-33	6	0	0	0	0
-36,-35	10	2	+	0	0
-38,-37	6	0	0	0	0
≤-39	13	+	0	+	0

Marine Area C

400 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-16	+	2	2	2	+
-18,-17	0	+	3	2	+
-20,-19	0	1	4	1	+
-22,-21	+	1	4	3	1
-24,-23	+	3	3	4	+
-26,-25	+	2	3	2	+
-28,-27	+	4	3	1	+
-30,-29	3	3	2	+	1
-32,-31	1	4	4	+	+
-34,-33	1	5	3	+	+
≤-35	1	7	2	0	0

Marine Area D

10 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	0	0	0	0	0
8,9	0	0	0	0	0
6,7	0	0	0	0	0
4,5	0	0	10	0	0
2,3	0	0	0	0	0
0,1	0	10	20	0	0
-2,-1	20	10	30	0	0
-4,-3	0	0	0	0	0
-6,-5	0	0	0	0	0
-8,-7	0	0	0	0	0
≤-9	0	0	0	0	0

Ostrov **Vrangelja**

3890 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–16	1	3	2	+	+
–18,–17	1	1	1	1	+
–20,–19	1	1	2	1	+
–22,–21	2	3	3	2	+
–24,–23	3	3	3	2	+
–26,–25	3	4	3	2	+
–28,–27	6	3	2	1	1
–30,–29	4	2	1	1	+
–32,–31	7	2	1	+	+
–34,–33	6	1	+	+	+
≤–35	9	1	+	+	+

Mys Shmidts

437 1 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–18	1	4	3	1	+
–20.–19	[illegible]	1	1	+	+
–22.–21	1	2	2	1	+
–24,–23	1	3	2	1	+
–26.–25	2	3	4	2	+
–28,–27	2	5	6	3	+
–30,–29	1	2	3	1	+
–32,–31	3	3	4	2	+
–34,–33	2	3	3	1	+
–36,–35	4	3	2	1	+
≤–37	5	3	1	+	0

Ostrov Kolychino

2768 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–16	1	4	5	2	+
–18,–17	1	2	2	1	+
–20,–19	1	1	2	+	+
–22,–21	1	2	3	+	0
–24,–23	1	2	4	1	0
–26,–25	1	2	5	1	+
–28,–27	1	5	5	2	+
–30,–29	1	3	3	1	+
–32,–31	2	6	4	+	0
–34,–33	2	6	2	+	0
s-35	2	7	2	+	0

Mys Uelen

4357 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–14	2	4	5	2	2
–16,–15	1	2	1	+	+
–18,–17	1	3	2	+	+
–20.–19	1	2	1	+	0
–22,–21	1	3	3	+	0
–24,–23	1	3	3	1	0
–26,–25	1	2	4	+	+
–28.–27	3	4	6	1	+
–30,–29	2	3	3	+	+
–32,–31	3	4	3	+	+
≤–33	5	5	3	1	0

Tin City

17416 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
b-12	3	5	8	3	+
–14,–13	1	1	2	1	+
–16,–15	1	1	2	2	+
–18,–17	1	1	3	3	+
–20,–19	+	1	3	3	+
–22,–21	+	+	2	3	+
–24,–23	+	1	4	5	1
–26,–25	+	1	3	5	1
–28,–27	+	+	3	4	1
–30,–29	+	1	4	4	1
≤–31	+	1	6	6	1

Kotzebue

19709 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-12	1	5	10	5	1
–14,–13	+	2	2	1	+
–16,–15	+	2	2	1	+
–18,–17	+	2	2	1	+
–20.–19	1	2	2	1	+
–22,–21	1	3	2	+	+
–24,–23	1	4	3	+	+
–26.–25	1	3	2	+	+
–28,–27	2	4	2	+	+
–30,–29	2	4	1	+	+
≤–31	6	9	2	+	+

Cape Lisburne

16993 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–14	3	5	5	4	1
–16,–15	1	2	1	+	+
–18,–17	1	2	1	+	+
–20,–19	1	3	2	+	0
–22,–21	1	4	2	+	+
–24,–23	2	5	4	+	+
–26,–25	2	4	3	+	+
–28,–27	2	5	3	+	+
–30,–29	2	5	3	+	+
–32,–31	2	3	2	+	+
≤–33	4	6	3	+	+

Point Lay

2997 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	3	8	7	2	+
–22,–21	1	2	1	+	+
–24,–23	1	2	1	1	+
–26,–25	1	2	2	1	0
–28,–27	1	3	2	1	+
–30,–29	1	4	4	1	+
–32,–31	1	3	3	1	+
–34,–33	1	3	3	1	+
–36,–35	1	3	3	1	+
–38,–37	1	4	2	1	0
≤–39	3	8	4	+	0

Berrow

17135 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-20	+	6	6	1	+
–22,–21	+	2	3	+	+
–24,–23	+	2	41	+	+
–26,–25	+	2	3	+	0
–28.–27	+	5	41	+	0
–30, –29	1	1	2	4	0
32,–31	1	6	2	+	0
–34,–33	1	8	2	+	0
–36,–35	1	6	1	+	0
–38,–37	1	6	1	0	0
s-39	1	7	1	0	0

Lonely

3126 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	2	7	5	1	+
–22,–21	+	2	2	+	+
–24,–23	+	2	2	1	0
–26,–25	1	2	2	+	0
–28,–27	1	3	2	+	+
–30,–29	2	5	3	+	0
–32,–31	2	5	3	+	0
–34,–33	2	6	2	+	0
–36,–35	2	5	1	+	0
–38,–37	3	6	1	0	0
≤–39	5	9	+	0	0

Oliktok

2969 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	2	7	6	2	+
–22,–21	1	2	2	1	+
–24,–23	1	3	2	1	+
–26,–25	1	2	2	+	+
–28,–27	1	2	2	1	+
–30,–29	1	4	3	+	0
–32,–31	1	3	2	+	0
–34,–33	2	5	2	+	0
–36,–35	1	4	3	+	0
–38,–37	2	5	2	+	0
≤–39	5	11	3	+	0

Barter

16692 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	1	6	6	3	1
–22,–21	+	1	2	1	+
–24,–23	+	2	3	1	+
–26,–25	+	2	2	1	+
–28,–27	1	3	4	1	+
–30,–29	+	4	3	1	+
–32,–31	+	3	3	1	+
–34,–33	1	4	4	1	+
–36,–35	1	4	3	+	+
–38,–37	1	5	3	+	+
≤–39	3	9	3	+	0

Tuktoyaktuk

2919 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	2	7	7	1	+
–22,–21	1	3	2	+	0
–24,–23	+	3	3	+	0
–26,–25	1	3	2	+	0
–28,–27	1	5	3	+	0
–30,–29	1	6	3	+	0
–32,–31	1	4	2	+	0
–34,–33	2	6	2	+	0
–36,–35	2	5	2	+	0
–38,–37	2	6	1	0	0
≤–39	4	7	1	0	0

Cape Parry

18086 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
z-20	1	2	4	5	1
–22.–21	+	1	2	1	+
–24.–23	1	1	3	1	+
–26,–25	1	1	3	1	+
–28,–27	1	3	4	1	+
–30,–29	2	3	5	1	+
–32,–31	2	4	4	1	0
–34,–33	4	6	5	+	0
–36,–35	3	4	3	+	+
–38,–37	3	4	2	+	+
≤–39	3	4	2	+	0

Clinton Point

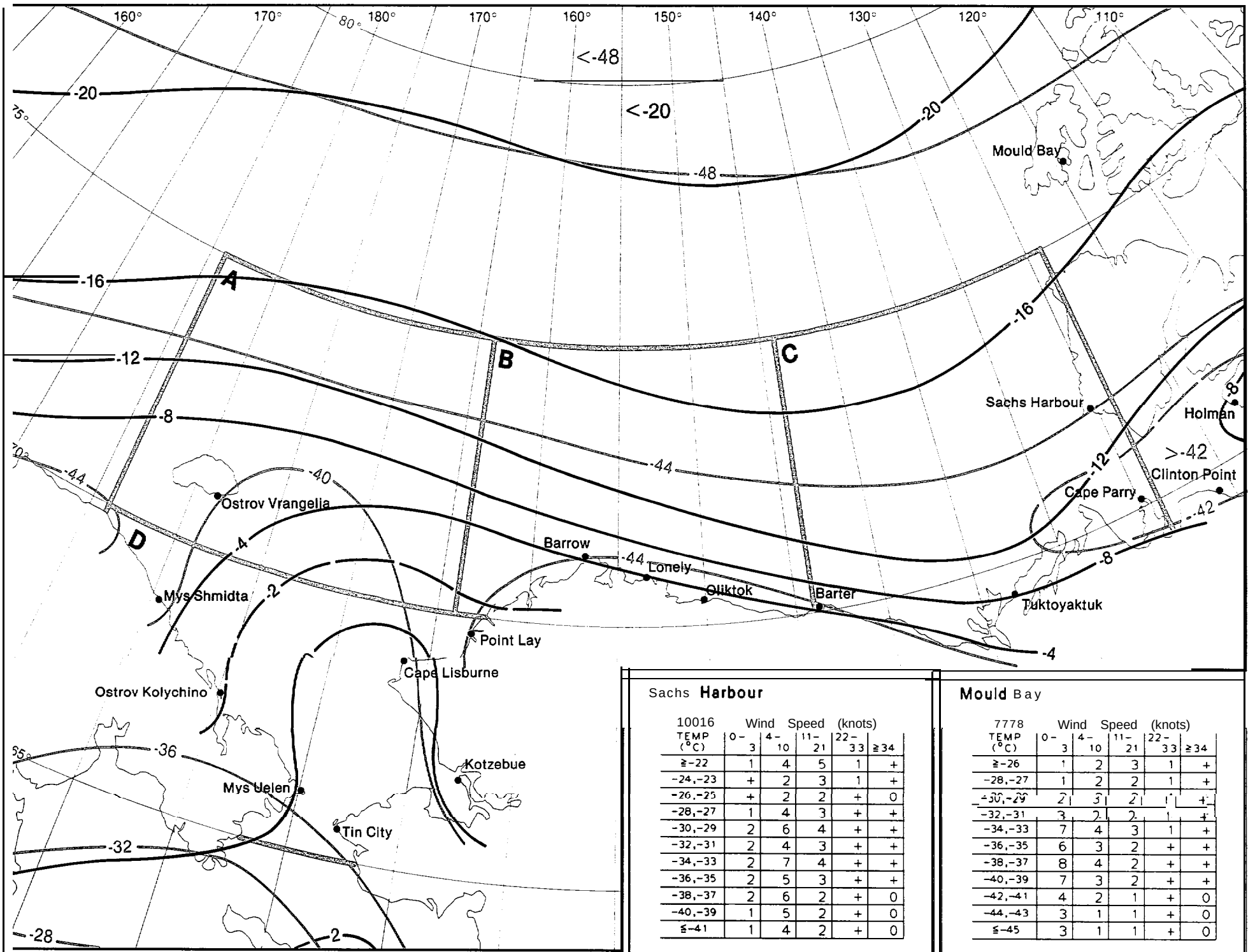
4240 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–20	2	4	5	1	+
–22,–21	1	3	2	1	+
–24,–23	1	2	2	+	+
–26,–25	+	2	2	+	+
–28,–27	1	3	3	1	+
–30,–29	+	4	4	+	+
–32,–31	1	5	4	+	+
–34,–33	2	8	3	+	0
–36,–35	1	6	2	+	0
–38,–37	2	8	1	+	0
≤–39	2	5	+	+	0

Holman

2925 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥–18	3	2	2	1	1
–20,–19	1	2	1	+	+
–22,–21	1	2	1	+	+
–24,–23	2	3	2	1	1
–26,–25	2	2	2	1	+
–28,–27	2	4	3	2	1
–30,–29	5	5	3	2	+
–32,–31	3	3	2	1	+
–34,–33	3	5	2	1	1
–36,–35	2	3	1	+	+
≤–37	3	4	1	+	+



Sachs **Harbour**

10016 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-22	1	4	5	1	+
-24,-23	+	2	3	1	+
-26,-25	+	2	2	+	0
-28,-27	1	4	3	+	+
-30,-29	2	6	4	+	+
-32,-31	2	4	3	+	+
-34,-33	2	7	4	+	+
-36,-35	2	5	3	+	+
-38,-37	2	6	2	+	0
-40,-39	1	5	2	+	0
≤-41	1	4	2	+	0

Mould Bay

7778 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-26	1	2	3	1	+
-28,-27	1	2	2	1	+
-30,-29	2	3	2	1	+
-32,-31	3	2	2	1	+
-34,-33	7	4	3	1	+
-36,-35	6	3	2	+	+
-38,-37	8	4	2	+	+
-40,-39	7	3	2	+	+
-42,-41	4	2	1	+	0
-44,-43	3	1	1	+	0
≤-45	3	1	1	+	0

Marine Area A

275 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-20	4	6	2	2	0
-22,-21	+	2	+	+	0
-24,-23	1	1	2	1	0
-26,-25	0	2	3	+	0
-28,-27	2	3	3	0	0
-30,-29	1	3	1	0	0
-32,-31	1	3	4	0	0
-34,-33	+	8	5	0	0
-36,-35	3	8	5	0	0
-38,-37	3	11	1	0	0
≤-39	1	7	+	0	0

Marine Area **B**

259 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-24	3	5	7	3	0
-26,-25	2	2	+	0	0
-28,-27	2	1	+	0	0
-30,-29	2	4	1	0	0
-32,-31	5	2	+	0	0
-34,-33	8	+	0	0	0
-36,-35	8	0	0	0	0
-38,-37	10	0	0	0	0
-40,-39	10	0	0	0	0
-42,-41	9	0	0	0	0
≤-43	5	0	0	0	0

Marine Area C

333 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-20	+	+	4	2	0
-22,-21	+	1	5	1	0
-24,-23	+	1	8	1	0
-26,-25	1	5	5	2	0
-28,-27	1	5	4	0	0
-30,-29	1	6	3	0	0
-32,-31	1	5	3	1	0
-34,-33	2	4	2	1	0
-36,-35	2	5	2	1	0
-38,-37	1	7	2	0	0
≤-39	+	4	1	0	0

Marine Area D

40 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-6	0	0	5	0	0
-8,-7	0	2	13	0	0
-10,-9	0	5	0	2	0
-12,-11	0	2	5	5	0
-14,-13	0	7	2	2	0
-16,-15	0	2	2	0	0
-18,-17	2	0	7	0	0
-20,-19	0	5	10	5	0
-22,-21	0	0	5	0	0
-24,-23	0	0	2	0	0
≤-25	0	0	5	0	0

Oatrov Vrangelja

4389 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−14	1	3	3	1	+
−16,−15	1	2	2	1	+
−18,−17	1	2	3	1	+
−20,−19	1	1	3	2	+
−22,−21	3	3	4	2	1
−24,−23	4	3	3	2	1
−26,−25	4	3	2	1	+
−28,−27	6	3	2	1	+
−30,−29	4	2	1	+	+
−32,−31	5	2	1	+	0
≤−33	7	2	+	+	+

Mys Shmidta

4882 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−16	2	3	3	1	+
−18,−17	1	2	1	+	+
−20,−19	1	1	1	+	+
−22,−21	2	3	3	1	+
−24,−23	1	4	4	2	+
−26,−25	2	4	6	2	+
−28,−27	3	4	6	2	1
−30,−29	1	3	3	2	+
−32,−31	2	3	3	1	+
−34,−33	3	2	2	+	+
≤−35	5	2	1	+	0

Ostrov Kolychino

2992 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	234
z-14	1	3	5	2	+
−16,−15	1	1	1	+	0
−18,−17	1	3	2	+	0
−20,−19	+	2	2	+	0
−22,−21	1	3	3	1	0
−24,−23	1	4	4	1	0
−26,−25	1	4	5	1	0
−28,−27	1	7	5	1	+
30.−29		1	5	3	+
−32,−31	2	6	2	+	0
≤−33	2	7	2	+	0

Mys Uelen

4845 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−12	2	5	5	3	1
−14.−13	+	1	1	+	+
−16,−15	1	2	2	+	0
−18,−17	2	4	2	+	+
−20,−19	1	3	3	+	0
−22,−21	2	4	4	+	0
−24,−23	2	5	4	+	+
−26,−25	2	4	4	+	+
−28,−27	3	3	4	1	+
−30.−29	1	2	2	+	0
S-3'	5	4	2	+	0

Tin City

19490 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	3	6	7	3	+
−12,−11	+	1	2	1	+
−14,−13	1	1	3	2	+
−16,−15	+	1	2	3	+
−18,−17	1	1	3	3	+
−20,−19	+	1	4	5	+
−22,−21	+	1	3	4	+
−24,−23	+	1	4	6	1
−26,−25	+	1	3	3	1
−28,−27	+	1	3	3	1
≤−29	+	1	4	4	1

Kottebue

21958 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	+	4	7	3	+
−10,−9	+	3	3	1	+
−12,−11	+	2	2	1	+
−14,−13	1	4	2	1	+
−16,−15	1	3	2	1	+
−18,−17	1	4	2	1	+
−20,−19	2	5	2	1	+
−22,−21	1	3	2	+	+
−24,−23	1	5	2	+	+
−26,−25	1	3	1	+	+
S-27	5	11	4	1	+

Cape Lisburne

19166 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−12	3	4	4	3	1
−14,−13	1	2	1	+	+
−16,−15	1	2	1	+	+
−18,−17	1	3	1	+	+
−20,−19	2	4	3	+	+
−22,−21	1	5	3	+	+
−24,−23	1	6	5	1	+
−26,−25	1	4	3	+	+
−28,−27	2	4	3	+	+
−30,−29	2	4	2	+	+
≤−31	4	4	2	+	+

Point Ley

3327 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	2	8	4	1	+
−20,−19	1	2	1	1	0
−22,−21	1	2	2	1	+
−24,−23	1	3	3	2	+
26,−25	1	2	2	2	+
−28,−27	1	4	3	2	+1
−30,−29	1	5	4	2	+
−32,−31	1	4	3	1	+
−34,−33	1	4	3	1	0
−36,−35	1	3	2	+	0
≤−37	3	6	3	+	+

Barrow

18810 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	+	4	4	1	+
−20,−19	+	3	3	+	+
−22,−21	+	3	3	+	+
−24,−23	1	6	6	1	+
−26,−25	+	5	5	+	0
−28,−27	1	9	6	+	0
−30,−29	1	9	4	+	0
−32,−31	1	6	2	+	0
−34,−33	+	6	1	0	0
−36,−35	+	3	1	0	0
≤−37	+	4	1	0	0

Lonely

3494 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	2	4	3	1	+
−20,−19	1	2	2	1	+
−22,−21	+	3	2	+	+
−24,−23	1	4	4	1	+
−26,−25	1	4	3	1	+
−28,−27	2	6	3	+	+
−30,−29	3	7	3	+	+
−32,−31	2	5	1	+	0
−34,−33	2	5	1	+	0
−36,−35	2	4	+	0	0
≤−37	4	9	+	0	0

Oliktok

3344 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	1	4	3	1	+
−20,−19	1	2	2	1	+
−22,−21	+	2	2	1	+
−24,−23	1	3	4	1	+
−26,−25	1	3	4	1	0
−28,−27	2	4	4	1	+
−30,−29	2	6	4	+	+
−32,−31	1	4	2	+	0
−34,−33	2	5	2	+	0
−36,−35	1	5	1	+	0
≤−37	3	9	3	0	0

Barter

18626 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	1	4	4	2	1
−20,−19	1	2	3	1	+
−22,−21	1	2	3	1	+
−24,−23	1	4	4	1	+
−26,−25	1	4	4	1	+
−28,−27	1	6	61	1	+
−30,−29	1	5	5	1	+
−32,−31	1	4	3	+	+
−34,−33	1	4	3	+	+
−36,−35	1	3	1	+	+
≤−37	1	4	1	+	+

Tuktoyaktuk

3160 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	1	5	5	+	+
−20,−19	1	3	2	+	+
−22,−21	1	3	2	+	0
−24,−23	1	5	5	+	0
−26,−25	1	5	4	+	0
−28,−27	2	6	5	+	0
−30,−29	2	7	4	+	0
−32,−31	2	5	2	+	0
−34,−33	2	6	2	0	0
−36,−35	1	4	1	0	0
≤−37	1	4	1	0	0

Cape Parry

19837 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−18	1	3	3	+	+
−20,−19	1	2	2	+	+
−22,−21	1	2	2	+	0
−24,−23	2	3	4	1	+
−26,−25	2	3	4	1	+
−28,−27	4	5	6	1	+
−30,−29	3	5	5	1	+
−32,−31	3	4	3	+	0
−34,−33	3	4	3	+	0
−36,−35	2	3	1	+	0
L-37	2	3	1	+1	0

Clinton Point

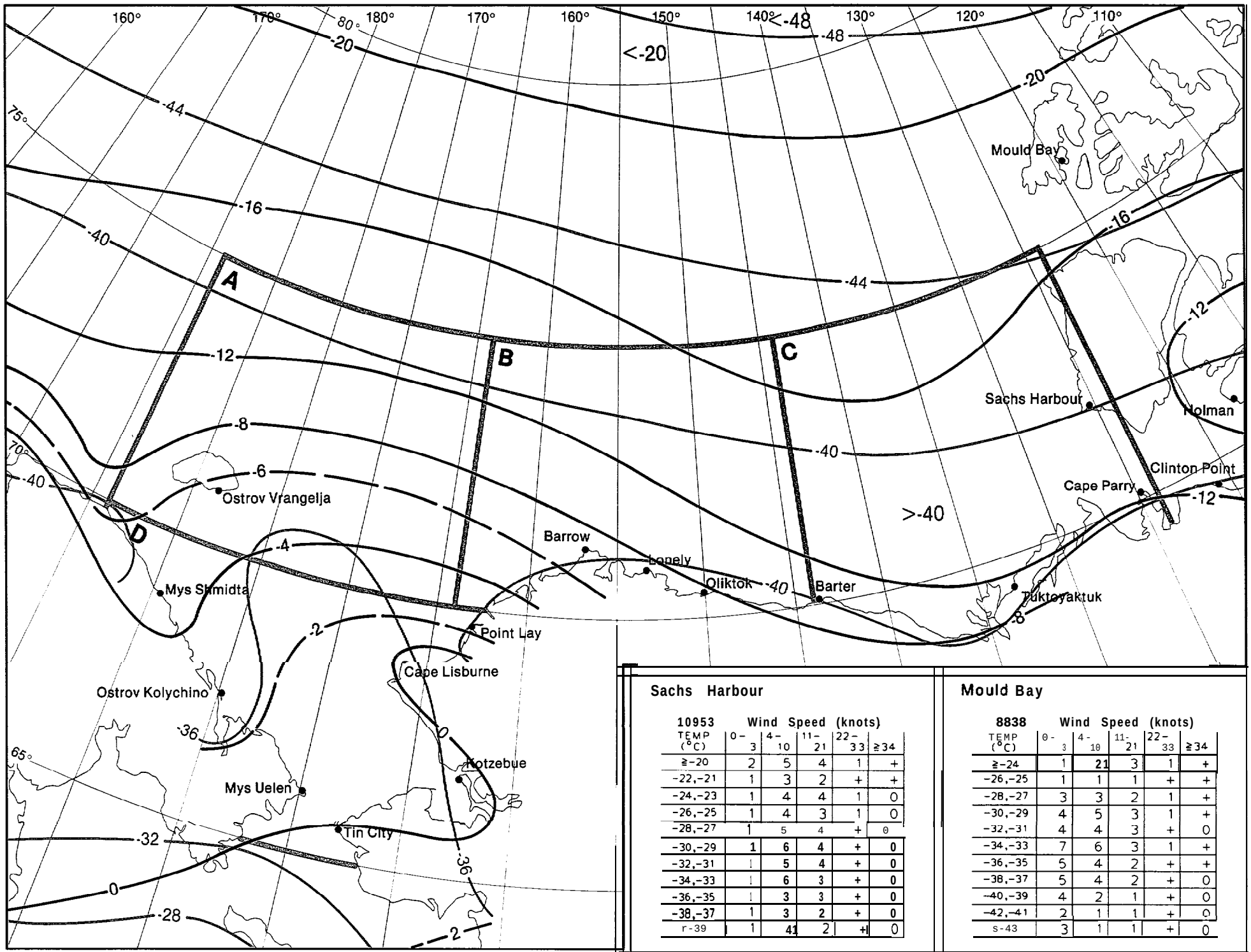
4702 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-20	1	3	4	+	+
−22,−21	+	3	2	+	+
−24, 23	1	5	4	+	0
−26,−25	1		4	+	0
−28,−27	2	7	5	1	0
−30,−29	2	8	5	+	0
−32,−31	2	6	2	+	0
−34,−33	3	7	3	+	0
−36,−35	1	4	1	+	0
−38,−37	1	3	+	0	0
≤−39	+	3	+	0	0

Holman

3212 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−16	2	21	11	11	+
−18,−17	2	1	1	+	+
−20,−19	2	2	1	1	+
−22,−21	2	2	2	1	+
−24,−23	4	4	2	1	1
−26,−25	3	4	3	3	+
−28,−27	4	5	3	2	+
−30,−29	4	6	3	1	+
−32,−31	3	4	1	1	+
−34,−33	3	4	1	1	+
≤−35	2	3	1	+	+



Sachs Harbour

10953 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
≧-20	2	5	4	1	+
-22,-21	1	3	2	+	+
-24,-23	1	4	4	1	0
-26,-25	1	4	3	1	0
-28,-27	1	5	4	+	0
-30,-29	1	6	4	+	0
-32,-31	1	5	4	+	0
-34,-33	1	6	3	+	0
-36,-35	1	3	3	+	0
-38,-37	1	3	2	+	0
r-39	1	41	2	+l	0

Mould Bay

8838 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
≧-24	1	21	3	1	+
-26,-25	1	1	1	+	+
-28,-27	3	3	2	1	+
-30,-29	4	5	3	1	+
-32,-31	4	4	3	+	0
-34,-33	7	6	3	1	+
-36,-35	5	4	2	+	+
-38,-37	5	4	2	+	0
-40,-39	4	2	1	+	0
-42,-41	2	1	1	+	0
s-43	3	1	1	+	0

Marine Area A

297 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
≧-18	+	6	9	2	0
-20,-19	+	2	2	0	0
-22,-21	1	3	2	+	0
-24,-23	+	3	3	+	0
-26,-25	+	3	3	1	0
-28,-27	+	5	3	+	0
-30,-29	+	9	2	0	0
-32,-31	2	5	3	0	0
-34,-33	1	6	1	0	0
-36,-35	+	7	3	0	0
s-37	2	5	1	0	0

Marine Area B

56 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
P-14	0	0	5	2	0
-16,-15	0	5	2	0	0
-18,-17	2	5	13	0	0
-20,-19	0	4	7	0	0
-22,-21	0	2	2	0	0
-24,-23	0	4	2	0	0
-26,-25	0	7	2	0	0
-28,-27	0	4	2	0	0
-30,-29	2	0	5	0	0
-32,-31	0	13	5	0	0
≦-33	4	4	0	0	0

Marine Area C

350 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
P-16	1	1	1	1	0
-18,-17	0	1	1	1	0
-20,-19	+	1	1	1	1
-22,-21	0	2	3	2	+
-24,-23	1	3	5	2	0
-26,-25	4	9	9	1	0
-28,-27	3	12	5	1	0
-30,-29	1	6	5	+	0
-32,-31	2	5	1	1	0
-34,-33	1	2	1	0	0
≦-35	1	1	1	0	0

Marine Area D

101 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≧34
≧-4	0	6	1	1	0
-6,-5	0	6	5	1	0
-8,-7	0	2	0	0	0
-10,-9	1	4	3	1	0
-12,-11	0	2	5	2	0
-14,-13	0	2	9	1	0
-16,-15	0	3	7	8	1
-18,-17	0	2	6	2	1
-20,-19	0	1	1	0	1
-22,-21	0	2	0	0	0
≦-23	0	2	6	5	1

Ostrov Vrangslja

4427 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	3	3	+	+
−12,−11	1	2	2	1	+
−14,−13	2	2	2	1	+
−16,−15	3	3	3	1	+
−18,−17	4	5	4	3	+
−20,−19	3	3	2	2	+
−22,−21	5	4	3	2	+
−24,−23	5	3	2	1	+
−26,−25	5	2	1	+	+
−28,−27	4	1	+	+	0
≤−29	3	+	0	0	+

Mys Shmidta

4665 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	5	3	1	0
−12,−11	1	2	1	+	+
−14,−13	1	2	2	+	+
−16,−15	2	3	3	+	+
−18,−17	2	5	4	1	+
−20,−19	2	3	3	1	+
−22,−21	3	5	5	1	+
−24,−23	3	5	4	1	+
−26,−25	3	4	3	+	+
−28,−27	3	3	2	+	+
≤−29	4	2	+	+	0

Ostrov Kolychino

2719 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	5	5	1	+
−10,−9	+	1	2	+	0
−12,−11	1	2	2	+	0
−14,−13	1	3	2	+	0
−16,−15	1	4	3	1	0
−18,−17	1	5	4	1	+
−20,−19	2	4	3	1	+
−22,−21	2	6	5	1	0
−24,−23	2	7	3	+	+
−26,−25	2	5	1	+	+
≤−27	2	7	1	+	0

Mys Uelen

4644 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−6	2	4	5	2	1
−8,−7	2	2	2	+	+
−10,−9	1	1	1	+	0
−12,−11	2	3	2	+	0
−14,−13	2	3	2	+	0
−16,−15	1	3	4	1	0
−18,−17	3	6	6	1	0
−20,−19	2	4	3	+	+
−22,−21	3	4	3	+	0
−24,−23	3	3	2	+	0
≤−25	4	3	2	+	0

Tin City

19252 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−4	2	5	9	3	+
−6,−5	+	1	3	1	+
−8,−7	+	1	3	1	+
−10,−9	+	2	3	2	+
−12,−11	+	1	3	2	+
−14,−13	1	2	4	3	+
−16,−15	1	1	5	3	+
−18,−17	1	2	5	4	+
−20,−19	+	1	5	4	+
−22,−21	+	+	3	3	+
≤−23	+	+	4	3	+

Kotzabue

21265 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−2	1	5	6	2	+
−4,−3	1	3	3	1	+
−6,−5	1	3	2	+	+
−8,−7	1	5	3	1	+
−10,−9	1	5	3	1	+
−12,−11	1	3	2	1	+
−14,−13	1	5	3	1	+
−16,−15	1	3	2	+	0
−18,−17	1	4	2	+	+
−20,−19	1	4	2	+	+
≤−21	3	9	2	+	+

Cape Lisburne

19118 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−6	2	5	6	3	+
−8,−7	1	2	1	1	+
−10,−9	1	3	1	+	+
−12,−11	2	2	1	+	+
−14,−13	3	5	2	+	+
−16,−15	2	5	2	+	+
−18,−17	3	5	3	+	+
−20,−19	2	6	3	+	0
−22,−21	2	5	3	+	0
−24,−23	2	4	2	+	+
≤−25	2	3	2	+	+

Point Lay

3158 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–331334	≥34
P-10	2	7	5	2	+
−12,−11	1	2	1	+	+
−14,−13	1	3	2	+	+
−16,−15	1	4	2	1	+
−18,−17	1	4	3	1	+
−20,−19	2	4	3	1	+
−22,−21	1	4	3	1	+
−24,−23	1	4	4	2	+
−26,−25	1	3	2	1	+
−28,−27	1	3	2	1	+
≤−29	2	6	3	1	0

Barrow

18230 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
s-10	1	6	6	+	0
−12,−11	+	2	2	+	0
−14.−13	+I	4	4	+	0
−16,−15	+	4	3	+	+
−18.−17	1	5	4	+I	+
−20,−19	1	7	4	+	0
−22,−21	1	6	3	+	0
−24,−23	1	7	4	+	0
−26,−25	1	5	2	+	0
−28,−27	1	6	1	+	0
≤−29	+	6	1	+I	0

Lonely

3311 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	6	3	1	+
−12,−11	1	2	1	+	+
−14,−13	2	4	2	1	+
−16,−15	1	4	2	+	+
−18,−17	1	5	2	1	+
−20,−19	2	6	2	+	+
−22,−21	2	5	2	1	+
−24,−23	2	6	3	+	0
−26,−25	2	4	1	+	+
−28,−27	2	4	1	+	+
≤−29	3	8	1	+	0

Oliktok

3205 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	5	4	1	+
−12,−11	1	2	1	+	0
−14,−13	1	3	3	1	0
−16,−15	1	3	2	+	0
−18,−17	2	5	2	+	+
−20,−19	2	5	3	+	0
−22,−21	1	5	3	1	+
−24,−23	2	5	3	+	0
−26,−25	2	4	2	+	+
−28,−27	1	5	2	+	+
≤−29	2	8	2	+	0

Barter

18134 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	8	5	1	+
−12,−11	1	2	2	+	+
−14,−13	1	4	3	1	+
−16,−15	1	3	3	1	+
−18,−17	1	5	4	1	+
−20,−19	1	5	4	1	+
−22,−21	1	4	3	1	+
−24,−23	1	5	3	1	+
−26,−25	1	3	2	+	+
−28,−27	1	4	2	+	+
≤−29	1	6	2	+	+

Tuktoyaktuk

3153 'Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	234
≥−8	1	7	5	+I	+
−10,−9	1	4	2	+	+
−12,−11	+I	2	2	+I	0
−14,−13	1	4	4	+	0
−16,−15	1	4	2	+	0
−18,−17	1	5	4	+	0
−20,−19	1	6	3	+	0
−22,−21	1	4	2	+	0
−24,−23	2	5	2	+	0
−26,−25	1	3	1	+	0
S-27	3	9	2	+	0

Cape Parry

19195 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	5	6	1	+
−12,−11	1	2	2	+	+
−14,−13	1	2	3	1	+
−16,−15	1	2	3	1	+
−18,−17	2	3	5	1	+
−20,−19	2	4	4	1	+
−22,−21	2	3	3	1	+
−24,−23	3	4	3	+	0
−26,−25	2	3	2	+	+
−28,−27	2	3	2	+	+
≤−29	3	4	2	+	+

Clinton Point

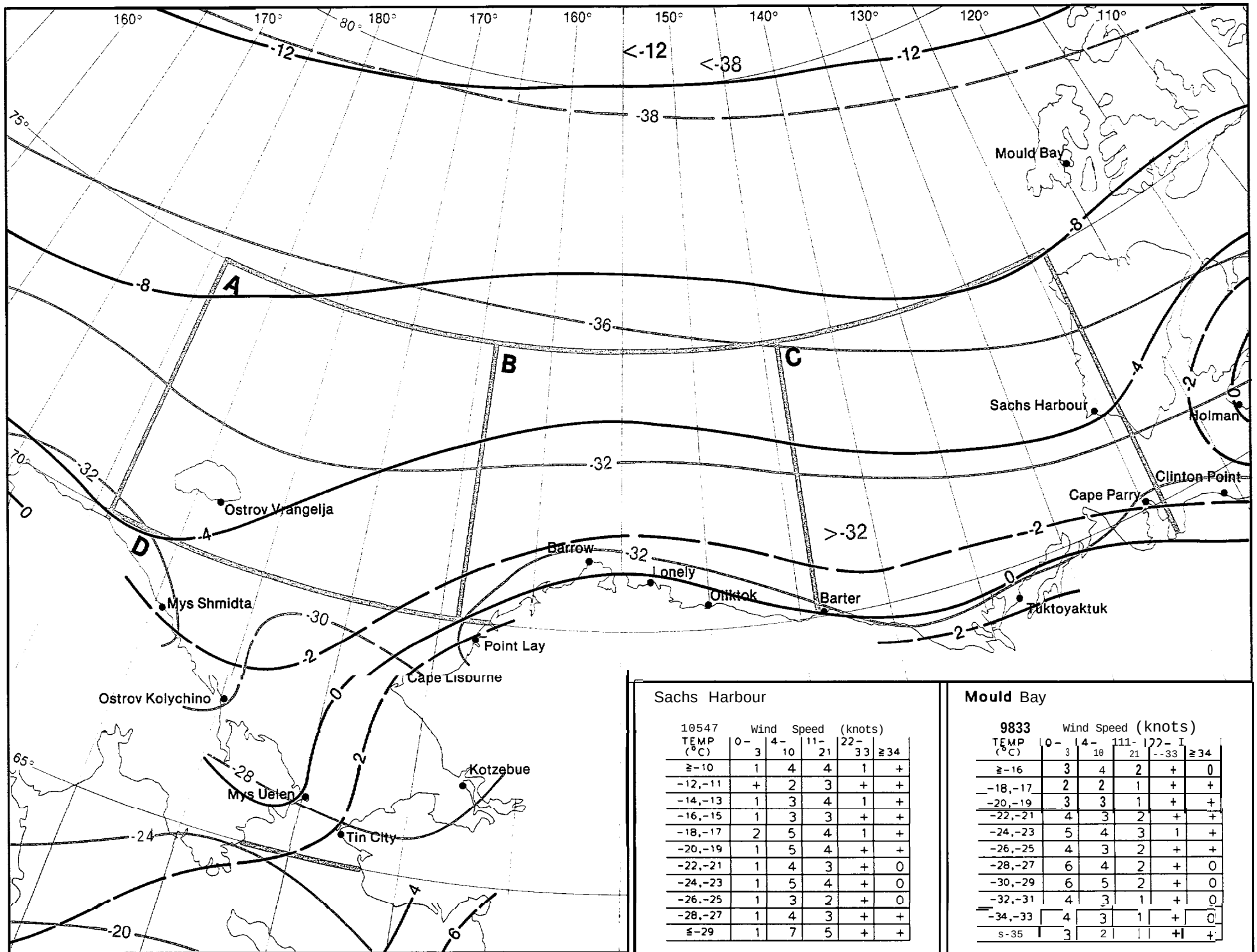
4456 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	2	9	5	+	0
−12,−11	1	3	1	+	0
−14,−13	1	3	2	1	+
−16,−15	1	4	2	+	0
−18,−17	1	3	4	1	+
−20,−19	1	5	4	1	0
−22,−21	1	4	3	+	0
−24,−23	2	5	2	+	0
−26,−25	1	4	1	1	0
−28,−27	2	4	1	+	0
≤−29	3	8	1	+	0

Holman

3106 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-8	4	3	3	1	+
−10,−9	2	2	1	+	+
−12,−11	2	2	1	+	+
−14,−13	3	4	1	1	+
−16,−15	2	2	2	1	+
−18,−17	4	4	3	1	+
−20,−19	5	4	3	1	+
−22,−21	3	4	2	1	+
−24,−23	4	4	2	1	+
−26,−25	2	3	1	+I	+
≤−27	4	5	2	1	+



Sachs Harbour

10547 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-10	1	4	4	1	+
-12,-11	+	2	3	+	+
-14,-13	1	3	4	1	+
-16,-15	1	3	3	+	+
-18,-17	2	5	4	1	+
-20,-19	1	5	4	+	+
-22,-21	1	4	3	+	0
-24,-23	1	5	4	+	0
-26,-25	1	3	2	+	0
-28,-27	1	4	3	+	+
≤-29	1	7	5	+	+

Mould Bay

9833 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-16	3	4	2	+	0
-18,-17	2	2	1	+	+
-20,-19	3	3	1	+	+
-22,-21	4	3	2	+	+
-24,-23	5	4	3	1	+
-26,-25	4	3	2	+	+
-28,-27	6	4	2	+	0
-30,-29	6	5	2	+	0
-32,-31	4	3	1	+	0
-34,-33	4	3	1	+	0
S-35	3	2	1	+	+

Marine Area A

279 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-14	1	12	5	1	0
-16,-15	+	4	2	0	0
-18,-17	1	3	3	0	0
-20,-19	+	2	+	0	0
-22,-21	0	1	1	0	0
-24,-23	3	6	3	0	0
-26,-25	0	9	1	0	0
-28,-27	1	9	2	0	0
-30,-29	1	13	1	0	0
-32,-31	+	8	1	0	0
S-33	1	5	0	0	0

Marine Area B

192 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-6	0	5	9	1	0
-8,-7	1	1	3	0	0
-10,-9	0	1	3	0	1
-12,-11	0	1	6	1	0
-14,-13	0	0	5	4	0
-16,-15	0	1	5	4	0
-18,-17	0	0	4	4	0
-20,-19	1	4	7	4	1
-22,-21	1	8	6	3	2
-24,-23	0	4	3	1	3
≤-25	0	1	0	0	0

Marine Area C

255 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-6	2	1	4	1	0
-8,-7	2	2	3	+	0
-10,-9	1	8	4	0	0
-12,-11	1	4	5	1	0
-14,-13	1	3	3	1	0
-16,-15	1	4	4	1	0
-18,-17	2	4	3	+	1
-20,-19	2	3	3	2	+
-22,-21	+	4	2	2	1
-24,-23	+	3	2	3	0
≤-25	1	5	1	0	0

Marine Area D

179 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	1	4	6	2	0
-2,-1	1	3	9	0	1
-4,-3	1	3	4	1	0
-6,-5	1	1	4	0	0
-8,-7	0	1	4	0	0
-10,-9	0	2	3	0	0
-12,-11	1	9	4	0	0
-14,-13	3	6	6	0	0
-16,-15	0	7	4	0	0
-18,-17	1	2	2	0	0
≤-19	1	2	1	1	1

Ostrov Vrangalja

424 1 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥9	1	1	+	+	0
0.1	1	2	+I	+I	+
-2,-1	2	6	3	+	+
-4,-3	4	6		I	+
-6,-5	3	7	4	I	+
-8,-7	3	8	5	2	I
-10,-9	3	4	3	1	+
12,-11	2	4	3	1	+
14,-13	2	2	2	+	0
-16,-15	1	1	1	+	+
≤-17	2	1	+	+	+

Mys Shmidta

4486 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	2	3	1	+	0
0,1	1	2	1	+	0
-2,-1	2	6	3	+	+
-4,-3	2	8	5	+	+
-6,-5	2	8	4	1	0
-8,-7	2	7	4	+	+
-10,-9	1	3	3	1	+
-12,-11	2	4	3	+	+
-14,-13	1	4	2	+	+
-16,-15	1	2	1	+	0
≤-17	2	2	1	+	0

Ostrov Kolychino

2906 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥4	+	1	+	0	0
2,3	1	1	2	+	0
0,1	+	3	3	+	0
-2,-1	1	7	4	1	+
-4,-3	2	9	5	1	+
-6,-5	2	9	5	+	+
-8,-7	1	7	4	1	+
-10,-9	1	4	2	+	0
-12,-11	1	5	2	+	0
-14,-13	+	5	3	+	0
≤-15	+	4	2	+	0

Mys Uelen

4512 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥4	+	+	+	0	0
2,3	1	1	1	+	+
0,1	3	4	3	1	+
-2,-1	3	9	7	3	1
-4,-3	3	9	6	1	+
-6,-5	2	7	4	+	0
-8,-7	2	5	3	+	0
-10,-9	1	3	3	+	0
-12,-11	1	2	2	+	0
-14,-13	1	1	2	+	0
s-15	1	1	1	+	+

Tin City

20704 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
16	1	1	+	+	0
4.5	1	1	1	+I	0
2,3	1	2	3	+	+
0,1	2	5	9	2	+
-2,-1	1	5	11	3	+
-4,-3	1	4	10	4	+
-6,-5	+	2	5	3	+
-8,-7	1	1	3	2	+
-10,-9	+	1	3	1	0
-12,-11	+	1	2	1	0
s-13	+	1	2	2	+

Kottebue

21217 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥8	+	2	2	+	0
6,7	+	3	1	+	0
4,5	1	4	2	+	0
2,3	2	10	6	+	0
0,1	3	13	7	1	+
-2,-1	1	7	4	+	0
-4,-3	1	6	3	+	0
-6,-5	1	3	1	+	+
-8,-7	1	2	1	+	0
-10,-9	1	2	1	+	0
≤-11	2	3	2	+	0

Cape Lisburne

20422 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥6	1	1	+	+	+
4,5	1	1	1	+	+
2,3	2	3	2	1	+
0,1	3	6	4	1	+
-2,-1	3	8	4	1	+
-4,-3	3	10	6	1	+
-6,-5	2	6	4	+	0
-8,-7	1	5	3	+	+
-10,-9	1	3	2	+	0
-12,-11	1	2	1	+	0
≤-13	2	4	2	+	0

Point Lay

3181 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥4	1	2	1	+	0
2,3	1	4	2	+	0
0,1	2	6	3	1	+
-2.-1	1	6	4	1	+
4, 3	2	6	5	2	+
-6,-5	1	41	4	1	+
-8,-7	2	4	4	2	+
-10,-9	1	3	3	2	+
-12,-11	1	2	2	1	+
-14,-13	1	3	2	1	0
≤-15	1	3	2	1	0

Barrow

18097 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
42	+	1	+	+	0
0,1	+	3	1	+	0
-2,-1	+	4	3	+	0
-4,-3	1	8	6	+	0
-6,-5	1	8	7	+	0
-8,-7	1	9	8	+	0
-10,-9	1	7	6	+	0
-12,-11	+	5	3	+	0
-14,-13	+	5	3	+	0
-16,-15	+	2	1	+	0
≤-17	+	3	1	+	0

Lonely

3285 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	1	3	1	+	0
0,1	1	4	1	+	0
-2,-1	2	5	2	+	0
-4,-3	2	9	4	1	+
-6,-5	2	7	4	1	+
-8,-7	3	8	5	1	0
-10,-9	2	6	5	1	0
-12,-11	1	3	2	+	+
-14,-13	1	3	2	+	0
-16,-15	+	2	1	+	+
≤-17	·1	3	1	+	+

Oliktok

3227 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	1	2	+	+	+
0,1	2	4	2	+	0
-2,-1	2	5	3	+	+
-4,-3	3	8	4	1	0
-6,-5	2	6	5	1	+
-8,-7	3	6	5	1	+
-10,-9	2	5	4	1	0
-12,-11	1	3	2	+	0
-14,-13	1	3	2	+	0
-16,-15	1	1	1	+	0
≤-17	1	3	1	+	0

Barter

18070 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	+	2	+	+	0
0,1	1	4	3	+	+
-2,-1	1	6	4	1	+
-4,-3	1	10	8	1	+
-6,-5	1	6	5	1	+
-8,-7	1	6	5	1	+
-10,-9	1	5	4	1	+
-12,-11	1	3	2	+	+
-14,-13	+	3	2	1	+
-16,-15	+	1	1	+	+
c-17	+	2	2	+	+

Tuktoyaktuk

3303 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥4	+	3	1	0	0
2,3	+	4	2	+	0
0,1	1	7	4	+	0
-2,-1	1	6	4	+	0
-4,-3	2	8	6	+	0
-6,-5	1	5	4	+I	0
-8,-7	1	6	4	+	0
-10,-9	1	5	3	+I	0
-12,-11	1	3	2	+	0
-14,-13	1	3	2	0	0
s-15	1	5	3	+	0

Cape Parry

19347 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	1	1	1	+	0
0,1	1	3	3	1	0
-2,-1	1	4	4	+	+
-4,-3	2	6	7	1	+
-6,-5	1	5	5	1	+
-8,-7	2	6	6	1	0
-10,-9	1	4	5	1	+
-12,-11	1	3	3	1	+
-14,-13	1	3	3	1	+
-16,-15	1	1	1	+	+
≤-17	2	2	2	+	0

Clinton Point

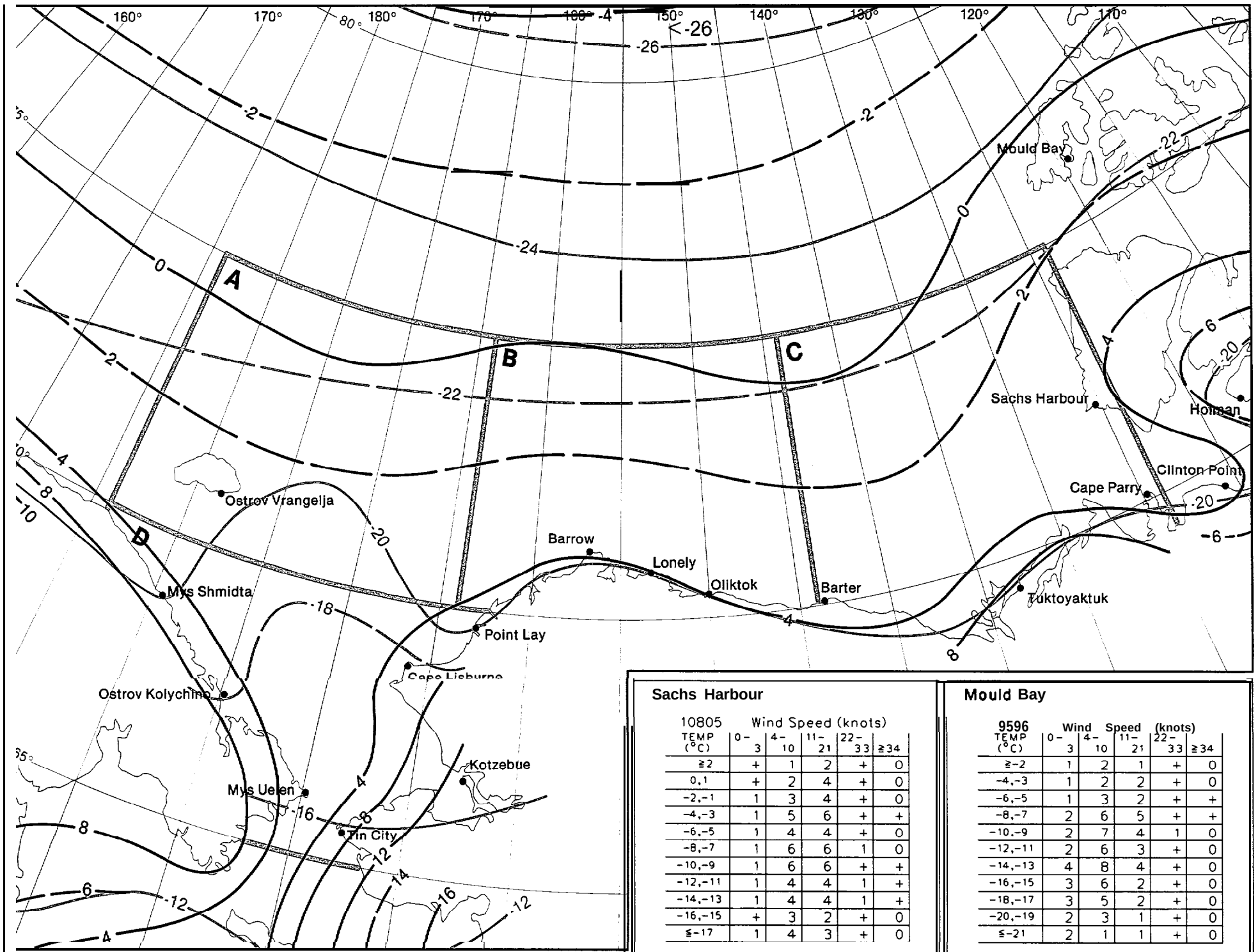
4420 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	+	1	+	0	0
0,1	2	8	4	+	0
-2,-1	1	4	3	+	+
-4,-3	2	5	5	1	0
-6,-5	1	5	3	1	0
-8,-7	2	7	4	1	+
-10,-9	1	5	3	+	+
-12,-11	1	4	2	+	+
-14,-13	1	4	3	+	+
-16,-15	1	3	1	+	+
≤-17	2	8	1	+	0

Holman

3206 Wind Speed (knots)

TEMP (°C)	0 - 3	4 - 10	11 - 21	22 - 33	≥34
≥2	3	3	1	+	+
0,1	2	4	2	+	0
-2,-1	2	3	2	+	0
-4,-3	3	7	4	1	0
-6,-5	2	5	3	1	+
-8,-7	4	6	4	1	+
-10,-9	3	5	3	1	+
-12,-11	2	3	2	+	+
-14,-13	2	3	2	+	0
-16,-15	1	2	1	+	0
≤-17	1	2	1	+	+



Sachs Harbour

10805 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥2	+	1	2	+	0
0,1	+	2	4	+	0
-2,-1	1	3	4	+	0
-4,-3	1	5	6	+	+
-6,-5	1	4	4	+	0
-8,-7	1	6	6	1	0
-10,-9	1	6	6	+	+
-12,-11	1	4	4	1	+
-14,-13	1	4	4	1	+
-16,-15	+	3	2	+	0
≤-17	1	4	3	+	0

Mould Bay

9596 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-2	1	2	1	+	0
-4,-3	1	2	2	+	0
-6,-5	1	3	2	+	+
-8,-7	2	6	5	+	+
-10,-9	2	7	4	1	0
-12,-11	2	6	3	+	0
-14,-13	4	8	4	+	0
-16,-15	3	6	2	+	0
-18,-17	3	5	2	+	0
-20,-19	2	3	1	+	0
≤-21	2	1	1	+	0

Marine Area A

182 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	934
≥-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-4,-3	1	4	3	0	0
-6,-5	0	4	4	0	0
-8,-7	7	5	9	0	0
-10,-9	1	6	8	0	0
-12,-11	0	5	7	2	0
-14,-13	1	5	5	1	0
-16,-15	1	3	3	0	0
-18,-17	0	4	3	0	0
-20,-19	0	6	1	0	0
≤-21	0	3	0	0	0

Marine Area B

34 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥0	0	0	0	0	0
-2,-1	0	0	3	0	0
-4,-3	0	6	0	0	0
-6,-5	0	9	3	6	0
-8,-7	6	6	3	0	0
-10,-9	3	0	6	6	3
-12,-11	0	0	9	0	0
-14,-13	3	9	12	0	0
-16,-15	0	3	6	0	0
-18,-17	0	0	0	0	0
≤-19	0	0	0	0	0

Marine Area C

424 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥4	1	+	0	0	0
2,3	1	3	2	0	0
0,1	1	4	1	1	0
-2,-1	2	6	5	+	0
-4,-3	+	3	6	+	0
-6,-5	1	5	3	0	0
-8,-7	1	4	4	+	+
-10,-9	3	8	4	1	1
-12,-11	1	8	6	+	0
-14,-13	1	5	3	+	0
≤-15	+	1	2	0	0

Marine Area D

167 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥8	0	0	0	0	0
6,7	0	0	0	0	0
4,5	0	1	0	0	0
2,3	0	5	5	0	0
0,1	6	14	11	3	0
2, 1	1	7	13	1	0
-4,-3	1	4	7	5	2
-6,-5	1	5	2	0	1
-8,-7	0	1	2	0	0
-10,-9	0	1	0	0	0
≤-11	0	2	1	0	0

Ostrov Vrangelja

4288 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	+	0	+	0	0
8,9	0	+	0	0	0
6,7	+	+	+	+	0
4,5	1	2	1	+	+
2,3	6	12	4	+	+
0,1	7	17	5	1	+
-2,-1	7	14	5	+	+
-4,-3	3	6	2	+	+
-6,-5	1	2	1	+	+
-8,-7	+	+	+	+	+
≤-9	0	+	+	0	0

Mys Shmidta

4502 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	1	2	1	0	0
8,9	1	1	1	+	+
6,7	1	2	1	+	0
4,5	1	5	2	+	0
2,3	3	13	6	1	+
0,1	2	17	5	+	+
-2,-1	3	15	4	+	+
-4,-3	1	5	1	+	+
-6,-5	+	2	1	+	+
-8,-7	+	+	+	+	0
≤-9	0	0	0	+	0

Ostrov Kolychino

2764 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	+	1	2	0	0
8,9	+	1	2	+	0
6,7	1	2	3	+	0
4,5	1	4	5	1	0
2,3	2	9	8	1	0
0,1	3	12	6	+	0
-2,-1	2	14	5	+	0
-4,-3	1	5	2	+	+
-6,-5	1	2	1	+	0
-8,-7	0	1	+	0	0
≤-9	0	+	+	0	0

Mys Uelen

4479 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	+	+	0	0
10,11	+	+	+	+	0
8,9	+	1	1	0	0
6,7	[illegible]	2	2	[illegible]	0
4.5	2	4	4	[illegible]	+
2,3	6	12	8	3	+
0,1	5	10	7	2	+
-2,-1	3	9	6	1	+
-4,-3	1	2	2	+	0
-6,-5	+	+	+	+	0
s-7	0	0	0	0	0

Tin City

19939 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	1	1	+	+	0
10.11	1	2	1	+	0
8,9	1	2	2	+	0
6,7	2	5	4	+	+
4,5	2	5	5	1	+
2,3	2	8	11	2	0
0,1	2	9	14	3	+
-2,-1	1	4	6	1	+
-4,-3	+	1	2	1	0
-6,-5	+	+	+	+	0
6-7	0	+	0	0	0

Kotzebue

20512 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥16	+	2	1	+	0
14,15	+	2	1	+	0
12,13	+	4	2	+	0
10,11	1	6	4	+	0
8,9	1	5	4	+	0
6,7	1	8	6	+	0
4,5	1	7	5	+	0
2,3	1	10	7	1	0
0,1	1	7	7	1	+
-2,-1	+	1	2	+	0
≤-3	+	+	+	+	0

Cape Lisburne

19396 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	1	1	+	+
10,11	1	1	1	1	+
8,9	1	2	2	1	+
6,7	4	4	2	1	+
4,5	4	5	2	1	+
2,3	8	11	3	1	+
0,1	8	15	5	+	+
-2,-1	2	7	2	+	+
-4,-3	1	1	1	+	+
-6,-5	+	+	+	0	0
≤-7	+	+	+	0	0

Point Lay

3124 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥14	+	2	1	+	0
12,13	1	2	1	+	0
10,11	1	4	1	+	0
8,9	1	5	2	+	0
6,7	2	7	2	+	0
4,5	2	8	2	1	+
2,3	3	12	5	1	+
0,1	3	12	5	1	0
-2,-1	1	4	2	+	0
-4,-3	+	1	1	+	+
≤-5	+	1	+	0	0

Barrow

17498 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	234
≥10	+	1	1	0	0
8,9	+	1	+	+	0
6,7	+	2	1	+	0
4.5	+	3	2	+	0
2.3	1	8	6	+	0
0,1	1	23	15	+	0
-2,-1	1	12	9	+	+
-4,-3	+	5	5	+	0
-6,-5	+	1	1	+	0
-8,-7	+	+	+	+	0
≤-9	+	+	+	+	0

Lonely

3194 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	1	2	+	+	0
8,9	+	1	+	0	0
6,7	1	3	1	+	0
4,5	1	5	2	+	0
2,3	3	12	4	+	0
0,1	5	22	9	1	0
-2,-1	2	9	4	1	0
-4,-3	+	3	2	+	0
-6,-5	+	1	1	+	0
-8,-7	+	1	+	0	0
≤-9	+	+	0	0	0

Oliktok

3131 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	1	1	+	0	0
8,9	1	1	+	0	0
6,7	1	3	1	+	0
4.5	2	5	2	+	0
2,3	3	13	7	+	0
0,1	5	19	11	1	+
-2,-1	1	8	5	+	+
-4,-3	1	2	2	+	+
-6,-5	+	1	1	+	0
-8,-7	+	1	+	+	0
≤-9	0	+	0	0	0

Barter

17672 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	+	1	+	0	0
8,9	+	1	+	+	0
6,7	+	2	1	+	0
4,5	1	3	2	+	0
2,3	1	11	7	+	0
0,1	3	25	16	1	+
-2,-1	1	8	8	1	0
-4,-3	+	3	3	+	0
-6,-5	+	+	1	+	0
-8,-7	+	+	+	0	0
L-9	0	+	+	0	0

Tuktoyaktuk

3111 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥14	+	5	2	0	0
12,13	+	2	2	0	0
10,11	+	4	2	+	0
8,9	+	3	3	+	0
6,7	1	6	4	+	0
4,5	1	6	3	+	0
2,3	1	11	7	+	0
0,1	1	14	7	+	0
-2,-1	+	5	2	+	0
-4,-3	+	3	1	0	0
≤-5	+	1	+	0	0

Cape Parry

18718 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	1	1	1	+	0
8,9	1	1	1	+	0
6,7	1	2	2	+	0
4,5	1	4	4	+	0
2,3	2	9	10	1	0
0,1	3	13	15	2	+
-2,-1	1	7	6	+	0
-4,-3	1	3	3	1	+
-6,-5	+	1	1	+	+
-8,-7	+	+	1	+	0
≤-9	+	+	+	+	0

Clinton Point

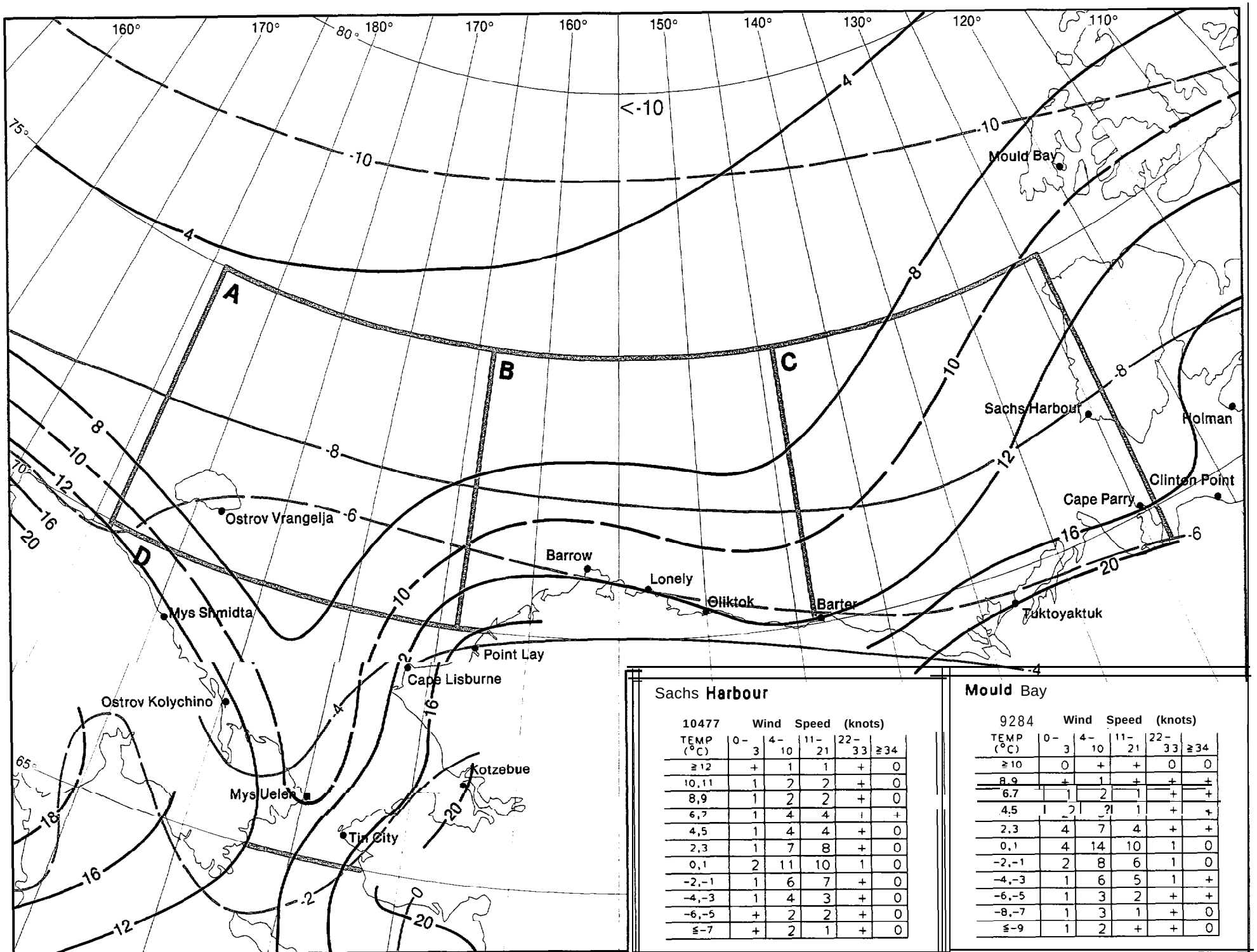
4450 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
212	+	2	1	+	0
10.11	+	2	1	0	0
8,9	+	2	1	0	0
6,7	1	4	1	+	0
4,5	1	6	2	+	0
2,3	3	14	6	+	0
0,1	5	18	7	1	0
-2,-1	2	7	2	+	0
-4,-3	1	3	2	0	0
-6,-5	+	2	1	0	0
≤-7	1	2	1	0	0

Holman

3110 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
912	1	2	2	+	0
10,11	2	1	1	+	0
8,9	2	2	1	+	0
6,7	2	5	2	+	0
4,5	2	5	2	+	+
2,3	4	9	5	1	+
0,1	6	13	6	2	+
-2,-1	3	6	2	+	0
-4,-3	2	3	1	+	0
-6,-5	1	1	1	+	0
≤-7	+	1	1	+	0



Sachs **Harbour**

10477 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	1	1	+	0
10,11	1	2	2	+	0
8,9	1	2	2	+	0
6,7	1	4	4	+	+
4,5	1	4	4	+	0
2,3	1	7	8	+	0
0,1	2	11	10	1	0
-2,-1	1	6	7	+	0
-4,-3	1	4	3	+	0
-6,-5	+	2	2	+	0
≤-7	+	2	1	+	0

Mould Bay

9284 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	0	+	+	0	0
8,9	+	1	+	+	+
6,7	1	2	1	+	+
4,5	2	2	1	+	+
2,3	4	7	4	+	+
0,1	4	14	10	1	0
-2,-1	2	8	6	1	0
-4,-3	1	6	5	1	+
-6,-5	1	3	2	+	+
-8,-7	1	3	1	+	0
≤-9	1	2	+	+	0

Marine Area A

100 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥10	0	0	0	0	0
8,9	0	1	1	0	0
6,7	1	3	0	0	0
4,5	1	3	2	0	0
2,3	0	2	11	0	0
0,1	1	17	13	1	1
-2,-1	1	18	4	1	0
-4,-3	3	9	0	2	0
-6,-5	[illegible]	2	[illegible]	0	0
-8,-7	0	0	0	0	0
≤-9	0	0	0	0	0

Marine Area B

No Dato Available

Marine Area C

623 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥14	+	2	2	0	0
12,13	+	1	1	0	0
10,11	+	3	2	+	0
8,9	1	2	3	+	0
6,7	1	4	6	+	0
4,5	2	7	10	1	0
2,3	1	8	12	4	0
0,1	+	8	11	1	+
-2,-1	0	3	2	0	0
-4,-3	+	+	1	0	0
≤-5	0	+	0	0	0

Marine Area D

514 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥14	0	+	+	0	0
12,13	0	+	0	+	0
10,11	+	2	+	0	+
8,9	1	3	2	+	0
6,7	3	6	4	+	0
4,5	3	13	8	+	0
2,3	3	12	11	2	+
0,1	1	9	7	2	0
-2,-1	+	1	1	1	0
-4,-3	0	0	+	0	0
≤-5	0	0	0	0	0

Ostrov Vrangalja

4253 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	0	+	+	+	0
10,11	+	+	+	0	0
8,9	+	1	1	+	0
6,7	1	2	1	+	0
4,5	2	7	4	+	0
2,3	8	21	9	1	+
0,1	9	14	5	+	+
−2,−1	5	6	2	+	0
−4,−3	+	1	+	+	0
−6,−5	0	0	0	0	0
≤−7	0	0	0	0	0

Mys Shmidta

4499 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	1	2	1	+	0
12,13	1	2	1	+	0
10,11	+	1	1	+	0
8,9	1	2	1	+	0
6,7	1	5	2	+	0
4,5	2	9	3	+	0
2,3	4	23	9	1	0
0,1	2	12	6	1	0
−2,−1	1	3	2	+	0
−4,−3	+	+	0	0	0
≤−5	0	0	0	0	0

Ostrov Kolychino

2581 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
214	+	1	2	+	+
12.13	1	2	2	+	0
10,11	+	2	3	1	+
8,9	1	3	6	1	0
6,7	1	4	6	2	0
4.5	2	6	6	1	+
2,3	3	12	6	1	0
0,1	2	11	3	+	+
−2,−1	1	6	3	+	0
−4,−3	+	+	0	0	0
≤−5	0	0	0	0	0

Mys Uelen

4497 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	1	1	+	0
12,13	+	1	2	1	0
10,11	1	2	2	1	0
8,9	1	3	5	3	+
6,7	3	5	7	5	1
4,5	4	8	6	4	1
2,3	4	11	8	1	+
0,1	1	3	2	+	+
−2,−1	+	+	+	+	0
−4,−3	0	0	0	0	0
≤−5	0	0	0	0	0

Tin City

20635 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	1	1	+	0	0
14,15	+	1	1	0	0
12,13	1	3	2	+	0
10,11	2	5	3	+	+
8,9	2	6	7	1	+
6,7	2	10	15	2	+
4,5	1	7	12	2	+
2,3	+	3	6	1	+
0,1	+	+	2	+	+
−2,−1	+	+	+	+	0
≤−3	0	0	0	0	0

Kotzebue

21130 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥20	+	2	1	+	0
18,19	+	2	1	+	0
16,17	1	5	3	+	0
14,15	1	7	4	+	0
12,13	1	11	8	1	0
10,11	1	11	11	1	+
8,9	+	5	6	1	0
6,7	+	4	6	1	+
4,5	+	1	3	1	+
2,3	+	+	1	+	0
≤1	+	+	+	+	0

Cape Lisburne

19393 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	1	1	+	0
14,15	1	1	1	+	+
12,13	2	2	2	1	+
10,11	3	5	4	2	+
8,9	4	6	4	2	+
6,7	5	9	5	1	+
4,5	4	7	3	1	+
2,3	4	9	3	+	+
0,1	2	4	1	+	+
−2,−1	+	+	+	0	0
≤−3	0	0	0	0	0

Point Lay

3015 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥18	+	1	1	+	0
16,17	+	2	1	+	0
14,15	1	2	1	+	0
12,13	2	5	2	+	0
10,11	3	9	4	+	0
8,9	2	7	5	+	0
6,7	2	9	5	1	0
4,5	2	8	3	+	0
2,3	2	7	4	+	0
0,1	1	3	1	+	0
≤−1	+	+	+	0	0

Barrow

18772 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	2	2	+	0
10,11	+	2	2	+	0
8,9	+	3	2	+	0
6,7	1	5	4	+	0
4,5	1	6	5	+	0
2,3	1	12	10	+	+
0,1	1	19	14	+	0
−2,−1	1	5	2	+	0
−4,−3	+	+	+	0	0
−6,−5	0	0	0	0	0
≤−7	0	0	0	0	0

Lonely

3136 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	1	3	1	1	0
12,13	+	2	1	+	0
10,11	1	4	1	0	0
8,9	1	3	1	+	0
6,7	2	7	3	+	0
4,5	2	8	4	+	0
2,3	3	17	7	1	+
0,1	3	15	5	1	0
−2,−1	1	3	1	+	0
−4,−3	+	+	0	0	0
≤−5	0	0	0	0	0

Oliktok

3047 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	1	3	+	0	0
12,13	1	3	1	0	0
10,11	1	3	1	+	0
8,9	1	3	1	+	0
6,7	2	7	4	1	0
4,5	3	8	7	1	+
2,3	3	14	10	1	+
0,1	2	11	4	+	0
−2,−1	+	2	1	0	0
−4,−3	+	+	0	0	0
≤−5	0	0	0	0	0

Barter

18342 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	1	+	0	0
12,13	+	1	+	+	0
10,11	1	3	1	+	0
8,9	1	4	2	+	0
6,7	1	7	4	+	0
4,5	1	8	6	+	+
2,3	2	16	10	+	0
0,1	2	15	8	+	0
−2,−1	+	2	1	+	0
−4,−3	+	+	+	0	0
≤−5	0	0	0	0	0

Tuktoyaktuk

3215 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥20	+	4	1	+	0
18,19	+	3	1	0	0
16,17	+	4	3	+	0
14,15	+	5	3	+	0
12,13	1	7	4	+	0
10,11	1	8	5	+	+
8,9	1	7	4	+	0
6,7	1	9	5	+	0
4,5	1	6	4	+	0
2,3	+	5	3	+	0
≤1	+	2	1	+	0

Cape Parry

19343 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
914	1	2	1	+	0
17,13	1	2	1	+	0
10,11	1	3	2	+	0
8,9	1	4	3	+	0
6,7	3	8	8	+	0
4,5	2	8	8	+	0
2,3	3	11	10	+	0
0,1	2	6	4	+	0
−2,−1	+	1	+	+	0
−4.−3	+	+	+	0	0
s-5	0	0	0	0	0

Clinton Point

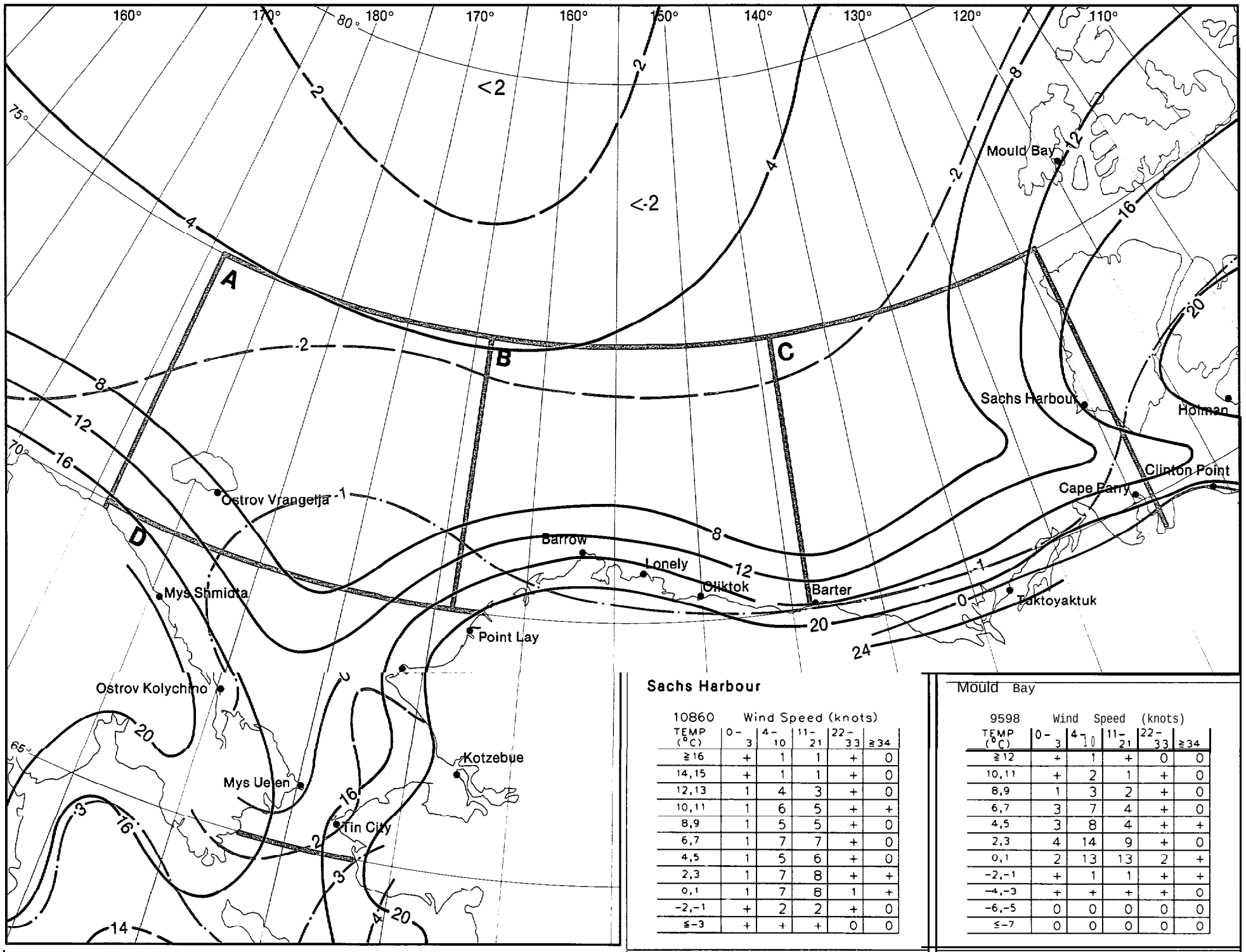
4453 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	3	1	0	0
14,15	+	2	1	0	0
12,13	+	4	1	0	0
10,11	1	6	1	+	0
8,9	1	6	2	+	0
6,7	2	13	4	+	0
4,5	3	11	5	+	0
2,3	2	14	8	1	+
0,1	+	4	3	+	0
−2,−1	+	+	+	+	0
≤−3	+	0	0	0	0

Holman

3213 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	2	3	1	+	0
14,15	1	1	+	+	0
12,13	2	2	1	+	+
10,11	3	5	2	+	+
8,9	3	6	3	+	0
6,7	4	10	5	1	+
4,5	4	9	5	1	+
2,3	4	8	5	1	+
0,1	1	3	2	+	0
−2,−1	+	+	+	0	0
≤−3	0	+	0	0	0



Sachs Harbour

10860 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥16	+	1	1	+	0
14,15	+	1	1	+	0
12,13	1	4	3	+	0
10,11	1	6	5	+	+
8,9	1	5	5	+	0
6,7	1	7	7	+	0
4,5	1	5	6	+	0
2,3	1	7	8	+	+
0,1	1	7	8	1	+
-2,-1	+	2	2	+	0
≤-3	+	+	+	0	0

Mould Bay

9598 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	1	+	0	0
10,11	+	2	1	+	0
8,9	1	3	2	+	0
6,7	3	7	4	+	0
4,5	3	8	4	+	+
2,3	4	14	9	+	0
0,1	2	13	13	2	+
-2,-1	+	1	1	+	+
-4,-3	+	+	+	+	0
-6,-5	0	0	0	0	0
≤-7	0	0	0	0	0

Marine Area A

368 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	1	0	+	0
10,11	1	1	+	+	+
8,9	0	1	2	0	0
6,7	1	5	3	1	0
4,5	2	5	7	1	0
2,3	1	11	11	1	0
0,1	2	14	16	1	0
-2,-1	1	5	3	1	+
-4,-3	1	1	1	0	0
-6,-5	0	0	0	0	0
≤-7	0	0	0	0	0

Marine Area B

2940 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥12	+	+	+	+	0
10,11	+	+	1	1	0
8,9	1	1	1	+	+
6,7	1	4	4	1	0
4,5	2	7	6	1	0
2,3	3	12	11	1	+
0,1	4	18	12	1	+
-2,-1	1	4	2	+	0
-4,-3	0	+	0	0	0
-6,-5	0	0	0	0	0
≤-7	0	0	0	0	0

Marine Area C

3494 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥16	+	2	2	+	+
14,15	+	2	2	+	0
12,13	+	3	4	+	0
10,11	1	5	6	1	+
8,9	1	4	8	2	+
6,7	1	5	8	2	+
4,5	1	7	8	1	+
2,3	1	5	6	1	+
0,1	+	3	3	+	+
-2,-1	+	+	+	+	0
≤-3	0	0	+	0	0

Marine Area D

2710 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥16	+	+	1	+	0
14,15	+	1	1	+	0
12,13	1	2	2	+	+
10,11	1	4	4	1	+
8,9	2	6	6	2	+
6,7	2	8	12	3	+
4,5	2	8	10	2	+
2,3	1	4	5	2	+
0,1	+	2	2	+	+
-2,-1	+	+	+	+	0
≤-3	0	0	0	0	0

Ostrov Vrangelja

4252 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	0	+	+	0	0
10,11	+	+	+	+	0
8,9	+	1	+	+	0
6,7	1	3	1	+	0
4,5	3	7	2	1	+
2,3	8	14	8	2	+
0,1	7	12	5	1	+
−2,−1	5	8	3	1	+
−4,−3	1	2	1	+	+
−6,−5	+	+	+	0	0
≤−7	0	0	0	0	0

Mys Shmidta

4564 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	1	2	1	+	0
10,11	+	2	+	0	0
8,9	1	2	1	+	0
6,7	1	4	2	+	+
4,5	2	8	3	+	0
2,3	3	16	9	1	+
0,1	2	12	7	1	+
−2,−1	2	8	5	1	+
−4,−3	+	1	1	+	0
−6,−5	+	+	0	0	0
≤−7	0	0	0	0	0

Ostrov Kolychino

2530 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	+	1	0	0
12,13	+	1	1	+	0
10,11	+	2	3	+	0
8,9	1	3	5	1	+
6,7	1	5	6	1	+
4,5	1	8	6	2	+
2,3	2	11	8	1	+
0,1	1	9	7	1	+
−2,−1	1	6	3	+	+
−4,−3	+	+	+	0	0
≤−5	0	0	0	0	0

Mys Uelen

4515 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	+	+	+	0
12,13	+	+	1	+	+
10,11	+	1	2	+	+
8,9	1	2	5	2	+
6,7	3	6	7	3	1
4,5	5	12	11	3	1
2,3	4	10	12	2	+
0,1	1	7	7	+	+
−2,−1	+	+	0	+	0
−4,−3	0	0	0	0	0
s-5	0	0	0	0	0

Tin City

20765 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	+	+	0	0
14,15	+	1	1	+	0
12,13	1	2	2	+	0
10,11	1	4	5	1	+
8,9	2	7	9	1	+
6,7	2	12	18	3	+
4,5	1	5	10	2	+
2,3	+	3	4	1	+
0,1	+	1	+	+	+
−2,−1	+	0	0	0	0
≤−3	0	0	+	0	0

Kottebue

21792 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥20	+	+	+	+	0
18,19	+	1	+	+	0
16,17	+	2	2	+	0
14,15	+	4	3	+	0
12,13	1	9	8	+	+
10,11	1	13	13	1	+
8,9	1	8	9	1	+
6,7	1	6	7	1	+
4,5	+	2	2	+	+
2,3	+	1	1	+	0
≤1	0	+	+	+	0

Cape Lisburne

20220 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	1	+	+	0
14,15	+	1	+	+	0
12,13	2	3	1	+	+
10,11	3	5	3	1	+
8,9	4	7	5	1	+
6,7	5	10	7	1	+
4,5	3	9	6	1	+
2,3	2	7	7	1	+
0,1	1	1	2	+	0
−2,−1	+	+	+	+	0
≤−3	0	0	0	0	0

Point Lay

3273 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	1	2	+	+	0
14,15	+	2	+	+	0
12,13	1	5	1	+	0
10,11	2	7	3	+	0
8,9	2	8	3	1	0
6,7	3	10	5	1	+
4,5	3	9	5	1	+
2,3	2	8	3	1	+
0,1	1	5	2	+	0
−2,−1	+	1	1	+	0
≤−3	+	+	+	0	0

Barrow

19325 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	2	1	+	0
10,11	+	2	1	+	0
8,9	+	3	2	+	0
6,7	+	5	4	+	+
4,5	17	7	5	++	+
2,3	1	10	8	1	0
0,1	1	14	13	1	0
−2,−1	1	7	5	+	0
−4,−3	+	2	2	+	0
−6,−5	+	+	+	0	0
≤−7	0	0	0	0	0

Lonely

3372 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	1	3	1	+	0
10,11	1	3	1	+	0
8,9	1	3	1	+	+
6,7	2	7	1	+	0
4,5	2	10	3	+	+
2,3	4	15	6	1	+
0,1	3	15	8	1	+
−2,−1	1	4	2	+	0
−4,−3	+	1	+	+	0
−6,−5	0	+	0	0	0
≤−7	0	0	0	0	0

Oliktok

3289 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	1	+	0	0
12,13	1	2	1	0	0
10,11	1	4	1	+	0
8,9	1	4	1	+	0
6,7	2	7	4	1	0
4,5	2	8	5	1	0
2,3	3	14	8	1	+
0,1	3	11	7	1	+
−2,−1	1	3	2	+	0
−4,−3	+	+	+	0	0
≤−5	0	0	0	0	0

Barter

18470 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	1	+	+	0
12.13	+	1	+	+	0
10.11	+	3	1	+	0
8,9	1	4	2	+	+
6.7	1	9	4	+	+
4,5	1	8	5	1	+
2,3	2	12	11	1	+
0,1	1	12	10	2	+
−2,−1	1	3	2	+	+
−4,−3	+	1	+	+	0
≤−5	0	+	0	0	0

Tuktoyaktuk

3201 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	234
≥18	+	2	1	+	0
16.17	+	3	1	+	0
14,15	+	3	2	+	0
12.13	1	7	3	+	0
10,11	1	9	5	t	0
8.9	1	8	4	+	0
6.7	1	10	6	+	0
4,5	1	71	4	1	0
2,3	1	6	5	1	0
0.1	+	2	2	+	0
≤−1	+	+	+	0	0

Cape Parry

19339 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	1	+	0	0
12,13	+	1	1	0	0
10,11	1	3	2	+	0
8,9	1	4	3	+	0
6,7	3	8	9	1	0
4,5	2	8	9	1	+
2,3	3	9	9	1	+
0,1	1	5	5	1	0
−2,−1	+	2	2	+	0
−4,−3	+	+	+	+	0
≤−5	0	0	0	0	0

Clinton Point

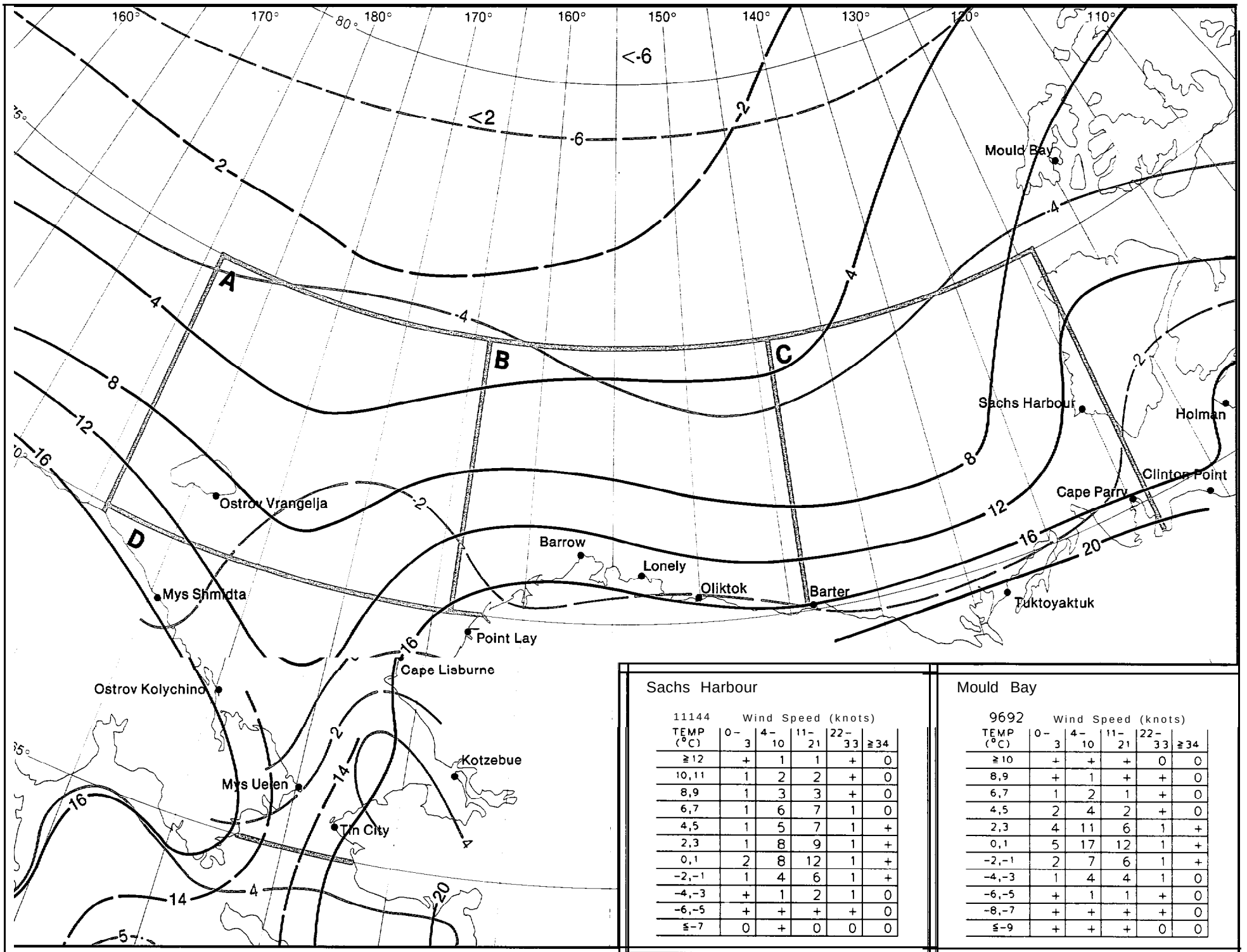
4483 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	2	1	0	0
14,15	+	1	+	+	0
12,13	+	3	1	0	0
10.11	1	5	2	+	0
8,9	1	7	4	+	0
6,7	2	14	8	+	0
4,5	2	10	6	+	0
2,3	1	8	8	2	+
0,1	+	4	3	1	+
−2,−1	+	1	+	+	0
≤−3	0	+	0	0	0

Holman

3203 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	134
≥16	+	1	1	+	0
14.15	1	1	1	+	0
12,13	1	2	1	+	0
10,11	2	3	2	1	0
8,9	2	4	2	+	0
6,7	5	9	5	1	+
4,5	4	9	5	1	+
2,3	4	8	6	1	+
0,1	2	5	3	1	0
−2,−1	1	1	1	+	0
≤−3	+	+	+	+	0



Sachs Harbour

11144 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	1	1	+	0
10,11	1	2	2	+	0
8,9	1	3	3	+	0
6,7	1	6	7	1	0
4,5	1	5	7	1	+
2,3	1	8	9	1	+
0,1	2	8	12	1	+
-2,-1	1	4	6	1	+
-4,-3	+	1	2	1	0
-6,-5	+	+	+	+	0
≤-7	0	+	0	0	0

Mould Bay

9692 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	+	+	0	0
8,9	+	1	+	+	0
6,7	1	2	1	+	0
4,5	2	4	2	+	0
2,3	4	11	6	1	+
0,1	5	17	12	1	+
-2,-1	2	7	6	1	+
-4,-3	1	4	4	1	0
-6,-5	+	1	1	+	0
-8,-7	+	+	+	+	0
≤-9	+	+	+	0	0

Marine Area A

677 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	234.
≥12	+	+	+	0	0
10,11	+	1	+	0	0
8,9	+	2	3	0	0
6,7	1	3	3	1	0
4,5	2	5	4	+	0
2,3	2	10	8	1	+
0,1	5	15	9	2	+
-2,-1	1	5	6	1	+
-4,-3	1	4	1	+	0
-6,-5	+	1	+	+	0
≤-7	0	+	0	0	0

Marine Area B

4808 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	1	+	+	0
10,11	+	1	1	+	0
8,9	1	1	1	+	+
6,7	1	4	3	1	+
4,5	2	6	5	1	+
2,3	2	9	9	1	+
0,1	4	14	12	2	+
-2,-1	1	4	5	1	+
-4,-3	+	1	1	+	+
-6,-5	+	+	+	+	0
≤-7	0	+	0	0	0

Marine Area C

7548 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	1	1	+	0
14,15	+	1	1	+	+
12,13	+	1	2	+	+
10,11	+	3	4	1	+
8,9	1	5	6	2	+
6,7	1	6	10	3	+
4,5	1	7	8	2	+
2,3	1	7	6	2	+
0,1	1	4	4	1	+
-2,-1	+	1	2	1	+
≤-3	+	+	+	+	+

Marine Area D

2477 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥16	+	+	+	0	0
14,15	+	1	1	0	0
12,13	1	2	2	+	0
10,11	1	4	5	1	+
8,9	2	6	8	2	+
6,7	2	8	13	4	+
4,5	1	7	9	3	+
2,3	1	4	4	1	+
0,1	1	2	2	1	+
-2,-1	+	+	+	+	+
≤-3	+	+	+	+	0

Ostrov Vrangelja

4070 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	0	0	0	0	0
6,7	+	+	+	+	0
4,5	1	1	1	+	0
2,3	2	5	4	1	+
0,1	4	7	6	1	+
−2,−1	6	12	10	1	+
−4,−3	4	8	6	2	+
−6,−5	1	3	3	1	+
−8,−7	1	1	1	+	+
−10,−9	+	1	+	+	+
≤−11	+	+	+	+	+

Mys Shmidta

4315 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	1	+	0	0
6,7	+	1	1	+	0
4,5	1	3	1	0	0
2,3	3	8	6	+	+
0,1	2	10	6	1	+
−2,−1	4	13	11	2	+
−4,−3	2	6	5	2	+
−6,−5	1	2	2	1	+
−8,−7	1	1	1	+	+
−10,−9	+	+	+	+	+
≤−11	1	+	+	+	+

Ostrov Kolychino

243 1 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	+	+	+	0
8,9	+	+	1	+	0
6,7	+	2	2	+	0
4,5	1	3	5	1	+
2,3	2	9	12	3	+
0,1	2	10	9	1	+
−2,−1	2	9	10	2	+
−4,−3	1	4	3	1	+
−6,−5	+	1	1	+	0
−8,−7	+	+	+	0	0
≤−9	+	0	0	0	0

Mys Uelen

4350 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	0	0	+	+	+
10,11	+	+	+	+	0
8,9	+	+	1	+	+
6,7	+	2	2	1	+
4,5	2	6	9	3	+
2,3	4	17	18	7	1
0,1	2	5	7	3	+
−2,−1	1	3	4	1	+
−4,−3	+	1	1	+	0
−6,−5	+	+	+	+	0
≤−7	+	+	+	+	0

Tin City

19412 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥14	+	+	+	+	0
12,13	+	+	+	+	0
10,11	1	1	1	+	+
8,9	1	3	3	1	+
6,7	2	6	9	2	+
4,5	2	7	11	2	+
2,3	2	8	12	3	+
0,1	1	5	8	2	+
−2,−1	+	2	3	1	+
−4,−3	+	+	1	1	+
s-5	+	+	+	+	0

Kotzebue

21063 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	$34
≥14	+	+	1	+	0
12,13	+	1	1	+	0
10,11	+	4	3	+	0
8,9	1	5	5	+	0
6,7	1	11	11	1	+
4,5	1	8	7	1	+
2,3	1	8	7	1	+
0,1	1	5	5	1	+
−2,−1	+	2	2	+	+
−4,−3	+	1	1	+	0
s-5	+	1	+	+	0

Cape Lisburne

19462 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	+	+	+	0
10,11	+	1	1	+	+
8,9	1	2	1	+	0
6,7	3	5	3	1	+
4,5	3	6	5	1	+
2,3	4	10	9	1	+
0,1	3	9	11	2	+
−2,−1	1	3	4	1	+
−4,−3	+	1	2	+	+
−6,−5	+	+	1	+	+
≤−7	0	+	+	+	0

Point Lay

3220 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	1	2	1	+	0
8,9	1	2	+	0	0
6,7	1	4	1	+	0
4,5	2	5	2	+	0
2,3	3	10	5	1	0
0,1	3	12	8	1	0
−2,−1	2	9	5	1	+
−4,−3	1	4	3	1	0
−6,−5	+	2	1	+	0
−8,−7	+	1	1	+	0
≤−9	+	1	1	+	0

Barrow

18708 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	1	+	0	0
6,7	+	1	1	+	0
4,5	+	2	1	+	0
2,3	+	5	5	+	+
0,1	1	13	11	1	+
−2,−1	1	11	12	1	+
−4,−3	1	8	8	1	+
−6,−5	+	3	4	+	0
−8,−7	+	3	2	+	0
−10,−9	+	1	1	0	0
≤−11	+	1	1	+	0

Lonely

3254 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	1	+	0	0
6,7	+	1	+	+	0
4,5	1	2	1	+	0
2,3	2	7	3	+	0
0,1	4	15	8	1	+
−2,−1	3	13	9	1	+
−4,−3	2	8	5	1	+
−6,−5	1	3	3	+	+
−8,−7	+	1	1	+	+
−10,−9	+	1	+	+	0
≤−11	+	+	+	+	0

Oliktok

3240 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	1	+	0	0
6,7	+	2	+	0	0
4,5	1	3	1	+	0
2,3	2	7	3	+	0
0,1	4	14	10	2	+
−2,−1	3	9	9	2	+
−4,−3	2	6	5	1	+
−6,−5	1	2	2	+	0
−8,−7	+	1	1	+	0
−10,−9	+	+	1	+	0
≤−11	+	+	+	0	0

Barter

17740 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	+	+	0	0
8,9	+	+	+	0	0
6,7	+	2	1	+	0
4,5	+	3	1	+	+
2,3	1	7	5	1	+
0,1	2	14	14	2	+
−2,−1	2	11	9	2	+
−4,−3	1	7	4	1	+
−6,−5	+	2	1	+	+
−8,−7	+	1	1	+	0
B-9	+	1	+	+	+

Tuktoyaktuk

3104 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	1	1	+	0
10,11	+	2	1	0	+
8,9	1	3	1	+	0
6,7	1	6	3	+	0
4,5	1	7	4	+	0
2,3	2	12	8	1	+
0,1	1	13	10	1	0
−2,−1	1	5	4	+	0
−4,−3	+	3	2	+	+
−6,−5	+	1	1	+	0
≤−7	+	1	1	0	0

Cape Parry

18968 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	+	+	0	0
8,9	+	+	+	+	0
6,7	1	2	2	+	0
4,5	1	3	4	+	+
2,3	2	8	9	1	+
0,1	3	13	15	2	+
−2,−1	2	6	7	1	+
−4,−3	1	4	4	1	+
−6,−5	+	1	2	+	0
−8,−7	+	+	1	+	0
≤−9	+	+	+	+	0

Clinton Point

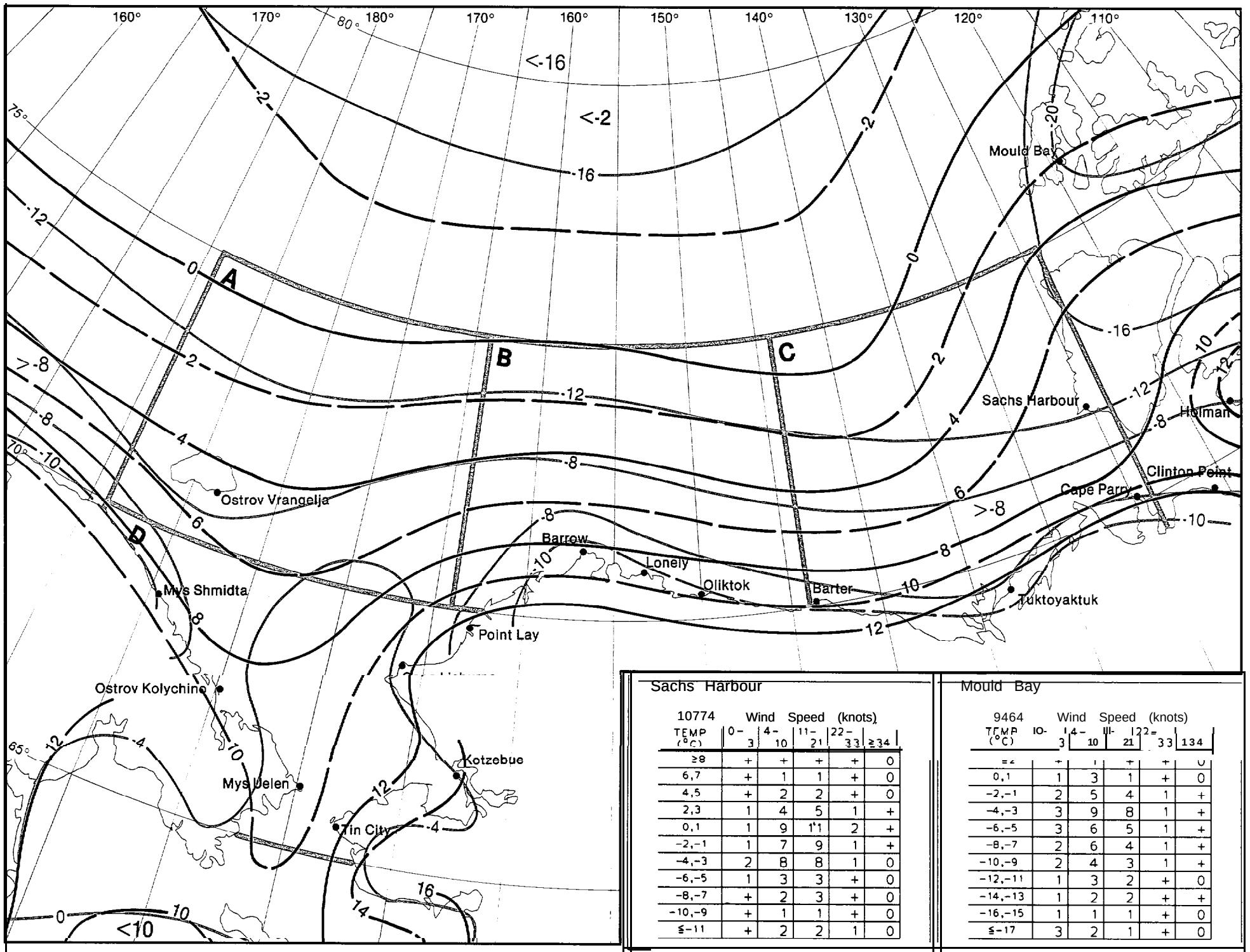
4356 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	1	1	+	0
8,9	+	1	+	+	0
6,7	+	4	2	+	0
4,5	1	7	4	+	+
2,3	2	13	9	1	+
0,1	2	14	10	1	+
−2,−1	1	5	5	1	+
−4,−3	1	3	3	1	+
−6,−5	+	1	1	1	+
−8,−7	+	+	+	0	0
≤−9	+	+	+	0	0

Holman

3114 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	1	1	1	+	0
8,9	+	1	1	+	+
6,7	2	2	1	+	+
4,5	2	4	2	+	0
2,3	5	8	4	1	+
0,1	5	12	8	1	+
−2,−1	3	8	7	1	0
−4,−3	2	4	4	1	+
−6,−5	+	1	2	1	0
−8,−7	+	1	1	1	0
≤−9	0	+	+	+	+



Sachs Harbour

10774 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	+	+	+	0
6,7	+	1	1	+	0
4,5	+	2	2	+	0
2,3	1	4	5	1	+
0,1	1	9	11	2	+
−2,−1	1	7	9	1	+
−4,−3	2	8	8	1	0
−6,−5	1	3	3	+	0
−8,−7	+	2	3	+	0
−10,−9	+	1	1	+	0
≤−11	+	2	2	1	0

Mould Bay

9464 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	+	1	+	+	0
0,1	1	3	1	+	0
−2,−1	2	5	4	1	+
−4,−3	3	9	8	1	+
−6,−5	3	6	5	1	+
−8,−7	2	6	4	1	+
−10,−9	2	4	3	1	+
−12,−11	1	3	2	+	0
−14,−13	1	2	2	+	+
−16,−15	1	1	1	+	0
≤−17	3	2	1	+	0

Marine Area A

838 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	0	+	+	+	0
6,7	+	1	1	0	0
4,5	1	21	21	1	+
2,3	1	5	8	2	+
0,1	1	8	12	5	+
−2,−1	2	6	9	2	+
−4,−3	2	2	2	1	0
−6,−5	2	3	2	1	0
−8,−7	3	2	1	1	0
−10,−9	1	1	1	+	0
≤−11	1	1	1	+	0

Marine Area B

2463 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥8	+	+	1	+	0
6,7	+	1	1	+	+
4,5	1	1	2	1	0
2,3	1	3	5	1	+
0,1	3	10	13	4	+
−2,−1	2	10	10	2	+
−4,−3	1	6	6	1	+
−6,−5	+	2	3	+	+
−8,−7	1	1	2	+	0
−10,−9	+	+	1	0	0
≤−11	0	+	1	+	+

Marina Area C

6932 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥10	+	+	+	+	0
8,9	+	1	2	+	+
6,7	1	2	4	1	+
4,5	1	4	7	3	+
2,3	1	6	9	3	+
0,1	2	8	10	4	+
−2,−1	1	6	6	2	+
−4,−3	1	2	3	1	+
−6,−5	+	2	2	1	+
−8,−7	+	1	1	+	0
≤−9	+	1	1	+	+

Marine Area D

2213 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥12	+	1	+	0	0
10,11	+	1	+	+	+
8,9	+	2	2	1	0
6,7	1	4	8	2	+
4,5	2	6	11	4	1
2,3	1	6	8	5	1
0,1	3	5	6	3	1
−2,−1	1	3	2	1	+
−4,−3	+	1	2	1	0
−6,−5	+	+	1	+	0
≤−7	+	0	+	0	0

Ostrov Vrangelja

4248 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	1	2	2	+	0
−2,−1	1	3	3	+	+
−4,−3	1	5	5	1	+
−6,−5	1	4	5	1	+
−8,−7	2	5	7	2	1
−10,−9	1	3	4	1	1
−12,−11	2	4	3	1	+
−14,−13	2	3	4	1	+
−16,−15	1	2	3	1	+
−18,−17	1	2	2	1	+
≤−19	2	1	1	1	+

Mys Shmidts

4565 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	+	1	1	+	0
−2,−1	1	4	3	+	+
−4,−3	1	4	5	2	+
−6,−5	1	3	6	2	1
−8,−7	2	5	6	2	1
−10,−9	1	3	3	1	+
−12,−11	2	3	3	1	1
−14,−13	2	3	3	2	+
−16,−15	1	2	2	1	+
−18,−17	1	2	2	+	+
≤−19	3	2	1	1	+

Ostrov Kolychino

2709 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥4	+	0	+	+	0
2,3	+	1	1	+	+
0,1	+	2	3	1	+
−2,−1	1	5	8	4	1
−4,−3	1	5	7	5	1
−6,−5	1	3	7	4	2
−8,−7	1	6	6	2	1
−10,−9	+	2	2	1	+
−12,−11	+	2	2	1	+
−14,−13	+	1	2	+	+
≤−15	2	3	2	1	+

Mys Uelen

4532 Wind Speed (knots)

TEMP (°C)	0–10	11–21	22–33	≥34	
≥6	+	+	+	+	+
4,5	+	+	1	1	+
2,3	1	2	5	2	1
0,1	1	3	6	2	+
−2,−1	1	6	10	7	2
−4,−3	1	3	7	6	1
−6,−5	1	3	4	4	1
−8,−7	1	3	3	2	1
−10,−9	+	1	1	1	+
−12,−11	+	1	1	+	+
≤−13	1	2	1	+	0

Tin City

19607 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥6	+	+	+	+	+
4,5	+	1	1	1	+
2,3	1	2	4	1	+
0,1	1	5	7	3	+
−2,−1	2	5	8	2	+
−4,−3	2	6	9	4	+
−6,−5	1	4	5	2	+
−8,−7	1	3	4	2	+
−10,−9	+	2	3	1	+
−12,−11	+	1	1	+	+
≤−13	+	1	1	+	+

Kotzebue

21788 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥4	+	1	2	+	0
2,3	+	2	4	1	0
0,1	1	6	8	1	+
−2,−1	1	5	5	1	0
−4,−3	1	7	6	2	+
−6,−5	1	5	4	1	+
−8,−7	1	6	4	1	+
−10,−9	+	5	3	1	+
−12,−11	+	3	2	+	+
−14,−13	+	3	1	+	0
≤−15	+	5	1	+	0

Cape Lisburne

20259 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
24	+	+	1	1	+
2,3	1	1	2	1	+
0,1	2	3	3	1	+
−2,−1	2	4	5	2	+
−4,−3	3	6	8	3	+
−6,−5	2	5	5	2	+
−8,−7	1	4	5	1	+
−10,−9	1	4	3	1	+
−12,−11	+	2	2	1	+
−14,−13	+	2	3	+	+
≤−15	+	2	3	+	+

Point Lay

2966 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	1	4	3	1	0
−2,−1	1	4	3	1	+
−4,−3	2	5	3	1	+
−6,−5	2	4	3	1	0
−8,−7	3	6	3	1	0
−10,−9	1	4	3	+	+
−12,−11	1	4	2	1	+
−14,−13	1	4	3	1	0
−16,−15	1	3	2	1	0
−18,−17	1	3	2	1	0
≤−19	1	6	4	1	0

Barrow

19089 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	+	1	3	+	+
−2,−1	+	2	4	1	+
−4,−3	1	4	6	1	+
−6,−5	1	4	4	1	0
−8,−7	1	7	6	1	+
−10,−9	+	6	5	1	+
−12,−11	+	3	3	+	0
−14,−13	+	4	4	+	0
−16,−15	+	3	3	+	0
−18,−17	+	3	3	+	0
≤−19	1	7	3	+	0

Lonely

3340 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	+	2	1	+	0
−2,−1	+	3	2	1	+
−4,−3	1	5	4	2	+
−6,−5	1	5	4	2	+
−8,−7	2	6	4	1	0
−10,−9	2	5	4	1	0
−12,−11	1	4	2	+	+
−14,−13	1	4	2	1	0
−16,−15	1	3	2	+	0
−18,−17	1	4	2	+	+
≤−19	3	8	2	+	0

Oliktok

3320 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	534
≥0	+	2	1	+	+
−2,−1	+	2	3	1	+
−4,−3	2	4	4	2	1
−6,−5	1	5	5	1	+
−8,−7	2	6	4	1	+
−10,−9	2	5	3	1	0
−12,−11	1	4	2	+	+
−14,−13	1	4	2	1	+
−16,−15	1	2	1	+	0
−18,−17	1	4	2	+	0
≤−19	3	8	2	+	0

Barter

18073 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	434
≥0	+	2	1	+	+
−2,−1	1	3	3	1	+
−4,−3	1	5	5	2	1
−6,−5	1	4	5	3	1
−8,−7	1	6	6	3	+
−10,−9	1	6	4	2	+
−12,−11	1	4	2	1	+
−14,−13	1	4	3	1	+
−16,−15	+	2	2	+	+
−18,−17	+	3	1	+	+
≤−19	1	5	2	+	+

Tuktoyaktuk

3217 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	+	1	+	0	0
0,1	+	3	3	+	0
−2,−1	+	5	4	+	+
−4,−3	1	8	7	1	0
−6,−5	1	6	4	+	0
−8,−7	2	7	5	+	0
−10,−9	1	5	4	+	0
−12,−11	1	3	2	+	+
−14,−13	1	3	3	+	0
−16,−15	1	3	2	+	0
≤−17	2	6	2	+	0

Cape Parry

19740 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	+	+	+	+	0
0,1	1	2	3	+	0
−2,−1	1	4	6	1	0
−4,−3	2	6	10	2	+
−6,−5	1	5	6	2	+
−8,−7	1	5	7	1	+
−10,−9	1	4	5	1	+
−12,−11	1	2	2	+	+
−14,−13	1	2	2	1	0
−16,−15	1	1	1	+	+
≤−17	2	2	2	+	+

Clinton Point

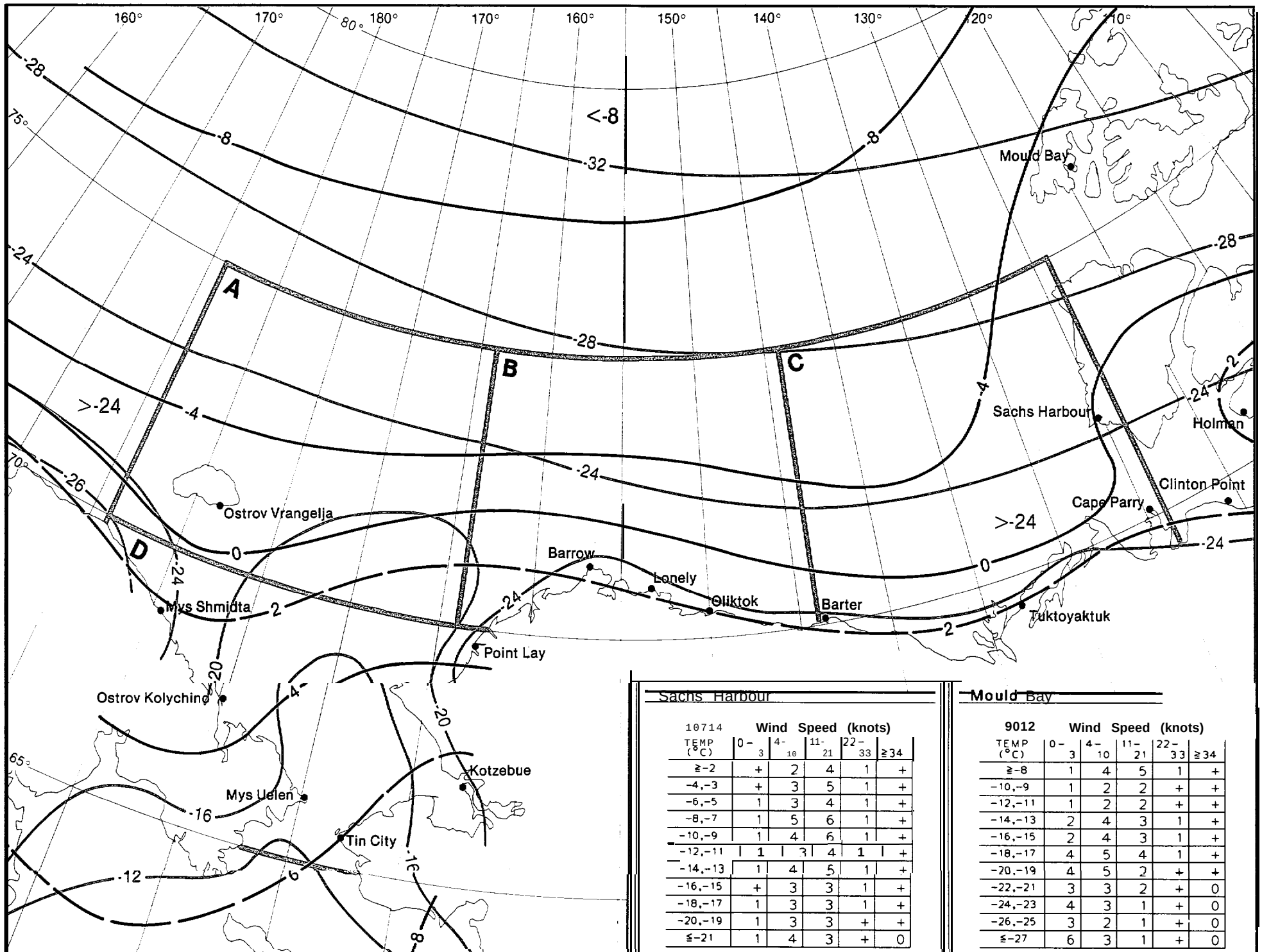
4475 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	+	+	+	0	0
0,1	+	2	2	+	0
−2,−1	1	5	3	1	+
−4,−3	1	7	6	2	+
−6,−5	1	5	6	2	+
−8,−7	1	6	7	3	+
−10,−9	1	6	4	1	+
−12,−11	+	3	2	+	+
−14,−13	+	3	2	+	+
−16,−15	+	3	1	+	0
≤−17	1	4	2	+	0

Holman

3219 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	1	1	1	+	0
0,1	1	2	1	+	+
−2,−1	2	3	3	1	+
−4,−3	3	6	5	1	+
−6,−5	2	6	4	2	+
−8,−7	2	8	6	2	+
−10,−9	1	6	5	1	+
−12,−11	1	3	2	1	+
−14,−13	1	2	2	1	+
−16,−15	+	1	2	+	+
≤−17	1	2	2	1	+



Sachs Harbour

10714 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥−2	+	2	4	1	+
−4,−3	+	3	5	1	+
−6,−5	1	3	4	1	+
−8,−7	1	5	6	1	+
−10,−9	1	4	6	1	+
−12,−11	1	3	4	1	+
−14,−13	1	4	5	1	+
−16,−15	+	3	3	1	+
−18,−17	1	3	3	1	+
−20,−19	1	3	3	+	+
≤−21	1	4	3	+	0

Mould Bay

9012 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥−8	1	4	5	1	+
−10,−9	1	2	2	+	+
−12,−11	1	2	2	+	+
−14,−13	2	4	3	1	+
−16,−15	2	4	3	1	+
−18,−17	4	5	4	1	+
−20,−19	4	5	2	+	+
−22,−21	3	3	2	+	0
−24,−23	4	3	1	+	0
−26,−25	3	2	1	+	0
≤−27	6	3	1	+	0

Marine Area A

280 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥−2	1	1	7	3	0
−4,−3	1	3	2	1	+
−6,−5	0	2	1	1	0
−8,−7	1	1	2	1	+
−10,−9	1	2	6	3	+
−12,−11	1	4	2	2	+
−14,−13	2	9	2	2	0
−16,−15	0	7	3	2	0
−18,−17	+	4	3	0	0
−20,−19	0	1	1	0	0
≤−21	1	6	4	1	0

Marine Area B

1008 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥−4	1	5	8	3	+
−6,−5	1	3	2	1	1
−8,−7	1	2	2	+	+
−10,−9	1	3	3	1	+
−12,−11	1	2	2	1	+
−14,−13	1	3	3	+	+
−16,−15	+	5	3	1	+
−18,−17	1	3	4	+	0
−20,−19	1	4	3	+	0
−22,−21	+	3	1	+	0
≤−23	2	10	3	0	0

Marine Area C

3623 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥2	+	+	+	+	0
0,1	+	1	2	+	+
−2,−1	1	5	9	3	+
−4,−3	1	5	8	3	+
−6,−5	1	3	8	4	+
−8,−7	+	3	8	2	1
−10,−9	+	2	3	1	1
−12,−11	+	1	3	+	+
−14,−13	+	1	2	+	+
−16,−15	+	1	1	+	0
≤−17	1	5	3	+	+

Marine Area D

865 TEMP (°C)	Wind Speed (knots) 0–3	4–10	11–21	22–33	≥34
≥6	0	+	+	+	0
4,5	0	+	2	1	0
2,3	+	3	5	2	1
0,1	1	2	5	6	2
−2,−1	1	3	6	4	1
−4,−3	1	3	6	6	2
−6,−5	+	2	4	3	1
−8,−7	+	3	2	2	1
−10,−9	+	1	1	1	+
−12,−11	+	1	2	2	1
≤−13	+	1	2	+	+

Ostrov Vrangelja

41 18 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−6	1	2	4	2	+
−8,−7	1	2	5	1	+
−10,−9	+	1	2	1	+
−12,−11	1	2	3	1	1
−14,−13	1	3	4	2	+
−16,−15	1	3	4	2	1
−18,−17	2	3	5	3	1
−20,−19	1	3	3	2	1
−22,−21	1	3	4	2	1
−24,−23	1	3	2	1	+
≤−25	2	3	1	+	+

Mys Shmidta

4342 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	4	8	3	1
−10,−9	+	1	2	+	+
−12,−11	1	2	2	1	+
−14,−13	1	2	3	2	1
−16,−15	1	2	3	2	1
−18,−17	2	3	4	2	1
−20,−19	1	2	3	2	+
−22,−21	1	3	3	2	1
−24,−23	1	2	3	2	+
−26,−25	2	2	3	1	+
≤−27	4	4	3	1	+

Ostrov Kolychino

2577 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−4	+	2	5	2	1
−6,−5	+	1	4	2	1
−8,−7	+	2	6	2	1
−10,−9	+	1	3	1	+
−12,−11	1	2	4	1	+
−14,−13	+	2	4	2	1
−16,−15	1	3	4	1	+
−18,−17	1	4	4	1	+
−20,−19	+	2	2	1	+
−22,−21	1	3	2	1	0
≤−23	3	7	4	1	0

Mys Uelen

4328 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	+	+	1	2	2
−2,−1	+	1	3	2	1
−4,−3	1	2	4	3	1
−6,−5	1	3	4	4	1
−8,−7	1	3	5	4	1
−10,−9	+	2	3	2	+
−12,−11	1	2	3	2	+
−14,−13	1	3	3	2	+
−16,−15	+	3	3	1	+
−18,−17	1	2	3	1	+
≤−19	3	4	4	1	+

Tin City

19014 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥0	+	1	2	2	+
−2,−1	1	2	2	1	+
−4,−3	1	2	4	2	+
−6,−5	1	2	4	2	+
−8,−7	1	2	6	3	+
−10,−9	1	3	6	3	1
−12,−11	1	2	4	2	+
−14,−13	+	2	6	3	+
−16,−15	+	1	4	2	+
−18,−17	+	1	3	1	+
≤−19	+	1	4	2	+

Kotzebue

21084 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−4	1	2	5	3	+
−6,−5	1	2	3	1	+
−8,−7	1	3	5	2	+
−10,−9	1	4	4	2	+
−12,−11	1	4	3	1	+
−14,−13	1	5	4	2	+
−16,−15	1	4	3	1	+
−18,−17	1	5	2	1	+
−20,−19	1	4	2	1	+
−22,−21	+	2	1	+	+
≤−23	3	8	2	+	+

Cape Lisburne

19420 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−4	2	3	5	4	1
−6,−5	1	2	2	1	+
−8,−7	1	3	3	1	+
−10,−9	1	4	3	1	+
−12,−11	1	3	3	1	+
−14,−13	1	5	4	1	+
−16,−15	1	5	4	1	+
−18,−17	1	5	4	1	+
−20,−19	1	4	5	1	+
−22,−21	1	2	2	1	0
≤−23	1	3	2	+	+

Point Lay

3103 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	6	5	2	+
−10,−9	1	2	2	+	0
−12,−11	1	3	1	1	+
−14,−13	1	4	2	1	+
−16,−15	1	3	3	1	0
−18,−17	1	4	4	1	+
−20,−19	1	3	3	2	+
−22,−21	1	3	3	2	+
−24,−23	1	3	3	2	+
−26,−25	1	2	2	1	+
≤−27	2	7	6	1	+

Barrow

18466 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	1	5	8	2	+
−12,−11	+	1	2	1	0
−14,−13	+	3	4	1	+
−16,−15	+	3	4	1	+
−18,−17	1	5	5	1	+
−20,−19	+	5	4	1	0
−22,−21	+	5	4	1	0
−24,−23	+	6	5	+	0
−26,−25	+	4	2	+	0
−28,−27	1	4	1	0	0
≤−29	1	5	1	0	0

Lonely

3268 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	1	5	5	2	+
−12,−11	+	2	1	+	+
−14,−13	1	4	3	1	+
−16,−15	1	3	2	1	+
−18,−17	2	3	4	1	+
−20,−19	1	4	4	1	+
−22,−21	1	4	3	1	+
−24,−23	1	5	4	1	+
−26,−25	2	4	3	+	0
−28,−27	1	4	1	+	0
≤−29	3	6	1	+	0

Oliktok

3199 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
P-10	1	4	5	2	+
−12,−11	1	2	2	1	+
−14,−13	1	3	4	1	+
−16,−15	1	3	3	1	+
−18,−17	1	3	4	1	+
−20,−19	1	3	3	1	+
−22,−21	1	4	3	1	+
−24,−23	2	4	3	2	0
−26,−25	1	4	2	+	0
−28,−27	1	4	2	+	0
≤−29	3	7	2	+	0

Barter

17447 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	3	4	3	1
−10,−9	+	2	3	2	+
−12,−11	+	2	2	1	+
−14,−13	1	3	4	2	1
−16,−15	1	3	3	1	+
−18,−17	1	4	3	2	+
−20,−19	1	4	4	2	+
−22,−21	1	3	2	1	+
−24,−23	1	5	4	1	+
−26,−25	1	3	2	+	+
≤−27	2	10	3	1	+

Tuktoyaktuk

3117 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−10	1	5	5	1	+
−12,−11	+	2	2	+	0
−14,−13	1	4	3	+	0
−16,−15	1	5	2	1	0
−18,−17	1	5	4	1	+
−20,−19	1	5	3	+	0
−22,−21	1	4	3	+	0
−24,−23	2	6	2	+	0
−26,−25	21	41	21	0	0
28,−27	2	4	1	0	0
L-29	4	8	1	0	0

Cape Parry

19173 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	2	3	1	+
−10,−9	1	2	3	1	+
−12,−11	1	2	2	1	+
−14,−13	1	4	5	1	+
−16,−15	1	3	4	1	+
−18,−17	1	4	4	1	+
−20,−19	2	4	4	1	0
−22,−21	2	3	3	1	+
−24,−23	2	4	3	+	+
−26,−25	2	3	2	+	0
≤−27	4	5	3	+	0

Clinton Point

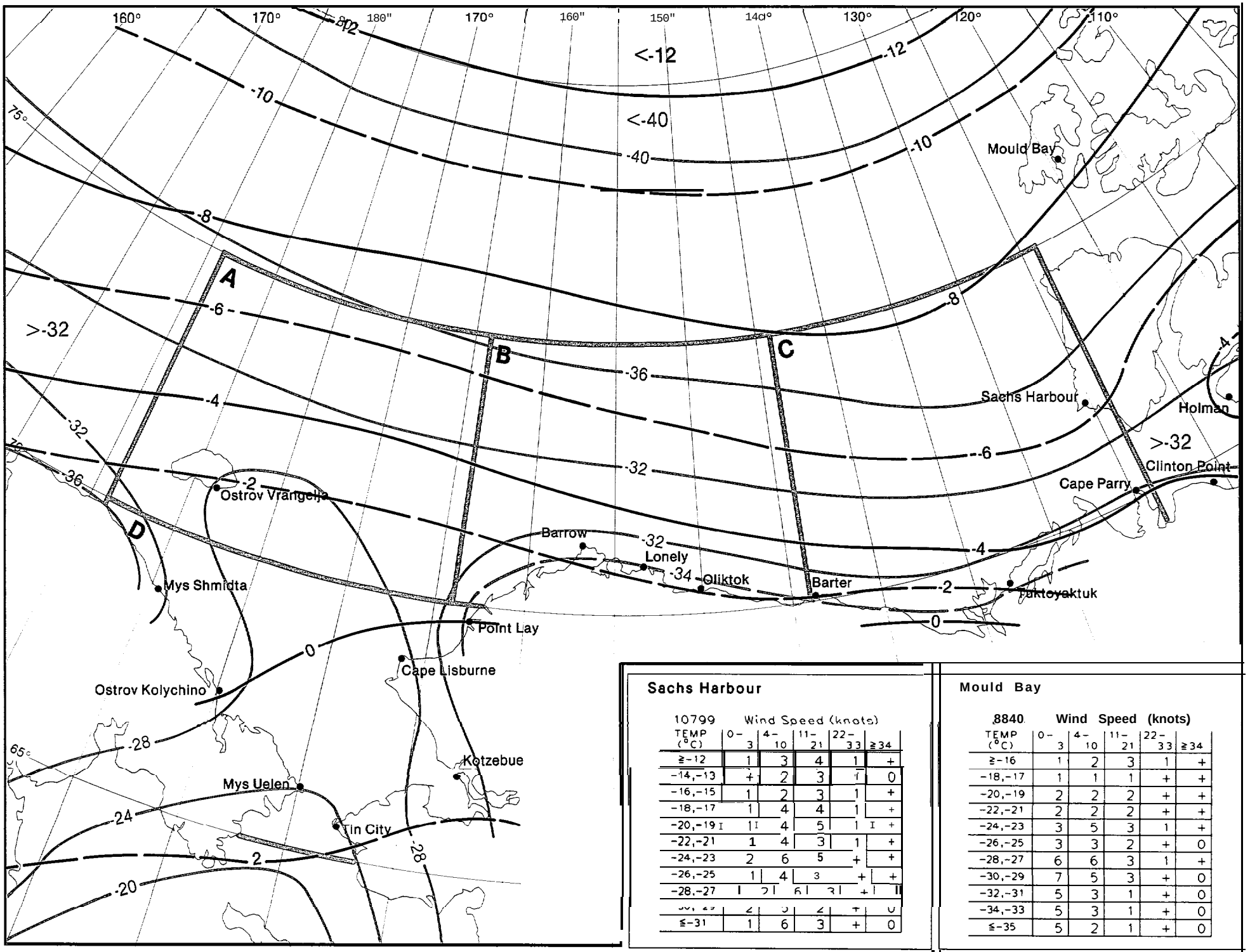
4337 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	1	3	4	1	+
−10,−9	1	4	4	1	+
−12,−11	1	3	4	1	+
−14,−13	1	4	5	1	+
−16,−15	1	3	4	1	0
−18,−17	1	4	4	1	+
−20,−19	1	4	3	1	+
−22,−21	1	3	2	+	+
−24,−23	1	4	3	1	+
−26,−25	+	3	2	1	+
S-27	3	1 1	2	+	0

Holman

3108 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥−8	2	3	2	1	+
−10,−9	1	3	2	1	+
−12,−11	1	3	2	1	+
−14,−13	2	5	3	1	+
−16,−15	1	4	3	1	+
−18,−17	2	4	3	2	+
−20,−19	3	4	3	2	+
−22,−21	2	3	2	1	+
−24,−23	2	5	3	1	+
−26,−25	1	3	2	1	+
≤−27	2	4	2	+	+



Sachs Harbour

10799 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-12	1	3	4	1	+
-14,-13	+	2	3	1	0
-16,-15	1	2	3	1	+
-18,-17	1	4	4	1	+
-20,-19	1	4	5	1	+
-22,-21	1	4	3	1	+
-24,-23	2	6	5	+	+
-26,-25	1	4	3	+	+
-28,-27	1	2	6	3	+
-30,-29	2	5	2	+	0
≤-31	1	6	3	+	0

Mould Bay

8840 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-16	1	2	3	1	+
-18,-17	1	1	1	+	+
-20,-19	2	2	2	+	+
-22,-21	2	2	2	+	+
-24,-23	3	5	3	1	+
-26,-25	3	3	2	+	0
-28,-27	6	6	3	1	+
-30,-29	7	5	3	+	0
-32,-31	5	3	1	+	0
-34,-33	5	3	1	+	0
≤-35	5	2	1	+	0

Marine Area A

114 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-14	1	1	6	11	0
-16,-15	0	0	1	3	0
-18,-17	0	3	1	2	0
-20,-19	0	4	1	0	0
-22,-21	2	1	0	0	0
-24,-23	9	6	0	0	0
-26,-25	7	4	2	0	0
-28,-27	7	5	0	0	0
-30,-29	4	4	0	0	0
-32,-31	2	3	0	0	0
≤-33	11	2	0	0	0

Marine Area B

838 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-12	1	3	2	1	0
-14,-13	3	2	1	+	0
-16,-15	6	2	2	+	+
-18,-17	3	1	1	1	+
-20,-19	3	2	1	+	+
-22,-21	4	2	2	2	+
-24,-23	4	4	3	1	+
-26,-25	3	4	3	2	0
-28,-27	5	3	5	1	0
-30,-29	1	3	4	0	0
≤-31	+	6	3	+	0

Marine Area C

1726 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
h-8	1	5	5	1	0
-10,-9	1	3	2	2	+
-12,-11	1	3	3	2	+
-14,-13	1	3	3	2	+
-16,-15	1	3	4	1	0
-18,-17	1	3	3	1	+
-20,-19	1	2	2	1	+
-22,-21	2	5	2	1	0
-24,-23	2	5	3	+	0
-26,-25	3	5	2	+	+
≤-27	3	5	1	+	0

Marine Area D

89 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	0	0	2	1	1
0,1	0	1	1	1	4
-2,-1	0	2	1	6	3
-4,-3	0	0	3	3	1
-6,-5	0	1	2	4	0
-8,-7	1	0	1	3	0
-10,-9	0	2	3	1	1
-12,-11	0	0	9	4	1
-14,-13	0	1	8	1	0
-16,-15	0	0	11	3	0
≤-17	0	0	4	2	0

Ostrov Vrangslja

4183 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-12	1	3	2	1	0
-14,-13	1	1	1	+	+
-16,-15	1	2	2	1	+
-18,-17	2	3	4	1	+
-20,-19	2	2	2	1	+
-22,-21	3	3	4	2	1
-24,-23	3	5	4	2	1
-26,-25	4	5	3	2	1
-28,-27	5	5	3	1	+
-30,-29	2	2	1	+	+
≤-31	4	1	1	+	0

Mys Shmidta

4427 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
P-14	1	3	2	1	+
-16,-15	1	2	1	+	+
-18,-17	2	3	3	1	+
-20,-19	1	2	2	1	+
-22,-21	2	2	3	1	+
-24,-23	2	3	4	1	+
-26,-25	2	3	4	2	1
-28,-27	3	5	5	1	+
-30,-29	1	3	3	1	+
-32,-31	2	2	3	1	+
≤-33	6	3	2	1	+

Ostrov Kolychino

2548 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
P-12	1	3	7	2	+
-14,-13	+	1	2	+	+
-16,-15	+	2	2	+	+
-18,-17	1	4	5	1	+
-20,-19	1	2	2	+	+
-22,-21	1	3	4	1	+
-24,-23	1	5	5	1	+
-26,-25	1	4	4	1	0
-28,-27	2	6	4	1	+
-30,-29	2	4	2	+	0
≤-31	3	7	2	+	0

Mys Uelen

4443 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
P-10	1	41	61	41	2
-12,-11	1	2	2	1	+
-14,-13	1	2	2	1	+
-16,-15	1	2	2	1	+
-18,-17	2	3	5	1	+
-20,-19	1	2	3	1	+
-22,-21	2	3	4	1	+
-24,-23	2	3	4	1	+
-26,-25	2	4	3	1	0
-28,-27	3	3	2	+	0
≤-29	3	3	2	+	0

Tin City

19131 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-8	2	5	7	3	1
-10,-9	1	1	2	1	+
-12,-11	1	1	2	1	+
-14,-13	1	1	4	2	+
-16,-15	1	1	3	2	+
-18,-17	1	1	5	3	+
-20,-19	1	1	5	3	+
-22,-21	+	1	4	3	+
-24,-23	1	1	5	4	+
-26,-25	+	1	3	2	+
≤-27	+	1	5	3	+

Kotzebue

21787 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-10	1	4	9	6	1
-12,-11	+	1	2	1	+
-14,-13	1	3	2	1	+
-16,-15	1	3	2	1	+
-18,-17	1	3	2	1	+
-20,-19	1	4	2	1	+
-22,-21	1	4	2	1	+
-24,-23	1	4	2	1	+
-26,-25	1	3	1	+	+
-28,-27	2	4	1	+	+
s-29	6	11	2	+	+

Cape Lisburne

19244 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
P-10	2	4	4	4	1
-12,-11	1	1	1	+	+
-14,-13	1	3	1	+	+
16,-15	1	3	2	1	1
-18,-17	1	4	3	1	+
-20,-19	2	5	5	1	+
-22,-21	2	4	4	1	+
-24,-23	2	5	4	1	+
-26,-25	2	3	2	+	+
-28,-27	2	3	2	+	+
≤-29	3	4	1	+	0

Point Lay

3338 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	2	8	6	2	+
-18,-17	1	2	2	1	+
-20,-19	1	2	2	1	0
-22,-21	1	2	2	1	+
-24,-23	1	4	4	2	+
-26,-25	1	3	3	1	+
-28,-27	1	4	3	1	+
-30,-29	1	3	3	1	+
-32,-31	1	3	2	+	+
-34,-33	1	3	2	+	0
≤-35	4	7	5	+	0

Barrow

19055 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	834
S-16	+	4	6	1	+
-18,-17	+	3	3	1	+
-20,-19	+	4	4	1	+
-22,-21	1	4	4	1	+
-24,-23	1	6	5	1	+
-26,-25	1	5	3	+	0
-28,-27	1	7	3	+	0
-30,-29	1	7	2	+	0
-32,-31	1	5	1	0	0
-34,-33	1	5	1	0	0
≤-35	2	7	1	0	0

Lonely

3442 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	1	6	5	1	+
-18,-17	1	3	2	1	0
-20,-19	1	4	3	1	+
-22,-21	1	4	2	1	+
-24,-23	1	4	3	1	+
-26,-25	1	3	2	+	0
-28,-27	2	4	3	+	0
-30,-29	3	6	2	+	0
-32,-31	2	5	1	+	0
-34,-33	3	4	1	0	0
≤-35	5	9	1	+	0

Oliktok

3317 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	1	5	5	2	+
-18,-17	1	2	2	1	+
-20,-19	1	3	3	1	+
-22,-21	1	3	3	1	+
-24,-23	1	3	3	1	+
-26,-25	1	3	3	+	+
-28,-27	1	3	3	1	+
-30,-29	2	4	3	+	0
-32,-31	2	4	2	+	0
-34,-33	2	4	2	+	0
≤-35	5	11	3	+	0

Barter

17918 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	1	5	5	3	1
-18,-17	+	2	3	1	+
-20,-19	1	2	3	2	+
-22,-21	1	3	3	1	+
-24,-23	1	4	4	2	1
-26,-25	1	3	3	1	+
-28,-27	1	4	4	1	+
-30,-29	1	5	3	1	+
-32,-31	1	3	2	+	+
-34,-33	1	4	2	+	+
≤-35	2	8	2	+	+

Tuktoyaktuk

320 1 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	1	4	5	1	+
-18,-17	1	3	2	+	+
-20,-19	1	4	3	1	0
-22,-21	1	3	3	+	0
-24,-23	1	5	4	1	0
-26,-25	1	4	3	+	0
-28,-27	1	5	4	+	+
-30,-29	2	7	2	+	0
-32,-31	2	4	1	+	0
-34,-33	2	4	1	+	0
≤-35	3	6	1	0	0

Cape Parry

19788 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-16	1	3	5	1	+
-18,-17	1	3	3	1	+
-20,-19	1	3	4	1	+
-22,-21	1	3	3	1	+
-24,-23	2	3	5	1	+
-26,-25	1	3	4	1	0
-28,-27	2	5	6	1	+
-30,-29	3	5	4	1	+
-32,-31	3	3	2	+	0
-34,-33	2	3	2	+	0
s-35	3	2	1	+	0

Clinton Point

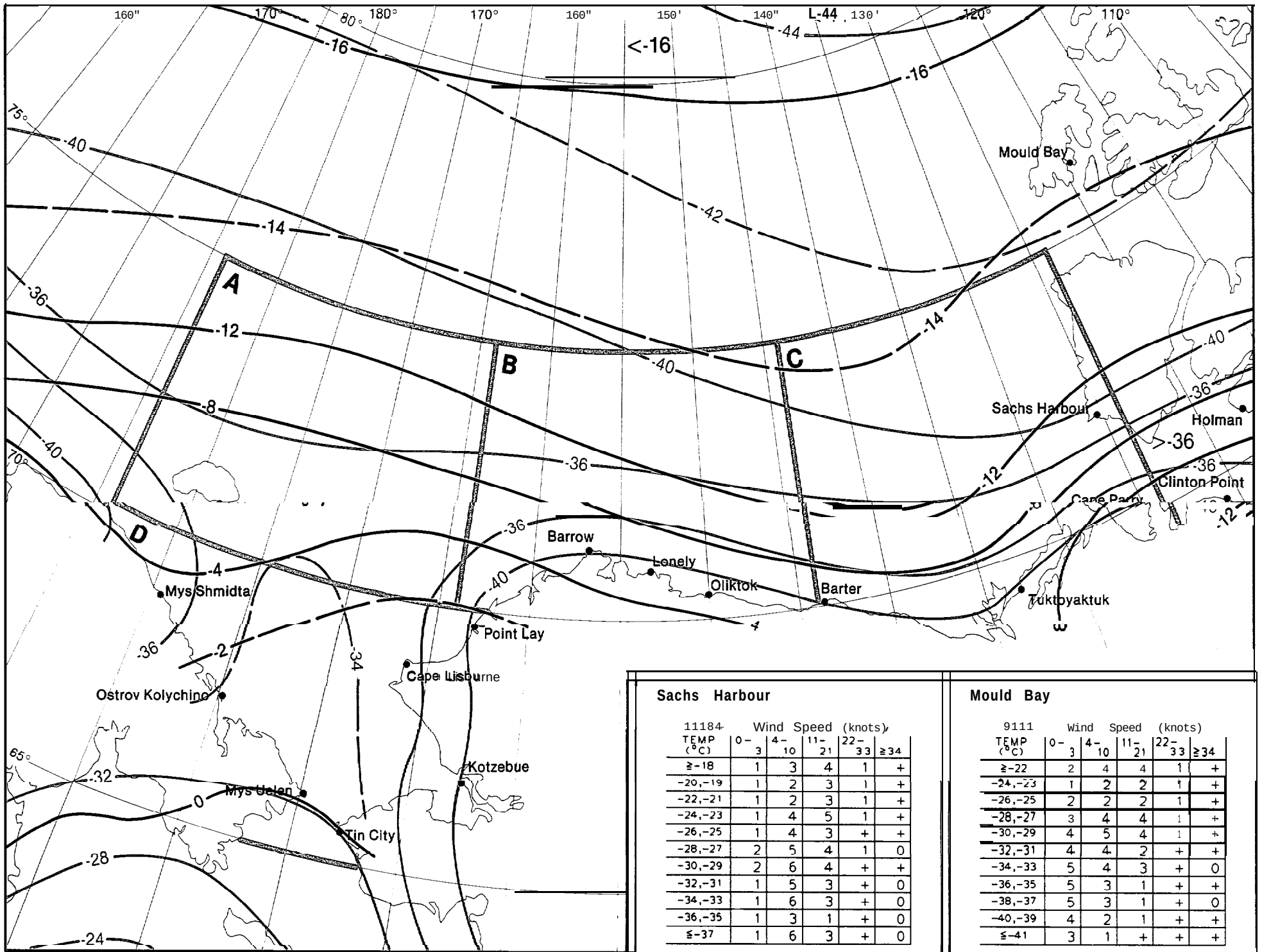
4547 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	≥34
≥-18	2	5	4	2	+
-20, -19	1	2	3	1	+
-22,-21	1	3	3	1	+
-24,-23	1	4	4	1	+
-26,-25	1	3	4	2	+
-28,-27	1	5	4	2	+
-30,-29	1	6	3	1	+
-32,-31	1	5	2	+	0
-34,-33	2	8	+	+	0
-36,-35	1	4	+	0	0
≤-37	2	5	+	0	0

Holman

322 1 Wind Speed (knots)

TEMP (°C)	0-3	4-10	11-21	22-33	234
P-14	2	3	3	1	1
-16,-15	1	2	1	+	+
-18,-17	2	3	2	1	+
-20,-19	2	4	2	1	+
-22,-21	2	3	2	1	+
-24,-23	3	4	3	2	1
-26,-25	2	3	2	2	+
-28,-27	2	5	3	2	1
-30,-29	3	4	2	1	+
-32,-31	2	2	1	+	+
≤-33	3	3	1	+	+



Sachs Harbour

11184 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-18	1	3	4	1	+
-20,-19	1	2	3	1	+
-22,-21	1	2	3	1	+
-24,-23	1	4	5	1	+
-26,-25	1	4	3	+	+
-28,-27	2	5	4	1	0
-30,-29	2	6	4	+	+
-32,-31	1	5	3	+	0
-34,-33	1	6	3	+	0
-36,-35	1	3	1	+	0
≤-37	1	6	3	+	0

Mould Bay

9111 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-22	2	4	4	1	+
-24,-23	1	2	2	1	+
-26,-25	2	2	2	1	+
-28,-27	3	4	4	1	+
-30,-29	4	5	4	1	+
-32,-31	4	4	2	+	+
-34,-33	5	4	3	+	0
-36,-35	5	3	1	+	+
-38,-37	5	3	1	+	0
-40,-39	4	2	1	+	+
≤-41	3	1	+	+	+

Marine Area A

243 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-18	2	1	+	0	0
-18,-17	0	3	+	+	0
-20,-19	1	3	2	0	0
-22,-21	4	4	3	0	0
-24,-23	3	4	2	+	0
-26,-25	5	8	4	0	0
-28,-27	8	6	3	+	0
-30,-29	2	4	+	0	0
-32,-31	2	7	2	0	+
-34,-33	3	5	0	0	0
≤-35	1	5	0	0	0

Marine Area B

582 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-14	12	7	1	0	0
-16,-15	1	2	+	+	0
-18,-17	2	1	+	0	0
-20,-19	2	2	1	1	+
-22,-21	1	3	1	1	0
-24,-23	4	4	1	+	0
-26,-25	9	4	2	+	0
-28,-27	11	3	1	0	0
-30,-29	7	1	+	0	0
-32,-31	2	1	2	0	0
≤-33	4	7	1	0	+

Marine Area C

613 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥-14	1	2	6	5	2
-16,-15	+	+	1	+	0
-18,-17	+	2	4	+	0
-20,-19	1	4	4	1	0
-22,-21	2	6	4	1	0
-24,-23	1	7	4	1	+
-26,-25	+	5	5	+	+
-28,-27	2	5	4	+	0
-30,-29	2	3	2	+	0
-32,-31	4	2	3	0	0
≤-33	1	3	2	0	0

Marine Area D

15 Wind Speed (knots)

TEMP (°C)	0–3	4–10	11–21	22–33	≥34
≥2	0	0	7	0	0
0,1	0	0	7	0	0
-2,-1	0	0	7	0	0
-4,-3	0	0	7	20	0
-6,-5	0	7	0	7	0
-8,-7	0	0	0	0	0
-10,-9	0	7	0	0	0
-12,-11	0	0	7	7	0
-14,-13	0	0	0	0	0
-16,-15	0	0	0	0	0
≤-17	0	0	13	7	0

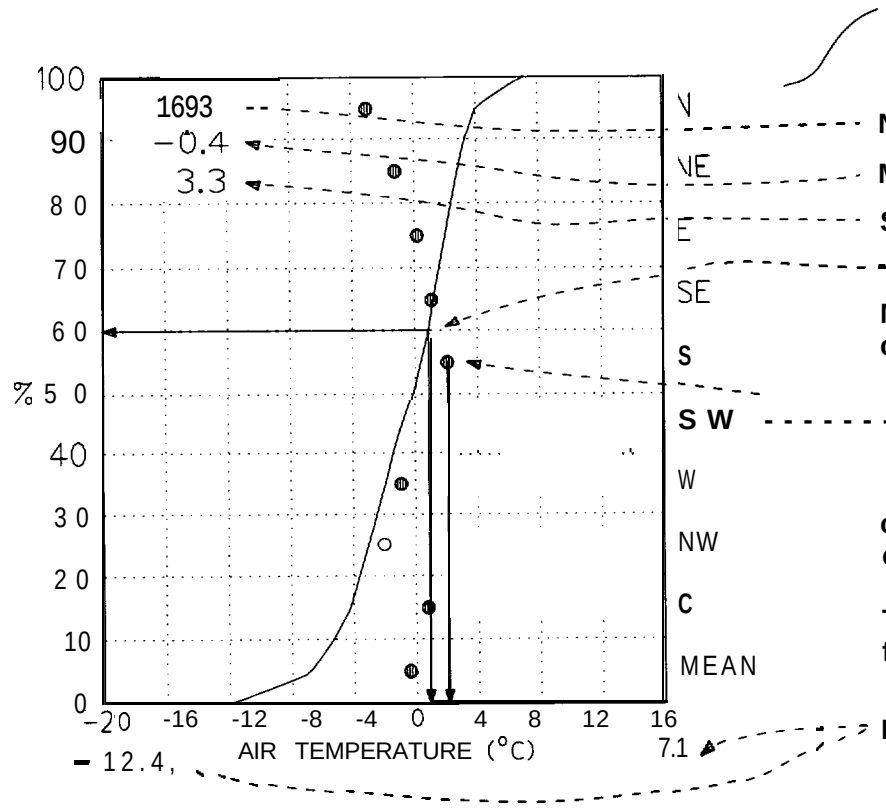
Map 8. Air temperature mean and frequency ≦0°C

BLACK LINE – Mean air temperature (°C).

BLUE LINE – Percent frequency of temperature ≦0°C (≦32°F).

Albers Equal-Area Conic Projection

Graphs: Air temperature/wind direction



Cumulative percent frequency of temperatures equal to or less than the temperature intersected by the curve.

Number of observations.

Mean temperature (°C).

Standard deviation of temperatures (°C).

(60% of all temperatures were SO.9 °C **or 533.6 °F.)**

Mean temperature for each wind direction, calm and for all data combined are represented by dots.

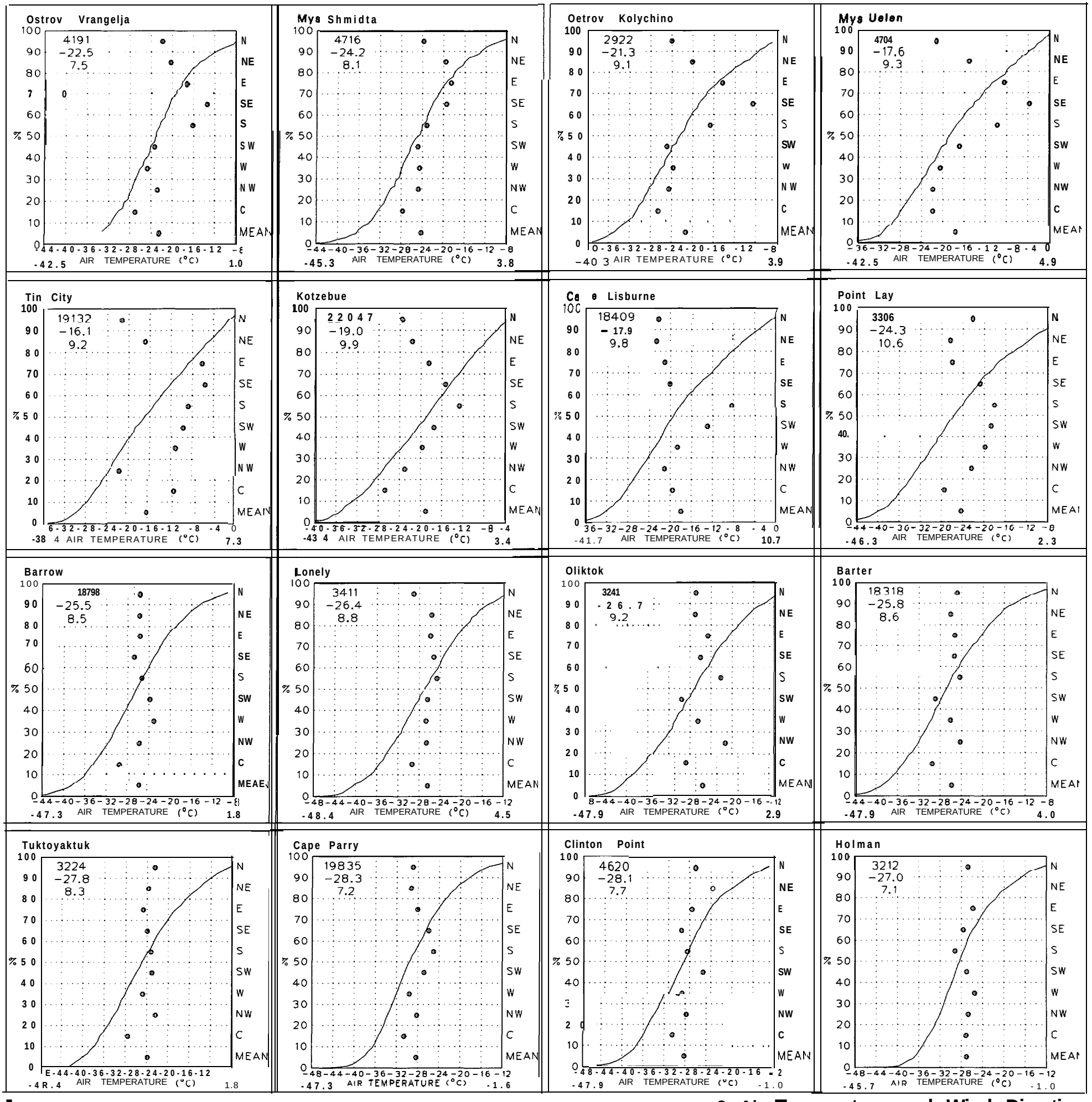
***(With S winds, the** mean temperature was 2.1 °C of 35.8 °F.)*

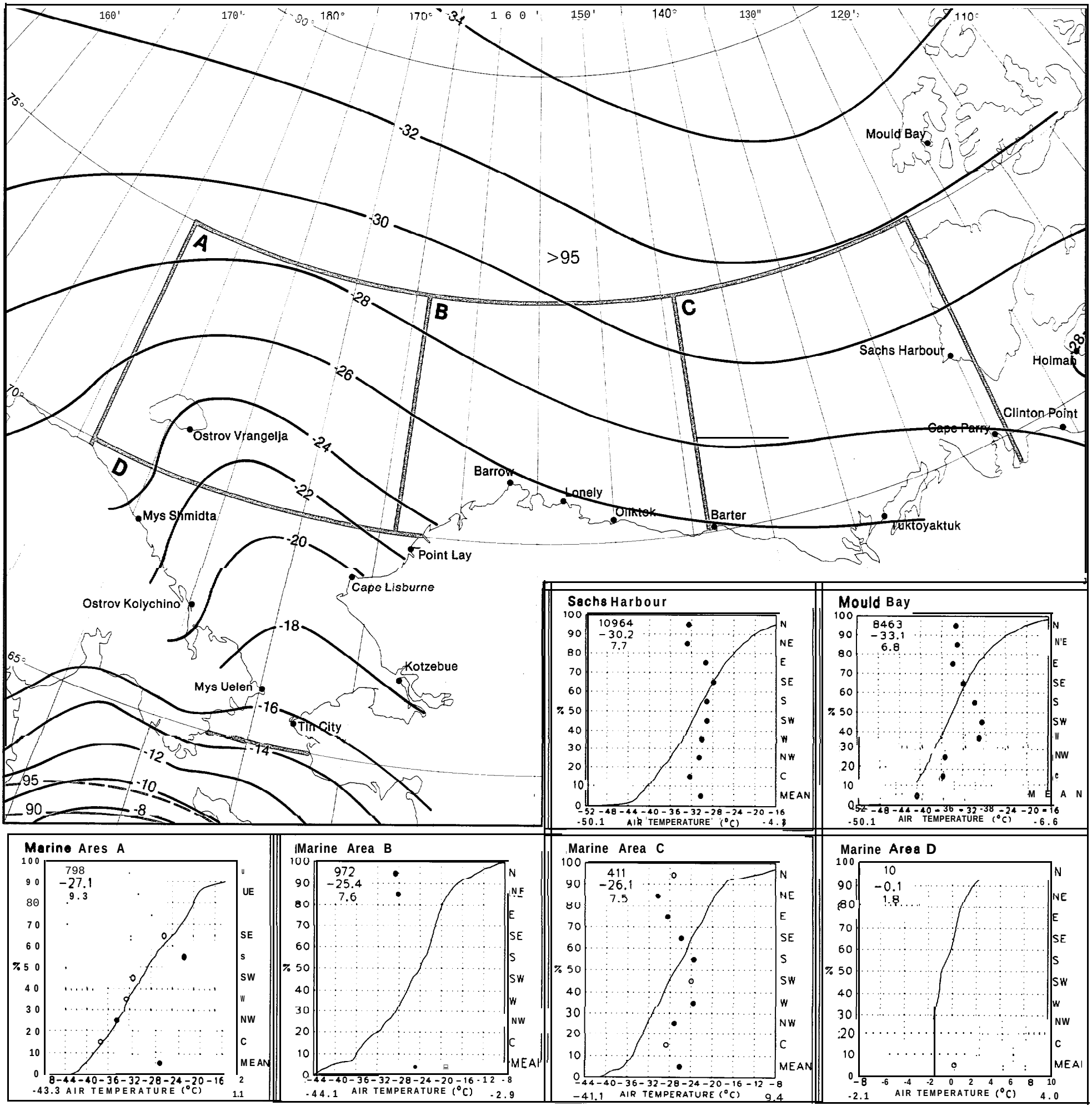
o Indicates that the mean temperature for a direction or calm was computed from 10-30 observations.

The mean temperature is omitted when less than 10 observations for a direction or calm were available.

Maximum and minimum air temperature.

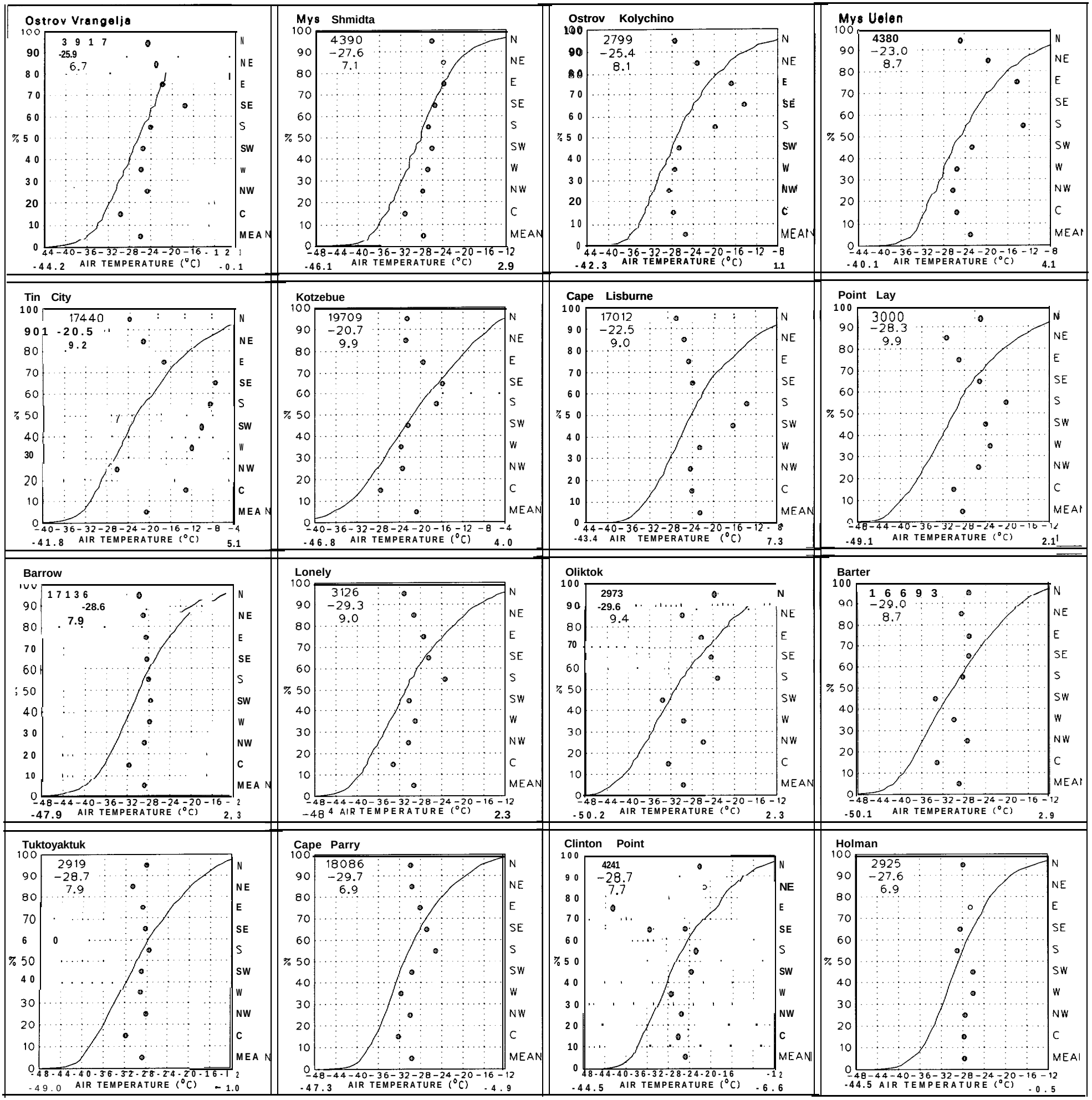
The temperature scale of the graphs varies in both range and class interval. The percent frequency of temperature observations greater than a given value can be obtained by subtracting the cumulative percent frequency of that value from 100%. The number of observations and the standard deviation, plus the plotted points on the graphs, are based on those observations reporting both temperature and wind direction. The cumulative curve is based on all observations reporting temperature with or without wind direction.

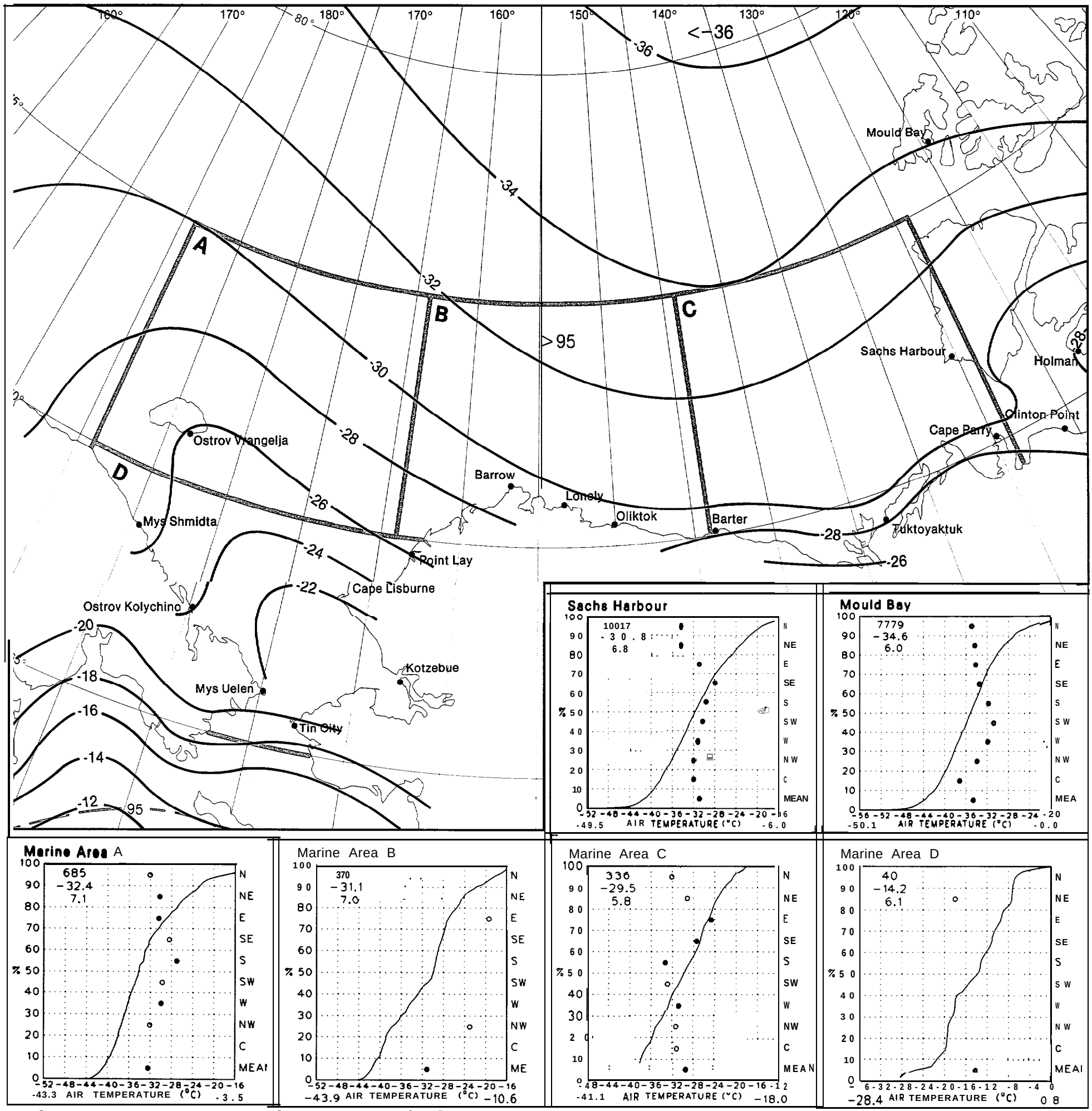

Ostrov Vrangelja
4191
-22.5
7.5
-42.5
1.0
Mys Shmidta
4716
-24.2
8.1
-45.3
3.8
Oetrov Kolychino
2922
-21.3
9.1
-40 3
3.9
Mys Uelen
4704
-17.6
9.3
-42.5
4.9
Tin City
19132
-16.1
9.2
-38 4
7.3
Kotzebue
22047
-19.0
9.9
-43 4
3.4
Ca e Lisburne
18409
- 17.9
9.8
-41.7
10.7
Point Lay
3306
-24.3
10.6
-46.3
2.3
Barrow
18798
-25.5
8.5
-47.3
1.8
Lonely
3411
-26.4
8.8
-48.4
4.5
Oliktok
3241
- 26.7
9.2
-47.9
2.9
Barter
18318
-25.8
8.6
-47.9
4.0
Tuktoyaktuk
3224
-27.8
8.3
-4R.4
1.8
Cape Parry
19835
-28.3
7.2
-47.3
-1.6
Clinton Point
4620
-28.1
7.7
-47.9
-1.0
Holman
3212
-27.0
7.1
-45.7
-1.0
AIR TEMPERATURE (°C)
%
N
NE
E
SE
S
SW
W
NW
C
MEAN



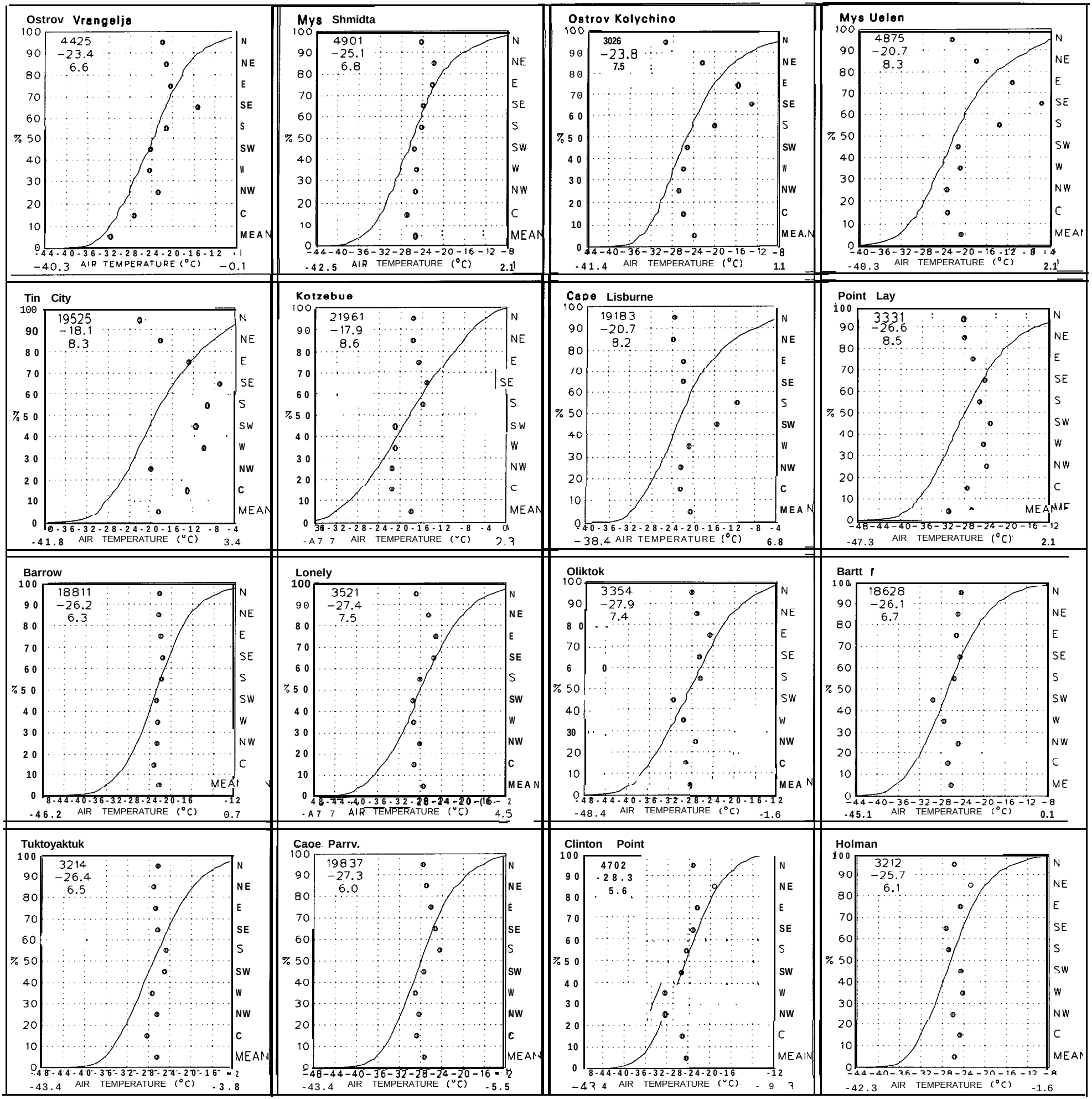
8 Air Temperature Mean and Frequency ≦0°C

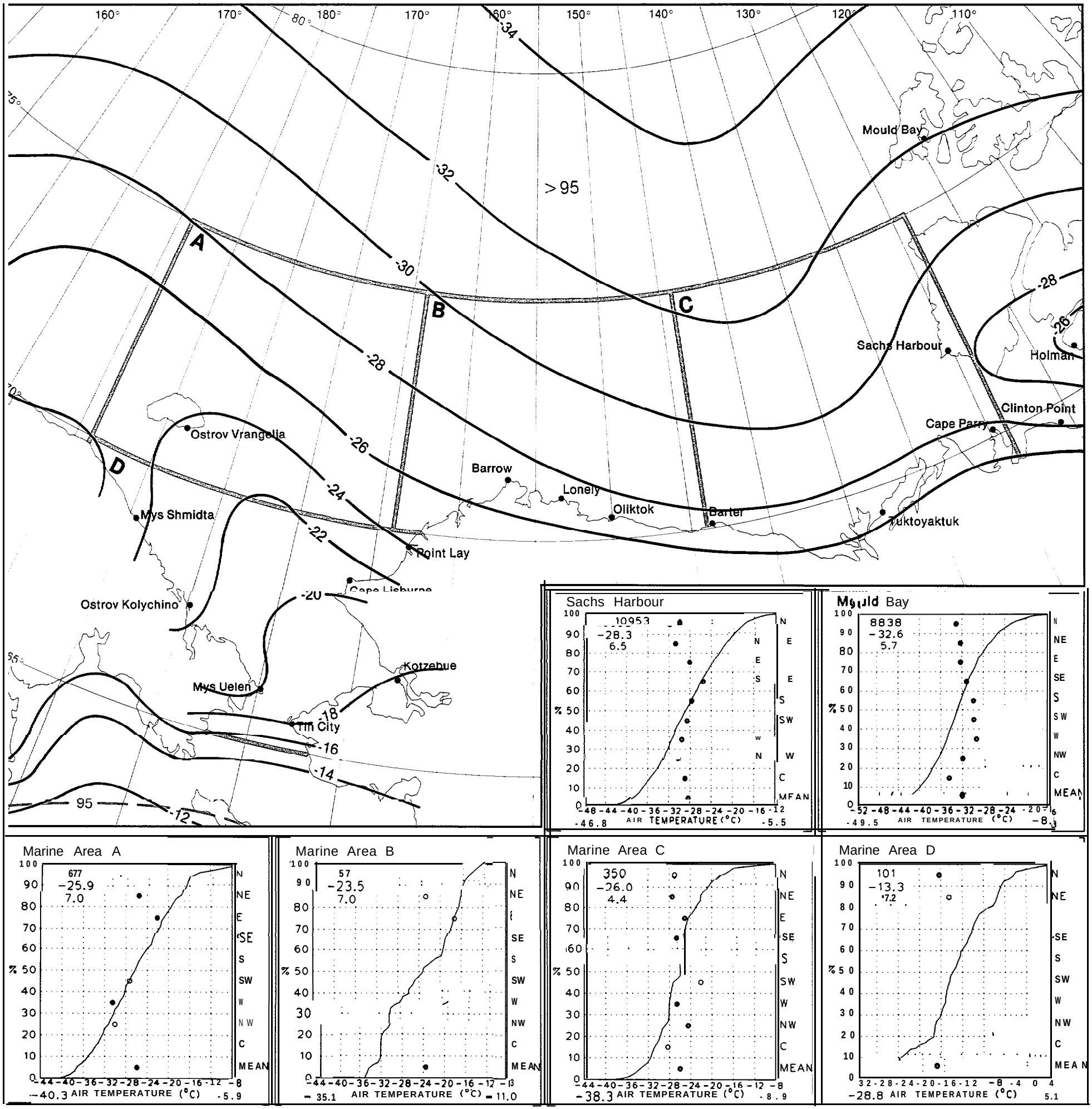
January


Ostrov Vrangelja
3917
-25.9
6.7
-44.2
-0.1
Mys Shmidta
4390
-27.6
7.1
-46.1
2.9
Ostrov Kolychino
2799
-25.4
8.1
-42.3
1.1
Mys Uelen
4380
-23.0
8.7
-40.1
4.1
Tin City
17440
-20.5
9.2
-41.8
5.1
Kotzebue
19709
-20.7
9.9
-46.8
4.0
Cape Lisburne
17012
-22.5
9.0
-43.4
7.3
Point Lay
3000
-28.3
9.9
-49.1
2.1
Barrow
17136
-28.6
7.9
-47.9
2.3
Lonely
3126
-29.3
9.0
-48.4
2.3
Oliktok
2973
-29.6
9.4
-50.2
2.3
Barter
16693
-29.0
8.7
-50.1
2.9
Tuktoyaktuk
2919
-28.7
7.9
-49.0
1.0
Cape Parry
18086
-29.7
6.9
-47.3
-4.9
Clinton Point
4241
-28.7
7.7
-44.5
-6.6
Holman
2925
-27.6
6.9
-44.5
-0.5
AIR TEMPERATURE (°C)
% 50
N
NE
E
SE
S
SW
W
NW
C
MEAN

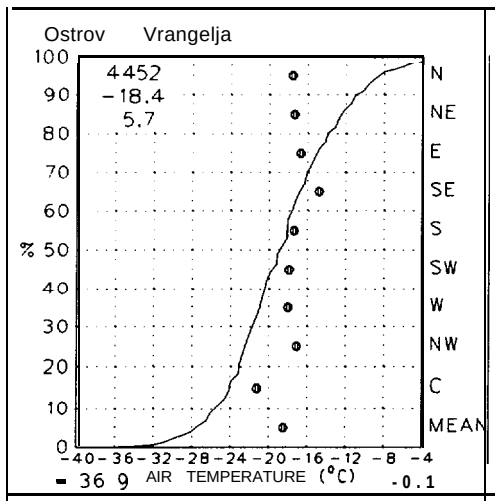


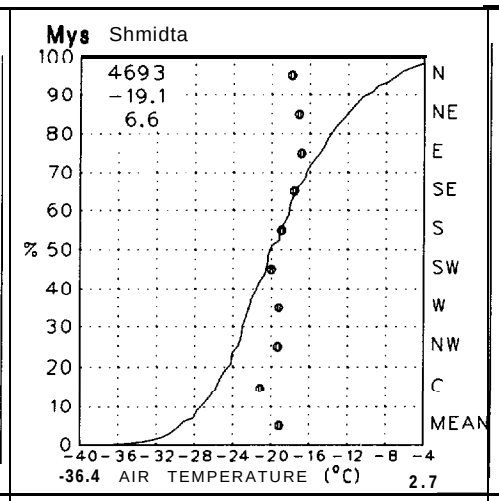
8 Air Temperature Mean and Frequency ≦0°C **February**

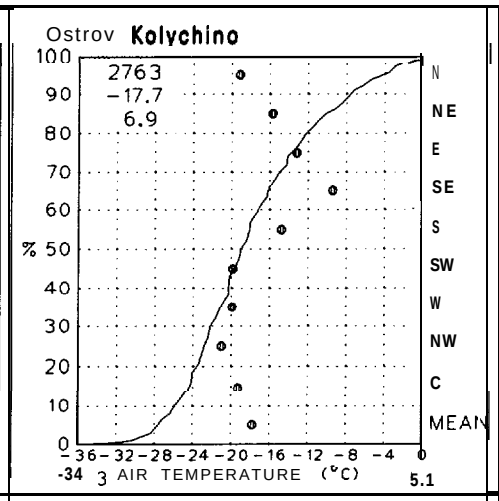

Ostrov Vrangelja
4425
-23.4
6.6
-40.3
-0.1
Mys Shmidta
4901
-25.1
6.8
-42.5
2.1
Ostrov Kolychino
3026
-23.8
7.5
-41.4
1.1
Mys Uelen
4875
-20.7
8.3
-40.3
2.1
Tin City
19525
-18.1
8.3
-41.8
3.4
Kotzebue
21961
-17.9
8.6
-47.7
2.3
Cape Lisburne
19183
-20.7
8.2
-38.4
6.8
Point Lay
3331
-26.6
8.5
-47.3
2.1
Barrow
18811
-26.2
6.3
-46.2
0.7
Lonely
3521
-27.4
7.5
-47.7
4.5
Oliktok
3354
-27.9
7.4
-48.4
-1.6
Bartt
18628
-26.1
6.7
-45.1
0.1
Tuktoyaktuk
3214
-26.4
6.5
-43.4
-3.8
Cape Parry
19837
-27.3
6.0
-43.4
-5.5
Clinton Point
4702
-28.3
5.6
-43.4
Holman
3212
-25.7
6.1
-42.3
-1.6
AIR TEMPERATURE (°C)
N
NE
E
SE
S
SW
W
NW
C
MEAN
%

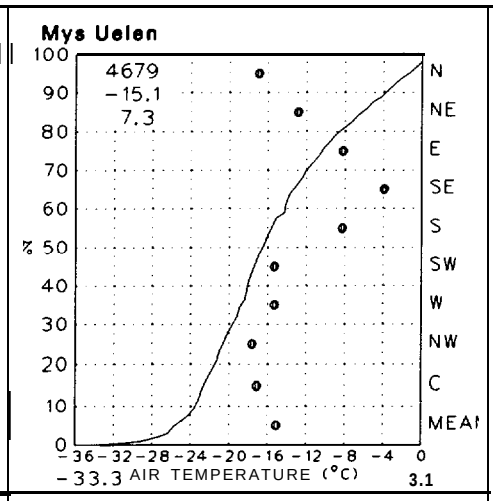


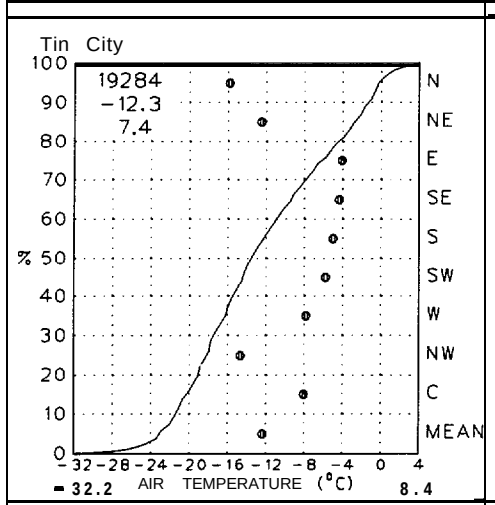
8 Air Temperature Mean and Frequency ≦0°C **March**

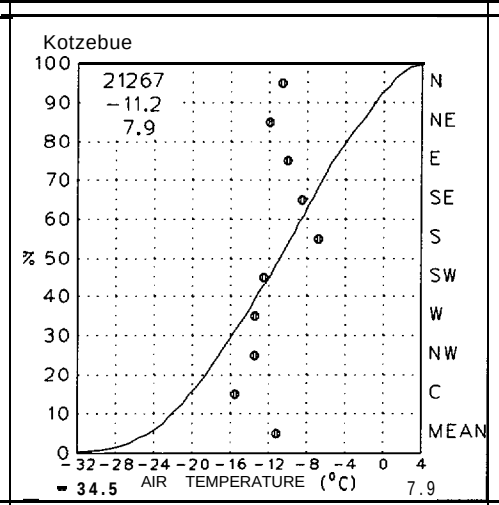

Ostrov Vrangelja
4452
-18.4
5.7
% AIR TEMPERATURE (°C)
-36.9
-0.1

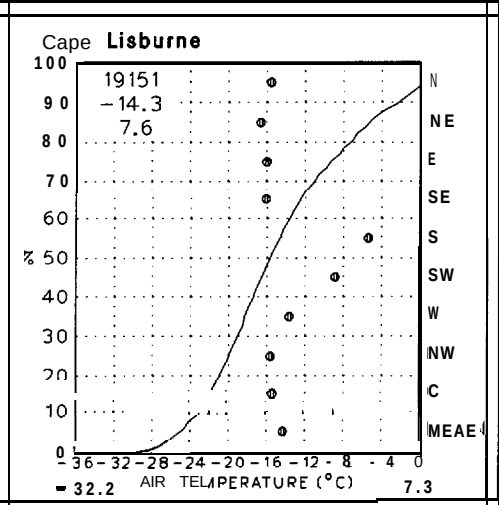

Mys Shmidta
4693
-19.1
6.6
% AIR TEMPERATURE (°C)
-36.4
2.7

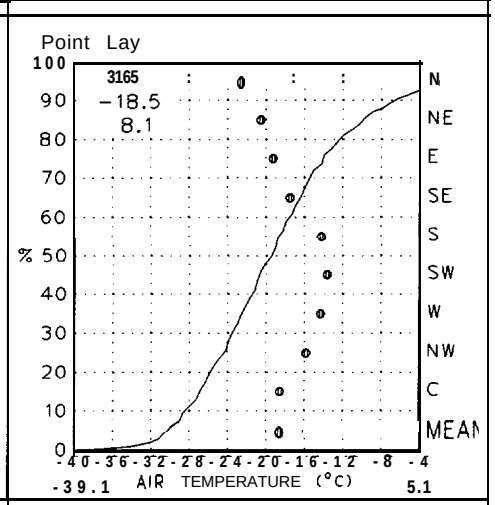

Ostrov Kolychino
2763
-17.7
6.9
% AIR TEMPERATURE (°C)
-34.3
5.1

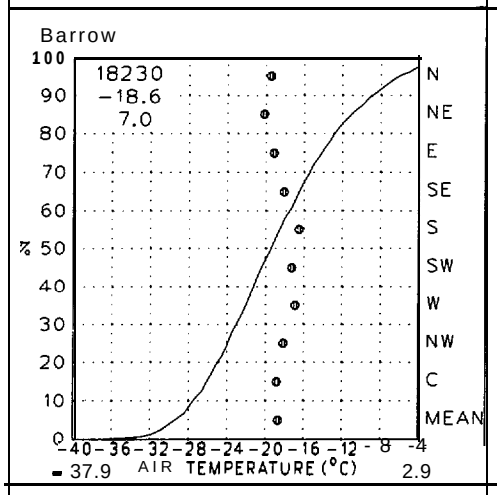

Mys Uelen
4679
-15.1
7.3
% AIR TEMPERATURE (°C)
-33.3
3.1

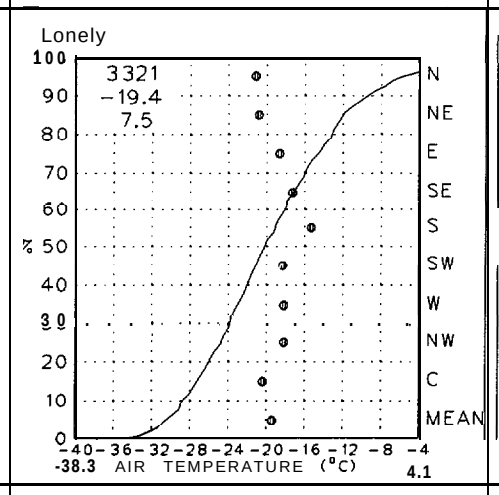

Tin City
19284
-12.3
7.4
% AIR TEMPERATURE (°C)
-32.2
8.4

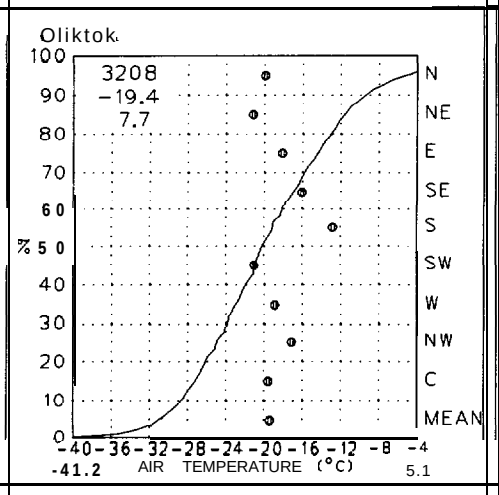

Kotzebue
21267
-11.2
7.9
% AIR TEMPERATURE (°C)
-34.5
7.9

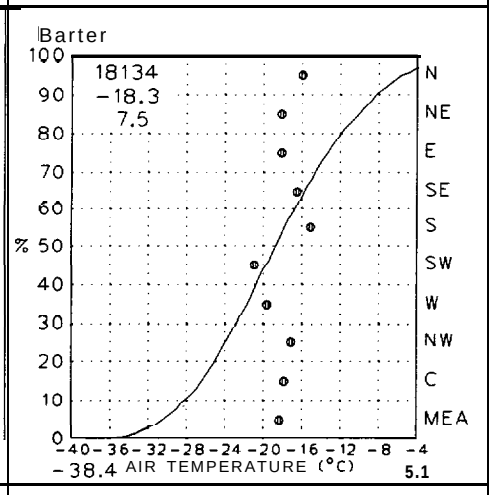

Cape Lisburne
19151
-14.3
7.6
% AIR TEMPERATURE (°C)
-32.2
7.3

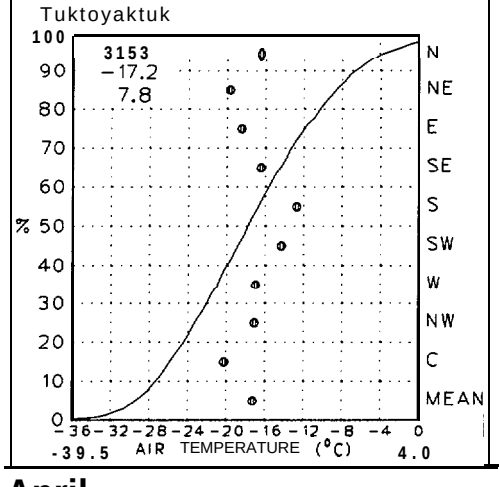

Point Lay
3165
-18.5
8.1
% AIR TEMPERATURE (°C)
-39.1
5.1

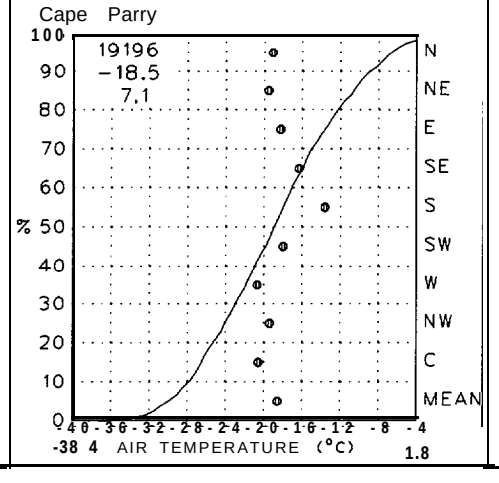

Barrow
18230
-18.6
7.0
% AIR TEMPERATURE (°C)
-37.9
2.9

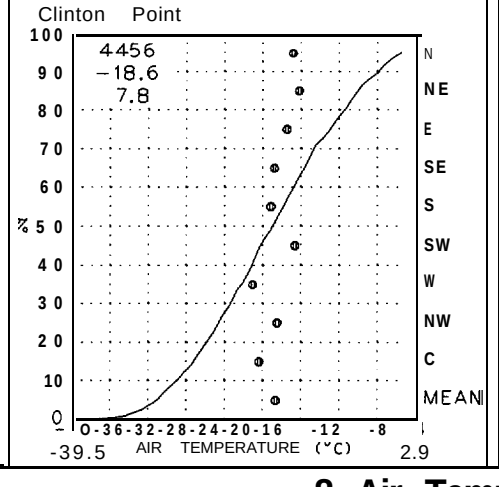

Lonely
3321
-19.4
7.5
% AIR TEMPERATURE (°C)
-38.3
4.1

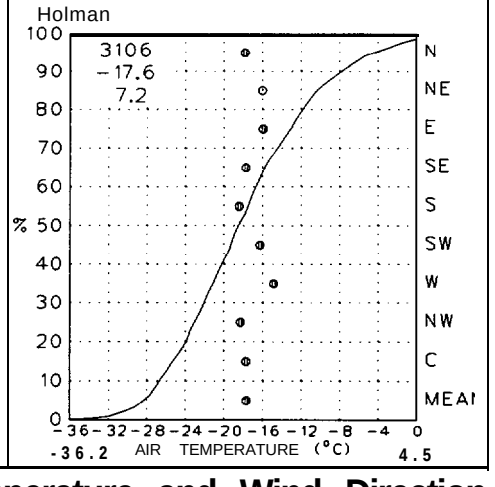

Oliktok
3208
-19.4
7.7
% AIR TEMPERATURE (°C)
-41.2
5.1

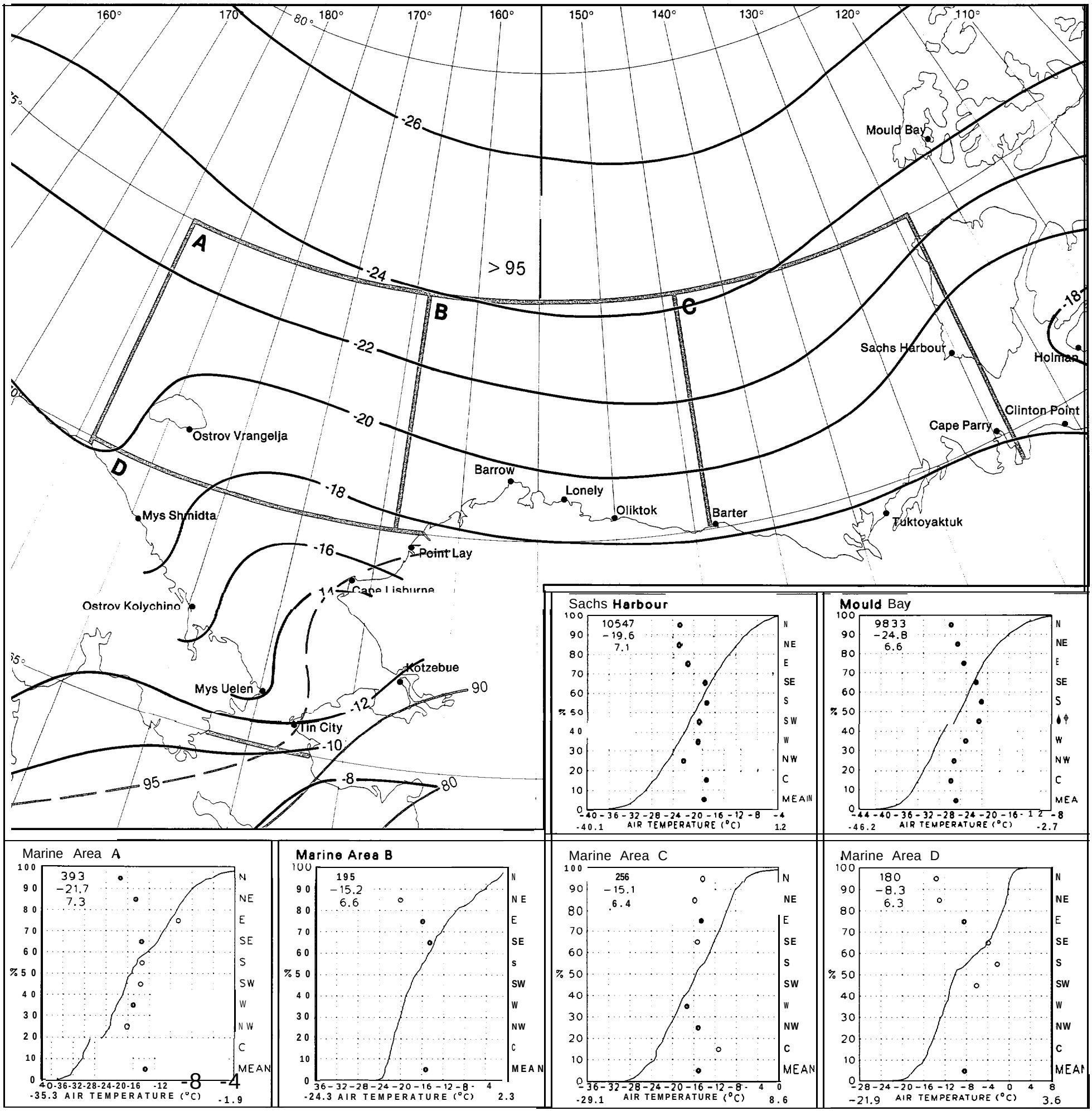

Barter
18134
-18.3
7.5
% AIR TEMPERATURE (°C)
-38.4
5.1


Tuktoyaktuk
3153
-17.2
7.8
% AIR TEMPERATURE (°C)
-39.5
4.0


Cape Parry
19196
-18.5
7.1
% AIR TEMPERATURE (°C)
-38.4
1.8

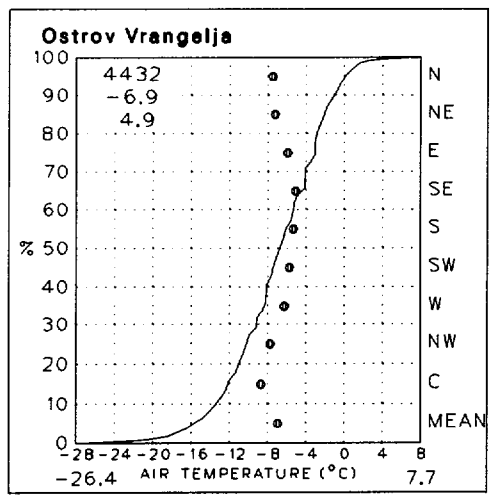

Clinton Point
4456
-18.6
7.8
% AIR TEMPERATURE (°C)
-39.5
2.9

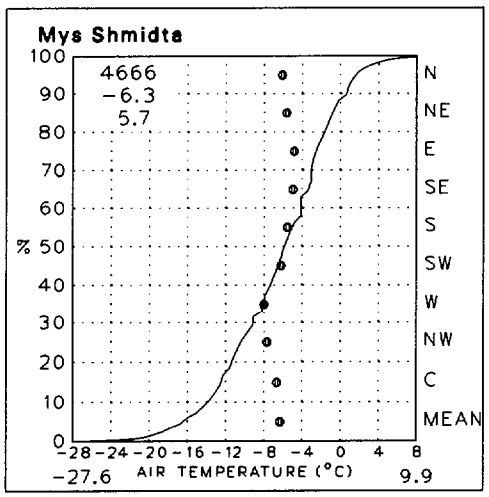

Holman
3106
-17.6
7.2
% AIR TEMPERATURE (°C)
-36.2
4.5

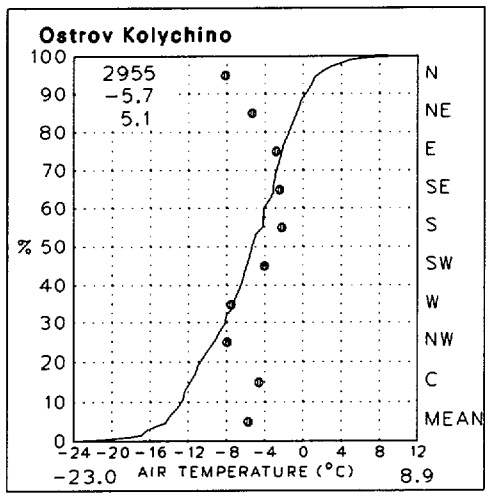


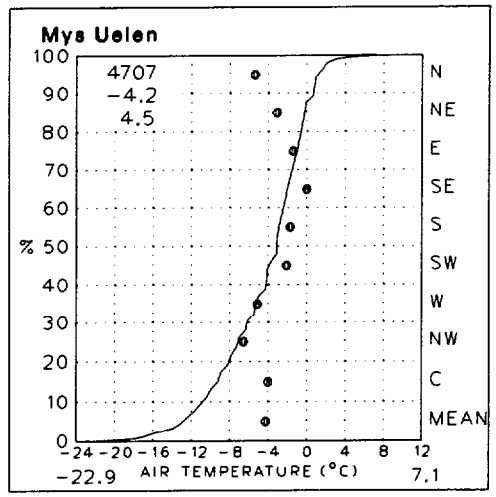
8 Air Temperature Mean and Frequency ≦0°C

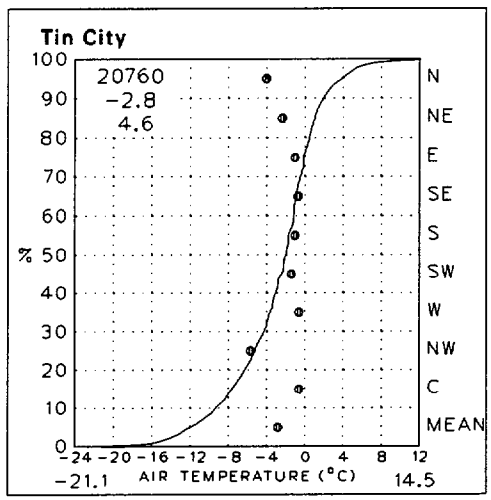
April

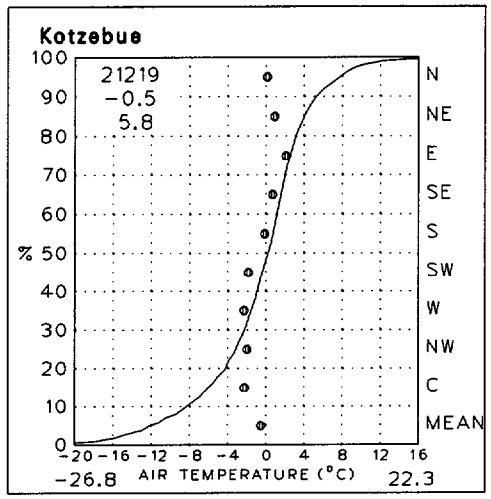

Ostrov Vrangelja
4432
-6.9
4.9
-26.4
7.7

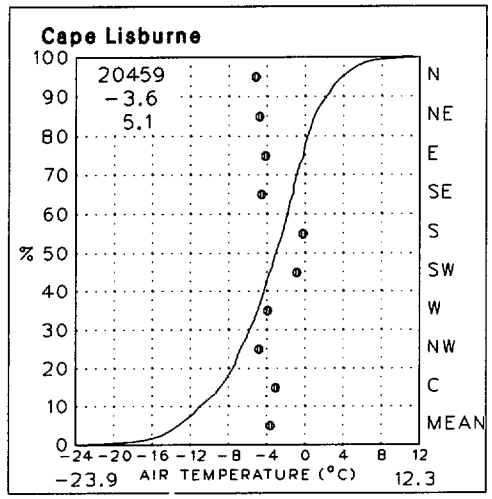

Mys Shmidta
4666
-6.3
5.7
-27.6
9.9

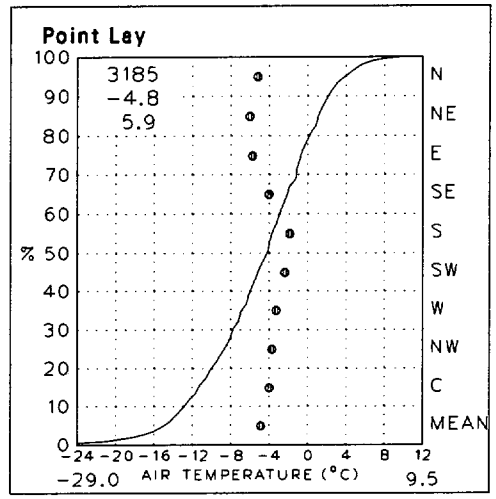

Ostrov Kolychino
2955
-5.7
5.1
-23.0
8.9

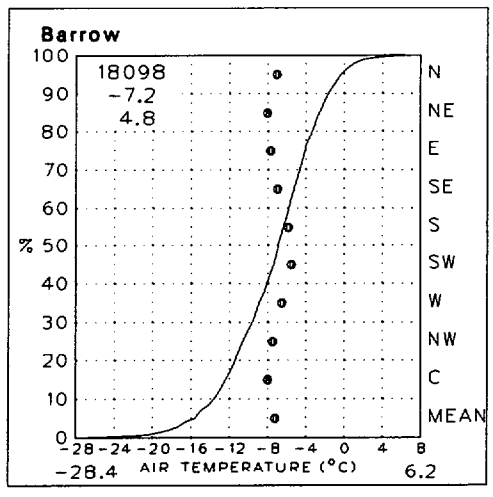

Mys Uelen
4707
-4.2
4.5
-22.9
7.1

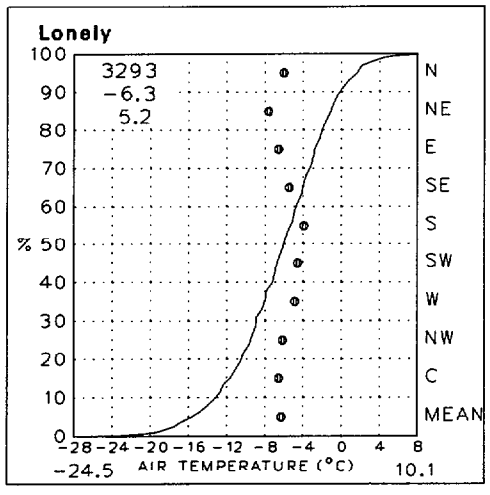

Tin City
20760
-2.8
4.6
-21.1
14.5

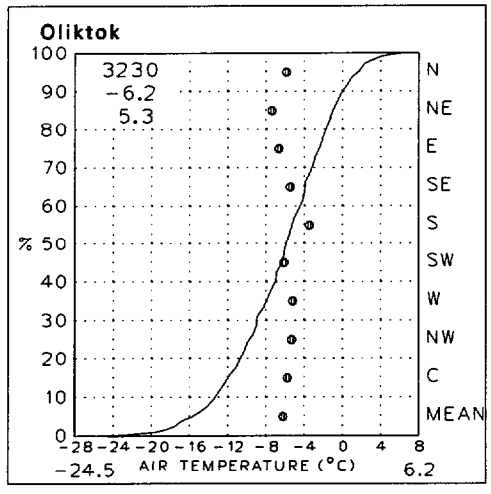

Kotzebue
21219
-0.5
5.8
-26.8
22.3

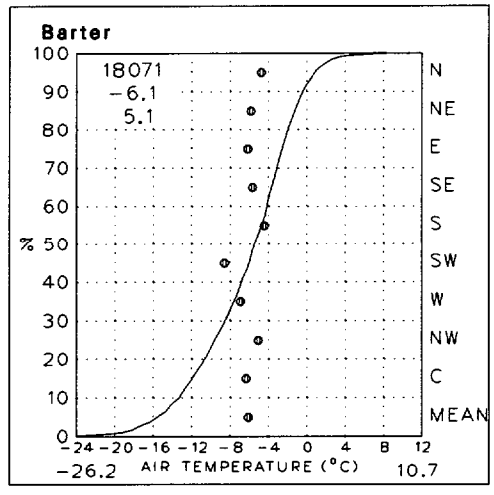

Cape Lisburne
20459
-3.6
5.1
-23.9
12.3

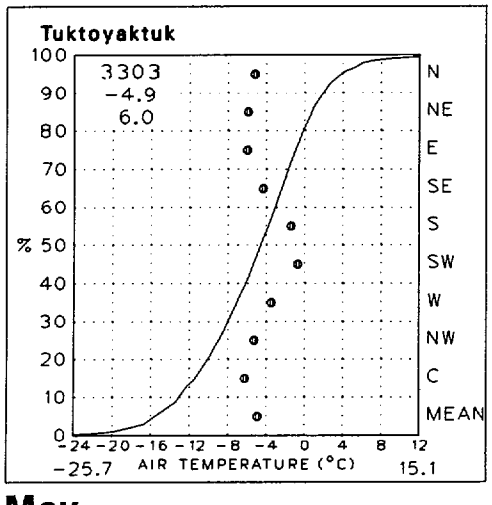

Point Lay
3185
-4.8
5.9
-29.0
9.5

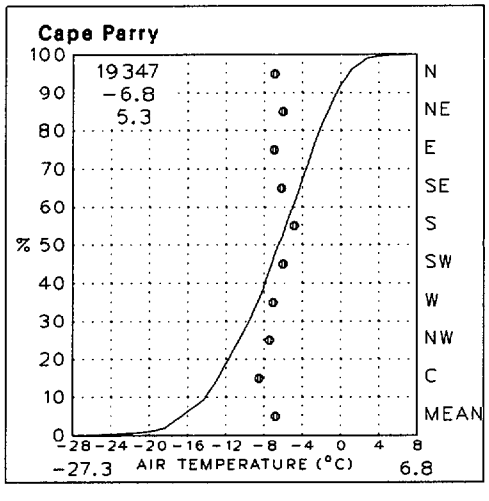

Barrow
18098
-7.2
4.8
-28.4
6.2

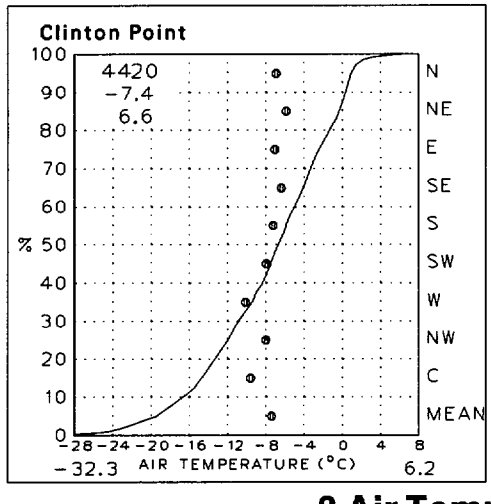

Lonely
3293
-6.3
5.2
-24.5
10.1

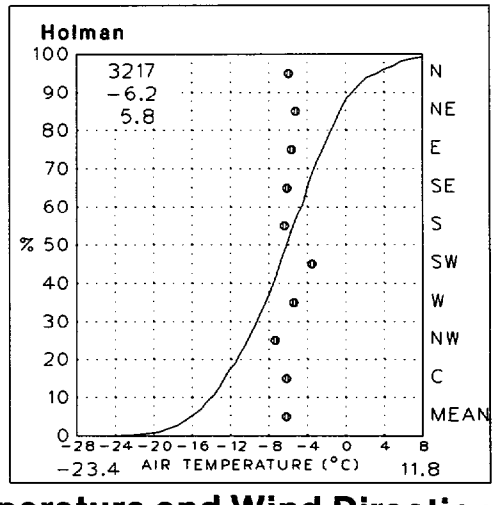

Oliktok
3230
-6.2
5.3
-24.5
6.2

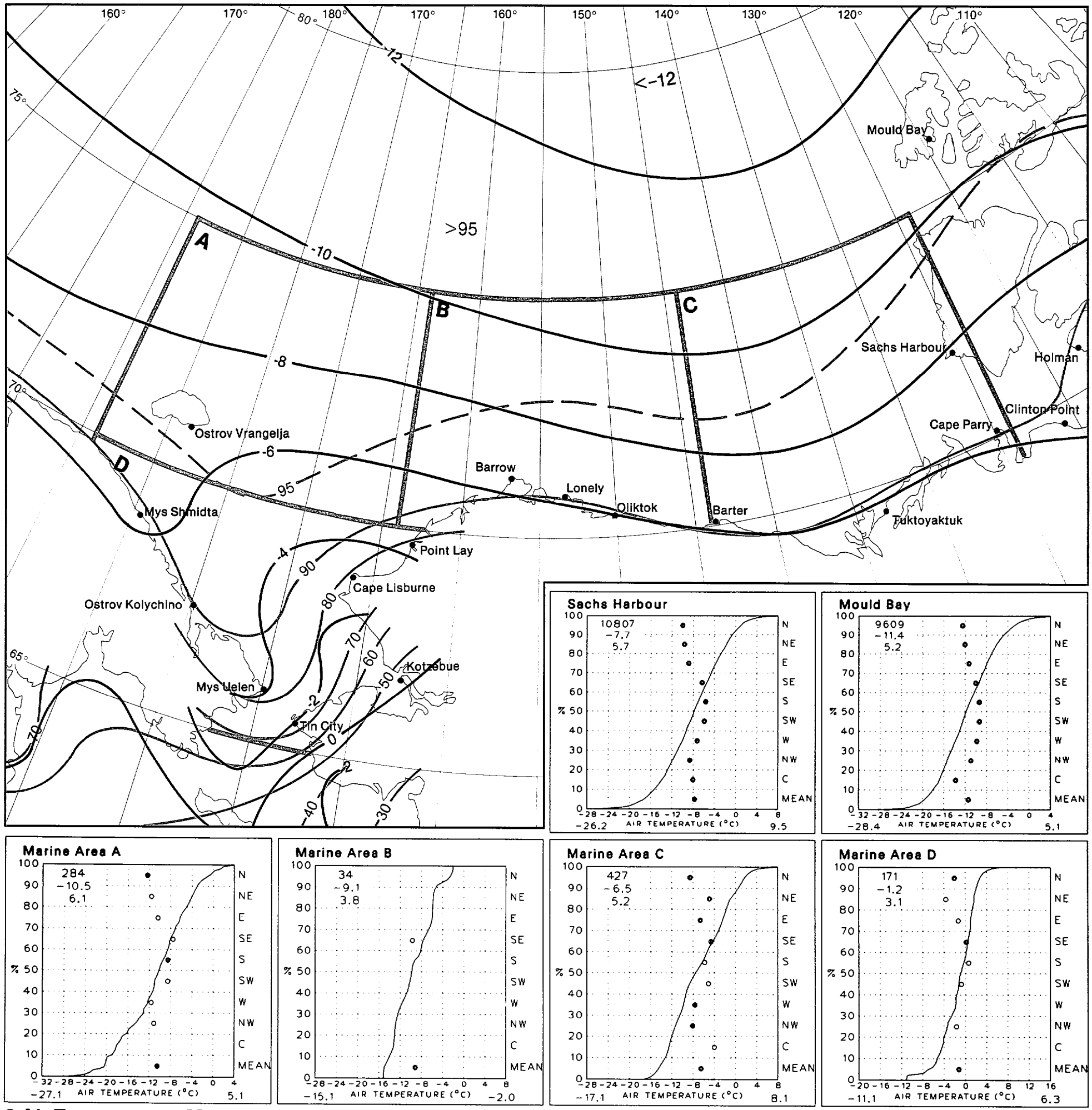

Barter
18071
-6.1
5.1
-26.2
10.7


Tuktoyaktuk
3303
-4.9
6.0
-25.7
15.1


Cape Parry
19347
-6.8
5.3
-27.3
6.8

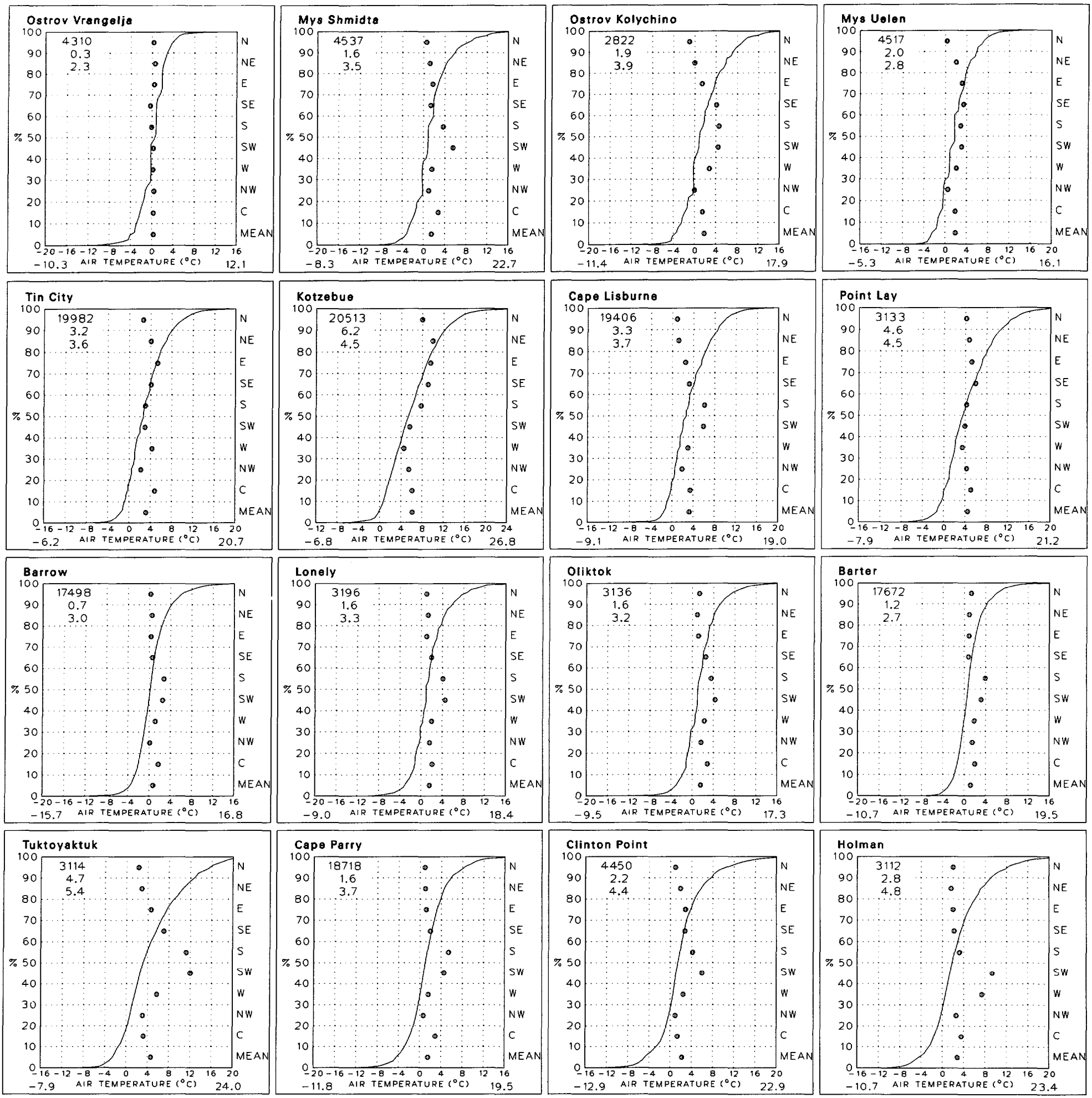

Clinton Point
4420
-7.4
6.6
-32.3
6.2

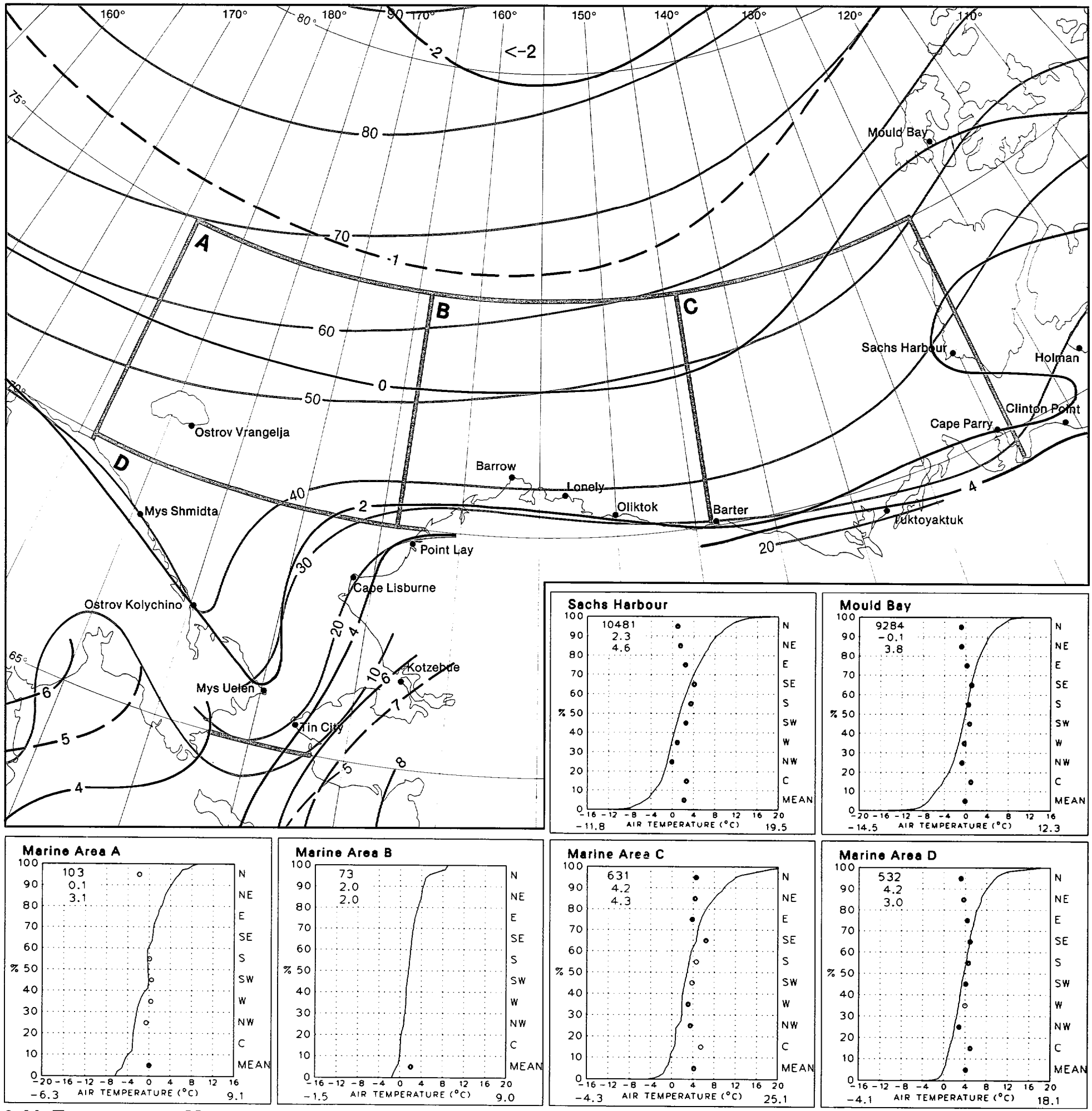

Holman
3217
-6.2
5.8
-23.4
11.8



8 Air Temperature Mean and Frequency ≦0°C

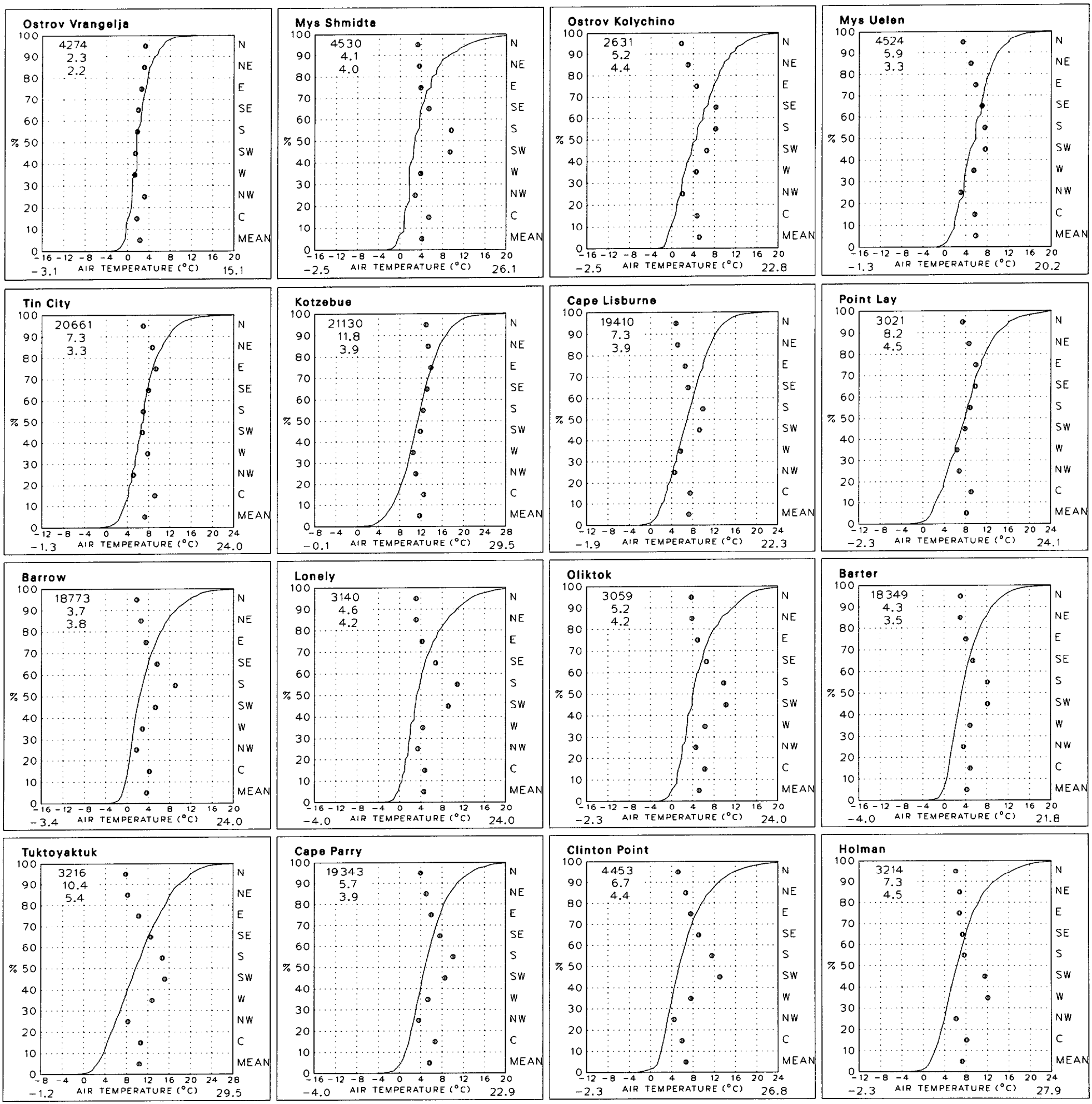
May

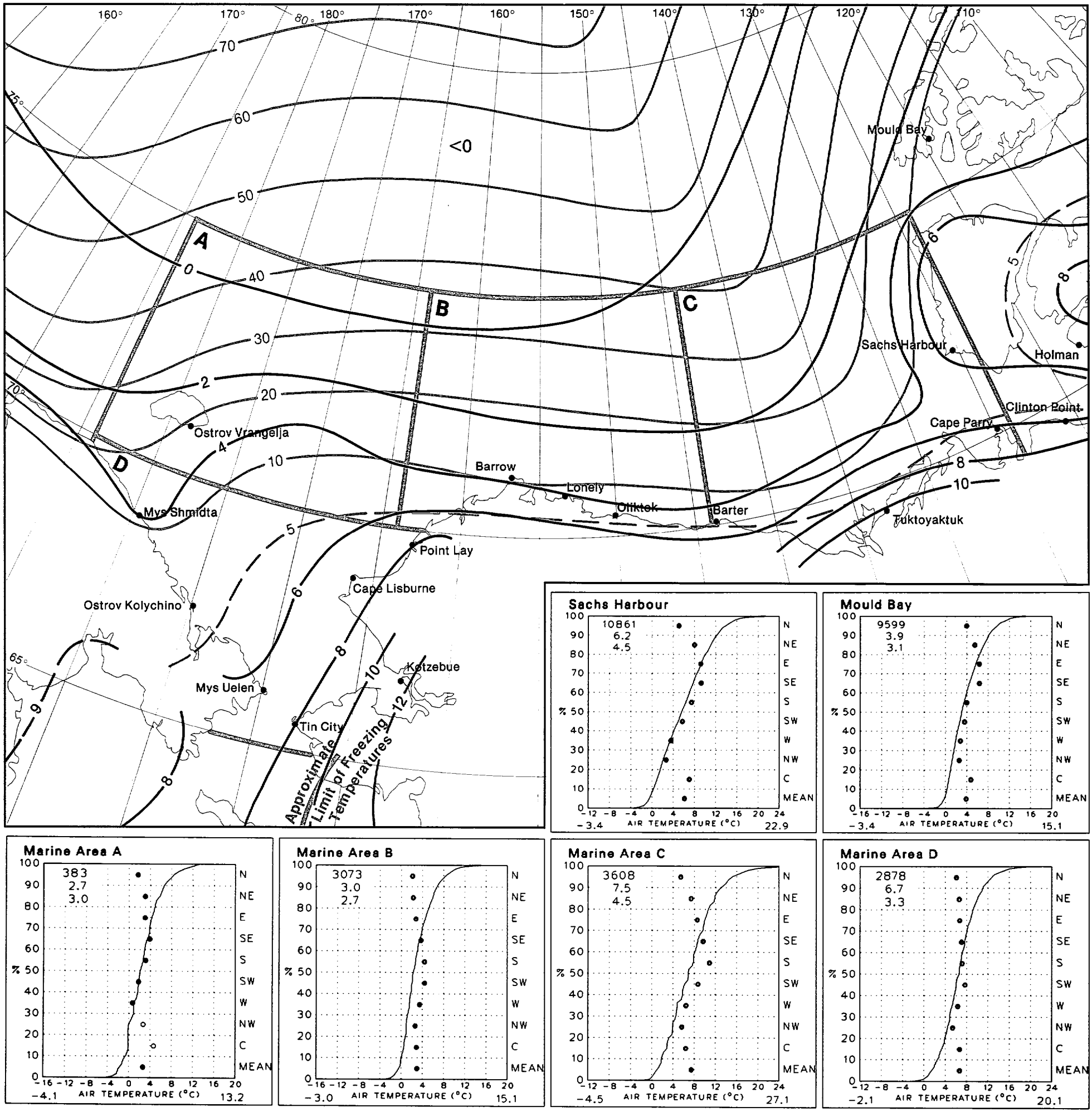

Ostrov Vrangelja
4310
0.3
2.3
-10.3
12.1
Mys Shmidta
4537
1.6
3.5
-8.3
22.7
Ostrov Kolychino
2822
1.9
3.9
-11.4
17.9
Mys Uelen
4517
2.0
2.8
-5.3
16.1
Tin City
19982
3.2
3.6
-6.2
20.7
Kotzebue
20513
6.2
4.5
-6.8
26.8
Cape Lisburne
19406
3.3
3.7
-9.1
19.0
Point Lay
3133
4.6
4.5
-7.9
21.2
Barrow
17498
0.7
3.0
-15.7
16.8
Lonely
3196
1.6
3.3
-9.0
18.4
Oliktok
3136
1.6
3.2
-9.5
17.3
Barter
17672
1.2
2.7
-10.7
19.5
Tuktoyaktuk
3114
4.7
5.4
-7.9
24.0
Cape Parry
18718
1.6
3.7
-11.8
19.5
Clinton Point
4450
2.2
4.4
-12.9
22.9
Holman
3112
2.8
4.8
-10.7
23.4
%
AIR TEMPERATURE (°C)
N
NE
E
SE
S
SW
W
NW
C
MEAN



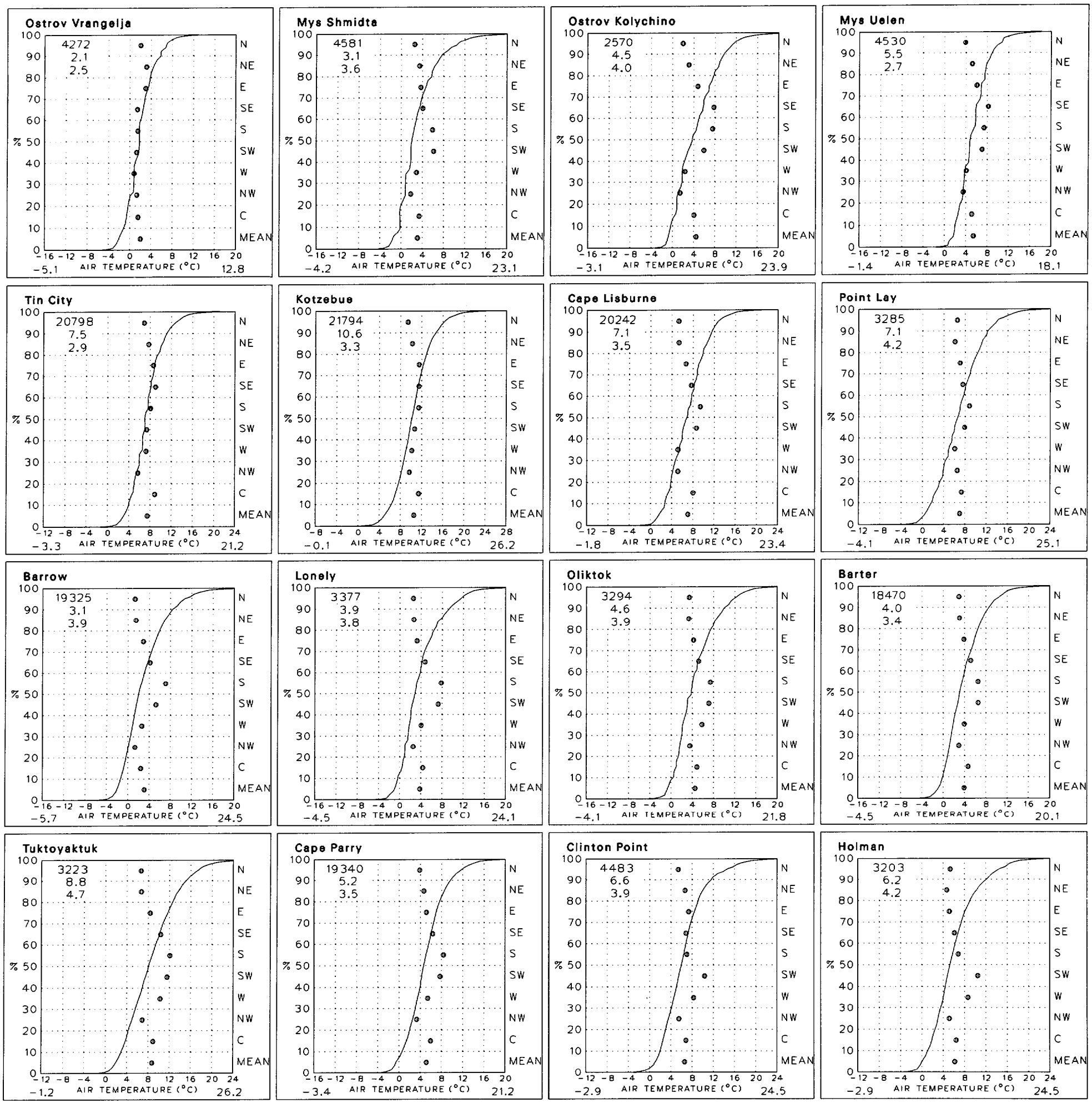
8 Air Temperature Mean and Frequency ≦0°C

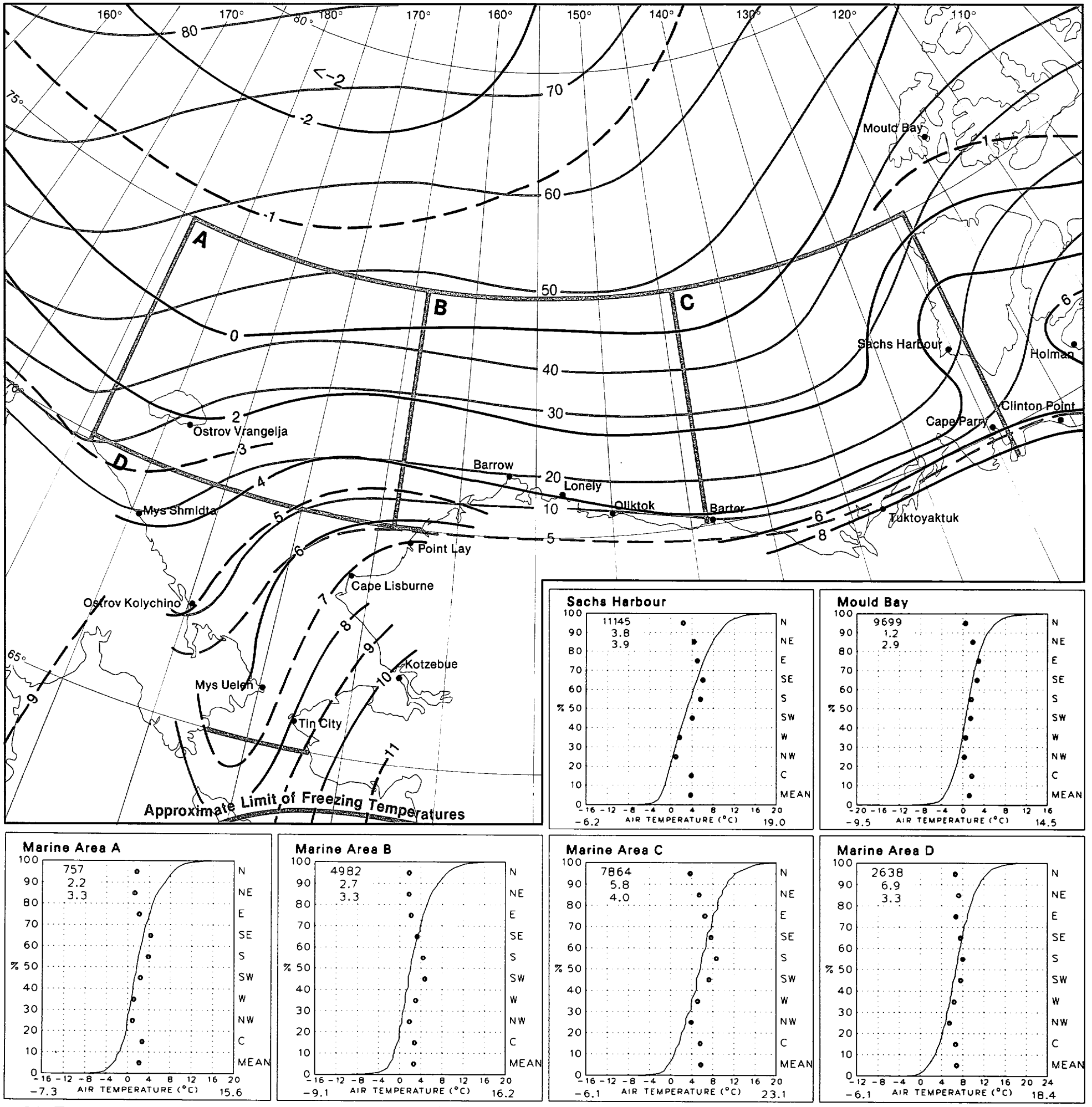
June


Ostrov Vrangelja
4274
2.3
2.2
-3.1
15.1
Mys Shmidta
4530
4.1
4.0
-2.5
26.1
Ostrov Kolychino
2631
5.2
4.4
-2.5
22.8
Mys Uelen
4524
5.9
3.3
-1.3
20.2
Tin City
20661
7.3
3.3
-1.3
24.0
Kotzebue
21130
11.8
3.9
-0.1
29.5
Cape Lisburne
19410
7.3
3.9
-1.9
22.3
Point Lay
3021
8.2
4.5
-2.3
24.1
Barrow
18773
3.7
3.8
-3.4
24.0
Lonely
3140
4.6
4.2
-4.0
24.0
Oliktok
3059
5.2
4.2
-2.3
24.0
Barter
18349
4.3
3.5
-4.0
21.8
Tuktoyaktuk
3216
10.4
5.4
-1.2
29.5
Cape Parry
19343
5.7
3.9
-4.0
22.9
Clinton Point
4453
6.7
4.4
-2.3
26.8
Holman
3214
7.3
4.5
-2.3
27.9
%
AIR TEMPERATURE (°C)
N
NE
E
SE
S
SW
W
NW
C
MEAN



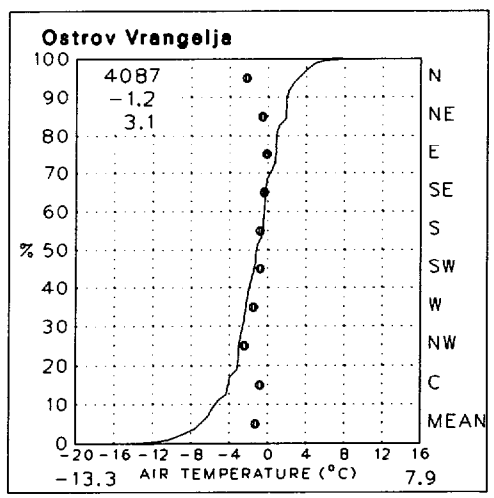
8 Air Temperature Mean and Frequency ≦0°C **July**

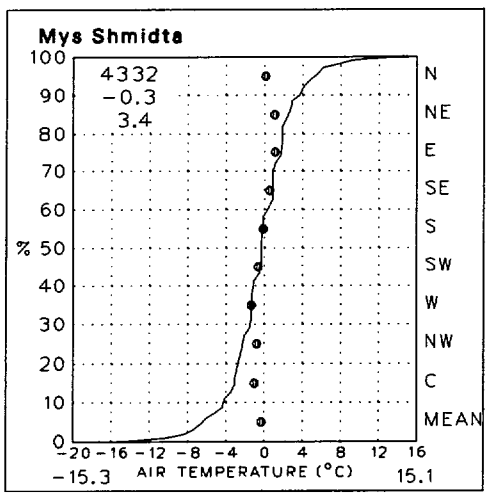

Ostrov Vrangelja
4272
2.1
2.5
-5.1
12.8
Mys Shmidta
4581
3.1
3.6
-4.2
23.1
Ostrov Kolychino
2570
4.5
4.0
-3.1
23.9
Mys Uelen
4530
5.5
2.7
-1.4
18.1
Tin City
20798
7.5
2.9
-3.3
21.2
Kotzebue
21794
10.6
3.3
-0.1
26.2
Cape Lisburne
20242
7.1
3.5
-1.8
23.4
Point Lay
3285
7.1
4.2
-4.1
25.1
Barrow
19325
3.1
3.9
-5.7
24.5
Lonely
3377
3.9
3.8
-4.5
24.1
Oliktok
3294
4.6
3.9
-4.1
21.8
Barter
18470
4.0
3.4
-4.5
20.1
Tuktoyaktuk
3223
8.8
4.7
-1.2
26.2
Cape Parry
19340
5.2
3.5
-3.4
21.2
Clinton Point
4483
6.6
3.9
-2.9
24.5
Holman
3203
6.2
4.2
-2.9
24.5
%
N
NE
E
SE
S
SW
W
NW
C
MEAN
AIR TEMPERATURE (°C)

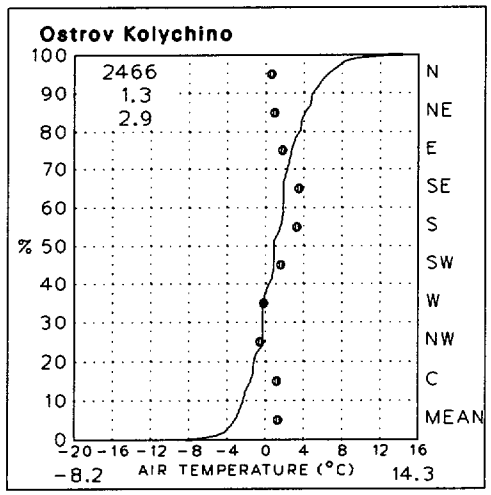


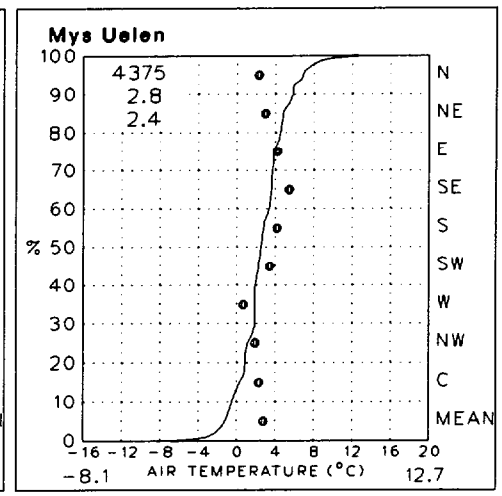
8 Air Temperature Mean and Frequency ≦0°C

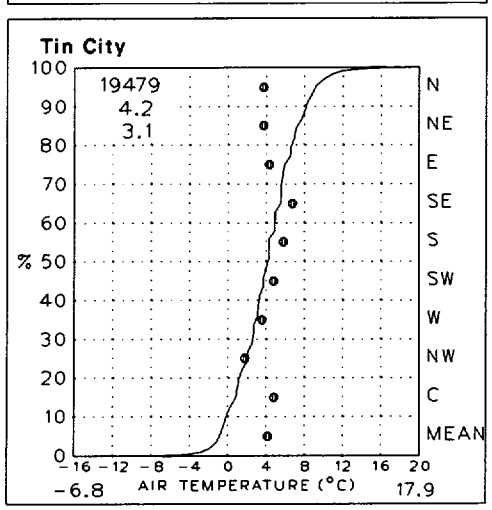
August

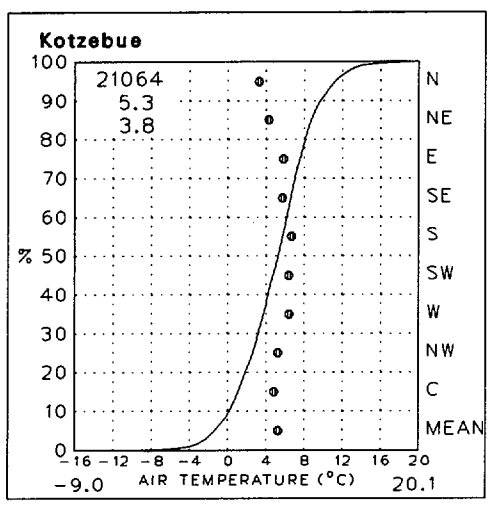

Ostrov Vrangelja
4087
−1.2
3.1
−13.3
7.9

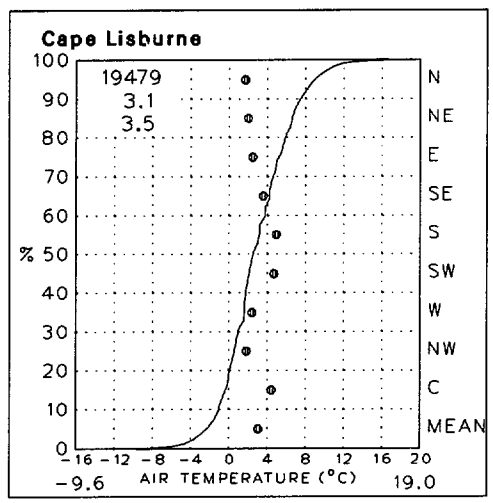

Mys Shmidta
4332
−0.3
3.4
−15.3
15.1

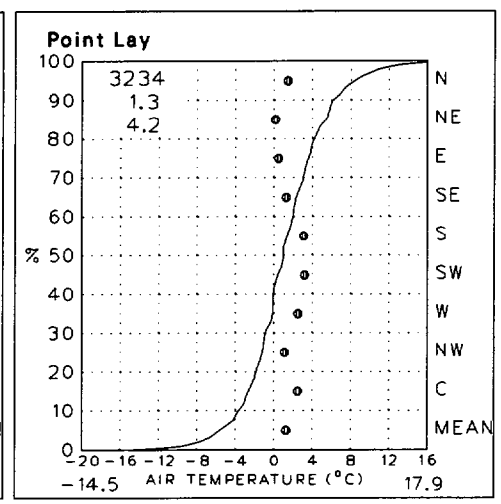

Ostrov Kolychino
2466
1.3
2.9
−8.2
14.3

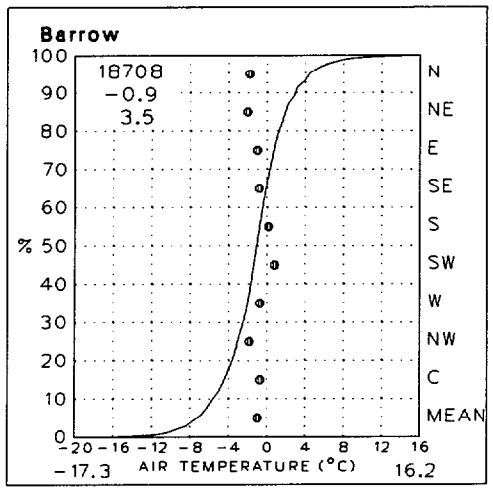

Mys Uelen
4375
2.8
2.4
−8.1
12.7

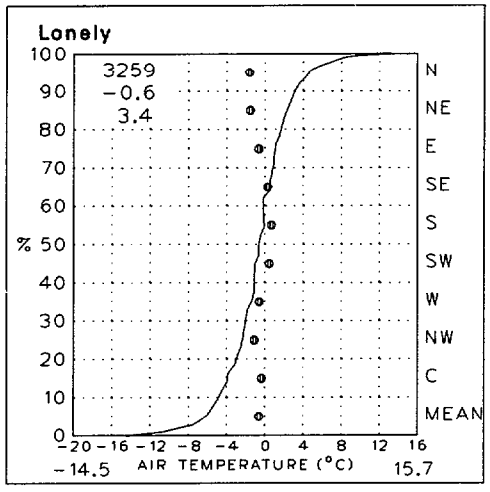

Tin City
19479
4.2
3.1
−6.8
17.9

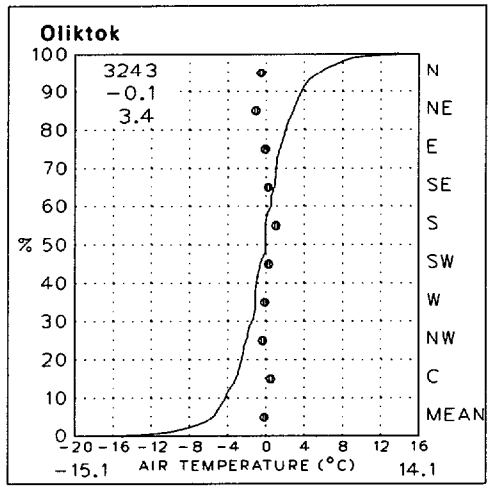

Kotzebue
21064
5.3
3.8
−9.0
20.1

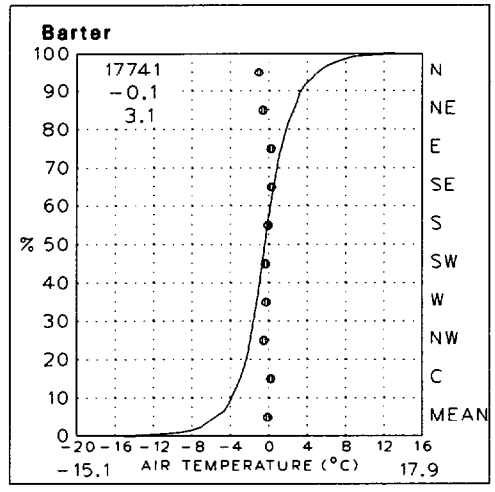

Cape Lisburne
19479
3.1
3.5
−9.6
19.0

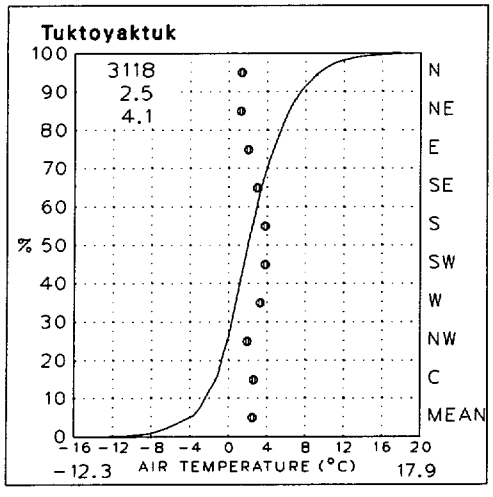

Point Lay
3234
1.3
4.2
−14.5
17.9

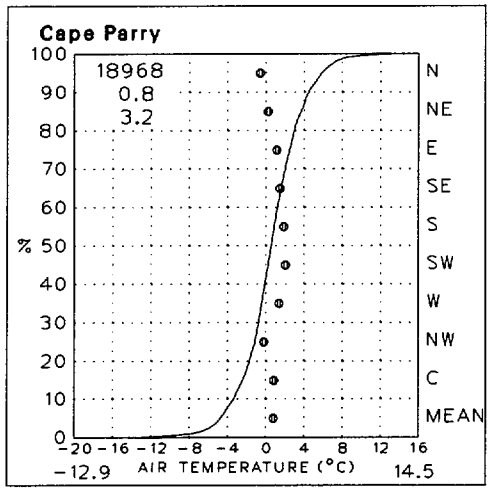

Barrow
18708
−0.9
3.5
−17.3
16.2

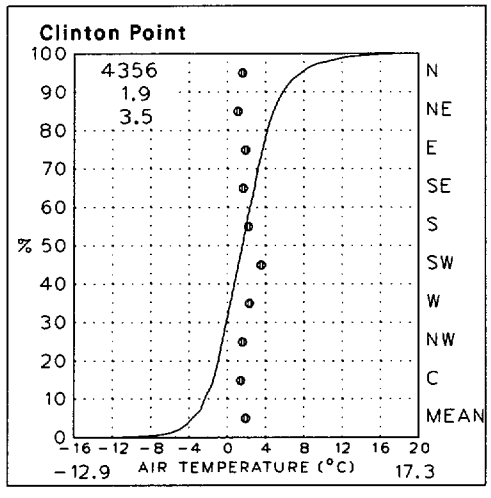

Lonely
3259
−0.6
3.4
−14.5
15.7

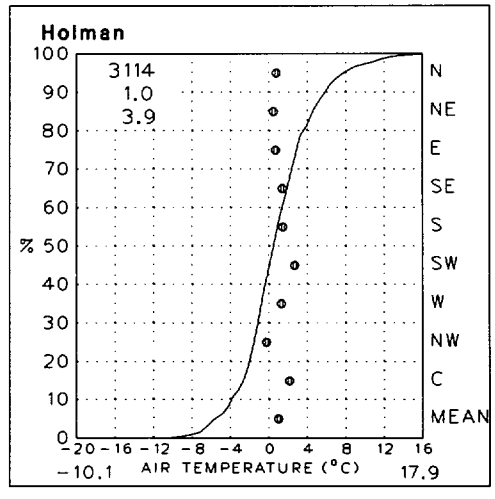

Oliktok
3243
−0.1
3.4
−15.1
14.1

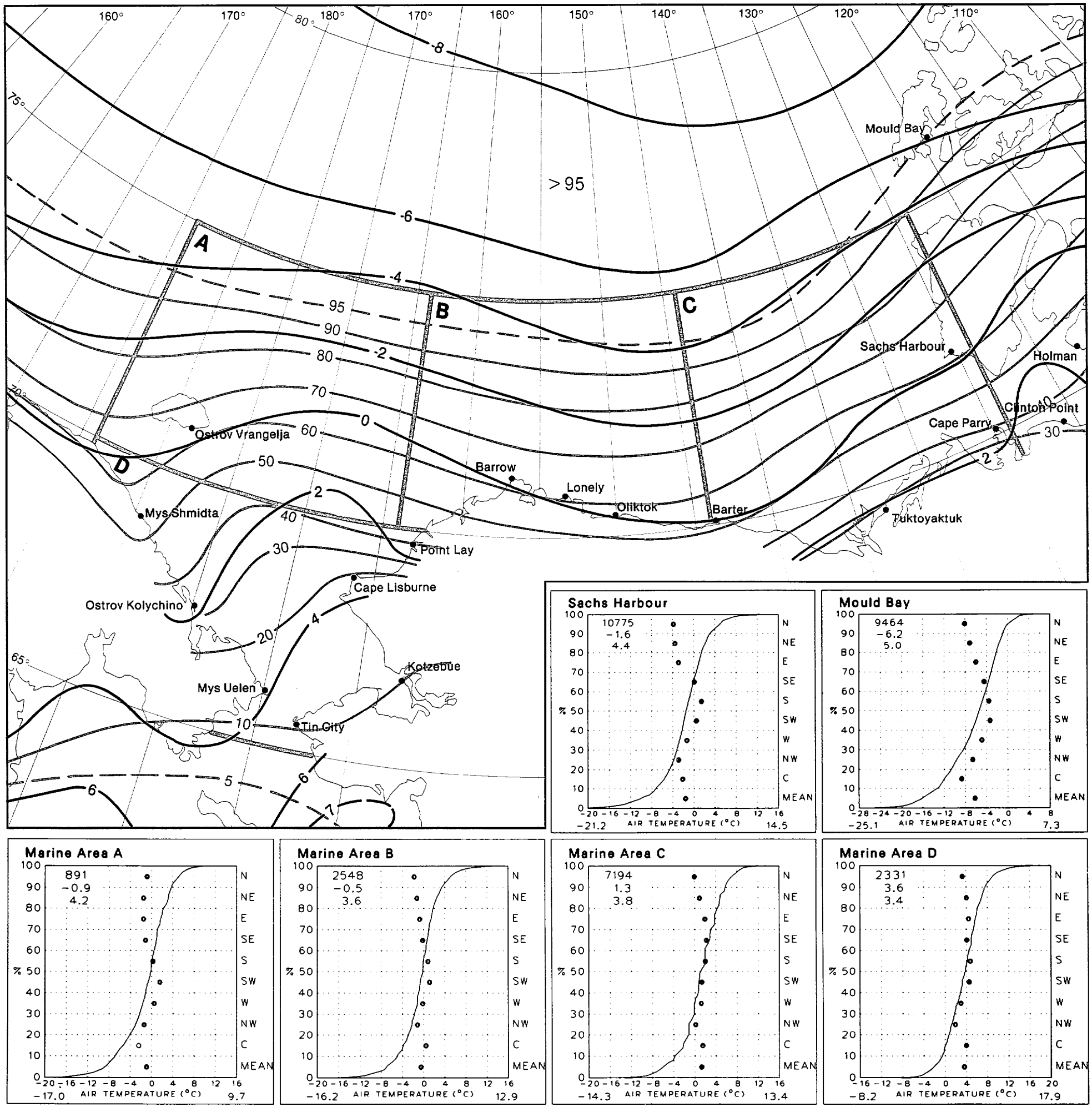

Barter
17741
−0.1
3.1
−15.1
17.9


Tuktoyaktuk
3118
2.5
4.1
−12.3
17.9

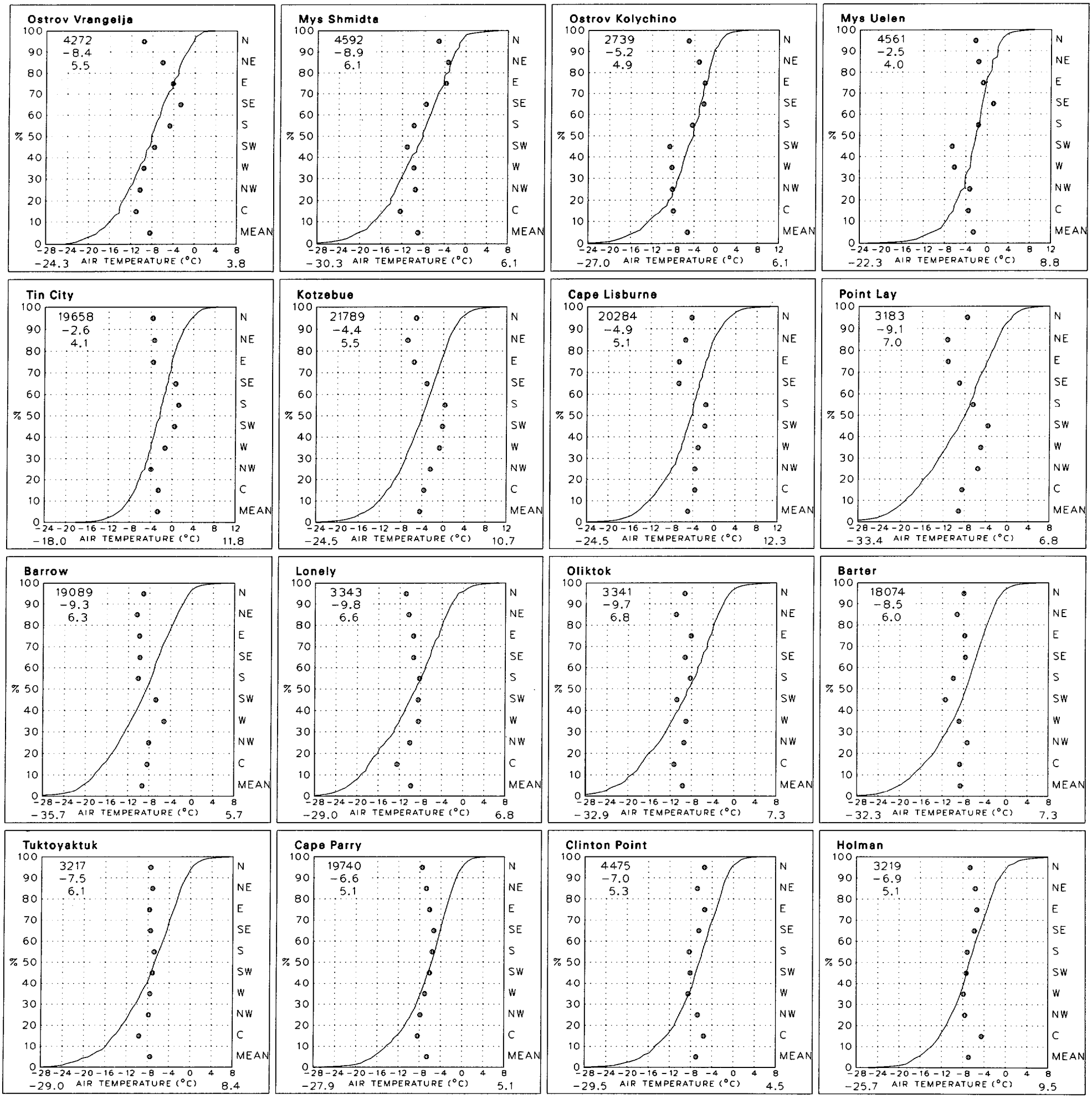

Cape Parry
18968
0.8
3.2
−12.9
14.5

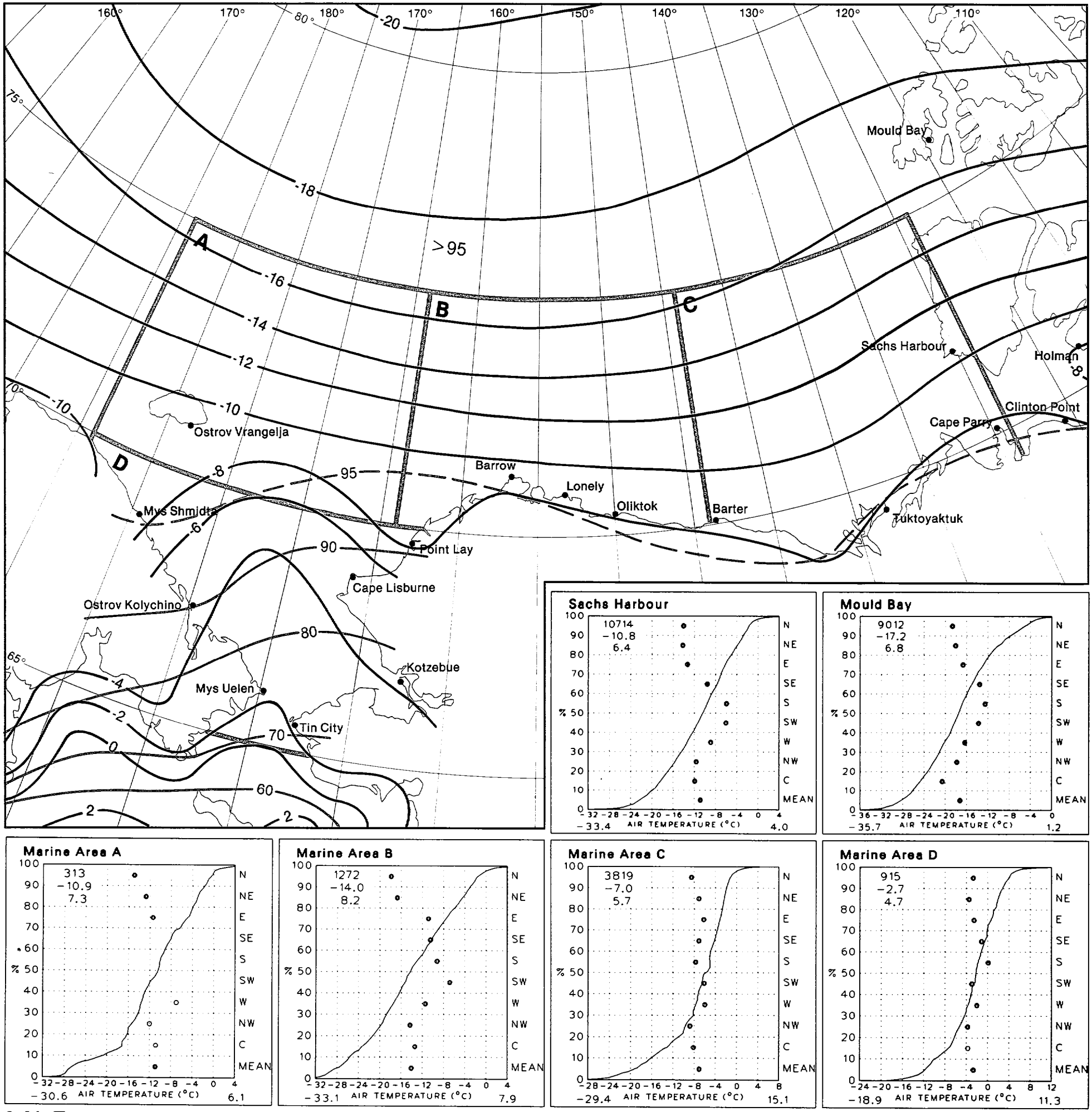

Clinton Point
4356
1.9
3.5
−12.9
17.3


Holman
3114
1.0
3.9
−10.1
17.9



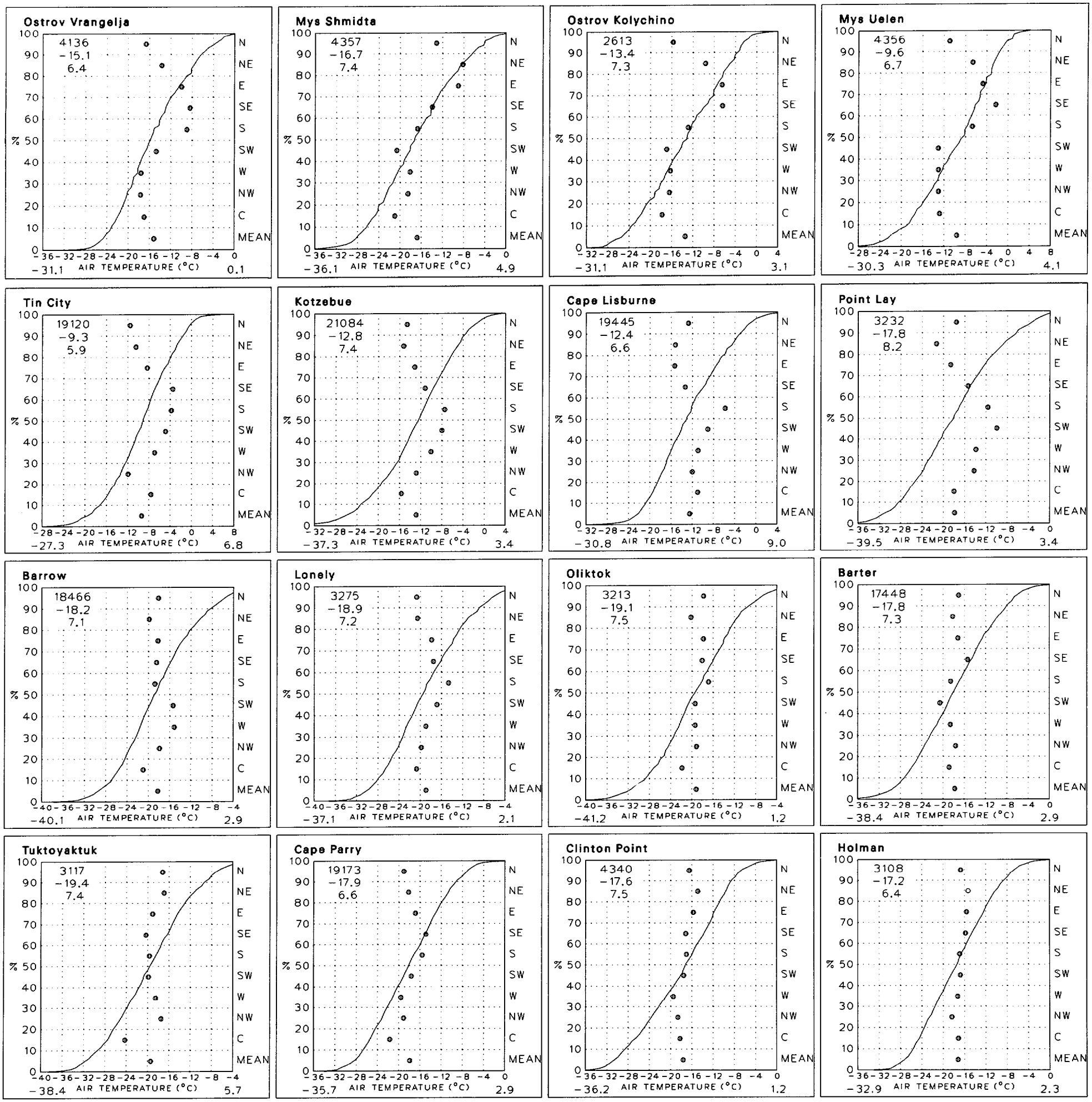
8 Air Temperature Mean and Frequency ≦0°C **September**

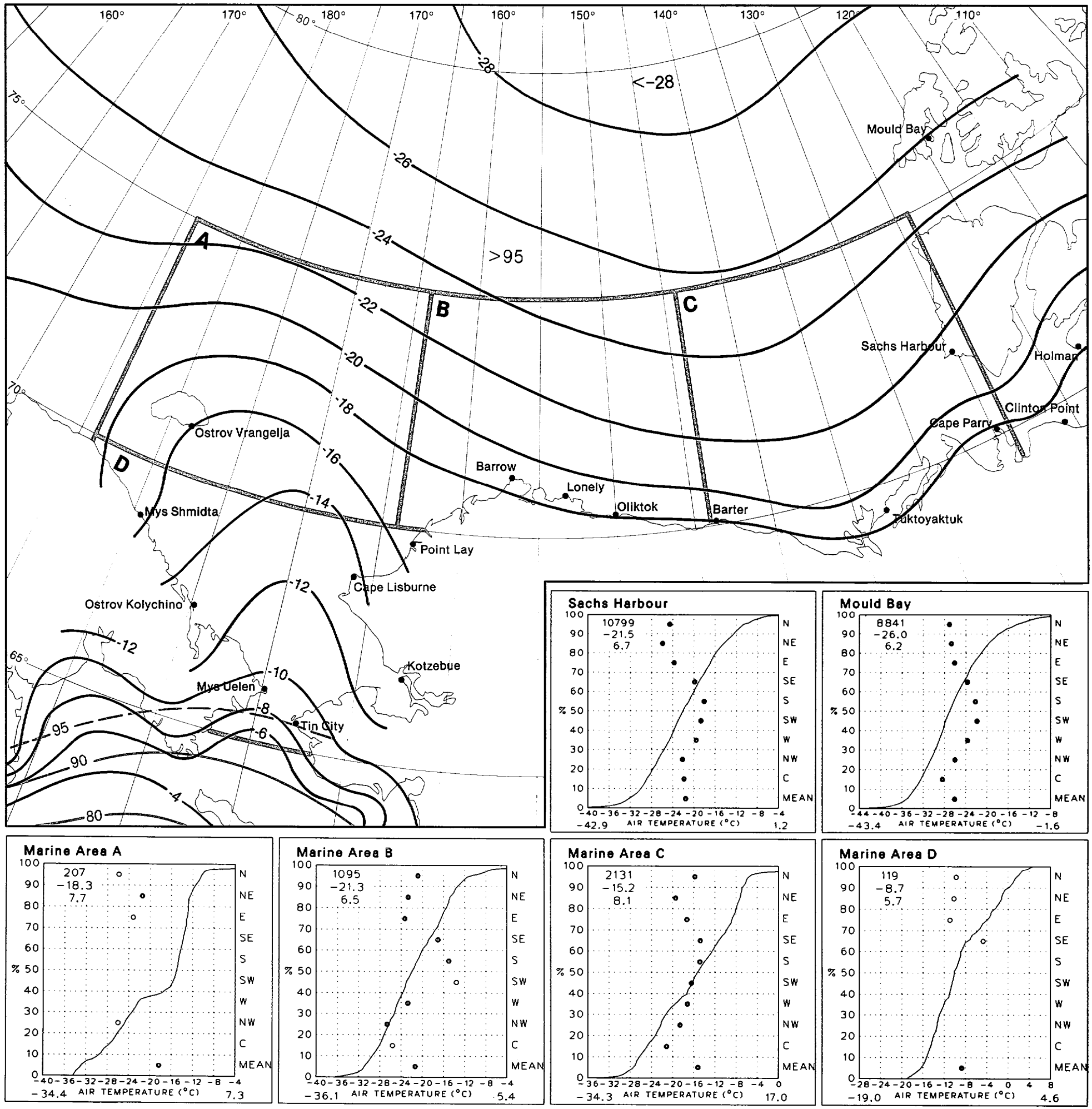

Ostrov Vrangelja
4272
-8.4
5.5
-24.3
3.8
Mys Shmidta
4592
-8.9
6.1
-30.3
6.1
Ostrov Kolychino
2739
-5.2
4.9
-27.0
6.1
Mys Uelen
4561
-2.5
4.0
-22.3
8.8
Tin City
19658
-2.6
4.1
-18.0
11.8
Kotzebue
21789
-4.4
5.5
-24.5
10.7
Cape Lisburne
20284
-4.9
5.1
-24.5
12.3
Point Lay
3183
-9.1
7.0
-33.4
6.8
Barrow
19089
-9.3
6.3
-35.7
5.7
Lonely
3343
-9.8
6.6
-29.0
6.8
Oliktok
3341
-9.7
6.8
-32.9
7.3
Barter
18074
-8.5
6.0
-32.3
7.3
Tuktoyaktuk
3217
-7.5
6.1
-29.0
8.4
Cape Parry
19740
-6.6
5.1
-27.9
5.1
Clinton Point
4475
-7.0
5.3
-29.5
4.5
Holman
3219
-6.9
5.1
-25.7
9.5
%
N
NE
E
SE
S
SW
W
NW
C
MEAN
AIR TEMPERATURE (°C)



8 Air Temperature Mean and Frequency ≦0°C

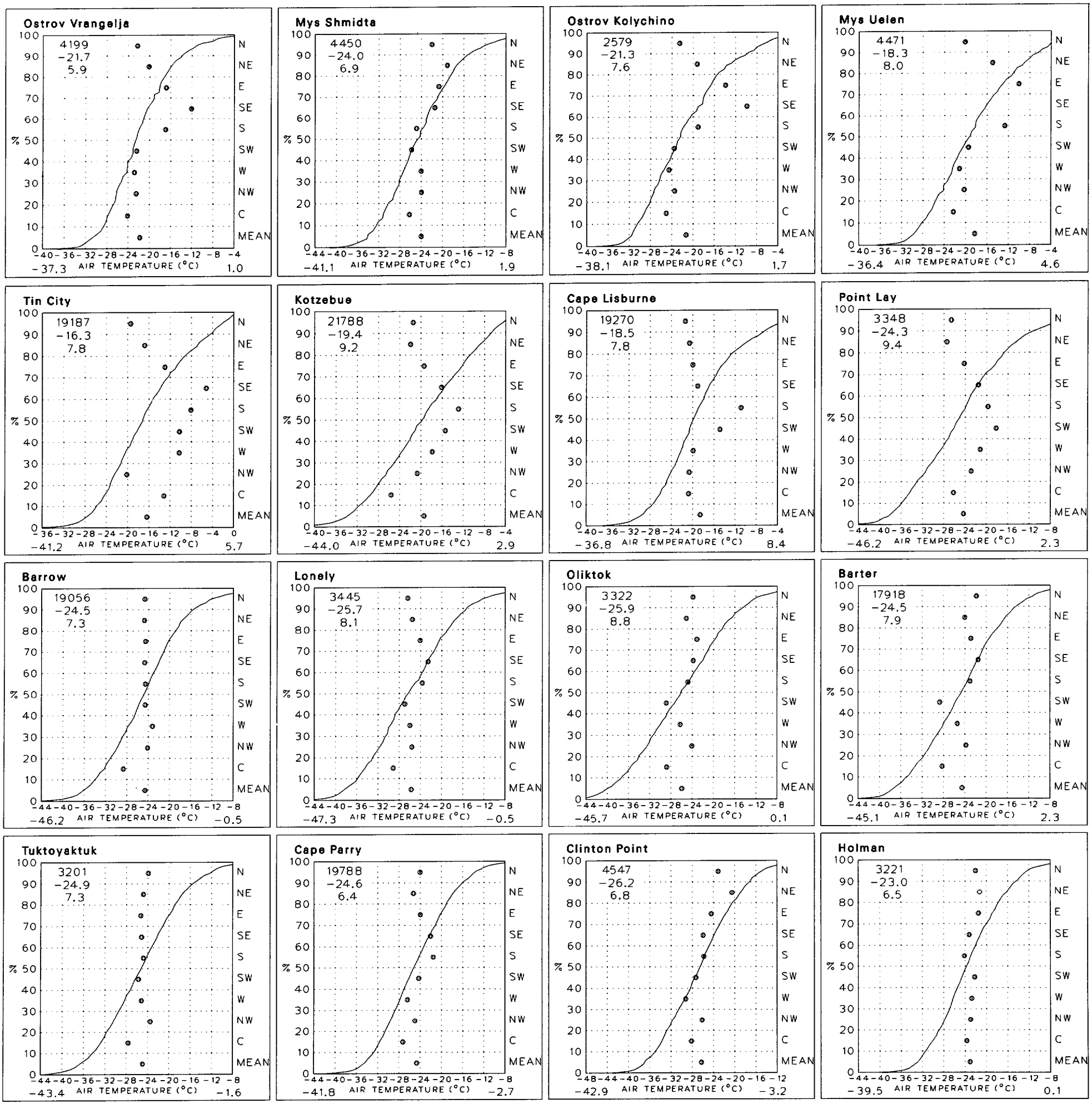
October

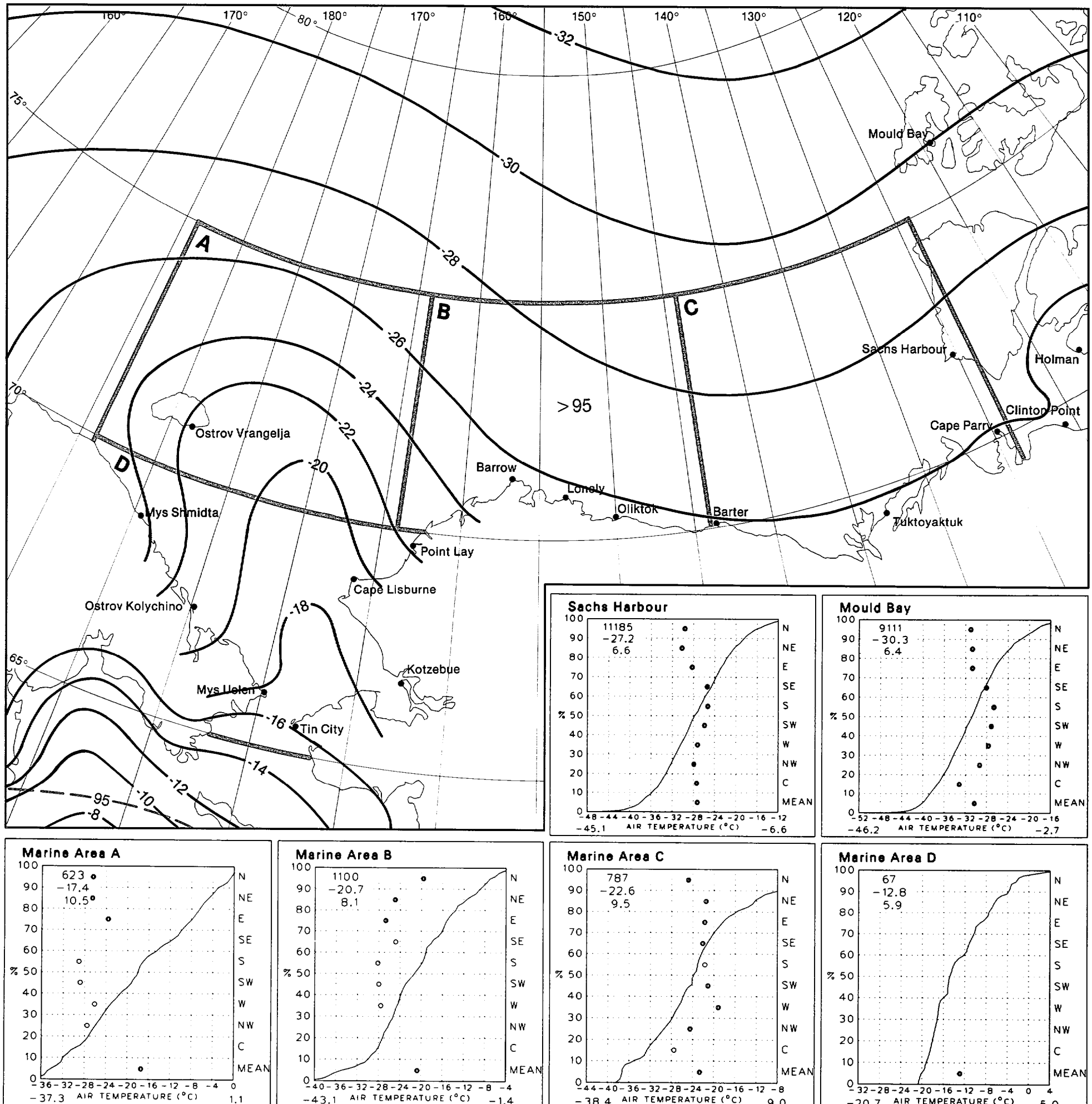

Ostrov Vrangelja
4136
−15.1
6.4
−31.1
0.1
Mys Shmidta
4357
−16.7
7.4
−36.1
4.9
Ostrov Kolychino
2613
−13.4
7.3
−31.1
3.1
Mys Uelen
4356
−9.6
6.7
−30.3
4.1
Tin City
19120
−9.3
5.9
−27.3
6.8
Kotzebue
21084
−12.8
7.4
−37.3
3.4
Cape Lisburne
19445
−12.4
6.6
−30.8
9.0
Point Lay
3232
−17.8
8.2
−39.5
3.4
Barrow
18466
−18.2
7.1
−40.1
2.9
Lonely
3275
−18.9
7.2
−37.1
2.1
Oliktok
3213
−19.1
7.5
−41.2
1.2
Barter
17448
−17.8
7.3
−38.4
2.9
Tuktoyaktuk
3117
−19.4
7.4
−38.4
5.7
Cape Parry
19173
−17.9
6.6
−35.7
2.9
Clinton Point
4340
−17.6
7.5
−36.2
1.2
Holman
3108
−17.2
6.4
−32.9
2.3
%
N
NE
E
SE
S
SW
W
NW
C
MEAN
AIR TEMPERATURE (°C)



8 Air Temperature Mean and Frequency ≦0°C

November


Ostrov Vrangelja
4199
-21.7
5.9
-37.3
1.0
Mys Shmidta
4450
-24.0
6.9
-41.1
1.9
Ostrov Kolychino
2579
-21.3
7.6
-38.1
1.7
Mys Uelen
4471
-18.3
8.0
-36.4
4.6
Tin City
19187
-16.3
7.8
-41.2
5.7
Kotzebue
21788
-19.4
9.2
-44.0
2.9
Cape Lisburne
19270
-18.5
7.8
-36.8
8.4
Point Lay
3348
-24.3
9.4
-46.2
2.3
Barrow
19056
-24.5
7.3
-46.2
-0.5
Lonely
3445
-25.7
8.1
-47.3
-0.5
Oliktok
3322
-25.9
8.8
-45.7
0.1
Barter
17918
-24.5
7.9
-45.1
2.3
Tuktoyaktuk
3201
-24.9
7.3
-43.4
-1.6
Cape Parry
19788
-24.6
6.4
-41.8
-2.7
Clinton Point
4547
-26.2
6.8
-42.9
-3.2
Holman
3221
-23.0
6.5
-39.5
0.1
%
AIR TEMPERATURE (°C)
N
NE
E
SE
S
SW
W
NW
C
MEAN



8 Air Temperature Mean and Frequency ≦0°C

December

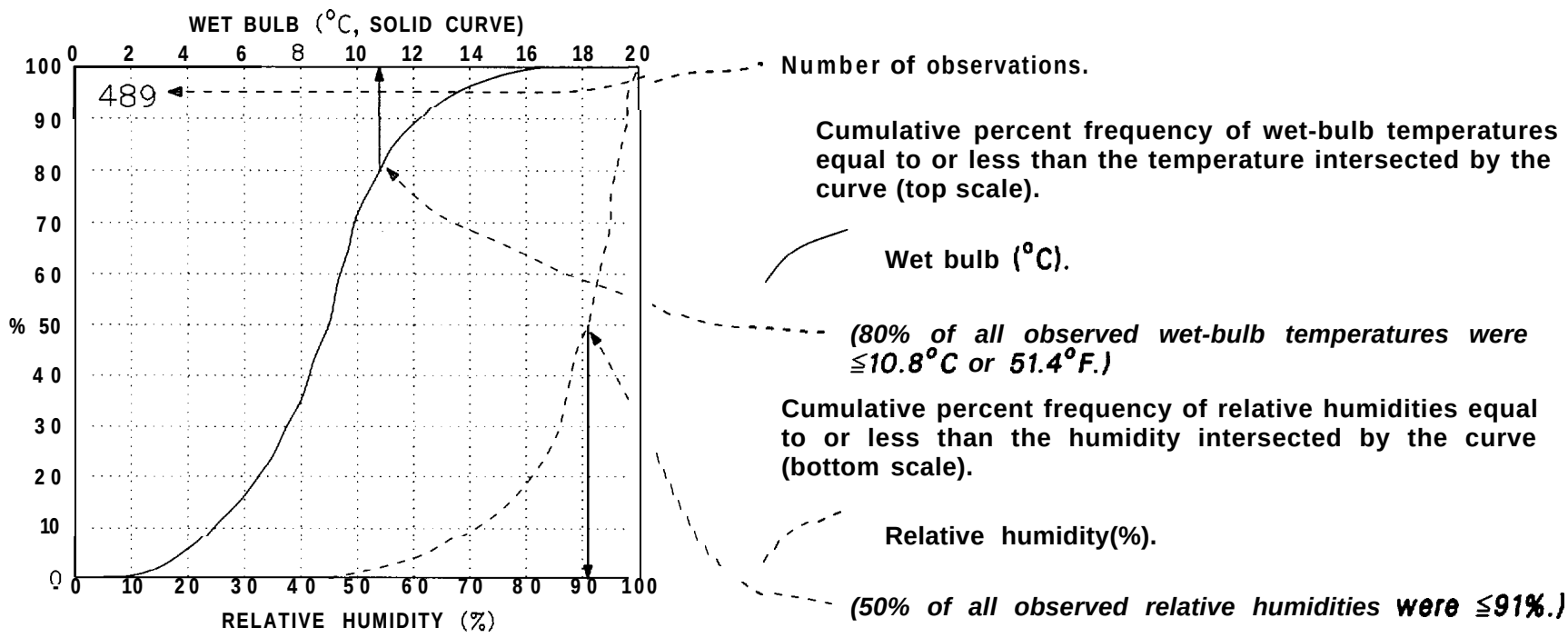
Map 9. Dew point temperature extremes (°C)

BLACK LINE – Maximum (99%) dew point temperature (1% of temperatures were greater than the given value).

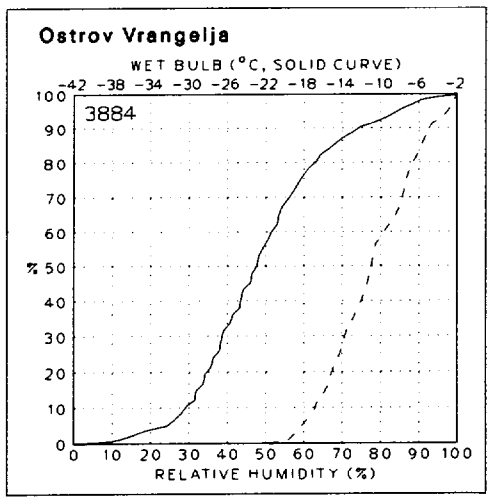
BLUE LINE – Minimum (1%) dew point temperature (1% of temperatures were equal to or less than the given value).

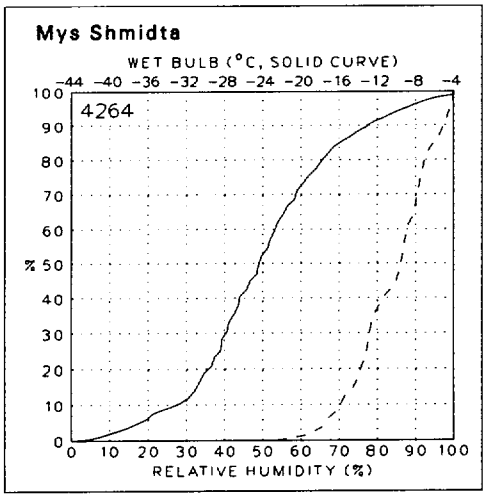
Albers Equal-Area Conic Projection

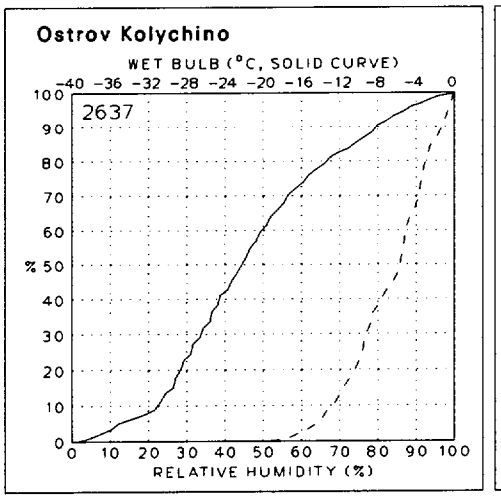
Graphs: Wet bulb/relative humidity

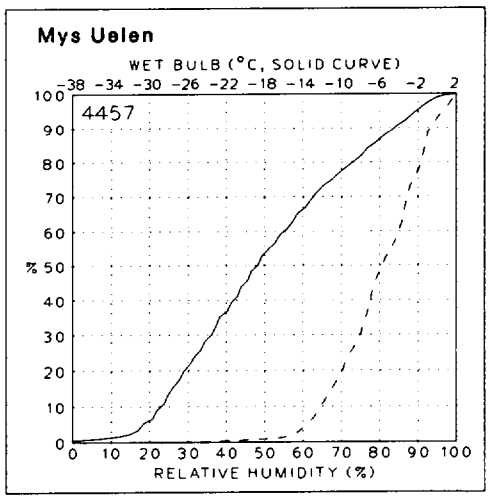


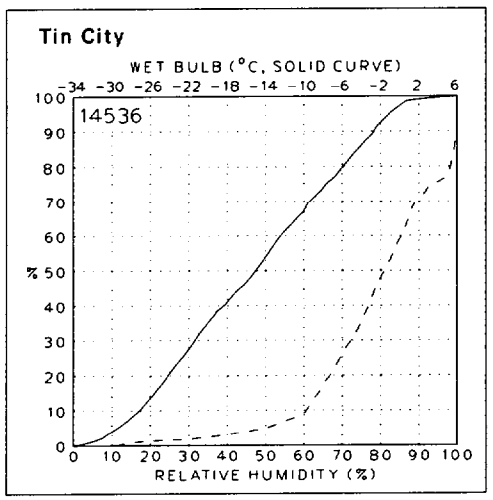
The observation count for the graph reflects those observations containing both dry and wet bulb temperatures; both are required in computing the relative humidity. The percentage of observations of either element greater than a given value can be obtained from the graph by subtracting the cumulative percent frequency of that value from 100%.

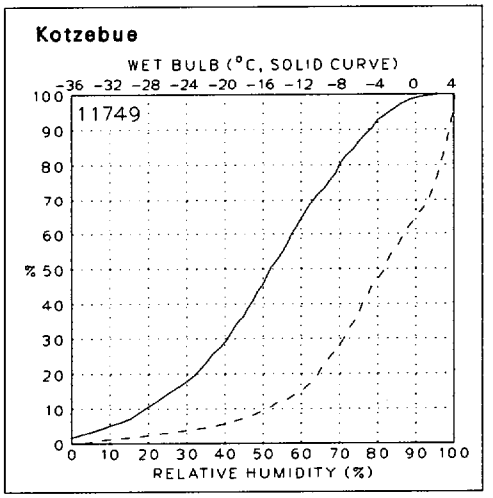

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
3884
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

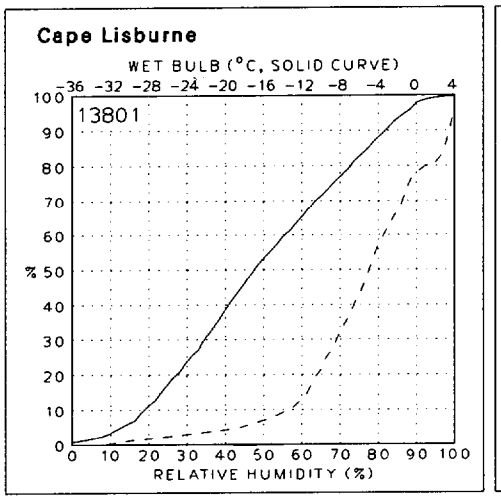

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
4264
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

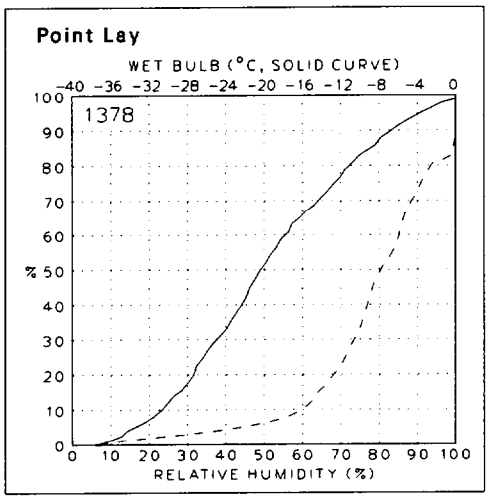

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
2637
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

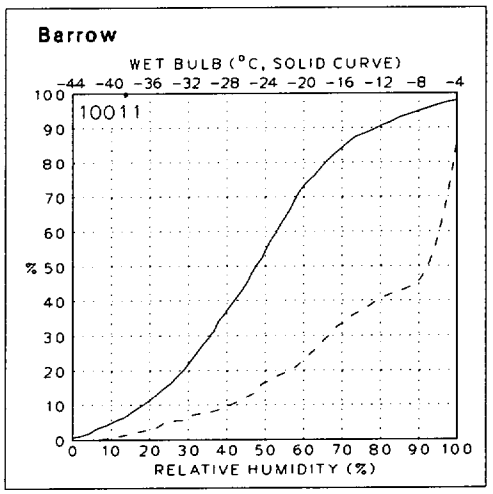

Mys Uelen
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
4457
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

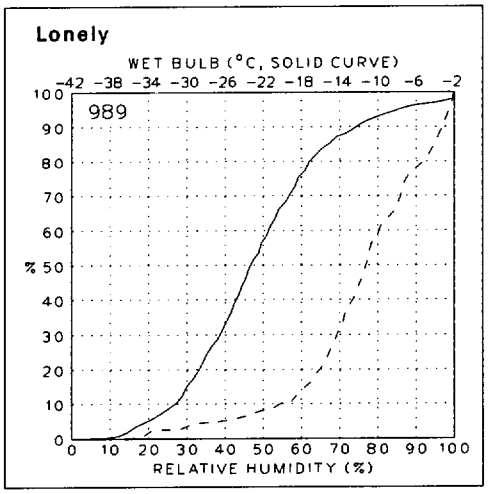

Tin City
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
14536
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

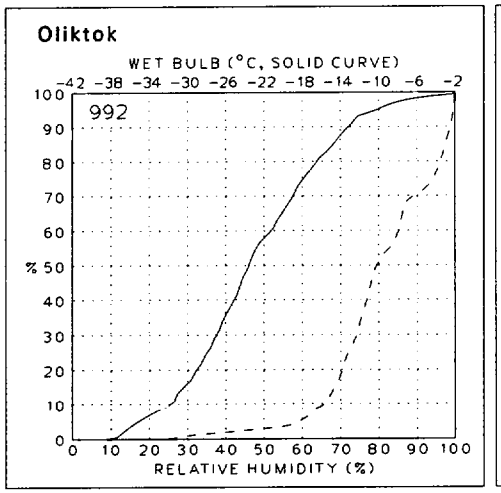

Kotzebue
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
11749
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

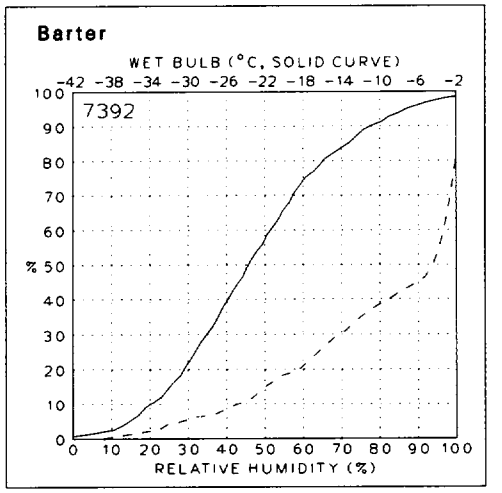

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
13801
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

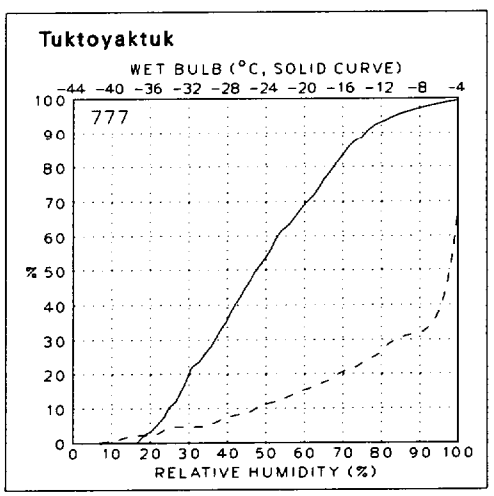

Point Lay
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
1378
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

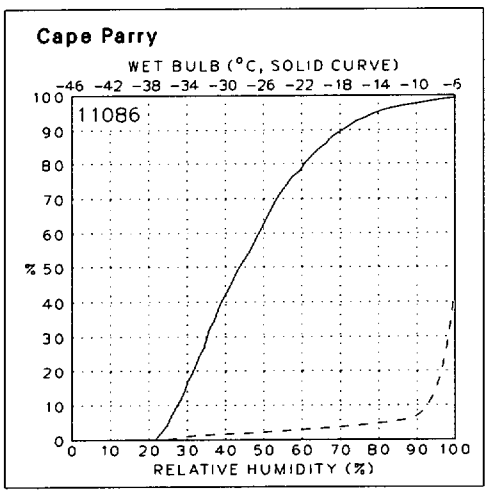

Barrow
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
10011
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

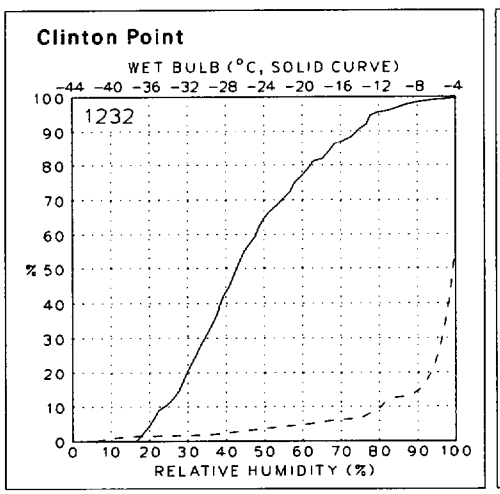

Lonely
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
989
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

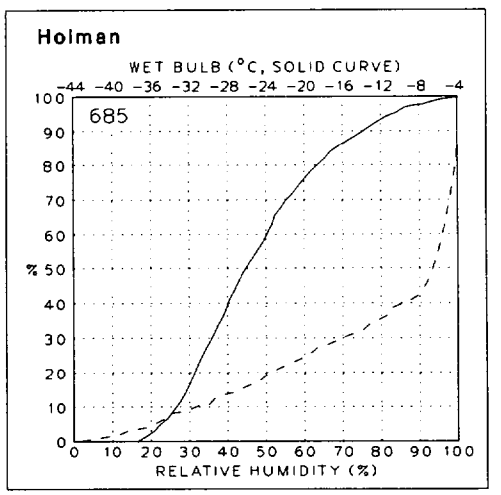

Oliktok
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
992
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

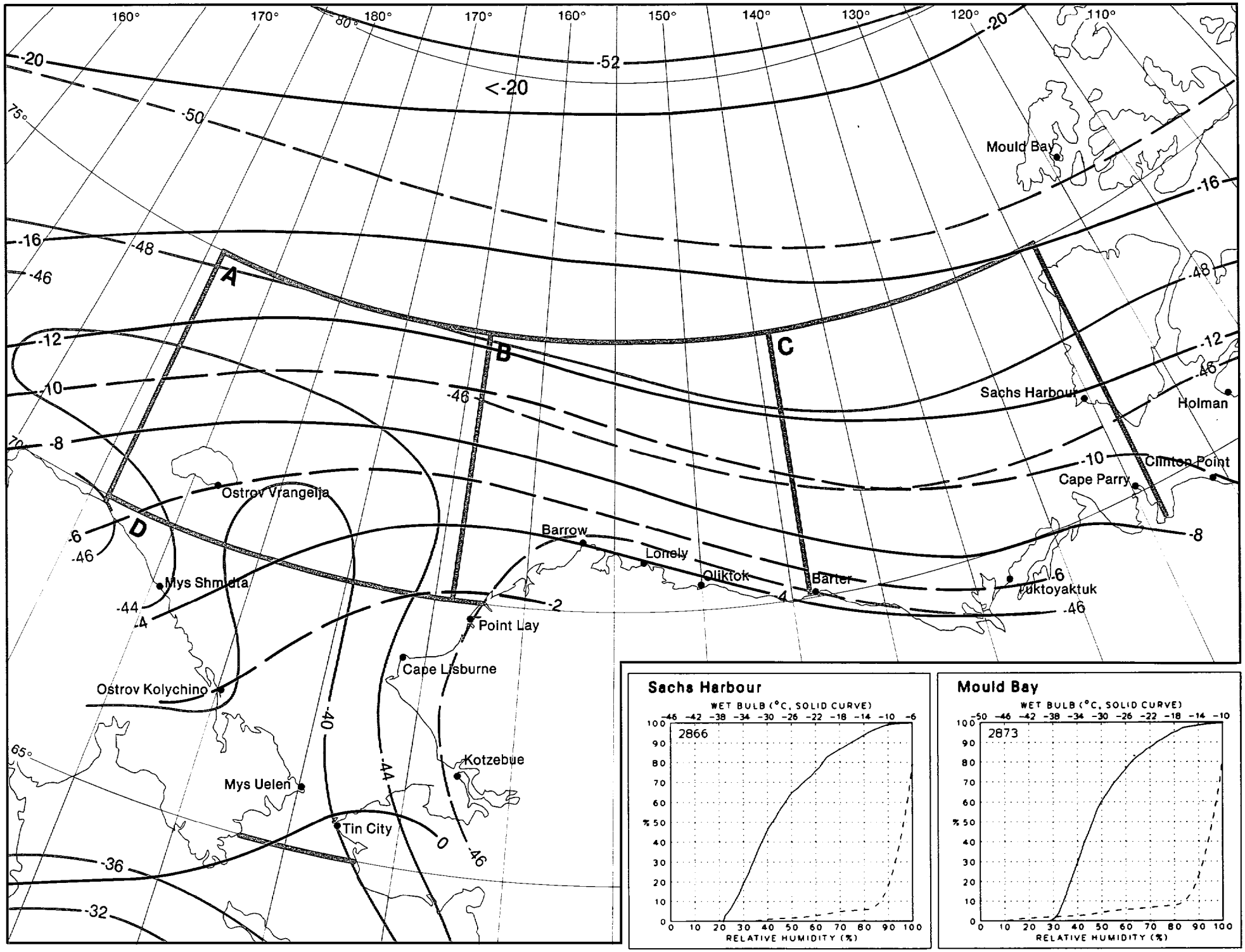

Barter
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
7392
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
777
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Cape Parry
WET BULB (°C, SOLID CURVE)
-46 -42 -38 -34 -30 -26 -22 -18 -14 -10 -6
11086
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Clinton Point
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1232
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Holman
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
685
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

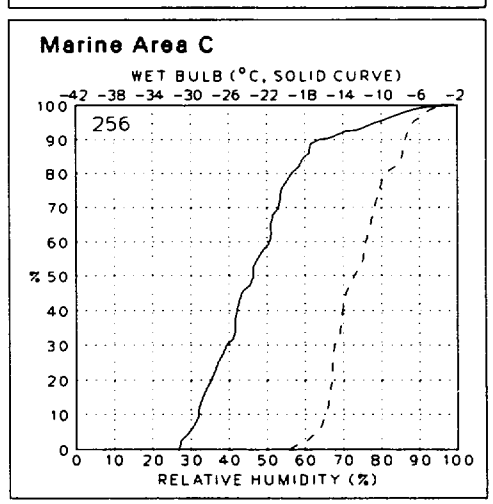


Marine Area A

No Data Available

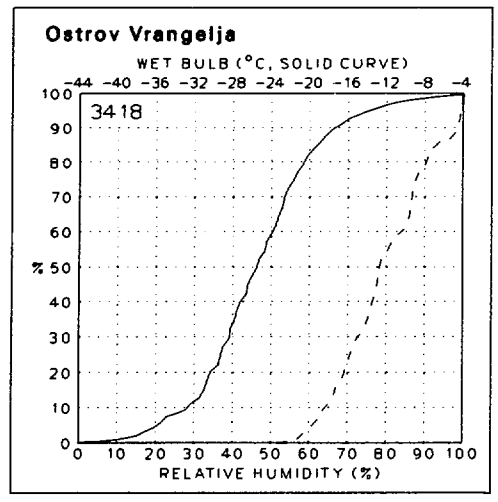
Marine Area B

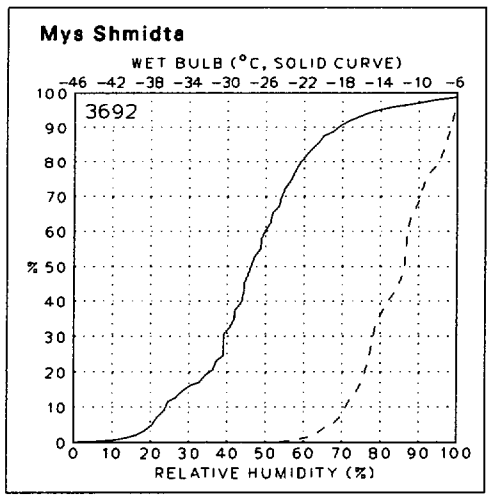
No Data Available

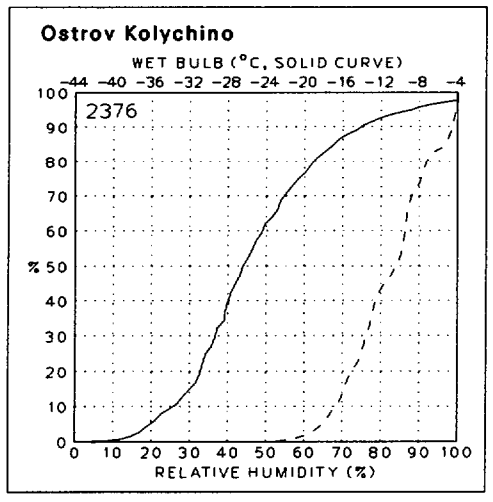


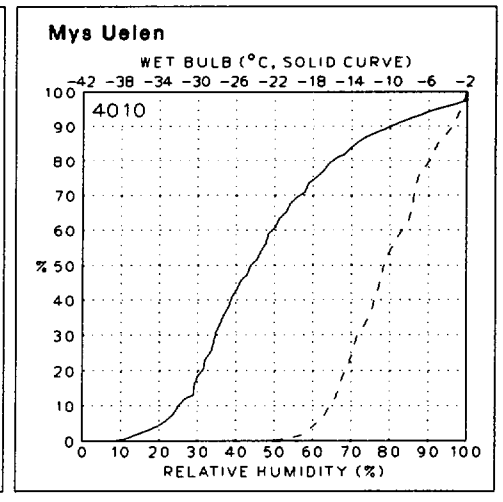
Marine Area D

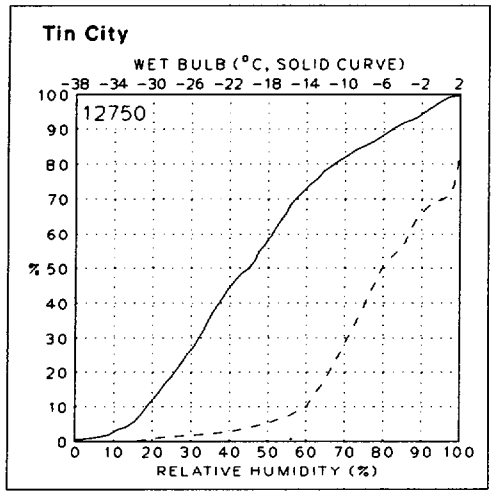
No Data Available

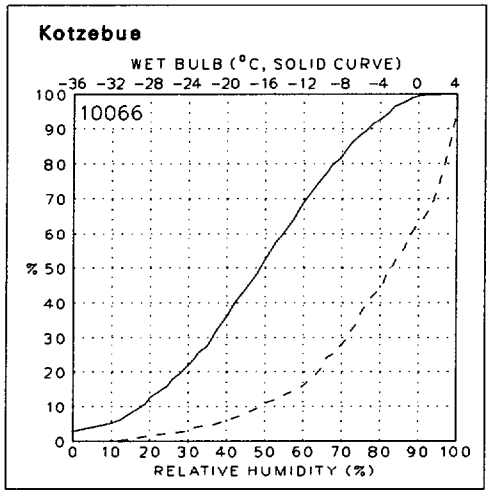

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
3418
% 50
RELATIVE HUMIDITY (%)

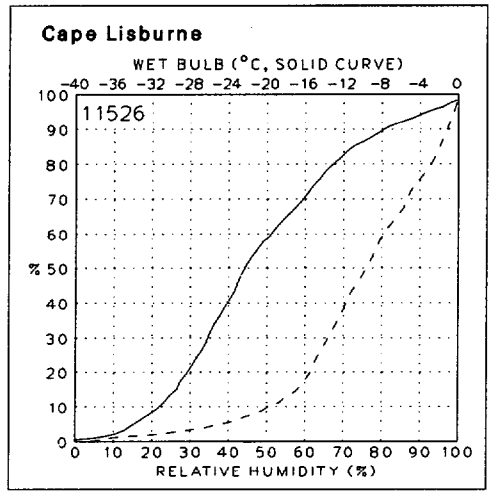

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-46 -42 -38 -34 -30 -26 -22 -18 -14 -10 -6
3692
% 50
RELATIVE HUMIDITY (%)

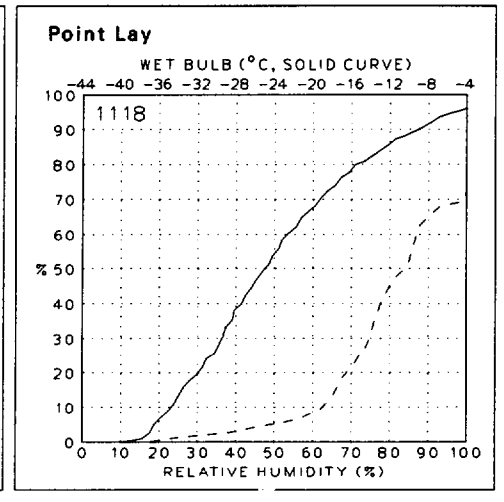

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
2376
% 50
RELATIVE HUMIDITY (%)

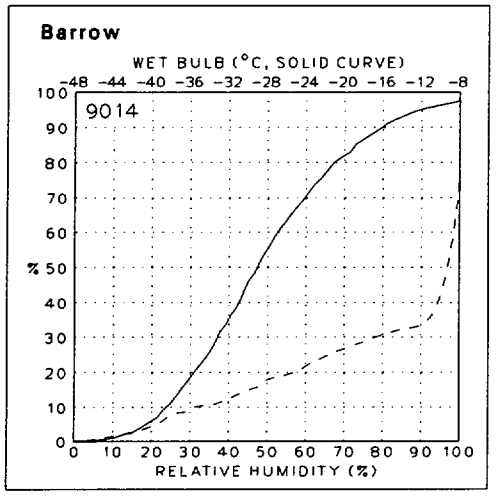

Mys Uelen
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
4010
% 50
RELATIVE HUMIDITY (%)

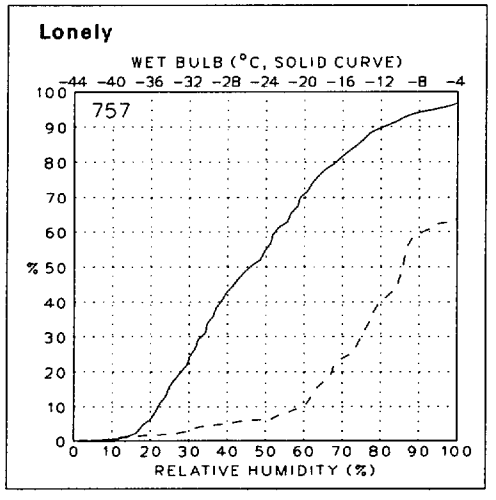

Tin City
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
12750
% 50
RELATIVE HUMIDITY (%)

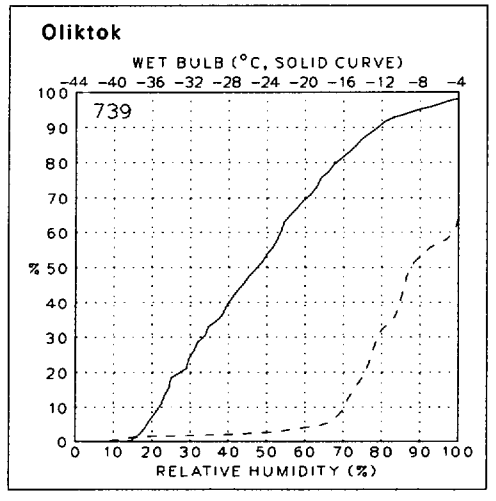

Kotzebue
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
10066
% 50
RELATIVE HUMIDITY (%)

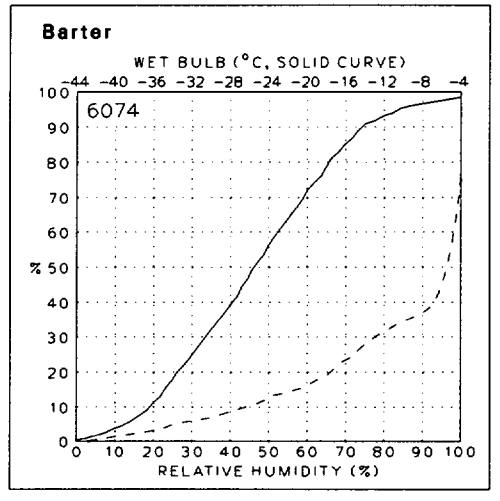

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
11526
% 50
RELATIVE HUMIDITY (%)

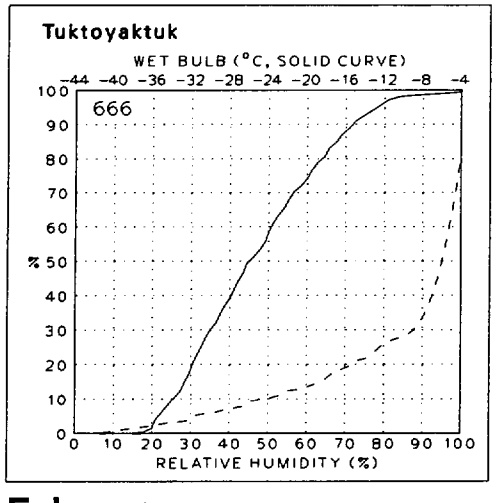

Point Lay
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1118
% 50
RELATIVE HUMIDITY (%)

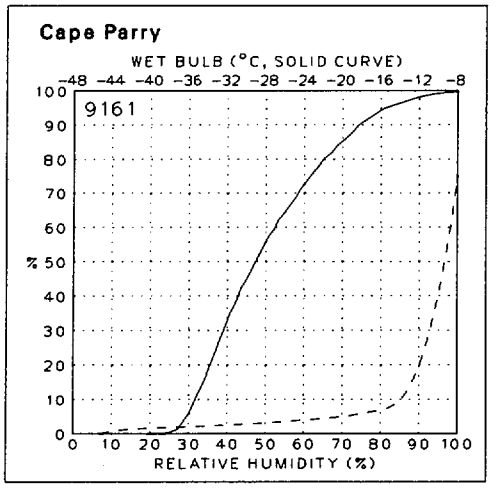

Barrow
WET BULB (°C, SOLID CURVE)
-48 -44 -40 -36 -32 -28 -24 -20 -16 -12 -8
9014
% 50
RELATIVE HUMIDITY (%)

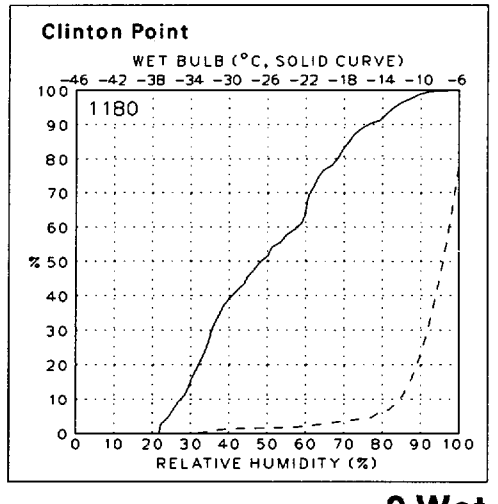

Lonely
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
757
% 50
RELATIVE HUMIDITY (%)

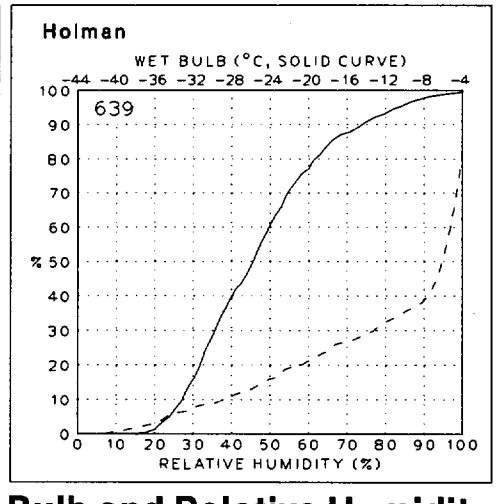

Oliktok
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
739
% 50
RELATIVE HUMIDITY (%)

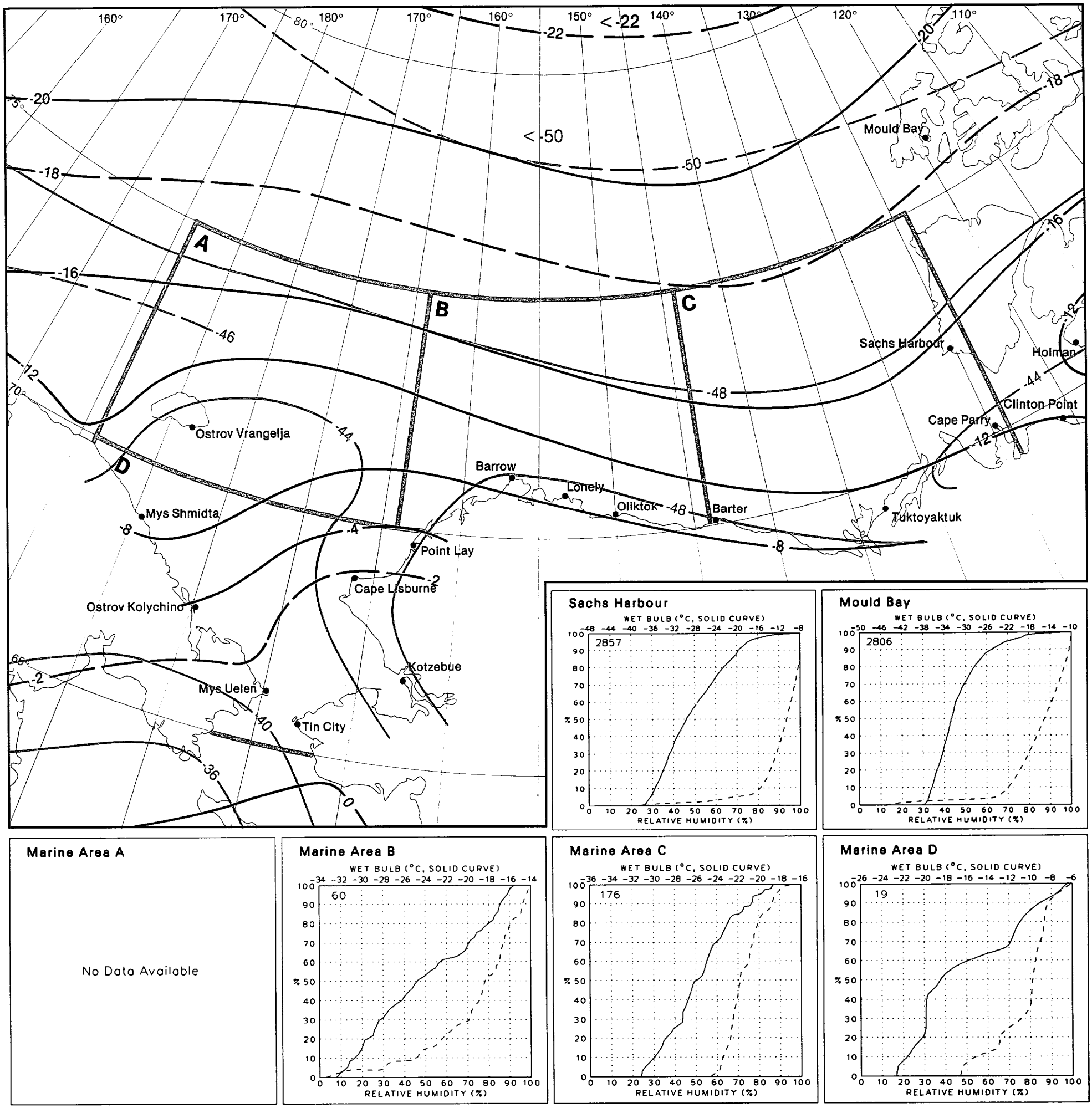

Barter
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
6074
% 50
RELATIVE HUMIDITY (%)

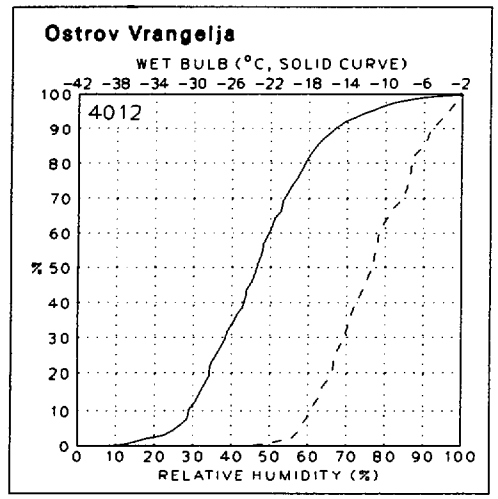

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
666
% 50
RELATIVE HUMIDITY (%)

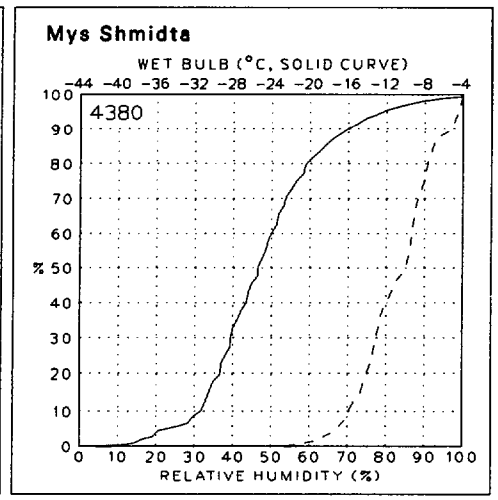

Cape Parry
WET BULB (°C, SOLID CURVE)
-48 -44 -40 -36 -32 -28 -24 -20 -16 -12 -8
9161
% 50
RELATIVE HUMIDITY (%)

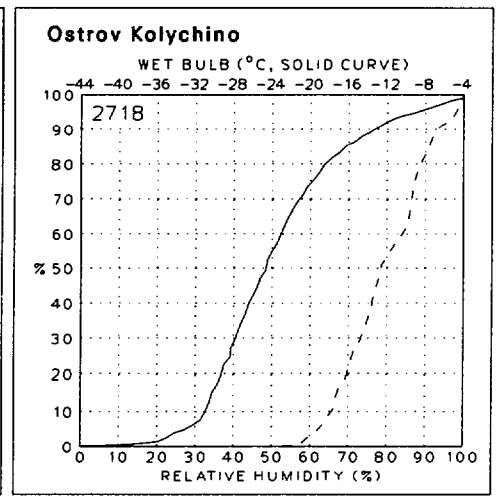

Clinton Point
WET BULB (°C, SOLID CURVE)
-46 -42 -38 -34 -30 -26 -22 -18 -14 -10 -6
1180
% 50
RELATIVE HUMIDITY (%)

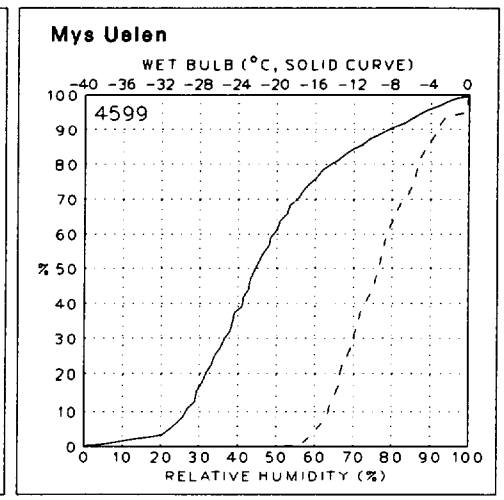

Holman
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
639
% 50
RELATIVE HUMIDITY (%)

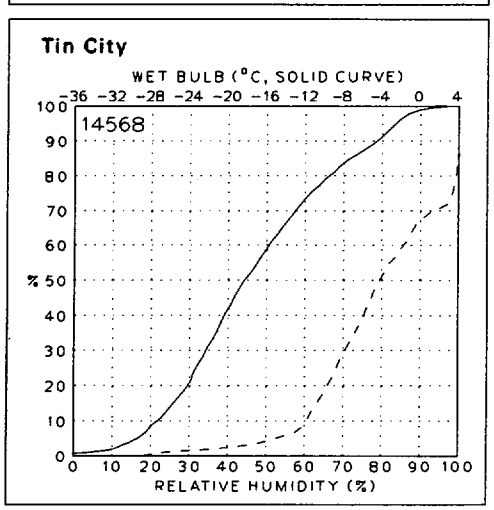

A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
WET BULB (°C, SOLID CURVE)
2857
RELATIVE HUMIDITY (%)
Mould Bay
WET BULB (°C, SOLID CURVE)
2806
RELATIVE HUMIDITY (%)
Marine Area A
No Data Available
Marine Area B
WET BULB (°C, SOLID CURVE)
60
RELATIVE HUMIDITY (%)
Marine Area C
WET BULB (°C, SOLID CURVE)
176
RELATIVE HUMIDITY (%)
Marine Area D
WET BULB (°C, SOLID CURVE)
19
RELATIVE HUMIDITY (%)

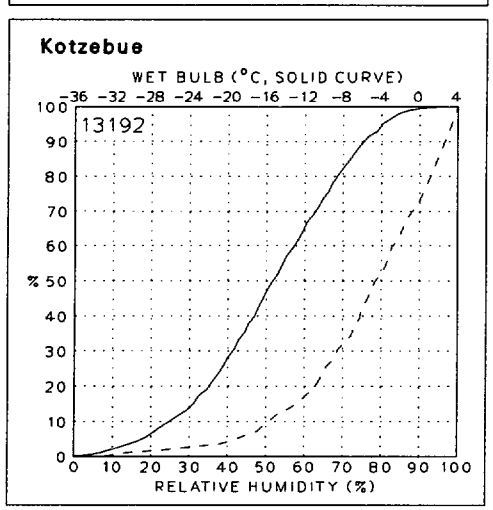

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
4012
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

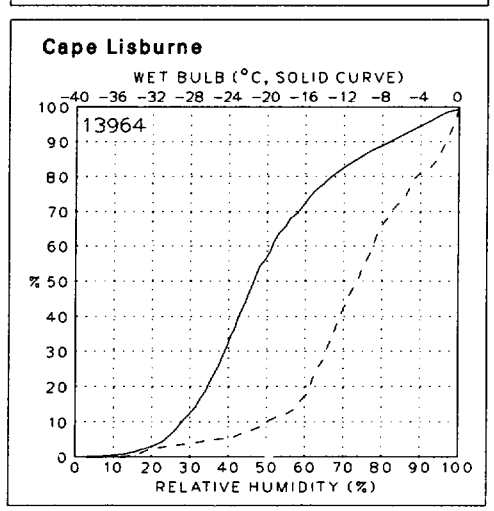

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
4380
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

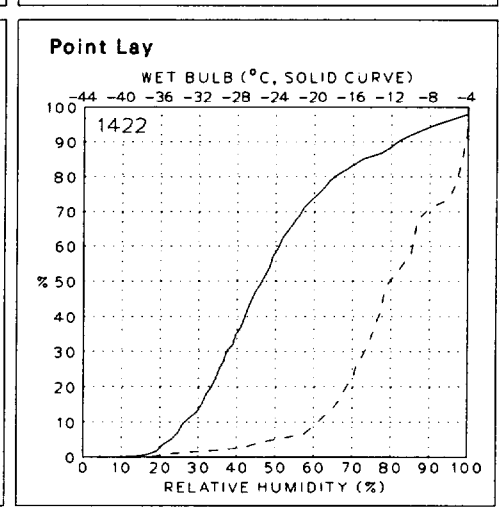

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
2718
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

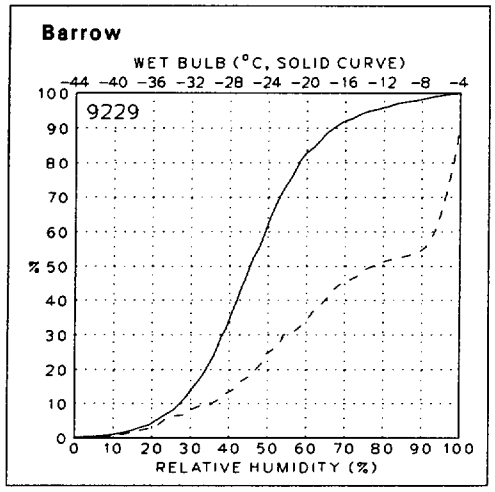

Mys Uelen
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
4599
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

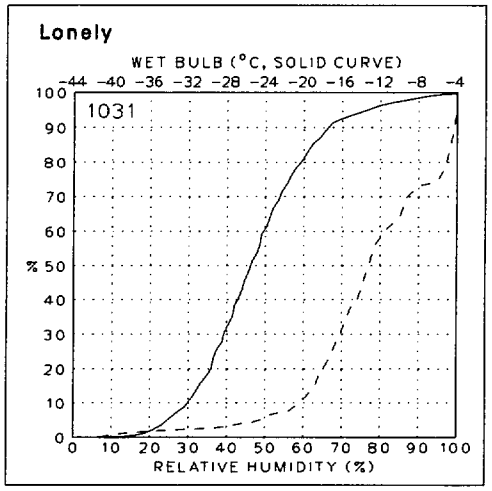

Tin City
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
14568
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

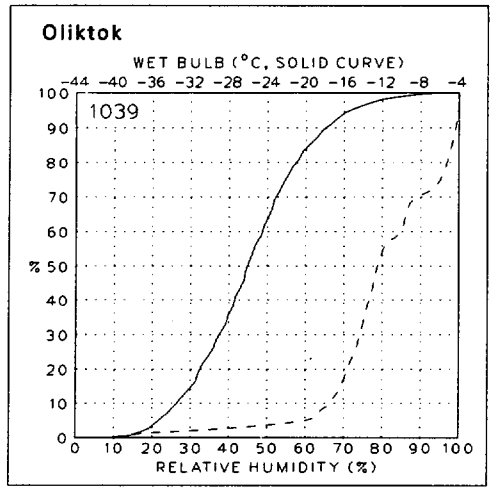

Kotzebue
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
13192
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

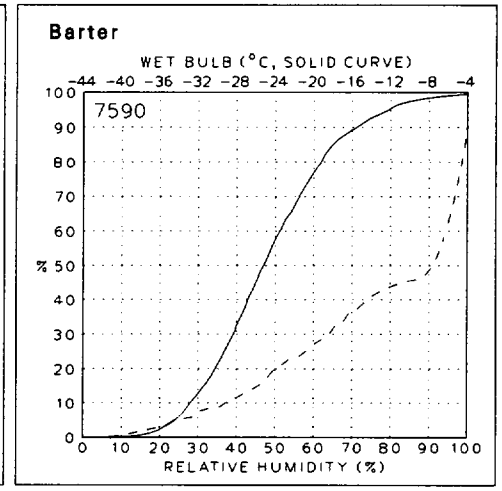

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
13964
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

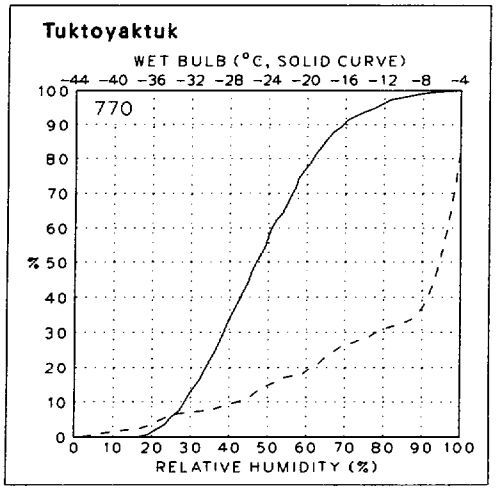

Point Lay
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1422
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

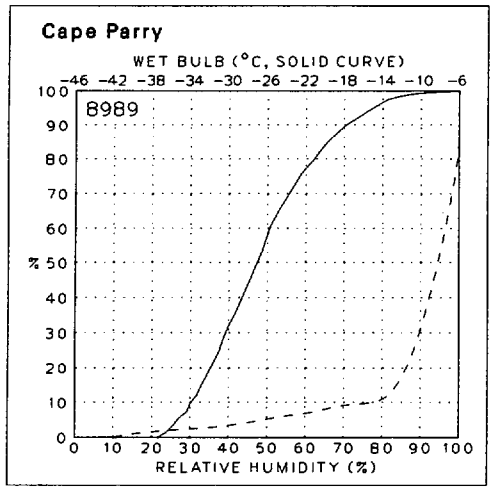

Barrow
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
9229
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

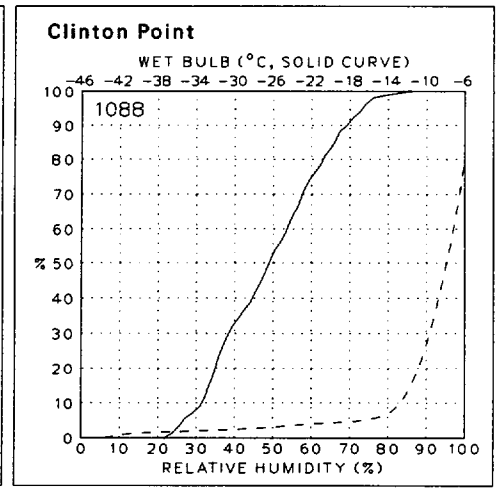

Lonely
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1031
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

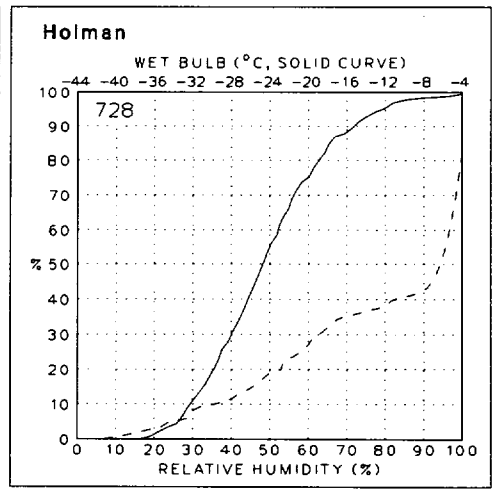

Oliktok
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1039
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

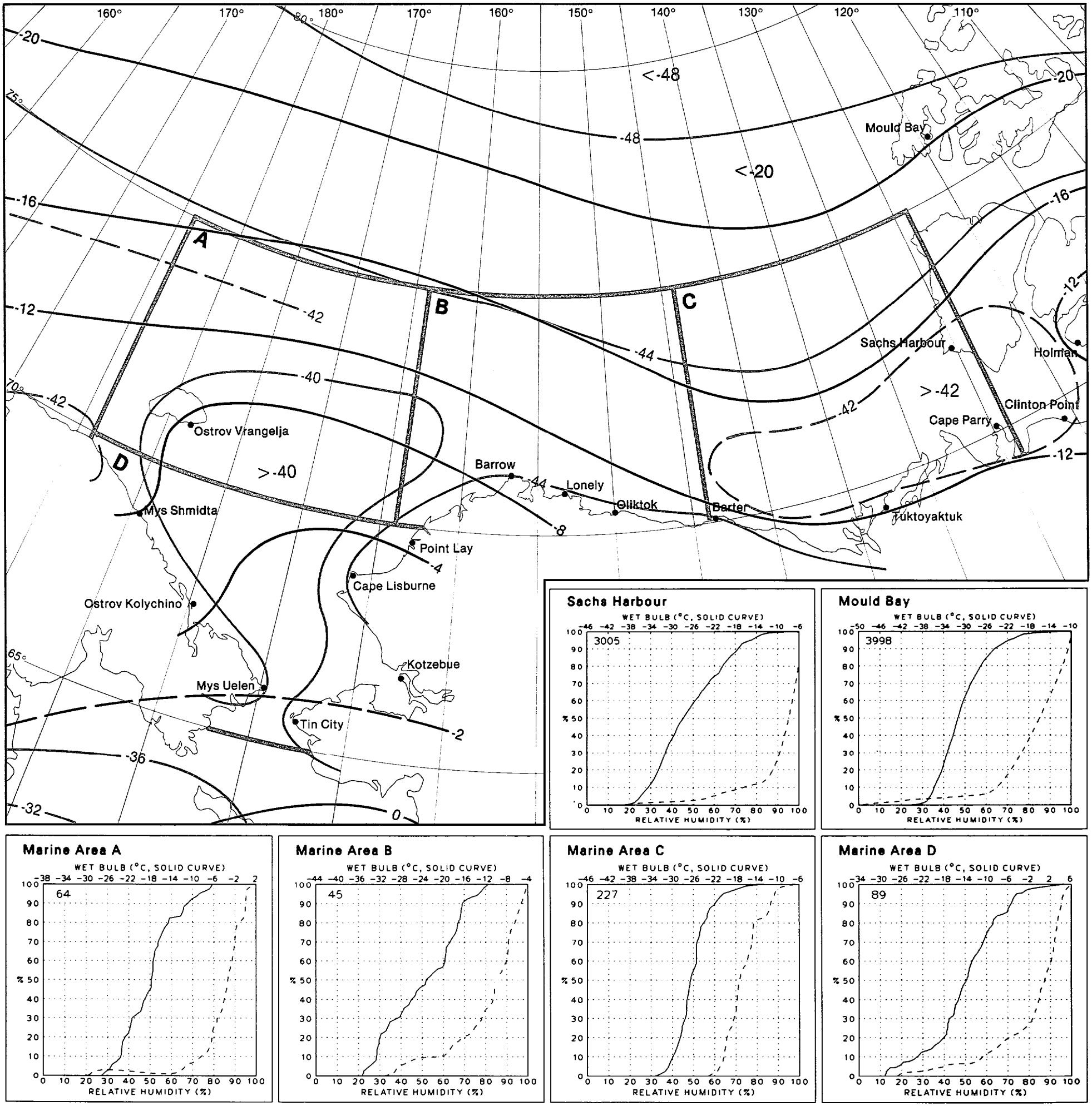

Barter
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
7590
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
770
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

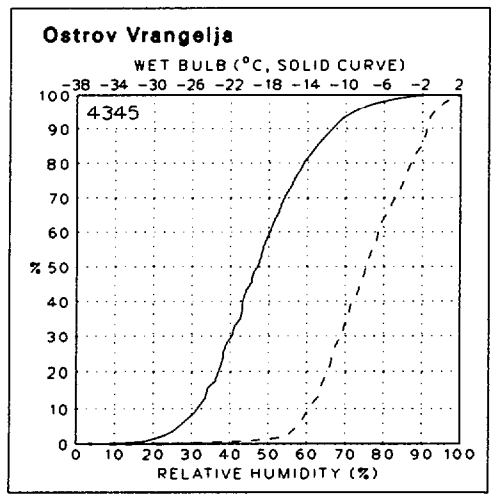

Cape Parry
WET BULB (°C, SOLID CURVE)
-46 -42 -38 -34 -30 -26 -22 -18 -14 -10 -6
8989
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

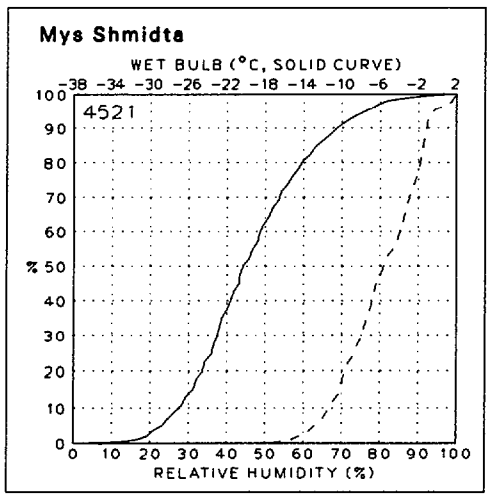

Clinton Point
WET BULB (°C, SOLID CURVE)
-46 -42 -38 -34 -30 -26 -22 -18 -14 -10 -6
1088
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

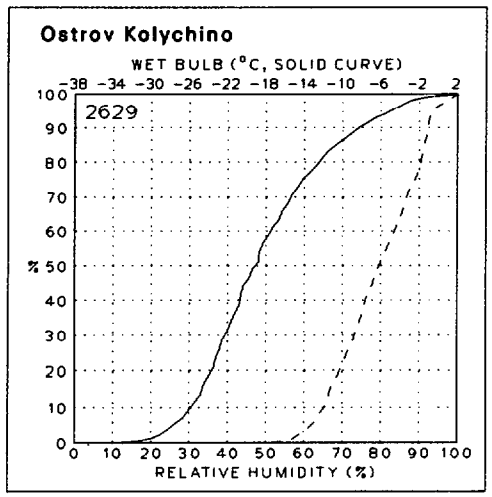

Holman
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
728
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

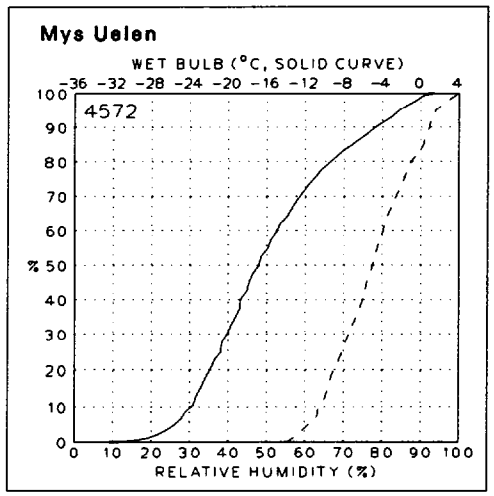


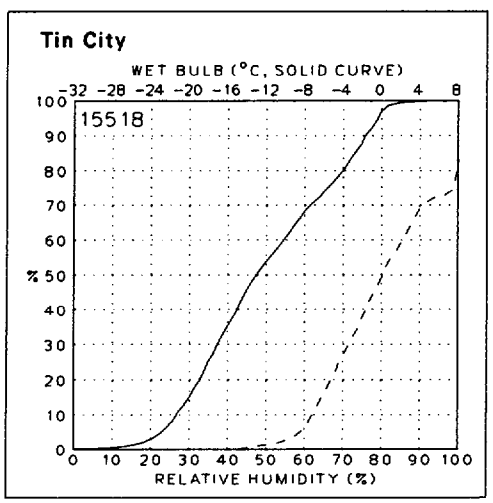
160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
-20
<-48
-48
<-20
-20
Mould Bay
-16
-16
A
B
C
-12
-12
-42
-44
Sachs Harbour
Holman
-40
>-42
-42
-42
Clinton Point
Cape Parry
Ostrov Vrangelja
D
>-40
Barrow
-44
Lonely
Oliktok
Barter
Tuktoyaktuk
-12
Mys Shmidta
-8
Point Lay
-4
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
-2
-36
-32
0
Sachs Harbour
WET BULB (°C, SOLID CURVE)
3005
RELATIVE HUMIDITY (%)
Mould Bay
WET BULB (°C, SOLID CURVE)
3998
RELATIVE HUMIDITY (%)
Marine Area A
WET BULB (°C, SOLID CURVE)
64
RELATIVE HUMIDITY (%)
Marine Area B
WET BULB (°C, SOLID CURVE)
45
RELATIVE HUMIDITY (%)
Marine Area C
WET BULB (°C, SOLID CURVE)
227
RELATIVE HUMIDITY (%)
Marine Area D
WET BULB (°C, SOLID CURVE)
89
RELATIVE HUMIDITY (%)

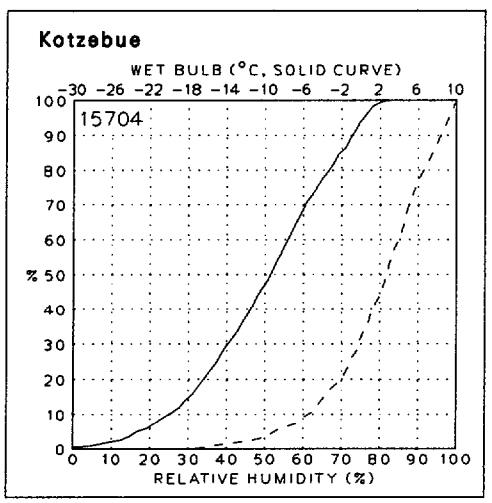

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
4345
% 50
RELATIVE HUMIDITY (%)

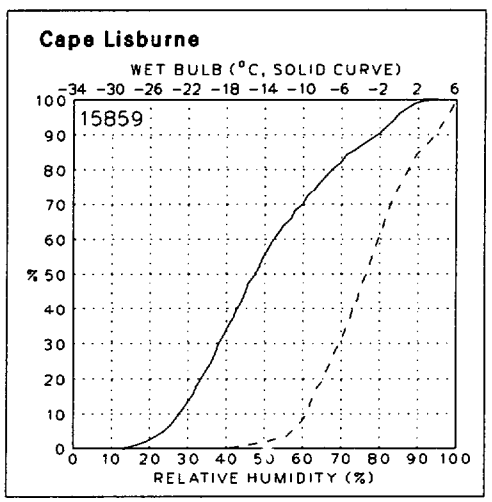

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
4521
% 50
RELATIVE HUMIDITY (%)

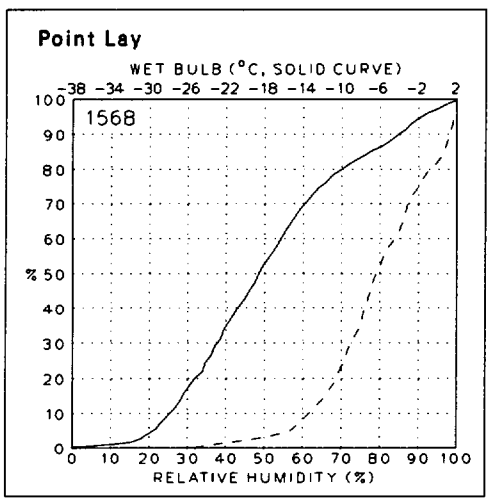

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
2629
% 50
RELATIVE HUMIDITY (%)

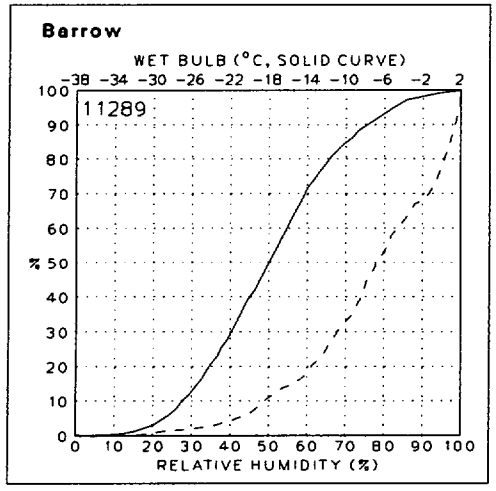

Mys Uelen
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
4572
% 50
RELATIVE HUMIDITY (%)

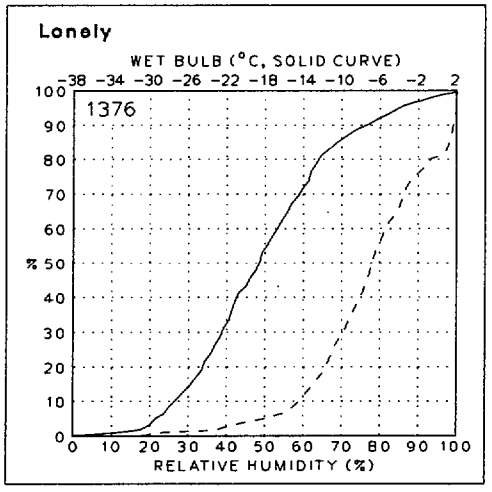

Tin City
WET BULB (°C, SOLID CURVE)
-32 -28 -24 -20 -16 -12 -8 -4 0 4 8
15518
% 50
RELATIVE HUMIDITY (%)

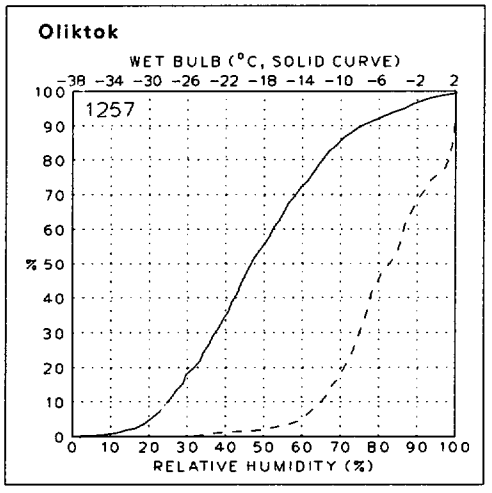

Kotzebue
WET BULB (°C, SOLID CURVE)
-30 -26 -22 -18 -14 -10 -6 -2 2 6 10
15704
% 50
RELATIVE HUMIDITY (%)

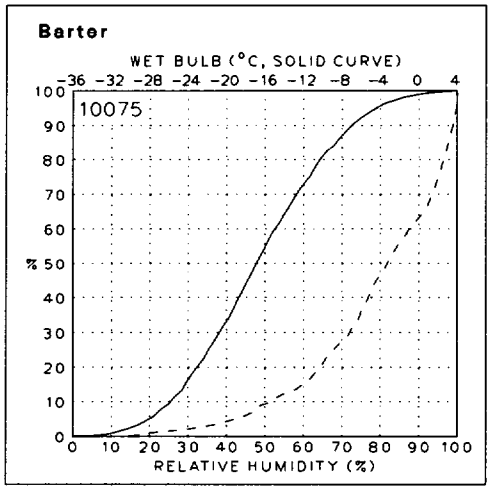

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
15859
% 50
RELATIVE HUMIDITY (%)

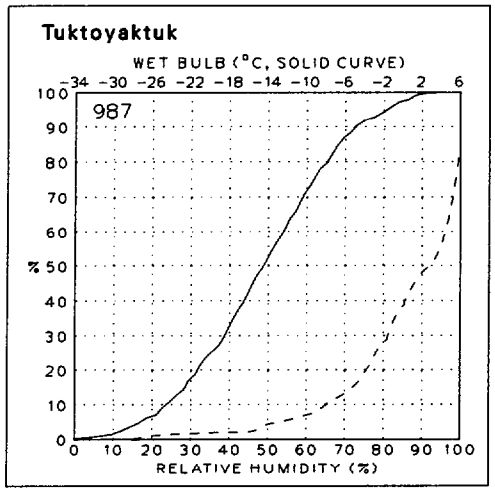

Point Lay
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
1568
% 50
RELATIVE HUMIDITY (%)

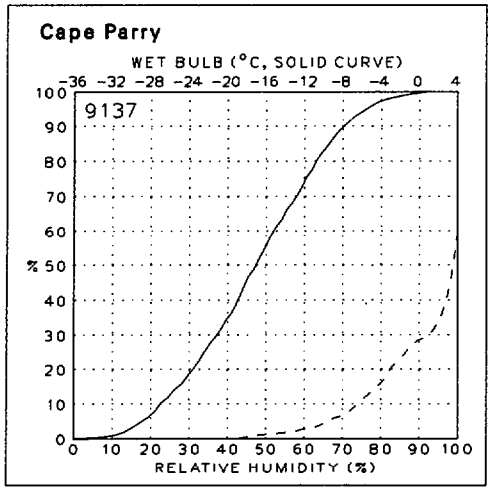

Barrow
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
11289
% 50
RELATIVE HUMIDITY (%)

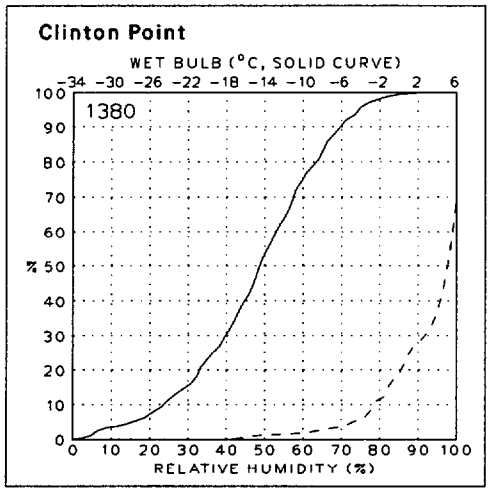

Lonely
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
1376
% 50
RELATIVE HUMIDITY (%)

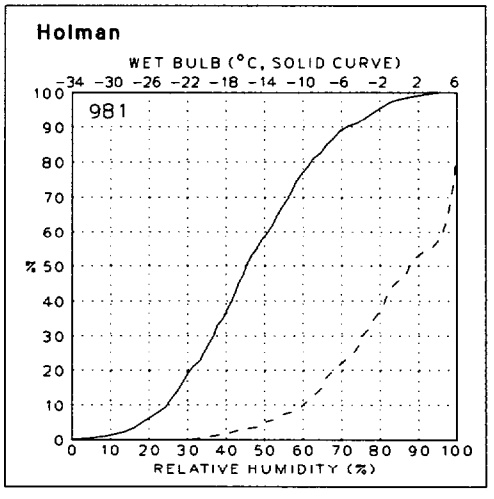

Oliktok
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
1257
% 50
RELATIVE HUMIDITY (%)

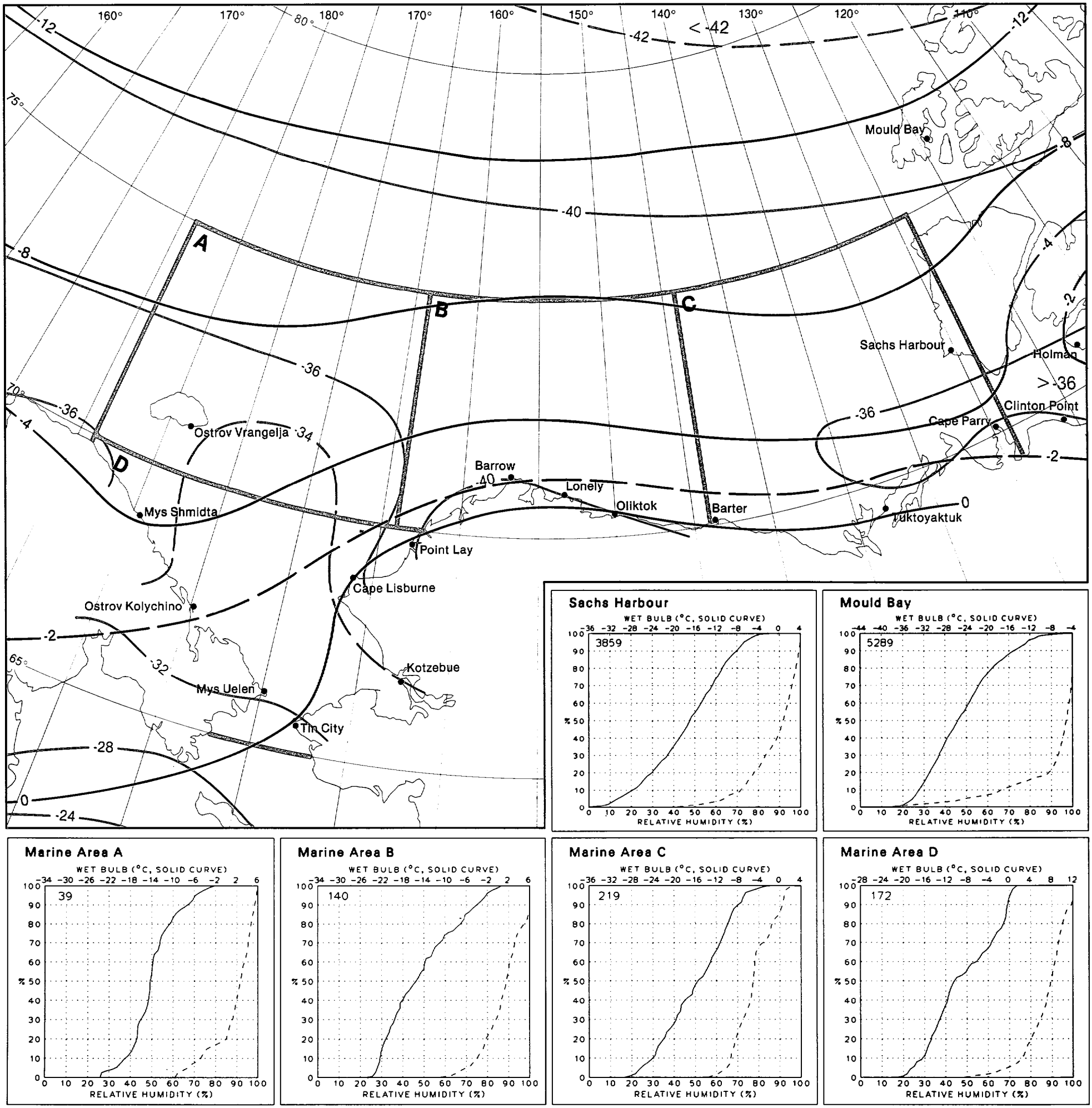

Barter
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
10075
% 50
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
987
% 50
RELATIVE HUMIDITY (%)

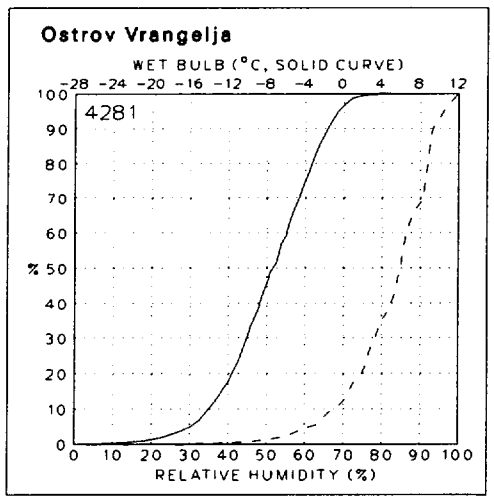

Cape Parry
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
9137
% 50
RELATIVE HUMIDITY (%)

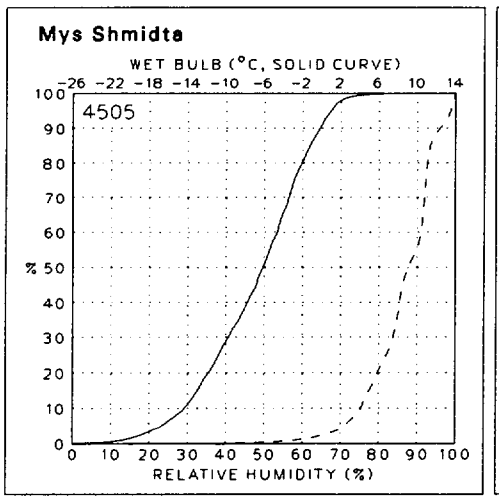

Clinton Point
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
1380
% 50
RELATIVE HUMIDITY (%)

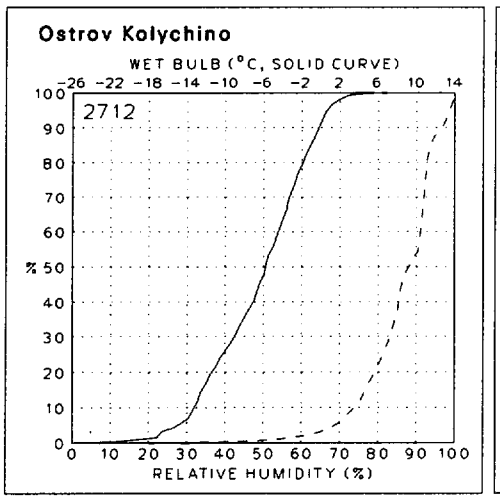

Holman
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
981
% 50
RELATIVE HUMIDITY (%)

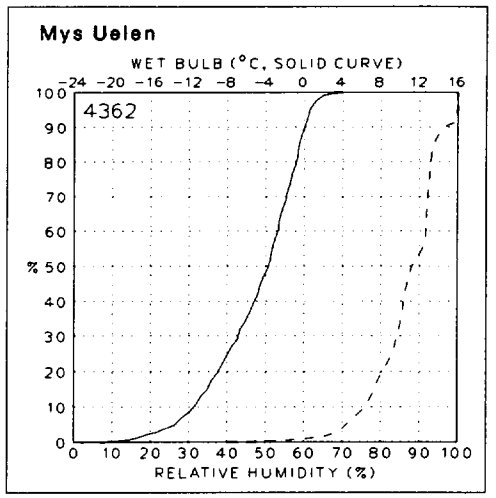


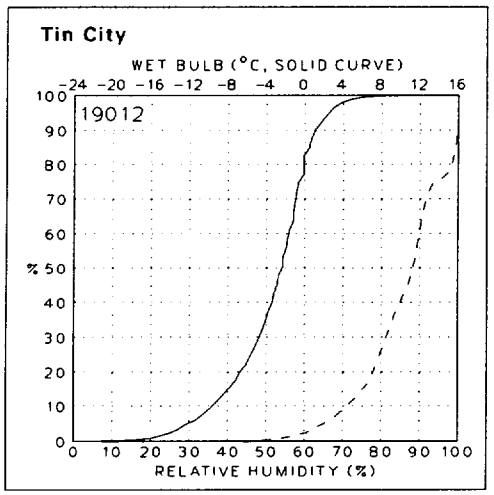
160°
170°
80°
180°
170°
160°
150°
140°
130°
120°
110°
-12
< -42
-42
-12
75°
Mould Bay
-8
-40
A
-8
B
C
-4
-2
Sachs Harbour
Holman
-36
> -36
70°
-36
-4
Ostrov Vrangelja
-34
-36
Clinton Point
Cape Parry
D
-2
Barrow
-40
Lonely
Oliktok
Barter
0
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
-2
65°
-32
Kotzebue
Mys Uelen
Tin City
-28
0
-24
Sachs Harbour
WET BULB (°C, SOLID CURVE)
3859
RELATIVE HUMIDITY (%)
Mould Bay
WET BULB (°C, SOLID CURVE)
5289
RELATIVE HUMIDITY (%)
Marine Area A
WET BULB (°C, SOLID CURVE)
39
RELATIVE HUMIDITY (%)
Marine Area B
WET BULB (°C, SOLID CURVE)
140
RELATIVE HUMIDITY (%)
Marine Area C
WET BULB (°C, SOLID CURVE)
219
RELATIVE HUMIDITY (%)
Marine Area D
WET BULB (°C, SOLID CURVE)
172
RELATIVE HUMIDITY (%)

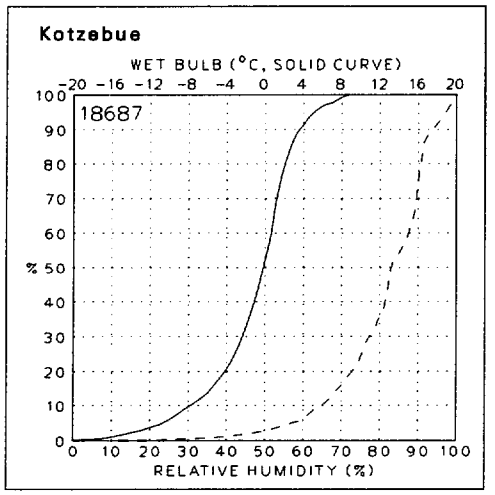

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
4281
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

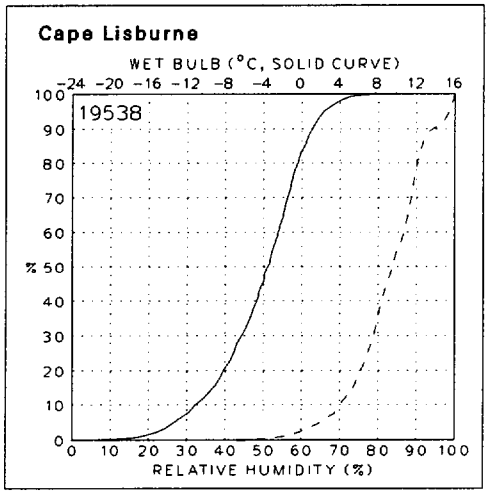

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
4505
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

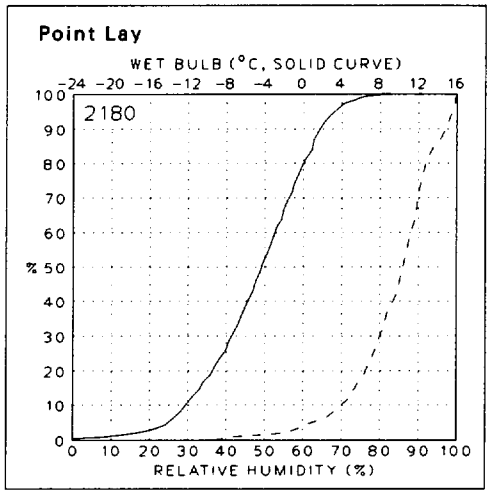

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
2712
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

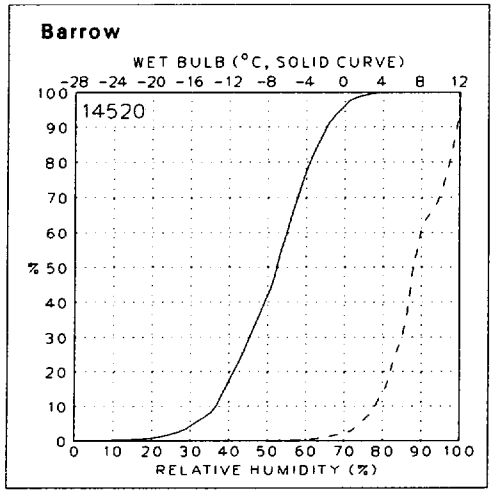

Mys Uelen
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
4362
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

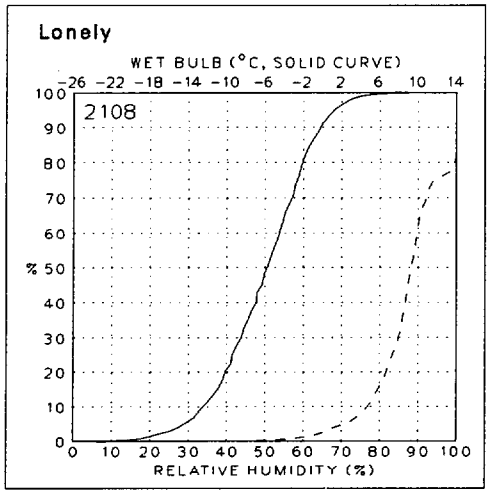

Tin City
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
19012
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

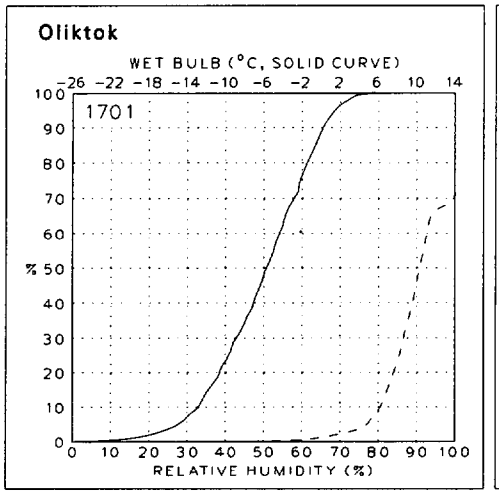

Kotzebue
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
18687
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

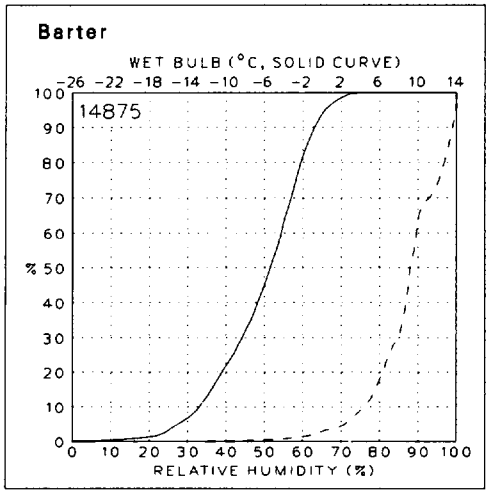

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
19538
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

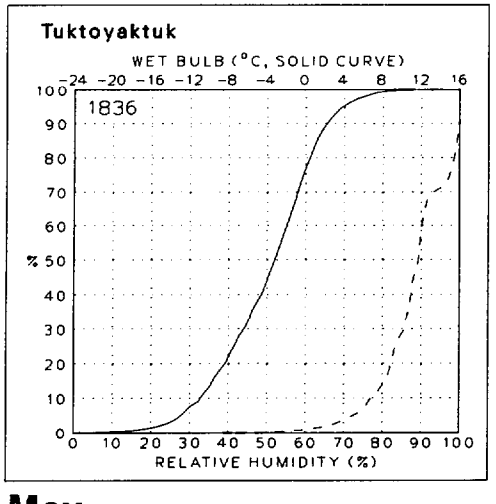

Point Lay
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
2180
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

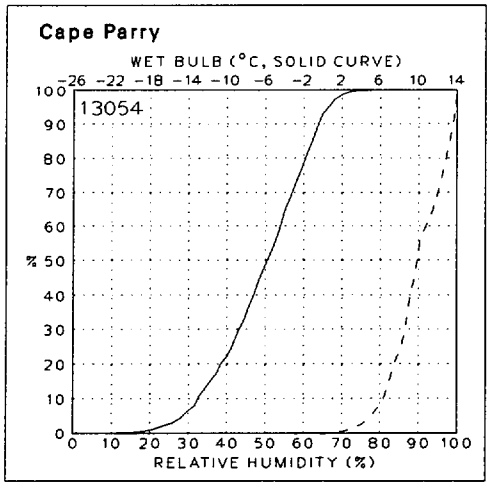

Barrow
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
14520
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

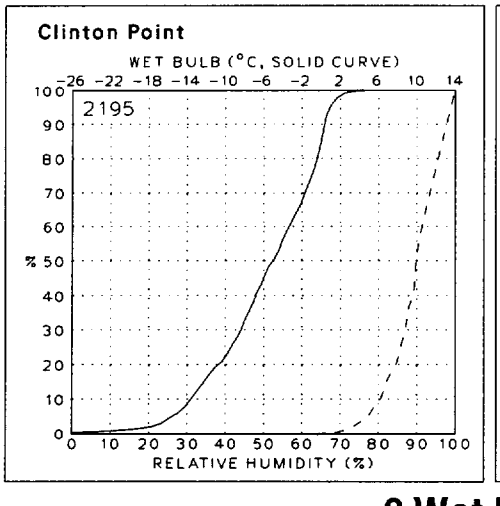

Lonely
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
2108
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

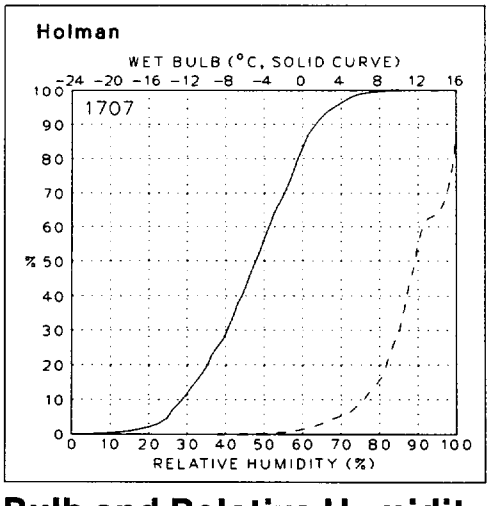

Oliktok
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
1701
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

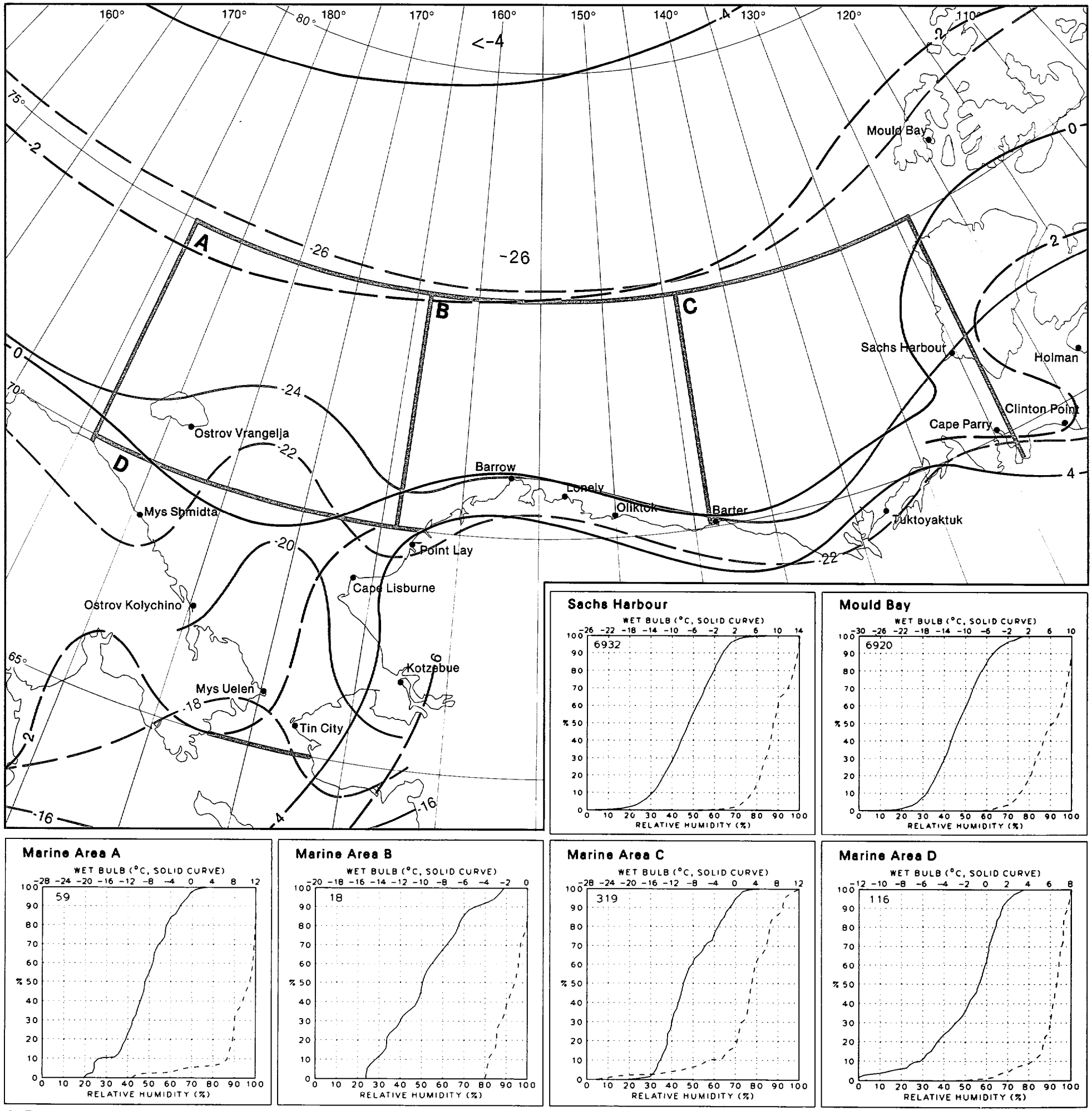

Barter
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
14875
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
1836
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)


Cape Parry
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
13054
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

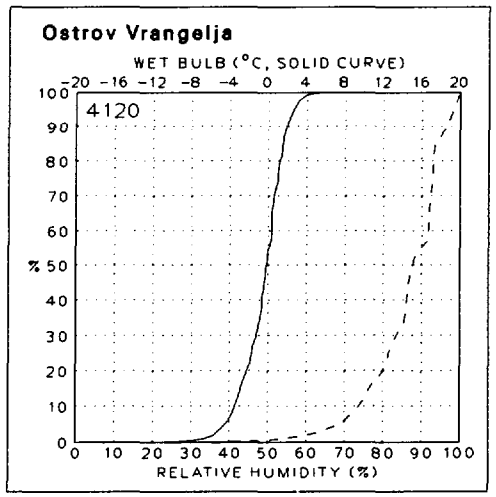

Clinton Point
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
2195
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

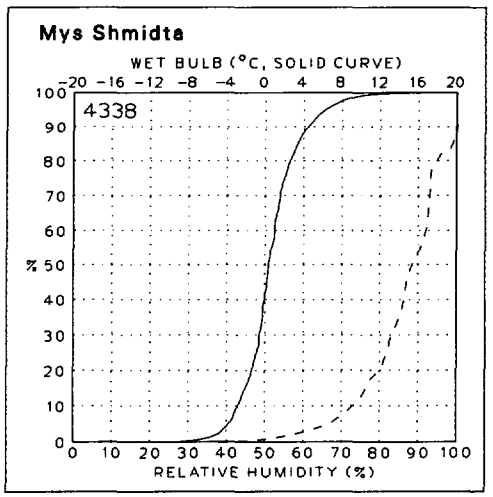

Holman
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
1707
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

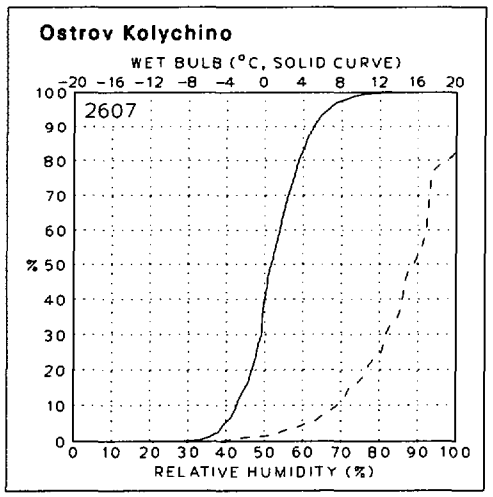


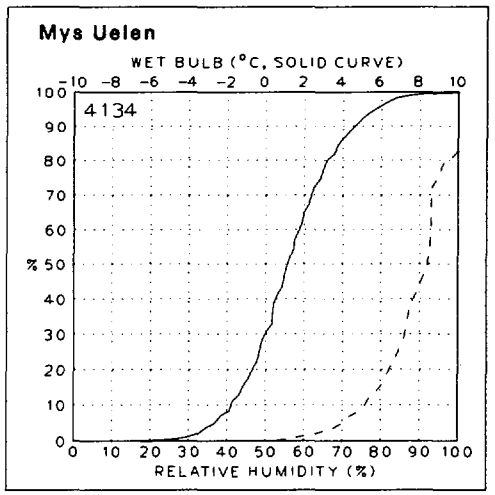
9 Dew Point Temperature Extremes

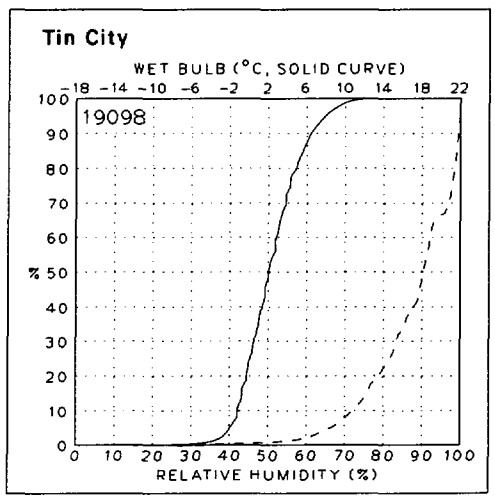
May

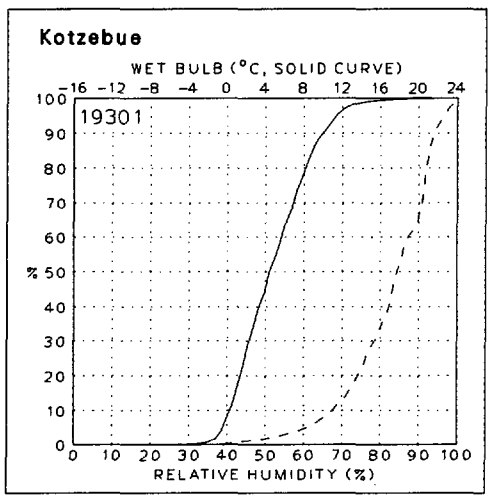

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
4120
% 50
RELATIVE HUMIDITY (%)

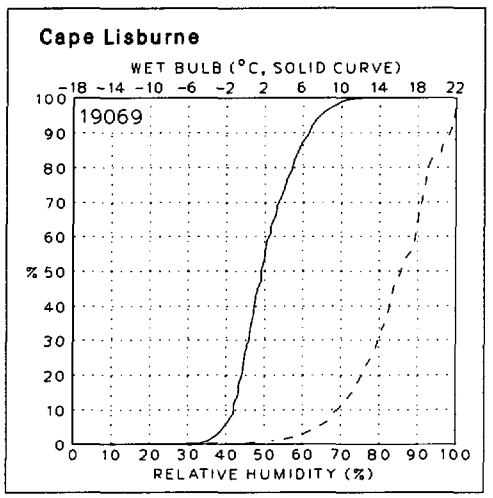

Mys Shmidta
WET BULB (°C, SOLID CURVE)
4338
% 50
RELATIVE HUMIDITY (%)

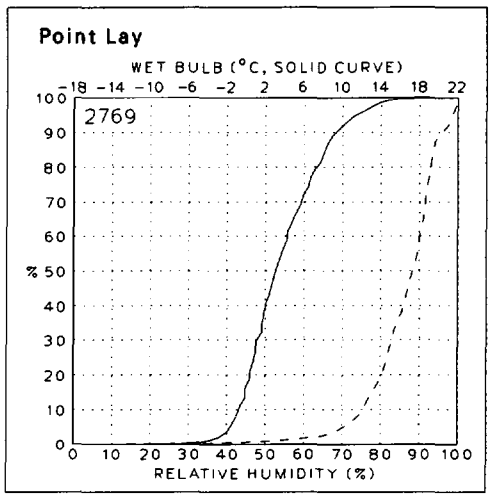

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
2607
% 50
RELATIVE HUMIDITY (%)

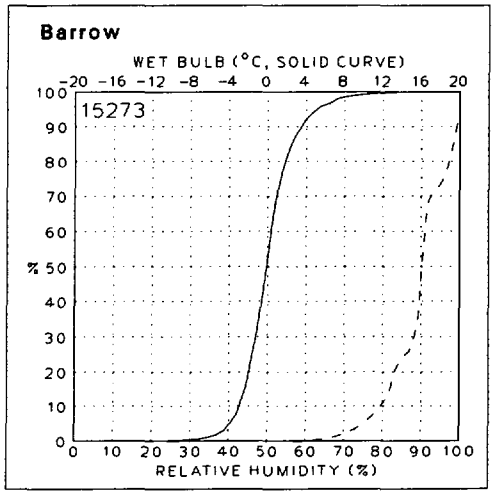

Mys Uelen
WET BULB (°C, SOLID CURVE)
4134
% 50
RELATIVE HUMIDITY (%)

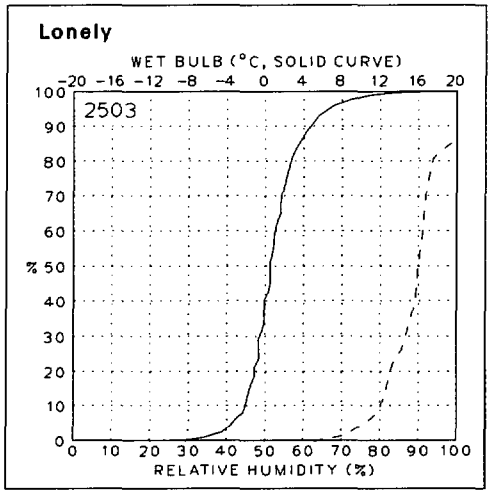

Tin City
WET BULB (°C, SOLID CURVE)
19098
% 50
RELATIVE HUMIDITY (%)

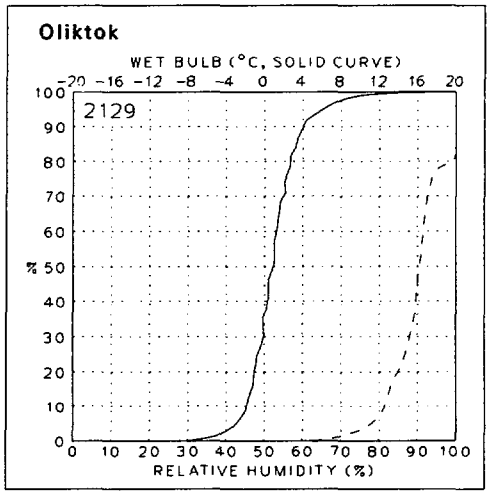

Kotzebue
WET BULB (°C, SOLID CURVE)
19301
% 50
RELATIVE HUMIDITY (%)

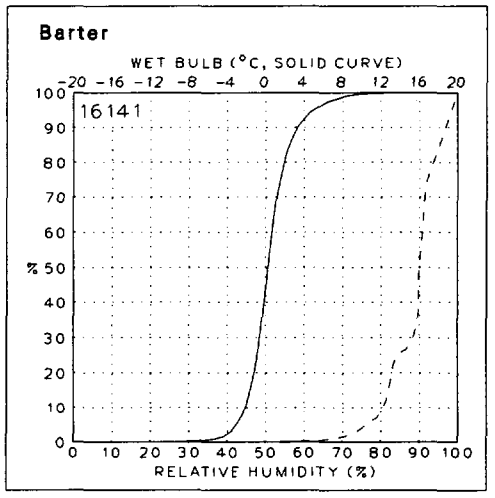

Cape Lisburne
WET BULB (°C, SOLID CURVE)
19069
% 50
RELATIVE HUMIDITY (%)

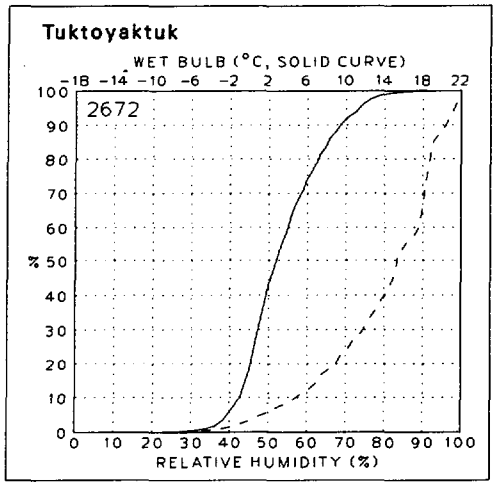

Point Lay
WET BULB (°C, SOLID CURVE)
2769
% 50
RELATIVE HUMIDITY (%)

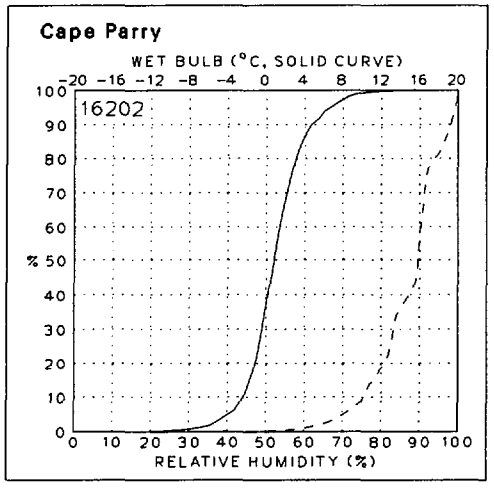

Barrow
WET BULB (°C, SOLID CURVE)
15273
% 50
RELATIVE HUMIDITY (%)

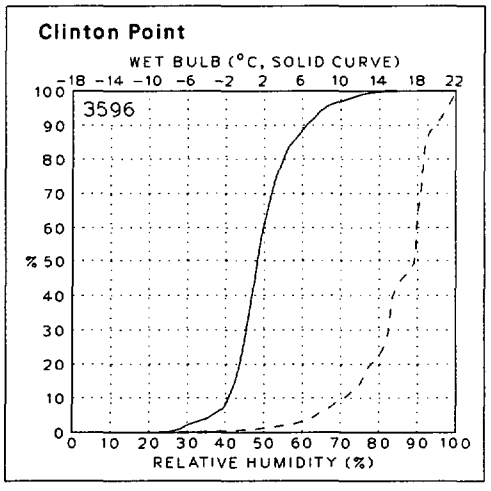

Lonely
WET BULB (°C, SOLID CURVE)
2503
% 50
RELATIVE HUMIDITY (%)

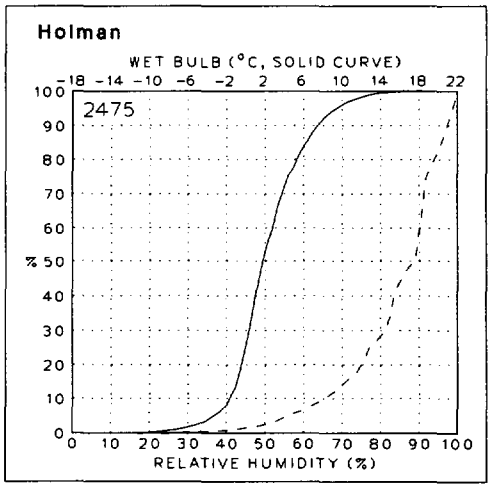

Oliktok
WET BULB (°C, SOLID CURVE)
2129
% 50
RELATIVE HUMIDITY (%)

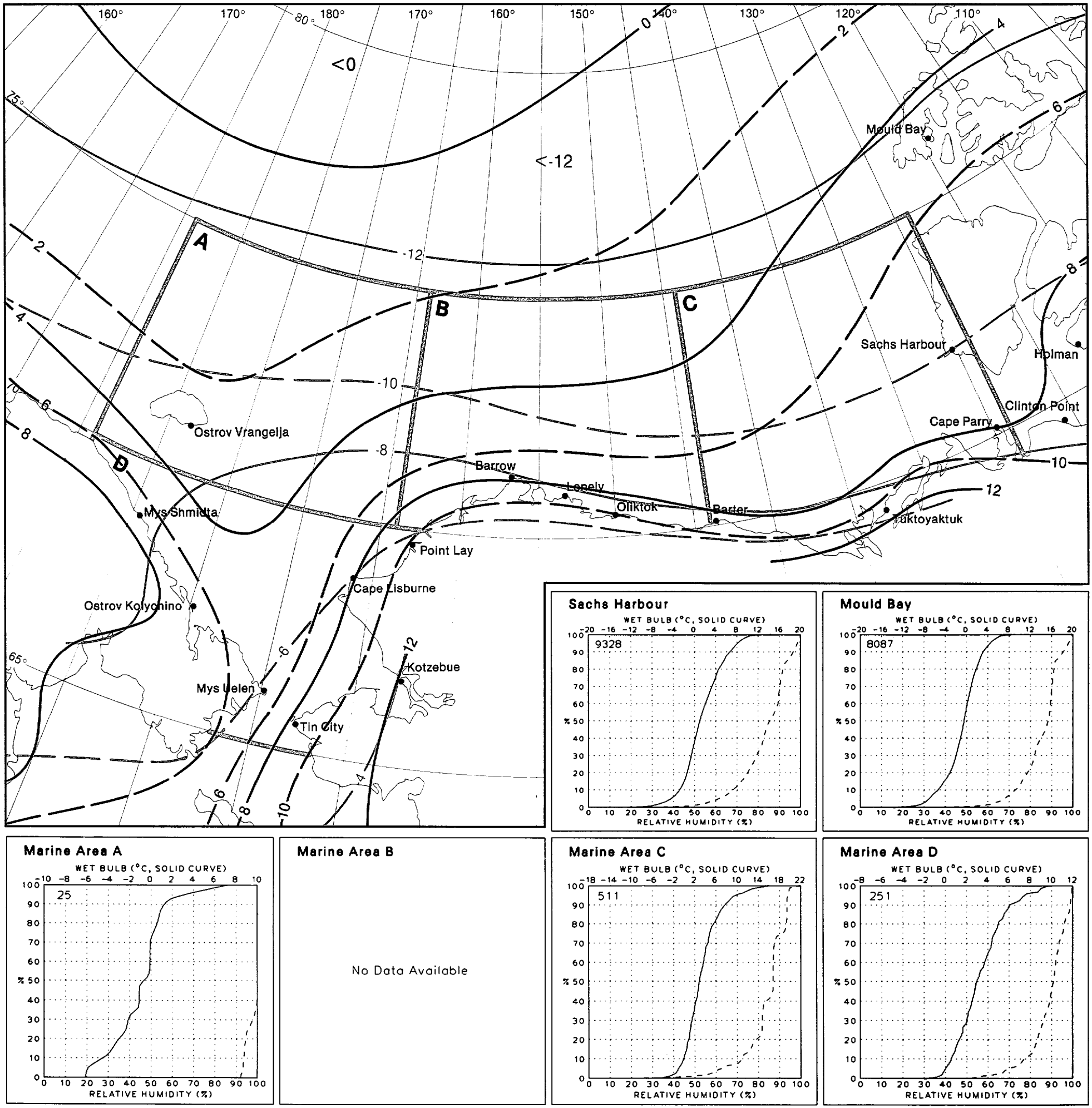

Barter
WET BULB (°C, SOLID CURVE)
16141
% 50
RELATIVE HUMIDITY (%)

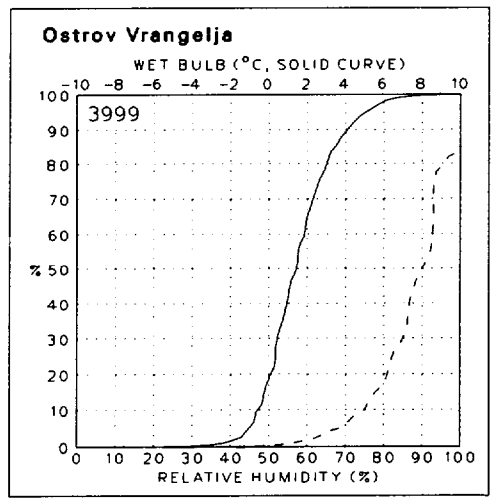

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
2672
% 50
RELATIVE HUMIDITY (%)

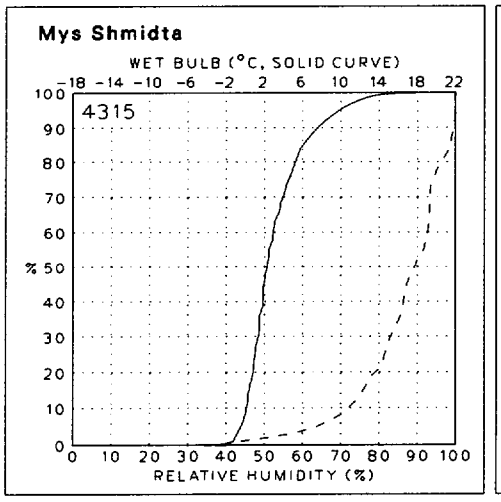

Cape Parry
WET BULB (°C, SOLID CURVE)
16202
% 50
RELATIVE HUMIDITY (%)

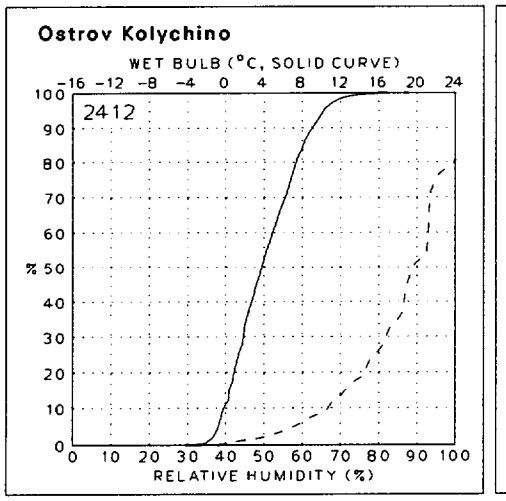

Clinton Point
WET BULB (°C, SOLID CURVE)
3596
% 50
RELATIVE HUMIDITY (%)

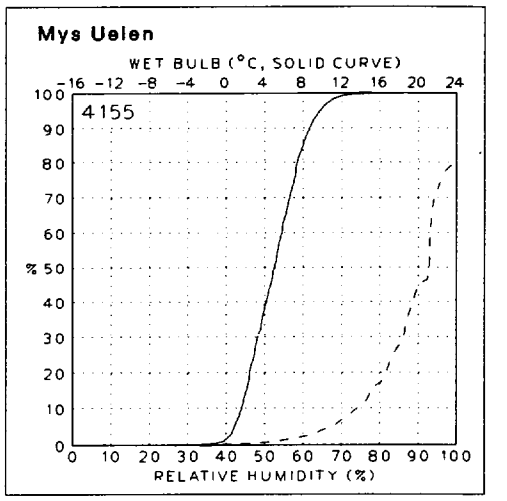

Holman
WET BULB (°C, SOLID CURVE)
2475
% 50
RELATIVE HUMIDITY (%)

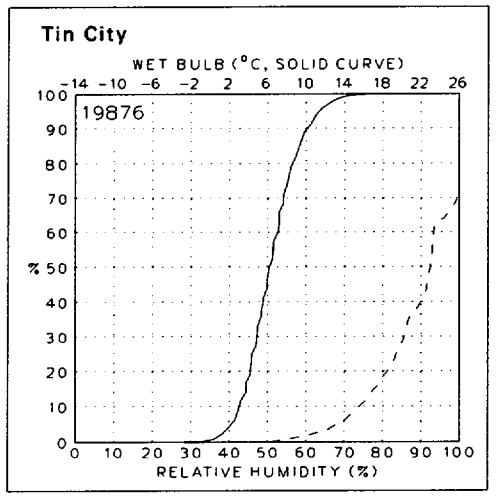

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
<0
<-12
-12
-10
-8
0
2
4
6
8
10
12
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
WET BULB (°C, SOLID CURVE)
9328
RELATIVE HUMIDITY (%)
Mould Bay
WET BULB (°C, SOLID CURVE)
8087
RELATIVE HUMIDITY (%)
Marine Area A
WET BULB (°C, SOLID CURVE)
25
RELATIVE HUMIDITY (%)
Marine Area B
No Data Available
Marine Area C
WET BULB (°C, SOLID CURVE)
511
RELATIVE HUMIDITY (%)
Marine Area D
WET BULB (°C, SOLID CURVE)
251
RELATIVE HUMIDITY (%)

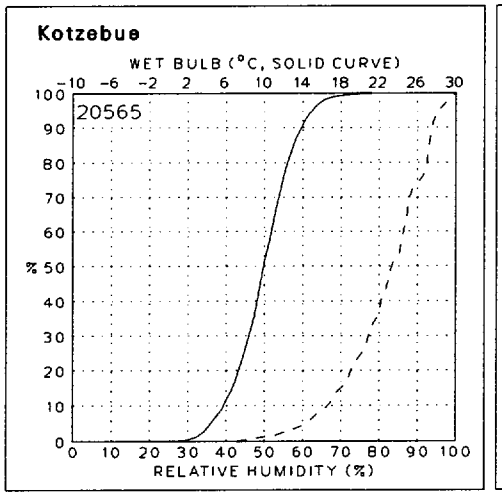

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
3999
% 50
RELATIVE HUMIDITY (%)

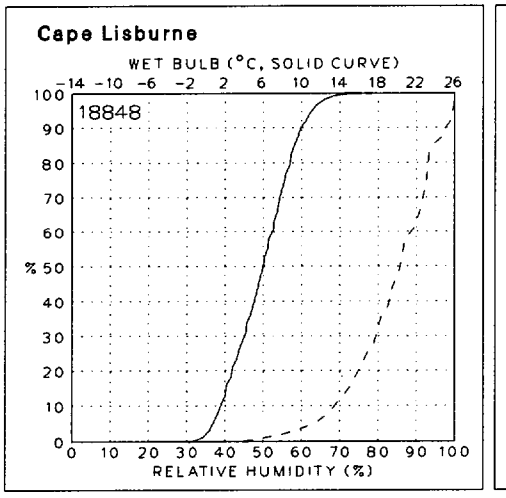

Mys Shmidta
WET BULB (°C, SOLID CURVE)
4315
% 50
RELATIVE HUMIDITY (%)

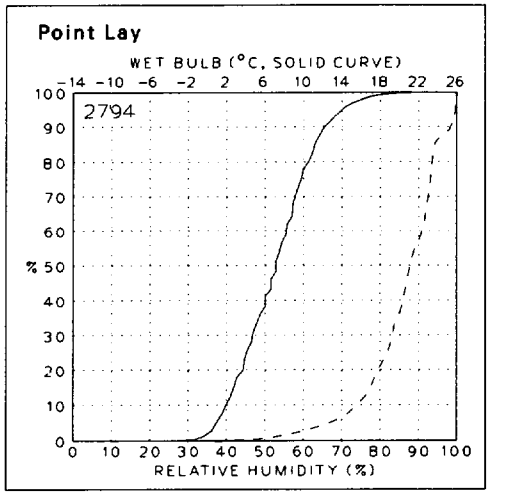

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
2412
% 50
RELATIVE HUMIDITY (%)

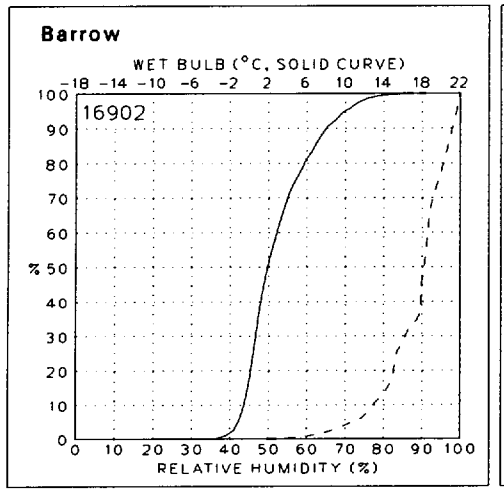

Mys Uelen
WET BULB (°C, SOLID CURVE)
4155
% 50
RELATIVE HUMIDITY (%)

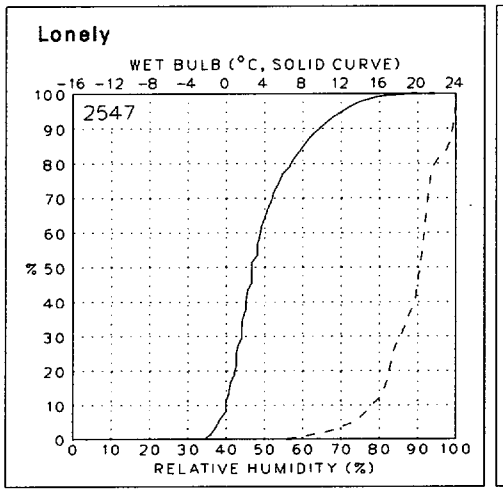

Tin City
WET BULB (°C, SOLID CURVE)
19876
% 50
RELATIVE HUMIDITY (%)

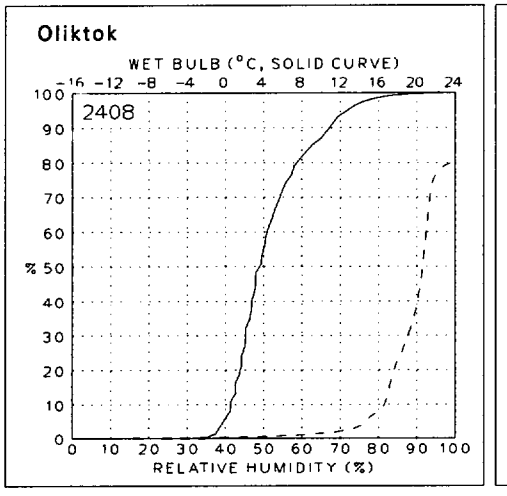

Kotzebue
WET BULB (°C, SOLID CURVE)
20565
% 50
RELATIVE HUMIDITY (%)

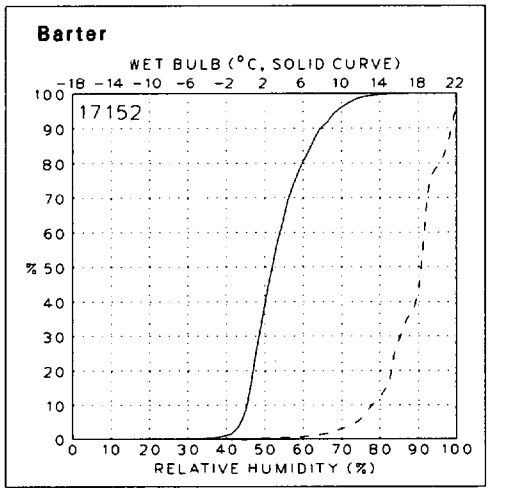

Cape Lisburne
WET BULB (°C, SOLID CURVE)
18848
% 50
RELATIVE HUMIDITY (%)

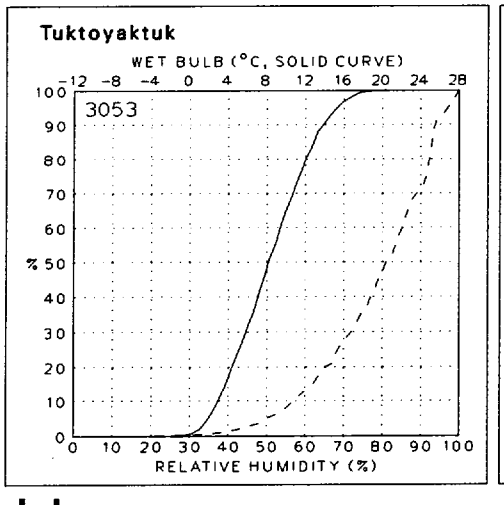

Point Lay
WET BULB (°C, SOLID CURVE)
2794
% 50
RELATIVE HUMIDITY (%)

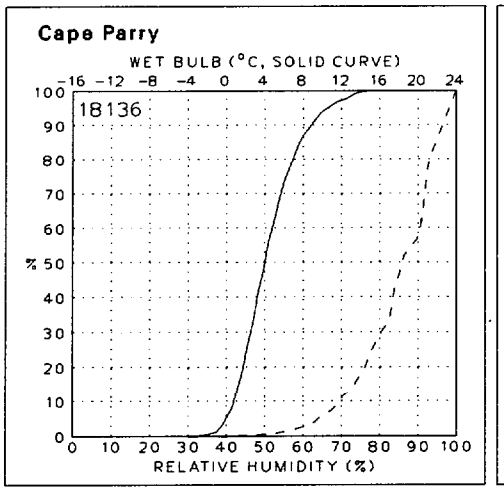

Barrow
WET BULB (°C, SOLID CURVE)
16902
% 50
RELATIVE HUMIDITY (%)

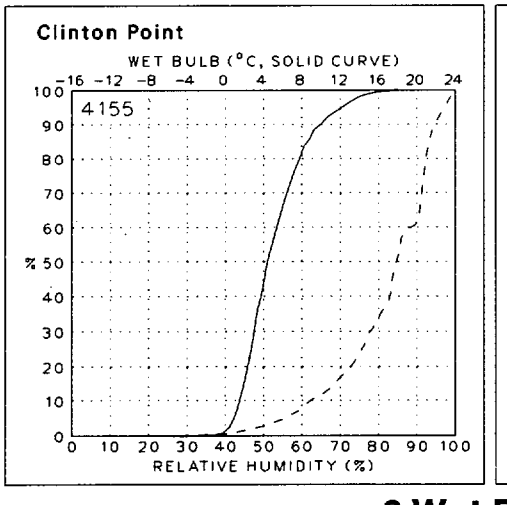

Lonely
WET BULB (°C, SOLID CURVE)
2547
% 50
RELATIVE HUMIDITY (%)

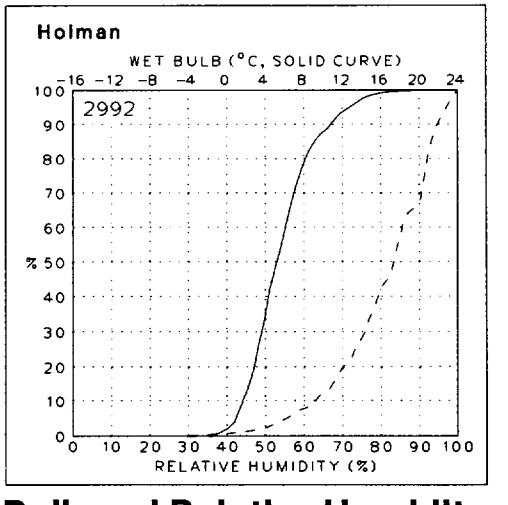

Oliktok
WET BULB (°C, SOLID CURVE)
2408
% 50
RELATIVE HUMIDITY (%)

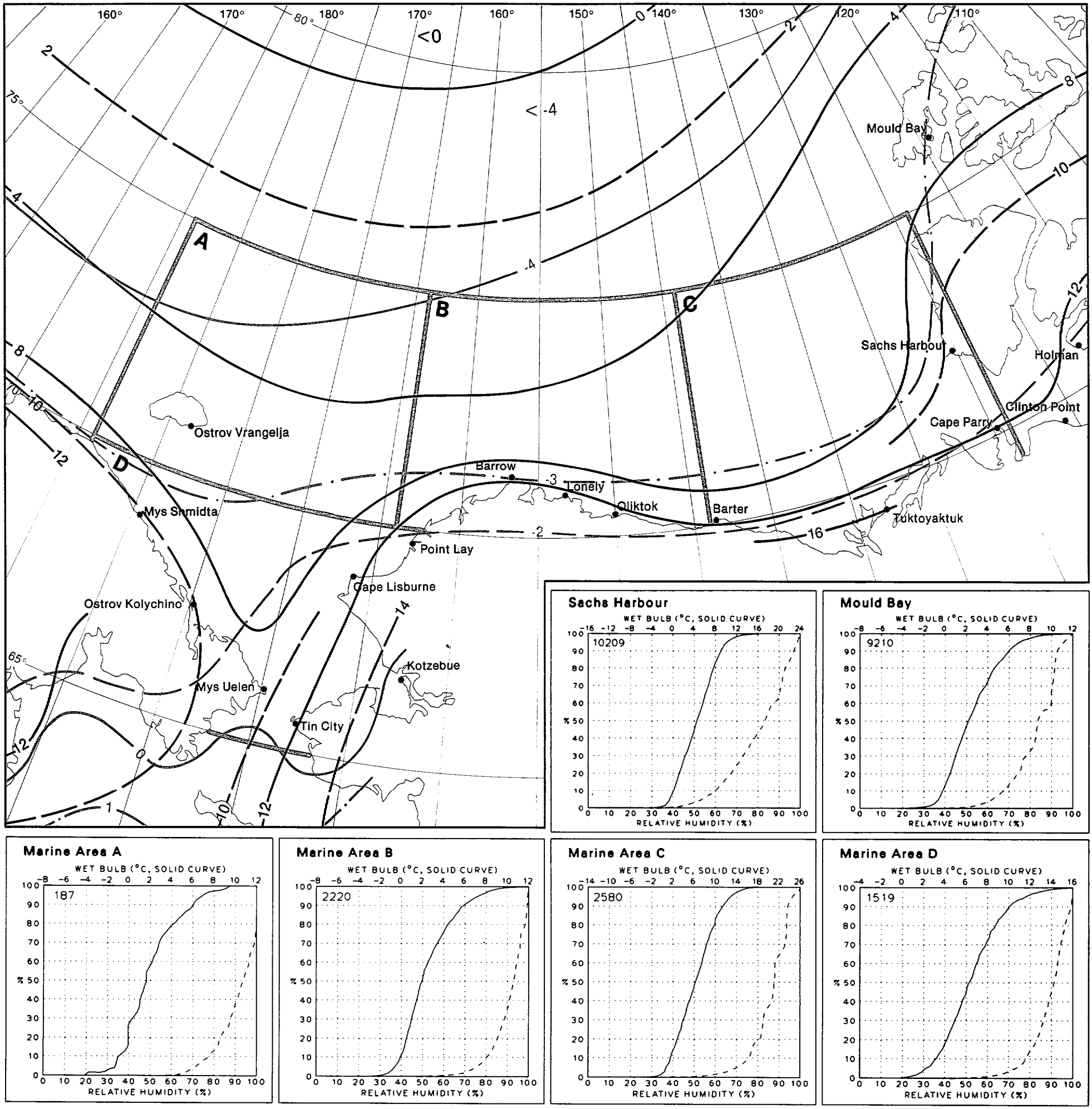

Barter
WET BULB (°C, SOLID CURVE)
17152
% 50
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
3053
% 50
RELATIVE HUMIDITY (%)


Cape Parry
WET BULB (°C, SOLID CURVE)
18136
% 50
RELATIVE HUMIDITY (%)

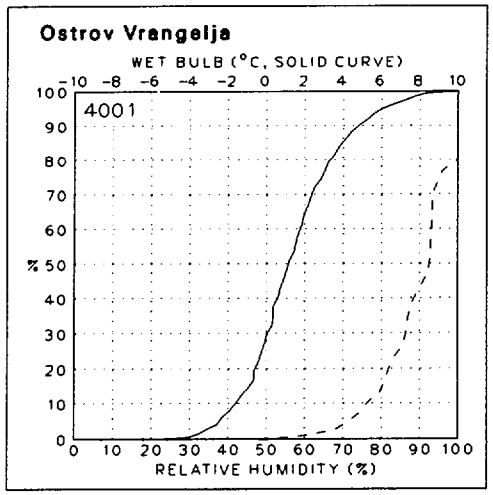

Clinton Point
WET BULB (°C, SOLID CURVE)
4155
% 50
RELATIVE HUMIDITY (%)

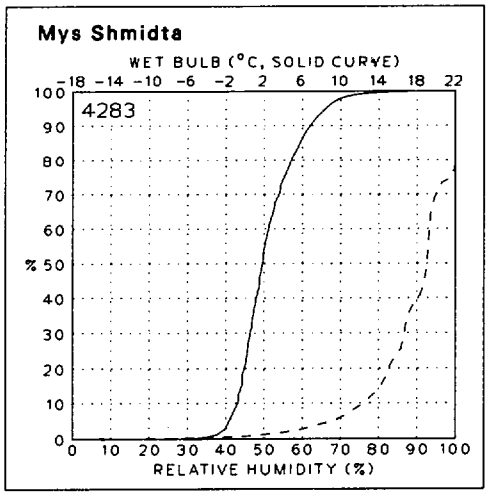

Holman
WET BULB (°C, SOLID CURVE)
2992
% 50
RELATIVE HUMIDITY (%)

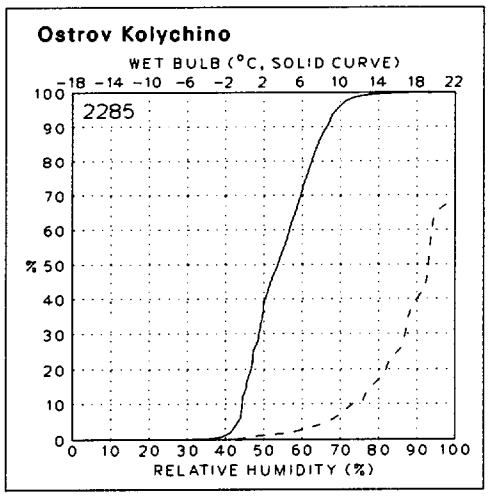


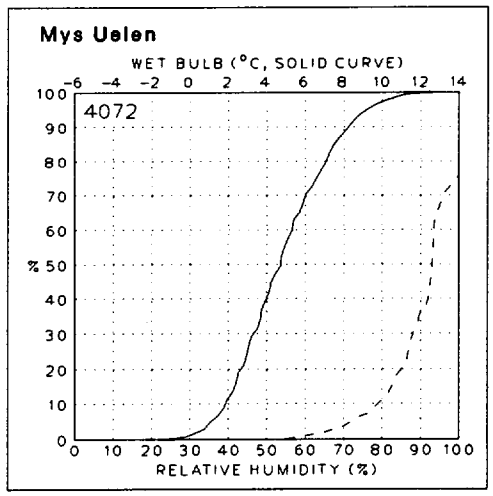
9 Dew Point Temperature Extremes

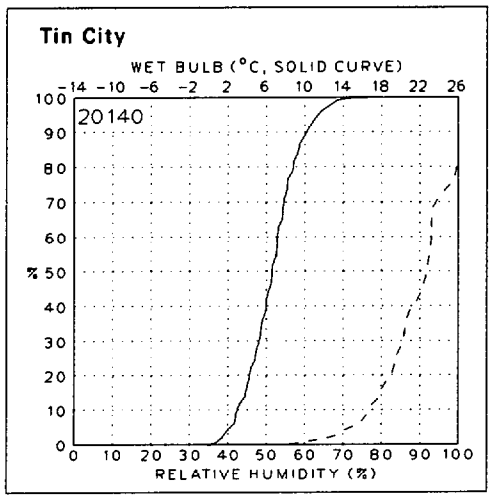
July

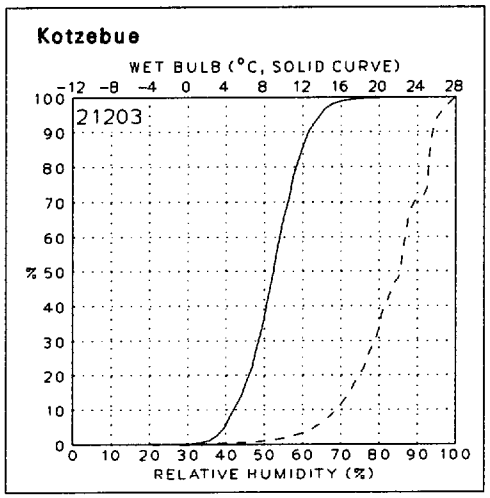

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
4001
% 50
RELATIVE HUMIDITY (%)

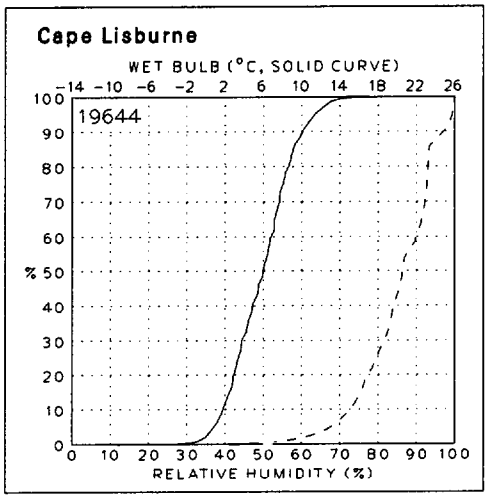

Mys Shmidta
WET BULB (°C, SOLID CURVE)
4283
% 50
RELATIVE HUMIDITY (%)

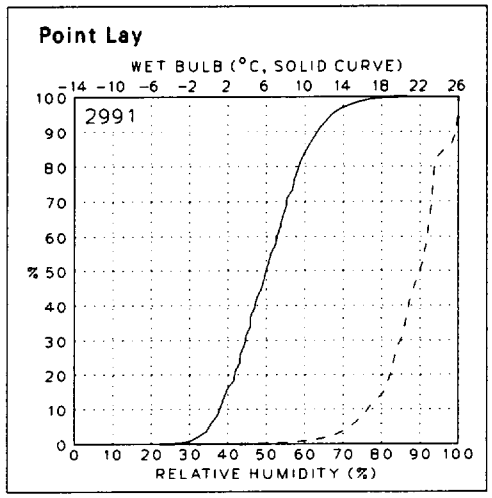

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
2285
% 50
RELATIVE HUMIDITY (%)

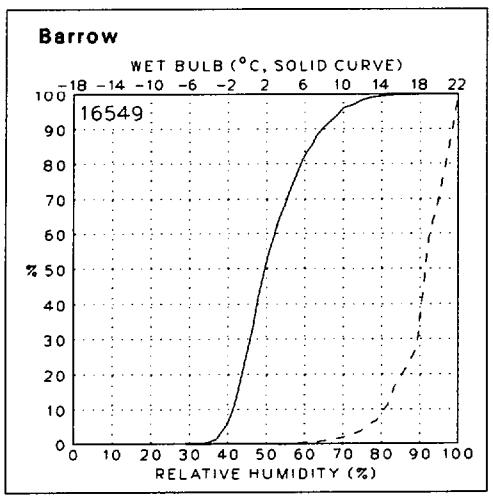

Mys Uelen
WET BULB (°C, SOLID CURVE)
4072
% 50
RELATIVE HUMIDITY (%)

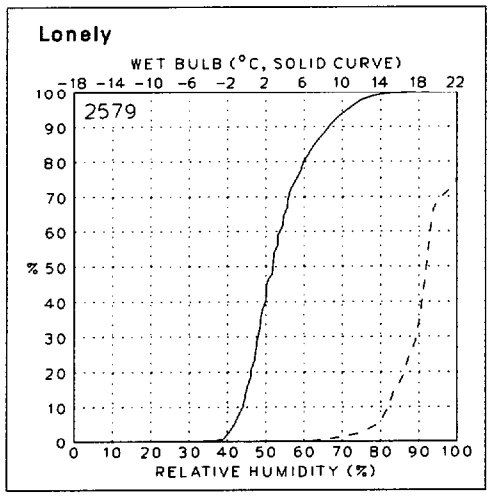

Tin City
WET BULB (°C, SOLID CURVE)
20140
% 50
RELATIVE HUMIDITY (%)

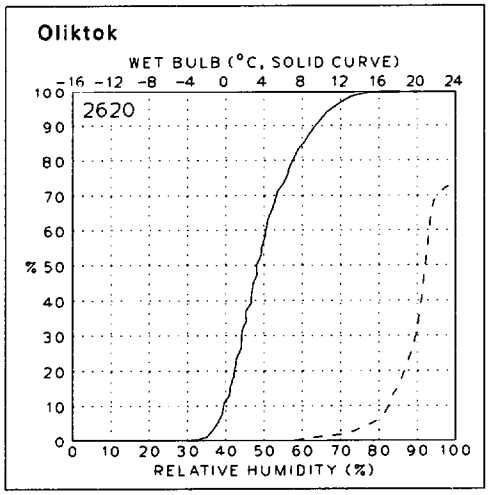

Kotzebue
WET BULB (°C, SOLID CURVE)
21203
% 50
RELATIVE HUMIDITY (%)

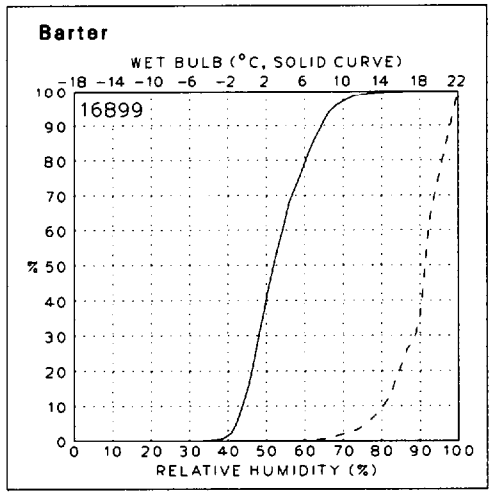

Cape Lisburne
WET BULB (°C, SOLID CURVE)
19644
% 50
RELATIVE HUMIDITY (%)

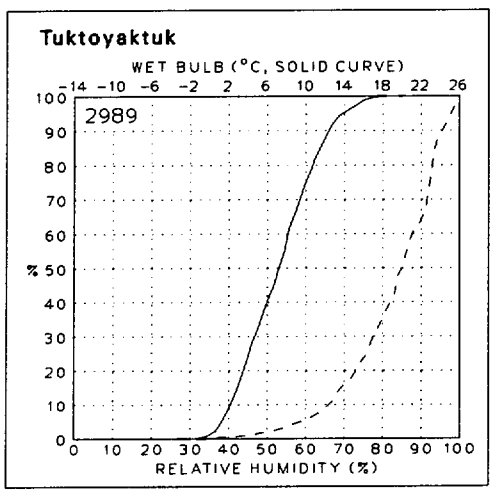

Point Lay
WET BULB (°C, SOLID CURVE)
2991
% 50
RELATIVE HUMIDITY (%)

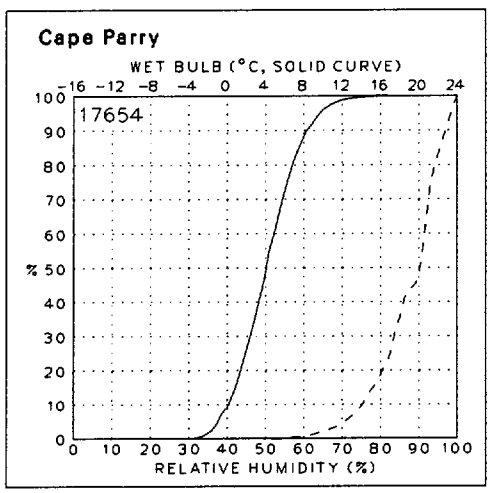

Barrow
WET BULB (°C, SOLID CURVE)
16549
% 50
RELATIVE HUMIDITY (%)

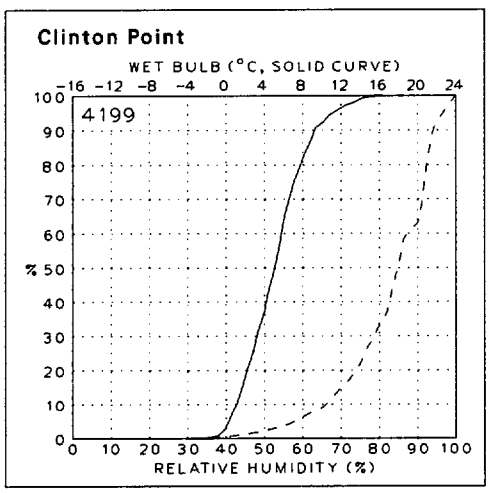

Lonely
WET BULB (°C, SOLID CURVE)
2579
% 50
RELATIVE HUMIDITY (%)

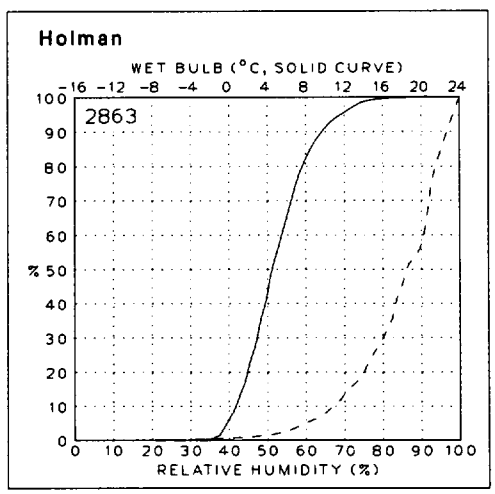

Oliktok
WET BULB (°C, SOLID CURVE)
2620
% 50
RELATIVE HUMIDITY (%)

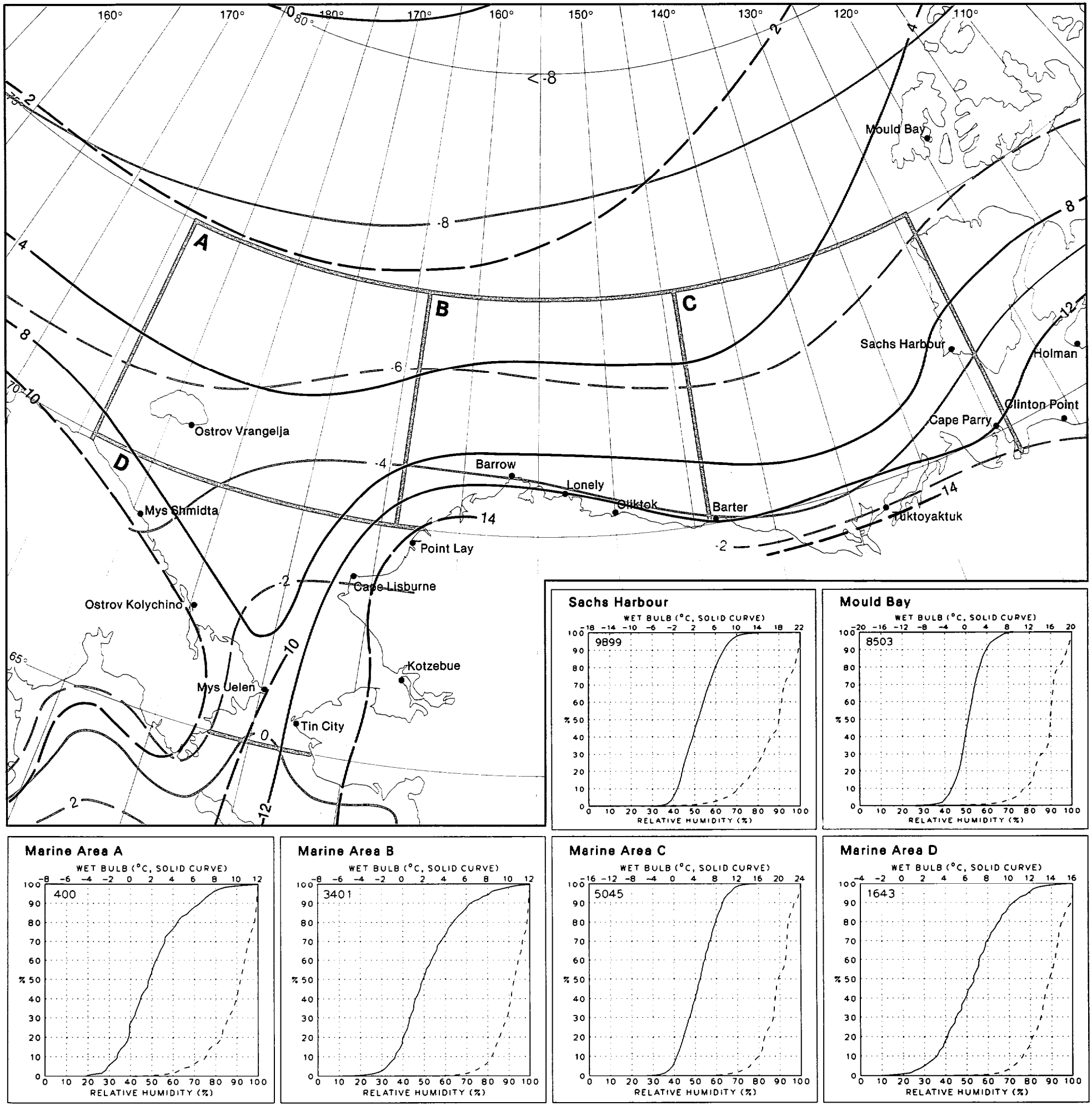

Barter
WET BULB (°C, SOLID CURVE)
16899
% 50
RELATIVE HUMIDITY (%)

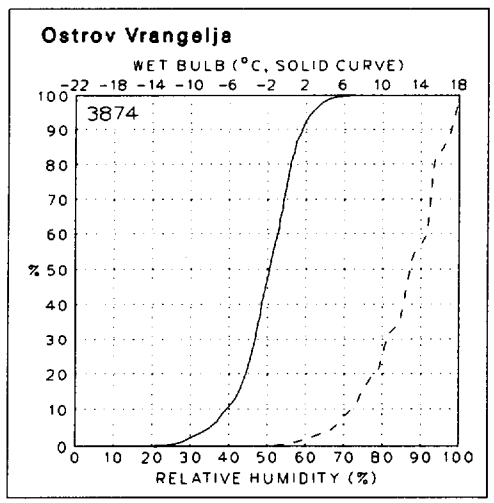

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
2989
% 50
RELATIVE HUMIDITY (%)

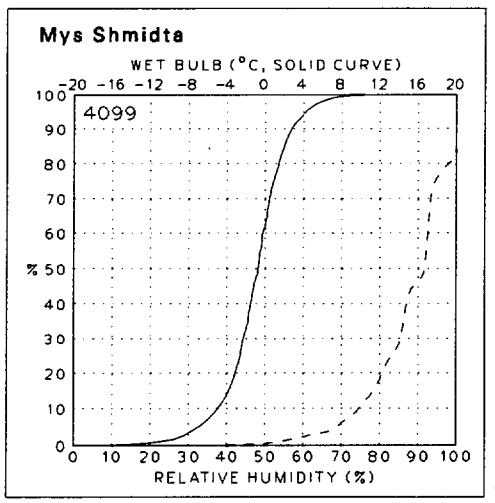

Cape Parry
WET BULB (°C, SOLID CURVE)
17654
% 50
RELATIVE HUMIDITY (%)

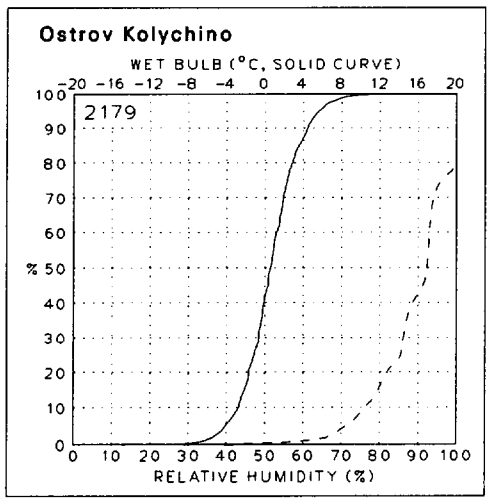

Clinton Point
WET BULB (°C, SOLID CURVE)
4199
% 50
RELATIVE HUMIDITY (%)

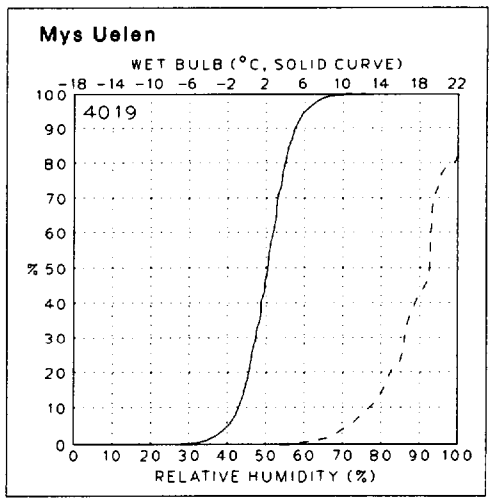

Holman
WET BULB (°C, SOLID CURVE)
2863
% 50
RELATIVE HUMIDITY (%)

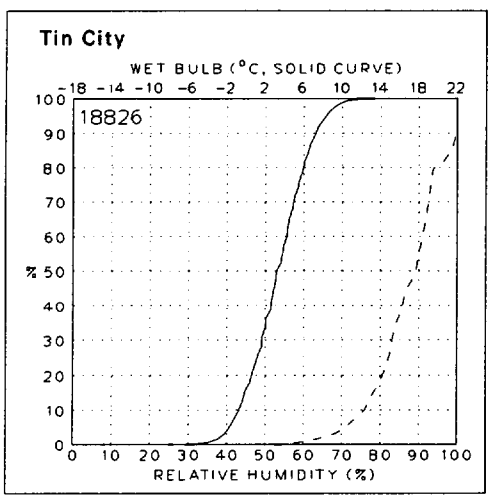

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
9899
Mould Bay
8503
Marine Area A
400
Marine Area B
3401
Marine Area C
5045
Marine Area D
1643
WET BULB (°C, SOLID CURVE)
RELATIVE HUMIDITY (%)

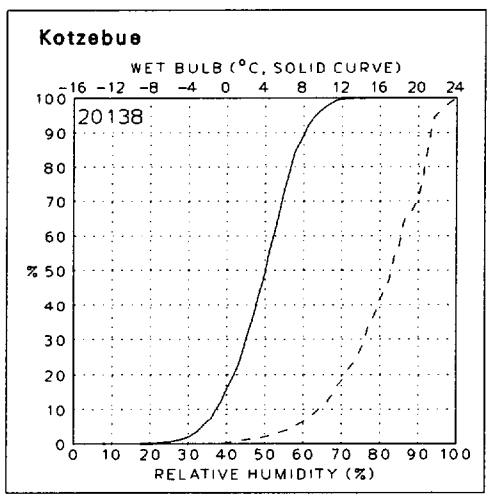

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-22 -18 -14 -10 -6 -2 2 6 10 14 18
3874
% 50
RELATIVE HUMIDITY (%)

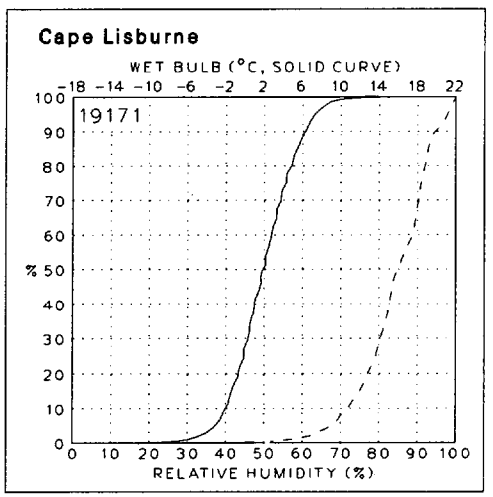

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
4099
% 50
RELATIVE HUMIDITY (%)

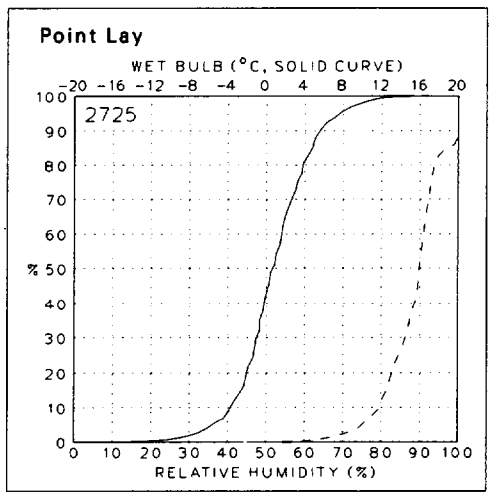

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
2179
% 50
RELATIVE HUMIDITY (%)

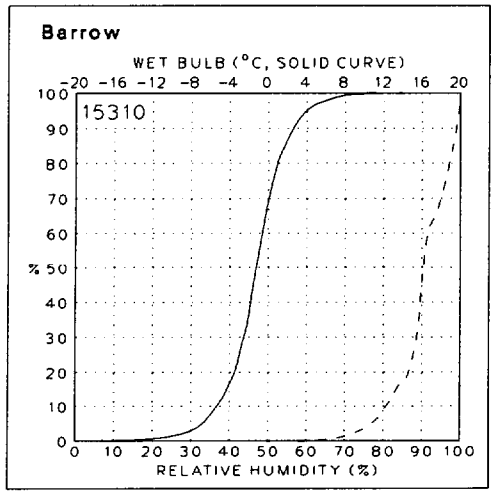

Mys Uelen
WET BULB (°C, SOLID CURVE)
-18 -14 -10 -6 -2 2 6 10 14 18 22
4019
% 50
RELATIVE HUMIDITY (%)

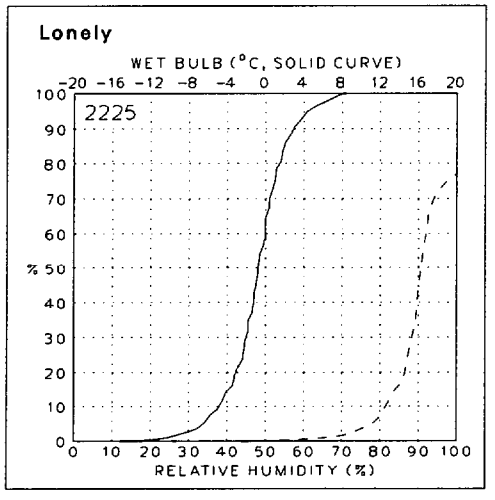

Tin City
WET BULB (°C, SOLID CURVE)
-18 -14 -10 -6 -2 2 6 10 14 18 22
18826
% 50
RELATIVE HUMIDITY (%)

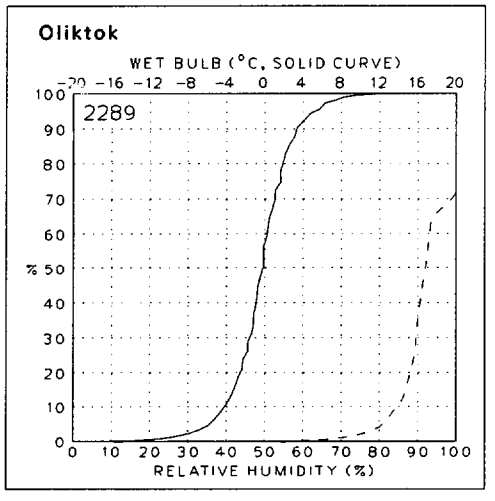

Kotzebue
WET BULB (°C, SOLID CURVE)
-16 -12 -8 -4 0 4 8 12 16 20 24
20138
% 50
RELATIVE HUMIDITY (%)

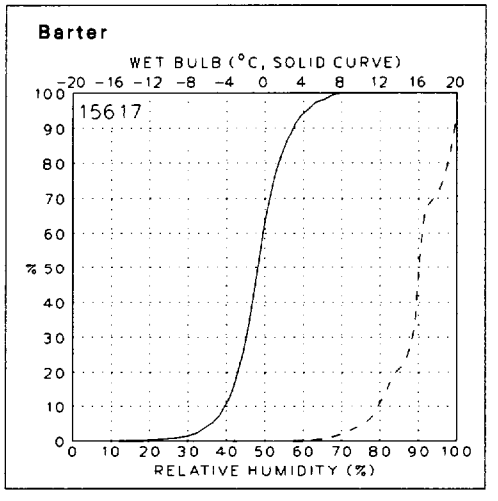

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-18 -14 -10 -6 -2 2 6 10 14 18 22
19171
% 50
RELATIVE HUMIDITY (%)

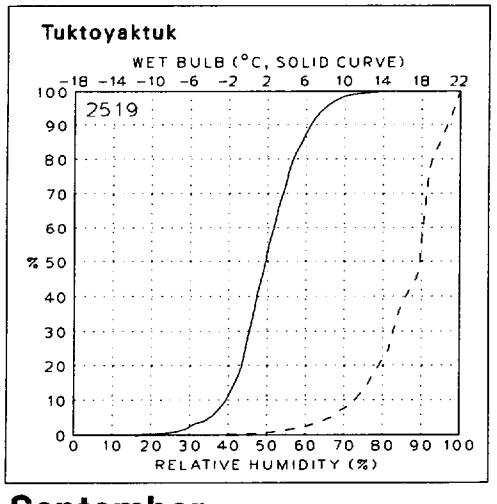

Point Lay
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
2725
% 50
RELATIVE HUMIDITY (%)

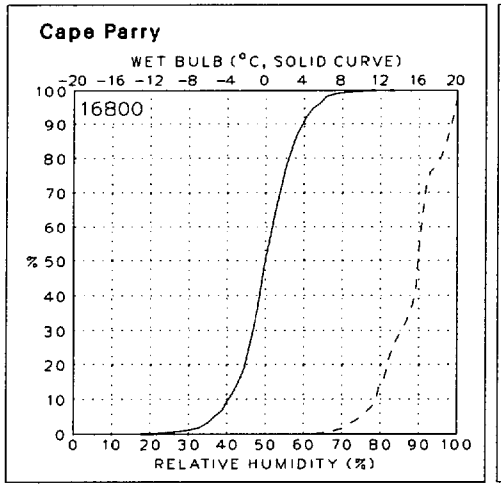

Barrow
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
15310
% 50
RELATIVE HUMIDITY (%)

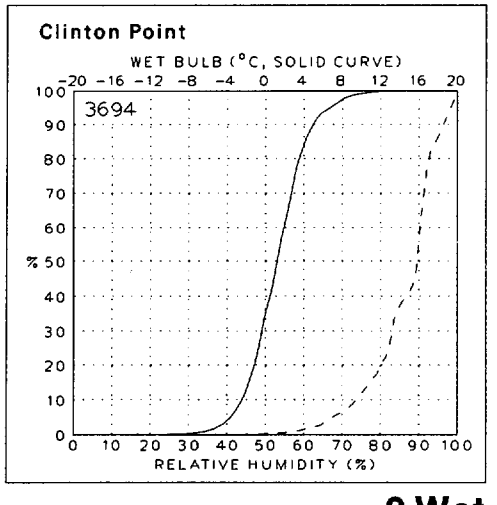

Lonely
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
2225
% 50
RELATIVE HUMIDITY (%)

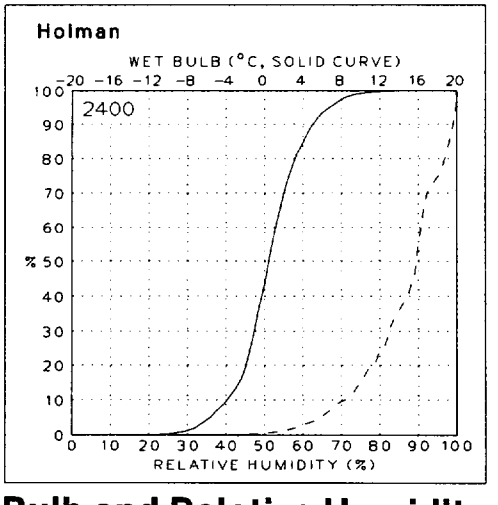

Oliktok
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
2289
% 50
RELATIVE HUMIDITY (%)

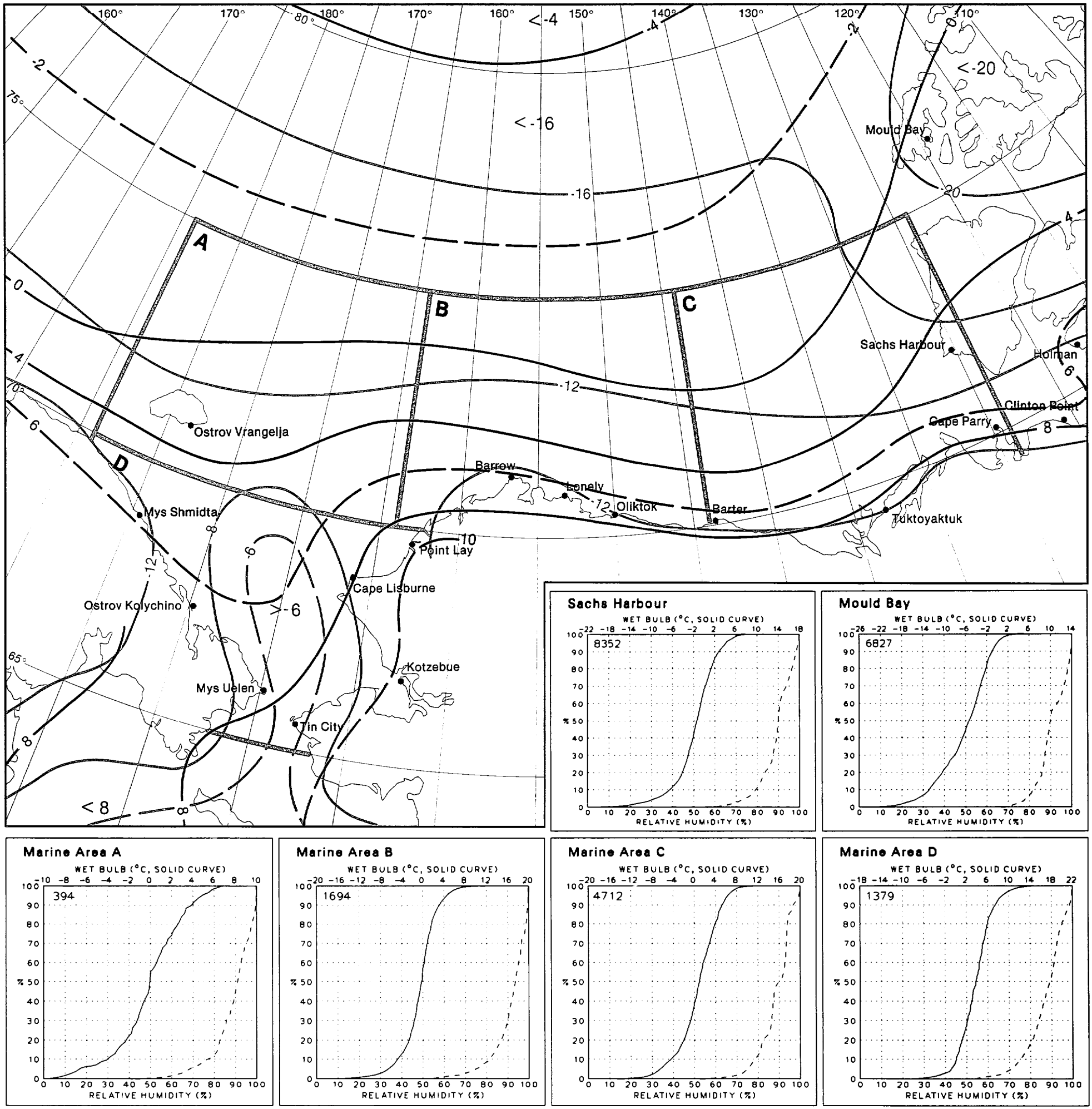

Barter
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
15617
% 50
RELATIVE HUMIDITY (%)

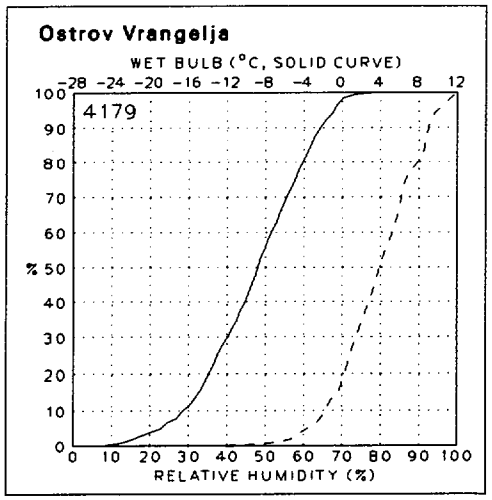

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-18 -14 -10 -6 -2 2 6 10 14 18 22
2519
% 50
RELATIVE HUMIDITY (%)

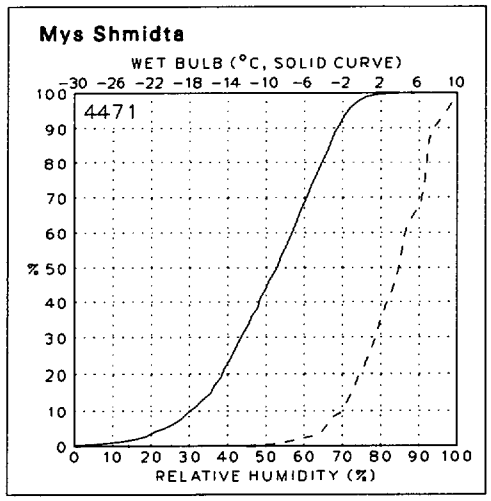

Cape Parry
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
16800
% 50
RELATIVE HUMIDITY (%)

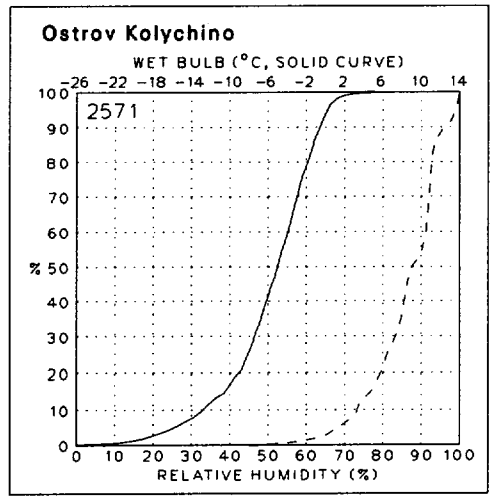

Clinton Point
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
3694
% 50
RELATIVE HUMIDITY (%)

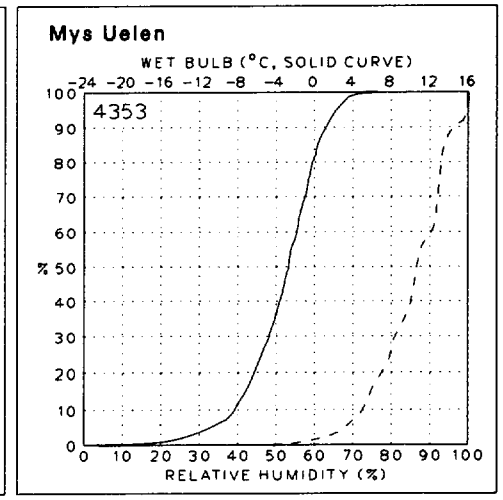

Holman
WET BULB (°C, SOLID CURVE)
-20 -16 -12 -8 -4 0 4 8 12 16 20
2400
% 50
RELATIVE HUMIDITY (%)

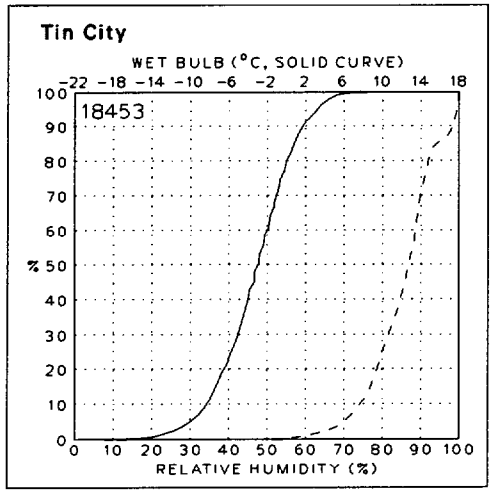

A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
<-4
<-16
<-20
>-6
<8
Sachs Harbour
8352
Mould Bay
6827
Marine Area A
394
Marine Area B
1694
Marine Area C
4712
Marine Area D
1379
WET BULB (°C, SOLID CURVE)
RELATIVE HUMIDITY (%)

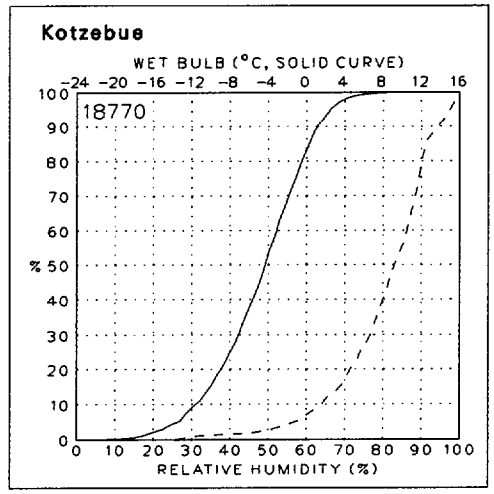

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
4179
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

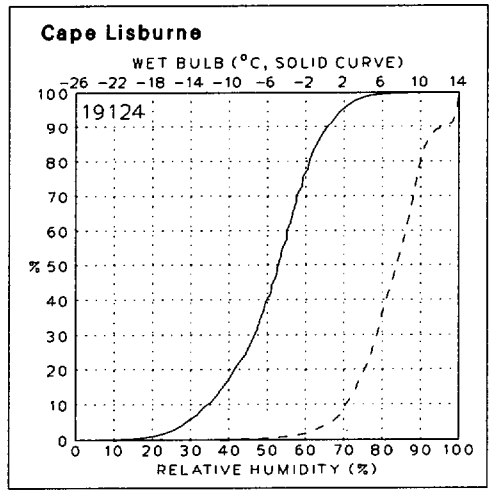

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-30 -26 -22 -18 -14 -10 -6 -2 2 6 10
4471
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

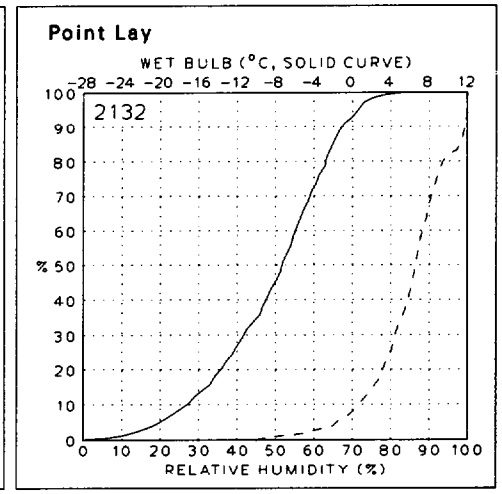

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
2571
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

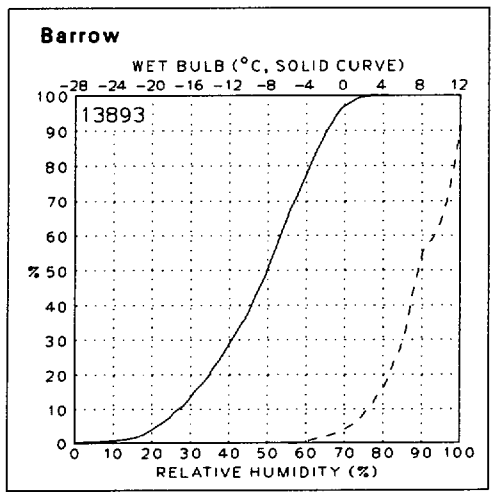

Mys Uelen
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
4353
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

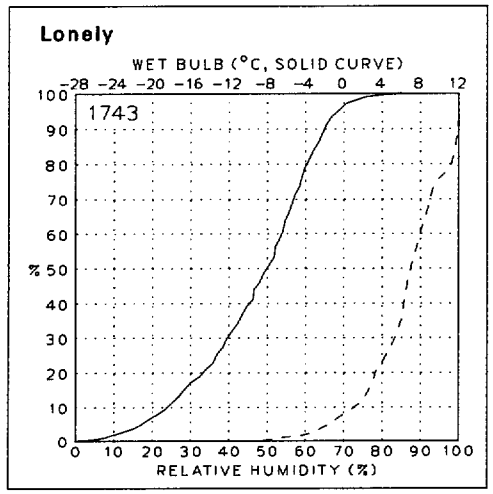

Tin City
WET BULB (°C, SOLID CURVE)
-22 -18 -14 -10 -6 -2 2 6 10 14 18
18453
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

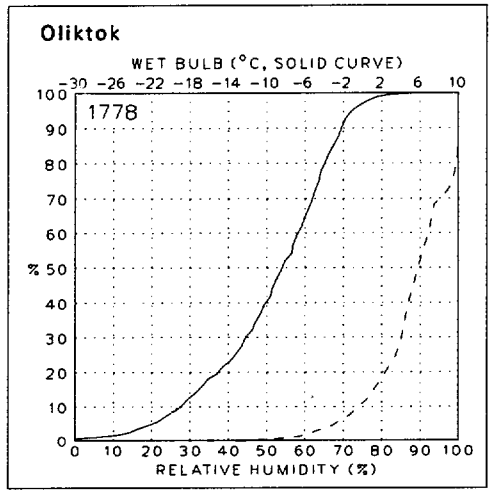

Kotzebue
WET BULB (°C, SOLID CURVE)
-24 -20 -16 -12 -8 -4 0 4 8 12 16
18770
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

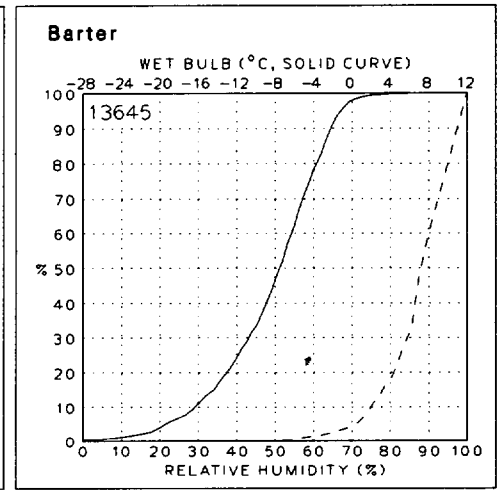

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
19124
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

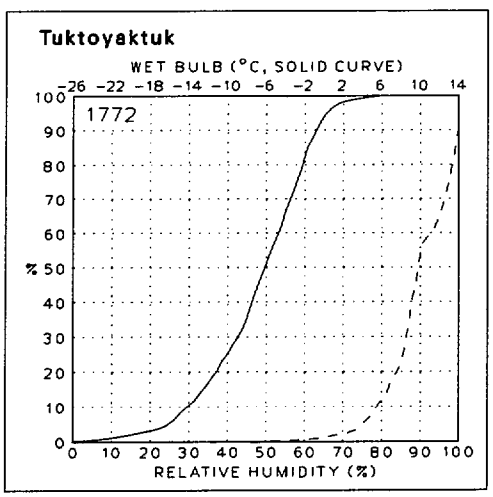

Point Lay
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
2132
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

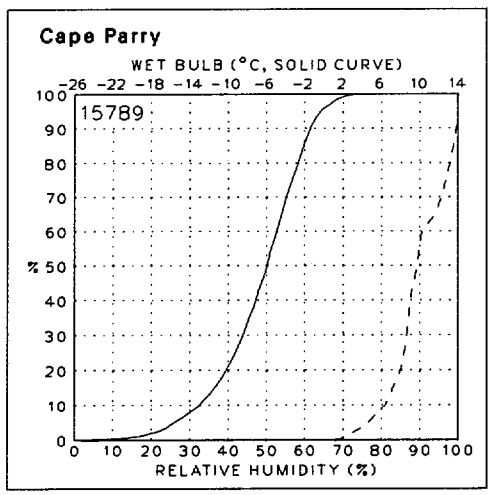

Barrow
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
13893
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

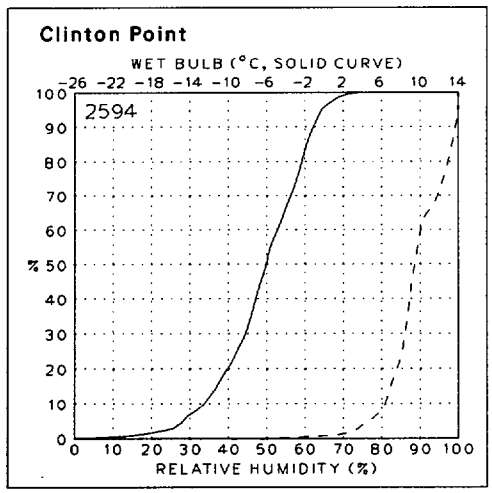

Lonely
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
1743
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

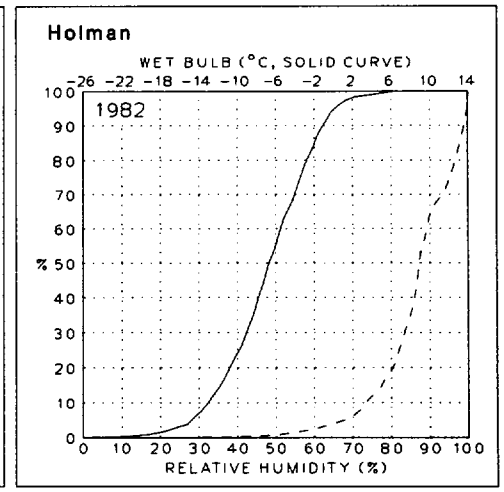

Oliktok
WET BULB (°C, SOLID CURVE)
-30 -26 -22 -18 -14 -10 -6 -2 2 6 10
1778
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

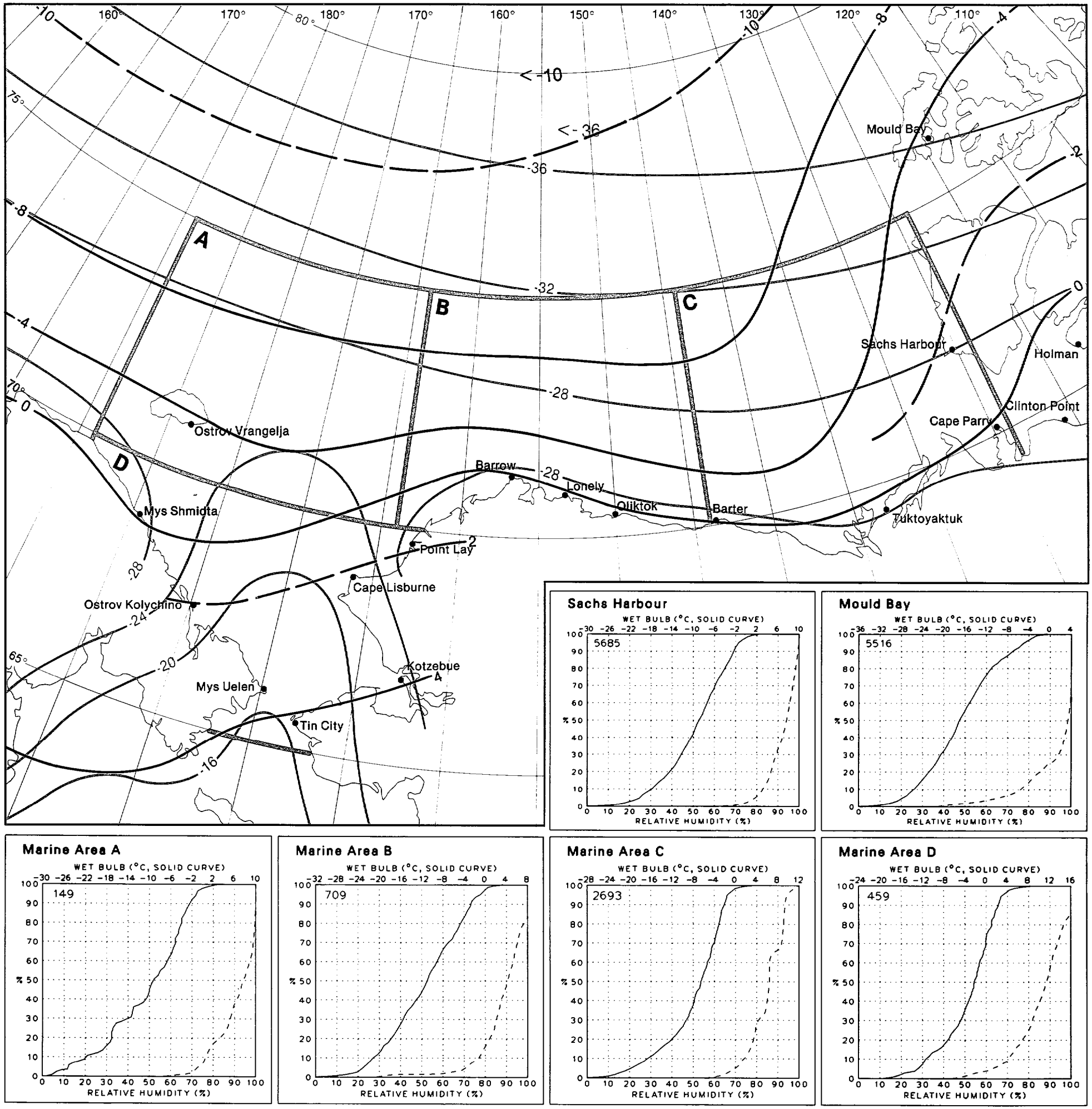

Barter
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
13645
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

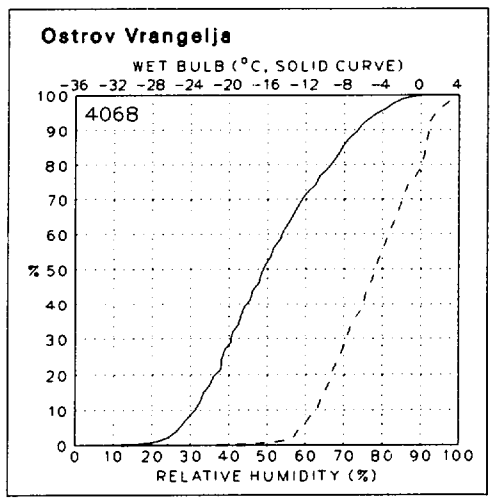

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
1772
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

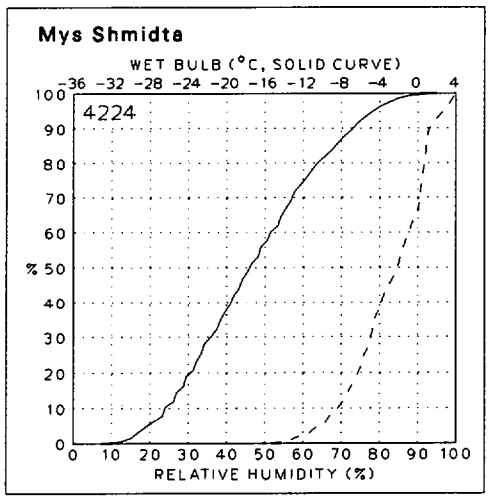

Cape Parry
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
15789
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

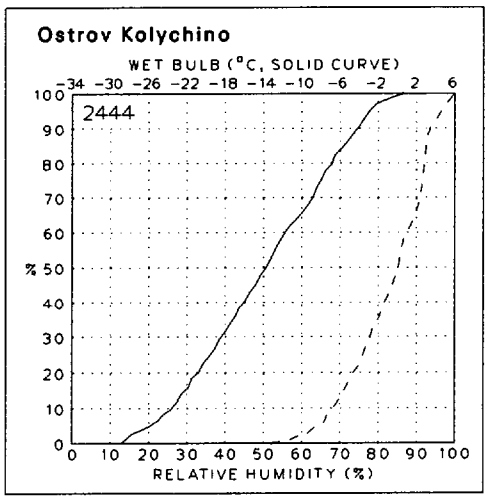

Clinton Point
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
2594
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

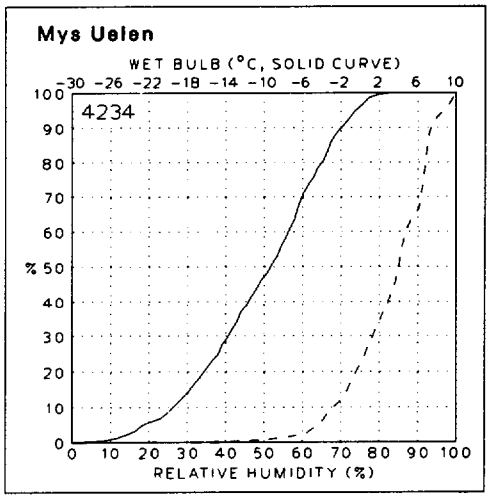

Holman
WET BULB (°C, SOLID CURVE)
-26 -22 -18 -14 -10 -6 -2 2 6 10 14
1982
% 50
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

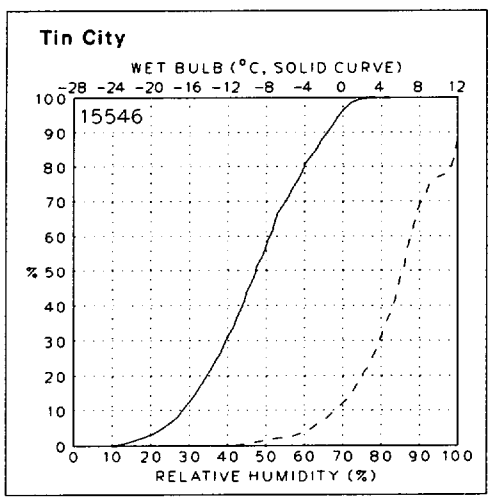

A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
5685
Mould Bay
5516
Marine Area A
149
Marine Area B
709
Marine Area C
2693
Marine Area D
459
WET BULB (°C, SOLID CURVE)
RELATIVE HUMIDITY (%)

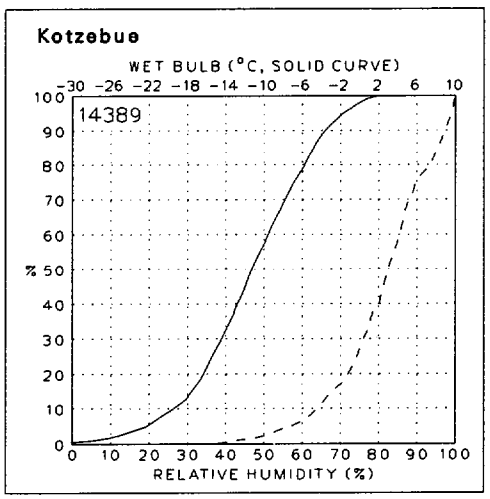

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
4068
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

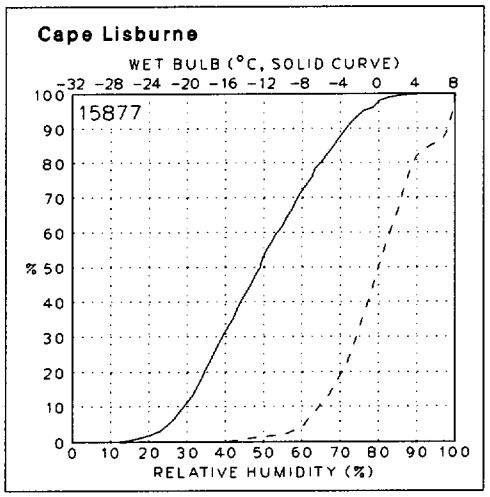

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
4224
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

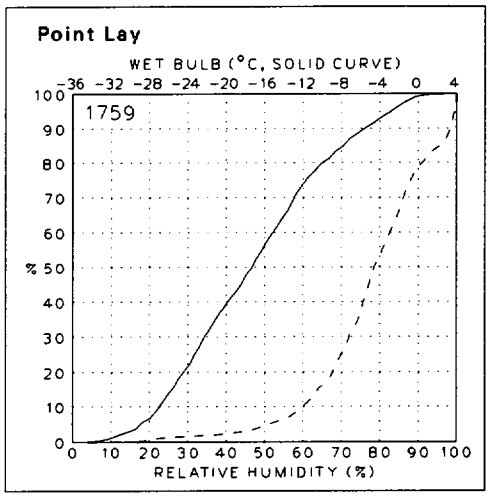

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
2444
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

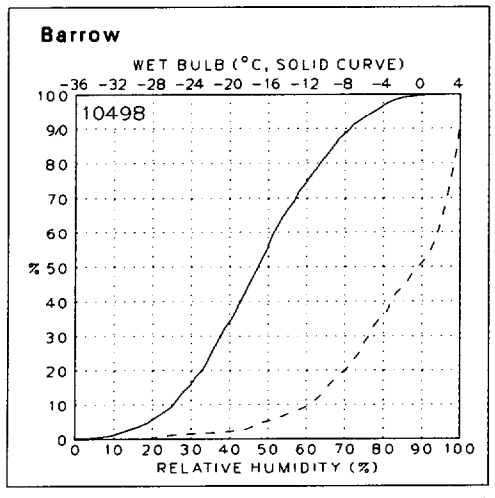

Mys Uelen
WET BULB (°C, SOLID CURVE)
-30 -26 -22 -18 -14 -10 -6 -2 2 6 10
4234
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

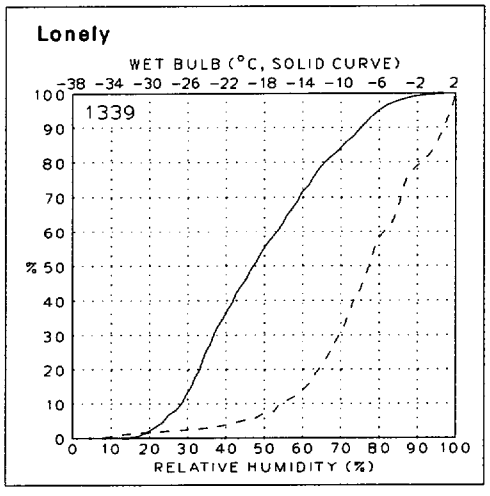

Tin City
WET BULB (°C, SOLID CURVE)
-28 -24 -20 -16 -12 -8 -4 0 4 8 12
15546
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

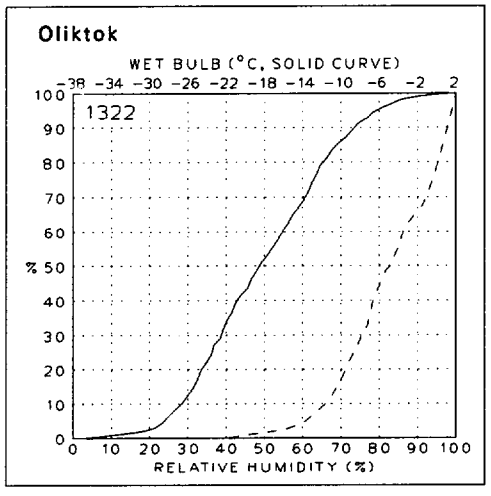

Kotzebue
WET BULB (°C, SOLID CURVE)
-30 -26 -22 -18 -14 -10 -6 -2 2 6 10
14389
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

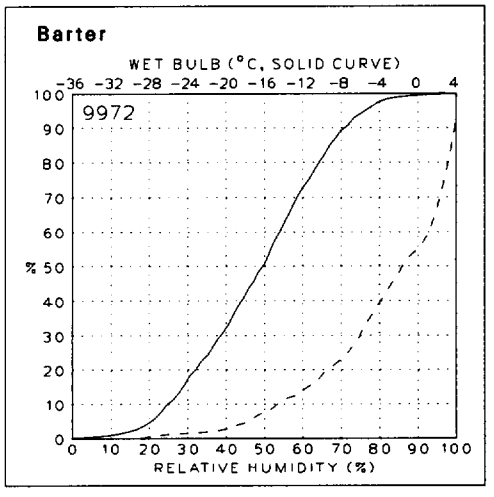

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-32 -28 -24 -20 -16 -12 -8 -4 0 4 8
15877
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

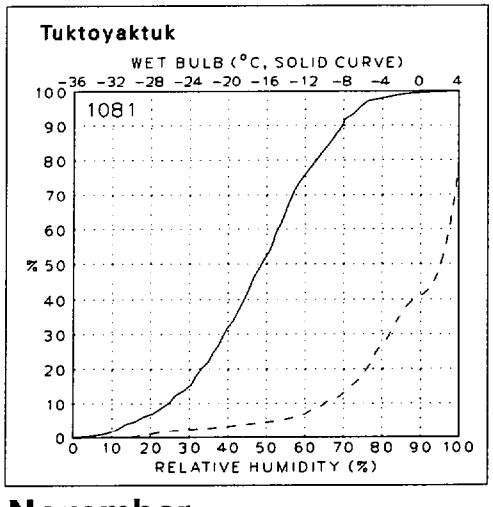

Point Lay
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
1759
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

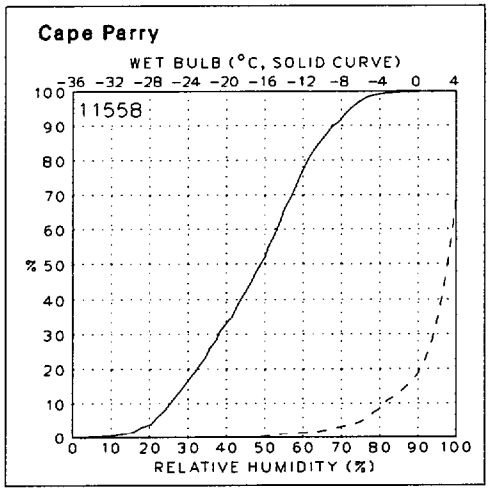

Barrow
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
10498
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

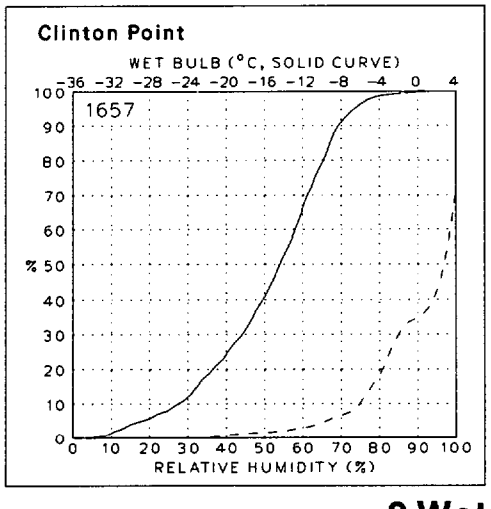

Lonely
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
1339
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

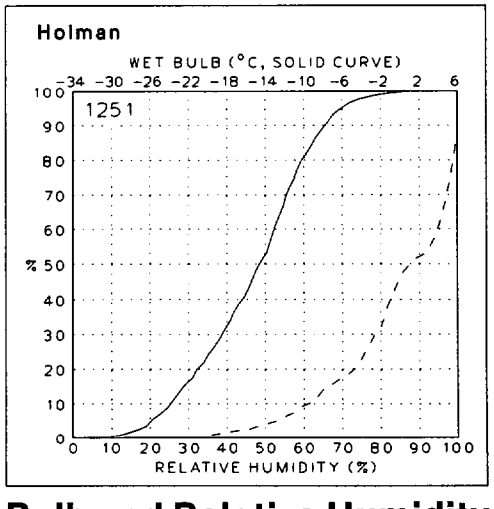

Oliktok
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
1322
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

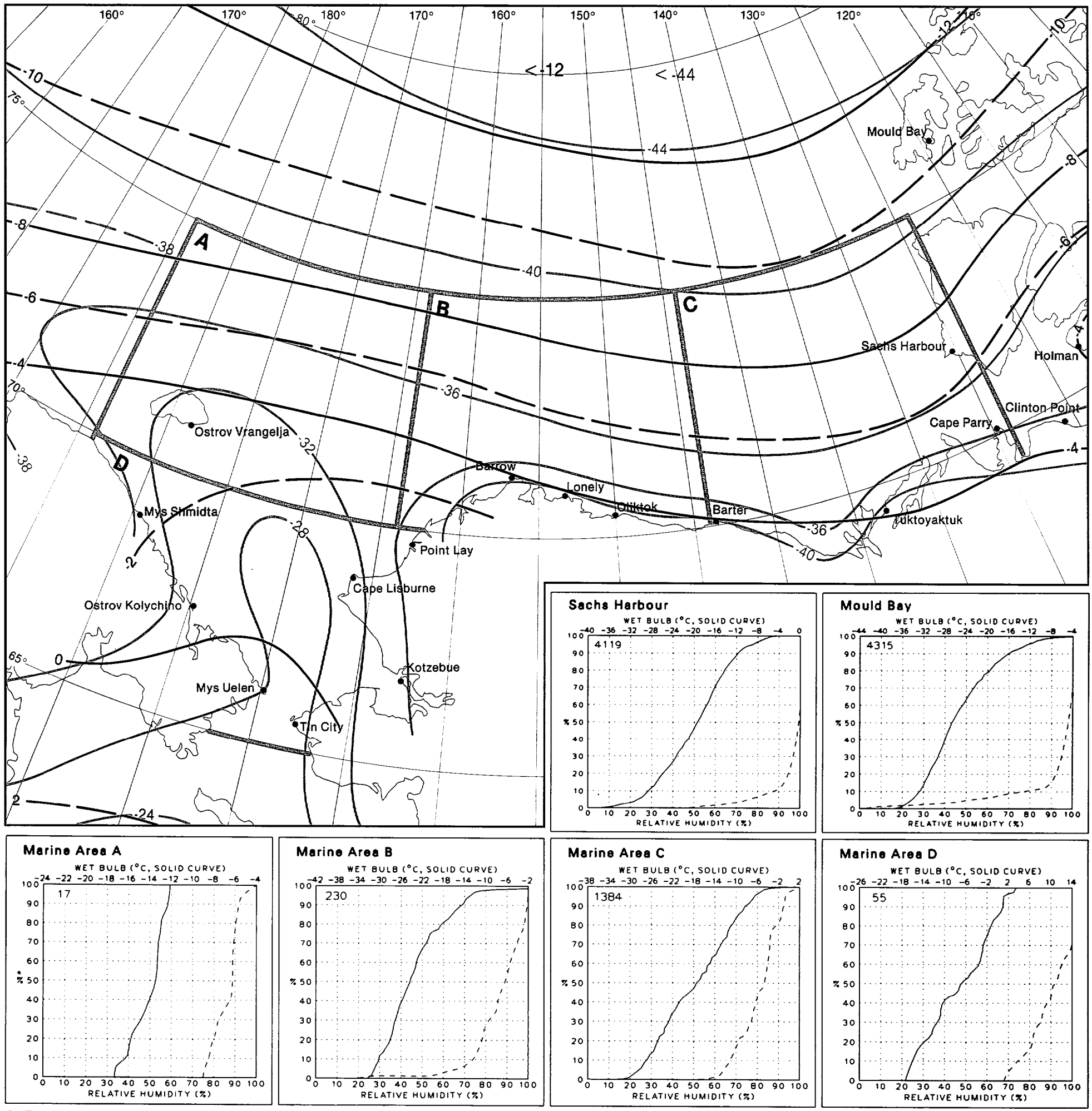

Barter
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
9972
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

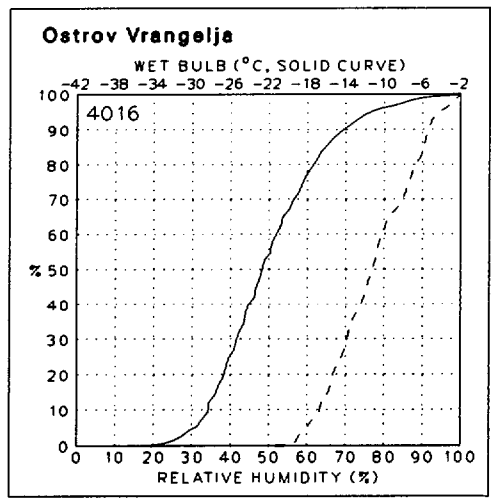

Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
1081
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

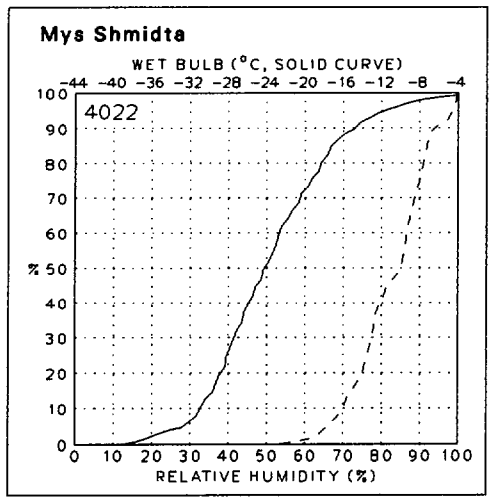

Cape Parry
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
11558
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

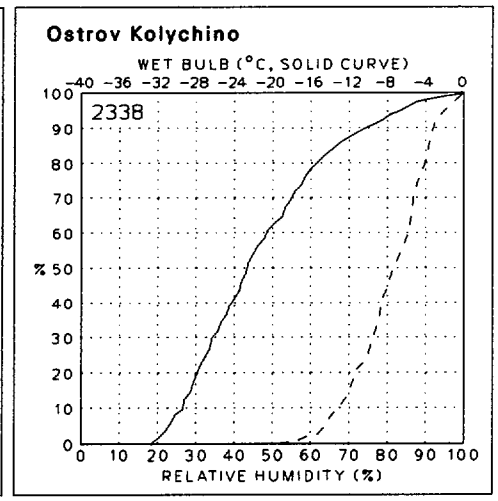

Clinton Point
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
1657
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

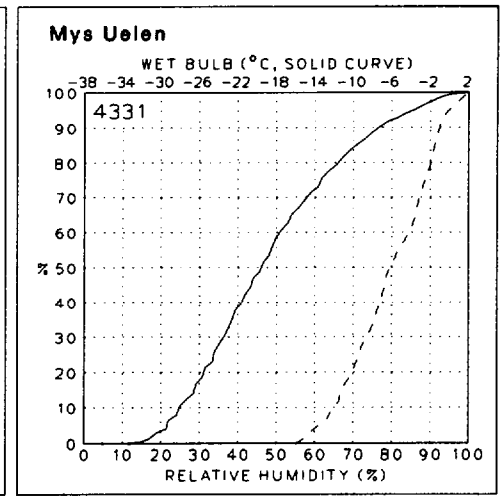

Holman
WET BULB (°C, SOLID CURVE)
-34 -30 -26 -22 -18 -14 -10 -6 -2 2 6
1251
% 100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
RELATIVE HUMIDITY (%)

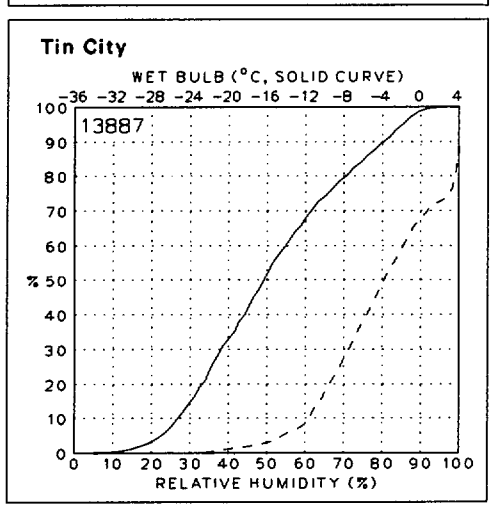

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Uktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
<-12
< -44
Sachs Harbour
4119
Mould Bay
4315
Marine Area A
17
Marine Area B
230
Marine Area C
1384
Marine Area D
55
WET BULB (°C, SOLID CURVE)
RELATIVE HUMIDITY (%)

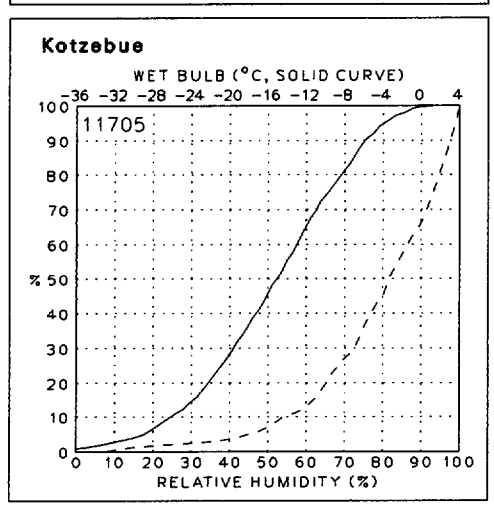

Ostrov Vrangelja
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
4016
% 50
RELATIVE HUMIDITY (%)

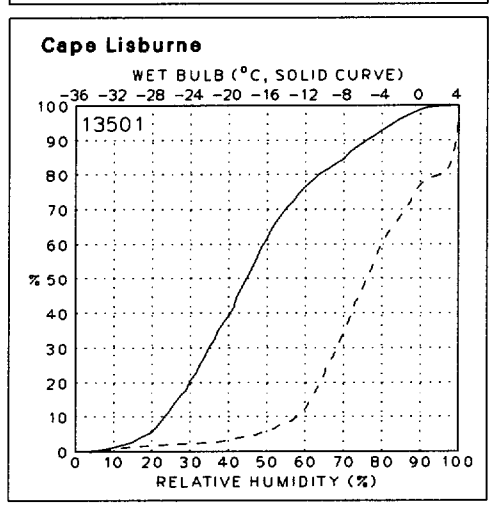

Mys Shmidta
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
4022
% 50
RELATIVE HUMIDITY (%)

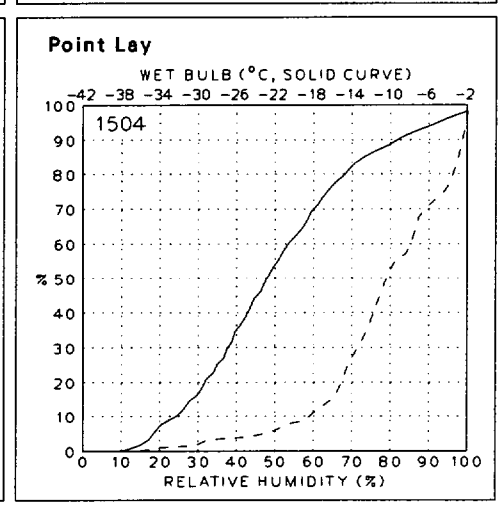

Ostrov Kolychino
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
2338
% 50
RELATIVE HUMIDITY (%)

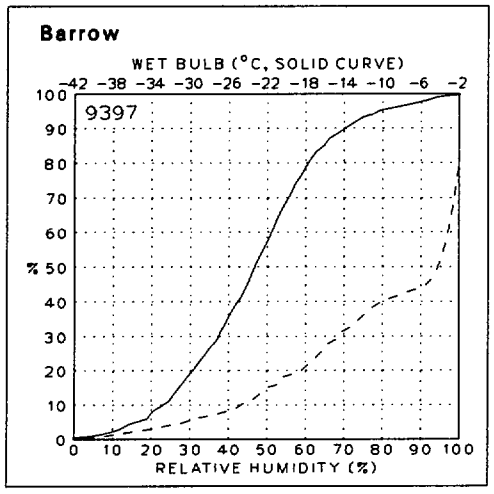

Mys Uelen
WET BULB (°C, SOLID CURVE)
-38 -34 -30 -26 -22 -18 -14 -10 -6 -2 2
4331
% 50
RELATIVE HUMIDITY (%)

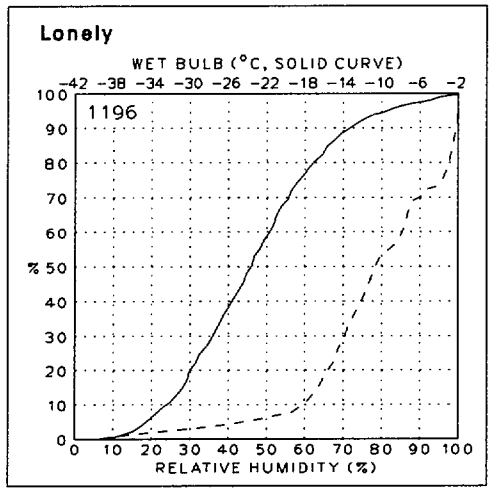

Tin City
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
13887
% 50
RELATIVE HUMIDITY (%)

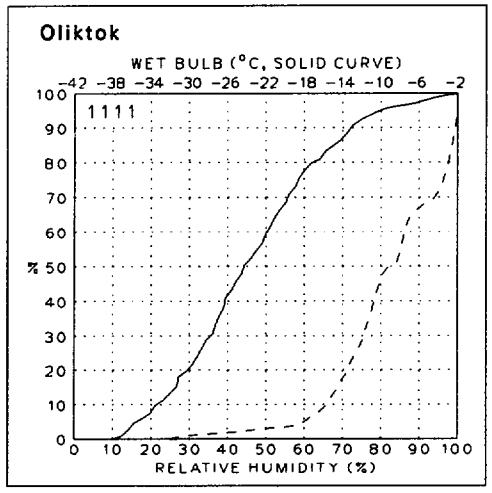

Kotzebue
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
11705
% 50
RELATIVE HUMIDITY (%)

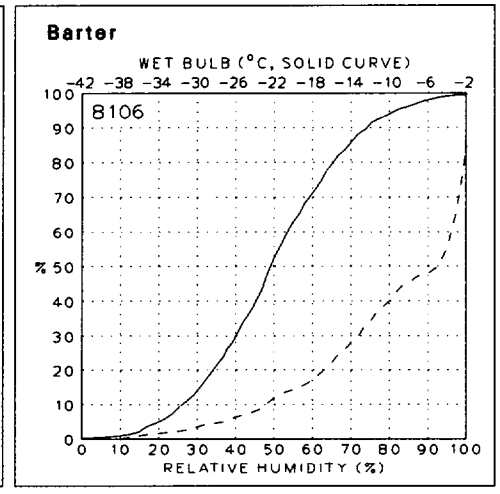

Cape Lisburne
WET BULB (°C, SOLID CURVE)
-36 -32 -28 -24 -20 -16 -12 -8 -4 0 4
13501
% 50
RELATIVE HUMIDITY (%)

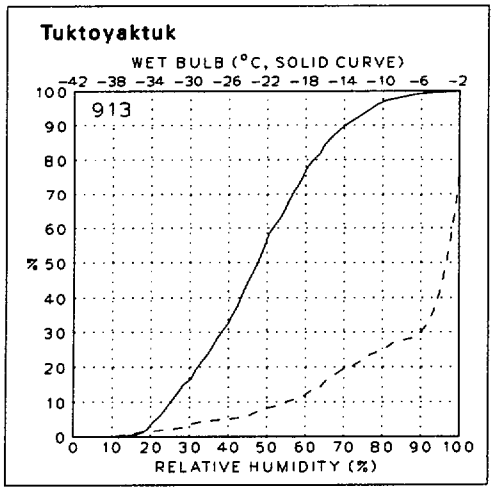

Point Lay
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
1504
% 50
RELATIVE HUMIDITY (%)

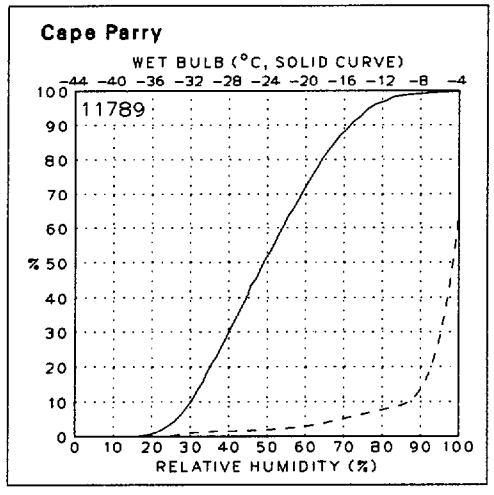

Barrow
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
9397
% 50
RELATIVE HUMIDITY (%)

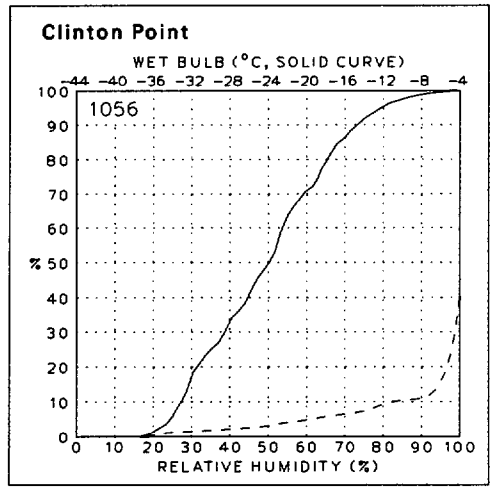

Lonely
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
1196
% 50
RELATIVE HUMIDITY (%)

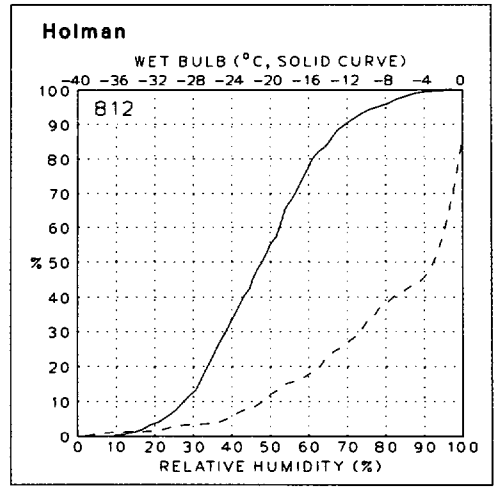

Oliktok
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
1111
% 50
RELATIVE HUMIDITY (%)

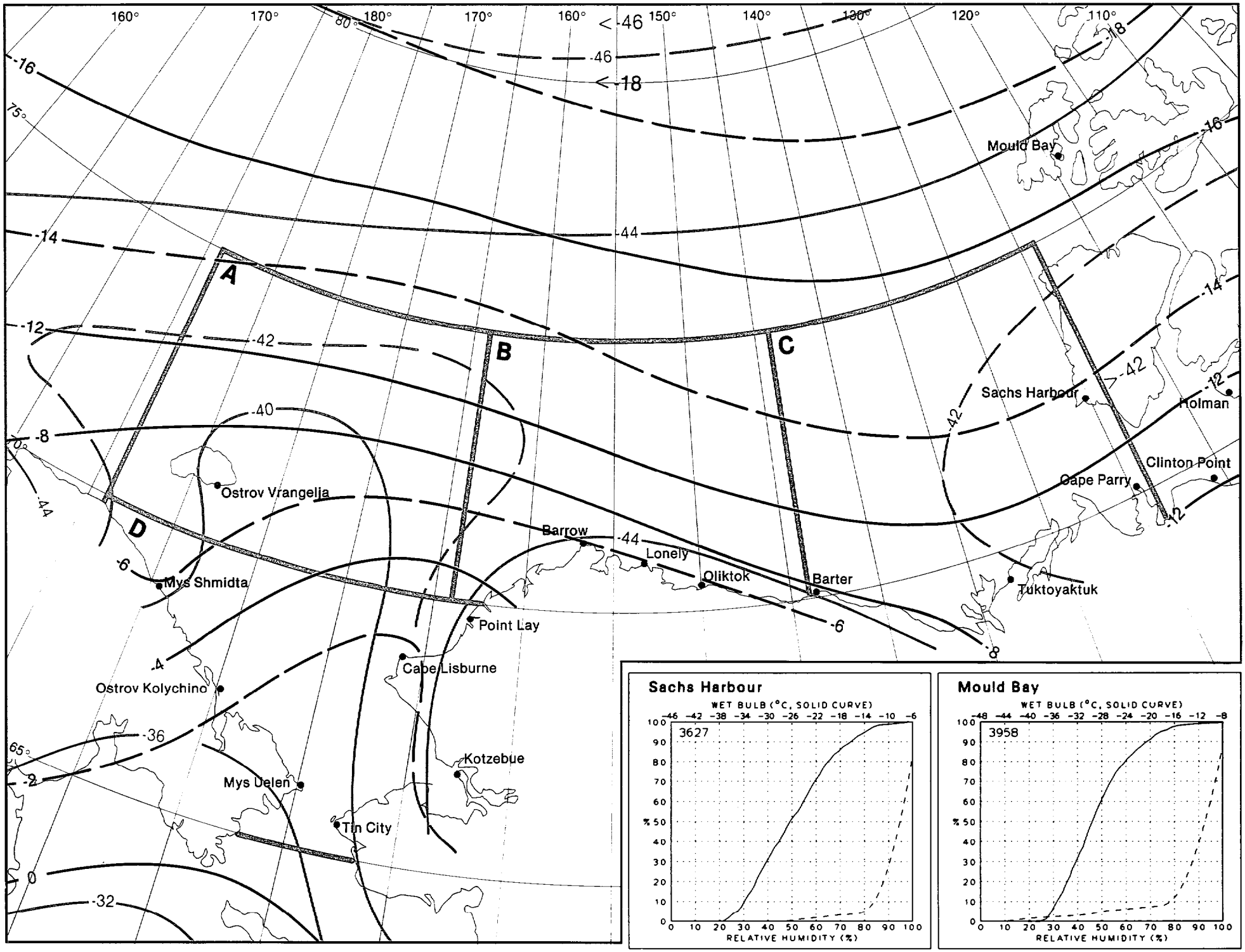

Barter
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
8106
% 50
RELATIVE HUMIDITY (%)


Tuktoyaktuk
WET BULB (°C, SOLID CURVE)
-42 -38 -34 -30 -26 -22 -18 -14 -10 -6 -2
913
% 50
RELATIVE HUMIDITY (%)


Cape Parry
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
11789
% 50
RELATIVE HUMIDITY (%)


Clinton Point
WET BULB (°C, SOLID CURVE)
-44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4
1056
% 50
RELATIVE HUMIDITY (%)


Holman
WET BULB (°C, SOLID CURVE)
-40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0
812
% 50
RELATIVE HUMIDITY (%)

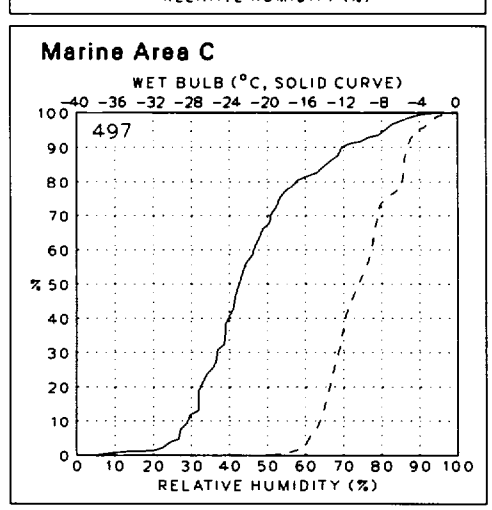


Marine Area A

No Data Available

Marine Area B

No Data Available

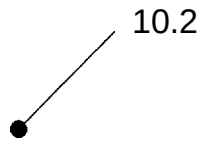


Marine Area D

No Data Available

Map 10. Mean sea level pressure and vector mean wind

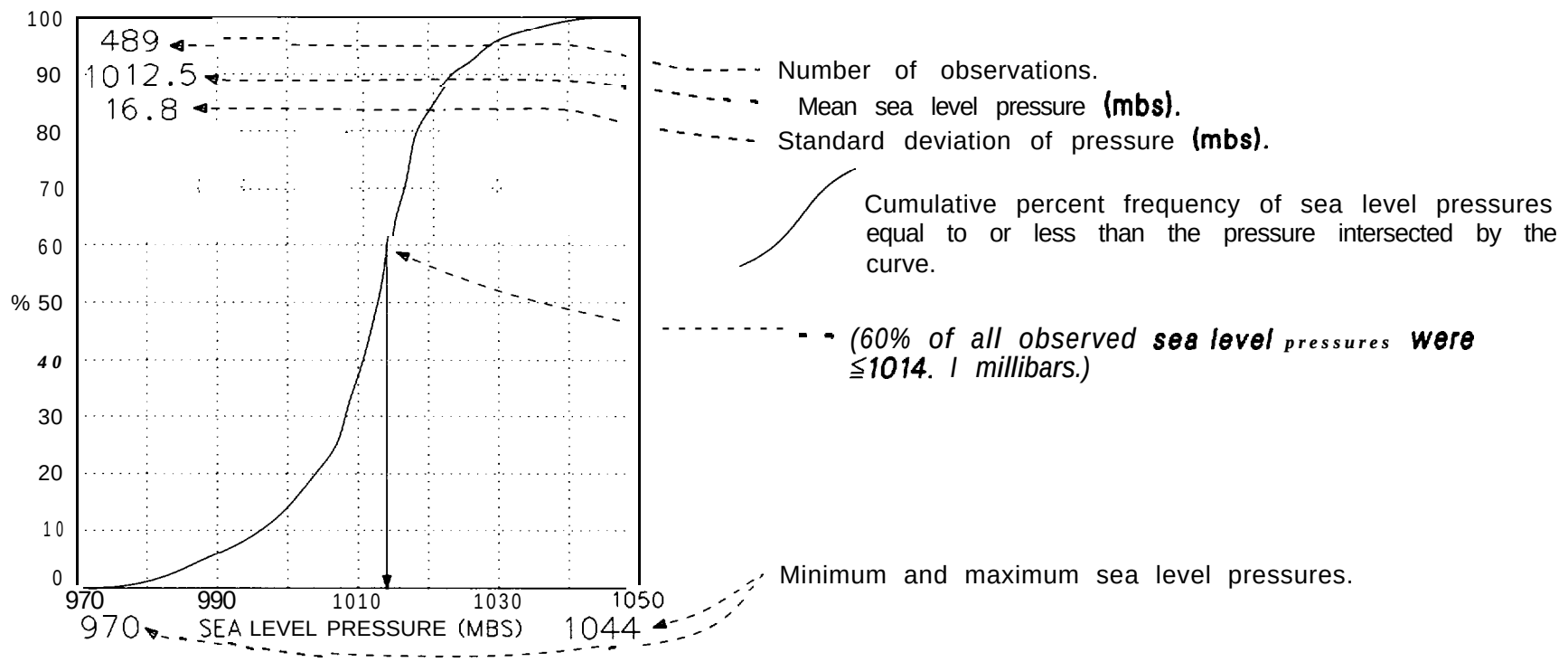
BLACK LINE – Mean sea level pressure (millibars).



Direction of flow toward station dot; vector magnitude in knots (example: vector mean wind is from northeast at 10.2 knots or 11.7 mph).

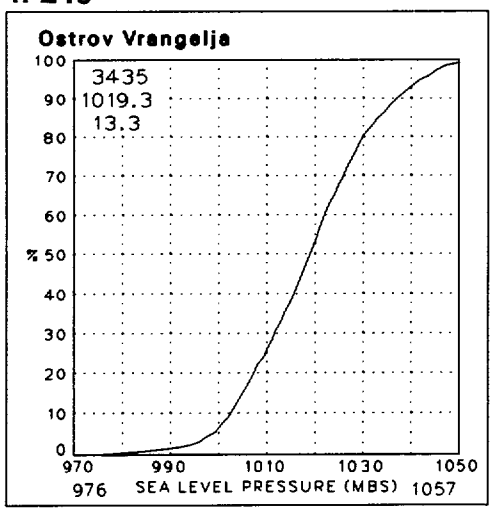
Albers Equal-Area Conic Projection

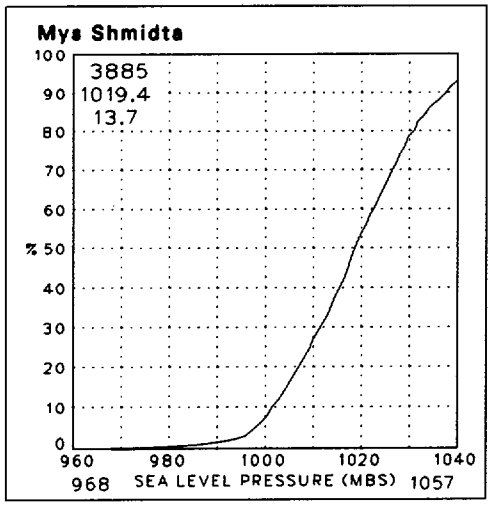
Graphs: Sea level pressure

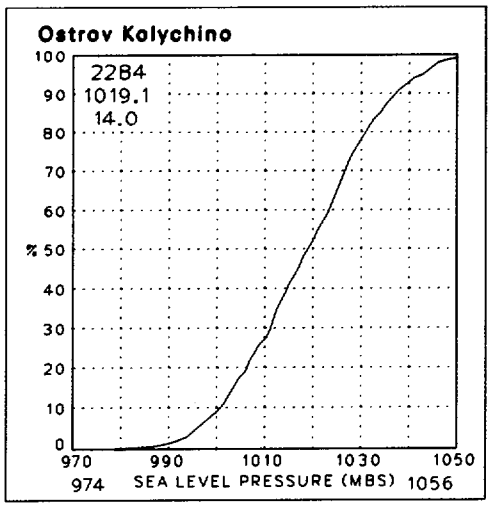


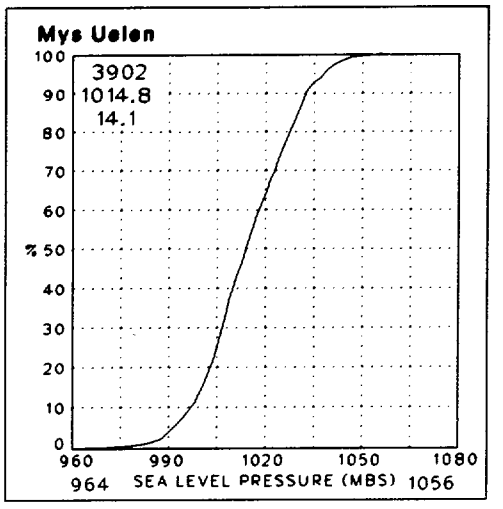
Sea level pressure is one of the most frequently recorded elements, but one of the least accurate because of instrument calibration and coding errors. Despite the inaccuracies of the individual readings, the large-scale patterns and mean gradients of the isopleth analyses are relatively accurate. The percentage of sea level pressure observations greater than a given value can be obtained from the graph by subtracting the cumulative percent frequency of that value from 100%.

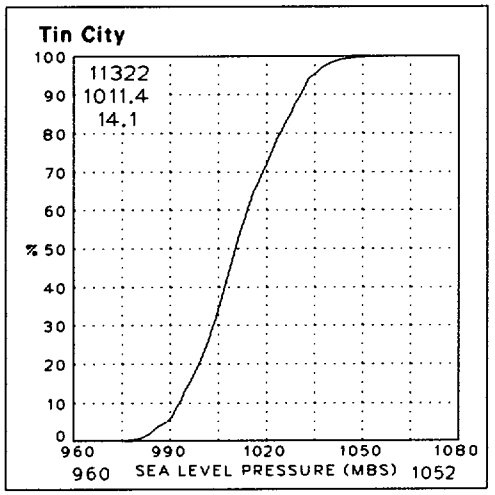
In areas of high persistence (also called constancy, steadiness) of direction, the magnitude of the vector mean wind (Set 10) should closely approach that of the scalar mean wind (Set 13).

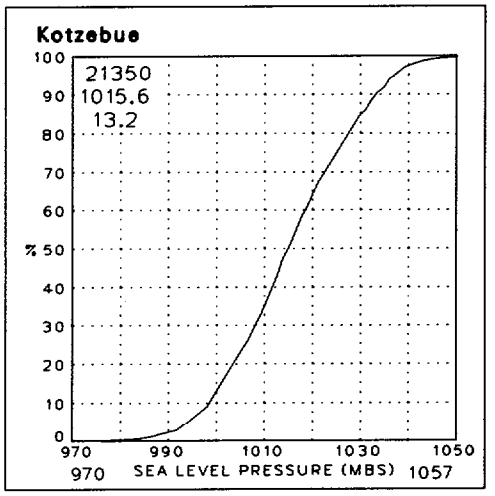

Ostrov Vrangelja
3435
1019.3
13.3
% 50
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1057

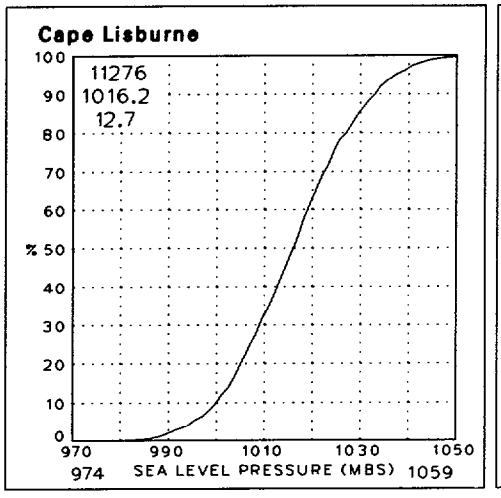

Mys Shmidta
3885
1019.4
13.7
% 50
960 980 1000 1020 1040
968 SEA LEVEL PRESSURE (MBS) 1057

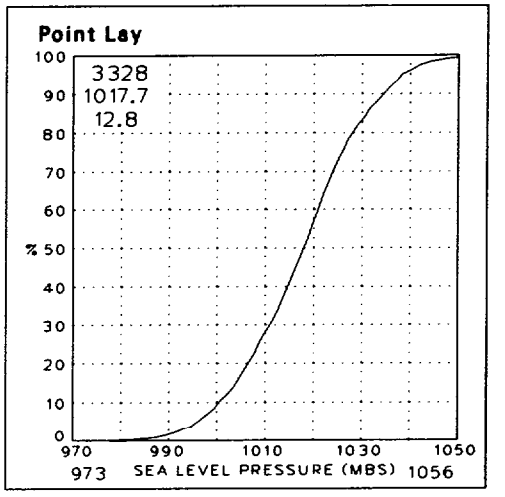

Ostrov Kolychino
2284
1019.1
14.0
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1056

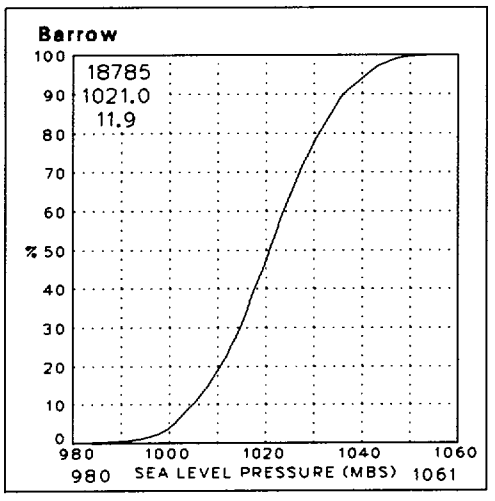

Mys Uelen
3902
1014.8
14.1
% 50
960 990 1020 1050 1080
964 SEA LEVEL PRESSURE (MBS) 1056

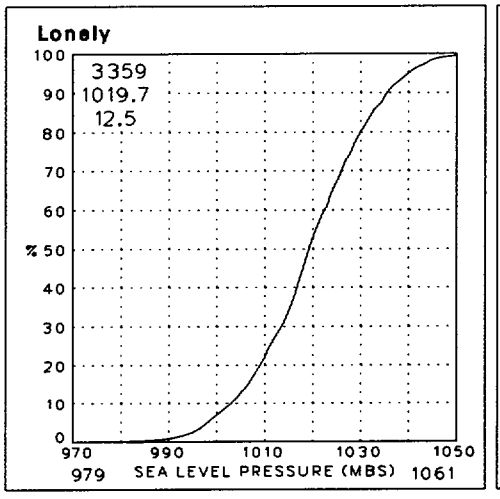

Tin City
11322
1011.4
14.1
% 50
960 990 1020 1050 1080
960 SEA LEVEL PRESSURE (MBS) 1052

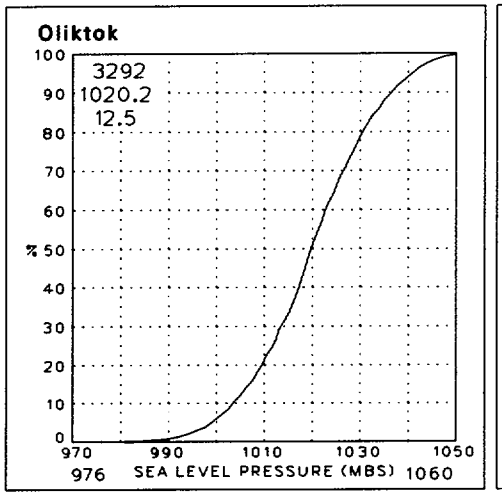

Kotzebue
21350
1015.6
13.2
% 50
970 990 1010 1030 1050
970 SEA LEVEL PRESSURE (MBS) 1057

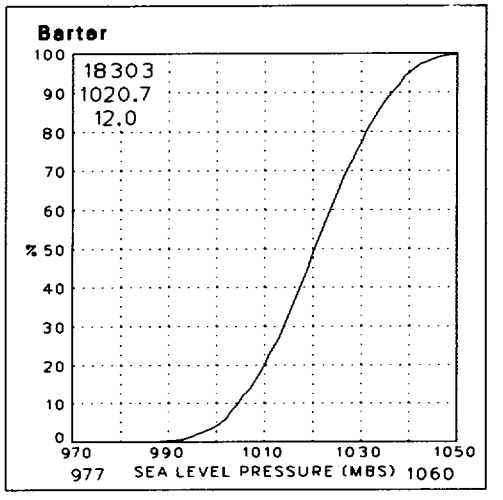

Cape Lisburne
11276
1016.2
12.7
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1059

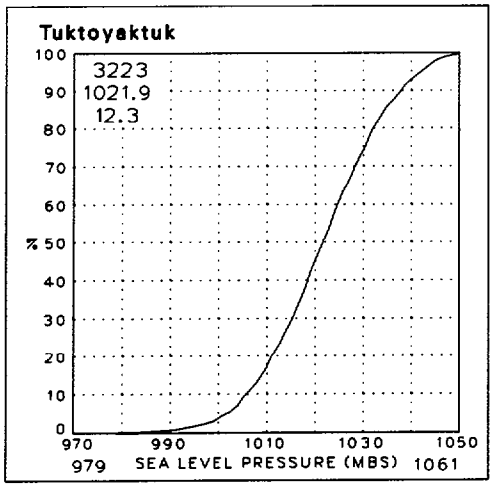

Point Lay
3328
1017.7
12.8
% 50
970 990 1010 1030 1050
973 SEA LEVEL PRESSURE (MBS) 1056

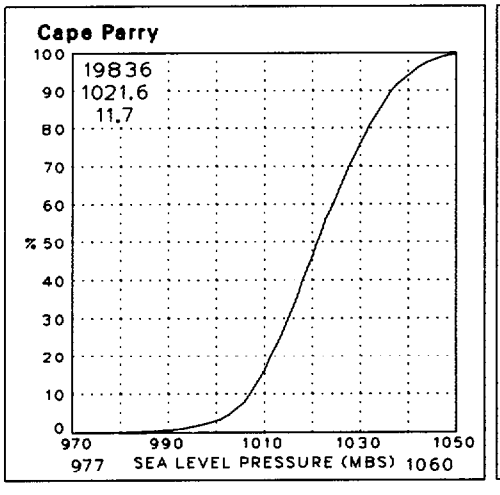

Barrow
18785
1021.0
11.9
% 50
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1061

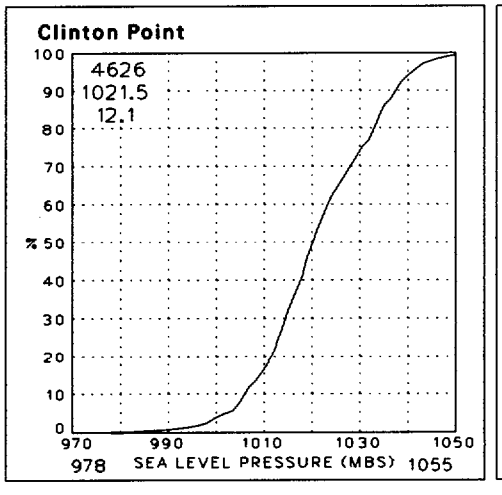

Lonely
3359
1019.7
12.5
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1061

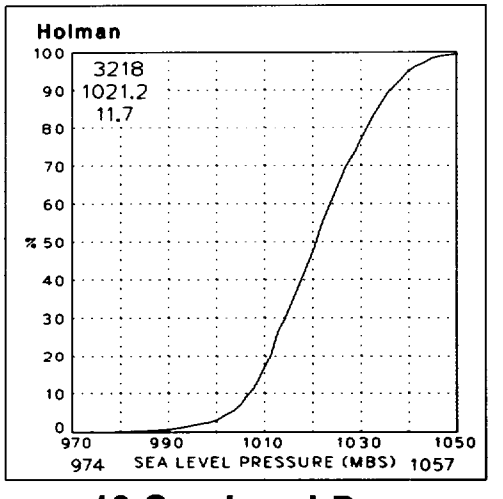

Oliktok
3292
1020.2
12.5
% 50
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1060

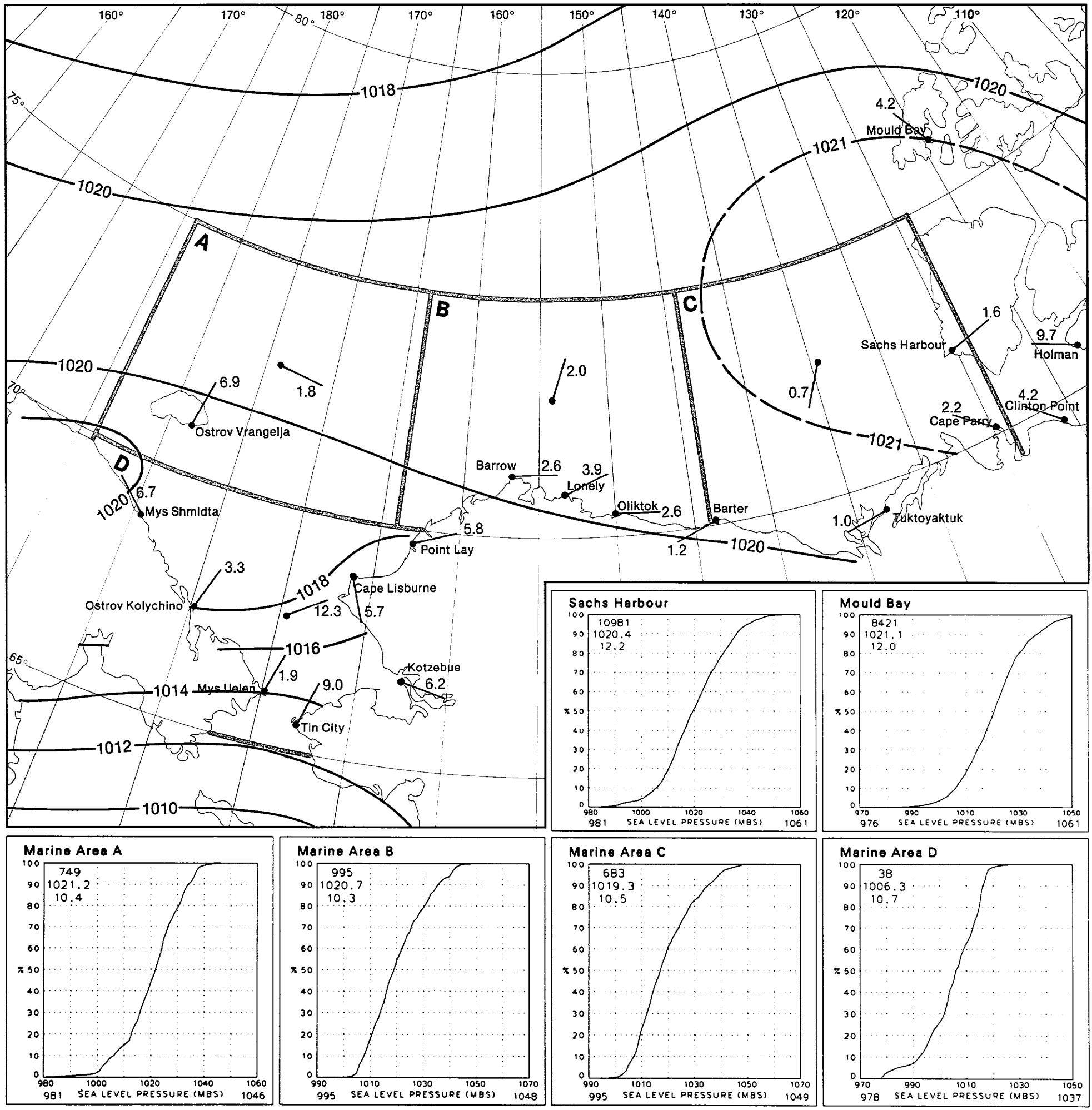

Barter
18303
1020.7
12.0
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1060


Tuktoyaktuk
3223
1021.9
12.3
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1061

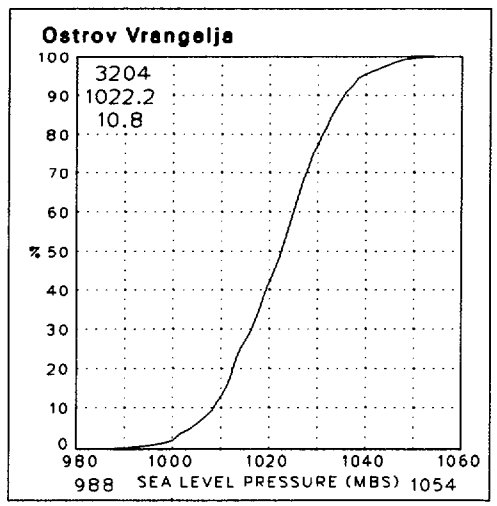

Cape Parry
19836
1021.6
11.7
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1060

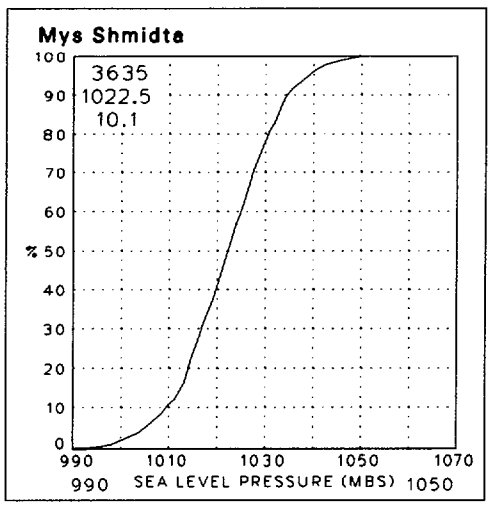

Clinton Point
4626
1021.5
12.1
% 50
970 990 1010 1030 1050
978 SEA LEVEL PRESSURE (MBS) 1055

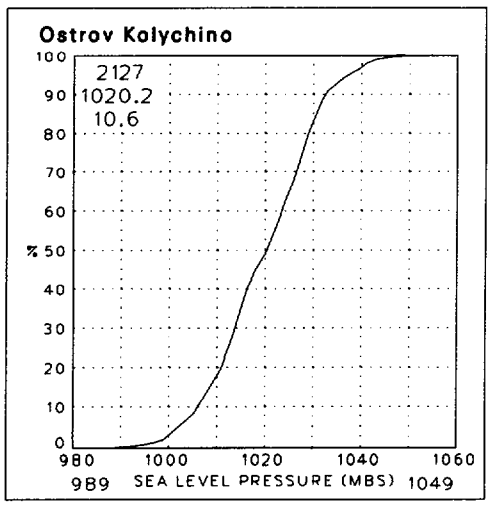

Holman
3218
1021.2
11.7
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1057

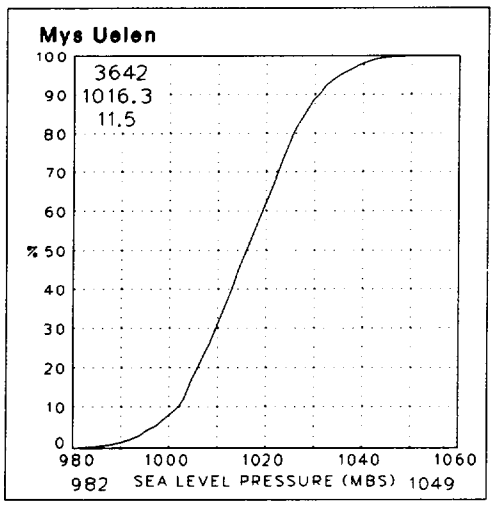


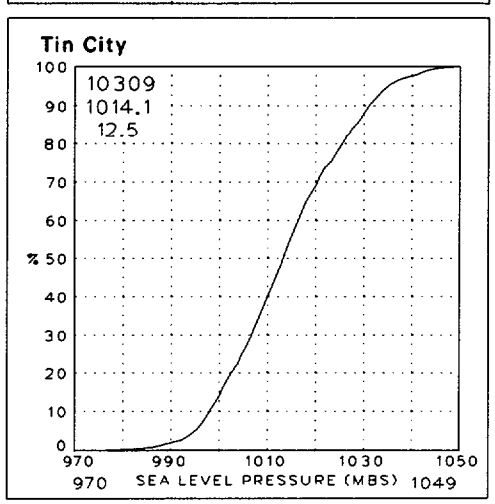
10 Mean Sea Level Pressure and Vector Mean Wind **January**

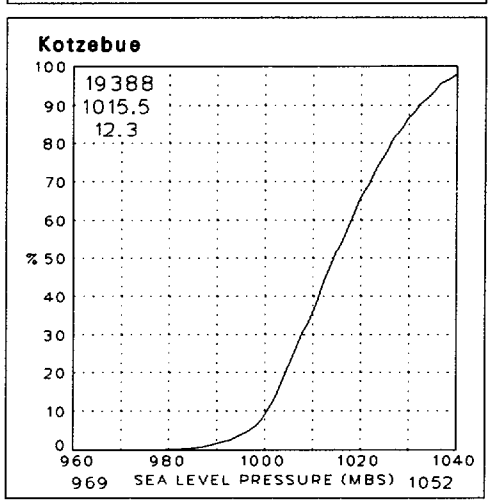

Ostrov Vrangelja
3204
1022.2
10.8
% 50
988 SEA LEVEL PRESSURE (MBS) 1054

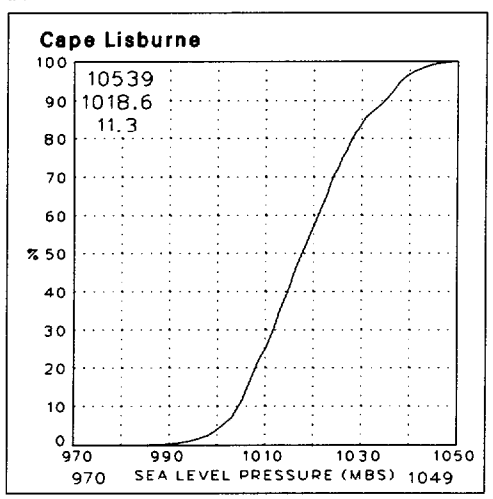

Mys Shmidta
3635
1022.5
10.1
% 50
990 SEA LEVEL PRESSURE (MBS) 1050

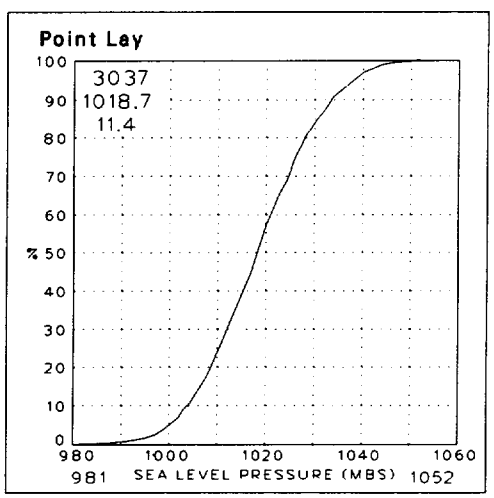

Ostrov Kolychino
2127
1020.2
10.6
% 50
989 SEA LEVEL PRESSURE (MBS) 1049

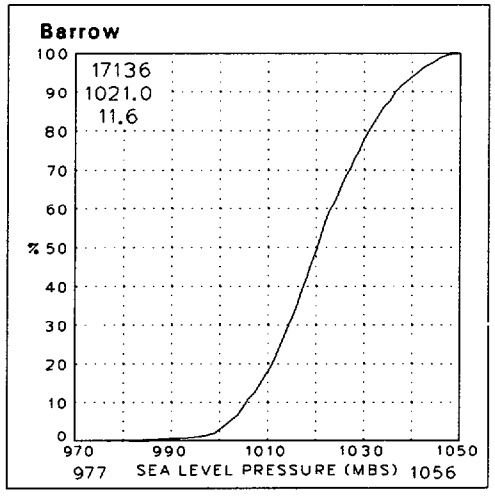

Mys Uelen
3642
1016.3
11.5
% 50
982 SEA LEVEL PRESSURE (MBS) 1049

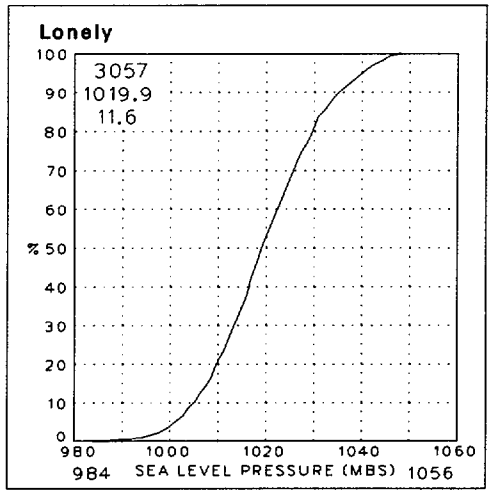

Tin City
10309
1014.1
12.5
% 50
970 SEA LEVEL PRESSURE (MBS) 1049

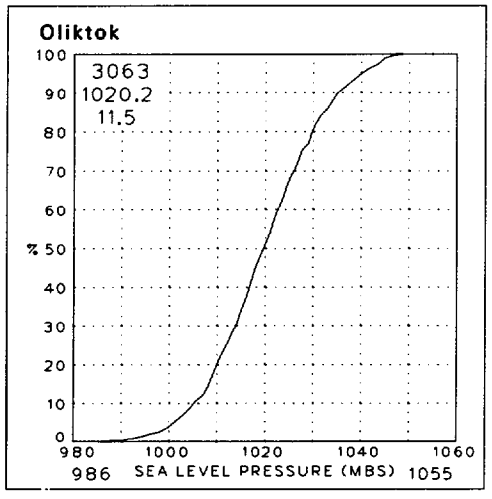

Kotzebue
19388
1015.5
12.3
% 50
969 SEA LEVEL PRESSURE (MBS) 1052

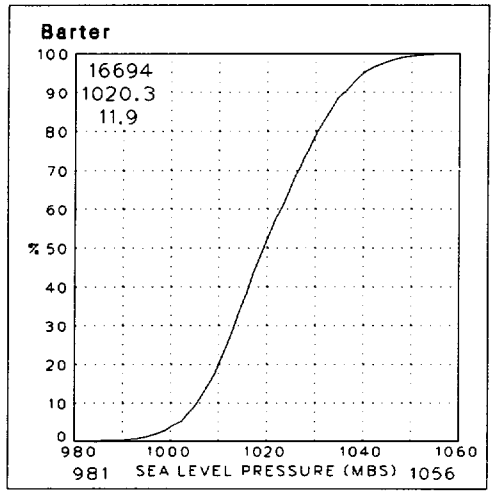

Cape Lisburne
10539
1018.6
11.3
% 50
970 SEA LEVEL PRESSURE (MBS) 1049

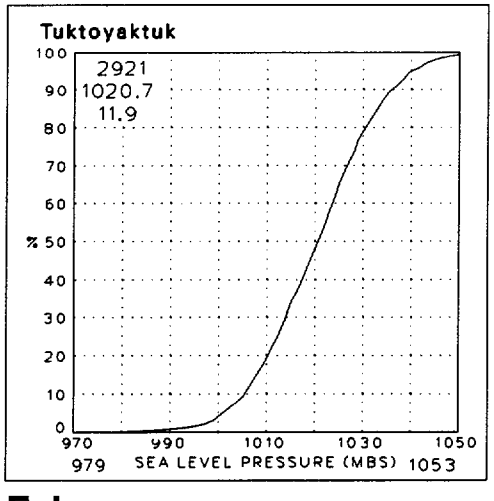

Point Lay
3037
1018.7
11.4
% 50
981 SEA LEVEL PRESSURE (MBS) 1052

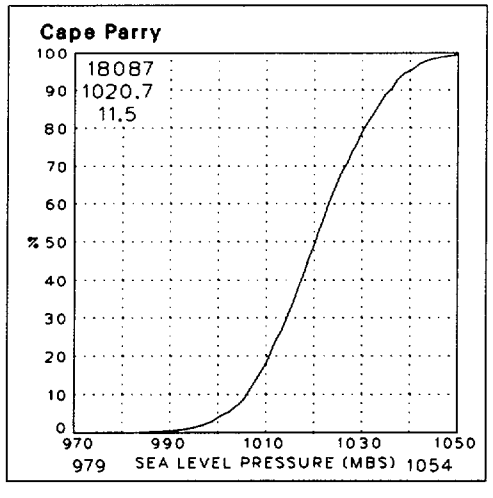

Barrow
17136
1021.0
11.6
% 50
977 SEA LEVEL PRESSURE (MBS) 1056

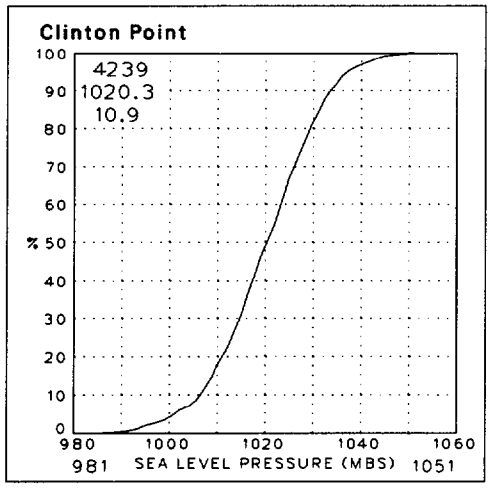

Lonely
3057
1019.9
11.6
% 50
984 SEA LEVEL PRESSURE (MBS) 1056

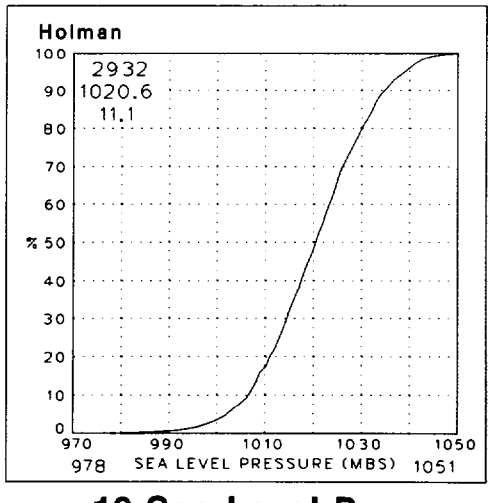

Oliktok
3063
1020.2
11.5
% 50
986 SEA LEVEL PRESSURE (MBS) 1055

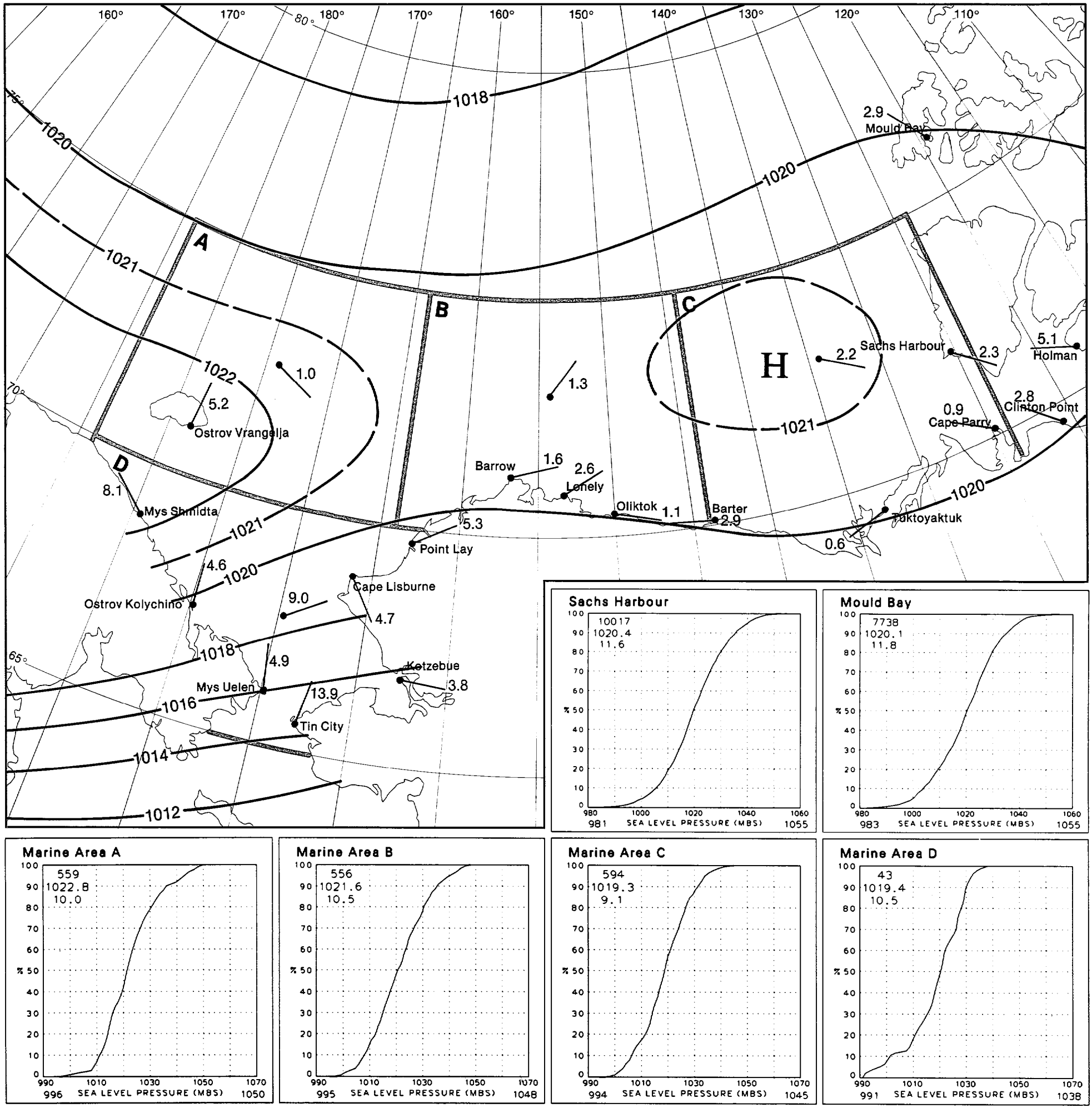

Barter
16694
1020.3
11.9
% 50
981 SEA LEVEL PRESSURE (MBS) 1056


Tuktoyaktuk
2921
1020.7
11.9
% 50
979 SEA LEVEL PRESSURE (MBS) 1053

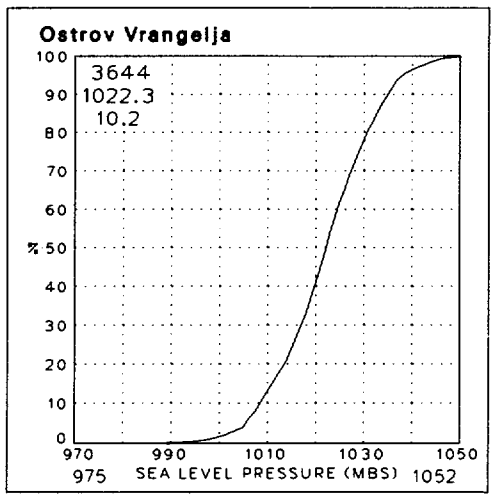

Cape Parry
18087
1020.7
11.5
% 50
979 SEA LEVEL PRESSURE (MBS) 1054

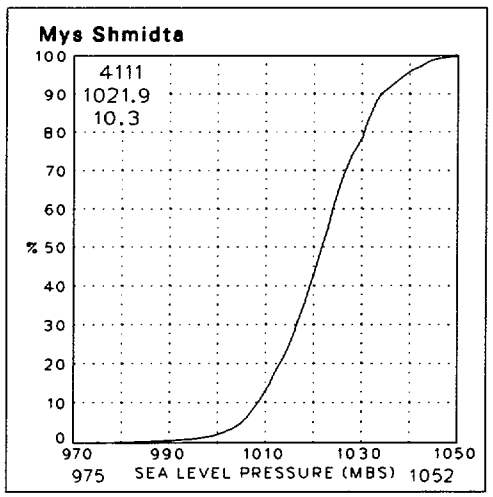

Clinton Point
4239
1020.3
10.9
% 50
981 SEA LEVEL PRESSURE (MBS) 1051

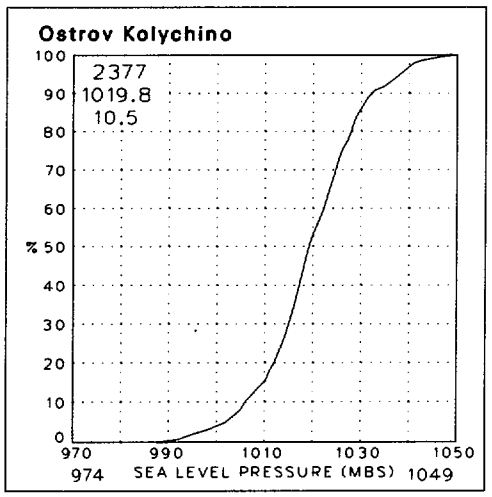

Holman
2932
1020.6
11.1
% 50
978 SEA LEVEL PRESSURE (MBS) 1051

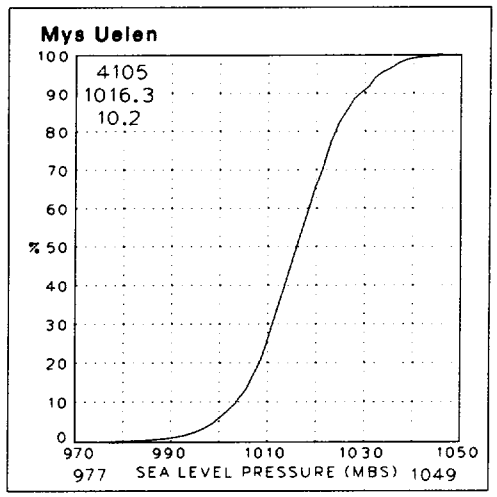


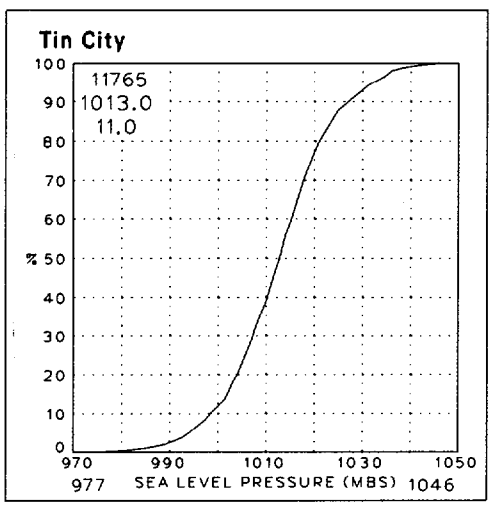
10 Mean Sea Level Pressure and Vector Mean Wind **February**

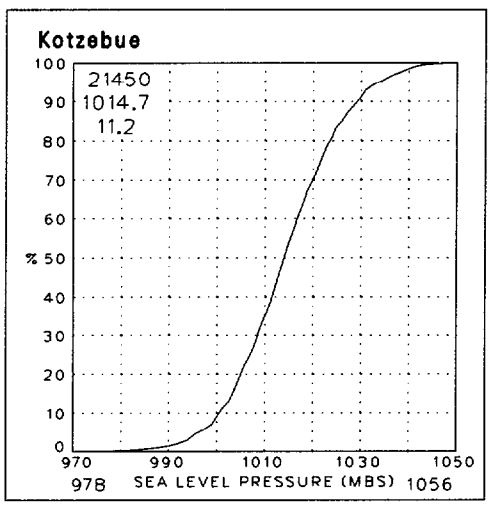

Ostrov Vrangelja
3644
1022.3
10.2
% 50
970 990 1010 1030 1050
975 SEA LEVEL PRESSURE (MBS) 1052

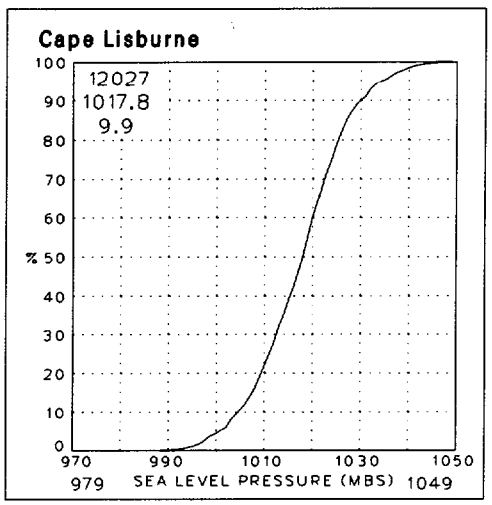

Mys Shmidta
4111
1021.9
10.3
% 50
970 990 1010 1030 1050
975 SEA LEVEL PRESSURE (MBS) 1052

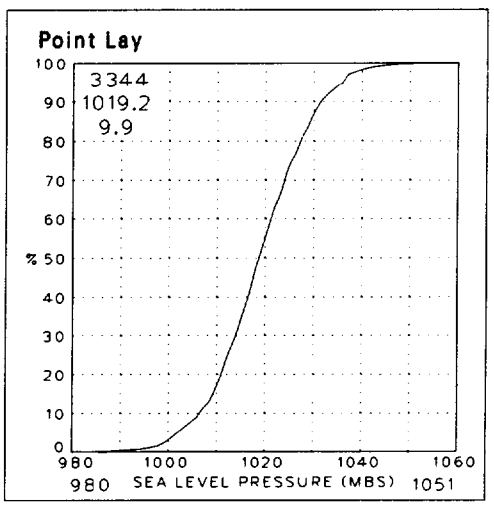

Ostrov Kolychino
2377
1019.8
10.5
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1049

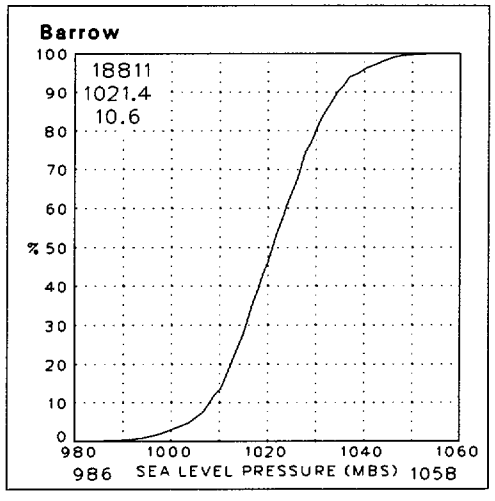

Mys Uelen
4105
1016.3
10.2
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1049

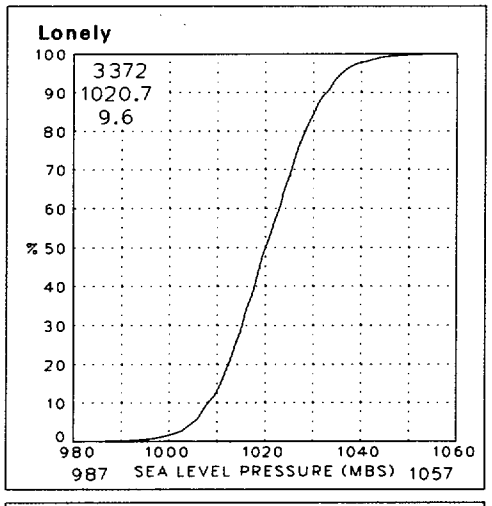

Tin City
11765
1013.0
11.0
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1046

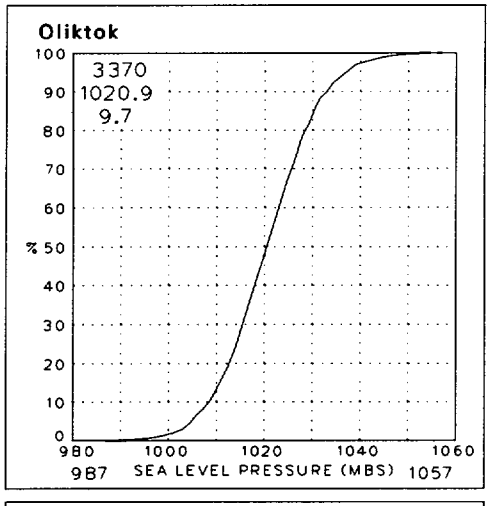

Kotzebue
21450
1014.7
11.2
% 50
970 990 1010 1030 1050
978 SEA LEVEL PRESSURE (MBS) 1056

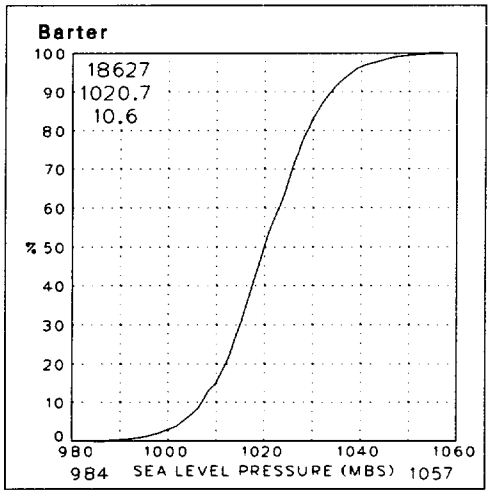

Cape Lisburne
12027
1017.8
9.9
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1049

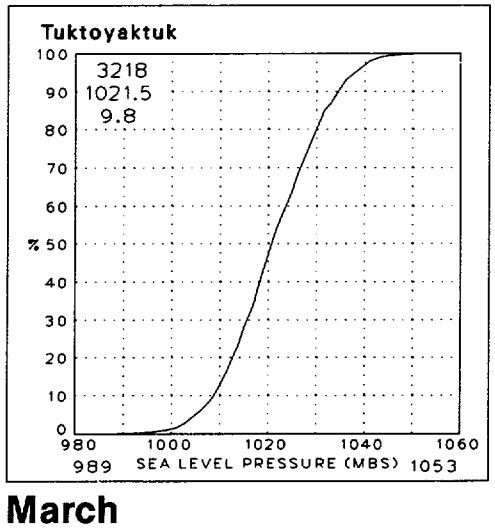

Point Lay
3344
1019.2
9.9
% 50
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1051

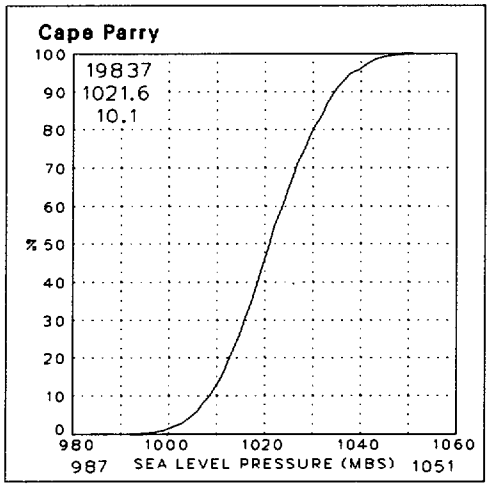

Barrow
18811
1021.4
10.6
% 50
980 1000 1020 1040 1060
986 SEA LEVEL PRESSURE (MBS) 1058

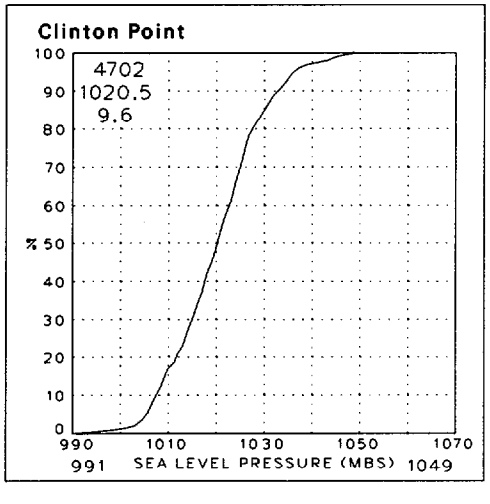

Lonely
3372
1020.7
9.6
% 50
980 1000 1020 1040 1060
987 SEA LEVEL PRESSURE (MBS) 1057

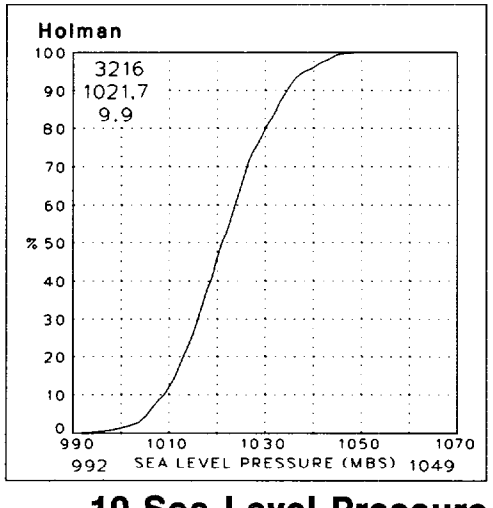

Oliktok
3370
1020.9
9.7
% 50
980 1000 1020 1040 1060
987 SEA LEVEL PRESSURE (MBS) 1057

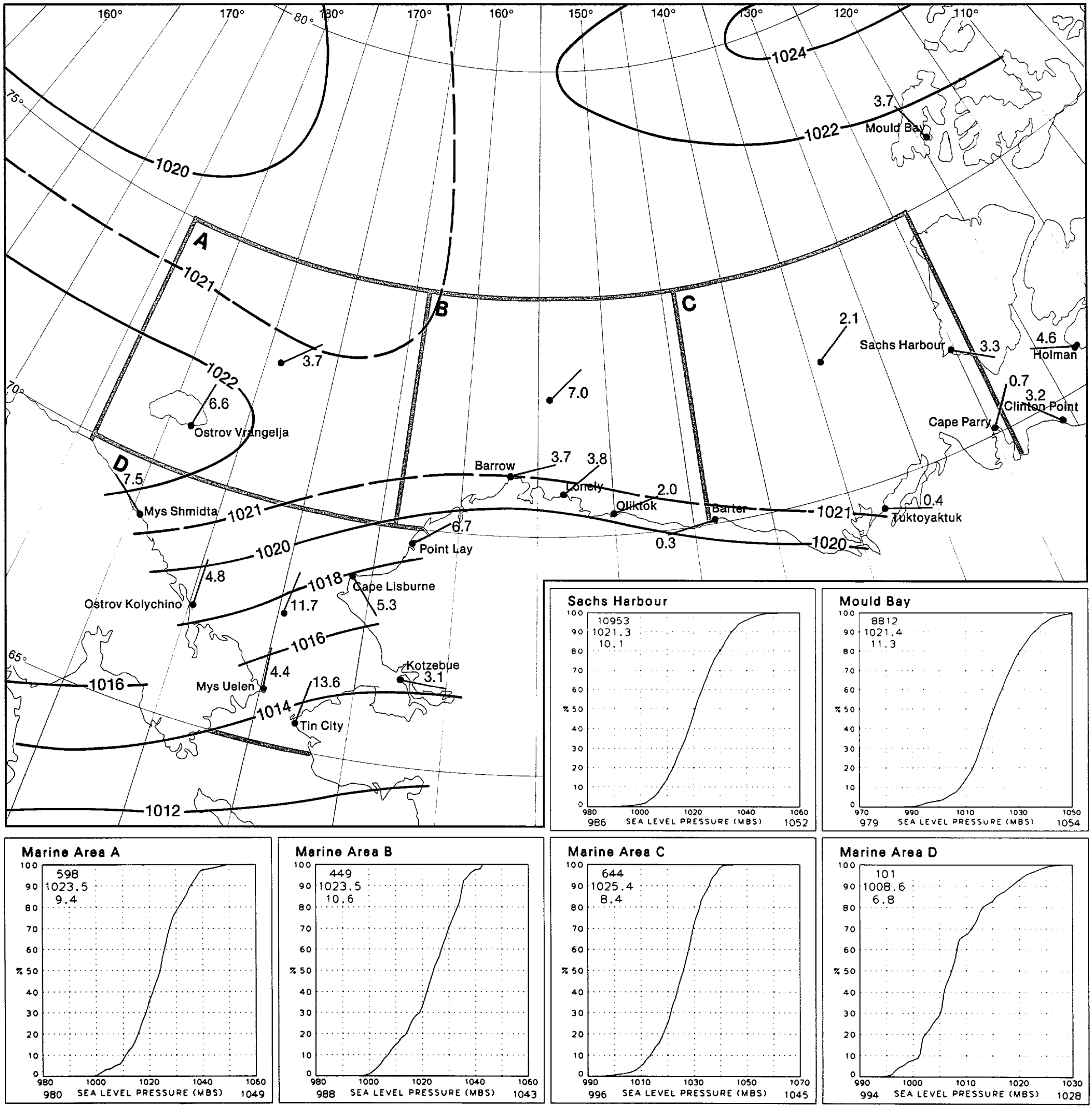

Barter
18627
1020.7
10.6
% 50
980 1000 1020 1040 1060
984 SEA LEVEL PRESSURE (MBS) 1057


Tuktoyaktuk
3218
1021.5
9.8
% 50
980 1000 1020 1040 1060
989 SEA LEVEL PRESSURE (MBS) 1053

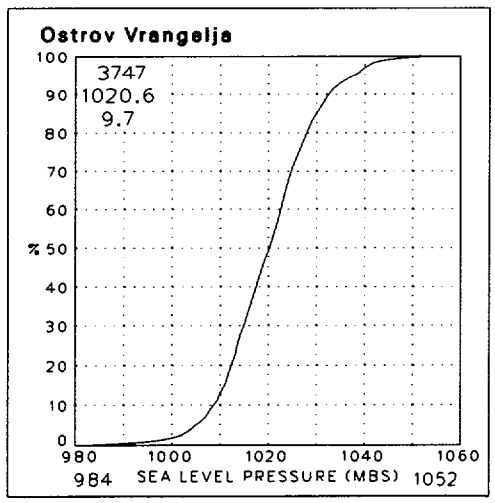

Cape Parry
19837
1021.6
10.1
% 50
980 1000 1020 1040 1060
987 SEA LEVEL PRESSURE (MBS) 1051

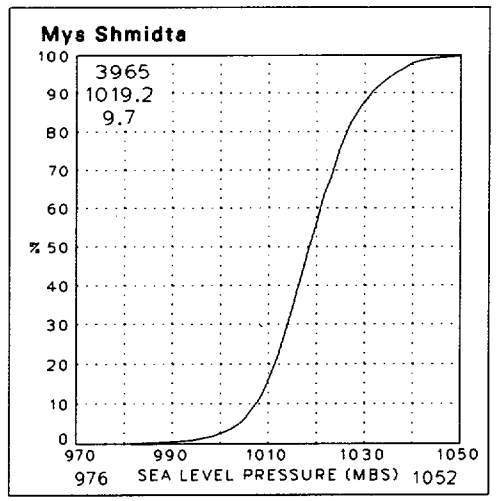

Clinton Point
4702
1020.5
9.6
% 50
990 1010 1030 1050 1070
991 SEA LEVEL PRESSURE (MBS) 1049

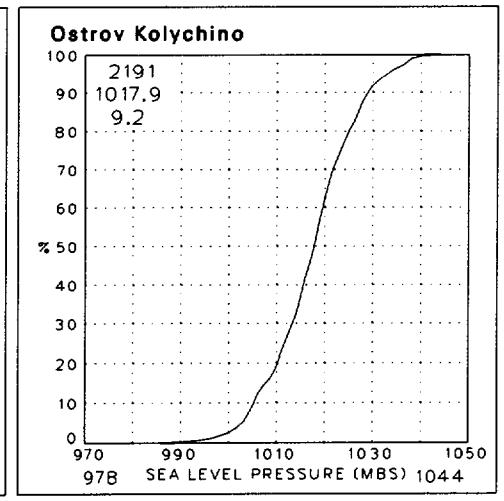

Holman
3216
1021.7
9.9
% 50
990 1010 1030 1050 1070
992 SEA LEVEL PRESSURE (MBS) 1049

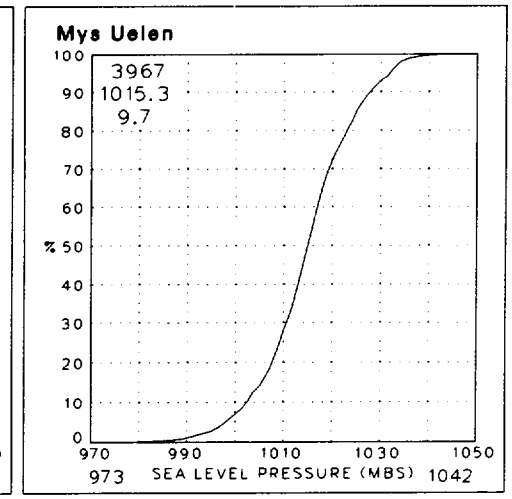


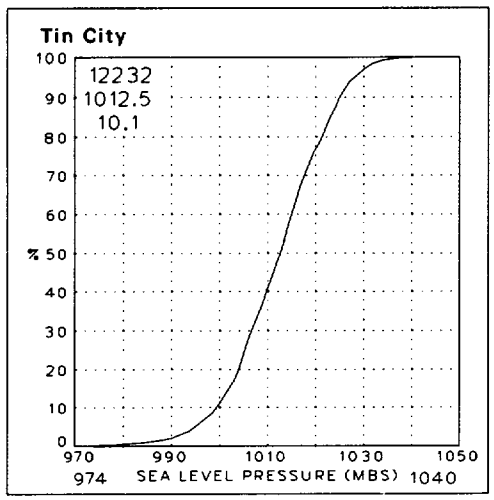
10 Mean Sea Level Pressure and Vector Mean Wind **March**

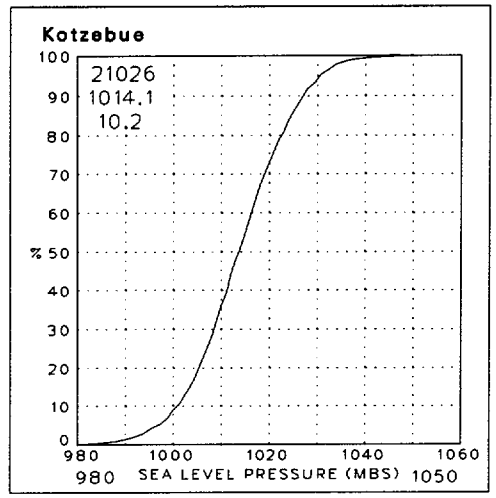

Ostrov Vrangelja
3747
1020.6
9.7
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
984 SEA LEVEL PRESSURE (MBS) 1052

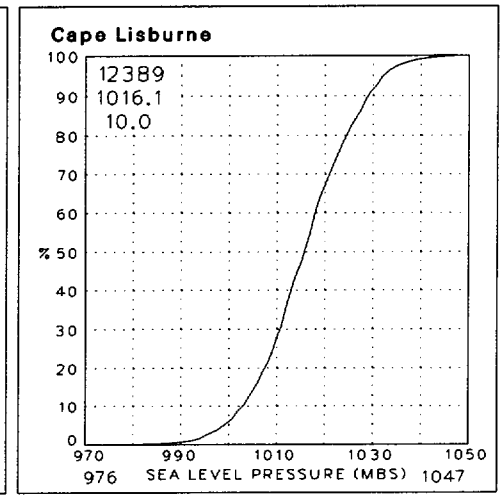

Mys Shmidta
3965
1019.2
9.7
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1052

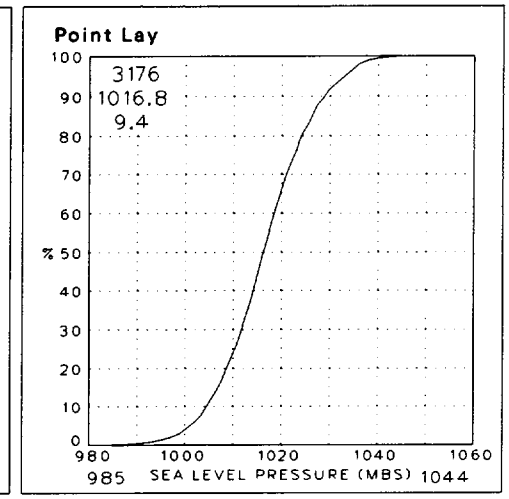

Ostrov Kolychino
2191
1017.9
9.2
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
978 SEA LEVEL PRESSURE (MBS) 1044


Mys Uelen
3967
1015.3
9.7
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
973 SEA LEVEL PRESSURE (MBS) 1042


Tin City
12232
1012.5
10.1
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1040


Kotzebue
21026
1014.1
10.2
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1050


Cape Lisburne
12389
1016.1
10.0
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1047


Point Lay
3176
1016.8
9.4
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
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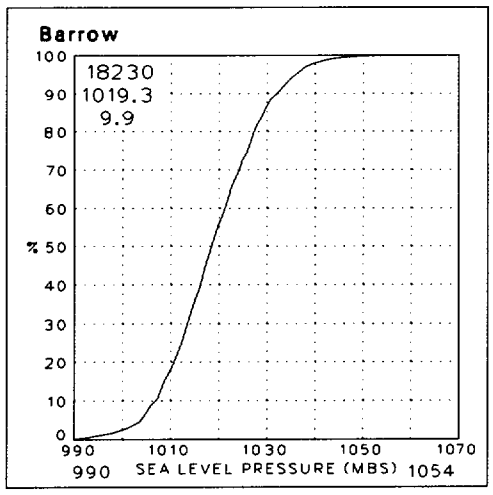
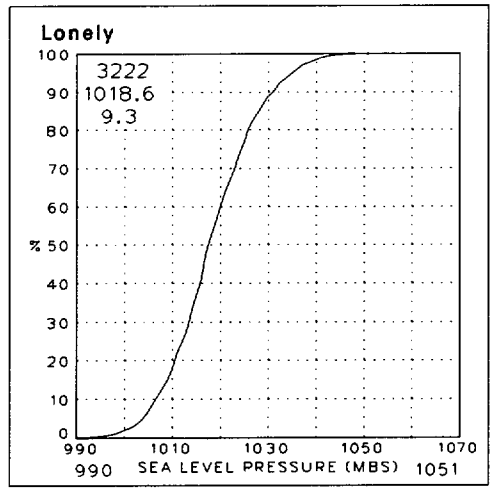
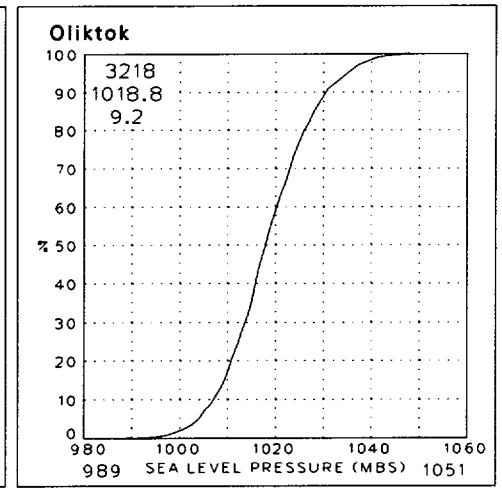
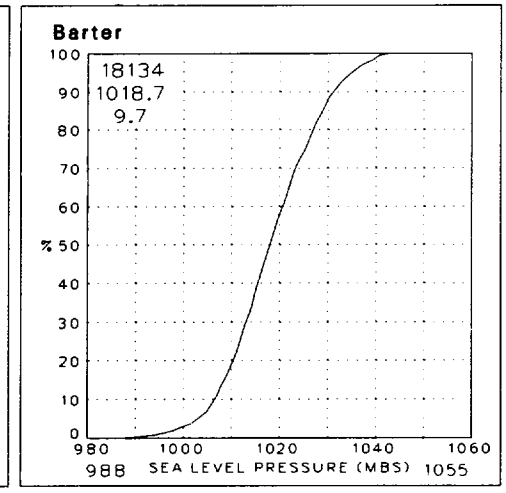
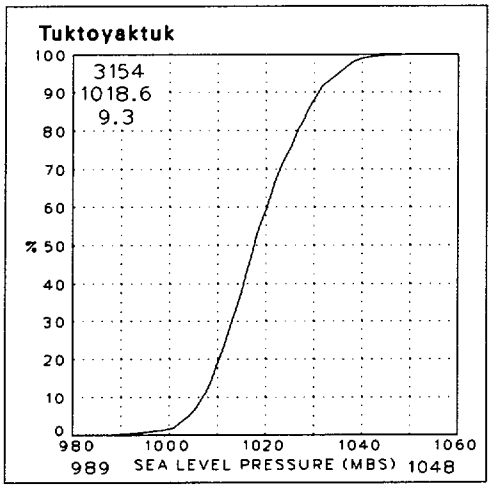
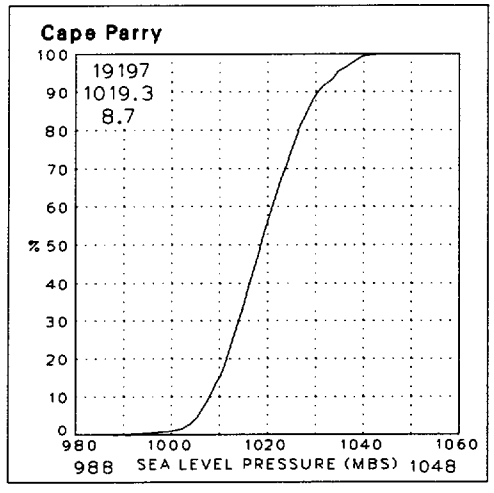

Barrow
18230
1019.3
9.9
% 100 90 80 70 60 50 40 30 20 10 0
990 1010 1030 1050 1070
990 SEA LEVEL PRESSURE (MBS) 1054

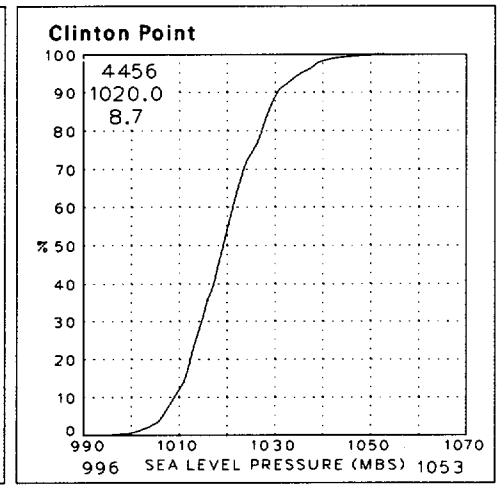

Lonely
3222
1018.6
9.3
% 100 90 80 70 60 50 40 30 20 10 0
990 1010 1030 1050 1070
990 SEA LEVEL PRESSURE (MBS) 1051

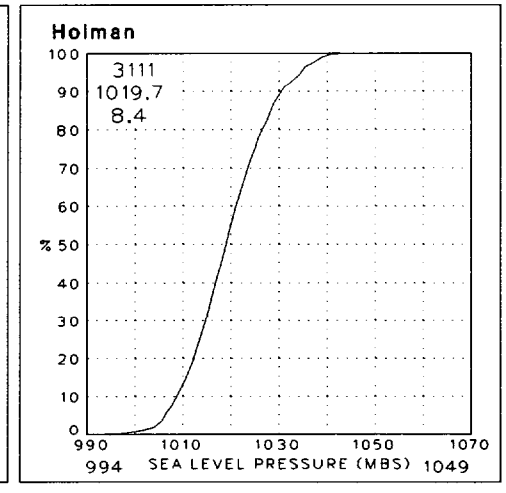

Oliktok
3218
1018.8
9.2
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
989 SEA LEVEL PRESSURE (MBS) 1051

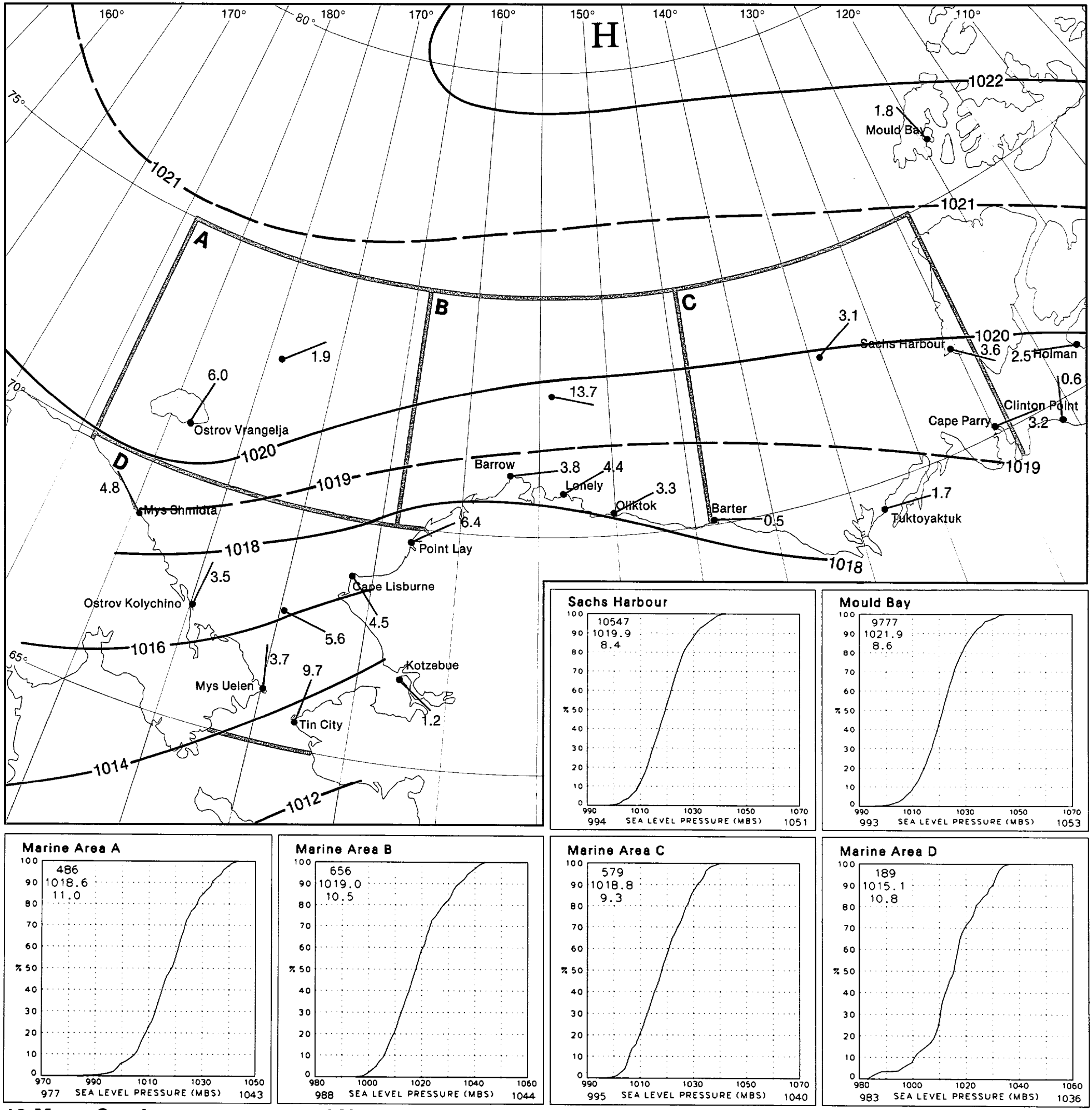

Barter
18134
1018.7
9.7
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
988 SEA LEVEL PRESSURE (MBS) 1055


Tuktoyaktuk
3154
1018.6
9.3
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
989 SEA LEVEL PRESSURE (MBS) 1048


Cape Parry
19197
1019.3
8.7
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
988 SEA LEVEL PRESSURE (MBS) 1048

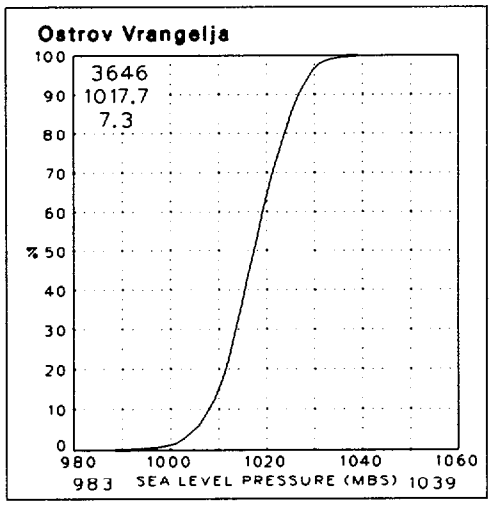

Clinton Point
4456
1020.0
8.7
% 100 90 80 70 60 50 40 30 20 10 0
990 1010 1030 1050 1070
996 SEA LEVEL PRESSURE (MBS) 1053

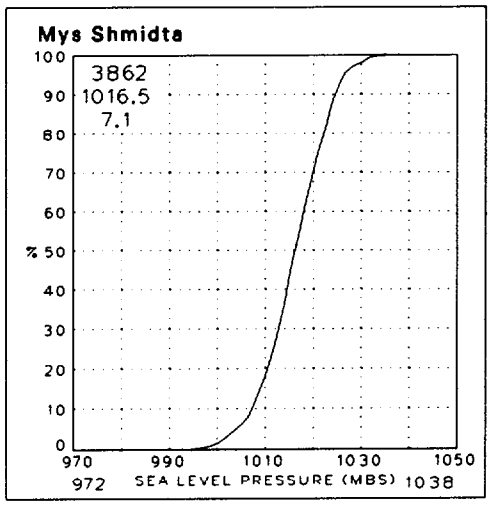

Holman
3111
1019.7
8.4
% 100 90 80 70 60 50 40 30 20 10 0
990 1010 1030 1050 1070
994 SEA LEVEL PRESSURE (MBS) 1049

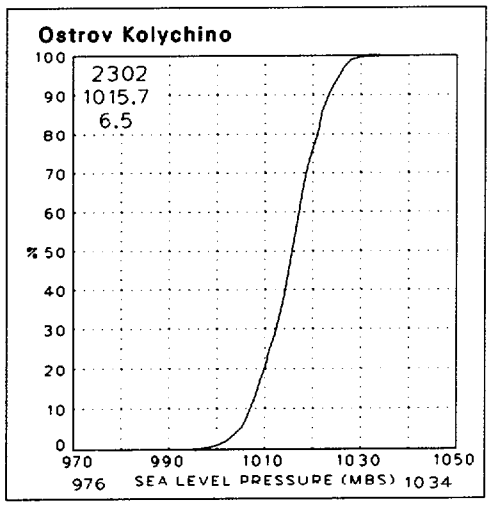


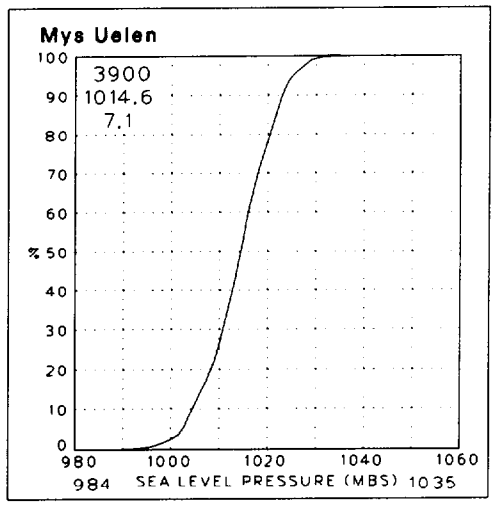
10 Mean Sea Level Pressure and Vector Mean Wind

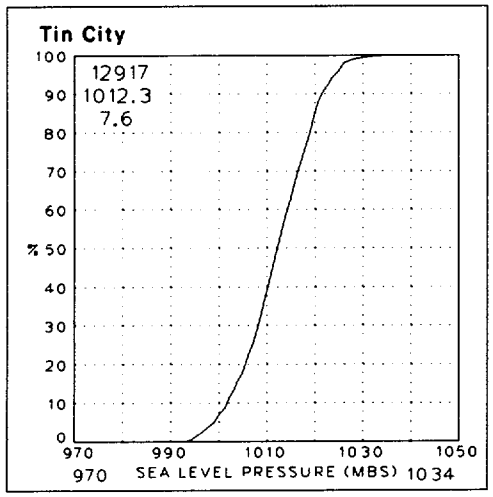
April

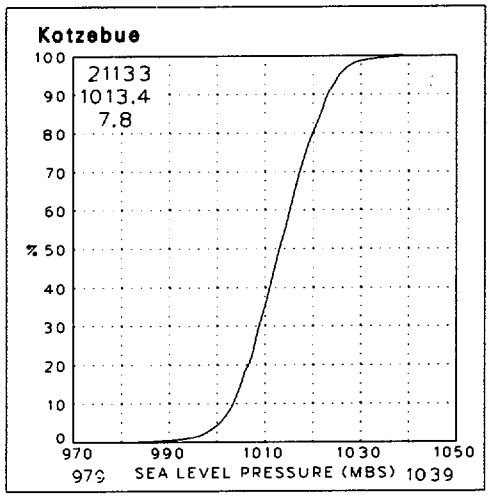

Ostrov Vrangelja
3646
1017.7
7.3
% 50
980 1000 1020 1040 1060
983 SEA LEVEL PRESSURE (MBS) 1039

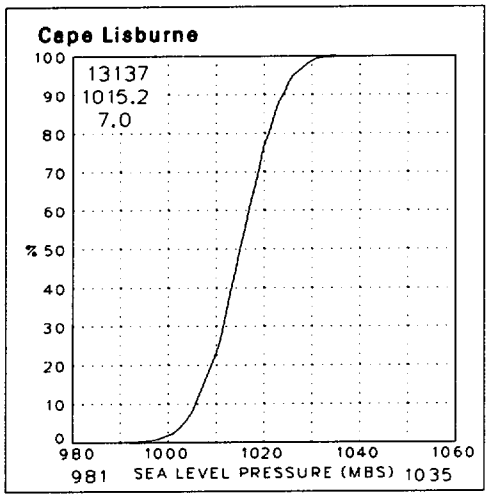

Mys Shmidta
3862
1016.5
7.1
% 50
970 990 1010 1030 1050
972 SEA LEVEL PRESSURE (MBS) 1038

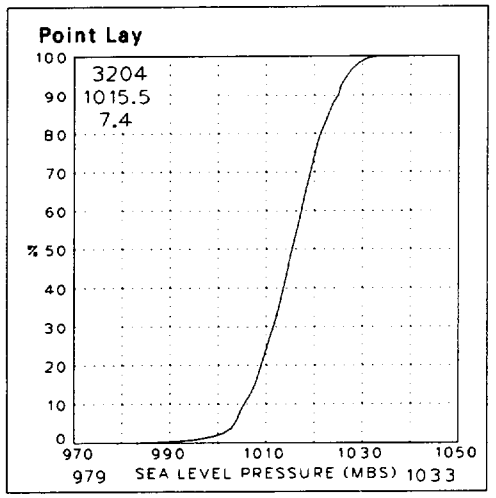

Ostrov Kolychino
2302
1015.7
6.5
% 50
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1034

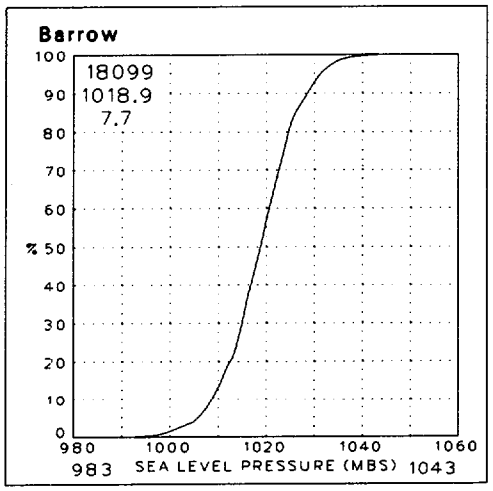

Mys Uelen
3900
1014.6
7.1
% 50
980 1000 1020 1040 1060
984 SEA LEVEL PRESSURE (MBS) 1035

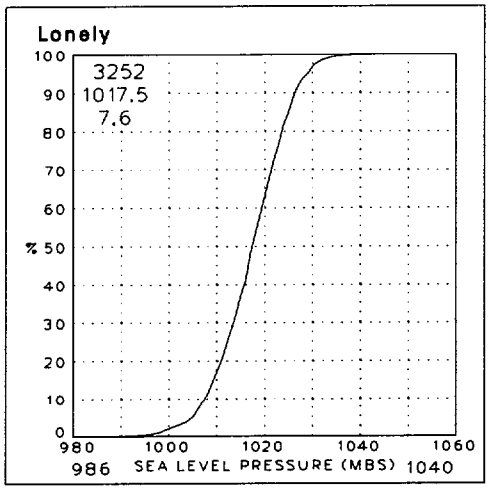

Tin City
12917
1012.3
7.6
% 50
970 990 1010 1030 1050
970 SEA LEVEL PRESSURE (MBS) 1034

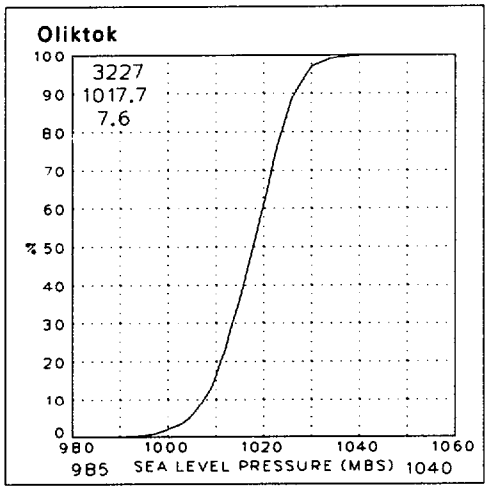

Kotzebue
21133
1013.4
7.8
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1039

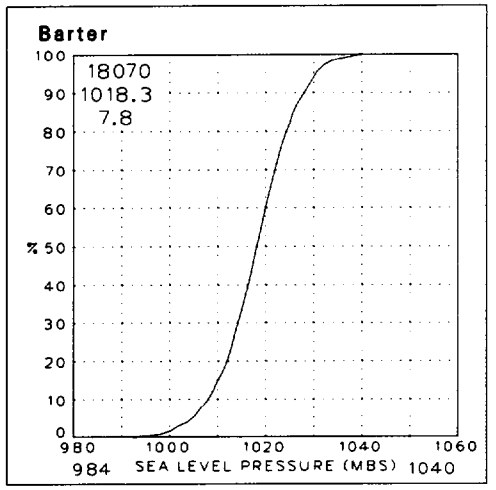

Cape Lisburne
13137
1015.2
7.0
% 50
980 1000 1020 1040 1060
981 SEA LEVEL PRESSURE (MBS) 1035

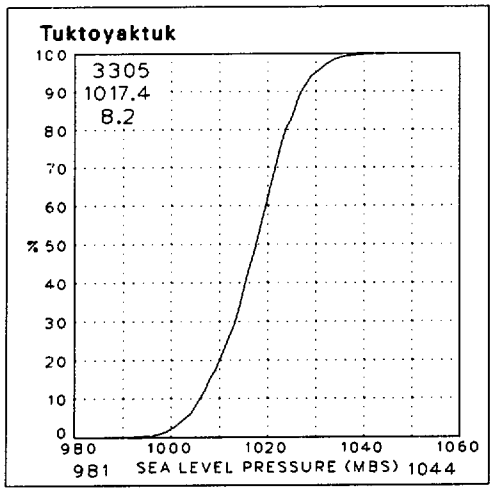

Point Lay
3204
1015.5
7.4
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1033

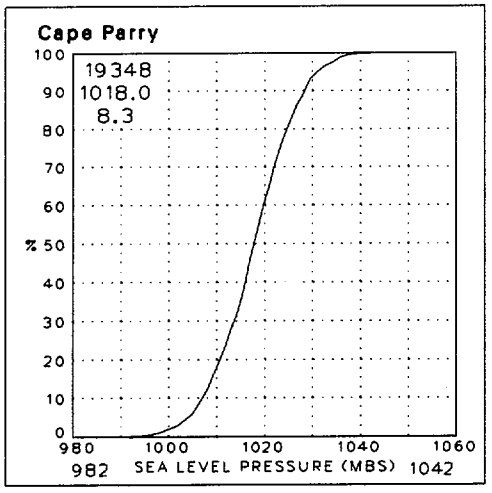

Barrow
18099
1018.9
7.7
% 50
980 1000 1020 1040 1060
983 SEA LEVEL PRESSURE (MBS) 1043

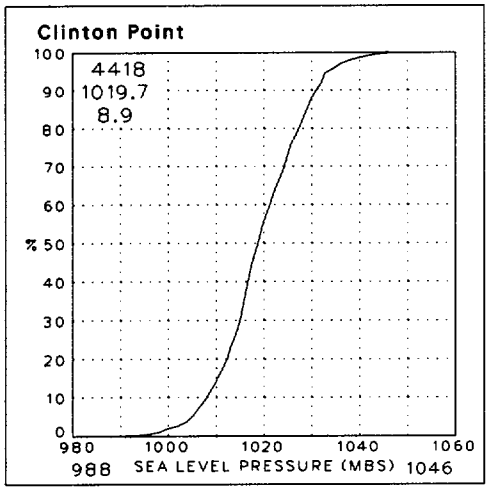

Lonely
3252
1017.5
7.6
% 50
980 1000 1020 1040 1060
986 SEA LEVEL PRESSURE (MBS) 1040

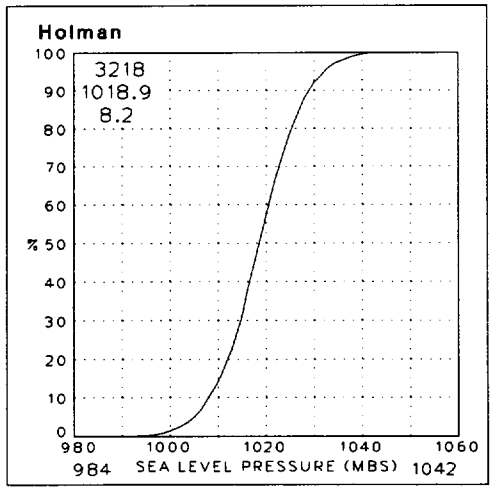

Oliktok
3227
1017.7
7.6
% 50
980 1000 1020 1040 1060
985 SEA LEVEL PRESSURE (MBS) 1040

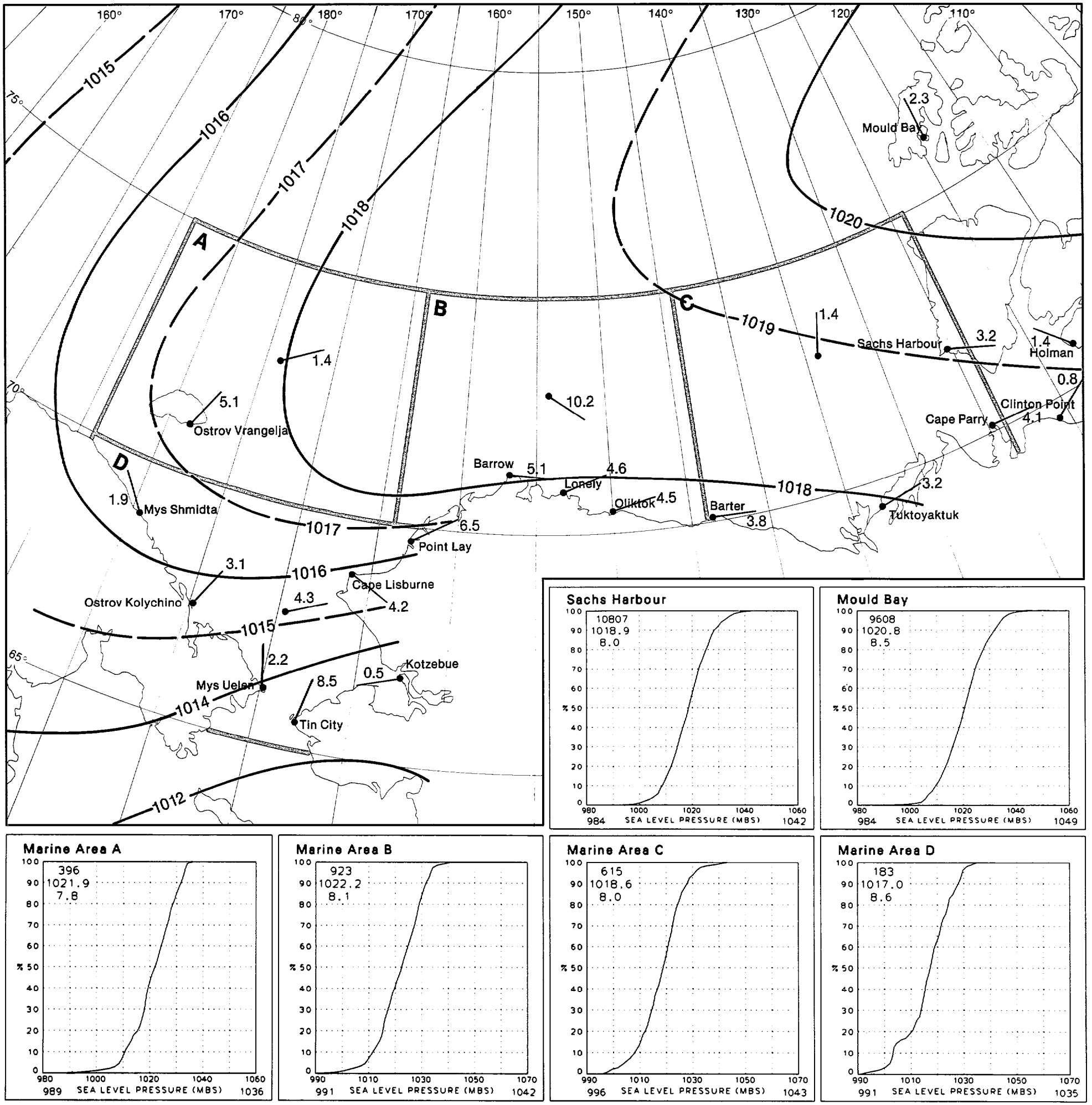

Barter
18070
1018.3
7.8
% 50
980 1000 1020 1040 1060
984 SEA LEVEL PRESSURE (MBS) 1040


Tuktoyaktuk
3305
1017.4
8.2
% 50
980 1000 1020 1040 1060
981 SEA LEVEL PRESSURE (MBS) 1044


Cape Parry
19348
1018.0
8.3
% 50
980 1000 1020 1040 1060
982 SEA LEVEL PRESSURE (MBS) 1042

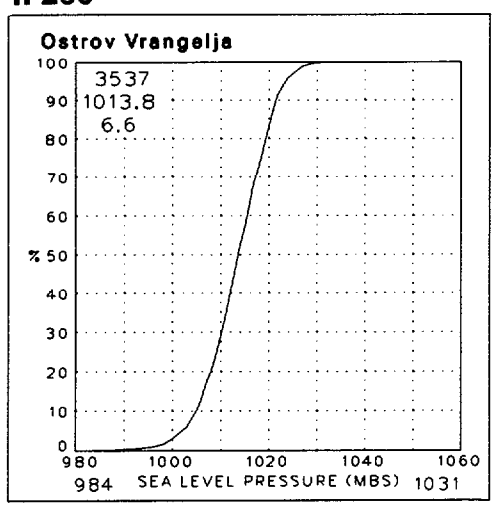

Clinton Point
4418
1019.7
8.9
% 50
980 1000 1020 1040 1060
988 SEA LEVEL PRESSURE (MBS) 1046

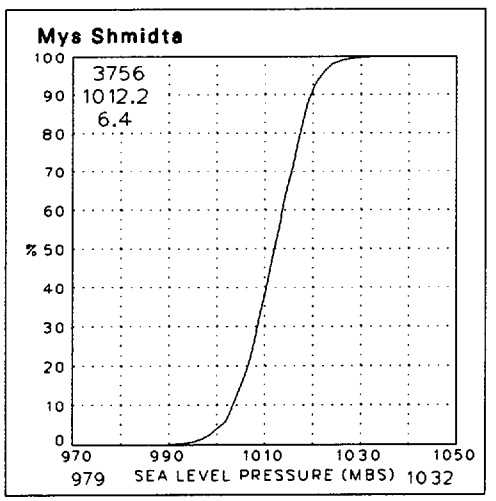

Holman
3218
1018.9
8.2
% 50
980 1000 1020 1040 1060
984 SEA LEVEL PRESSURE (MBS) 1042

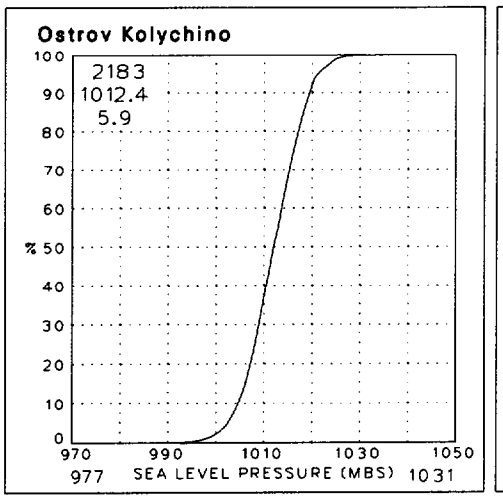


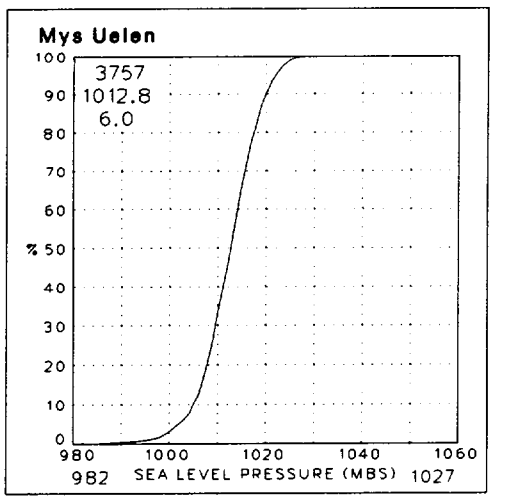
10 Mean Sea Level Pressure and Vector Mean Wind

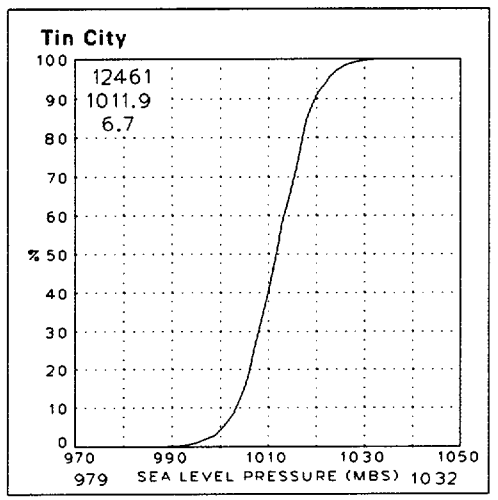
May

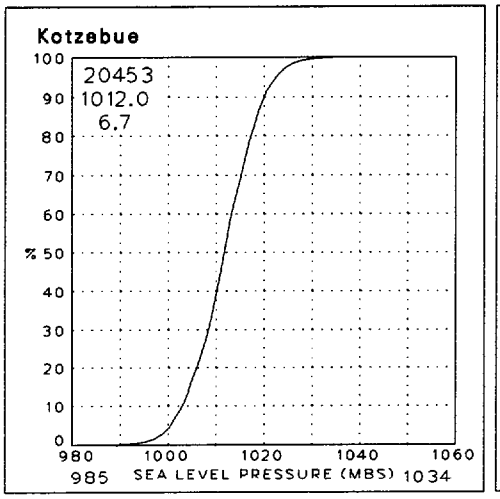

Ostrov Vrangelja
3537
1013.8
6.6
% 50
984 SEA LEVEL PRESSURE (MBS) 1031

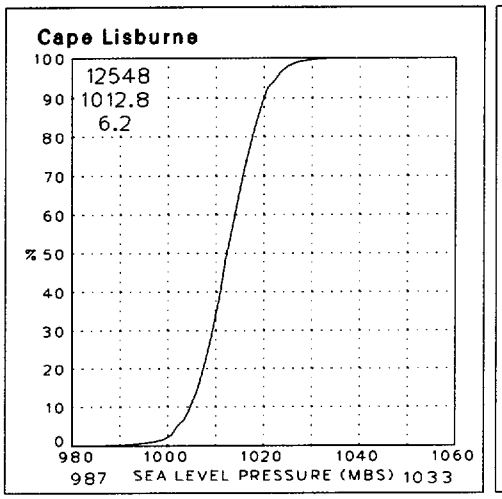

Mys Shmidta
3756
1012.2
6.4
% 50
979 SEA LEVEL PRESSURE (MBS) 1032

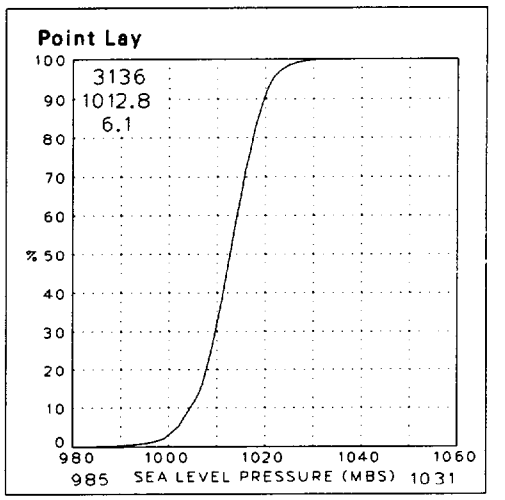

Ostrov Kolychino
2183
1012.4
5.9
% 50
977 SEA LEVEL PRESSURE (MBS) 1031

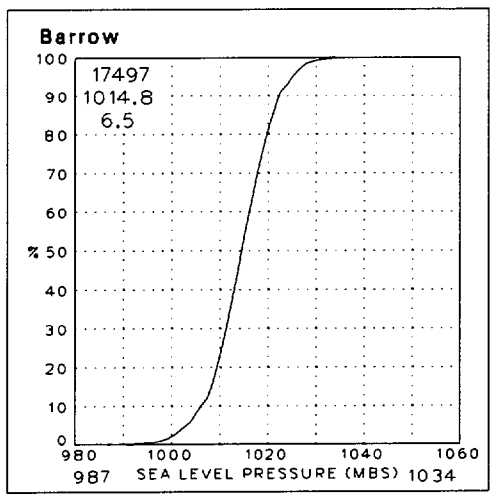

Mys Uelen
3757
1012.8
6.0
% 50
982 SEA LEVEL PRESSURE (MBS) 1027

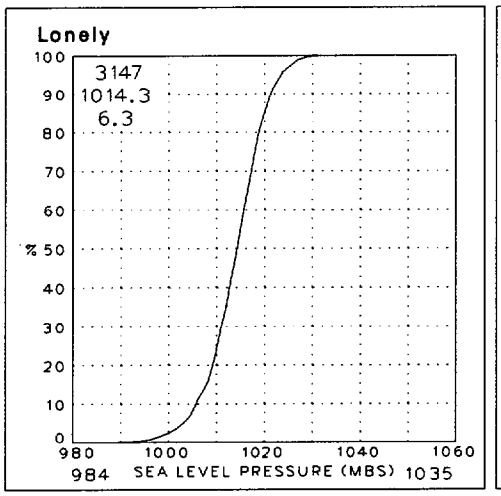

Tin City
12461
1011.9
6.7
% 50
979 SEA LEVEL PRESSURE (MBS) 1032

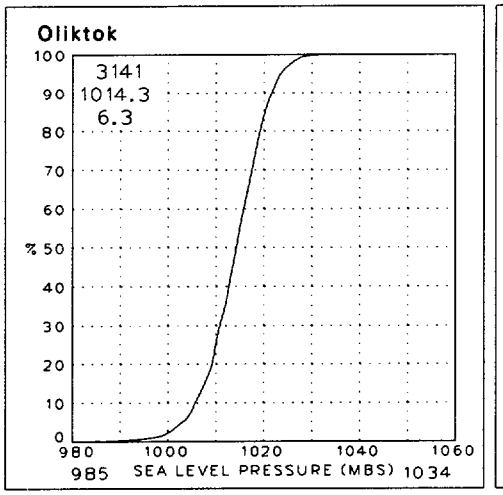

Kotzebue
20453
1012.0
6.7
% 50
985 SEA LEVEL PRESSURE (MBS) 1034

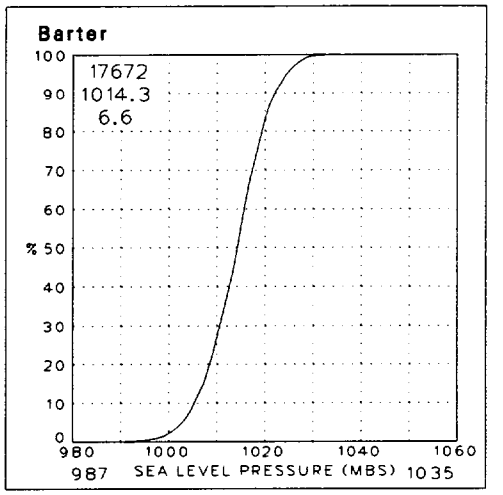

Cape Lisburne
12548
1012.8
6.2
% 50
987 SEA LEVEL PRESSURE (MBS) 1033

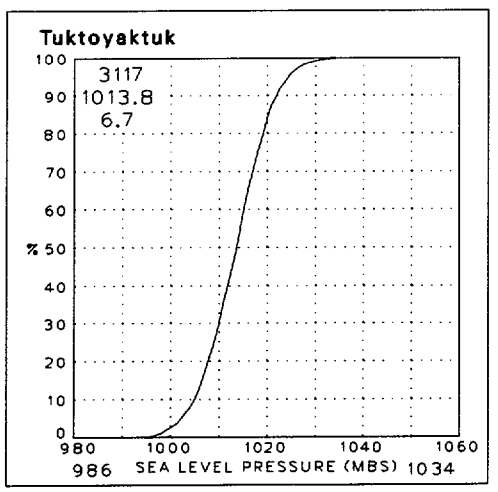

Point Lay
3136
1012.8
6.1
% 50
985 SEA LEVEL PRESSURE (MBS) 1031

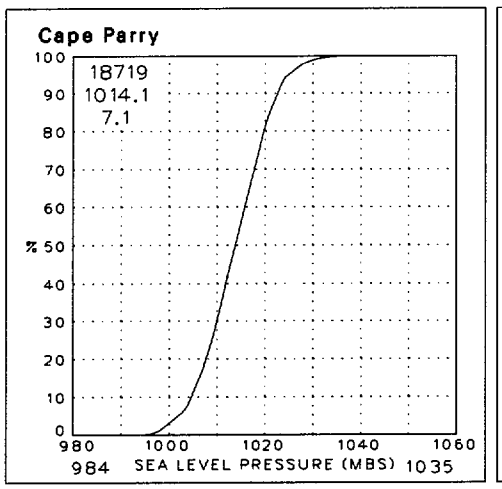

Barrow
17497
1014.8
6.5
% 50
987 SEA LEVEL PRESSURE (MBS) 1034

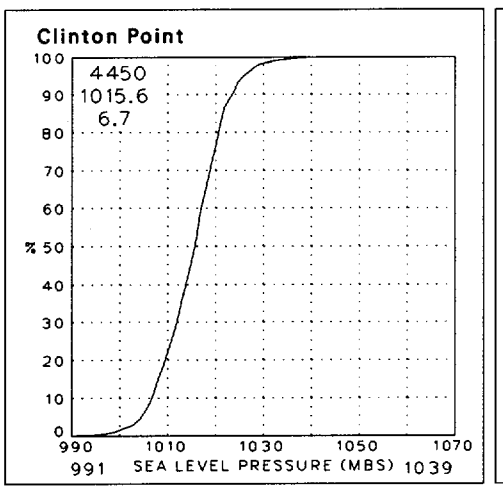

Lonely
3147
1014.3
6.3
% 50
984 SEA LEVEL PRESSURE (MBS) 1035

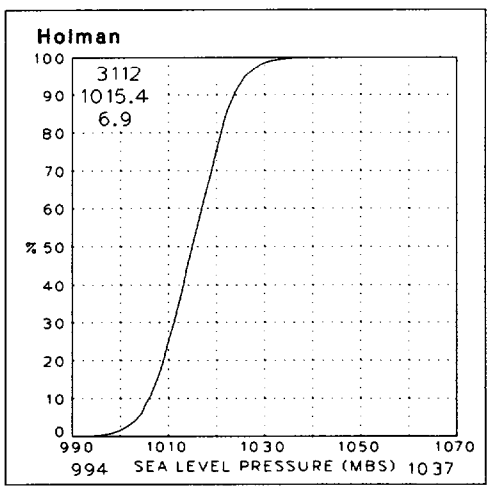

Oliktok
3141
1014.3
6.3
% 50
985 SEA LEVEL PRESSURE (MBS) 1034

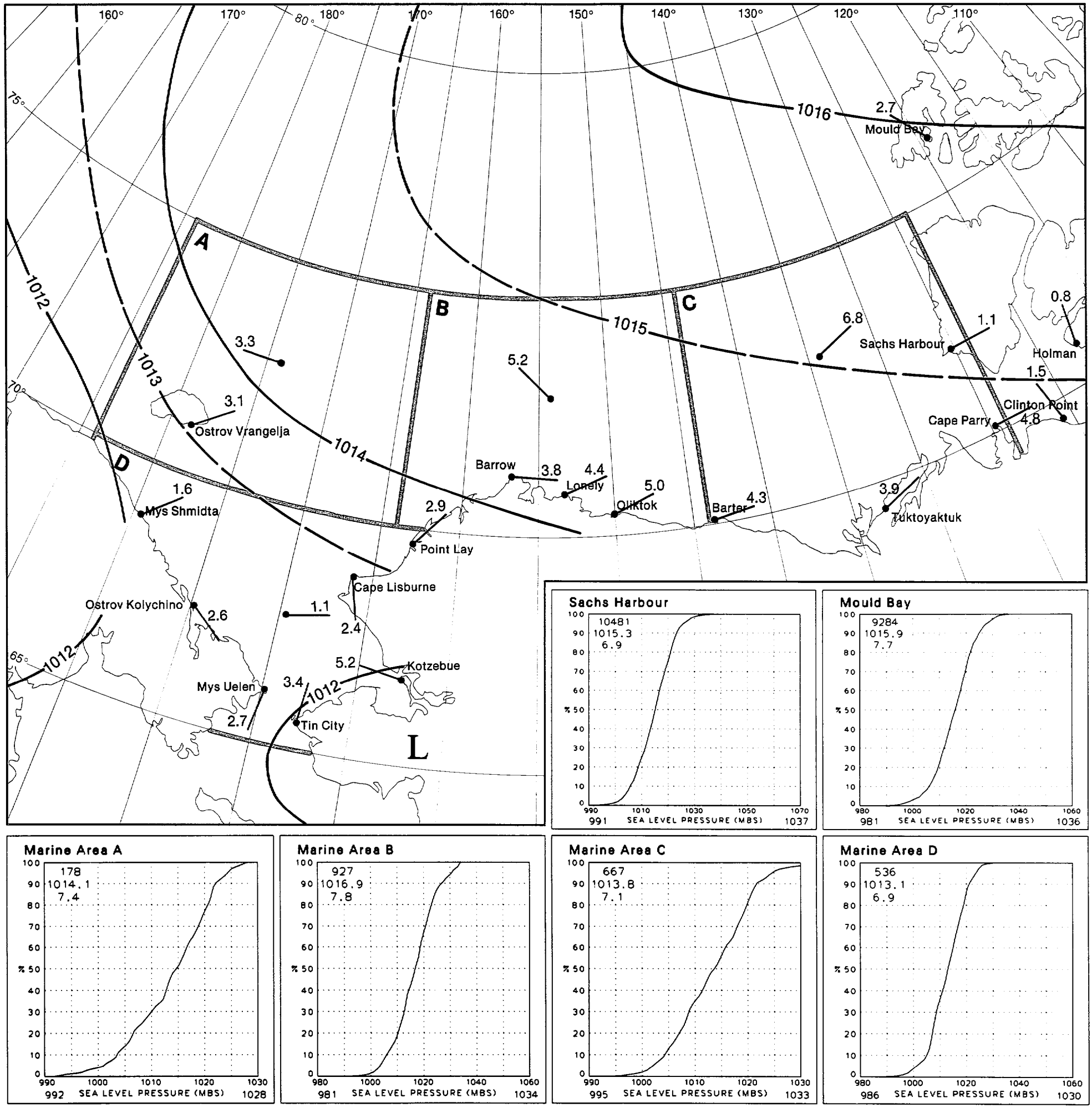

Barter
17672
1014.3
6.6
% 50
987 SEA LEVEL PRESSURE (MBS) 1035


Tuktoyaktuk
3117
1013.8
6.7
% 50
986 SEA LEVEL PRESSURE (MBS) 1034

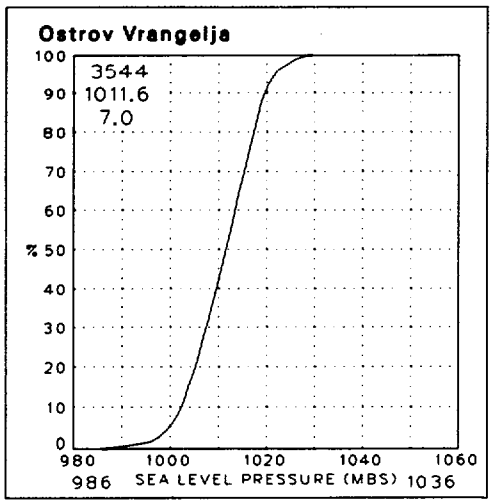

Cape Parry
18719
1014.1
7.1
% 50
984 SEA LEVEL PRESSURE (MBS) 1035

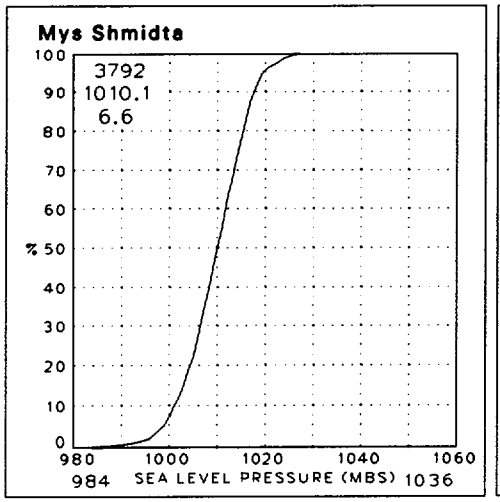

Clinton Point
4450
1015.6
6.7
% 50
991 SEA LEVEL PRESSURE (MBS) 1039

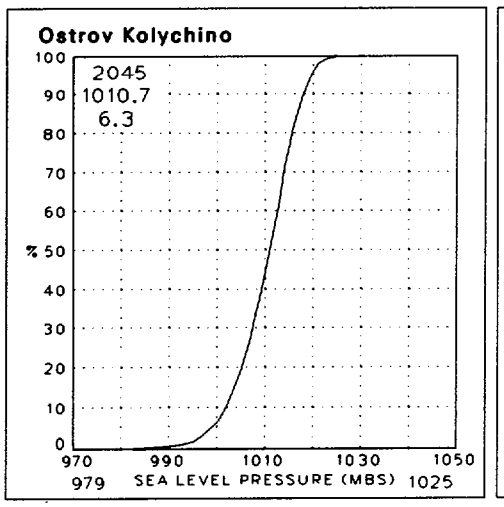

Holman
3112
1015.4
6.9
% 50
994 SEA LEVEL PRESSURE (MBS) 1037



10 Mean Sea Level Pressure and Vector Mean Wind **June**


Ostrov Vrangelja
3544
1011.6
7.0
986 SEA LEVEL PRESSURE (MBS) 1036


Mys Shmidta
3792
1010.1
6.6
984 SEA LEVEL PRESSURE (MBS) 1036


Ostrov Kolychino
2045
1010.7
6.3
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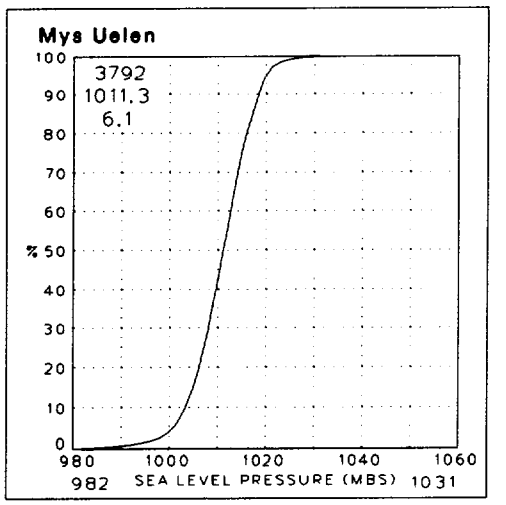
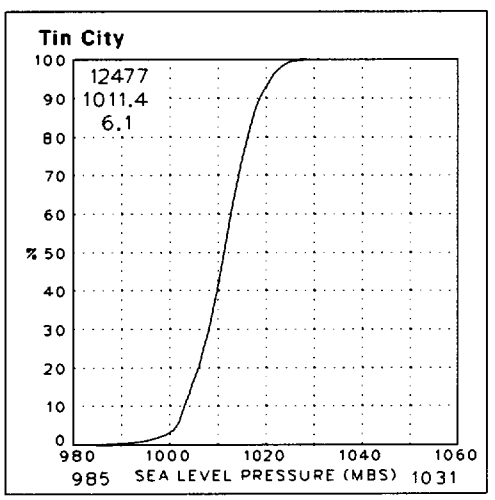
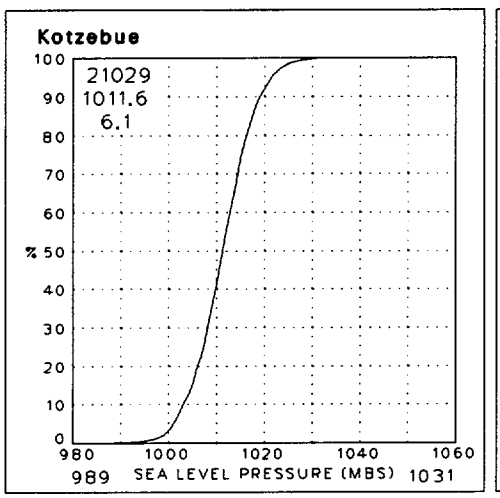
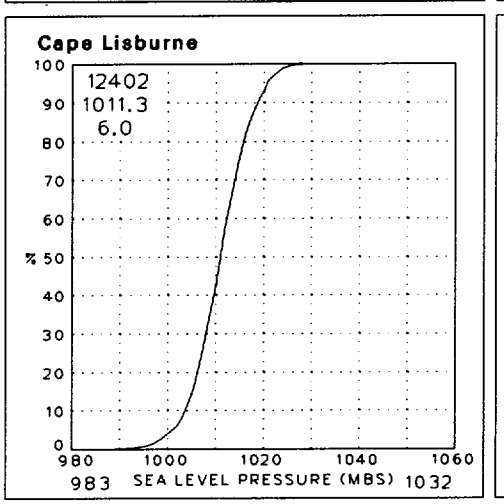
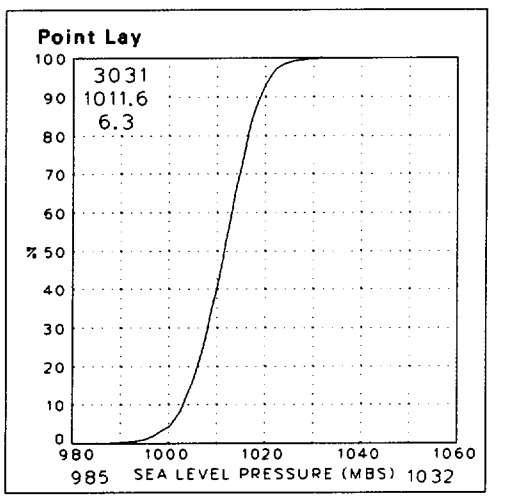
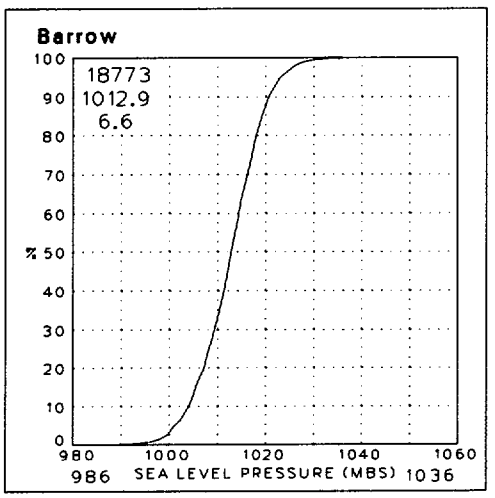

Mys Uelen
3792
1011.3
6.1
982 SEA LEVEL PRESSURE (MBS) 1031

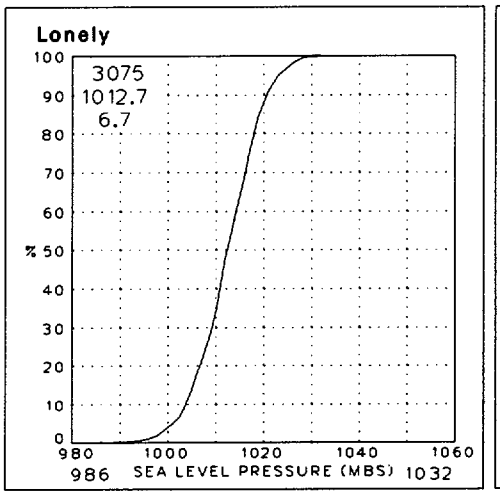

Tin City
12477
1011.4
6.1
985 SEA LEVEL PRESSURE (MBS) 1031

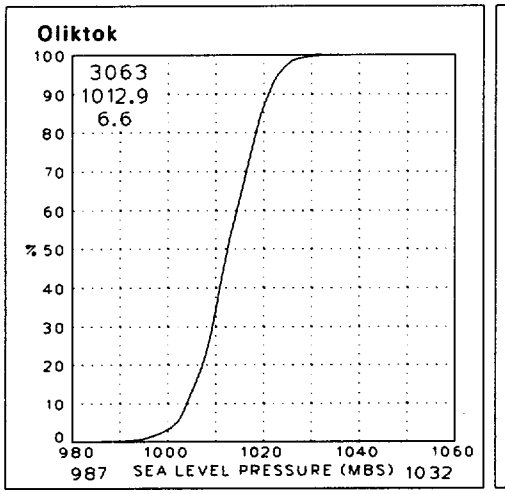

Kotzebue
21029
1011.6
6.1
989 SEA LEVEL PRESSURE (MBS) 1031

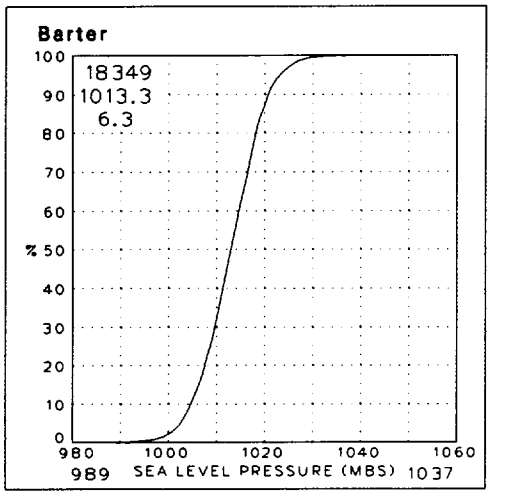

Cape Lisburne
12402
1011.3
6.0
983 SEA LEVEL PRESSURE (MBS) 1032

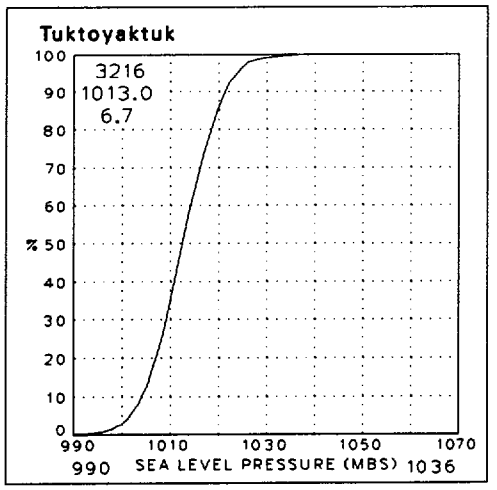

Point Lay
3031
1011.6
6.3
985 SEA LEVEL PRESSURE (MBS) 1032

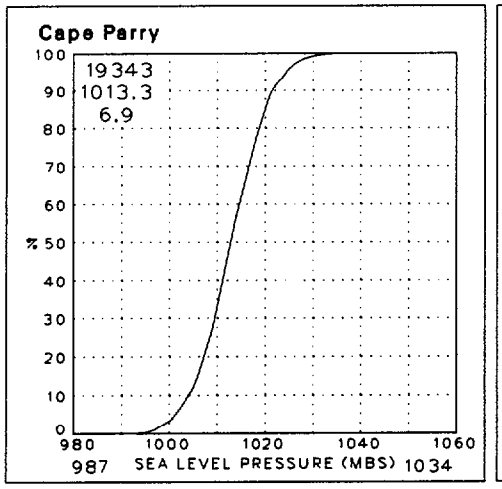

Barrow
18773
1012.9
6.6
986 SEA LEVEL PRESSURE (MBS) 1036

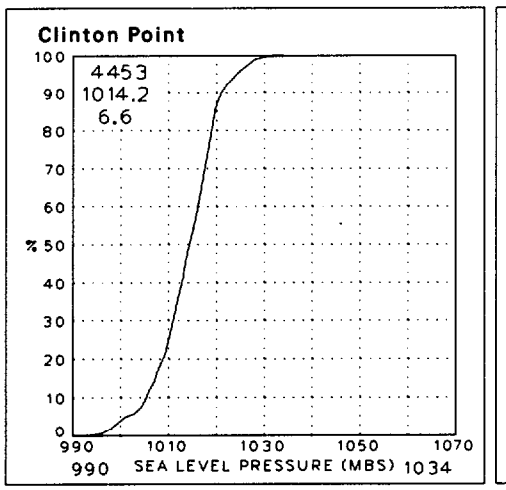

Lonely
3075
1012.7
6.7
986 SEA LEVEL PRESSURE (MBS) 1032

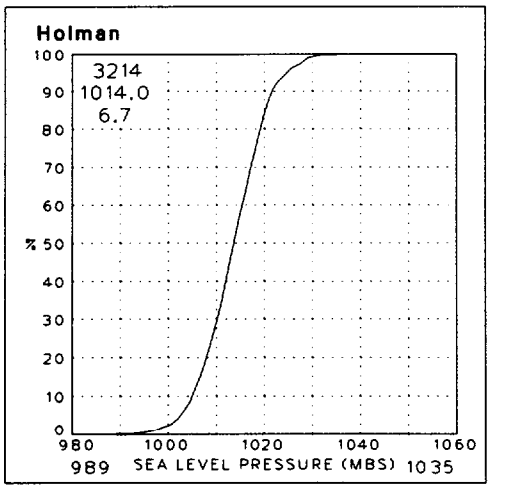

Oliktok
3063
1012.9
6.6
987 SEA LEVEL PRESSURE (MBS) 1032

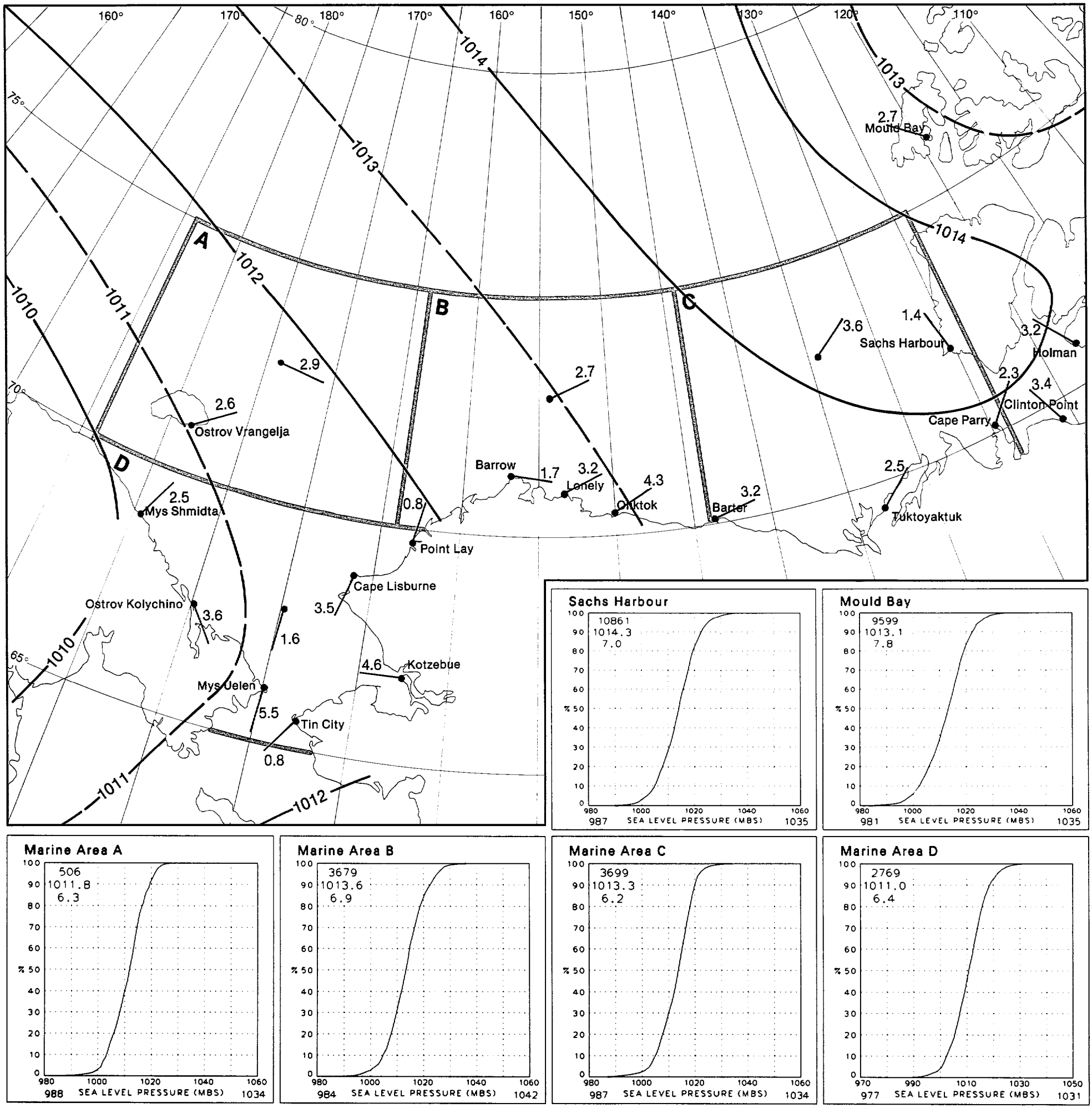

Barter
18349
1013.3
6.3
989 SEA LEVEL PRESSURE (MBS) 1037


Tuktoyaktuk
3216
1013.0
6.7
990 SEA LEVEL PRESSURE (MBS) 1036

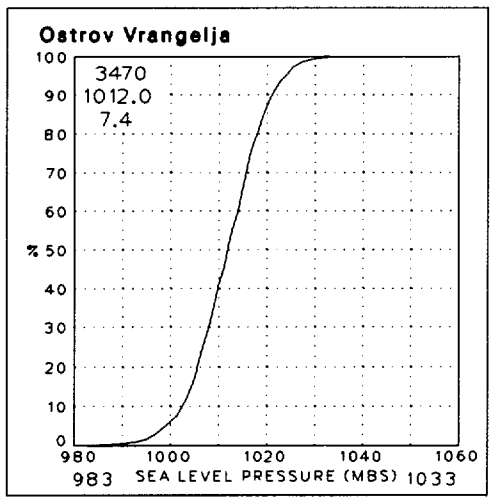

Cape Parry
19343
1013.3
6.9
987 SEA LEVEL PRESSURE (MBS) 1034

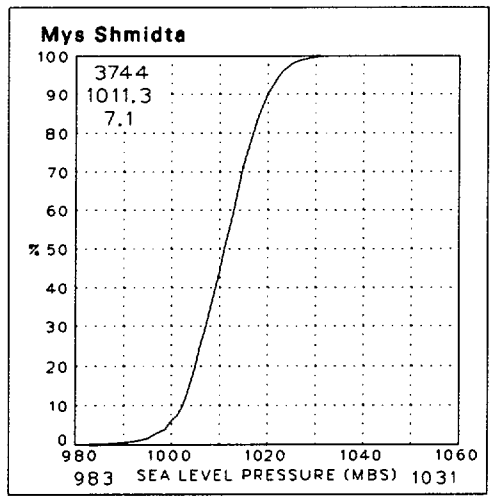

Clinton Point
4453
1014.2
6.6
990 SEA LEVEL PRESSURE (MBS) 1034

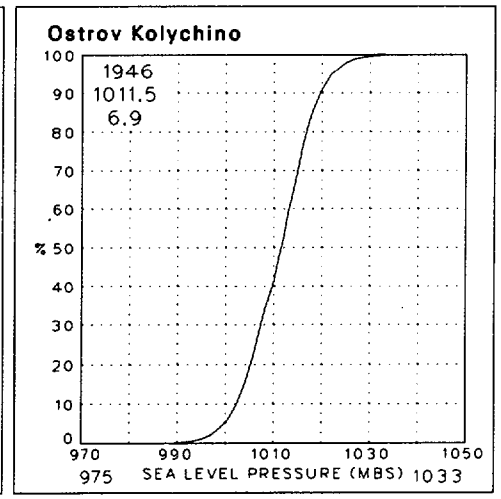

Holman
3214
1014.0
6.7
989 SEA LEVEL PRESSURE (MBS) 1035

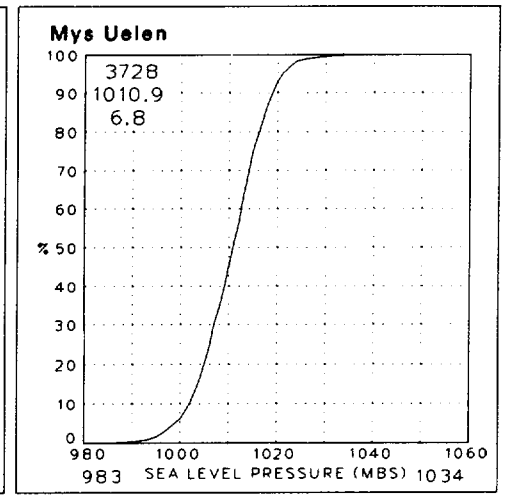


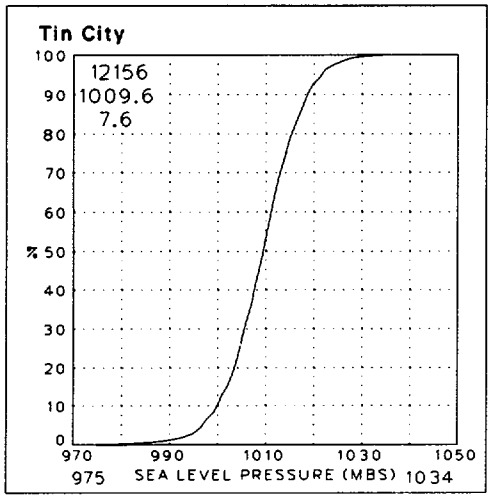
10 Mean Sea Level Pressure and Vector Mean Wind **July**

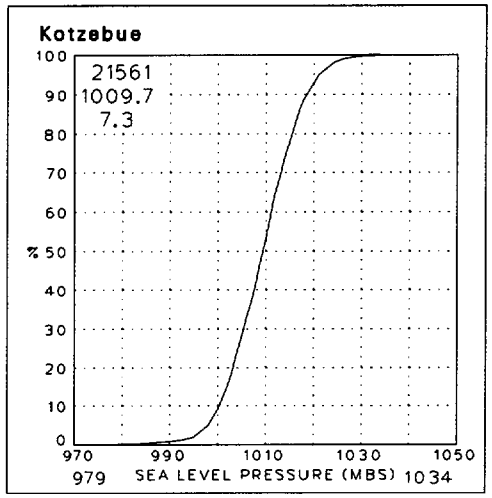

Ostrov Vrangelja
3470
1012.0
7.4
% 50
983 SEA LEVEL PRESSURE (MBS) 1033

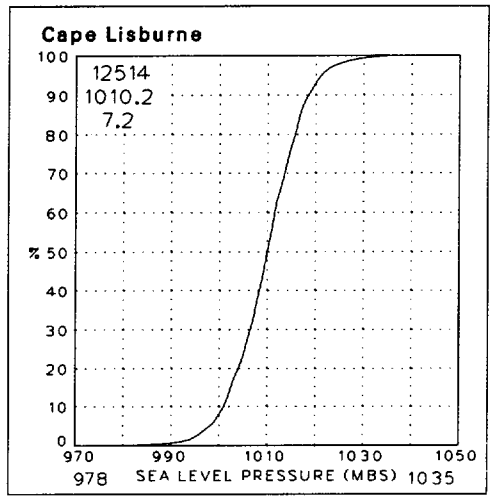

Mys Shmidta
3744
1011.3
7.1
% 50
983 SEA LEVEL PRESSURE (MBS) 1031

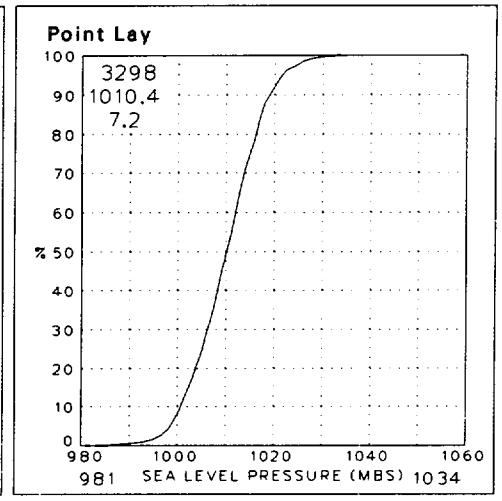

Ostrov Kolychino
1946
1011.5
6.9
% 50
975 SEA LEVEL PRESSURE (MBS) 1033

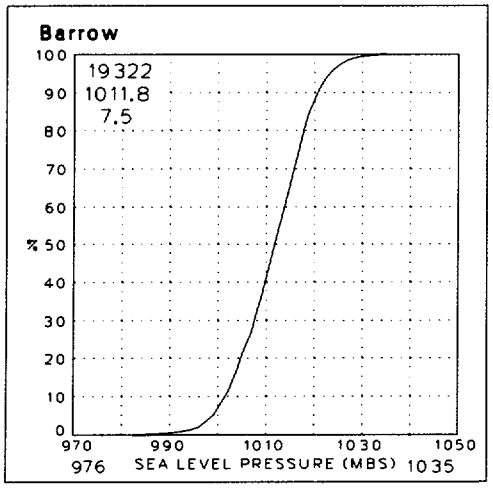

Mys Uelen
3728
1010.9
6.8
% 50
983 SEA LEVEL PRESSURE (MBS) 1034

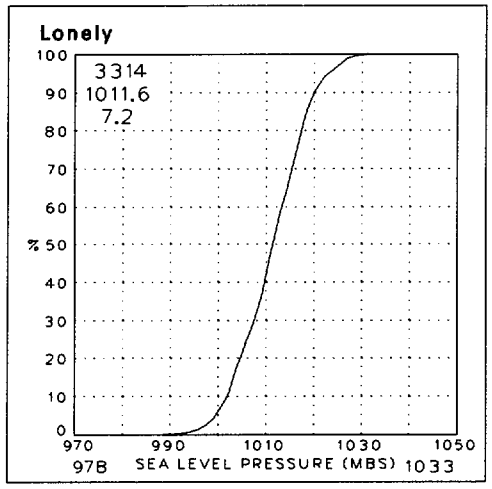

Tin City
12156
1009.6
7.6
% 50
975 SEA LEVEL PRESSURE (MBS) 1034

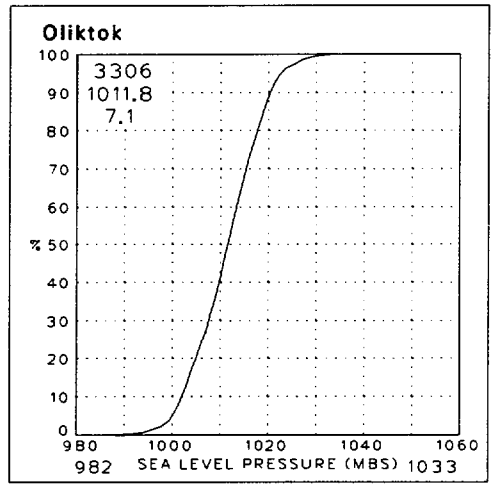

Kotzebue
21561
1009.7
7.3
% 50
979 SEA LEVEL PRESSURE (MBS) 1034

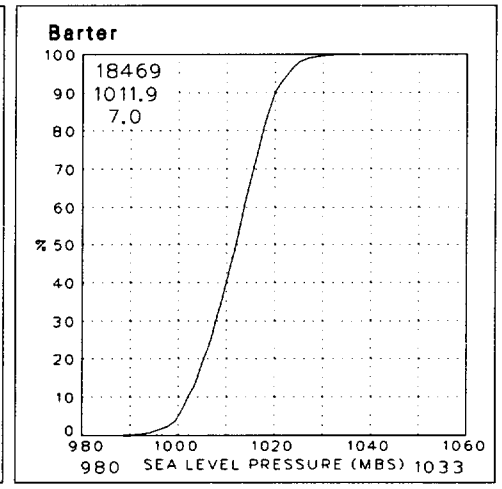

Cape Lisburne
12514
1010.2
7.2
% 50
978 SEA LEVEL PRESSURE (MBS) 1035

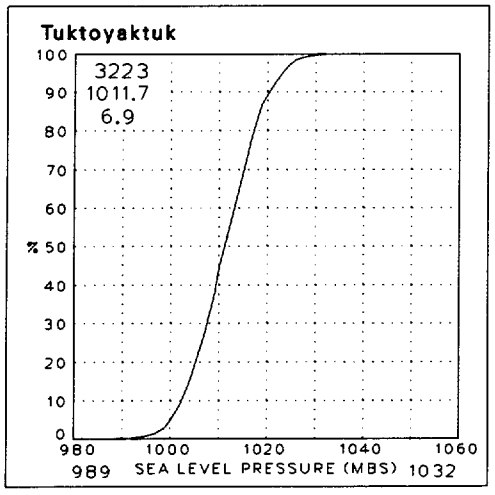

Point Lay
3298
1010.4
7.2
% 50
981 SEA LEVEL PRESSURE (MBS) 1034

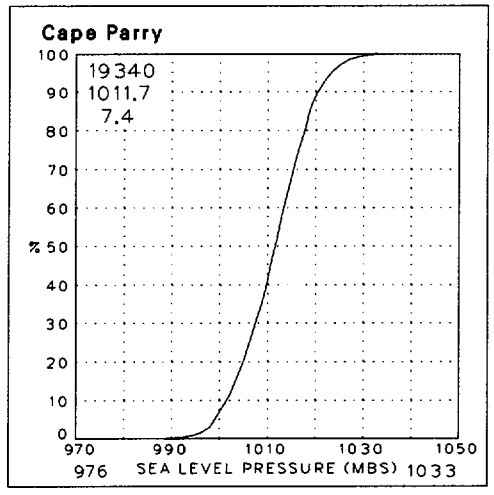

Barrow
19322
1011.8
7.5
% 50
976 SEA LEVEL PRESSURE (MBS) 1035

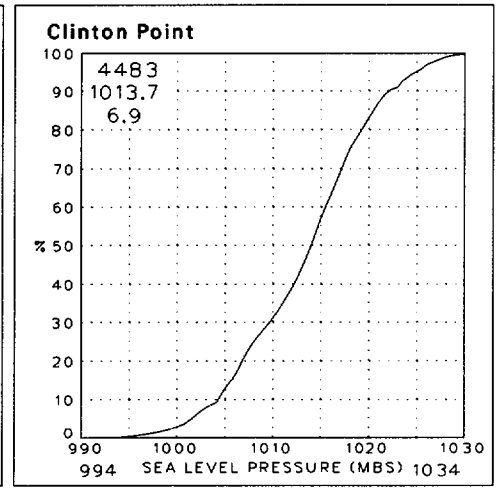

Lonely
3314
1011.6
7.2
% 50
978 SEA LEVEL PRESSURE (MBS) 1033

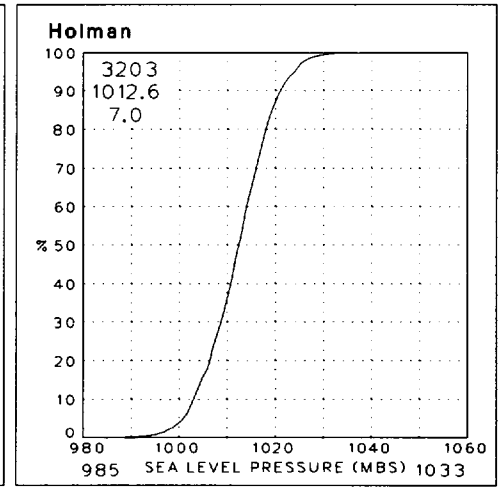

Oliktok
3306
1011.8
7.1
% 50
982 SEA LEVEL PRESSURE (MBS) 1033

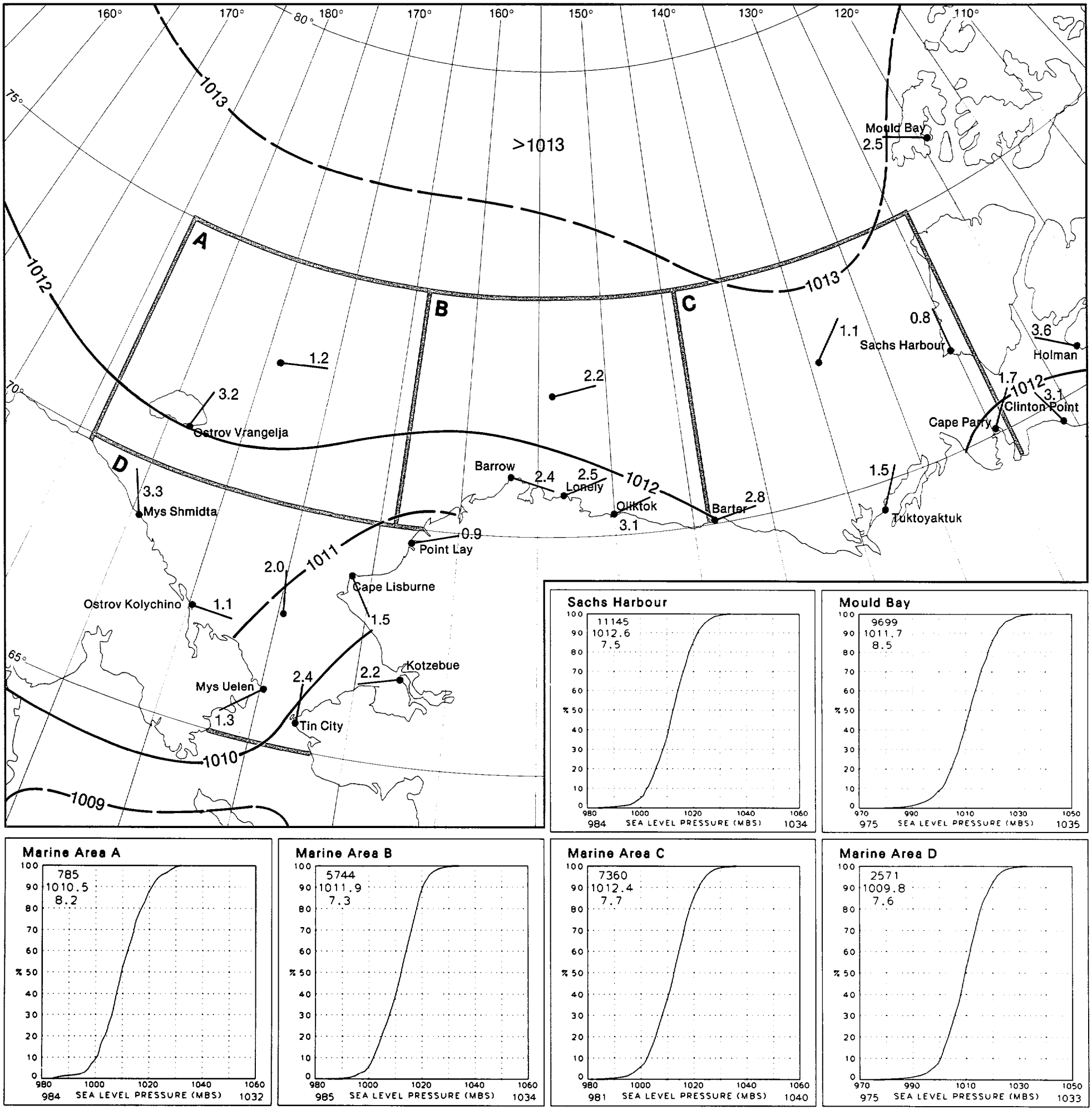

Barter
18469
1011.9
7.0
% 50
980 SEA LEVEL PRESSURE (MBS) 1033


Tuktoyaktuk
3223
1011.7
6.9
% 50
989 SEA LEVEL PRESSURE (MBS) 1032

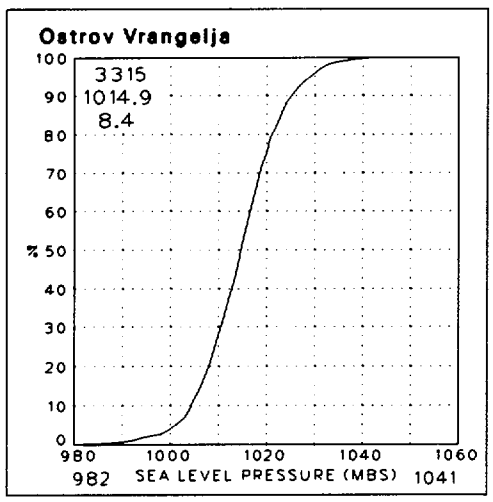

Cape Parry
19340
1011.7
7.4
% 50
976 SEA LEVEL PRESSURE (MBS) 1033

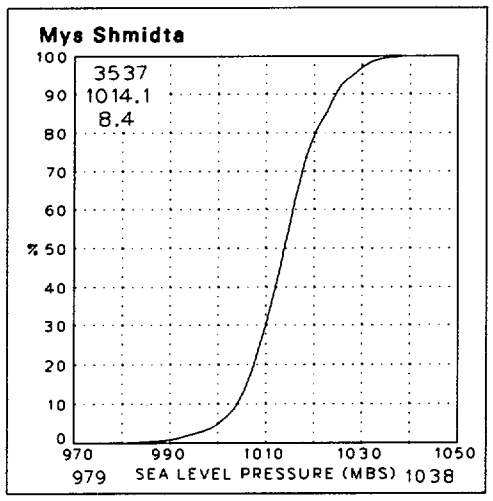

Clinton Point
4483
1013.7
6.9
% 50
994 SEA LEVEL PRESSURE (MBS) 1034

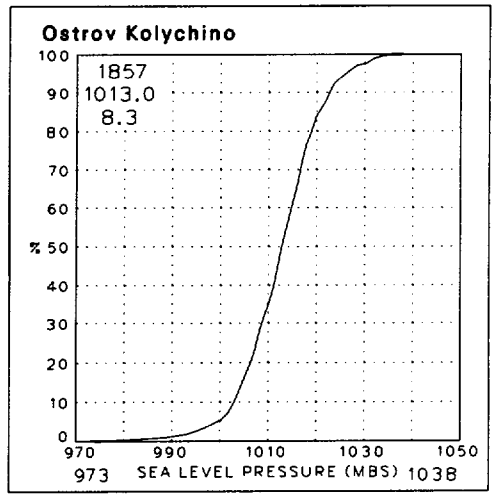

Holman
3203
1012.6
7.0
% 50
985 SEA LEVEL PRESSURE (MBS) 1033

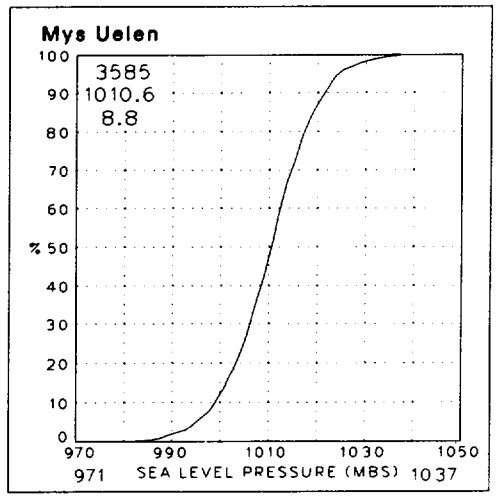


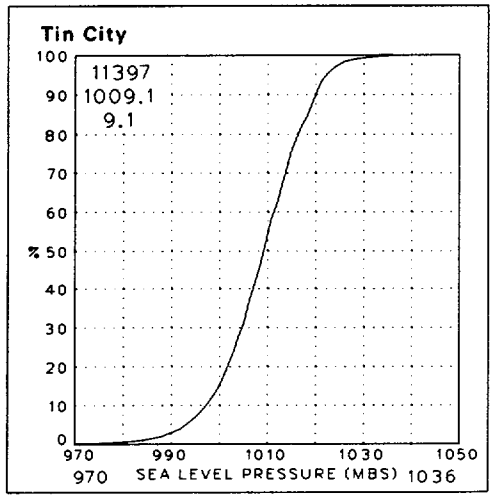
10 Mean Sea Level Pressure and Vector Mean Wind **August**

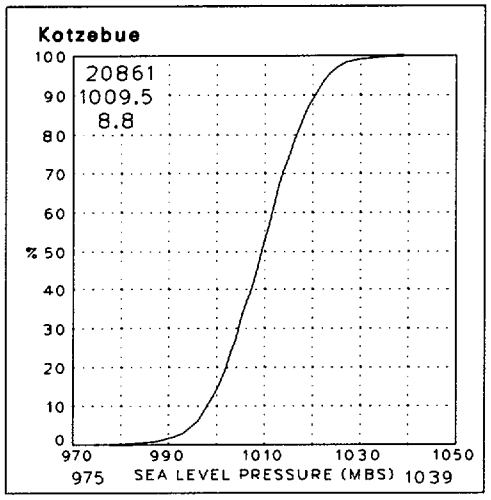

Ostrov Vrangelja
3315
1014.9
8.4
982 SEA LEVEL PRESSURE (MBS) 1041

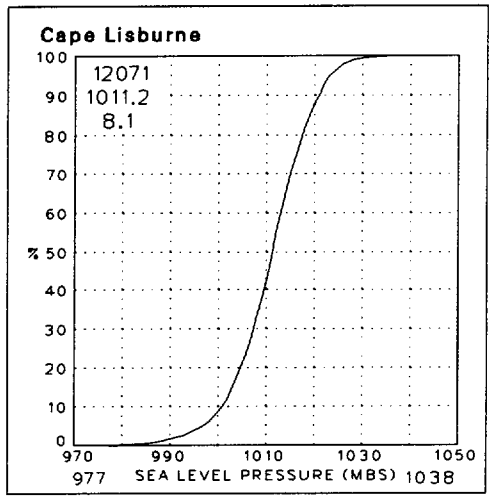

Mys Shmidta
3537
1014.1
8.4
979 SEA LEVEL PRESSURE (MBS) 1038

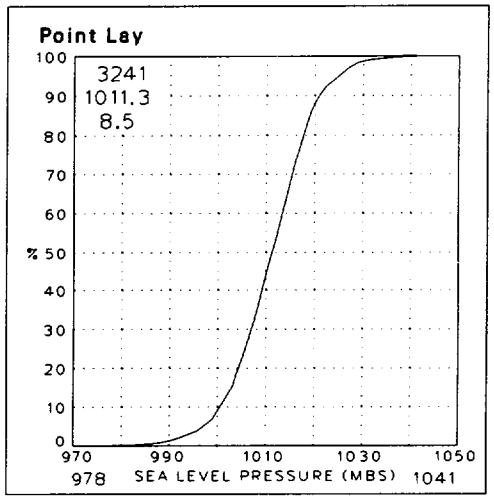

Ostrov Kolychino
1857
1013.0
8.3
973 SEA LEVEL PRESSURE (MBS) 1038

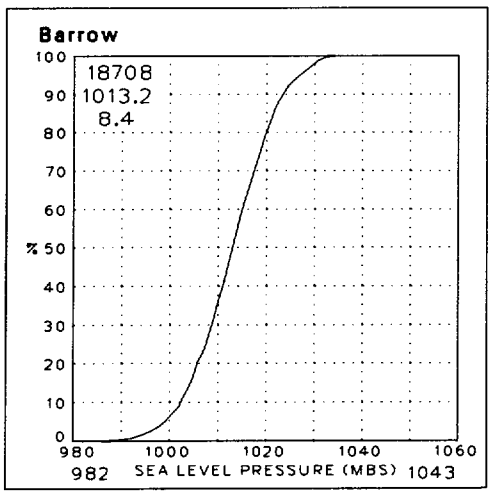

Mys Uelen
3585
1010.6
8.8
971 SEA LEVEL PRESSURE (MBS) 1037

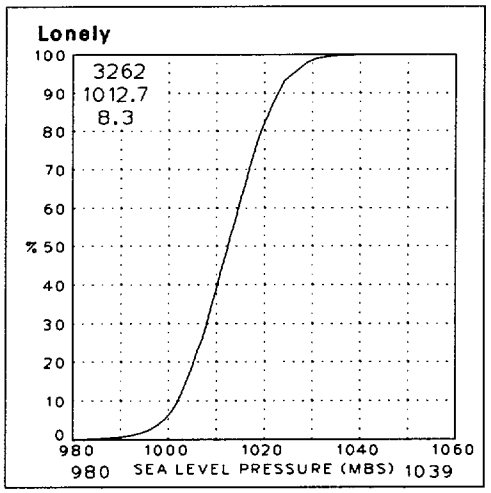

Tin City
11397
1009.1
9.1
970 SEA LEVEL PRESSURE (MBS) 1036

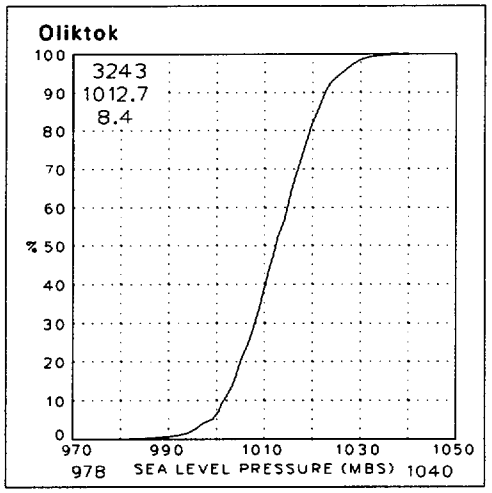

Kotzebue
20861
1009.5
8.8
975 SEA LEVEL PRESSURE (MBS) 1039

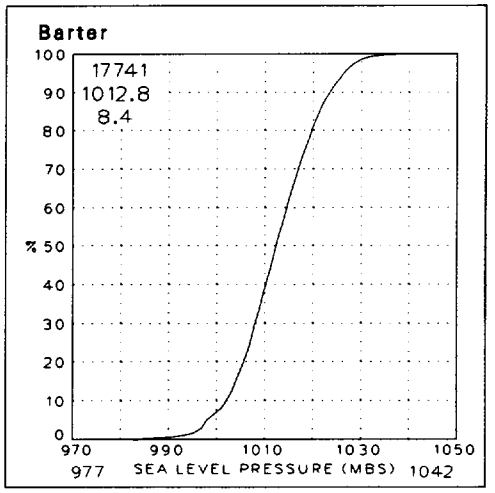

Cape Lisburne
12071
1011.2
8.1
977 SEA LEVEL PRESSURE (MBS) 1038

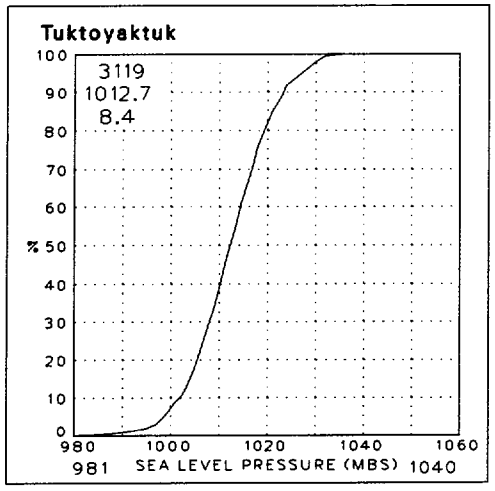

Point Lay
3241
1011.3
8.5
978 SEA LEVEL PRESSURE (MBS) 1041

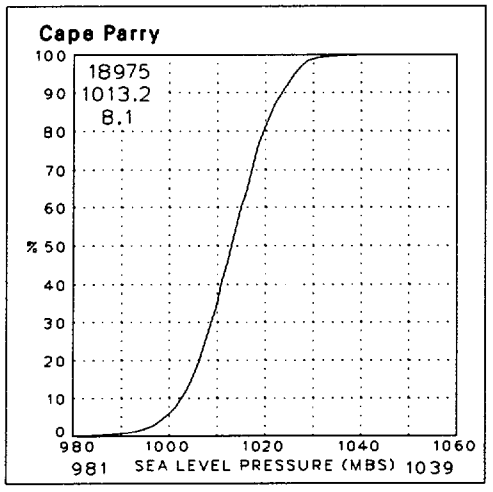

Barrow
18708
1013.2
8.4
982 SEA LEVEL PRESSURE (MBS) 1043

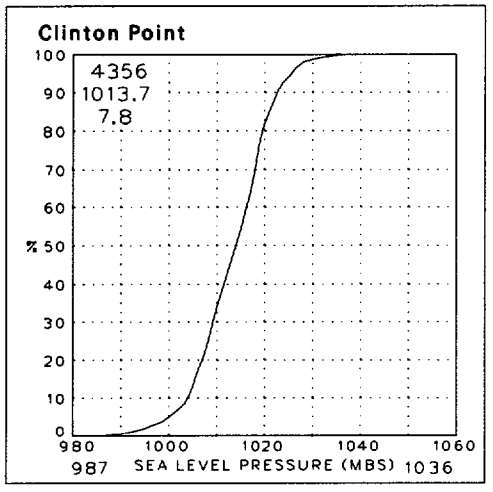

Lonely
3262
1012.7
8.3
980 SEA LEVEL PRESSURE (MBS) 1039

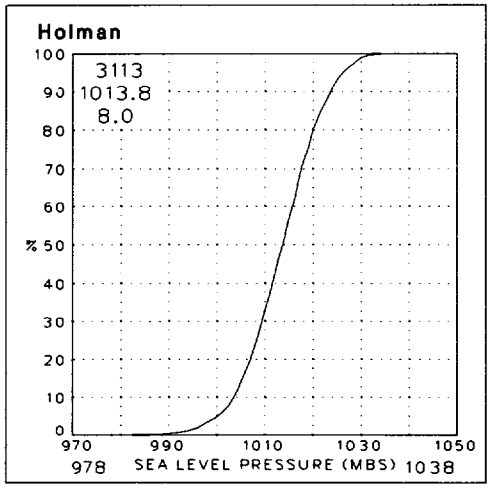

Oliktok
3243
1012.7
8.4
978 SEA LEVEL PRESSURE (MBS) 1040

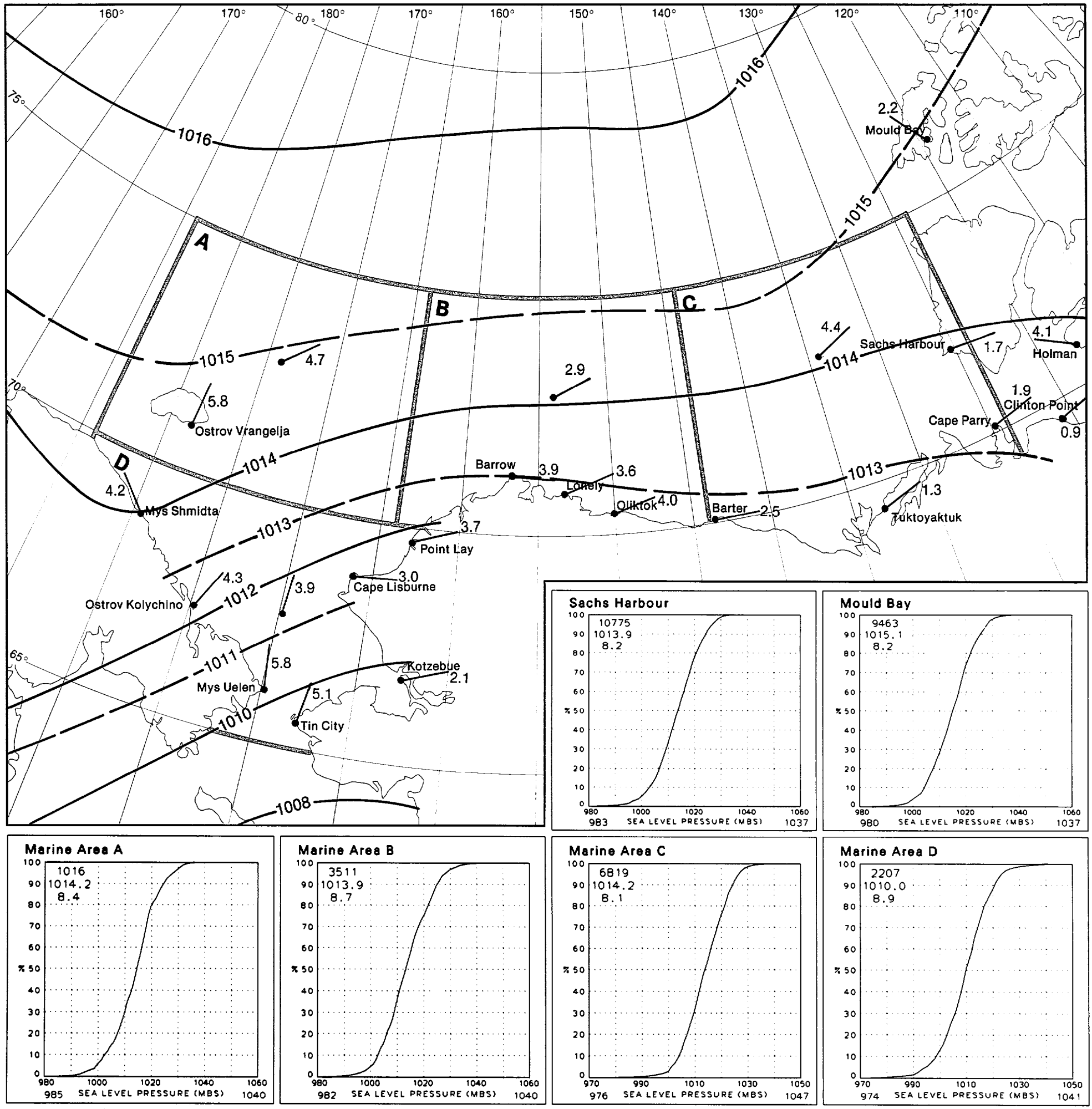

Barter
17741
1012.8
8.4
977 SEA LEVEL PRESSURE (MBS) 1042


Tuktoyaktuk
3119
1012.7
8.4
981 SEA LEVEL PRESSURE (MBS) 1040

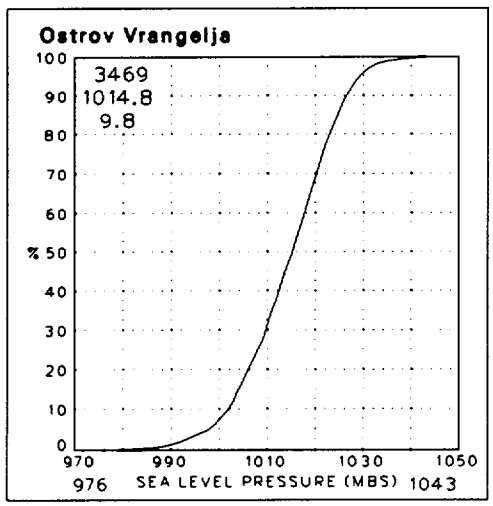

Cape Parry
18975
1013.2
8.1
981 SEA LEVEL PRESSURE (MBS) 1039

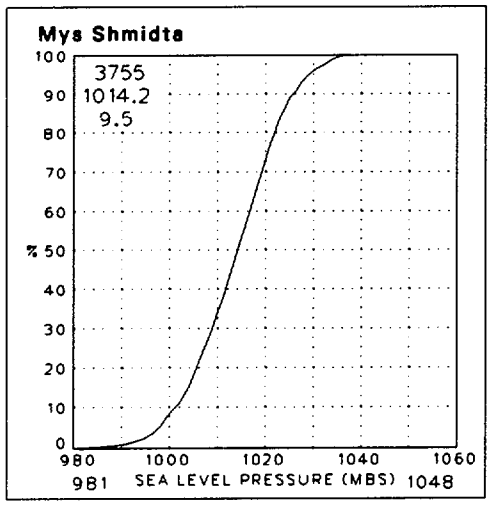

Clinton Point
4356
1013.7
7.8
987 SEA LEVEL PRESSURE (MBS) 1036

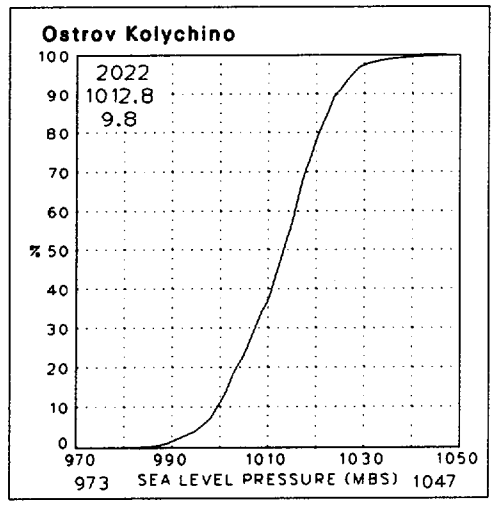

Holman
3113
1013.8
8.0
978 SEA LEVEL PRESSURE (MBS) 1038

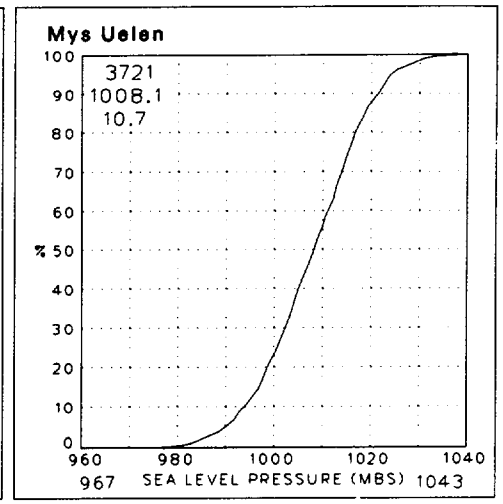


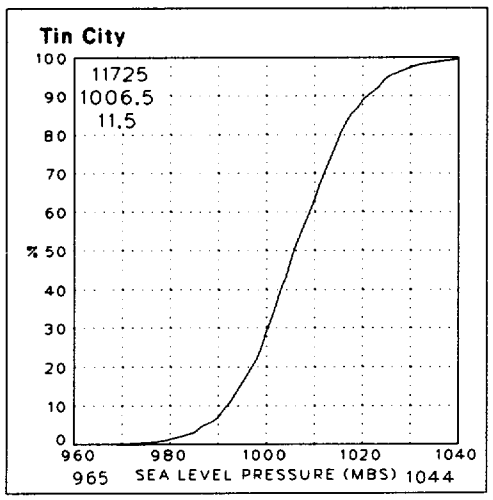
10 Mean Sea Level Pressure and Vector Mean Wind **September**

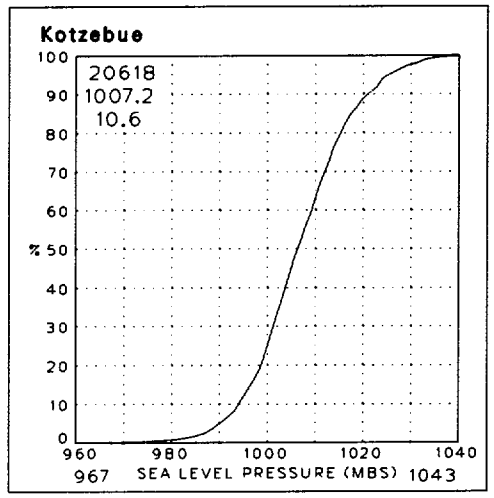

Ostrov Vrangelja
3469
1014.8
9.8
% 50
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1043

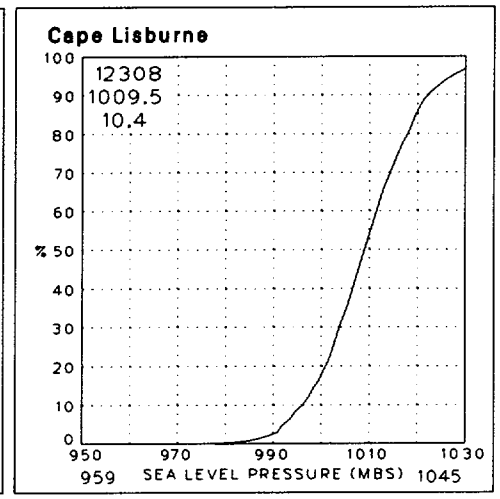

Mys Shmidta
3755
1014.2
9.5
% 50
980 1000 1020 1040 1060
981 SEA LEVEL PRESSURE (MBS) 1048

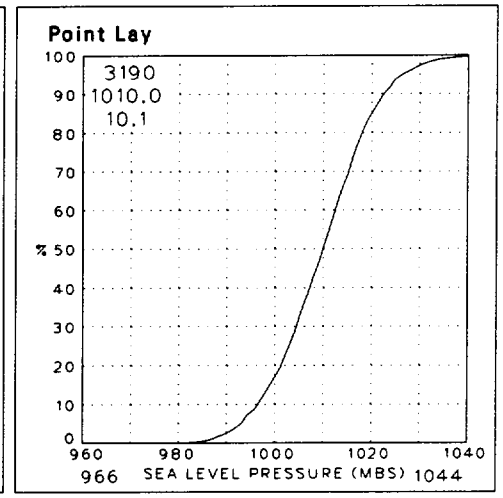

Ostrov Kolychino
2022
1012.8
9.8
% 50
970 990 1010 1030 1050
973 SEA LEVEL PRESSURE (MBS) 1047

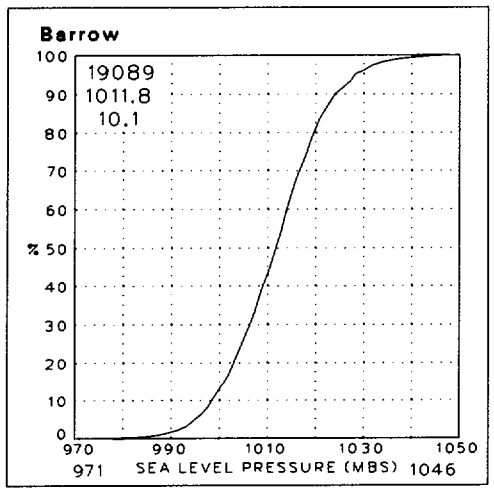

Mys Uelen
3721
1008.1
10.7
% 50
960 980 1000 1020 1040
967 SEA LEVEL PRESSURE (MBS) 1043

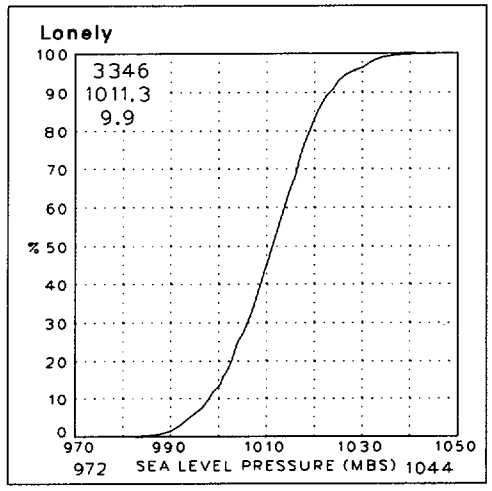

Tin City
11725
1006.5
11.5
% 50
960 980 1000 1020 1040
965 SEA LEVEL PRESSURE (MBS) 1044

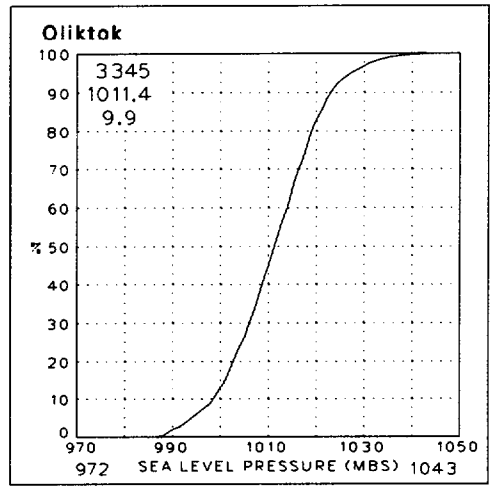

Kotzebue
20618
1007.2
10.6
% 50
960 980 1000 1020 1040
967 SEA LEVEL PRESSURE (MBS) 1043

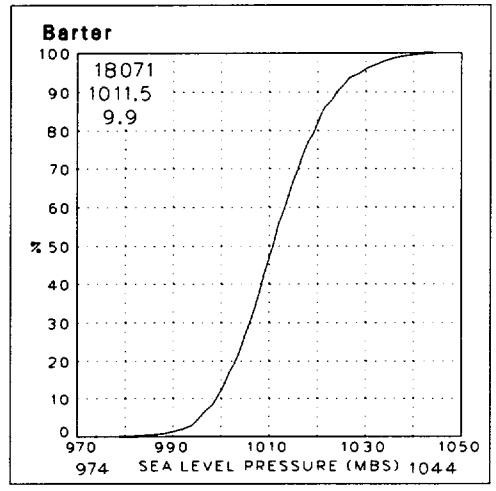

Cape Lisburne
12308
1009.5
10.4
% 50
950 970 990 1010 1030
959 SEA LEVEL PRESSURE (MBS) 1045

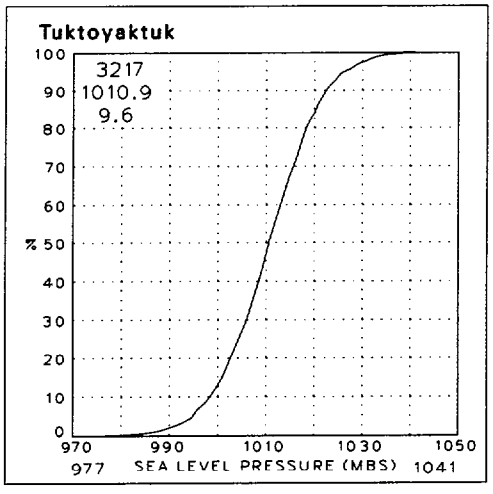

Point Lay
3190
1010.0
10.1
% 50
960 980 1000 1020 1040
966 SEA LEVEL PRESSURE (MBS) 1044

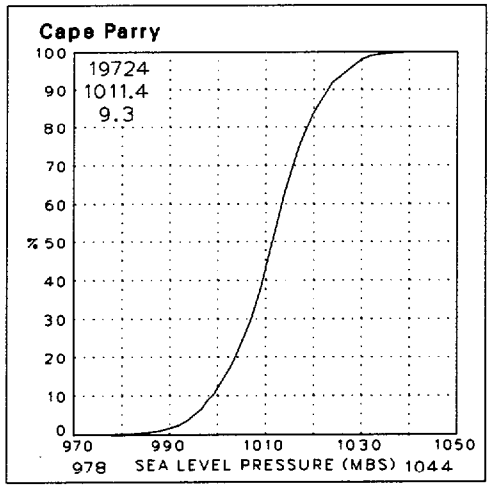

Barrow
19089
1011.8
10.1
% 50
970 990 1010 1030 1050
971 SEA LEVEL PRESSURE (MBS) 1046

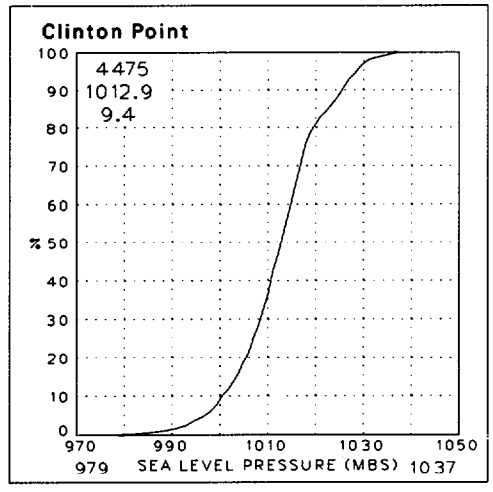

Lonely
3346
1011.3
9.9
% 50
970 990 1010 1030 1050
972 SEA LEVEL PRESSURE (MBS) 1044

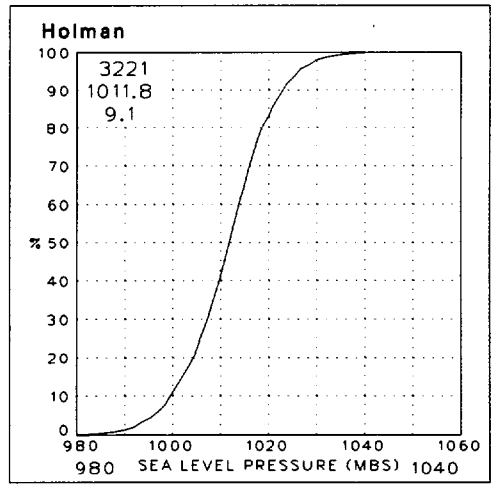

Oliktok
3345
1011.4
9.9
% 50
970 990 1010 1030 1050
972 SEA LEVEL PRESSURE (MBS) 1043

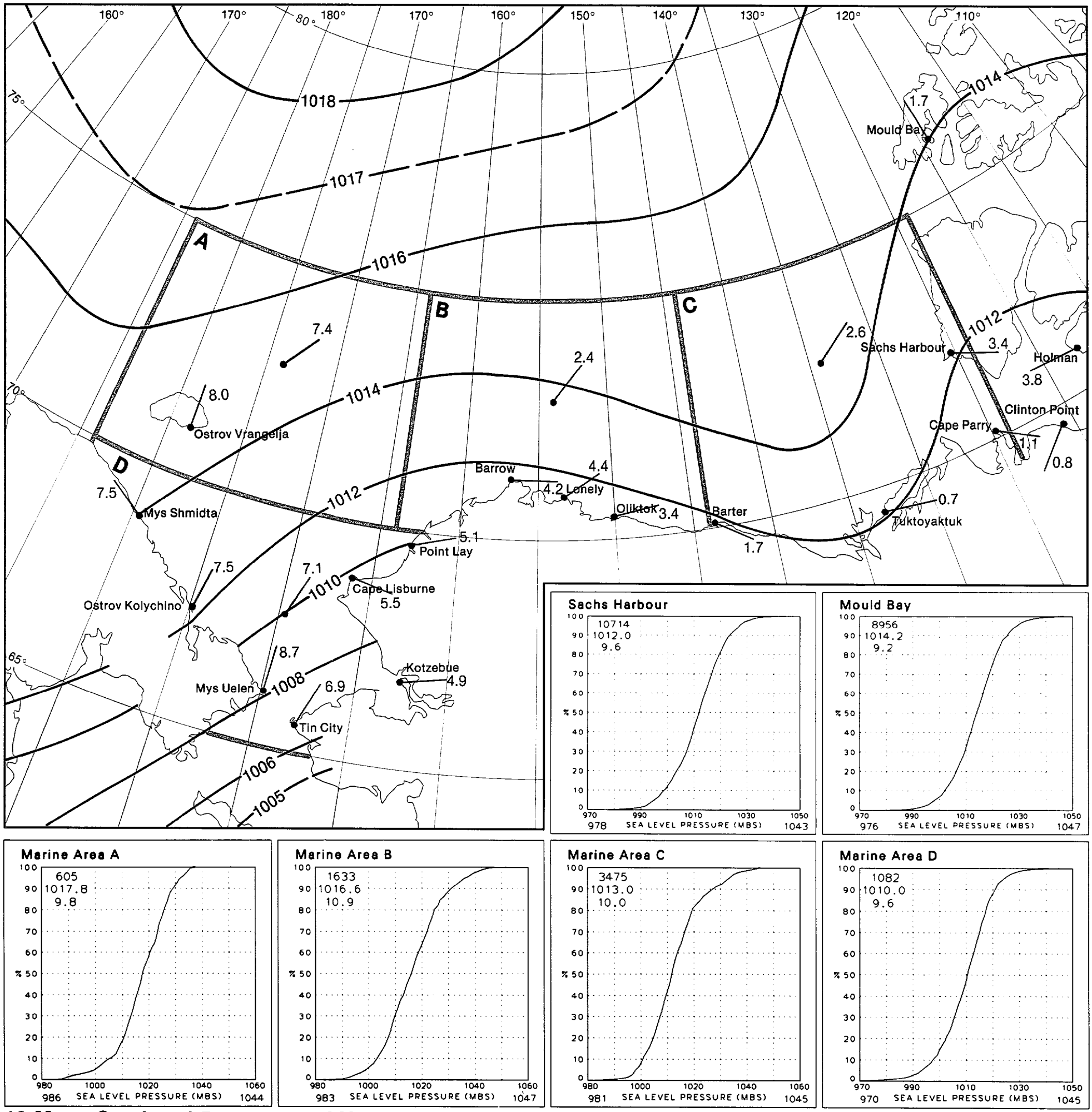

Barter
18071
1011.5
9.9
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1044


Tuktoyaktuk
3217
1010.9
9.6
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1041

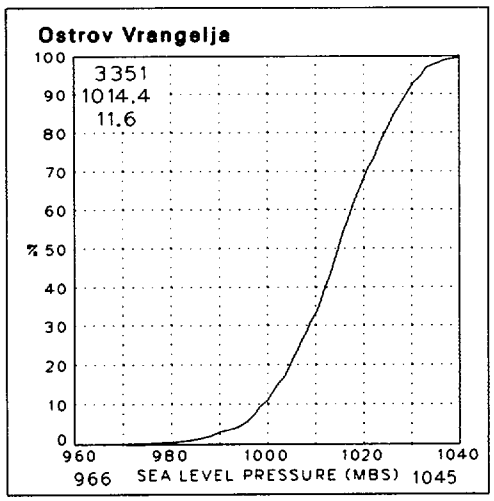

Cape Parry
19724
1011.4
9.3
% 50
970 990 1010 1030 1050
978 SEA LEVEL PRESSURE (MBS) 1044

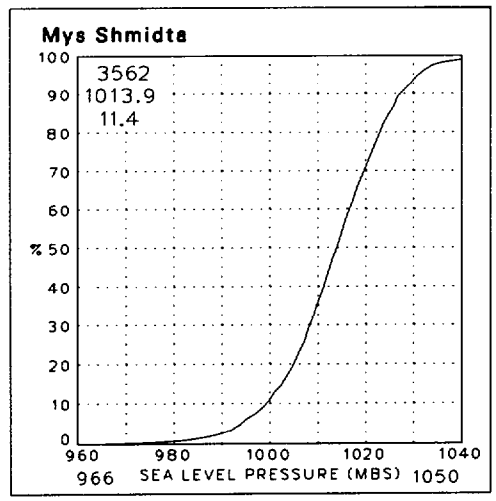

Clinton Point
4475
1012.9
9.4
% 50
970 990 1010 1030 1050
979 SEA LEVEL PRESSURE (MBS) 1037

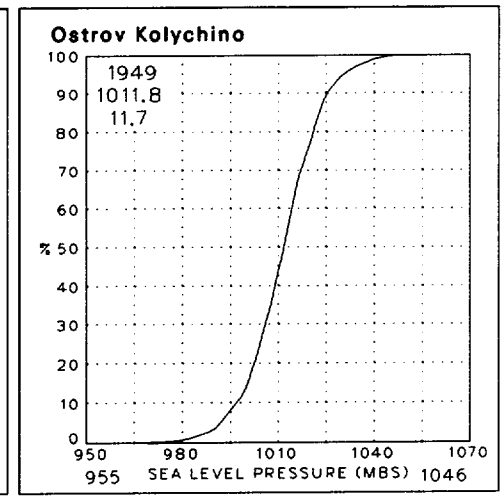

Holman
3221
1011.8
9.1
% 50
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1040

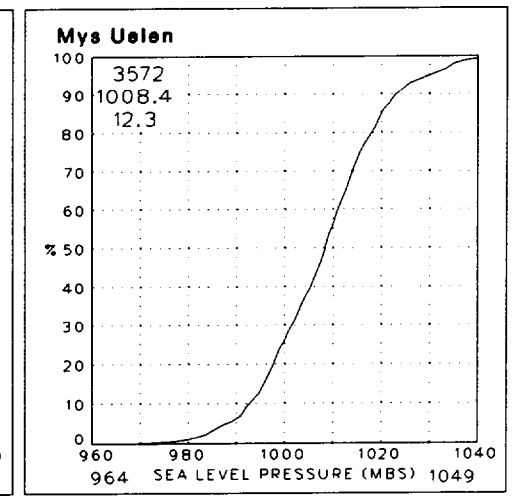


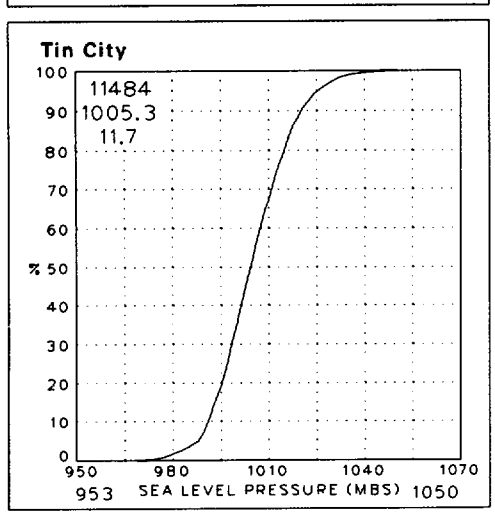
10 Mean Sea Level Pressure and Vector Mean Wind **October**

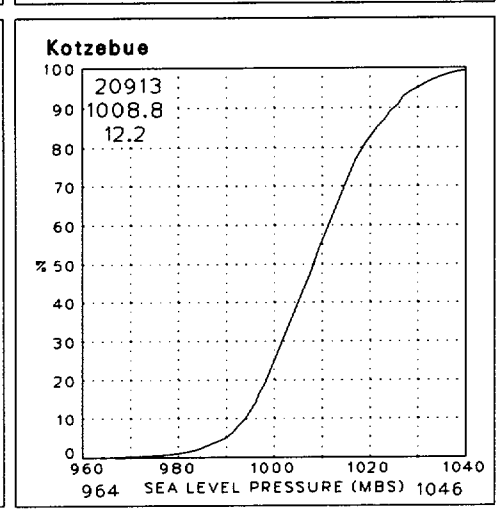

Ostrov Vrangelja
3351
1014.4
11.6
% 50
960 980 1000 1020 1040
966 SEA LEVEL PRESSURE (MBS) 1045

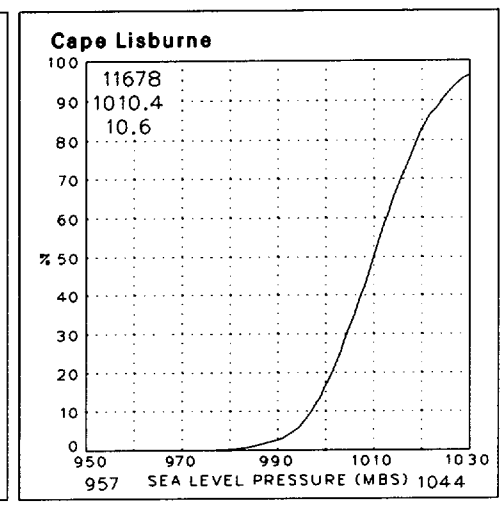

Mys Shmidta
3562
1013.9
11.4
% 50
960 980 1000 1020 1040
966 SEA LEVEL PRESSURE (MBS) 1050

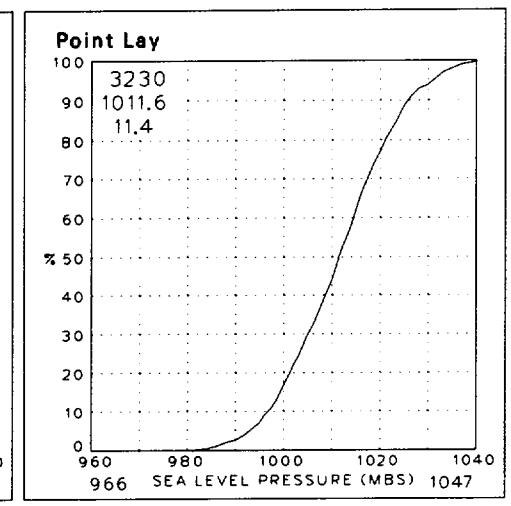

Ostrov Kolychino
1949
1011.8
11.7
% 50
950 980 1010 1040 1070
955 SEA LEVEL PRESSURE (MBS) 1046

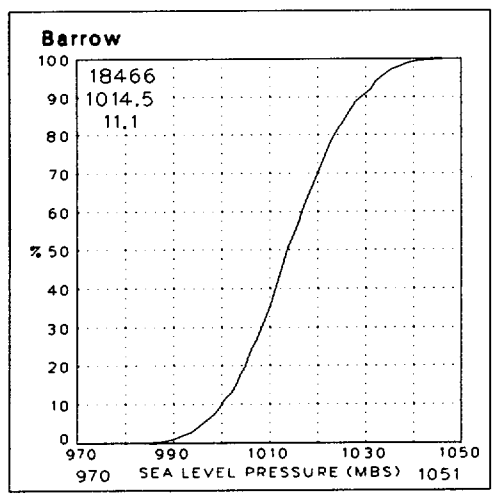

Mys Uelen
3572
1008.4
12.3
% 50
960 980 1000 1020 1040
964 SEA LEVEL PRESSURE (MBS) 1049

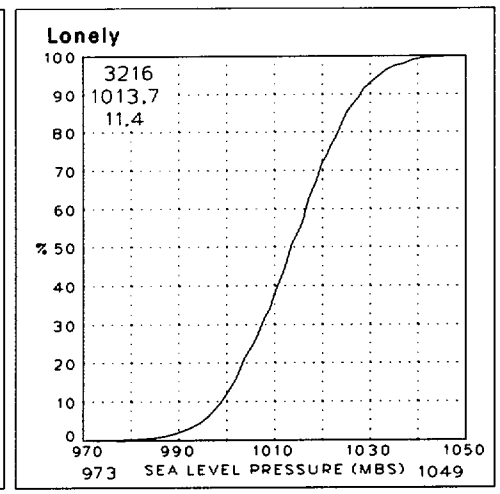

Tin City
11484
1005.3
11.7
% 50
950 980 1010 1040 1070
953 SEA LEVEL PRESSURE (MBS) 1050

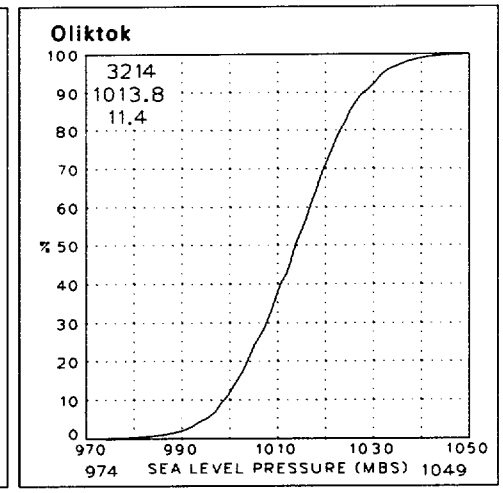

Kotzebue
20913
1008.8
12.2
% 50
960 980 1000 1020 1040
964 SEA LEVEL PRESSURE (MBS) 1046

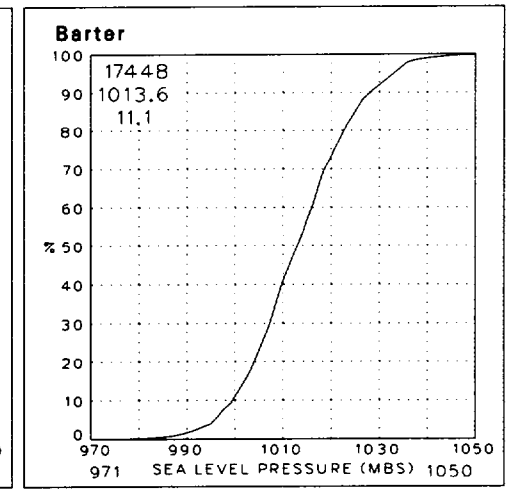

Cape Lisburne
11678
1010.4
10.6
% 50
950 970 990 1010 1030
957 SEA LEVEL PRESSURE (MBS) 1044

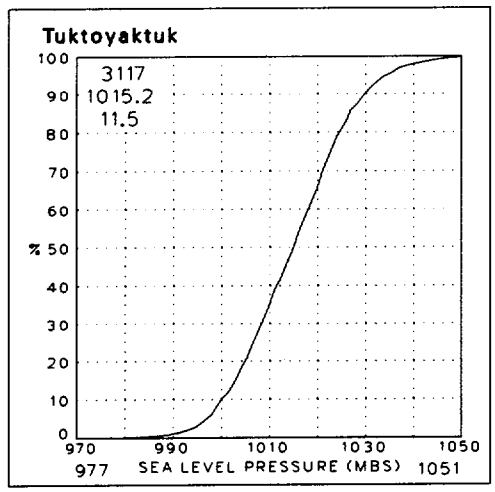

Point Lay
3230
1011.6
11.4
% 50
960 980 1000 1020 1040
966 SEA LEVEL PRESSURE (MBS) 1047

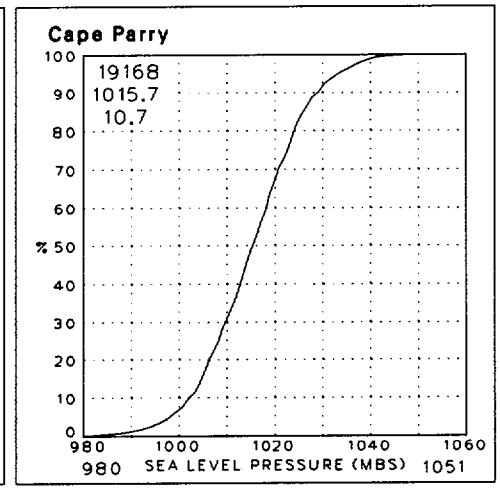

Barrow
18466
1014.5
11.1
% 50
970 990 1010 1030 1050
970 SEA LEVEL PRESSURE (MBS) 1051

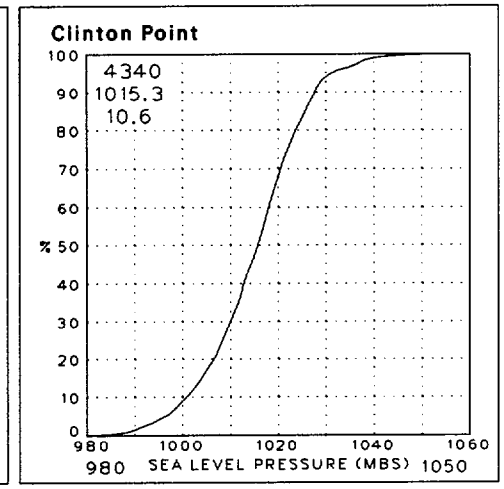

Lonely
3216
1013.7
11.4
% 50
970 990 1010 1030 1050
973 SEA LEVEL PRESSURE (MBS) 1049

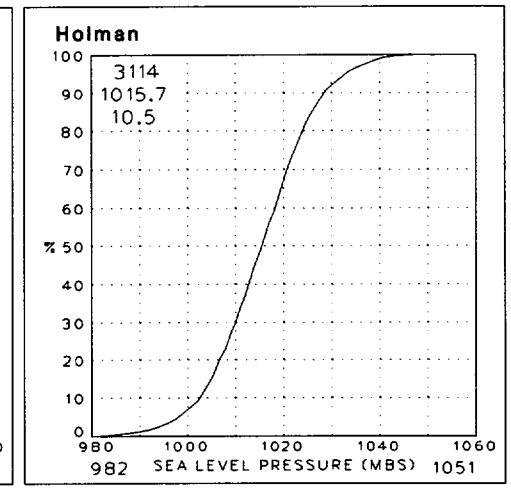

Oliktok
3214
1013.8
11.4
% 50
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1049

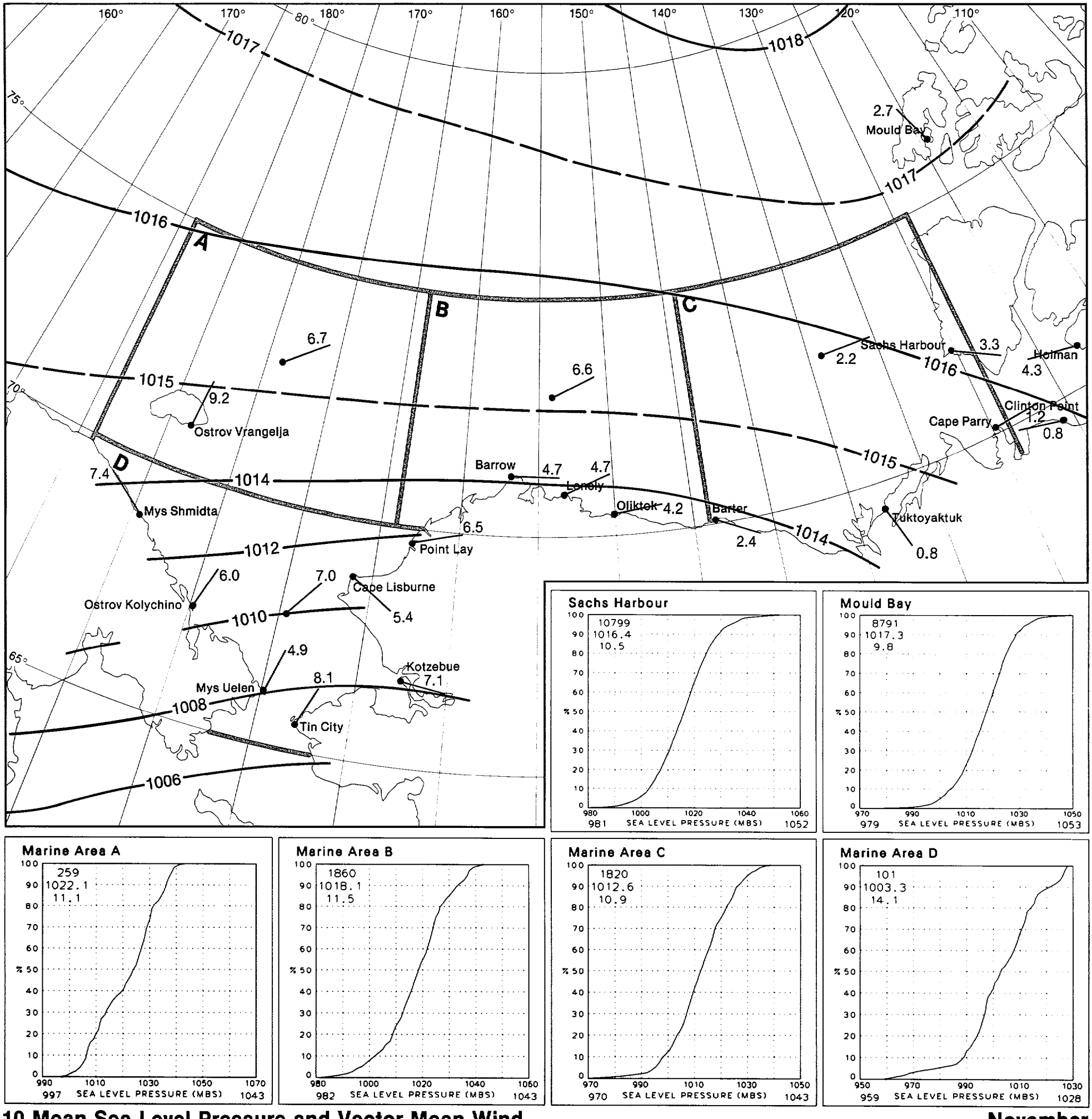

Barter
17448
1013.6
11.1
% 50
970 990 1010 1030 1050
971 SEA LEVEL PRESSURE (MBS) 1050


Tuktoyaktuk
3117
1015.2
11.5
% 50
970 990 1010 1030 1050
977 SEA LEVEL PRESSURE (MBS) 1051

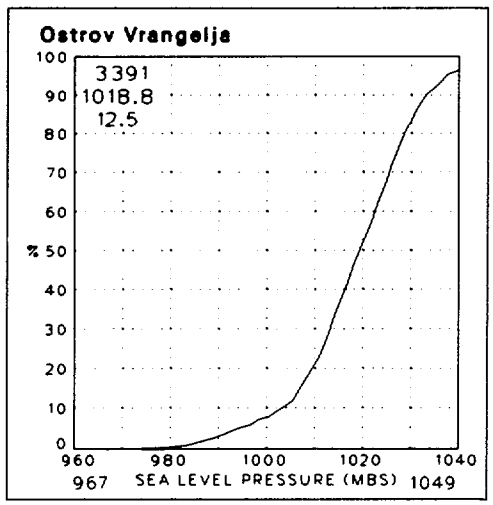

Cape Parry
19168
1015.7
10.7
% 50
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1051

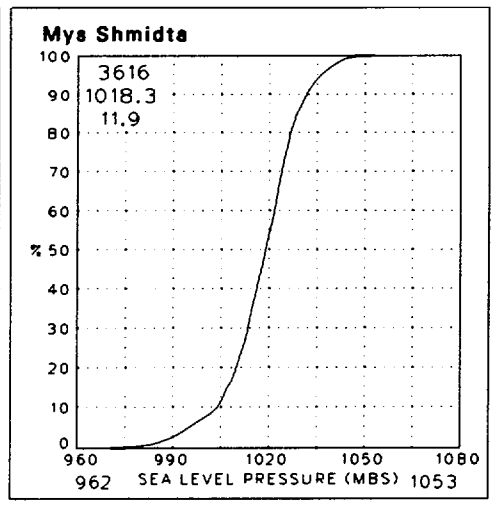

Clinton Point
4340
1015.3
10.6
% 50
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1050

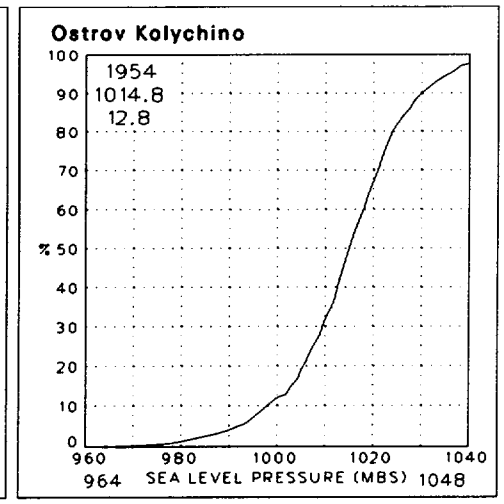

Holman
3114
1015.7
10.5
% 50
980 1000 1020 1040 1060
982 SEA LEVEL PRESSURE (MBS) 1051

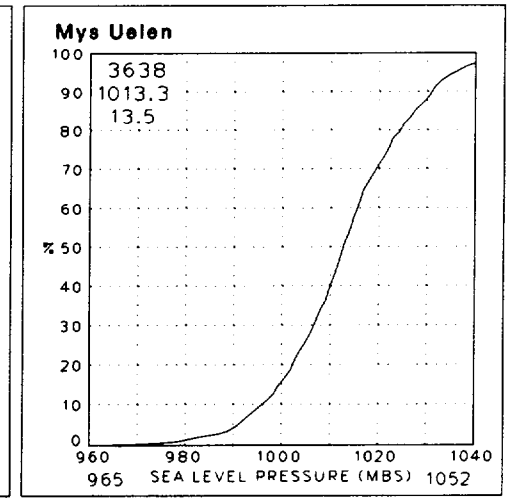


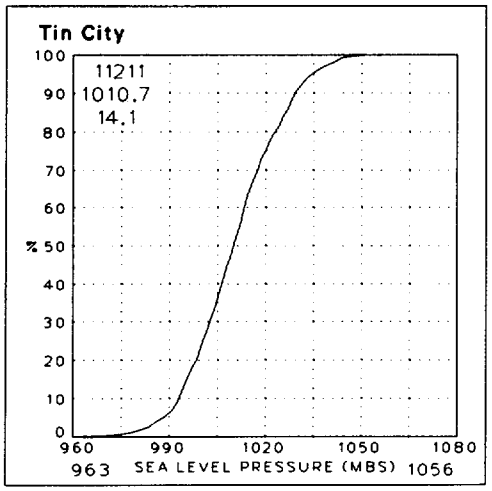
10 Mean Sea Level Pressure and Vector Mean Wind **November**

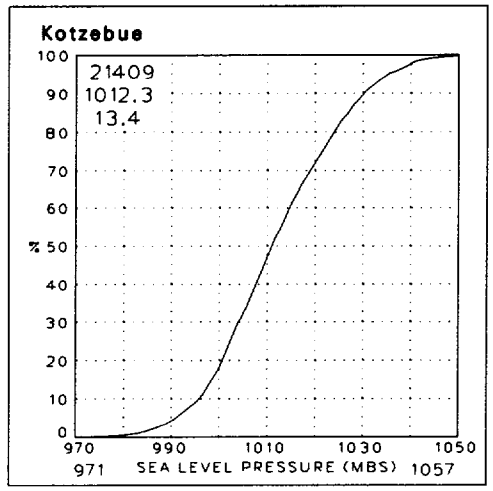

Ostrov Vrangelja
3391
1018.8
12.5
% 100 90 80 70 60 50 40 30 20 10 0
960 980 1000 1020 1040
967 SEA LEVEL PRESSURE (MBS) 1049

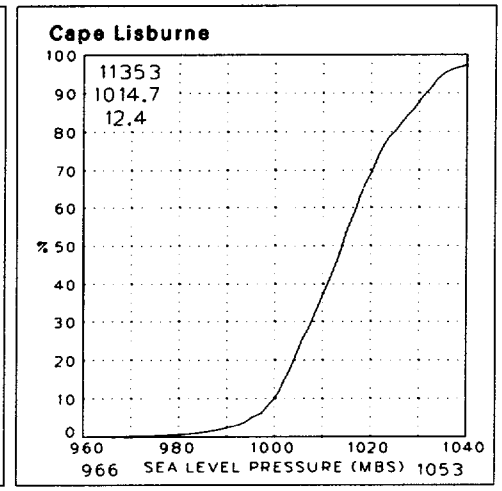

Mys Shmidta
3616
1018.3
11.9
% 100 90 80 70 60 50 40 30 20 10 0
960 990 1020 1050 1080
962 SEA LEVEL PRESSURE (MBS) 1053

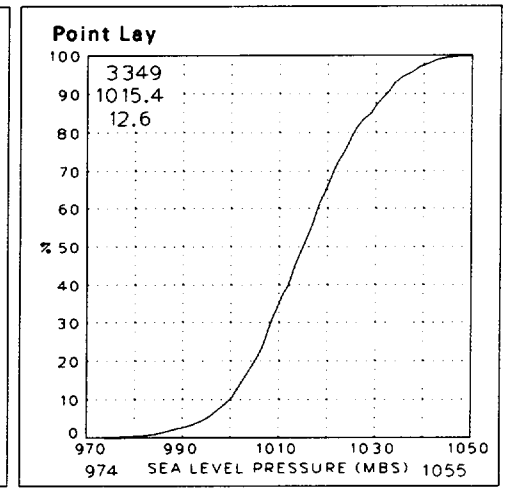

Ostrov Kolychino
1954
1014.8
12.8
% 100 90 80 70 60 50 40 30 20 10 0
960 980 1000 1020 1040
964 SEA LEVEL PRESSURE (MBS) 1048

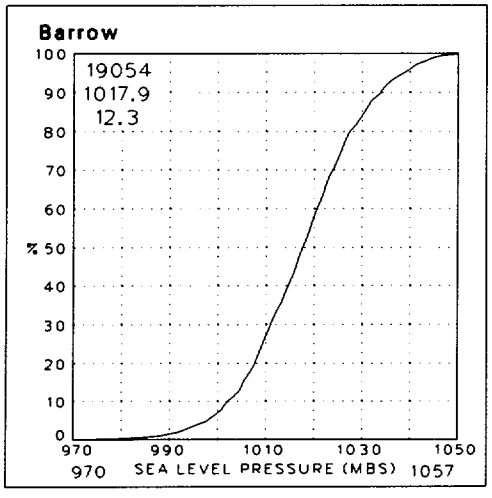

Mys Uelen
3638
1013.3
13.5
% 100 90 80 70 60 50 40 30 20 10 0
960 980 1000 1020 1040
965 SEA LEVEL PRESSURE (MBS) 1052

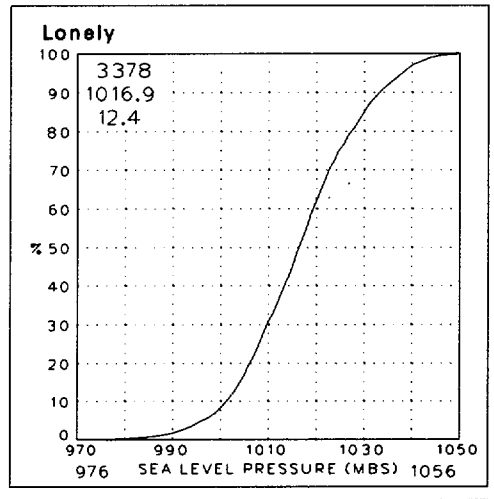

Tin City
11211
1010.7
14.1
% 100 90 80 70 60 50 40 30 20 10 0
960 990 1020 1050 1080
963 SEA LEVEL PRESSURE (MBS) 1056

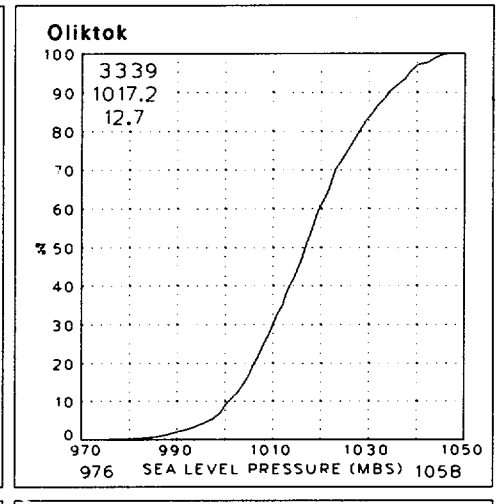

Kotzebue
21409
1012.3
13.4
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
971 SEA LEVEL PRESSURE (MBS) 1057

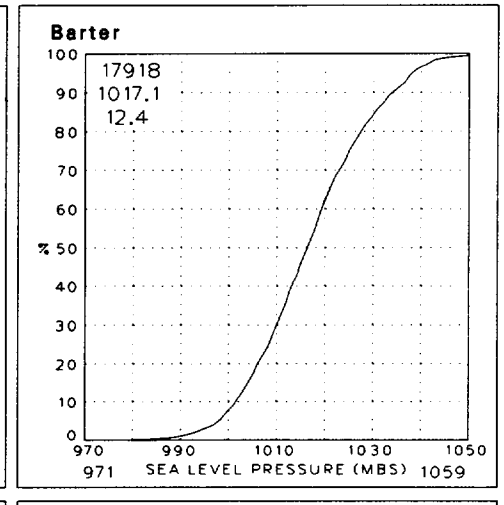

Cape Lisburne
11353
1014.7
12.4
% 100 90 80 70 60 50 40 30 20 10 0
960 980 1000 1020 1040
966 SEA LEVEL PRESSURE (MBS) 1053

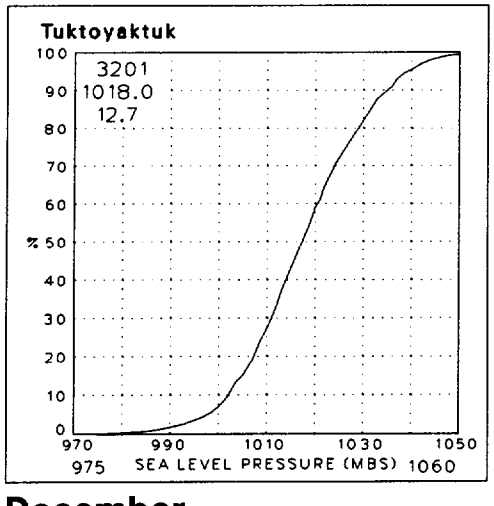

Point Lay
3349
1015.4
12.6
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
974 SEA LEVEL PRESSURE (MBS) 1055

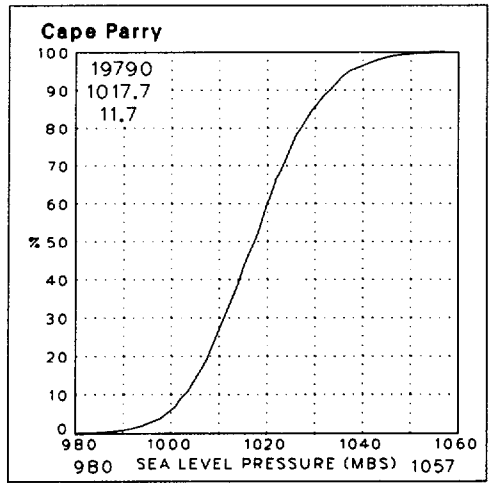

Barrow
19054
1017.9
12.3
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
970 SEA LEVEL PRESSURE (MBS) 1057

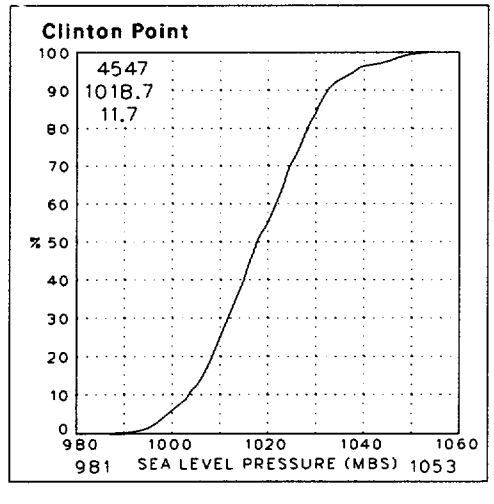

Lonely
3378
1016.9
12.4
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1056

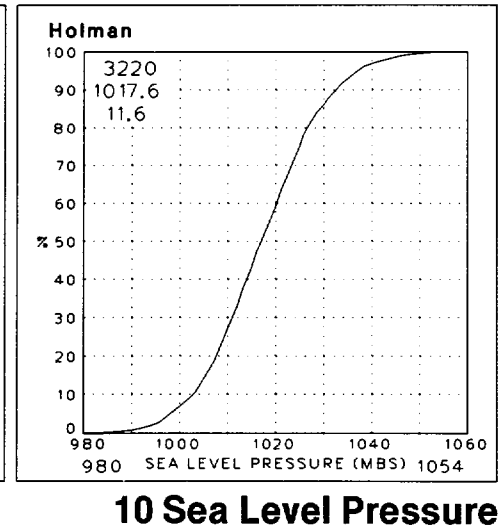

Oliktok
3339
1017.2
12.7
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
976 SEA LEVEL PRESSURE (MBS) 1058

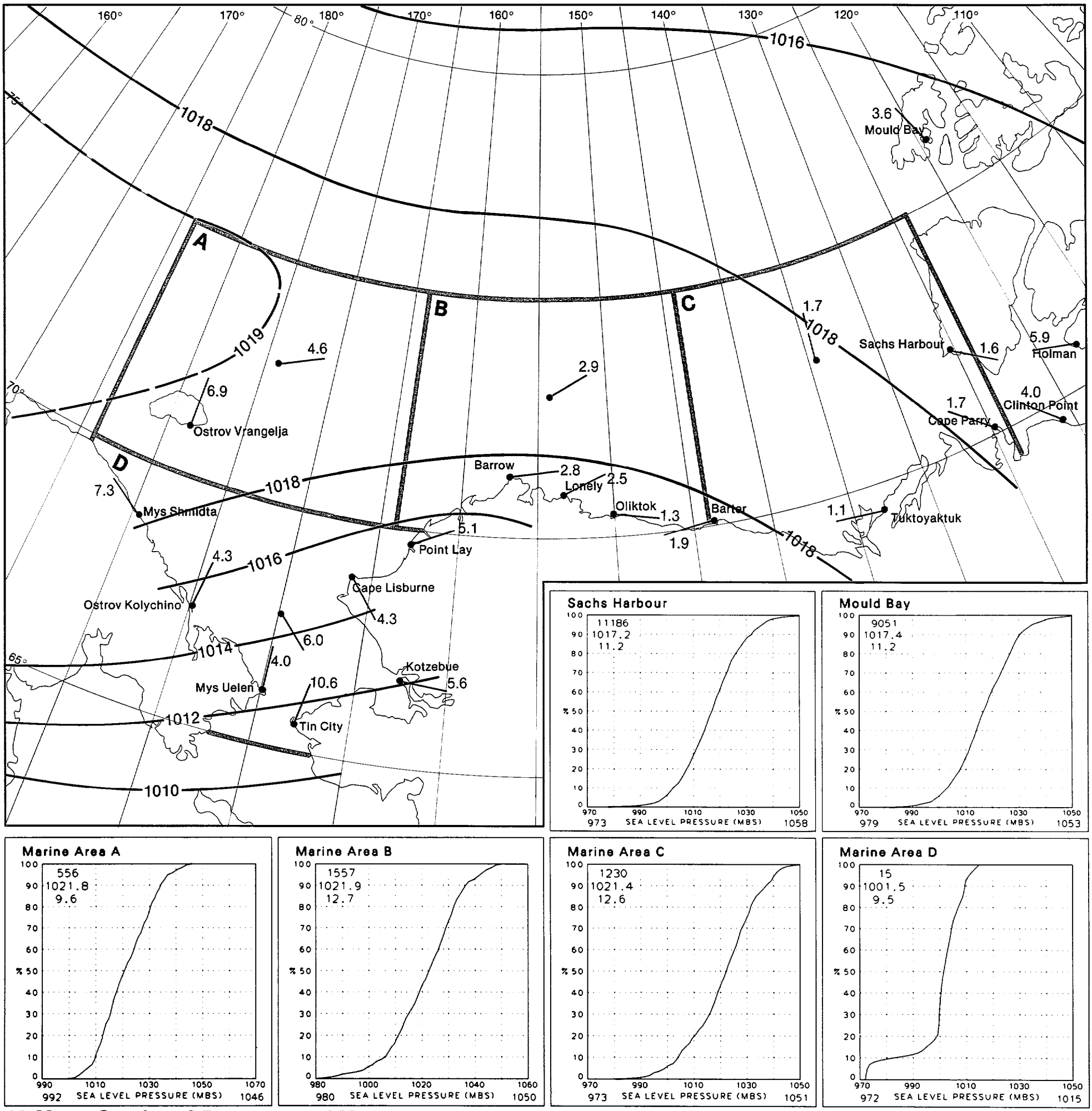

Barter
17918
1017.1
12.4
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
971 SEA LEVEL PRESSURE (MBS) 1059


Tuktoyaktuk
3201
1018.0
12.7
% 100 90 80 70 60 50 40 30 20 10 0
970 990 1010 1030 1050
975 SEA LEVEL PRESSURE (MBS) 1060


Cape Parry
19790
1017.7
11.7
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1057


Clinton Point
4547
1018.7
11.7
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
981 SEA LEVEL PRESSURE (MBS) 1053


Holman
3220
1017.6
11.6
% 100 90 80 70 60 50 40 30 20 10 0
980 1000 1020 1040 1060
980 SEA LEVEL PRESSURE (MBS) 1054



10 Mean Sea Level Pressure and Vector Mean Wind **December**

Map 11. Wind speed ≦10 and ≧34 knots

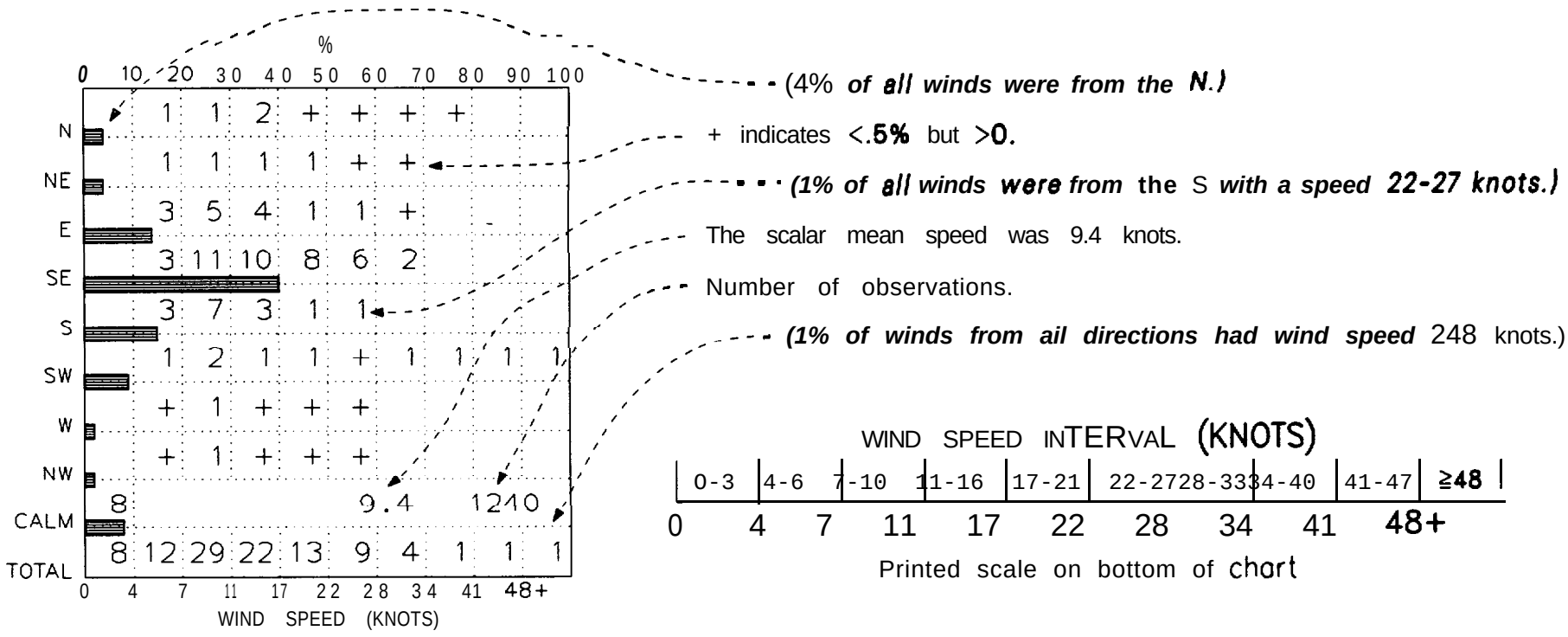
BLACK LINE – Percent frequency of wind speed ≦10 knots (512 mph).

BLUE LINE – Percent frequency of wind speed ≧34 knots (≧39 mph).

Albers Equal-Area Conic Projection

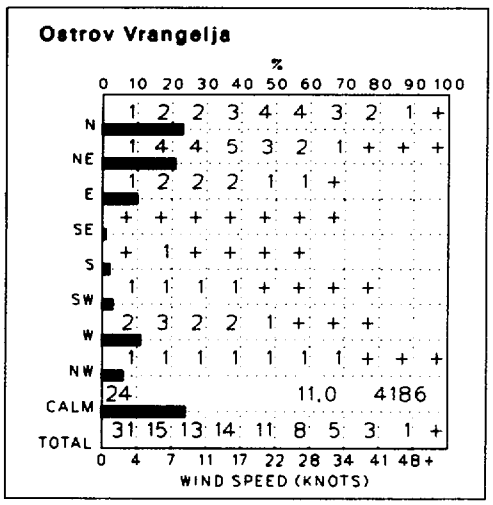
Graphs: Wind speed/direction

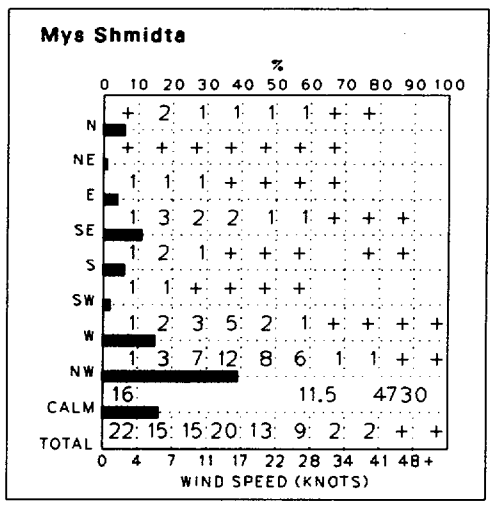
Direction frequency (top scale): Bars represent percent frequency of winds observed from each direction. Speed frequency (bottom scale): Printed figures represent percent frequency of wind speeds observed from each direction.

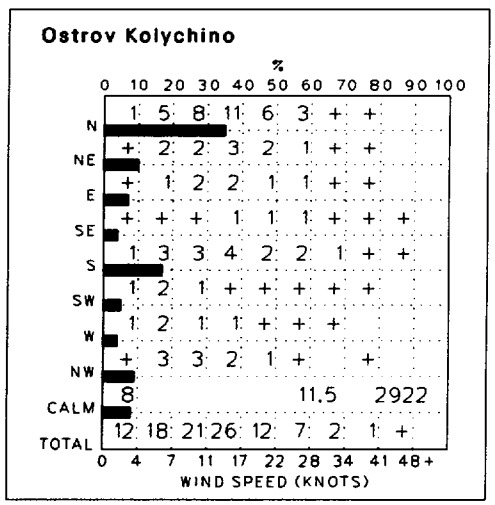


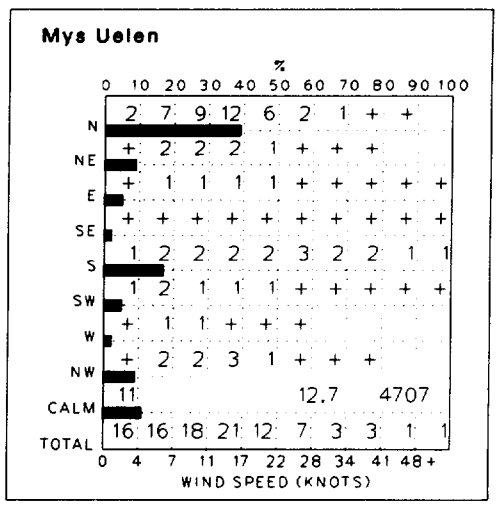
The scalar mean wind speed on the graph is based on the number of observations reporting a wind speed with direction. The sum of the TOTAL line provides the cumulative percent frequency of wind speed below a selected threshold value. In the legend graph, 71% of all winds were less than 17 knots (20 mph). The sum of the percent frequencies of the four wind speed isopleths for a given month and location on Map Sets 11 and 12 should equal 100%.

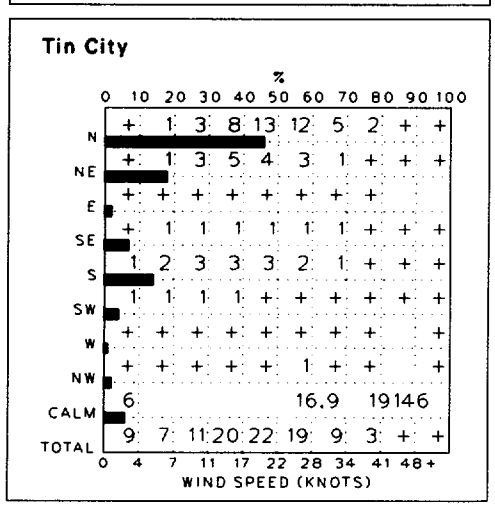
Surface wind is one of the most commonly observed elements. Many of the observations from the NCDC data base are visual observations based on the roughness of the sea (see table in text of Set 14). In recent years, more ships acquired anemometers and reported measured winds. Prior to 1963, many of the winds were recorded in the Beaufort scale; such estimates have proven to be quite reliable and can be used with a high degree of confidence.

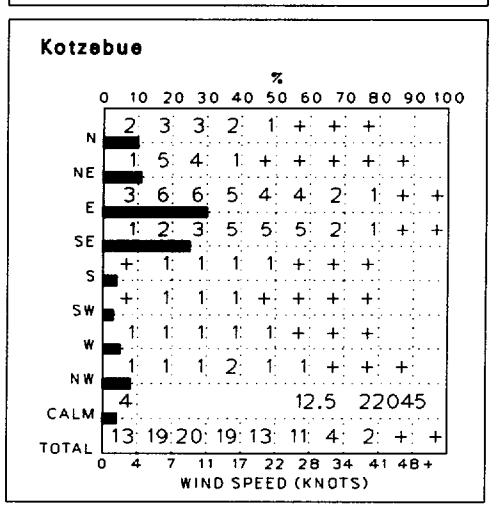

Ostrov Vrangelja
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 3 4 4 3 2 1 +
NE 1 4 4 5 3 2 1 + + +
E 1 2 2 2 1 1 +
SE + + + + + + +
S + 1 + + + +
SW 1 1 1 1 + + + +
W 2 3 2 2 1 + + +
NW 1 1 1 1 1 1 1 + + +
CALM 24 11.0 4186
TOTAL 31 15 13 14 11 8 5 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

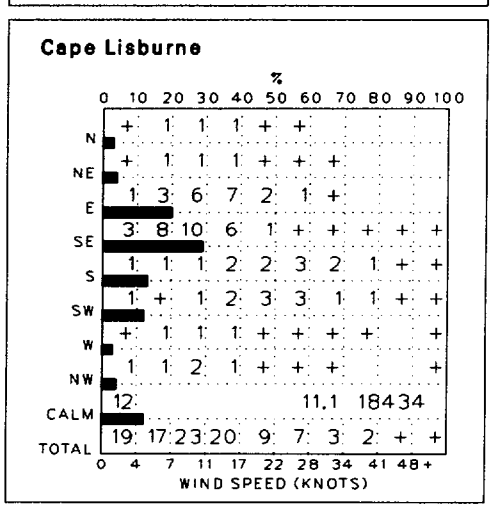

Mys Shmidta
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 1 1 1 1 + +
NE + + + + + + +
E 1 1 1 + + + +
SE 1 3 2 2 1 1 + + +
S 1 2 1 + + + + +
SW 1 1 + + + +
W 1 2 3 5 2 1 + + + +
NW 1 3 7 12 8 6 1 1 + +
CALM 16 11.5 4730
TOTAL 22 15 15 20 13 9 2 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

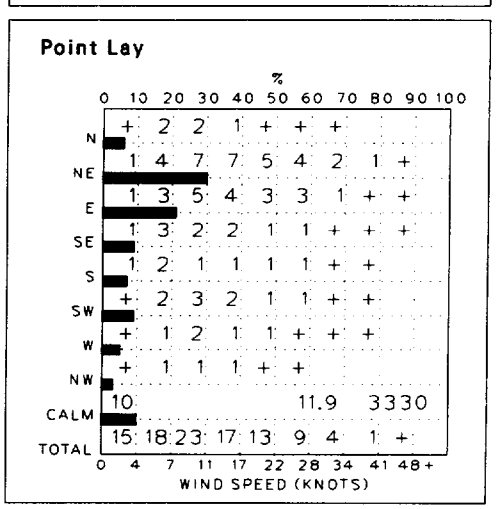

Ostrov Kolychino
% 0 10 20 30 40 50 60 70 80 90 100
N 1 5 8 11 6 3 + +
NE + 2 2 3 2 1 + +
E + 1 2 2 1 1 + +
SE + + + 1 1 1 + + +
S 1 3 3 4 2 2 1 + +
SW 1 2 1 + + + + +
W 1 2 1 1 + + +
NW + 3 3 2 1 + +
CALM 8 11.5 2922
TOTAL 12 18 21 26 12 7 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

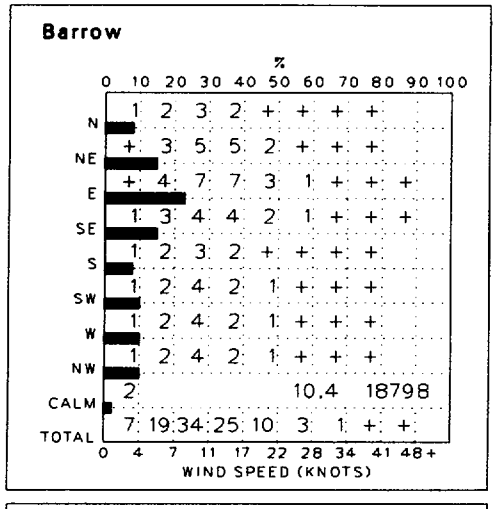

Mys Uelen
% 0 10 20 30 40 50 60 70 80 90 100
N 2 7 9 12 6 2 1 + +
NE + 2 2 2 1 + + +
E + 1 1 1 1 + + + + +
SE + + + + + + + + + +
S 1 2 2 2 2 3 2 2 1 1
SW 1 2 1 1 1 + + + + +
W + 1 1 + + +
NW + 2 2 3 1 + + +
CALM 11 12.7 4707
TOTAL 16 16 18 21 12 7 3 3 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

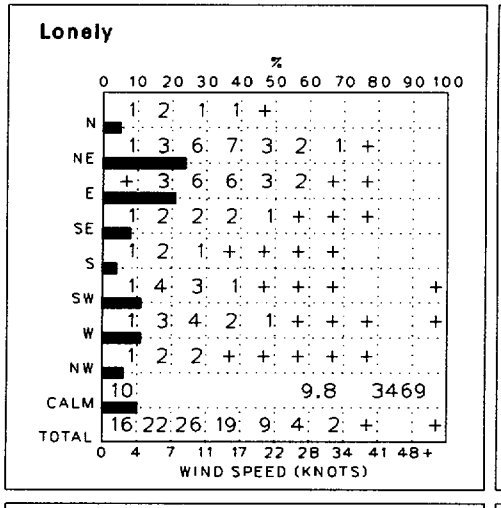

Tin City
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 3 8 13 12 5 2 + +
NE + 1 3 5 4 3 1 + + +
E + + + + + + + +
SE + 1 1 1 1 1 1 + + +
S 1 2 3 3 3 2 1 + + +
SW 1 1 1 1 + + + + + +
W + + + + + + + + +
NW + + + + + 1 + + +
CALM 6 16.9 19146
TOTAL 9 7 11 20 22 19 9 3 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

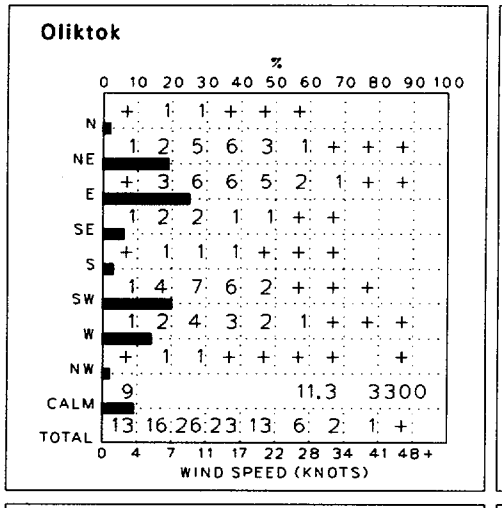

Kotzebue
% 0 10 20 30 40 50 60 70 80 90 100
N 2 3 3 2 1 + + +
NE 1 5 4 1 + + + + +
E 3 6 6 5 4 4 2 1 + +
SE 1 2 3 5 5 5 2 1 + +
S + 1 1 1 1 + + +
SW + 1 1 1 + + + +
W 1 1 1 1 1 + + +
NW 1 1 1 2 1 1 + + +
CALM 4 12.5 22045
TOTAL 13 19 20 19 13 11 4 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

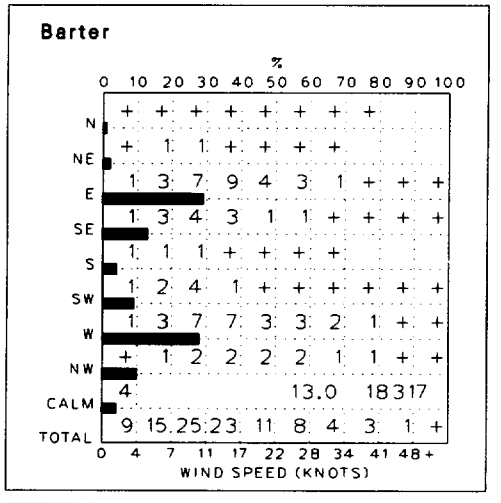

Cape Lisburne
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 1 1 + +
NE + 1 1 1 + + +
E 1 3 6 7 2 1 +
SE 3 8 10 6 1 + + + + +
S 1 1 1 2 2 3 2 1 + +
SW 1 + 1 2 3 3 1 1 + +
W + 1 1 1 + + + + +
NW 1 1 2 1 + + + +
CALM 12 11.1 18434
TOTAL 19 17 23 20 9 7 3 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

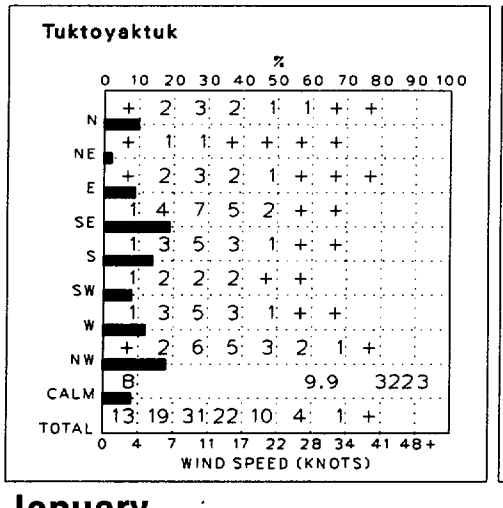

Point Lay
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 2 1 + + +
NE 1 4 7 7 5 4 2 1 +
E 1 3 5 4 3 3 1 + +
SE 1 3 2 2 1 1 + + +
S 1 2 1 1 1 1 + +
SW + 2 3 2 1 1 + +
W + 1 2 1 1 + + +
NW + 1 1 1 + +
CALM 10 11.9 3330
TOTAL 15 18 23 17 13 9 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

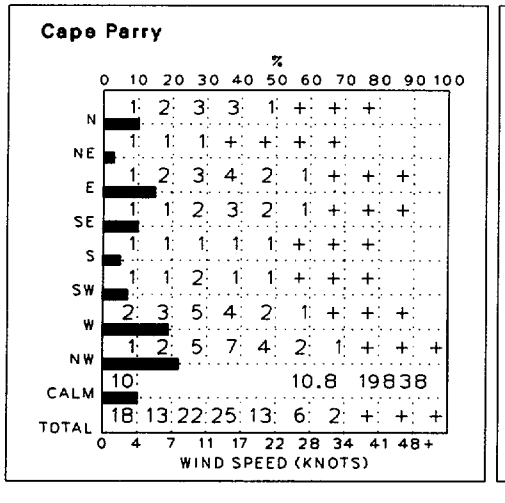

Barrow
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 2 + + + +
NE + 3 5 5 2 + + +
E + 4 7 7 3 1 + + +
SE 1 3 4 4 2 1 + + +
S 1 2 3 2 + + + +
SW 1 2 4 2 1 + + +
W 1 2 4 2 1 + + +
NW 1 2 4 2 1 + + +
CALM 2 10.4 18798
TOTAL 7 19 34 25 10 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

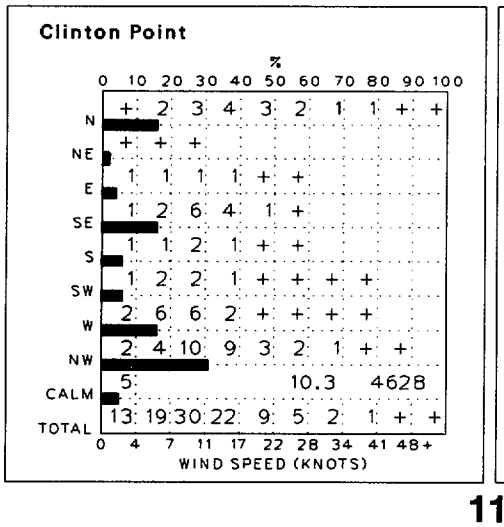

Lonely
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 1 1 +
NE 1 3 6 7 3 2 1 +
E + 3 6 6 3 2 + +
SE 1 2 2 2 1 + + +
S 1 2 1 + + + +
SW 1 4 3 1 + + + +
W 1 3 4 2 1 + + + +
NW 1 2 2 + + + + +
CALM 10 9.8 3469
TOTAL 16 22 26 19 9 4 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

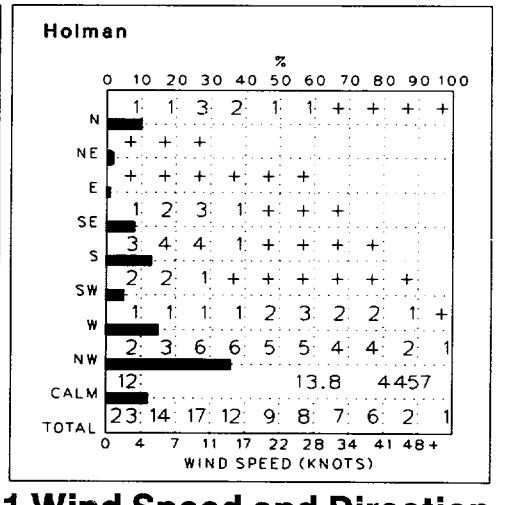

Oliktok
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 1 + + +
NE 1 2 5 6 3 1 + + +
E + 3 6 6 5 2 1 + +
SE 1 2 2 1 1 + +
S + 1 1 1 + + +
SW 1 4 7 6 2 + + +
W 1 2 4 3 2 1 + + +
NW + 1 1 + + + + +
CALM 9 11.3 3300
TOTAL 13 16 26 23 13 6 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

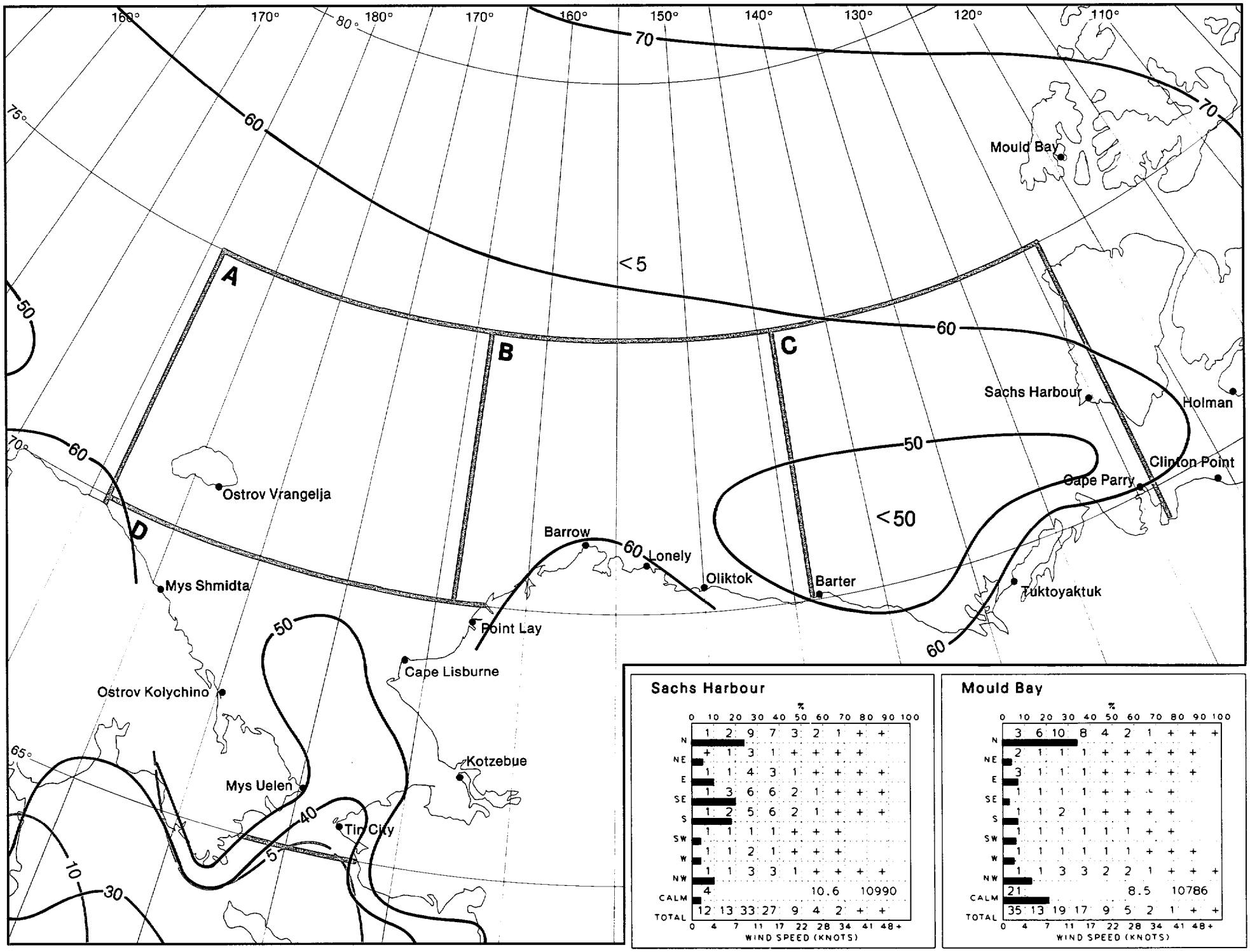

Barter
% 0 10 20 30 40 50 60 70 80 90 100
N + + + + + + + +
NE + 1 1 + + + +
E 1 3 7 9 4 3 1 + + +
SE 1 3 4 3 1 1 + + + +
S 1 1 1 + + + +
SW 1 2 4 1 + + + + + +
W 1 3 7 7 3 3 2 1 + +
NW + 1 2 2 2 2 1 1 + +
CALM 4 13.0 18317
TOTAL 9 15 25 23 11 8 4 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 3 2 1 1 + +
NE + 1 1 + + + +
E + 2 3 2 1 + + +
SE 1 4 7 5 2 + +
S 1 3 5 3 1 + +
SW 1 2 2 2 + +
W 1 3 5 3 1 + +
NW + 2 6 5 3 2 1 +
CALM 8 9.9 3223
TOTAL 13 19 31 22 10 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Cape Parry
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 3 1 + + +
NE 1 1 1 + + + +
E 1 2 3 4 2 1 + + +
SE 1 1 2 3 2 1 + + +
S 1 1 1 1 1 + + +
SW 1 1 2 1 1 + + +
W 2 3 5 4 2 1 + + +
NW 1 2 5 7 4 2 1 + + +
CALM 10 10.8 19838
TOTAL 18 13 22 25 13 6 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

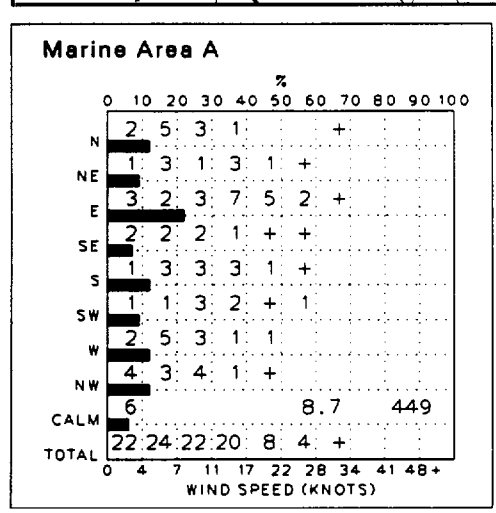

Clinton Point
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 3 4 3 2 1 1 + +
NE + + +
E 1 1 1 1 + +
SE 1 2 6 4 1 +
S 1 1 2 1 + +
SW 1 2 2 1 + + + +
W 2 6 6 2 + + + +
NW 2 4 10 9 3 2 1 + +
CALM 5 10.3 4628
TOTAL 13 19 30 22 9 5 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

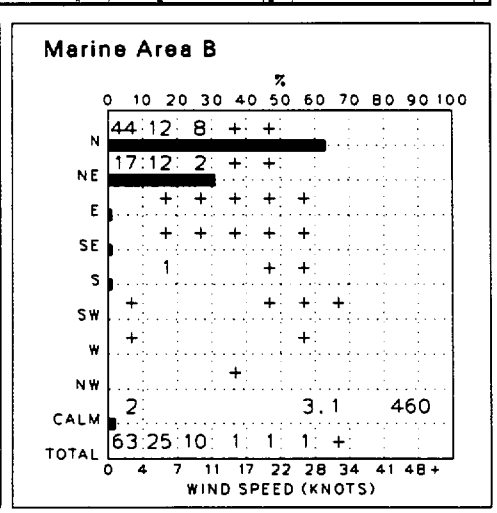

Holman
% 0 10 20 30 40 50 60 70 80 90 100
N 1 1 3 2 1 1 + + + +
NE + + +
E + + + + + +
SE 1 2 3 1 + + +
S 3 4 4 1 + + + +
SW 2 2 1 + + + + + +
W 1 1 1 1 2 3 2 2 1 +
NW 2 3 6 6 5 5 4 4 2 1
CALM 12 13.8 4457
TOTAL 23 14 17 12 9 8 7 6 2 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

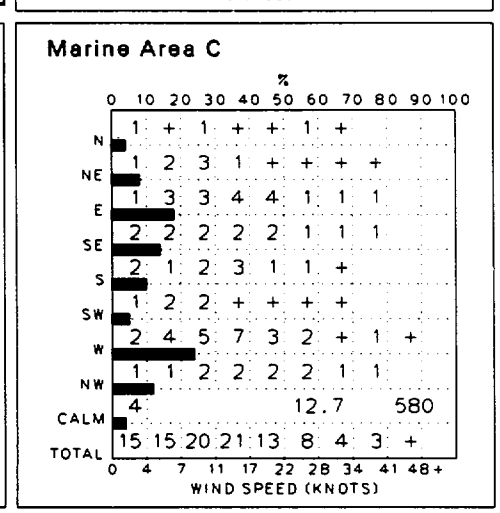

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
70
60
50
40
30
10
5
<5
<50
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Cape Lisburne
Ostrov Vrangelja
Mys Shmidta
Ostrov Kolychino
Mys Uelen
Tin City
Kotzebue

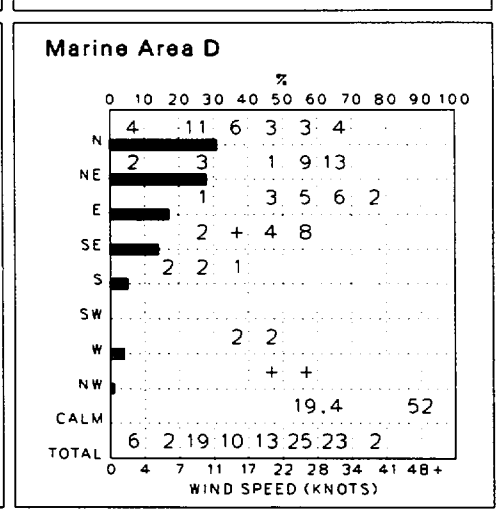
Sachs Harbour
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 9 7 3 2 1 + +
NE + 1 3 1 + + + + +
E 1 1 4 3 1 + + + +
SE 1 3 6 6 2 1 + + +
S 1 2 5 6 2 1 + + +
SW 1 1 1 1 + + +
W 1 1 2 1 + + +
NW 1 1 3 3 1 + + + +
CALM 4 10.6 10990
TOTAL 12 13 33 27 9 4 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

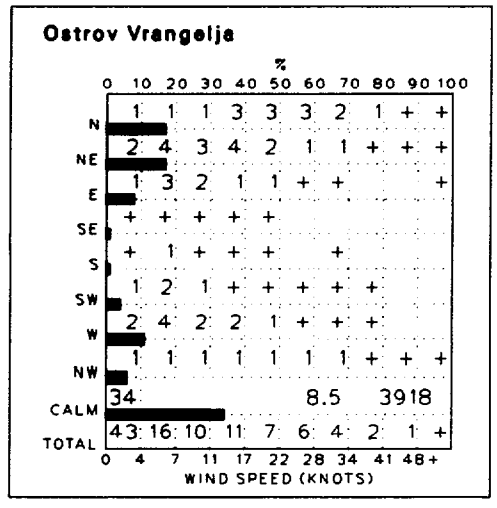
Mould Bay
%
0 10 20 30 40 50 60 70 80 90 100
N 3 6 10 8 4 2 1 + + +
NE 2 1 1 1 + + + + +
E 3 1 1 1 + + + + +
SE 1 1 1 1 + + + +
S 1 1 2 1 + + + +
SW 1 1 1 1 1 1 + +
W 1 1 1 1 1 1 + + +
NW 1 1 3 3 2 2 1 + + +
CALM 21 8.5 10786
TOTAL 35 13 19 17 9 5 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

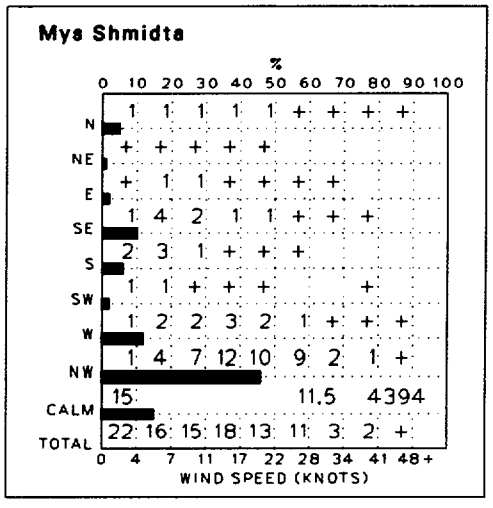

Marine Area A
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 3 1 +
NE 1 3 1 3 1 +
E 3 2 3 7 5 2 +
SE 2 2 2 1 + +
S 1 3 3 3 1 +
SW 1 1 3 2 + 1
W 2 5 3 1 1
NW 4 3 4 1 +
CALM 6 8.7 449
TOTAL 22 24 22 20 8 4 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

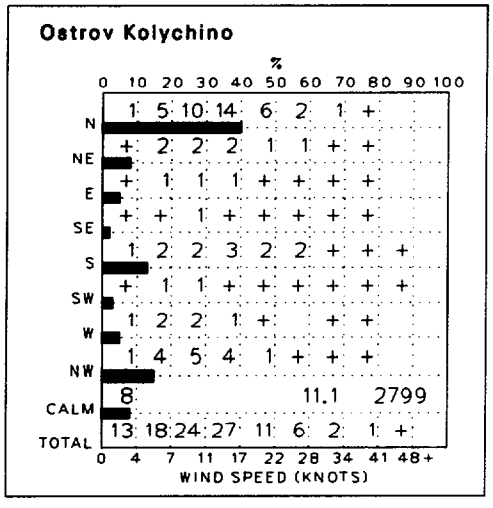

Marine Area B
%
0 10 20 30 40 50 60 70 80 90 100
N 44 12 8 + +
NE 17 12 2 + +
E + + + + +
SE + + + + +
S 1 + +
SW + + + +
W + +
NW +
CALM 2 3.1 460
TOTAL 63 25 10 1 1 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

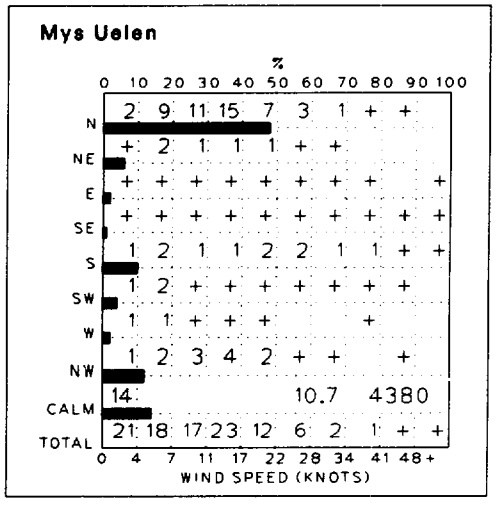

Marine Area C
%
0 10 20 30 40 50 60 70 80 90 100
N 1 + 1 + + 1 +
NE 1 2 3 1 + + + +
E 1 3 3 4 4 1 1 1
SE 2 2 2 2 2 1 1 1
S 2 1 2 3 1 1 +
SW 1 2 2 + + + +
W 2 4 5 7 3 2 + 1 +
NW 1 1 2 2 2 2 1 1
CALM 4 12.7 580
TOTAL 15 15 20 21 13 8 4 3 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

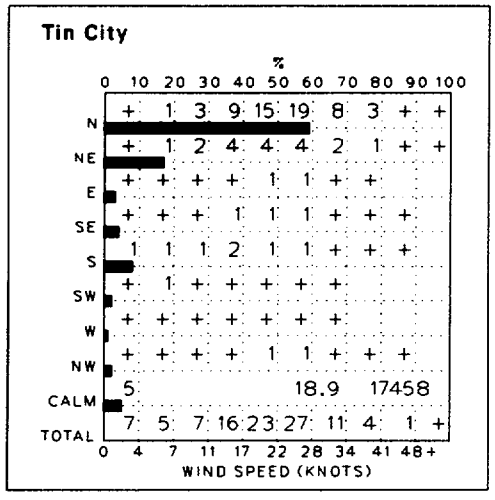

Marine Area D
%
0 10 20 30 40 50 60 70 80 90 100
N 4 11 6 3 3 4
NE 2 3 1 9 13
E 1 3 5 6 2
SE 2 + 4 8
S 2 2 1
SW
W 2 2
NW + +
CALM 19.4 52
TOTAL 6 2 19 10 13 25 23 2
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

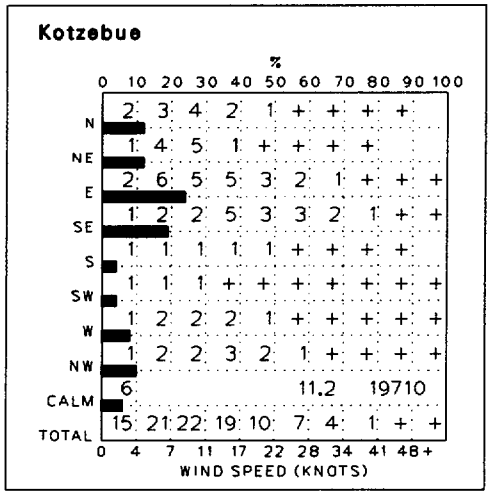

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 3 3 3 2 1 + +
NE 2 4 3 4 2 1 1 + + +
E 1 3 2 1 1 + + +
SE + + + + +
S + 1 + + + +
SW 1 2 1 + + + + +
W 2 4 2 2 1 + + +
NW 1 1 1 1 1 1 1 + + +
CALM 34 8.5 3918
TOTAL 43 16 10 11 7 6 4 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

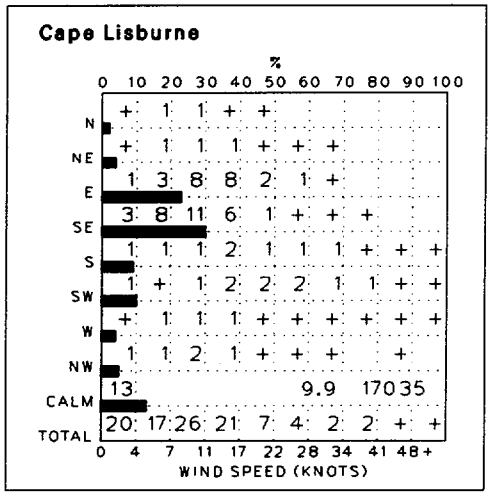

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 1 1 + + + +
NE + + + + +
E + 1 1 + + + +
SE 1 4 2 1 1 + + +
S 2 3 1 + + +
SW 1 1 + + + +
W 1 2 2 3 2 1 + + +
NW 1 4 7 12 10 9 2 1 +
CALM 15 11.5 4394
TOTAL 22 16 15 18 13 11 3 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

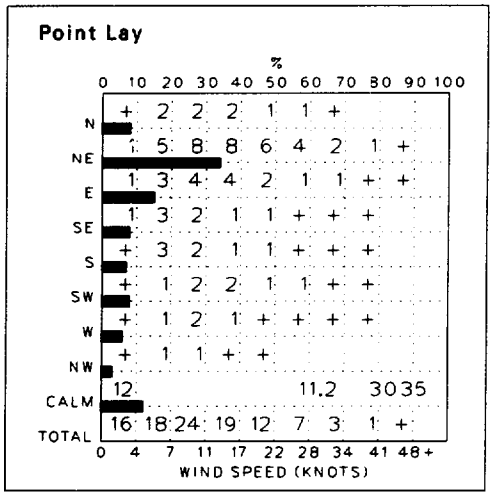

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 5 10 14 6 2 1 +
NE + 2 2 2 1 1 + +
E + 1 1 1 + + + +
SE + + 1 + + + + +
S 1 2 2 3 2 2 + + +
SW + 1 1 + + + + + +
W 1 2 2 1 + + +
NW 1 4 5 4 1 + + +
CALM 8 11.1 2799
TOTAL 13 18 24 27 11 6 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

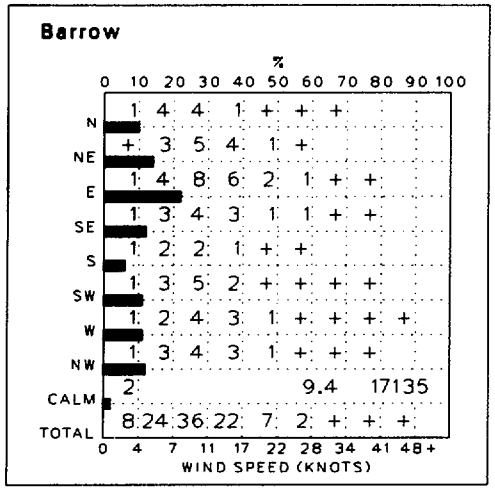

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N 2 9 11 15 7 3 1 + +
NE + 2 1 1 1 + +
E + + + + + + + + +
SE + + + + + + + + + +
S 1 2 1 1 2 2 1 1 + +
SW 1 2 + + + + + + +
W 1 1 + + + + +
NW 1 2 3 4 2 + + +
CALM 14 10.7 4380
TOTAL 21 18 17 23 12 6 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

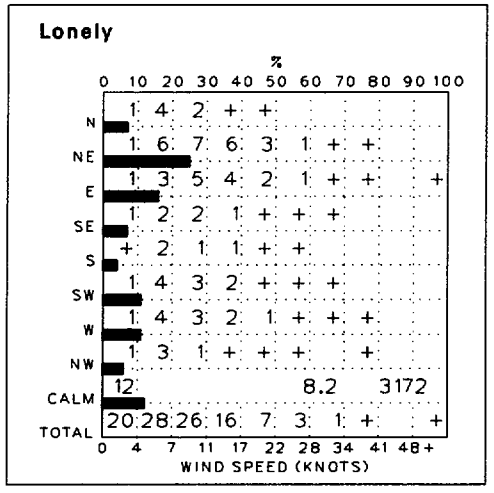

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 3 9 15 19 8 3 + +
NE + 1 2 4 4 4 2 1 + +
E + + + + 1 1 + +
SE + + + 1 1 1 + + +
S 1 1 1 2 1 1 + + +
SW + 1 + + + + +
W + + + + + + +
NW + + + + 1 1 + + +
CALM 5 18.9 17458
TOTAL 7 5 7 16 23 27 11 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

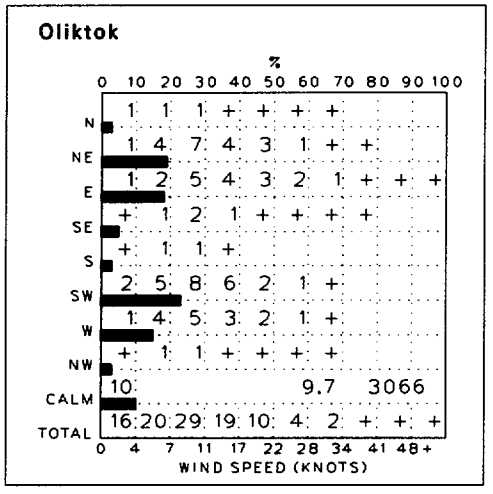

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 4 2 1 + + + +
NE 1 4 5 1 + + + +
E 2 6 5 5 3 2 1 + + +
SE 1 2 2 5 3 3 2 1 + +
S 1 1 1 1 1 + + + +
SW 1 1 1 + + + + + + +
W 1 2 2 2 1 + + + + +
NW 1 2 2 3 2 1 + + + +
CALM 6 11.2 19710
TOTAL 15 21 22 19 10 7 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

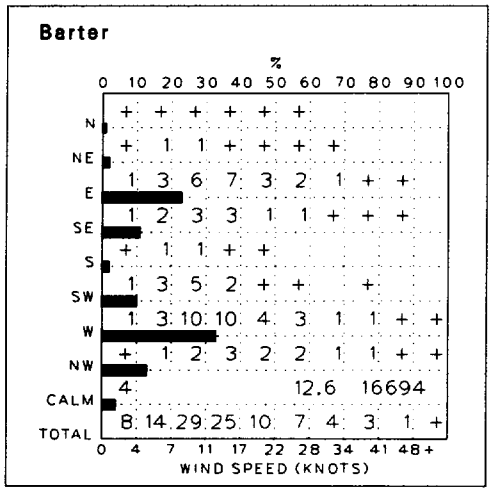

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 1 + +
NE + 1 1 1 + + +
E 1 3 8 8 2 1 +
SE 3 8 11 6 1 + + +
S 1 1 1 2 1 1 1 + + +
SW 1 + 1 2 2 2 1 1 + +
W + 1 1 1 + + + + + +
NW 1 1 2 1 + + + +
CALM 13 9.9 17035
TOTAL 20 17 26 21 7 4 2 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

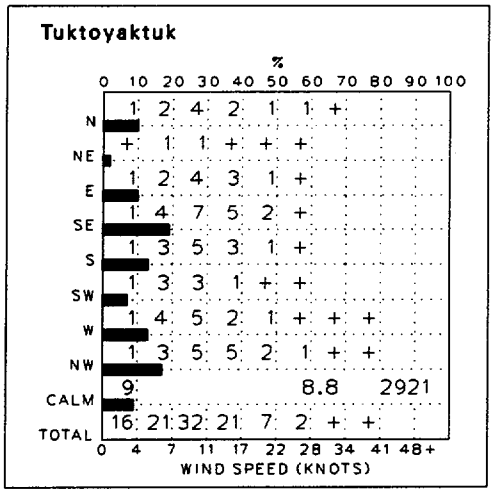

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 2 2 1 1 +
NE 1 5 8 8 6 4 2 1 +
E 1 3 4 4 2 1 1 + +
SE 1 3 2 1 1 + + +
S + 3 2 1 1 + + +
SW + 1 2 2 1 1 + +
W + 1 2 1 + + + +
NW + 1 1 + +
CALM 12 11.2 3035
TOTAL 16 18 24 19 12 7 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

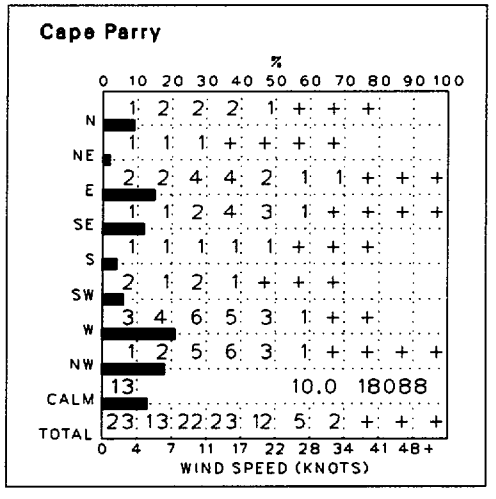

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 4 1 + + +
NE + 3 5 4 1 +
E 1 4 8 6 2 1 + +
SE 1 3 4 3 1 1 + +
S 1 2 2 1 + +
SW 1 3 5 2 + + + +
W 1 2 4 3 1 + + + +
NW 1 3 4 3 1 + + +
CALM 2 9.4 17135
TOTAL 8 24 36 22 7 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

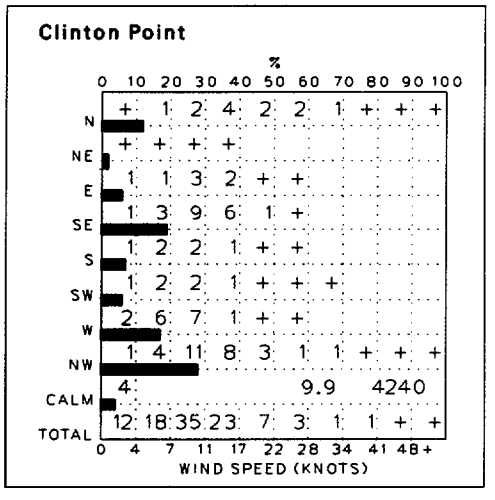

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 2 + +
NE 1 6 7 6 3 1 + +
E 1 3 5 4 2 1 + + +
SE 1 2 2 1 + + +
S + 2 1 1 + +
SW 1 4 3 2 + + +
W 1 4 3 2 1 + + +
NW 1 3 1 + + + +
CALM 12 8.2 3172
TOTAL 20 28 26 16 7 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

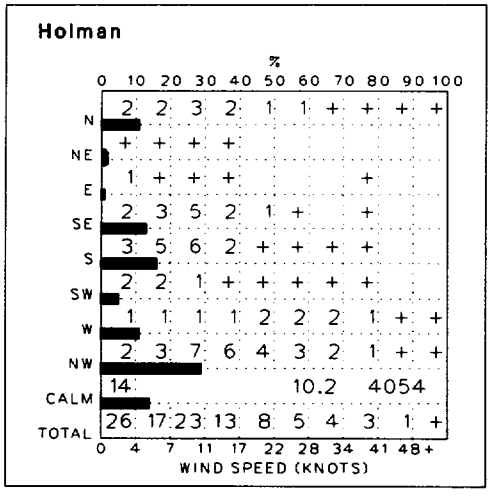

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 + + + +
NE 1 4 7 4 3 1 + +
E 1 2 5 4 3 2 1 + + +
SE + 1 2 1 + + + +
S + 1 1 +
SW 2 5 8 6 2 1 +
W 1 4 5 3 2 1 +
NW + 1 1 + + + +
CALM 10 9.7 3066
TOTAL 16 20 29 19 10 4 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

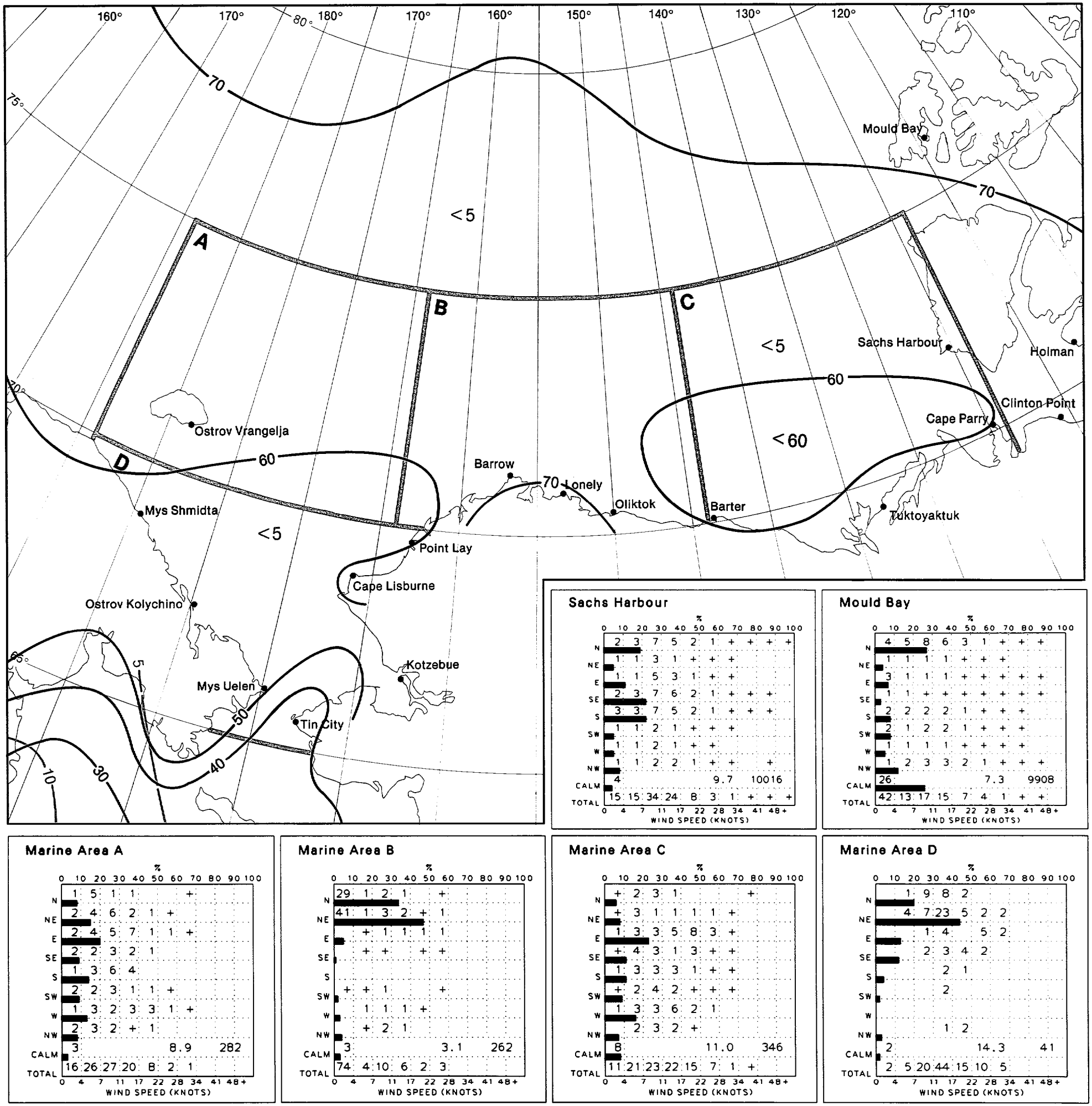

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N + + + + + +
NE + 1 1 + + + +
E 1 3 6 7 3 2 1 + +
SE 1 2 3 3 1 1 + + +
S + 1 1 + +
SW 1 3 5 2 + + +
W 1 3 10 10 4 3 1 1 + +
NW + 1 2 3 2 2 1 1 + +
CALM 4 12.6 16694
TOTAL 8 14 29 25 10 7 4 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 2 1 1 +
NE + 1 1 + + +
E 1 2 4 3 1 +
SE 1 4 7 5 2 +
S 1 3 5 3 1 +
SW 1 3 3 1 + +
W 1 4 5 2 1 + + +
NW 1 3 5 5 2 1 + +
CALM 9 8.8 2921
TOTAL 16 21 32 21 7 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 2 1 + + +
NE 1 1 1 + + + +
E 2 2 4 4 2 1 1 + + +
SE 1 1 2 4 3 1 + + + +
S 1 1 1 1 1 + + +
SW 2 1 2 1 + + +
W 3 4 6 5 3 1 + +
NW 1 2 5 6 3 1 + + + +
CALM 13 10.0 18088
TOTAL 23 13 22 23 12 5 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 4 2 2 1 + + +
NE + + + +
E 1 1 3 2 + +
SE 1 3 9 6 1 +
S 1 2 2 1 + +
SW 1 2 2 1 + + +
W 2 6 7 1 + +
NW 1 4 11 8 3 1 1 + + +
CALM 4 9.9 4240
TOTAL 12 18 35 23 7 3 1 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 2 2 3 2 1 1 + + + +
NE + + + +
E 1 + + + +
SE 2 3 5 2 1 + +
S 3 5 6 2 + + + +
SW 2 2 1 + + + + +
W 1 1 1 1 2 2 2 1 + +
NW 2 3 7 6 4 3 2 1 + +
CALM 14 10.2 4054
TOTAL 26 17 23 13 8 5 4 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)



11 Wind Speed ≦10 and ≧34 Knots

February

Ostrov Vrangelja

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	1	1	3	4	4	3	2	+	+	
NE	1	4	4	6	3	1	1	+	+		
E	2	3	2	2	1	+					
SE	+	+	+	+	+	+					
S	1	1	+	+	+	+					
SW	1	2	1	+	+	+	+	+	+		
W	2	3	1	1	+	+	+	+	+	+	
NW	1	1	+	+	1	1	+	+	+	+	
CALM	29										9.9 4417
TOTAL	37	14	11	14	10	7	5	2	+	+	

WIND SPEED (KNOTS)

Mys Shmidta

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	1	1	1	+	+	+			
NE	+	+	+	+	+						
E	1	1	1	1	+	+	+	+			
SE	1	3	2	1	+	+	+	+		+	
S	2	3	1	+	+	+				+	
SW	1	1	+	+	+	+					
W	1	2	2	3	1	1	+	+	+	+	
NW	1	3	7	13	9	7	1	1	+	+	
CALM	17										11.0 4926
TOTAL	24	16	15	20	12	9	2	2	+	+	

WIND SPEED (KNOTS)

Ostrov Kolychino

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	6	12	13	7	3	+	+	+		
NE	+	1	2	2	1	1	+		+		
E	+	1	2	1	1	+	+				
SE	+	+	+	1	1	+	+	+			
S	1	3	3	3	2	1	1	+			
SW	+	1	1	+	+	+	+				
W	1	2	1	1	+		+				
NW	1	4	6	3	1	+	+	+			
CALM	7										10.7 3037
TOTAL	12	19	27	24	12	5	1	+	+		

WIND SPEED (KNOTS)

Mys Uelen

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	3	8	12	14	7	3	+	+			
NE	1	2	2	2	+	+	+				
E	+	1	+	1	+	+	+	+	+	+	
SE	+	+	+	+	+	+	+	+	+	+	
S	1	2	2	2	2	1	1	1	+	+	
SW	1	2	1	+	+	+	+	+	+	+	
W	1	1	+	+	+	+	+		+		
NW	+	2	2	3	1	+	+	+			
CALM	14										10.2 4877
TOTAL	21	17	20	23	11	5	2	1	+	+	

WIND SPEED (KNOTS)

Tin City

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	4	10	16	20	8	2	+	+	
NE	+	1	2	3	3	3	2	1	+		
E	+	+	+	+	+	+	+	+			
SE	+	1	1	1	1	1	+	+	+	+	
S	+	1	2	2	1	1	+	+	+	+	
SW	+	1	1	1	+	+	+	+			
W	+	+	+	+	+	+	+	+			
NW	+	+	+	+	+	1	+	+	+	+	
CALM	4										18.5 19604
TOTAL	6	5	10	17	22	25	11	4	+	+	

WIND SPEED (KNOTS)

Kotzebue

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	3	2	1	+	+	+			
NE	1	5	5	1	+	+	+	+			
E	2	5	6	5	3	2	1	+	+		
SE	1	2	3	5	3	2	1	+	+		
S	1	2	1	1	+	+	+	+			
SW	1	2	1	+	+	+	+	+			
W	1	3	3	3	1	+	+	+			
NW	1	2	2	3	1	1	+	+			
CALM	5										10.4 21959
TOTAL	14	23	24	19	10	6	3	1	+		

WIND SPEED (KNOTS)

Cape Lisburne

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	1	+	+					+	
NE	+	1	1	1	+	+	+			+	
E	1	5	10	9	2	1	+				
SE	3	8	12	8	1	+	+	+	+		
S	1	1	1	1	1	1	1	+	+	+	
SW	+	+	1	2	2	2	1	1	+	+	
W	+	1	1	+	+	+	+	+	+		
NW	+	1	1	+	+	+	+				
CALM	13										9.6 19186
TOTAL	20	17	27	22	7	4	2	1	+	+	

WIND SPEED (KNOTS)

Point Lay

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	2	3	2	1	+	+				
NE	1	4	8	8	6	5	3	1	+		
E	1	3	5	4	3	2	1	+	+		
SE	1	2	2	1	1	+	+	+			
S	+	3	2	+	+	+	+	+			
SW	1	2	2	1	1	+	+				
W	+	2	2	1	+	+	+	+			
NW	+	1	1	+	+	+	+				
CALM	9										11.6 3345
TOTAL	13	19	24	18	12	8	4	1	+		

WIND SPEED (KNOTS)

Barrow

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	4	2	+	+					
NE	+	3	9	6	1	+	+				
E	1	4	10	9	4	1	+	+	+		
SE	1	2	4	3	1	1	+	+	+	+	
S	1	1	2	1	+	+		+			
SW	+	2	4	2	+	+	+	+			
W	+	2	3	3	1	+	+	+	+	+	
NW	+	2	3	2	+	+	+	+	+	+	
CALM	1										9.9 18813
TOTAL	5	19	39	26	8	2	+	+	+	+	

WIND SPEED (KNOTS)

Lonely

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	2	4	2	1	+	+		+			
NE	2	6	9	7	3	2	1	+		+	
E	1	3	5	5	2	1	+	+			
SE	+	2	2	1	+	+	+	+			
S	+	1	1	+	+						
SW	1	4	2	1	+	+	+	+			
W	1	4	4	1	+	+	+	+			
NW	1	3	1	+	+	+	+	+			
CALM	11										8.7 3505
TOTAL	19	26	26	17	6	4	1	1		+	

WIND SPEED (KNOTS)

Oliktok

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	1	1	+	+	+	+				
NE	1	5	8	6	3	1	+				
E	1	2	6	5	4	2	1	+			
SE	+	2	1	1	+	+	+	+			
S	+	1	1	+	+	+					
SW	1	4	8	5	1	+	+	+		+	
W	1	3	5	4	1	1	+	+	+	+	
NW	+	1	1	+	+	+	+		+	+	
CALM	9										10.0 3364
TOTAL	15	18	30	22	9	5	1	+	+	+	

WIND SPEED (KNOTS)

Barter

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	+	+	+	+			+		
NE	+	1	1	1	+	+	+	+	+		
E	1	4	8	10	4	3	1	+	+	+	
SE	1	2	3	2	1	1	+	+	+		
S	1	1	1	+	+		+				
SW	1	2	4	1	+		+	+		+	
W	1	3	9	9	3	2	1	1	+	+	
NW	+	1	2	3	2	1	+	+	+	+	
CALM	3										11.9 18627
TOTAL	8	15	29	27	10	6	3	1	+	+	

WIND SPEED (KNOTS)

Tuktoyaktuk

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	4	3	1	+	+				
NE	+	1	1	1	+						
E	1	3	5	4	1	+	+				
SE	1	4	7	6	2	+	+				
S	1	3	3	2	1	+					
SW	1	1	2	1	+	+	+				
W	1	3	5	3	1	+	+	+			
NW	+	2	6	5	2	+	+	+			
CALM	8										9.0 3162
TOTAL	15	19	33	25	7	1	+	+			

WIND SPEED (KNOTS)

Cape Parry

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	2	2	1	+	+	+			
NE	1	1	1	+	+	+					
E	3	3	5	5	3	2	+	+	+	+	
SE	1	1	3	4	3	1	+	+	+	+	
S	1	1	1	1	+	+	+				
SW	2	1	1	1	+	+	+				
W	2	3	5	4	2	1	+	+			
NW	1	1	4	5	3	1	+	+			
CALM	11										9.8 19838
TOTAL	23	14	21	22	13	5	1	+	+	+	

WIND SPEED (KNOTS)

Clinton Point

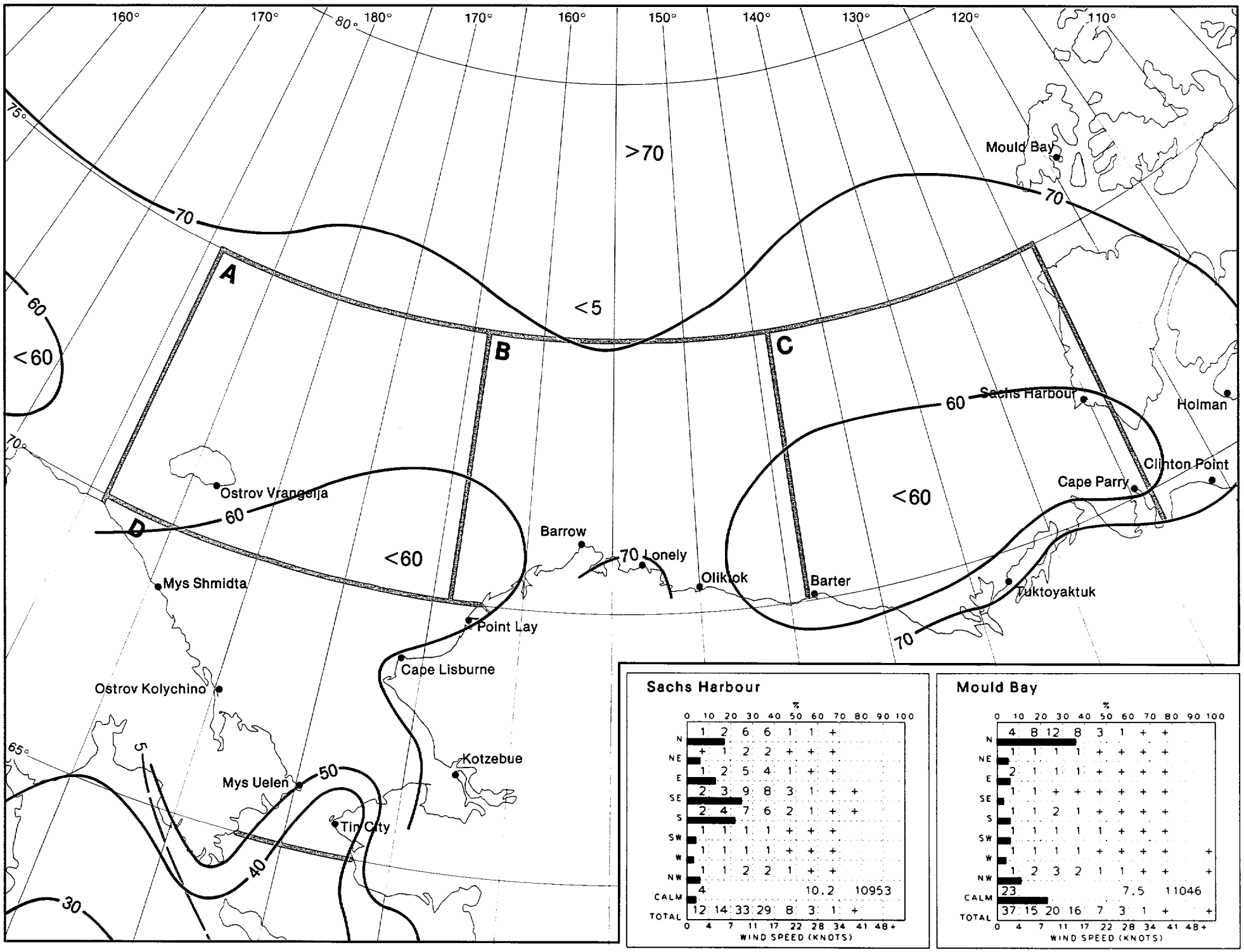
	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	2	4	3	1	+	+	+	+	
NE	+	+	+								
E	1	1	2	1	+						
SE	2	4	7	4	1	+					
S	1	1	2	1	+	+					
SW	1	2	1	1	+	+					
W	3	6	5	1	+	+					
NW	1	5	11	9	3	1	+	+	+	+	
CALM	6										9.1 4702
TOTAL	16	22	30	21	8	2	+	+	+	+	

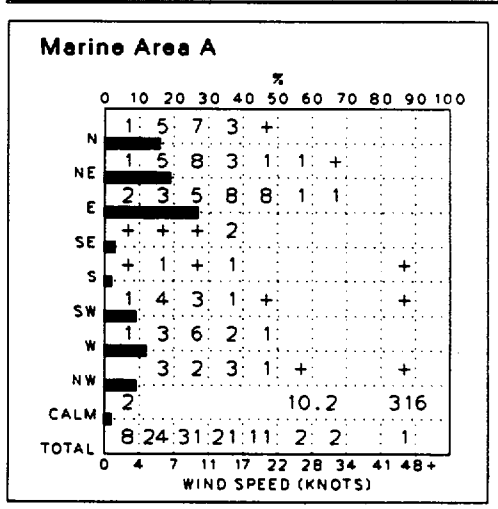
WIND SPEED (KNOTS)

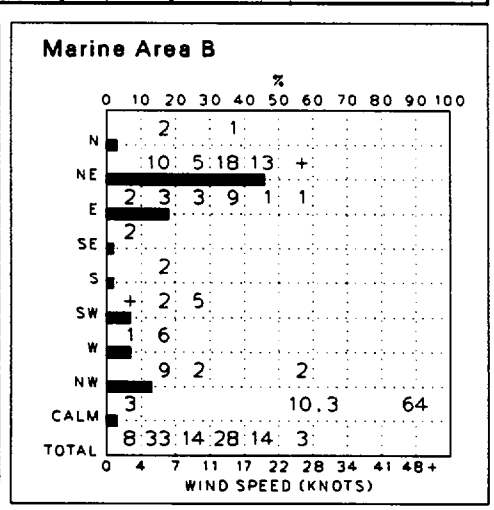
Holman

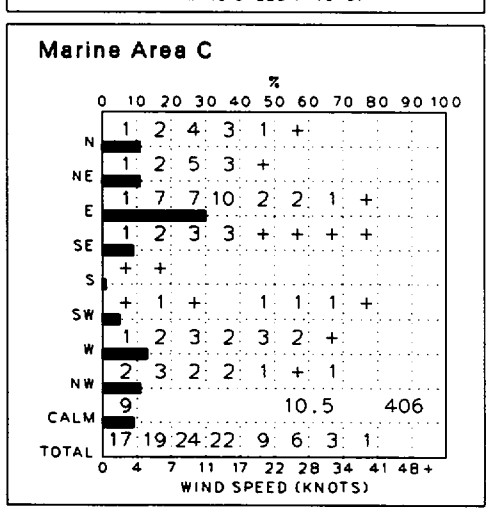
	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	2	2	3	3	1	+	+	+	+		
NE	+	+	+								
E	1	+	+	+	+						
SE	2	4	5	2	1	+					
S	4	7	5	2	+	+					
SW	2	2	1	+	+	+	+	+			
W	1	1	1	1	1	2	2	1	+	+	
NW	2	3	6	5	3	3	2	1	1	+	
CALM	17										9.7 4456
TOTAL	29	18	21	13	7	5	4	2	1	+	

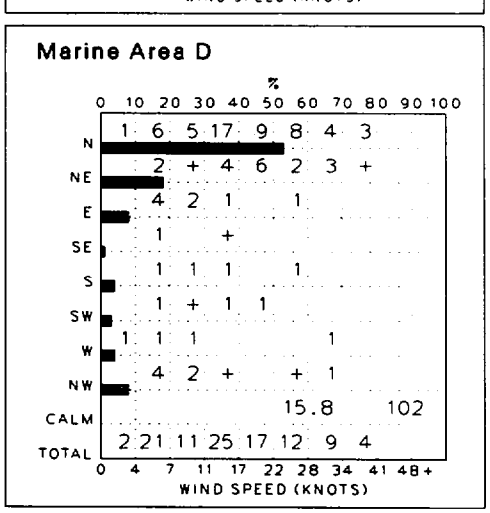
WIND SPEED (KNOTS)





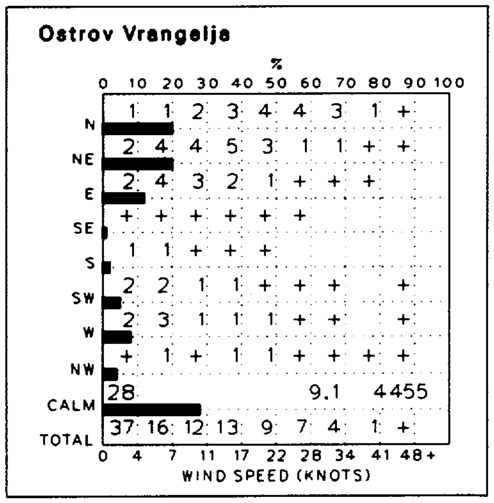


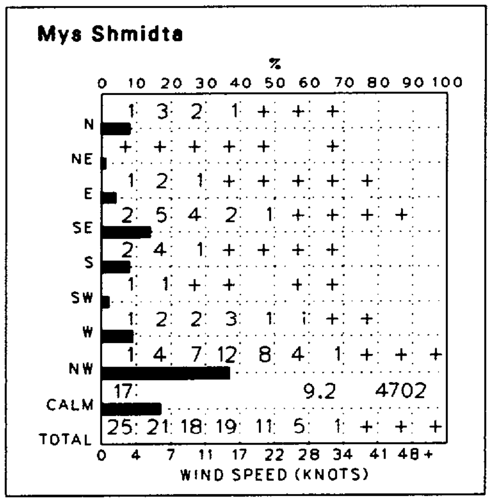


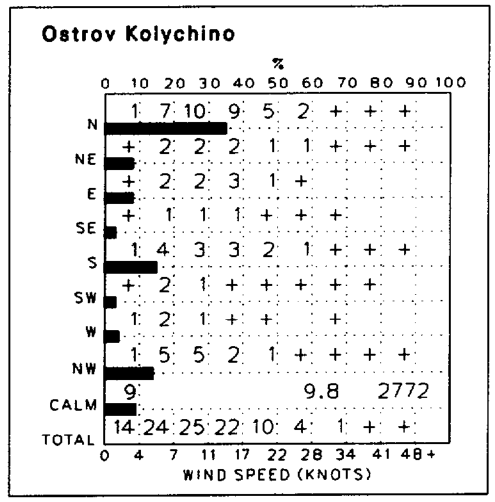


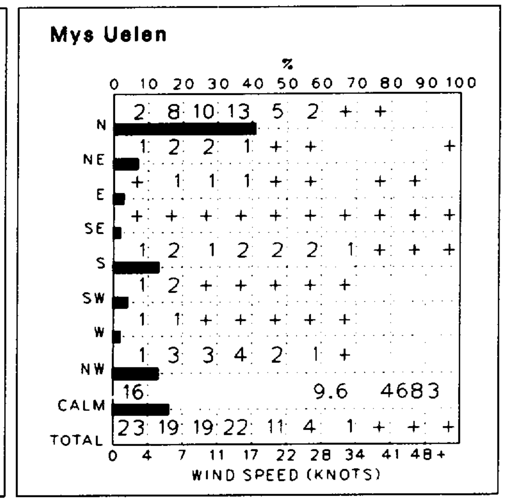
11 Wind Speed ≦10 and ≧34 Knots

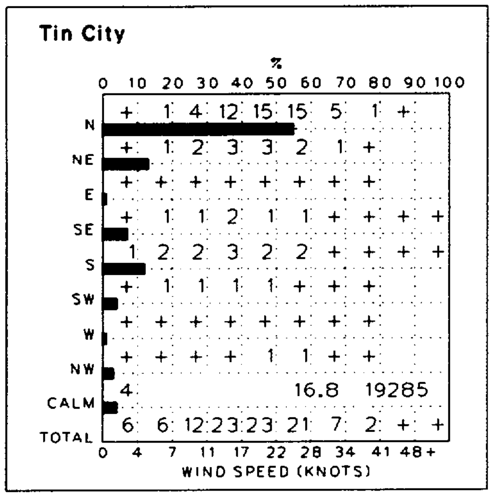
March

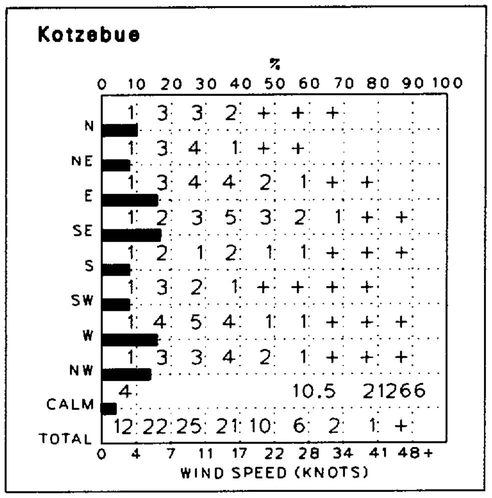

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 2 3 4 4 3 1 +
NE 2 4 4 5 3 1 1 + +
E 2 4 3 2 1 + + +
SE + + + + + +
S 1 1 + + +
SW 2 2 1 1 + + + +
W 2 3 1 1 1 + + +
NW + 1 + 1 1 + + + +
CALM 28 9.1 4455
TOTAL 37 16 12 13 9 7 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

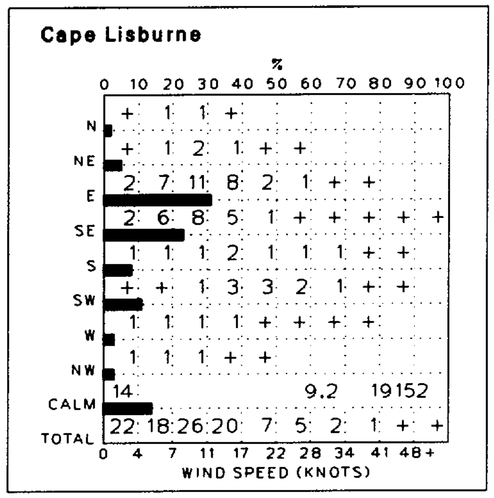

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 2 1 + + +
NE + + + + + +
E 1 2 1 + + + + +
SE 2 5 4 2 1 + + + +
S 2 4 1 + + + +
SW 1 1 + + + +
W 1 2 2 3 1 1 + +
NW 1 4 7 12 8 4 1 + + +
CALM 17 9.2 4702
TOTAL 25 21 18 19 11 5 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

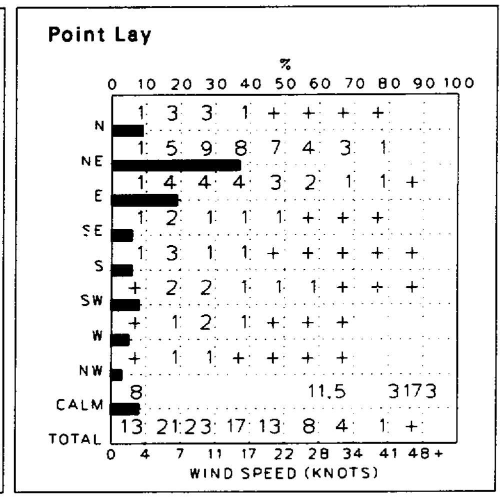

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 7 10 9 5 2 + + +
NE + 2 2 2 1 1 + + +
E + 2 2 3 1 +
SE + 1 1 1 + + +
S 1 4 3 3 2 1 + + +
SW + 2 1 + + + + +
W 1 2 1 + + +
NW 1 5 5 2 1 + + + +
CALM 9 9.8 2772
TOTAL 14 24 25 22 10 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

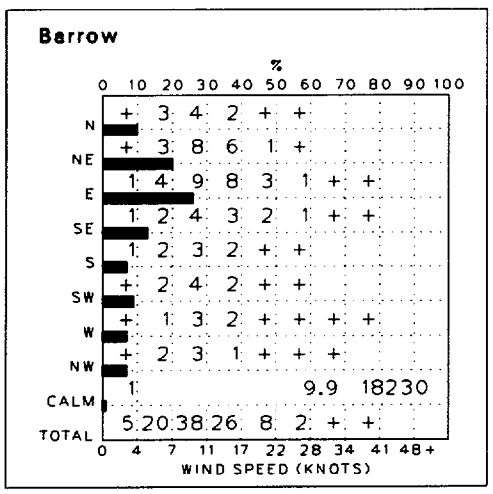

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N 2 8 10 13 5 2 + +
NE 1 2 2 1 + + +
E + 1 1 1 + + + +
SE + + + + + + + + + +
S 1 2 1 2 2 2 1 + + +
SW 1 2 + + + + +
W 1 1 + + + + +
NW 1 3 3 4 2 1 +
CALM 16 9.6 4683
TOTAL 23 19 19 22 11 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

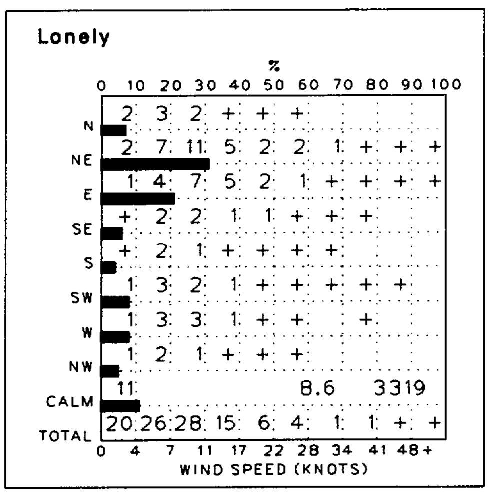

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 4 12 15 15 5 1 +
NE + 1 2 3 3 2 1 +
E + + + + + + + +
SE + 1 1 2 1 1 + + + +
S 1 2 2 3 2 2 + + + +
SW + 1 1 1 1 + + +
W + + + + + + + +
NW + + + + 1 1 + +
CALM 4 16.8 19285
TOTAL 6 6 12 23 23 21 7 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

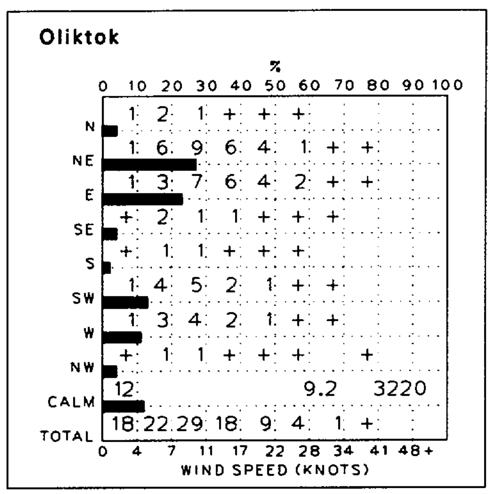

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 3 2 + + +
NE 1 3 4 1 + +
E 1 3 4 4 2 1 + +
SE 1 2 3 5 3 2 1 + +
S 1 2 1 2 1 1 + + +
SW 1 3 2 1 + + + +
W 1 4 5 4 1 1 + + +
NW 1 3 3 4 2 1 + + +
CALM 4 10.5 21266
TOTAL 12 22 25 21 10 6 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

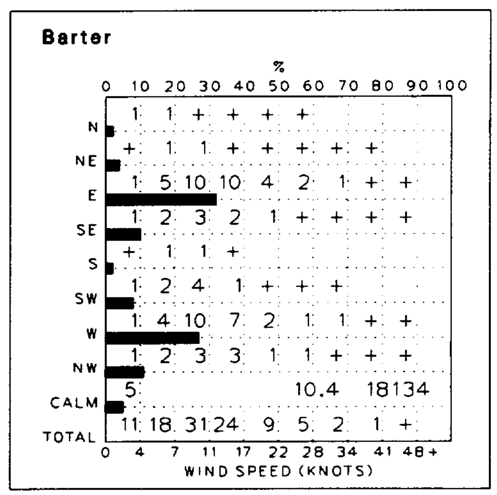

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 1 +
NE + 1 2 1 + +
E 2 7 11 8 2 1 + +
SE 2 6 8 5 1 + + + + +
S 1 1 1 2 1 1 1 + +
SW + + 1 3 3 2 1 + +
W 1 1 1 1 + + + +
NW 1 1 1 + +
CALM 14 9.2 19152
TOTAL 22 18 26 20 7 5 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

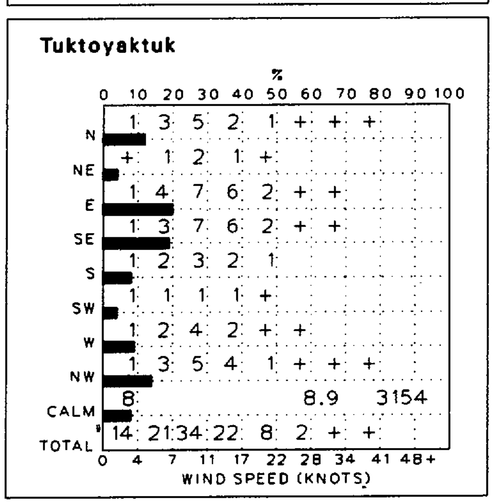

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 3 1 + + + +
NE 1 5 9 8 7 4 3 1
E 1 4 4 4 3 2 1 1 +
SE 1 2 1 1 1 + + +
S 1 3 1 1 + + + + +
SW + 2 2 1 1 1 + +
W + 1 2 1 + + +
NW + 1 1 + + + +
CALM 8 11.5 3173
TOTAL 13 21 23 17 13 8 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

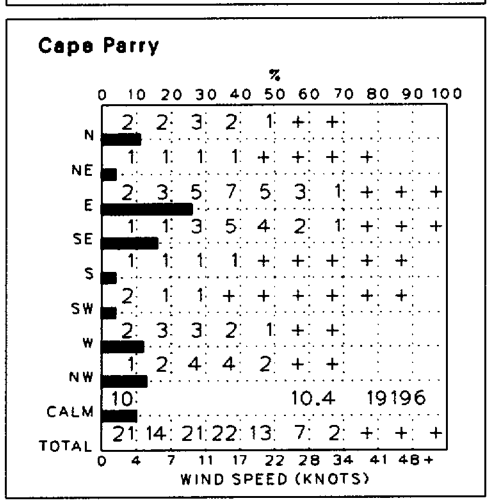

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N + 3 4 2 + +
NE + 3 8 6 1 +
E 1 4 9 8 3 1 + +
SE 1 2 4 3 2 1 + +
S 1 2 3 2 + +
SW + 2 4 2 + +
W + 1 3 2 + + + +
NW + 2 3 1 + + +
CALM 1 9.9 18230
TOTAL 5 20 38 26 8 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

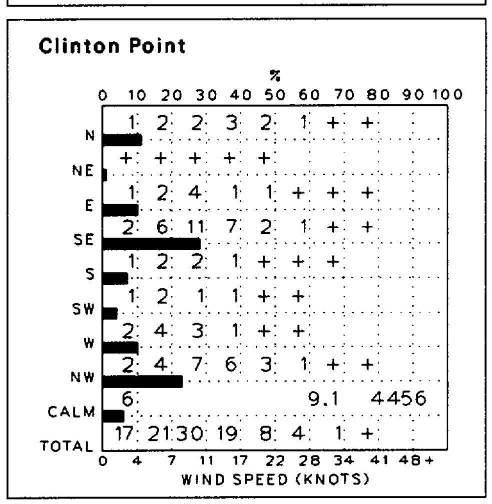

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 2 + + +
NE 2 7 11 5 2 2 1 + + +
E 1 4 7 5 2 1 + + + +
SE + 2 2 1 1 + + +
S + 2 1 + + + +
SW 1 3 2 1 + + + + +
W 1 3 3 1 + + +
NW 1 2 1 + +
CALM 11 8.6 3319
TOTAL 20 26 28 15 6 4 1 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

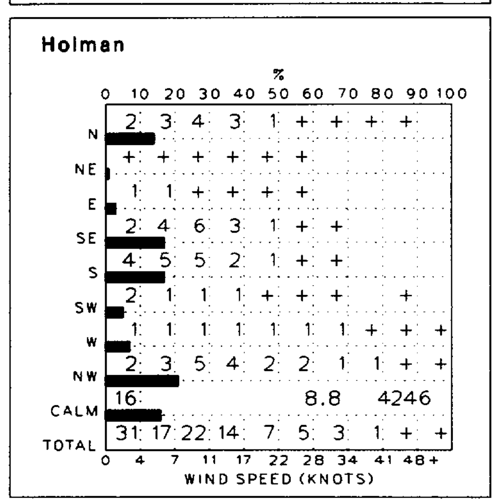

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 1 + + +
NE 1 6 9 6 4 1 + +
E 1 3 7 6 4 2 + +
SE + 2 1 1 + + +
S + 1 1 + + +
SW 1 4 5 2 1 + +
W 1 3 4 2 1 + +
NW + 1 1 + + + +
CALM 12 9.2 3220
TOTAL 18 22 29 18 9 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

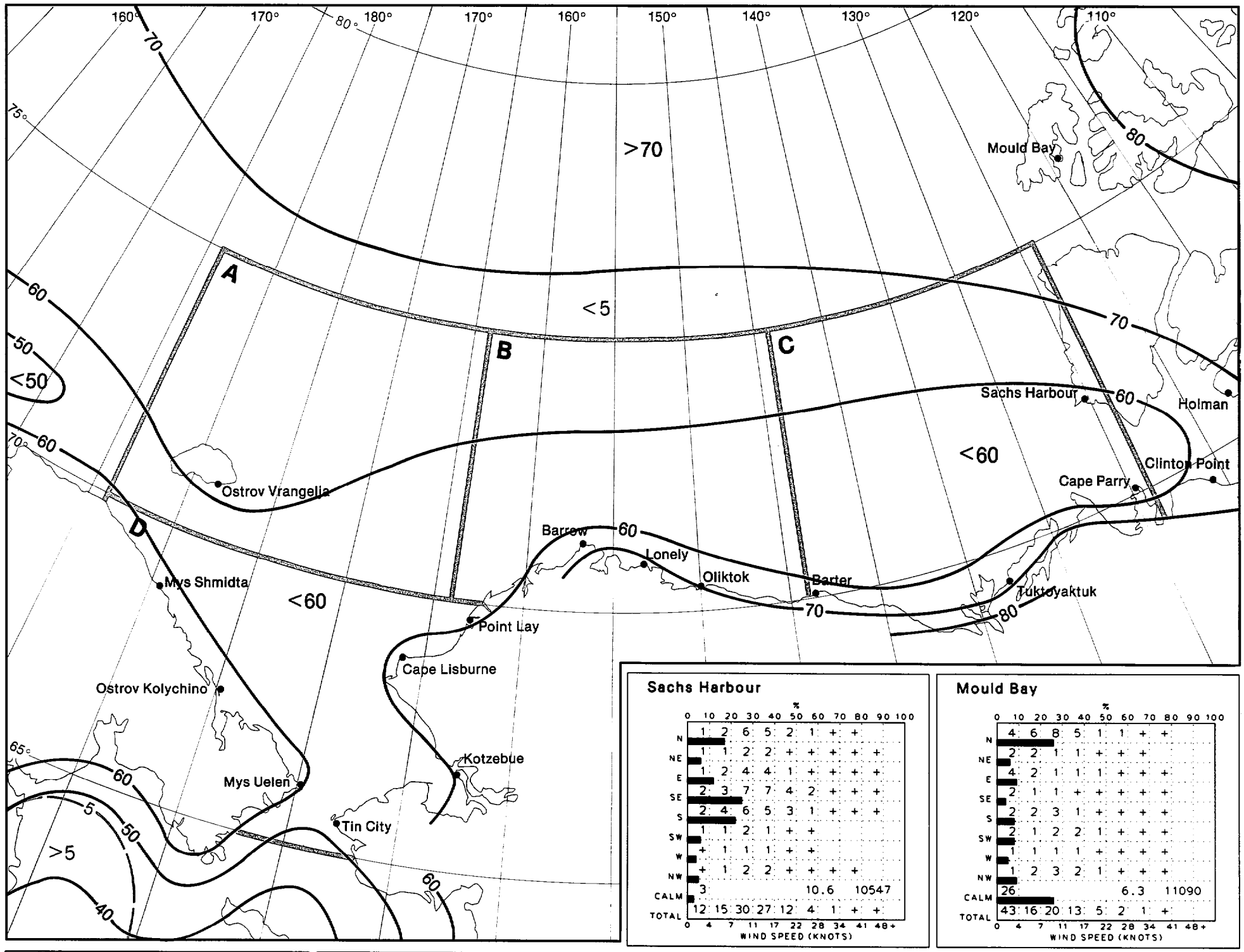

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 + + + +
NE + 1 1 + + + + +
E 1 5 10 10 4 2 1 + +
SE 1 2 3 2 1 + + + +
S + 1 1 +
SW 1 2 4 1 + + +
W 1 4 10 7 2 1 1 + +
NW 1 2 3 3 1 1 + + +
CALM 5 10.4 18134
TOTAL 11 18 31 24 9 5 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

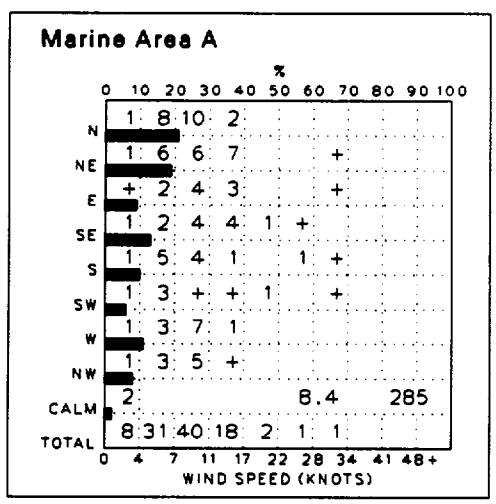

Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 5 2 1 + + +
NE + 1 2 1 +
E 1 4 7 6 2 + +
SE 1 3 7 6 2 + +
S 1 2 3 2 1
SW 1 1 1 1 +
W 1 2 4 2 + +
NW 1 3 5 4 1 + + +
CALM 8 8.9 3154
TOTAL 14 21 34 22 8 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

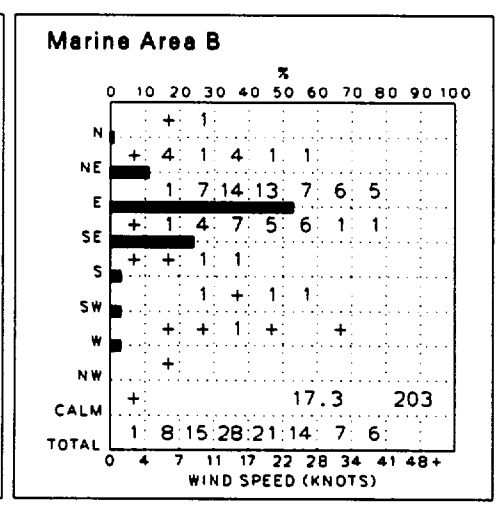

Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 2 2 3 2 1 + +
NE 1 1 1 1 + + + +
E 2 3 5 7 5 3 1 + + +
SE 1 1 3 5 4 2 1 + + +
S 1 1 1 1 + + + + +
SW 2 1 1 + + + + + + +
W 2 3 3 2 1 + +
NW 1 2 4 4 2 + +
CALM 10 10.4 19196
TOTAL 21 14 21 22 13 7 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

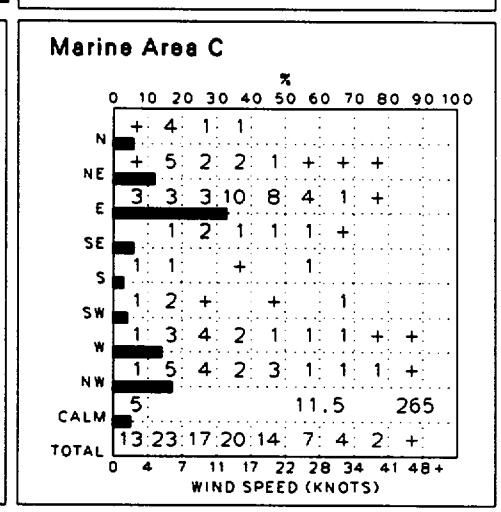

Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 3 2 1 + +
NE + + + + +
E 1 2 4 1 1 + + +
SE 2 6 11 7 2 1 + +
S 1 2 2 1 + + +
SW 1 2 1 1 + +
W 2 4 3 1 + +
NW 2 4 7 6 3 1 + +
CALM 6 9.1 4456
TOTAL 17 21 30 19 8 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

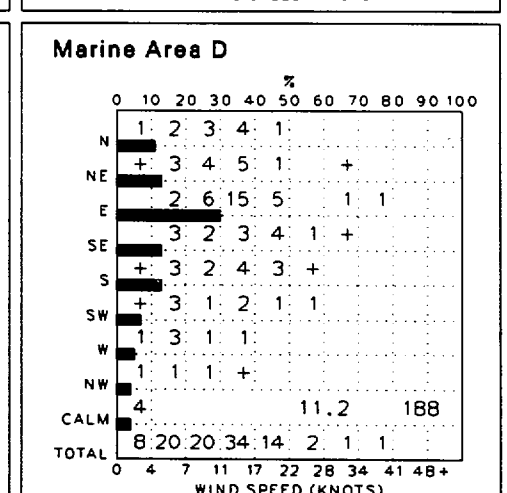

Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 4 3 1 + + + +
NE + + + + + +
E 1 1 + + + +
SE 2 4 6 3 1 + +
S 4 5 5 2 1 + +
SW 2 1 1 1 + + + +
W 1 1 1 1 1 1 1 + + +
NW 2 3 5 4 2 2 1 1 +
CALM 16 8.8 4246
TOTAL 31 17 22 14 7 5 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)





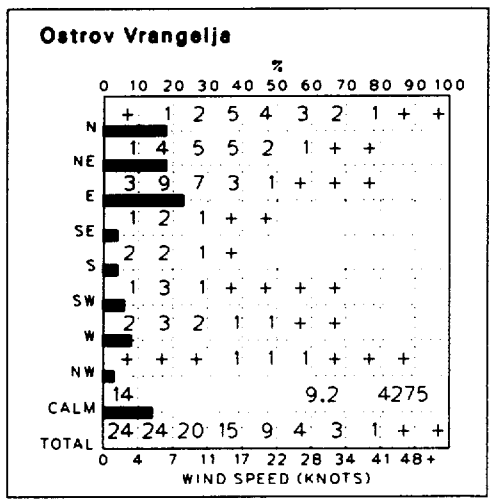


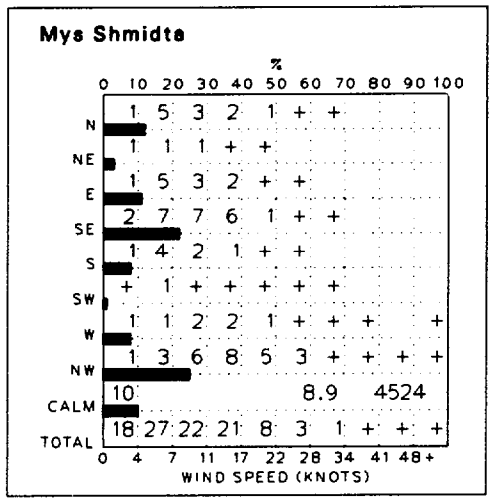


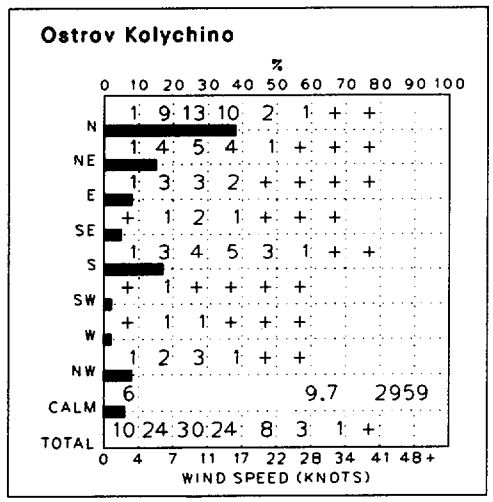


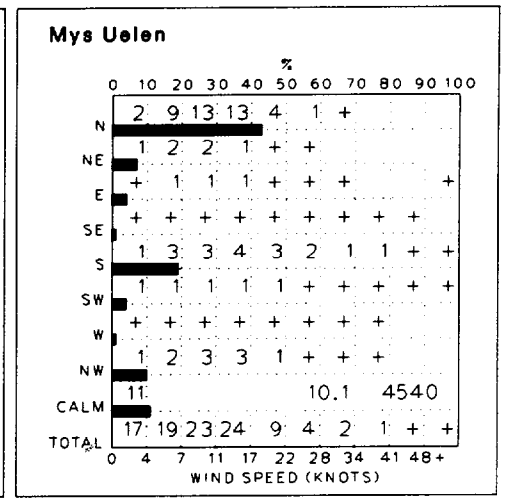
11 Wind Speed ≦10 and ≧34 Knots

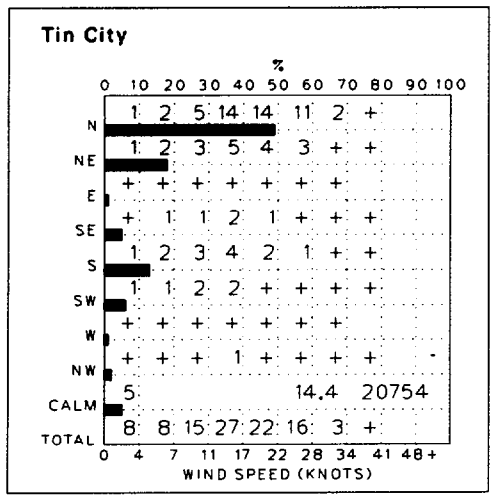
April

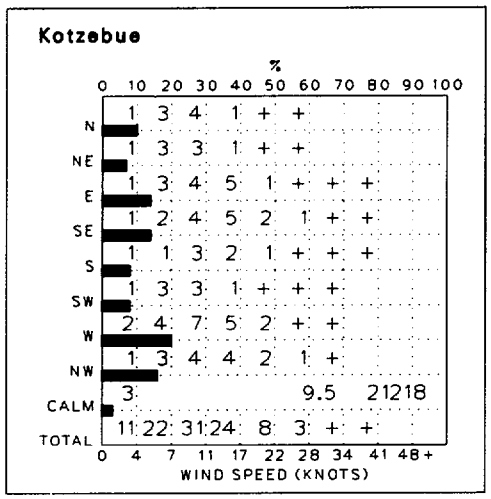

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 5 4 3 2 1 + +
NE 1 4 5 5 2 1 + +
E 3 9 7 3 1 + + +
SE 1 2 1 + +
S 2 2 1 +
SW 1 3 1 + + + +
W 2 3 2 1 1 + +
NW + + + 1 1 1 + + +
CALL 14 9.2 4275
TOTAL 24 24 20 15 9 4 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

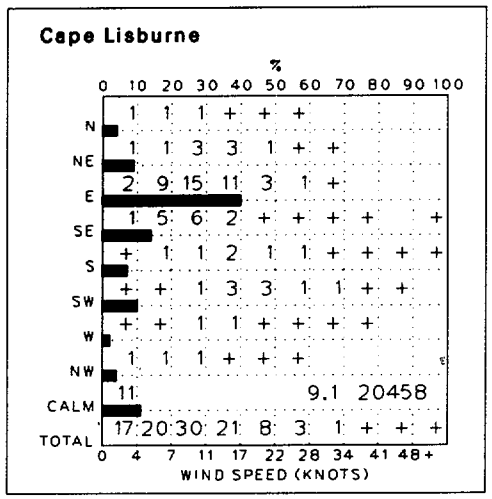

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N 1 5 3 2 1 + +
NE 1 1 1 + +
E 1 5 3 2 + +
SE 2 7 7 6 1 + +
S 1 4 2 1 + +
SW + 1 + + + + +
W 1 1 2 2 1 + + + +
NW 1 3 6 8 5 3 + + + +
CALL 10 8.9 4524
TOTAL 18 27 22 21 8 3 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

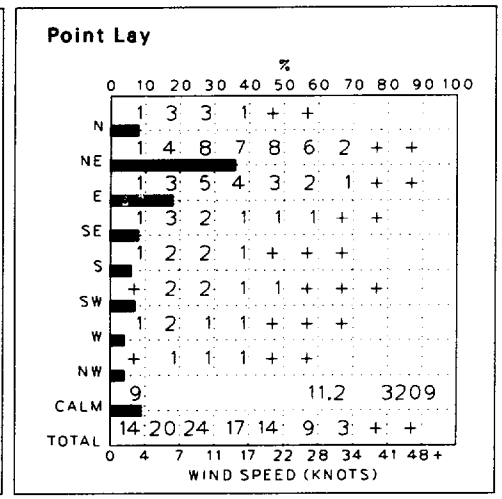

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 9 13 10 2 1 + +
NE 1 4 5 4 1 + + +
E 1 3 3 2 + + + +
SE + 1 2 1 + + +
S 1 3 4 5 3 1 + +
SW + 1 + + + +
W + 1 1 + + +
NW 1 2 3 1 + +
CALL 6 9.7 2959
TOTAL 10 24 30 24 8 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

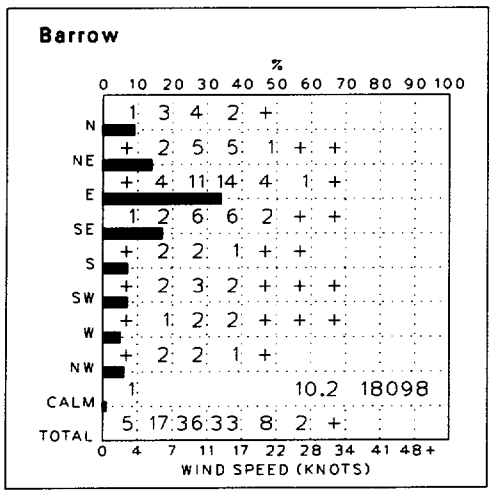

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N 2 9 13 13 4 1 +
NE 1 2 2 1 + +
E + 1 1 1 + + + +
SE + + + + + + + + +
S 1 3 3 4 3 2 1 1 + +
SW 1 1 1 1 1 + + + + +
W + + + + + + + +
NW 1 2 3 3 1 + + +
CALL 11 10.1 4540
TOTAL 17 19 23 24 9 4 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

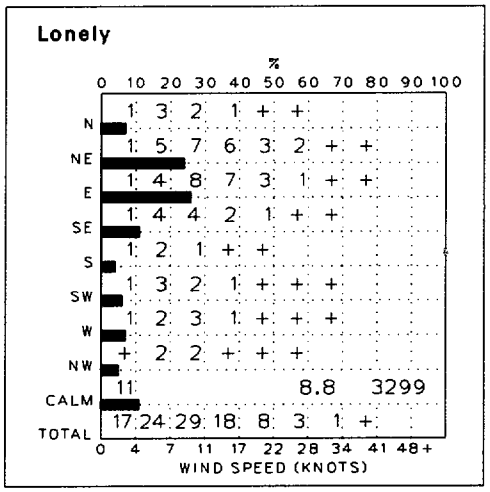

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 5 14 14 11 2 +
NE 1 2 3 5 4 3 + +
E + + + + + + +
SE + 1 1 2 1 + + +
S 1 2 3 4 2 1 + +
SW 1 1 2 2 + + + +
W + + + + + + +
NW + + + 1 + + + + +
CALL 5 14.4 20754
TOTAL 8 8 15 27 22 16 3 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

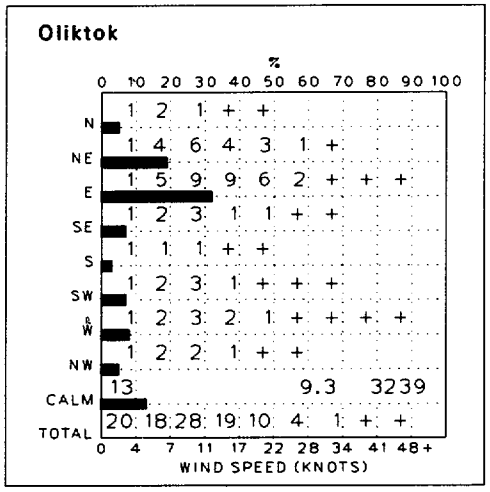

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 4 1 + +
NE 1 3 3 1 + +
E 1 3 4 5 1 + + +
SE 1 2 4 5 2 1 + +
S 1 1 3 2 1 + + +
SW 1 3 3 1 + + +
W 2 4 7 5 2 + +
NW 1 3 4 4 2 1 +
CALL 3 9.5 21218
TOTAL 11 22 31 24 8 3 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

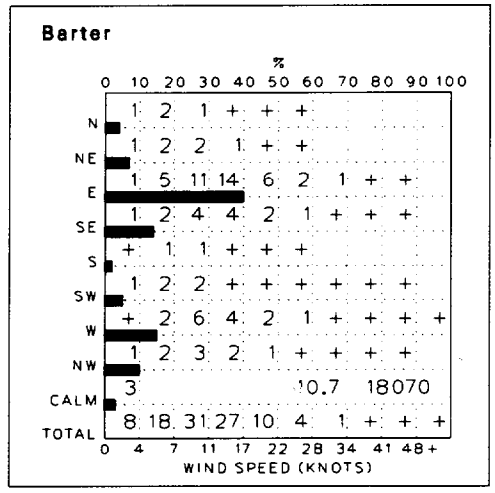

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 + + +
NE 1 1 3 3 1 + +
E 2 9 15 11 3 1 +
SE 1 5 6 2 + + + + +
S + 1 1 2 1 1 + + + +
SW + + 1 3 3 1 1 + +
W + + 1 1 + + + +
NW 1 1 1 + + +
CALL 11 9.1 20458
TOTAL 17 20 30 21 8 3 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

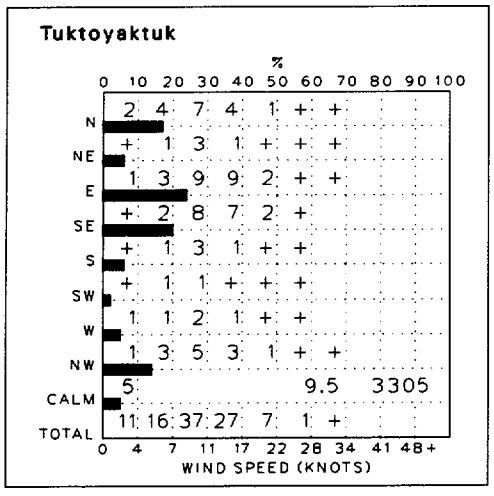

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 3 1 + +
NE 1 4 8 7 8 6 2 + +
E 1 3 5 4 3 2 1 + +
SE 1 3 2 1 1 1 + +
S 1 2 2 1 + + +
SW + 2 2 1 1 + + +
W 1 2 1 1 + + +
NW + 1 1 1 + +
CALL 9 11.2 3209
TOTAL 14 20 24 17 14 9 3 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

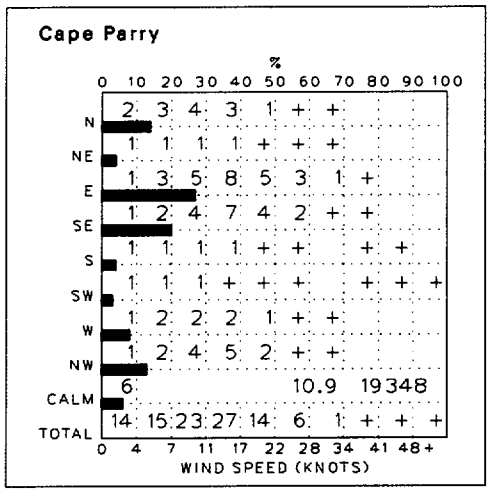

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 4 2 +
NE + 2 5 5 1 + +
E + 4 11 14 4 1 +
SE 1 2 6 6 2 + +
S + 2 2 1 + +
SW + 2 3 2 + + +
W + 1 2 2 + + +
NW + 2 2 1 +
CALL 1 10.2 18098
TOTAL 5 17 36 33 8 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

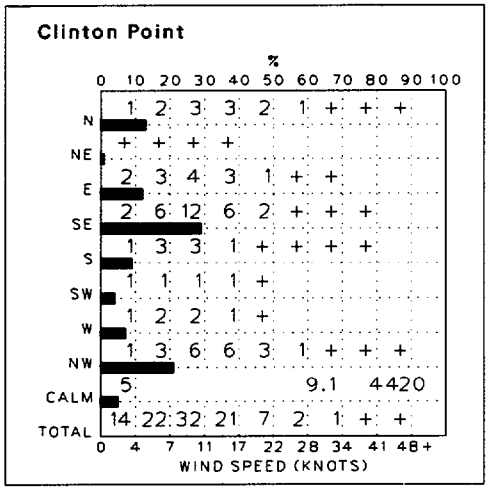

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 2 1 + +
NE 1 5 7 6 3 2 + +
E 1 4 8 7 3 1 + +
SE 1 4 4 2 1 + +
S 1 2 1 + +
SW 1 3 2 1 + + +
W 1 2 3 1 + + +
NW + 2 2 + + +
CALL 11 8.8 3299
TOTAL 17 24 29 18 8 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

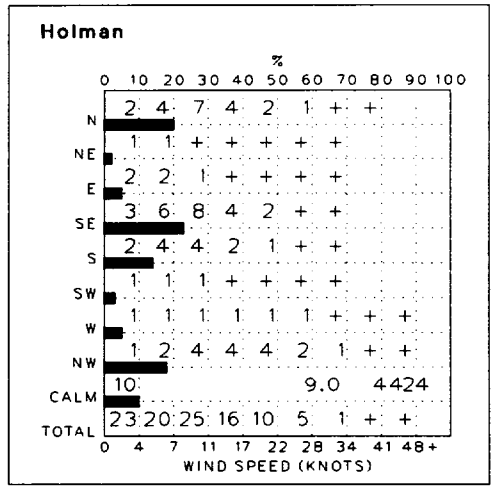

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 1 + +
NE 1 4 6 4 3 1 +
E 1 5 9 9 6 2 + + +
SE 1 2 3 1 1 + +
S 1 1 1 + +
SW 1 2 3 1 + + +
W 1 2 3 2 1 + + + +
NW 1 2 2 1 + +
CALL 13 9.3 3239
TOTAL 20 18 28 19 10 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

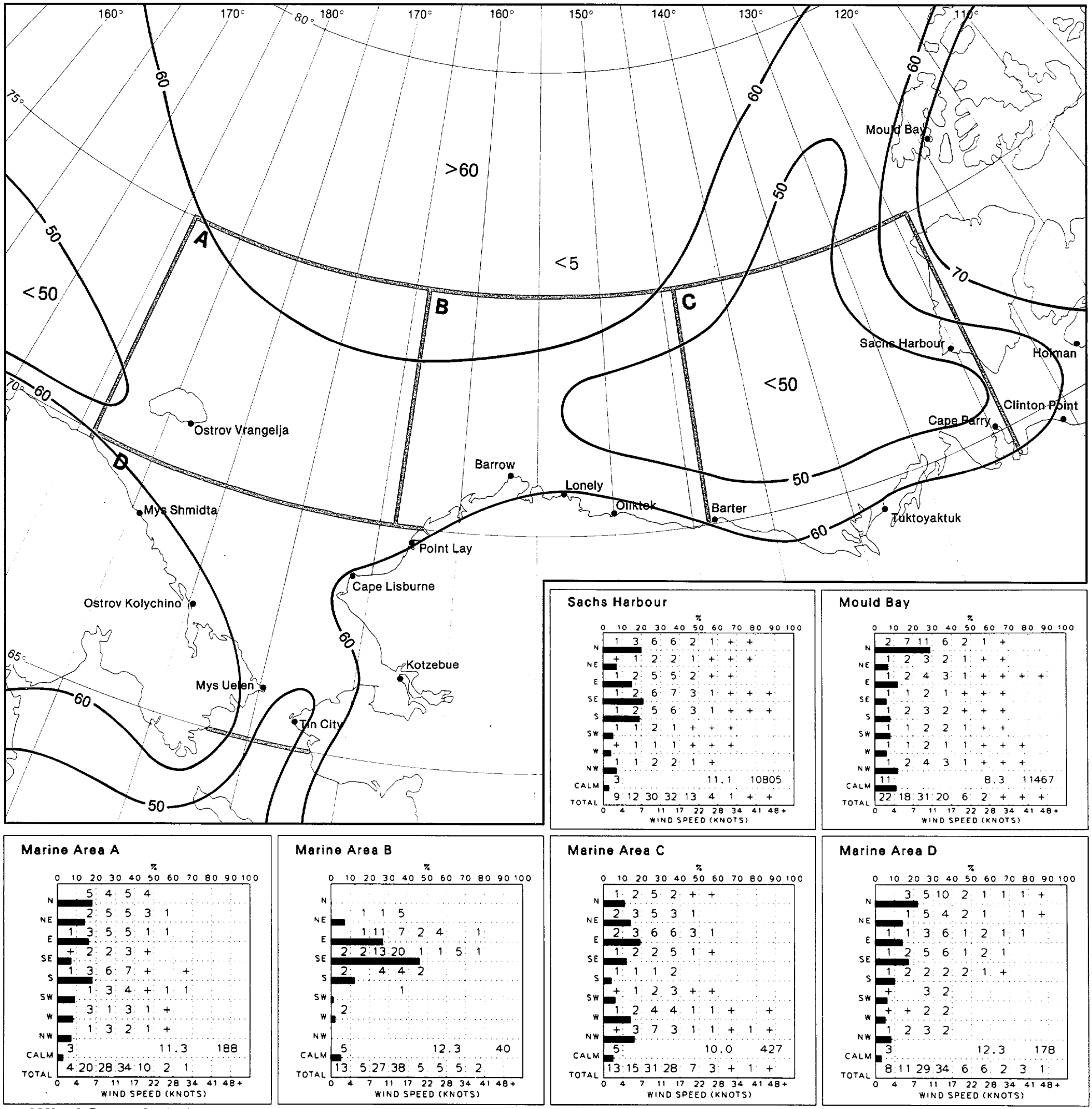

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 1 + + +
NE 1 2 2 1 + +
E 1 5 11 14 6 2 1 + +
SE 1 2 4 4 2 1 + + +
S + 1 1 + + +
SW 1 2 2 + + + + + +
W + 2 6 4 2 1 + + + +
NW 1 2 3 2 1 + + + +
CALL 3 10.7 18070
TOTAL 8 18 31 27 10 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 2 4 7 4 1 + +
NE + 1 3 1 + + +
E 1 3 9 9 2 + +
SE + 2 8 7 2 +
S + 1 3 1 + +
SW + 1 1 + + +
W 1 1 2 1 + +
NW 1 3 5 3 1 + +
CALL 5 9.5 3305
TOTAL 11 16 37 27 7 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 4 3 1 + +
NE 1 1 1 1 + + +
E 1 3 5 8 5 3 1 +
SE 1 2 4 7 4 2 + +
S 1 1 1 1 + + + +
SW 1 1 1 + + + + + +
W 1 2 2 2 1 + +
NW 1 2 4 5 2 + +
CALL 6 10.9 19348
TOTAL 14 15 23 27 14 6 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

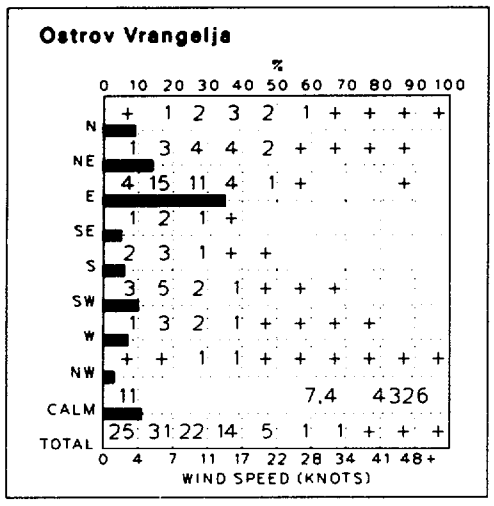

Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 3 2 1 + + +
NE + + + +
E 2 3 4 3 1 + +
SE 2 6 12 6 2 + + +
S 1 3 3 1 + + + +
SW 1 1 1 1 +
W 1 2 2 1 +
NW 1 3 6 6 3 1 + + +
CALL 5 9.1 4420
TOTAL 14 22 32 21 7 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

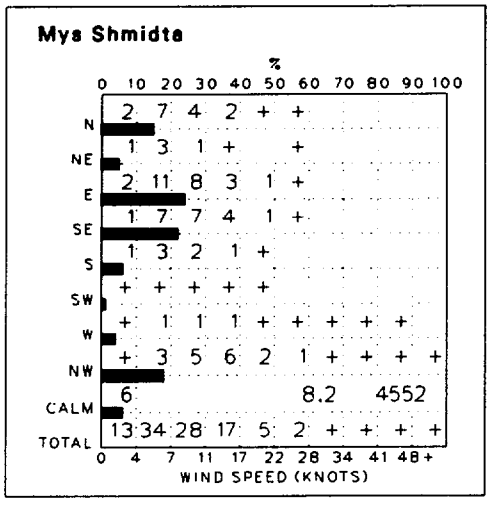

Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 2 4 7 4 2 1 + +
NE 1 1 + + + + +
E 2 2 1 + + + +
SE 3 6 8 4 2 + +
S 2 4 4 2 1 + +
SW 1 1 1 + + + +
W 1 1 1 1 1 1 + + +
NW 1 2 4 4 4 2 1 + +
CALL 10 9.0 4424
TOTAL 23 20 25 16 10 5 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

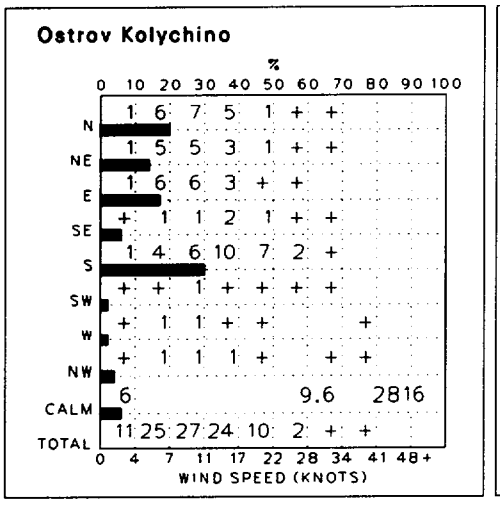


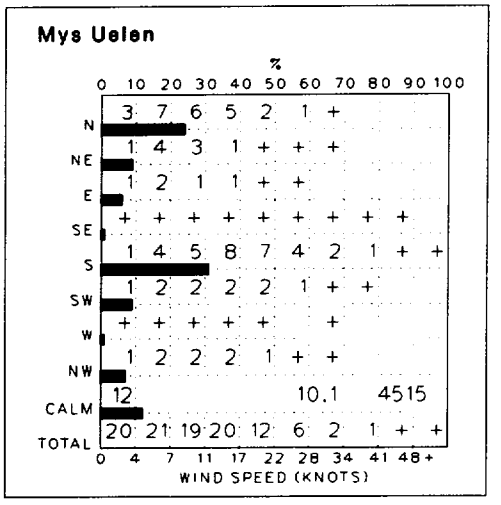
11 Wind Speed ≦10 and ≧34 Knots

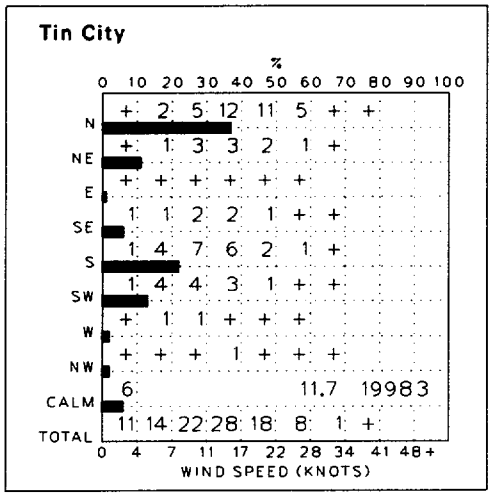
May

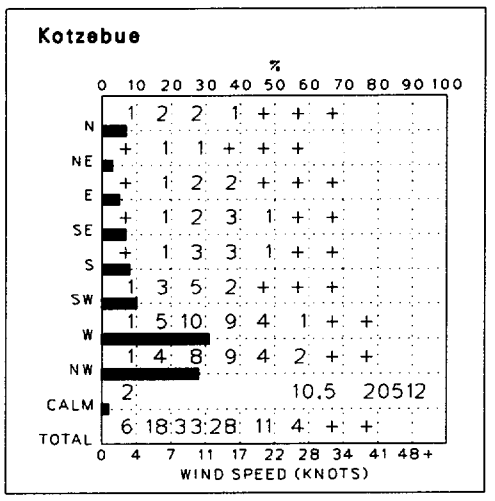

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 3 2 1 + + + +
NE 1 3 4 4 2 + + + +
E 4 15 11 4 1 + +
SE 1 2 1 +
S 2 3 1 + +
SW 3 5 2 1 + + +
W 1 3 2 1 + + + +
NW + + 1 1 + + + + + +
CALM 11 7.4 4326
TOTAL 25 31 22 14 5 1 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

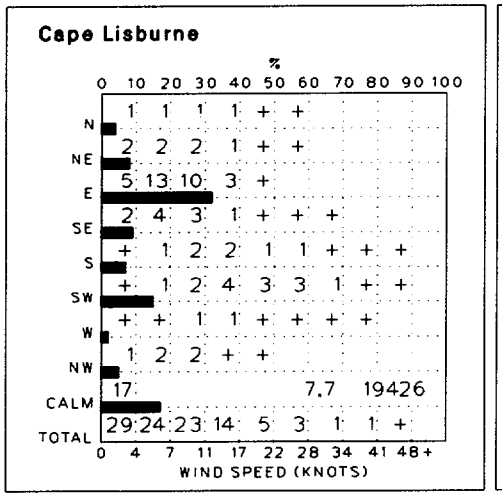

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N 2 7 4 2 + +
NE 1 3 1 + +
E 2 11 8 3 1 +
SE 1 7 7 4 1 +
S 1 3 2 1 +
SW + + + + +
W + 1 1 1 + + + + +
NW + 3 5 6 2 1 + + + +
CALM 6 8.2 4552
TOTAL 13 34 28 17 5 2 + + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

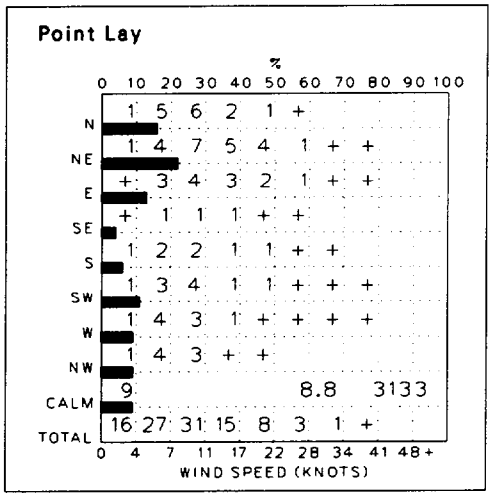

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 6 7 5 1 + +
NE 1 5 5 3 1 + +
E 1 6 6 3 + +
SE + 1 1 2 1 + +
S 1 4 6 10 7 2 +
SW + + 1 + + + +
W + 1 1 + + +
NW + 1 1 1 + + +
CALM 6 9.6 2816
TOTAL 11 25 27 24 10 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

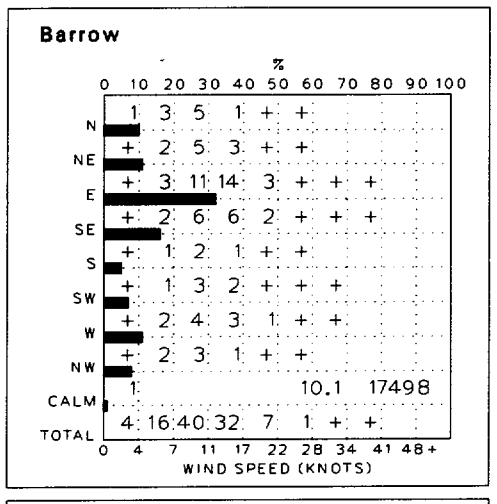

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N 3 7 6 5 2 1 +
NE 1 4 3 1 + + +
E 1 2 1 1 + +
SE + + + + + + + + +
S 1 4 5 8 7 4 2 1 + +
SW 1 2 2 2 2 1 + +
W + + + + + +
NW 1 2 2 2 1 + +
CALM 12 10.1 4515
TOTAL 20 21 19 20 12 6 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

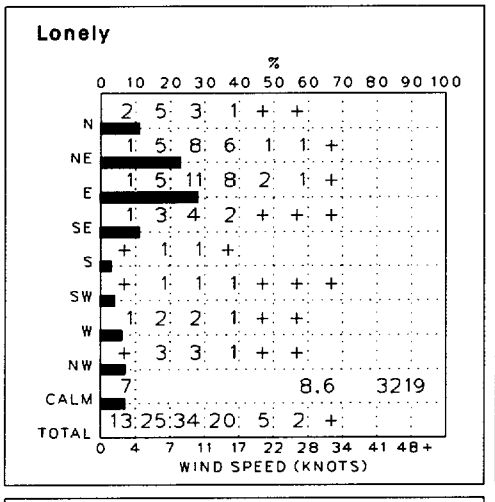

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 5 12 11 5 + +
NE + 1 3 3 2 1 +
E + + + + + +
SE 1 1 2 2 1 + +
S 1 4 7 6 2 1 +
SW 1 4 4 3 1 + +
W + 1 1 + + +
NW + + + 1 + + +
CALM 6 11.7 19983
TOTAL 11 14 22 28 18 8 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

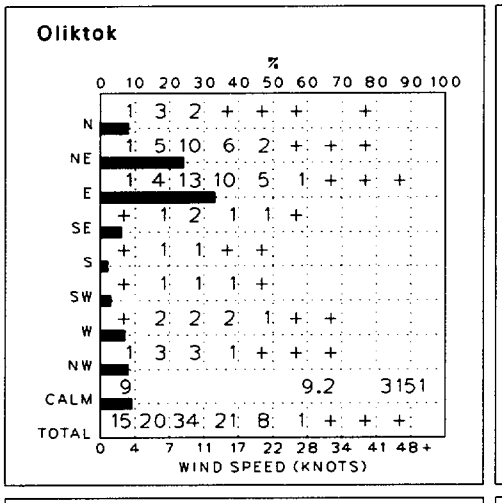

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 1 + + +
NE + 1 1 + + +
E + 1 2 2 + + +
SE + 1 2 3 1 + +
S + 1 3 3 1 + +
SW 1 3 5 2 + + +
W 1 5 10 9 4 1 + +
NW 1 4 8 9 4 2 + +
CALM 2 10.5 20512
TOTAL 6 18 33 28 11 4 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

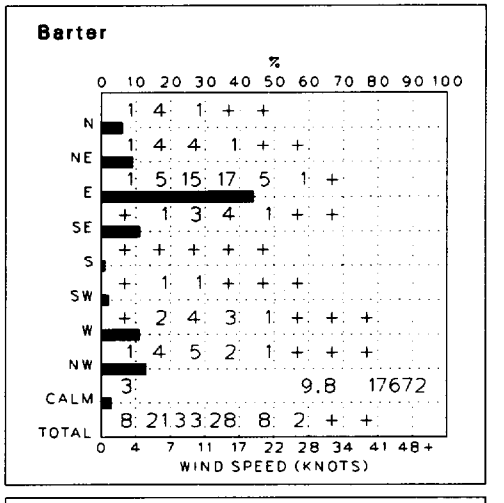

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 1 + +
NE 2 2 2 1 + +
E 5 13 10 3 +
SE 2 4 3 1 + + +
S + 1 2 2 1 1 + + +
SW + 1 2 4 3 3 1 + +
W + + 1 1 + + + +
NW 1 2 2 + +
CALM 17 7.7 19426
TOTAL 29 24 23 14 5 3 1 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

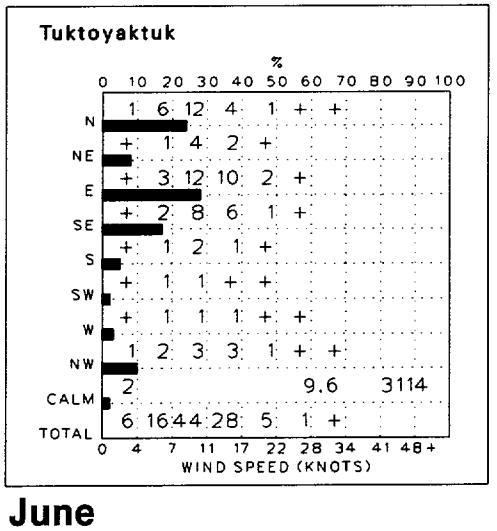

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N 1 5 6 2 1 +
NE 1 4 7 5 4 1 + +
E + 3 4 3 2 1 + +
SE + 1 1 1 + +
S 1 2 2 1 1 + +
SW 1 3 4 1 1 + + +
W 1 4 3 1 + + + +
NW 1 4 3 + +
CALM 9 8.8 3133
TOTAL 16 27 31 15 8 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

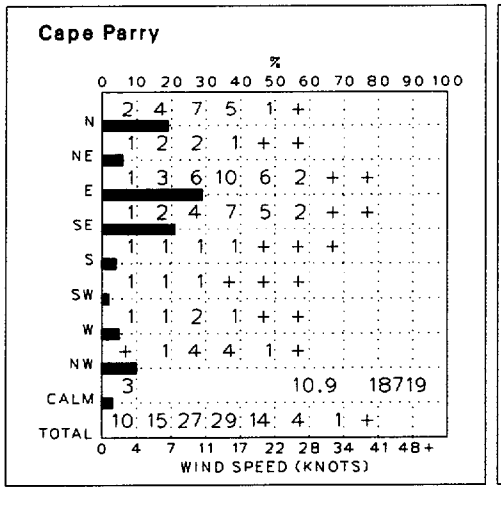

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 5 1 + +
NE + 2 5 3 + +
E + 3 11 14 3 + + +
SE + 2 6 6 2 + + +
S + 1 2 1 + +
SW + 1 3 2 + + +
W + 2 4 3 1 + +
NW + 2 3 1 + +
CALM 1 10.1 17498
TOTAL 4 16 40 32 7 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

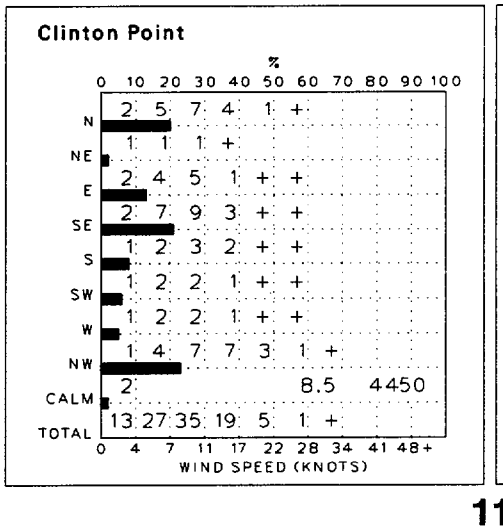

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 3 1 + +
NE 1 5 8 6 1 1 +
E 1 5 11 8 2 1 +
SE 1 3 4 2 + + +
S + 1 1 +
SW + 1 1 1 + + +
W 1 2 2 1 + +
NW + 3 3 1 + +
CALM 7 8.6 3219
TOTAL 13 25 34 20 5 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

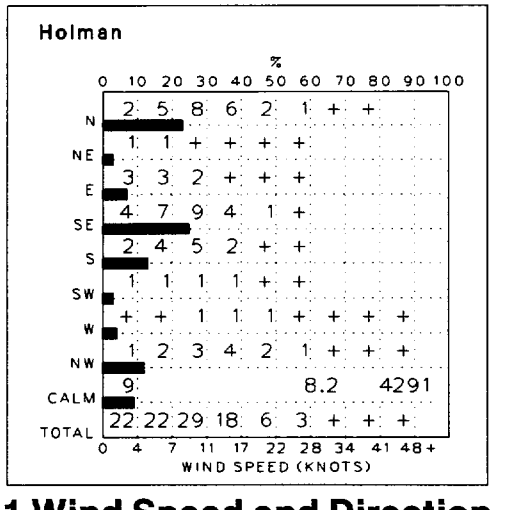

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 2 + + + +
NE 1 5 10 6 2 + + +
E 1 4 13 10 5 1 + + +
SE + 1 2 1 1 +
S + 1 1 + +
SW + 1 1 1 +
W + 2 2 2 1 + +
NW 1 3 3 1 + + +
CALM 9 9.2 3151
TOTAL 15 20 34 21 8 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

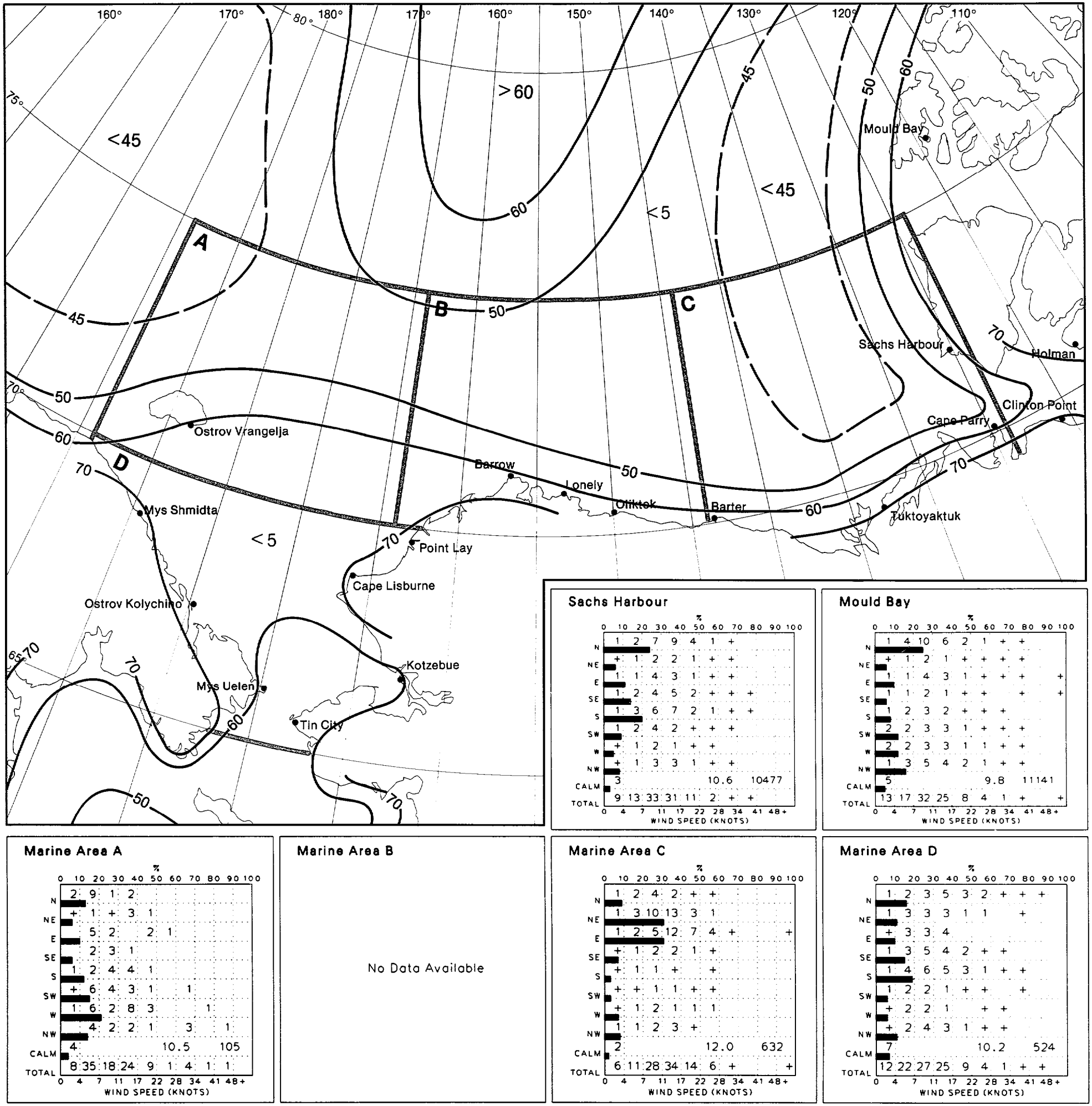

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 1 + +
NE 1 4 4 1 + +
E 1 5 15 17 5 1 +
SE + 1 3 4 1 + +
S + + + + +
SW + 1 1 + + +
W + 2 4 3 1 + + +
NW 1 4 5 2 1 + + +
CALM 3 9.8 17672
TOTAL 8 21 33 28 8 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 1 6 12 4 1 + +
NE + 1 4 2 +
E + 3 12 10 2 +
SE + 2 8 6 1 +
S + 1 2 1 +
SW + 1 1 + +
W + 1 1 1 + +
NW 1 2 3 3 1 + +
CALM 2 9.6 3114
TOTAL 6 16 44 28 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

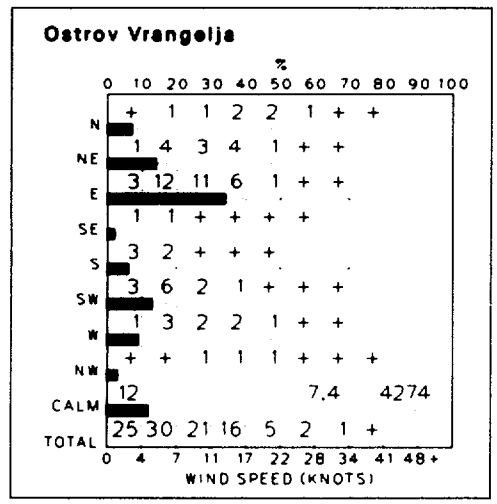

Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 2 4 7 5 1 +
NE 1 2 2 1 + +
E 1 3 6 10 6 2 + +
SE 1 2 4 7 5 2 + +
S 1 1 1 1 + + +
SW 1 1 1 + + +
W 1 1 2 1 + +
NW + 1 4 4 1 +
CALM 3 10.9 18719
TOTAL 10 15 27 29 14 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

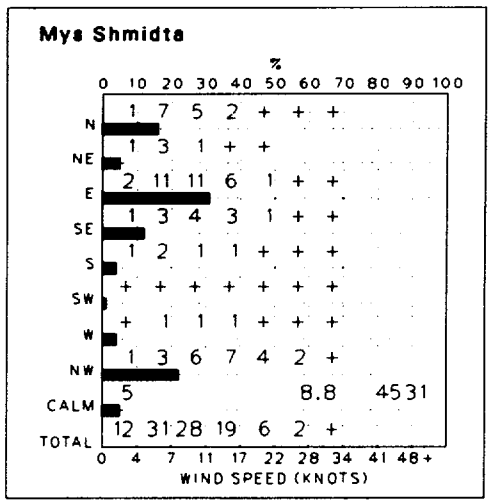

Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 7 4 1 +
NE 1 1 1 +
E 2 4 5 1 + +
SE 2 7 9 3 + +
S 1 2 3 2 + +
SW 1 2 2 1 + +
W 1 2 2 1 + +
NW 1 4 7 7 3 1 +
CALM 2 8.5 4450
TOTAL 13 27 35 19 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

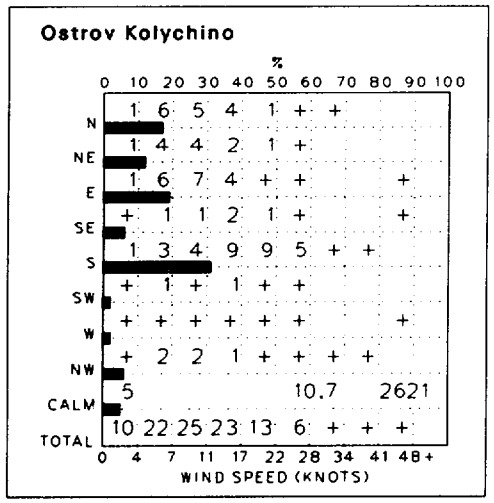

Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 8 6 2 1 + +
NE 1 1 + + + +
E 3 3 2 + + +
SE 4 7 9 4 1 +
S 2 4 5 2 + +
SW 1 1 1 1 + +
W + + 1 1 1 + + + +
NW 1 2 3 4 2 1 + + +
CALM 9 8.2 4291
TOTAL 22 22 29 18 6 3 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

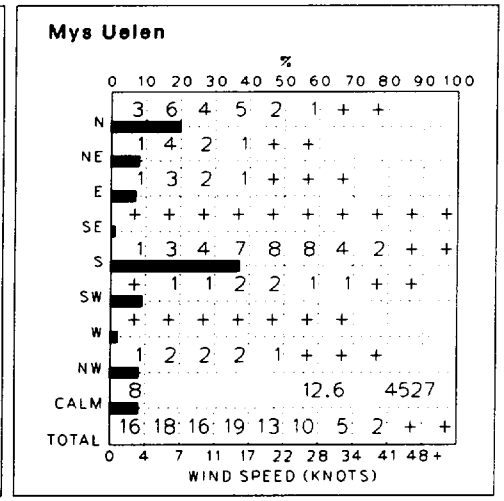


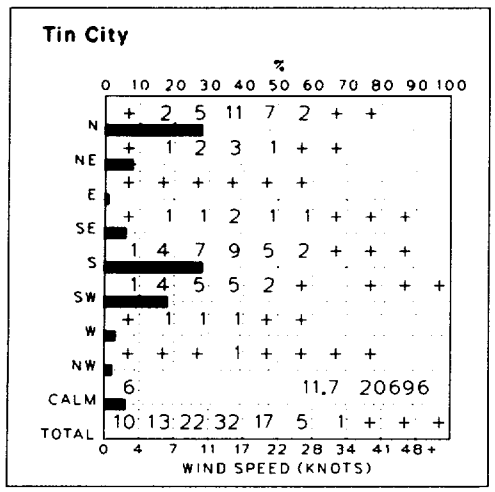
11 Wind Speed ≦10 and ≧34 Knots **June**

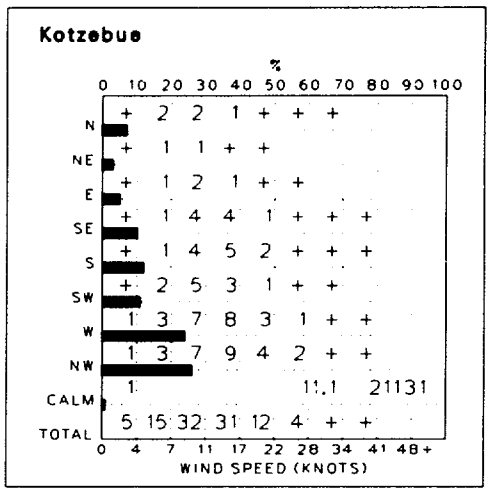

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 1 2 2 1 + +
NE 1 4 3 4 1 + +
E 3 12 11 6 1 + +
SE 1 1 + + + +
S 3 2 + + +
SW 3 6 2 1 + + +
W 1 3 2 2 1 + +
NW + + 1 1 1 + + +
CALM 12 7.4 4274
TOTAL 25 30 21 16 5 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

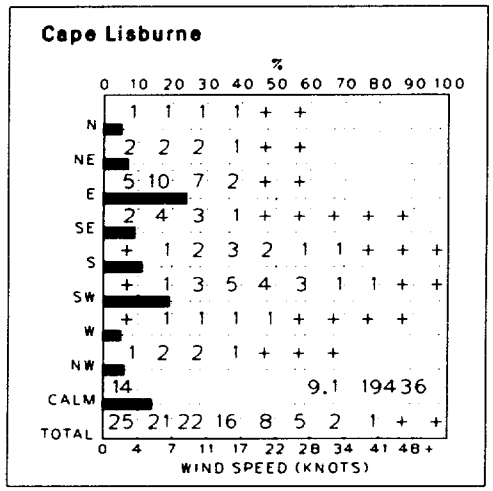

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N 1 7 5 2 + + +
NE 1 3 1 + +
E 2 11 11 6 1 + +
SE 1 3 4 3 1 + +
S 1 2 1 1 + + +
SW + + + + + + +
W + 1 1 1 + + +
NW 1 3 6 7 4 2 +
CALM 5 8.8 4531
TOTAL 12 31 28 19 6 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

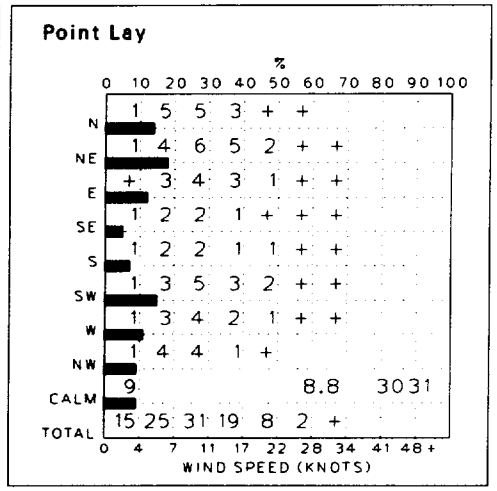

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 6 5 4 1 + +
NE 1 4 4 2 1 +
E 1 6 7 4 + + +
SE + 1 1 2 1 + +
S 1 3 4 9 9 5 + +
SW + 1 + 1 + +
W + + + + + + +
NW + 2 2 1 + + + +
CALM 5 10.7 2621
TOTAL 10 22 25 23 13 6 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

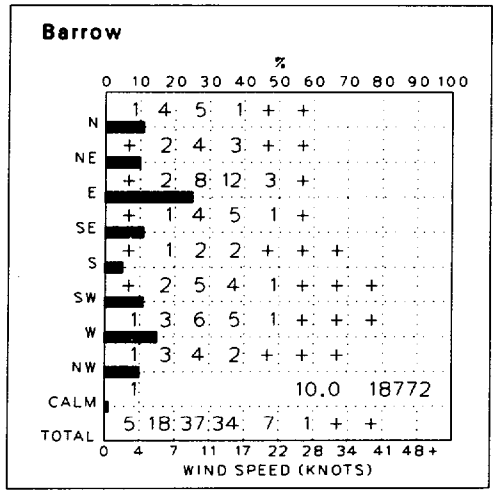

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N 3 6 4 5 2 1 + +
NE 1 4 2 1 + +
E 1 3 2 1 + + +
SE + + + + + + + + + +
S 1 3 4 7 8 8 4 2 + +
SW + 1 1 2 2 1 1 + +
W + + + + + + +
NW 1 2 2 2 1 + + +
CALM 8 12.6 4527
TOTAL 16 18 16 19 13 10 5 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

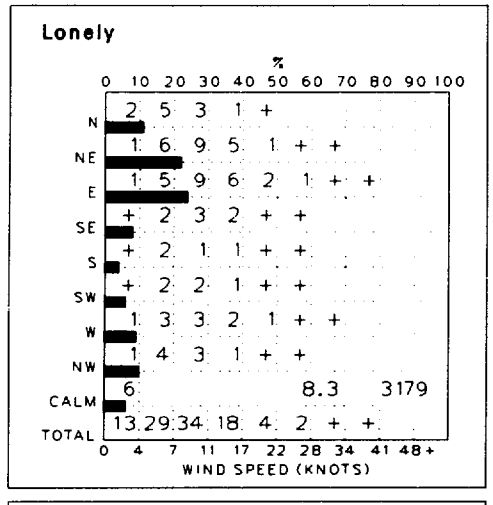

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 5 11 7 2 + +
NE + 1 2 3 1 + +
E + + + + + +
SE + 1 1 2 1 1 + + +
S 1 4 7 9 5 2 + + +
SW 1 4 5 5 2 + + + +
W + 1 1 1 + +
NW + + + 1 + + + +
CALM 6 11.7 20696
TOTAL 10 13 22 32 17 5 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

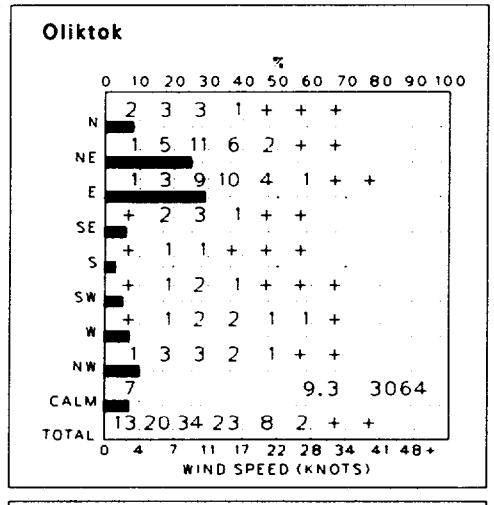

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 2 1 + + +
NE + 1 1 + +
E + 1 2 1 + +
SE + 1 4 4 1 + + +
S + 1 4 5 2 + + +
SW + 2 5 3 1 + +
W 1 3 7 8 3 1 + +
NW 1 3 7 9 4 2 + +
CALM 1 11.1 21131
TOTAL 5 15 32 31 12 4 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

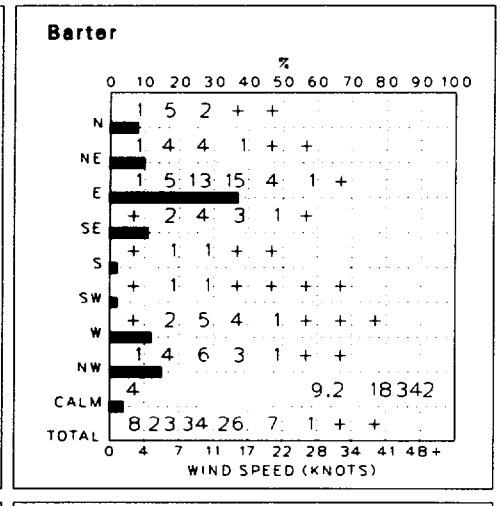

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N 1 1 1 1 + +
NE 2 2 2 1 + +
E 5 10 7 2 + +
SE 2 4 3 1 + + + + +
S + 1 2 3 2 1 1 + + +
SW + 1 3 5 4 3 1 1 + +
W + 1 1 1 1 + + + +
NW 1 2 2 1 + + +
CALM 14 9.1 19436
TOTAL 25 21 22 16 8 5 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

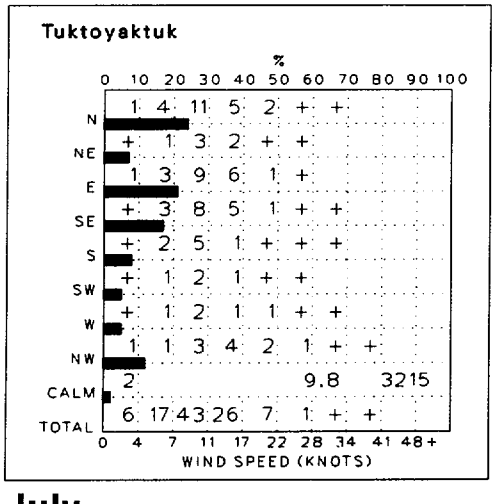

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N 1 5 5 3 + +
NE 1 4 6 5 2 + +
E + 3 4 3 1 + +
SE 1 2 2 1 + + +
S 1 2 2 1 1 + +
SW 1 3 5 3 2 + +
W 1 3 4 2 1 + +
NW 1 4 4 1 +
CALM 9 8.8 3031
TOTAL 15 25 31 19 8 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

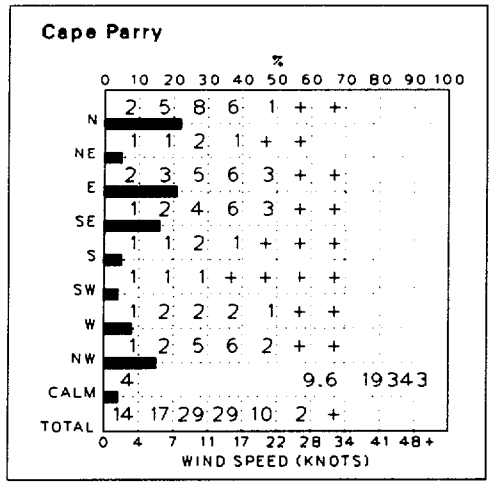

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 5 1 + +
NE + 2 4 3 + +
E + 2 8 12 3 +
SE + 1 4 5 1 +
S + 1 2 2 + + +
SW + 2 5 4 1 + + +
W 1 3 6 5 1 + + +
NW 1 3 4 2 + + +
CALM 1 10.0 18772
TOTAL 5 18 37 34 7 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

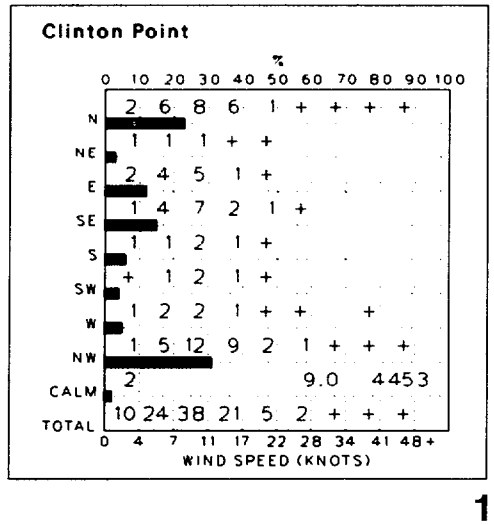

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 3 1 +
NE 1 6 9 5 1 + +
E 1 5 9 6 2 1 + +
SE + 2 3 2 + +
S + 2 1 1 + +
SW + 2 2 1 + +
W 1 3 3 2 1 + +
NW 1 4 3 1 + +
CALM 6 8.3 3179
TOTAL 13 29 34 18 4 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

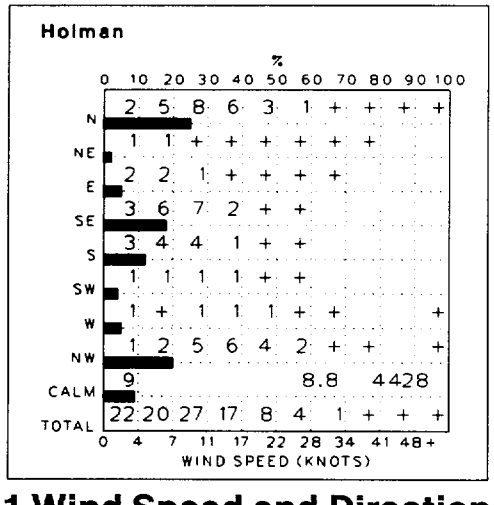

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 3 1 + + +
NE 1 5 11 6 2 + +
E 1 3 9 10 4 1 + +
SE + 2 3 1 + +
S + 1 1 + + +
SW + 1 2 1 + + +
W + 1 2 2 1 1 +
NW 1 3 3 2 1 + +
CALM 7 9.3 3064
TOTAL 13 20 34 23 8 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

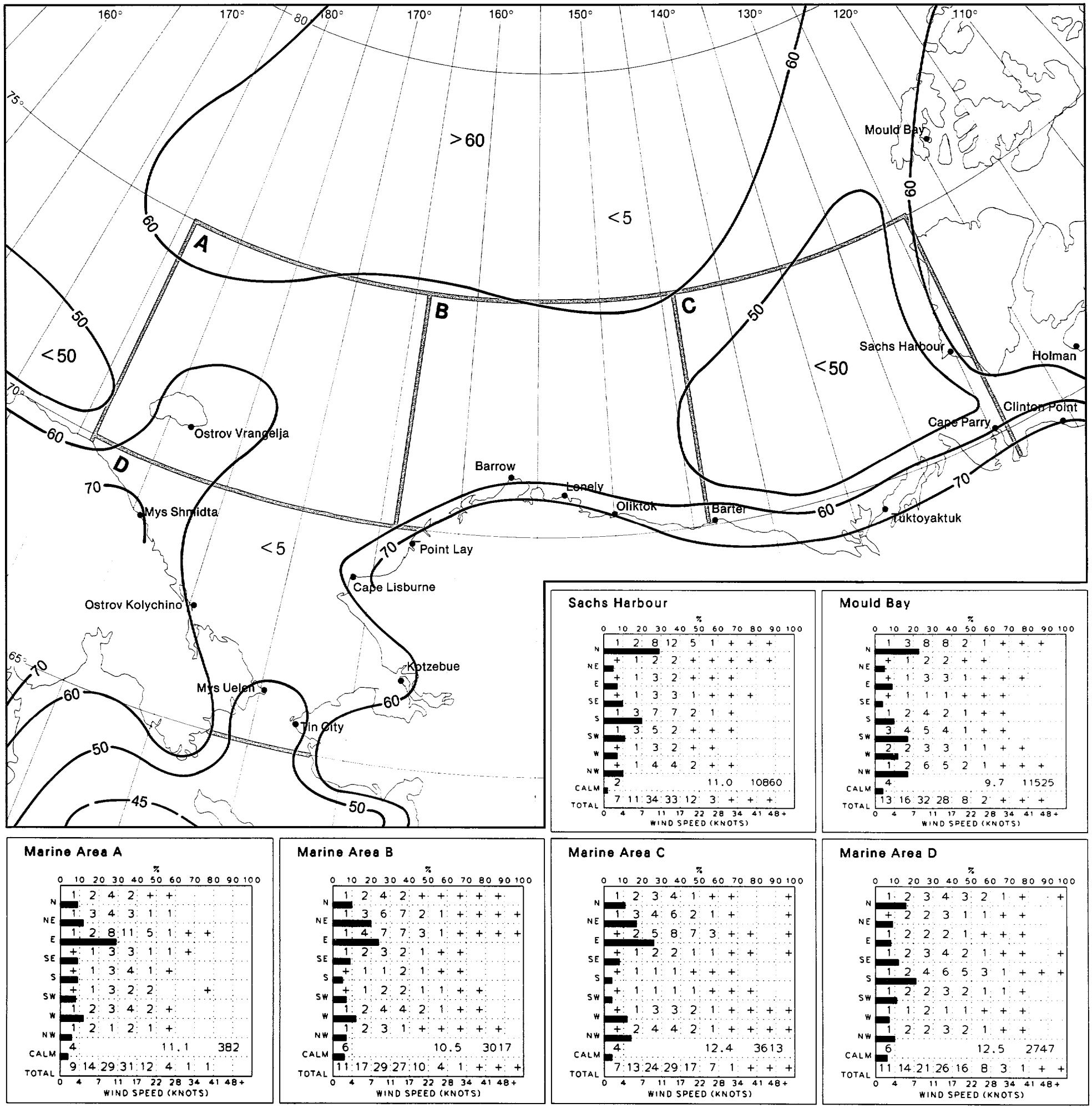

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N 1 5 2 + +
NE 1 4 4 1 + +
E 1 5 13 15 4 1 +
SE + 2 4 3 1 +
S + 1 1 + +
SW + 1 1 + + + +
W + 2 5 4 1 + + +
NW 1 4 6 3 1 + +
CALM 4 9.2 18342
TOTAL 8 23 34 26 7 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 11 5 2 + +
NE + 1 3 2 + +
E 1 3 9 6 1 +
SE + 3 8 5 1 + +
S + 2 5 1 + + +
SW + 1 2 1 + +
W + 1 2 1 1 + +
NW 1 1 3 4 2 1 + +
CALM 2 9.8 3215
TOTAL 6 17 43 26 7 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 8 6 1 + +
NE 1 1 2 1 + +
E 2 3 5 6 3 + +
SE 1 2 4 6 3 + +
S 1 1 2 1 + + +
SW 1 1 1 + + + +
W 1 2 2 2 1 + +
NW 1 2 5 6 2 + +
CALM 4 9.6 19343
TOTAL 14 17 29 29 10 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N 2 6 8 6 1 + + + +
NE 1 1 1 + +
E 2 4 5 1 +
SE 1 4 7 2 1 +
S 1 1 2 1 +
SW + 1 2 1 +
W 1 2 2 1 + + +
NW 1 5 12 9 2 1 + + +
CALM 2 9.0 4453
TOTAL 10 24 38 21 5 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 2 5 8 6 3 1 + + + +
NE 1 1 + + + + + +
E 2 2 1 + + + +
SE 3 6 7 2 + +
S 3 4 4 1 + +
SW 1 1 1 1 + +
W 1 + 1 1 1 + + +
NW 1 2 5 6 4 2 + + +
CALM 9 8.8 4428
TOTAL 22 20 27 17 8 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)



11 Wind Speed ≦10 and ≧34 Knots

July

Ostrov Vrangelja

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	1	3	4	3	2	1	+	+		
NE	1	3	3	3	1	+	+	+	+		
E	3	9	7	3	1	+	+				
SE	1	2	+	+	+	+	+				
S	2	3	+	+	+						
SW	3	5	2	1	+	+					
W	2	5	3	2	1	+	+				
NW	+	1	1	1	1	1	+	+			
CALM	13										8.2 4278
TOTAL	26	28	19	14	7	4	1	+	+		

WIND SPEED (KNOTS)

Mys Shmidta

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	6	4	2	1	+					
NE	1	2	1	+	+						
E	2	9	7	4	1	+					
SE	1	3	3	2	+	+					
S	1	3	1	1	+	+					
SW	+	1	+	+	+						
W	+	1	2	2	1	+	+	+			
NW	1	4	7	10	5	3	1	+			
CALM	7										9.3 4583
TOTAL	13	29	25	20	8	4	1	+			

WIND SPEED (KNOTS)

Ostrov Kolychino

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	5	6	7	2	1	+	+	+		
NE	1	3	4	3	1	1	+	+			
E	1	4	4	2	+	+					
SE	+	1	1	2	1	+	+				
S	1	3	5	10	6	2	+	+			
SW	+	1	1	+	+	+	+				
W	+	1	1	1	+	+	+				
NW	+	2	3	3	1	+	+	+	+		
CALM	4										11.3 2572
TOTAL	8	20	26	29	12	5	1	+	+		

WIND SPEED (KNOTS)

Mys Uelen

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	2	6	6	7	5	2	+	+			
NE	1	3	2	1	+	+	+				
E	1	2	2	1	+	+	+		+		
SE	+	+	+	+	+	+	+	+	+		
S	1	3	4	7	7	5	2	1	+	+	
SW	+	1	1	2	1	1	+	+	+		
W	+	1	1	1	+	+	+				
NW	1	2	2	4	2	1	+	+			
CALM	8										12.3 4544
TOTAL	14	17	17	23	16	9	3	1	+	+	

WIND SPEED (KNOTS)

Tin City

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	7	14	8	3	+	+			
NE	1	2	4	4	2	1	+	+			
E	+	+	+	+	+	+	+				
SE	+	1	1	2	1	+	+	+	+		
S	1	3	5	6	3	2	+	+	+		
SW	1	3	4	4	2	1	+				
W	+	1	1	1	+	+					
NW	+	+	1	1	1	+	+				
CALM	4										12.3 20815
TOTAL	8	12	23	32	17	7	1	+	+		

WIND SPEED (KNOTS)

Kotzebue

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	3	2	1	+	+	+			
NE	+	2	2	+	+	+					
E	1	2	3	3	1	+	+				
SE	+	2	5	6	2	1	+	+			
S	+	1	3	5	2	1	+	+			
SW	+	1	3	3	1	+	+	+			
W	+	2	5	6	2	1	+	+			
NW	+	2	5	7	4	2	+	+			
CALM	2										11.3 21792
TOTAL	5	15	30	32	13	4	+	+			

WIND SPEED (KNOTS)

Cape Lisburne

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	1	2	2	+	+	+				
NE	1	2	3	4	1	+	+				
E	2	6	7	5	2	1	+			+	
SE	2	4	2	1	+	+	+	+			
S	1	2	3	3	2	1	+	+	+		
SW	+	1	3	5	3	2	+	+	+	+	
W	+	1	2	1	+	+	+	+		+	
NW	1	1	2	2	1	+	+				
CALM	11										9.4 20264
TOTAL	19	20	24	22	10	4	1	+	+	+	

WIND SPEED (KNOTS)

Point Lay

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	5	1	+	+					
NE	1	4	6	4	1	+					
E	1	4	6	4	1	+	+				
SE	1	2	2	1	1	+	+				
S	1	2	2	2	1	+	+				
SW	1	3	3	3	1	1	+	+			
W	1	3	3	2	1	1	+	+			
NW	1	3	3	1	+	+	+	+			
CALM	10										8.8 3291
TOTAL	16	25	31	17	7	3	1	+			

WIND SPEED (KNOTS)

Barrow

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	5	2	+	+					
NE	+	2	3	3	1	+	+				
E	+	3	7	9	4	1	+	+			
SE	+	2	5	5	2	1	+				
S	+	1	3	2	+	+	+				
SW	+	1	4	4	1	+	+	+			
W	+	2	4	4	1	+	+	+			
NW	1	2	4	2	+	+	+				
CALM	1										10.7 19325
TOTAL	4	17	36	31	10	3	1	+			

WIND SPEED (KNOTS)

Lonely

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	3	1	+	+	+				
NE	2	5	6	4	1	+	+	+			
E	1	6	10	7	2	+	+	+			
SE	1	3	4	2	1	+	+				
S	+	2	2	+	+	+	+				
SW	+	2	3	2	1	+	+				
W	+	2	3	2	1	+	+	+	+		
NW	1	3	3	1	+	+	+				
CALM	8										8.5 3429
TOTAL	14	26	33	18	6	2	+	+	+		

WIND SPEED (KNOTS)

Oliktok

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	2	+	+	+					
NE	1	4	6	4	2	1	+				
E	1	4	10	8	3	1	+	+			
SE	1	3	3	2	1	+	+	+			
S	+	1	1	+	+	+					
SW	+	2	3	2	1	+	+				
W	+	2	3	2	1	+	+				
NW	1	3	4	2	1	+	+				
CALM	8										9.3 3316
TOTAL	14	22	32	20	8	3	1	+			

WIND SPEED (KNOTS)

Barter

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	2	+	+						
NE	1	3	3	1	+	+					
E	1	5	10	13	4	2	+	+	+		
SE	+	2	4	4	1	1	+	+	+		
S	+	1	1	+	+						
SW	+	1	1	+	+	+	+	+			
W	+	2	5	4	2	1	+	+	+		
NW	1	4	6	3	1	+	+		+		
CALM	3										10.1 18470
TOTAL	7	22	32	26	8	3	1	+	+		

WIND SPEED (KNOTS)

Tuktoyaktuk

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	9	5	2	1	+				
NE	+	1	2	1	+	+	+				
E	1	3	7	5	1	+	+				
SE	+	3	9	5	1	+					
S	+	2	6	2	+	+					
SW	+	1	3	1	+	+					
W	+	1	2	1	1	+	+				
NW	+	2	4	5	3	1	+				
CALM	3										9.9 3201
TOTAL	7	16	41	25	8	2	+				

WIND SPEED (KNOTS)

Cape Parry

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	2	4	6	5	1	+	+				
NE	1	1	1	1	+	+	+	+			
E	1	2	4	6	4	1	+	+			
SE	1	2	4	5	3	1	+	+			
S	1	1	2	2	+	+	+				
SW	1	1	1	1	1	+	+				
W	1	2	3	2	1	+	+	+			
NW	1	2	4	6	3	1	+	+			
CALM	5										10.5 19339
TOTAL	13	15	26	28	13	4	1	+			

WIND SPEED (KNOTS)

Clinton Point

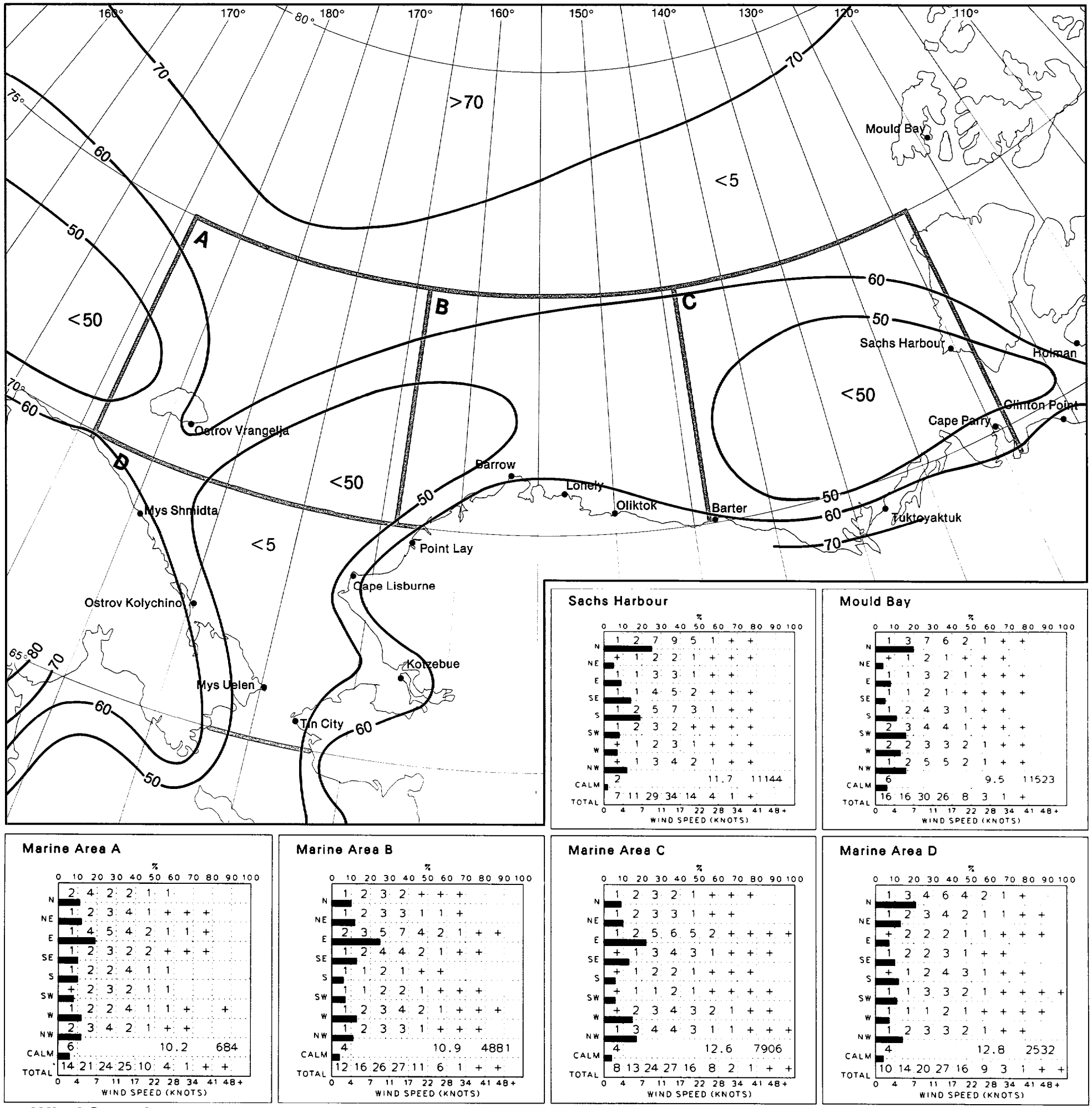
	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	4	6	8	4	2	+	+			
NE	+	1	1	+	+						
E	1	3	4	2	+	+	+				
SE	1	4	6	3	1	+	+				
S	1	2	4	1	1	+					
SW	1	2	3	1	+	+					
W	1	2	2	1	+	+	+	+			
NW	1	3	7	7	3	1	+	+			
CALM	2										10.2 4483
TOTAL	8	22	33	24	9	4	1	+			

WIND SPEED (KNOTS)

Holman

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	2	3	5	5	2	1	+	+			
NE	1	+	+	+	+	+	+				
E	2	2	1	+	+	+					
SE	3	5	7	2	+	+					
S	3	3	4	1	+	+					
SW	1	1	1	1	+	+	+				
W	1	1	2	3	2	1	+	+	+		
NW	1	2	5	6	4	3	1	+	+		
CALM	8										9.7 4440
TOTAL	21	18	26	19	10	6	1	+	+		

WIND SPEED (KNOTS)



11 Wind Speed ≦10 and ≧34 Knots

August

Ostrov Vrangelja

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	4	7	5	3	2	1	+	
NE	1	3	3	5	2	1	+	+		
E	2	5	4	4	1	+				
SE	+	1	1	+	+					+
S	1	2	1	+	+		+		+	
SW	1	2	1	1	+	+	+		+	
W	3	5	3	2	+	+	+	+		
NW	1	1	1	2	1	1	+	+	+	+
CALM	9									
TOTAL	19	22	17	22	11	4	3	1	1	+

10.4 4090

Mys Shmidta

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	4	3	1	+			+	
NE	+	1	1	1	+	+				
E	1	4	3	2	+	+				
SE	1	3	4	3	1	+	+			
S	2	4	2	1	+	+	+			
SW	1	2	+	+	+			+		
W	1	2	2	4	2	1	+	+	+	
NW	1	4	6	8	5	3	1	1	+	
CALM	9									
TOTAL	15	23	22	22	11	5	1	1	+	

10.2 4341

Ostrov Kolychino

	0-4	7	11	17	22	28	34	41	48+	%
N	+	3	6	9	5	3	1	+	+	
NE	+	2	4	5	4	2	1	+	+	
E	1	3	4	2	+	+				
SE	+	1	1	1	1	+	+			
S	1	2	3	6	3	1	+	+		
SW	+	1	1	1	+	+				
W	+	1	1	1	+	+	+	+		
NW	+	2	2	4	1	+	+	+		
CALM	4									
TOTAL	8	16	22	29	14	7	2	1	+	

12.3 2462

Mys Uelen

	0-4	7	11	17	22	28	34	41	48+	%
N	2	4	5	11	9	6	3	1	+	+
NE	+	2	2	2	1	+	+	+	+	+
E	+	1	2	2	+	+	+	+		
SE	+	+	+	+	+	+	+	+		
S	1	3	3	5	3	2	1	1	+	
SW	+	1	1	1	+	+	+	+		
W	+	1	1	1	+	+	+	+		
NW	1	2	2	4	3	1	+	+		
CALM	6									
TOTAL	10	14	16	25	17	10	5	2	+	+

13.8 4368

Tin City

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	8	13	8	4	1	+	+	
NE	1	2	4	6	3	1	+	+	+	
E	+	1	1	1	+	+	+	+		+
SE	+	1	1	1	1	+	+	+	+	+
S	+	2	2	3	2	1	1	+	+	
SW	+	1	2	2	1	1	+			
W	+	1	1	1	+	+	+	+		
NW	+	1	1	2	1	1	+	+		
CALM	5									
TOTAL	9	11	21	30	17	9	2	1	+	+

12.8 19465

Kotzebue

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	6	5	2	1	+	+	+	
NE	+	3	4	1	+	+				
E	1	3	6	6	2	1	+	+		
SE	1	2	5	8	3	1	+	+	+	
S	+	1	2	2	1	+	+	+		
SW	+	1	1	1	1	+	+			
W	+	1	2	2	1	+	+			
NW	+	2	4	5	2	1	+	+	+	
CALM	2									
TOTAL	5	16	30	31	12	5	1	+	+	

11.3 21064

Cape Lisburne

	0-4	7	11	17	22	28	34	41	48+	%
N	+	1	3	3	1	+	+			
NE	+	1	2	5	3	1	+	+		
E	1	4	5	7	5	2	+	+		
SE	2	5	3	1	+	+	+	+		
S	1	2	2	2	1	1	+	+		
SW	1	1	2	3	2	1	+	+		
W	+	1	2	2	1	+	+			
NW	+	1	2	3	1	+	+			
CALM	9									
TOTAL	15	17	22	25	13	6	1	+		

10.7 19526

Point Lay

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	3	1	1	+				
NE	1	6	9	6	3	1	+			
E	1	4	6	5	3	1	+	+		
SE	1	3	3	1	1	+	+			
S	+	2	2	1	1	+	+			
SW	+	2	2	1	1	+	+			
W	+	1	2	1	+	+	+			
NW	+	1	2	1	1	+	+			
CALM	8									
TOTAL	14	22	30	19	11	4	1	+		

9.7 3230

Barrow

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	4	3	1	+	+			
NE	+	1	4	5	1	+	+			
E	+	3	8	11	5	1	+	+	+	
SE	1	2	6	6	2	1	+	+	+	
S	+	2	4	2	+	+				
SW	+	1	3	3	1	+	+			
W	+	1	2	2	1	+	+	+		
NW	+	1	3	3	1	+	+	+		
CALM	1									
TOTAL	4	15	32	35	11	3	+	+	+	

11.0 18708

Lonely

	0-4	7	11	17	22	28	34	41	48+	%
N	1	2	2	2	+	+	+	+		
NE	1	3	6	6	3	1	+	+		
E	1	4	8	7	3	1	+	+		
SE	1	4	4	2	1	+	+	+		
S	1	2	2	1	+	+				
SW	1	3	3	2	1	+				
W	1	2	3	2	1	+	+			
NW	+	2	2	1	+	+	+			
CALM	7									
TOTAL	13	22	30	22	8	3	1	+		

9.7 3333

Oliktok

	0-4	7	11	17	22	28	34	41	48+	%
N	1	1	2	1	+	+	+			
NE	1	3	5	5	3	1	+	+	+	
E	1	3	7	7	5	2	1	+	+	
SE	1	2	3	2	1	+	+	+		
S	1	2	1	+	+					
SW	1	3	4	2	1	+	+	+		
W	+	2	3	3	1	+	+		+	
NW	1	2	3	2	+	+	+	+	+	
CALM	8									
TOTAL	13	18	28	22	11	4	2	+	+	

10.6 3250

Barter

	0-4	7	11	17	22	28	34	41	48+	%
N	1	2	2	+	+	+				
NE	1	2	2	1	1	+	+	+	+	
E	1	4	8	11	6	2	1	+	+	+
SE	1	3	4	4	2	1	+	+	+	+
S	+	1	1	+	+	+				
SW	+	2	2	1	+	+	+	+		+
W	1	2	5	4	2	1	1	+	+	+
NW	1	3	4	3	1	1	+	+	+	+
CALM	4									
TOTAL	9	18	29	24	12	5	2	1	+	+

11.1 17740

Tuktoyaktuk

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	6	5	2	+	+			
NE	+	1	1	1	1	+				
E	1	3	7	5	2	+	+			
SE	1	3	8	6	2	+	+			
S	1	2	5	3	+	+				
SW	+	2	3	1	+	+				
W	+	1	2	2	1	+	+	+		
NW	+	2	4	4	2	1	+	+		
CALM	2									
TOTAL	7	17	37	27	10	2	+	+		

10.3 3105

Cape Parry

	0-4	7	11	17	22	28	34	41	48+	%
N	1	3	5	5	3	1	+	+		
NE	+	1	1	1	+	+	+			
E	1	2	3	5	3	1	+	+		
SE	1	2	5	7	4	2	+	+		
S	1	2	3	3	1	+	+			
SW	1	1	2	2	+	+	+			
W	1	2	2	2	1	+	+	+		
NW	1	2	4	5	3	1	+	+		
CALM	5									
TOTAL	11	13	25	30	14	5	1	+		

11.2 18975

Clinton Point

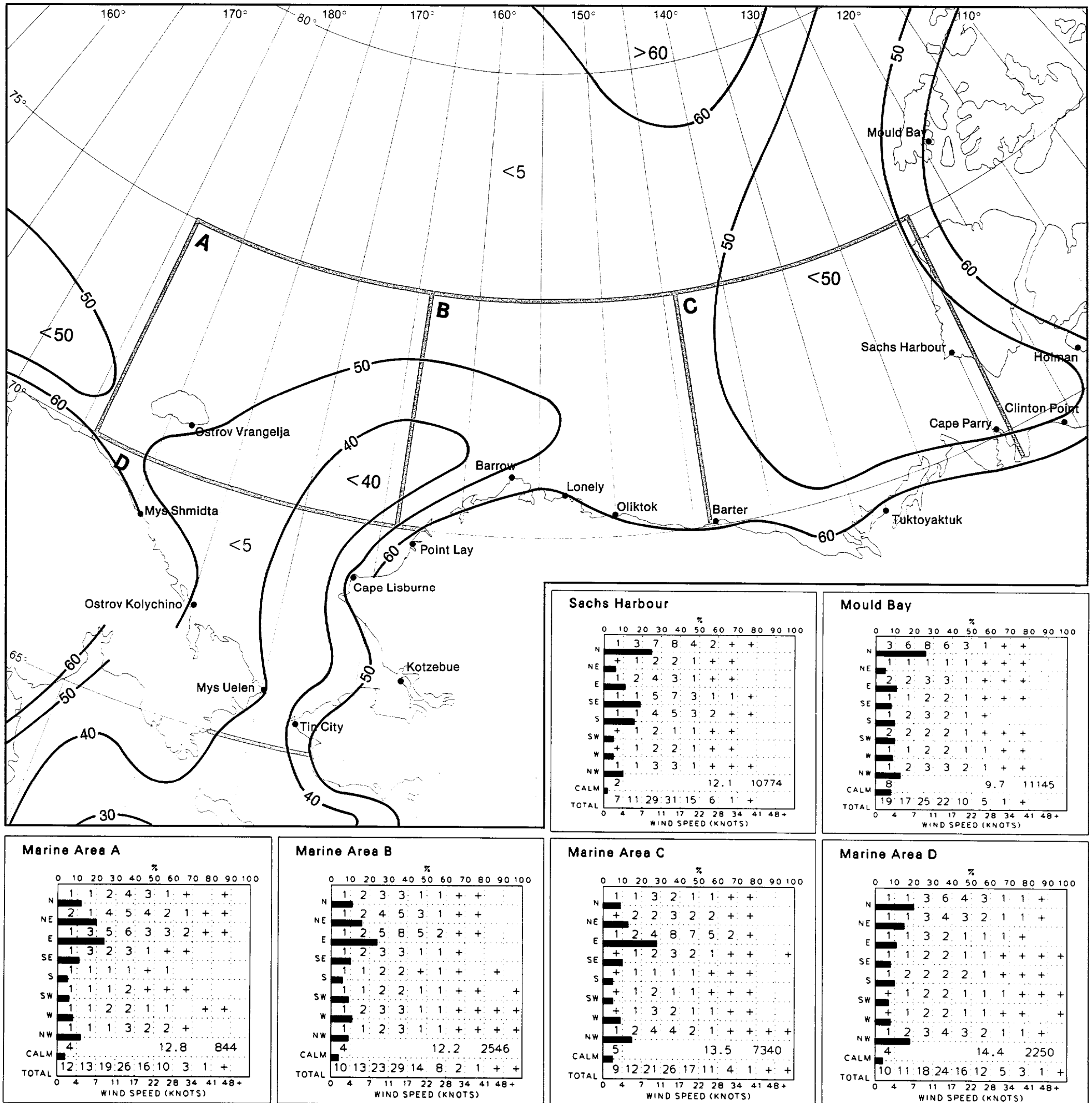
	0-4	7	11	17	22	28	34	41	48+	%
N	1	2	4	6	3	2	1	+		
NE	+	+	1	+	+	+	+	+		
E	1	2	4	2	1	+	+	+		
SE	1	4	9	8	3	1				
S	1	3	6	3	1	+	+			
SW	1	2	3	1	+	+				
W	1	2	2	1	+	+	+			
NW	+	2	4	4	2	1	1	+		
CALM	2									
TOTAL	8	18	33	26	10	4	2	+		

10.8 4356

Holman

	0-4	7	11	17	22	28	34	41	48+	%
N	2	2	4	4	2	1	+	+		
NE	+	+	+	+	+	+				
E	1	1	2	1	+	+				
SE	2	3	6	4	1	+	+			
S	2	3	3	2	1	+	+			
SW	1	1	1	1	+	+	+		+	
W	1	1	3	3	2	1	+	+	+	
NW	1	3	6	7	6	4	1	+		
CALM	7									
TOTAL	18	15	24	21	12	7	2	+	+	

10.7 4300



11 Wind Speed ≦10 and ≧34 Knots

Ostrov Vrangelja

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	6	11	8	4	2	1	1	+	
NE	+	2	3	4	2	1	+	+	+		
E	1	2	3	4	1	1	+				
SE	+	1	1	1	+	+	+				
S	+	1	1	+	+	+	+	+			
SW	+	1	1	+	+	+	+	+			
W	2	3	3	2	1	+	+	+			
NW	1	2	2	3	2	1	1	+	+	+	
CALM	9										
TOTAL	15	15	18	25	14	7	3	2	1	+	

12.5 4276

WIND SPEED (KNOTS)

Mys Shmidta

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	1	2	2	1	+	+			
NE	+	1	1	1	1	1	+				
E	+	1	1	1	+	+	+				
SE	1	2	2	2	1	+	+	+			
S	2	4	1	1	+	+		+			
SW	1	2	+	+	+	+					
W	1	4	5	7	4	3	1	1	+	+	
NW	1	3	4	8	6	4	2	1	+	+	
CALM	10										
TOTAL	16	17	16	21	14	9	3	3	1	+	

12.5 4589

WIND SPEED (KNOTS)

Ostrov Kolychino

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	2	4	7	5	4	4	1	+	+	
NE	+	1	2	4	4	3	3	2	1	+	
E	+	1	2	1	+	+	+	+			
SE	+	1	1	1	+	+	+				
S	1	2	4	5	2	1	+	+			
SW	+	1	2	1	+	+	+	+			
W	+	2	2	3	1	1	+	+			
NW	+	1	2	4	2	2	1	+	+	+	
CALM	3										
TOTAL	6	11	18	25	15	12	8	4	1	1	

16.0 2747

WIND SPEED (KNOTS)

Mys Uelen

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	4	8	10	9	7	3	+	+	
NE	+	1	1	3	2	2	1	+	+	+	
E	+	1	1	1	1	1	+	+	+		
SE	+	1	+	+	+	+	+	+	+	+	
S	1	3	3	2	2	1	1	+	+	+	
SW	1	2	2	1	+	+	+	+	+		
W	+	1	1	2	1	+	+				
NW	+	1	1	2	2	2	+	+	+	+	
CALM	4										
TOTAL	7	11	13	19	19	15	10	4	1	+	

16.9 4556

WIND SPEED (KNOTS)

Tin City

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	7	11	8	5	2	1	+	+	
NE	1	3	5	7	5	3	1	+	+	+	
E	+	1	1	1	1	+	+	+			
SE	+	1	1	1	1	1	+	+	+		
S	+	1	1	2	2	1	1	+	+		
SW	+	1	1	1	1	+	+	+			
W	+	+	1	1	+	+	+	+			
NW	+	1	1	1	1	1	+	+	+		
CALM	6										
TOTAL	9	10	19	26	18	12	4	2	+	+	

14.0 19664

WIND SPEED (KNOTS)

Kotzebue

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	3	8	7	2	1	+				
NE	1	5	6	2	+	+	+				
E	1	6	8	6	3	2	1	+	+		
SE	1	2	4	6	4	3	1	+	+		
S	+	+	1	1	1	+	+	+			
SW	+	+	1	1	+	+	+				
W	+	+	1	1	1	+	+	+			
NW	+	1	1	2	1	+	+	+			
CALM	1										
TOTAL	5	18	29	26	13	6	2	+	+		

11.6 21788

WIND SPEED (KNOTS)

Cape Lisburne

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	2	2	1	+	+	+			
NE	+	1	2	4	3	1	+	+			
E	1	2	5	9	7	5	1	+	+		
SE	2	6	6	3	1	+	+	+	+	+	
S	1	2	2	3	2	2	1	+	+	+	
SW	+	1	1	2	1	1	+	+	+	+	
W	+	1	1	1	+	+	+	+	+	+	
NW	+	+	1	2	1	+	+	+	+		
CALM	7										
TOTAL	12	14	20	25	15	10	3	1	+	+	

12.5 20313

WIND SPEED (KNOTS)

Point Lay

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	2	2	1	+	+	+				
NE	1	6	7	7	5	3	1	+			
E	1	5	6	5	3	2	+	+			
SE	2	4	4	1	1	+	+				
S	1	3	3	1	1	+	+				
SW	+	1	2	1	1	+	+	+			
W	+	1	2	1	1	+					
NW	+	1	1	1	+	+					
CALM	9										
TOTAL	14	22	26	18	12	6	2	+			

10.3 2974

WIND SPEED (KNOTS)

Barrow

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	3	3	1	+	+	+			
NE	+	2	4	6	3	1	+	+			
E	1	4	7	8	5	3	+	+			
SE	1	3	5	4	2	1	+	+			
S	+	2	5	3	1	+	+				
SW	+	1	3	3	1	+	+				
W	+	1	1	2	1	+	+	+	+	+	
NW	+	1	2	3	1	+	+	+	+	+	
CALM	1										
TOTAL	4	14	31	31	13	5	1	+	+	+	

11.6 19089

WIND SPEED (KNOTS)

Lonely

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	3	2	1	+	+				
NE	1	3	6	7	4	2	1	1	+	+	
E	1	2	5	5	3	1	1	+			
SE	1	3	3	1	1	+	+	+			
S	1	3	2	1	+						
SW	1	3	3	2	+	+	+				
W	+	2	3	2	1	+	+				
NW	1	2	2	1	+	+	+				
CALM	9										
TOTAL	15	20	27	20	10	5	2	1	+	+	

10.3 3428

WIND SPEED (KNOTS)

Oliktok

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	2	1	+	+				+	
NE	1	2	6	5	3	2	+	+			
E	+	3	5	5	3	2	2	1	+		
SE	1	2	2	2	1	+	+	+	+		
S	1	2	2	1	+	+					
SW	1	4	5	3	1	+	+	+			
W	1	2	3	3	1	1	+	+		+	
NW	+	2	2	1	+	+	+	+		+	
CALM	10										
TOTAL	15	19	26	20	11	6	3	1	+	+	

10.7 3334

WIND SPEED (KNOTS)

Barter

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	1	1	1	+	+	+				
NE	+	1	1	1	+	+	+	+			
E	1	3	5	7	6	4	2	1	+		
SE	1	2	4	3	2	1	1	1	+		
S	1	2	2	+	+	+					
SW	1	3	6	2	+	+	+	+	+		
W	+	2	5	5	4	3	1	+	+	+	
NW	+	1	2	2	2	1	+	+	+	+	
CALM	3										
TOTAL	7	15	28	21	13	9	5	2	+	+	

13.1 18076

WIND SPEED (KNOTS)

Tuktoyaktuk

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	4	4	2	+	+				
NE	+	1	2	1	+	+	+				
E	1	3	5	4	2	+	+				
SE	1	3	7	6	2	+	+				
S	1	3	6	3	1	+					
SW	1	3	4	1	+	+					
W	+	2	3	2	1	+		+			
NW	+	1	3	5	3	1	+	+			
CALM	4										
TOTAL	10	17	34	26	10	3	+	+			

10.1 3217

WIND SPEED (KNOTS)

Cape Parry

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	3	3	2	1	+	+			
NE	+	1	1	1	+	+	+				
E	1	2	3	4	3	2	+	+			
SE	1	1	4	6	4	2	1	+			
S	1	2	3	3	1	+	+	+			
SW	1	1	2	2	1	+	+				
W	1	2	3	3	2	1	+	+			
NW	1	2	3	5	4	1	+	+			
CALM	5										
TOTAL	11	11	23	28	17	7	2	+			

12.0 19839

WIND SPEED (KNOTS)

Clinton Point

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	+	2	4	5	2	2	1	+	+		
NE	+	1	1	+	+	+					
E	1	1	2	1	1	1	+				
SE	+	2	4	5	3	2	1	+			
S	1	4	7	5	1	+	+	+			
SW	2	3	4	2	+	+	+				
W	1	3	4	3	1	+	+	+			
NW	+	1	3	3	3	2	1	+	+		
CALM	3										
TOTAL	8	17	29	24	12	7	3	1	+		

11.8 4475

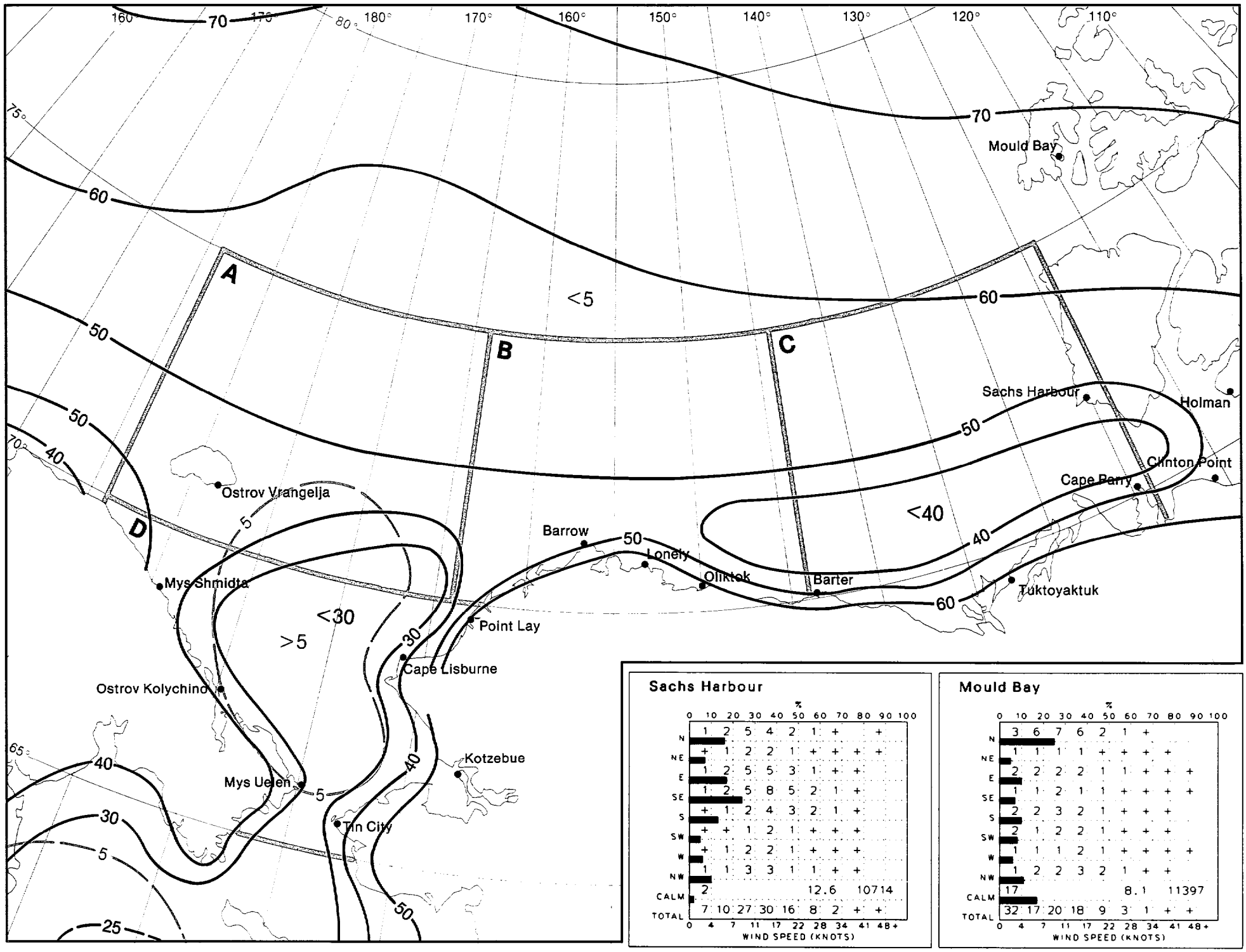
WIND SPEED (KNOTS)

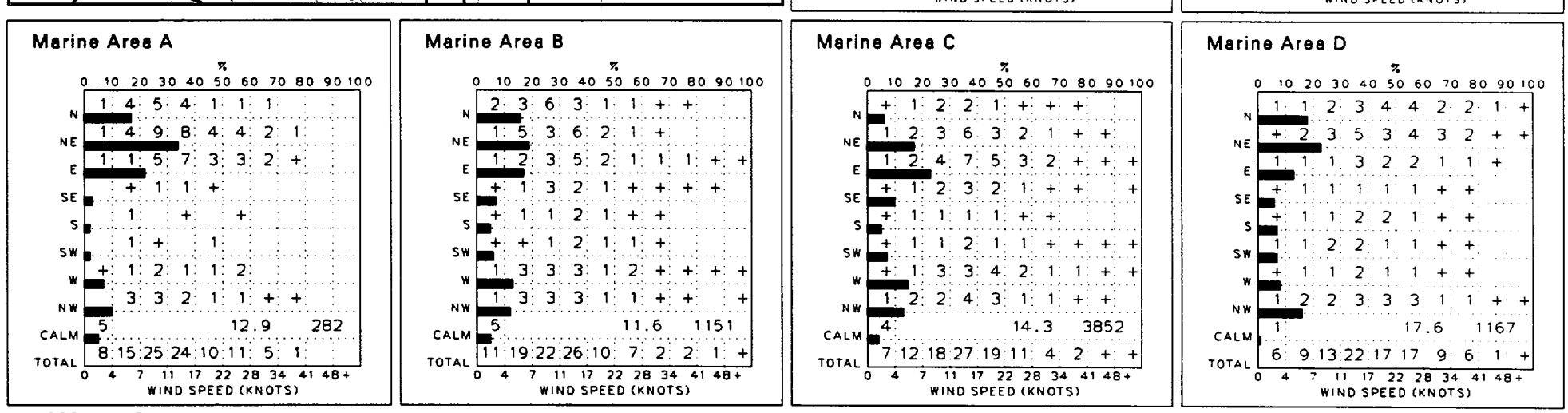
Holman

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+	%
N	1	2	3	2	1	1	+	+			
NE	+	+	1	+	+		+				
E	1	1	1	1	1	+	+	+			
SE	1	1	3	3	3	1	+				
S	2	3	4	3	2	1	+	+			
SW	2	3	2	1	1	+	+	+			
W	1	2	4	3	3	2	1	+	+		
NW	1	3	6	5	5	4	1	+	+		
CALM	7										
TOTAL	15	15	24	19	14	9	3	1	+		

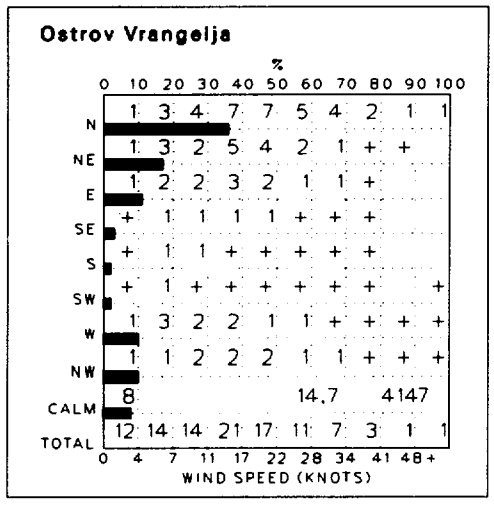
11.6 3841

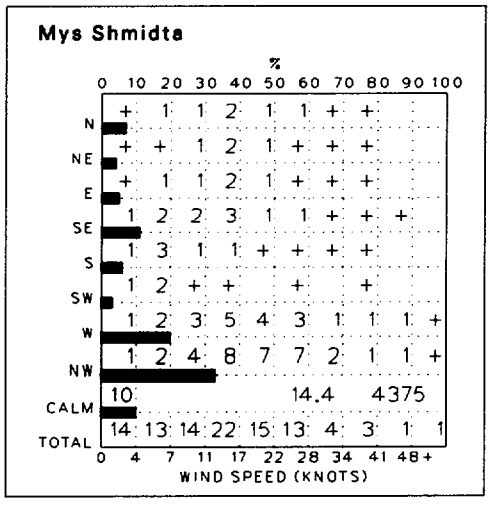
WIND SPEED (KNOTS)

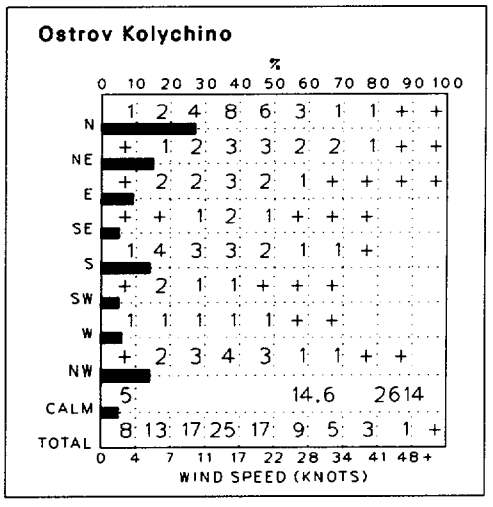


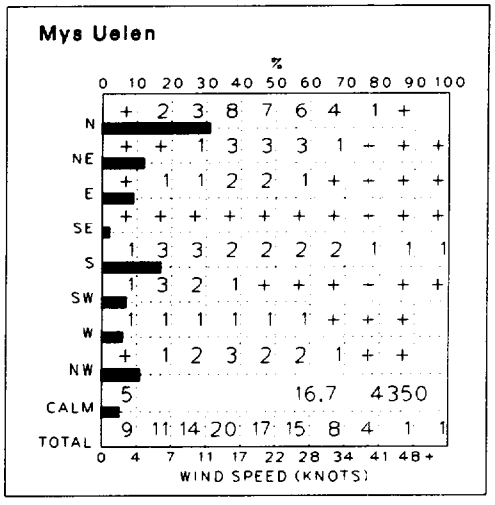


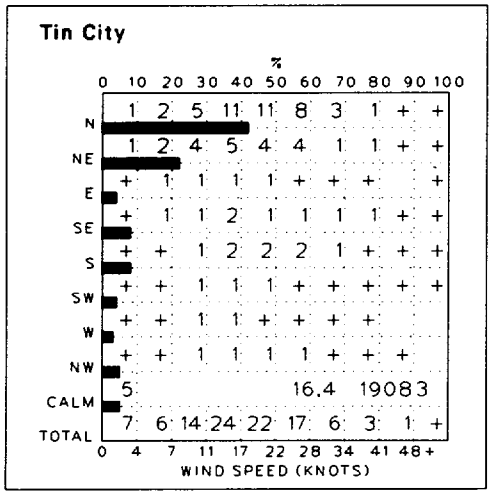
11 Wind Speed ≦10 and ≧34 Knots **October**

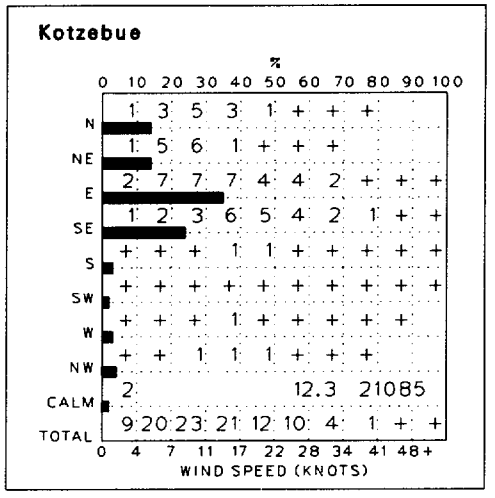

Ostrov Vrangelja
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 4 7 7 5 4 2 1 1
NE 1 3 2 5 4 2 1 + +
E 1 2 2 3 2 1 1 +
SE + 1 1 1 1 + + +
S + 1 1 + + + + +
SW + 1 + + + + + + +
W 1 3 2 2 1 1 + + + +
NW 1 1 2 2 2 1 1 + + +
CALM 8 14.7 4147
TOTAL 12 14 14 21 17 11 7 3 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

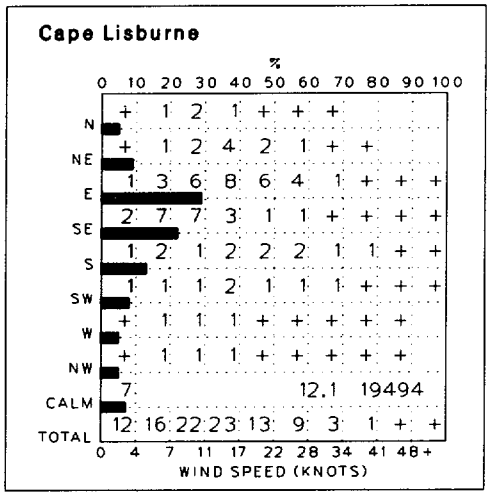

Mys Shmidta
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 1 2 1 1 + +
NE + + 1 2 1 + + +
E + 1 1 2 1 + + +
SE 1 2 2 3 1 1 + + +
S 1 3 1 1 + + + +
SW 1 2 + + + +
W 1 2 3 5 4 3 1 1 1 +
NW 1 2 4 8 7 7 2 1 1 +
CALM 10 14.4 4375
TOTAL 14 13 14 22 15 13 4 3 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

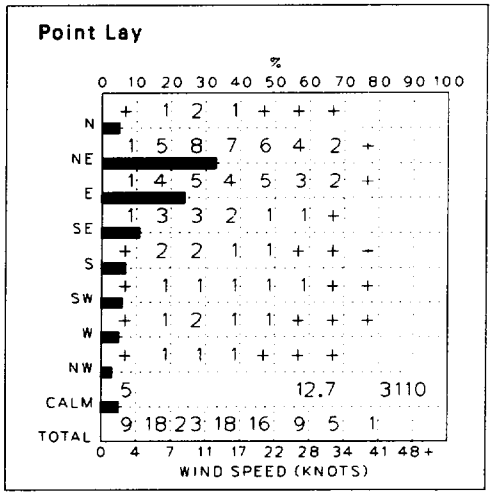

Ostrov Kolychino
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 8 6 3 1 1 + +
NE + 1 2 3 3 2 2 1 + +
E + 2 2 3 2 1 + + + +
SE + + 1 2 1 + + +
S 1 4 3 3 2 1 1 +
SW + 2 1 1 + + +
W 1 1 1 1 1 + +
NW + 2 3 4 3 1 1 + +
CALM 5 14.6 2614
TOTAL 8 13 17 25 17 9 5 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

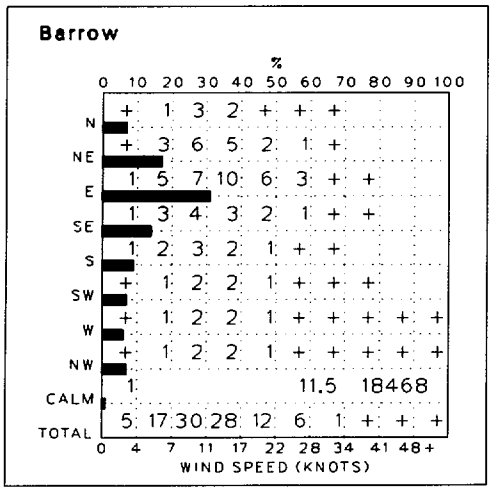

Mys Uelen
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 3 8 7 6 4 1 +
NE + + 1 3 3 3 1 - + +
E + 1 1 2 2 1 + - + +
SE + + + + + + + - + +
S 1 3 3 2 2 2 2 1 1 1
SW 1 3 2 1 + + + - + +
W 1 1 1 1 1 1 + + +
NW + 1 2 3 2 2 1 + +
CALM 5 16.7 4350
TOTAL 9 11 14 20 17 15 8 4 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

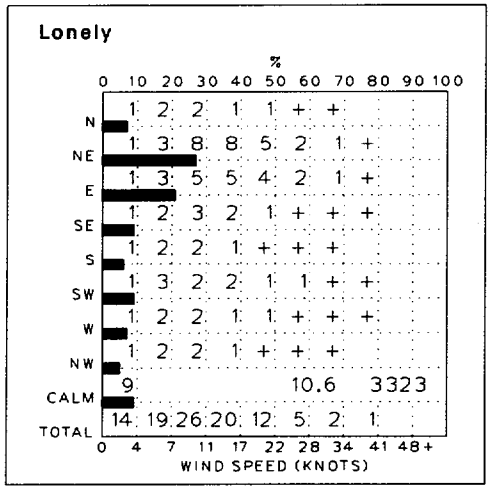

Tin City
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 5 11 11 8 3 1 + +
NE 1 2 4 5 4 4 1 1 + +
E + 1 1 1 1 + + + +
SE + 1 1 2 1 1 1 1 + +
S + + 1 2 2 2 1 + + +
SW + + 1 1 1 + + + + +
W + + 1 1 + + + +
NW + + 1 1 1 1 + + +
CALM 5 16.4 19083
TOTAL 7 6 14 24 22 17 6 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

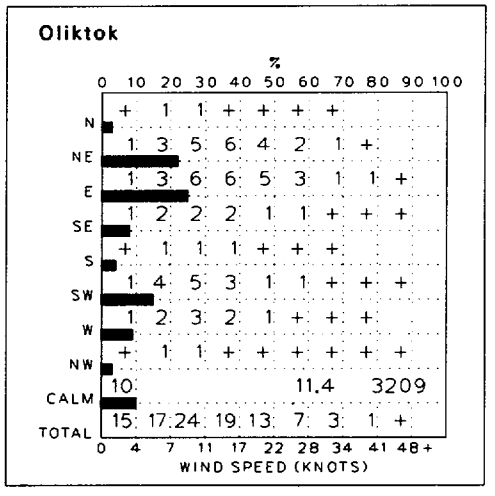

Kotzebue
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 5 3 1 + + +
NE 1 5 6 1 + + +
E 2 7 7 7 4 4 2 + + +
SE 1 2 3 6 5 4 2 1 + +
S + + + 1 1 + + + + +
SW + + + + + + + + + +
W + + + 1 + + + + +
NW + + 1 1 1 + + +
CALM 2 12.3 21085
TOTAL 9 20 23 21 12 10 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

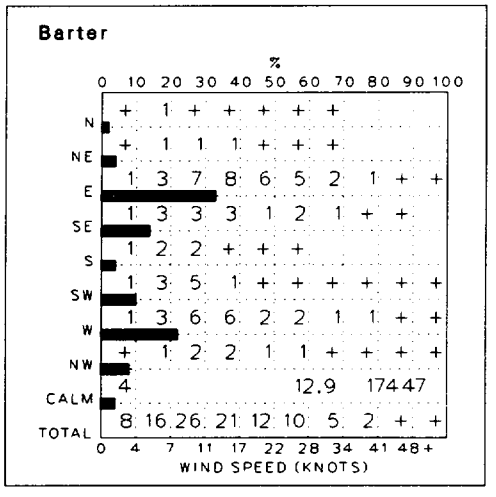

Cape Lisburne
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 1 + + +
NE + 1 2 4 2 1 + +
E 1 3 6 8 6 4 1 + + +
SE 2 7 7 3 1 1 + + + +
S 1 2 1 2 2 2 1 1 + +
SW 1 1 1 2 1 1 1 + + +
W + 1 1 1 + + + + +
NW + 1 1 1 + + + + +
CALM 7 12.1 19494
TOTAL 12 16 22 23 13 9 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

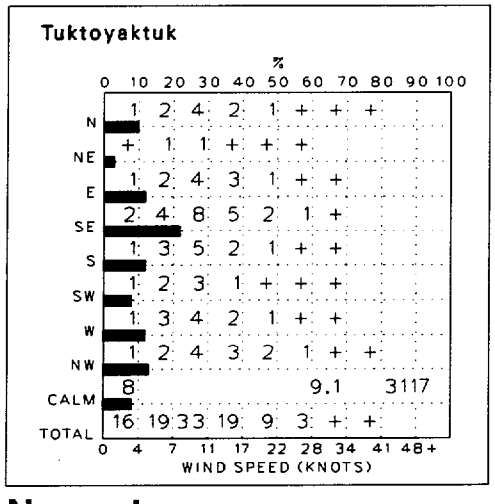

Point Lay
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 1 + + +
NE 1 5 8 7 6 4 2 +
E 1 4 5 4 5 3 2 +
SE 1 3 3 2 1 1 +
S + 2 2 1 1 + + -
SW + 1 1 1 1 1 + +
W + 1 2 1 1 + + +
NW + 1 1 1 + + +
CALM 5 12.7 3110
TOTAL 9 18 23 18 16 9 5 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

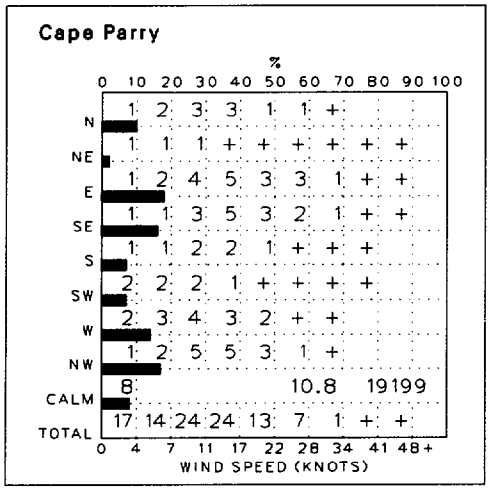

Barrow
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 3 2 + + +
NE + 3 6 5 2 1 +
E 1 5 7 10 6 3 + +
SE 1 3 4 3 2 1 + +
S 1 2 3 2 1 + +
SW + 1 2 2 1 + + +
W + 1 2 2 1 + + + + +
NW + 1 2 2 1 + + + + +
CALM 1 11.5 18468
TOTAL 5 17 30 28 12 6 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

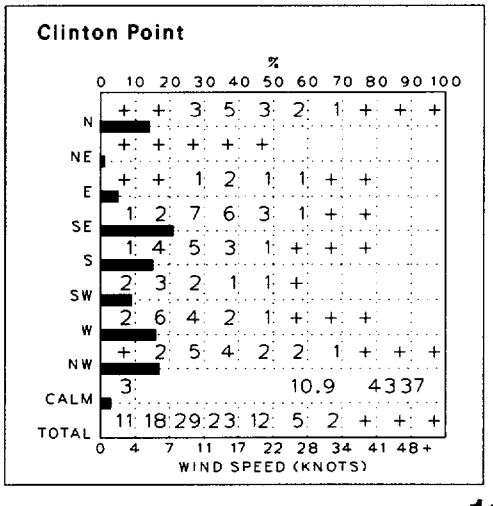

Lonely
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 1 1 + +
NE 1 3 8 8 5 2 1 +
E 1 3 5 5 4 2 1 +
SE 1 2 3 2 1 + + +
S 1 2 2 1 + + +
SW 1 3 2 2 1 1 + +
W 1 2 2 1 1 + + +
NW 1 2 2 1 + + +
CALM 9 10.6 3323
TOTAL 14 19 26 20 12 5 2 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

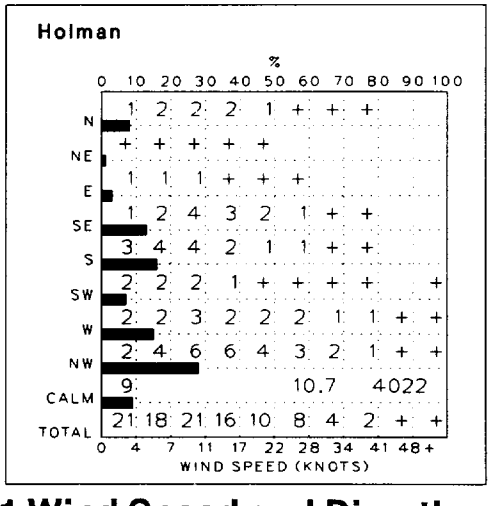

Oliktok
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 1 + + + +
NE 1 3 5 6 4 2 1 +
E 1 3 6 6 5 3 1 1 +
SE 1 2 2 2 1 1 + + +
S + 1 1 1 + + +
SW 1 4 5 3 1 1 + + +
W 1 2 3 2 1 + + +
NW + 1 1 + + + + + +
CALM 10 11.4 3209
TOTAL 15 17 24 19 13 7 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

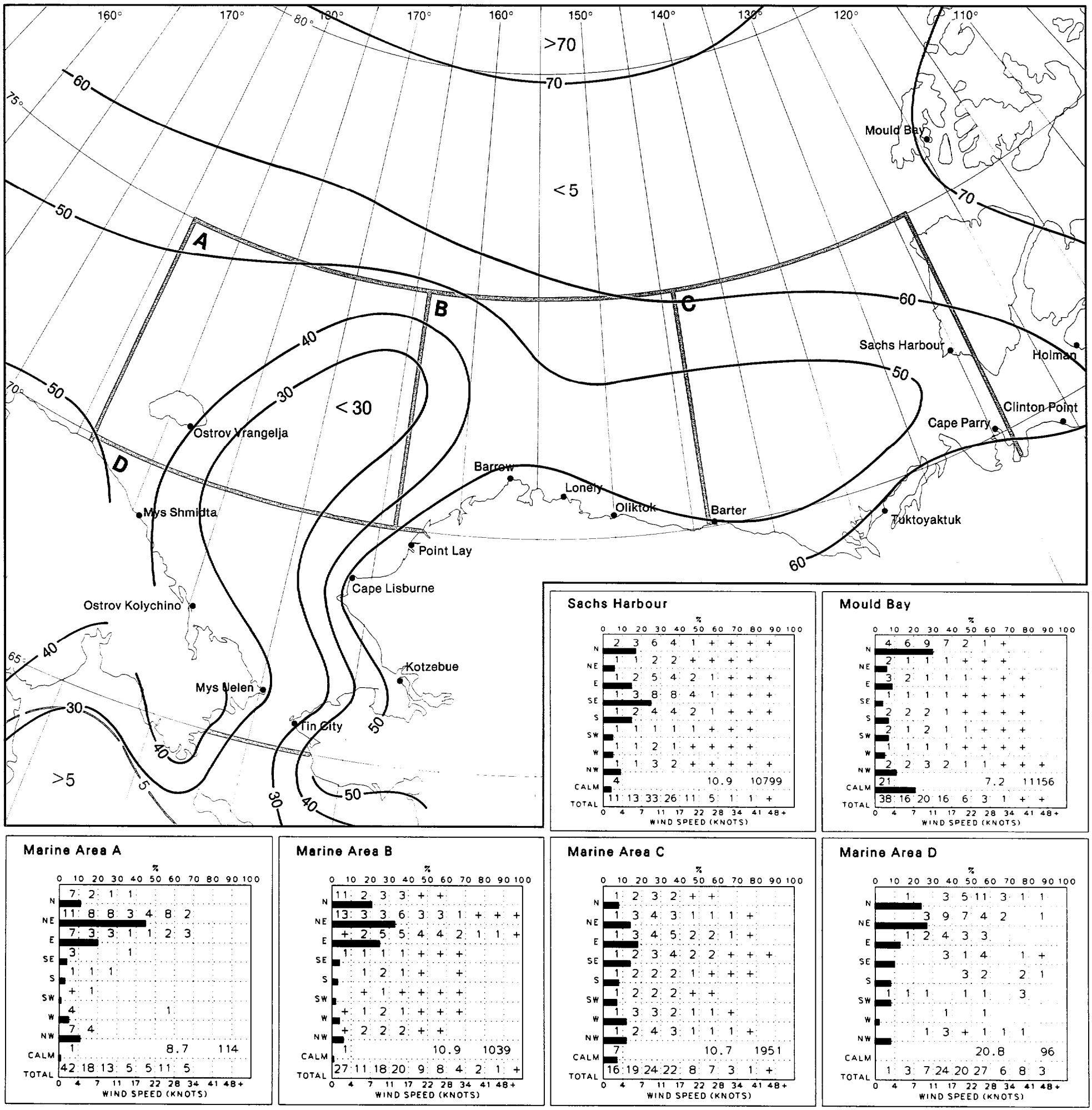

Barter
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 + + + + +
NE + 1 1 1 + + +
E 1 3 7 8 6 5 2 1 + +
SE 1 3 3 3 1 2 1 + +
S 1 2 2 + + +
SW 1 3 5 1 + + + + + +
W 1 3 6 6 2 2 1 1 + +
NW + 1 2 2 1 1 + + + +
CALM 4 12.9 17447
TOTAL 8 16 26 21 12 10 5 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Tuktoyaktuk
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 2 1 + + +
NE + 1 1 + + +
E 1 2 4 3 1 + +
SE 2 4 8 5 2 1 +
S 1 3 5 2 1 + +
SW 1 2 3 1 + + +
W 1 3 4 2 1 + +
NW 1 2 4 3 2 1 + +
CALM 8 9.1 3117
TOTAL 16 19 33 19 9 3 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Cape Parry
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 3 1 1 +
NE 1 1 1 + + + + + +
E 1 2 4 5 3 3 1 + +
SE 1 1 3 5 3 2 1 + +
S 1 1 2 2 1 + + +
SW 2 2 2 1 + + + +
W 2 3 4 3 2 + +
NW 1 2 5 5 3 1 +
CALM 8 10.8 19199
TOTAL 17 14 24 24 13 7 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Clinton Point
%
0 10 20 30 40 50 60 70 80 90 100
N + + 3 5 3 2 1 + + +
NE + + + + +
E + + 1 2 1 1 + +
SE 1 2 7 6 3 1 + +
S 1 4 5 3 1 + + +
SW 2 3 2 1 1 +
W 2 6 4 2 1 + + +
NW + 2 5 4 2 2 1 + + +
CALM 3 10.9 4337
TOTAL 11 18 29 23 12 5 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Holman
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 2 1 + + +
NE + + + + +
E 1 1 1 + + +
SE 1 2 4 3 2 1 + +
S 3 4 4 2 1 1 + +
SW 2 2 2 1 + + + + +
W 2 2 3 2 2 2 1 1 + +
NW 2 4 6 6 4 3 2 1 + +
CALM 9 10.7 4022
TOTAL 21 18 21 16 10 8 4 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)



11 Wind Speed ≦10 and ≧34 Knots

November

Ostrov Vrangelja

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	2	4	3	5	4	4	2	2	+	+
NE	1	4	5	5	3	1	+	+	+	
E	1	2	2	1	1	+				
SE	+	+	+	+	+	+				
S	+	+	+	+	+	+				
SW	+	1	+	+	+	+	+	+		
W	1	4	2	2	1	1	+	+		
NW	1	3	2	2	1	1	1	+	+	+
CALM	21					10.5		4198		
TOTAL	28	18	14	16	11	7	3	2	1	+

Mys Shmidta

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	1	2	1	+	+	+	+		
NE	+	+	+	+	+	+				
E	+	1	1	+	+	+				
SE	1	3	2	2	1	1	+	+		
S	2	4	1	1	+	+	+	+		
SW	1	1	+	+	+	+		+		
W	1	3	4	4	2	1	1	1	+	+
NW	1	3	6	10	8	7	2	1	+	+
CALM	16					11.5		4446		
TOTAL	22	17	16	18	12	10	2	2	+	+

Ostrov Kolychino

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	4	8	12	6	3	+	+		
NE	+	2	2	3	2	1	+	+	+	
E	+	1	1	2	1	+				
SE	+	+	+	1	1	+	+			+
S	1	4	3	3	2	1	+	+	+	+
SW	+	2	1	1	+	+	+	+		
W	+	2	1	1	+	+				
NW	1	2	4	2	1	1	+			
CALM	8					11.1		2584		
TOTAL	12	19	22	25	13	6	1	1	+	+

Mys Uelen

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	2	5	8	12	8	4	1	+	+	
NE	+	1	1	2	1	+	+	+	+	
E	+	1	1	1	1	+	+	+	+	+
SE	+	+	+	+	+	+	+	+	+	+
S	1	3	2	1	2	1	1	1	+	+
SW	1	3	1	1	+	+	+	+	+	+
W	1	2	1	1	+	+	+	+		
NW	+	2	2	3	2	1	+	+		
CALM	12					12.2		4471		
TOTAL	18	15	16	22	15	7	3	2	1	+

Tin City

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	+	1	4	12	15	13	5	2	+	+
NE	+	1	2	4	4	3	1	+	+	+
E	+	+	+	1	+	+	+			
SE	+	+	+	1	1	1	+	+	+	+
S	1	1	1	3	2	1	+	+	+	+
SW	+	1	1	1	+	+	+	+	+	+
W	+	+	+	+	+	+	+			
NW	+	+	+	1	1	1	+	+		
CALM	6					17.1		19178		
TOTAL	8	5	10	22	24	20	7	3	+	+

Kotzebue

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	2	3	4	2	1	+	+	+		
NE	2	6	5	1	+	+	+	+		
E	4	8	7	5	4	3	2	1	+	+
SE	1	2	3	4	4	3	1	1	+	+
S	+	1	1	1	+	+	+	+	+	
SW	+	1	1	+	+	+	+	+	+	
W	+	1	1	1	+	+	+	+	+	+
NW	+	1	1	2	1	1	+	+	+	+
CALM	5					11.3		21787		
TOTAL	15	22	22	16	11	8	4	2	+	+

Cape Lisburne

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	+	1	1	1	+	+				
NE	+	1	2	2	1	+	+			
E	1	3	5	7	4	2	+	+		
SE	3	7	9	4	1	+	+	+	+	+
S	1	2	1	1	1	2	1	+	+	+
SW	1	1	1	2	2	2	1	1	+	+
W	+	1	2	1	+	+	+	+	+	
NW	+	1	2	1	+	+	+			
CALM	12					10.7		19355		
TOTAL	20	17	22	20	10	7	3	1	+	+

Point Lay

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	+	2	2	1	+	+	+			
NE	1	4	7	8	5	3	1	+	+	
E	1	3	5	5	4	3	1	+	+	
SE	1	2	2	1	1	+	+	+	+	
S	1	3	2	1	1	+	+	+		+
SW	+	1	2	2	1	1	+	+		
W	+	1	3	2	1	+	+			
NW	+	1	1	1	+	+	+			
CALM	9					11.5		3352		
TOTAL	14	17	23	20	13	8	3	1	+	+

Barrow

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	2	3	1	+	+	+			
NE	+	4	6	4	1	+	+			
E	1	5	9	7	3	1	+	+		
SE	1	3	4	3	1	1	+	+		
S	1	2	2	1	+	+	+	+		
SW	1	3	3	2	+	+	+	+	+	+
W	1	2	3	3	1	+	+	+		+
NW	1	2	2	2	1	+	+	+	+	
CALM	3					9.7		19056		
TOTAL	10	23	31	24	8	3	1	+	+	+

Lonely

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	2	2	1	+	+	+			
NE	2	6	7	5	2	1	1	+		
E	1	3	5	4	2	1	+	+		
SE	1	2	2	1	1	+	+	+		
S	1	2	1	+	+	+	+		+	
SW	2	4	4	2	1	+	+	+	+	+
W	1	3	3	2	1	+	+	+	+	
NW	1	2	2	1	+	+				
CALM	12					8.7		3471		
TOTAL	20	25	25	17	7	3	1	+	+	+

Oliktok

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	+	1	1	+	+	+				
NE	1	4	6	5	2	1	+	+	+	
E	+	3	4	4	3	2	1	+		
SE	+	2	2	1	+	+	+	+		
S	1	1	1	1	+	+				
SW	1	4	7	5	2	1	+	+		
W	1	2	4	4	2	1	+	+		
NW	+	1	1	1	+	+	+	+		
CALM	12					10.2		3340		
TOTAL	17	18	27	21	11	5	2	1	+	

Barter

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	+	1	+	+	+	+				+
NE	+	1	1	+	+	+	+			
E	1	3	6	7	5	3	1	+	+	
SE	1	2	3	2	1	1	+	+	+	
S	+	1	1	+	+		+			
SW	1	3	6	1	+	+	+	+	+	+
W	1	3	9	8	4	3	2	1	+	+
NW	+	1	2	3	2	1	1	+	+	+
CALM	4					12.6		17923		
TOTAL	9	14	28	23	11	8	3	2	+	1

Tuktoyaktuk

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	2	4	3	1	1	+	+		
NE	+	1	1	+	+	+				
E	1	2	3	2	1	+				
SE	1	3	6	5	2	+	+			
S	1	3	5	3	1	+	+			
SW	1	3	3	1	+	+				
W	1	4	4	2	1	1	+			
NW	+	2	4	4	3	1	1	+		
CALM	9					9.3		3201		
TOTAL	16	21	30	21	9	3	1	+		

Cape Parry

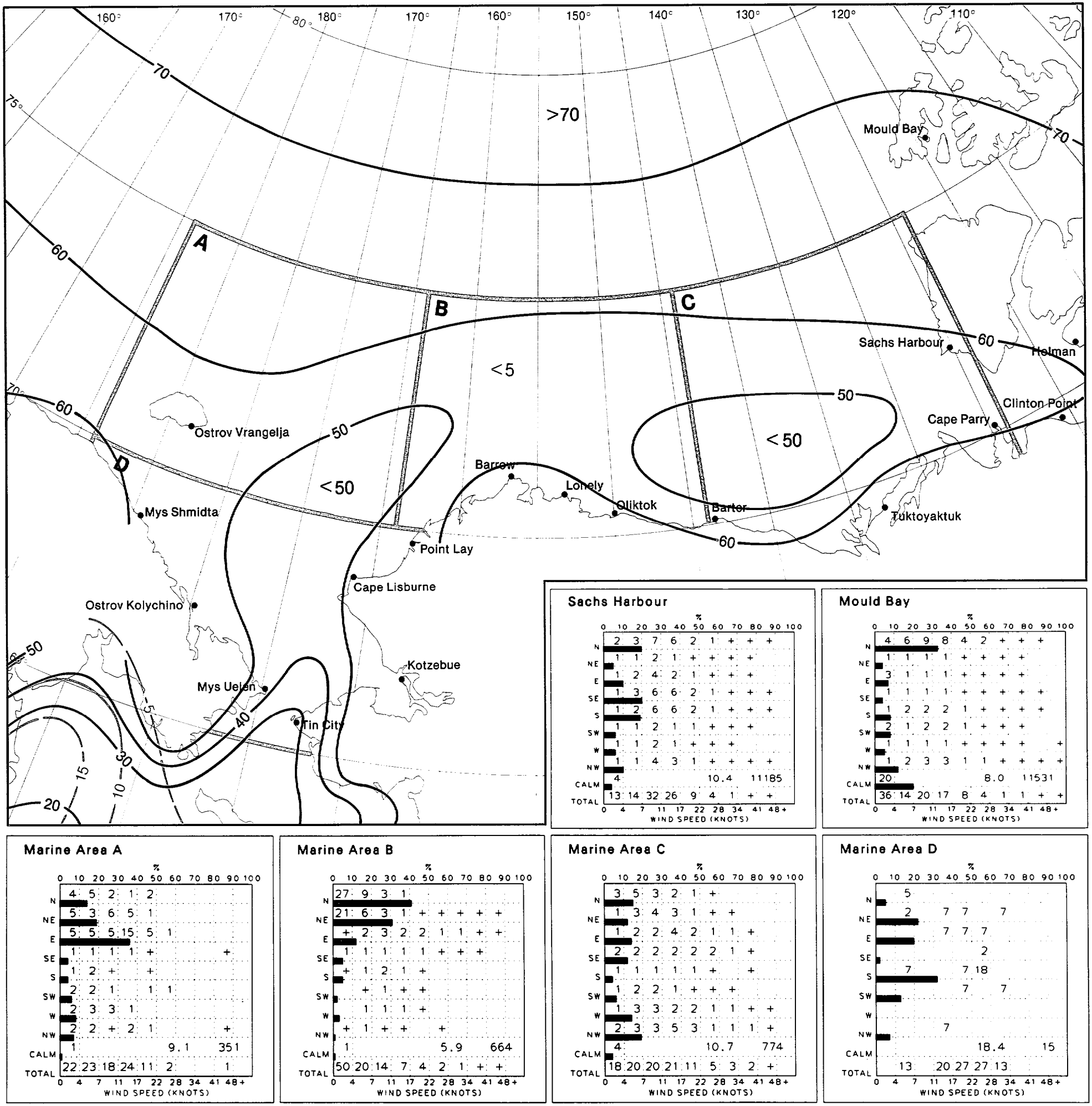
	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	2	3	3	2	+	+			
NE	1	1	1	+	+	+				
E	1	2	3	4	2	1	+	+		
SE	1	1	3	3	2	1	+	+		
S	1	1	2	2	1	+	+			
SW	2	2	2	1	1	+	+			
W	2	3	5	5	2	1	+	+		
NW	1	2	4	6	5	2	+	+	+	
CALM	10					10.3		19790		
TOTAL	19	14	23	24	14	5	1	+	+	

Clinton Point

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	1	3	4	3	3	2	+	+	+
NE	+	+	+	+						
E	1	1	1	1	+	+	+			
SE	1	3	6	4	1	+	+	+		
S	1	2	3	2	+	+	+			
SW	2	3	1	1	+	+				
W	3	7	7	2	1	+				
NW	1	4	8	6	4	3	1	+	+	+
CALM	4					10.7		4547		
TOTAL	13	20	28	18	9	7	3	1	+	+

Holman

	0-4	4-7	7-11	11-17	17-22	22-28	28-34	34-41	41-48	48+
N	1	1	3	2	1	1	+	+	+	
NE	+	+	+			+				
E	1	+	+	+		+				
SE	2	2	4	2	1	+	+			
S	3	5	6	2	1	+	+	+		+
SW	2	2	1	1	+	+	+	+		+
W	1	1	2	2	2	2	2	1	+	+
NW	3	4	7	5	5	5	3	2	+	+
CALM	11					11.2		4400		
TOTAL	23	16	22	13	9	8	5	3	1	+



11 Wind Speed ≦10 and ≧34 Knots

December

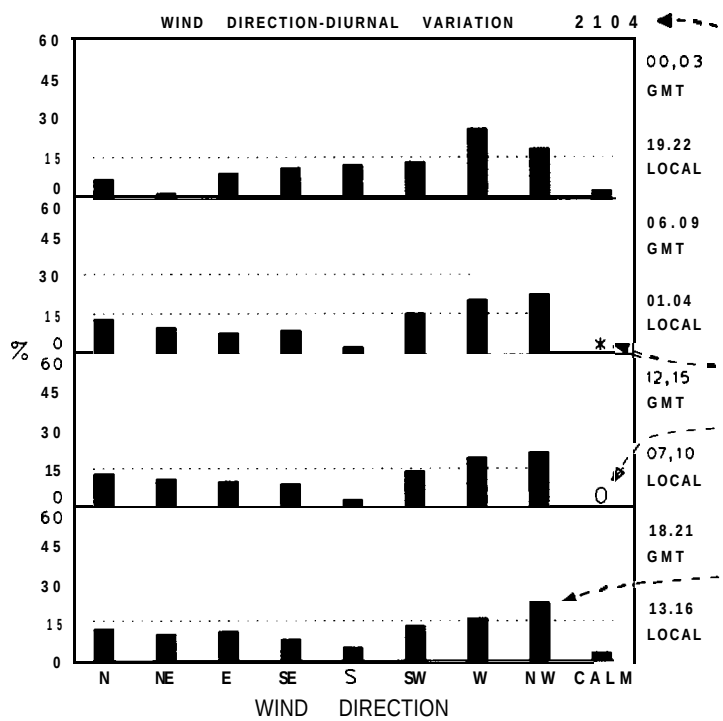
Map 12. Wind speed 11-21 and 22-33 knots

BLACK LINE – Percent frequency of wind speed 11-21 knots.

BLUE LINE – Percent frequency of wind speed 22-33 knots.

Albers Equal-Area Conic Projection

Graphs: Wind direction/diurnal variation



--- Number of observations.

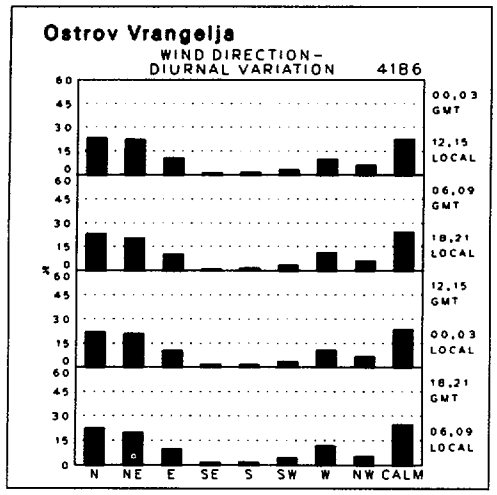
Bars show percent frequency of wind direction (8 pts.) by hour (GMT and Local Time). Data are based on 100% for each hour-group.

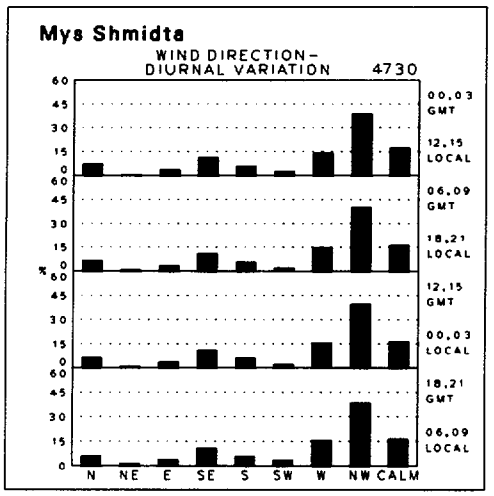
* indicates <.05% but >0.

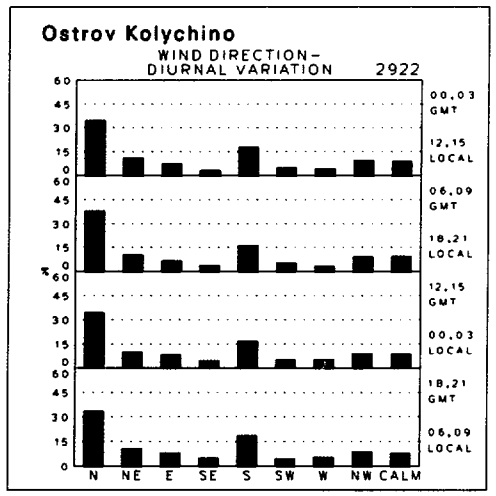
0 indicates no observations in the category.

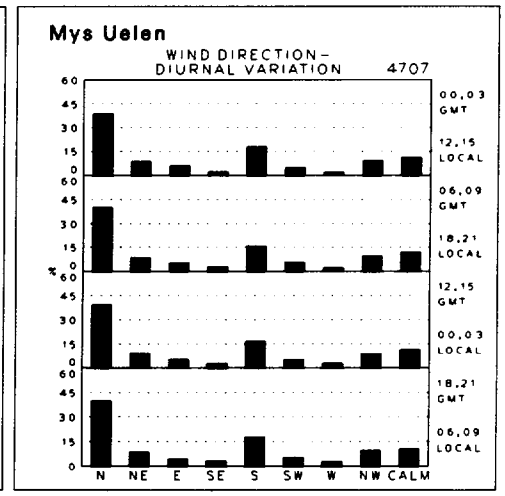
(22% of the wind observations for the hours 18 and 21 GMT (13 and 76 Local Time) had a direction from the northwest.)

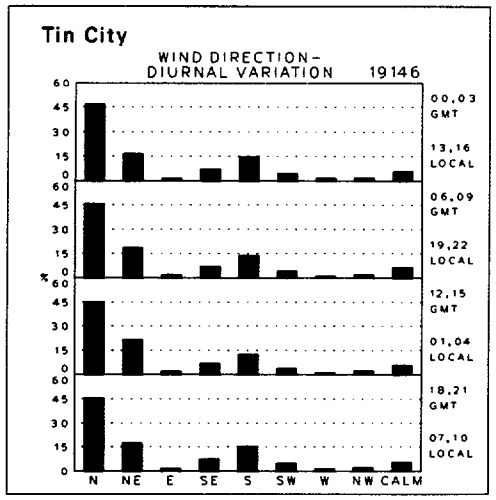
The historical marine data file at the NCDC is made up of data collected and recorded since 1854 in several different units of measurement. Wind direction has been recorded over the years in the 16-, 32-, and 36-point scale. A reduced biasing system was employed in converting wind direction to the 8-point scale used in this atlas. This method attached weighting values to observations which overlap two different 8-point sectors and treats them as "fractional observation counts."

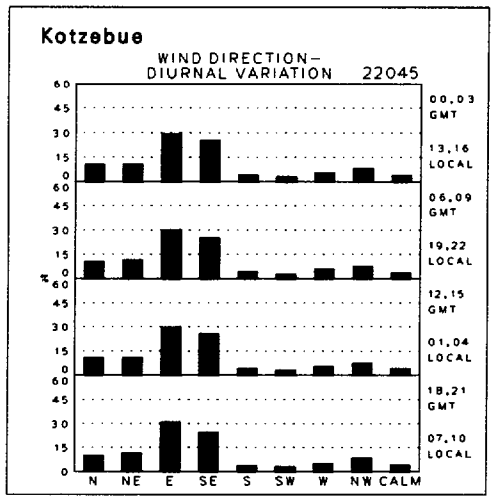

Ostrov Vrangelja
WIND DIRECTION–
DIURNAL VARIATION 4186
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

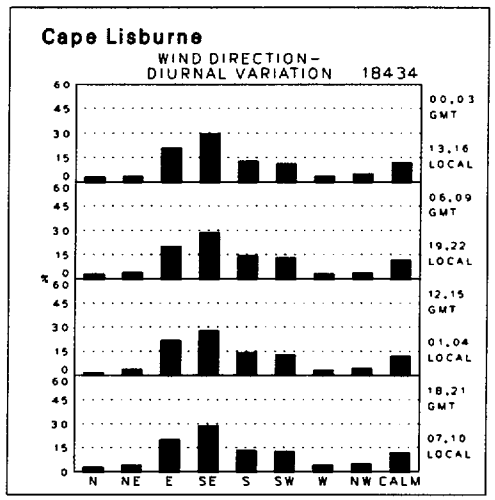

Mys Shmidta
WIND DIRECTION–
DIURNAL VARIATION 4730
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

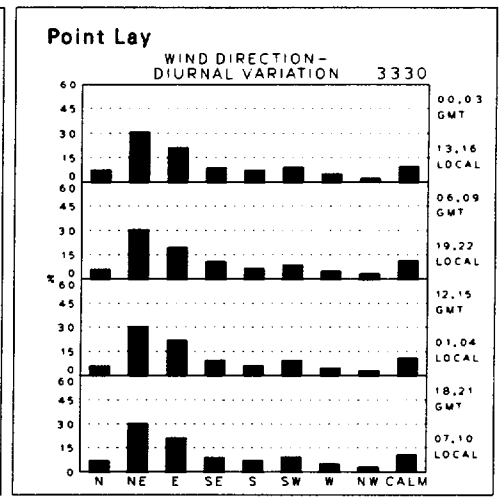

Ostrov Kolychino
WIND DIRECTION–
DIURNAL VARIATION 2922
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

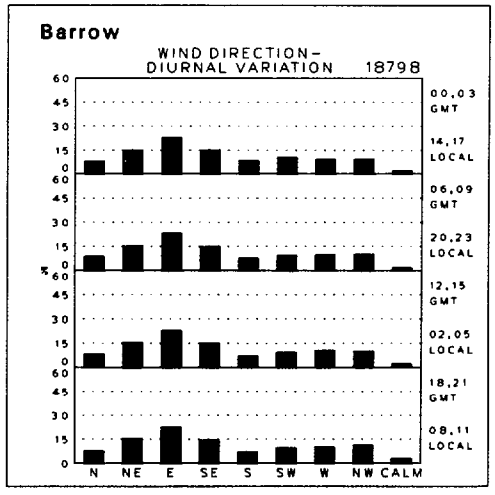

Mys Uelen
WIND DIRECTION–
DIURNAL VARIATION 4707
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

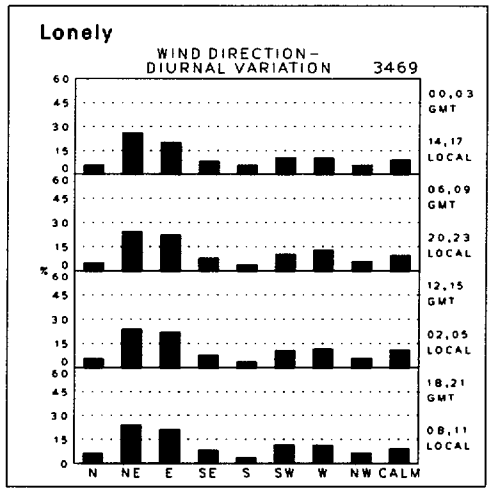

Tin City
WIND DIRECTION–
DIURNAL VARIATION 19146
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

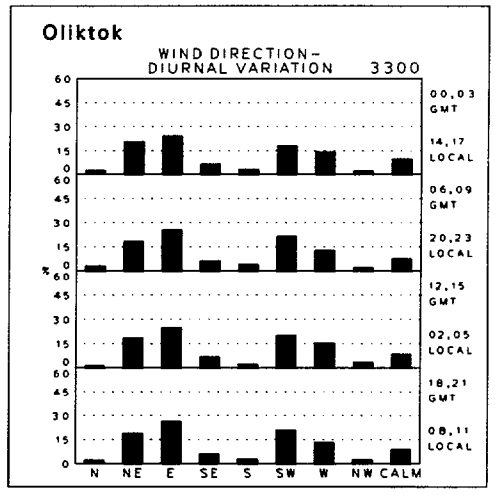

Kotzebue
WIND DIRECTION–
DIURNAL VARIATION 22045
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

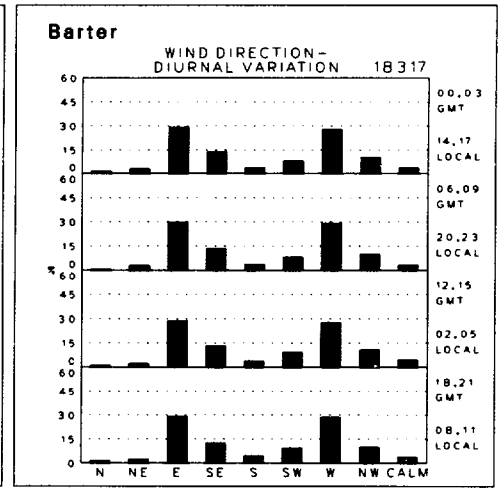

Cape Lisburne
WIND DIRECTION–
DIURNAL VARIATION 18434
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

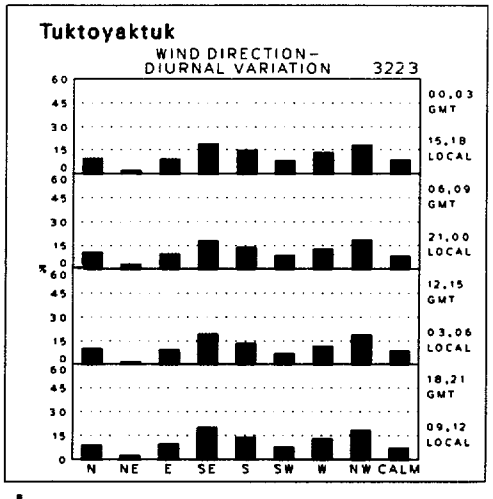

Point Lay
WIND DIRECTION–
DIURNAL VARIATION 3330
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

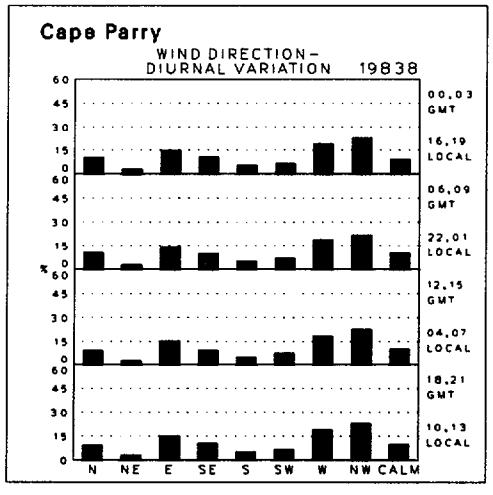

Barrow
WIND DIRECTION–
DIURNAL VARIATION 18798
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

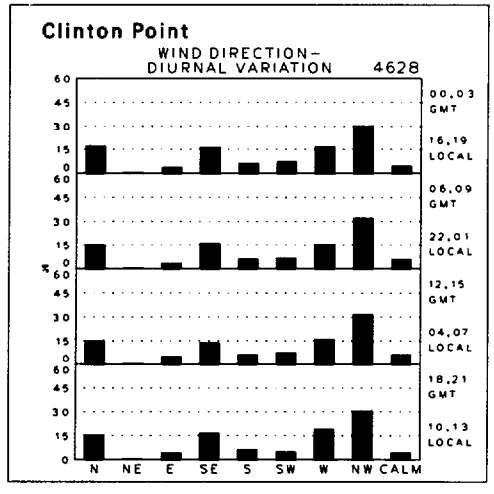

Lonely
WIND DIRECTION–
DIURNAL VARIATION 3469
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

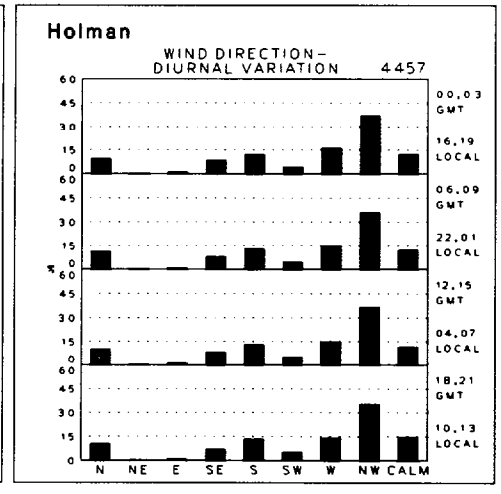

Oliktok
WIND DIRECTION–
DIURNAL VARIATION 3300
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

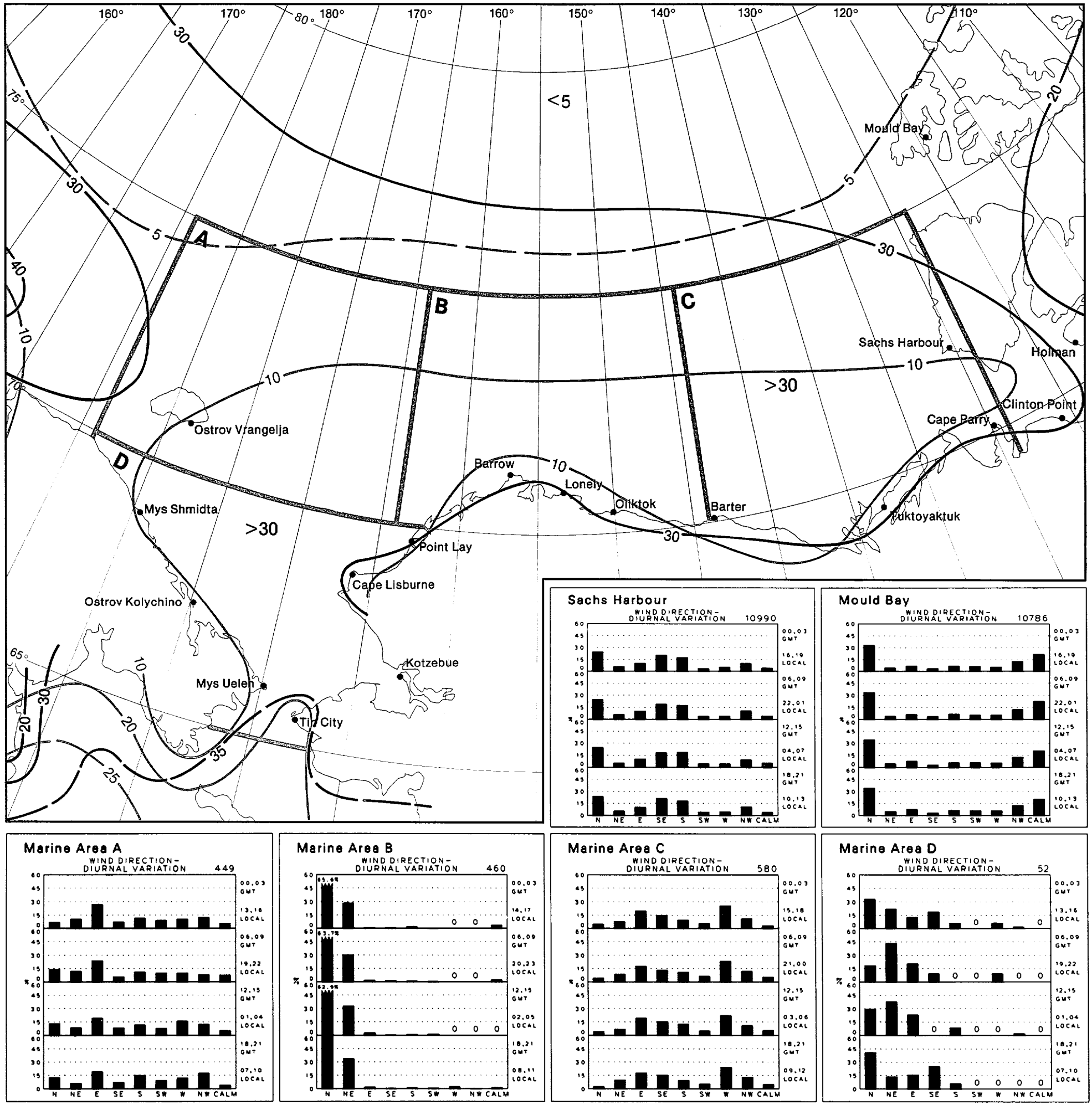

Barter
WIND DIRECTION–
DIURNAL VARIATION 18317
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION–
DIURNAL VARIATION 3223
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM

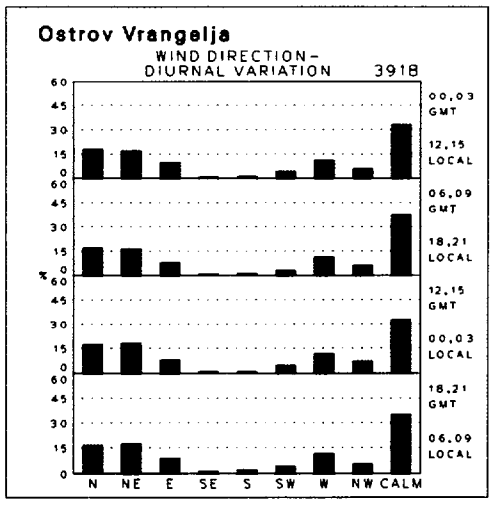

Cape Parry
WIND DIRECTION–
DIURNAL VARIATION 19838
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

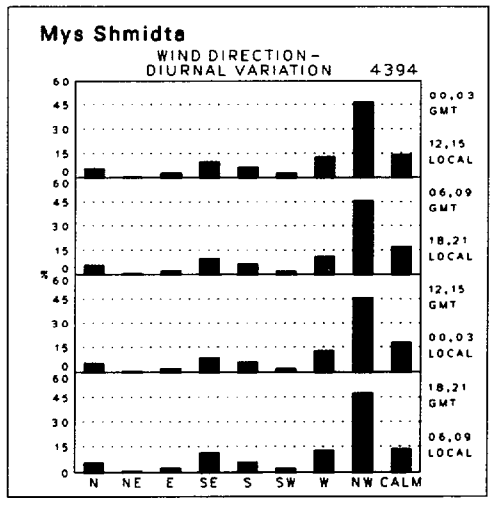

Clinton Point
WIND DIRECTION–
DIURNAL VARIATION 4628
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

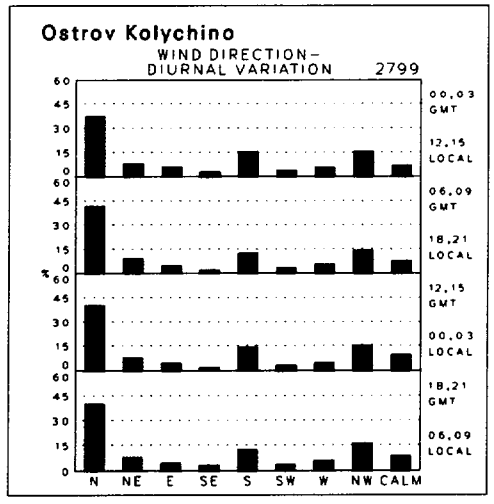

Holman
WIND DIRECTION–
DIURNAL VARIATION 4457
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

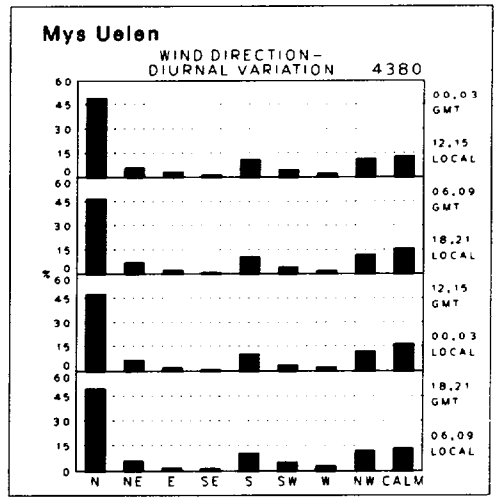


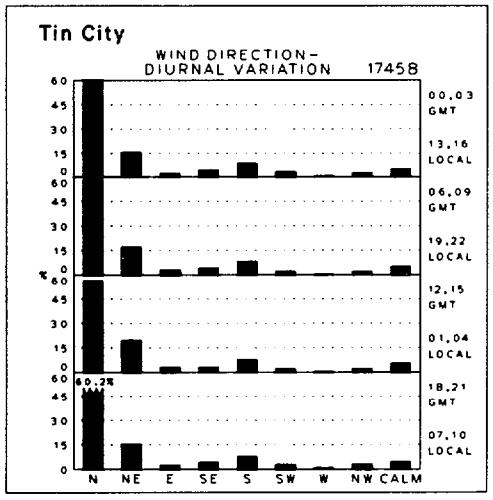
12 Wind Speed 11-21 and 22-33 Knots **January**

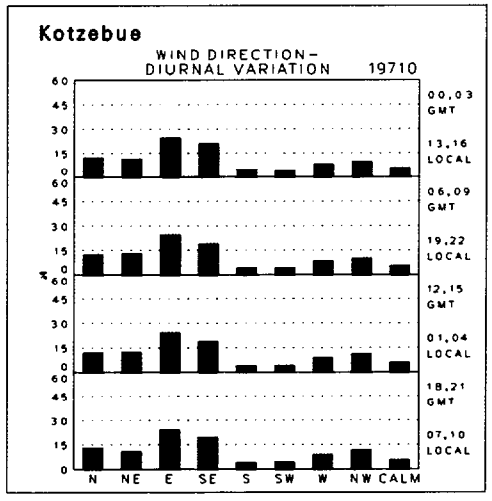

Ostrov Vrangelja
WIND DIRECTION–
DIURNAL VARIATION 3918
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

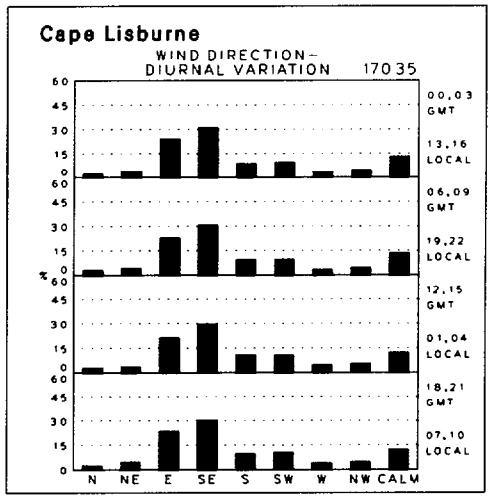

Mys Shmidta
WIND DIRECTION–
DIURNAL VARIATION 4394
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

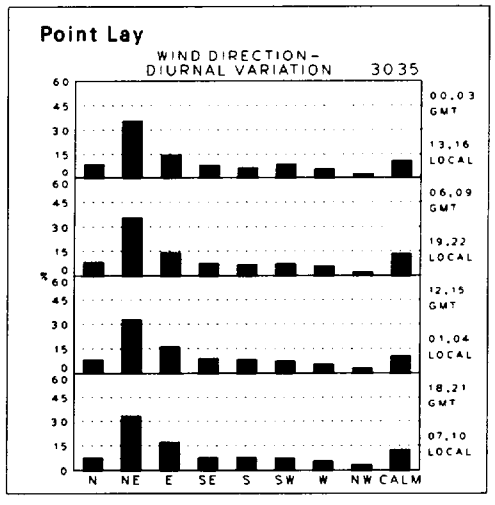

Ostrov Kolychino
WIND DIRECTION–
DIURNAL VARIATION 2799
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

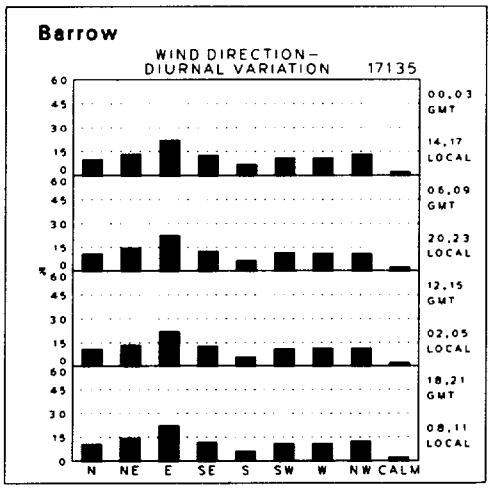

Mys Uelen
WIND DIRECTION–
DIURNAL VARIATION 4380
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

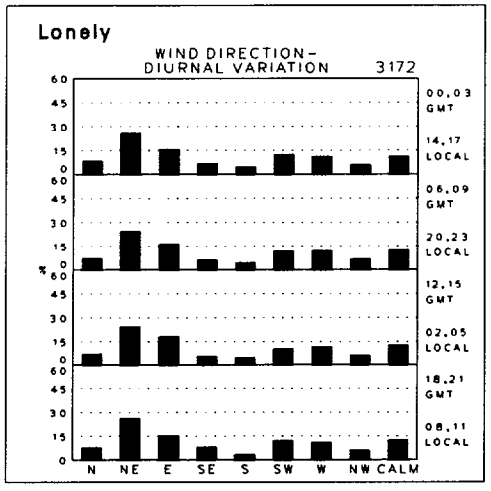

Tin City
WIND DIRECTION–
DIURNAL VARIATION 17458
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
60,2%
N NE E SE S SW W NW CALM

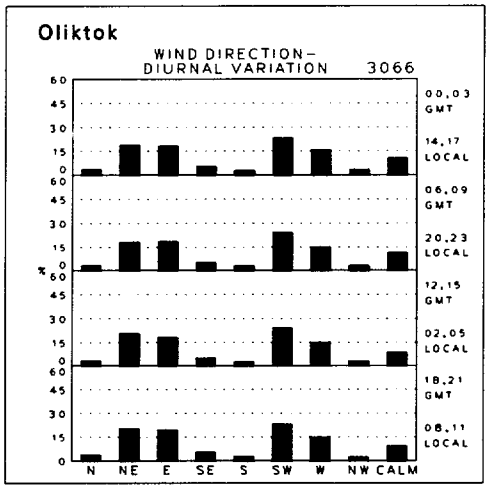

Kotzebue
WIND DIRECTION–
DIURNAL VARIATION 19710
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

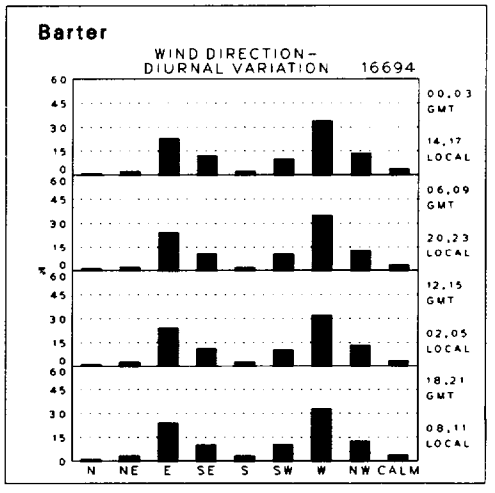

Cape Lisburne
WIND DIRECTION–
DIURNAL VARIATION 17035
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

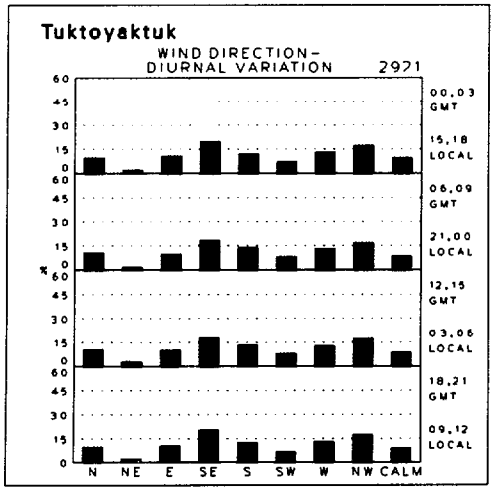

Point Lay
WIND DIRECTION–
DIURNAL VARIATION 3035
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

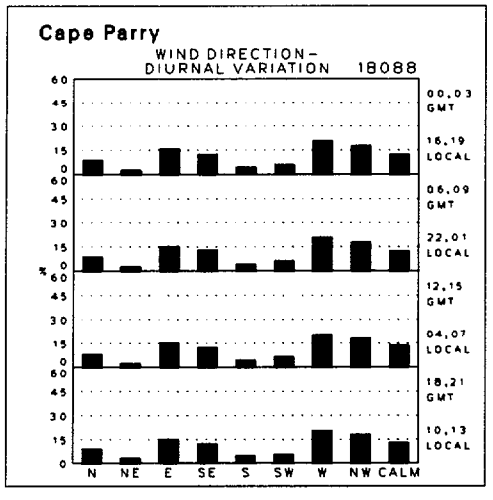

Barrow
WIND DIRECTION–
DIURNAL VARIATION 17135
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

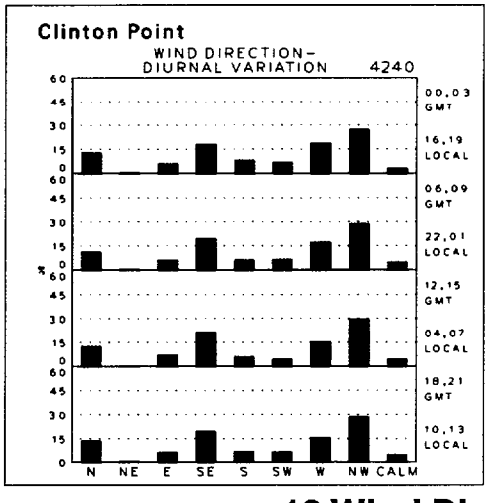

Lonely
WIND DIRECTION–
DIURNAL VARIATION 3172
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

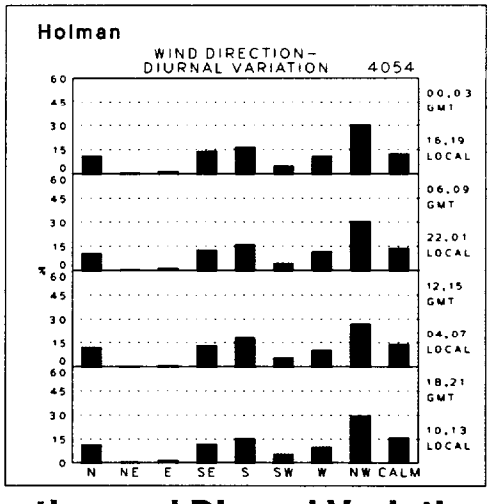

Oliktok
WIND DIRECTION–
DIURNAL VARIATION 3066
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

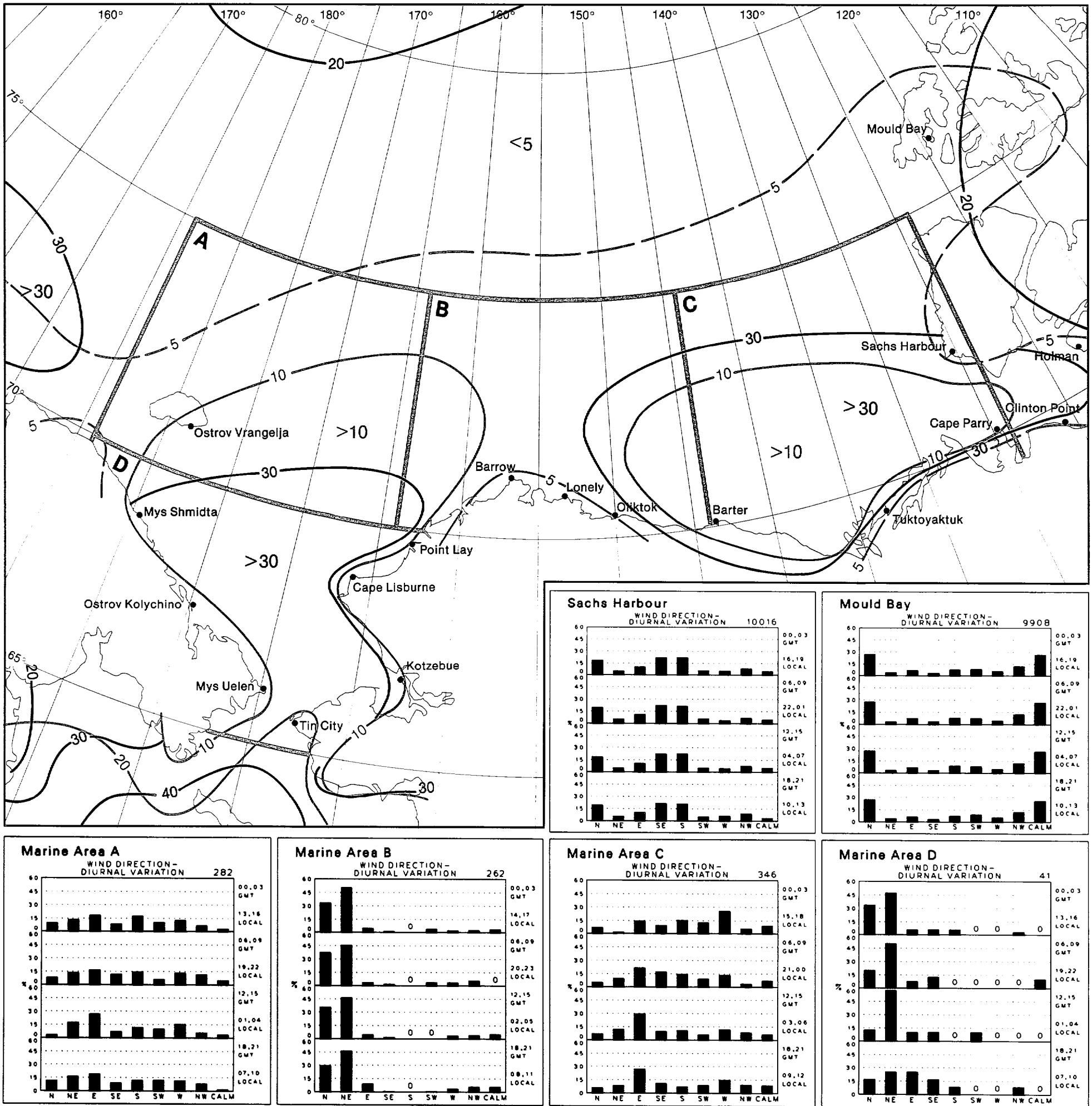

Barter
WIND DIRECTION–
DIURNAL VARIATION 16694
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION–
DIURNAL VARIATION 2971
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION–
DIURNAL VARIATION 18088
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

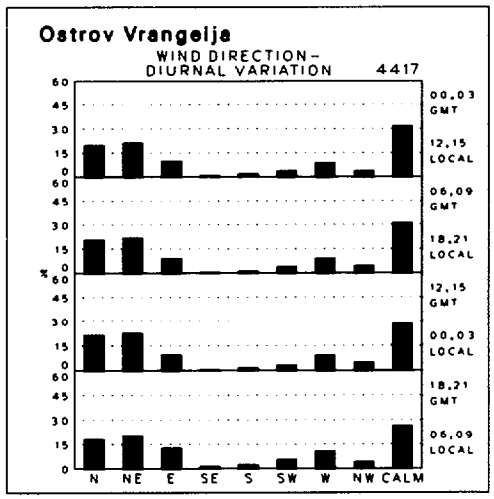

Clinton Point
WIND DIRECTION–
DIURNAL VARIATION 4240
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

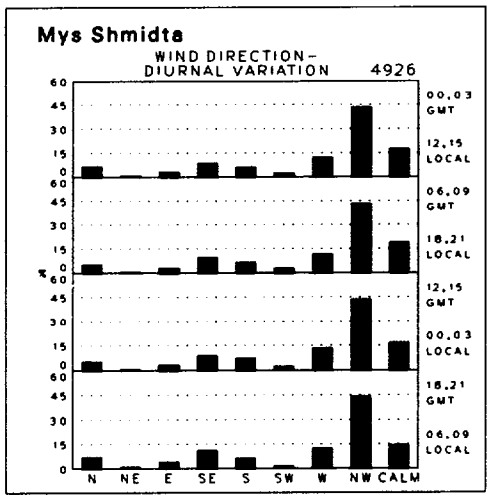

Holman
WIND DIRECTION–
DIURNAL VARIATION 4054
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

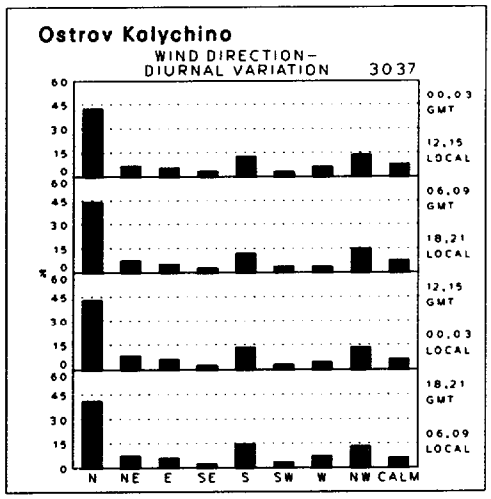


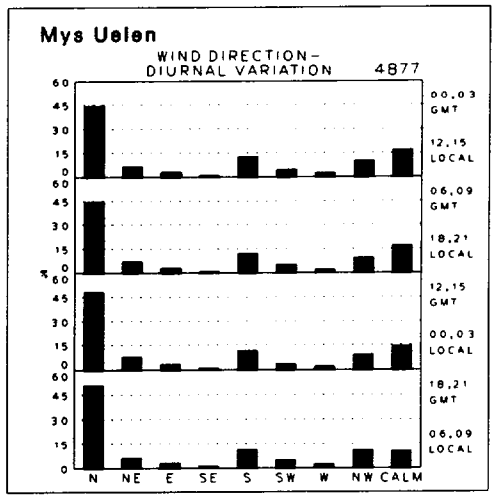
12 Wind Speed 11-21 and 22-33 Knots

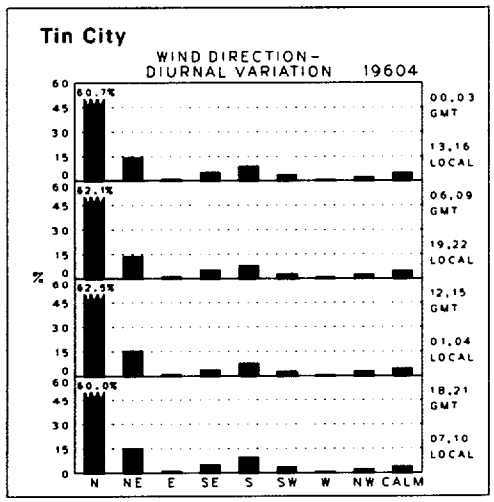
February

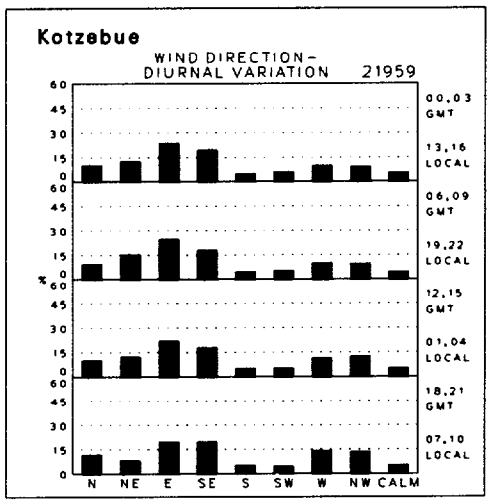

Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION
4417
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

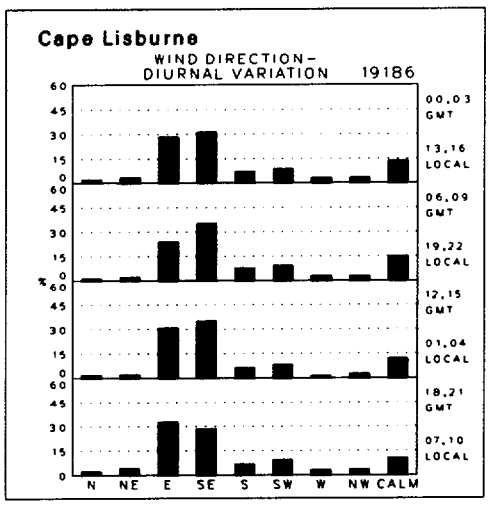

Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION
4926
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

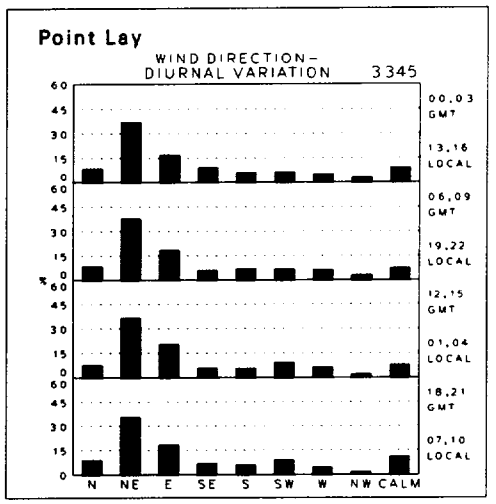

Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION
3037
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

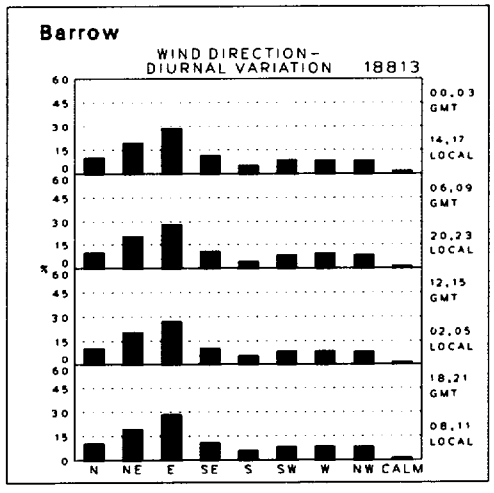

Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION
4877
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

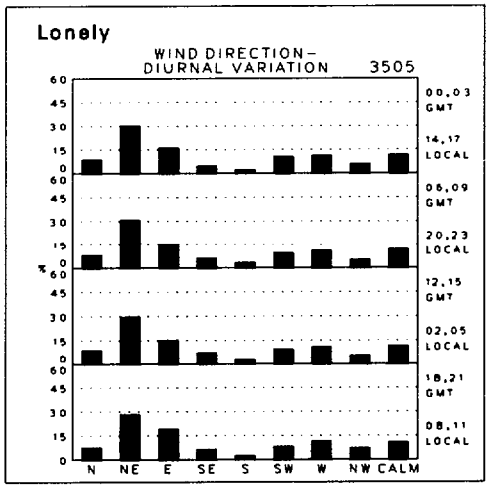

Tin City
WIND DIRECTION-
DIURNAL VARIATION
19604
60.7%
62.1%
62.9%
60.0%
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

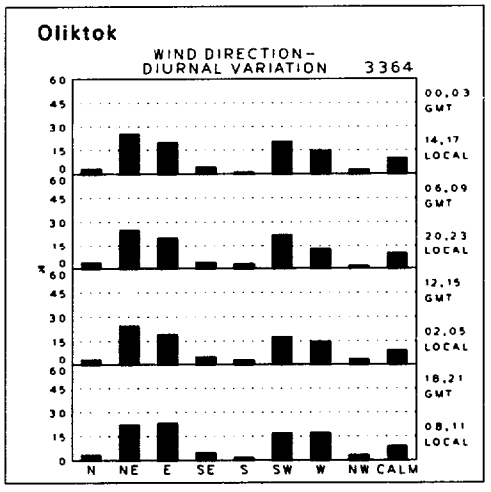

Kotzebue
WIND DIRECTION-
DIURNAL VARIATION
21959
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

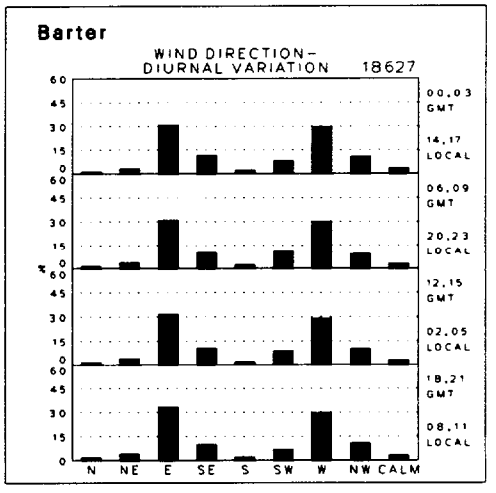

Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION
19186
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

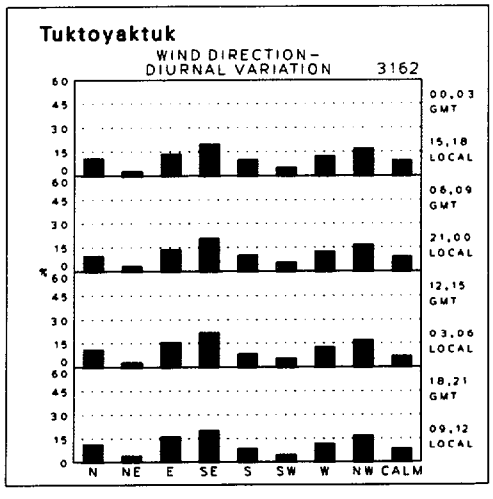

Point Lay
WIND DIRECTION-
DIURNAL VARIATION
3345
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

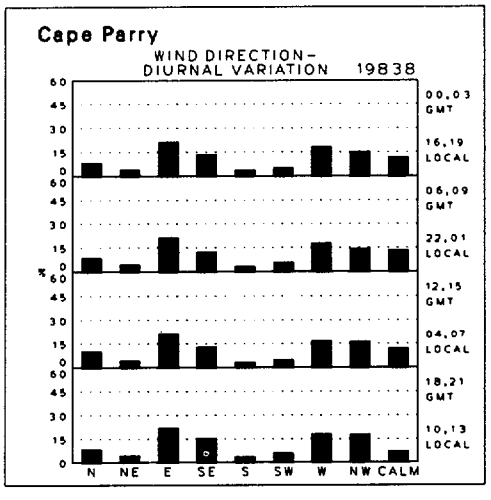

Barrow
WIND DIRECTION-
DIURNAL VARIATION
18813
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

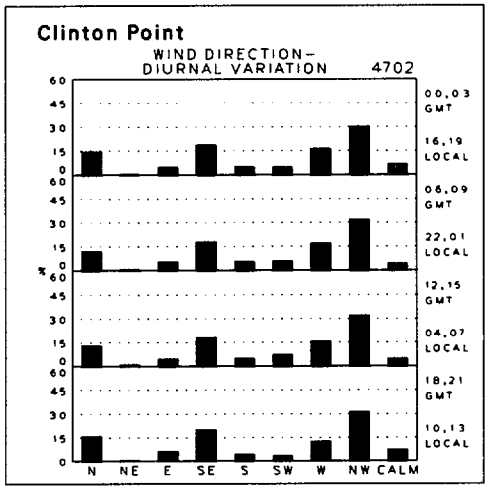

Lonely
WIND DIRECTION-
DIURNAL VARIATION
3505
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

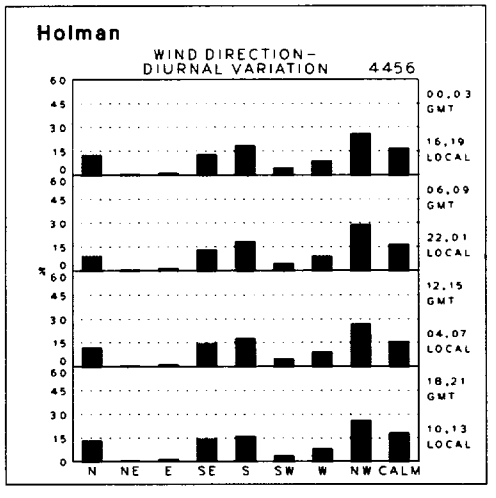

Oliktok
WIND DIRECTION-
DIURNAL VARIATION
3364
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

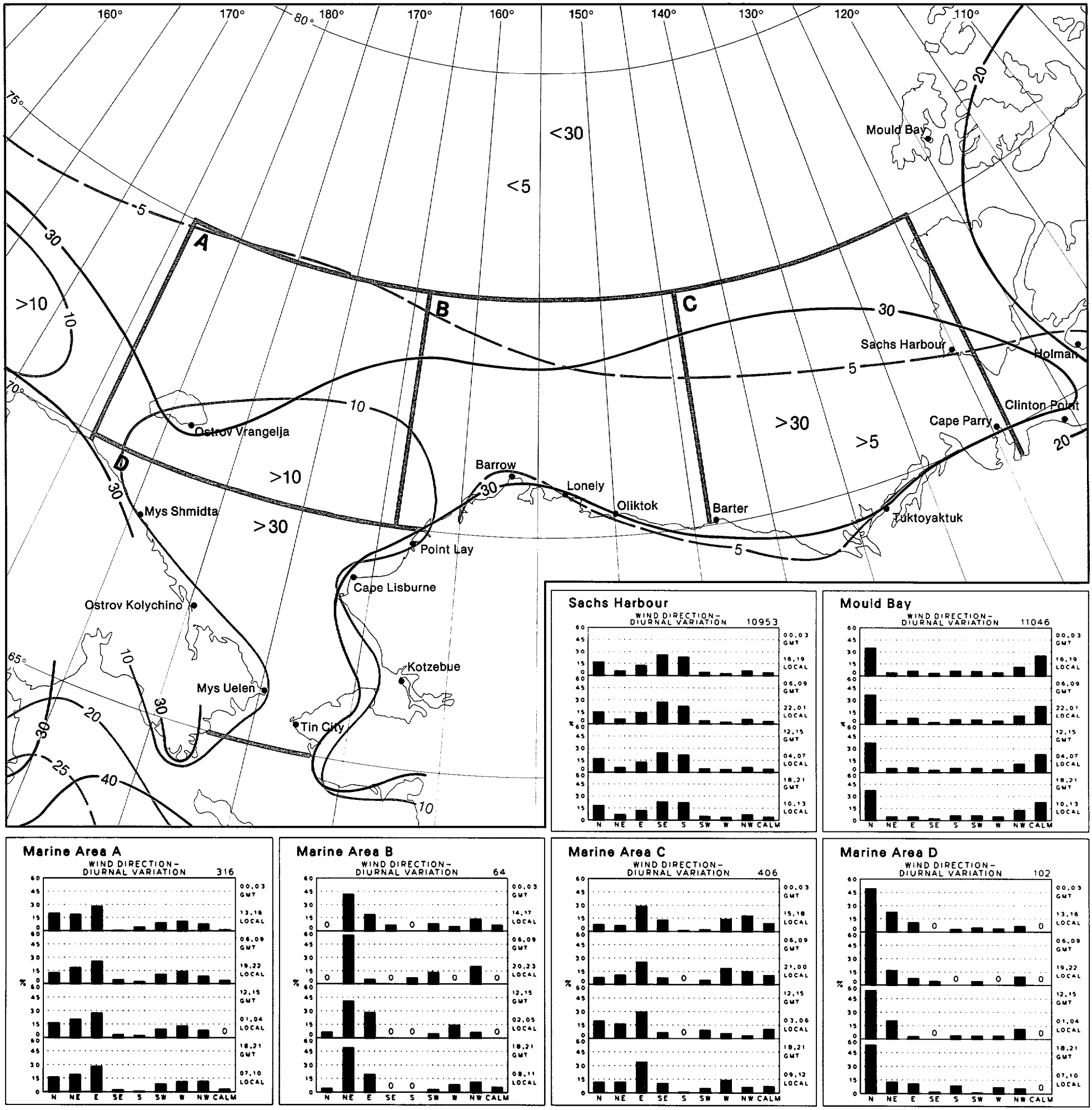

Barter
WIND DIRECTION-
DIURNAL VARIATION
18627
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION
3162
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM

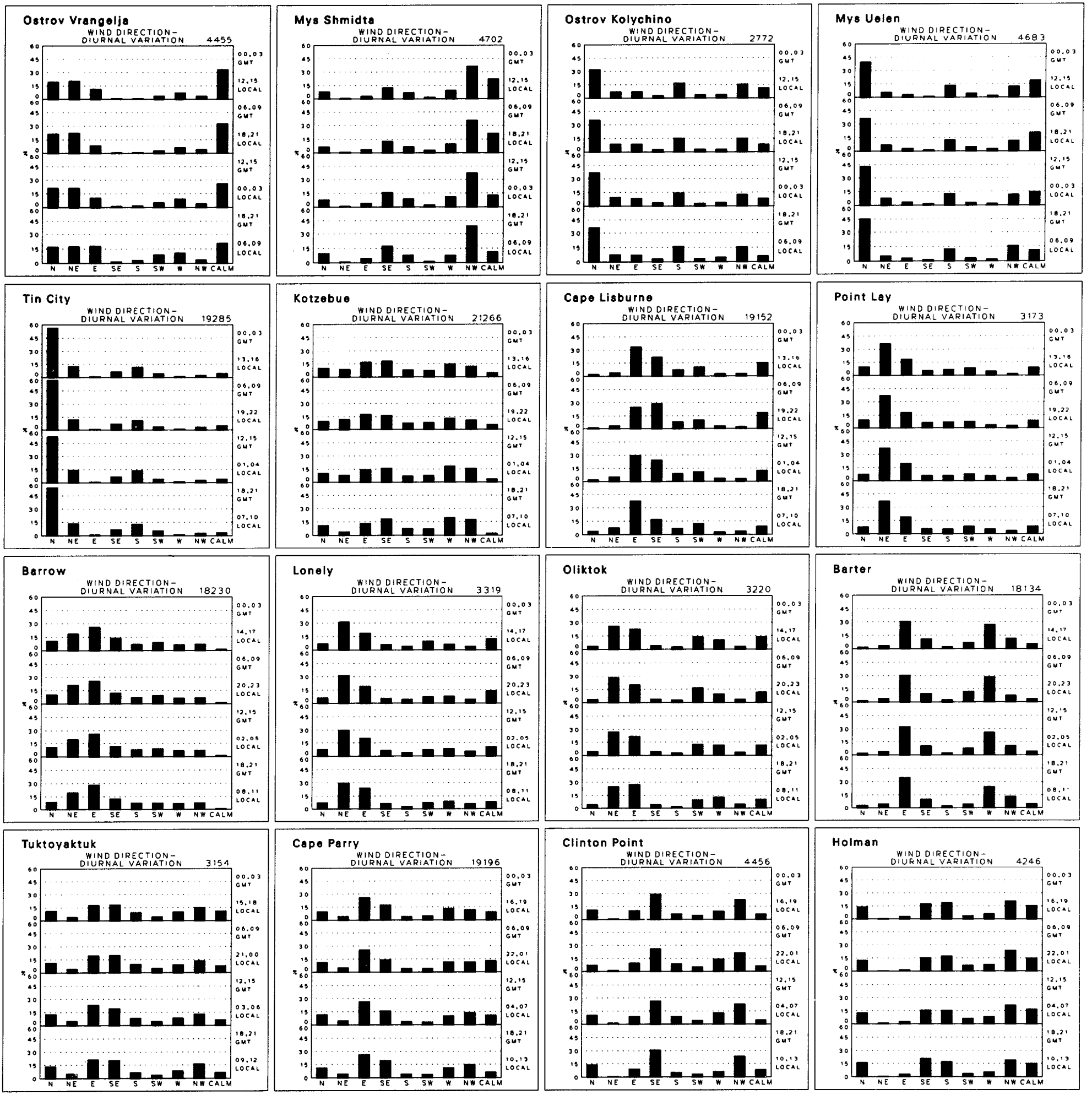

Cape Parry
WIND DIRECTION-
DIURNAL VARIATION
19838
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

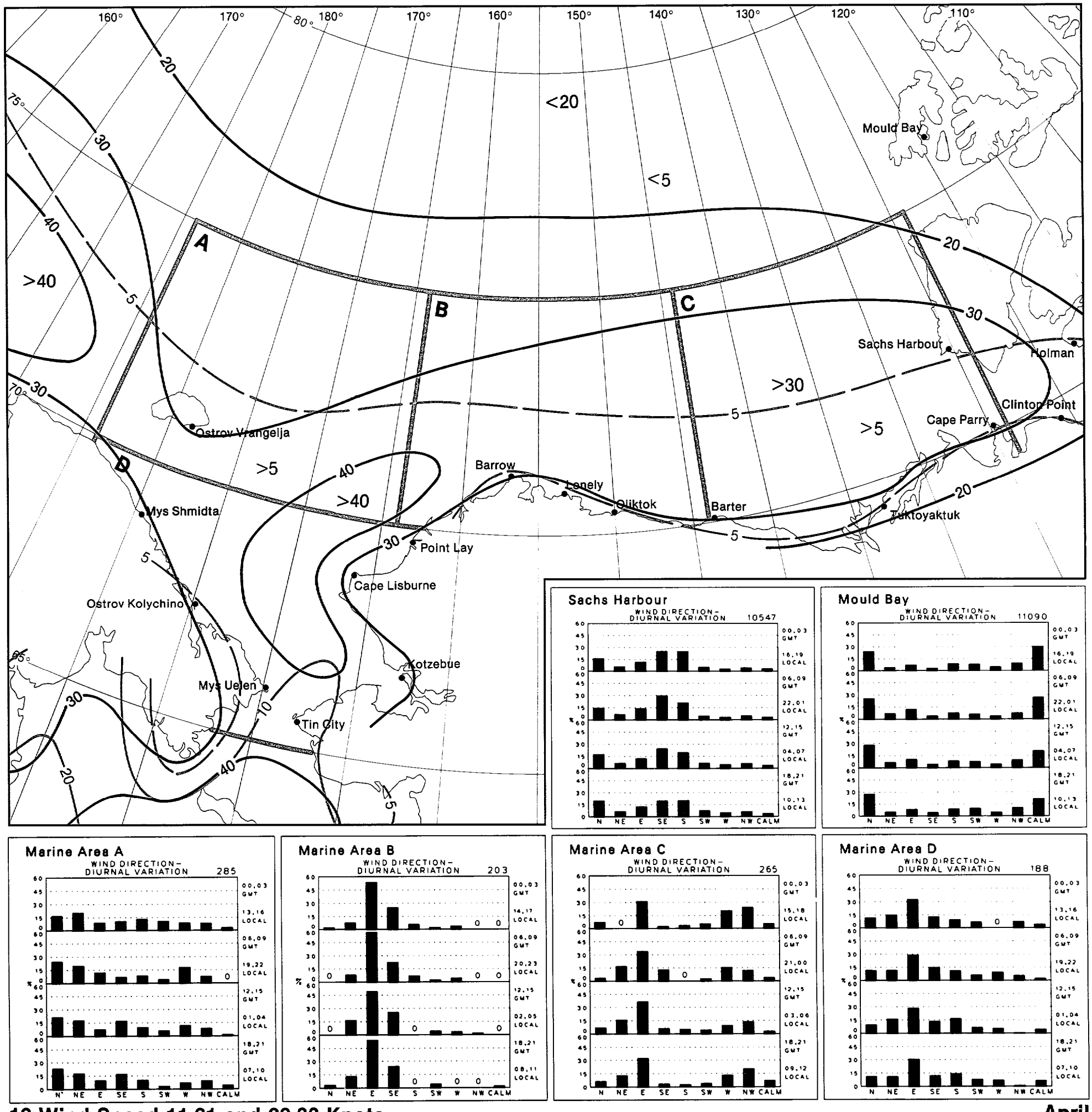

Clinton Point
WIND DIRECTION-
DIURNAL VARIATION
4702
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

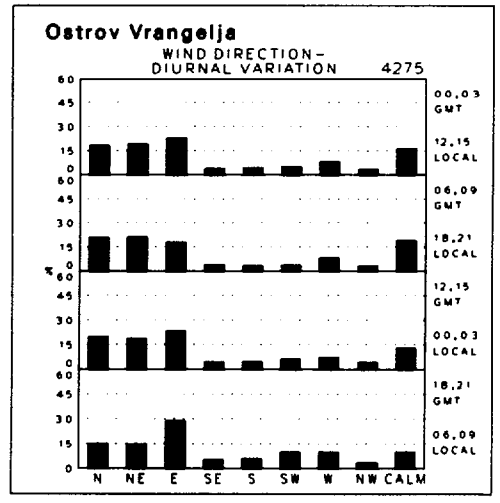

Holman
WIND DIRECTION-
DIURNAL VARIATION
4456
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

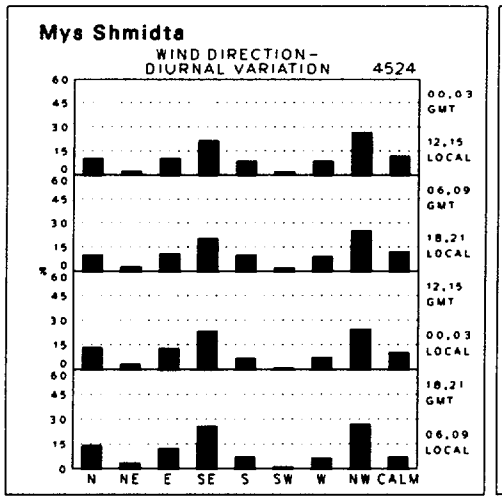


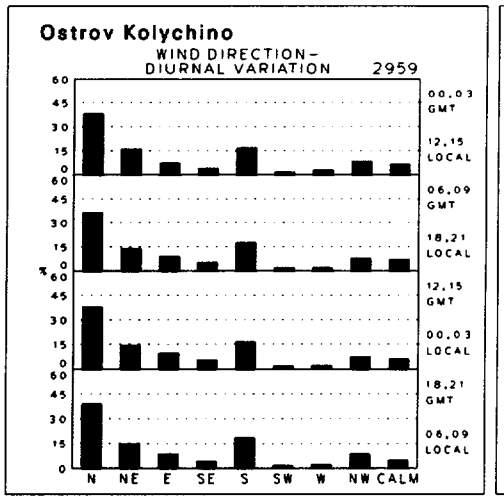
12 Wind Speed 11-21 and 22-33 Knots **March**

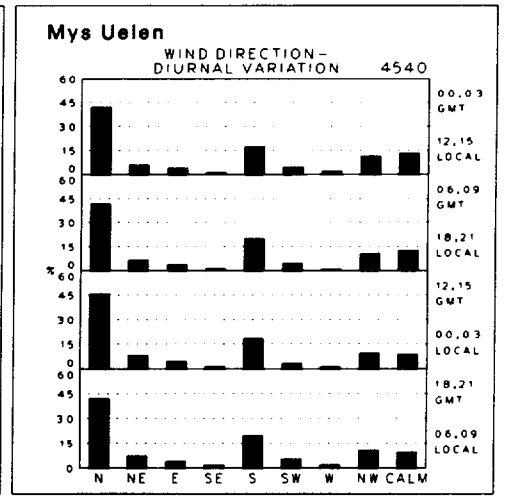

Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4455
Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4702
Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2772
Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4683
Tin City
WIND DIRECTION-
DIURNAL VARIATION 19285
Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21266
Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 19152
Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3173
Barrow
WIND DIRECTION-
DIURNAL VARIATION 18230
Lonely
WIND DIRECTION-
DIURNAL VARIATION 3319
Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3220
Barter
WIND DIRECTION-
DIURNAL VARIATION 18134
Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3154
Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 19196
Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4456
Holman
WIND DIRECTION-
DIURNAL VARIATION 4246
N NE E SE S SW W NW CALM

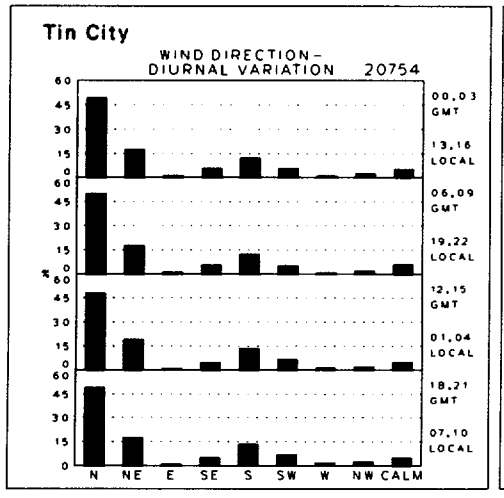

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
<20
<5
>40
>30
>5
>40
>5
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Point Lay
Cape Lisburne
Kotzebue
Tin City
Mys Uelen
Ostrov Kolychino
Mys Shmidta
Ostrov Vrangelja
Sachs Harbour
WIND DIRECTION-DIURNAL VARIATION 10547
Mould Bay
WIND DIRECTION-DIURNAL VARIATION 11090
Marine Area A
WIND DIRECTION-DIURNAL VARIATION 285
Marine Area B
WIND DIRECTION-DIURNAL VARIATION 203
Marine Area C
WIND DIRECTION-DIURNAL VARIATION 265
Marine Area D
WIND DIRECTION-DIURNAL VARIATION 188
N NE E SE S SW W NW CALM

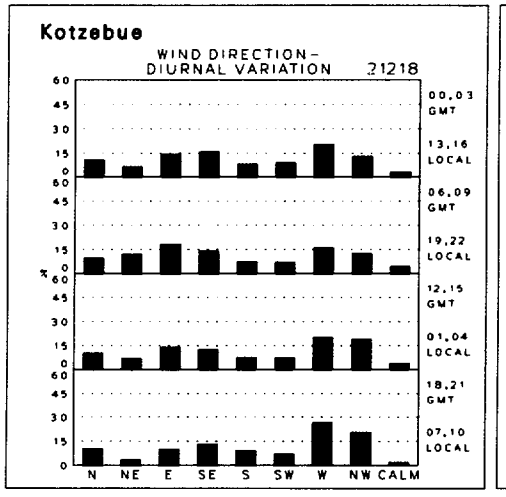

Ostrov Vrangelja
WIND DIRECTION–
DIURNAL VARIATION 4275
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

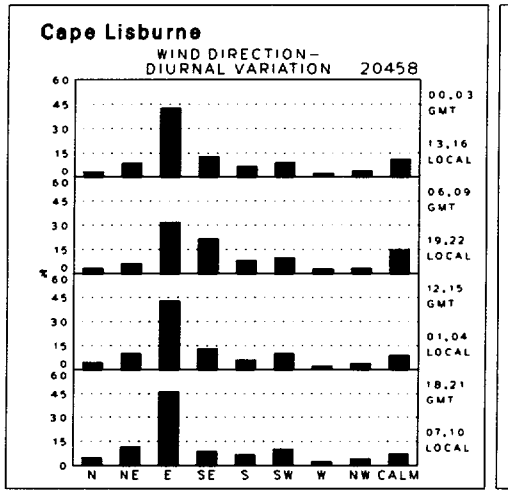

Mys Shmidta
WIND DIRECTION–
DIURNAL VARIATION 4524
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

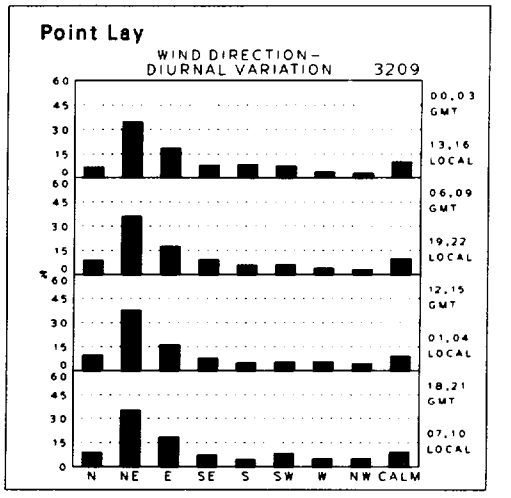

Ostrov Kolychino
WIND DIRECTION–
DIURNAL VARIATION 2959
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

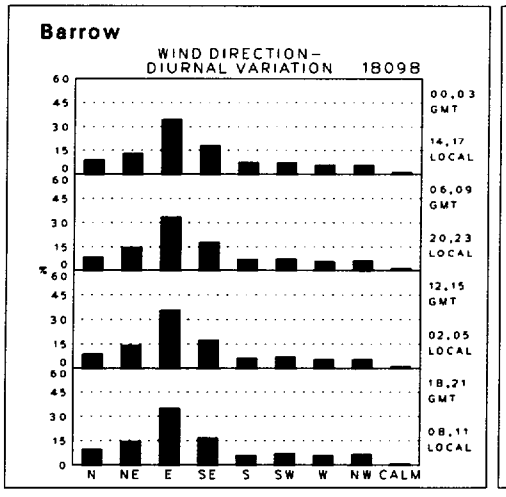

Mys Uelen
WIND DIRECTION–
DIURNAL VARIATION 4540
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM

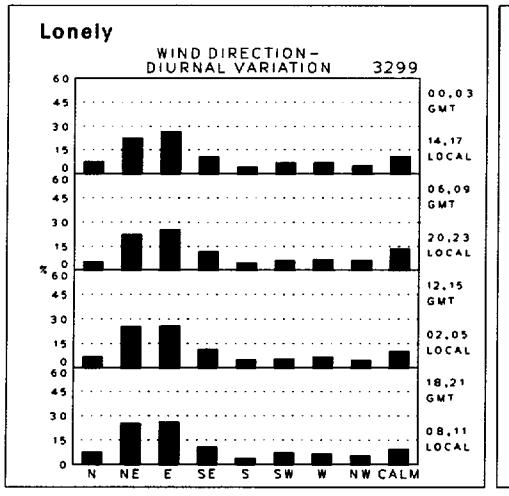

Tin City
WIND DIRECTION–
DIURNAL VARIATION 20754
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

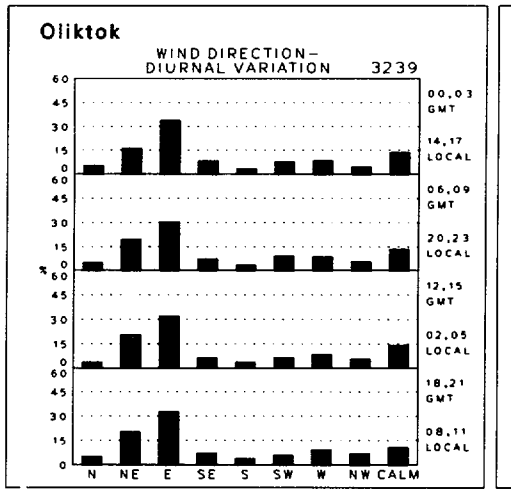

Kotzebue
WIND DIRECTION–
DIURNAL VARIATION 21218
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

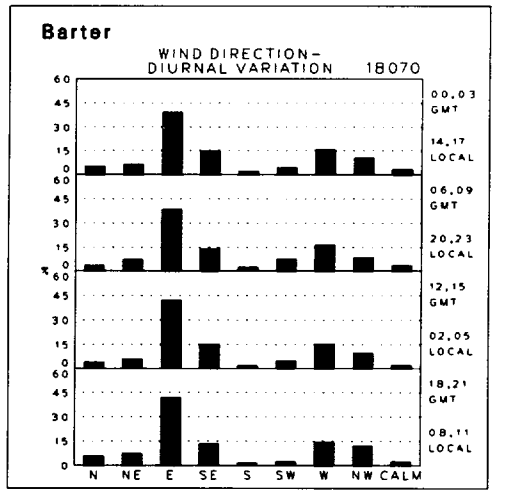

Cape Lisburne
WIND DIRECTION–
DIURNAL VARIATION 20458
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

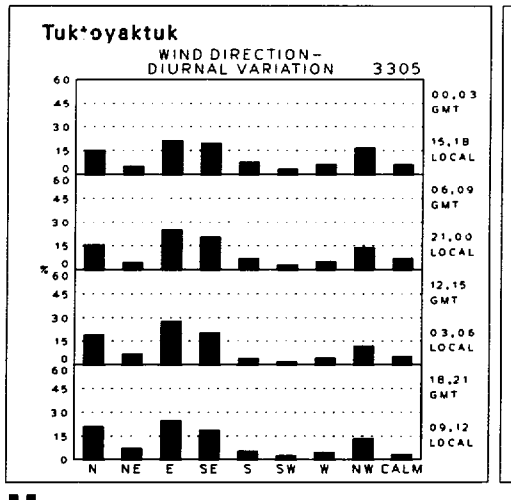

Point Lay
WIND DIRECTION–
DIURNAL VARIATION 3209
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

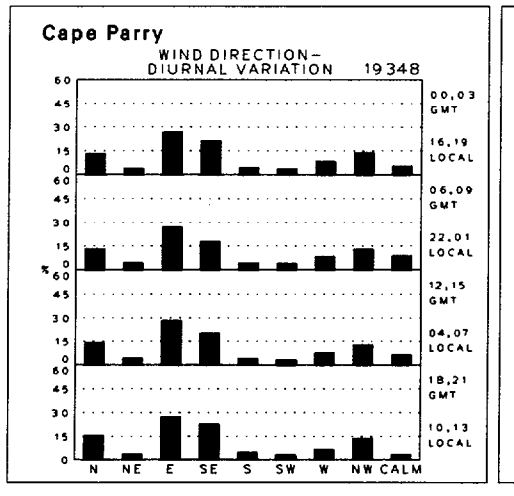

Barrow
WIND DIRECTION–
DIURNAL VARIATION 18098
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

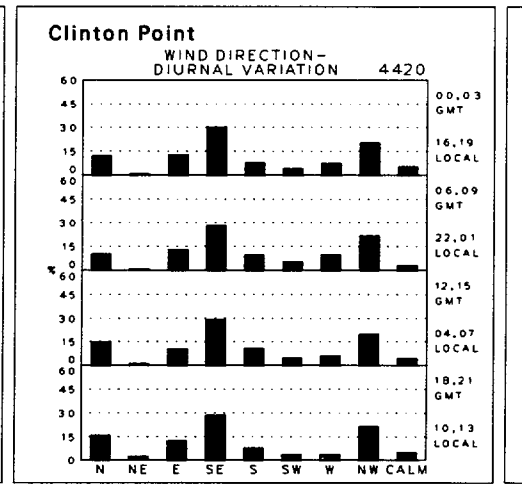

Lonely
WIND DIRECTION–
DIURNAL VARIATION 3299
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

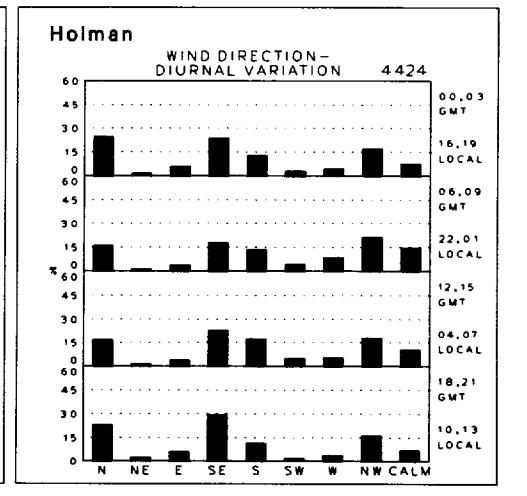

Oliktok
WIND DIRECTION–
DIURNAL VARIATION 3239
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

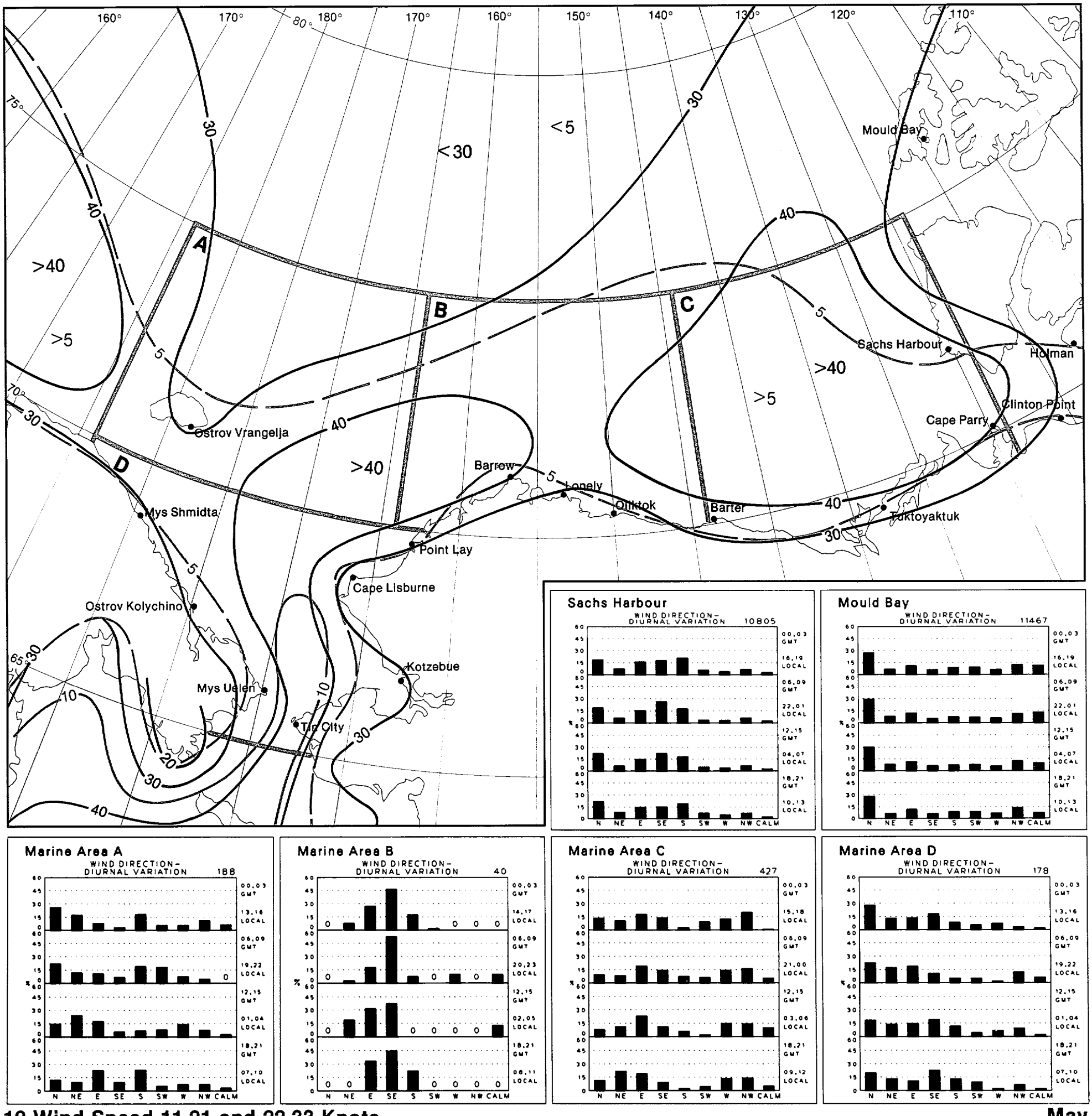

Barter
WIND DIRECTION–
DIURNAL VARIATION 18070
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuk*oyaktuk
WIND DIRECTION–
DIURNAL VARIATION 3305
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION–
DIURNAL VARIATION 19348
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

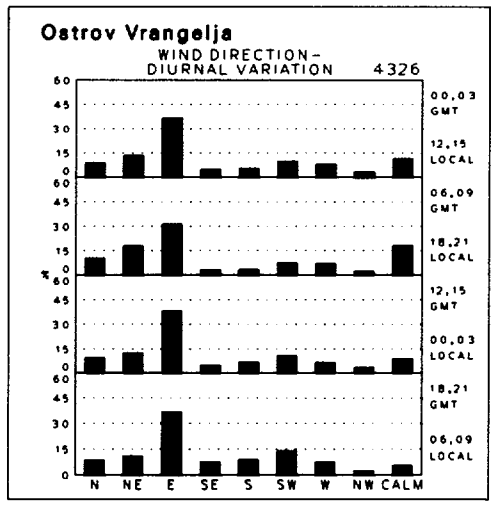

Clinton Point
WIND DIRECTION–
DIURNAL VARIATION 4420
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

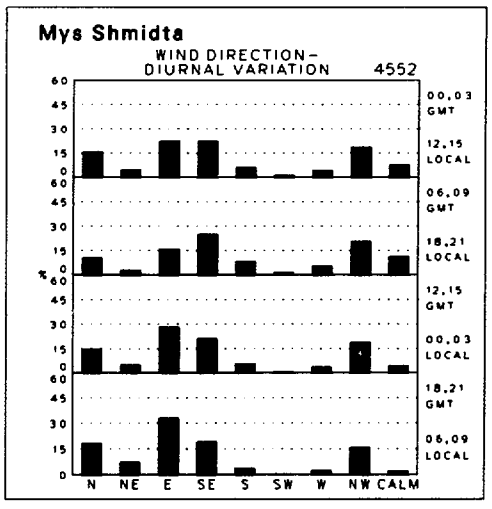

Holman
WIND DIRECTION–
DIURNAL VARIATION 4424
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM



12 Wind Speed 11-21 and 22-33 Knots

May


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4326
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4552
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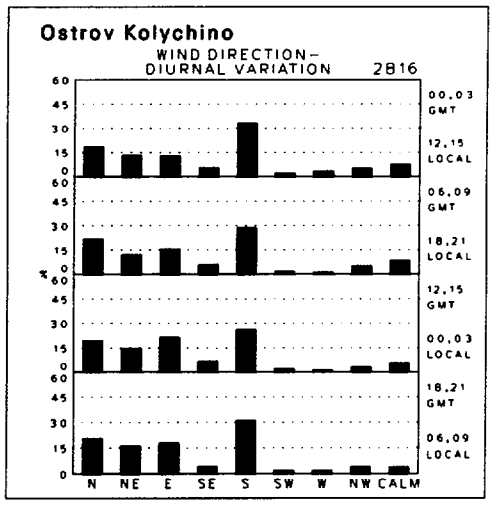
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2816
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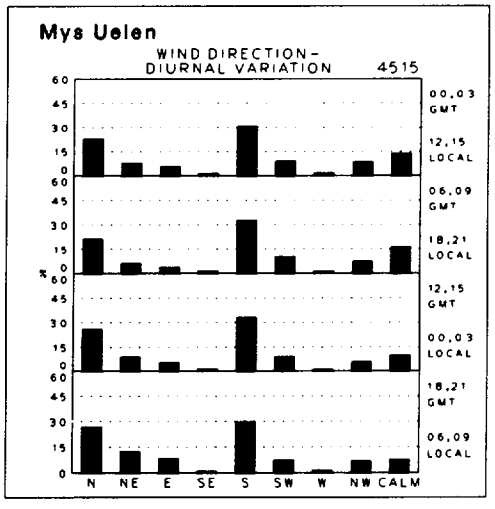
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4515
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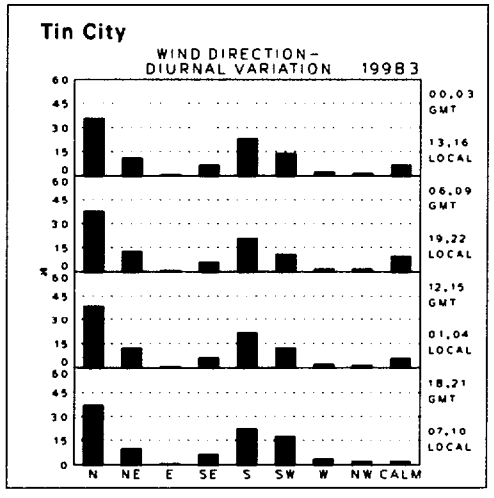
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 19983
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13,16 LOCAL
06,09 GMT
19,22 LOCAL
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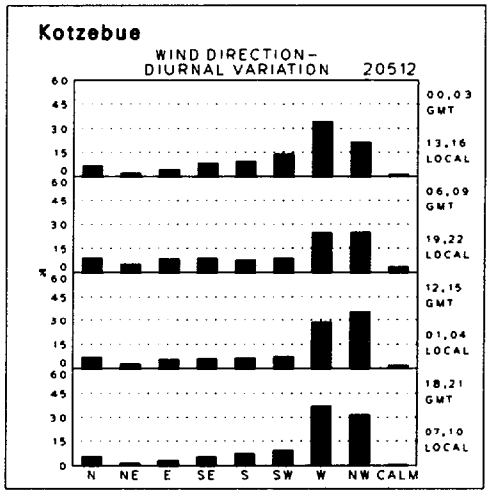
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 20512
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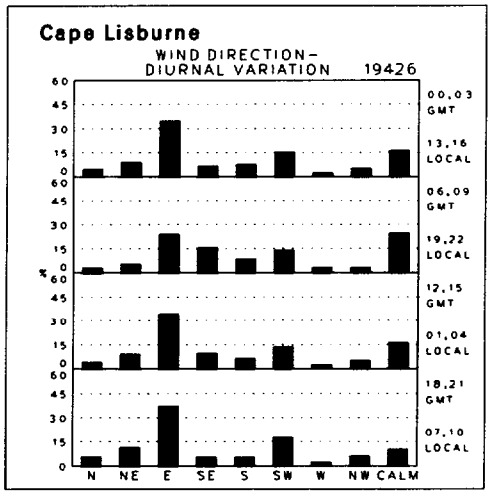
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 19426
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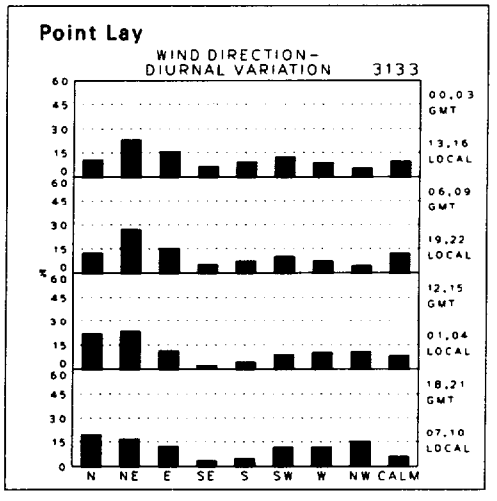
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3133
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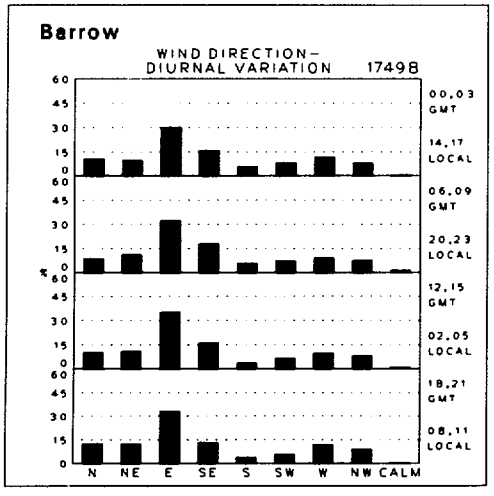
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION-
DIURNAL VARIATION 17498
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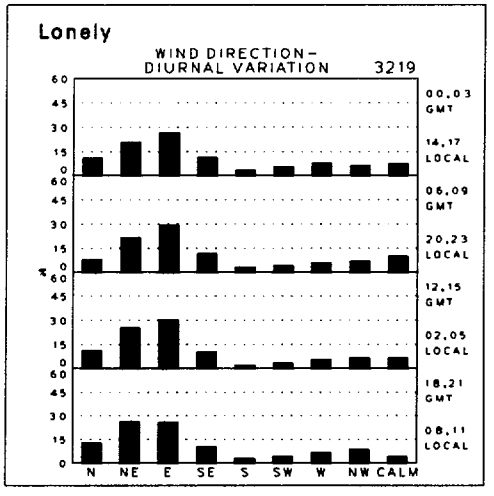
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION-
DIURNAL VARIATION 3219
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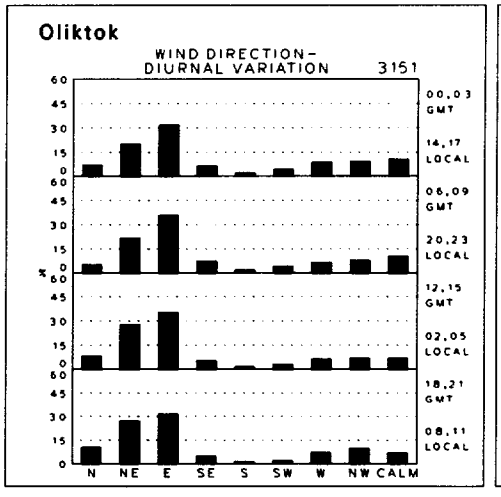
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3151
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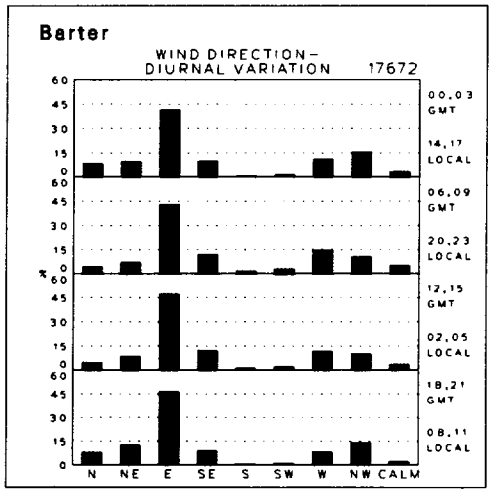
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION-
DIURNAL VARIATION 17672
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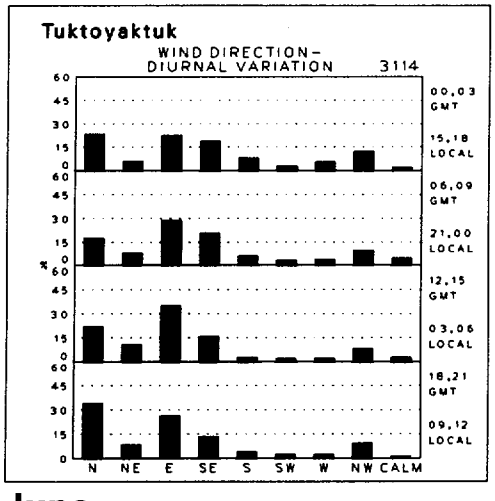
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3114
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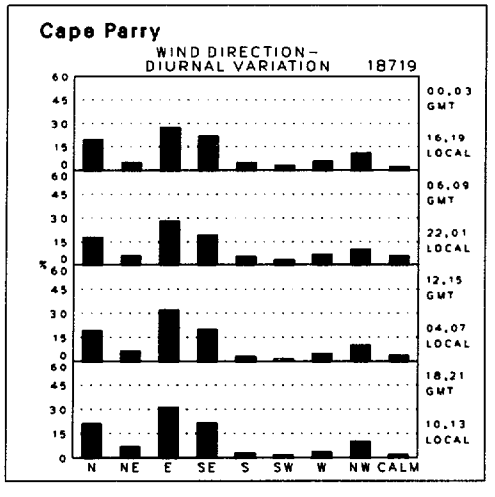
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 18719
00,03 GMT
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06,09 GMT
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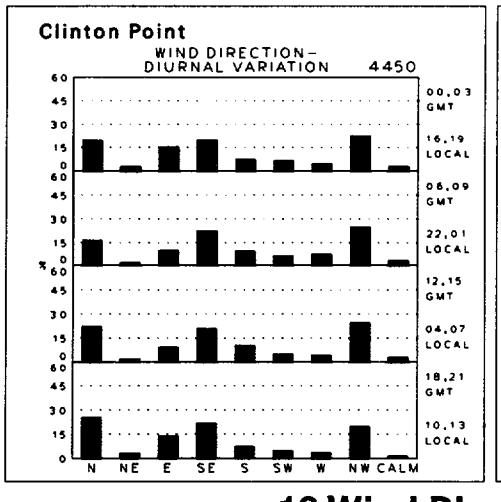
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4450
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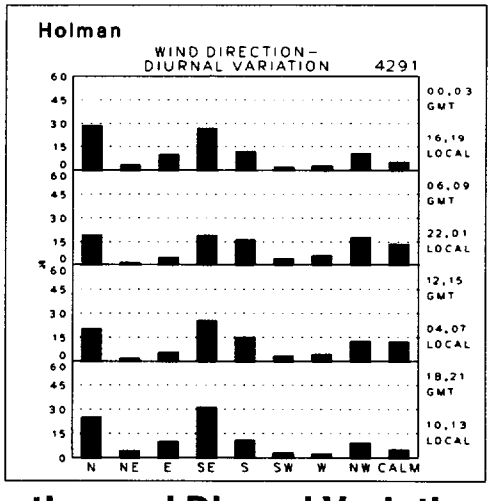
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION-
DIURNAL VARIATION 4291
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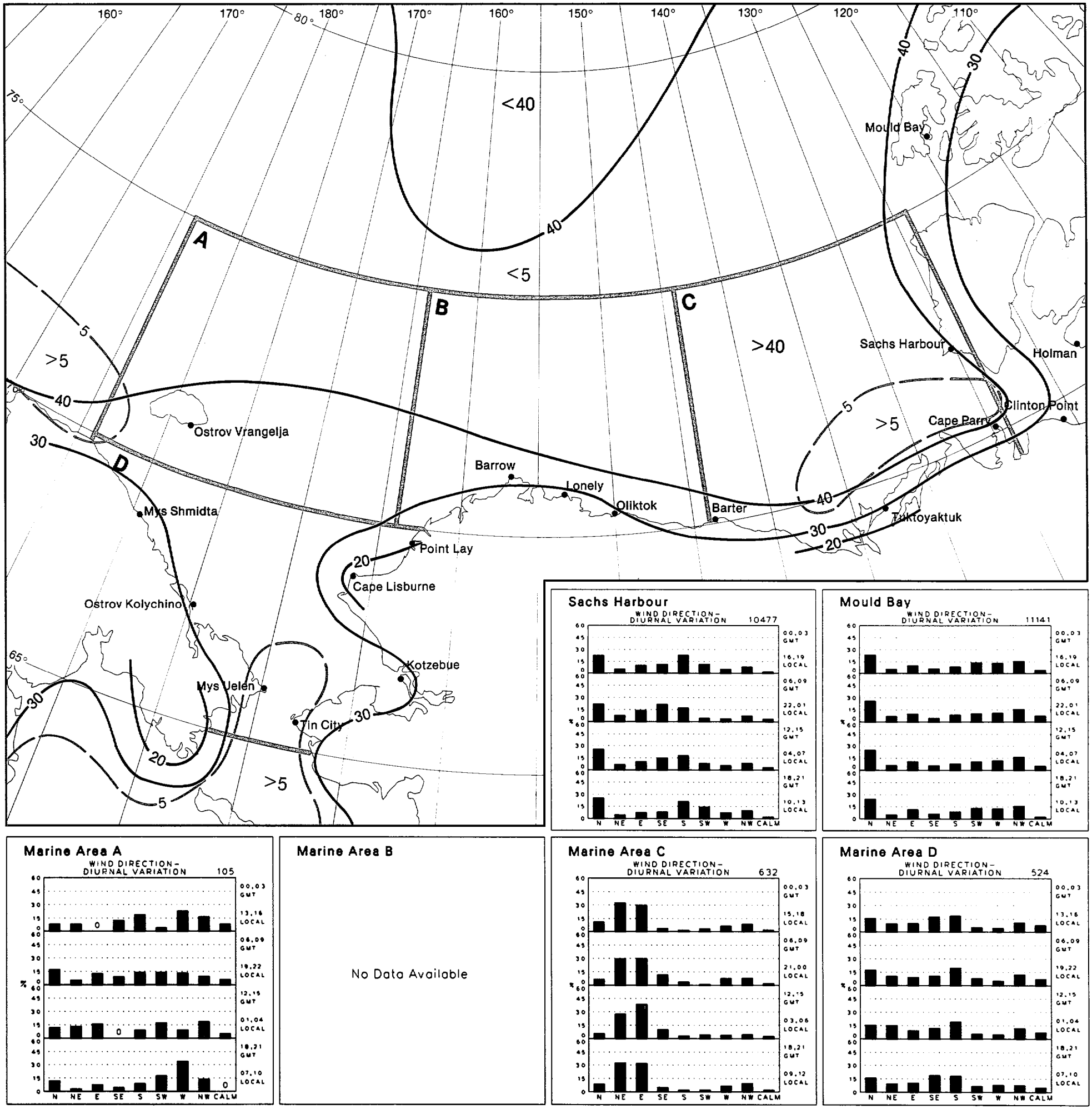
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


160°
170°
80°
180°
170°
160°
150°
140°
130°
120°
110°
75°
65°
<40
40
<5
>40
>5
5
30
20
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Jelen
Tin City
Sachs Harbour
WIND DIRECTION-
DIURNAL VARIATION
10477
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16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM
Mould Bay
WIND DIRECTION-
DIURNAL VARIATION
11141
Marine Area A
WIND DIRECTION-
DIURNAL VARIATION
105
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
Marine Area B
No Data Available
Marine Area C
WIND DIRECTION-
DIURNAL VARIATION
632
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
Marine Area D
WIND DIRECTION-
DIURNAL VARIATION
524
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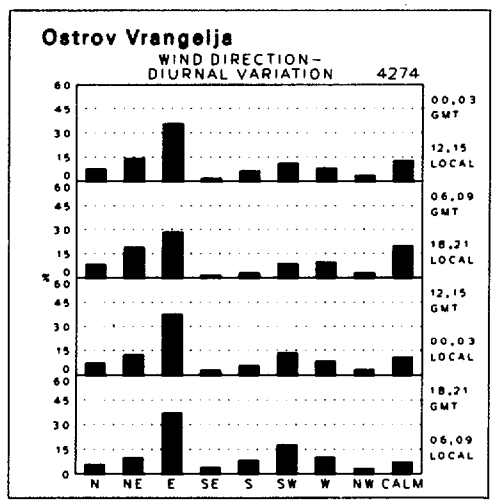
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL


Ostrov Vrangelja
WIND DIRECTION–
DIURNAL VARIATION 4274
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18,21 GMT
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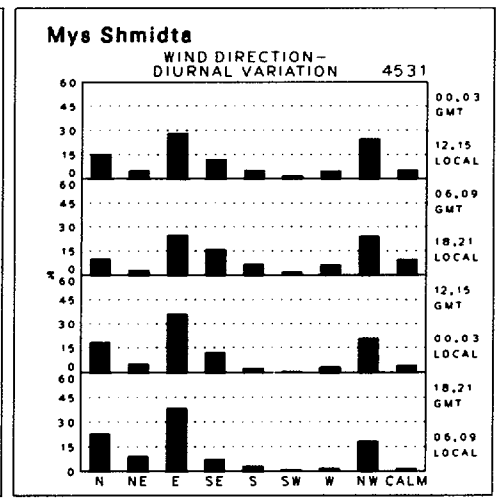
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION–
DIURNAL VARIATION 4531
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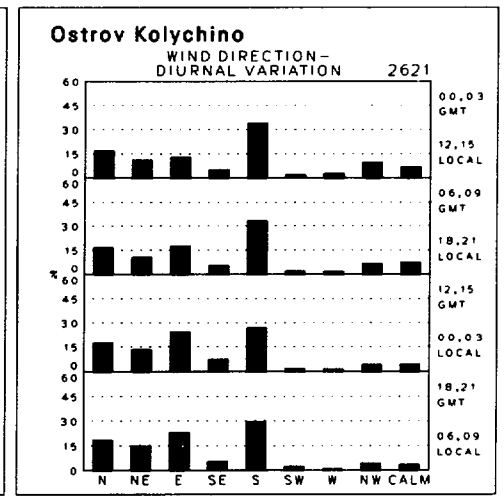
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION–
DIURNAL VARIATION 2621
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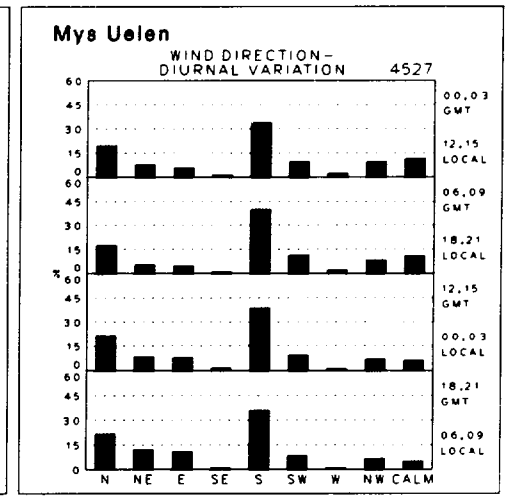
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION–
DIURNAL VARIATION 4527
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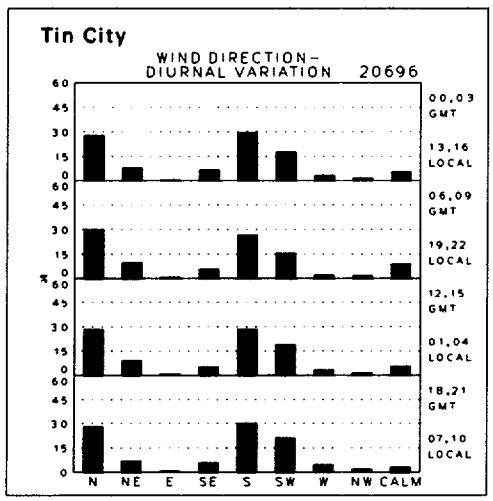
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION–
DIURNAL VARIATION 20696
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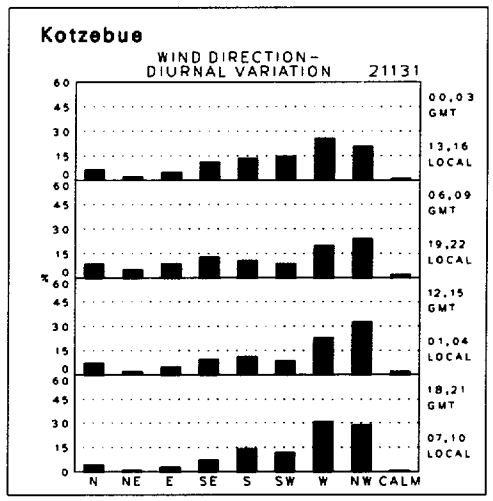
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION–
DIURNAL VARIATION 21131
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19,22 LOCAL
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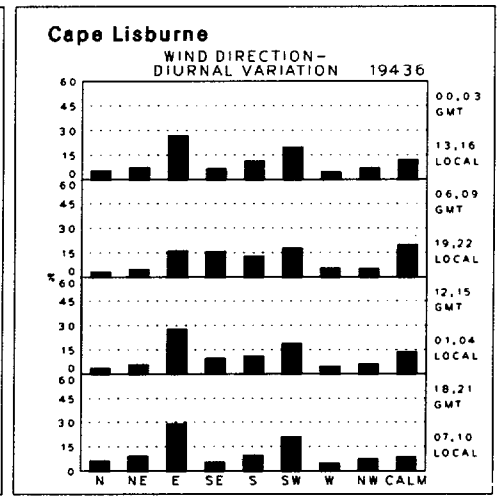
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION–
DIURNAL VARIATION 19436
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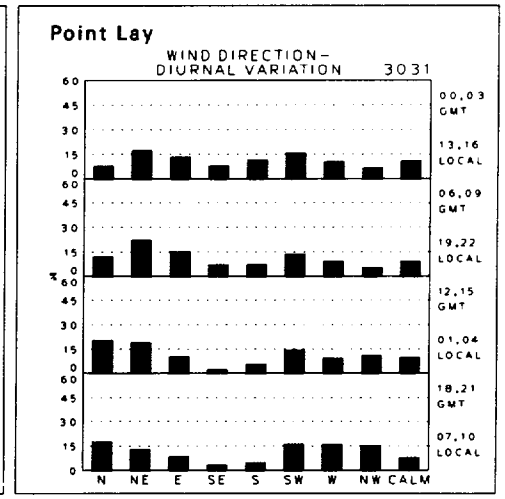
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION–
DIURNAL VARIATION 3031
00,03 GMT
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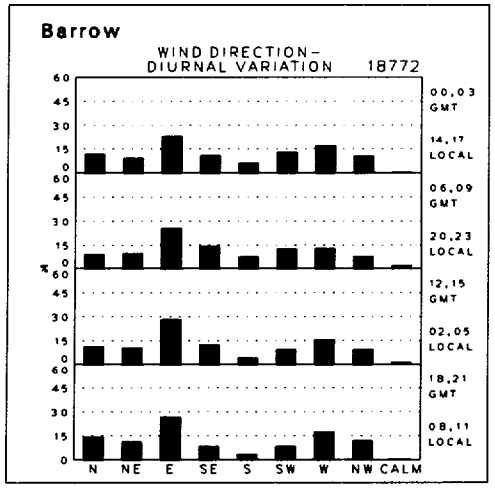
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION–
DIURNAL VARIATION 18772
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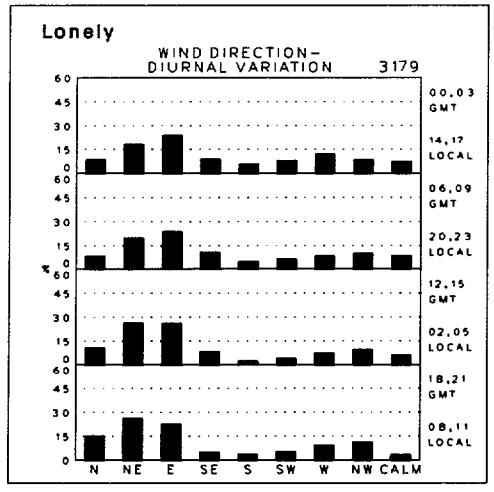
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION–
DIURNAL VARIATION 3179
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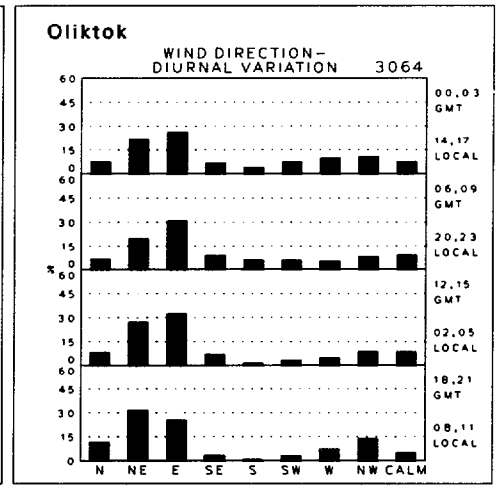
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION–
DIURNAL VARIATION 3064
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02,05 LOCAL
18,21 GMT
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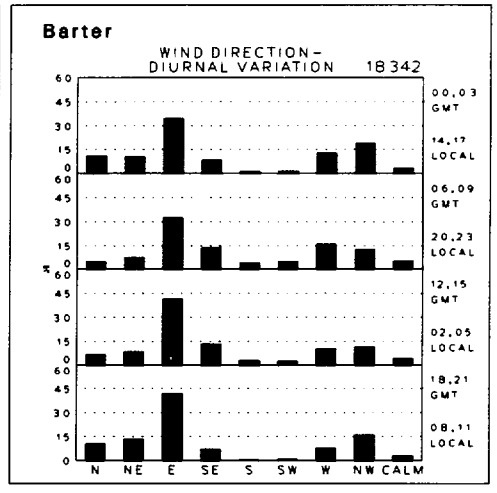
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION–
DIURNAL VARIATION 18342
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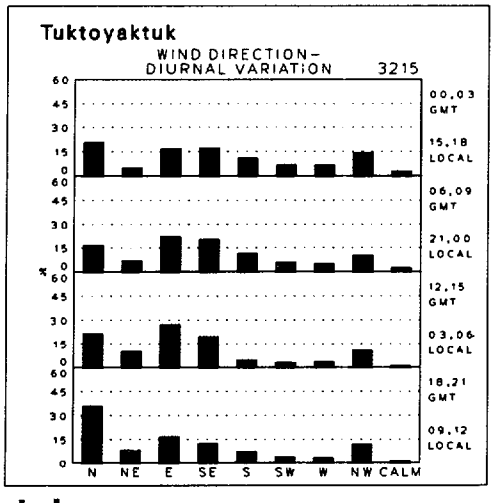
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION–
DIURNAL VARIATION 3215
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06,09 GMT
21,00 LOCAL
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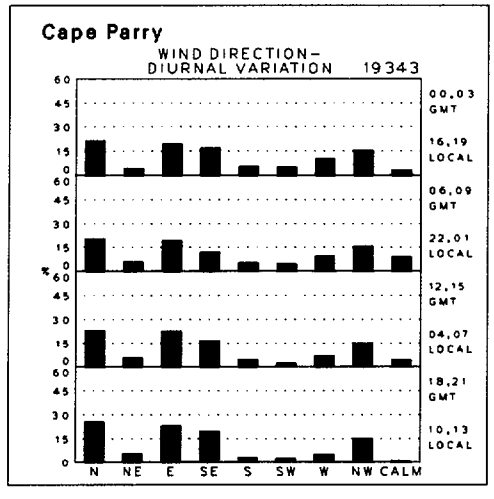
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION–
DIURNAL VARIATION 19343
00,03 GMT
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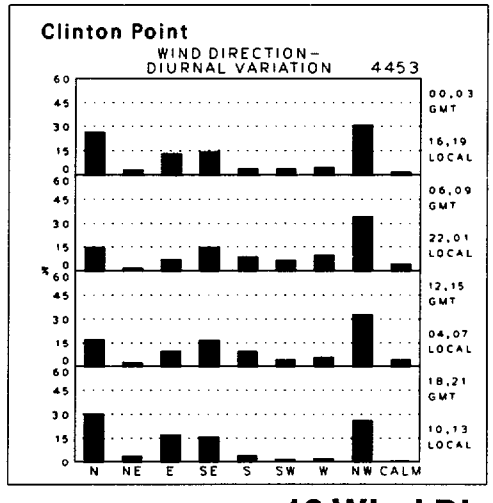
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION–
DIURNAL VARIATION 4453
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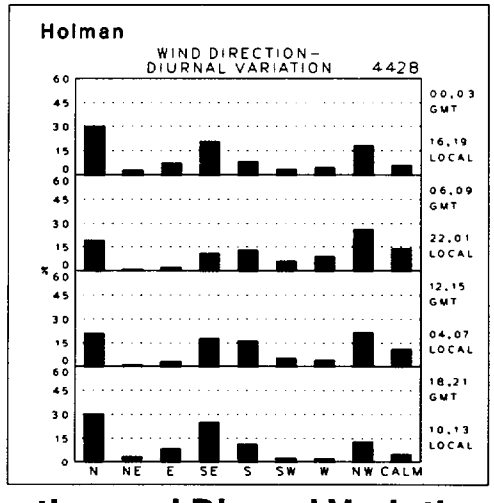
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION–
DIURNAL VARIATION 4428
00,03 GMT
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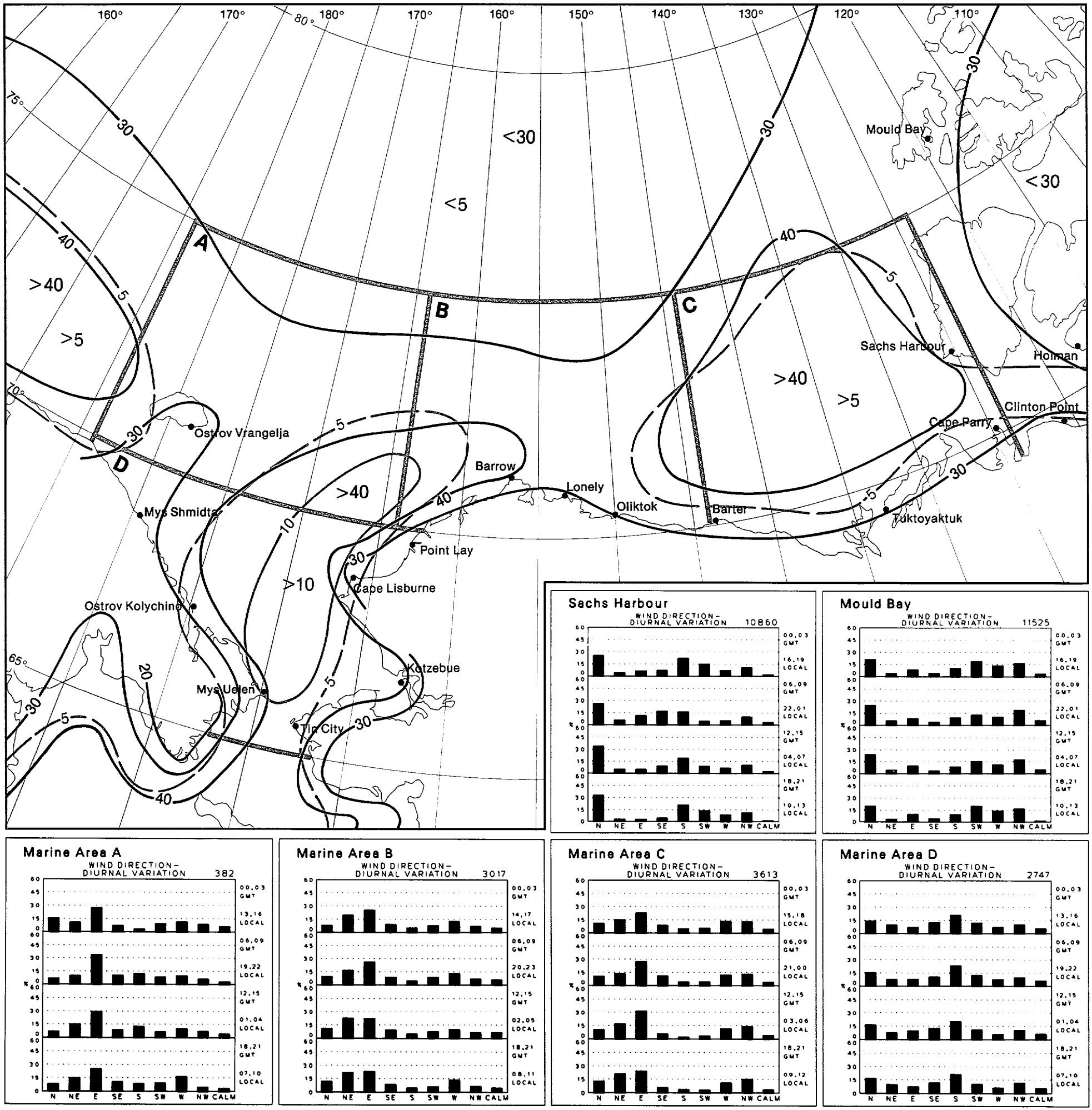
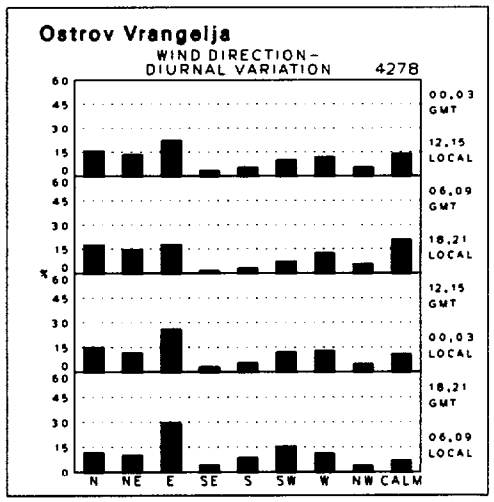
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM



12 Wind Speed 11-21 and 22-33 Knots **July**


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4278
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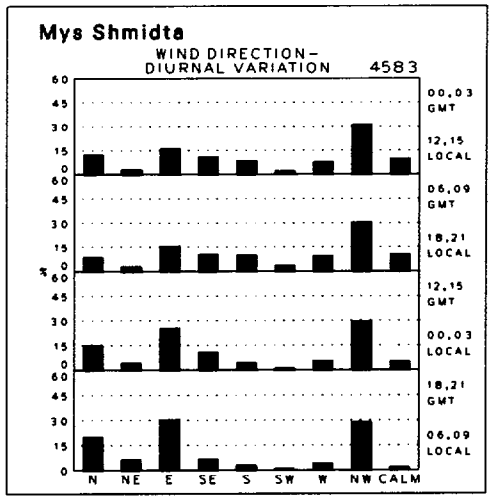
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4583
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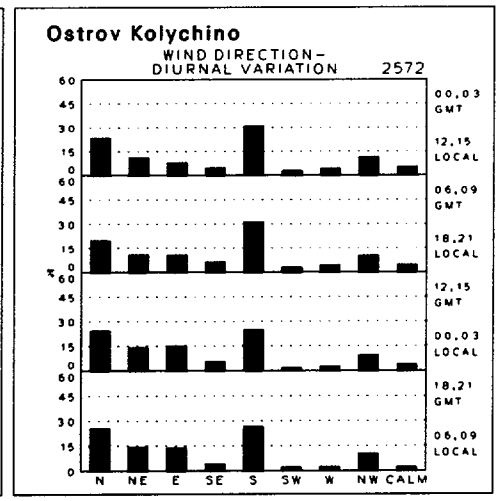
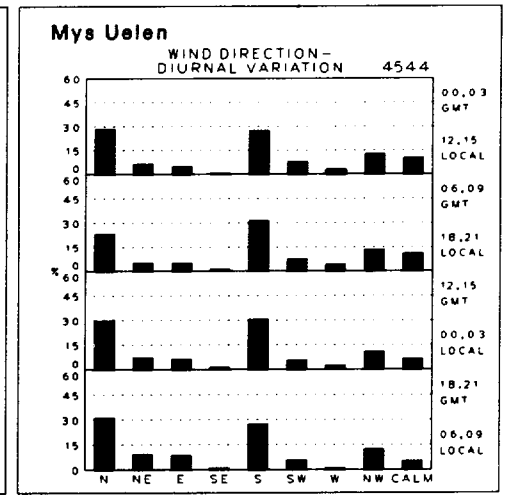
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2572
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4544
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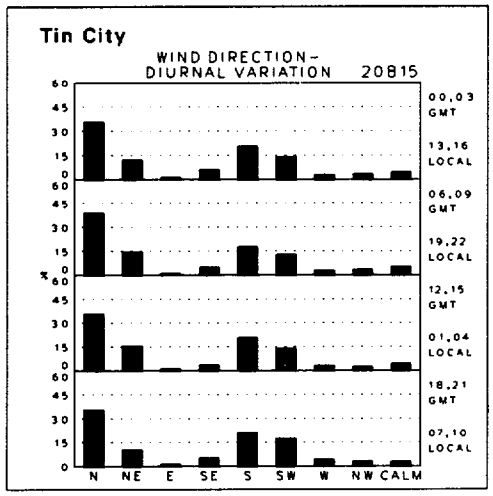
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 20815
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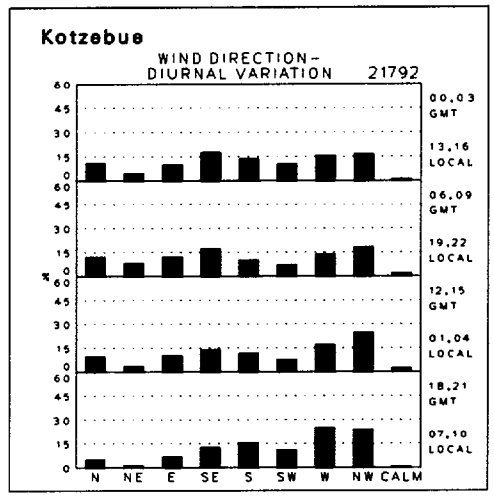
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21792
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13,16 LOCAL
06,09 GMT
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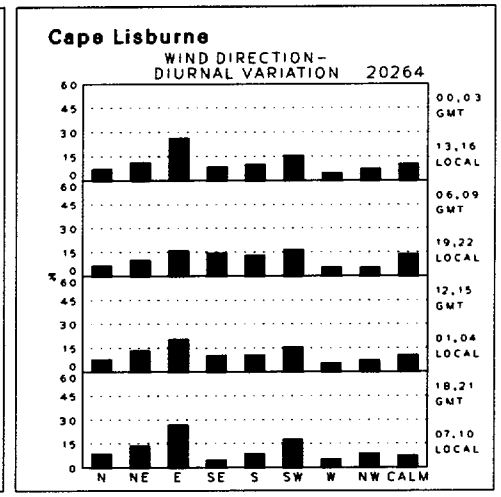
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 20264
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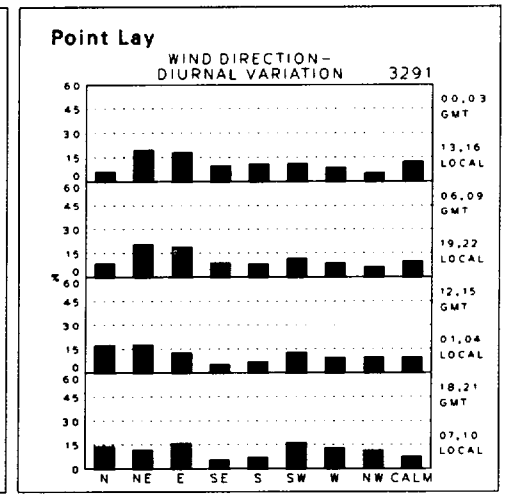
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3291
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19,22 LOCAL
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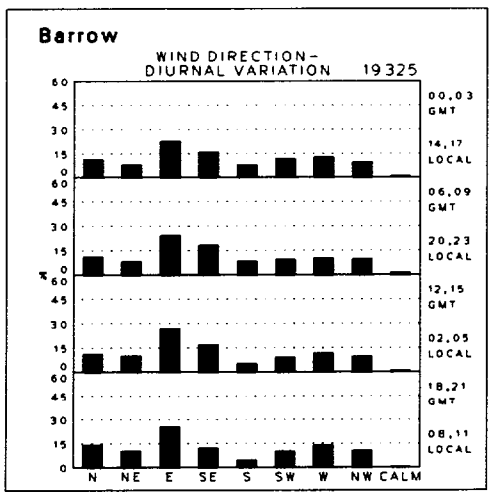
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION-
DIURNAL VARIATION 19325
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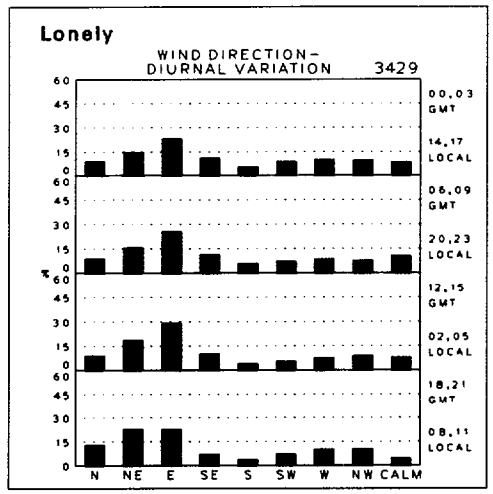
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION-
DIURNAL VARIATION 3429
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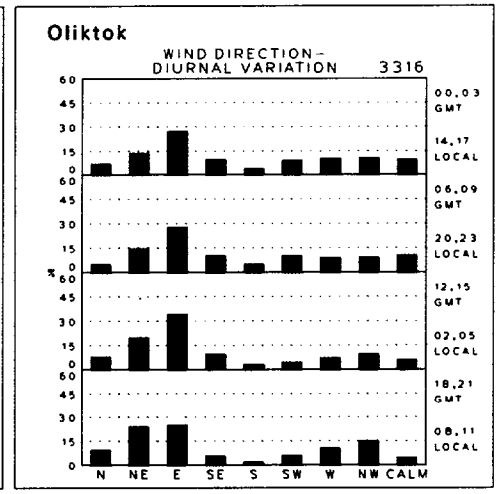
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3316
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06,09 GMT
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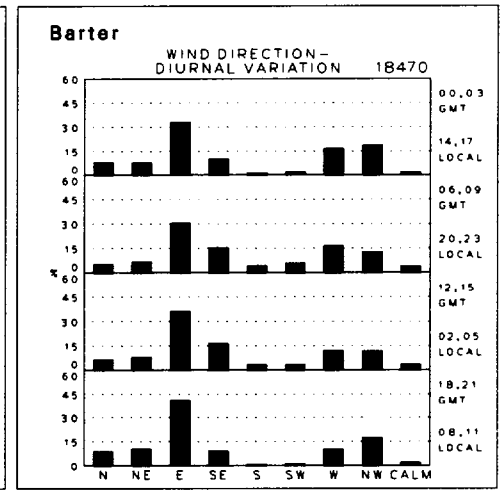
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION-
DIURNAL VARIATION 18470
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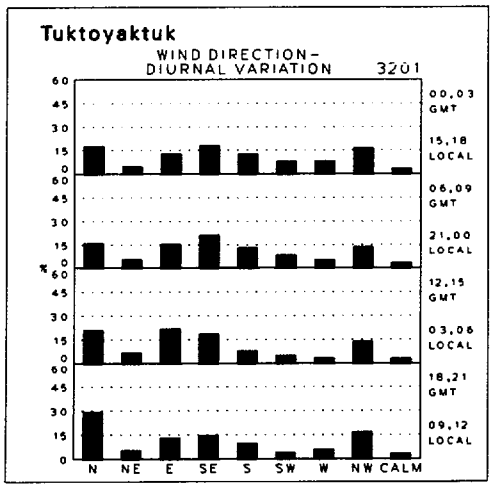
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3201
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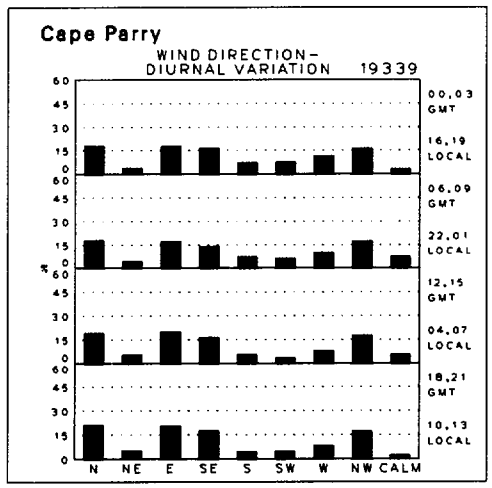
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 19339
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22,01 LOCAL
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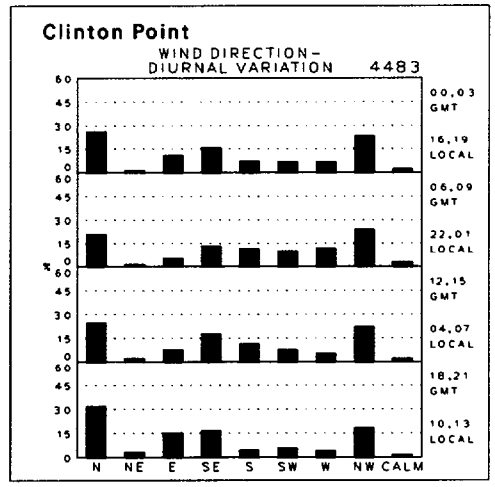
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4483
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16,19 LOCAL
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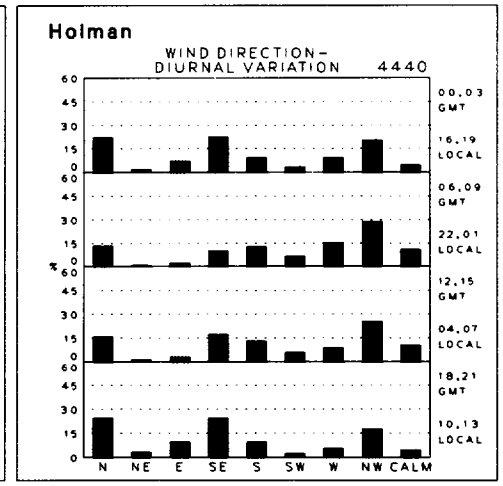
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION-
DIURNAL VARIATION 4440
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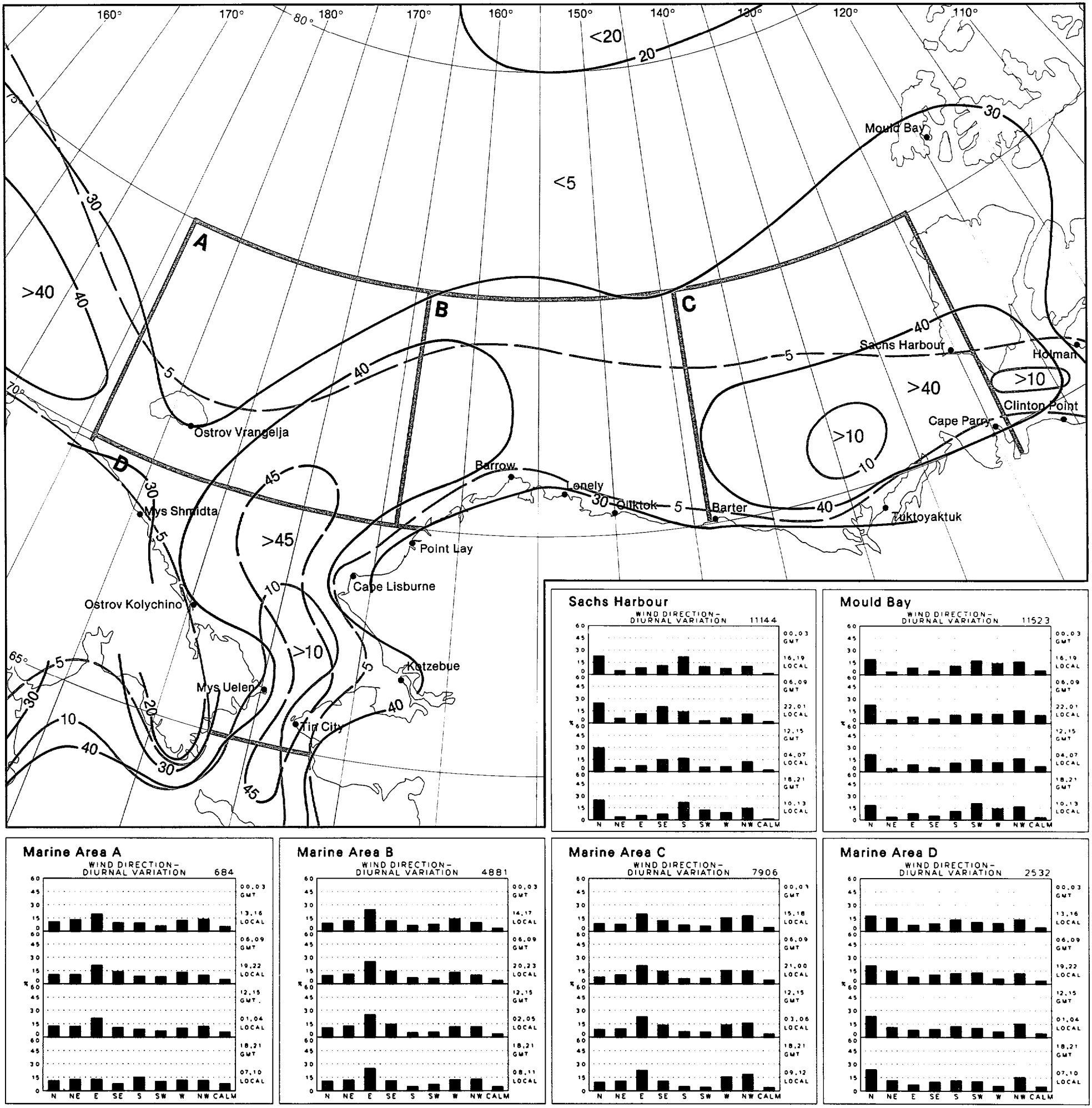
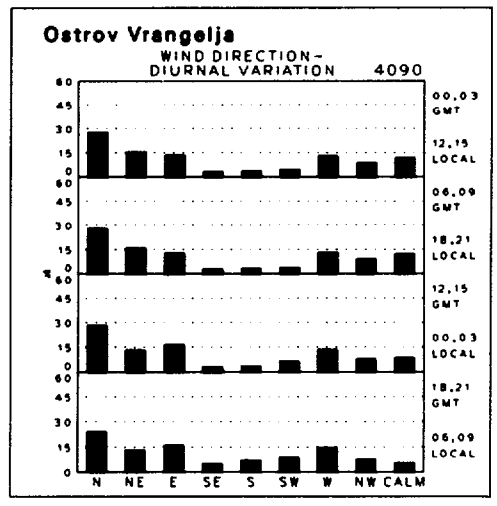
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
70°
65°
<20
20
<5
30
40
5
>40
>45
>10
10
45
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
WIND DIRECTION-
DIURNAL VARIATION
11144
Mould Bay
WIND DIRECTION-
DIURNAL VARIATION
11523
Marine Area A
WIND DIRECTION-
DIURNAL VARIATION
684
Marine Area B
WIND DIRECTION-
DIURNAL VARIATION
4881
Marine Area C
WIND DIRECTION-
DIURNAL VARIATION
7906
Marine Area D
WIND DIRECTION-
DIURNAL VARIATION
2532
N NE E SE S SW W NW CALM


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4090
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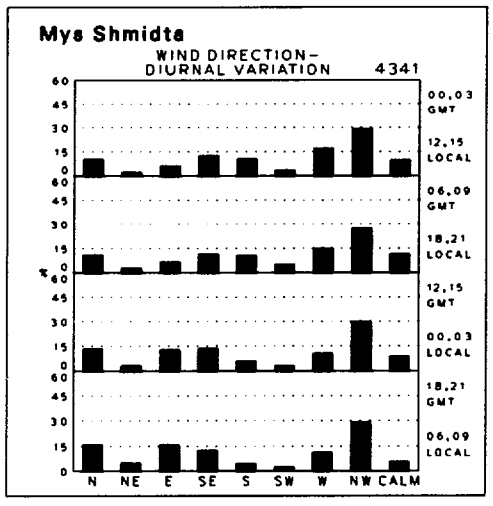
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4341
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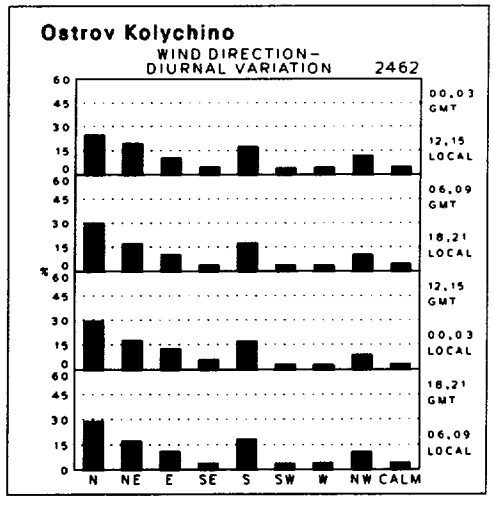
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2462
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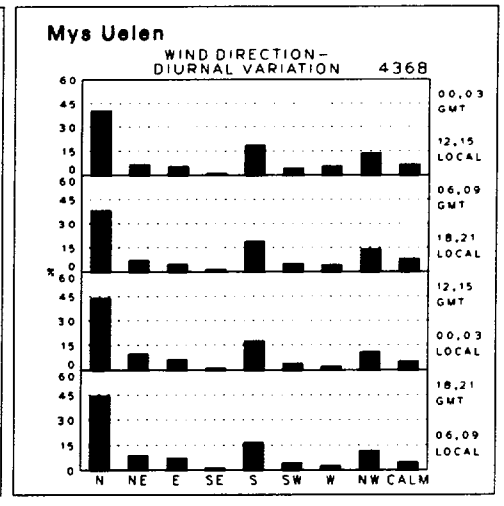
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4368
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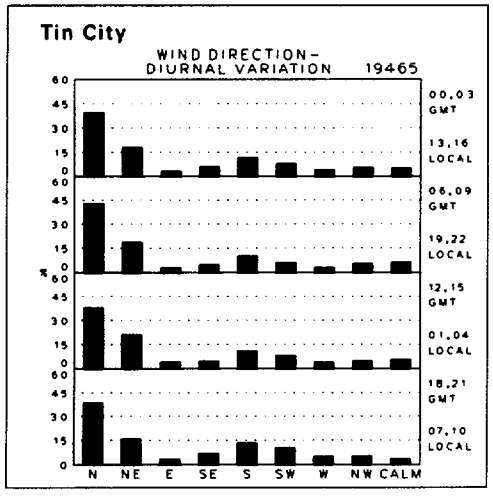
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 19465
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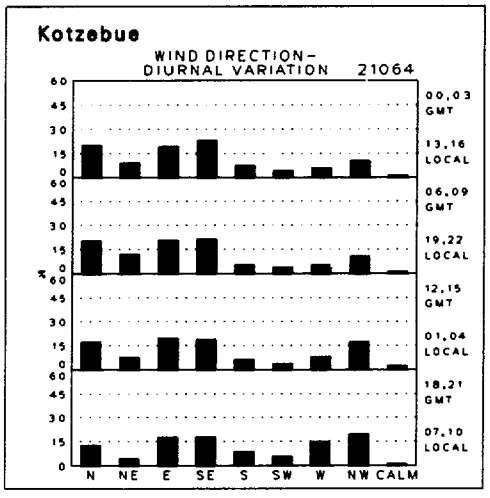
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21064
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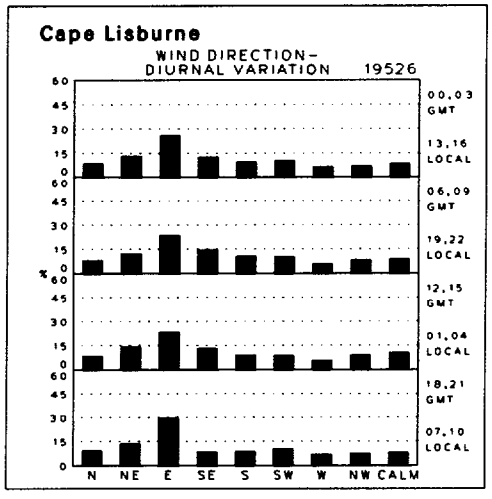
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 19526
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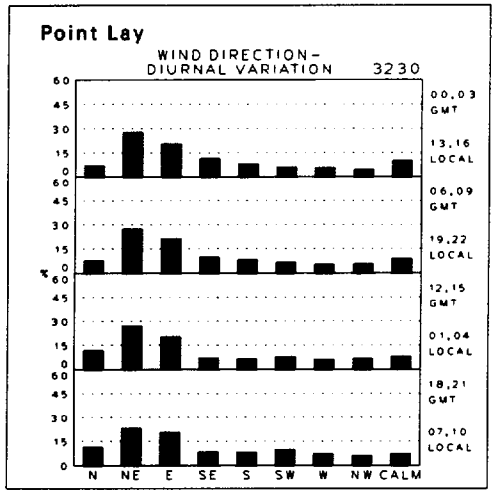
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3230
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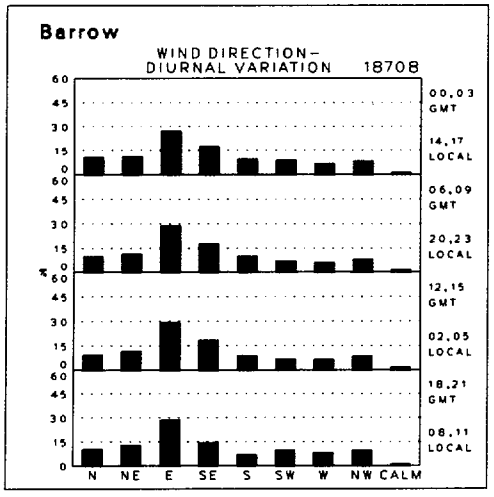
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION-
DIURNAL VARIATION 18708
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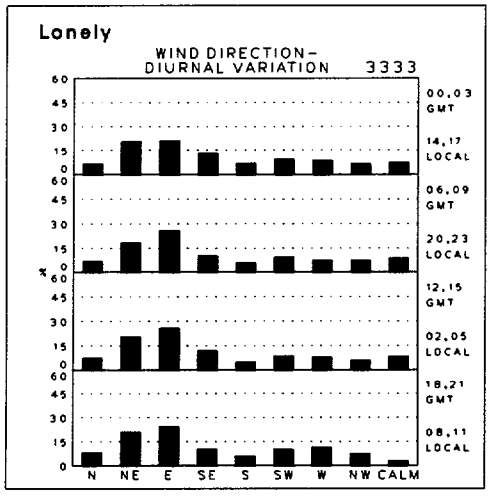
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION-
DIURNAL VARIATION 3333
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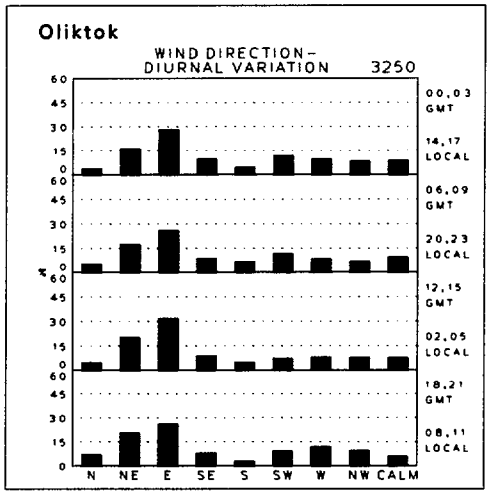
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3250
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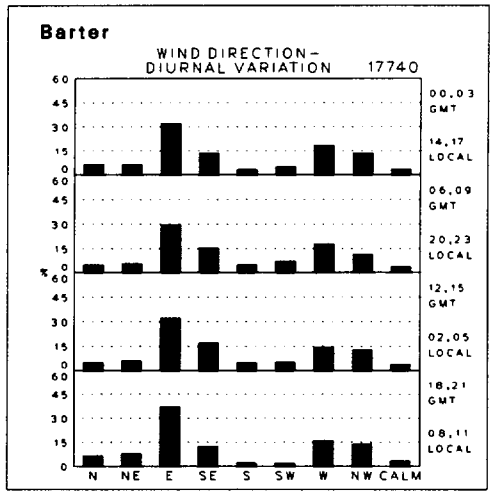
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION-
DIURNAL VARIATION 17740
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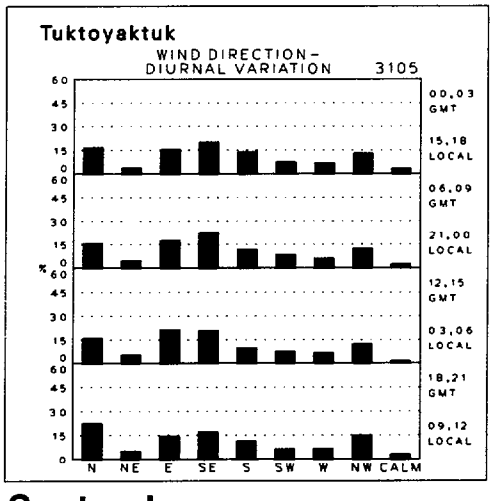
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3105
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18,21 GMT
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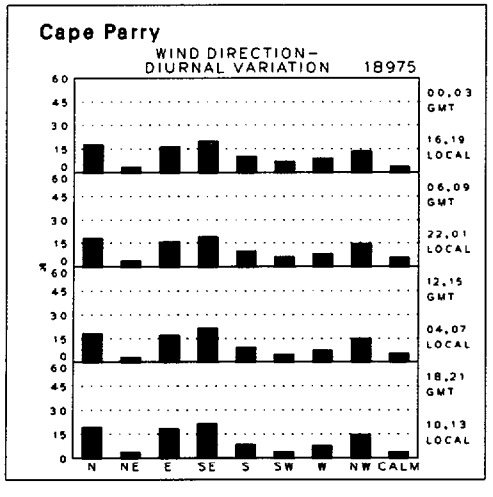
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 18975
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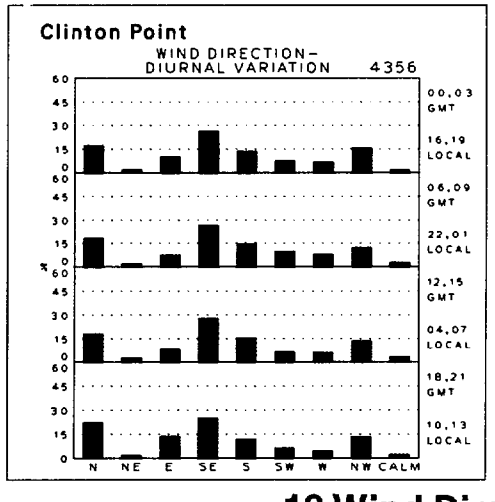
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4356
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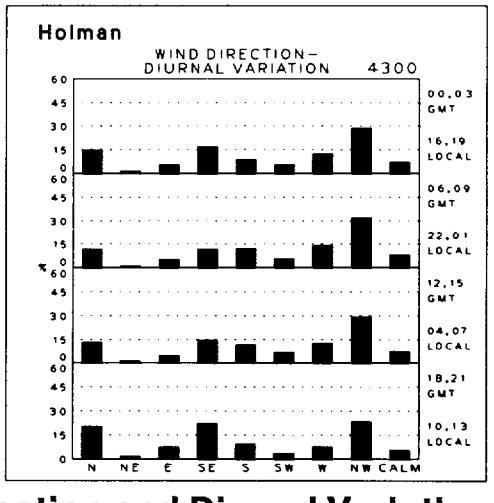
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION-
DIURNAL VARIATION 4300
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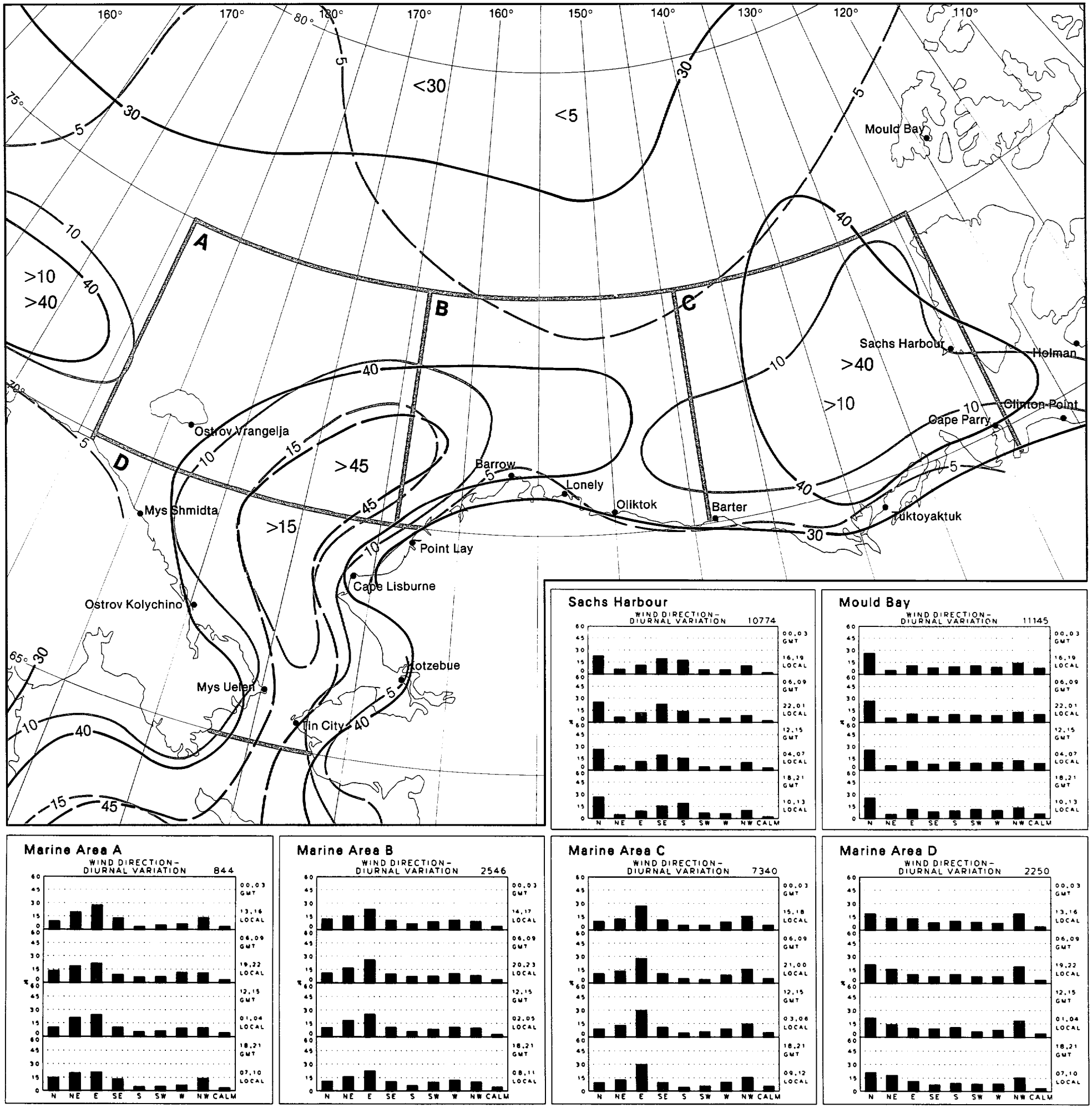
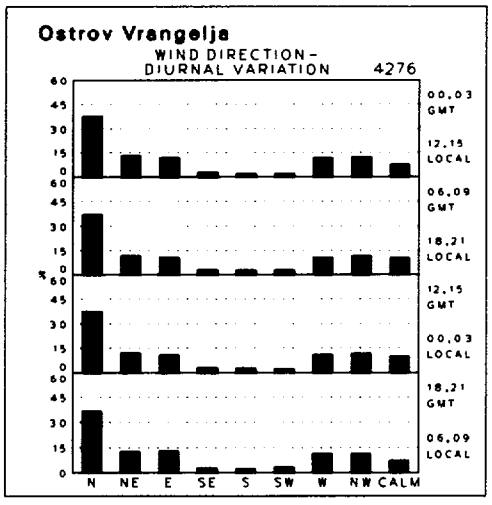
N NE E SE S SW W NW CALM



12 Wind Speed 11-21 and 22-33 Knots **September**


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4276
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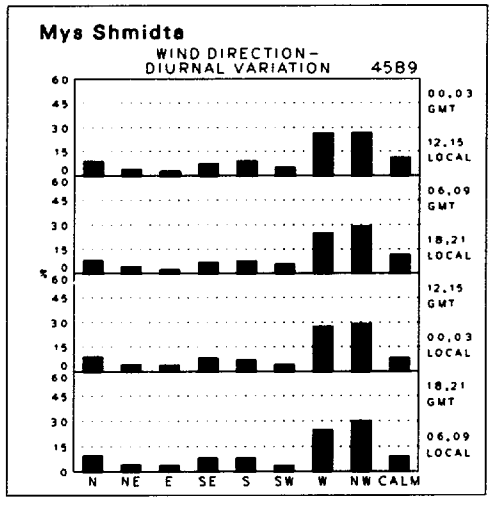
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4589
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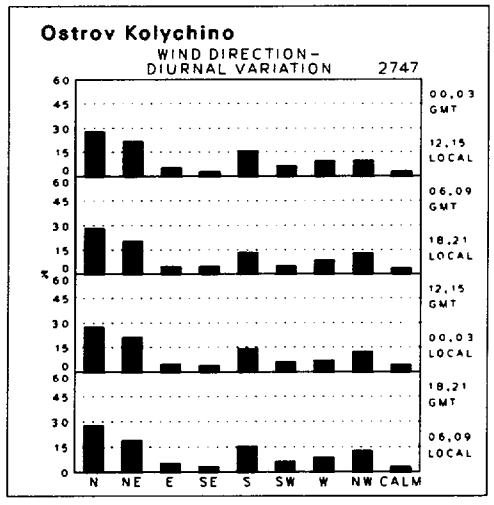
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2747
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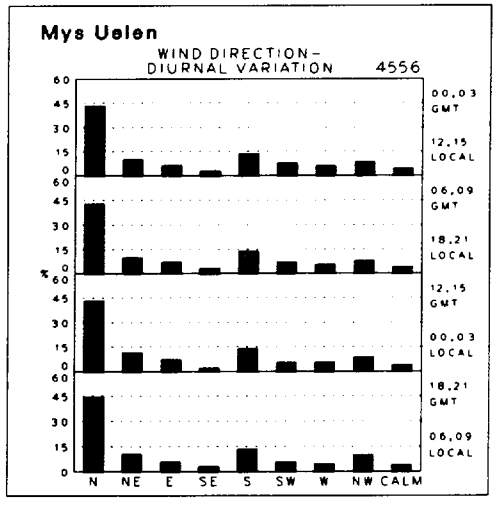
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4556
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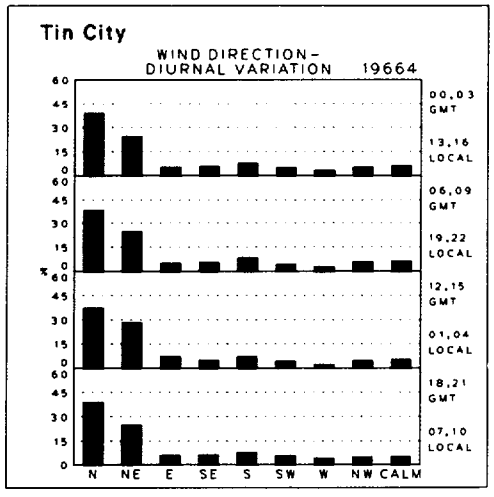
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 19664
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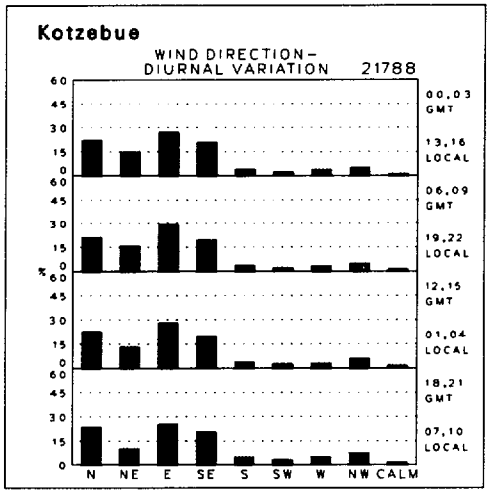
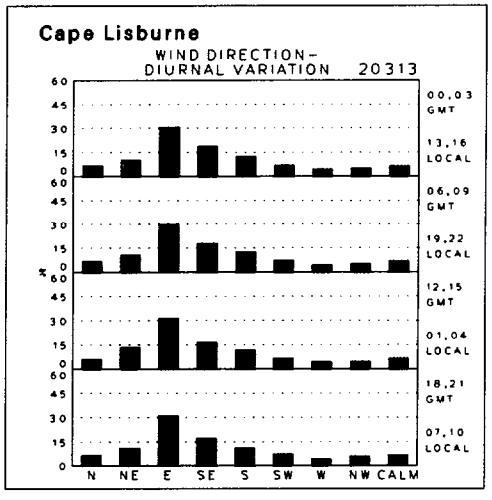
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21788
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 20313
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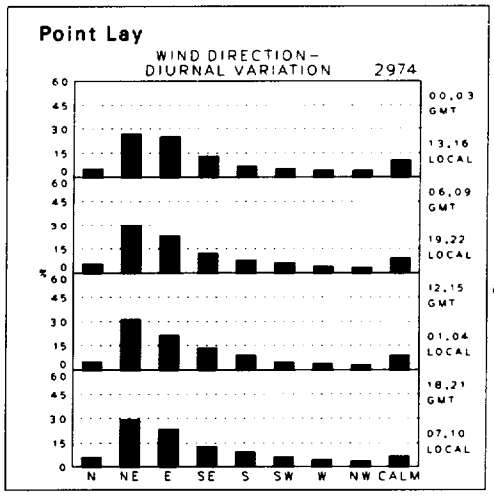
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION-
DIURNAL VARIATION 2974
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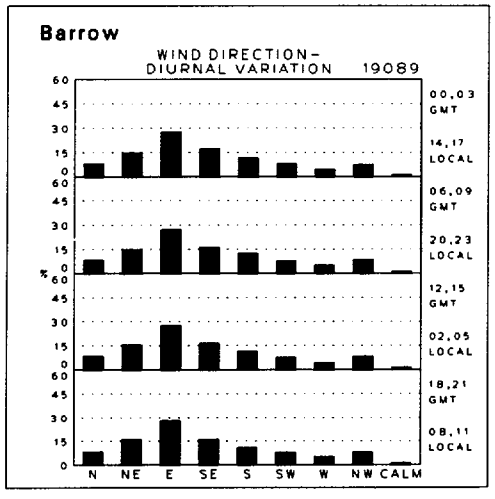
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION-
DIURNAL VARIATION 19089
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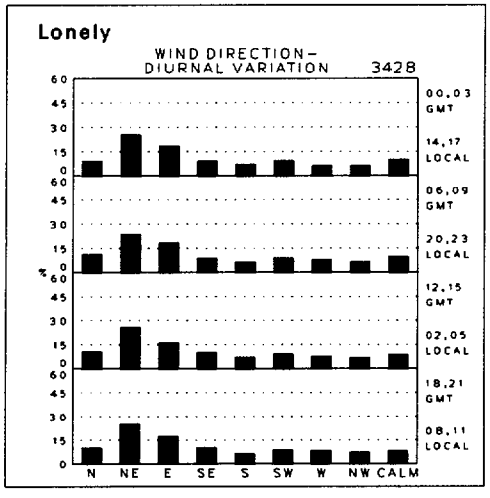
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION-
DIURNAL VARIATION 3428
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06,09 GMT
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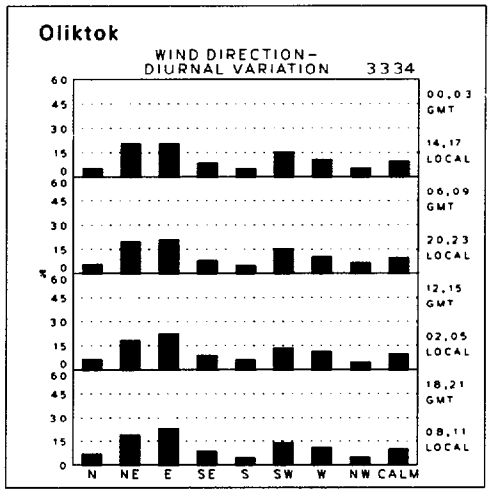
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3334
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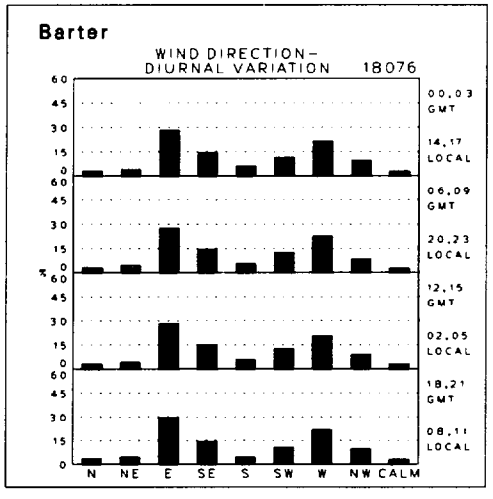
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION-
DIURNAL VARIATION 18076
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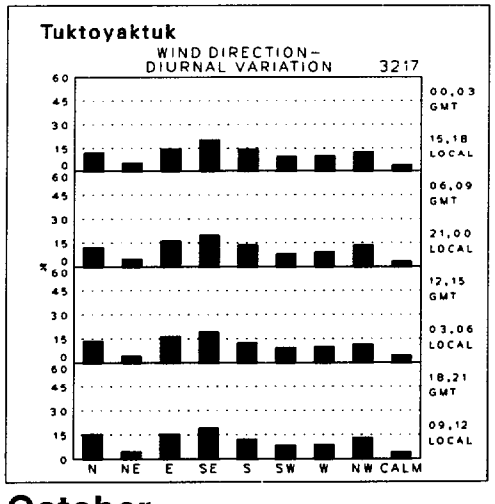
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3217
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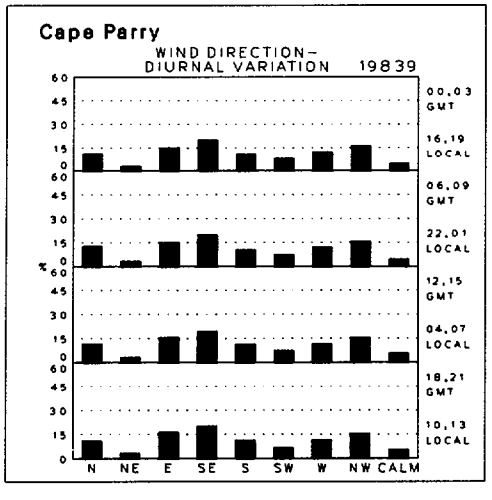
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 19839
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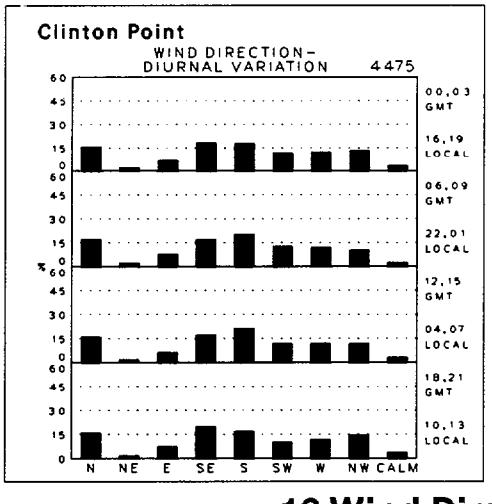
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4475
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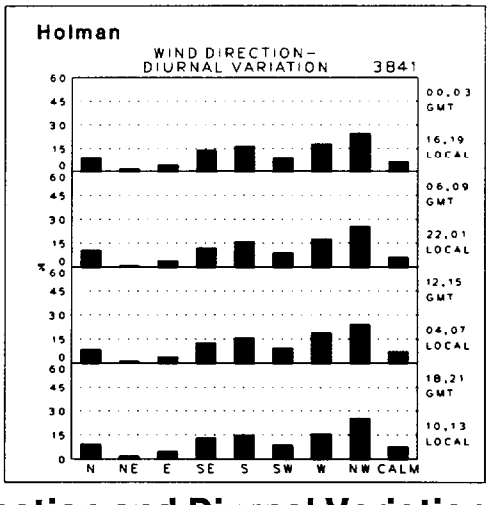
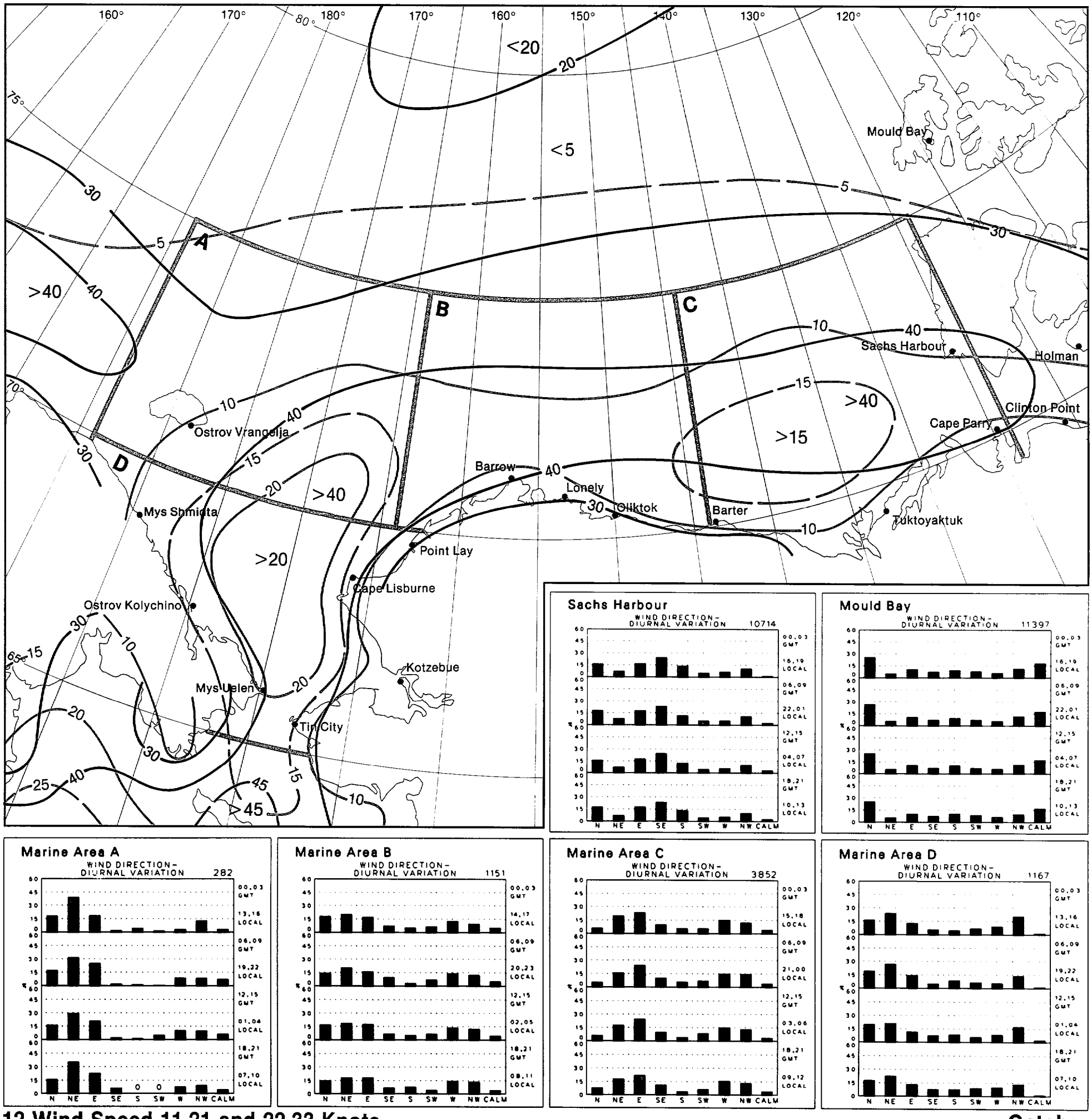
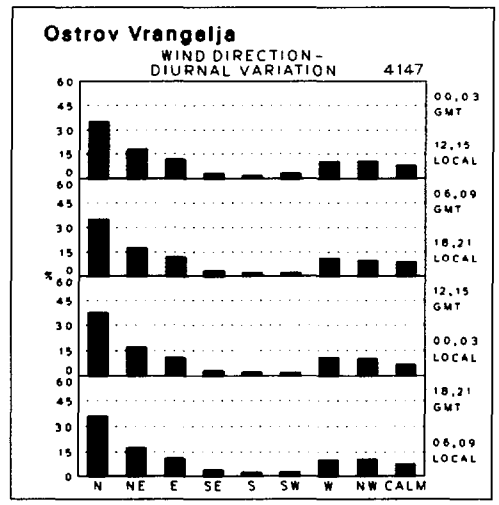
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM

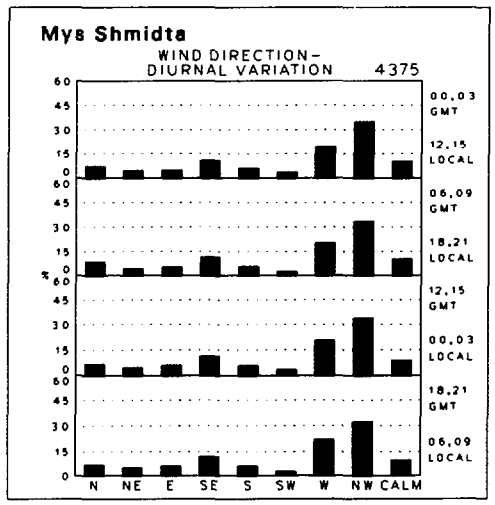

Holman
WIND DIRECTION-
DIURNAL VARIATION 3841
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM



12 Wind Speed 11-21 and 22-33 Knots

October


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4147
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4375
00,03 GMT
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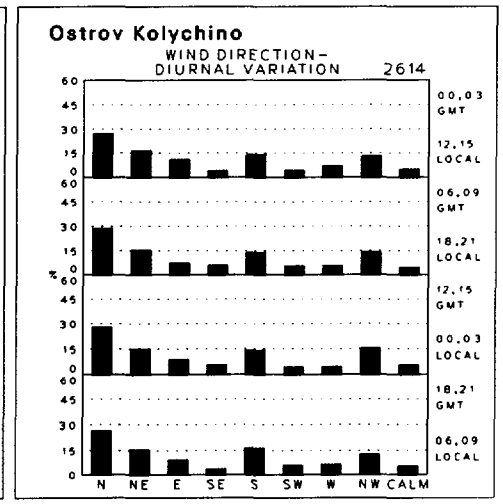
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2614
00,03 GMT
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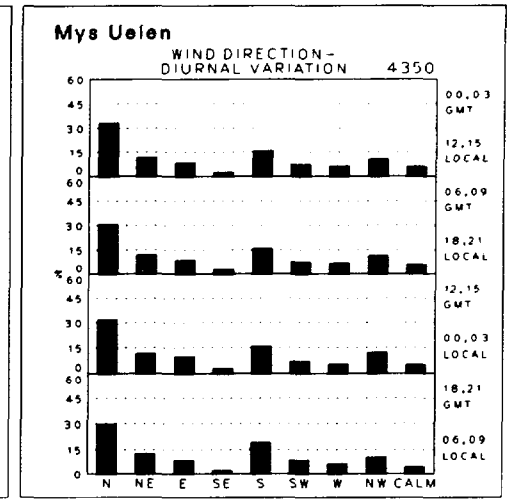
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4350
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18,21 LOCAL
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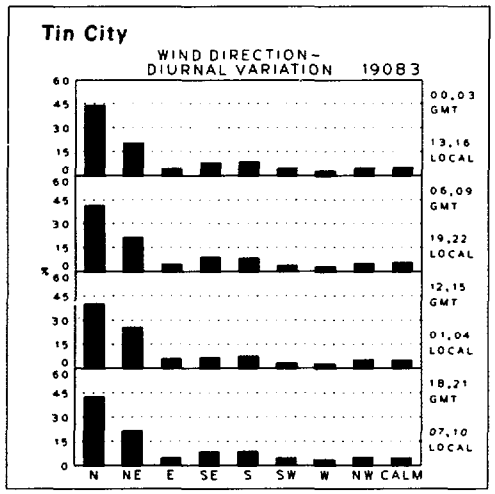
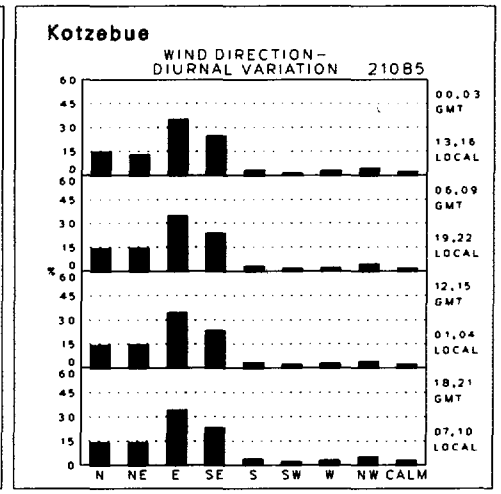
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 19083
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21085
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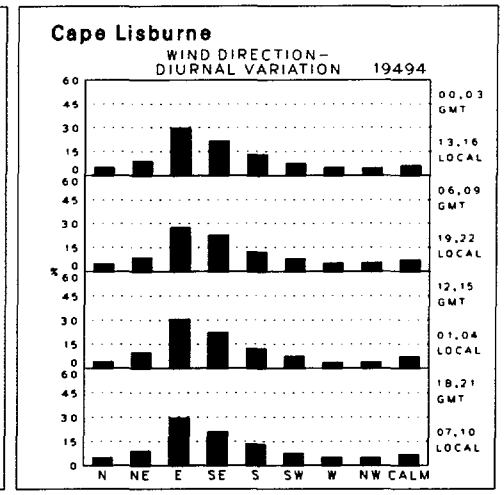
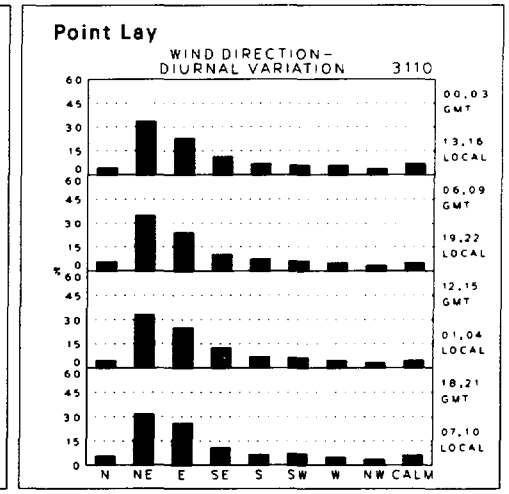
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 19494
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3110
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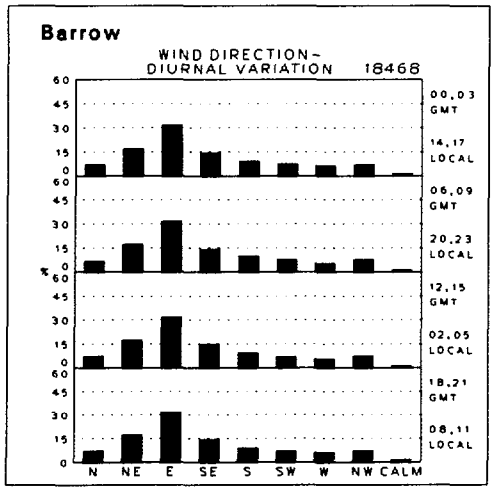
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Barrow
WIND DIRECTION-
DIURNAL VARIATION 18468
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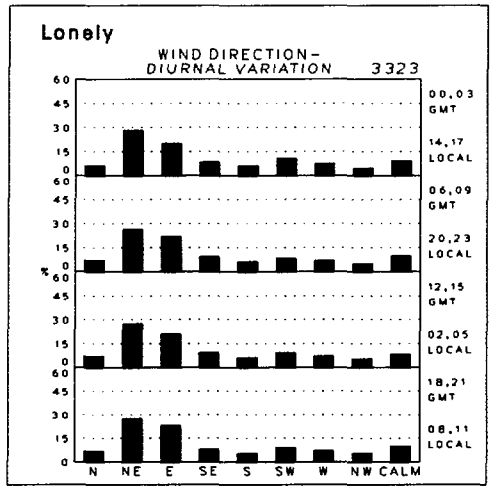
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Lonely
WIND DIRECTION-
DIURNAL VARIATION 3323
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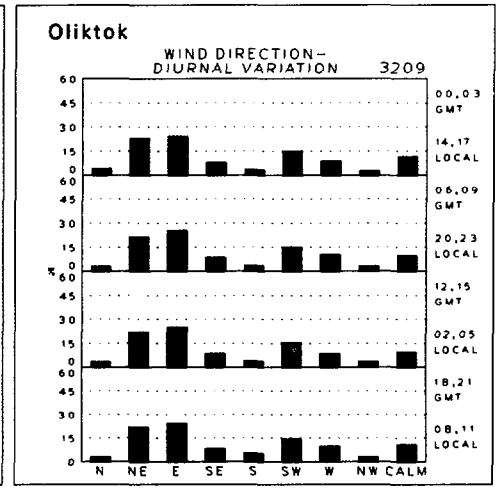
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3209
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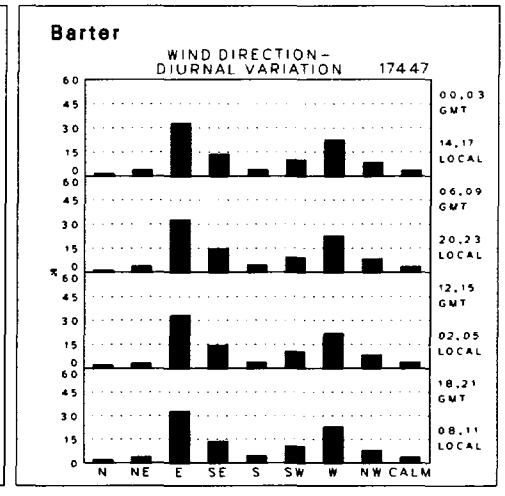
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Barter
WIND DIRECTION-
DIURNAL VARIATION 17447
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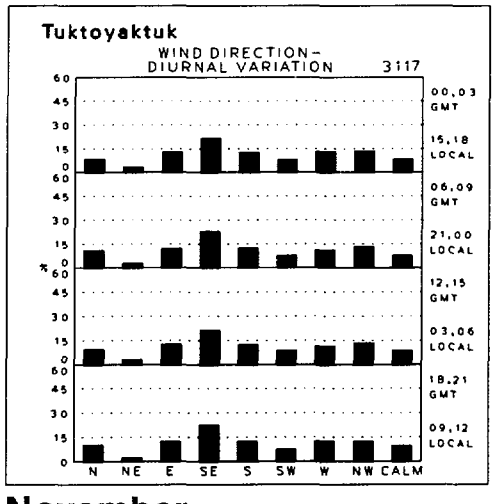
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3117
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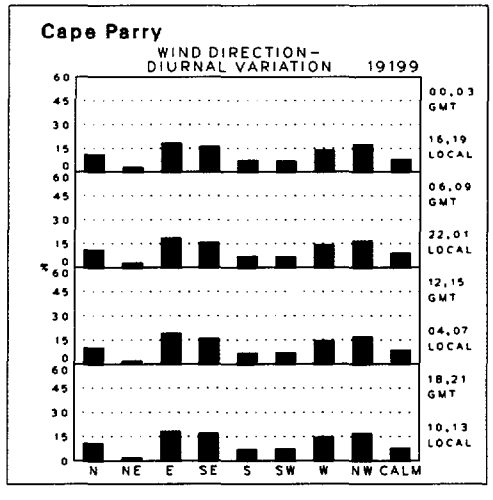
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 19199
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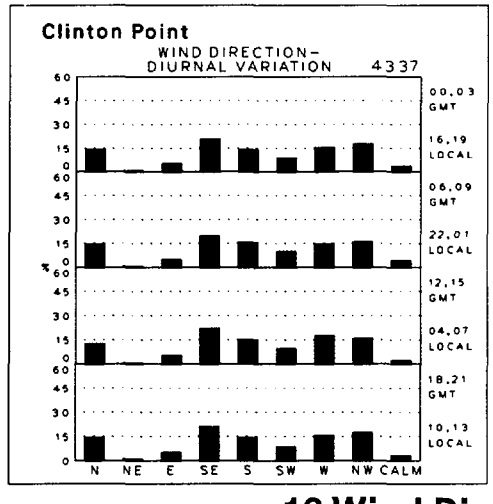
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4337
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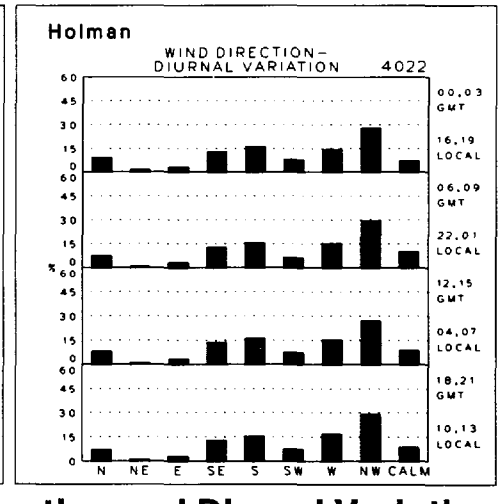
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION-
DIURNAL VARIATION 4022
00,03 GMT
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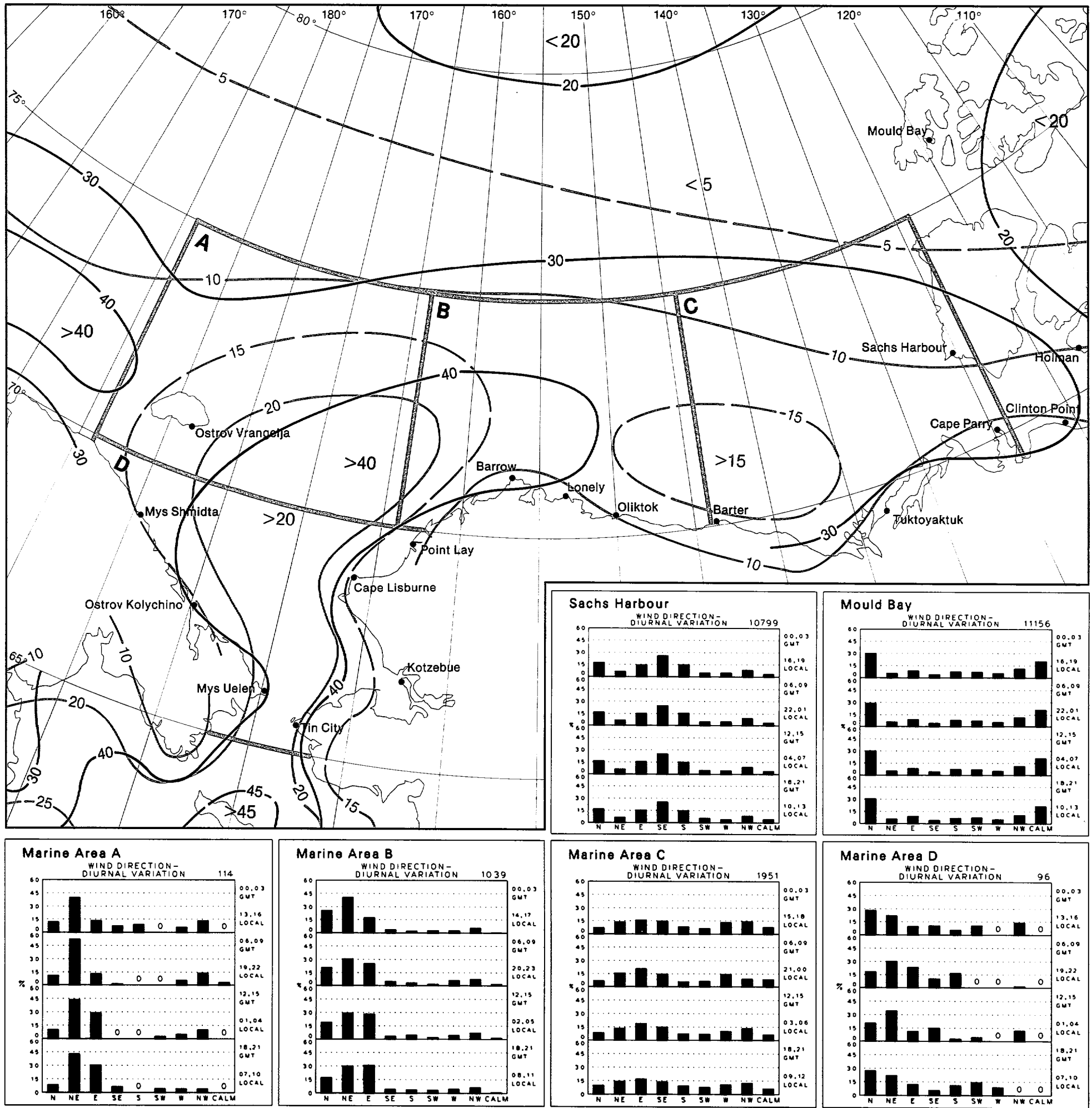
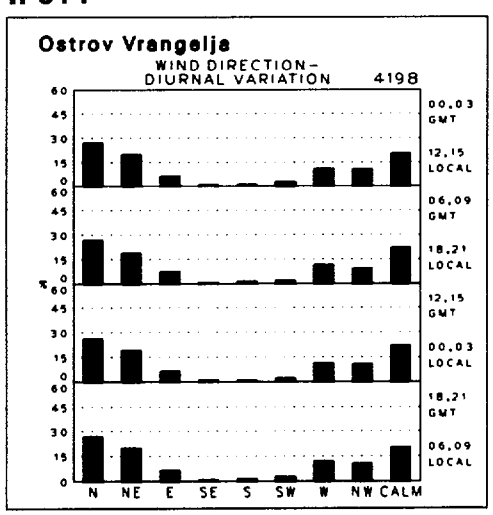
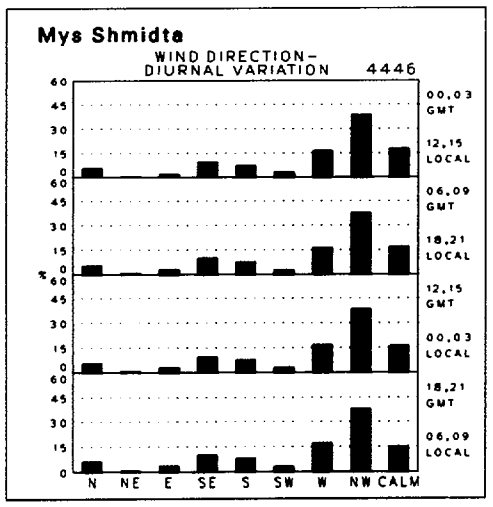
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
WIND DIRECTION-DIURNAL VARIATION 10799
Mould Bay
WIND DIRECTION-DIURNAL VARIATION 11156
Marine Area A
WIND DIRECTION-DIURNAL VARIATION 114
Marine Area B
WIND DIRECTION-DIURNAL VARIATION 1039
Marine Area C
WIND DIRECTION-DIURNAL VARIATION 1951
Marine Area D
WIND DIRECTION-DIURNAL VARIATION 96
N NE E SE S SW W NW CALM


Ostrov Vrangelja
WIND DIRECTION-
DIURNAL VARIATION 4198
00,03 GMT
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Shmidta
WIND DIRECTION-
DIURNAL VARIATION 4446
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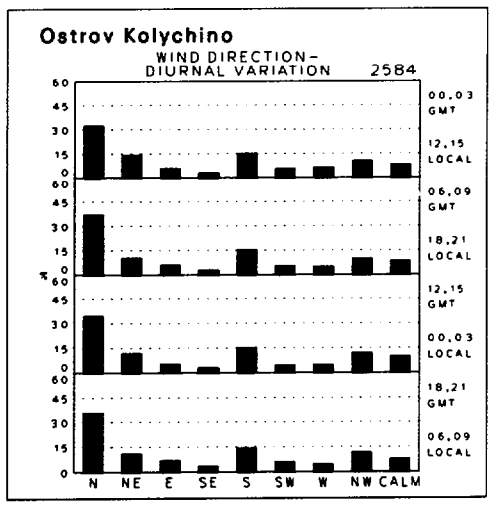
12,15 LOCAL
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Ostrov Kolychino
WIND DIRECTION-
DIURNAL VARIATION 2584
00,03 GMT
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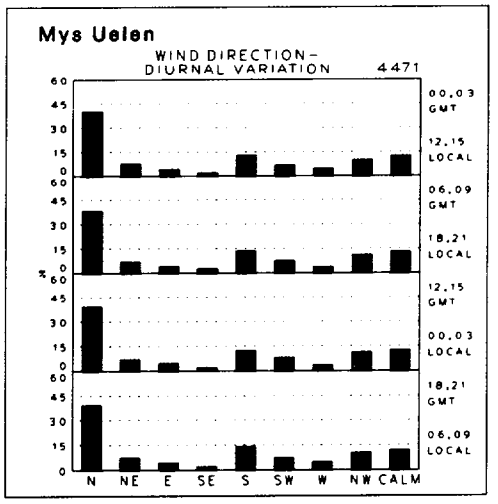
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Mys Uelen
WIND DIRECTION-
DIURNAL VARIATION 4471
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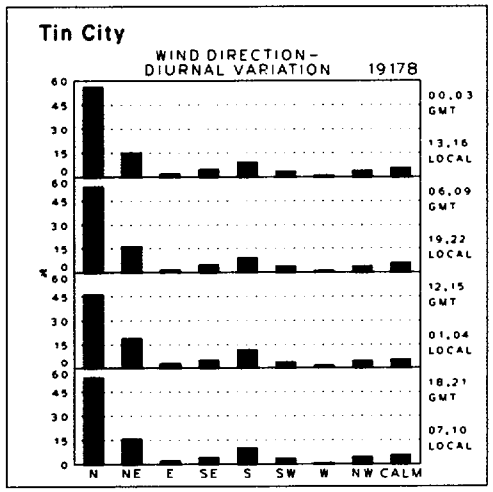
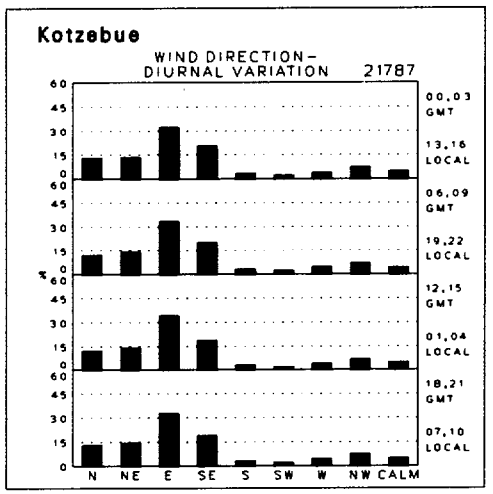
06,09 GMT
18,21 LOCAL
12,15 GMT
00,03 LOCAL
18,21 GMT
06,09 LOCAL
N NE E SE S SW W NW CALM


Tin City
WIND DIRECTION-
DIURNAL VARIATION 19178
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Kotzebue
WIND DIRECTION-
DIURNAL VARIATION 21787
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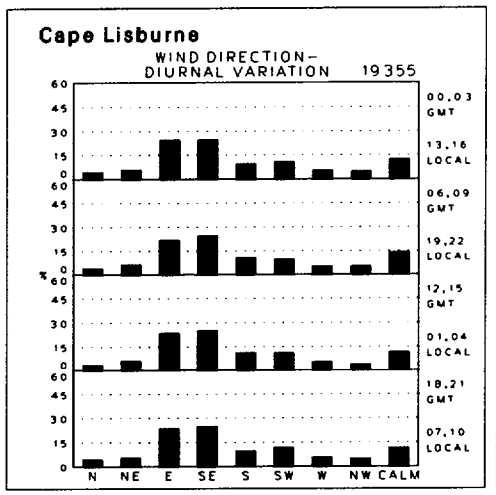
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM


Cape Lisburne
WIND DIRECTION-
DIURNAL VARIATION 19355
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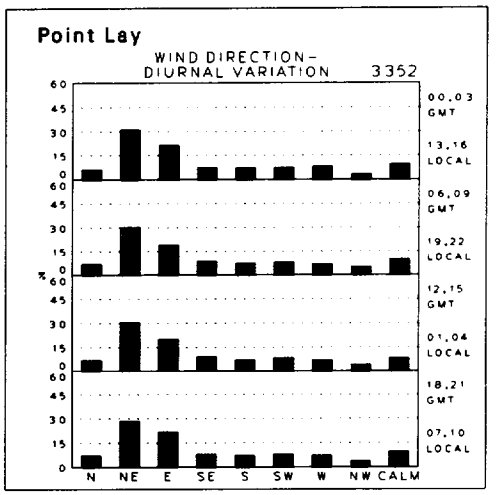
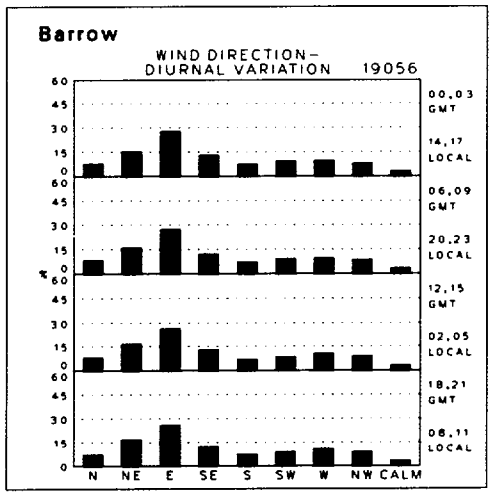
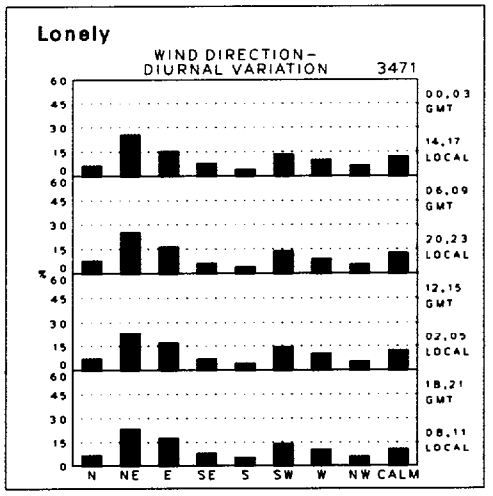
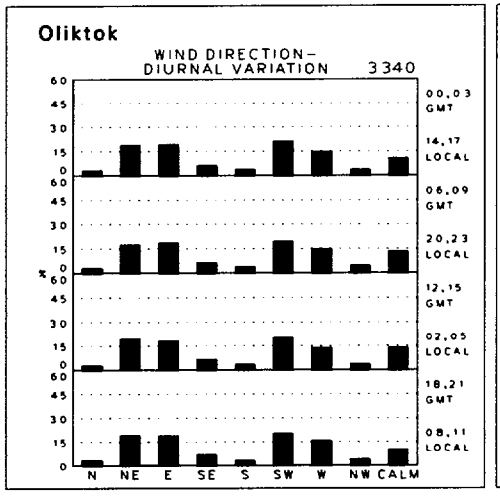
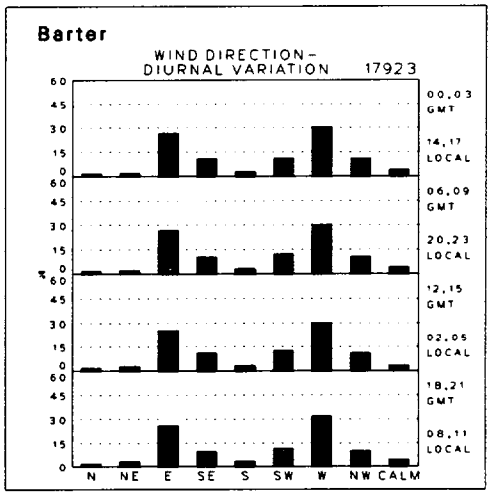
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

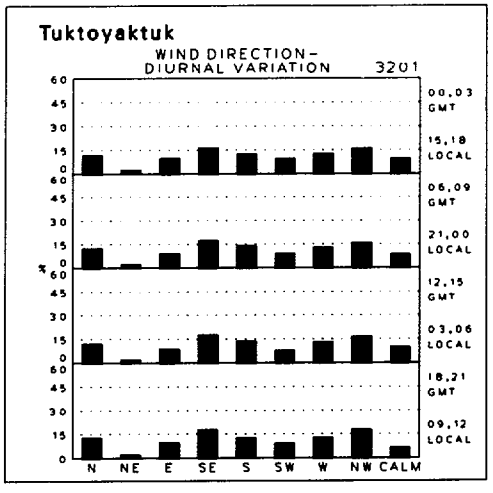

Point Lay
WIND DIRECTION-
DIURNAL VARIATION 3352
00,03 GMT
13,16 LOCAL
06,09 GMT
19,22 LOCAL
12,15 GMT
01,04 LOCAL
18,21 GMT
07,10 LOCAL
N NE E SE S SW W NW CALM

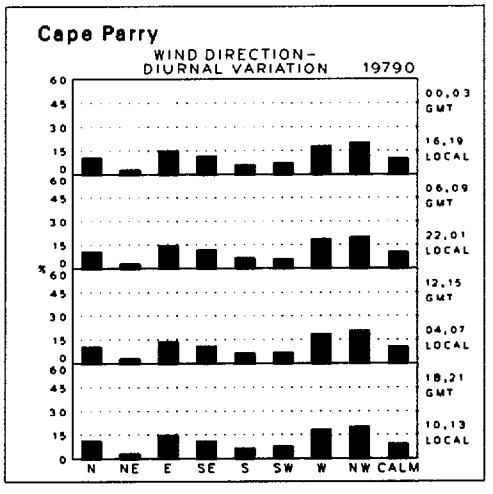

Barrow
WIND DIRECTION-
DIURNAL VARIATION 19056
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

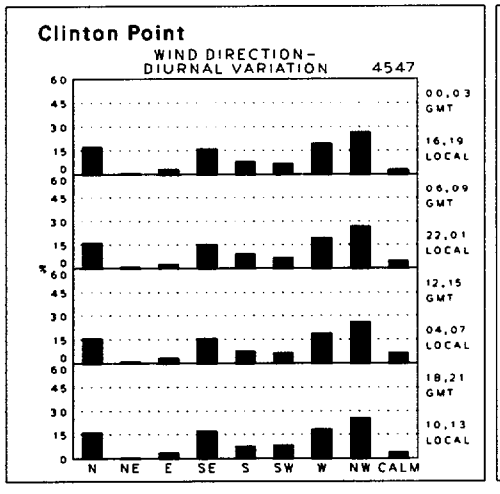

Lonely
WIND DIRECTION-
DIURNAL VARIATION 3471
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

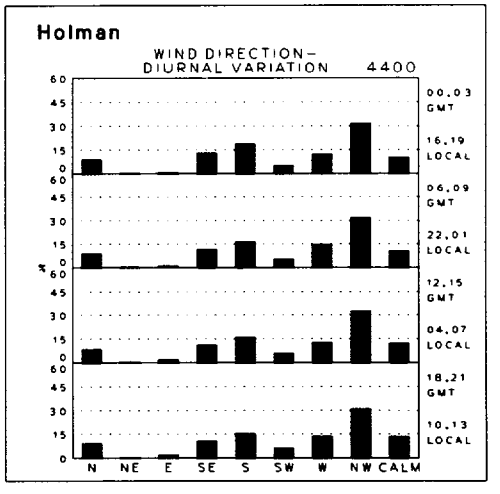

Oliktok
WIND DIRECTION-
DIURNAL VARIATION 3340
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM

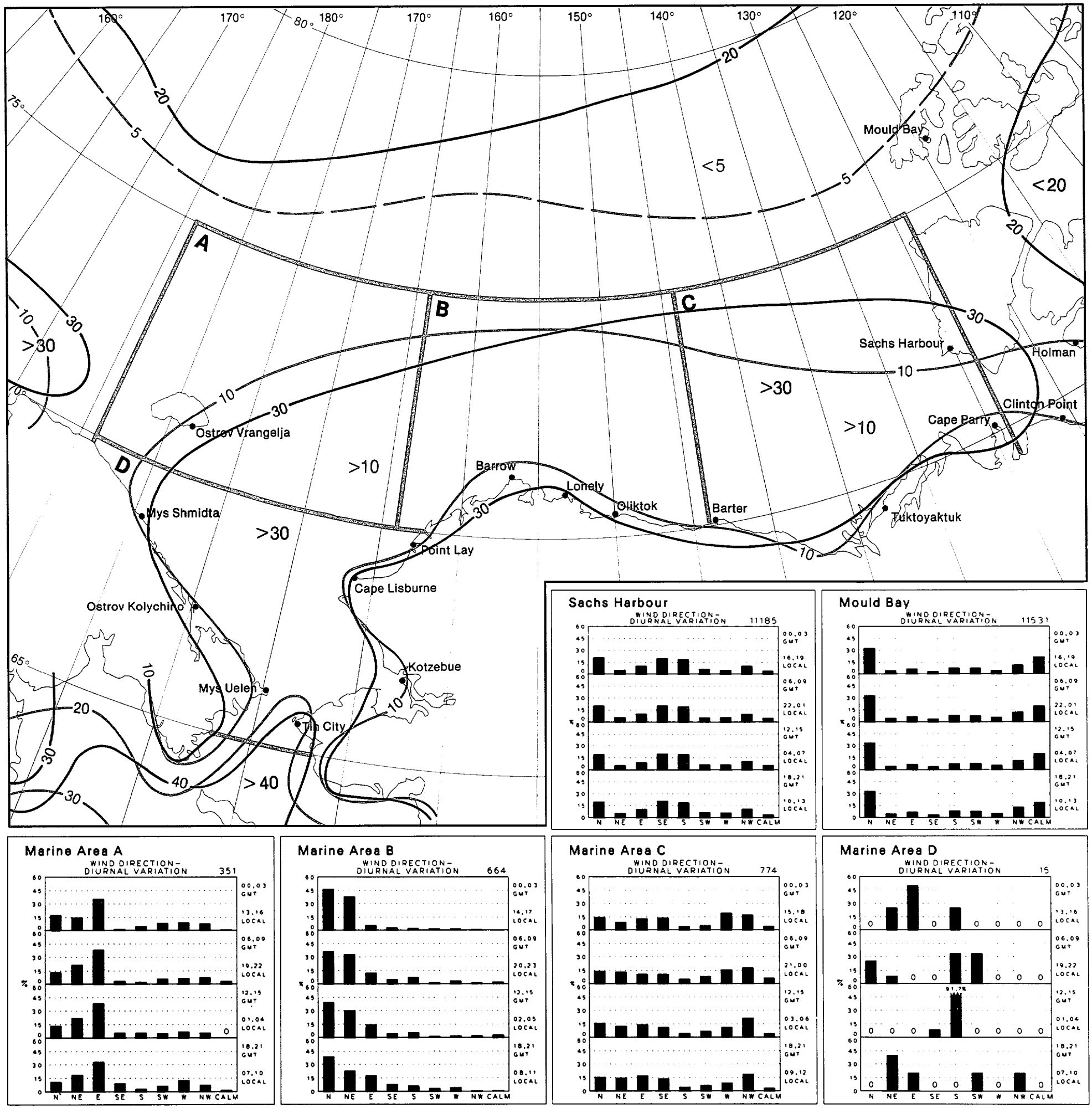

Barter
WIND DIRECTION-
DIURNAL VARIATION 17923
00,03 GMT
14,17 LOCAL
06,09 GMT
20,23 LOCAL
12,15 GMT
02,05 LOCAL
18,21 GMT
08,11 LOCAL
N NE E SE S SW W NW CALM


Tuktoyaktuk
WIND DIRECTION-
DIURNAL VARIATION 3201
00,03 GMT
15,18 LOCAL
06,09 GMT
21,00 LOCAL
12,15 GMT
03,06 LOCAL
18,21 GMT
09,12 LOCAL
N NE E SE S SW W NW CALM


Cape Parry
WIND DIRECTION-
DIURNAL VARIATION 19790
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Clinton Point
WIND DIRECTION-
DIURNAL VARIATION 4547
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM


Holman
WIND DIRECTION-
DIURNAL VARIATION 4400
00,03 GMT
16,19 LOCAL
06,09 GMT
22,01 LOCAL
12,15 GMT
04,07 LOCAL
18,21 GMT
10,13 LOCAL
N NE E SE S SW W NW CALM



12 Wind Speed 11-21 and 22-33 Knots **December**

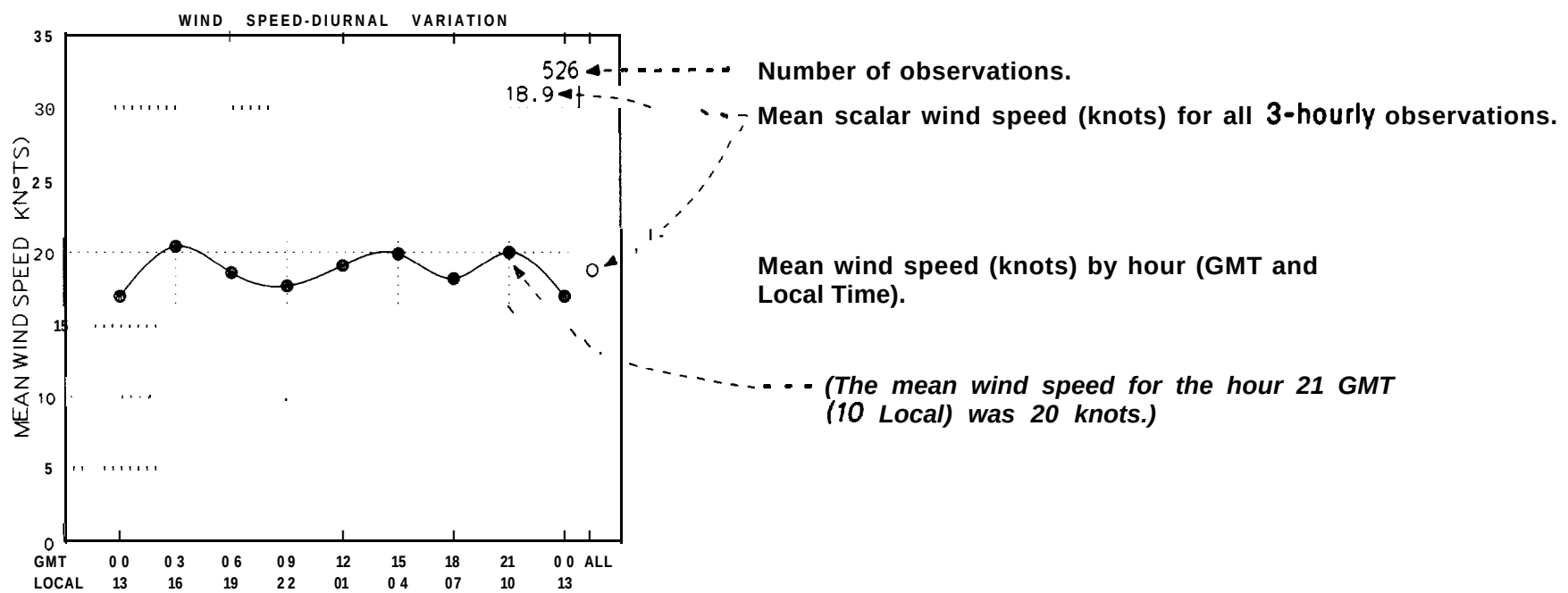
Map 13. Scalar mean wind speed and wind chill temperature ≦-30°C

BLACK LINE – Mean scalar wind speed (knots).

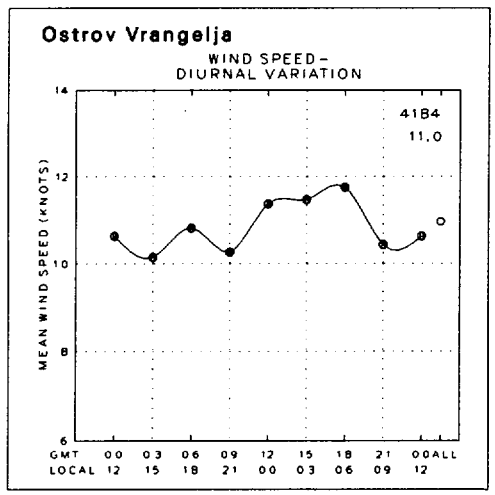
BLUE LINE – Percent frequency of wind chill temperature ≦−30°C (≦−22°F).

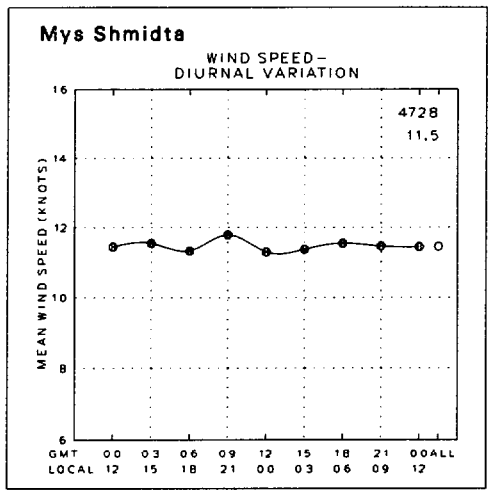
Albers Equal-Area Conic Projection

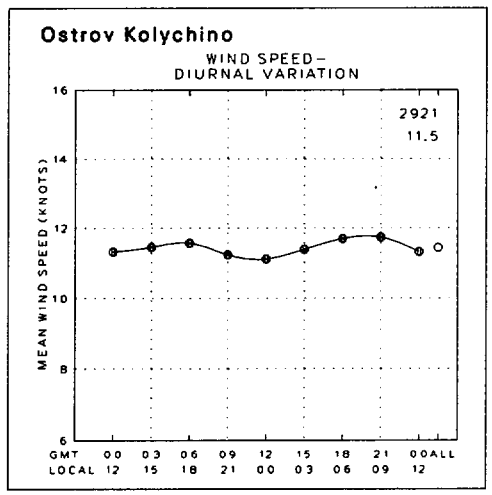
Graphs: Wind speed/diurnal variation

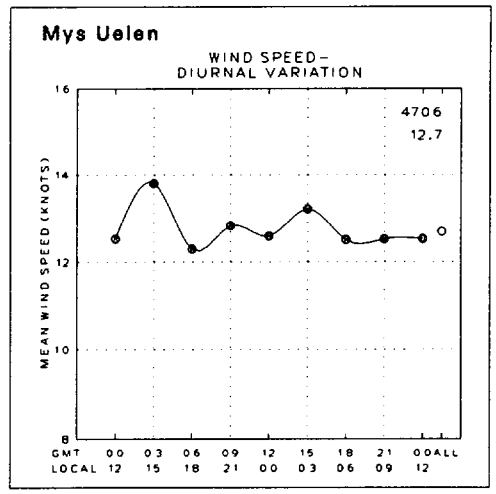


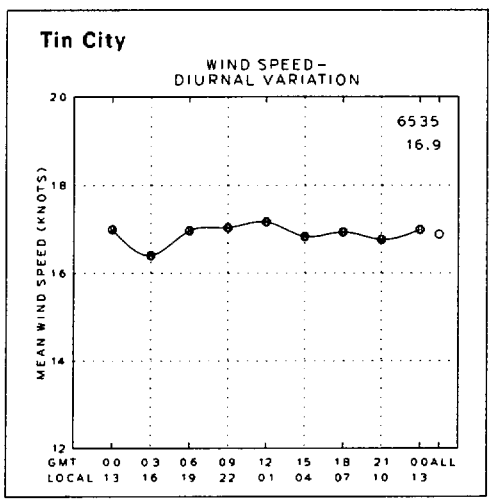
In areas of high persistence (also called constancy, steadiness) of direction, the magnitude of the vector mean wind (Set 10) should closely approach that of the scalar mean wind (set 13). As most of the marine observations are recorded at six-hour intervals (00, 06, 12, 18 GMT), intermediate hours (03, 09, 15, 21 GMT) were not plotted on the graphs for the marine areas. Intermediate hours were plotted for the stations, but users should use caution in interpreting plots for those few stations that reported less than eight observations per day-see the data inventory in the introductory text for Section II.

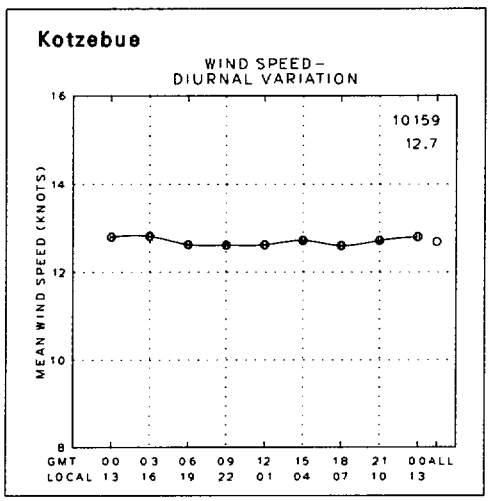

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4184
11.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

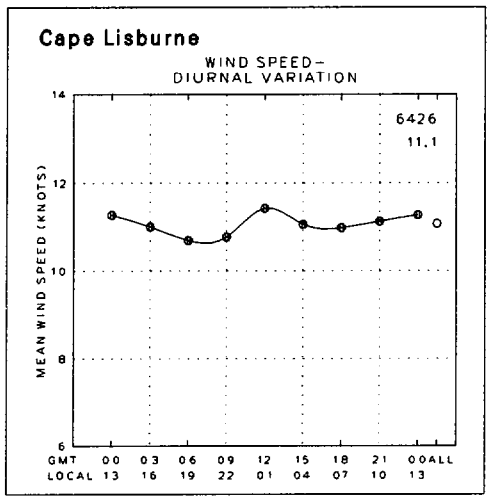

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4728
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

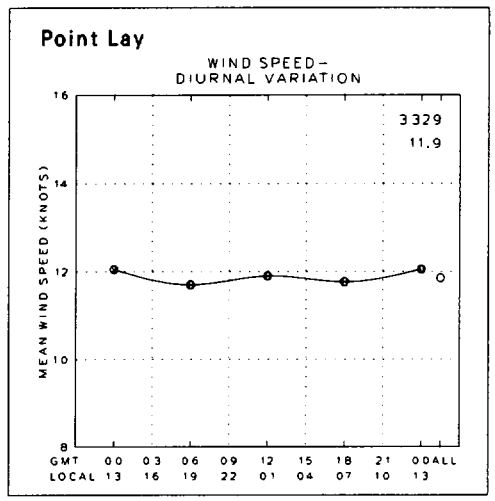

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2921
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

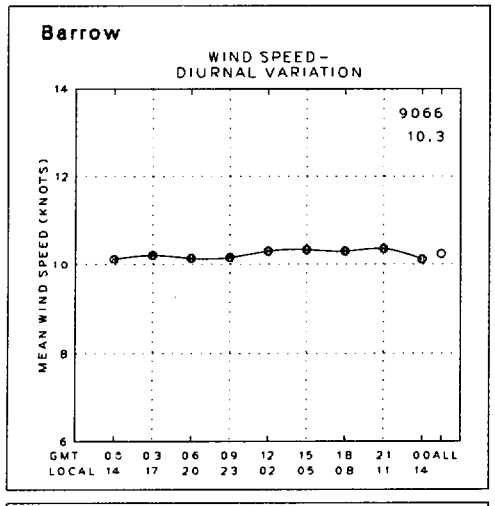

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4706
12.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

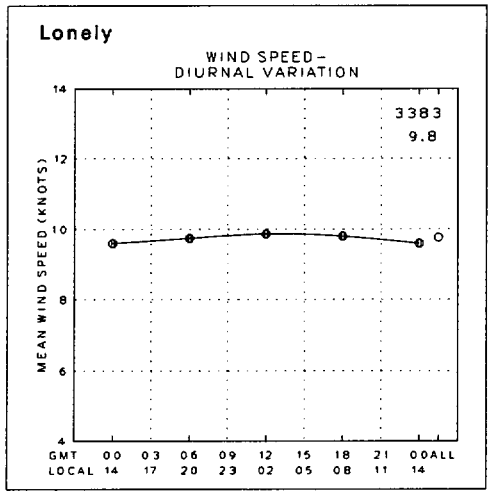

Tin City
WIND SPEED-
DIURNAL VARIATION
6535
16.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

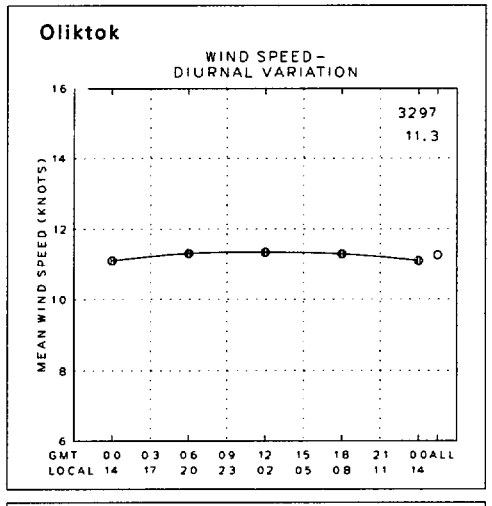

Kotzebue
WIND SPEED-
DIURNAL VARIATION
10159
12.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

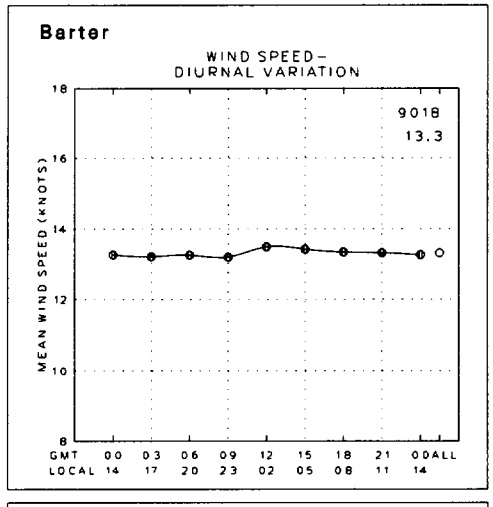

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6426
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

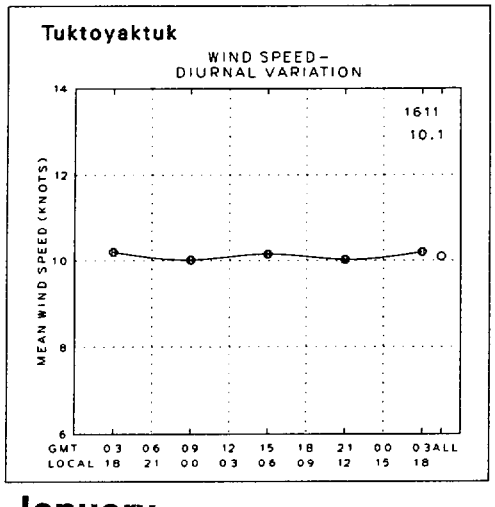

Point Lay
WIND SPEED-
DIURNAL VARIATION
3329
11.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

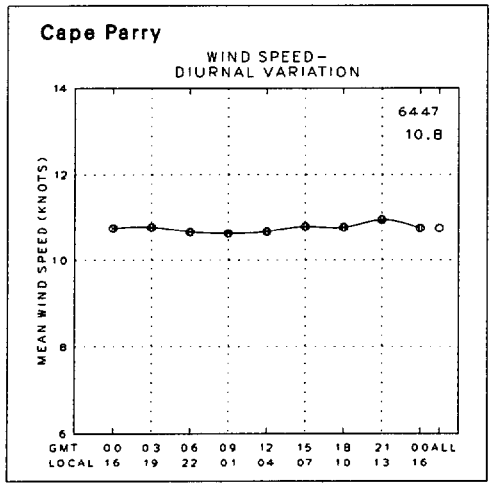

Barrow
WIND SPEED-
DIURNAL VARIATION
9066
10.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

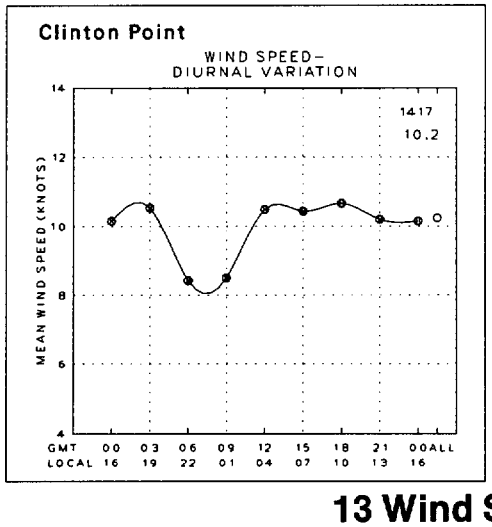

Lonely
WIND SPEED-
DIURNAL VARIATION
3383
9.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

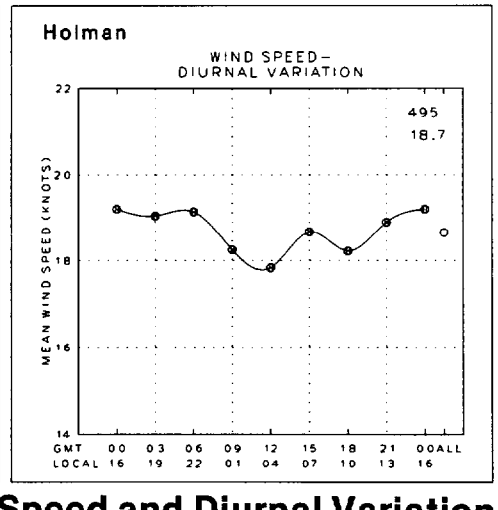

Oliktok
WIND SPEED-
DIURNAL VARIATION
3297
11.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

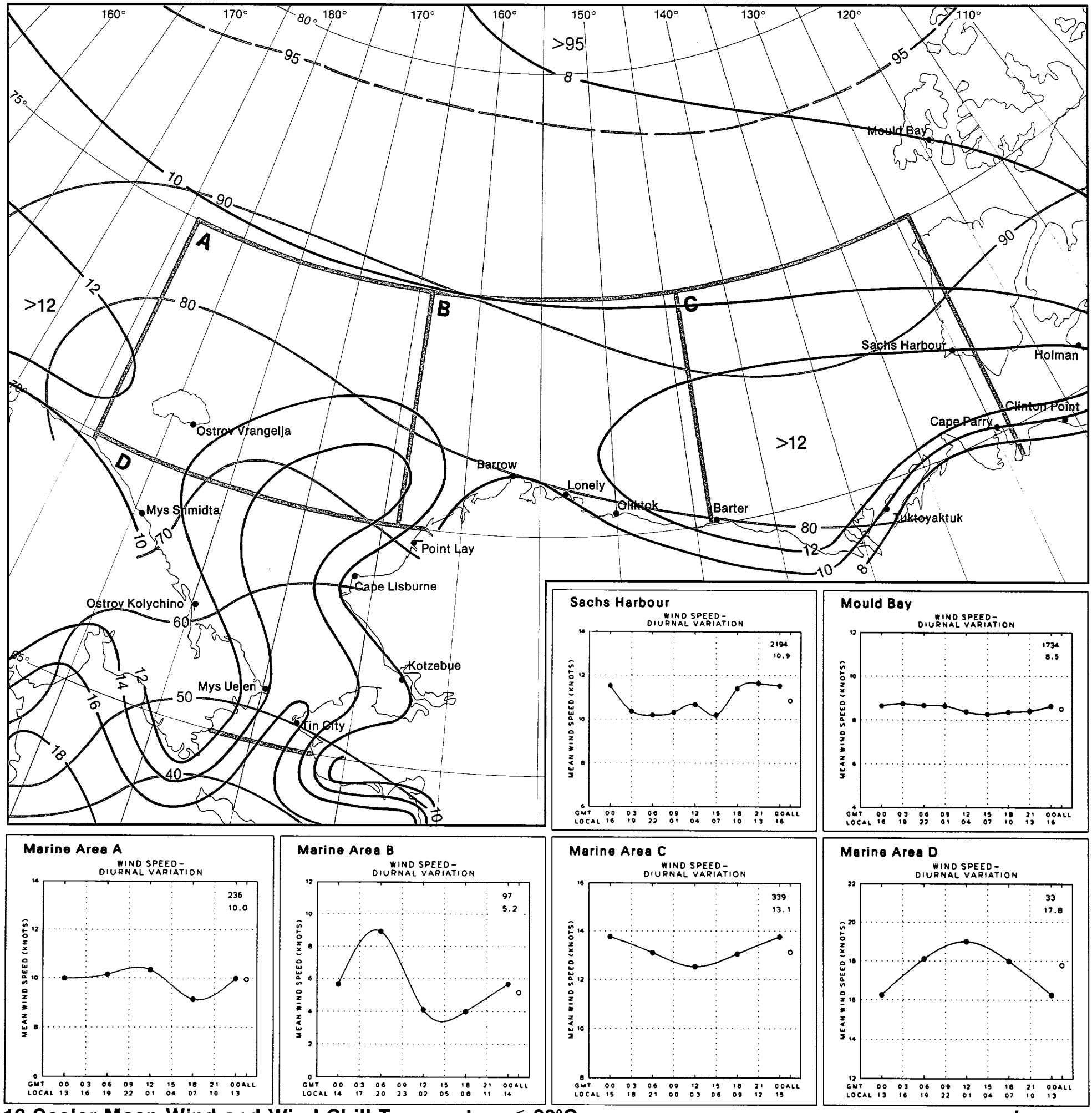

Barter
WIND SPEED-
DIURNAL VARIATION
9018
13.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1611
10.1
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6447
10.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

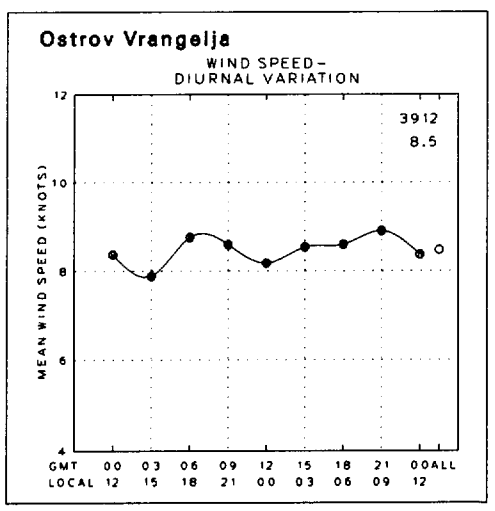

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1417
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

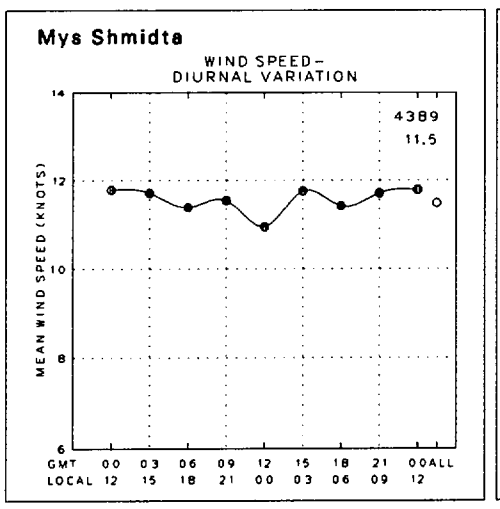

Holman
WIND SPEED-
DIURNAL VARIATION
495
18.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

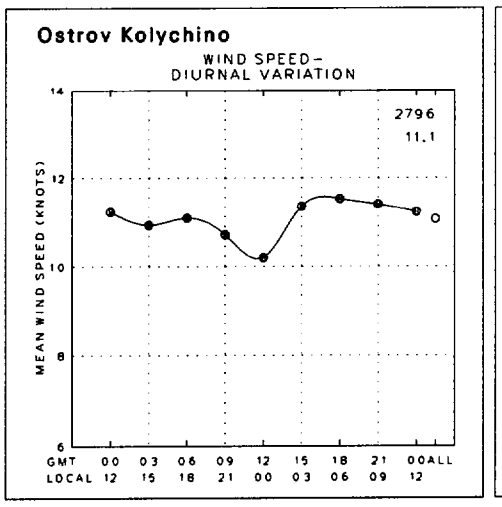


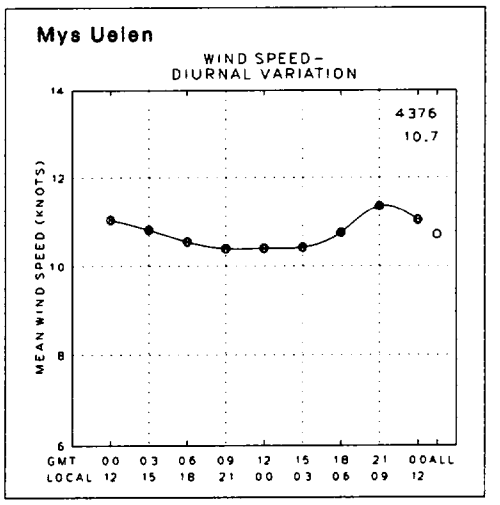
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

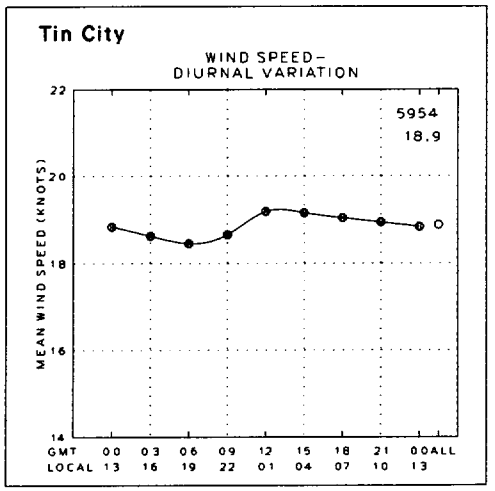
January

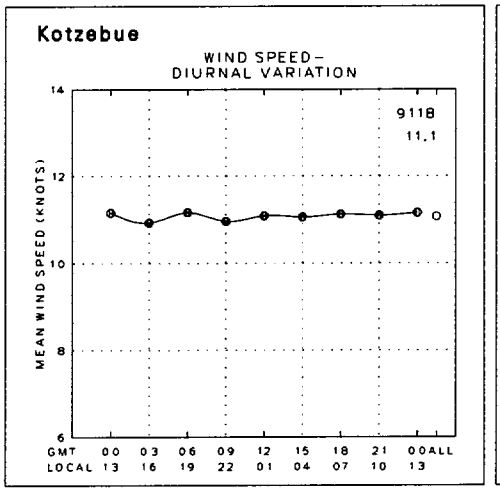

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
3912
8.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

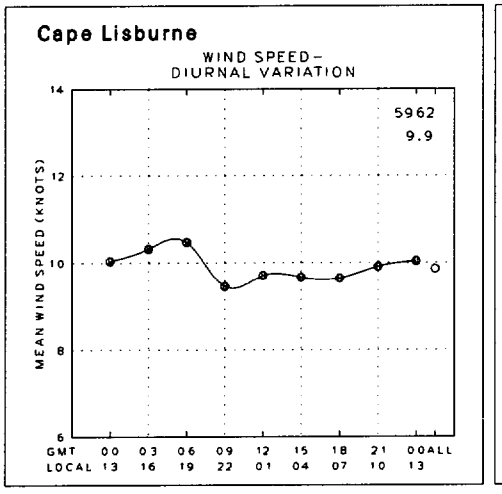

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4389
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

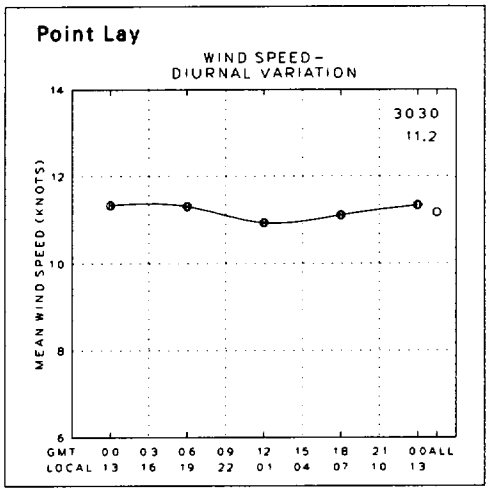

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2796
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

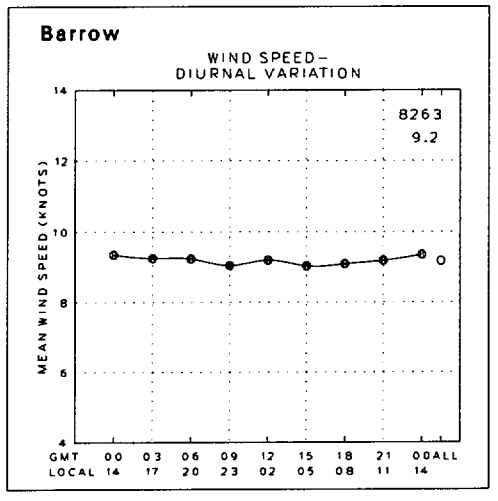

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4376
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

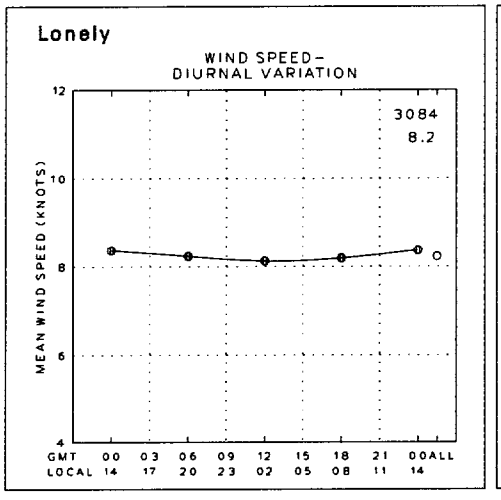

Tin City
WIND SPEED-
DIURNAL VARIATION
5954
18.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

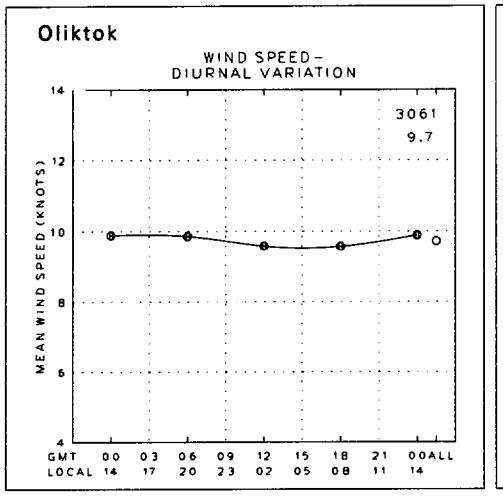

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9118
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

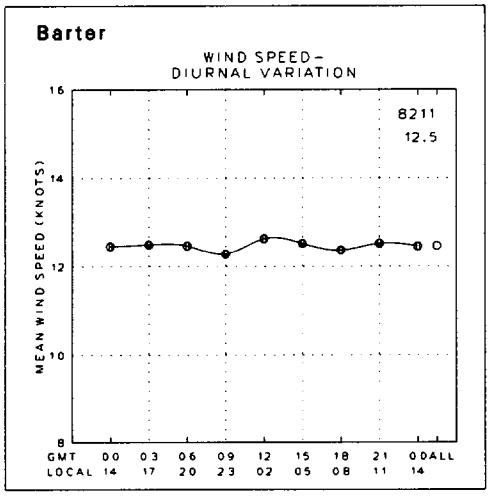

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
5962
9.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

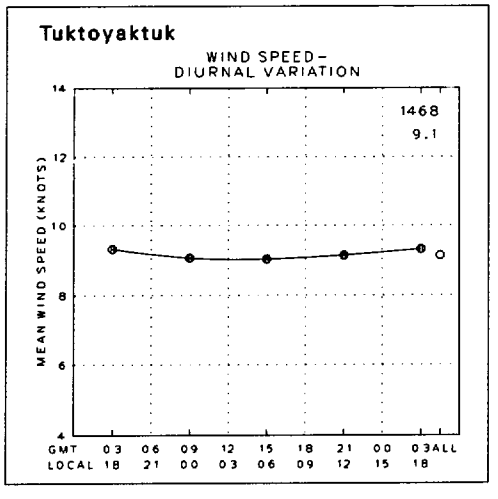

Point Lay
WIND SPEED-
DIURNAL VARIATION
3030
11.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

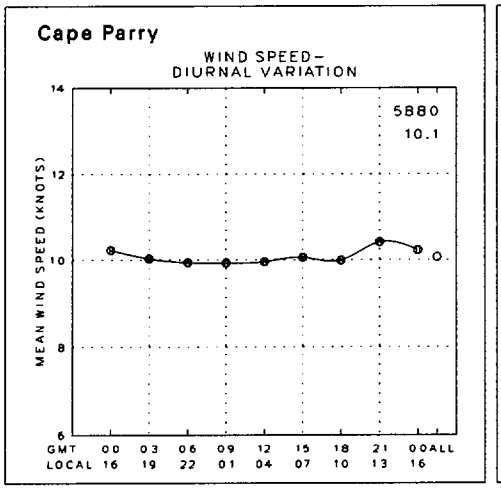

Barrow
WIND SPEED-
DIURNAL VARIATION
8263
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

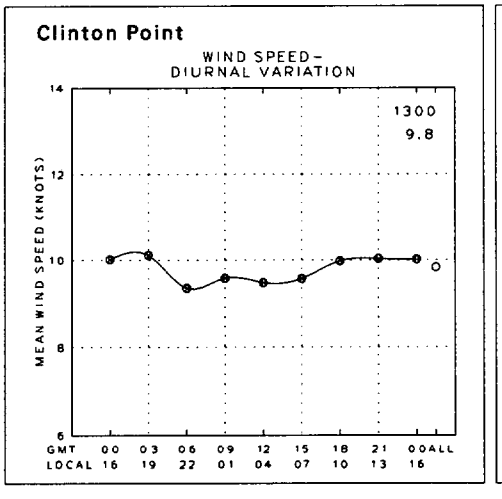

Lonely
WIND SPEED-
DIURNAL VARIATION
3084
8.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

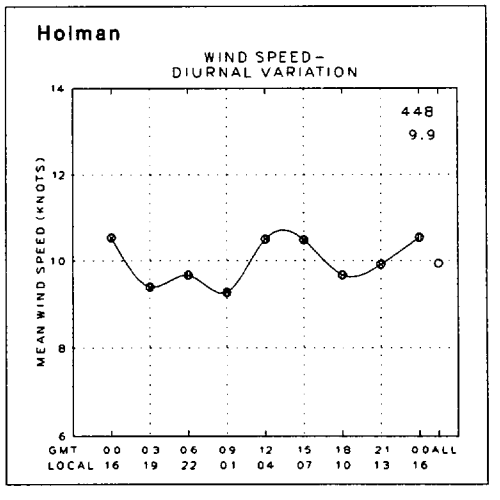

Oliktok
WIND SPEED-
DIURNAL VARIATION
3061
9.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

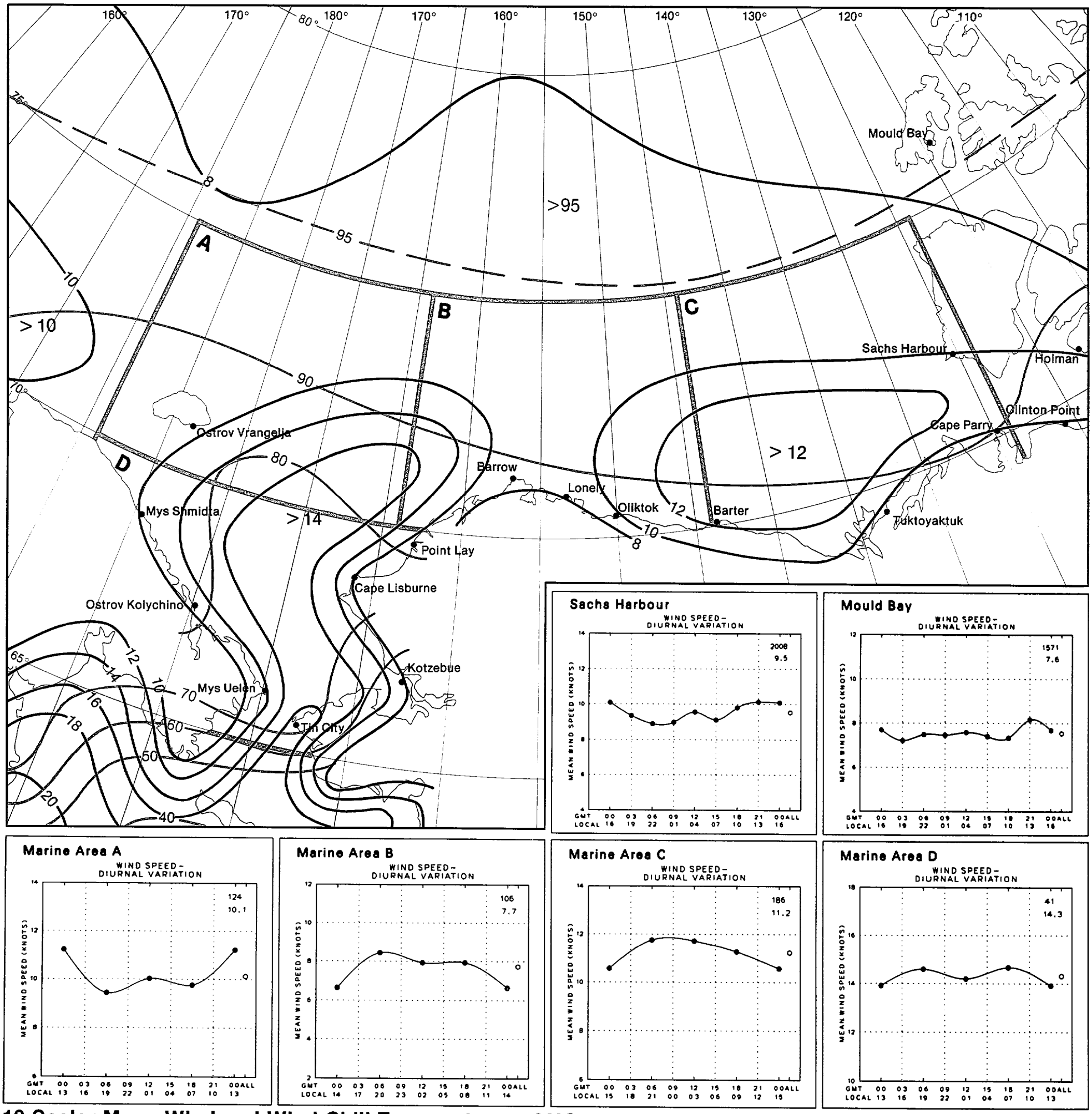

Barter
WIND SPEED-
DIURNAL VARIATION
8211
12.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1468
9.1
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
5880
10.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

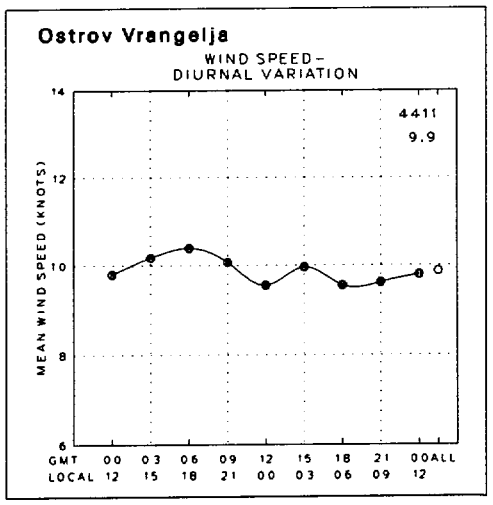

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1300
9.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

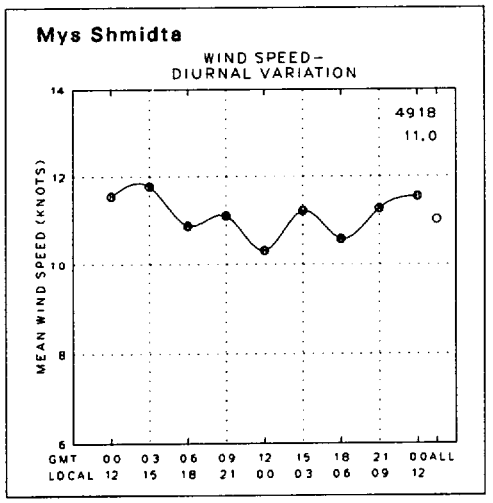

Holman
WIND SPEED-
DIURNAL VARIATION
448
9.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

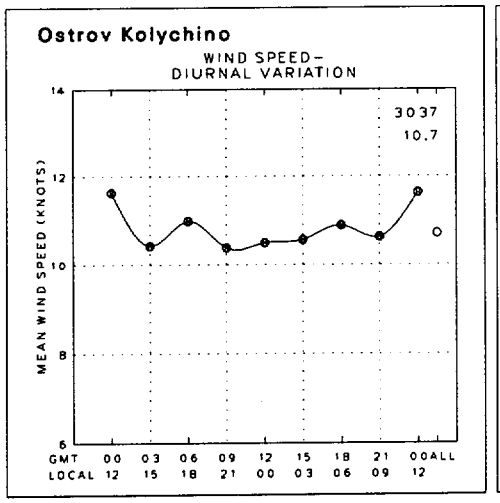


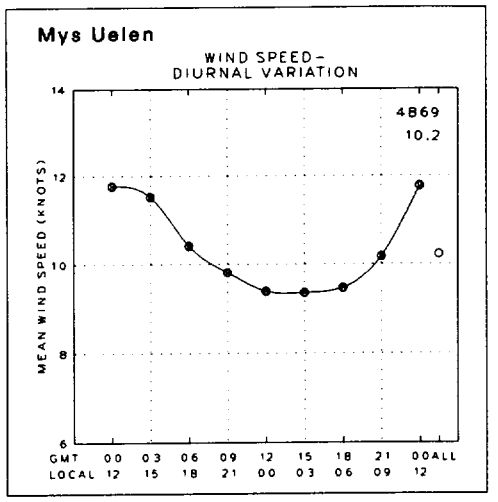
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

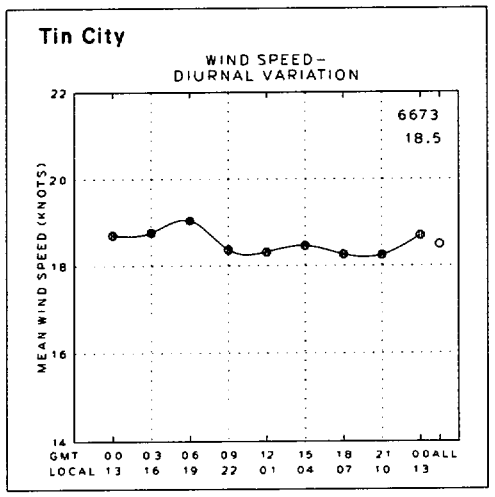
February

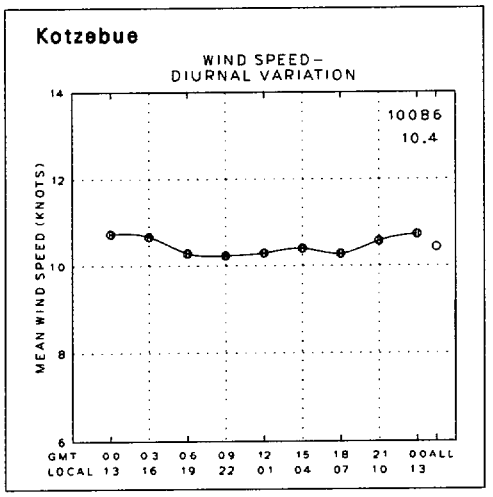

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4411
9.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

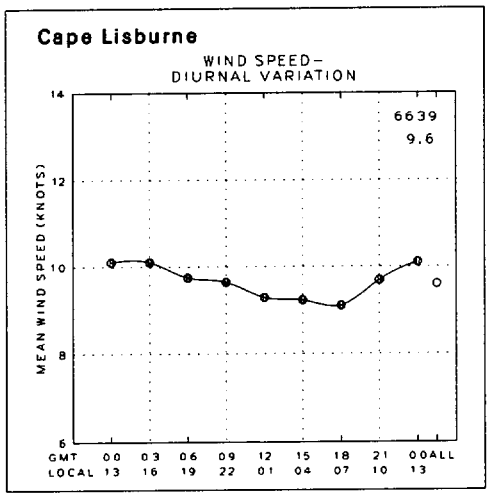

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4918
11.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

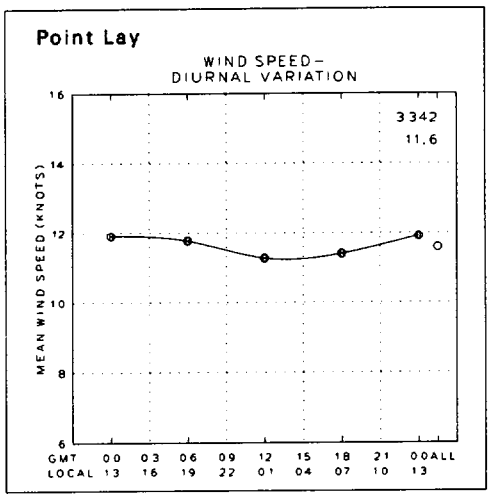

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
3037
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

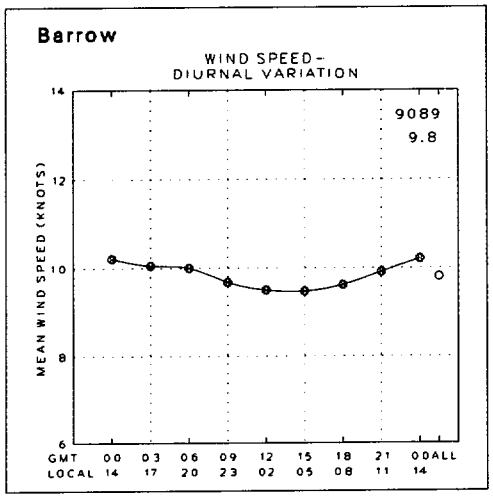

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4869
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

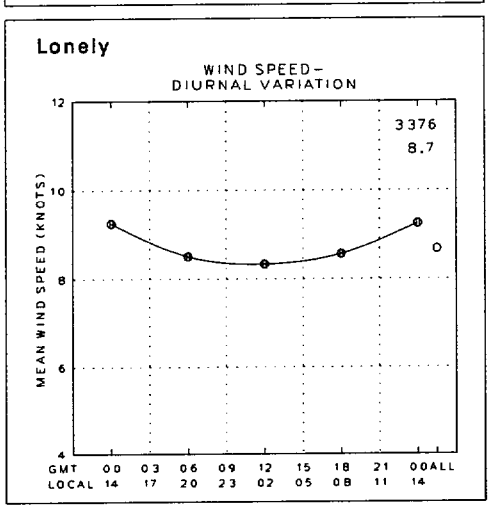

Tin City
WIND SPEED-
DIURNAL VARIATION
6673
18.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

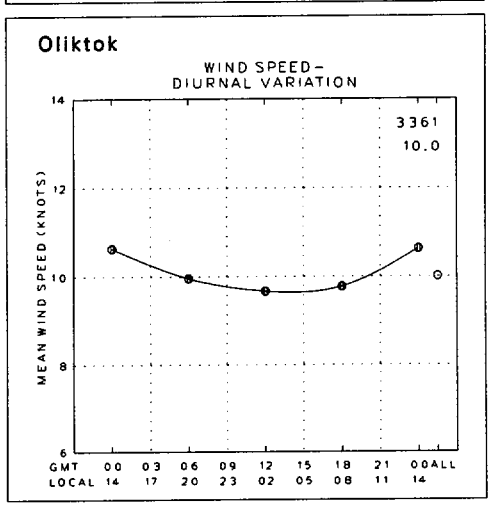

Kotzebue
WIND SPEED-
DIURNAL VARIATION
10086
10.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

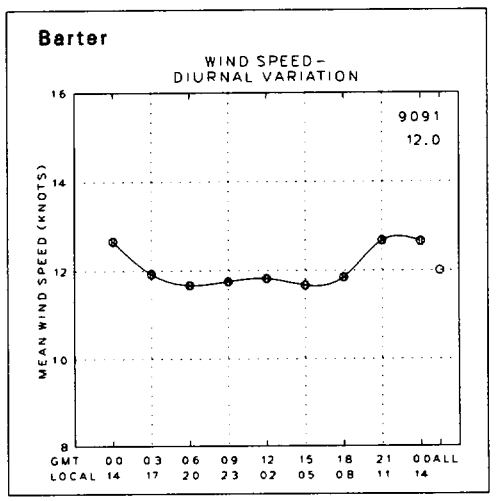

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6639
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

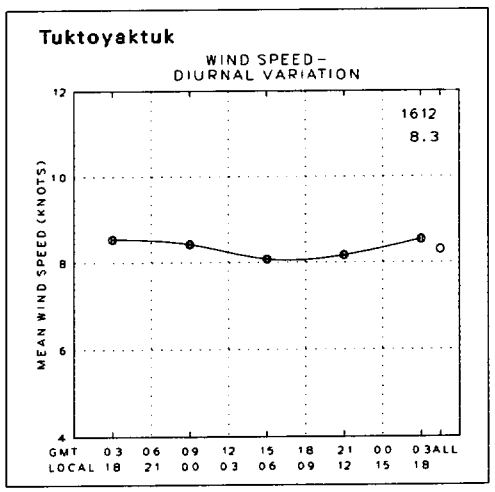

Point Lay
WIND SPEED-
DIURNAL VARIATION
3342
11.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

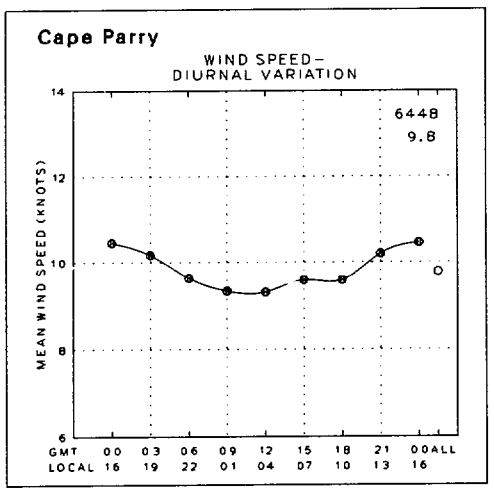

Barrow
WIND SPEED-
DIURNAL VARIATION
9089
9.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

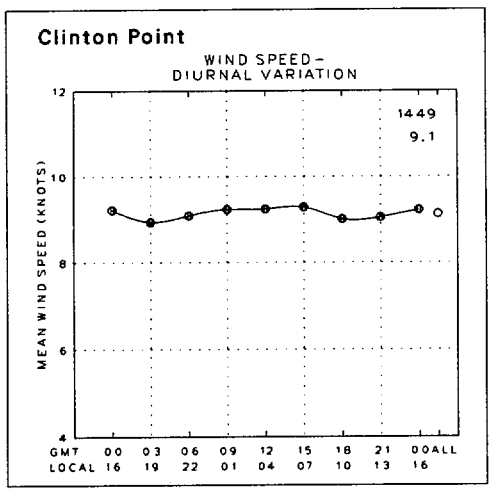

Lonely
WIND SPEED-
DIURNAL VARIATION
3376
8.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

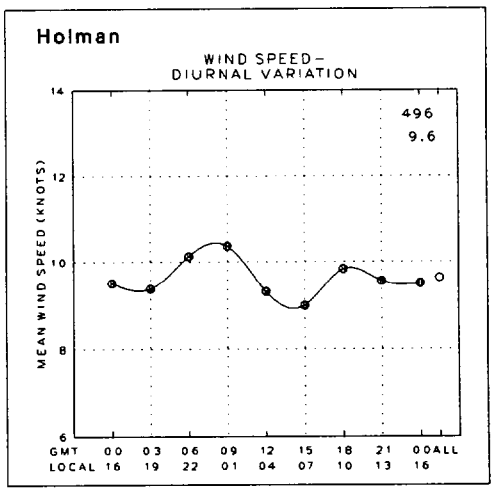

Oliktok
WIND SPEED-
DIURNAL VARIATION
3361
10.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

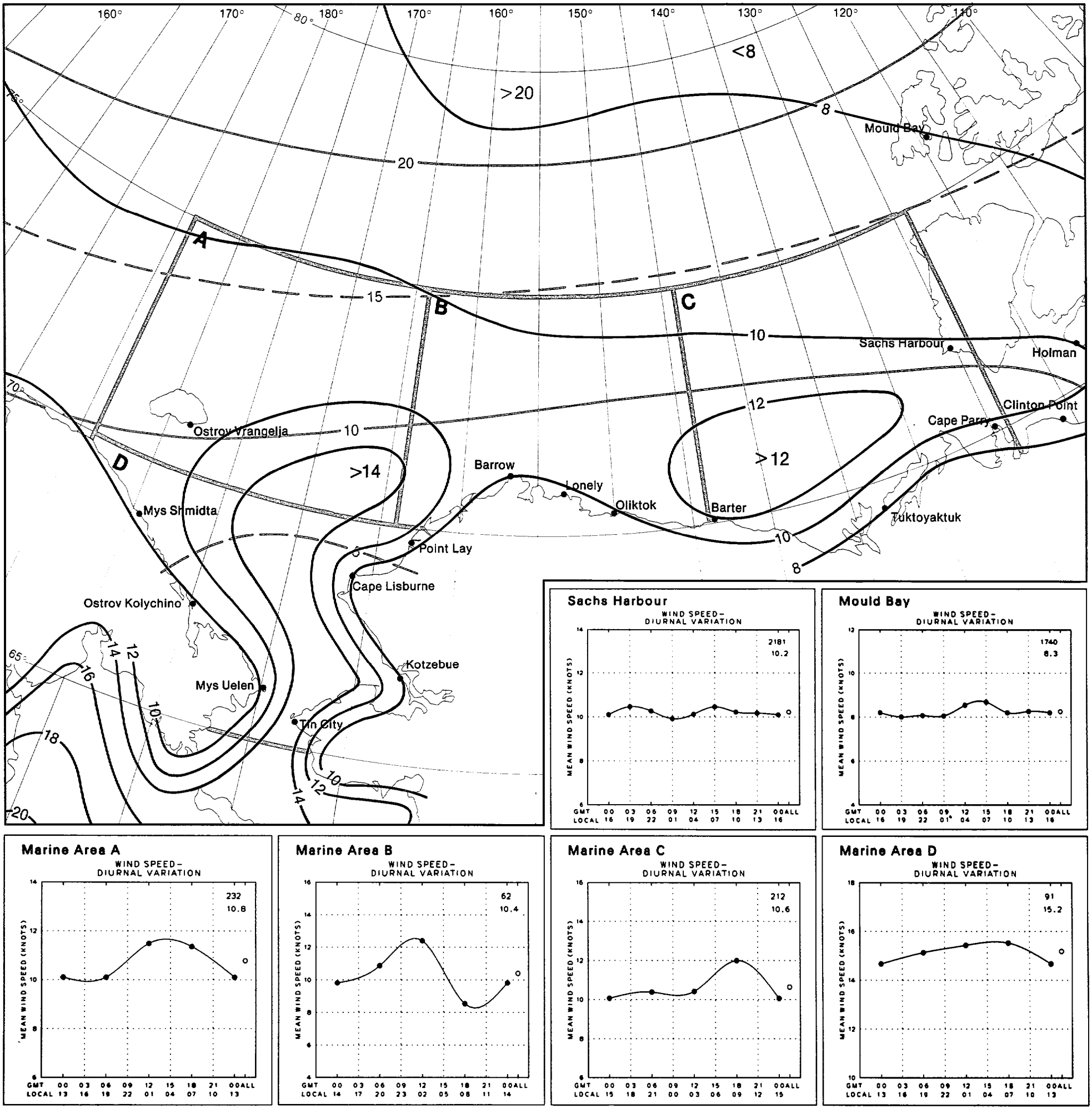

Barter
WIND SPEED-
DIURNAL VARIATION
9091
12.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

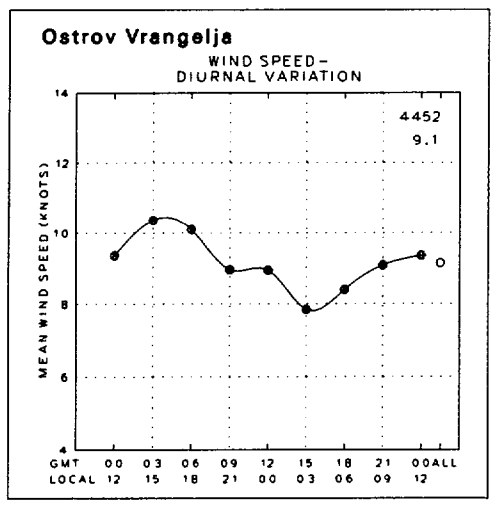

Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1612
8.3
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18

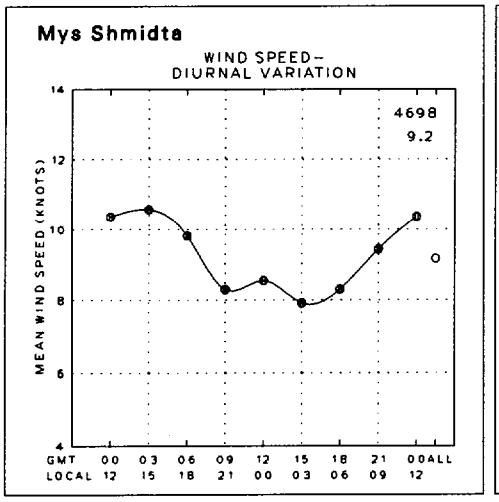

Cape Parry
WIND SPEED-
DIURNAL VARIATION
6448
9.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

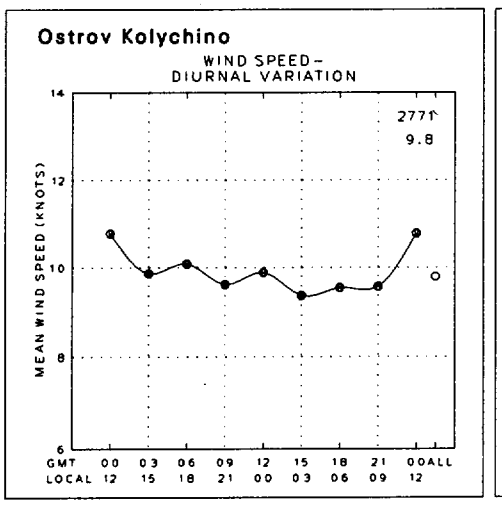

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1449
9.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

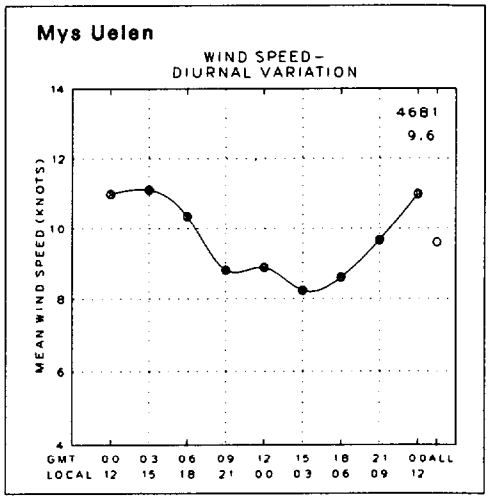

Holman
WIND SPEED-
DIURNAL VARIATION
496
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

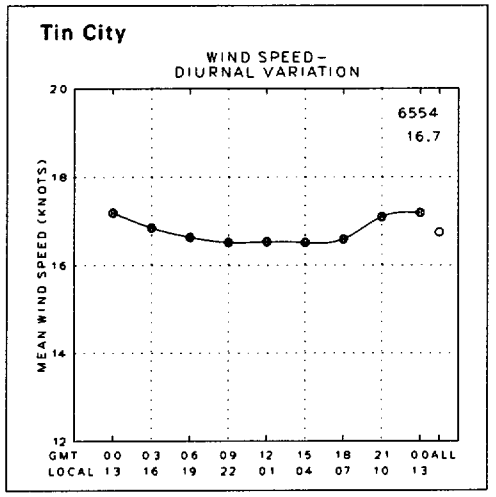

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
<8
>20
8
20
Mould Bay
A
B
C
D
15
10
Sachs Harbour
Holman
12
>12
Clinton Point
Cape Parry
Ostrov Vrangelja
10
>14
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
16
14
12
10
18
20
Sachs Harbour
WIND SPEED-
DIURNAL VARIATION
2181
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16
Mould Bay
WIND SPEED-
DIURNAL VARIATION
1740
8.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16
Marine Area A
WIND SPEED-
DIURNAL VARIATION
232
10.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13
Marine Area B
WIND SPEED-
DIURNAL VARIATION
62
10.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14
Marine Area C
WIND SPEED-
DIURNAL VARIATION
212
10.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 15 18 21 00 03 06 09 12 15
Marine Area D
WIND SPEED-
DIURNAL VARIATION
91
15.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

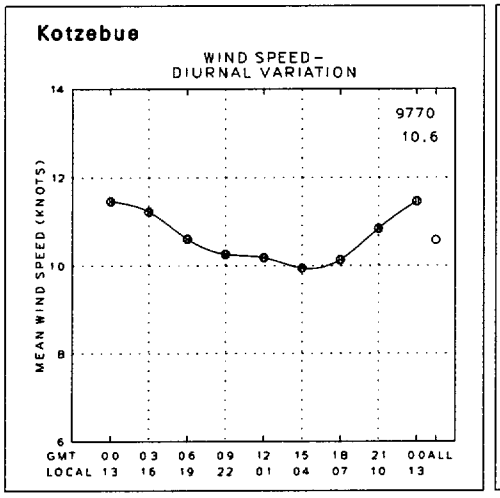

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4452
9.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

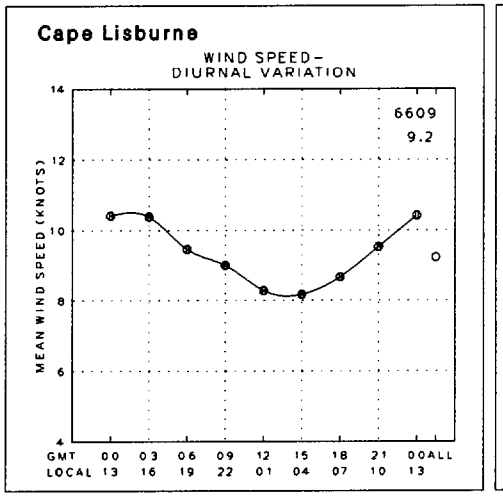

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4698
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

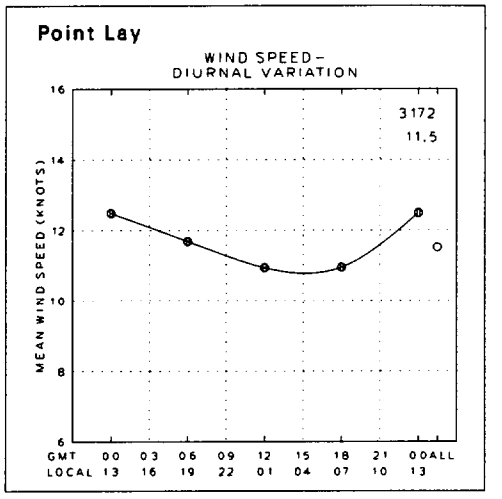

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2771
9.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

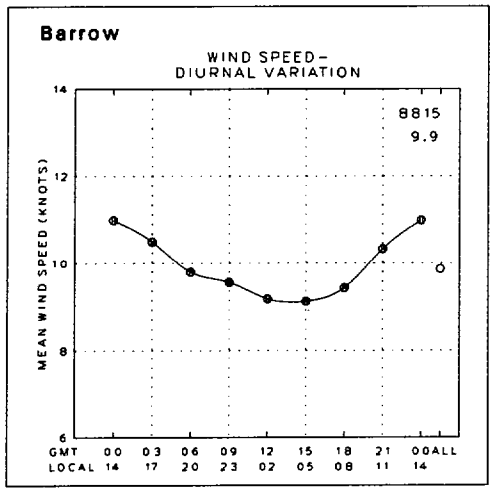

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4681
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

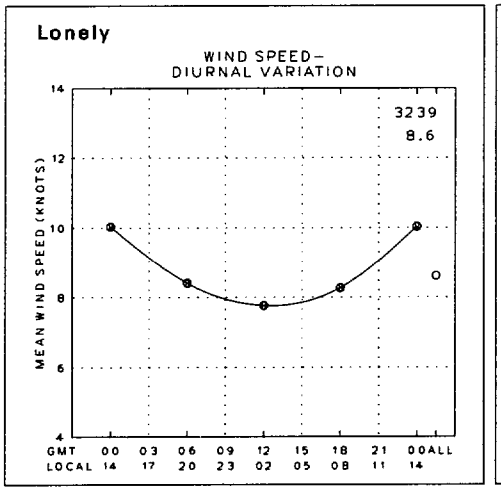

Tin City
WIND SPEED-
DIURNAL VARIATION
6554
16.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

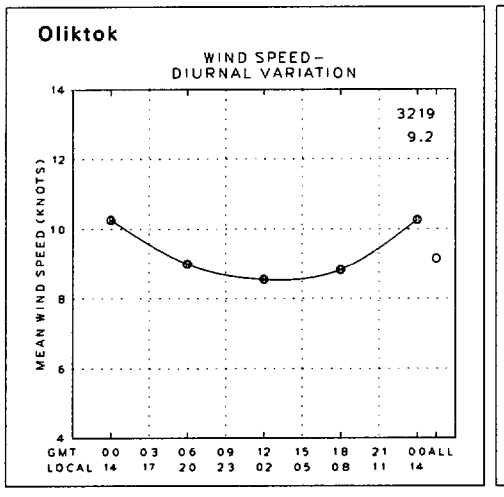

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9770
10.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

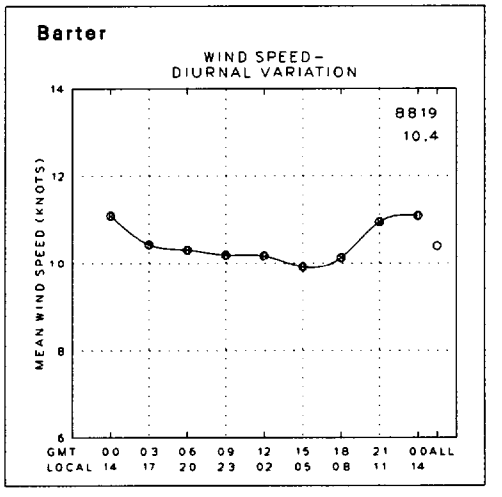

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6609
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

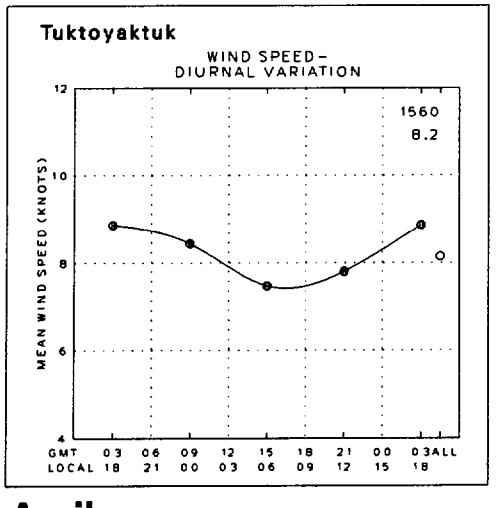

Point Lay
WIND SPEED-
DIURNAL VARIATION
3172
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

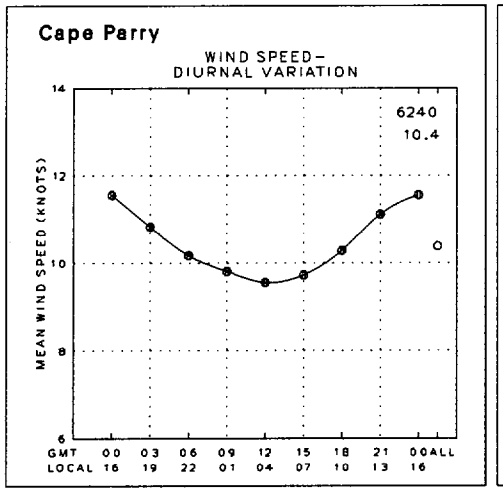

Barrow
WIND SPEED-
DIURNAL VARIATION
8815
9.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

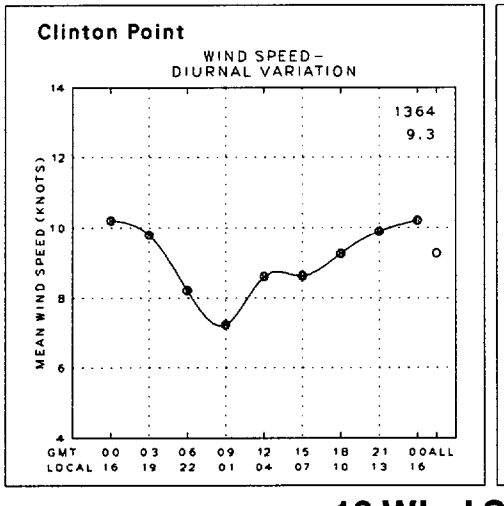

Lonely
WIND SPEED-
DIURNAL VARIATION
3239
8.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

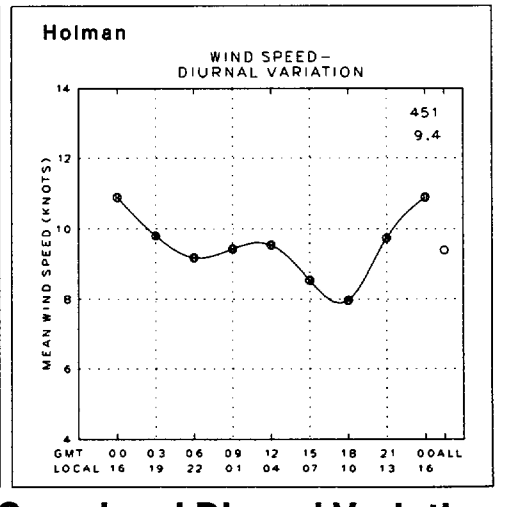

Oliktok
WIND SPEED-
DIURNAL VARIATION
3219
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

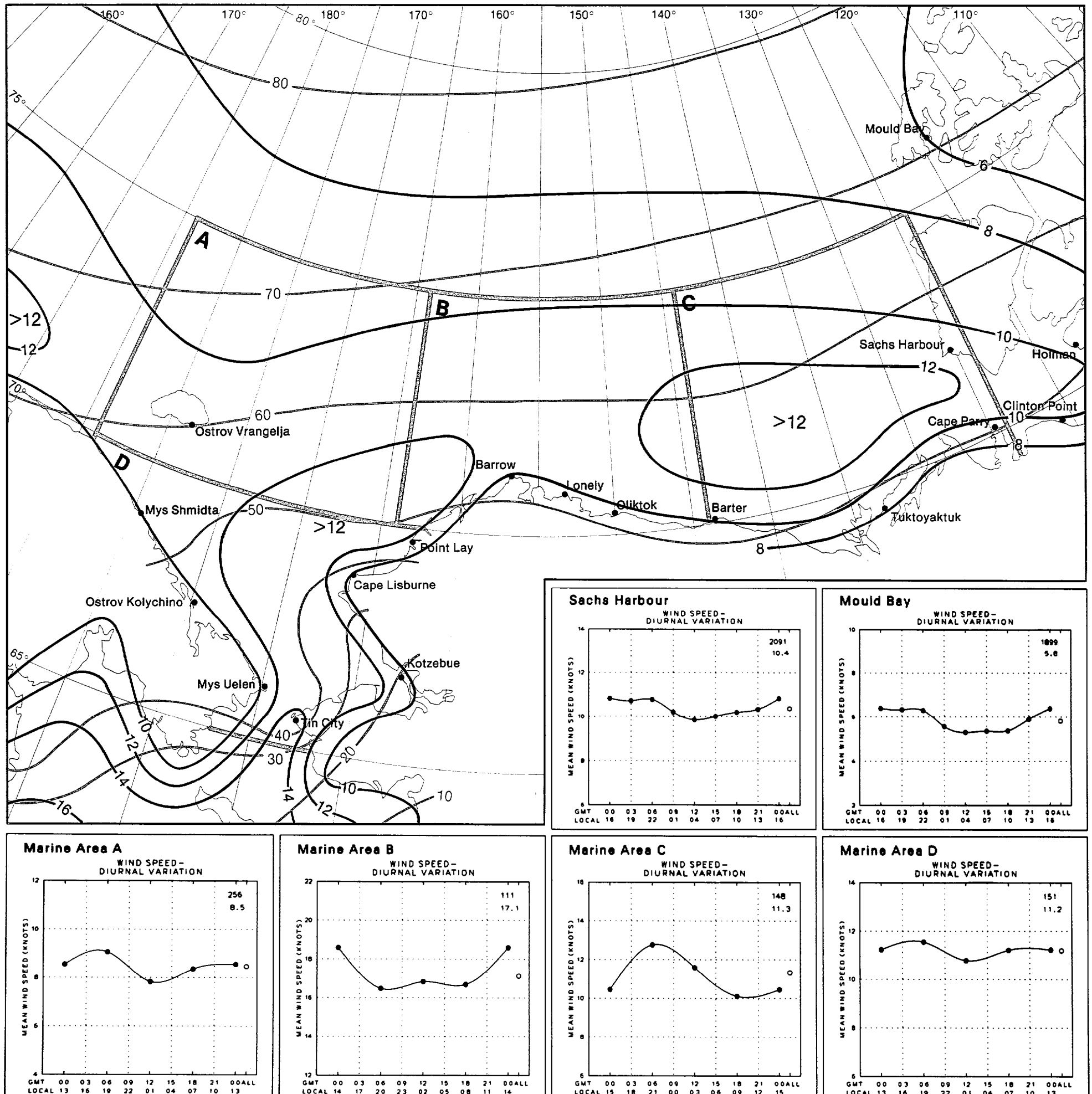

Barter
WIND SPEED-
DIURNAL VARIATION
8819
10.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1560
8.2
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6240
10.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

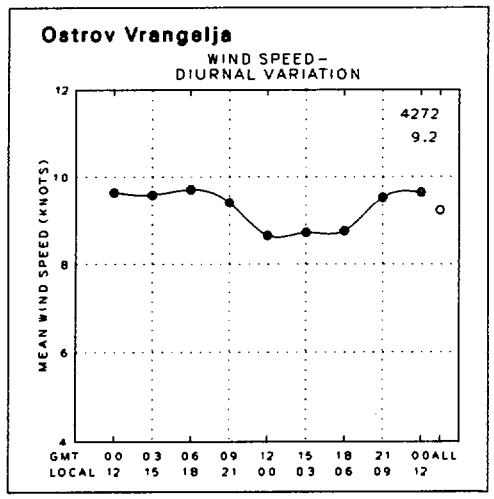

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1364
9.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

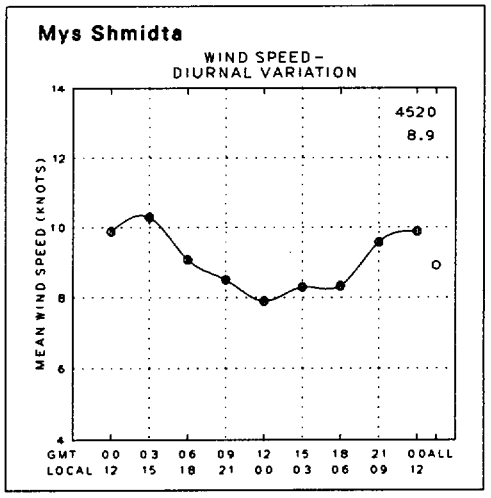

Holman
WIND SPEED-
DIURNAL VARIATION
451
9.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

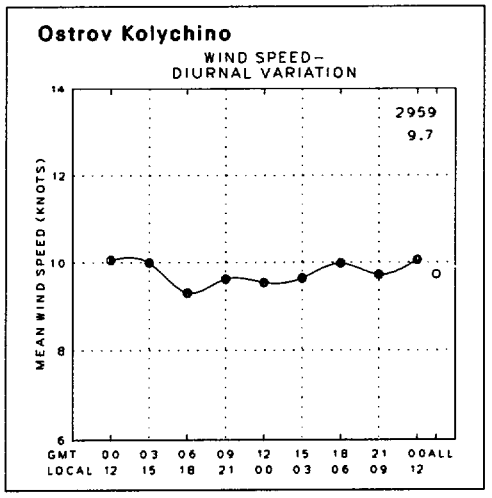


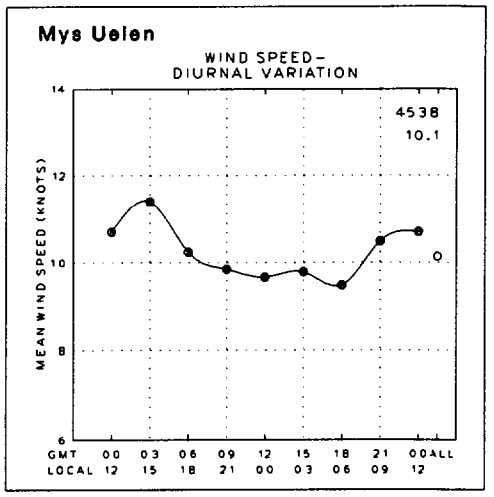
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

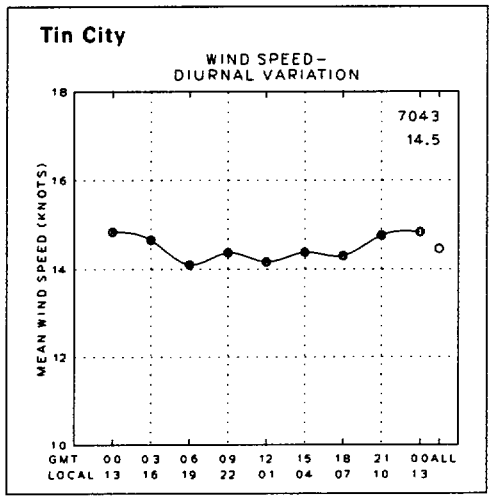
April

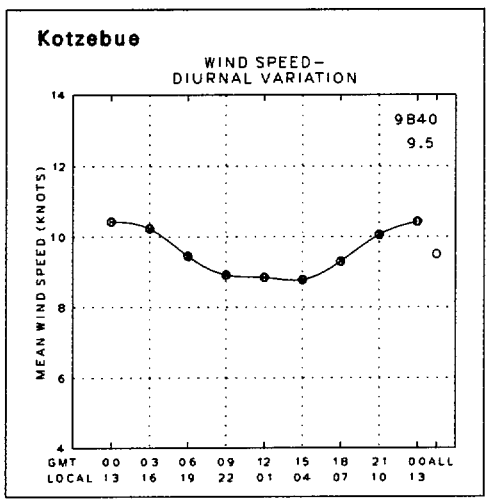

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4272
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

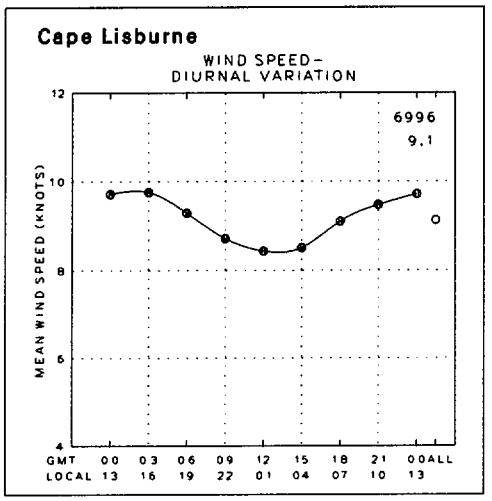

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4520
8.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

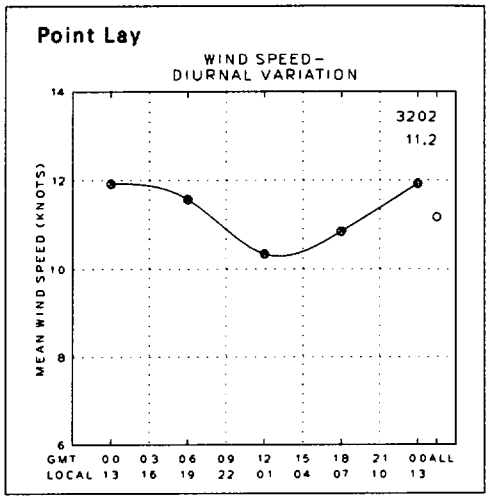

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2959
9.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

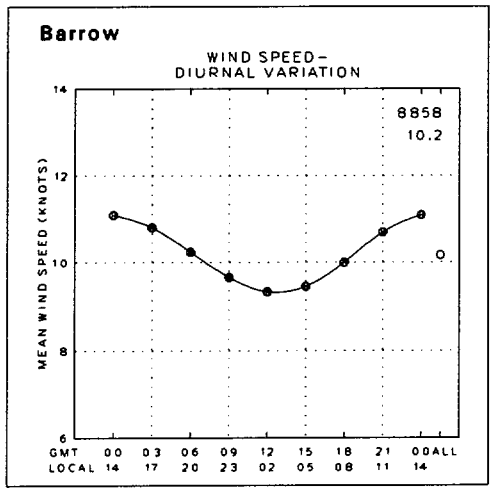

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4538
10.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

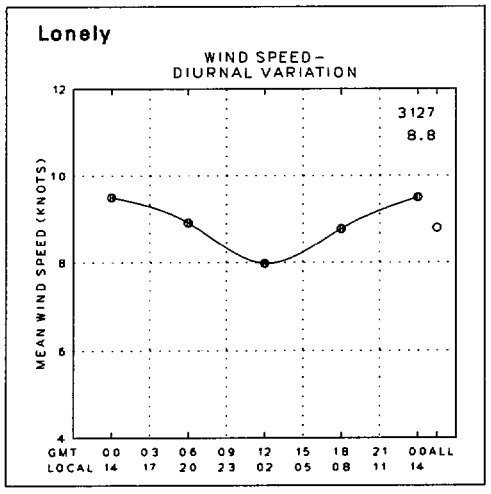

Tin City
WIND SPEED-
DIURNAL VARIATION
7043
14.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

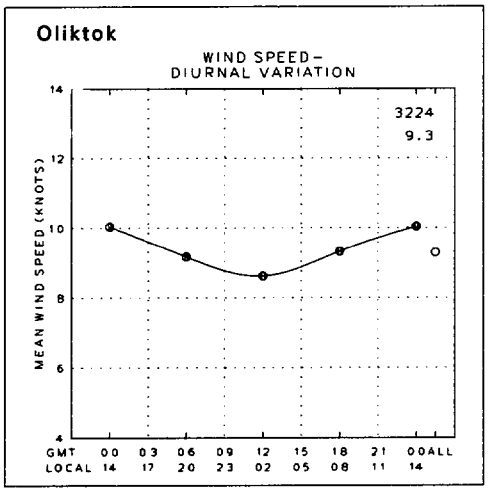

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9840
9.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

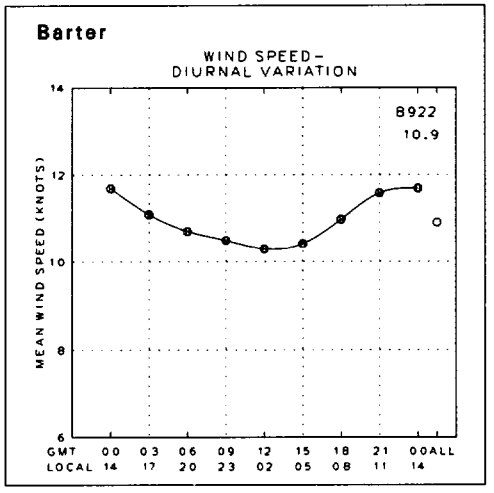

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6996
9.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

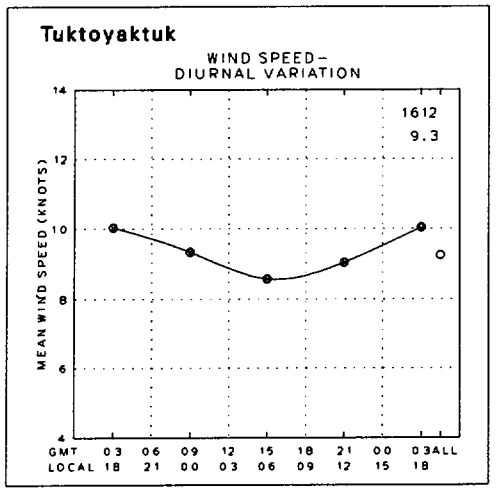

Point Lay
WIND SPEED-
DIURNAL VARIATION
3202
11.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

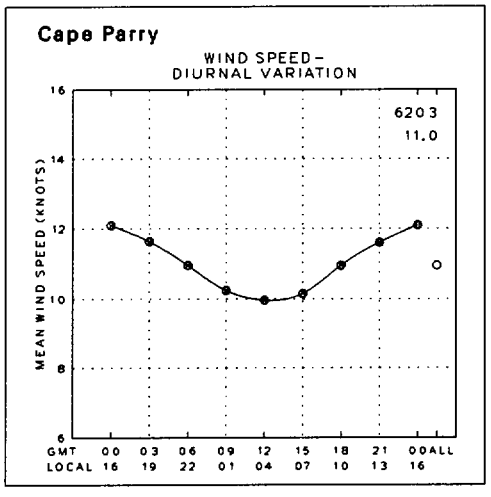

Barrow
WIND SPEED-
DIURNAL VARIATION
8858
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

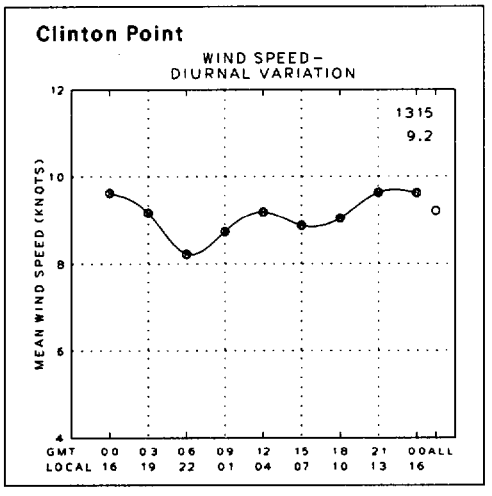

Lonely
WIND SPEED-
DIURNAL VARIATION
3127
8.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

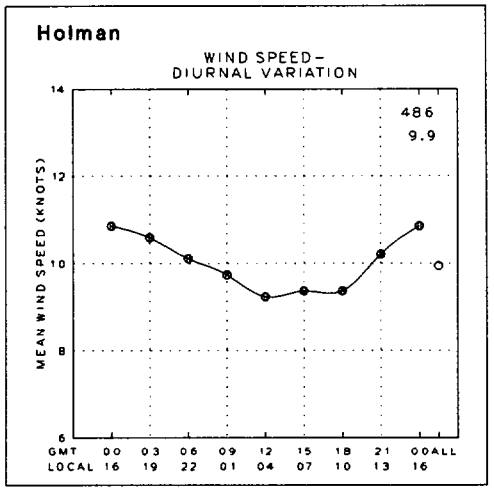

Oliktok
WIND SPEED-
DIURNAL VARIATION
3224
9.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

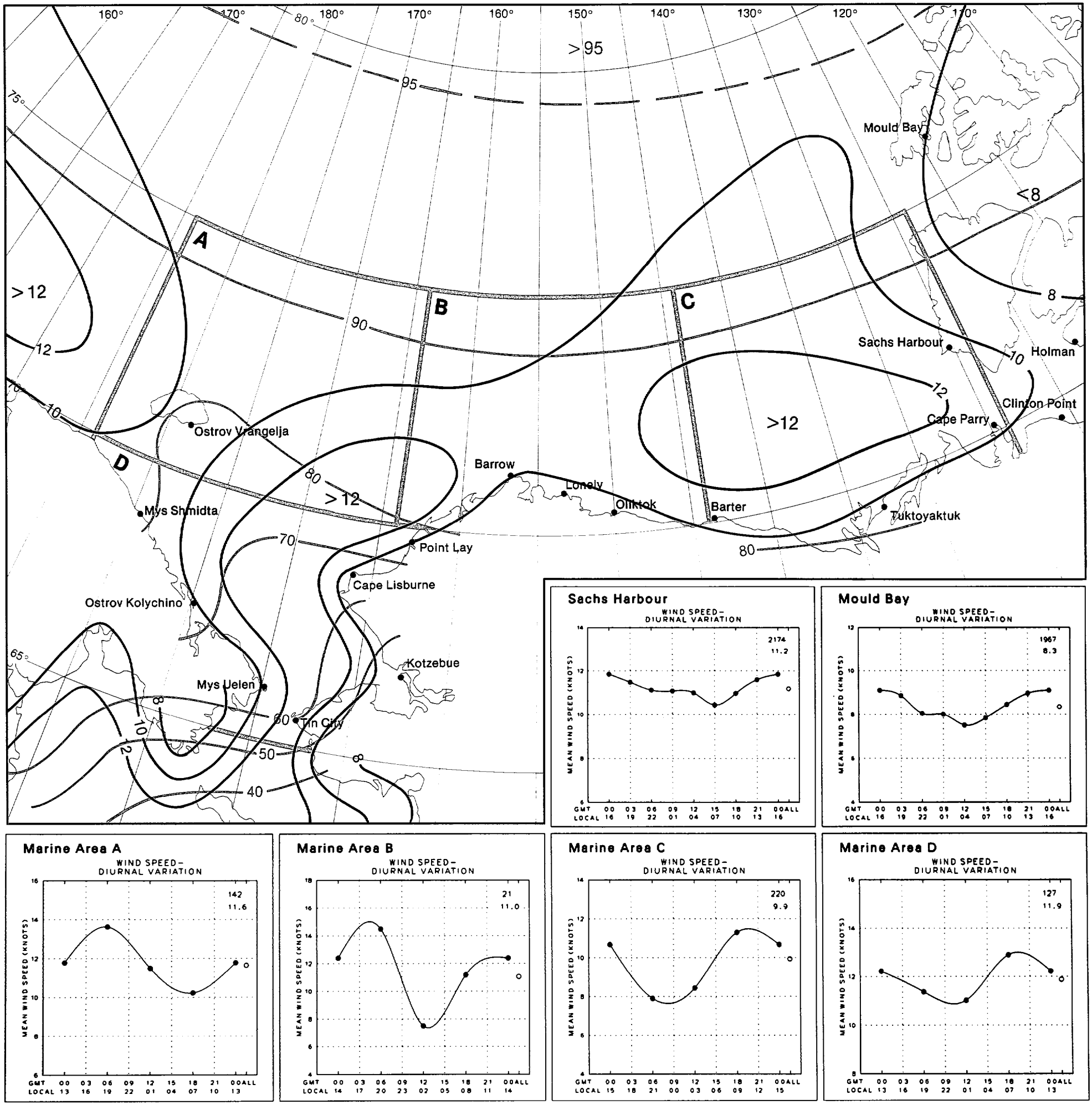

Barter
WIND SPEED-
DIURNAL VARIATION
8922
10.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1612
9.3
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6203
11.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

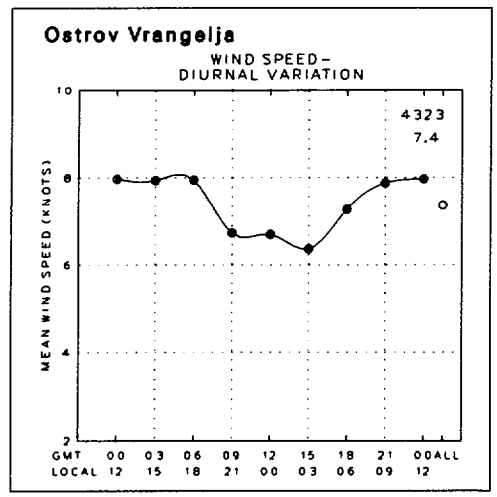

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1315
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

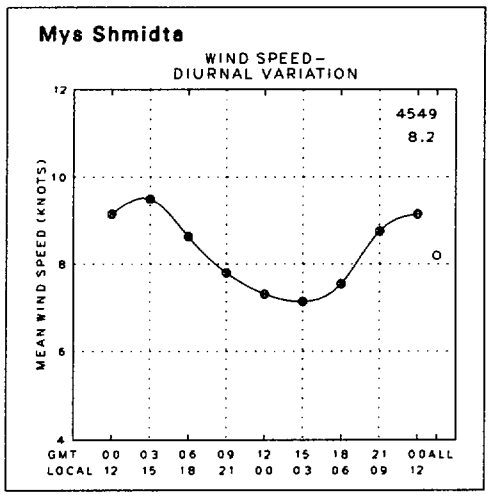

Holman
WIND SPEED-
DIURNAL VARIATION
486
9.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

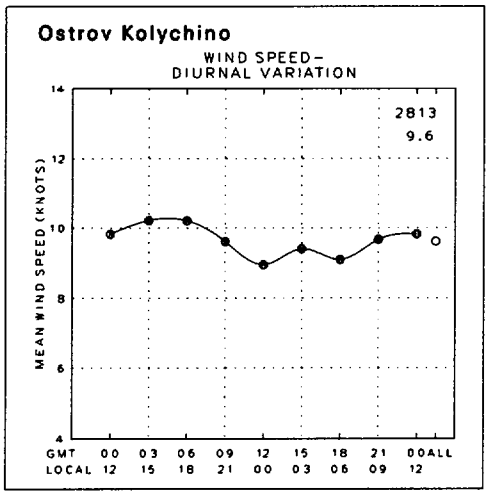


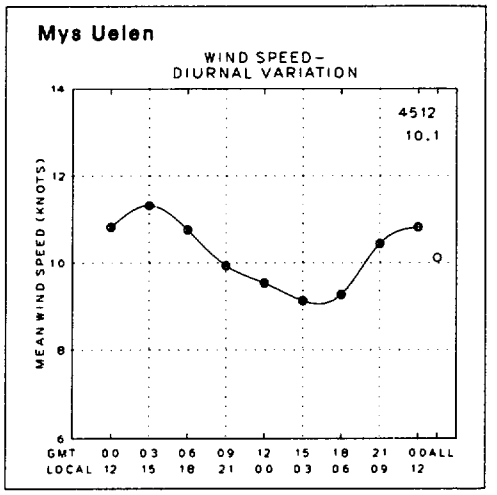
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

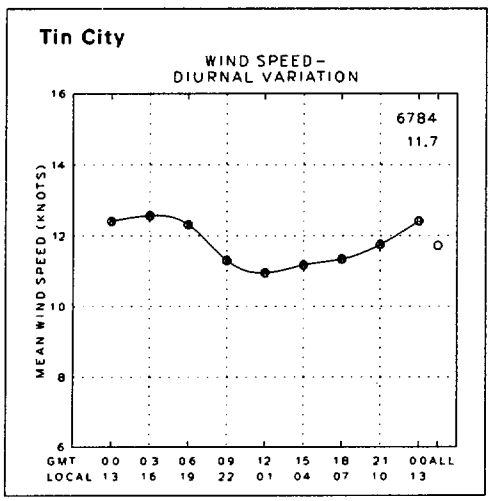
May

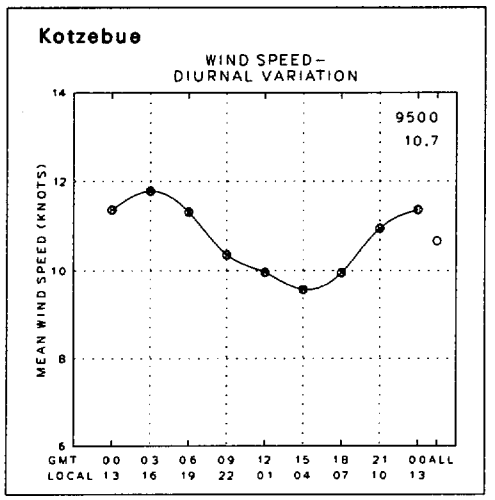

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4323
7.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

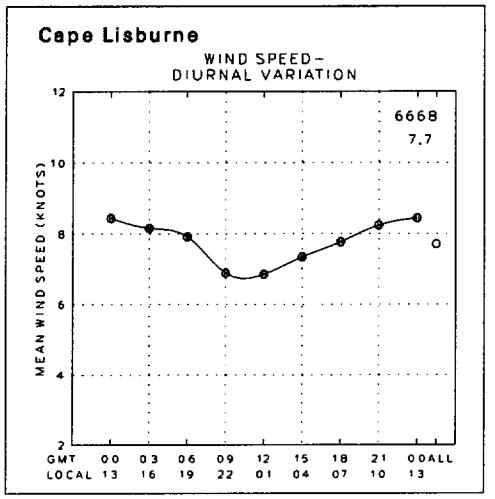

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4549
8.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

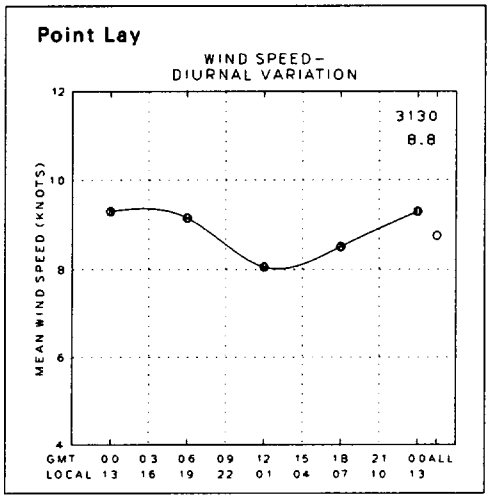

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2813
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

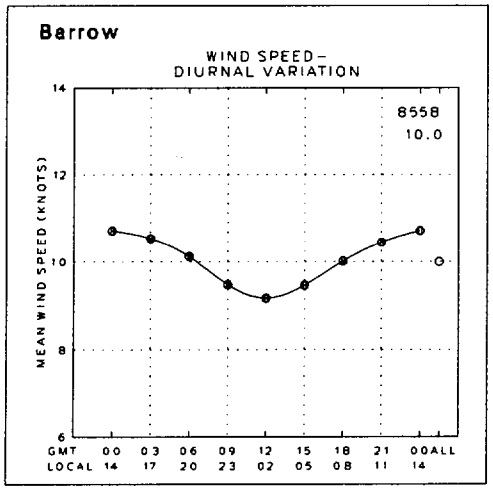

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4512
10.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

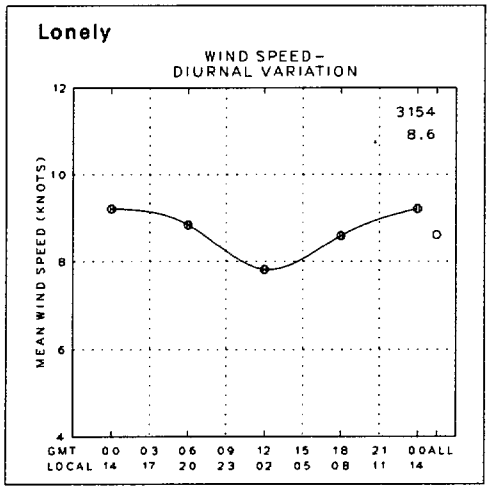

Tin City
WIND SPEED-
DIURNAL VARIATION
6784
11.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

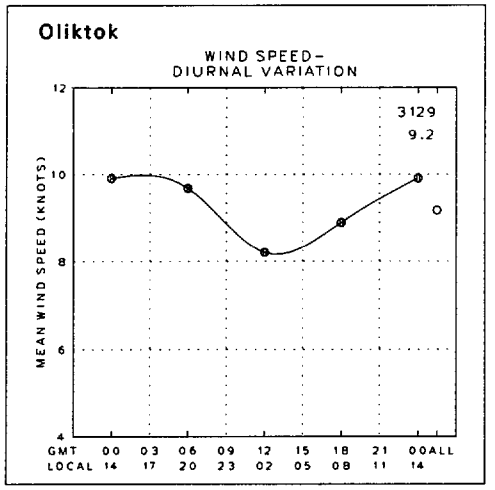

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9500
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

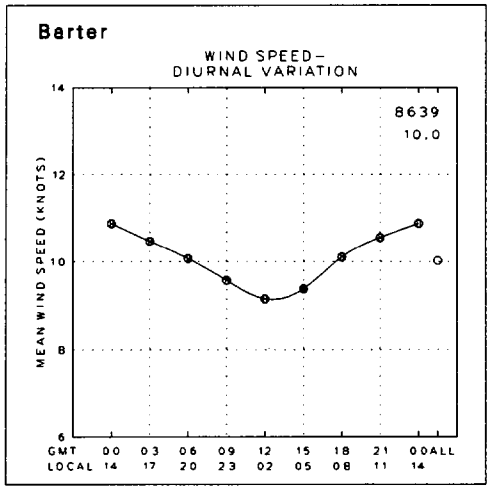

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6668
7.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

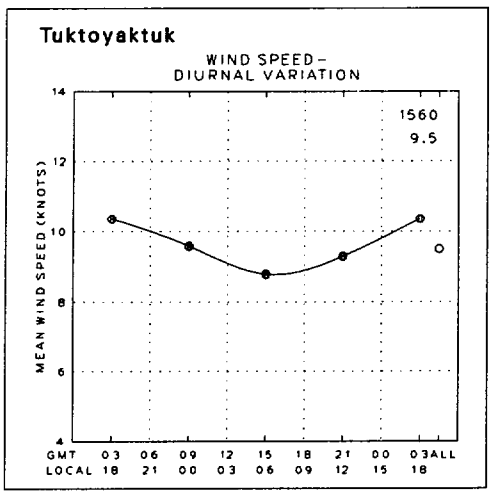

Point Lay
WIND SPEED-
DIURNAL VARIATION
3130
8.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

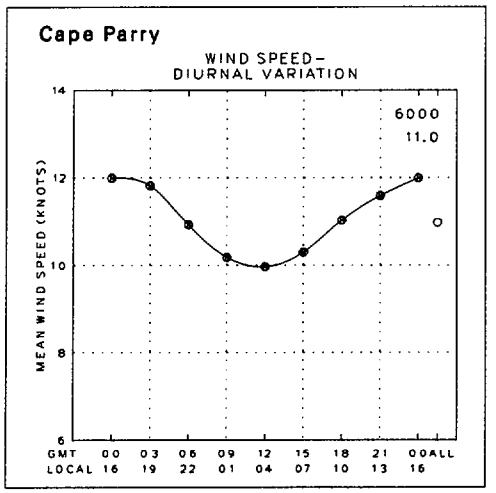

Barrow
WIND SPEED-
DIURNAL VARIATION
8558
10.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

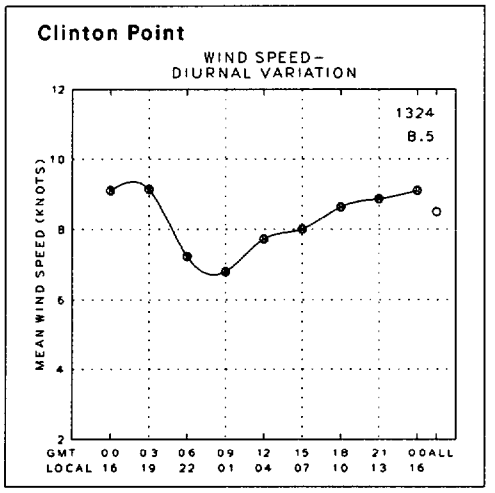

Lonely
WIND SPEED-
DIURNAL VARIATION
3154
8.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

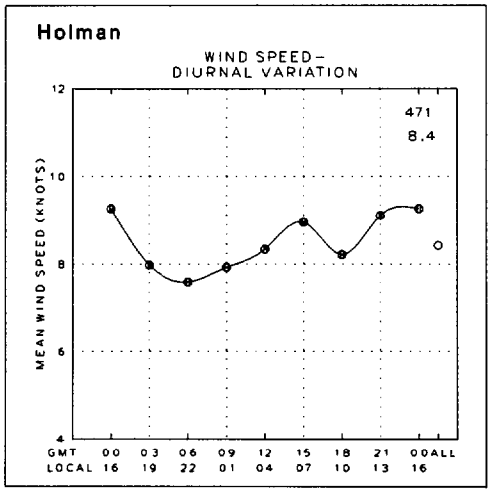

Oliktok
WIND SPEED-
DIURNAL VARIATION
3129
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

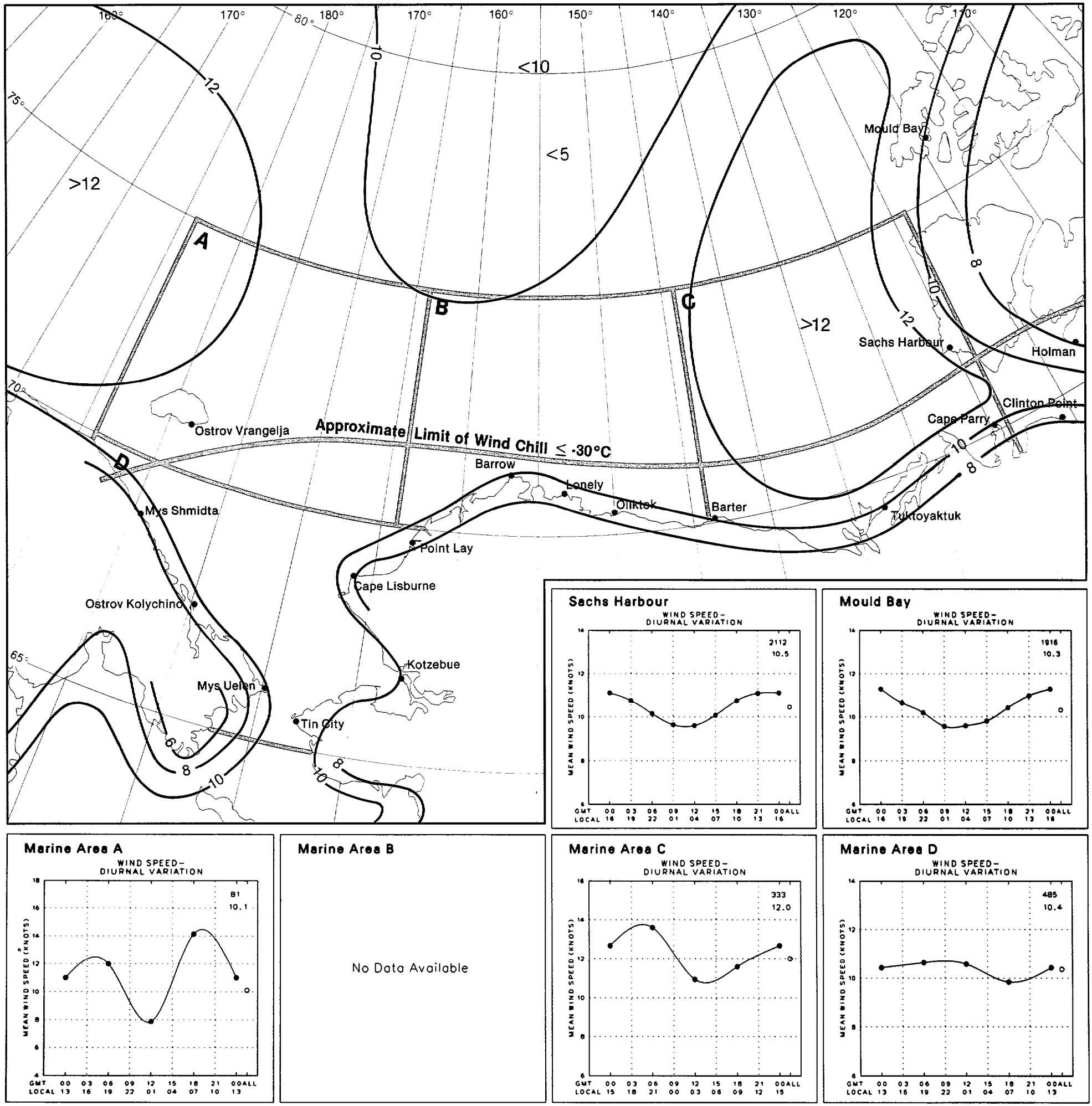

Barter
WIND SPEED-
DIURNAL VARIATION
8639
10.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1560
9.5
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18

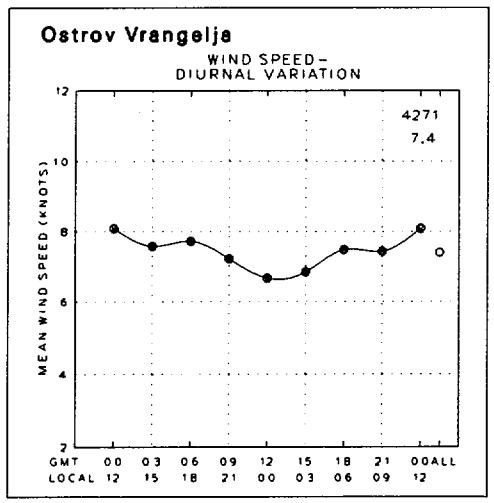

Cape Parry
WIND SPEED-
DIURNAL VARIATION
6000
11.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

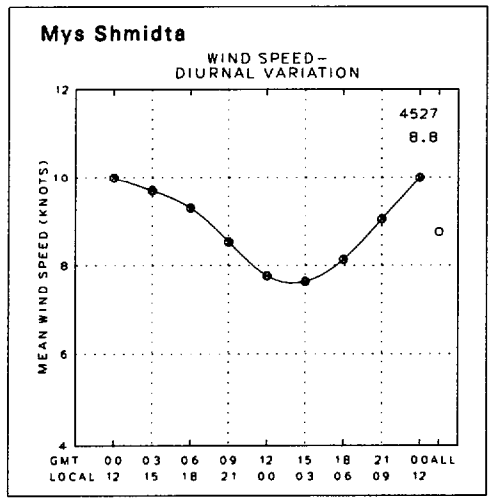

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1324
8.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

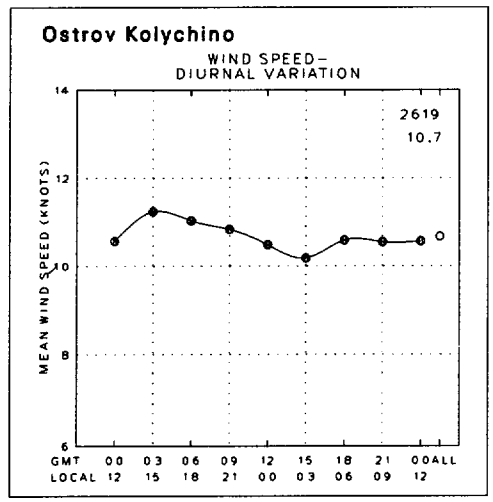

Holman
WIND SPEED-
DIURNAL VARIATION
471
8.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

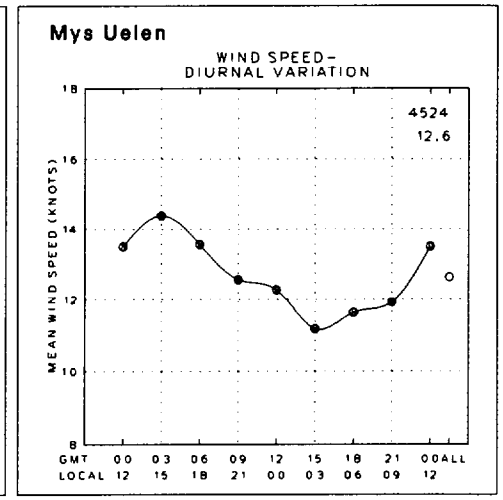


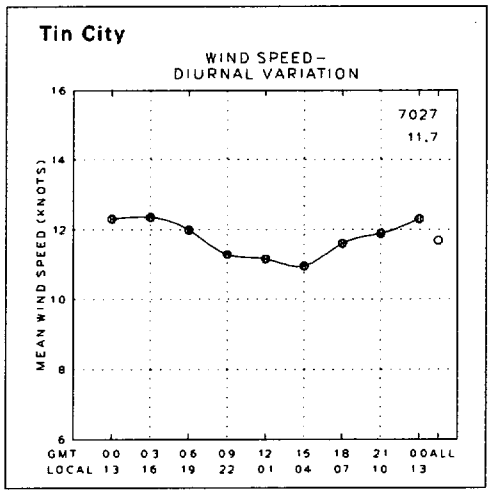
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C **June**

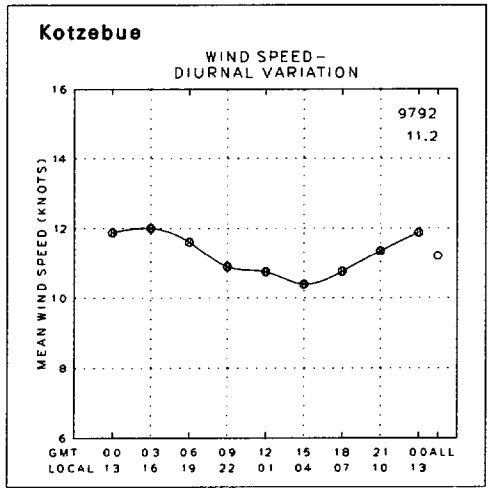

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4271
7.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

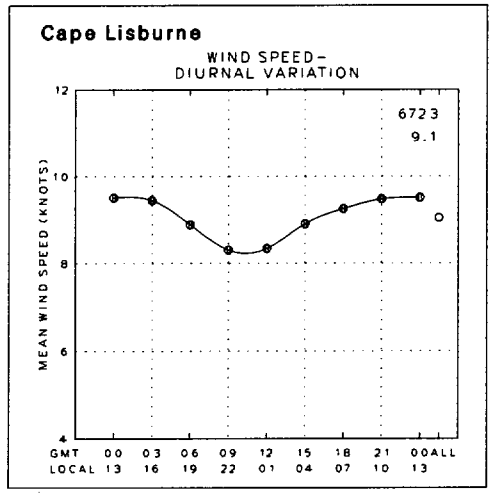

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4527
8.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

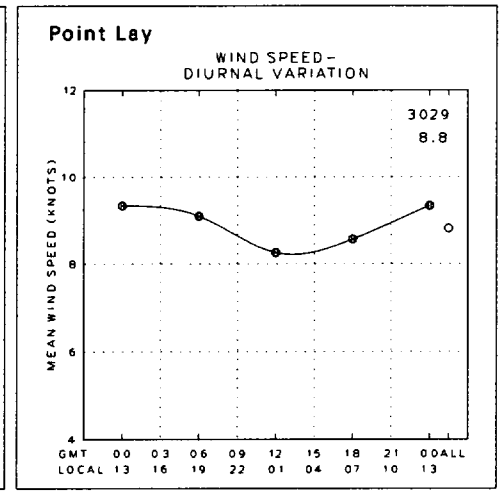

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2619
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

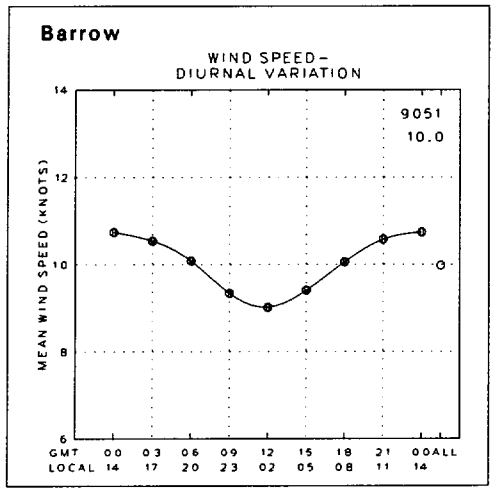

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4524
12.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

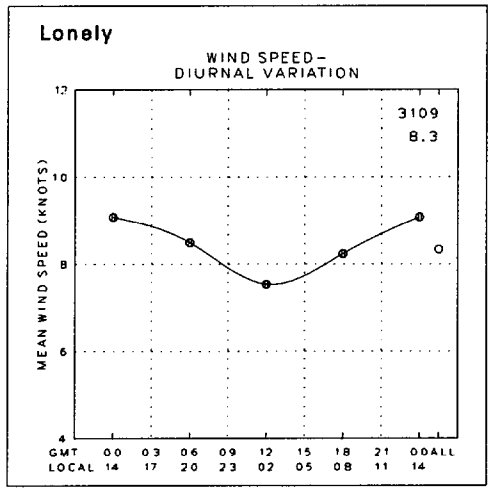

Tin City
WIND SPEED-
DIURNAL VARIATION
7027
11.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

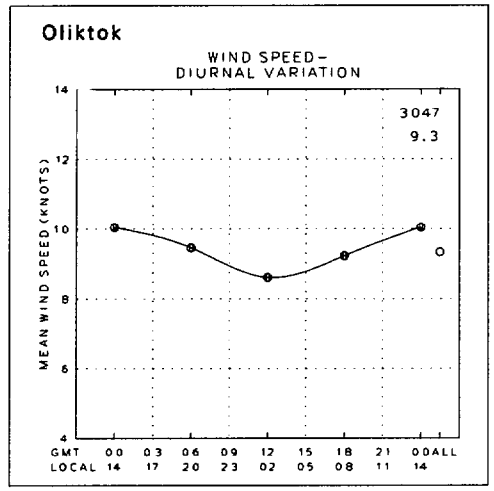

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9792
11.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

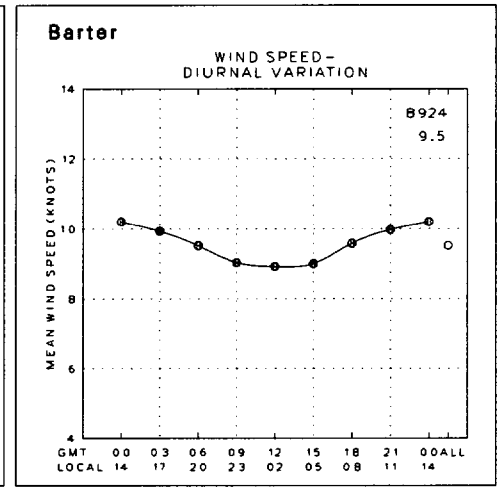

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6723
9.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

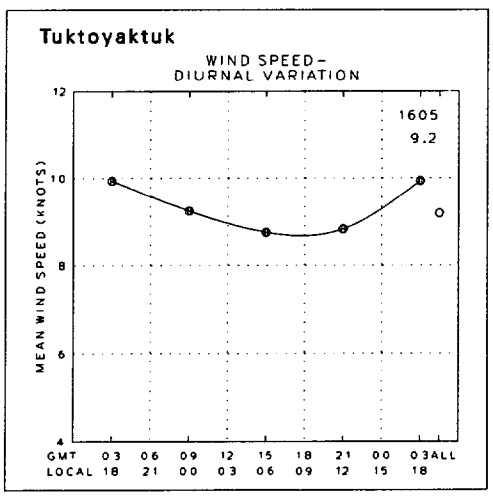

Point Lay
WIND SPEED-
DIURNAL VARIATION
3029
8.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

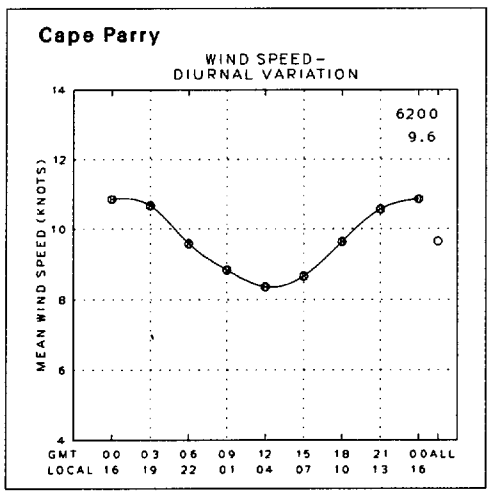

Barrow
WIND SPEED-
DIURNAL VARIATION
9051
10.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

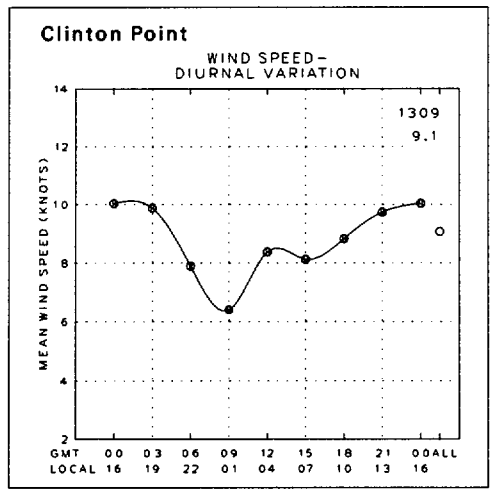

Lonely
WIND SPEED-
DIURNAL VARIATION
3109
8.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

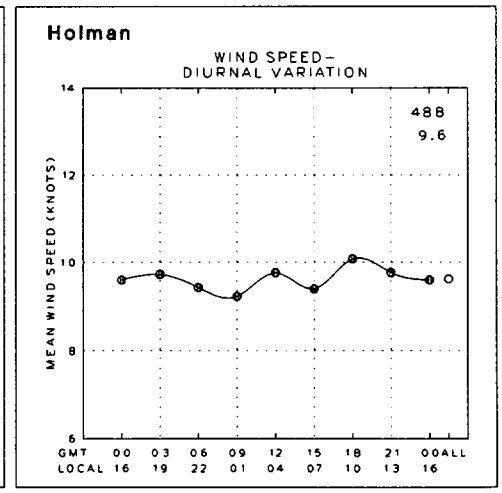

Oliktok
WIND SPEED-
DIURNAL VARIATION
3047
9.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

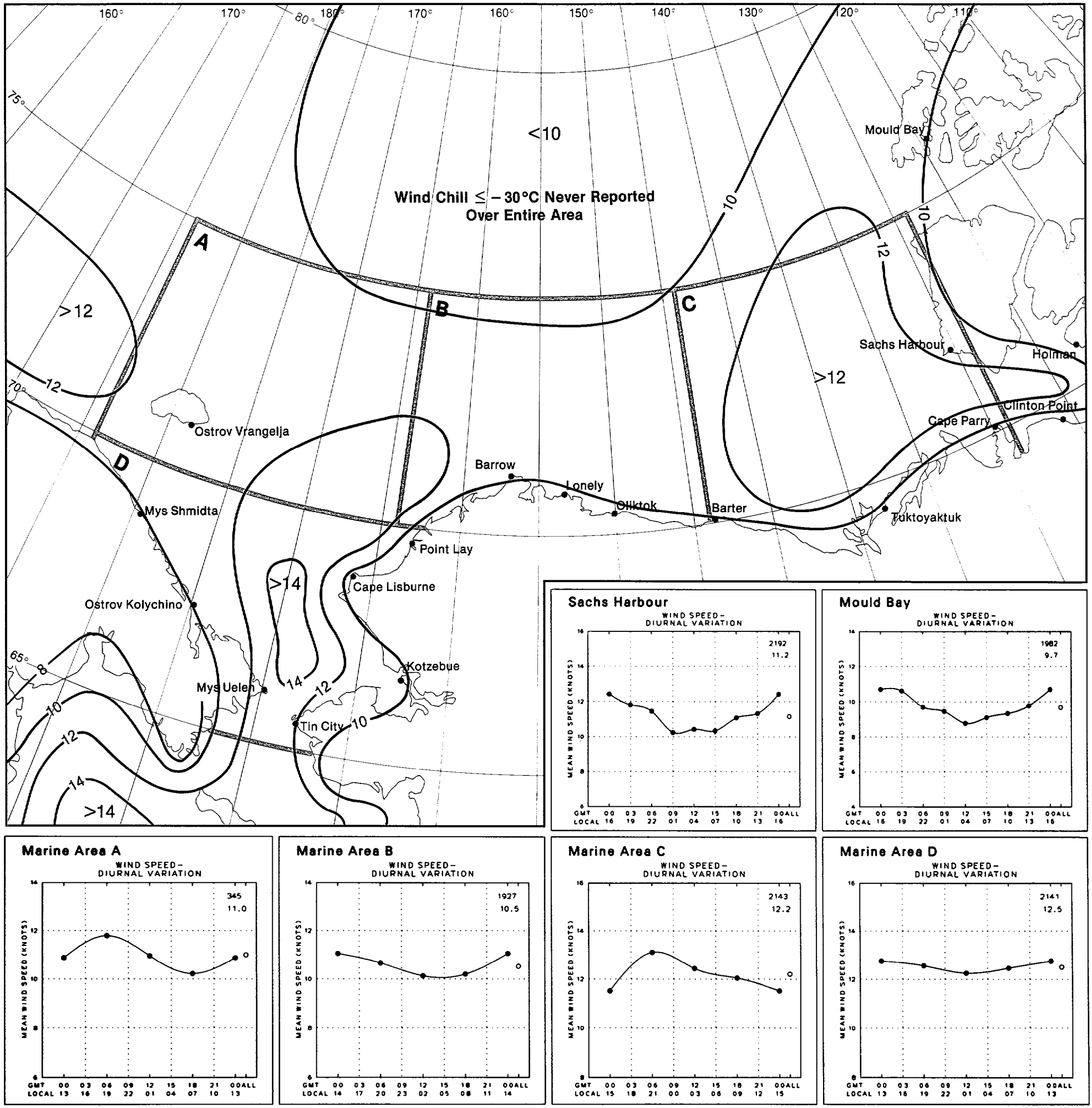

Barter
WIND SPEED-
DIURNAL VARIATION
8924
9.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1605
9.2
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18

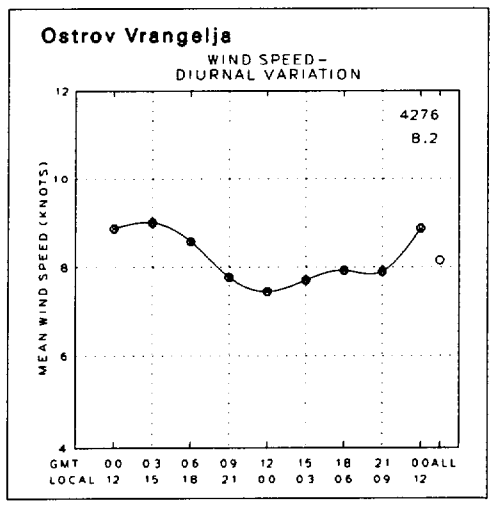

Cape Parry
WIND SPEED-
DIURNAL VARIATION
6200
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

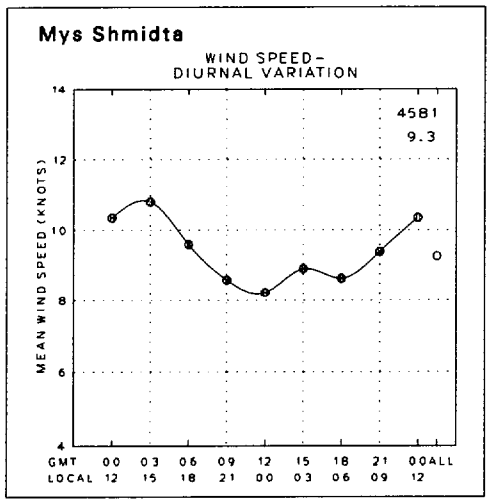

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1309
9.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

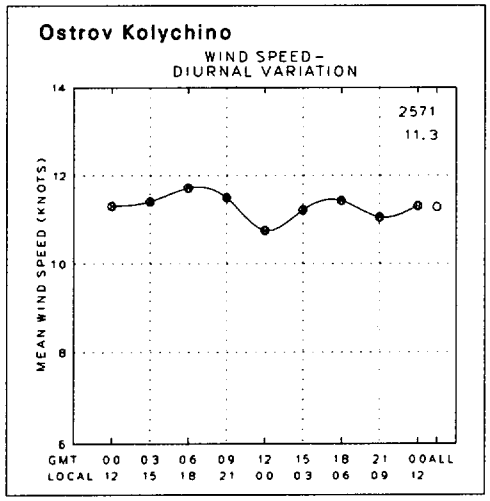

Holman
WIND SPEED-
DIURNAL VARIATION
488
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

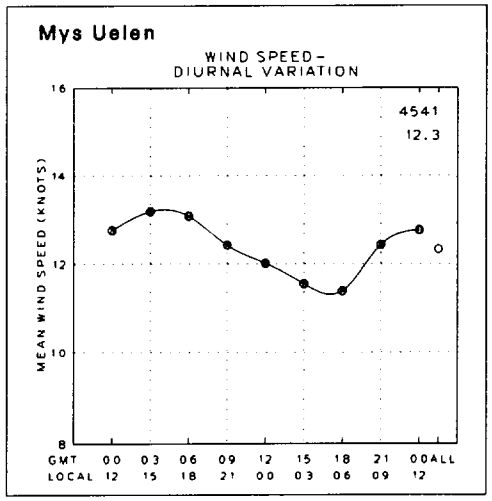


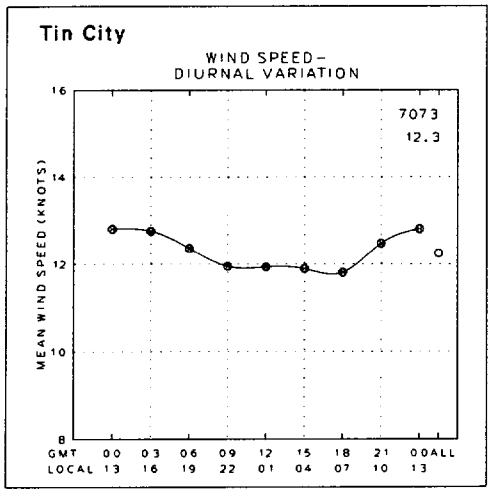
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

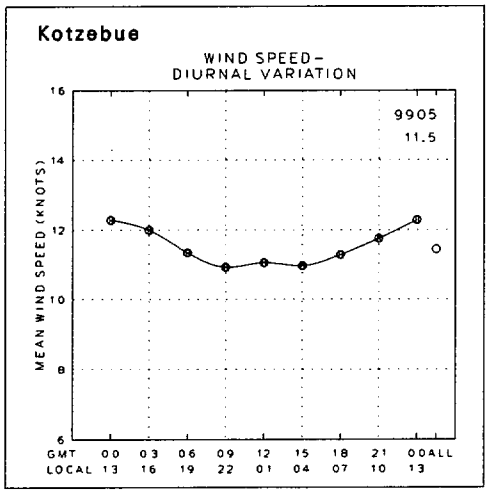

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4276
8.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

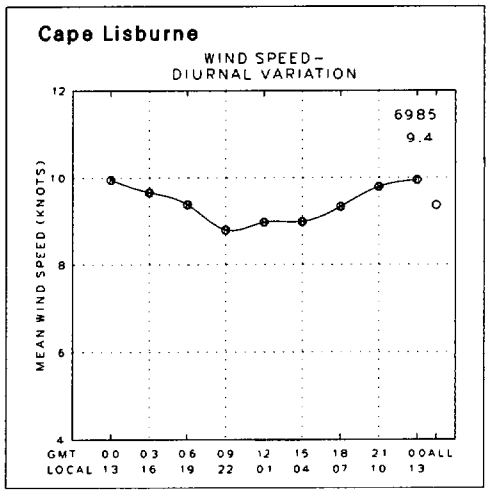

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4581
9.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

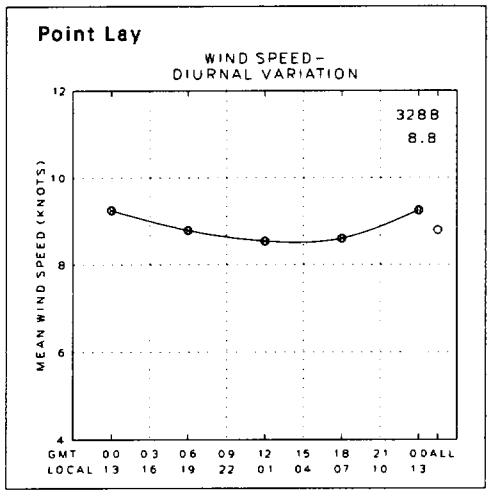

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2571
11.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

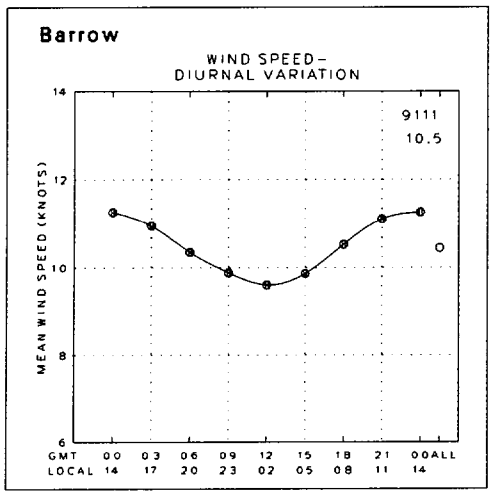

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4541
12.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

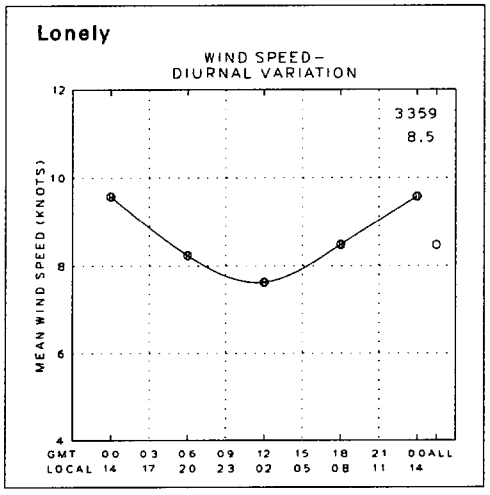

Tin City
WIND SPEED-
DIURNAL VARIATION
7073
12.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

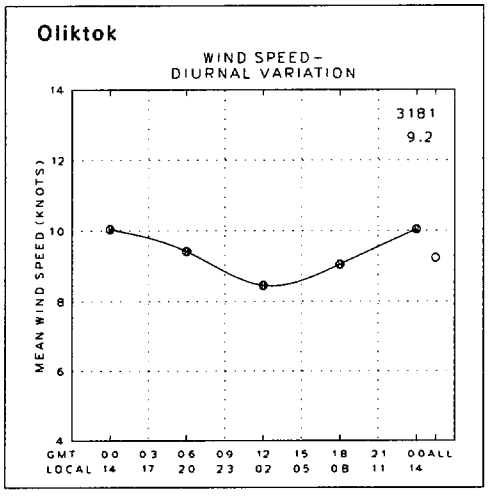

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9905
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

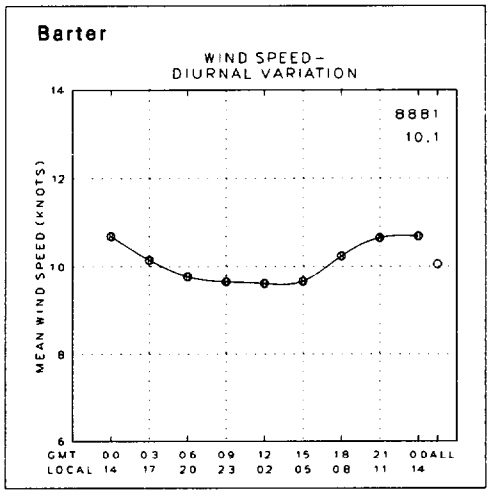

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6985
9.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

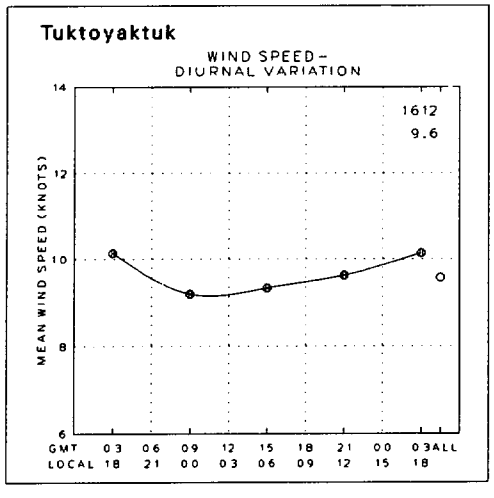

Point Lay
WIND SPEED-
DIURNAL VARIATION
3288
8.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

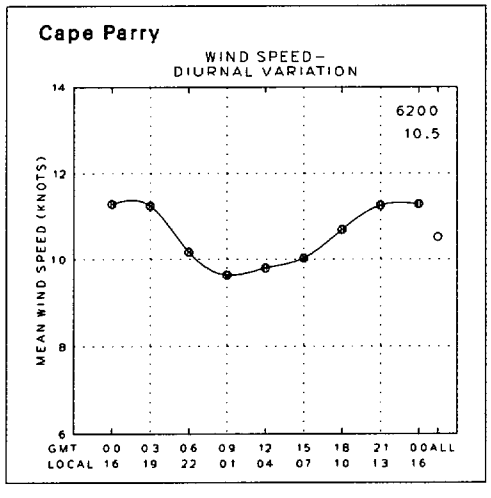

Barrow
WIND SPEED-
DIURNAL VARIATION
9111
10.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

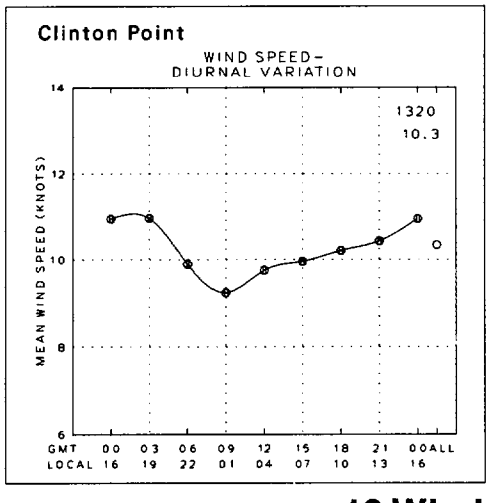

Lonely
WIND SPEED-
DIURNAL VARIATION
3359
8.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

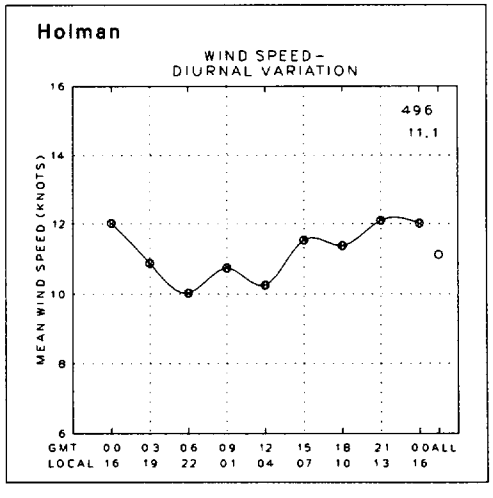

Oliktok
WIND SPEED-
DIURNAL VARIATION
3181
9.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

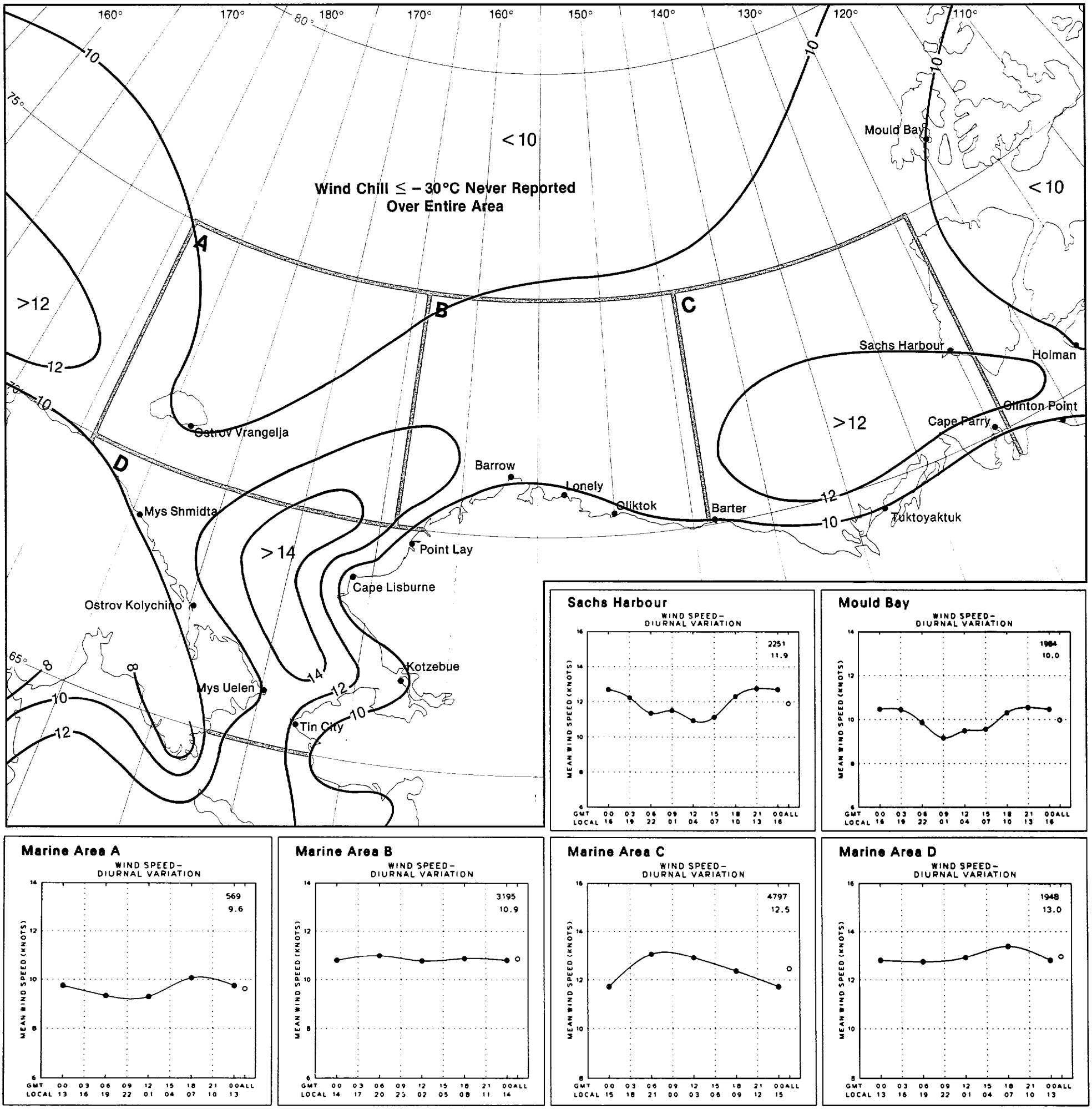

Barter
WIND SPEED-
DIURNAL VARIATION
8881
10.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1612
9.6
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6200
10.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

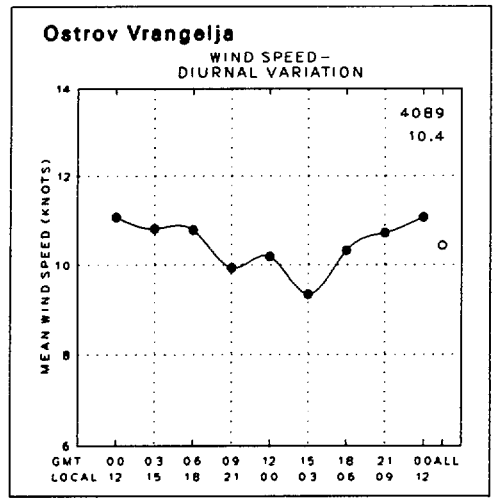

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1320
10.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

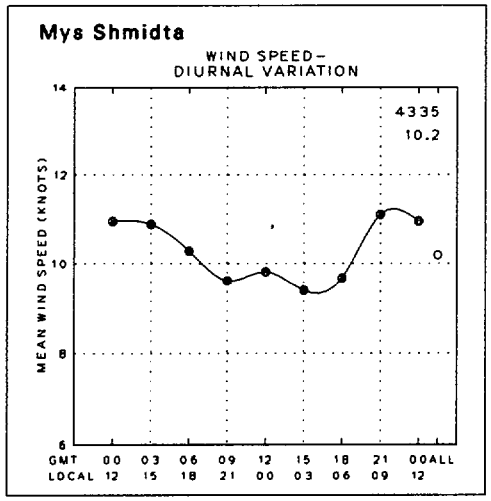

Holman
WIND SPEED-
DIURNAL VARIATION
496
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

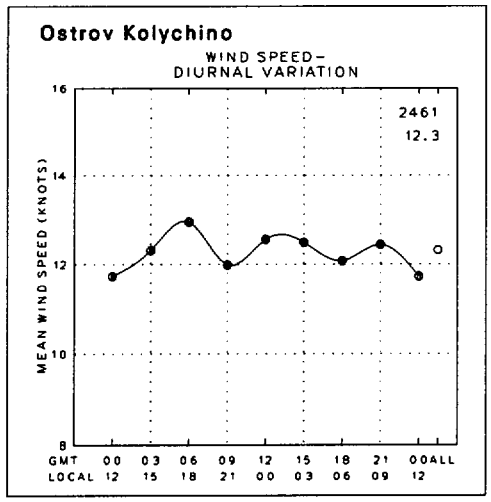


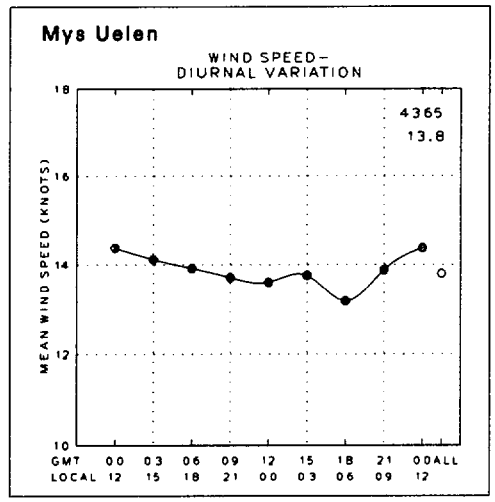
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

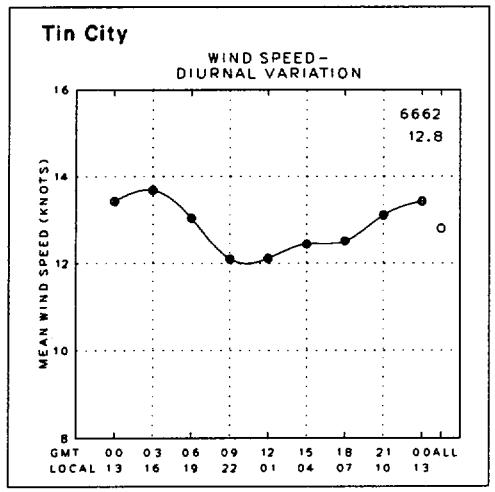
August

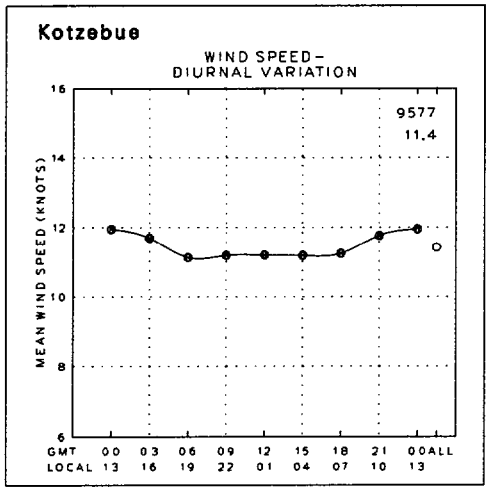

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4089
10.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

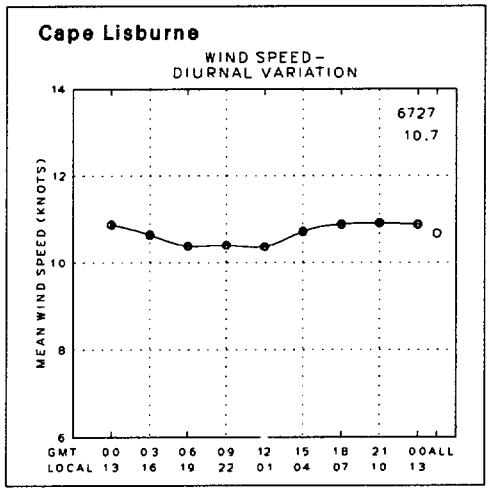

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4335
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

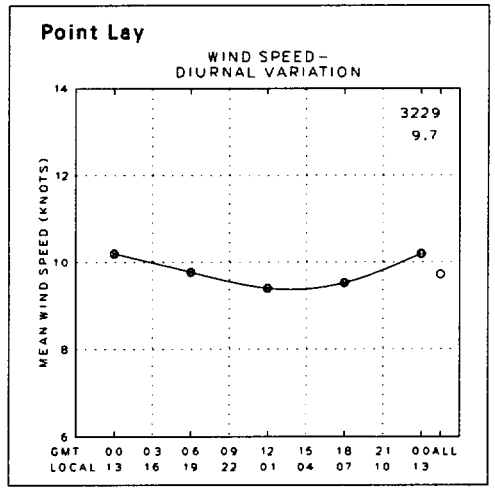

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2461
12.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

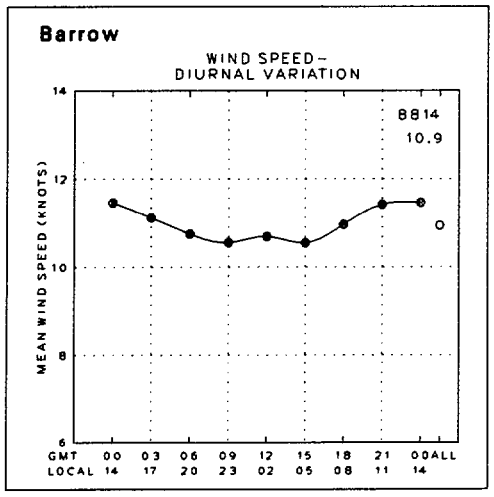

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4365
13.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

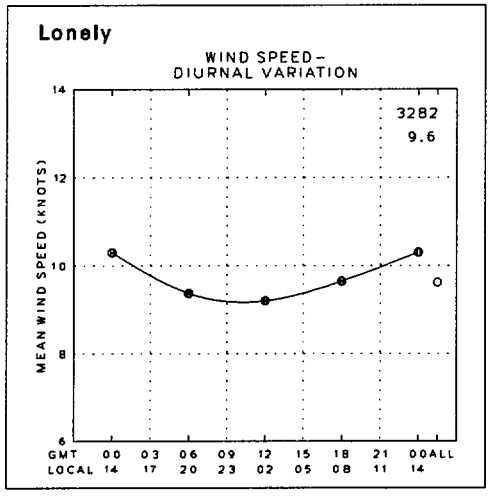

Tin City
WIND SPEED-
DIURNAL VARIATION
6662
12.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

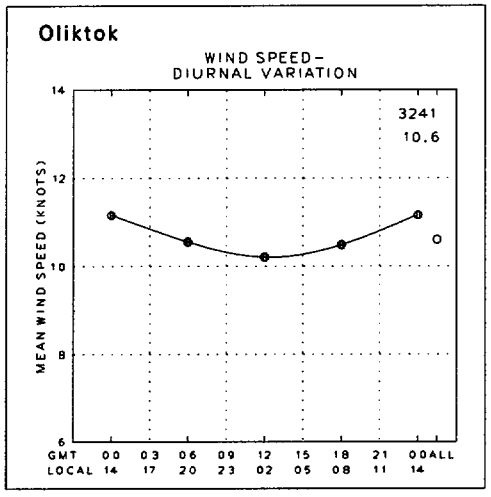

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9577
11.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

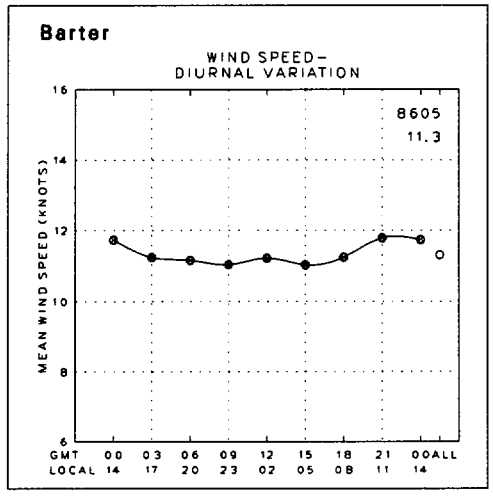

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6727
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

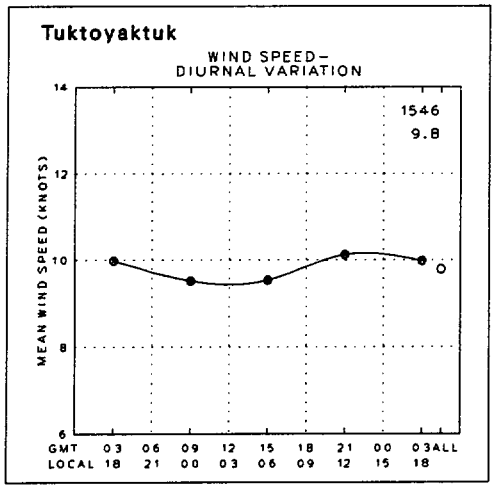

Point Lay
WIND SPEED-
DIURNAL VARIATION
3229
9.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

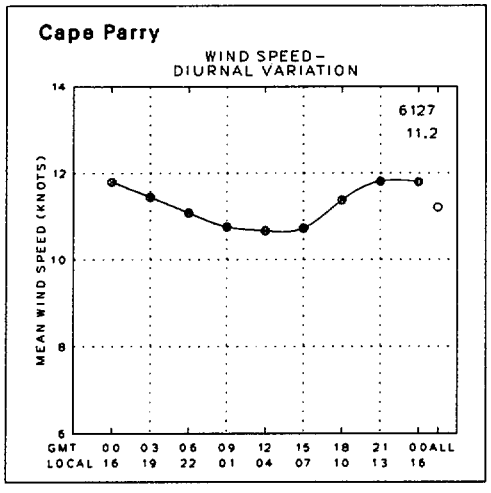

Barrow
WIND SPEED-
DIURNAL VARIATION
8814
10.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

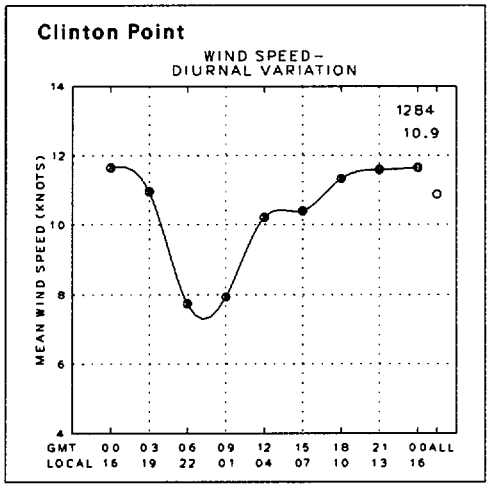

Lonely
WIND SPEED-
DIURNAL VARIATION
3282
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

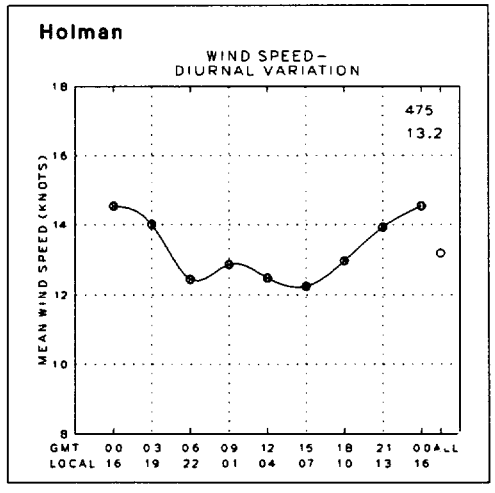

Oliktok
WIND SPEED-
DIURNAL VARIATION
3241
10.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

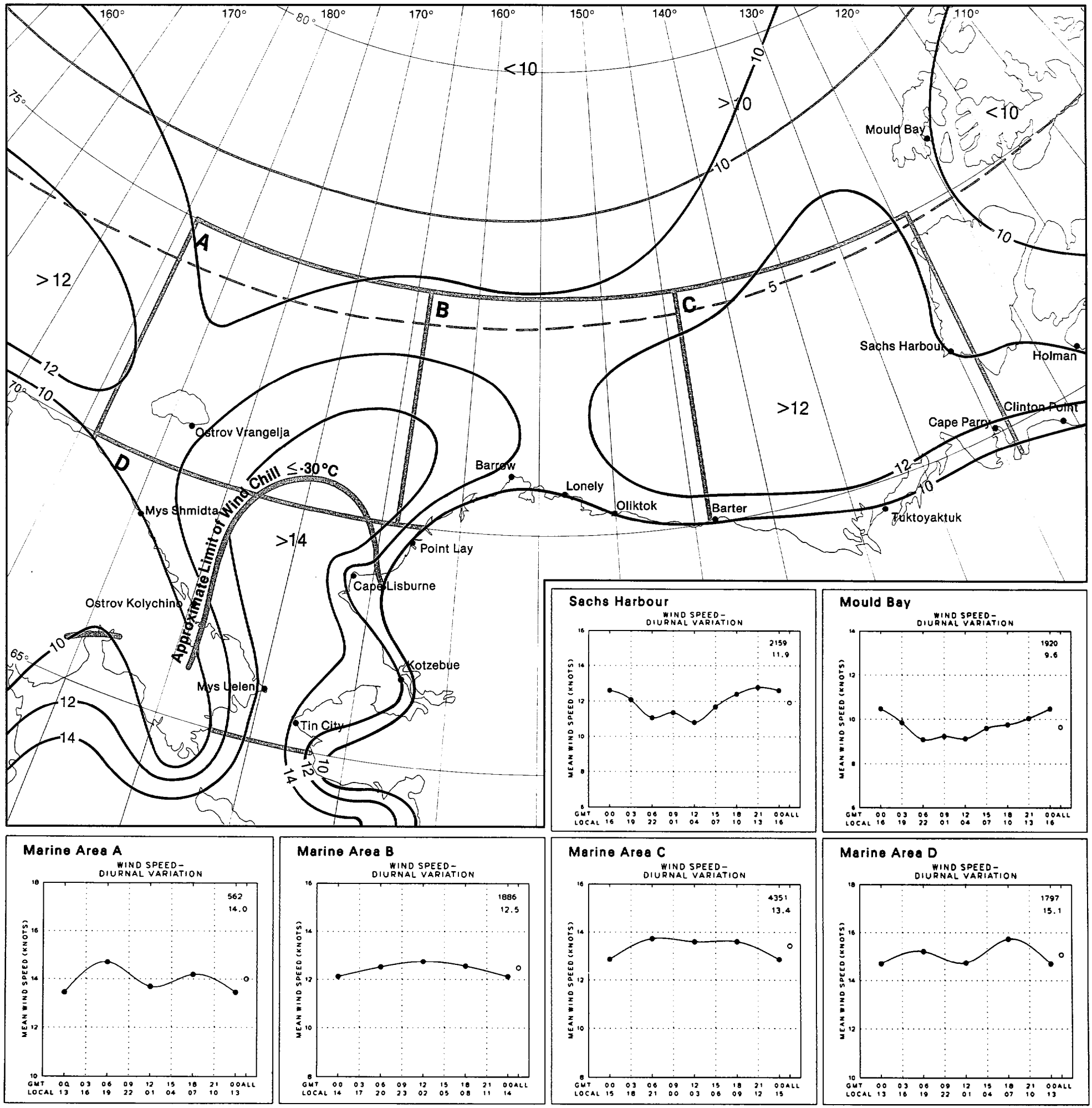

Barter
WIND SPEED-
DIURNAL VARIATION
8605
11.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1546
9.8
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6127
11.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

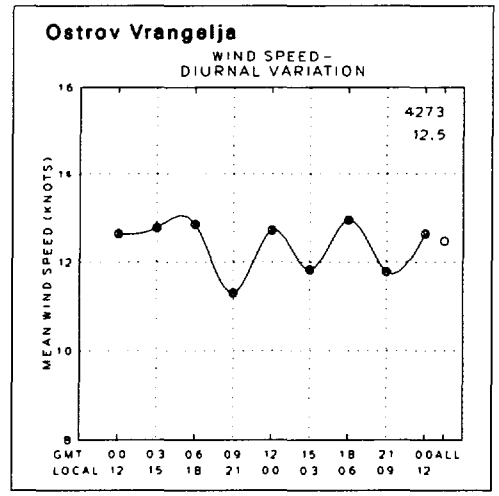

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1284
10.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

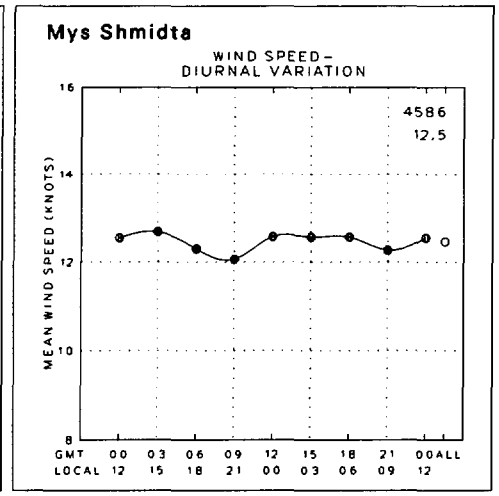

Holman
WIND SPEED-
DIURNAL VARIATION
475
13.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

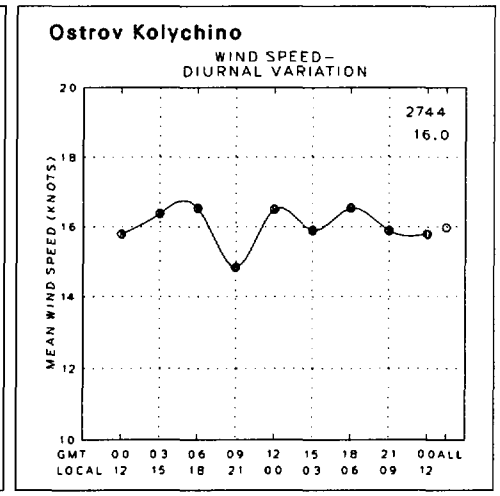


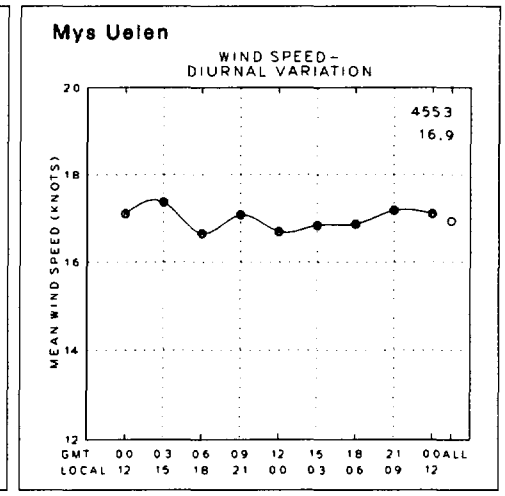
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

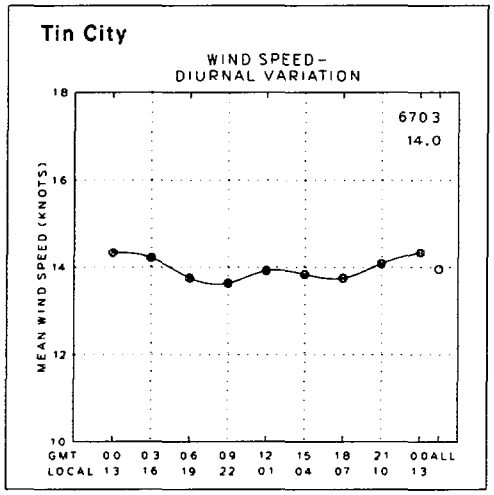
September

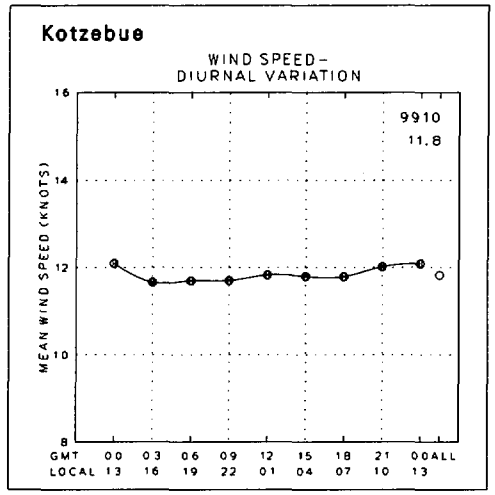

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4273
12.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

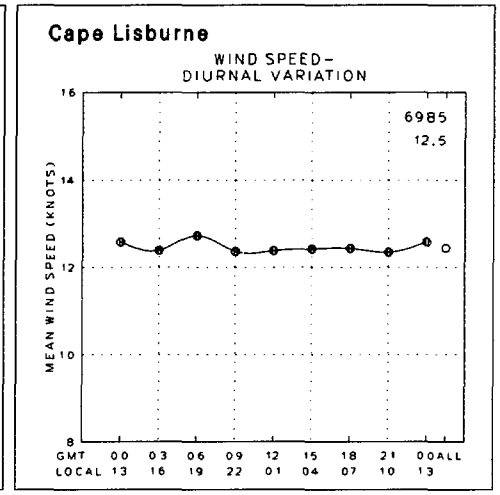

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4586
12.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

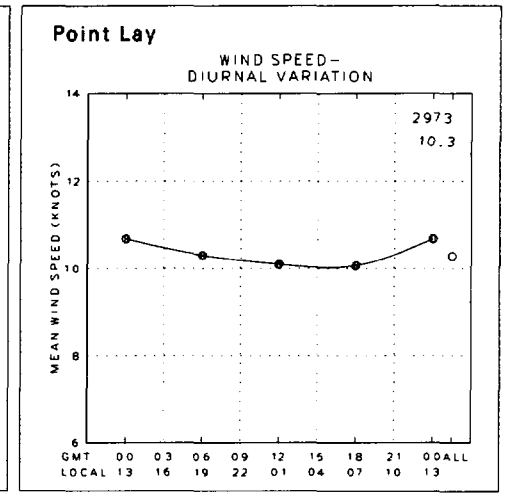

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2744
16.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

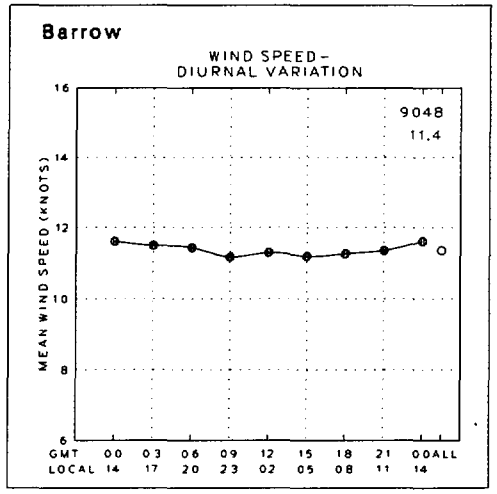

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4553
16.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

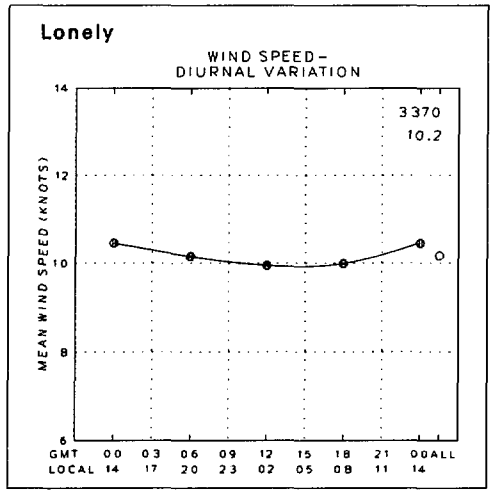

Tin City
WIND SPEED-
DIURNAL VARIATION
6703
14.0
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

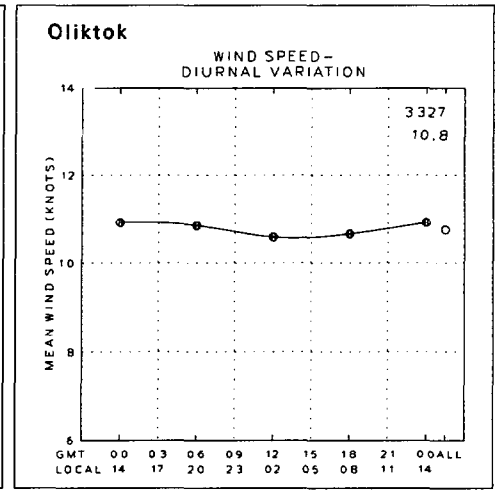

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9910
11.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

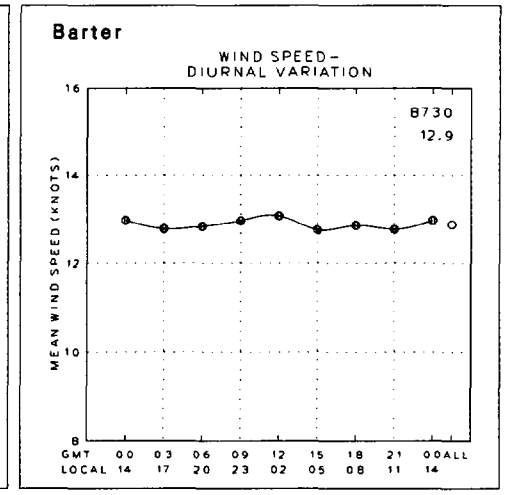

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6985
12.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

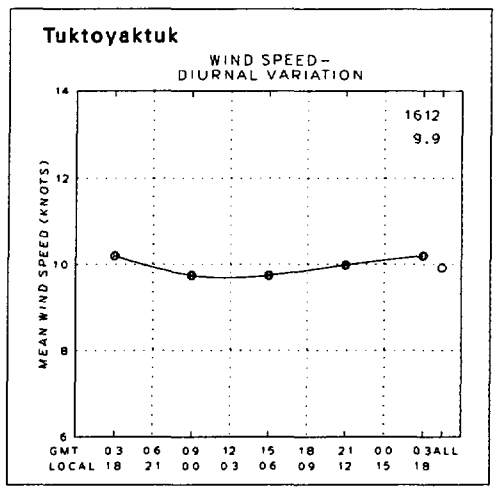

Point Lay
WIND SPEED-
DIURNAL VARIATION
2973
10.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

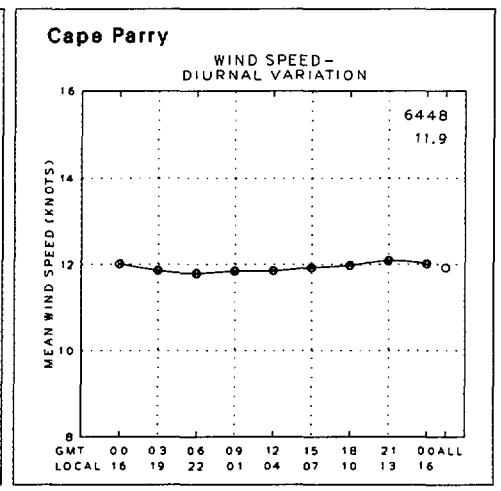

Barrow
WIND SPEED-
DIURNAL VARIATION
9048
11.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

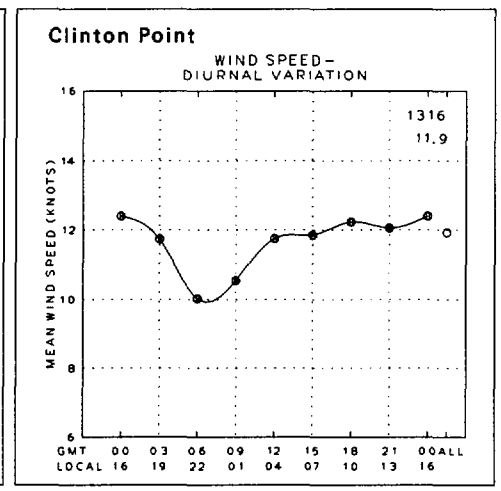

Lonely
WIND SPEED-
DIURNAL VARIATION
3370
10.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

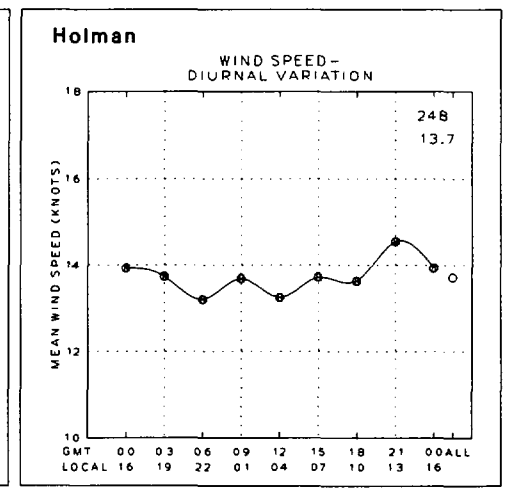

Oliktok
WIND SPEED-
DIURNAL VARIATION
3327
10.8
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

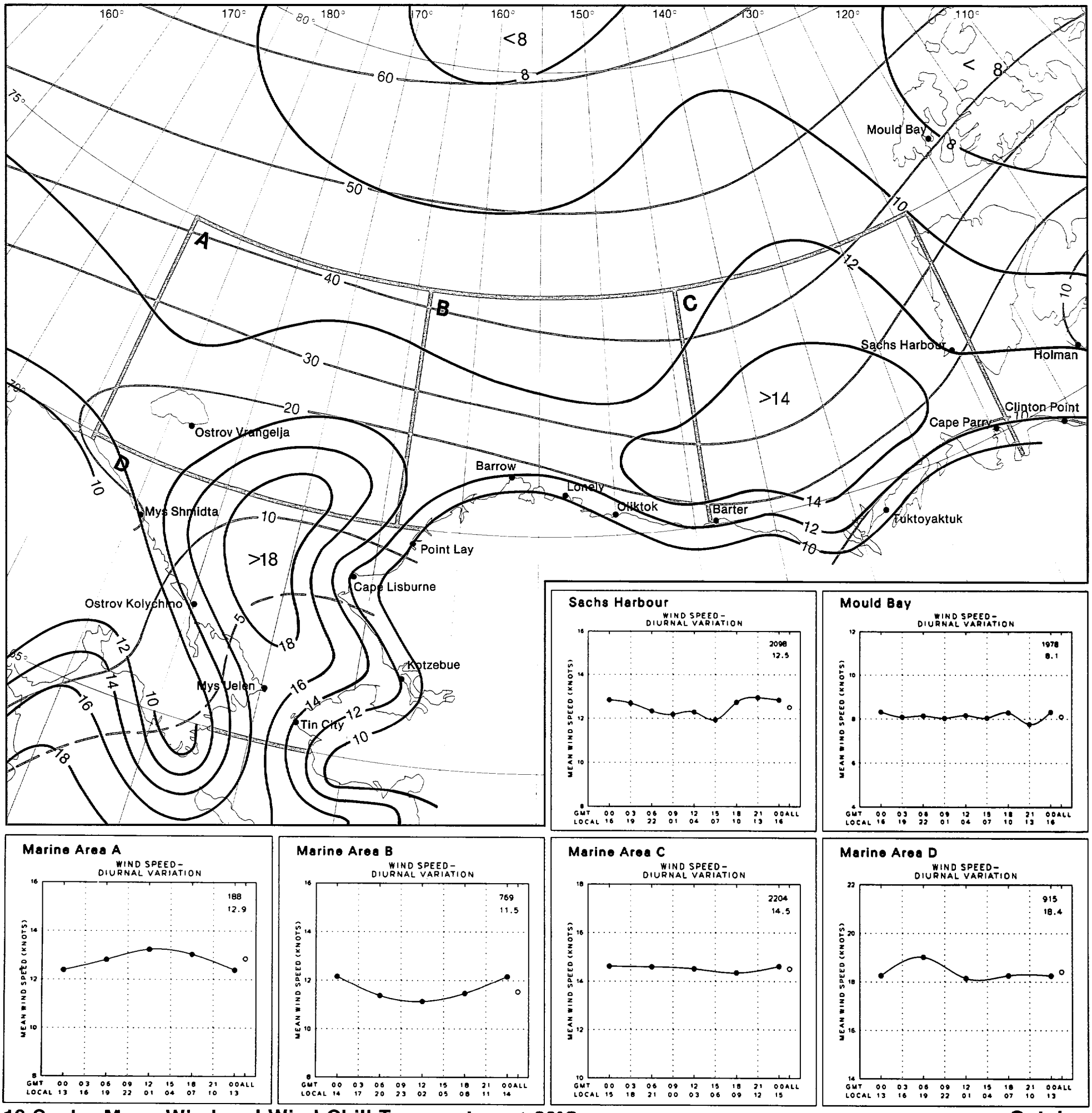

Barter
WIND SPEED-
DIURNAL VARIATION
8730
12.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

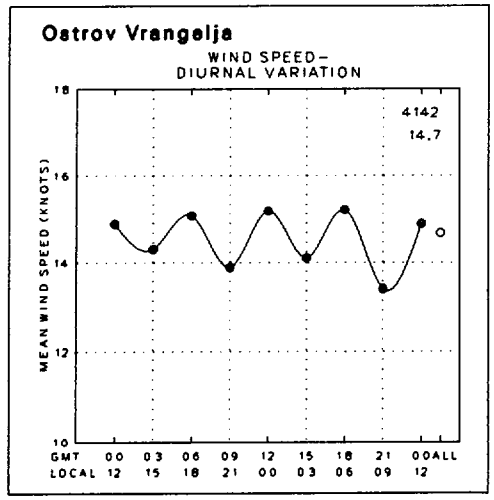

Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1612
9.9
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18

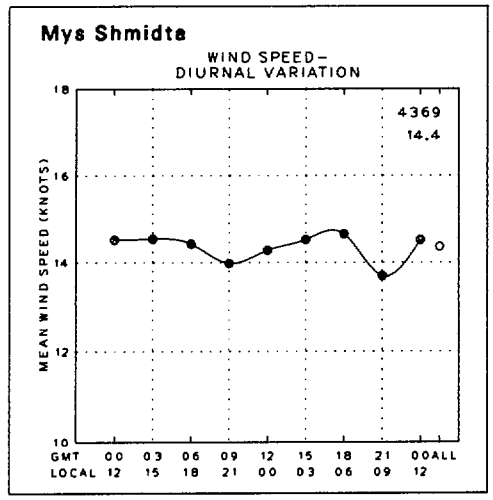

Cape Parry
WIND SPEED-
DIURNAL VARIATION
6448
11.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

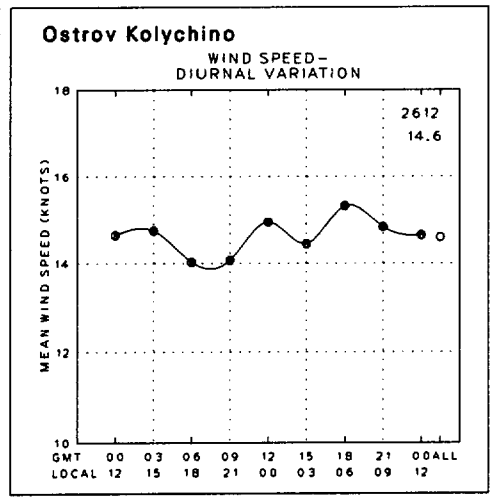

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1316
11.9
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

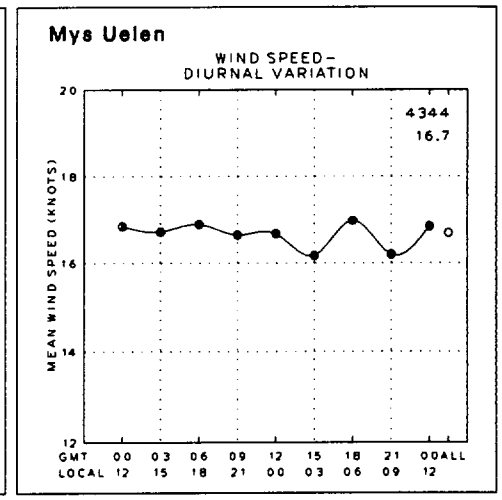

Holman
WIND SPEED-
DIURNAL VARIATION
248
13.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

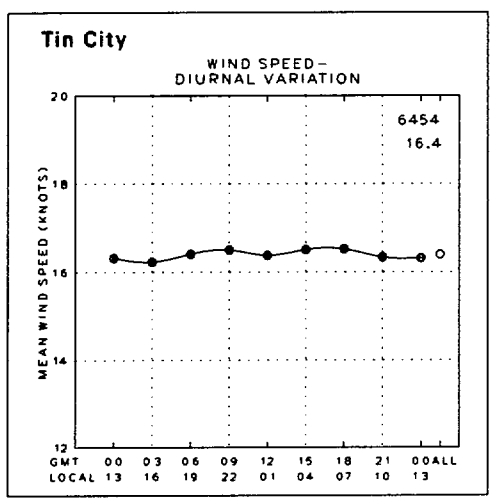

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychmo
Kotzebue
Mys Jelen
Tin City
A
B
C
D
<8
>14
>18
Sachs Harbour
WIND SPEED-
DIURNAL VARIATION
2098
12.5
Mould Bay
WIND SPEED-
DIURNAL VARIATION
1978
8.1
Marine Area A
WIND SPEED-
DIURNAL VARIATION
188
12.9
Marine Area B
WIND SPEED-
DIURNAL VARIATION
769
11.5
Marine Area C
WIND SPEED-
DIURNAL VARIATION
2204
14.5
Marine Area D
WIND SPEED-
DIURNAL VARIATION
915
18.4
MEAN WIND SPEED (KNOTS)
GMT
LOCAL

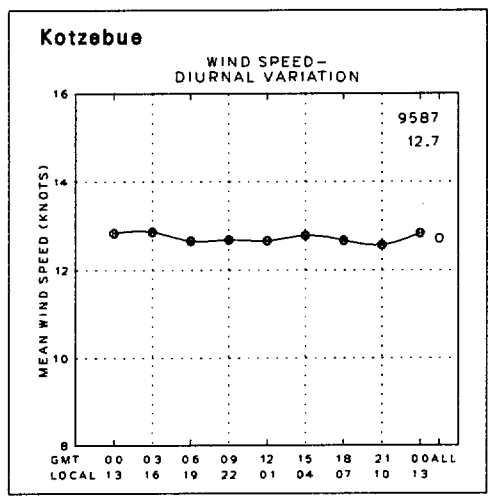

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4142
14.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

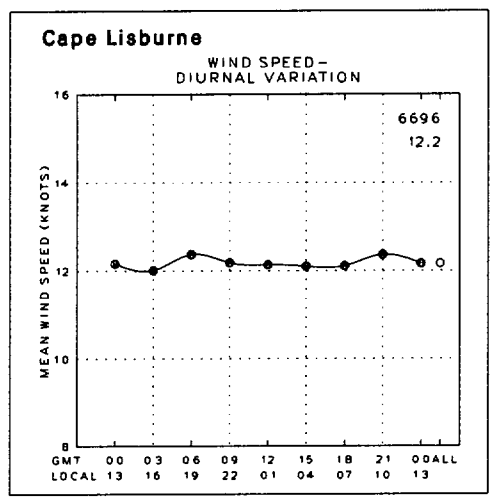

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4369
14.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

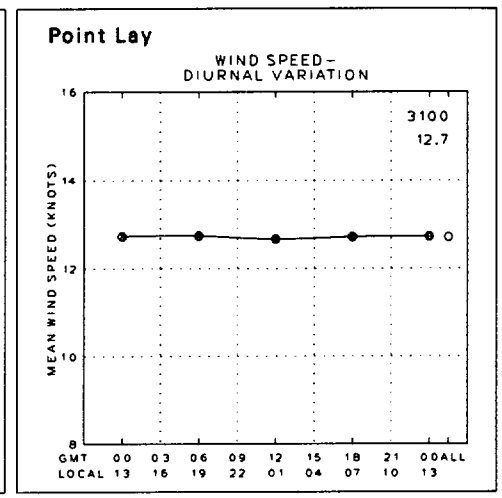

Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2612
14.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

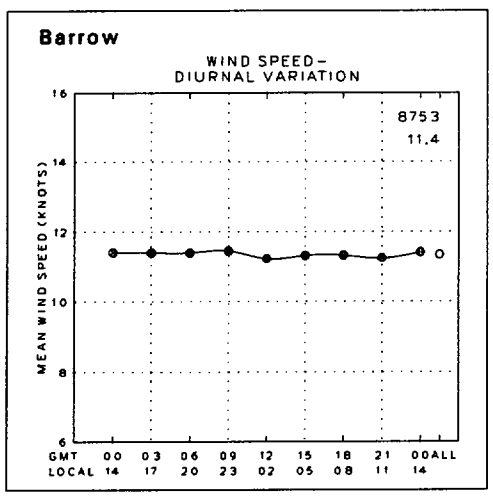

Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4344
16.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

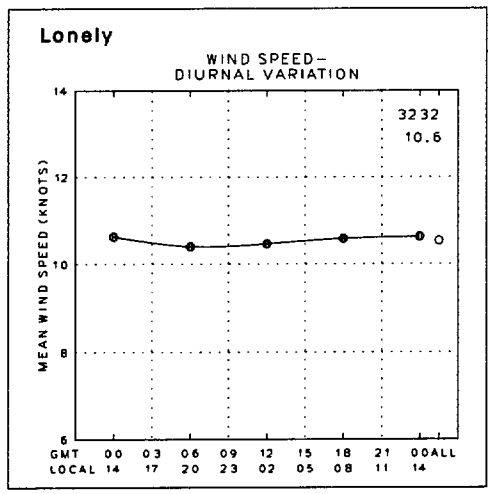

Tin City
WIND SPEED-
DIURNAL VARIATION
6454
16.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

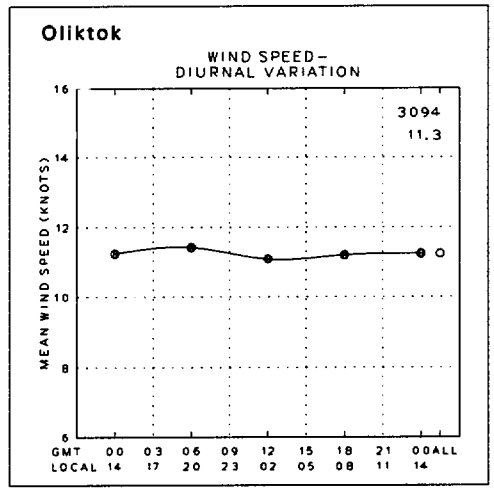

Kotzebue
WIND SPEED-
DIURNAL VARIATION
9587
12.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

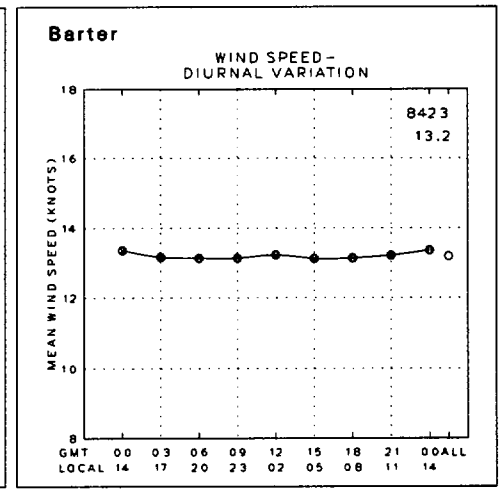

Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6696
12.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

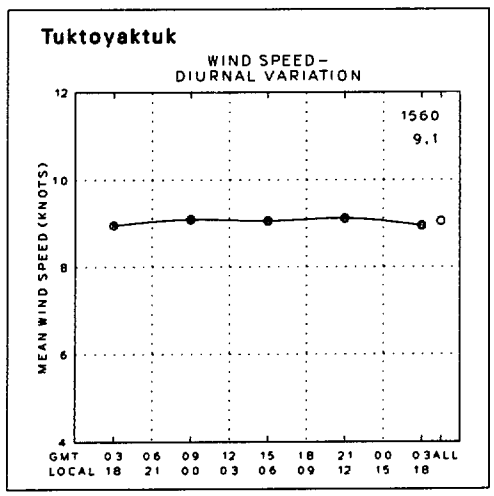

Point Lay
WIND SPEED-
DIURNAL VARIATION
3100
12.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13

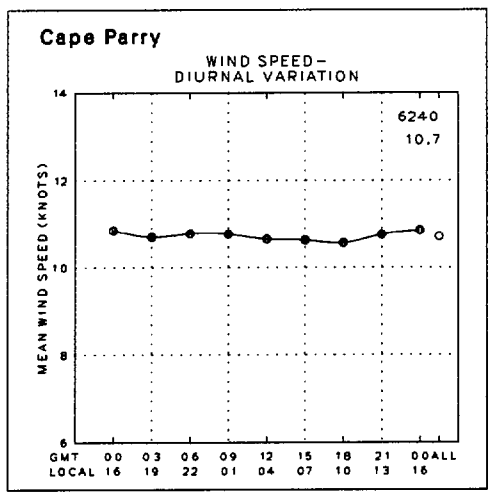

Barrow
WIND SPEED-
DIURNAL VARIATION
8753
11.4
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

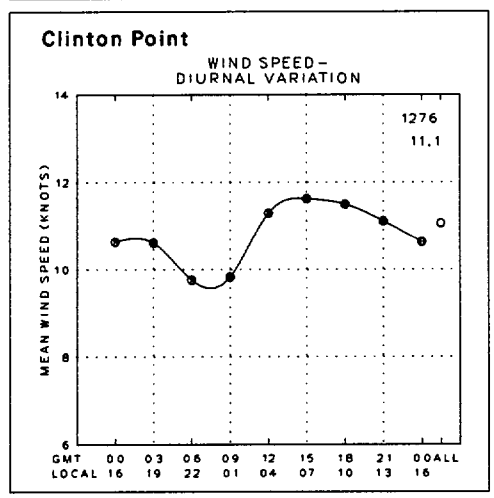

Lonely
WIND SPEED-
DIURNAL VARIATION
3232
10.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

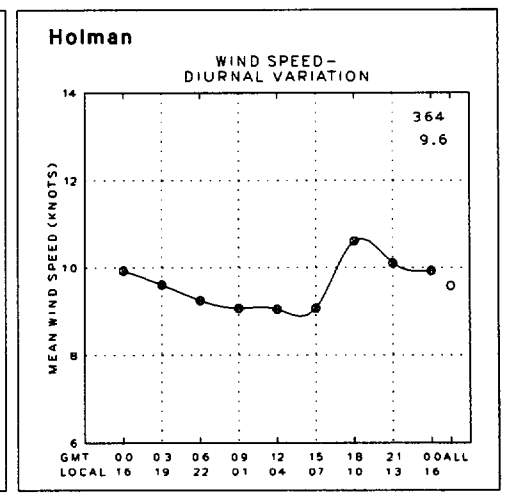

Oliktok
WIND SPEED-
DIURNAL VARIATION
3094
11.3
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14

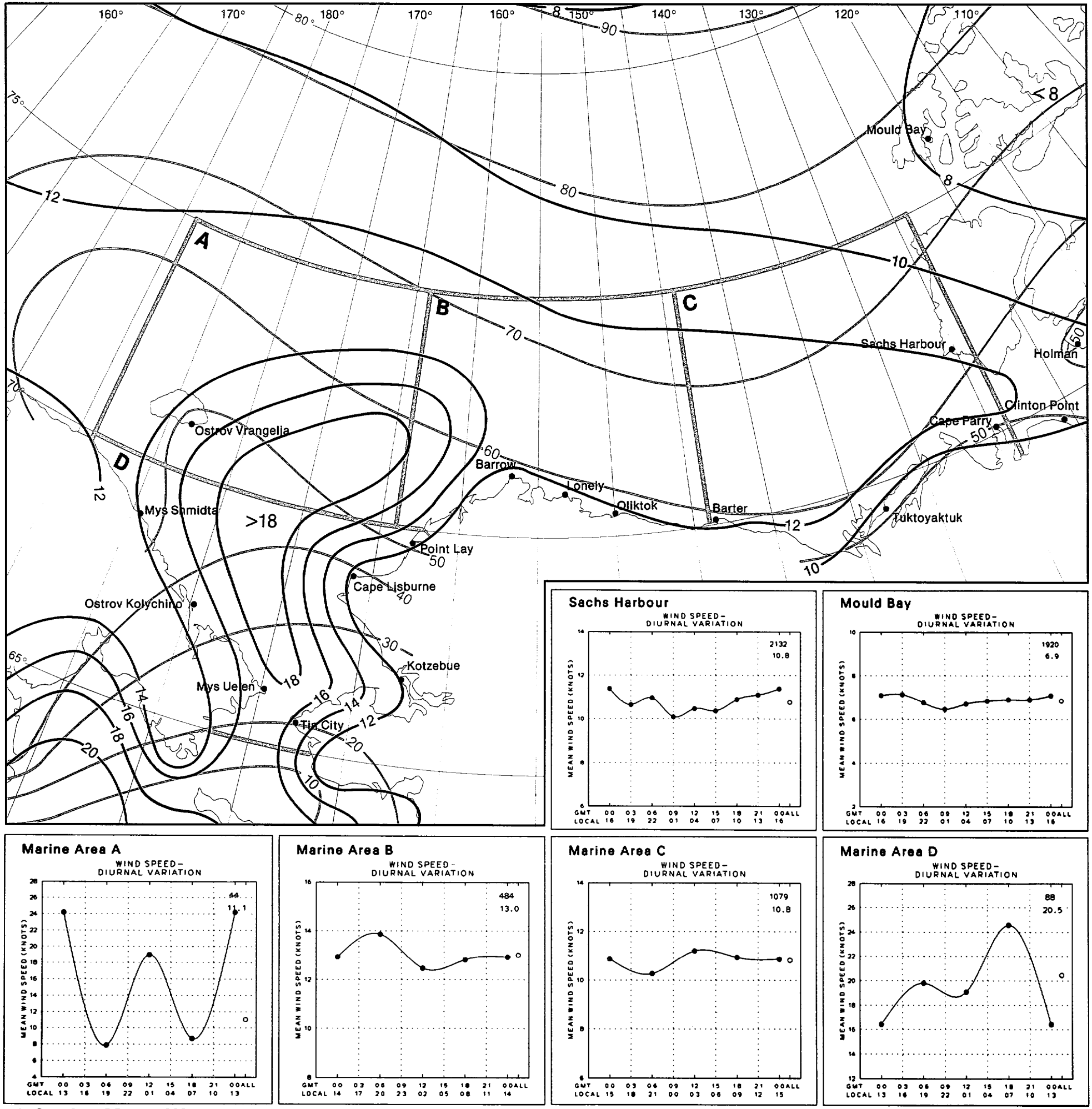

Barter
WIND SPEED-
DIURNAL VARIATION
8423
13.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
1560
9.1
MEAN WIND SPEED (KNOTS)
GMT 03 06 09 12 15 18 21 00 03ALL
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
6240
10.7
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

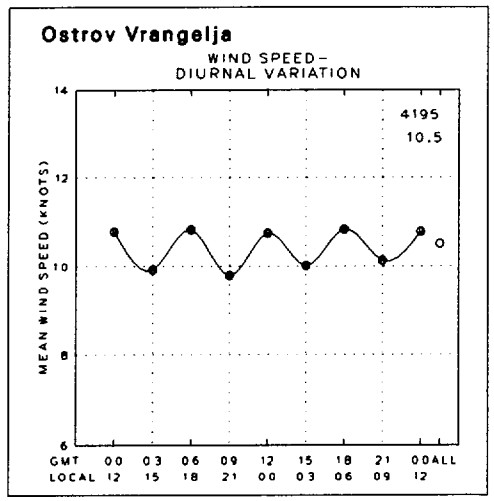

Clinton Point
WIND SPEED-
DIURNAL VARIATION
1276
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

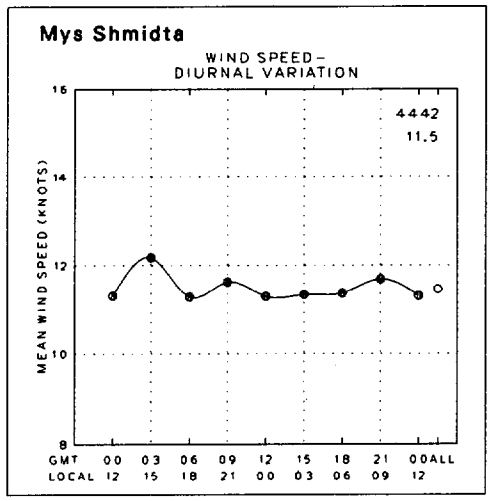

Holman
WIND SPEED-
DIURNAL VARIATION
364
9.6
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 16 19 22 01 04 07 10 13 16

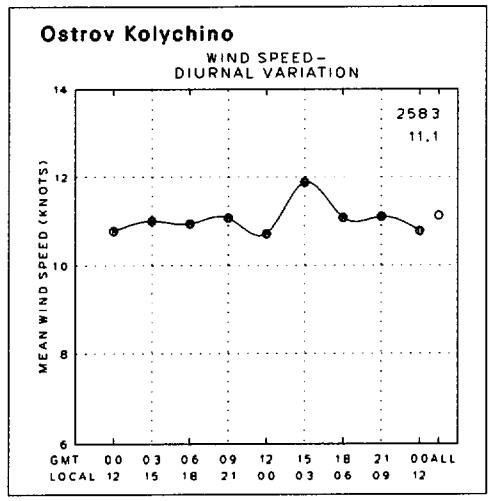


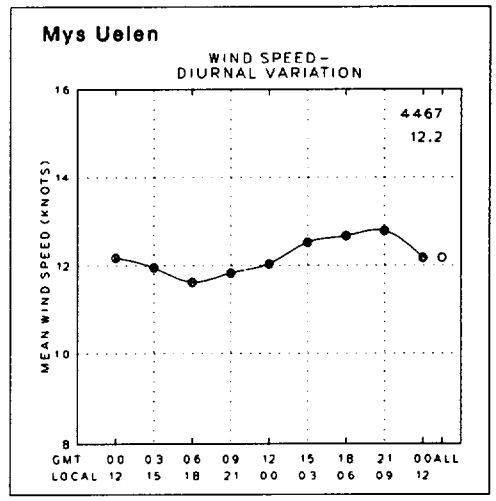
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

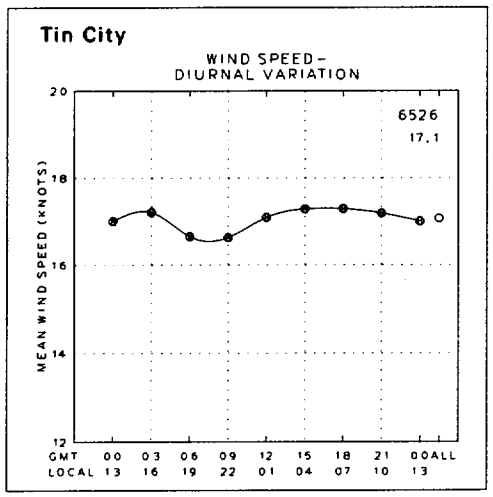
November

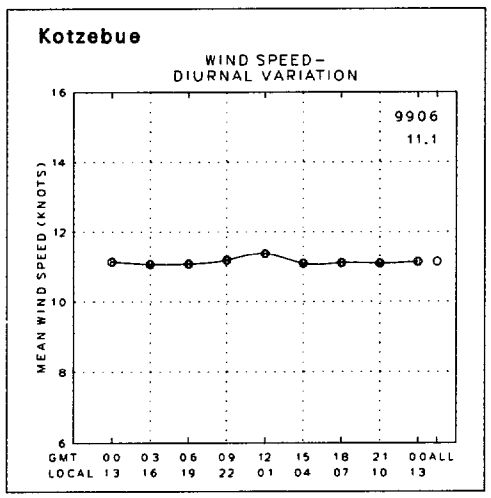

Ostrov Vrangelja
WIND SPEED-
DIURNAL VARIATION
4195
10.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12

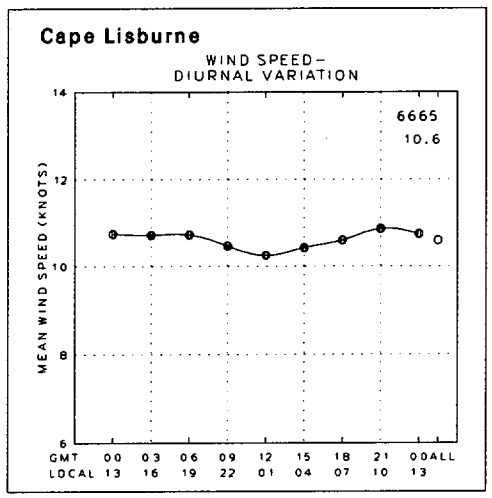

Mys Shmidta
WIND SPEED-
DIURNAL VARIATION
4442
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12


Ostrov Kolychino
WIND SPEED-
DIURNAL VARIATION
2583
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12


Mys Uelen
WIND SPEED-
DIURNAL VARIATION
4467
12.2
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 12 15 18 21 00 03 06 09 12


Tin City
WIND SPEED-
DIURNAL VARIATION
6526
17.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13


Kotzebue
WIND SPEED-
DIURNAL VARIATION
9906
11.1
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13


Cape Lisburne
WIND SPEED-
DIURNAL VARIATION
6665
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MEAN WIND SPEED (KNOTS)
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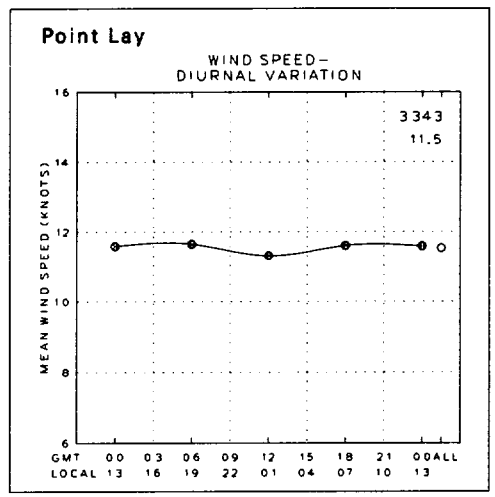
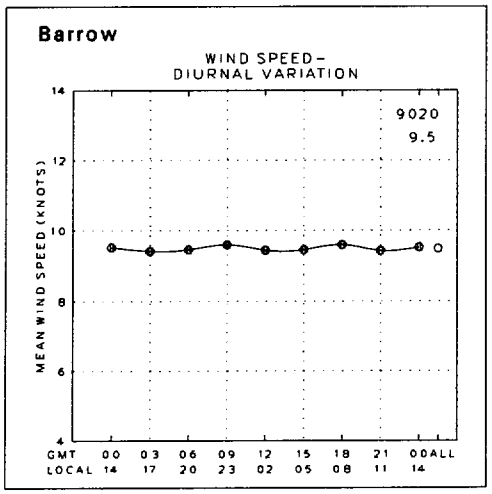
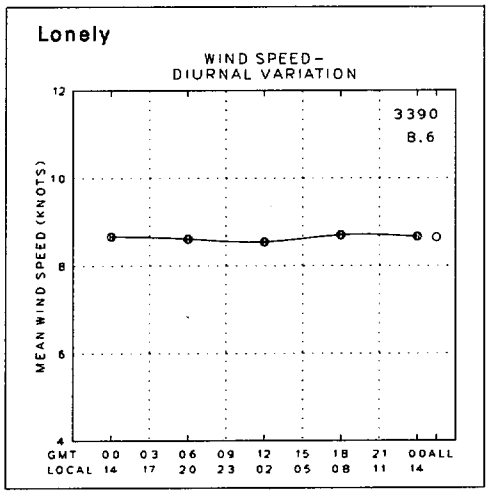
LOCAL 13 16 19 22 01 04 07 10 13


Point Lay
WIND SPEED-
DIURNAL VARIATION
3343
11.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 13 16 19 22 01 04 07 10 13


Barrow
WIND SPEED-
DIURNAL VARIATION
9020
9.5
MEAN WIND SPEED (KNOTS)
GMT 00 03 06 09 12 15 18 21 00ALL
LOCAL 14 17 20 23 02 05 08 11 14


Lonely
WIND SPEED-
DIURNAL VARIATION
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MEAN WIND SPEED (KNOTS)
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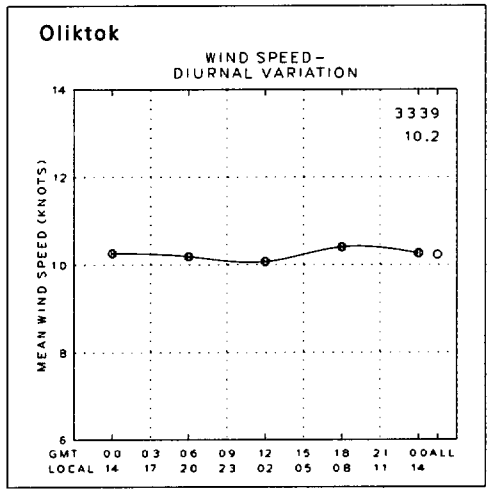
LOCAL 14 17 20 23 02 05 08 11 14


Oliktok
WIND SPEED-
DIURNAL VARIATION
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MEAN WIND SPEED (KNOTS)
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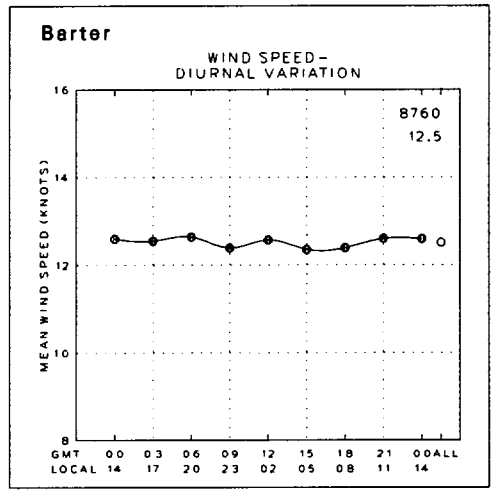
LOCAL 14 17 20 23 02 05 08 11 14


Barter
WIND SPEED-
DIURNAL VARIATION
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12.5
MEAN WIND SPEED (KNOTS)
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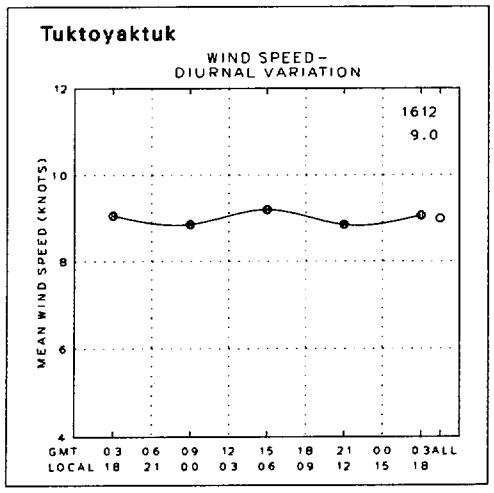
LOCAL 14 17 20 23 02 05 08 11 14


Tuktoyaktuk
WIND SPEED-
DIURNAL VARIATION
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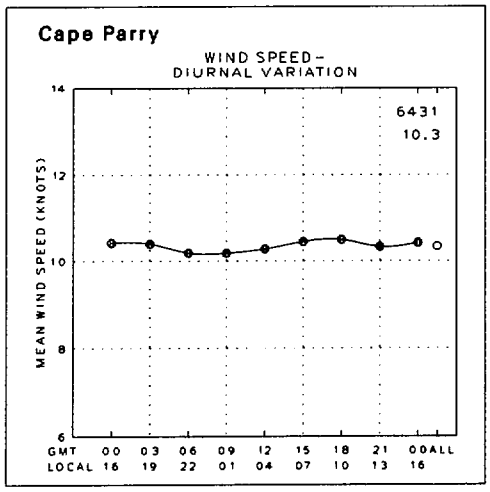
LOCAL 18 21 00 03 06 09 12 15 18


Cape Parry
WIND SPEED-
DIURNAL VARIATION
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10.3
MEAN WIND SPEED (KNOTS)
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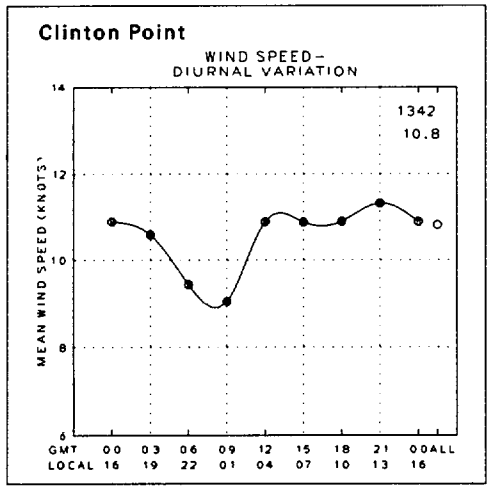
LOCAL 16 19 22 01 04 07 10 13 16


Clinton Point
WIND SPEED-
DIURNAL VARIATION
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10.8
MEAN WIND SPEED (KNOTS)
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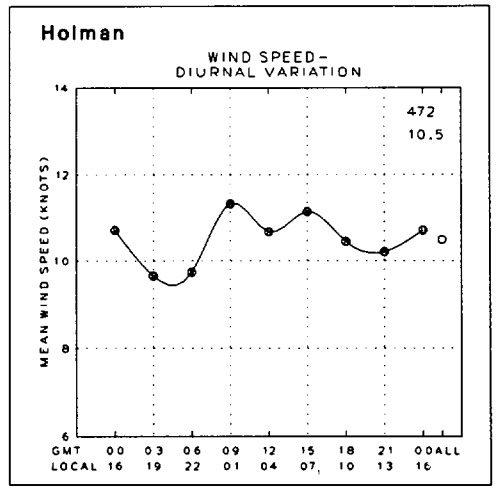
LOCAL 16 19 22 01 04 07 10 13 16


Holman
WIND SPEED-
DIURNAL VARIATION
472
10.5
MEAN WIND SPEED (KNOTS)
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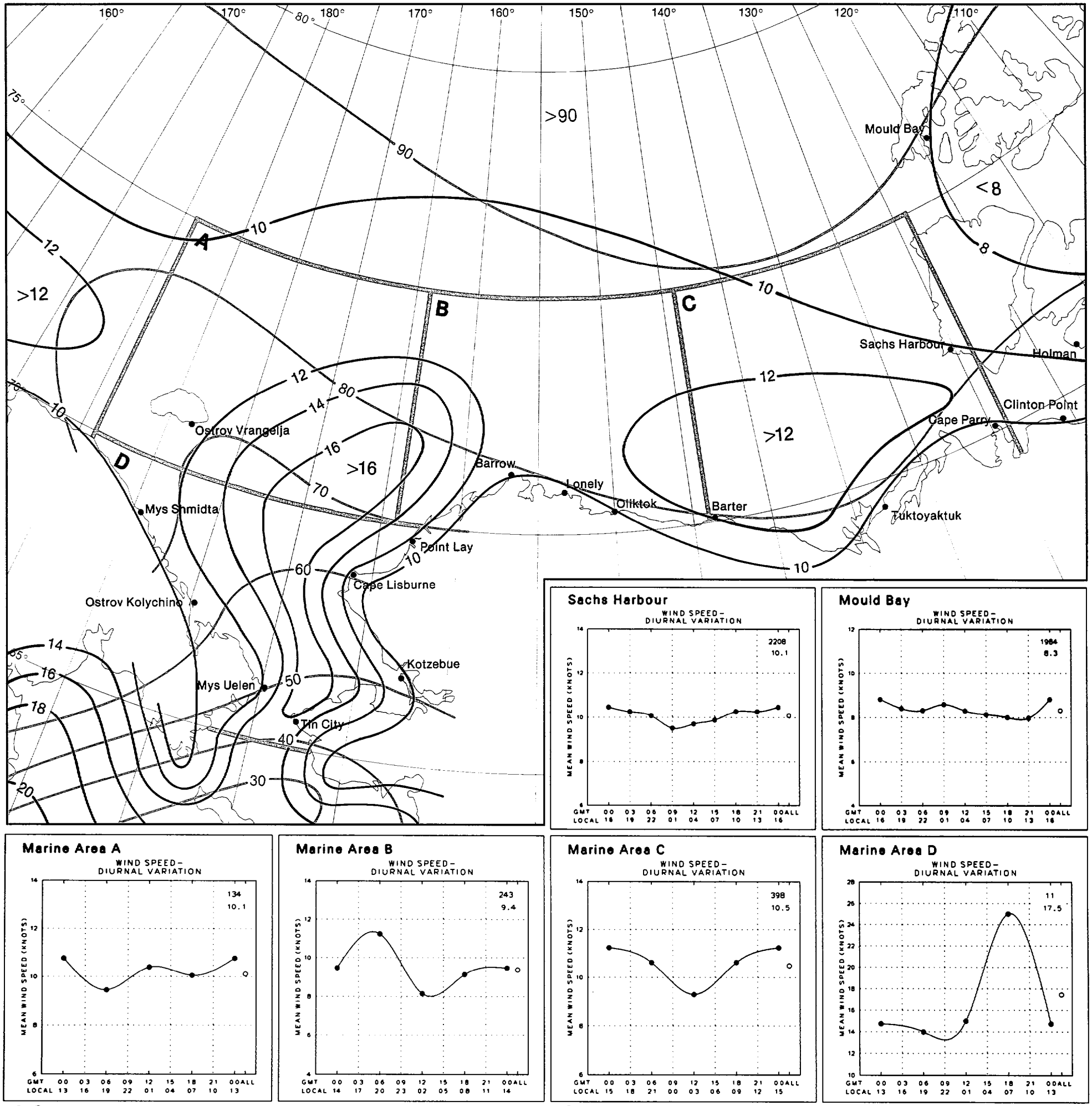
LOCAL 16 19 22 01 04 07 10 13 16



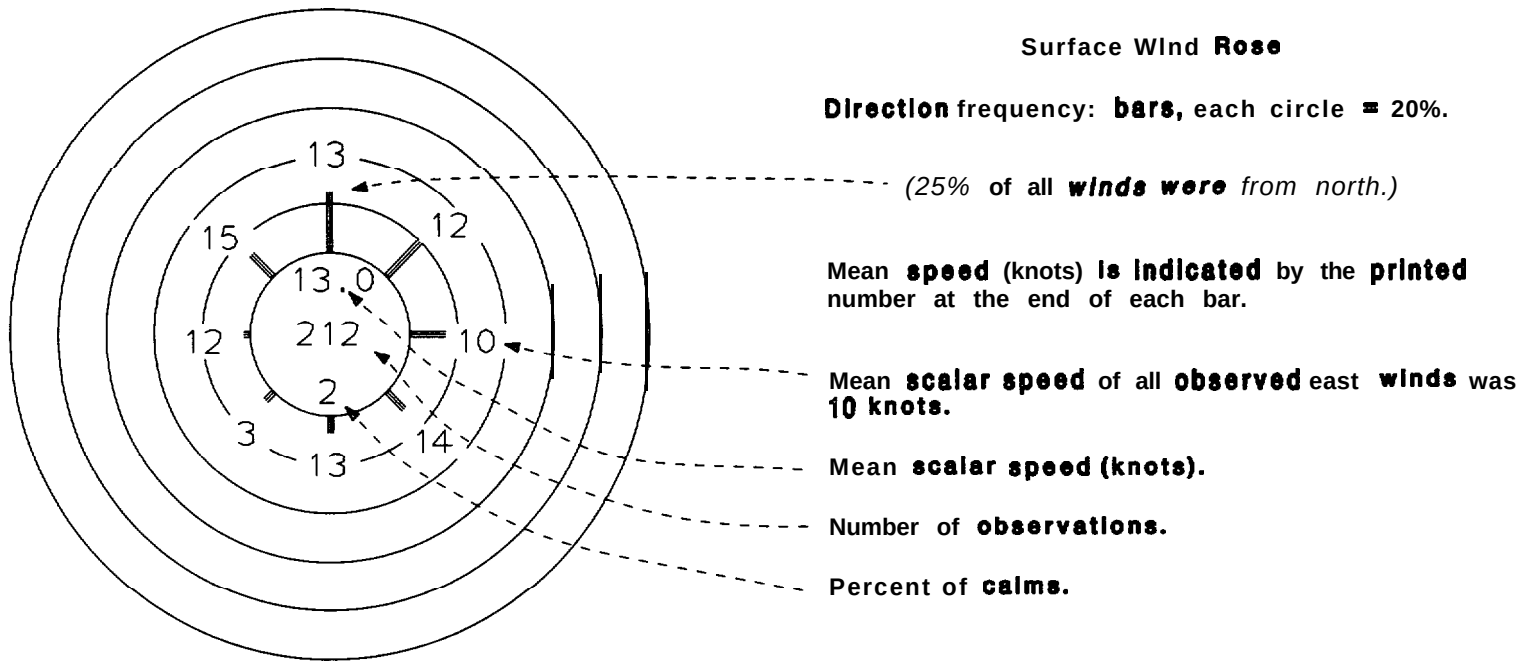
13 Scalar Mean Wind and Wind Chill Temperature ≦-30°C

December

Map 14. Wind speed and direction

ROSE – Percent frequency of wind observations by direction @-points).

Albers Equal-Area Conic Projection



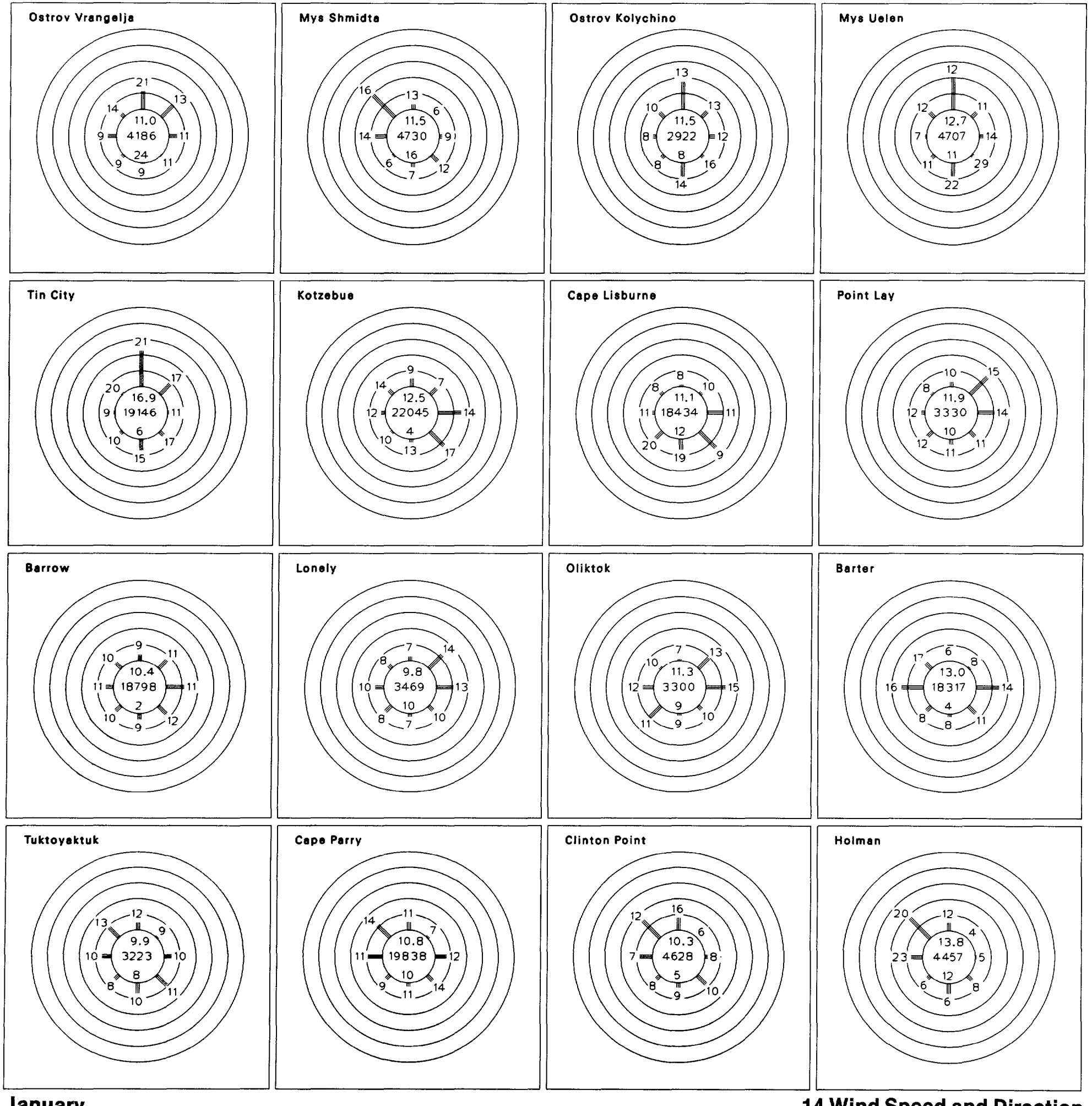
Wind is measured in terms of velocity, a vector that gives both wind speed and direction. ***True*** wind is the wind that is experienced by an observer standing still. When the ship is moving, an observer experiences what is termed an ***apparent wind.*** The speed and course of the ship must be eliminated from the apparent wind to obtain the true wind, which is needed for meteorological purposes. Wind estimated from the appearance of the sea surface is a true wind, while wind determined by the appearance of the ship's rigging or by a shipboard anemometer is an apparent wind. True wind direction may be estimated by observing the direction from which ripples, small waves, and sea spray are coming, since they run with the wind. The direction from which the waves are coming is most easily found by sighting along the wave crests and then turning 90" to face the advancing waves. The observer is then facing the direction from which the waves are coming. The direction is determined to the nearest 10° with respect to true north. The true wind speed is the average speed of the wind blowing near the sea surface. Information in the following table is used to estimate the true wind speed based upon the condition of the sea surface. Refer to the text in Set 11 for additional descriptive information on winds.

WIND SPEED IN KNOTS (WMO Code, 1982)

This table is based on sea conditions over deep water with a fully developed sea. There will be frequent cases where the sea will not be fully developed bacause the wind has not blown long enough over a sufficient distance (fetch). Other factors such as currents and water depth will also affect the look of the sea.

Code figs. (Knots)	Beaufort	Description	Sea criterion when sea fully developed	Probable ht. of waves in m (ft) Average		Maximum	
00	0	Calm	Sea like a mirror	-			-
01-03	1	Light air	Ripples with the appearance of scales are formed, but without foam crests	0.1	(¼)	0.1	(¼)
04-06	2	Light breeze	Small wavelets, still short but more pronounced, crests have a glassy appearance and do not break ..	0.2	(½)	0.3	(1)
07-10	3	Gentle breeze	Large wavelets; crests begin to break; foam of glassy appearance; perhaps scattered white horses..	0.6	(2)	1	(3)
11-16	4	Moderate breeze	Small waves, becoming longer; fairly frequent white horses	1	(3 ½)	1.5	(5)
17-21	5	Fresh breeze	Moderate waves, taking a more pronounced long form; many white horses are formed (chance of some spray)	2	(6)	2.5	(8%)
22-27	6	Strong breeze	Large waves begin to form; white foam crests are more extensive everywhere (probably some spray)	3	(9%)	4	(13)
28-33	7	Near gale	Sea heaps up and white foam from breaking waves begins to be blown in streaks along the direction of the wind	4	(13%)	5.5	(19)
34-40	8	Gale	Moderately high waves of greater length; edges of crests begin to break into the spindrift; the foam is blown in well-marked streaks along the direction of the wind	5.5	(18)	7.5	(25)
41-47	9	Strong gale	High waves; dense streaks of foam along the direction of the wind; crests of waves begin to topple, tumble and roll over; spray may affect visibility	7	(23)	10	(32)
48-55	10	Storm	Very high waves with long. overhanging crests; the resulting foam, in great patches, is blown in dense white streaks along the direction of the wind; on the whole, the surface of the sea takes on a white appearance; tumbling of the sea becomes heavy and shock-like; visibility affected	9	(29)	12.5	(41)
58-63	11	Violent Storm	Exceptionally high waves (small and medium-sized ships might be for a time lost to view behind the waves); the sea is completely covered with long white patches of foam lying along the direction of the wind; everywhere the edges of the wave crests are blown into froth; visibility affected	11.5	(37)	16	(52)
64 and over	12	Hurricane	The air is filled with foam and spray; sea completely white with driving spray; visibility very seriously affected	14	(45)	-	xx

Note: For winds over 99 knots, add 50 to dd (direction) and enter the tens and units digits of the wind speed for ff; e.g. for a wind from 100” true at 125 knots, dd = 60, and ff = 25.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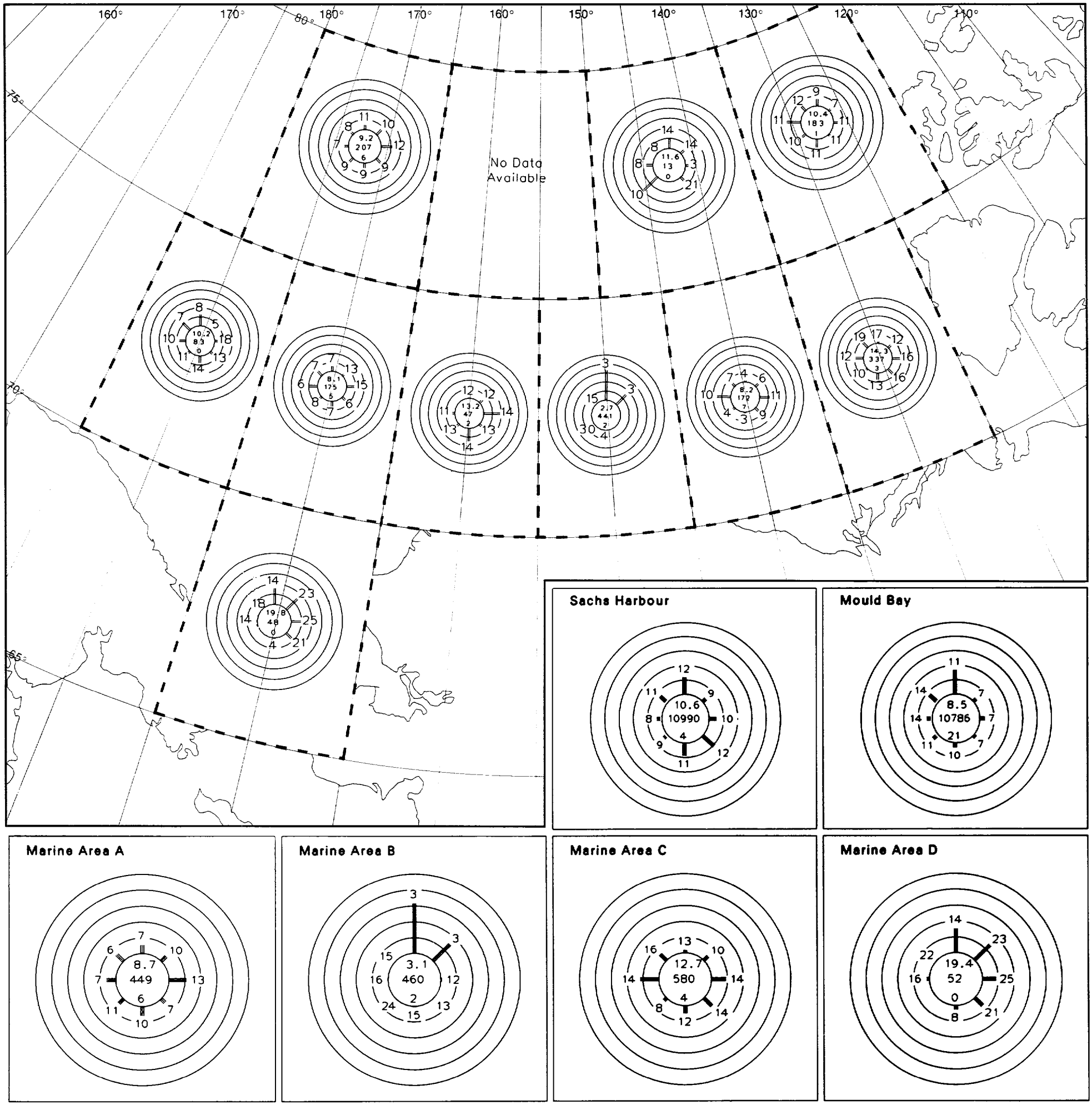
21 13 11 9 24 9 9 14
11.0
4186
Mys Shmidta
16 13 6 9 16 7 12 6 14
11.5
4730
Ostrov Kolychino
13 13 12 16 14 8 8 10
11.5
2922
Mys Uelen
12 11 14 29 22 11 7 12
12.7
4707
Tin City
21 17 11 17 15 6 10 9 20
16.9
19146
Kotzebue
9 7 14 12 13 17 4 10 12
12.5
22045
Cape Lisburne
8 10 11 9 12 19 20 11 8
11.1
18434
Point Lay
10 15 14 11 10 11 12 12 8
11.9
3330
Barrow
9 11 11 10 2 12 9 10 11
10.4
18798
Lonely
7 14 13 10 7 10 8 10 8
9.8
3469
Oliktok
7 13 15 9 10 11 12 10
11.3
3300
Barter
6 8 14 11 8 8 16 17
13.0
18317
Tuktoyaktuk
12 9 10 8 10 13 10
9.9
3223
Cape Parry
11 7 12 14 10 14 9 11
10.8
19838
Clinton Point
16 6 8 10 5 9 8 7 12
10.3
4628
Holman
12 4 5 8 6 12 6 23 20
13.8
4457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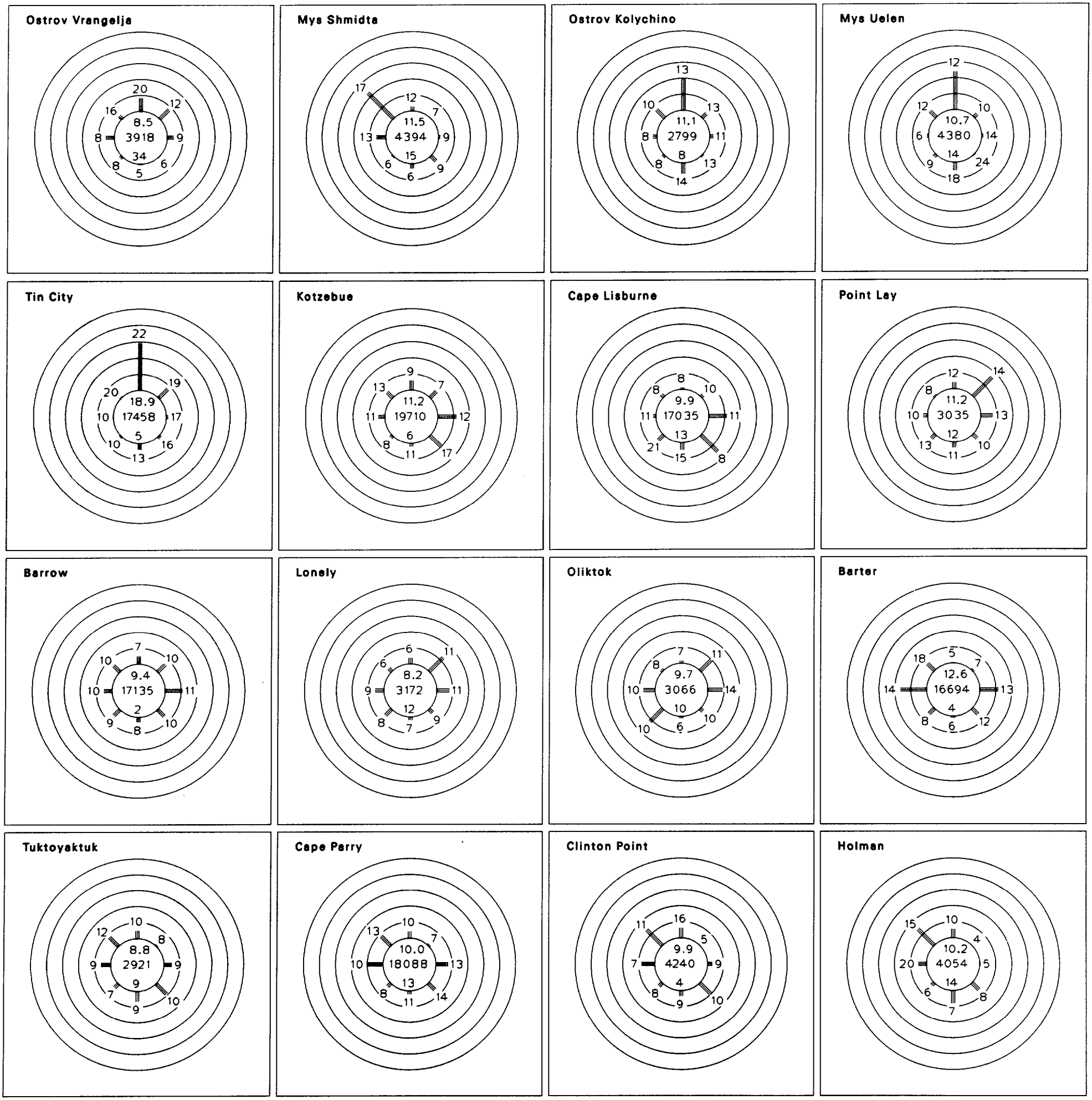
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D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Mys Shmidta
17 12 7 11.5 13 4394 9 15 6 9 6
Ostrov Kolychino
13 10 13 11.1 8 2799 11 8 8 13 14
Mys Uelen
12 12 10 10.7 6 4380 14 14 9 24 18
Tin City
22 20 19 18.9 10 17458 17 5 10 16 13
Kotzebue
9 13 7 11.2 11 19710 12 6 8 11 17
Cape Lisburne
8 8 10 9.9 11 17035 11 13 21 15 8
Point Lay
12 14 8 11.2 10 3035 13 12 13 10 11
Barrow
7 10 10 9.4 10 17135 11 2 9 8 10
Lonely
6 11 6 8.2 9 3172 11 12 8 7 9
Oliktok
7 11 8 9.7 10 3066 14 10 10 6 10
Barter
5 18 7 12.6 14 16694 13 4 8 6 12
Tuktoyaktuk
10 12 8 8.8 9 2921 9 9 7 9 10
Cape Parry
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Clinton Point
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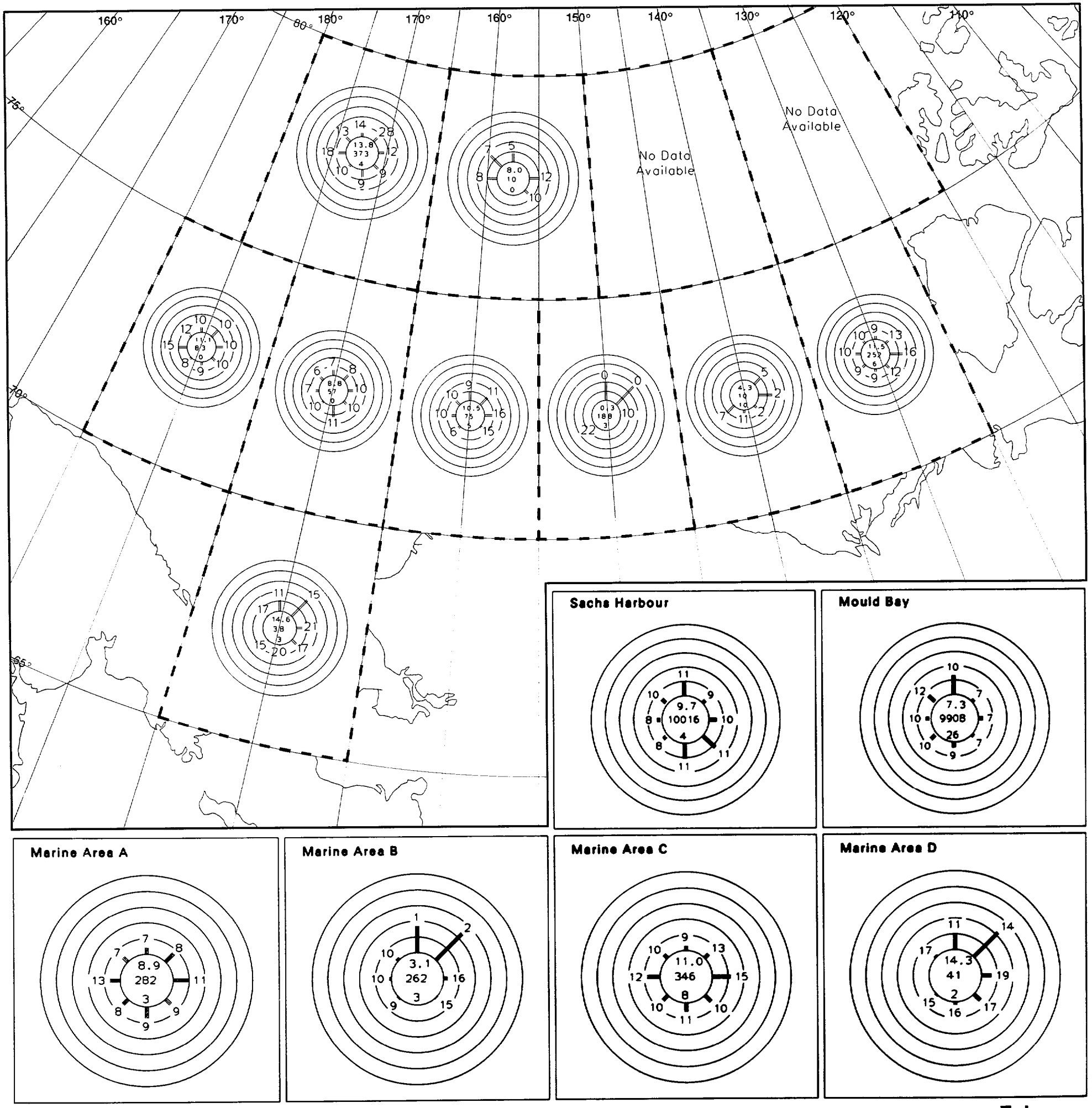
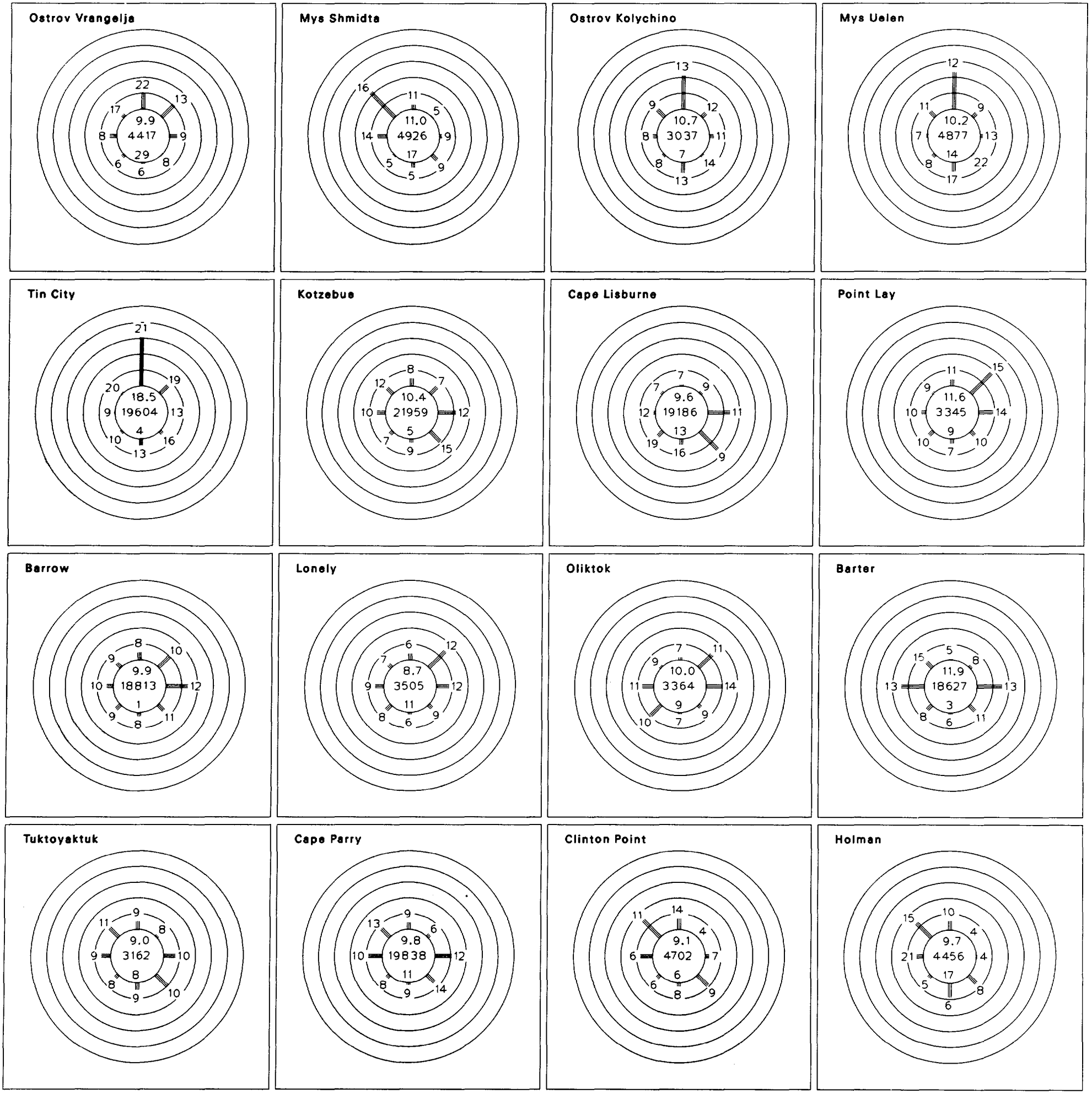
Holman
10 15 4 10.2 20 4054 5 14 6 8 7



14 Wind Speed and Direction

February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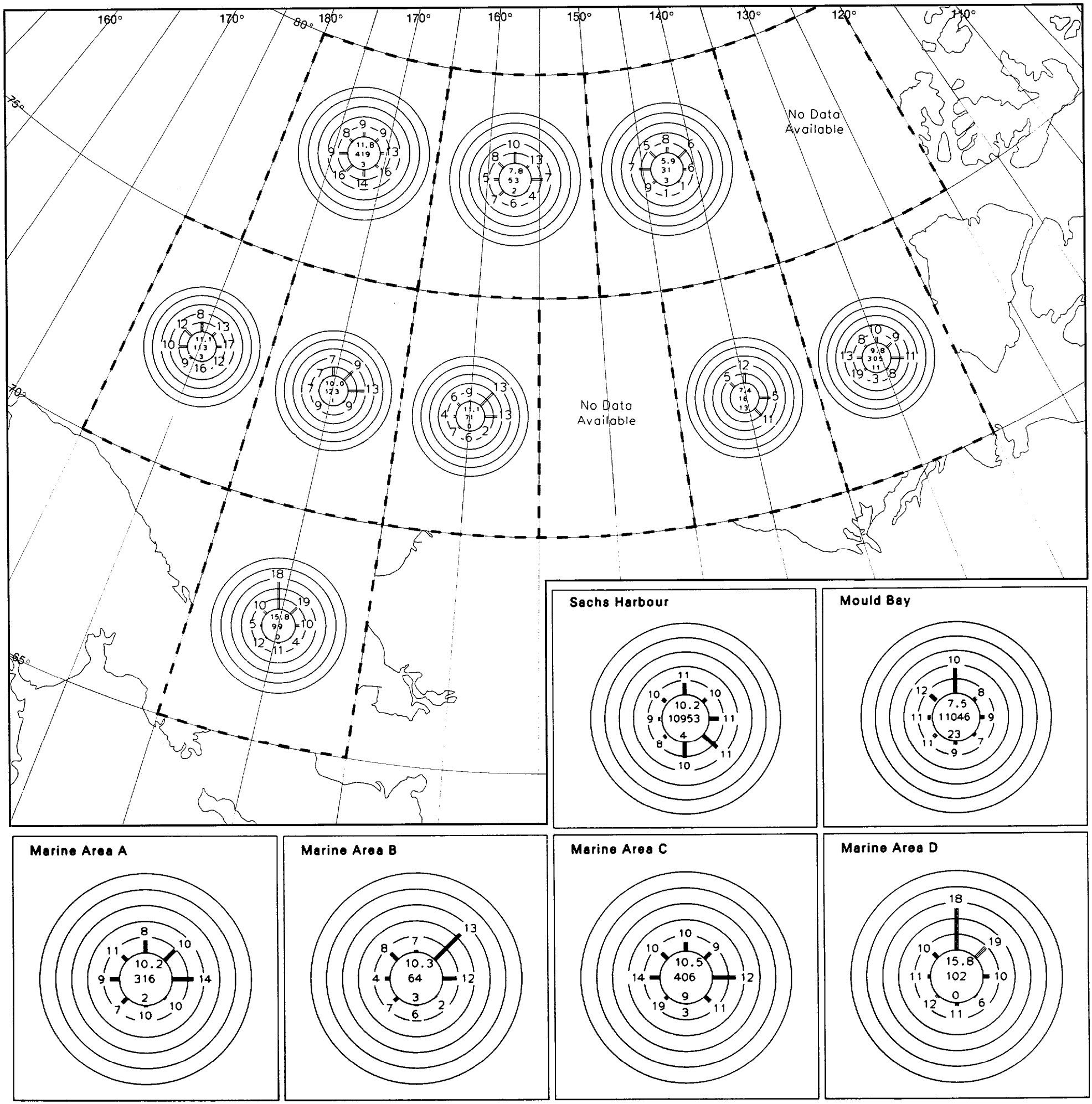
Mys Shmidta
16 11 5 11.0 4926 14 9 17 5 5 9
Ostrov Kolychino
13 9 12 10.7 3037 8 11 7 8 14 13
Mys Uelen
12 11 9 10.2 4877 7 13 14 8 22 17
Tin City
21 20 19 18.5 19604 9 13 4 10 16 13
Kotzebue
8 12 7 10.4 21959 10 12 5 7 15 9
Cape Lisburne
7 7 9 9.6 19186 12 11 13 19 9 16
Point Lay
11 15 9 11.6 3345 10 14 9 10 10 7
Barrow
8 10 9 9.9 18813 10 12 1 9 11 8
Lonely
6 12 7 8.7 3505 9 12 11 8 9 6
Oliktok
7 11 9 10.0 3364 11 14 9 10 9 7
Barter
5 15 8 11.9 18627 13 13 3 8 11 6
Tuktoyaktuk
9 11 8 9.0 3162 9 10 8 8 10 9
Cape Parry
9 13 6 9.8 19838 10 12 11 8 14 9
Clinton Point
14 11 4 9.1 4702 6 7 6 6 9 8
Holman
10 15 4 9.7 4456 21 4 17 5 8 6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170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
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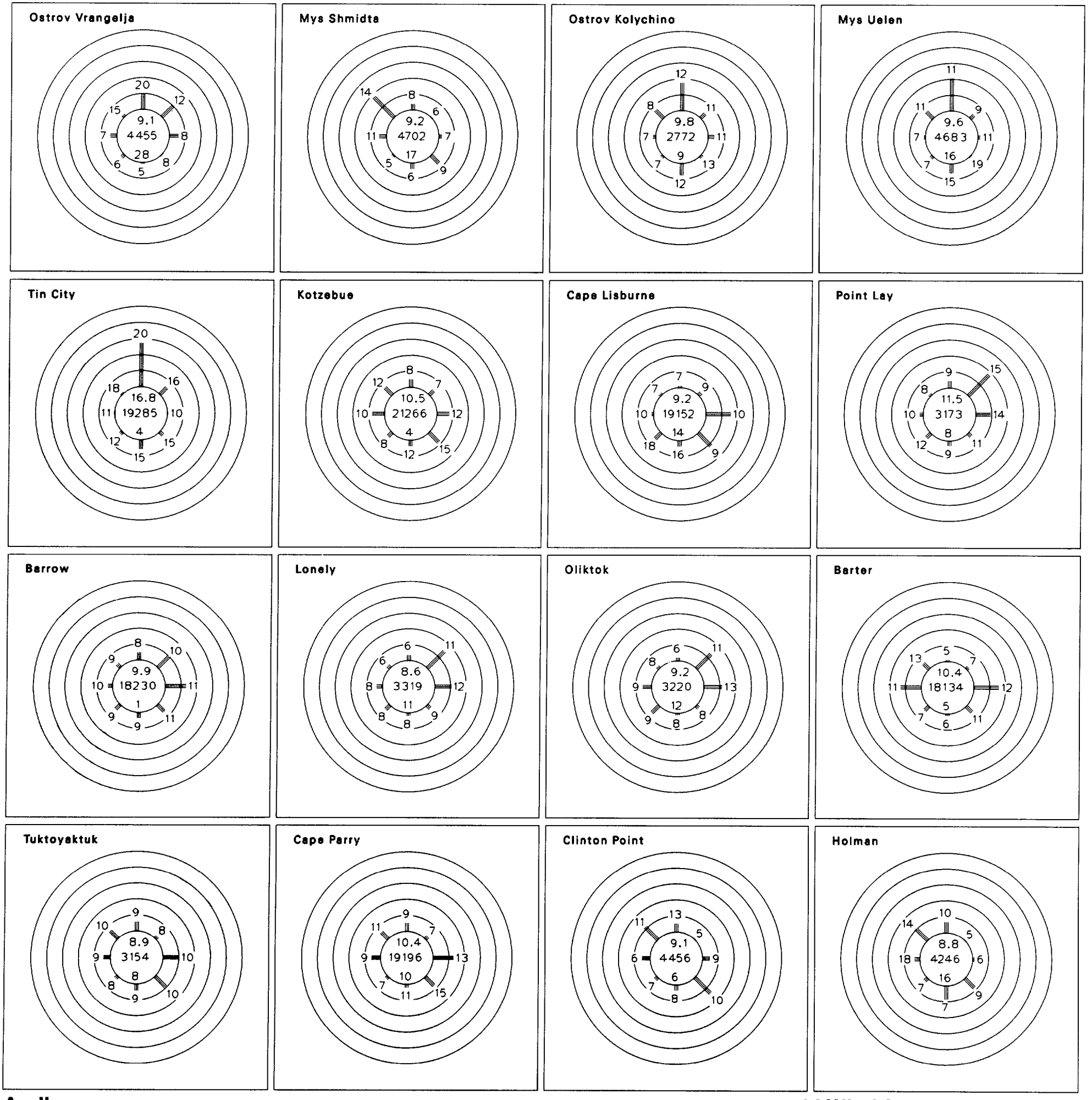
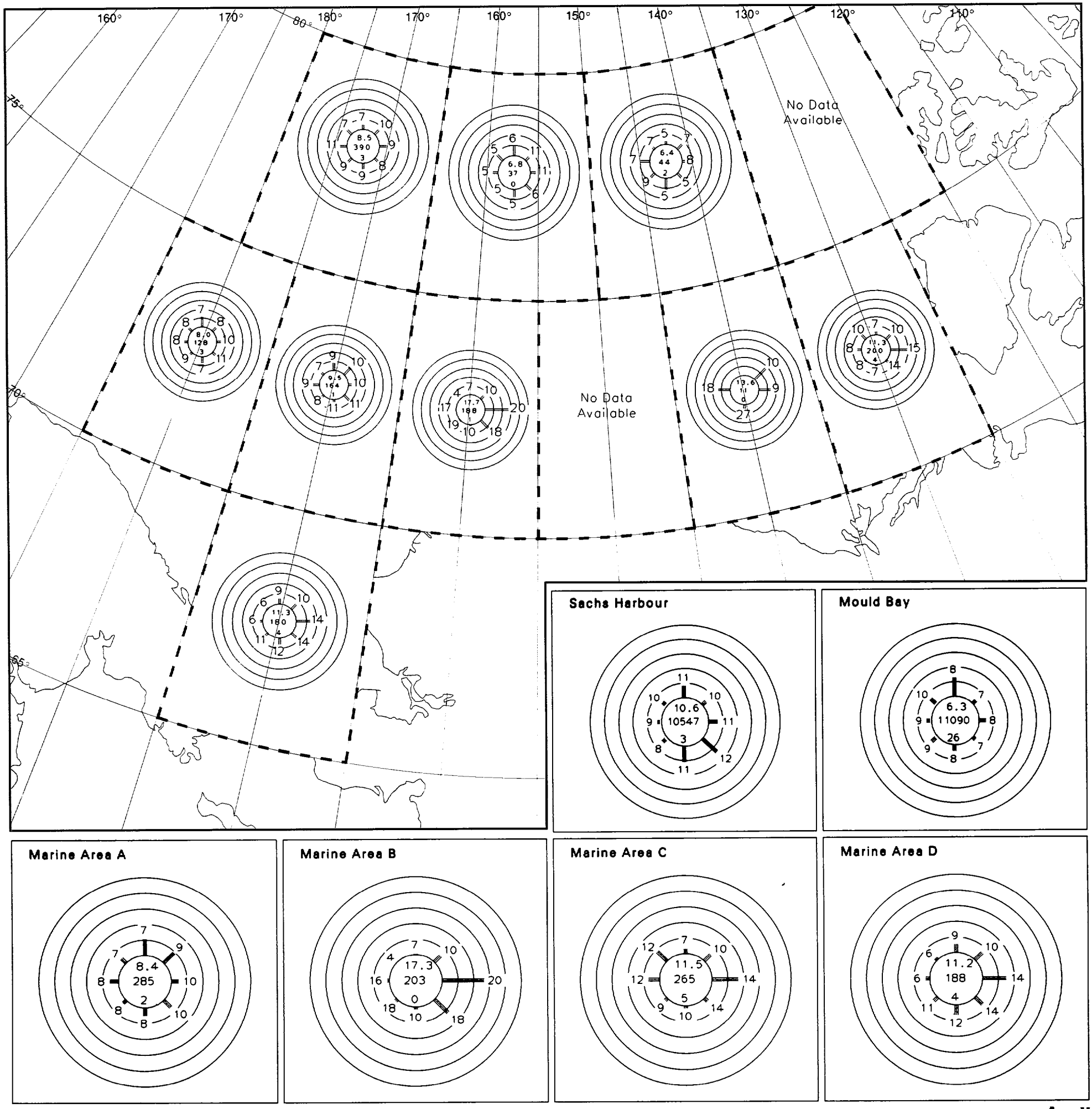
No Data Available
Sachs Harbour
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D



April

14 Wind Speed and Direction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170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
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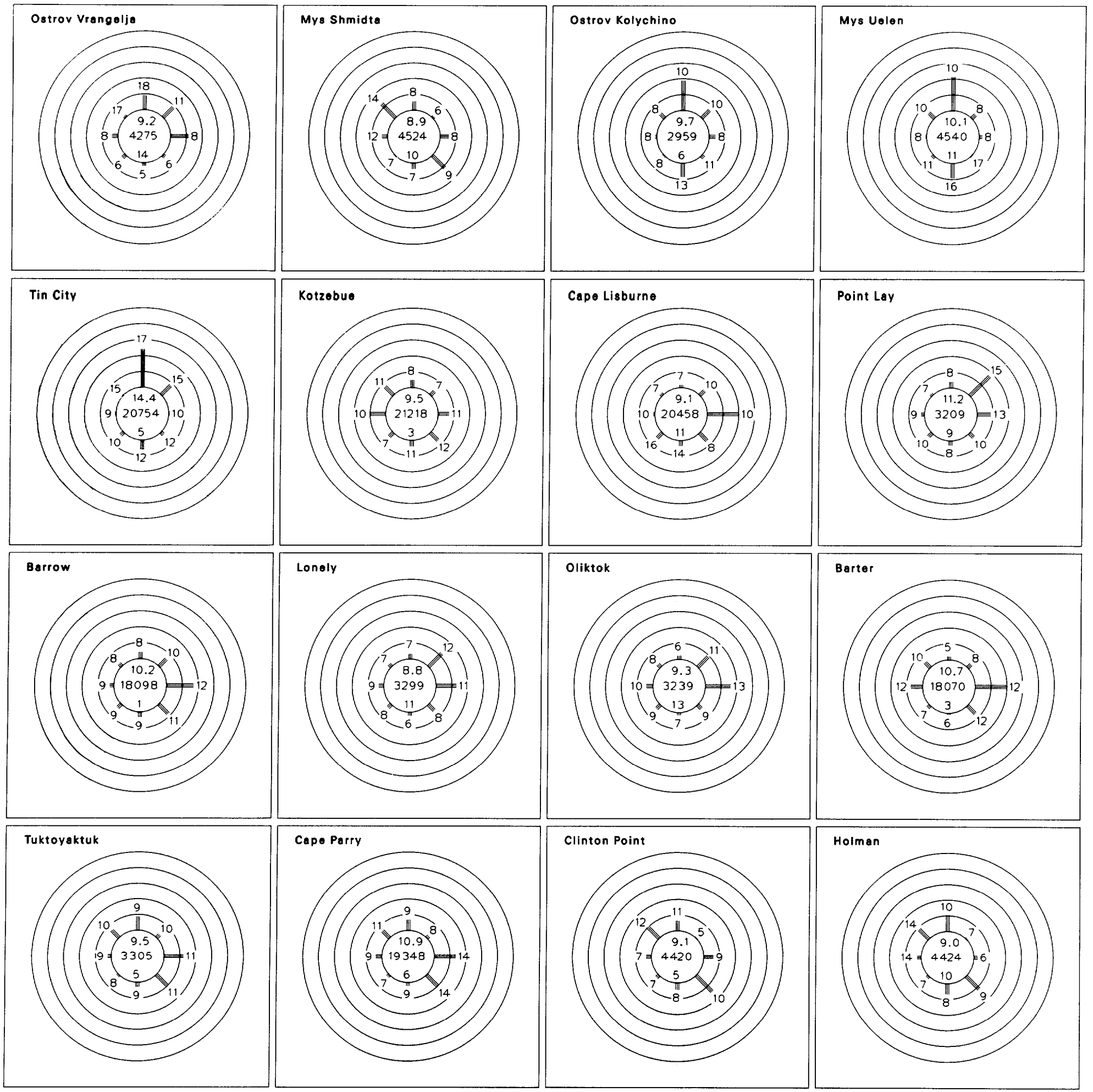
No Data Available
Sachs Harbour
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D


Ostrov Vrangelja
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11
17
9.2
4275
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8
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Mys Shmidta
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6
8.9
4524
12
8
10
7
7
9
Ostrov Kolychino
10
8
10
9.7
2959
8
8
6
8
11
13
Mys Uelen
10
10
8
10.1
4540
8
8
11
11
17
16
Tin City
17
15
15
14.4
20754
9
10
5
10
12
12
Kotzebue
8
11
7
9.5
21218
10
11
3
7
12
11
Cape Lisburne
7
7
10
9.1
20458
10
10
11
16
8
14
Point Lay
8
15
7
11.2
3209
9
13
9
10
10
8
Barrow
8
8
10
10.2
18098
9
12
1
9
11
9
Lonely
7
12
7
8.8
3299
9
11
11
8
8
6
Oliktok
6
8
11
9.3
3239
10
13
13
9
9
7
Barter
5
10
8
10.7
18070
12
12
3
7
12
6
Tuktoyaktuk
9
10
10
9.5
3305
9
11
5
8
11
9
Cape Parry
9
11
8
10.9
19348
9
14
6
7
14
9
Clinton Point
11
12
5
9.1
4420
7
9
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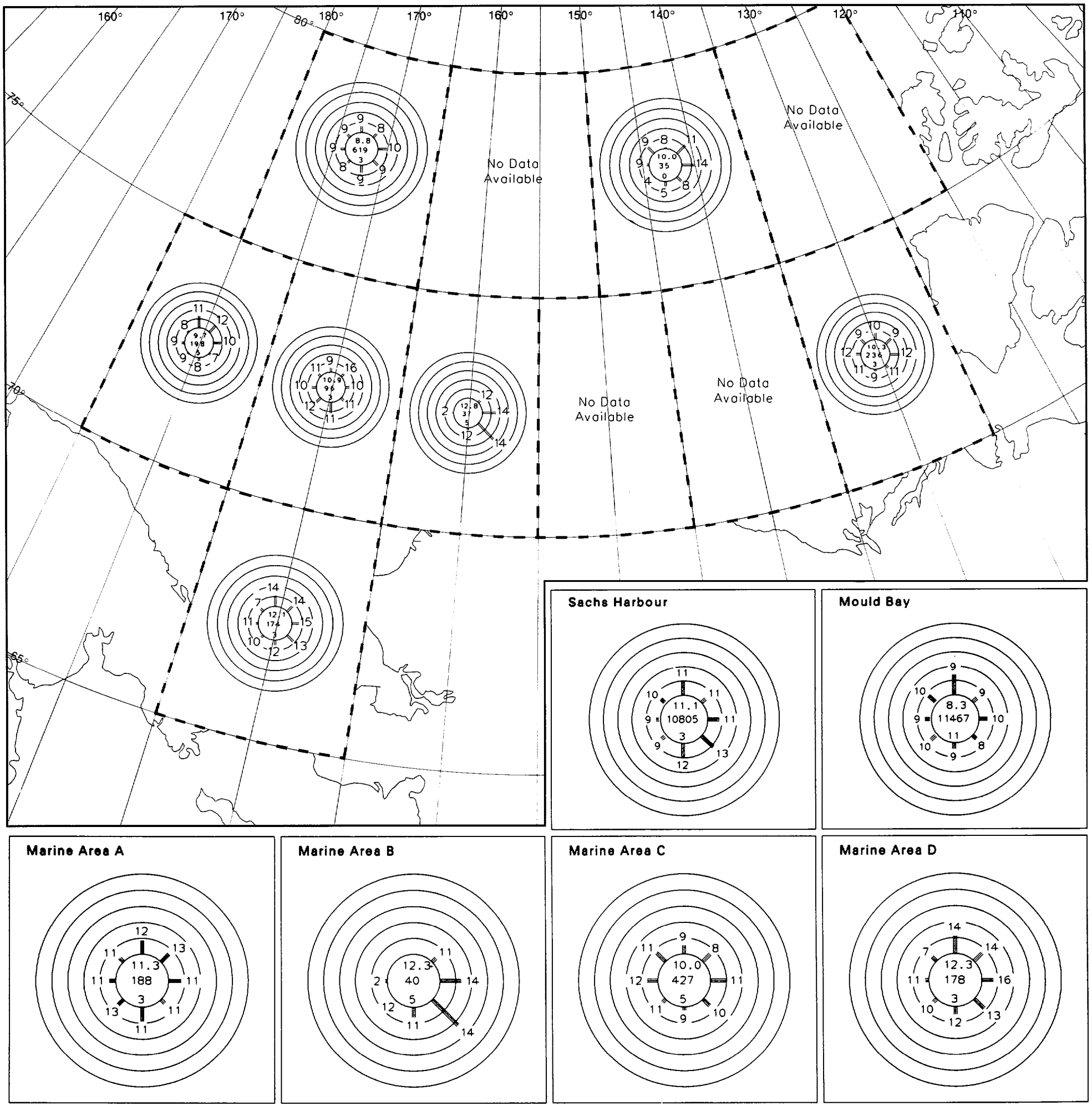
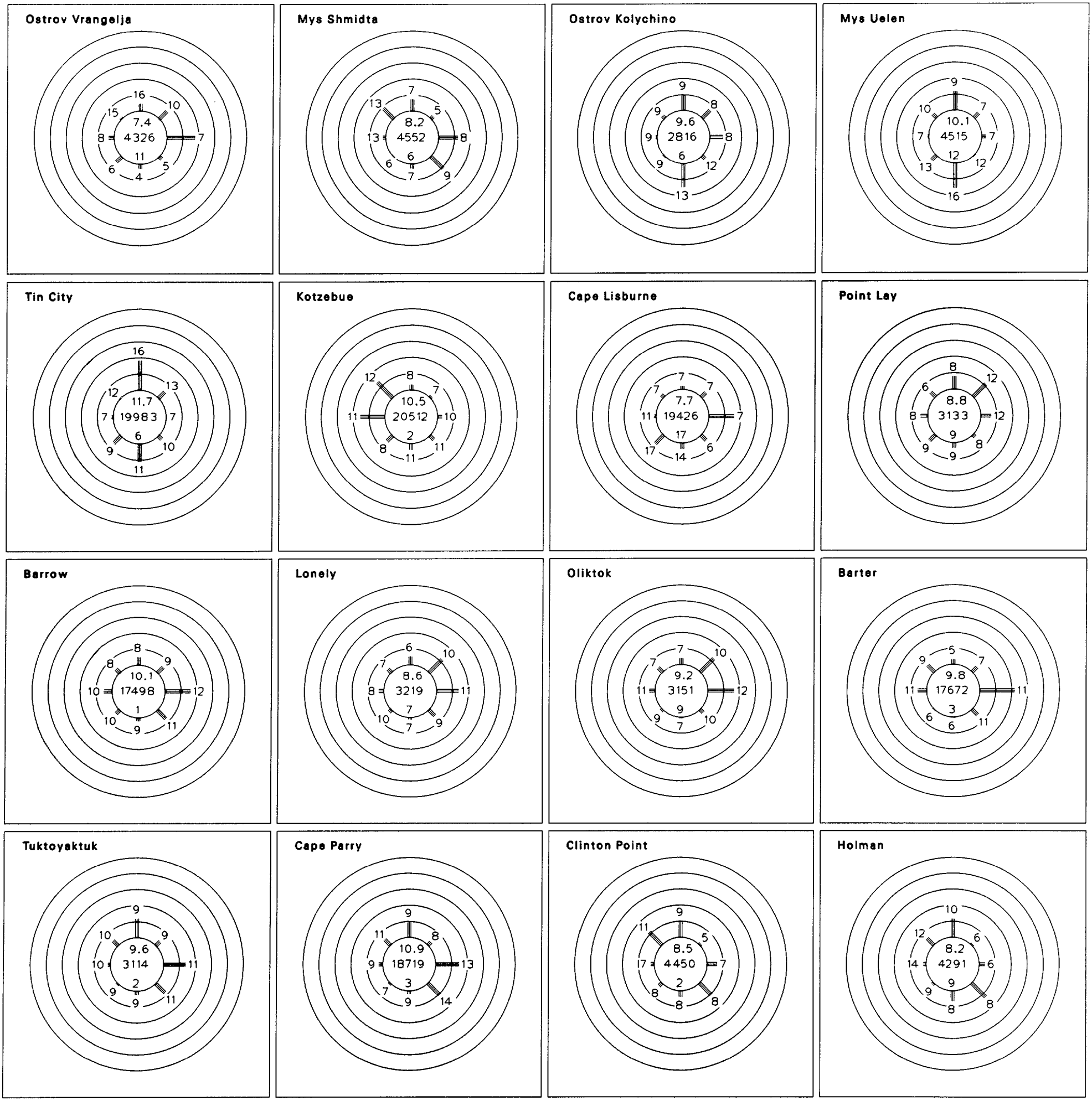
7
10
8
Holman
10
14
7
9.0
4424
14
6
10
7
9
8



14 Wind Speed and Direction **May**


Ostrov Vrangelja
7.4
4326
Mys Shmidta
8.2
4552
Ostrov Kolychino
9.6
2816
Mys Uelen
10.1
4515
Tin City
11.7
19983
Kotzebue
10.5
20512
Cape Lisburne
7.7
19426
Point Lay
8.8
3133
Barrow
10.1
17498
Lonely
8.6
3219
Oliktok
9.2
3151
Barter
9.8
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Tuktoyaktuk
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3114
Cape Parry
10.9
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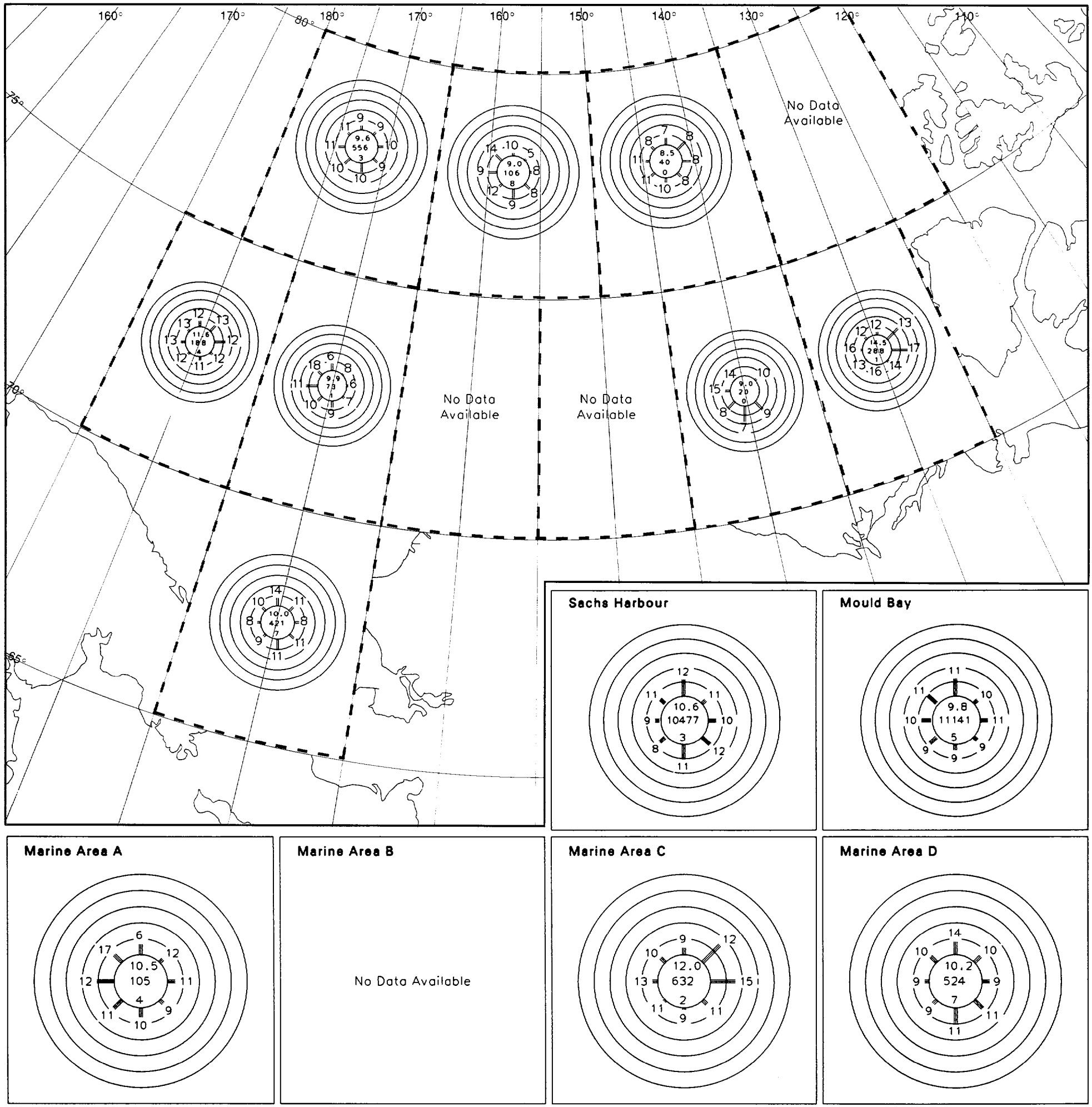
Clinton Point
8.5
4450
Holman
8.2
4291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Mould Bay
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10.5
105
Marine Area B
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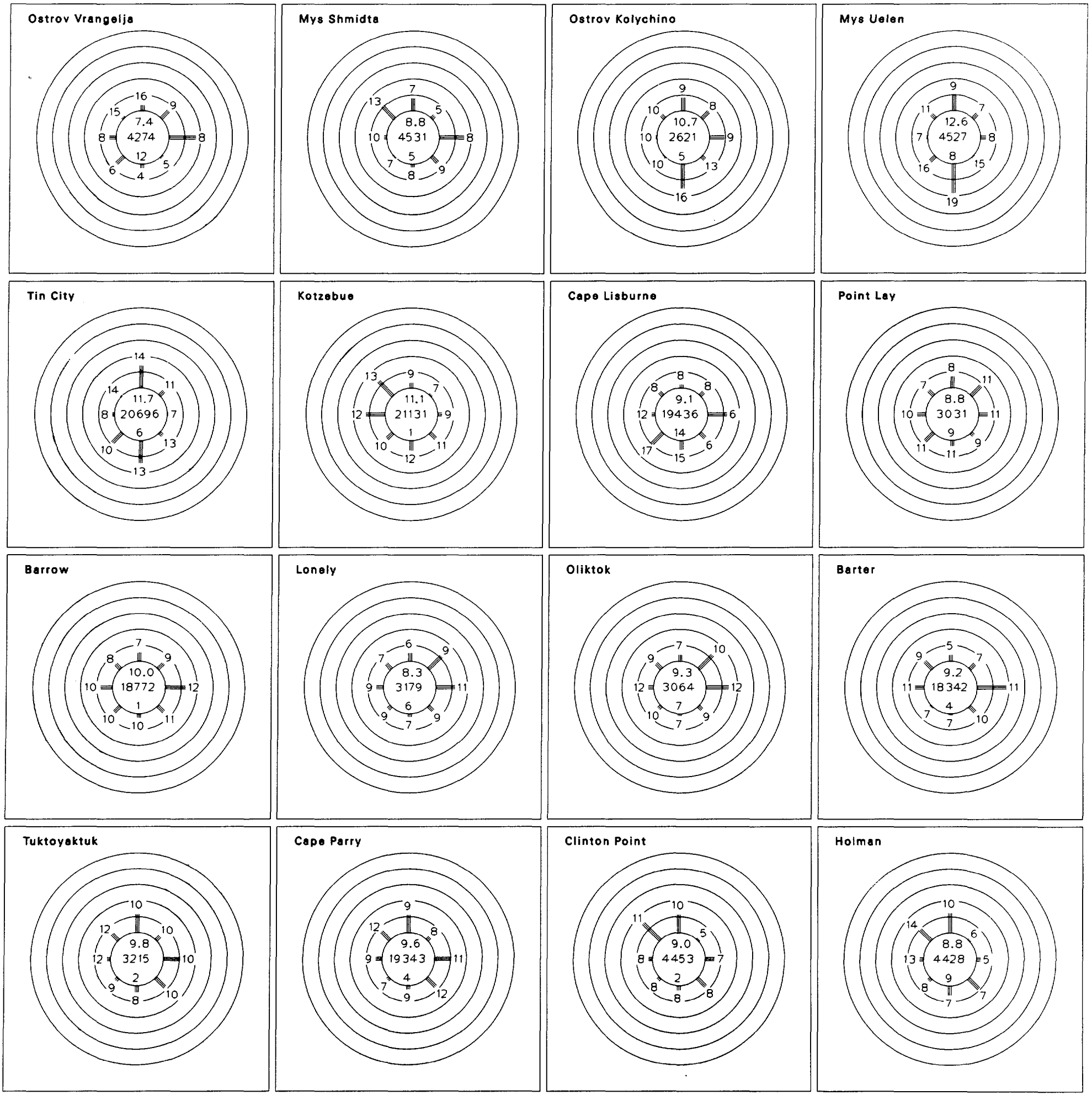
Marine Area C
12.0
632
Marine Area D
10.2
524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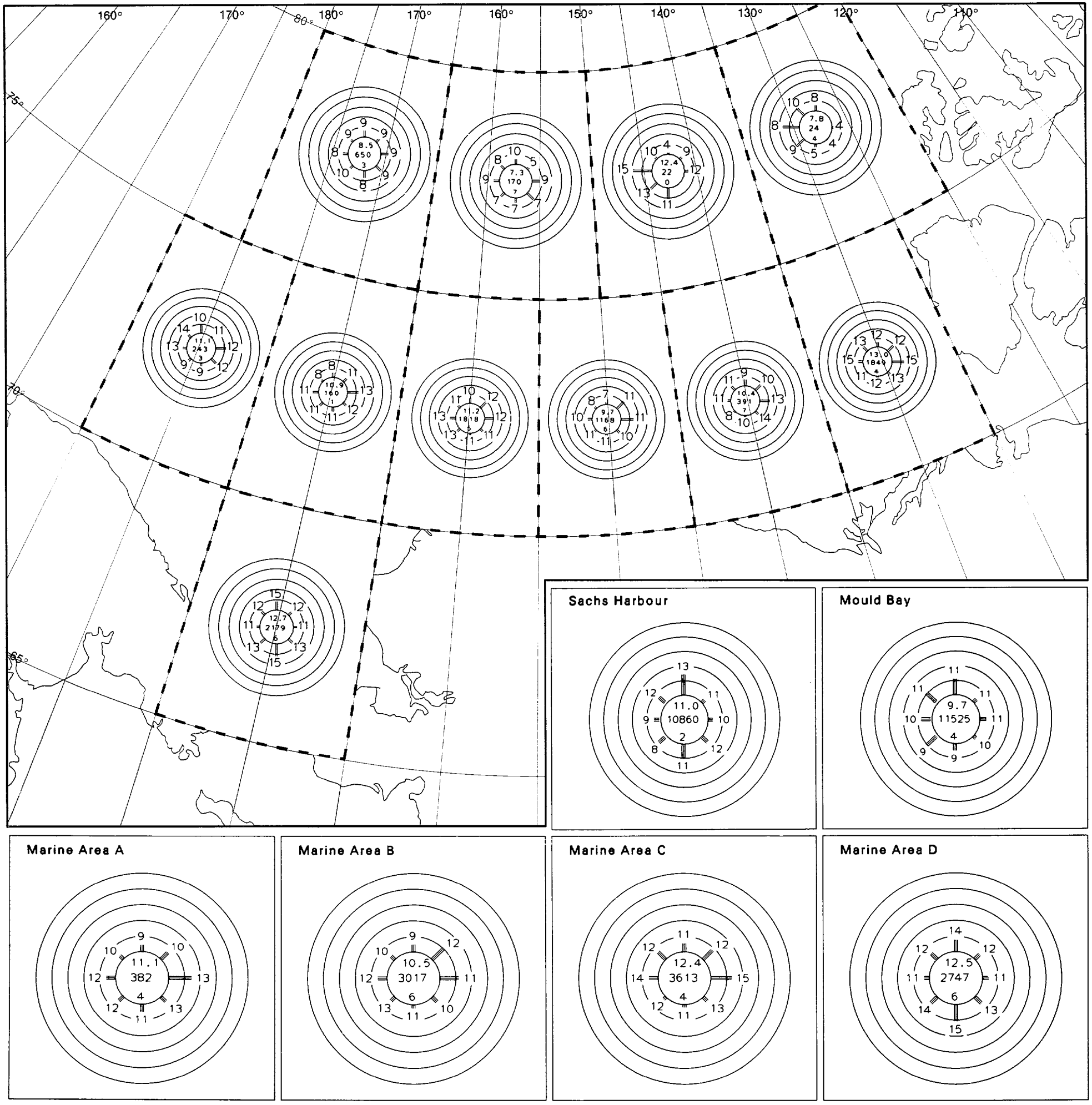
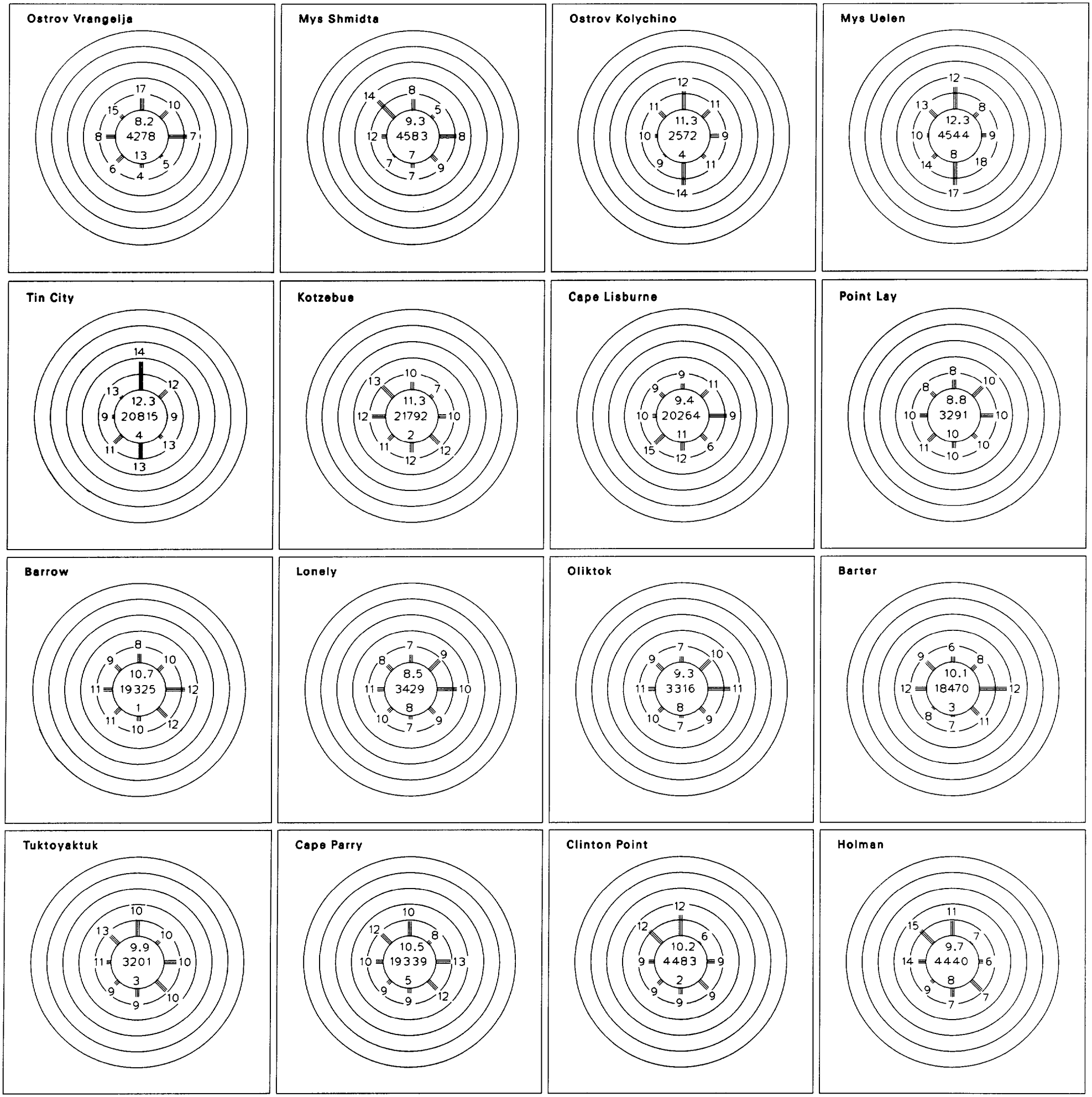
Ostrov Kolychino
10.7
2621
Mys Uelen
12.6
4527
Tin City
11.7
20696
Kotzebue
11.1
21131
Cape Lisburne
9.1
19436
Point Lay
8.8
3031
Barrow
10.0
18772
Lonely
8.3
3179
Oliktok
9.3
3064
Barter
9.2
18342
Tuktoyaktuk
9.8
3215
Cape Parry
9.6
19343
Clinton Point
9.0
4453
Holman
8.8
4428



14 Wind Speed and Direction

July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Mys Shmidta
8 14 5 9.3 12 4583 8 7 7 9 7
Ostrov Kolychino
12 11 11 11.3 10 2572 9 4 9 11 14
Mys Uelen
12 13 8 12.3 10 4544 9 8 14 18 17
Tin City
14 13 12 12.3 9 20815 9 4 11 13 13
Kotzebue
10 13 7 11.3 12 21792 10 2 11 12 12
Cape Lisburne
9 9 11 9.4 10 20264 9 11 15 12 6
Point Lay
8 8 10 8.8 10 3291 10 10 11 10 10
Barrow
8 9 10 10.7 11 19325 12 1 11 10 12
Lonely
7 8 9 8.5 11 3429 10 8 10 7 9
Oliktok
7 9 10 9.3 11 3316 11 8 10 7 9
Barter
6 9 8 10.1 12 18470 12 3 8 7 11
Tuktoyaktuk
10 13 10 9.9 11 3201 10 3 9 9 10
Cape Parry
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Clinton Point
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Holman
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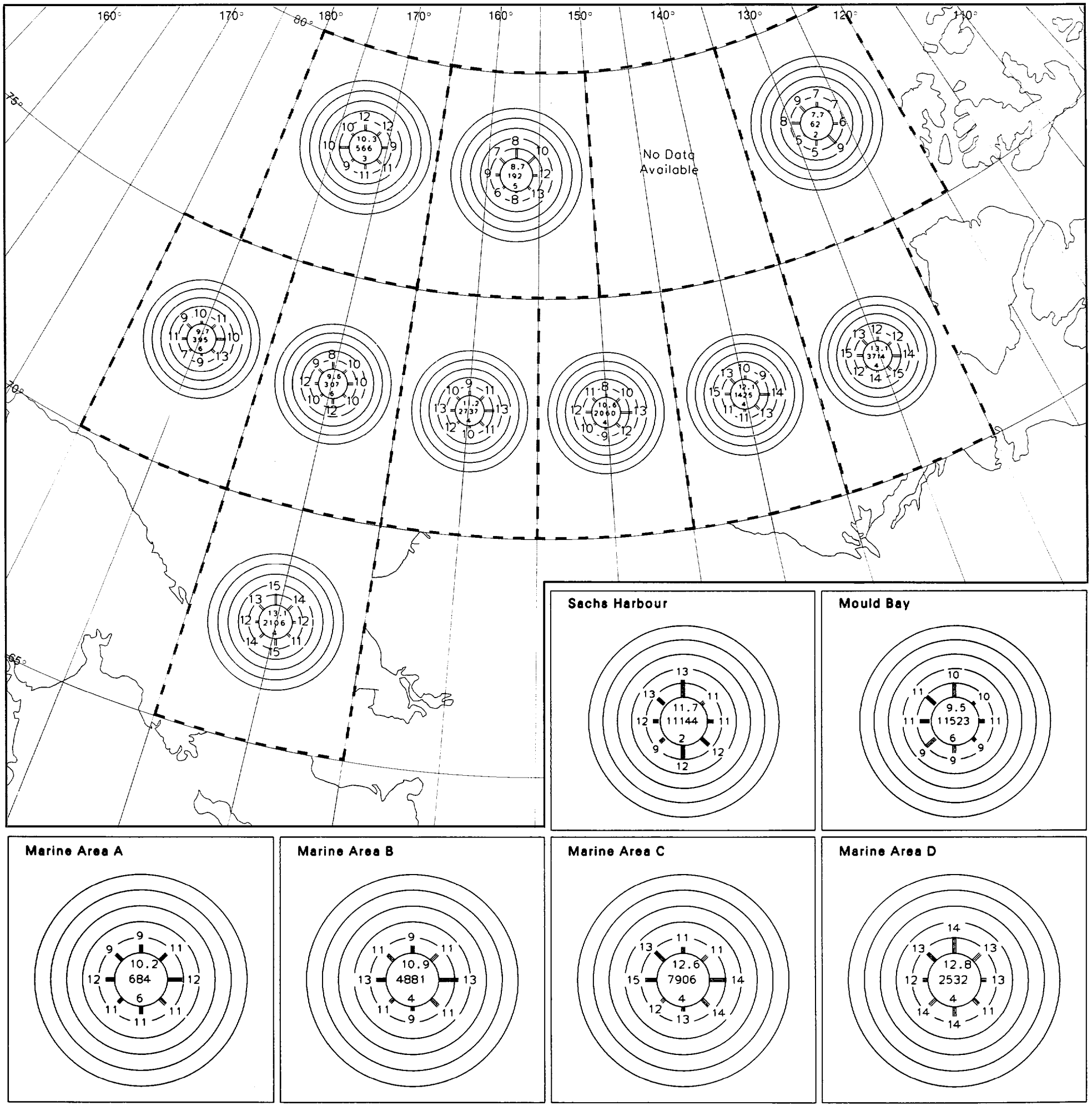
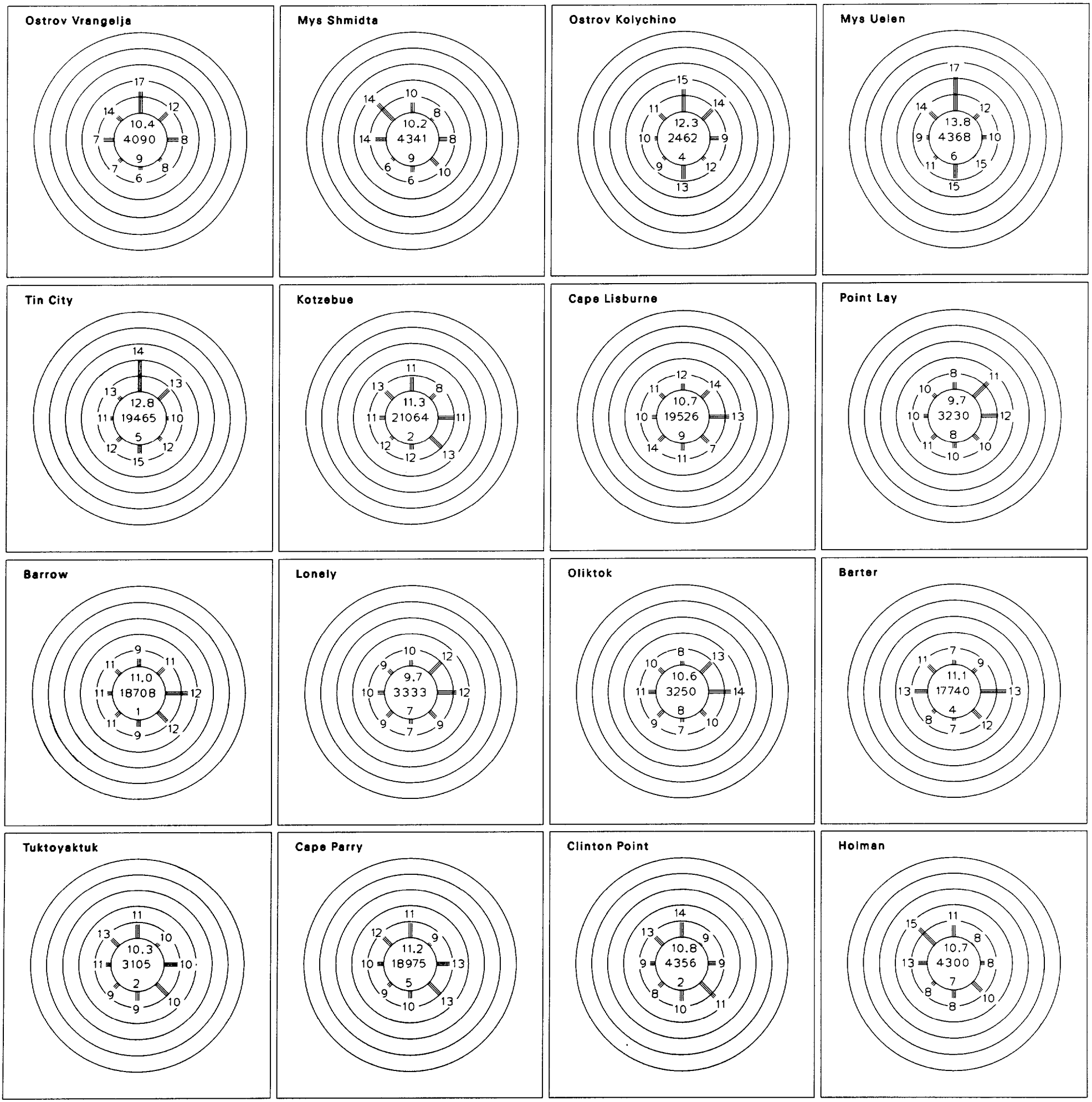


14 Wind Speed and Direction **August**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Mys Shmidta
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10.2
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Ostrov Kolychino
15 14 9 12 13 4 9 10 11
12.3
2462
Mys Uelen
17 12 10 15 15 6 11 9 14
13.8
4368
Tin City
14 13 13 10 15 12 12 5 11 10
12.8
19465
Kotzebue
11 8 11 13 12 2 12 11 13
11.3
21064
Cape Lisburne
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10.7
19526
Point Lay
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9.7
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Barrow
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11.0
18708
Lonely
10 12 12 7 7 9 9 10 9
9.7
3333
Oliktok
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10.6
3250
Barter
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11.1
17740
Tuktoyaktuk
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10.3
3105
Cape Parry
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Clinton Point
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Holman
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10.7
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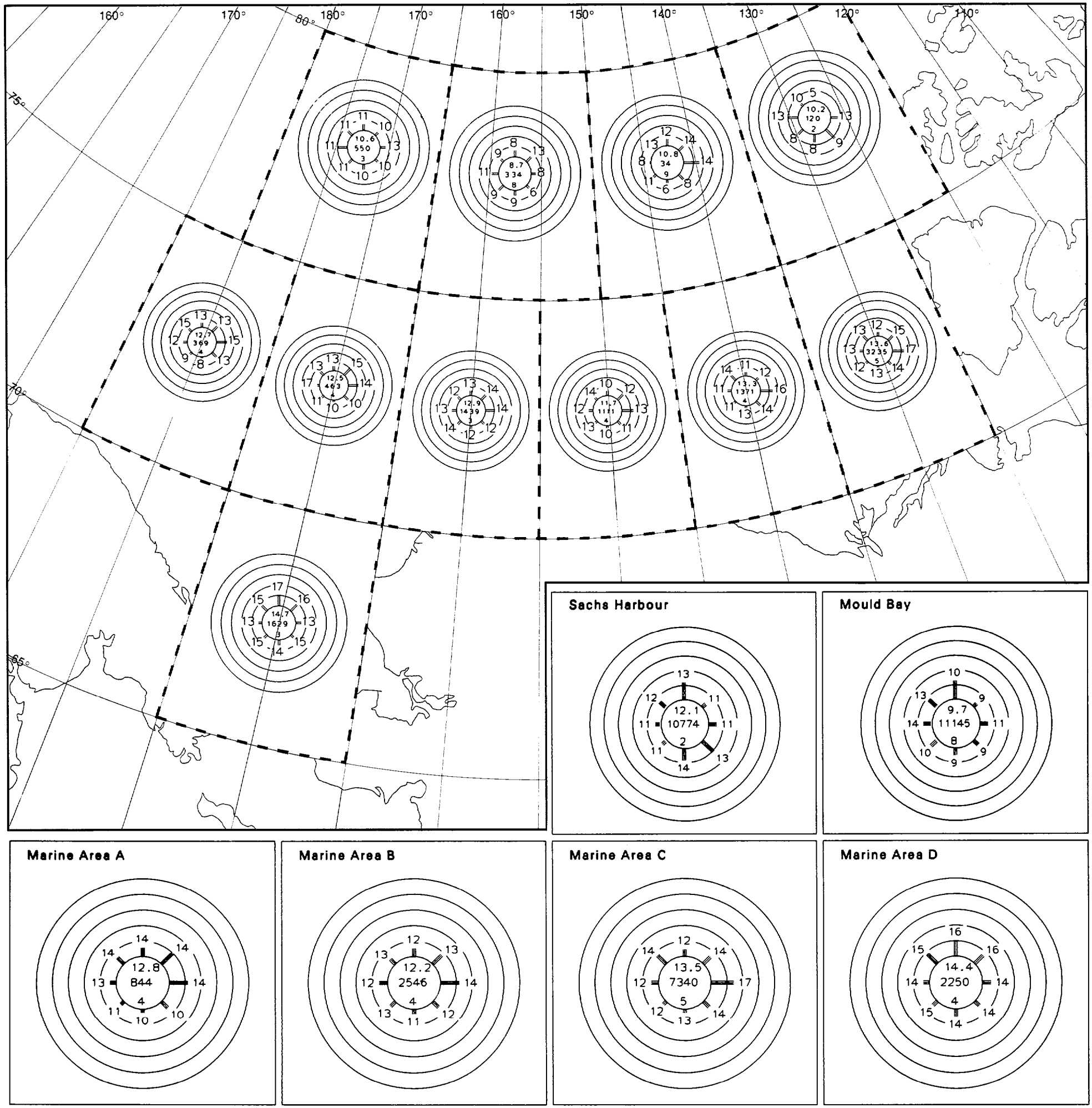
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Mould Bay
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Marine Area B
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Marine Area C
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Marine Area D
14.4
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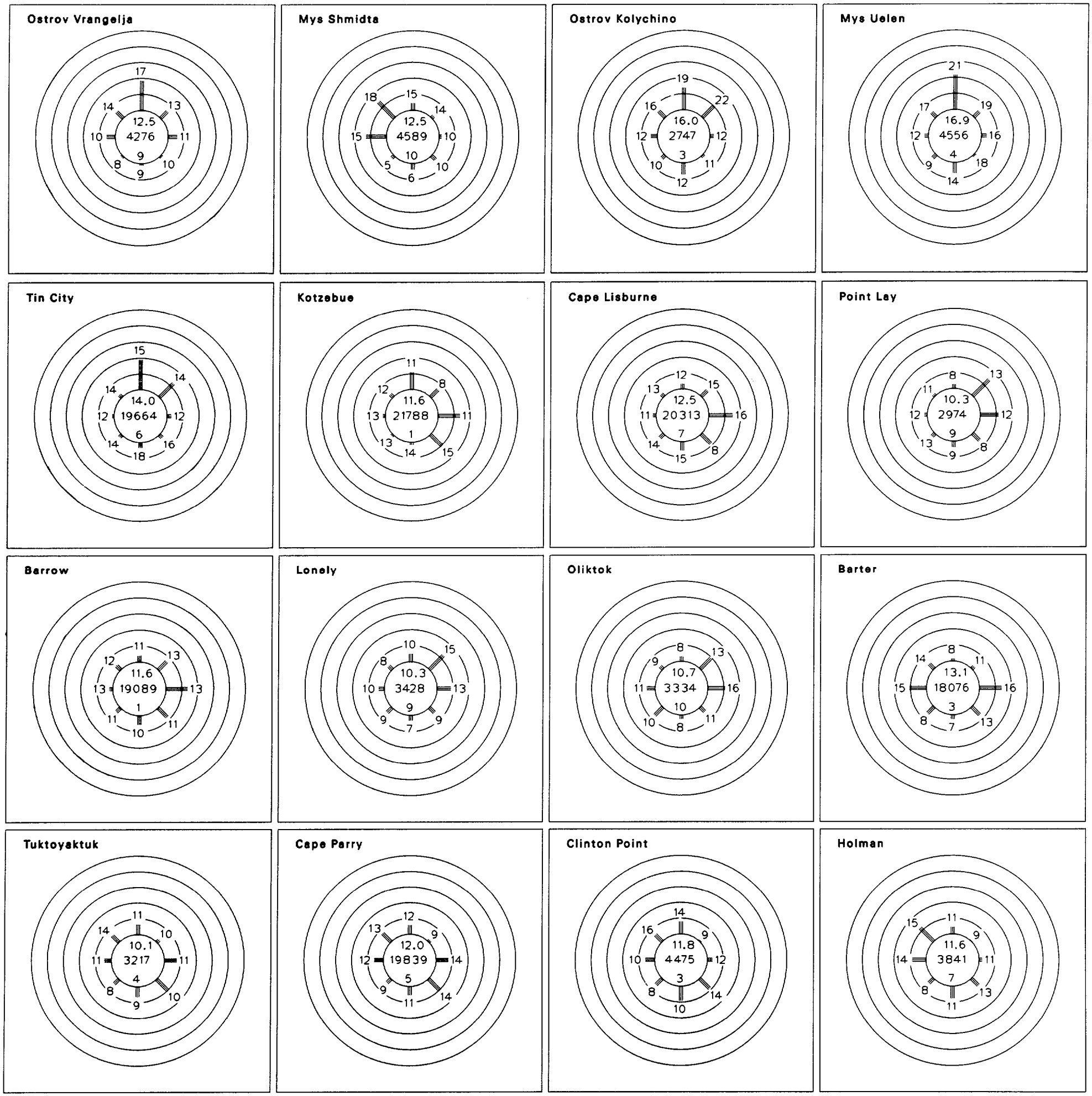
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Mys Shmidta
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10
5
10
6
Ostrov Kolychino
19
16
22
16.0
12
2747
12
3
10
11
12
Mys Uelen
21
17
19
16.9
12
4556
16
4
9
18
14
Tin City
15
14
14
14.0
12
19664
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6
14
16
18
Kotzebue
11
12
8
11.6
13
21788
11
1
13
14
15
Cape Lisburne
12
13
15
12.5
11
20313
16
7
14
8
15
Point Lay
8
13
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10.3
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2974
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8
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Barrow
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11.6
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19089
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11
11
10
Lonely
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8
10.3
10
3428
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9
7
Oliktok
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13
9
10.7
11
3334
16
10
10
11
8
Barter
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14
11
13.1
15
18076
16
3
8
13
7
Tuktoyaktuk
11
14
10
10.1
11
3217
11
4
8
10
9
Cape Parry
12
13
9
12.0
12
19839
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5
9
14
11
Clinton Point
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16
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11.8
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Holman
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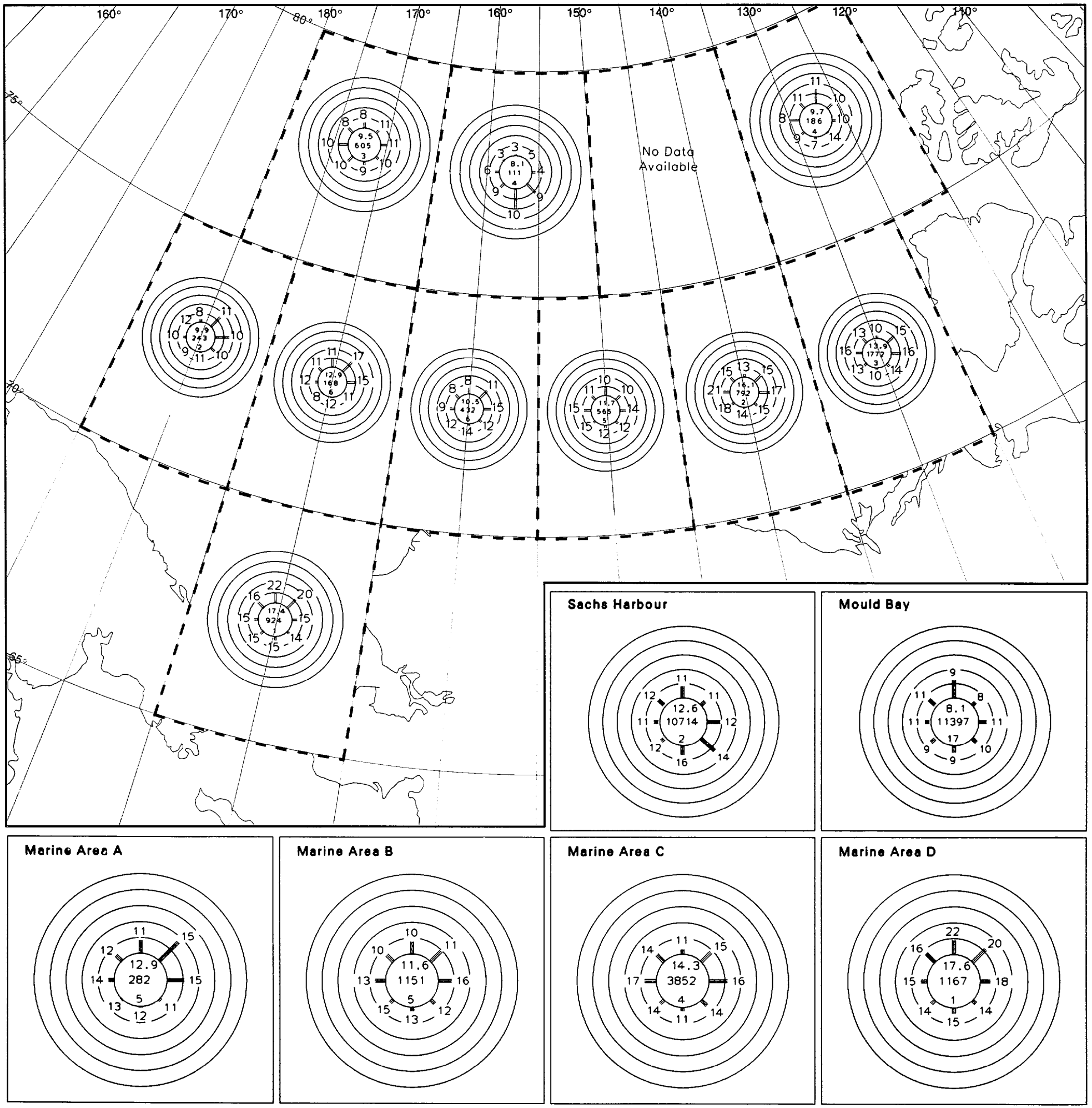
13
11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180°
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70°
65°
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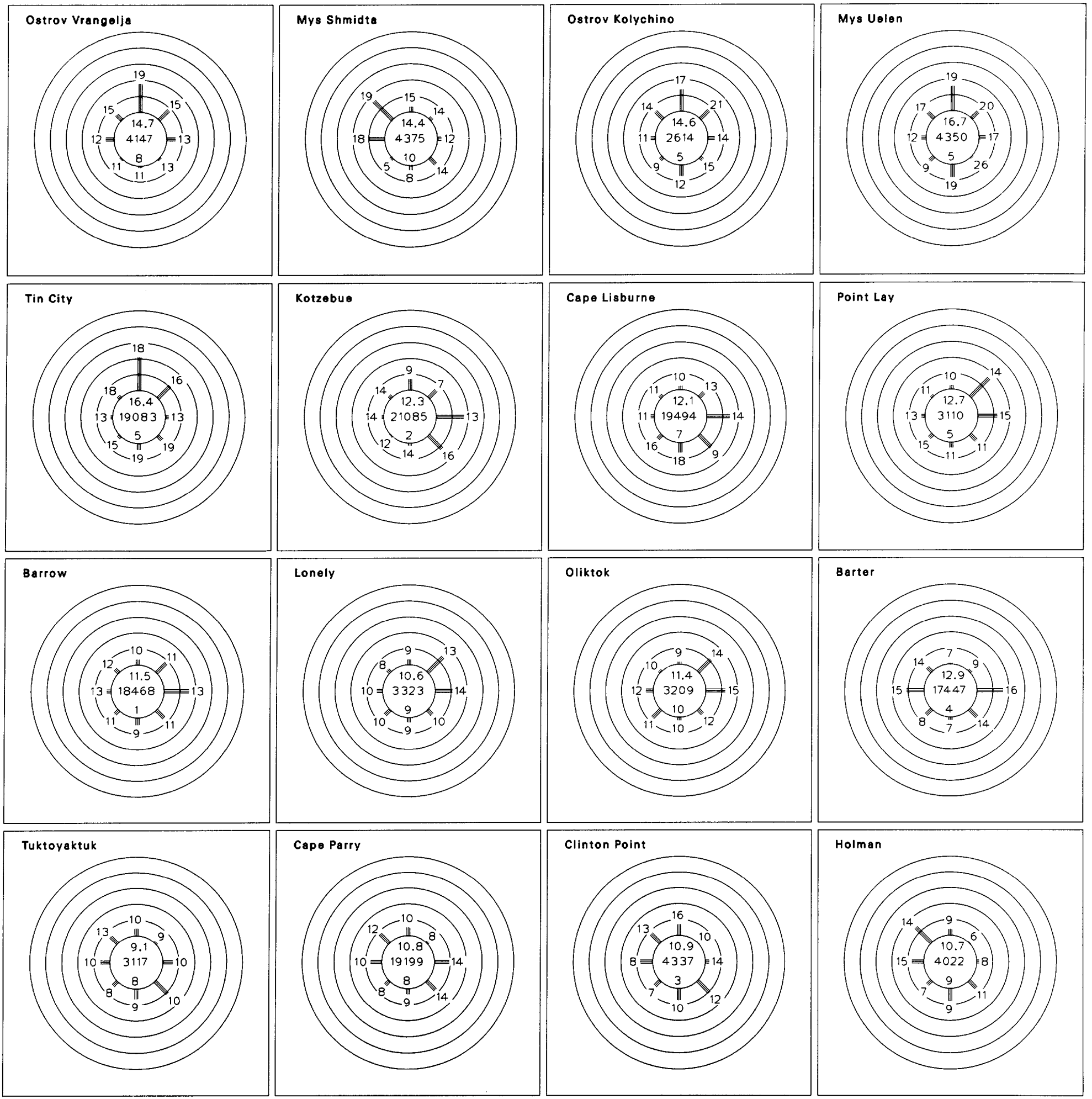
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D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14.4
4375
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12
10
5
14
8
Ostrov Kolychino
17
14
21
14.6
2614
11
14
5
9
15
12
Mys Uelen
19
17
20
16.7
4350
12
17
5
9
26
19
Tin City
18
16
18
16.4
19083
13
13
5
15
19
19
Kotzebue
9
7
14
12.3
21085
14
13
2
12
14
16
Cape Lisburne
10
11
13
12.1
19494
11
14
7
16
18
9
Point Lay
10
14
11
12.7
3110
13
15
5
15
11
11
Barrow
10
11
12
11.5
18468
13
13
1
11
9
11
Lonely
9
13
8
10.6
3323
10
14
9
10
9
10
Oliktok
9
14
10
11.4
3209
12
15
10
11
10
12
Barter
7
14
9
12.9
17447
15
16
4
8
7
14
Tuktoyaktuk
10
13
9
9.1
3117
10
10
8
8
9
10
Cape Parry
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12
8
10.8
19199
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8
8
9
14
Clinton Point
16
13
10
10.9
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Holman
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10.7
4022
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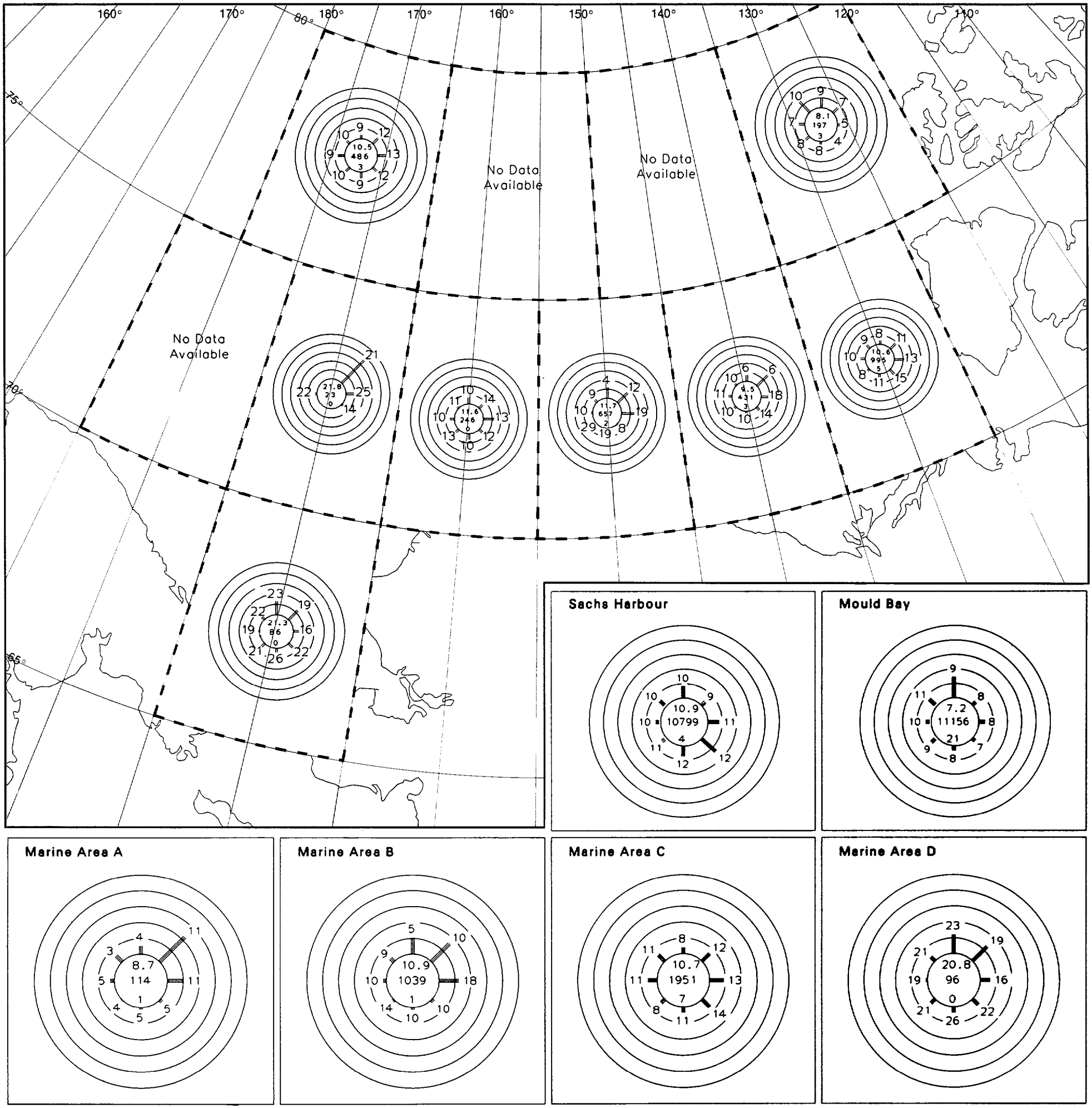
7
11
9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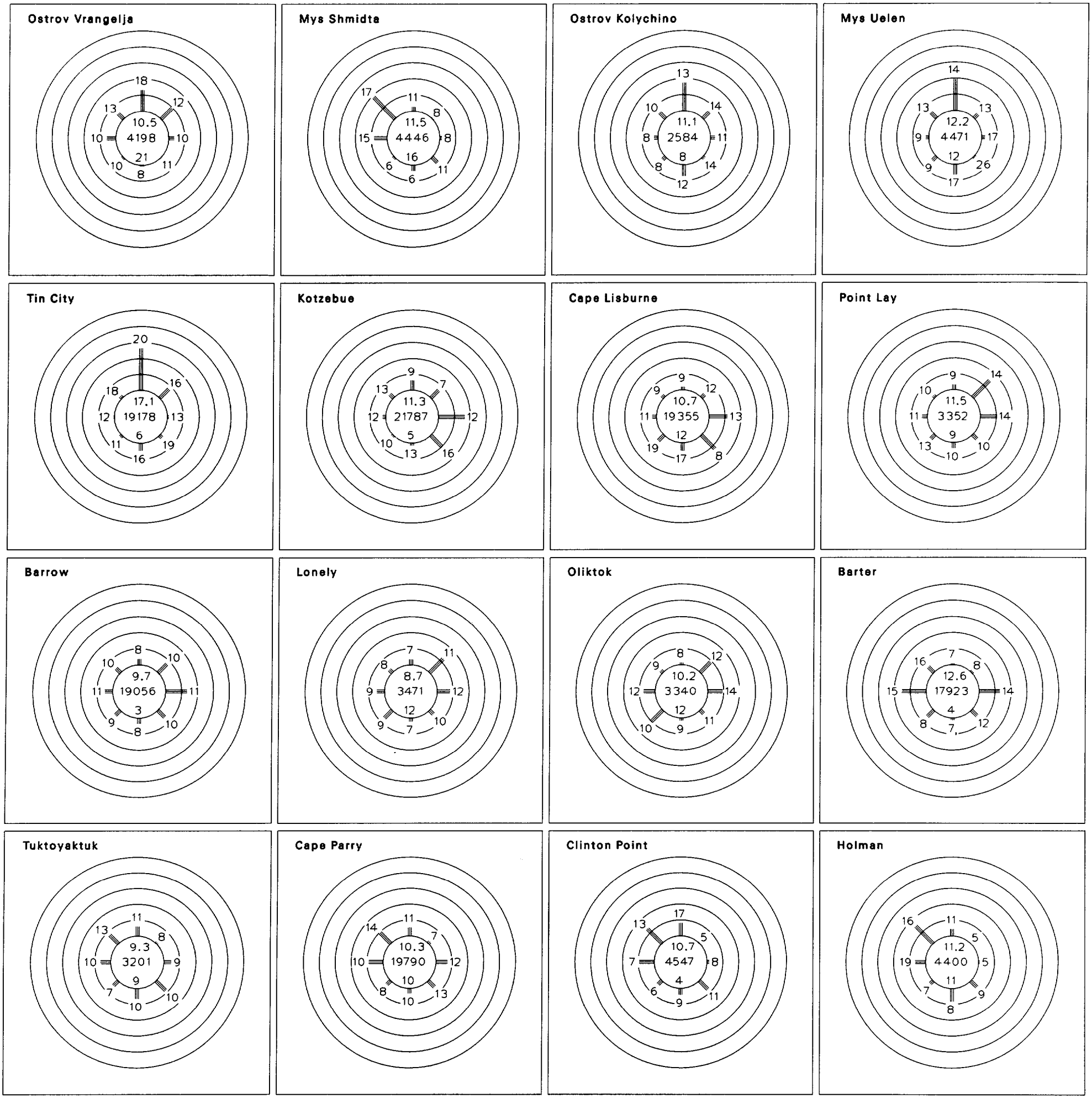
No Data Available
Sachs Harbour
Mould Bay
Marine Area A
Marine Area B
Marine Area C
Marine Area D


Ostrov Vrangelja
18 12 10 10 11 8 10 13
10.5
4198
21
Mys Shmidta
17 11 8 8 11 6 16 15
11.5
4446
Ostrov Kolychino
13 14 11 14 12 8 8 10
11.1
2584
Mys Uelen
14 13 13 17 26 17 9 9
12.2
4471
12
Tin City
20 16 13 19 16 11 6 12 18
17.1
19178
Kotzebue
9 7 12 16 13 10 5 12 13
11.3
21787
Cape Lisburne
9 12 13 8 17 19 12 11 9
10.7
19355
Point Lay
9 14 14 10 13 10 9 11
11.5
3352
Barrow
8 10 11 9 8 10 10 11
9.7
19056
3
Lonely
7 11 12 10 7 9 12 8
8.7
3471
Oliktok
8 12 14 11 9 10 12 12
10.2
3340
Barter
7 8 14 12 7 8 15 16
12.6
17923
4
Tuktoyaktuk
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9.3
3201
Cape Parry
11 7 12 10 13 10 8
10.3
19790
10
Clinton Point
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10.7
4547
Holman
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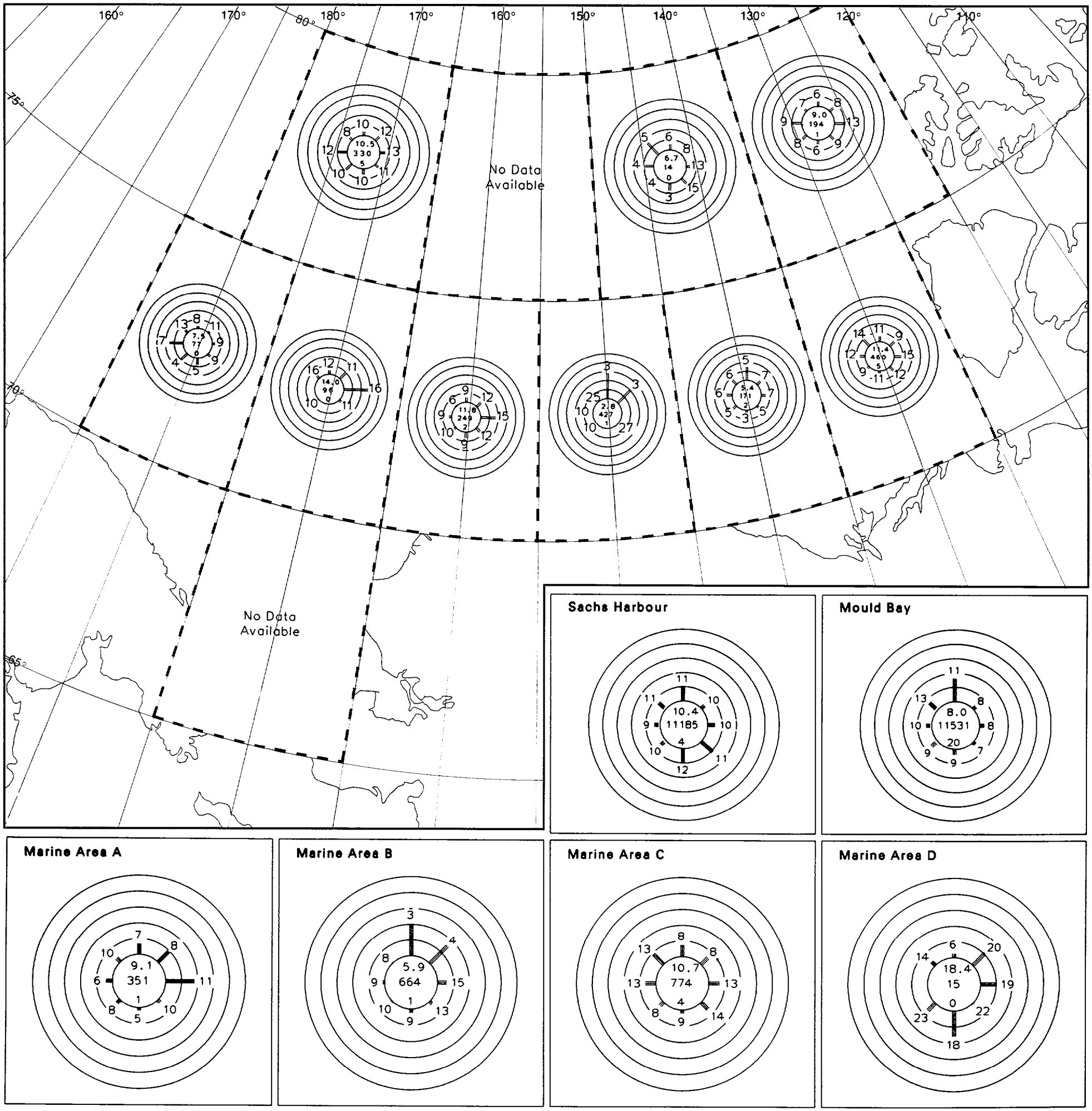
11.2
4400
11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170°
180°
170°
160°
150°
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80°
75°
70°
No Data Available
No Data Available
Sachs Harbour
10.4
11185
Mould Bay
8.0
11531
Marine Area A
9.1
351
Marine Area B
5.9
664
Marine Area C
10.7
774
Marine Area D
18.4

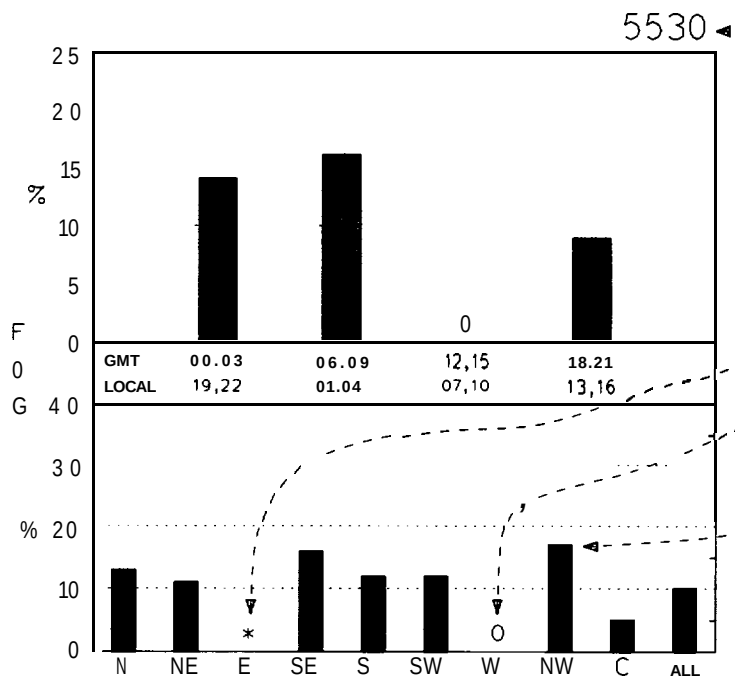
Map 15. Fog and poor visibility

BLACK LINE – Percent frequency of visibility <1/2 nautical mile.

BLUE LINE – Percent frequency of fog occurring without precipitation.

Albers Equal-Area Conic Projection

Graphs: Fog/time and fog/wind direction



Number of observations.

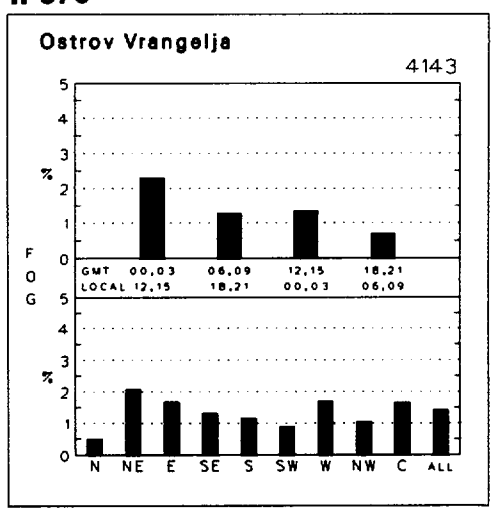
Bar graphs represent percent frequency of fog (without precipitation) for various hour groupings and wind directions. Data are based on 100% for each hour-group and direction category.

* indicates <.05% but >0.

0 indicates no fog occurred with the wind direction.

(Data show that 17% of all NW winds were accompanied by Fog (without precipitation).)

Fog is composed of minute droplets suspended in the atmosphere near the earth's surface which have no visible downward motion (fog is a stratus cloud on the surface). Fog is distinguished from haze (suspended dust or salt particles, yellowish or blue in color) by its dampness and grey color; also its restriction of visibility (less than one-half nautical mile) if deeper than 33 feet, a height considered average for the observer above the sea surface while standing on the bridge of a ship (WMO code). Fog rarely exists when the difference between the air and dew point temperatures is more than 2.5°C. Present weather coding of fog in the marine observation is restricted to reporting of fog only when no precipitation is occurring at the time of observation (see present weather code table in the text of Set 2). Therefore, determination of occurrences of either fog with precipitation or all fog is not possible. The isopleth presentation (BLACK LINE) of visibility less than one-half nautical mile, includes restrictions to visibility due to any weather phenomena; i.e., fog, precipitation, dust, smoke, etc.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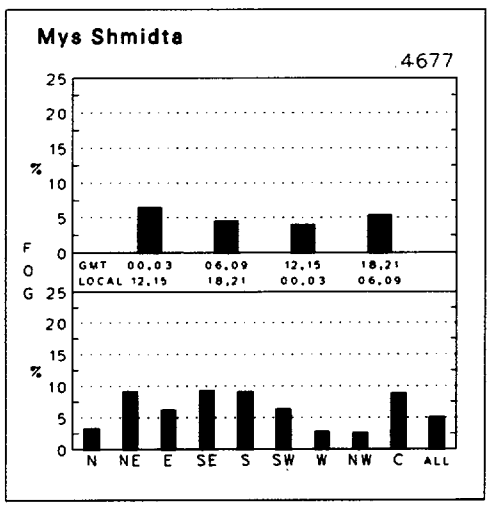
4143
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Shmidta
4677
FOG %
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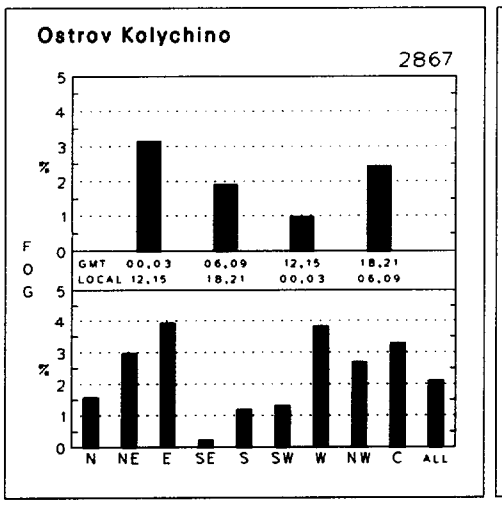
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Ostrov Kolychino
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FOG %
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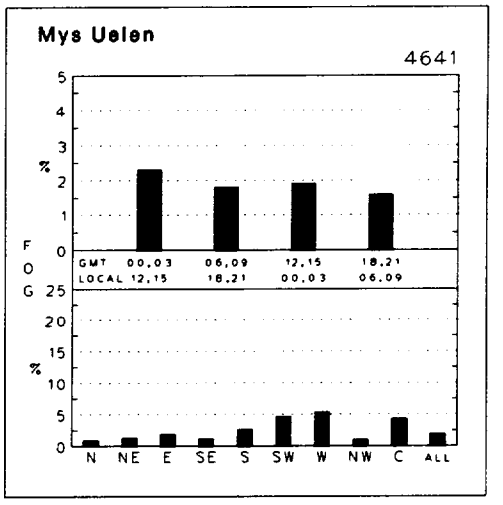
Mys Uelen
4641
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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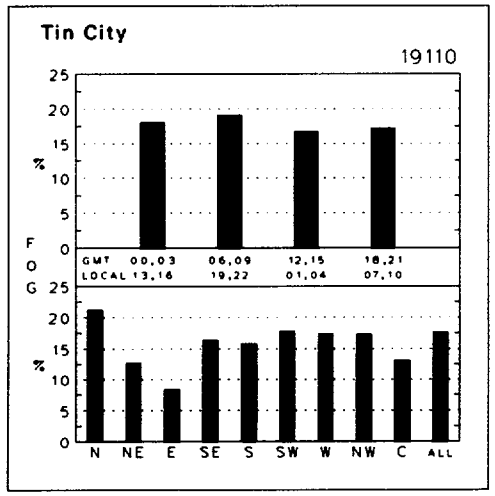
Tin City
19110
FOG %
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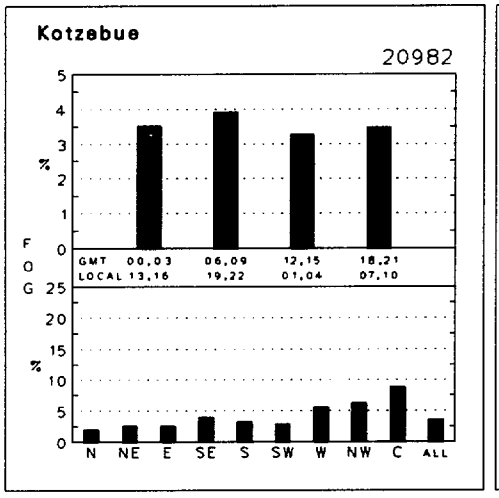
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Kotzebue
20982
FOG %
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LOCAL 13,16 19,22 01,04 07,10
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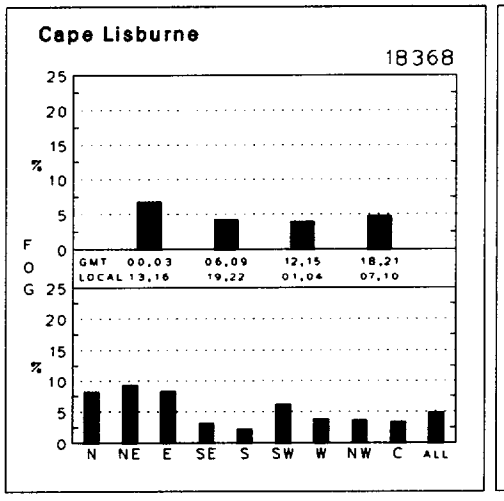
Cape Lisburne
18368
FOG %
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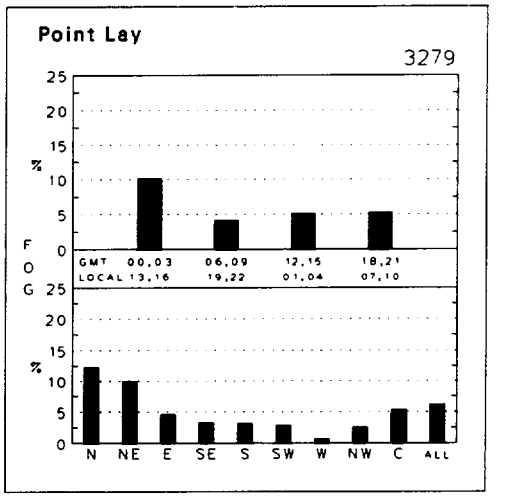
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Point Lay
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FOG %
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LOCAL 13,16 19,22 01,04 07,10
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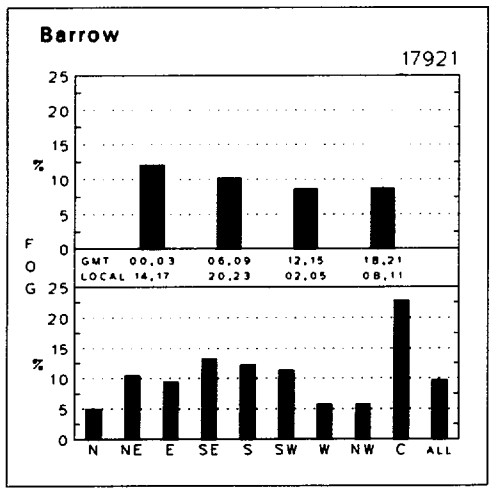
Barrow
17921
FOG %
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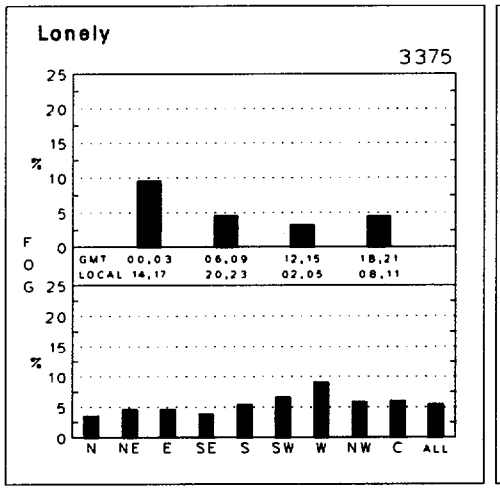
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Lonely
3375
FOG %
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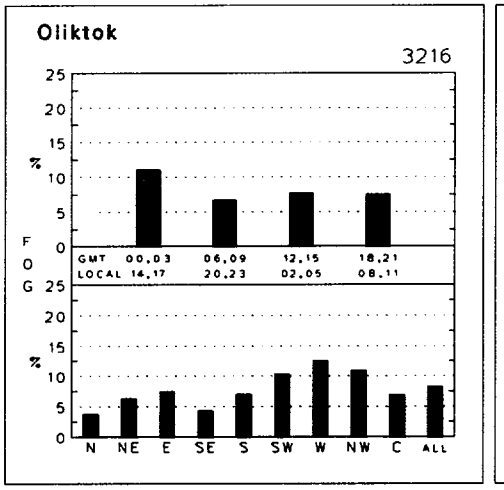
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
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FOG %
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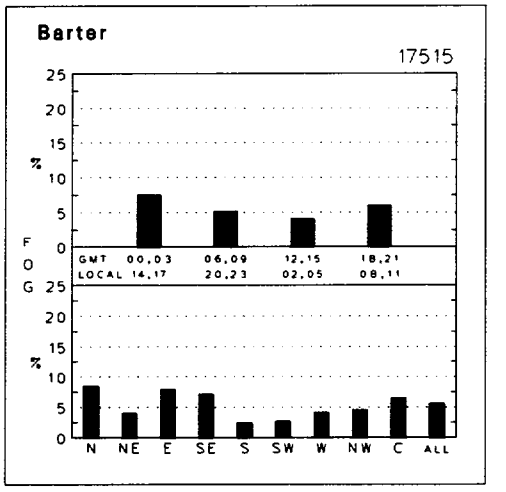
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Barter
17515
FOG %
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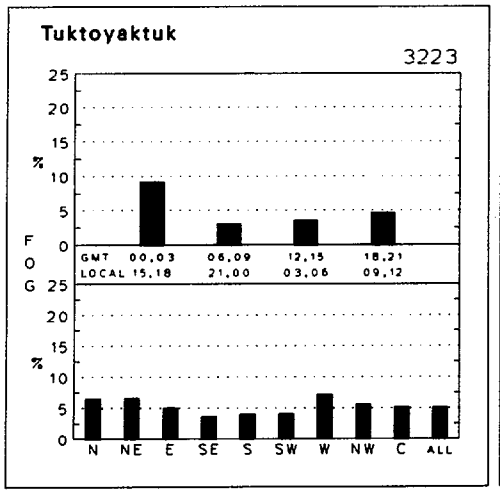
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Tuktoyaktuk
3223
FOG %
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LOCAL 15,18 21,00 03,06 09,12
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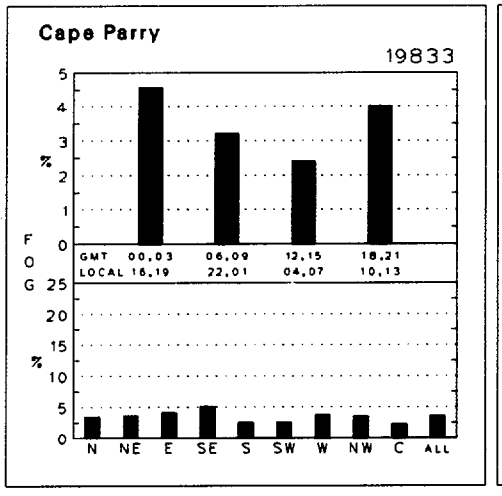
Cape Parry
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FOG %
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LOCAL 16,19 22,01 04,07 10,13
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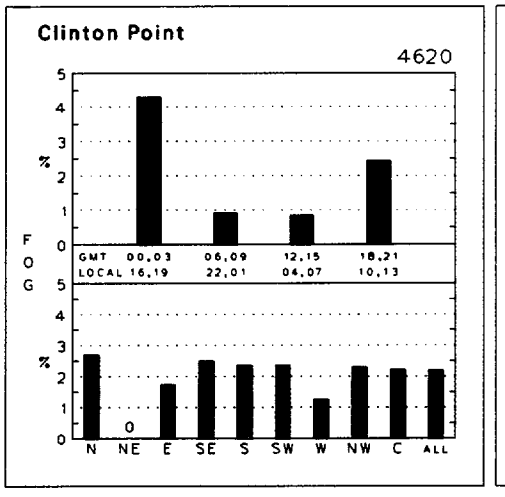
Clinton Point
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FOG %
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LOCAL 16,19 22,01 04,07 10,13
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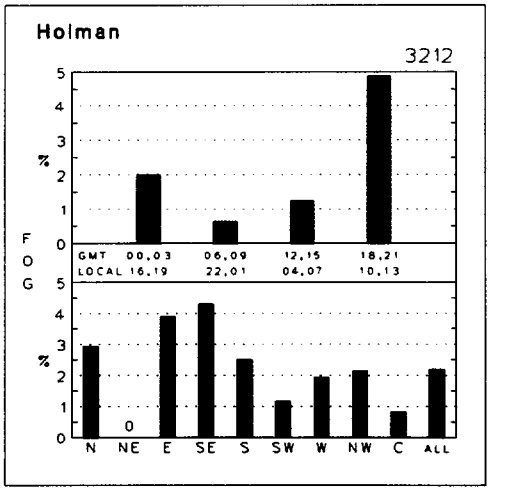
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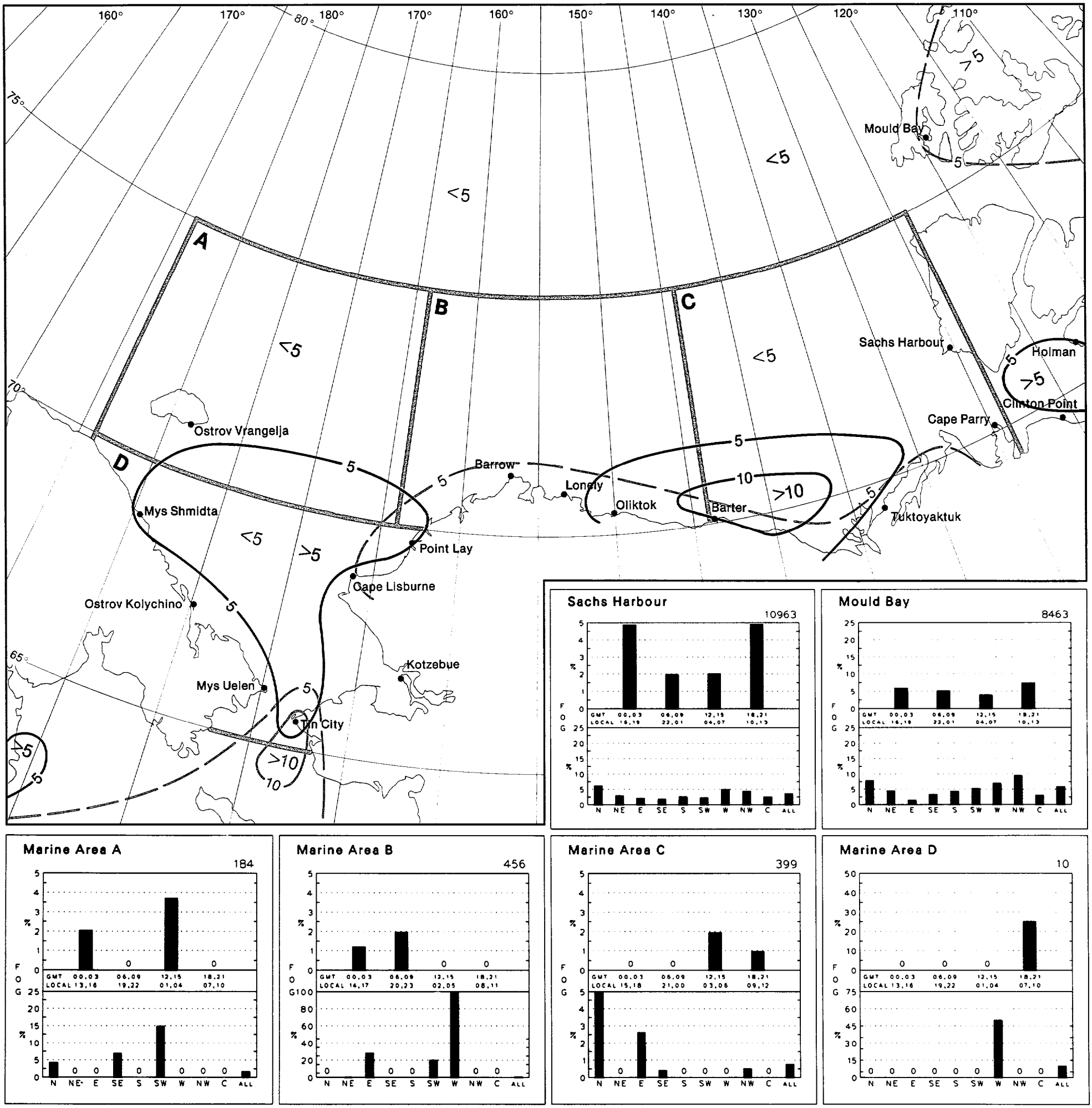
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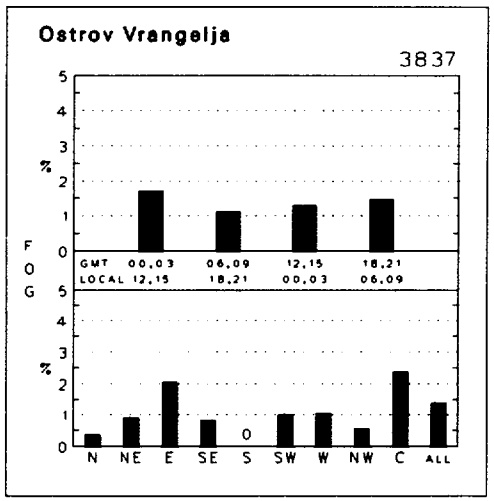
150°
140°
130°
120°
110°
75°
70°
65°
A
B
C
D
<5
>5
5
10
>10
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10963
Mould Bay
8463
Marine Area A
184
Marine Area B
456
Marine Area C
399
Marine Area D
10
FOG %
GMT
LOCAL
N NE E SE S SW W NW C ALL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FOG %
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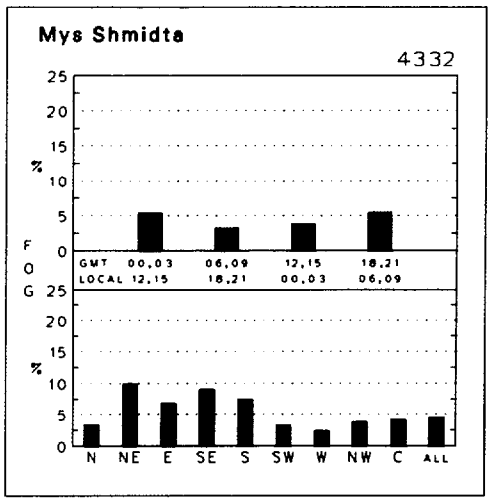
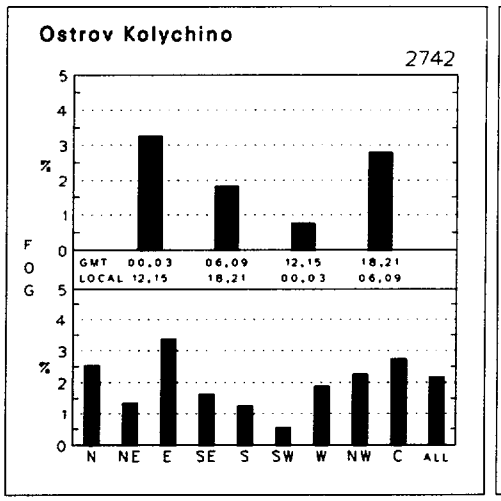
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Shmidta
4332
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Ostrov Kolychino
2742
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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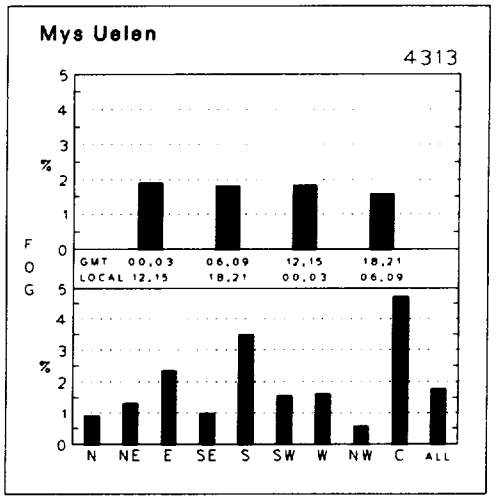
Mys Uelen
4313
FOG %
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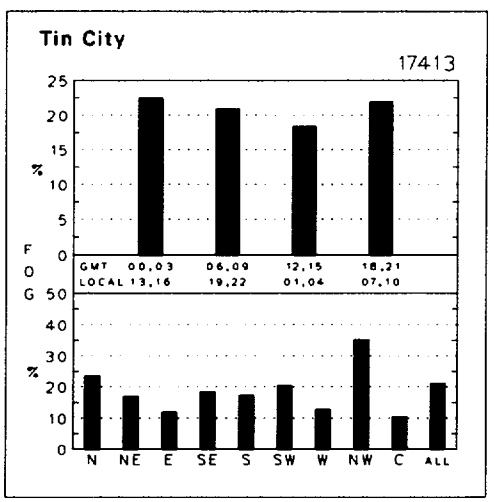
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Tin City
17413
FOG %
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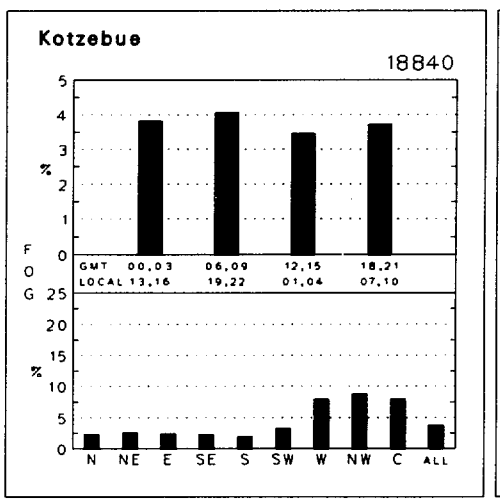
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Kotzebue
18840
FOG %
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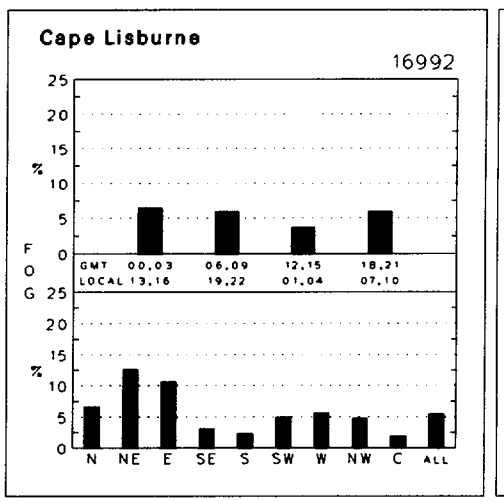
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Cape Lisburne
16992
FOG %
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LOCAL 13,16 19,22 01,04 07,10
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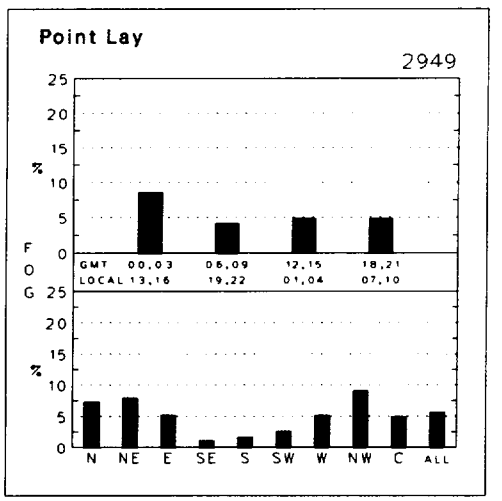
Point Lay
2949
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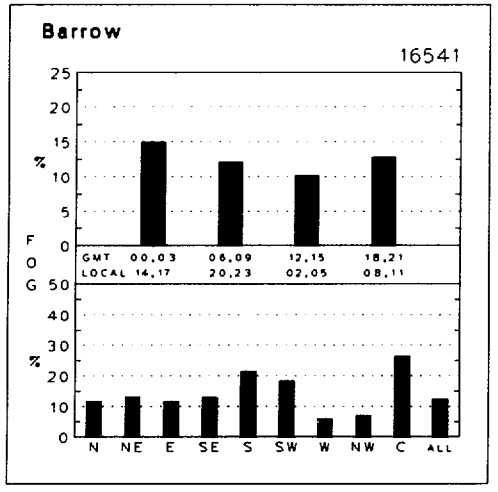
Barrow
16541
FOG %
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LOCAL 14,17 20,23 02,05 08,11
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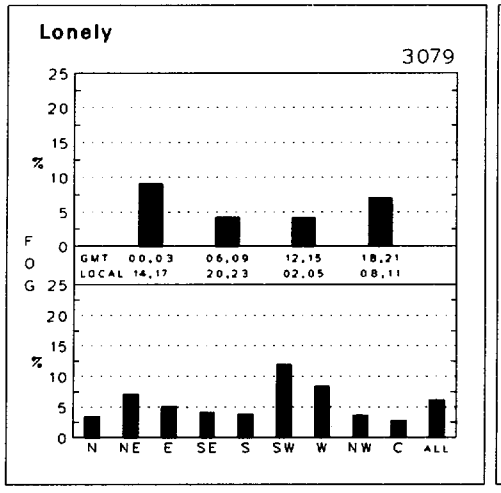
Lonely
3079
FOG %
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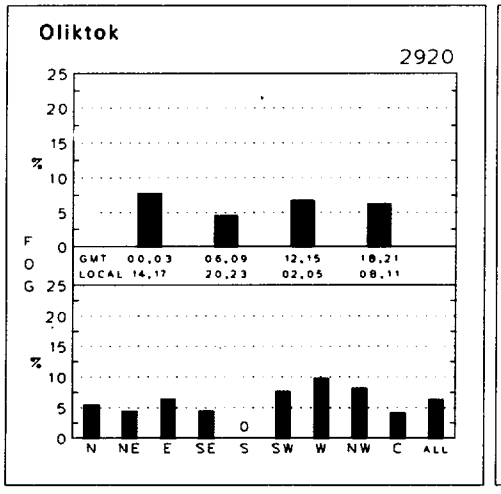
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
2920
FOG %
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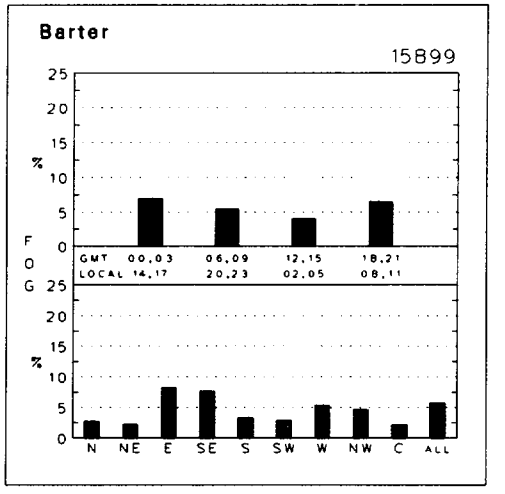
Barter
15899
FOG %
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LOCAL 14,17 20,23 02,05 08,11
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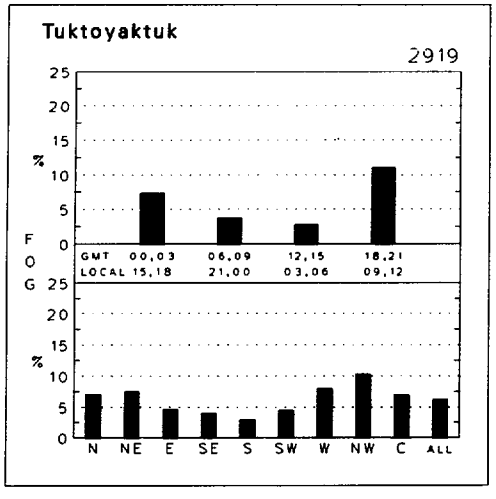
Tuktoyaktuk
2919
FOG %
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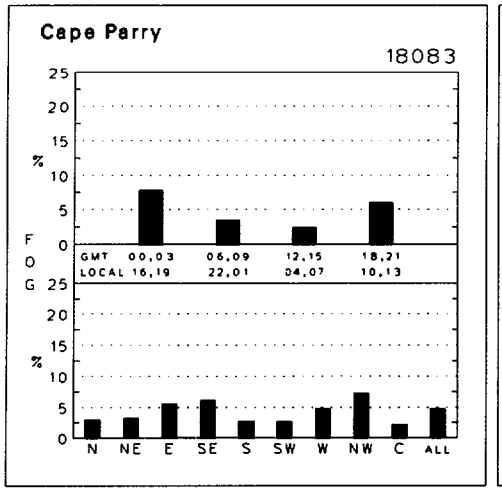
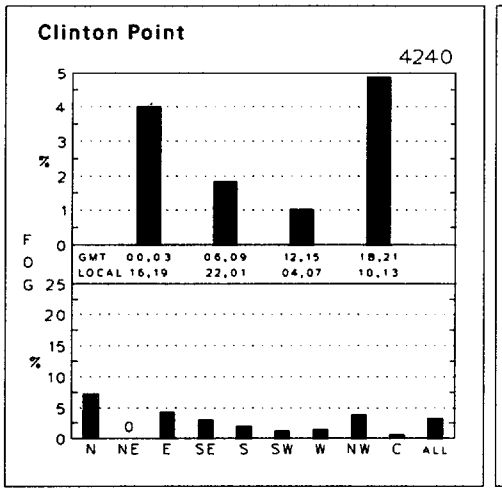
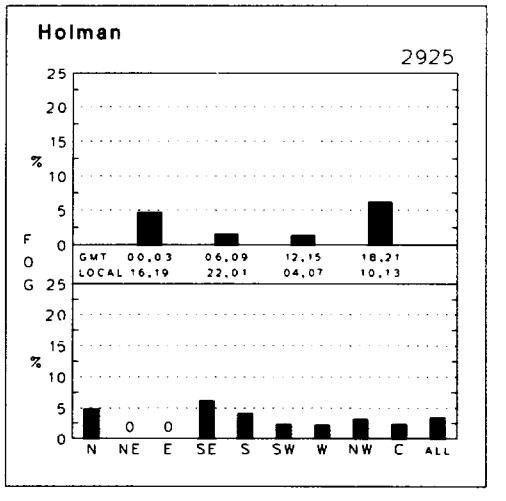
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL


Cape Parry
18083
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4240
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Holman
2925
FOG %
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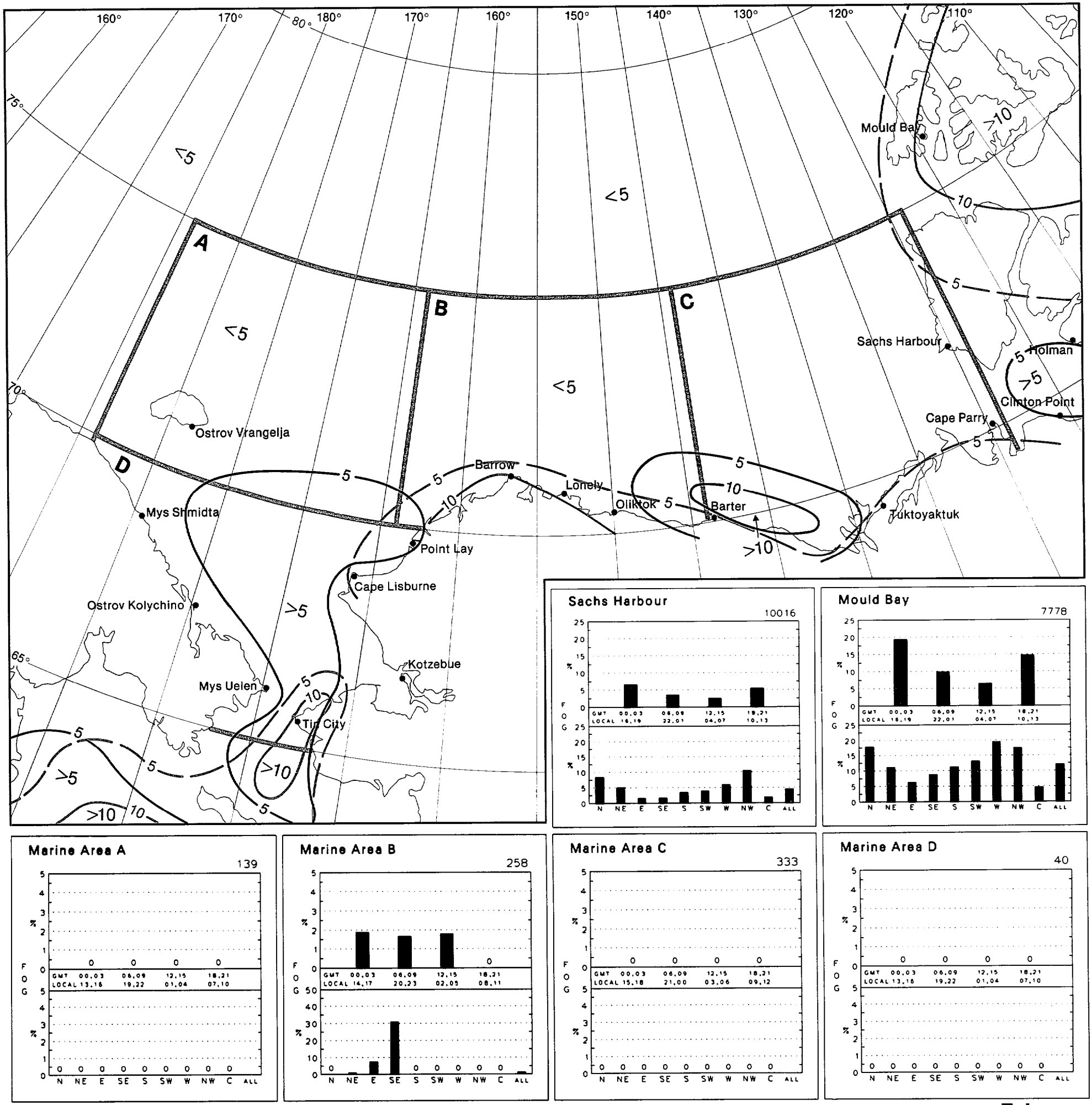
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


160°
170°
80°
180°
170°
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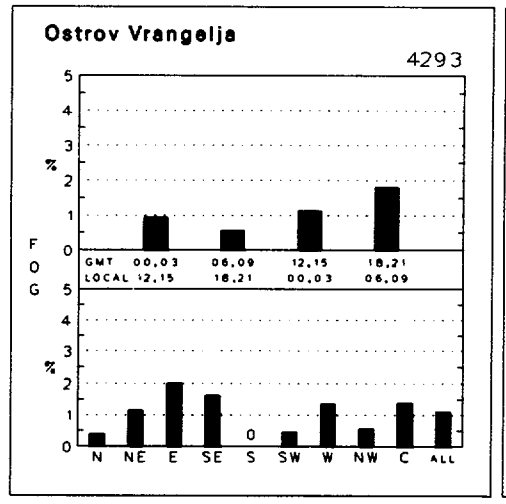
120°
110°
75°
70°
65°
A
B
C
D
<5
>10
10
5
>5
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10016
Mould Bay
7778
Marine Area A
139
Marine Area B
258
Marine Area C
333
Marine Area D
40
FOG
%
GMT
LOCAL
N NE E SE S SW W NW C ALL


Ostrov Vrangelja
4293
FOG %
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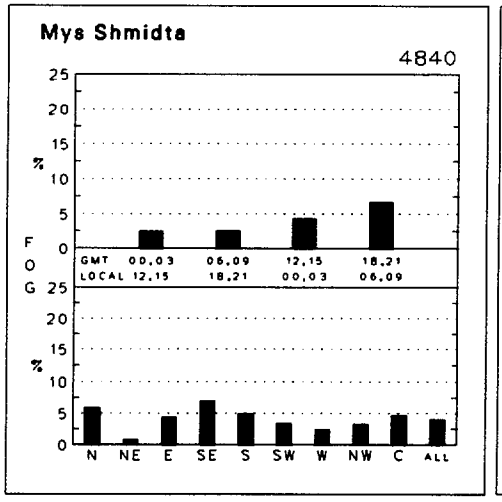
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Shmidta
4840
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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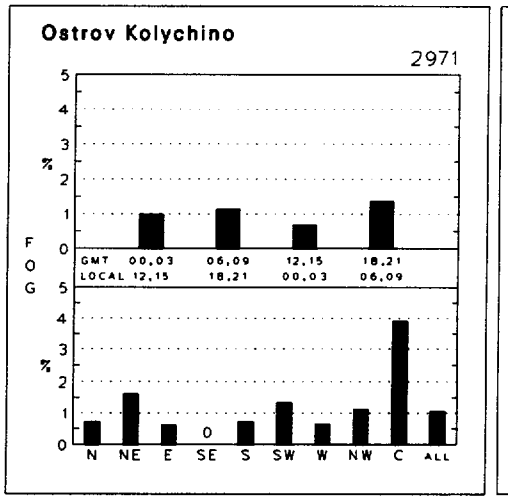
Ostrov Kolychino
2971
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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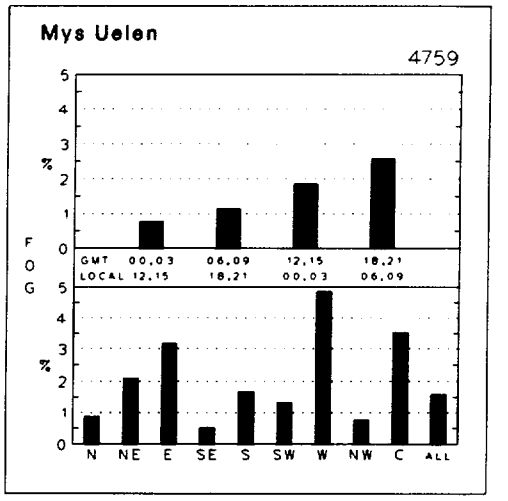
Mys Uelen
4759
FOG %
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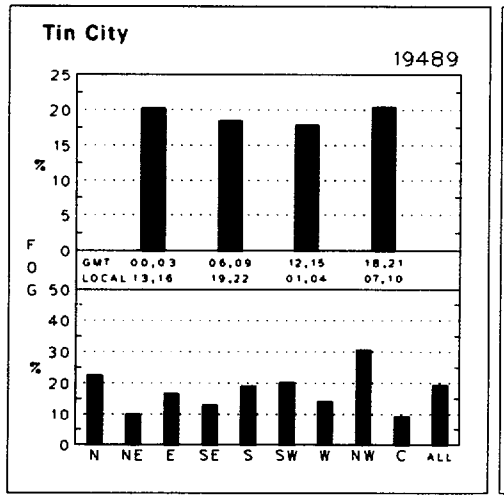
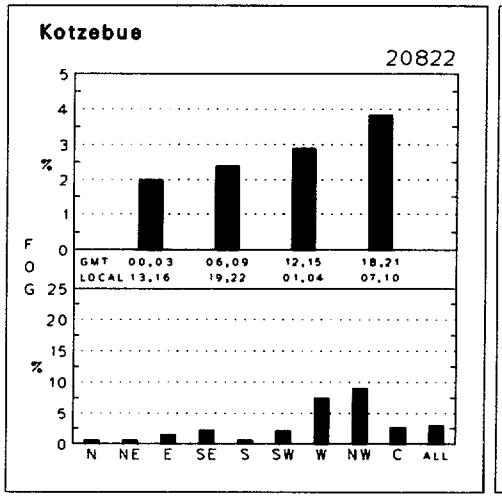
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Tin City
19489
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Kotzebue
20822
FOG %
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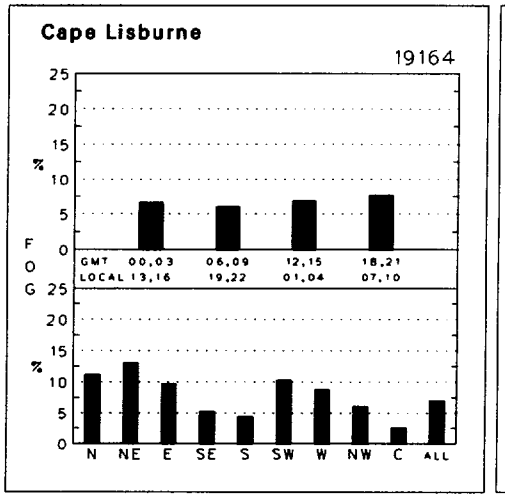
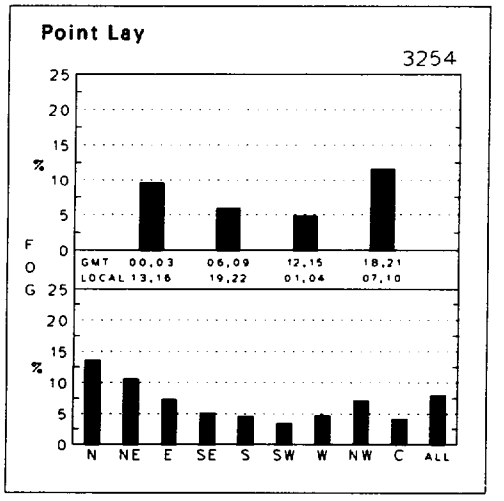
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Cape Lisburne
19164
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Point Lay
3254
FOG %
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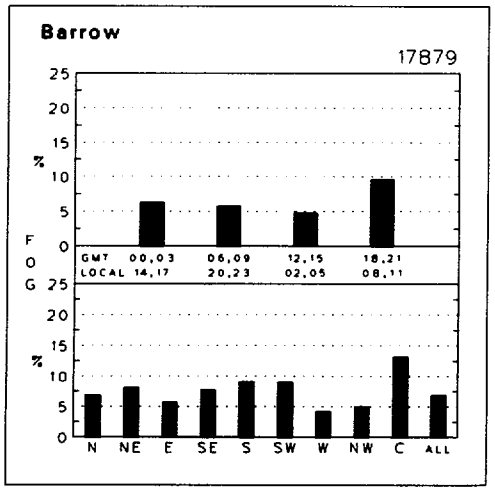
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Barrow
17879
FOG %
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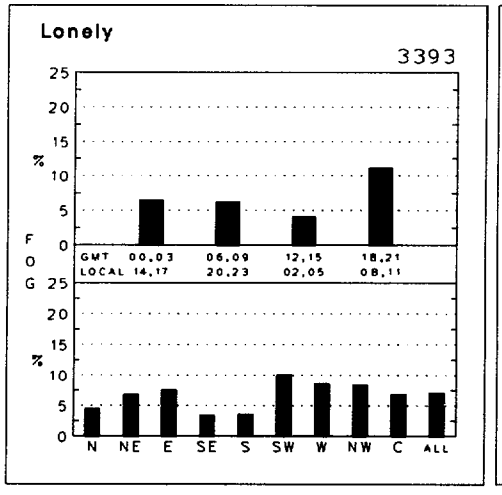
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Lonely
3393
FOG %
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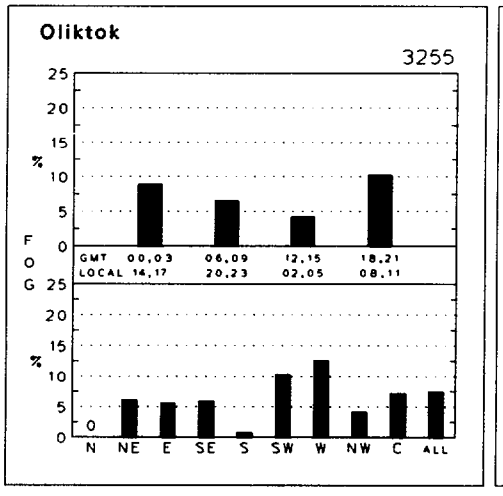
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
3255
FOG %
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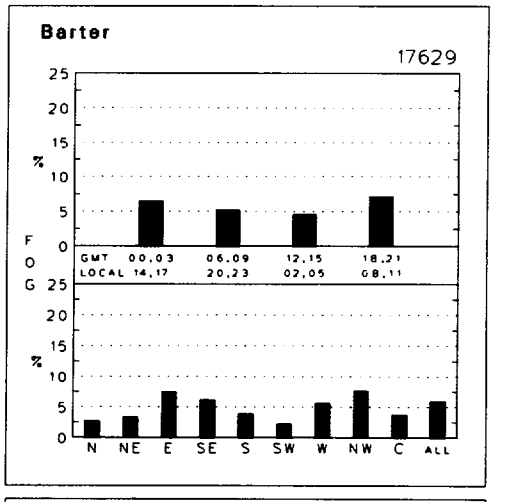
Barter
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FOG %
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LOCAL 14,17 20,23 02,05 08,11
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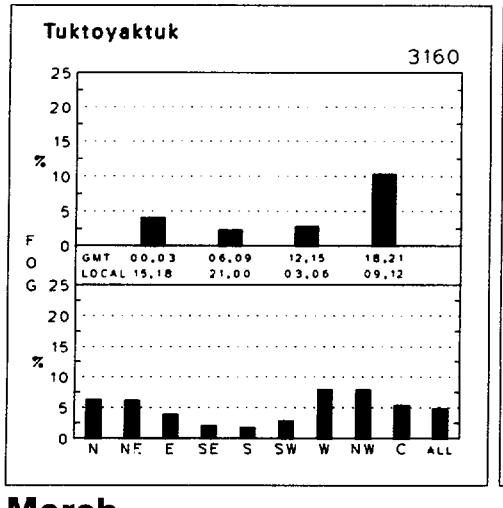
Tuktoyaktuk
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FOG %
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LOCAL 15,18 21,00 03,06 09,12
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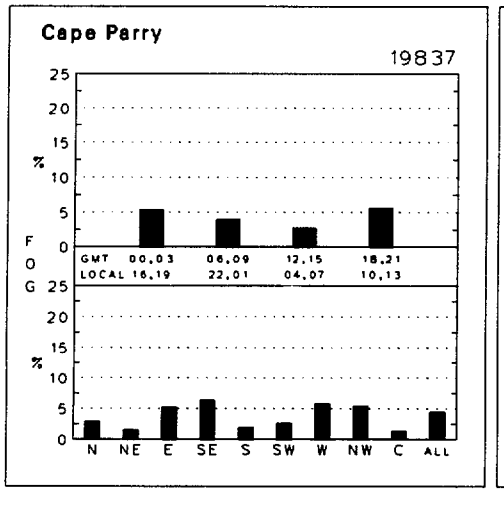
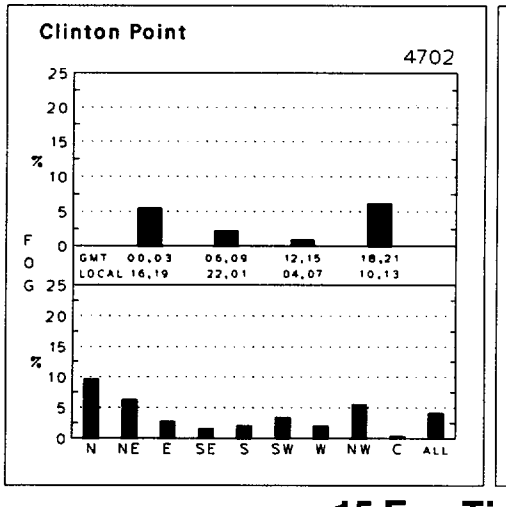

Cape Parry
19837
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4702
FOG %
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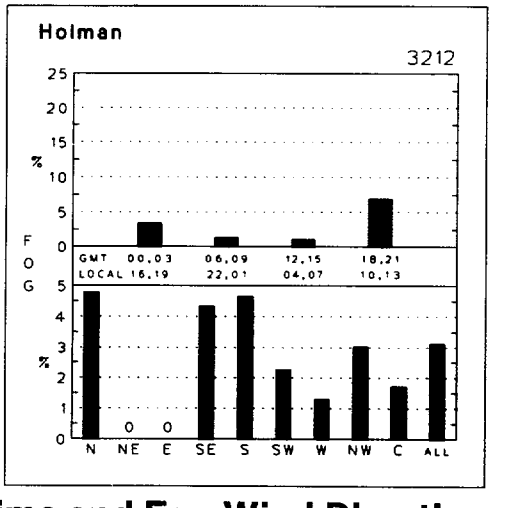
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Holman
3212
FOG %
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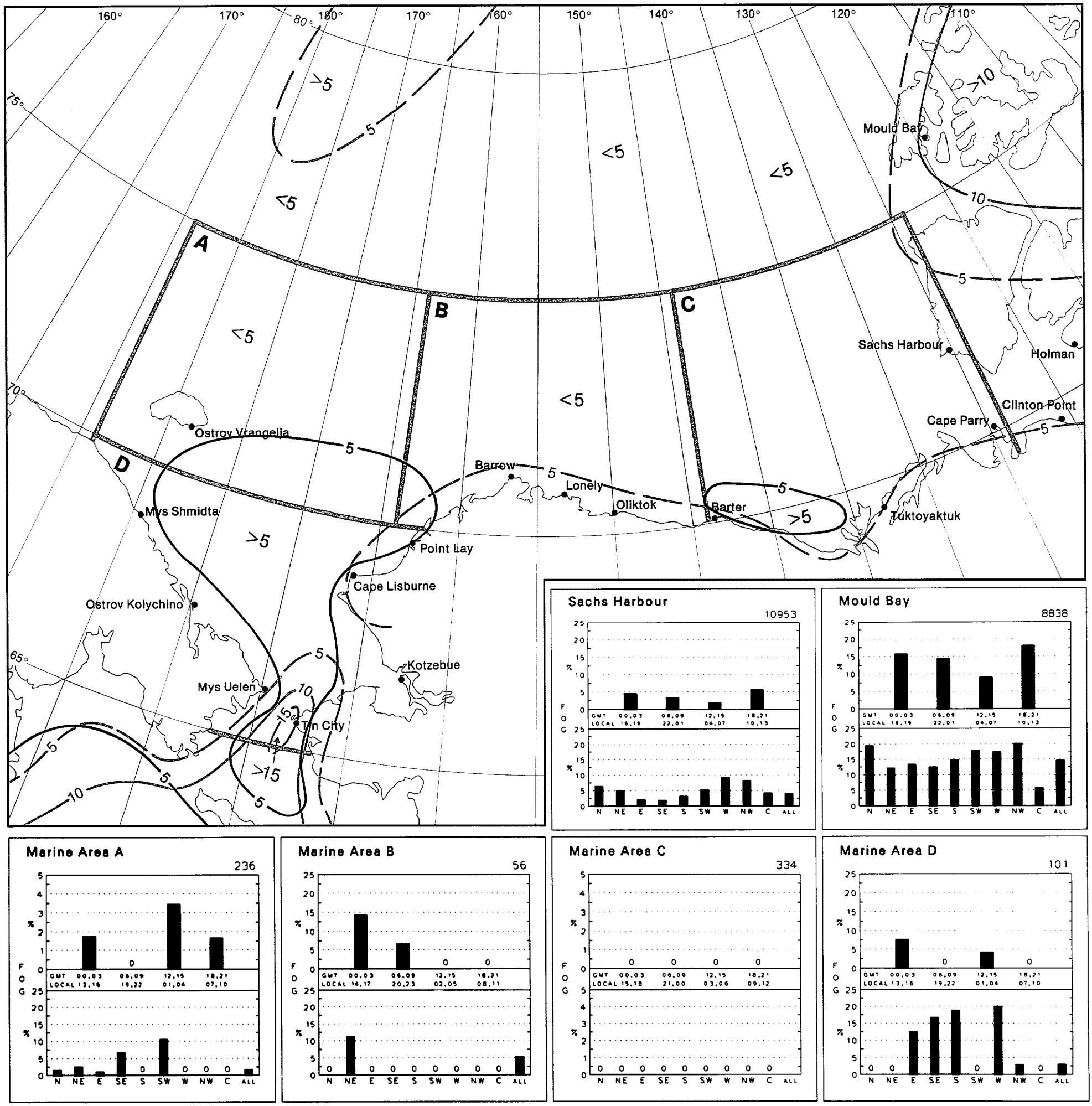
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


160°
170°
180°
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160°
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75°
70°
65°
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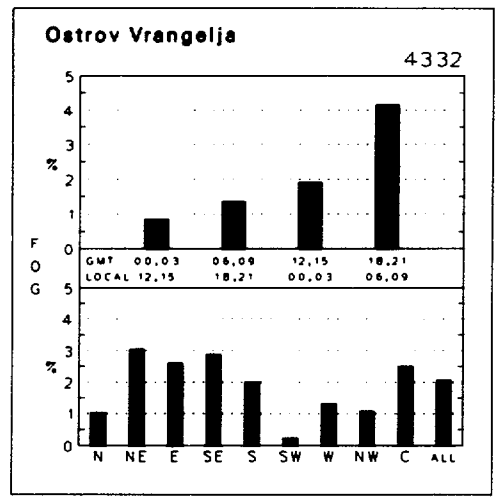
10
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
>15
15
Sachs Harbour
10953
Mould Bay
8838
Marine Area A
236
Marine Area B
56
Marine Area C
334
Marine Area D
101
FOG %
GMT
LOCAL
N NE E SE S SW W NW C ALL


Ostrov Vrangelja
4332
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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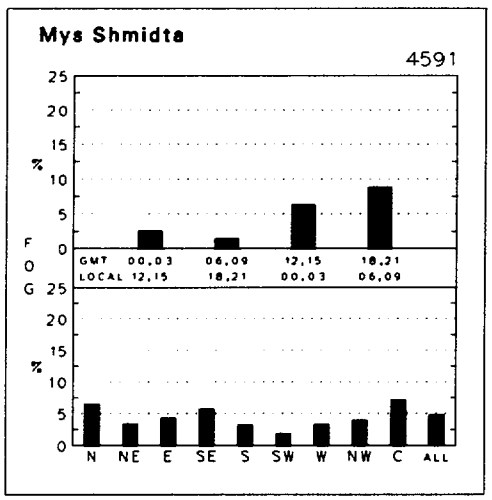
Mys Shmidta
4591
FOG %
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LOCAL 12,15 18,21 00,03 06,09
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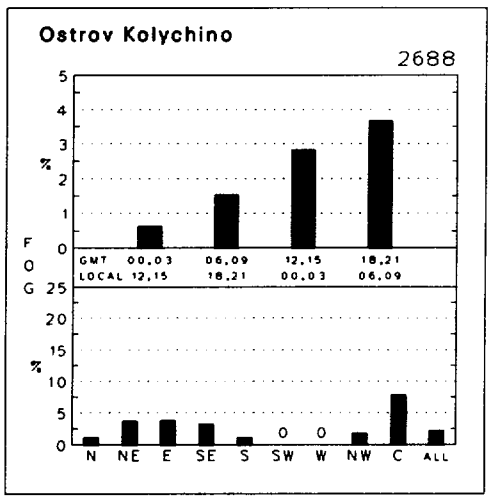
Ostrov Kolychino
2688
FOG %
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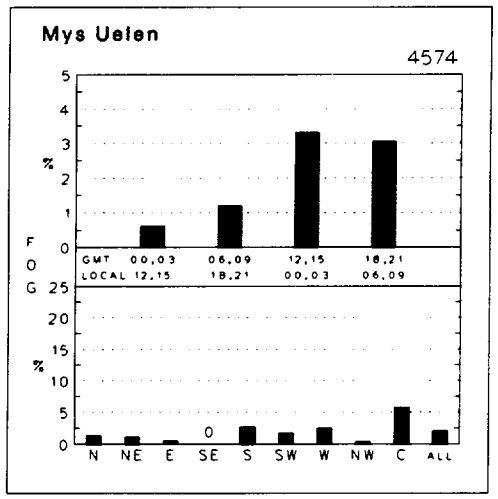
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Uelen
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FOG %
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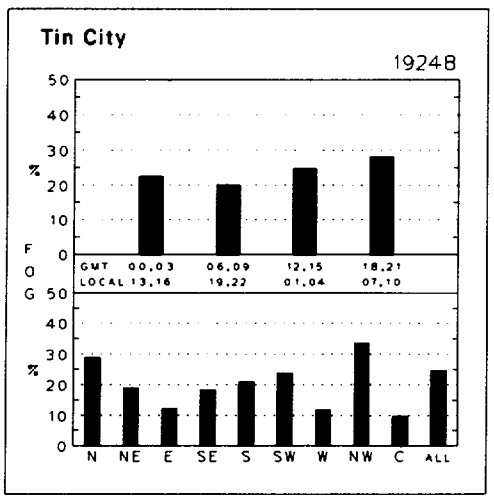
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Tin City
19248
FOG %
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LOCAL 13,16 19,22 01,04 07,10
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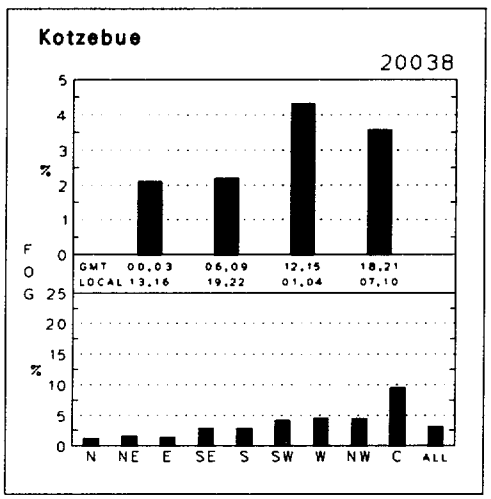
Kotzebue
20038
FOG %
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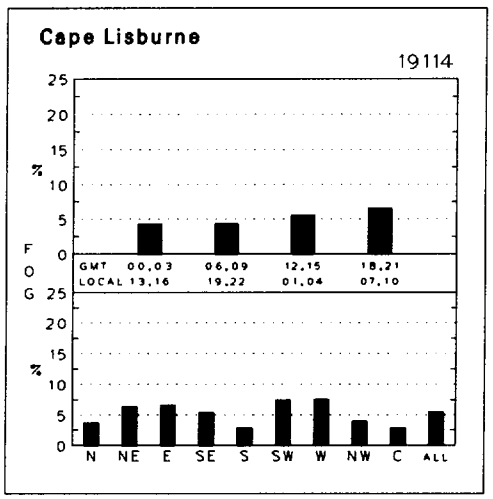
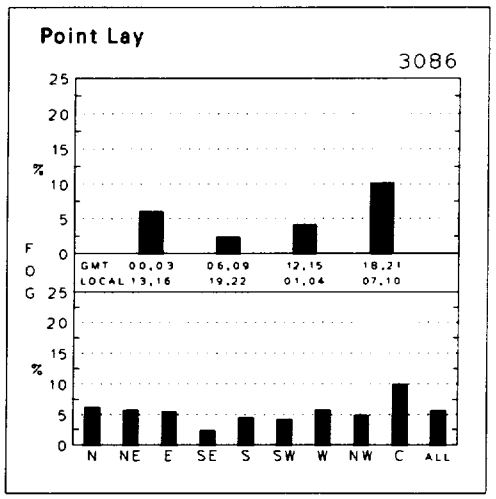
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Cape Lisburne
19114
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Point Lay
3086
FOG %
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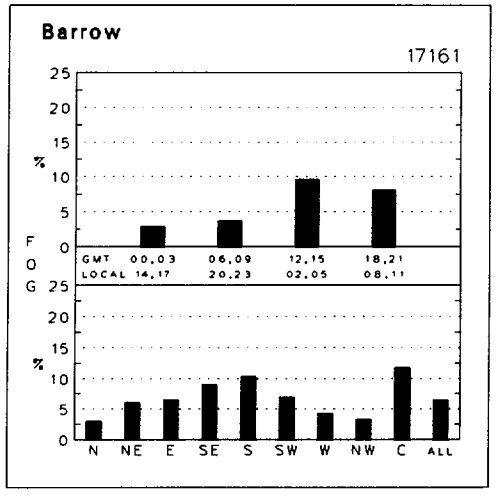
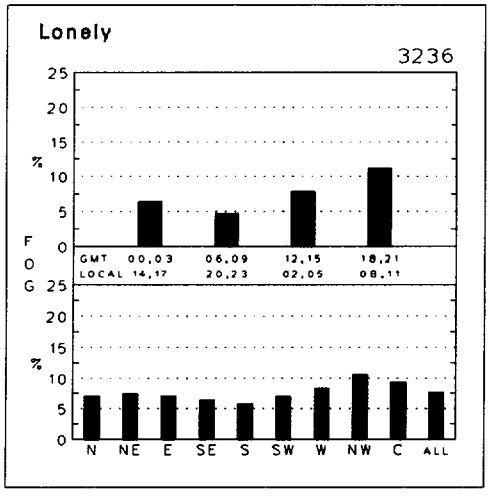
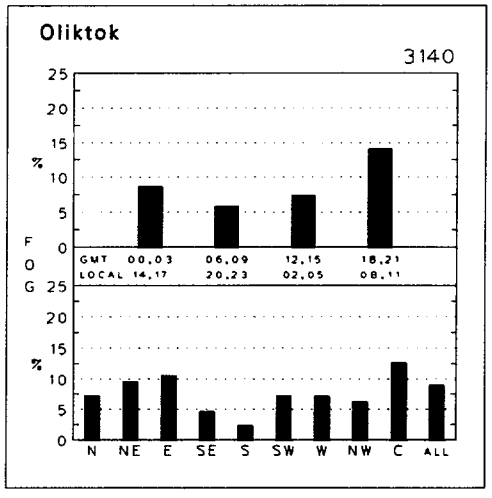
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Barrow
17161
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Lonely
3236
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
3140
FOG %
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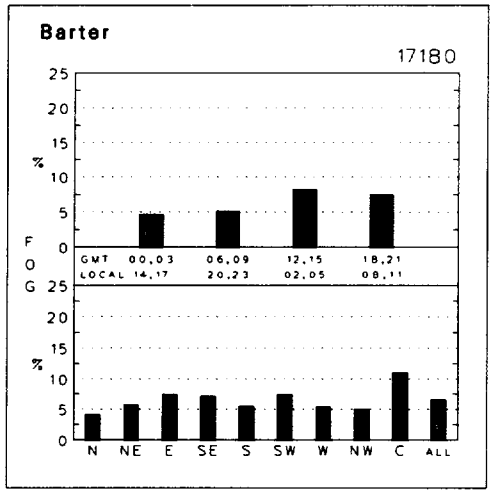
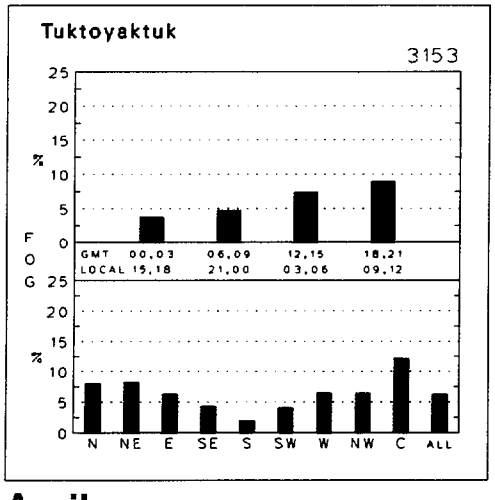
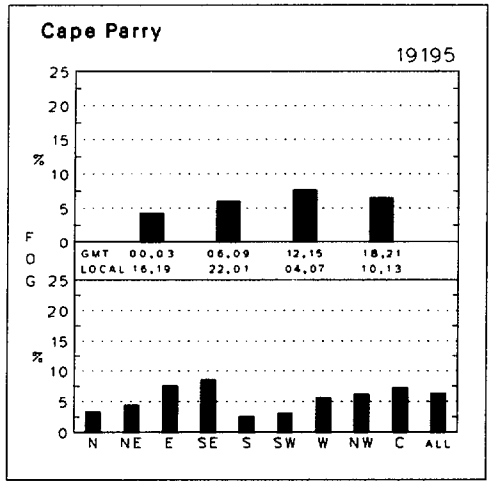
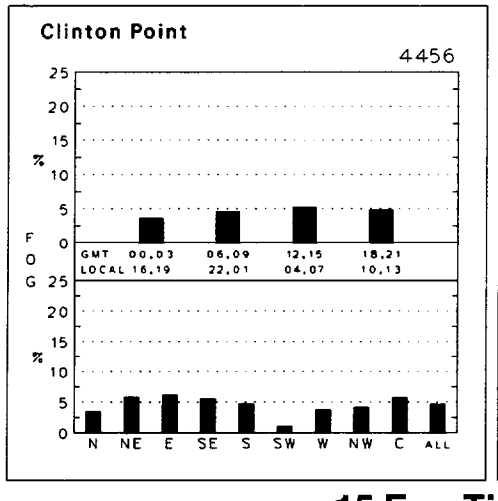
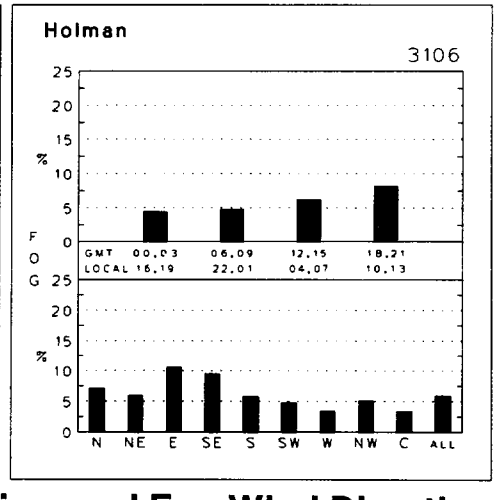
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Barter
17180
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Tuktoyaktuk
3153
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL


Cape Parry
19195
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4456
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Holman
3106
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
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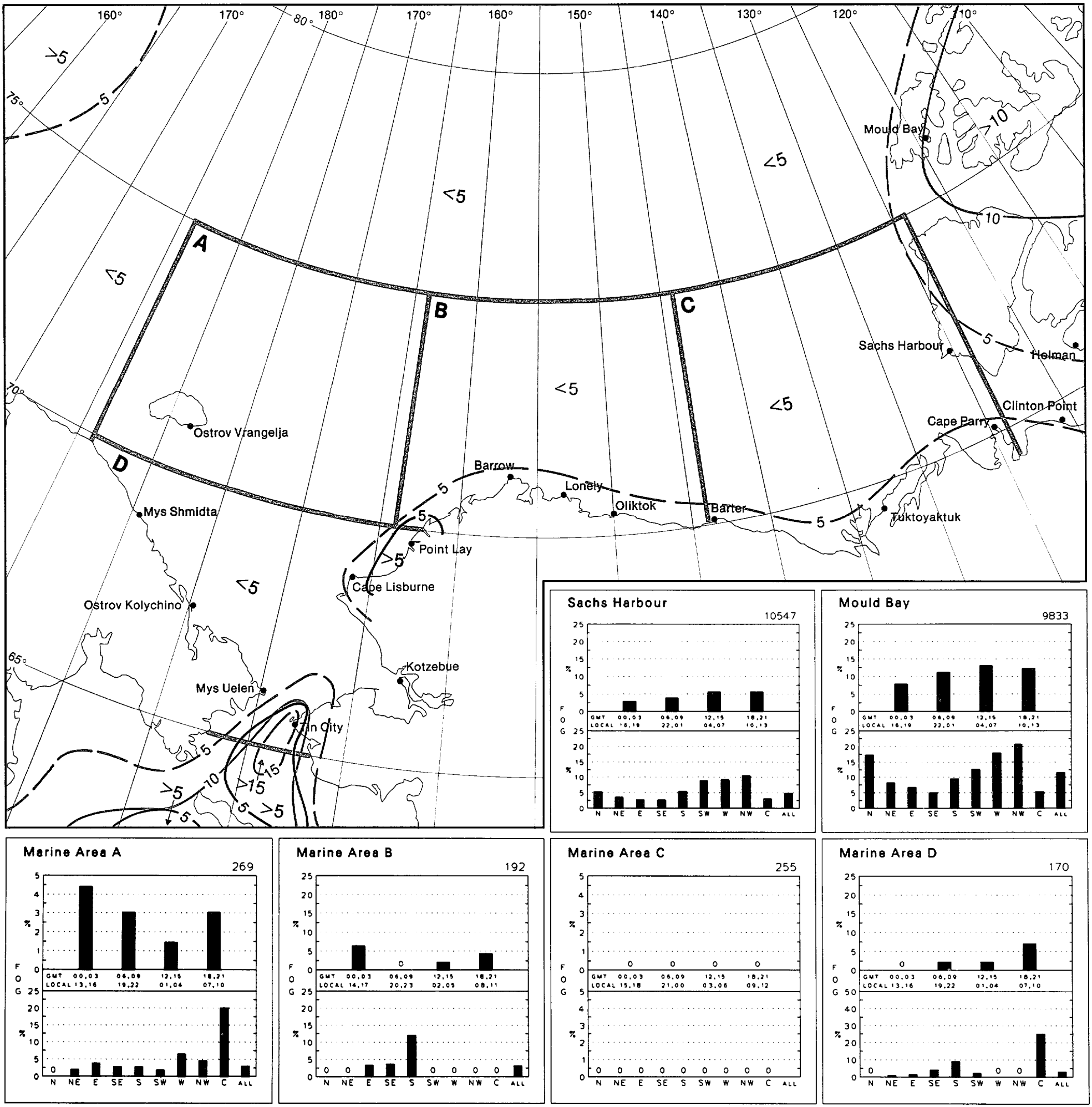
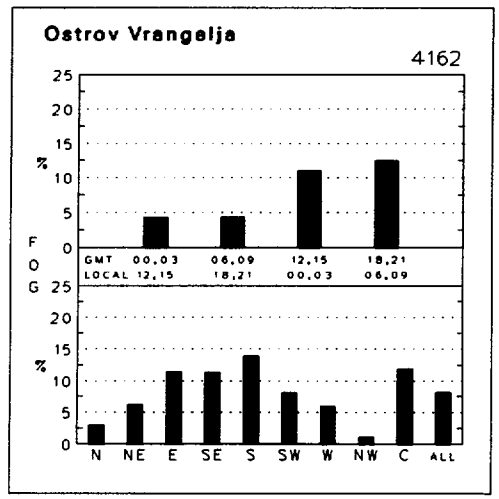
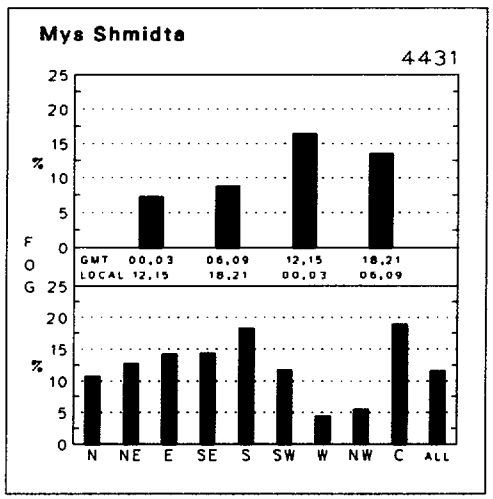
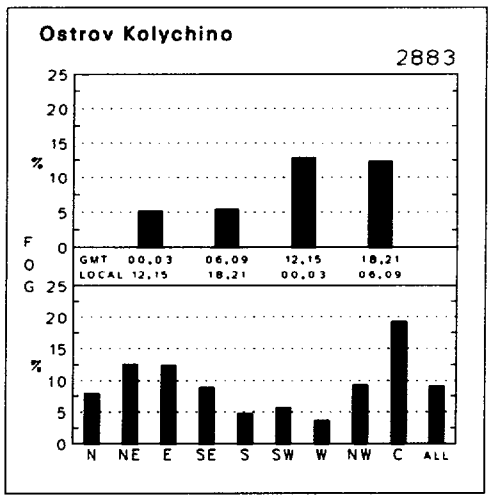
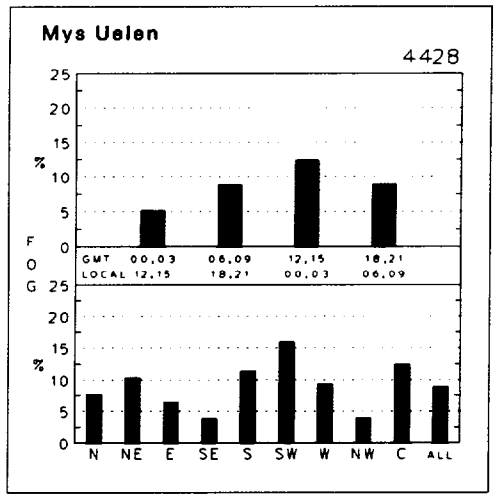
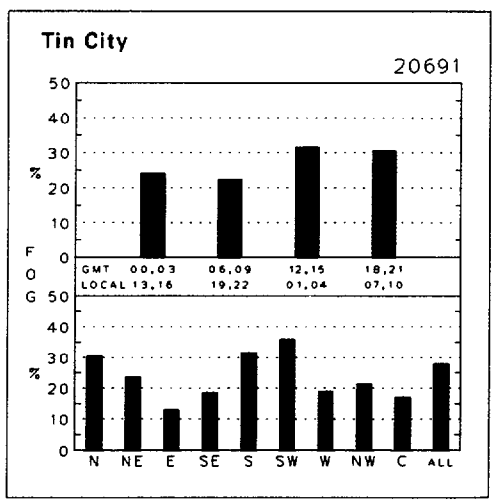

160°
170°
80°
180°
170°
160°
150°
140°
130°
120°
110°
75°
70°
65°
A
B
C
D
<5
5
>5
10
>10
15
>15
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10547
Mould Bay
9833
Marine Area A
269
Marine Area B
192
Marine Area C
255
Marine Area D
170
FOG
%
GMT
LOCAL
N NE E SE S SW W NW C ALL

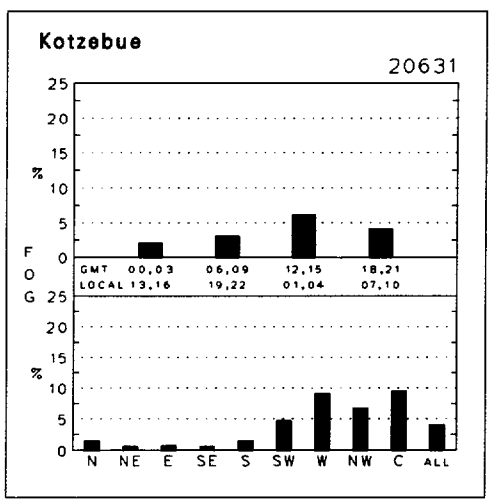

Ostrov Vrangelja
4162
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

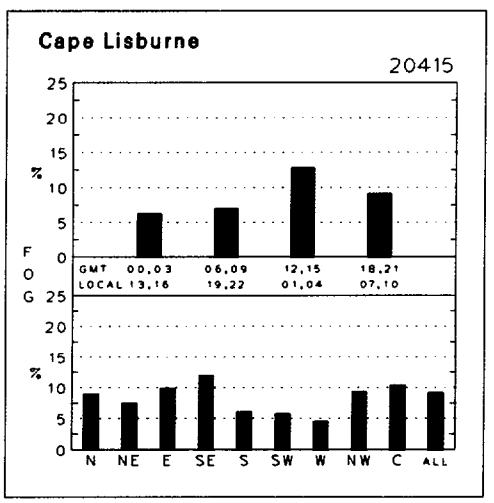

Mys Shmidta
4431
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

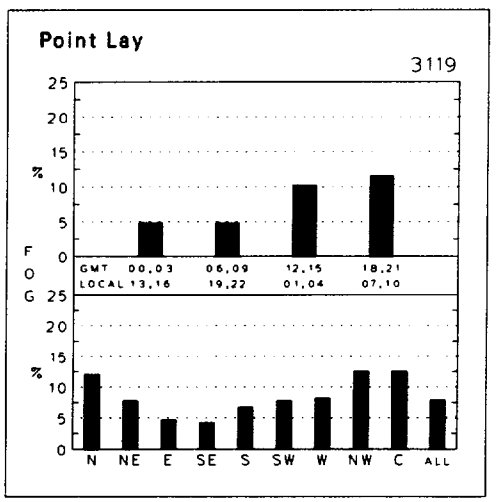

Ostrov Kolychino
2883
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

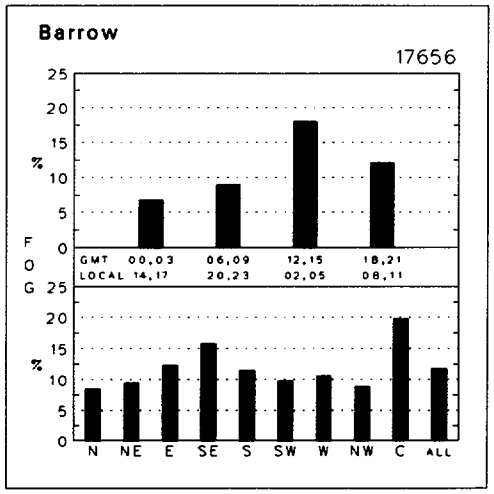

Mys Uelen
4428
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

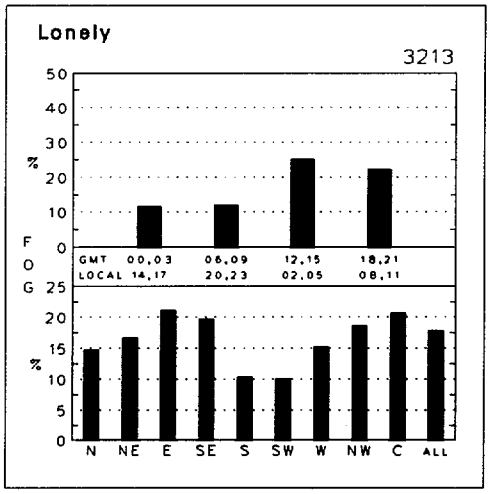

Tin City
20691
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

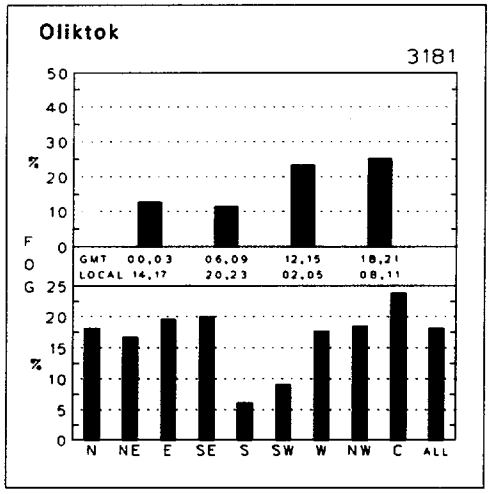

Kotzebue
20631
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

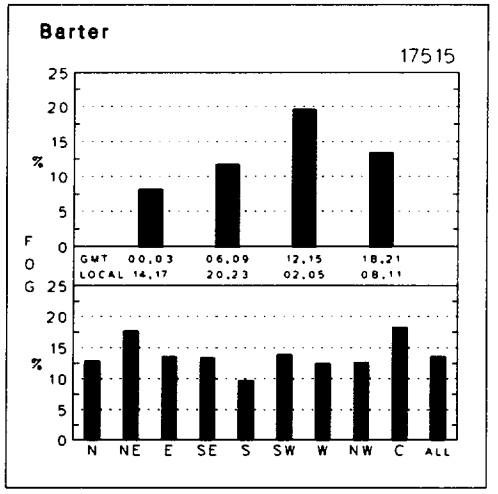

Cape Lisburne
20415
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

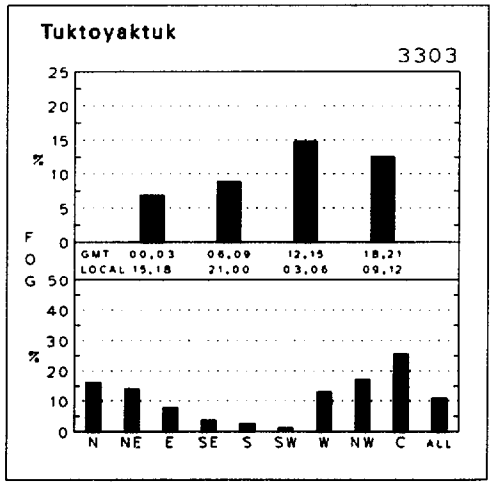

Point Lay
3119
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

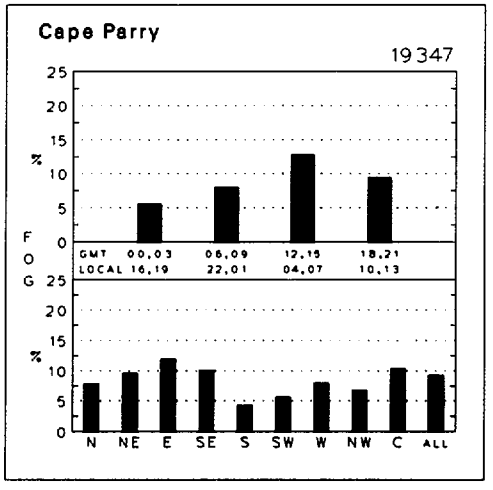

Barrow
17656
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

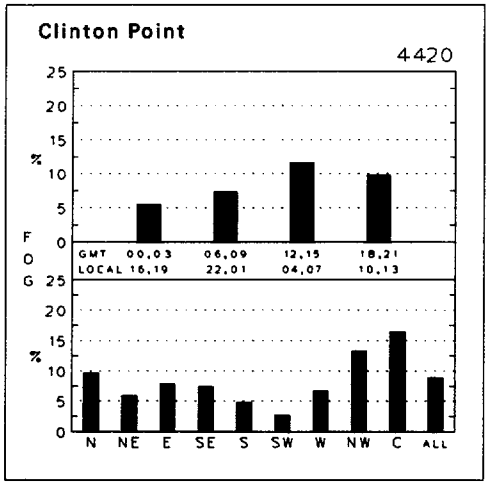

Lonely
3213
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

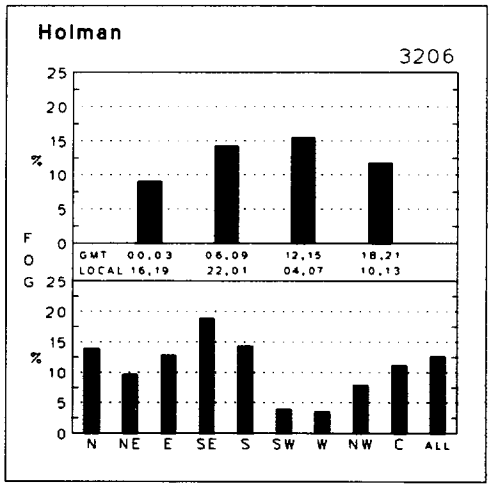

Oliktok
3181
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

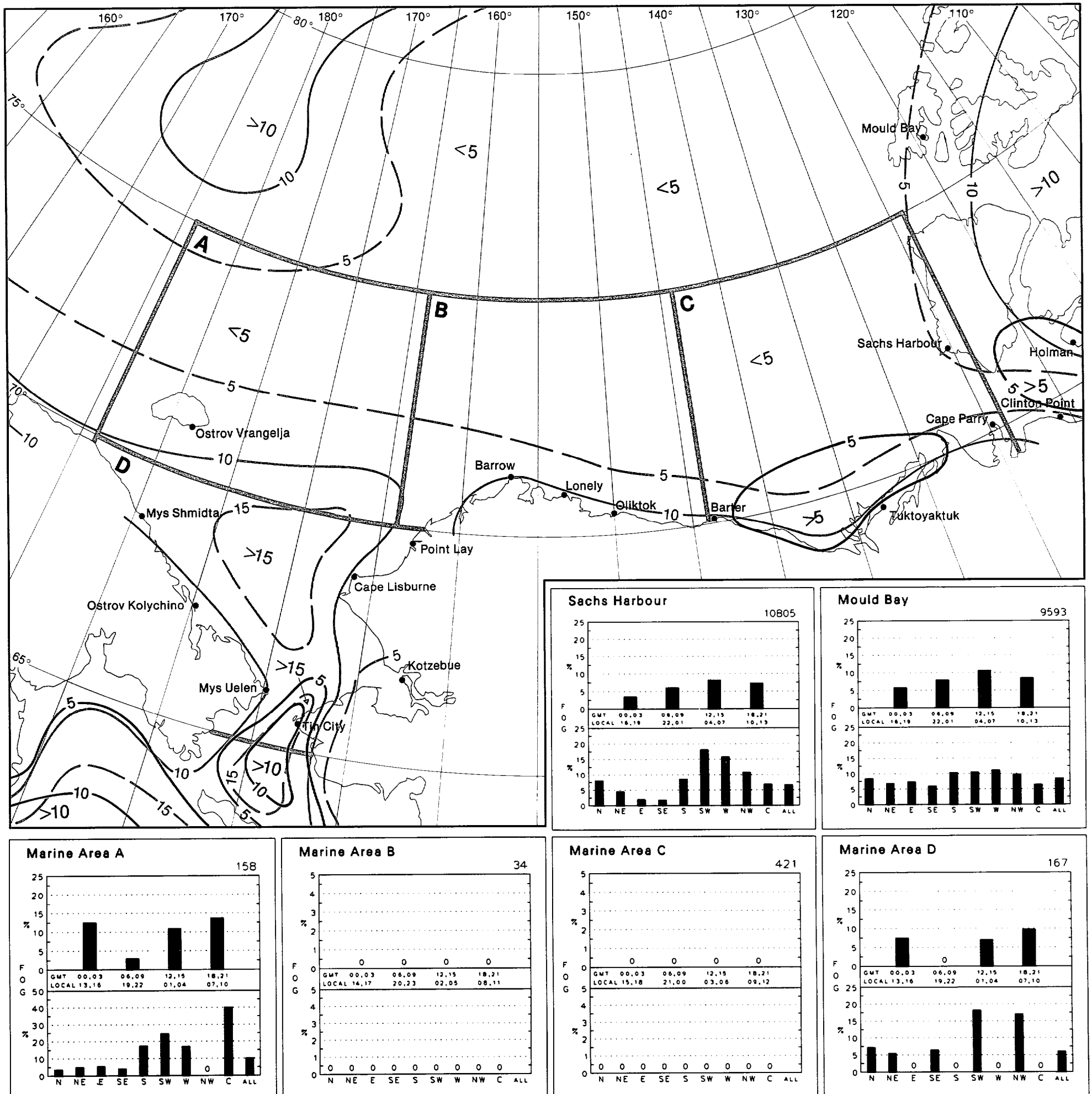

Barter
17515
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

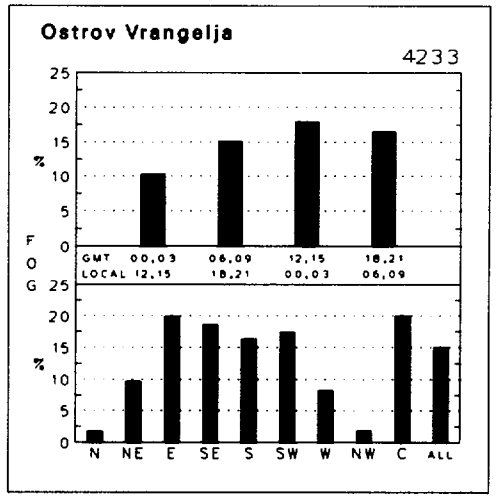

Tuktoyaktuk
3303
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL

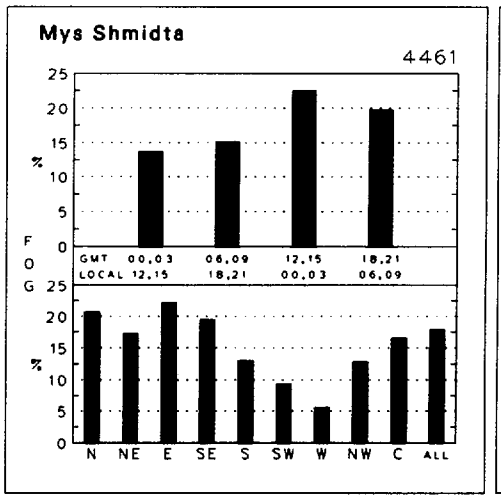

Cape Parry
19347
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

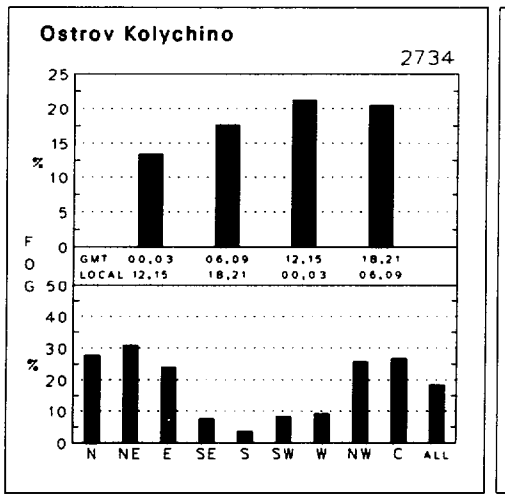

Clinton Point
4420
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

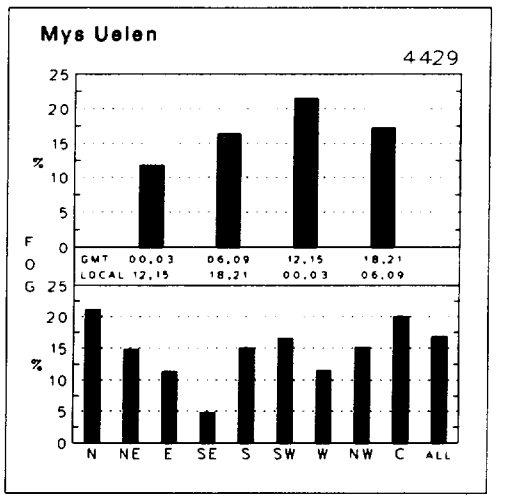

Holman
3206
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

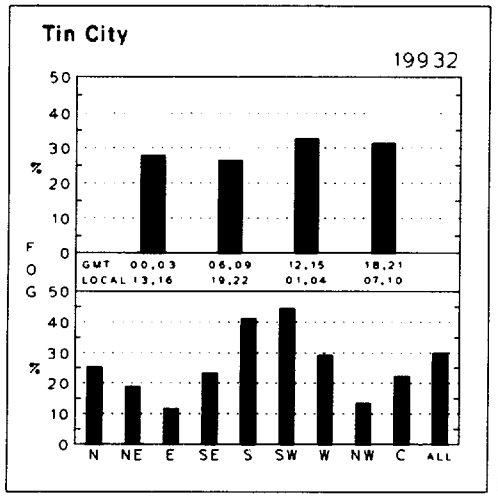

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10805
Mould Bay
9593
Marine Area A
158
Marine Area B
34
Marine Area C
421
Marine Area D
167
FOG %
GMT 00,03 06,09 12,15 18,21
N NE E SE S SW W NW C ALL

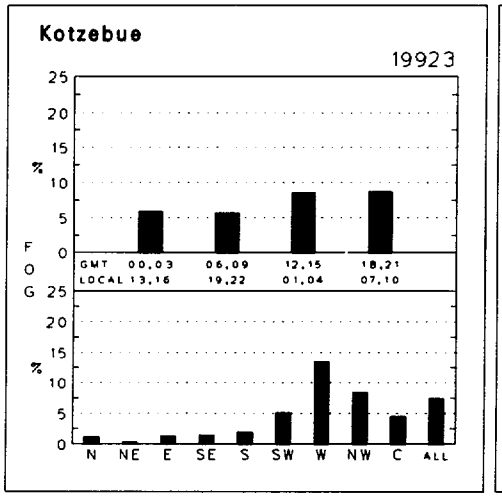

Ostrov Vrangelja
4233
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

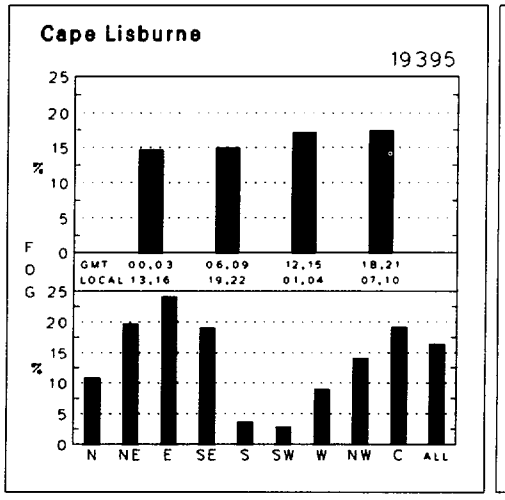

Mys Shmidta
4461
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

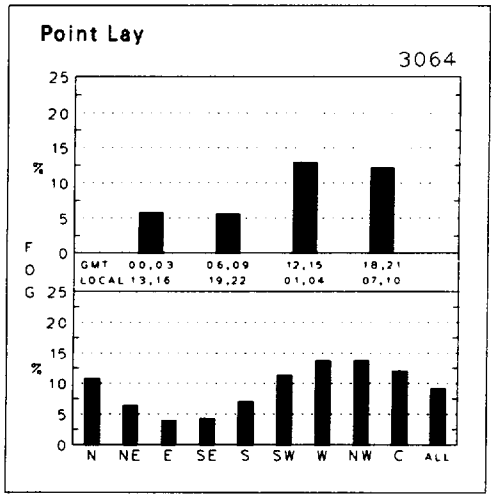

Ostrov Kolychino
2734
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

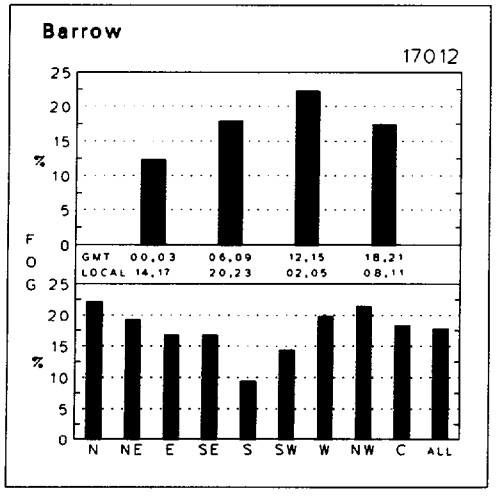

Mys Uelen
4429
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

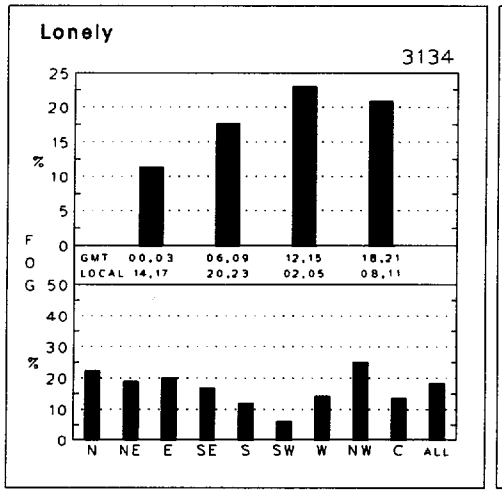

Tin City
19932
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

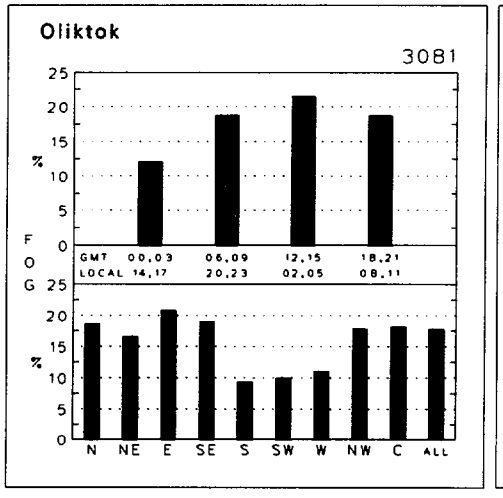

Kotzebue
19923
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

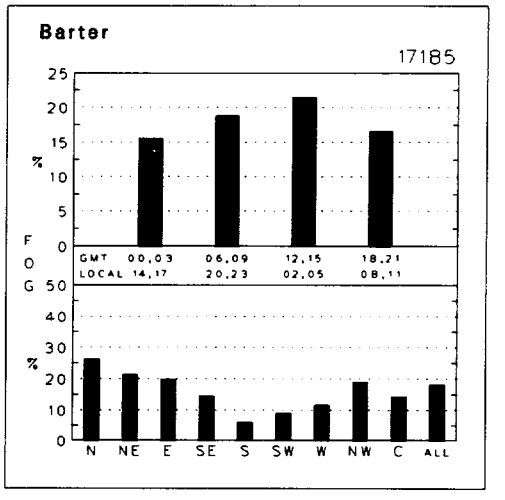

Cape Lisburne
19395
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

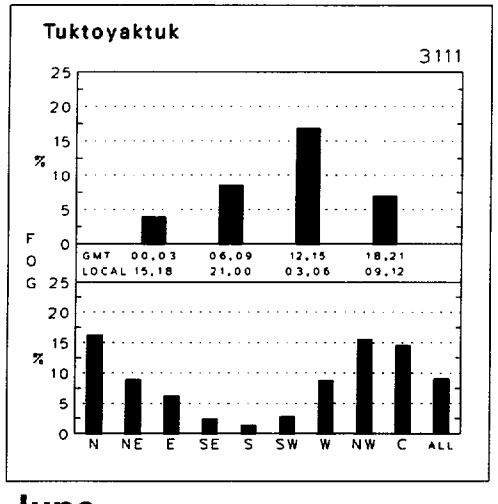

Point Lay
3064
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

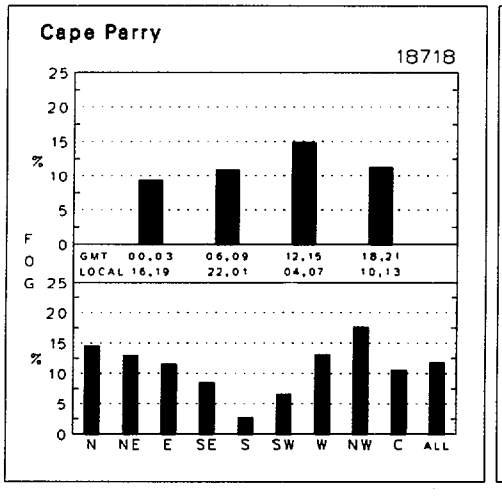

Barrow
17012
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

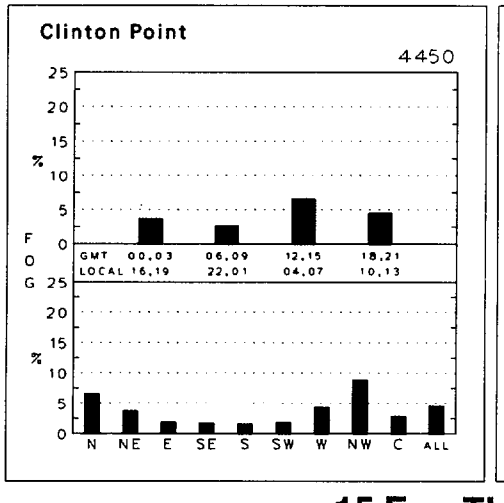

Lonely
3134
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

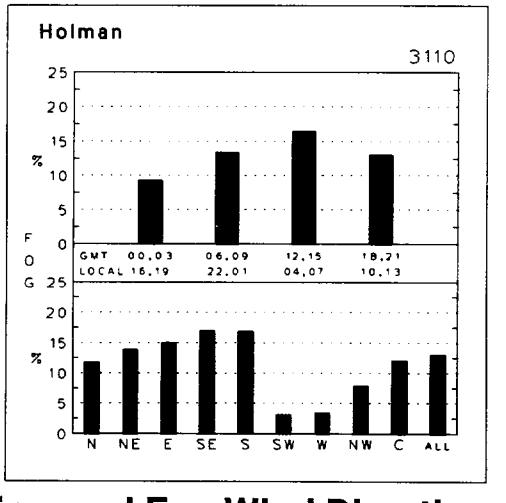

Oliktok
3081
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

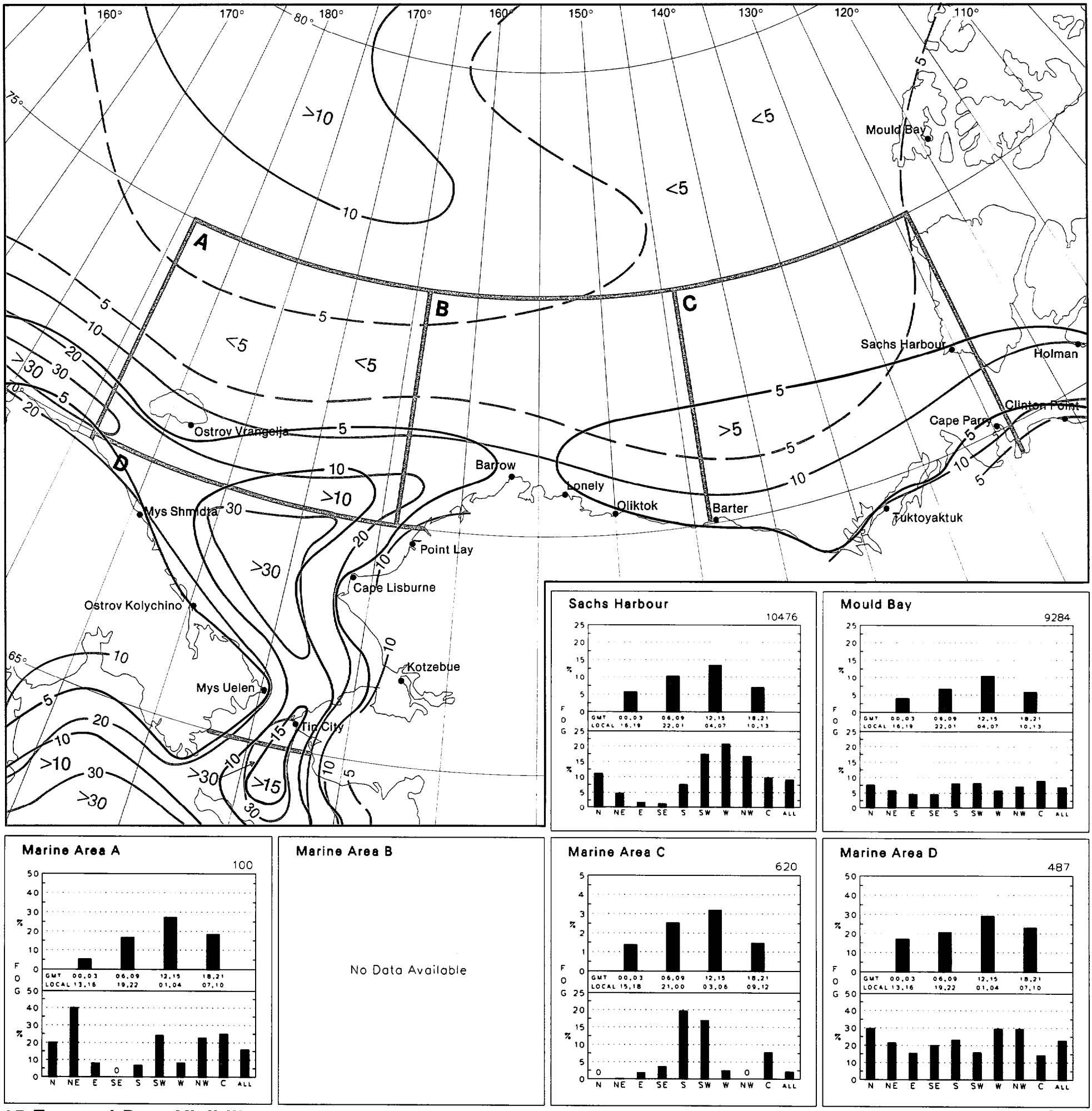

Barter
17185
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

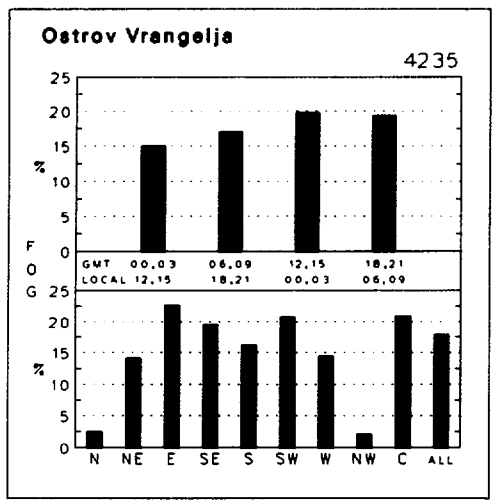

Tuktoyaktuk
3111
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL

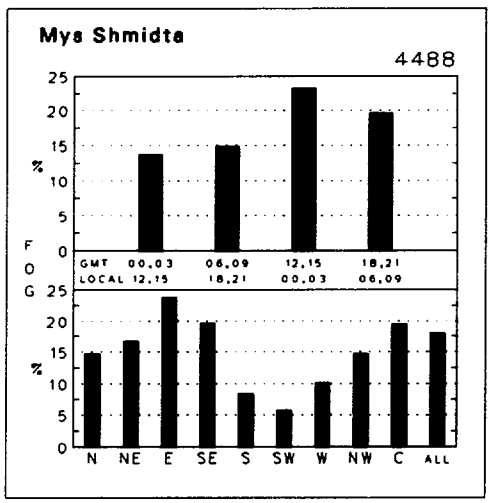

Cape Parry
18718
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

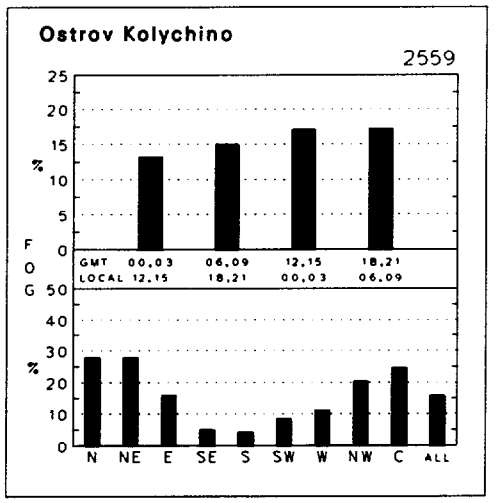

Clinton Point
4450
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

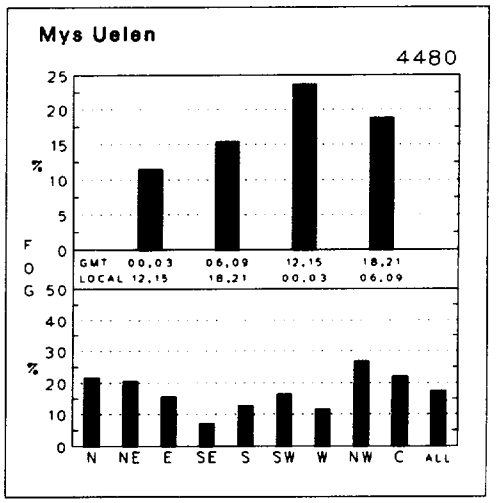

Holman
3110
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

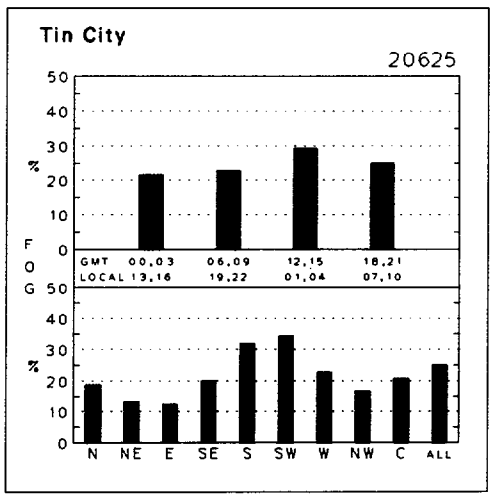

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10476
Mould Bay
9284
Marine Area A
100
Marine Area B
No Data Available
Marine Area C
620
Marine Area D
487
FOG
%
GMT
LOCAL
N NE E SE S SW W NW C ALL

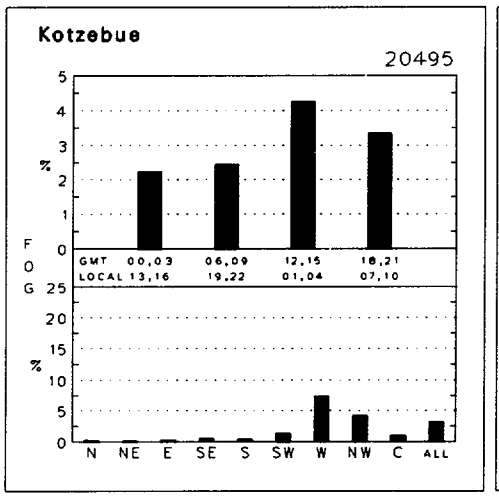

Ostrov Vrangelja
4235
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

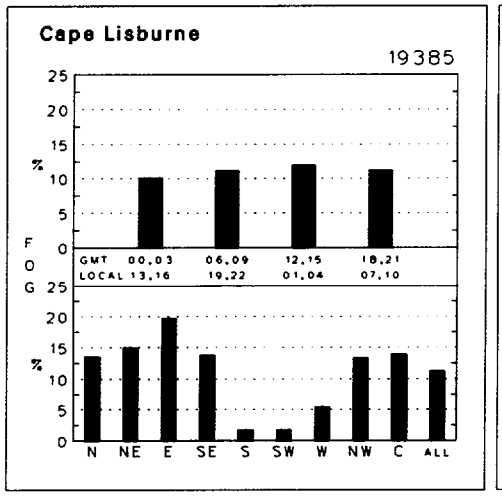

Mys Shmidta
4488
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

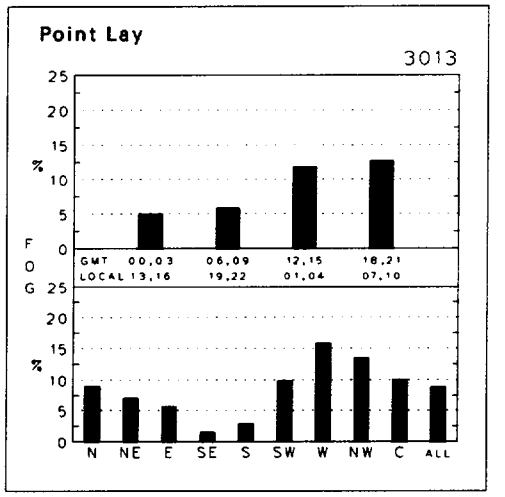

Ostrov Kolychino
2559
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

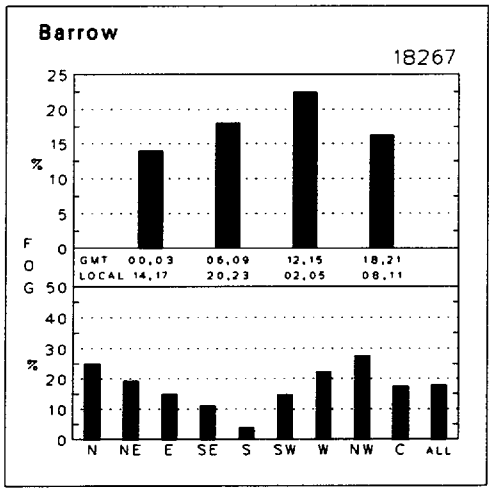

Mys Uelen
4480
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

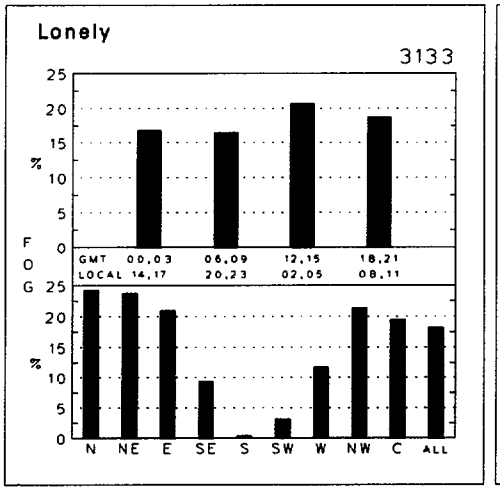

Tin City
20625
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

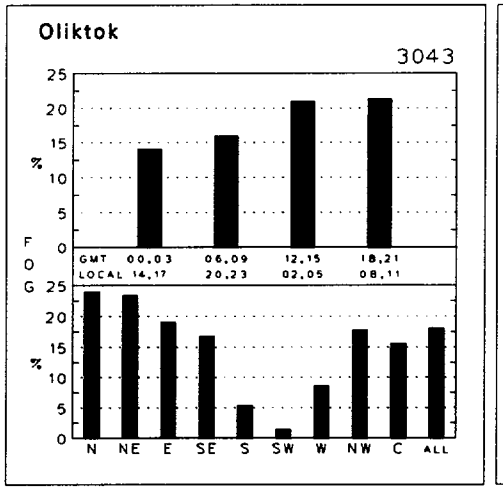

Kotzebue
20495
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

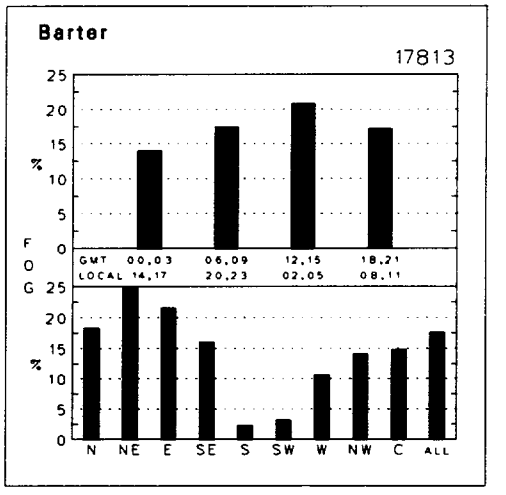

Cape Lisburne
19385
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

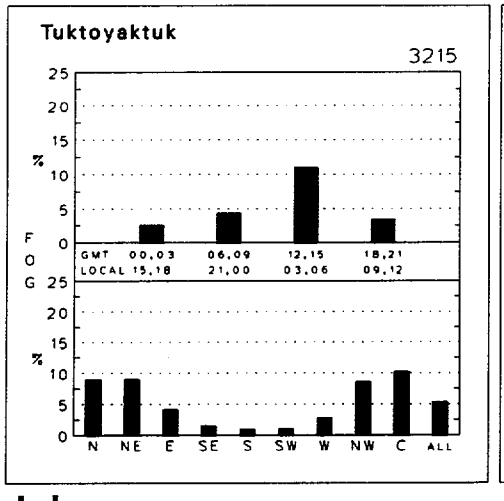

Point Lay
3013
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

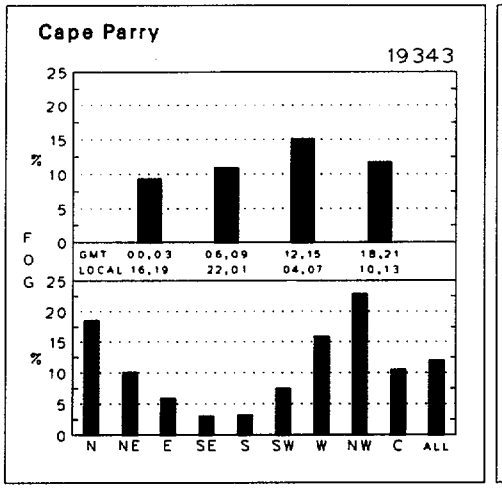

Barrow
18267
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

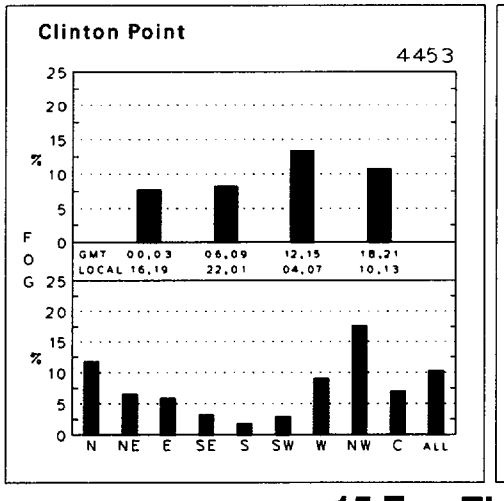

Lonely
3133
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

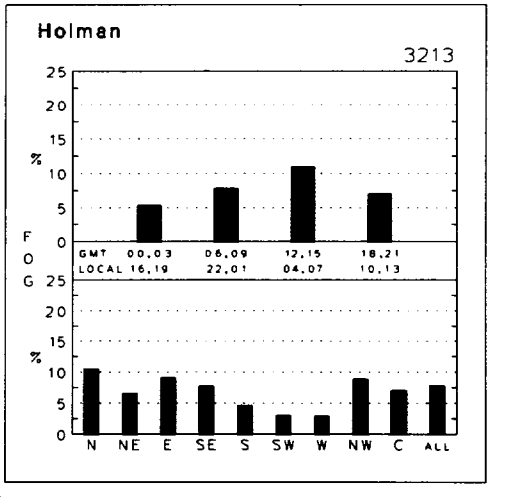

Oliktok
3043
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

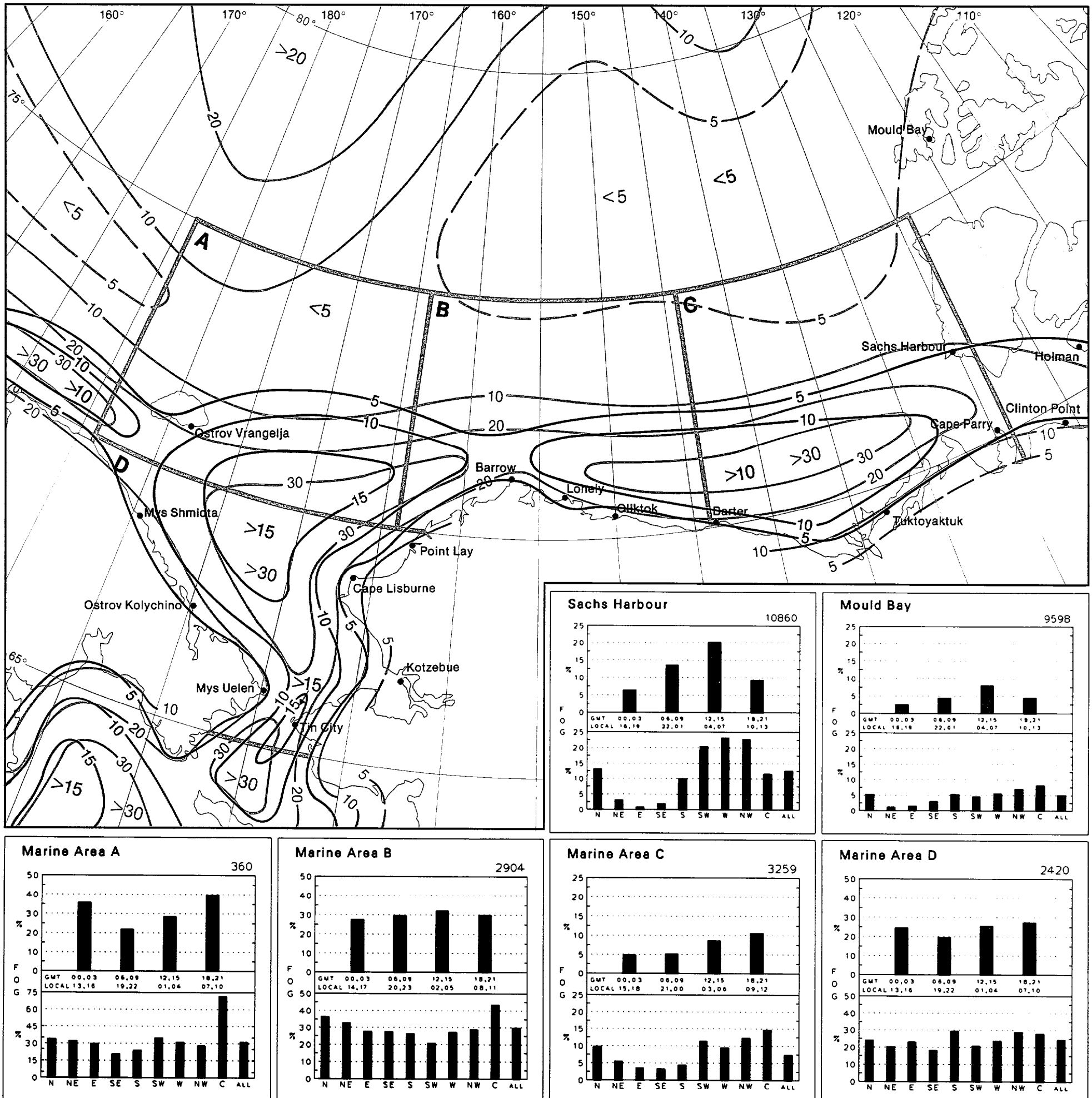

Barter
17813
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

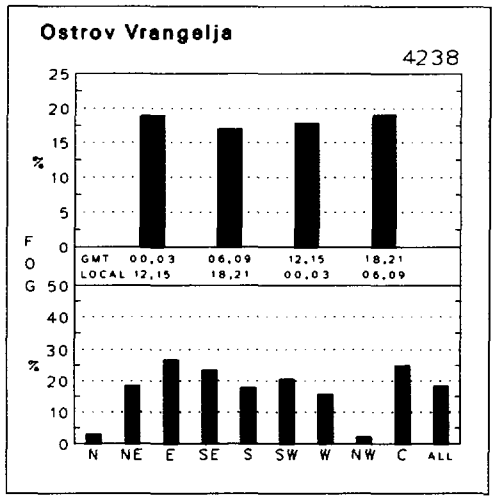

Tuktoyaktuk
3215
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL

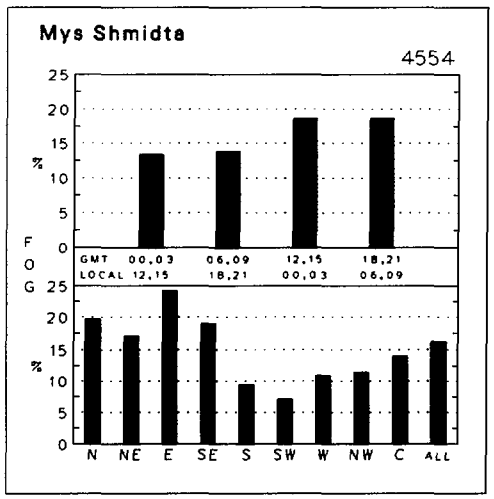

Cape Parry
19343
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

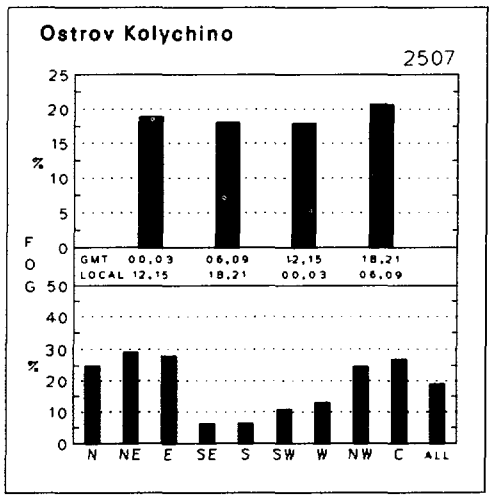

Clinton Point
4453
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

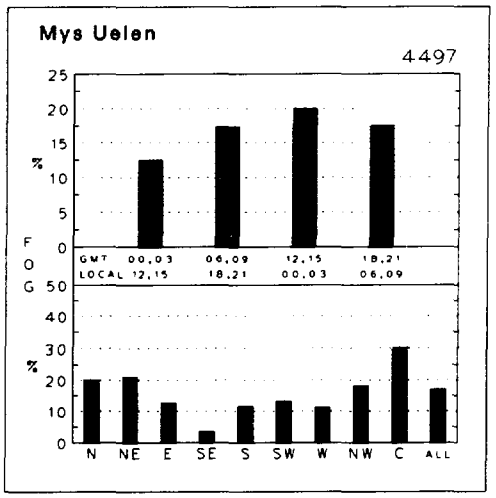

Holman
3213
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

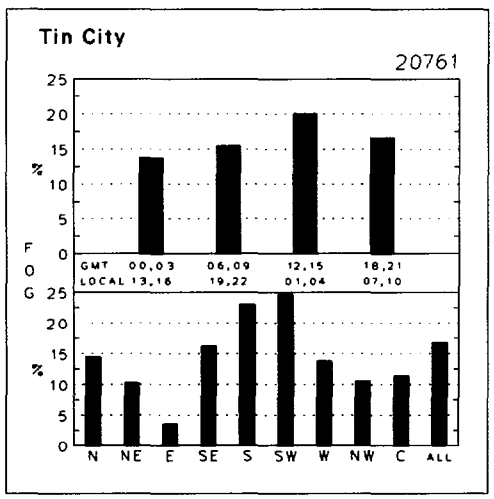

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10860
Mould Bay
9598
Marine Area A
360
Marine Area B
2904
Marine Area C
3259
Marine Area D
2420
FOG %
GMT
LOCAL
N NE E SE S SW W NW C ALL

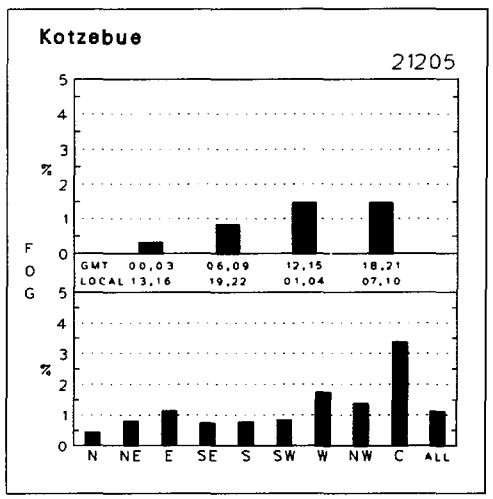

Ostrov Vrangelja
4238
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

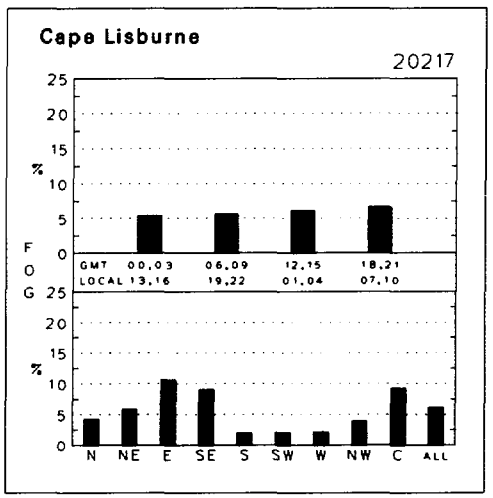

Mys Shmidta
4554
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

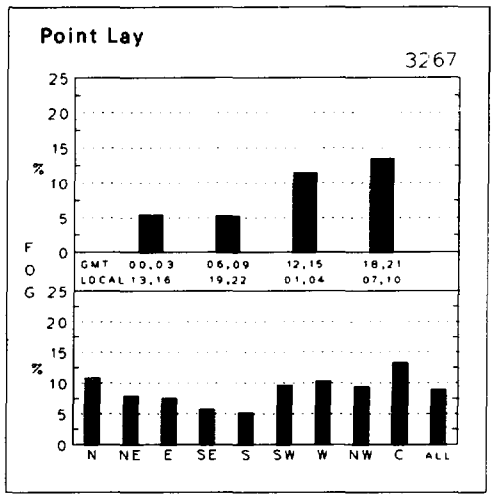

Ostrov Kolychino
2507
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

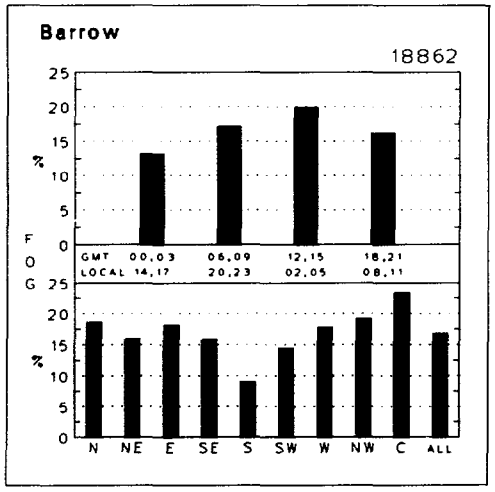

Mys Uelen
4497
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

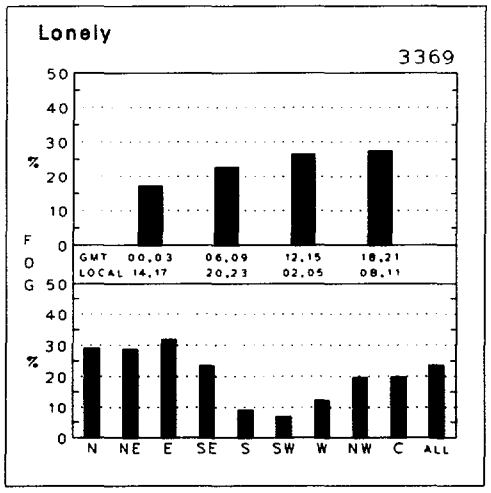

Tin City
20761
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

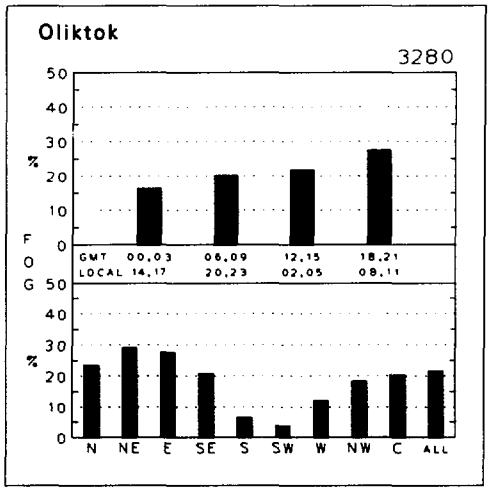

Kotzebue
21205
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

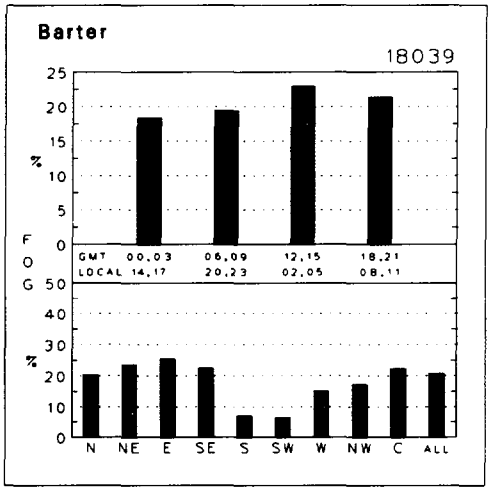

Cape Lisburne
20217
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

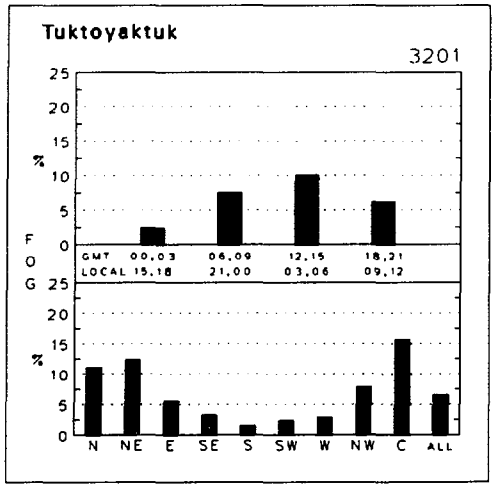

Point Lay
3267
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

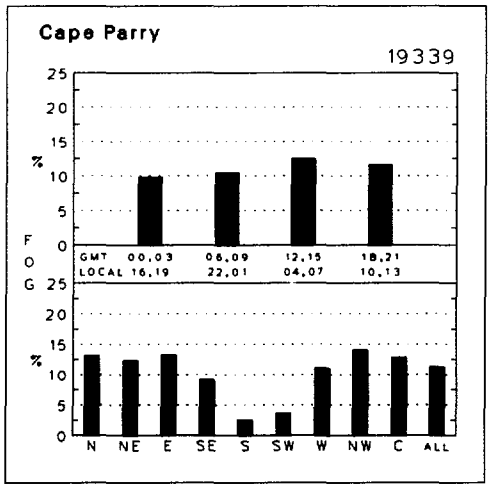

Barrow
18862
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

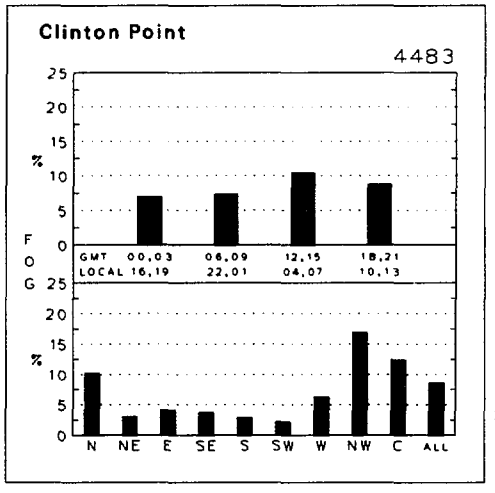

Lonely
3369
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

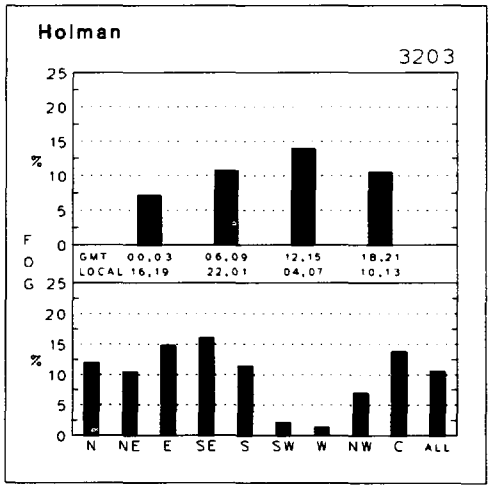

Oliktok
3280
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

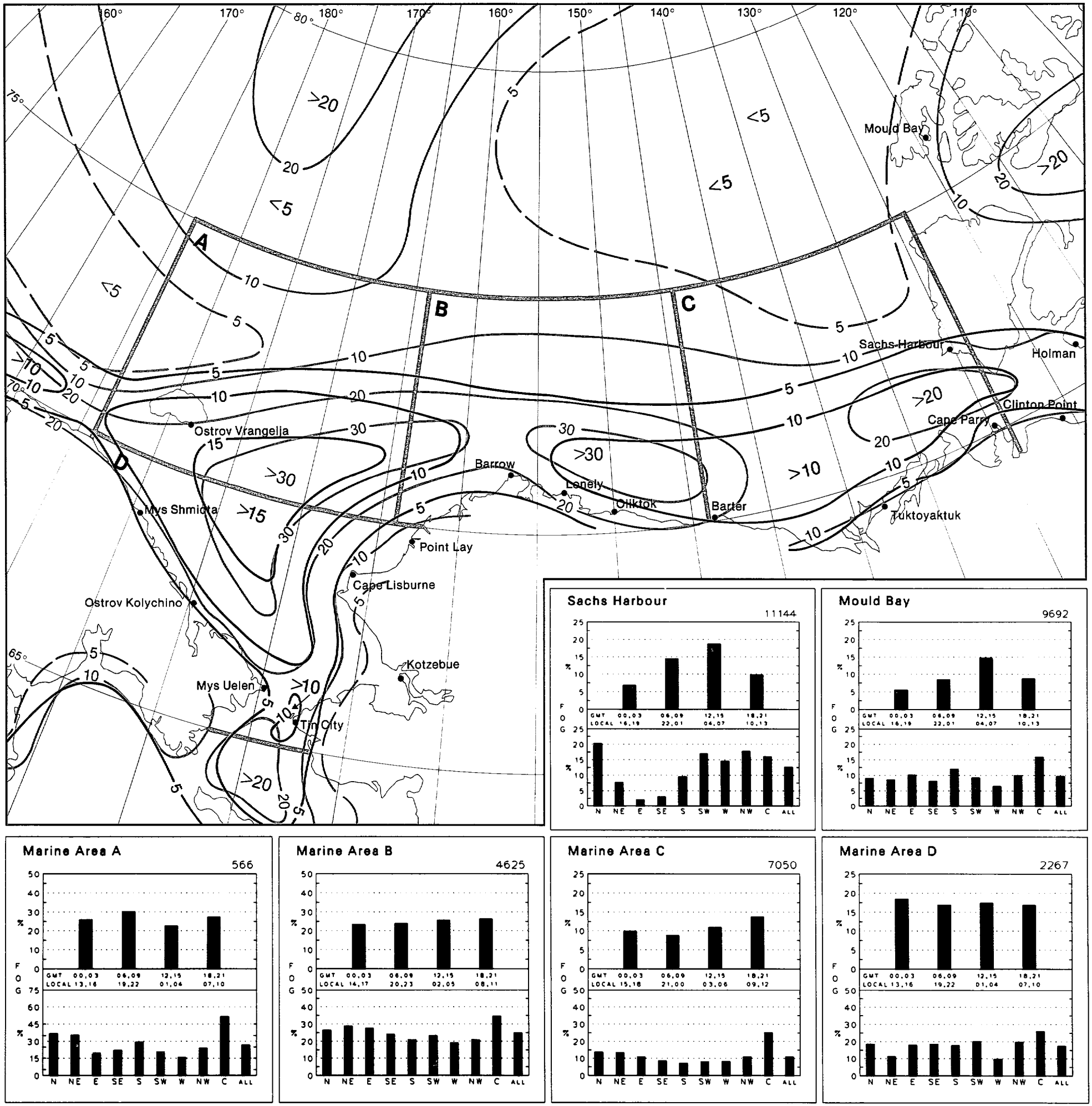

Barter
18039
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

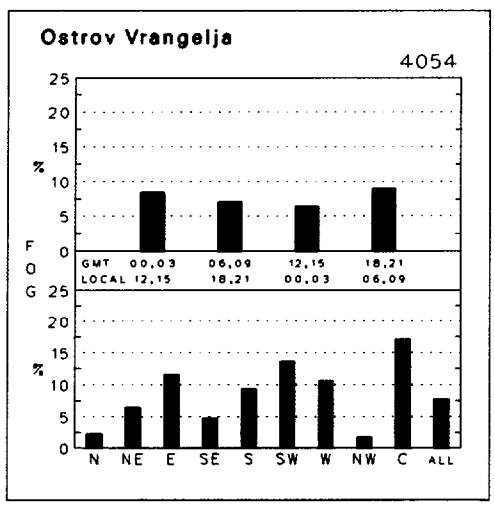

Tuktoyaktuk
3201
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL

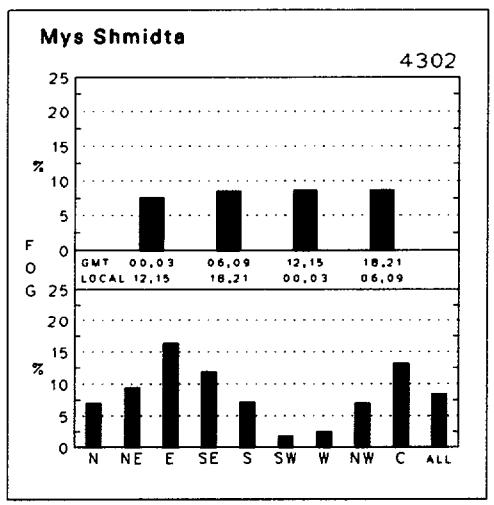

Cape Parry
19339
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

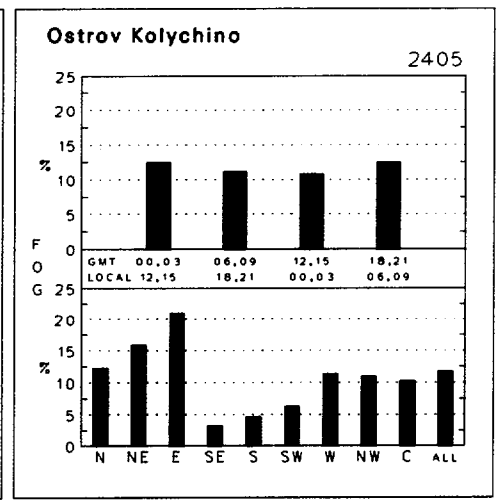

Clinton Point
4483
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

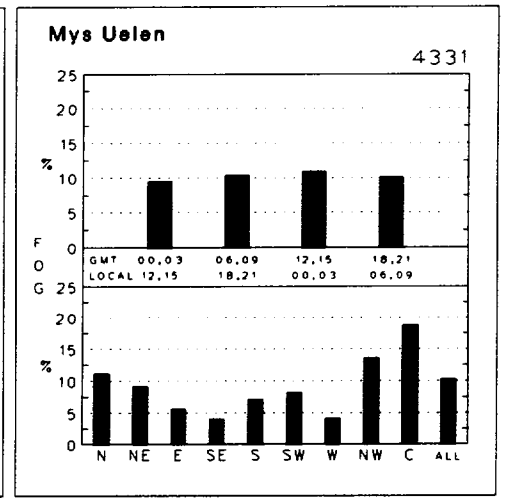

Holman
3203
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

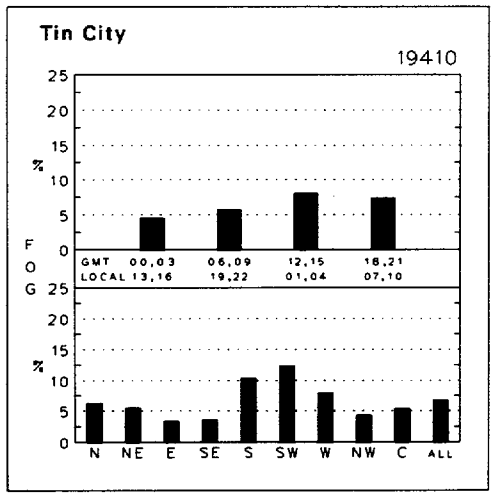

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
11144
Mould Bay
9692
Marine Area A
566
Marine Area B
4625
Marine Area C
7050
Marine Area D
2267
N NE E SE S SW W NW C ALL

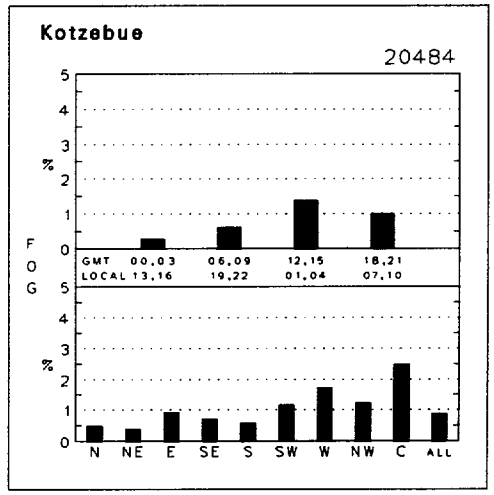

Ostrov Vrangelja
4054
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

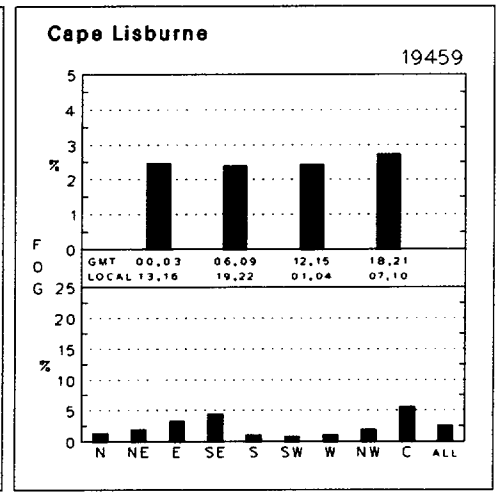

Mys Shmidta
4302
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

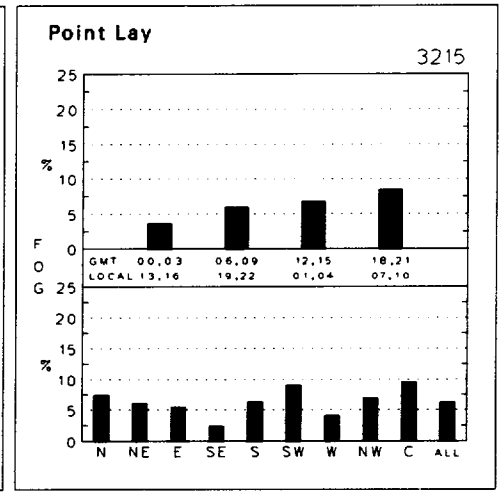

Ostrov Kolychino
2405
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Uelen
4331
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Tin City
19410
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Kotzebue
20484
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Cape Lisburne
19459
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Point Lay
3215
FOG %
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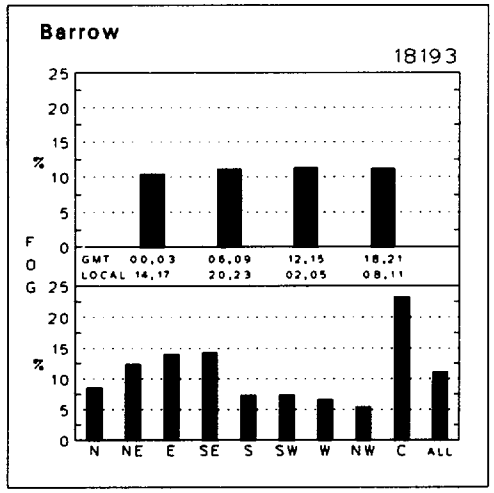
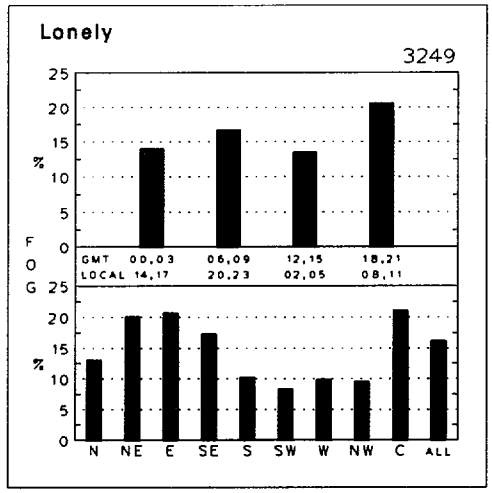
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Barrow
18193
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Lonely
3249
FOG %
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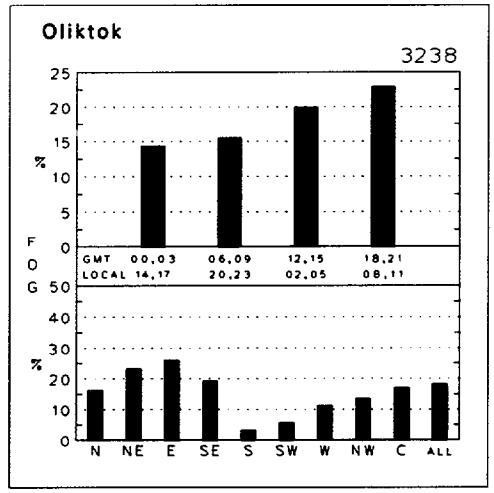
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
3238
FOG %
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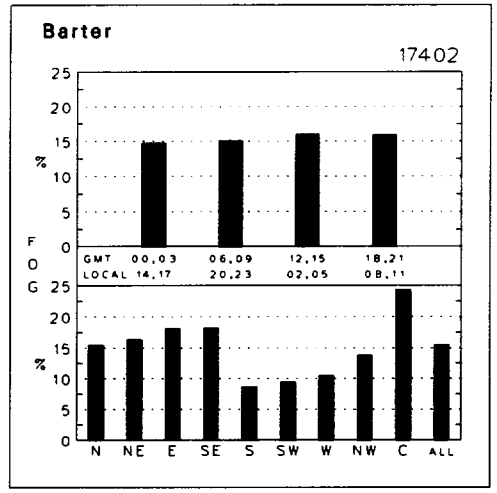
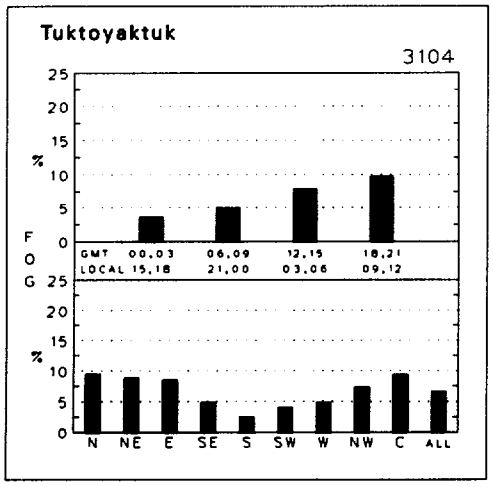
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Barter
17402
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Tuktoyaktuk
3104
FOG %
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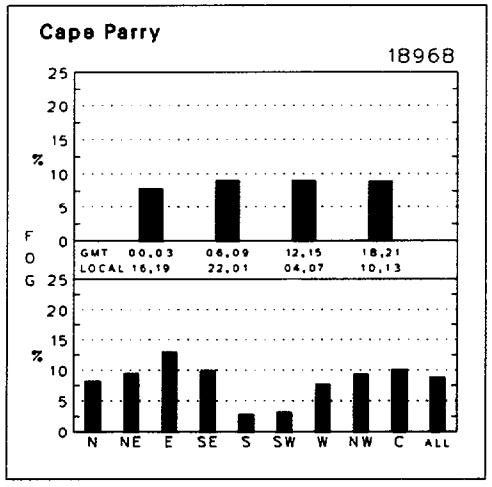
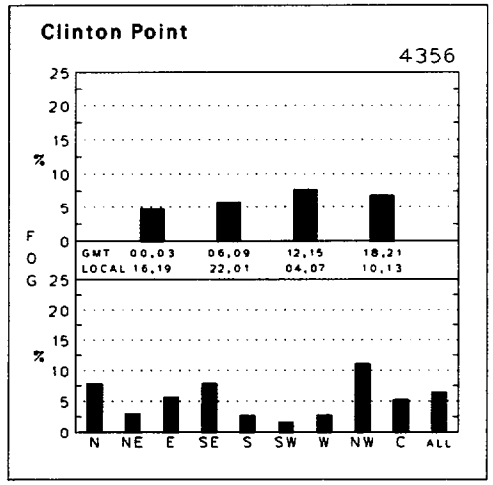
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL


Cape Parry
18968
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4356
FOG %
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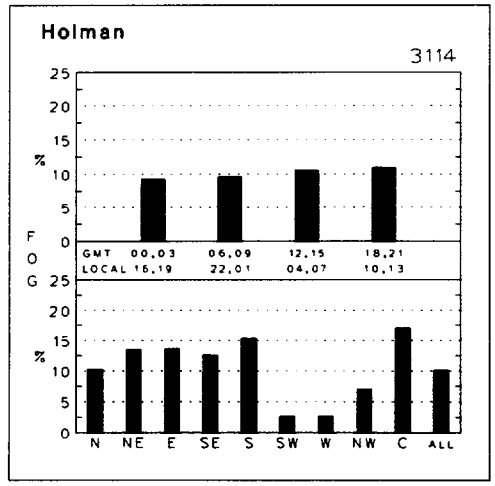
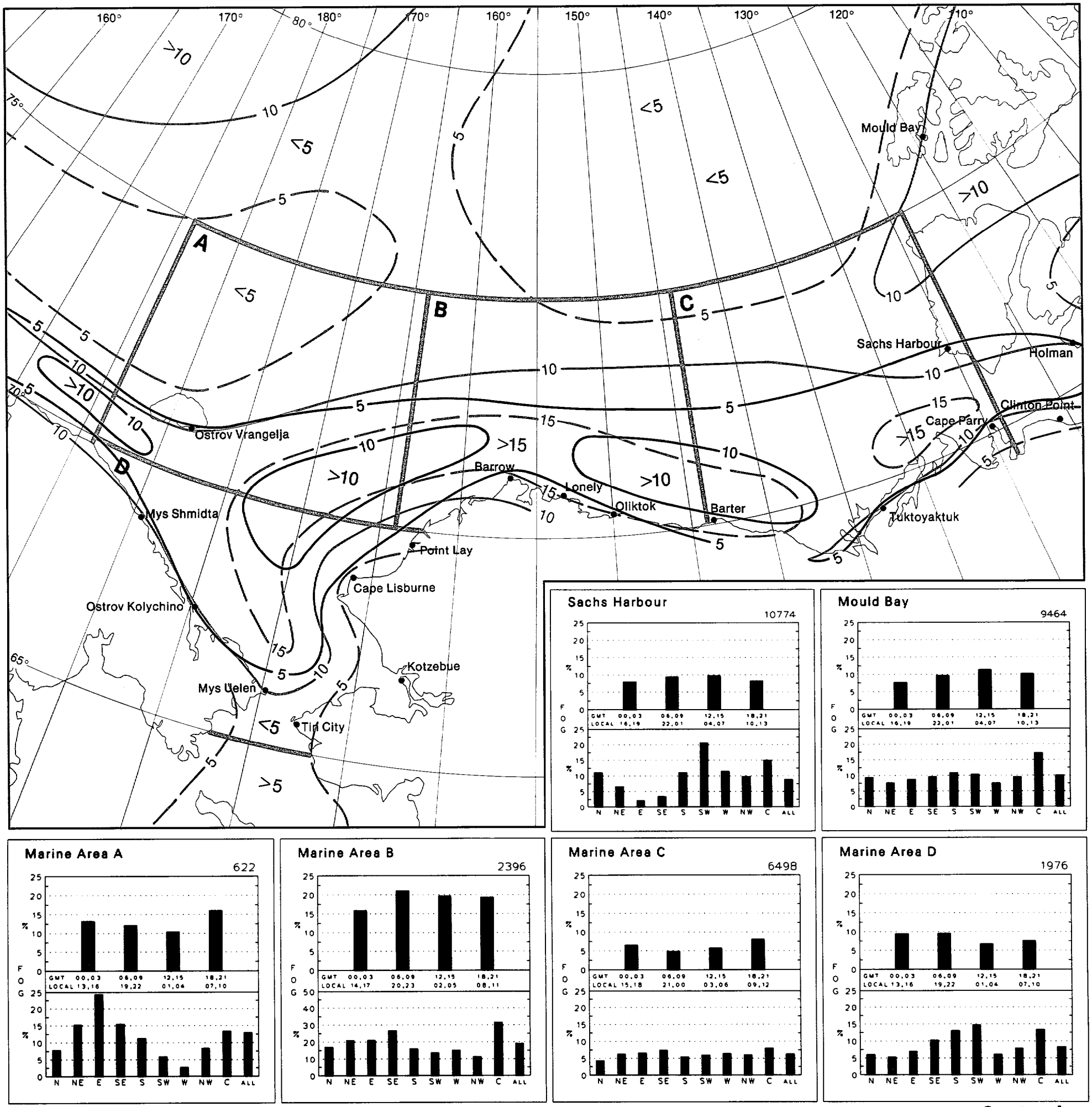
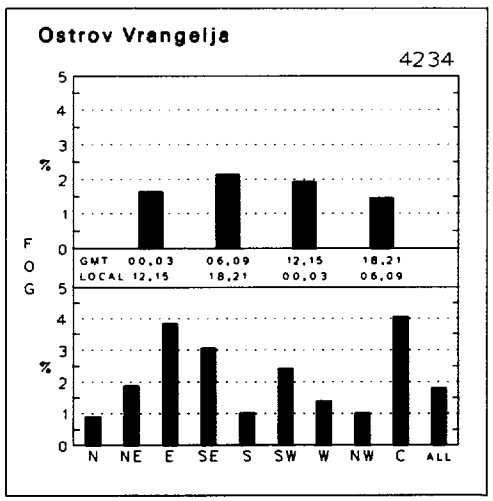
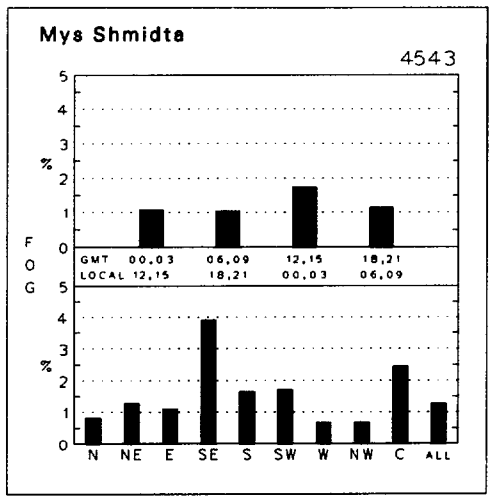
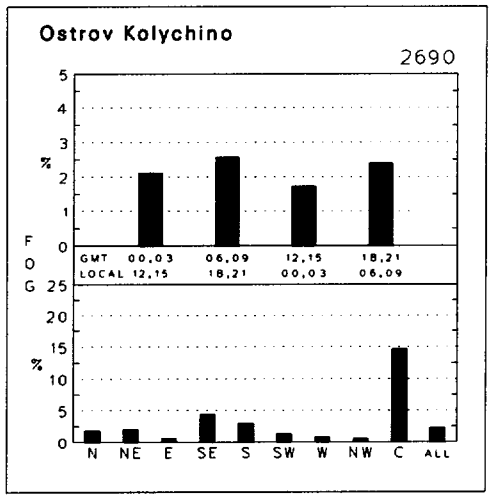
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

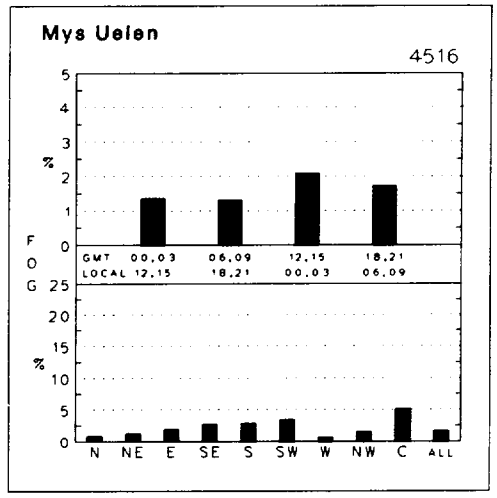

Holman
3114
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

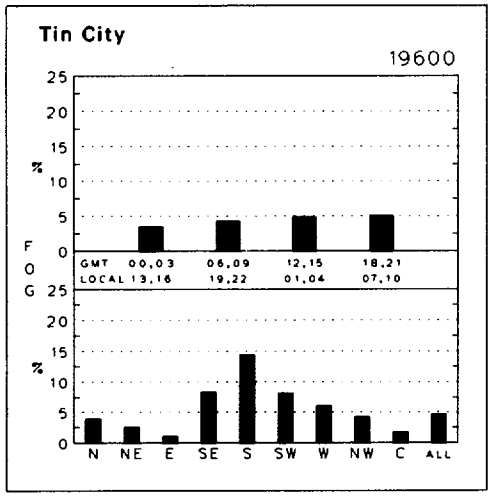

Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
A
B
C
D
Sachs Harbour
10774
Mould Bay
9464
Marine Area A
622
Marine Area B
2396
Marine Area C
6498
Marine Area D
1976
GMT
LOCAL
N NE E SE S SW W NW C ALL

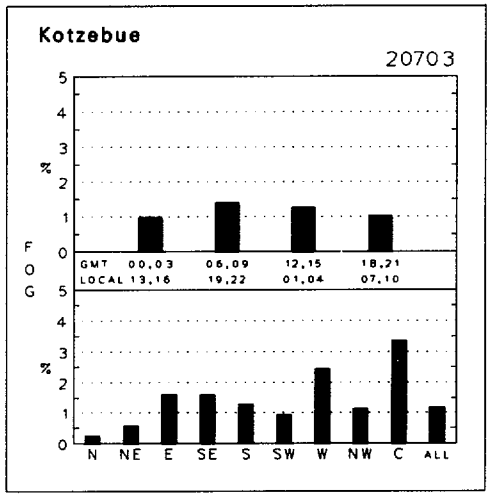

Ostrov Vrangelja
4234
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

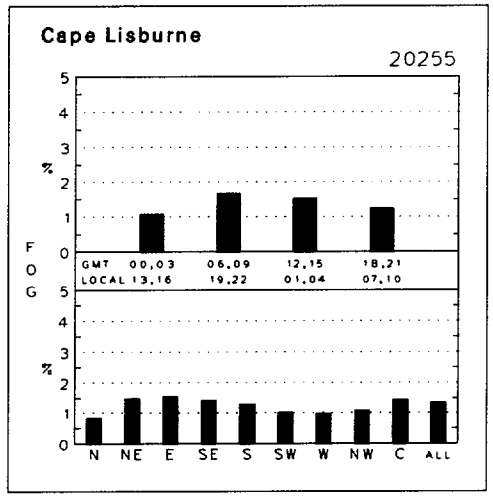

Mys Shmidta
4543
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

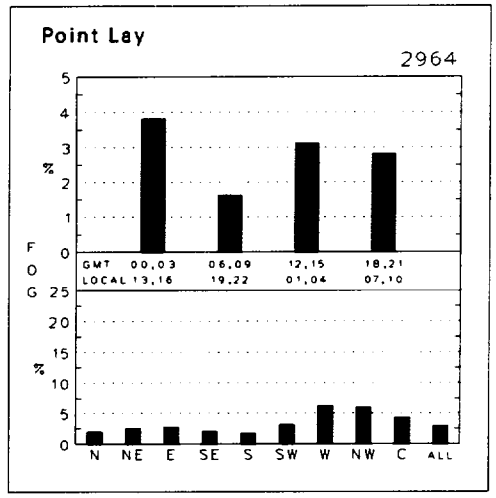

Ostrov Kolychino
2690
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

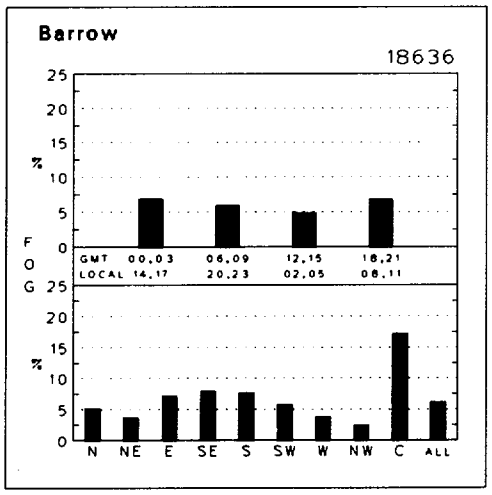

Mys Uelen
4516
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

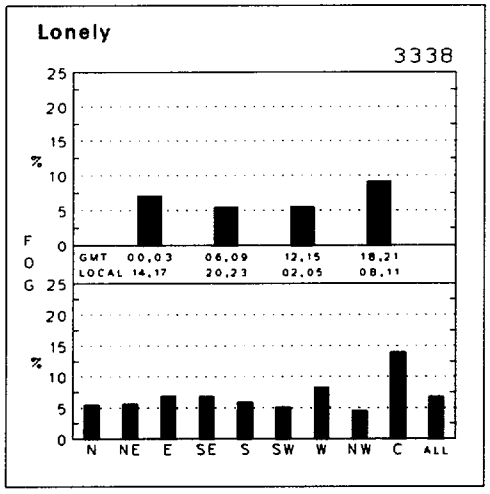

Tin City
19600
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

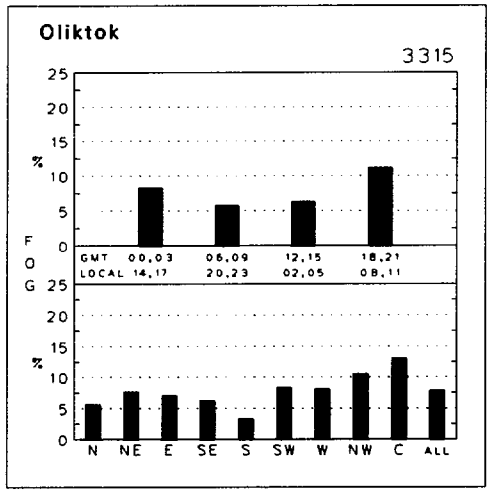

Kotzebue
20703
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

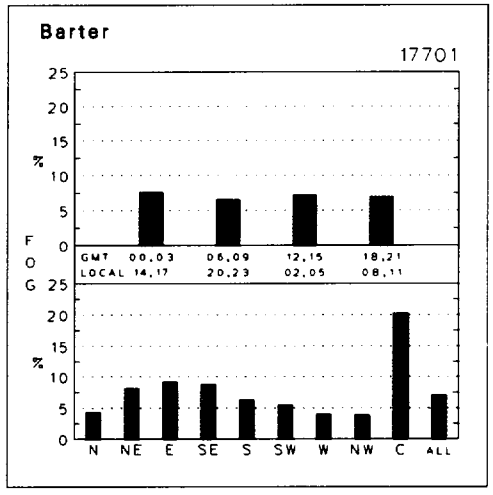

Cape Lisburne
20255
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Point Lay
2964
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL


Barrow
18636
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Lonely
3338
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Oliktok
3315
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Barter
17701
FOG %
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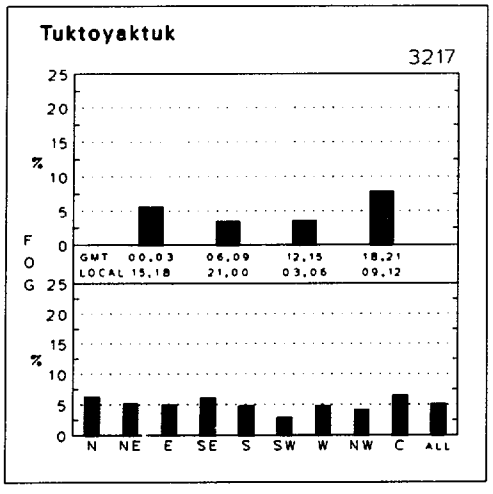
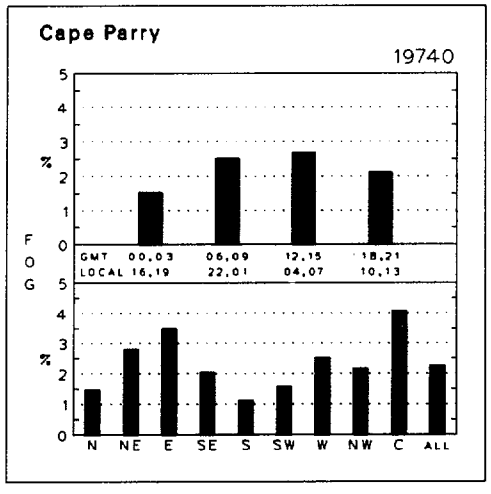
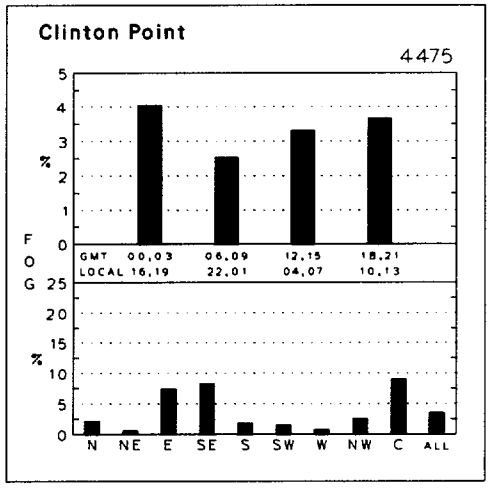
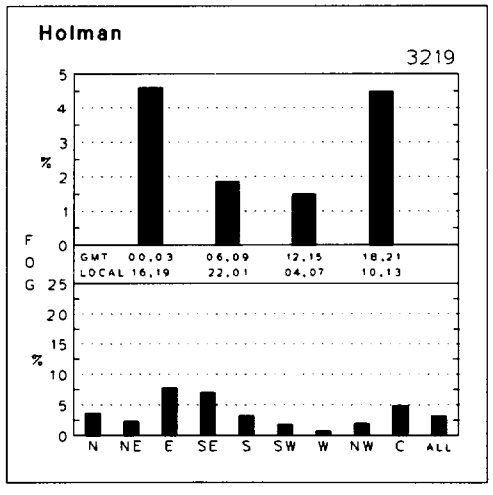
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Tuktoyaktuk
3217
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL


Cape Parry
19740
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4475
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Holman
3219
FOG %
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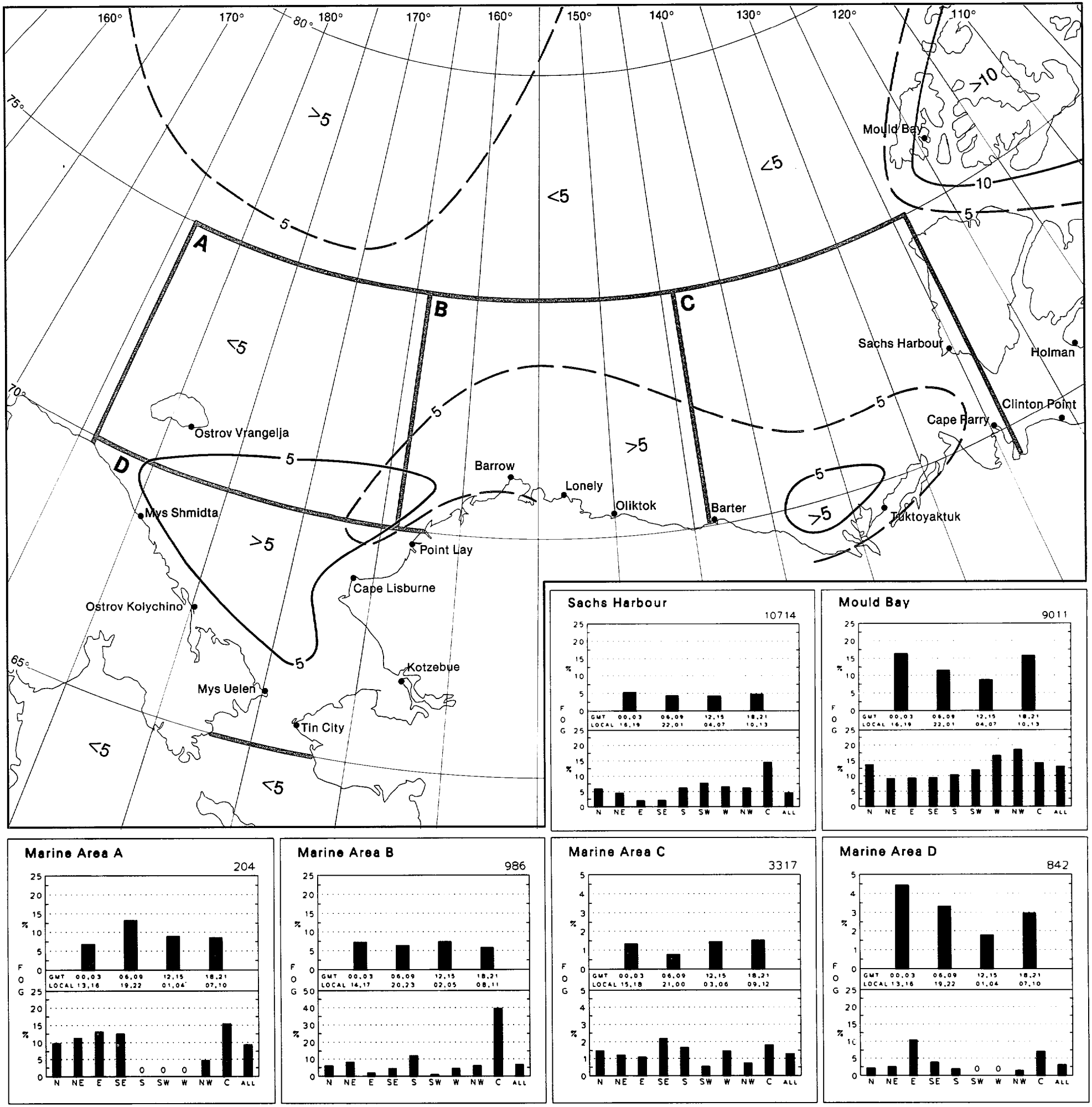
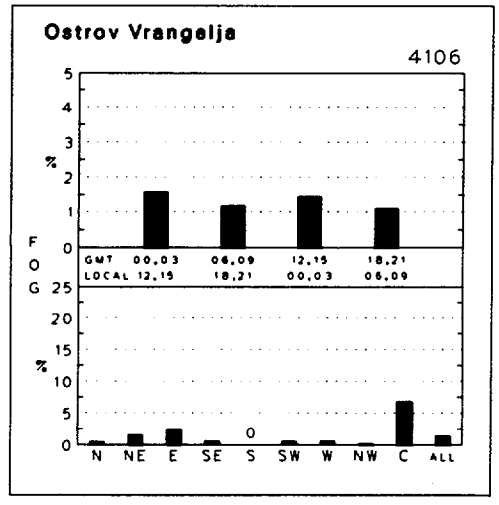
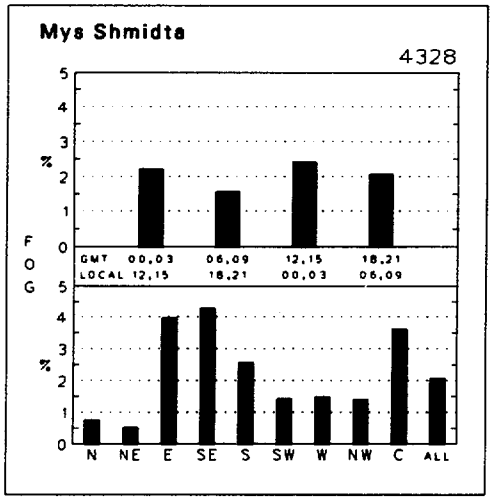
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


160°
170°
80°
180°
170°
160°
150°
140°
130°
120°
110°
75°
70°
65°
>5
<5
5
>10
10
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10714
Mould Bay
9011
Marine Area A
204
Marine Area B
986
Marine Area C
3317
Marine Area D
842
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Ostrov Vrangelja
4106
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL


Mys Shmidta
4328
FOG %
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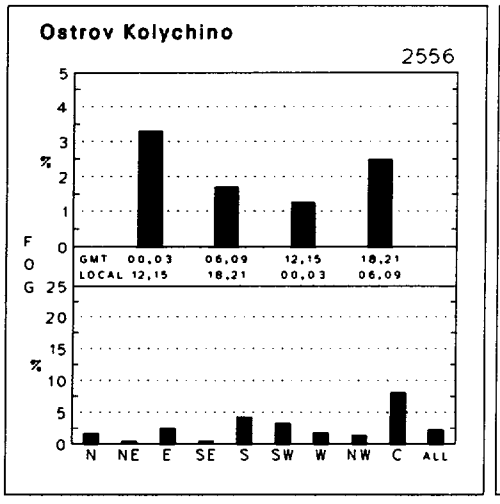
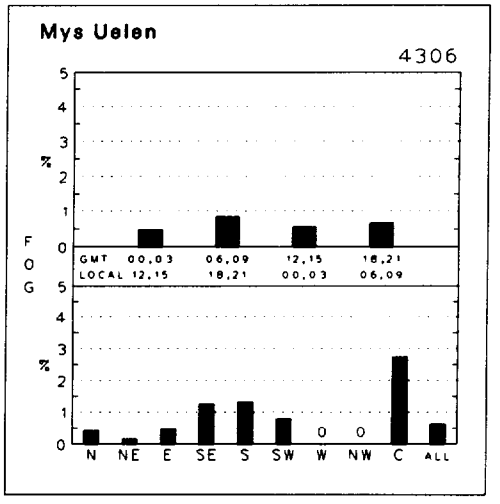
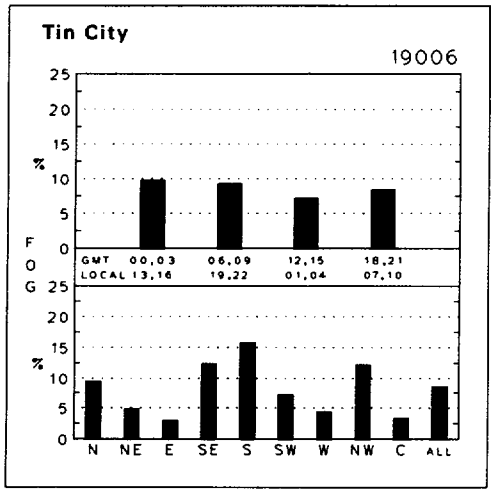
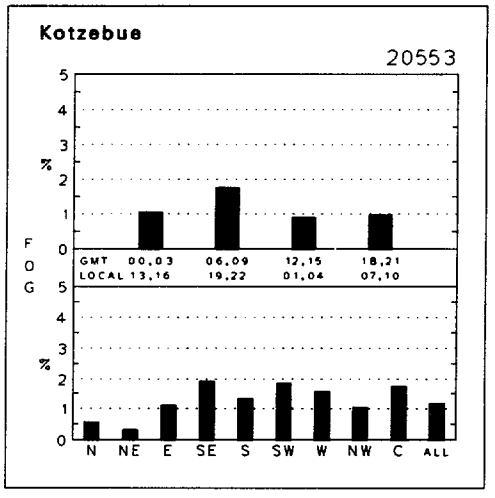
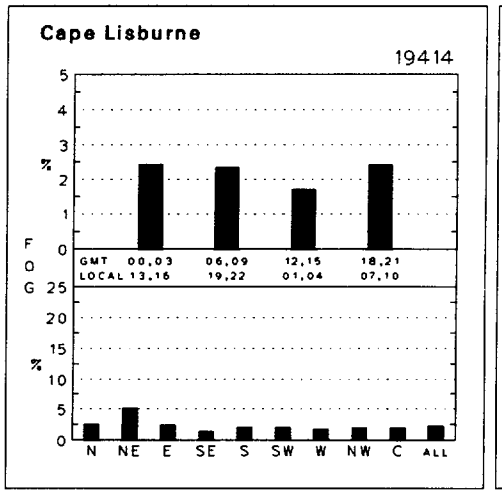
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

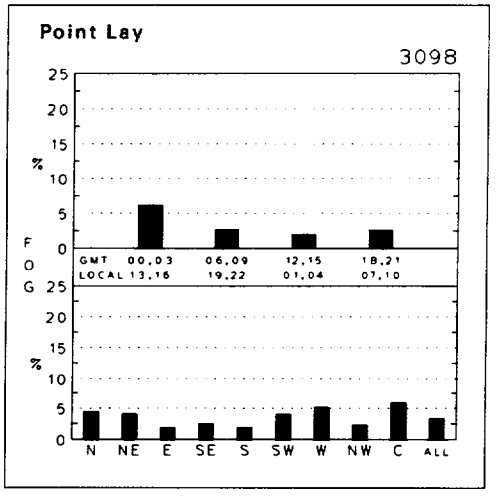

Ostrov Kolychino
2556
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

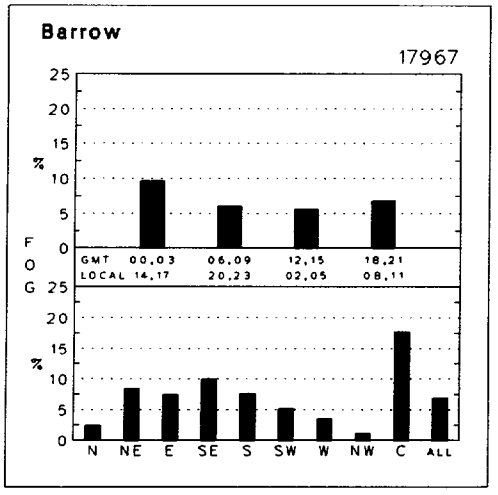

Mys Uelen
4306
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

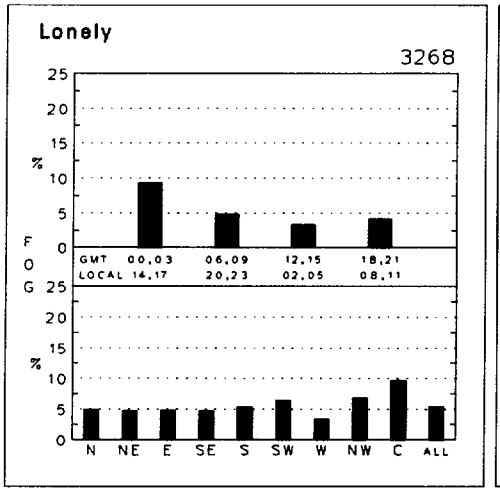

Tin City
19006
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

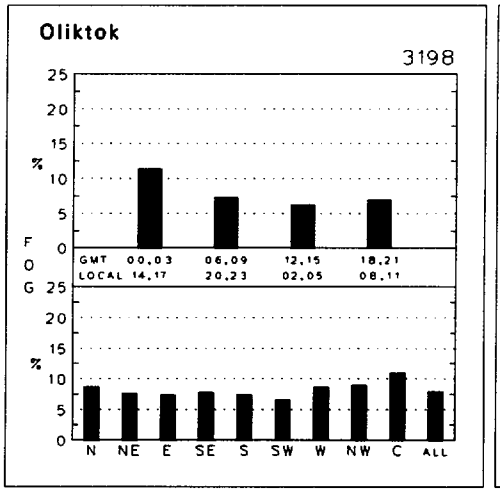

Kotzebue
20553
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

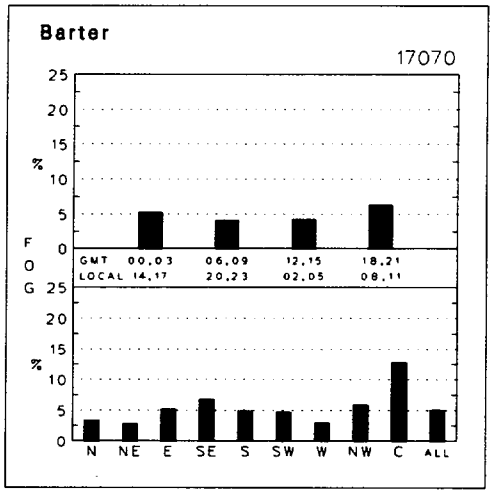

Cape Lisburne
19414
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

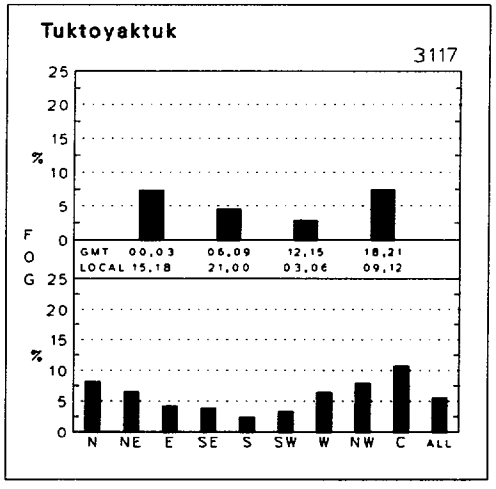

Point Lay
3098
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

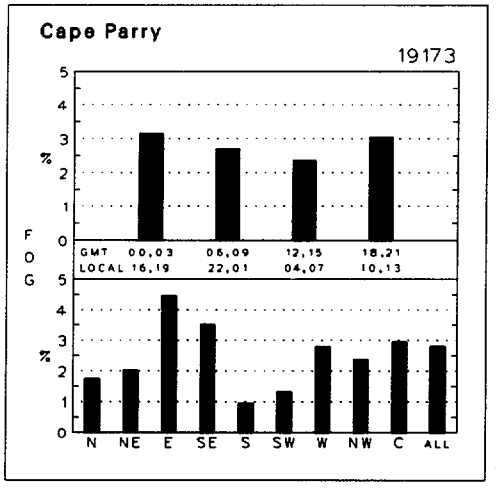

Barrow
17967
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

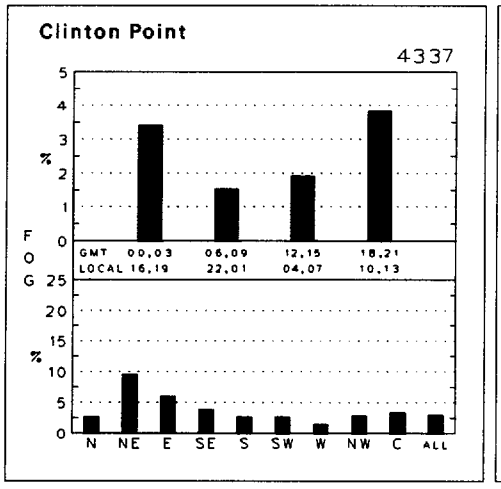

Lonely
3268
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

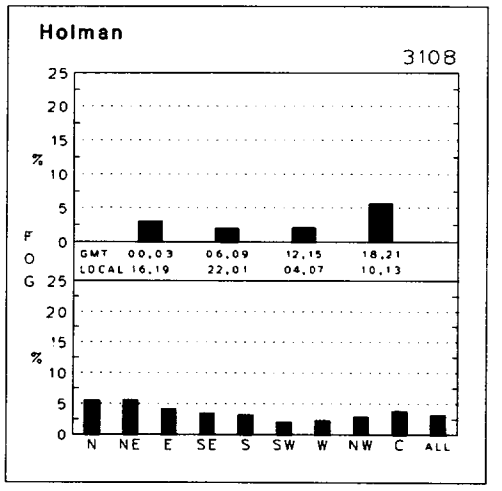

Oliktok
3198
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

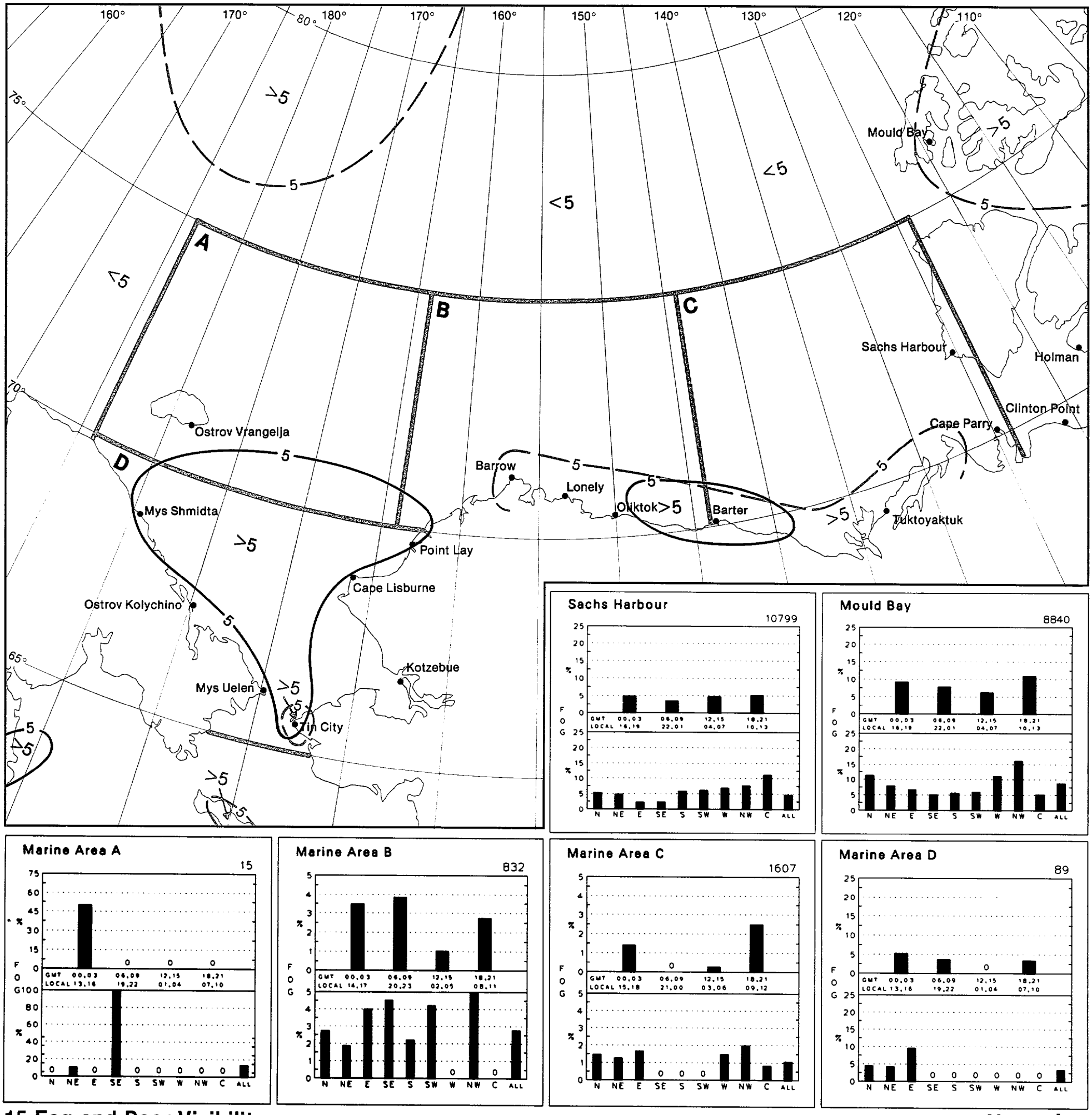

Barter
17070
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

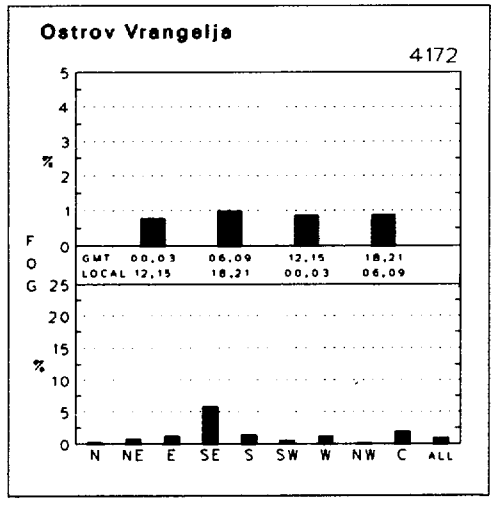

Tuktoyaktuk
3117
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL

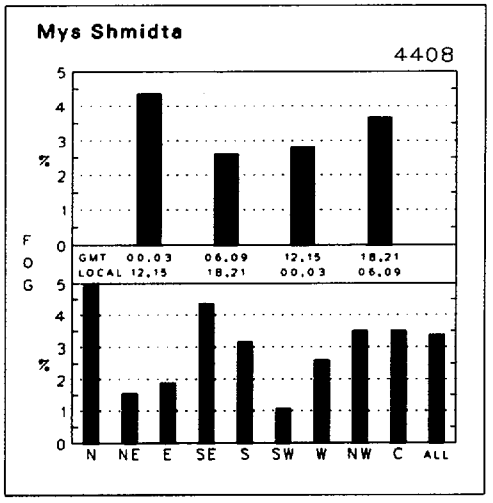

Cape Parry
19173
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

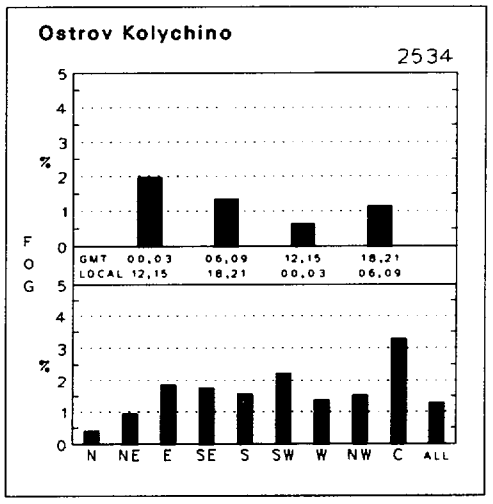

Clinton Point
4337
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

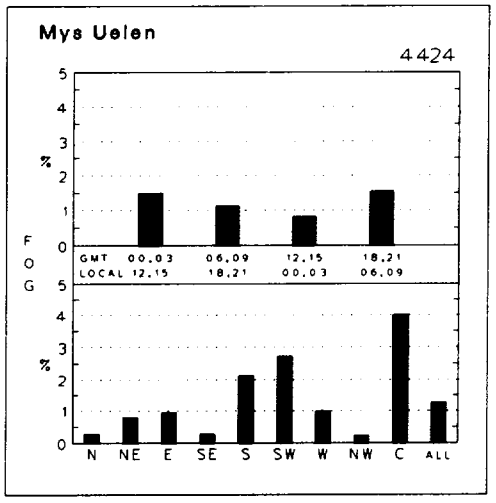

Holman
3108
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL

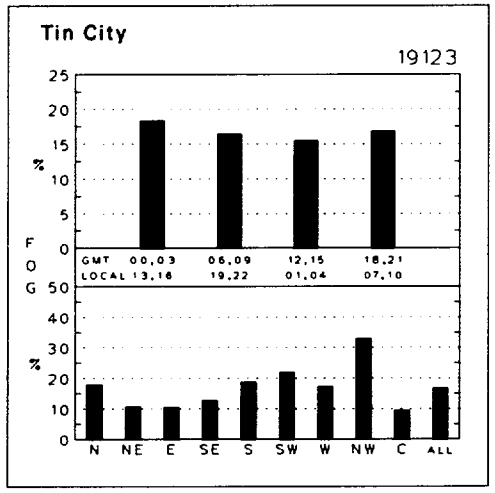

160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
A
B
C
D
>5
5
<5
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
10799
Mould Bay
8840
Marine Area A
15
Marine Area B
832
Marine Area C
1607
Marine Area D
89
GMT
LOCAL
N NE E SE S SW W NW C ALL

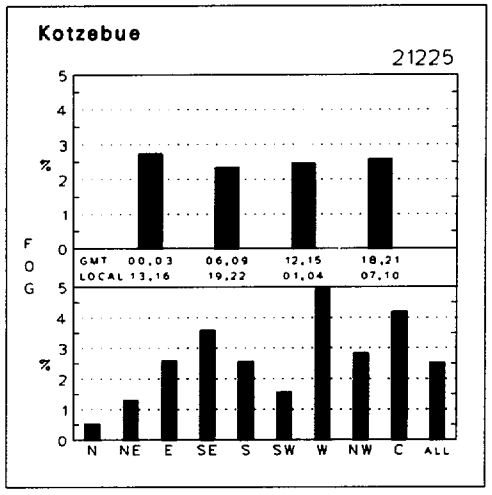

Ostrov Vrangelja
4172
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

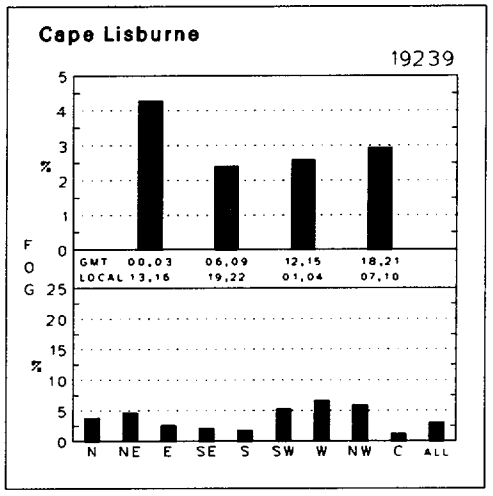

Mys Shmidta
4408
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

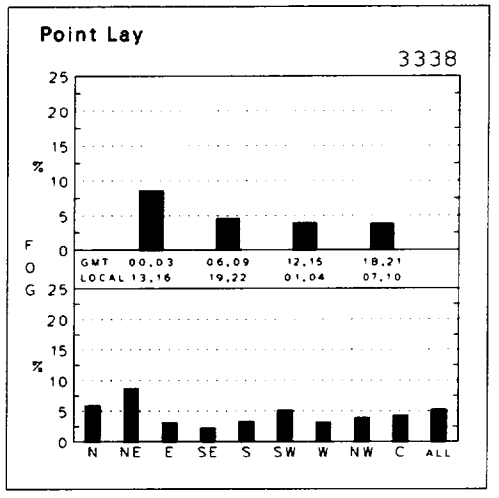

Ostrov Kolychino
2534
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

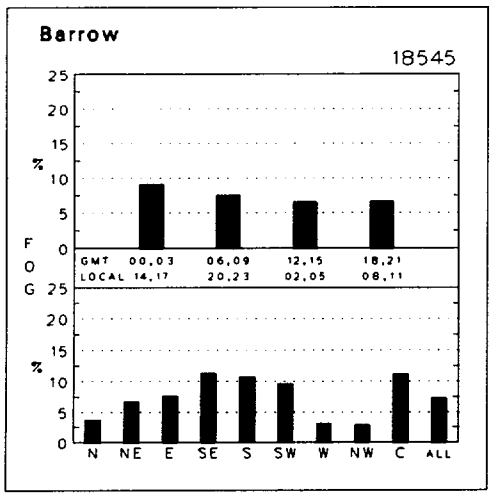

Mys Uelen
4424
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 12,15 18,21 00,03 06,09
N NE E SE S SW W NW C ALL

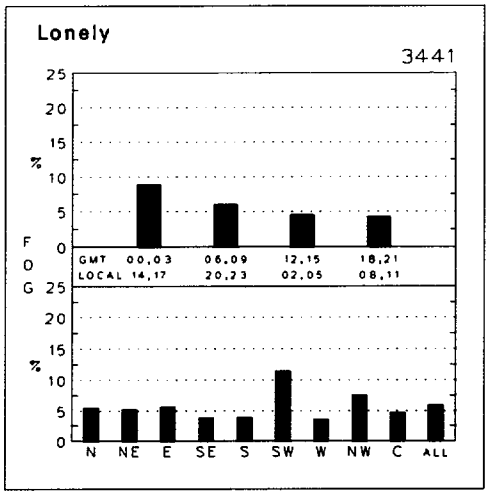

Tin City
19123
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

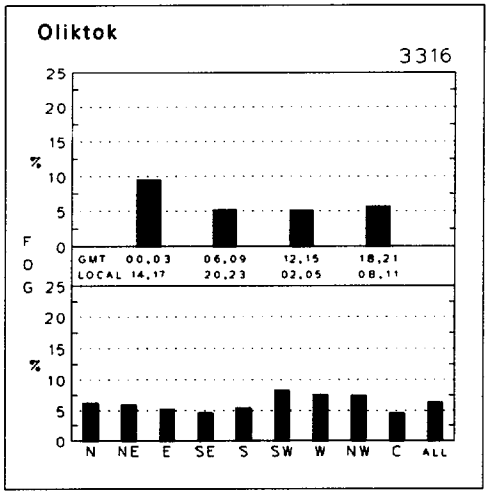

Kotzebue
21225
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

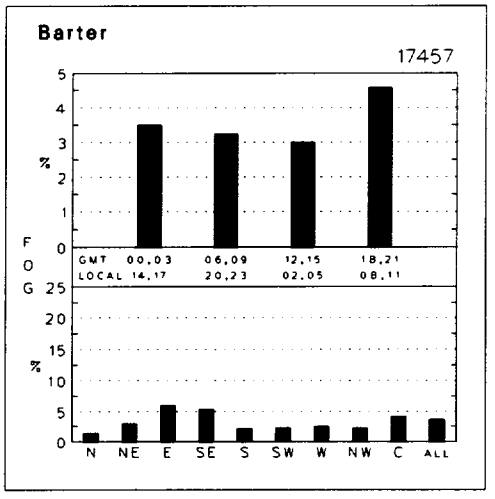

Cape Lisburne
19239
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

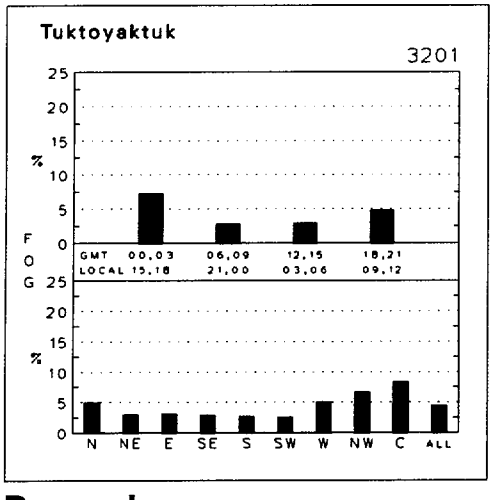

Point Lay
3338
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 13,16 19,22 01,04 07,10
N NE E SE S SW W NW C ALL

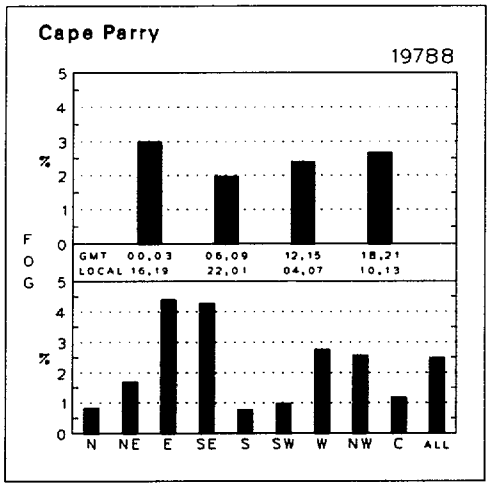

Barrow
18545
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

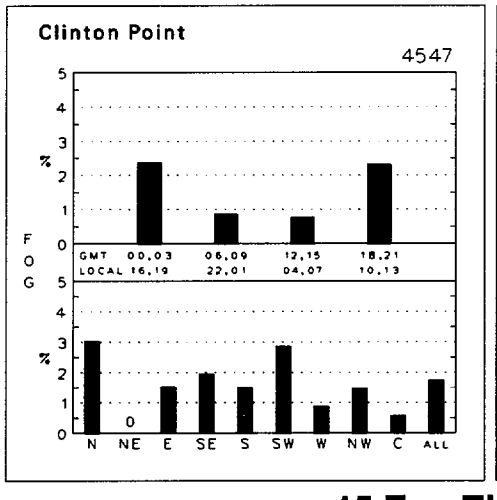

Lonely
3441
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

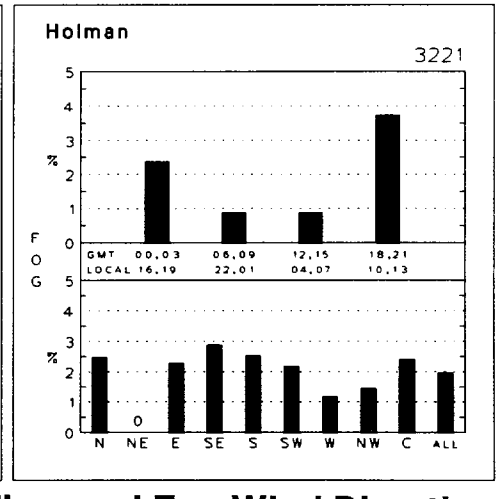

Oliktok
3316
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL

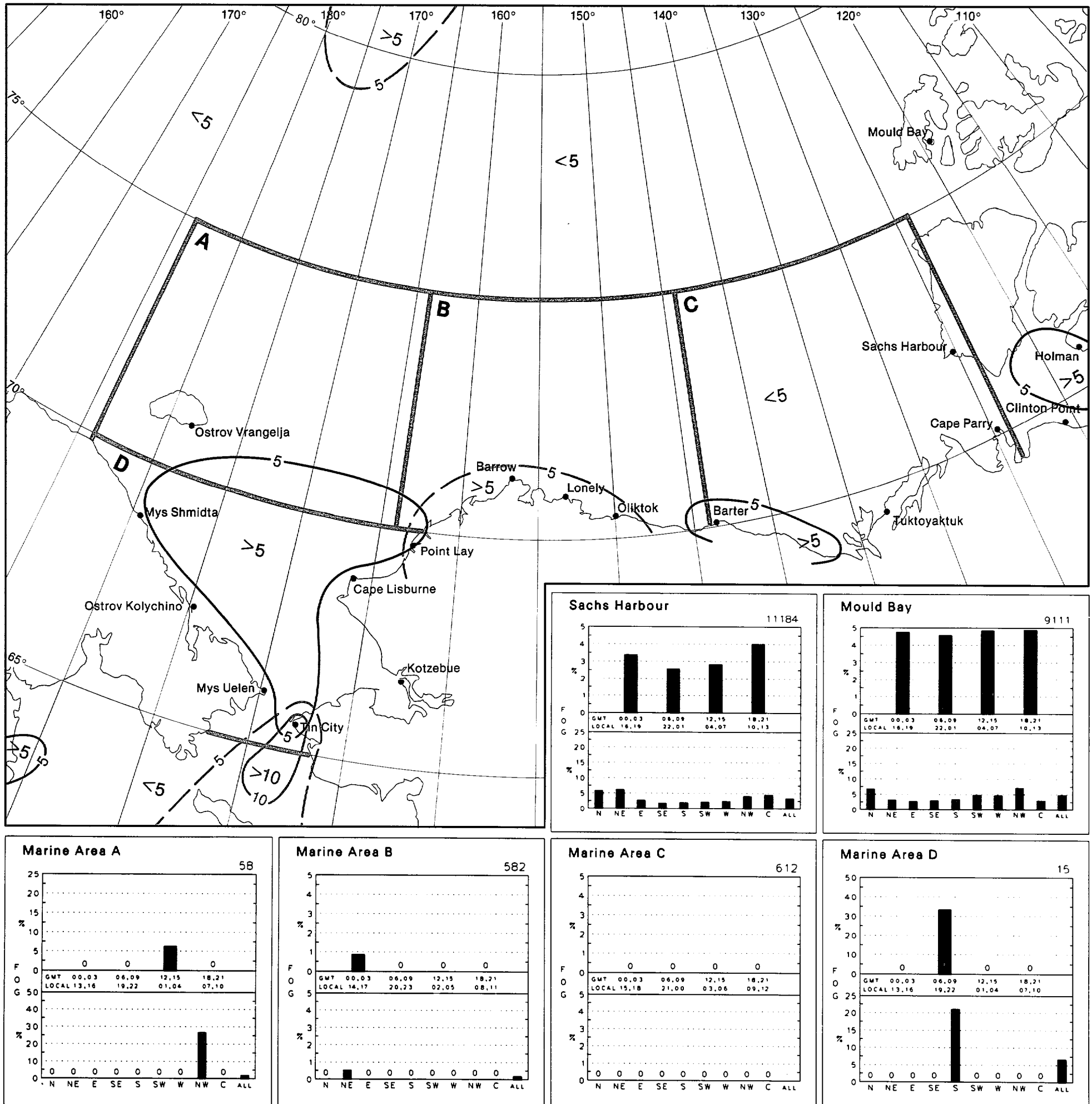

Barter
17457
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 14,17 20,23 02,05 08,11
N NE E SE S SW W NW C ALL


Tuktoyaktuk
3201
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 15,18 21,00 03,06 09,12
N NE E SE S SW W NW C ALL


Cape Parry
19788
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
N NE E SE S SW W NW C ALL


Clinton Point
4547
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
0
N NE E SE S SW W NW C ALL


Holman
3221
FOG %
GMT 00,03 06,09 12,15 18,21
LOCAL 16,19 22,01 04,07 10,13
0
N NE E SE S SW W NW C ALL


160°
170°
180°
170°
160°
150°
140°
130°
120°
110°
80°
75°
70°
65°
A
B
C
D
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City
Sachs Harbour
11184
Mould Bay
9111
Marine Area A
58
Marine Area B
582
Marine Area C
612
Marine Area D
15
FOG %
GMT
LOCAL
N NE E SE S SW W NW C ALL

Map 16. Sea surface temperature extremes (°C)

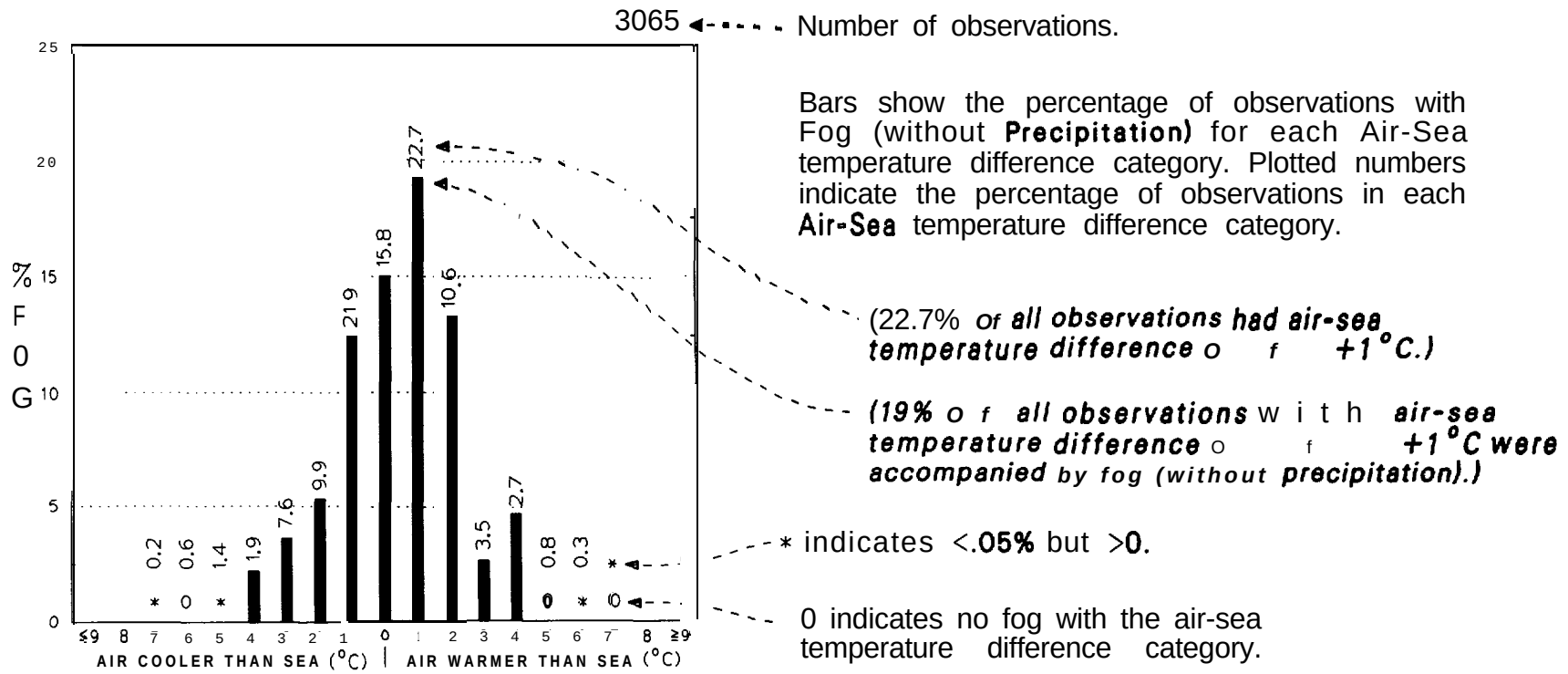
BLACK LINE – Maximum (99%) sea surface temperature (1% of the temperatures were greater than the given value).

BLUE LINE – Minimum (1%) sea surface temperature (1% of the temperatures were equal to or less than the given value).

Albers Equal-Area Conic Projection

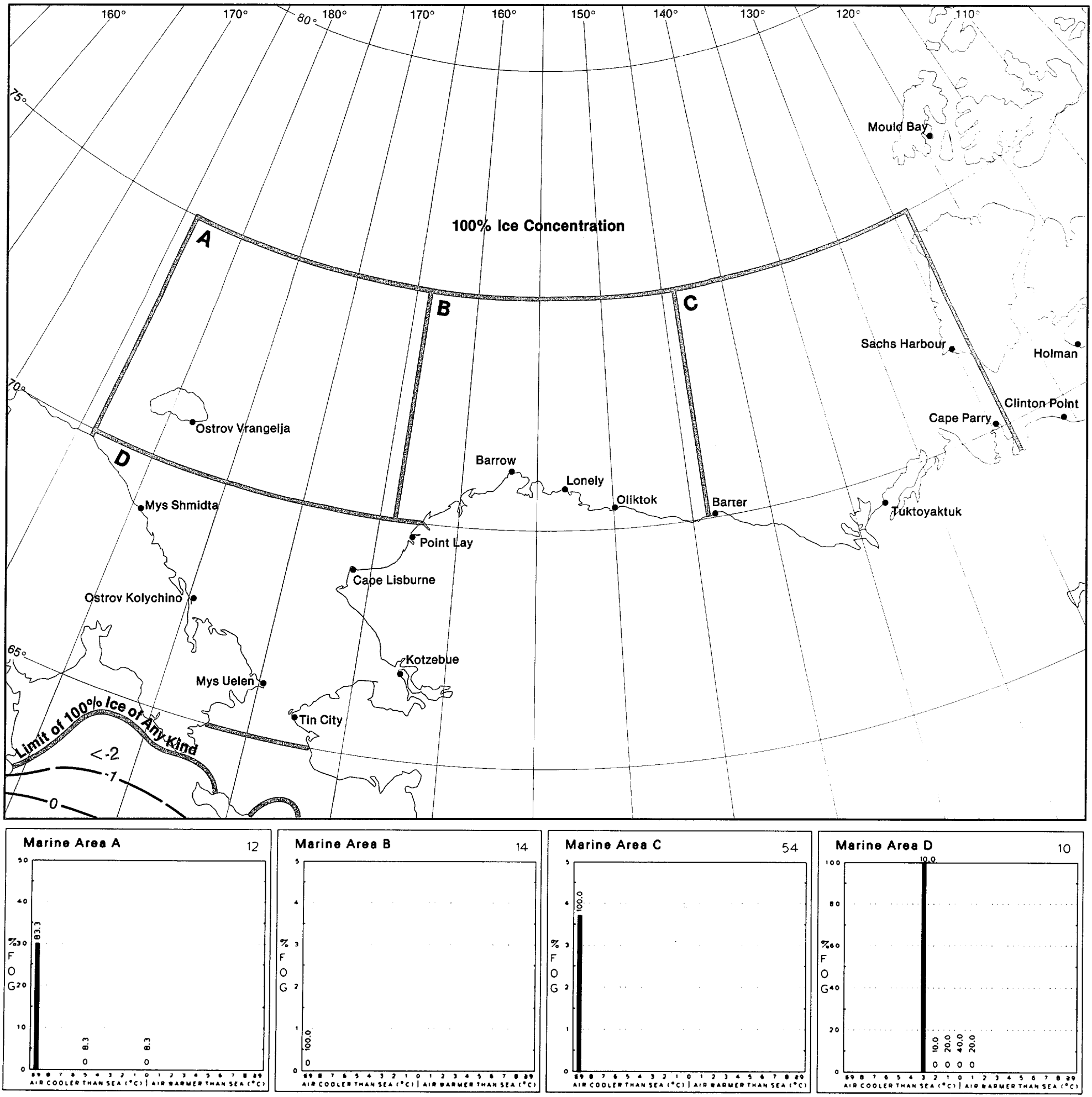
Graphs: Fog/air-sea temperature difference

PERCENT FREQUENCY OF THE OCCURRENCE OF FOG (Without Precipitation) VERSUS AIR-SEA TEMPERATURE DIFFERENCE (°C)



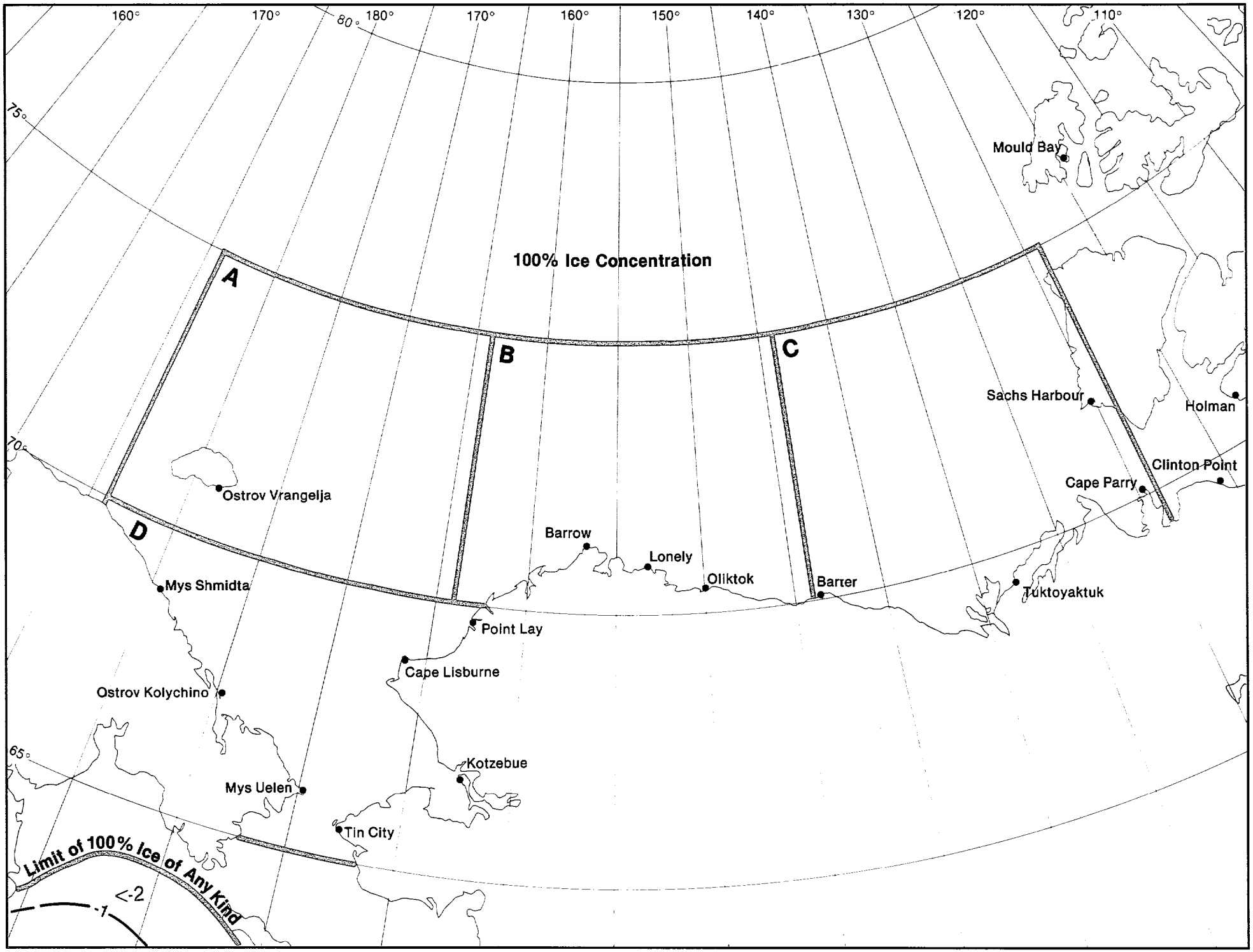
Sea surface temperatures are recorded with a fairly high frequency in marine observations. The principal methods for observing the temperature of the water surface on merchant ships are by either a fluid thermometer located in the condenser intake of the ship or a thermometer immersed in a freshly-drawn bucket of surface water. While the intake method is commonly used on most merchant ships today, the bucket method was the most common a half century ago. Injection temperatures are not considered as representative of the surface temperature as bucket readings because the injectors are commonly located well below the water surface at depths of 5 to 20 meters depending on the size of the ship. Injection temperatures are also subject to varying errors due to heating caused by the ship. Bucket temperatures can also be biased by the air temperature or the bucket itself.

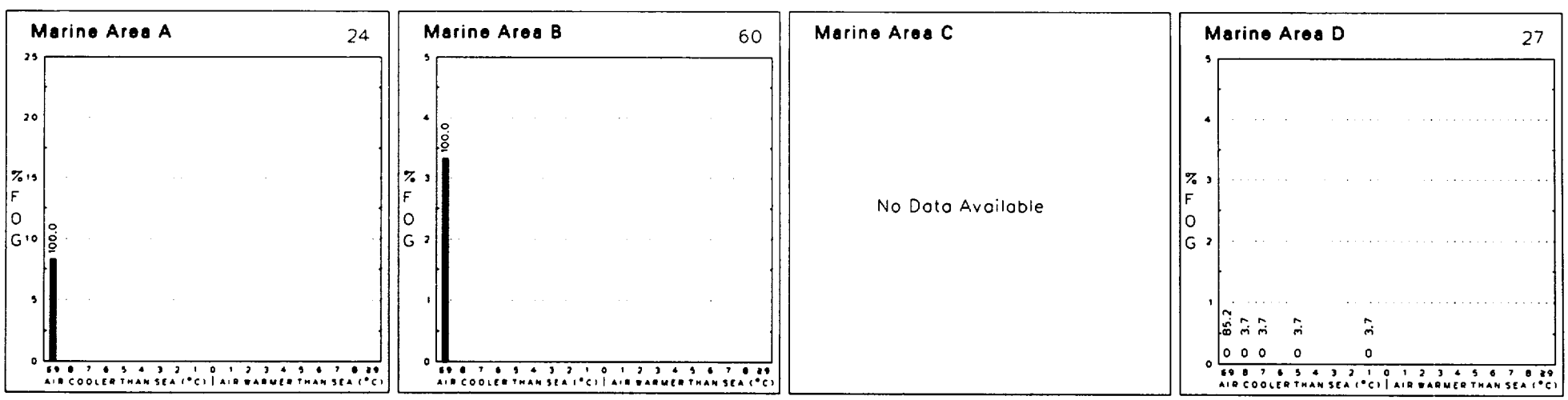
Even though the two methods produce slightly different results, the data can be used with considerable confidence. The isopleths representing extreme conditions show the maximum (99%) and the minimum (1 %) levels of sea surface temperature. Gradients and relative values of the isopleths are considered reliable.



January

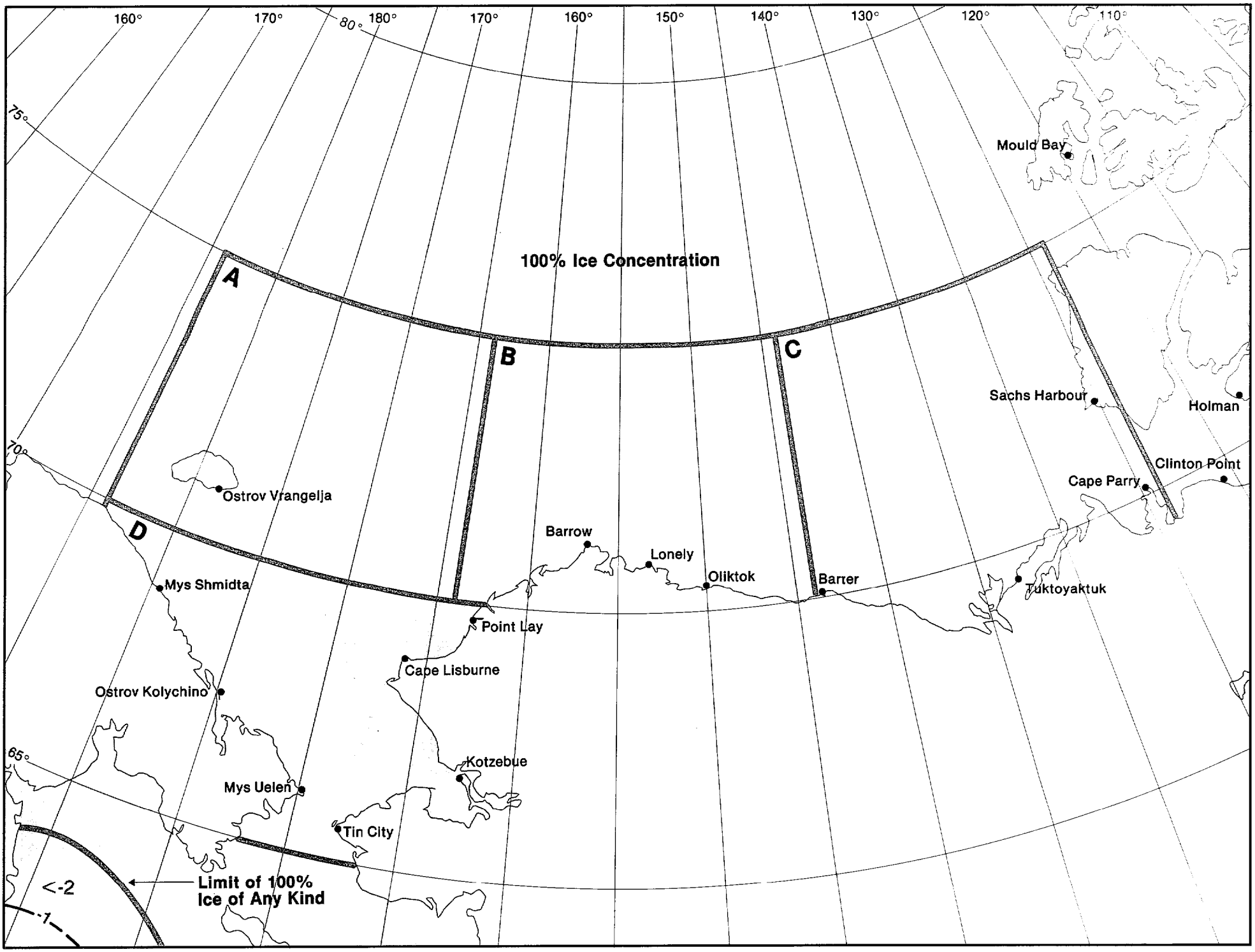
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

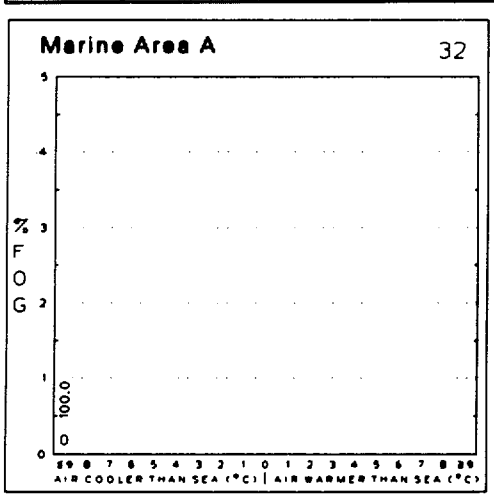


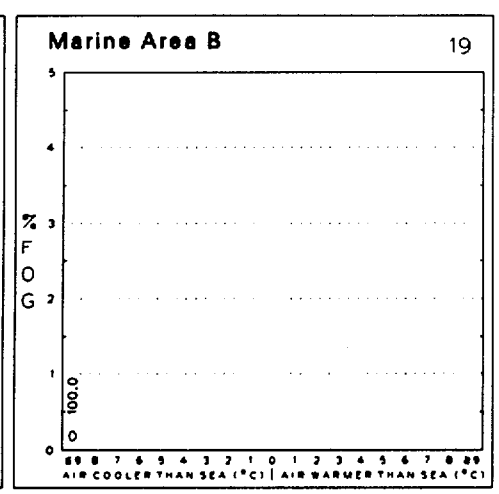


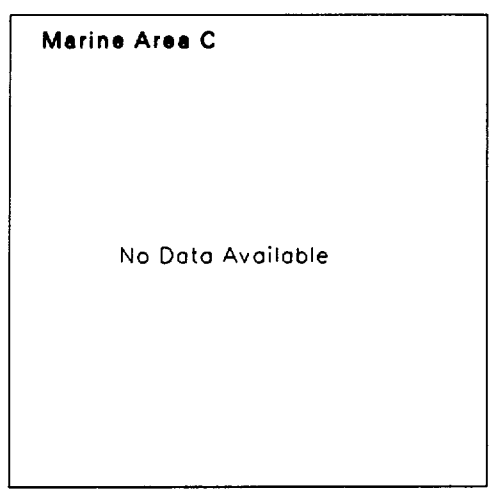
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

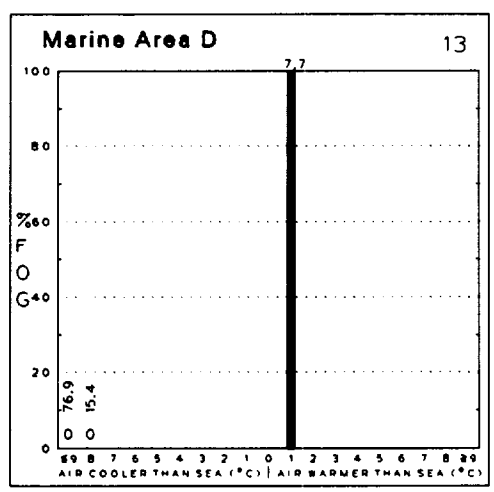
February





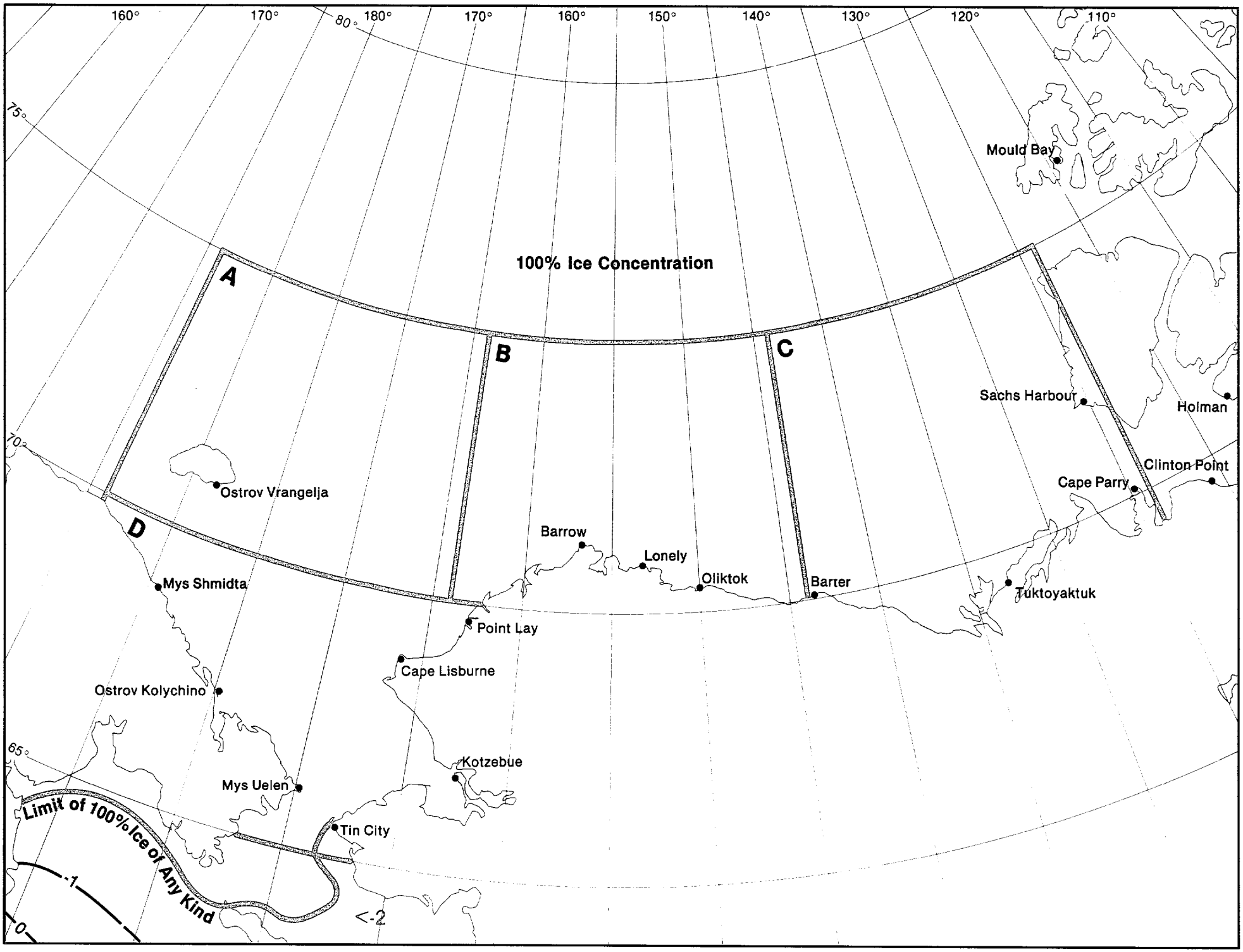


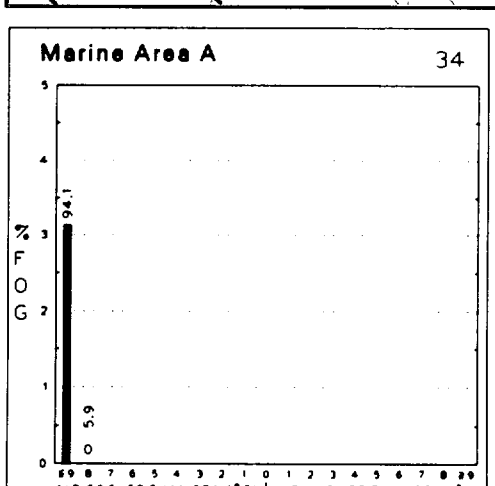


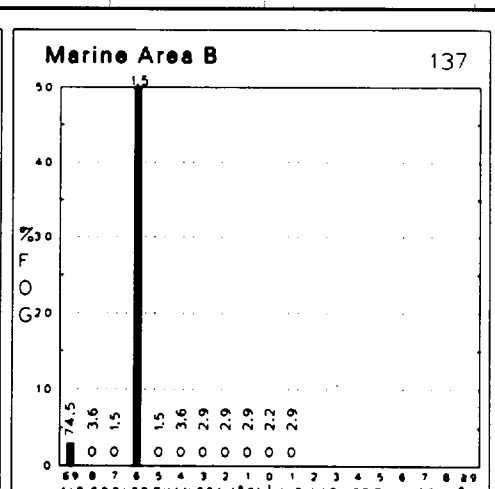


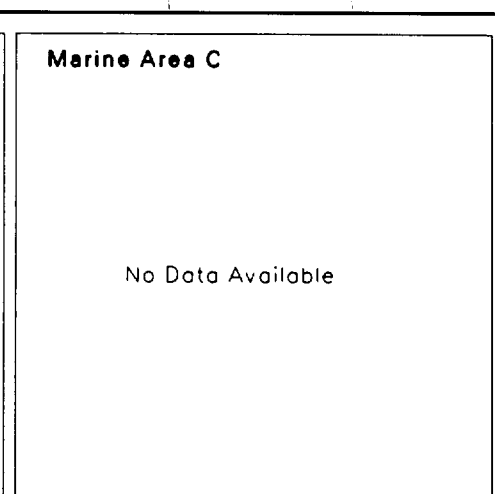
March

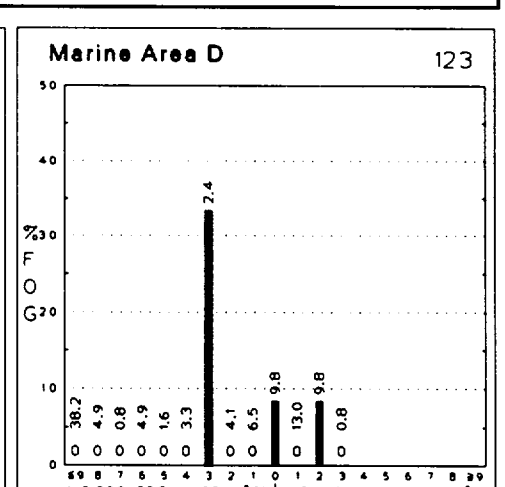
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes



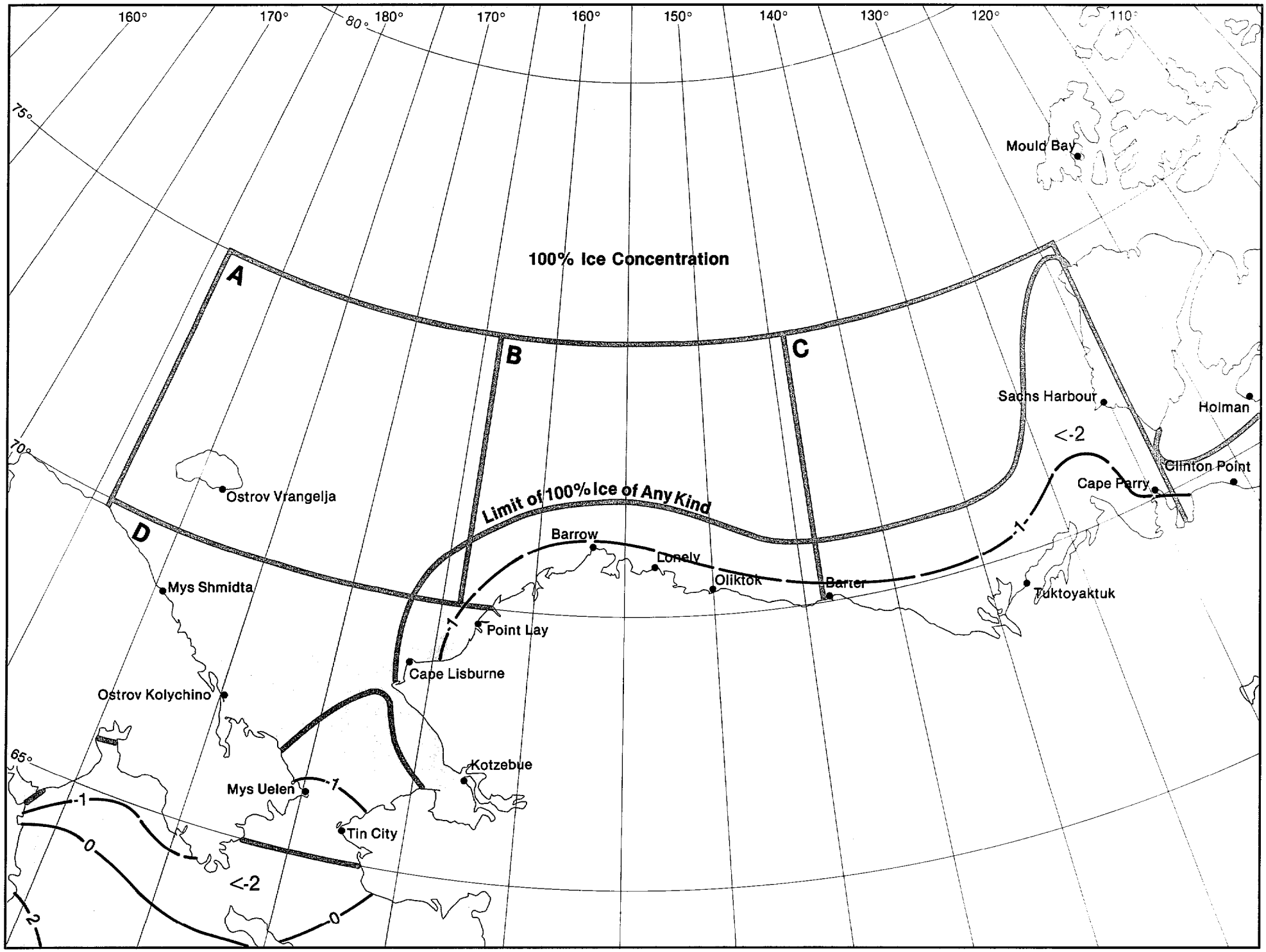


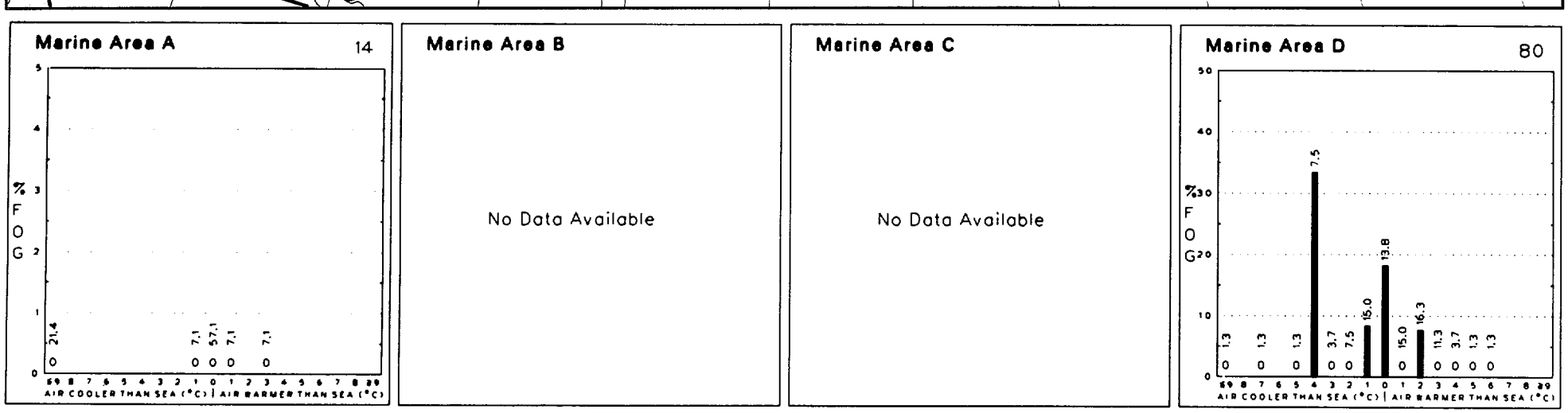






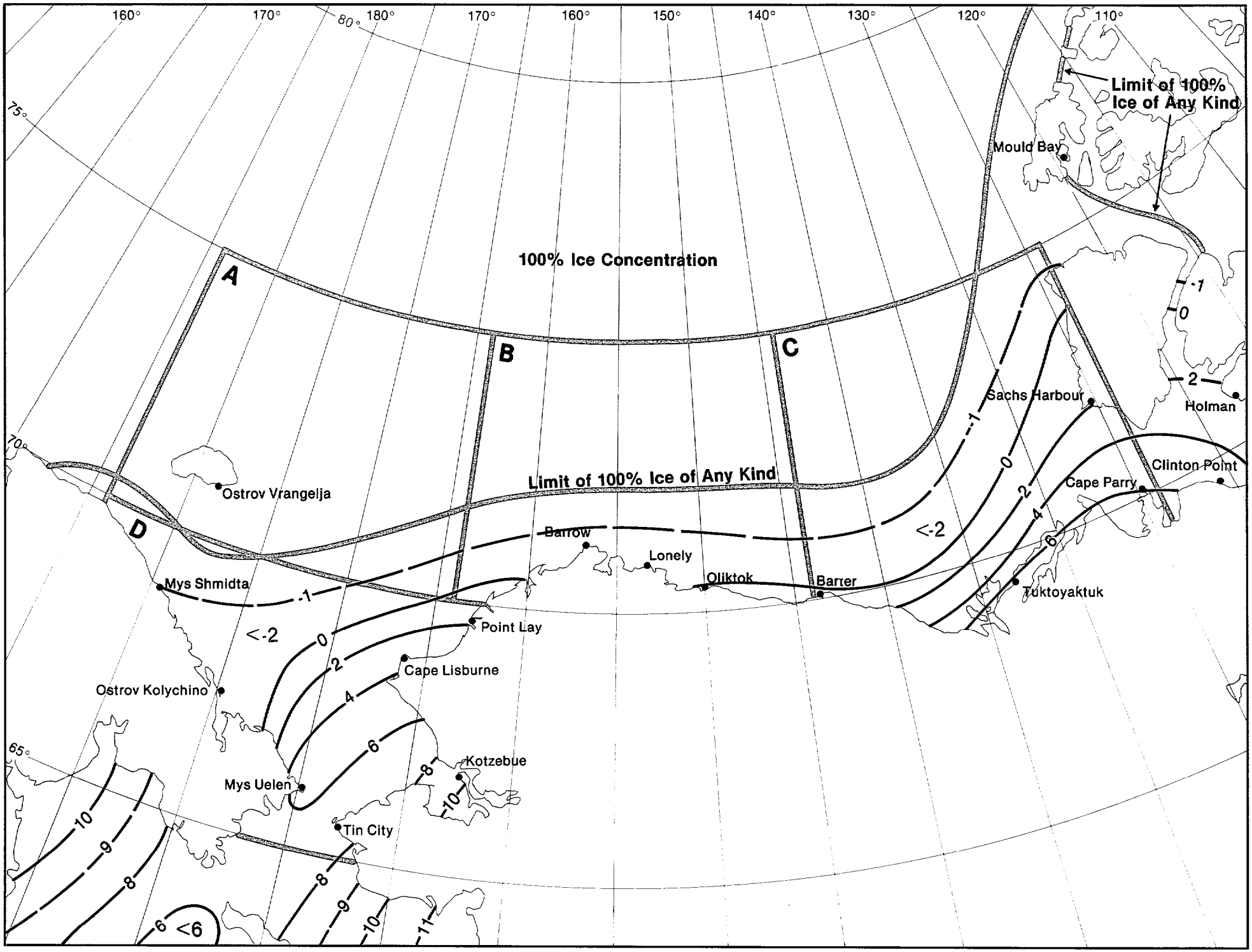
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

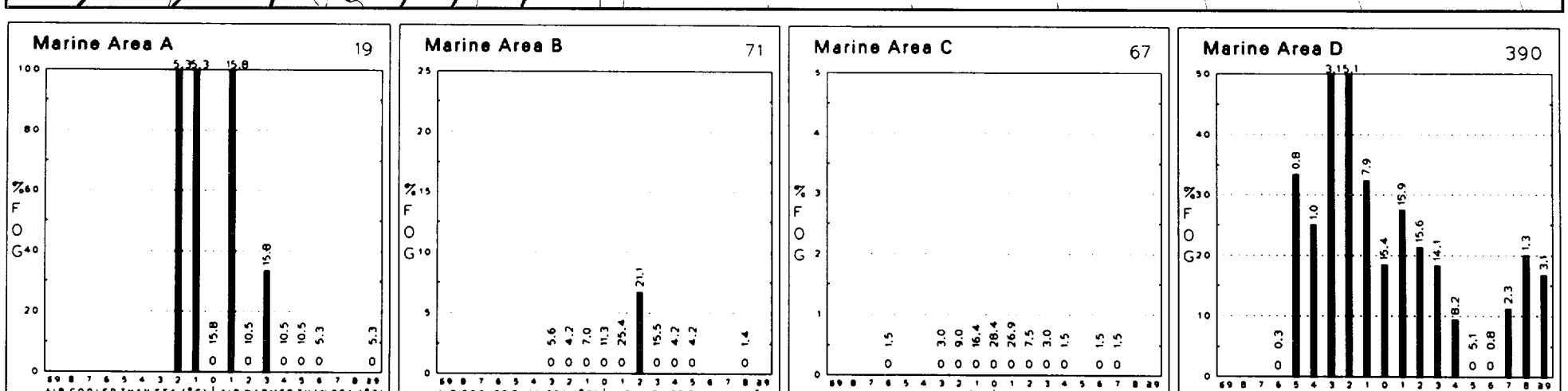




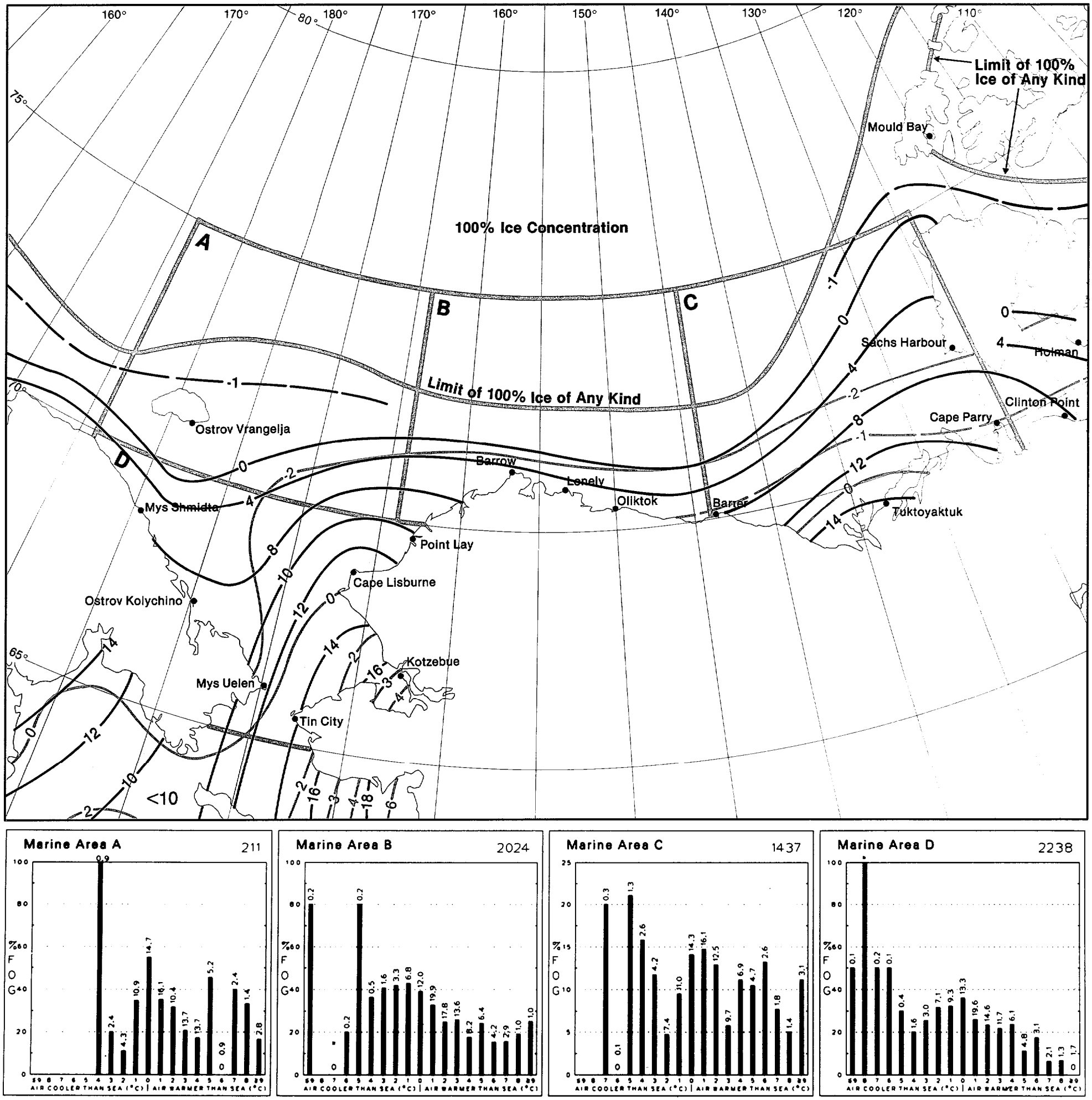
May

16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes



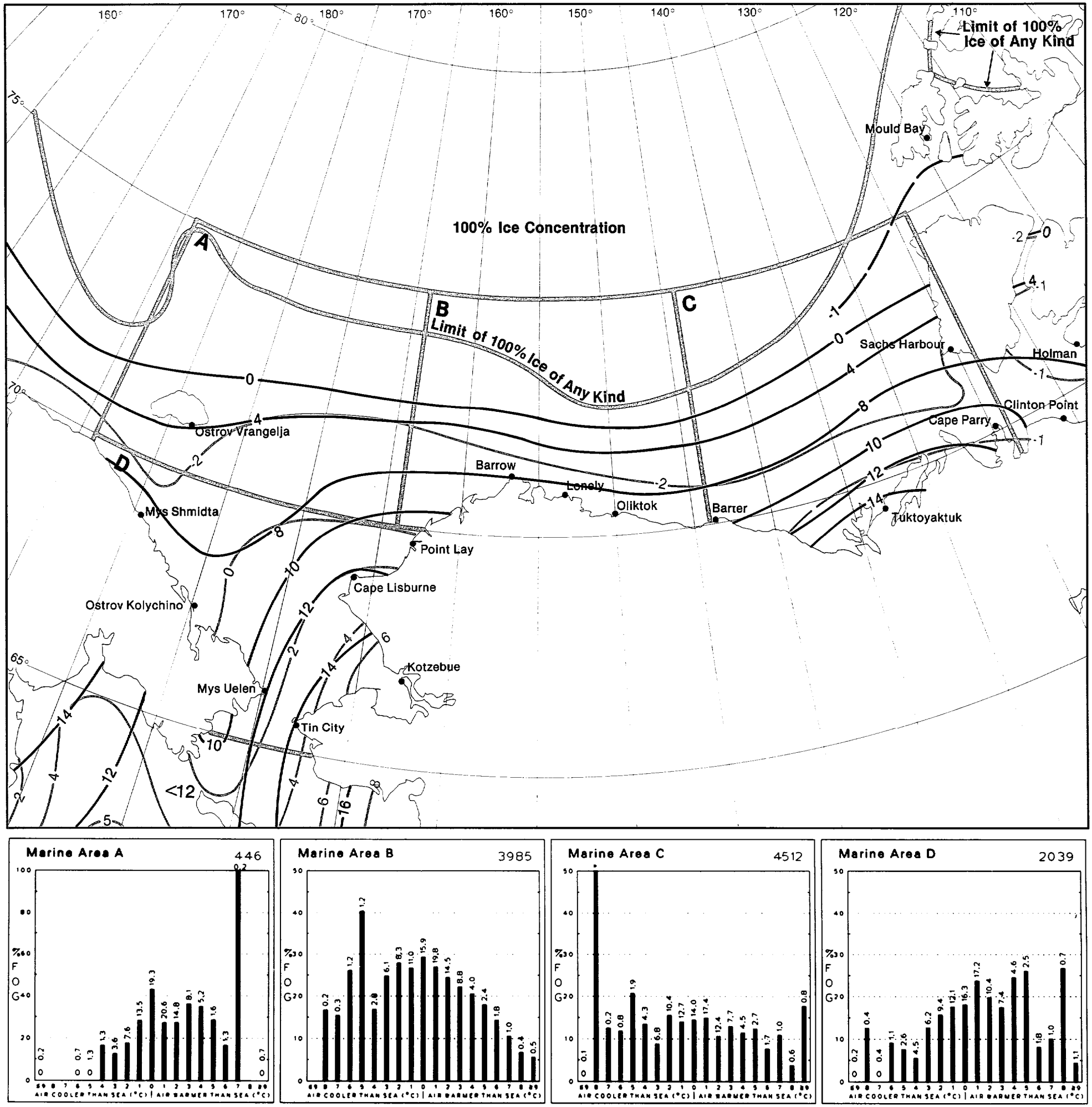


16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes



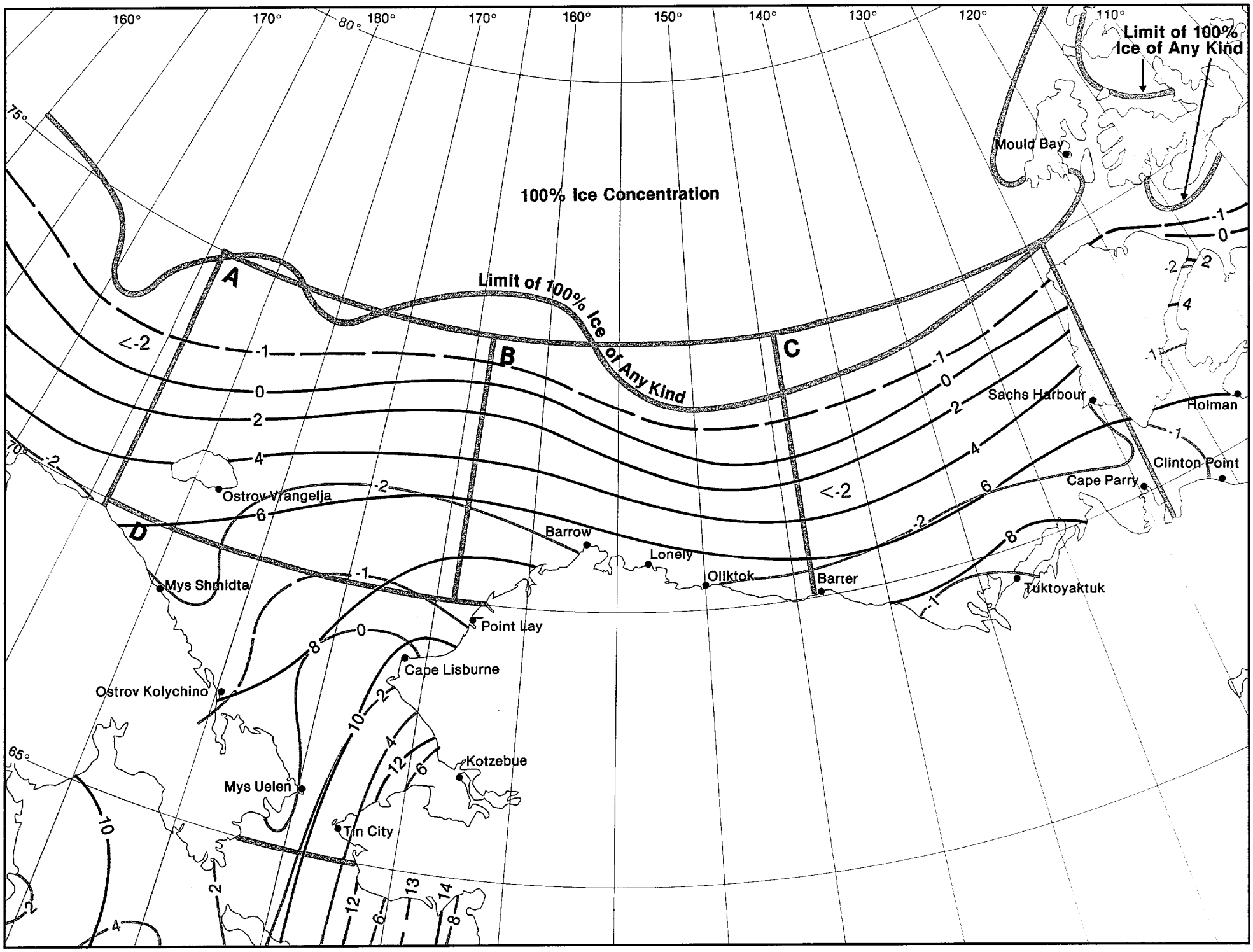
July

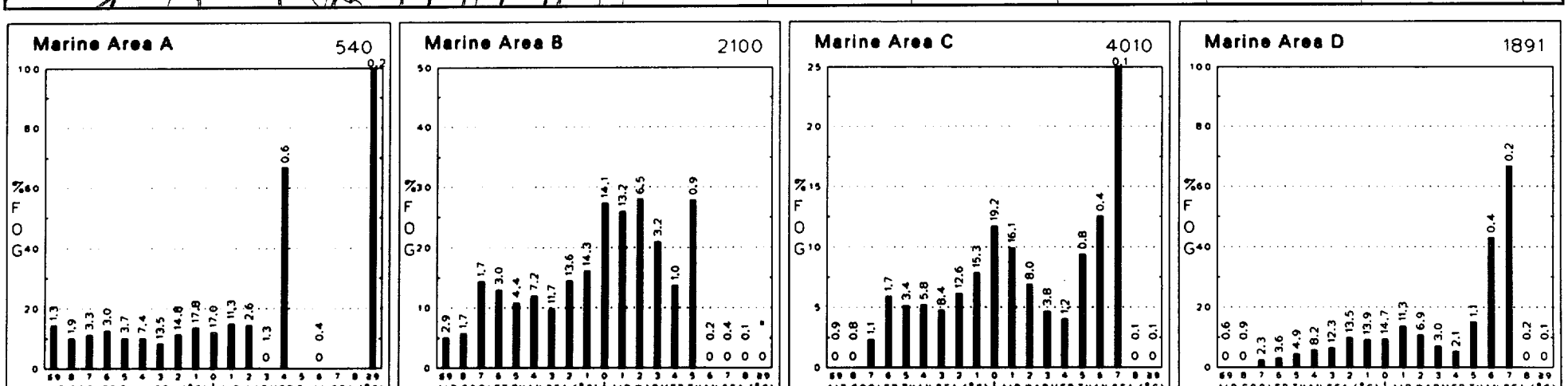
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes



16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

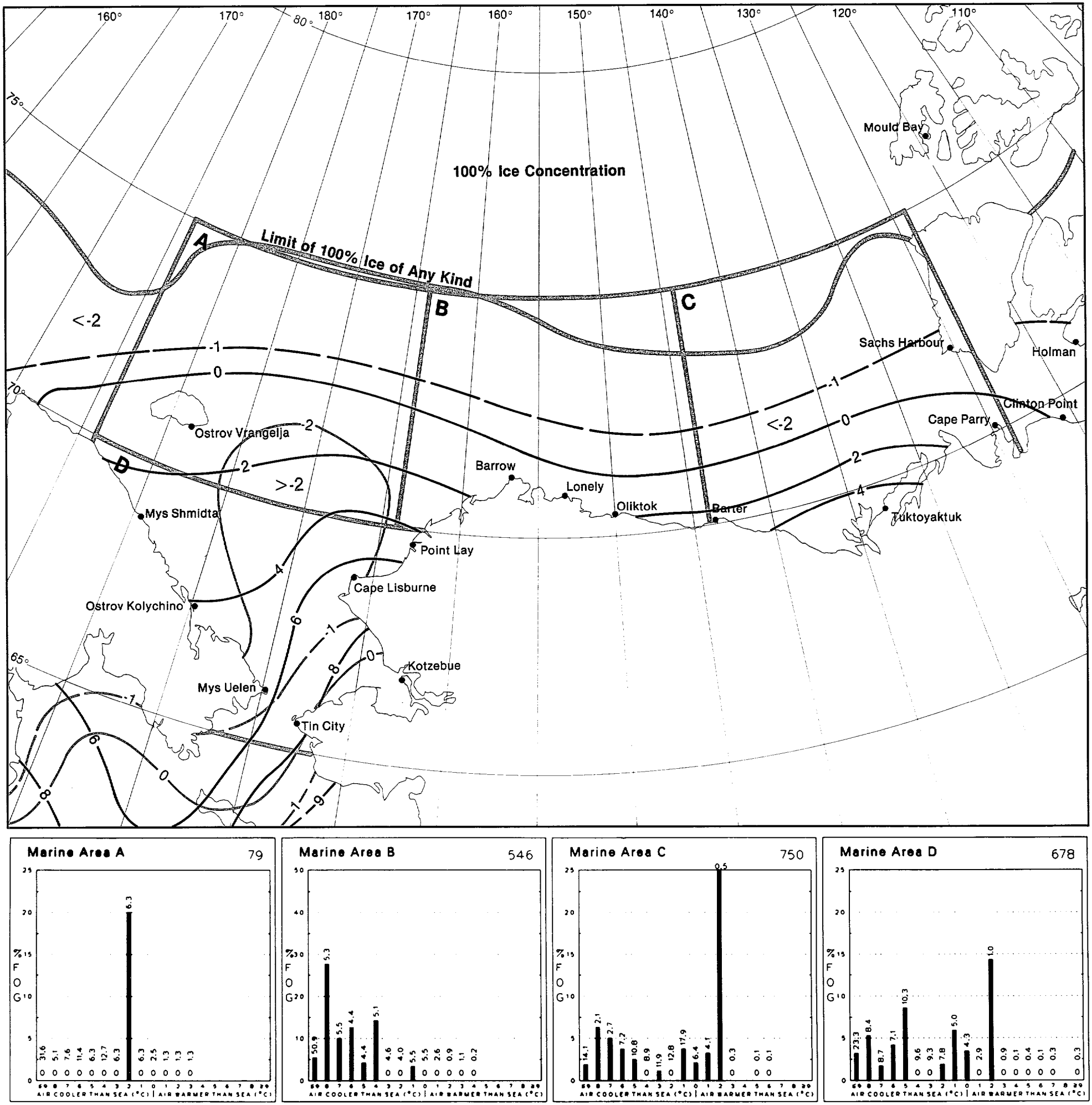
August





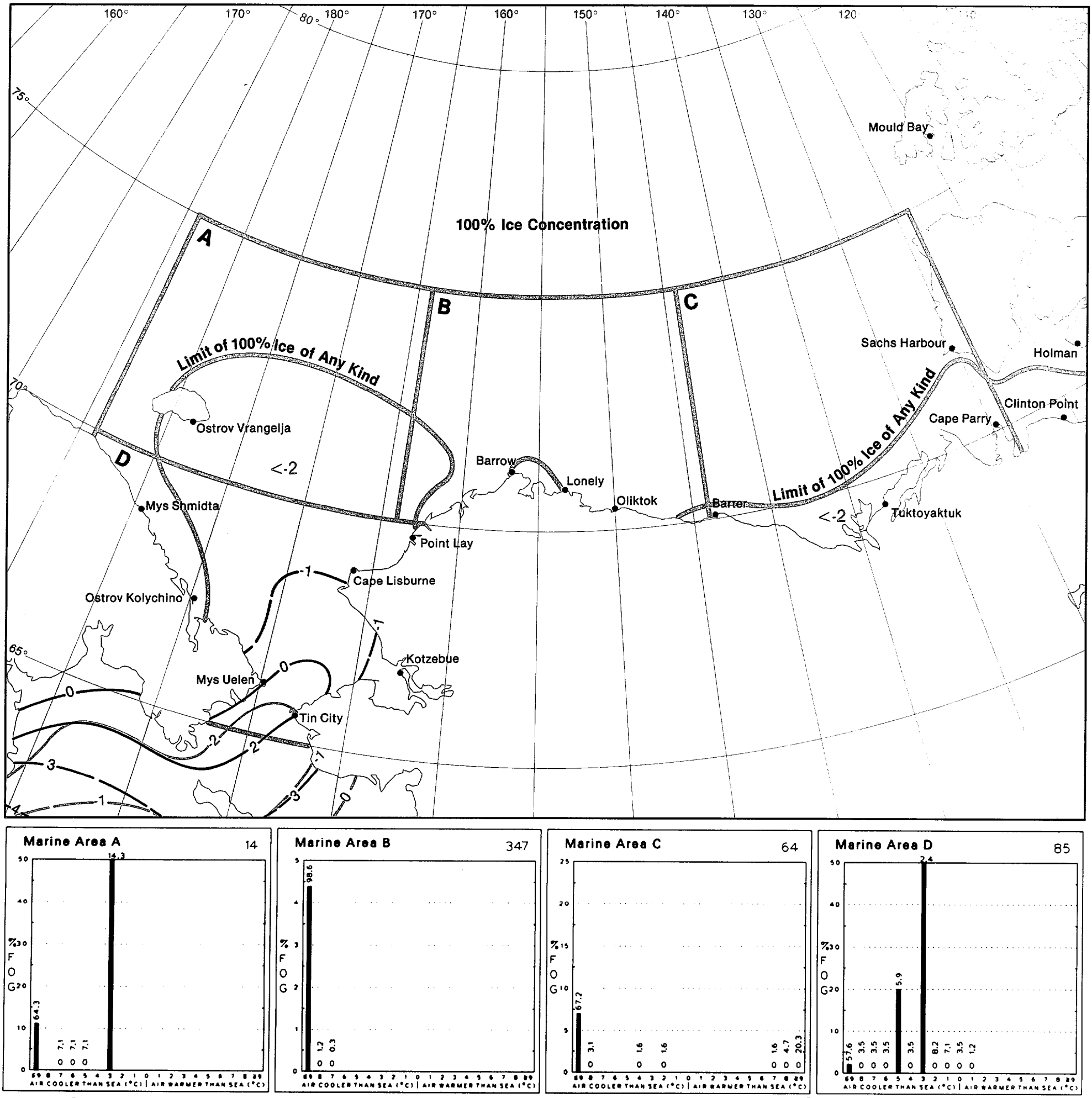
September

16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes



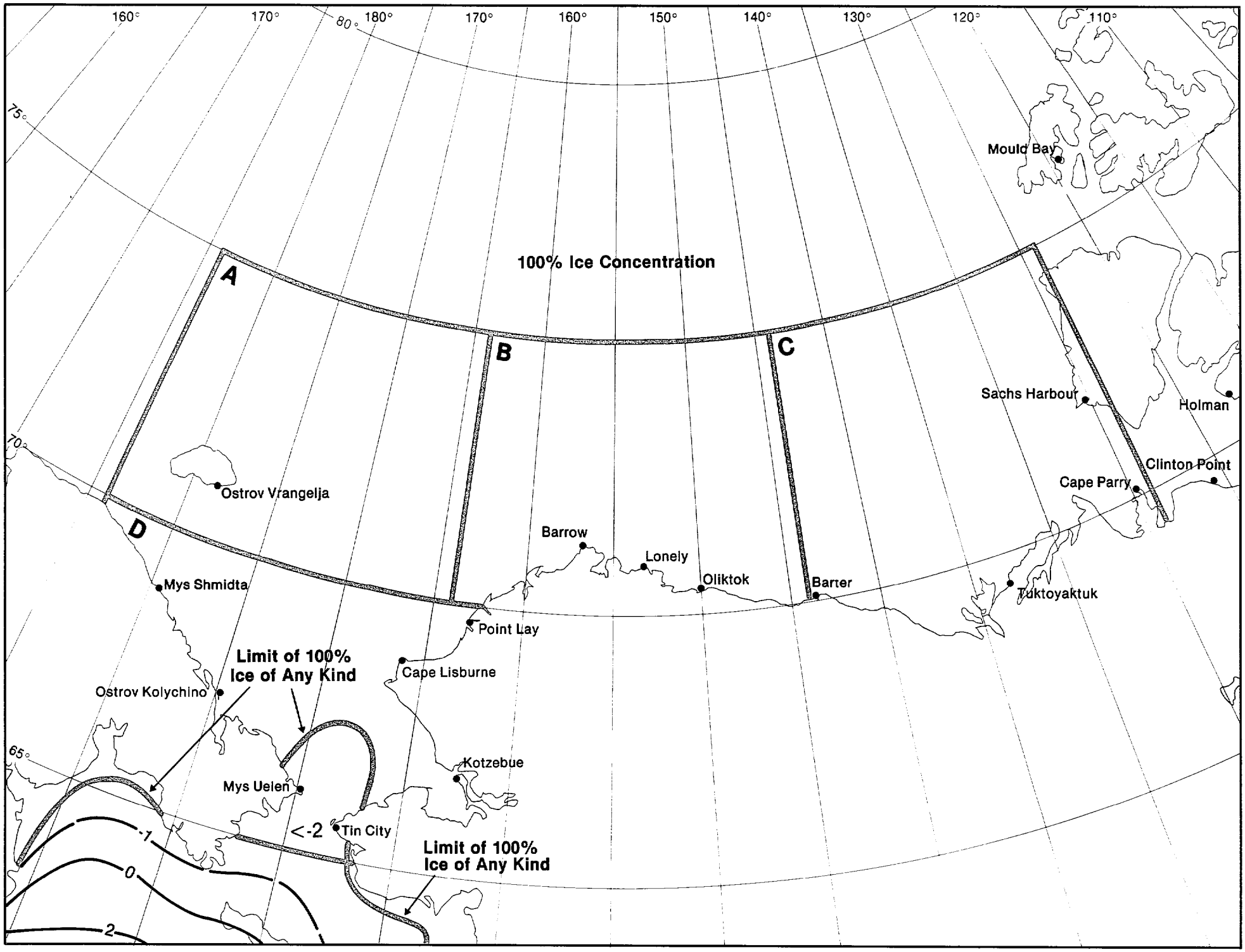
16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

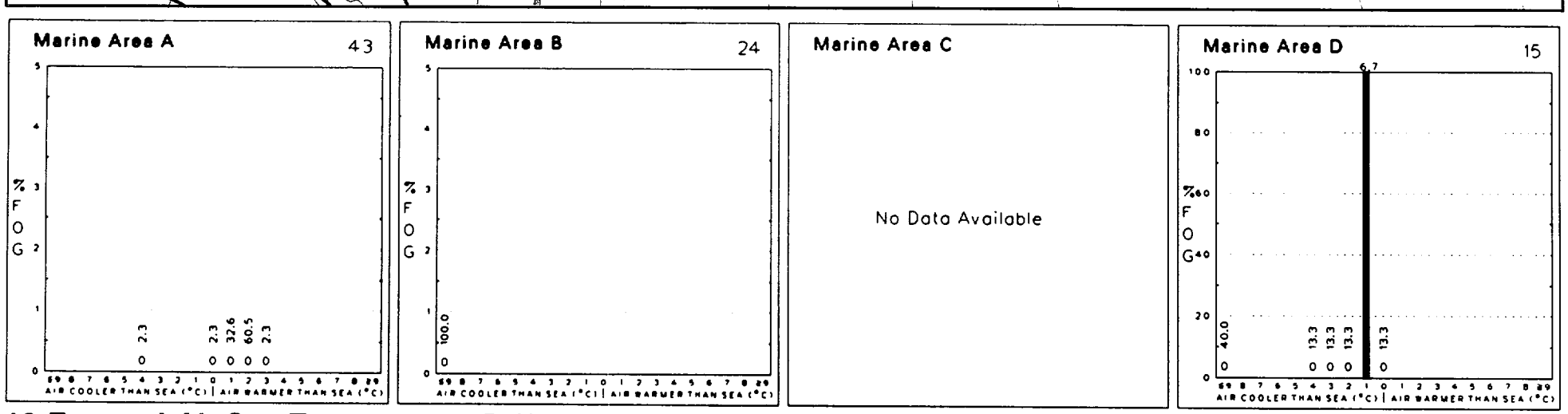
October



November

16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes





16 Fog and Air-Sea Temperature Difference
Sea Surface Temperature Extremes

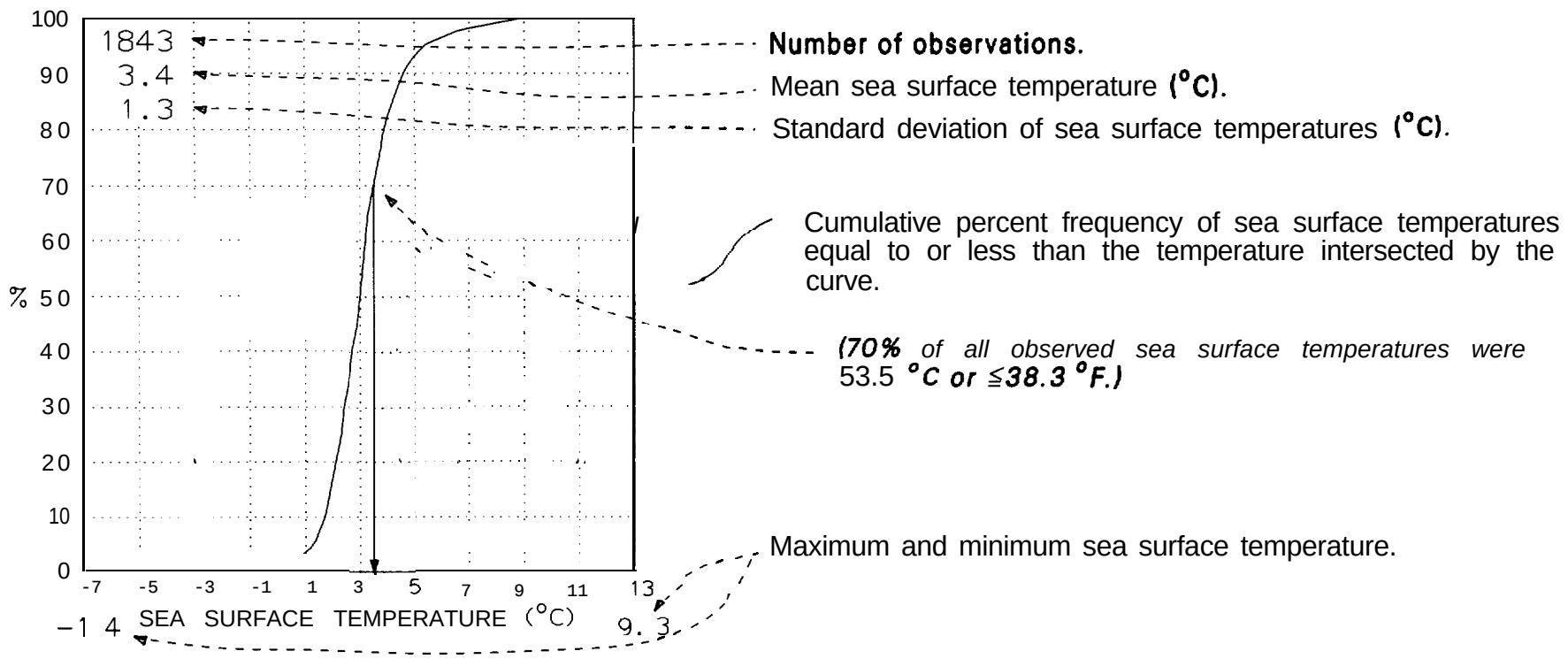
Map 17. Mean sea surface temperature and ice concentration of any kind.

BLACK LINE – Mean sea surface temperature (°C).

BLUE LINE – Percent frequency of occurrence of ice of any kind.

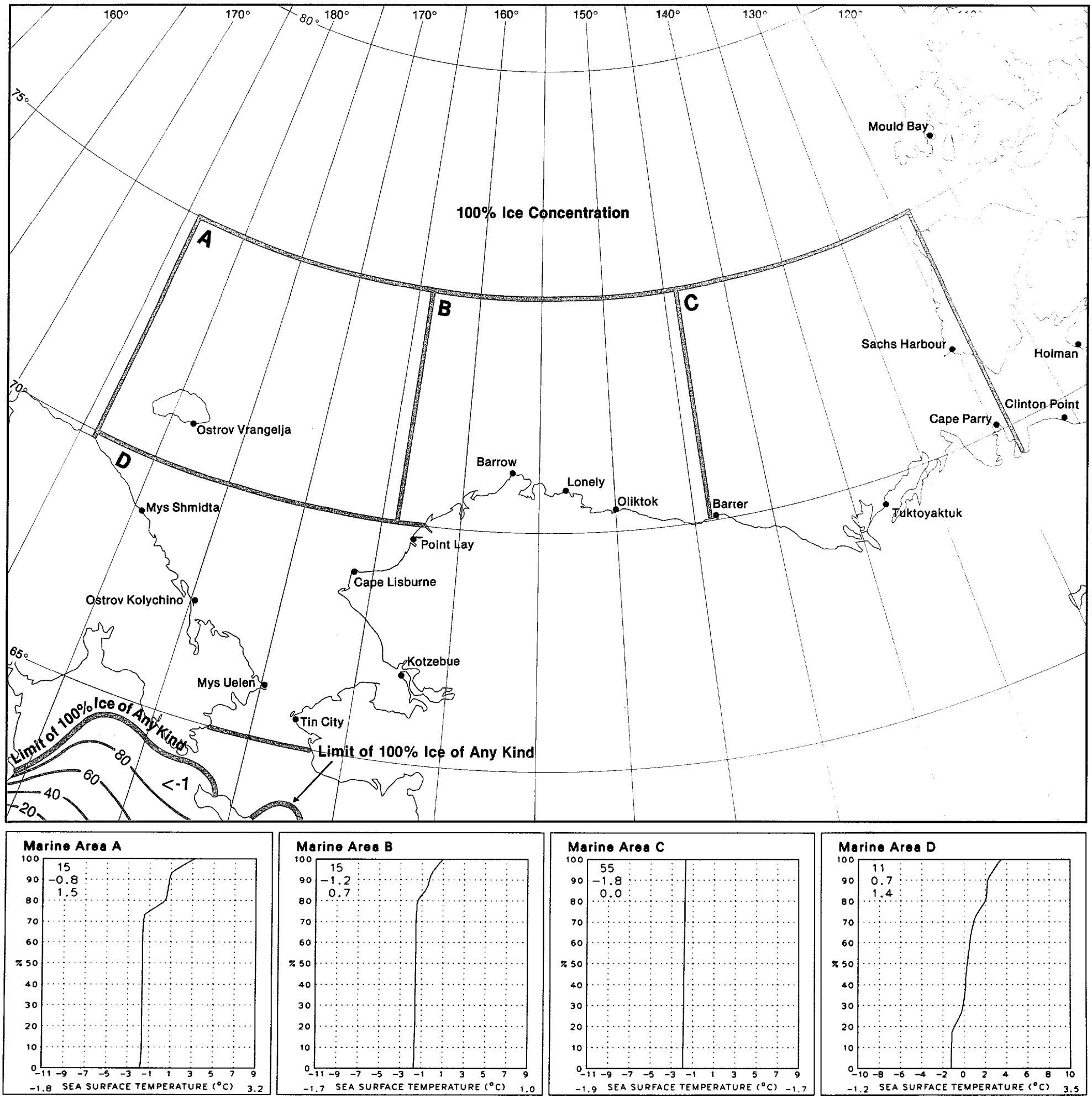
Albers Equal-Area Conic Projection

Graphs: Sea surface temperature



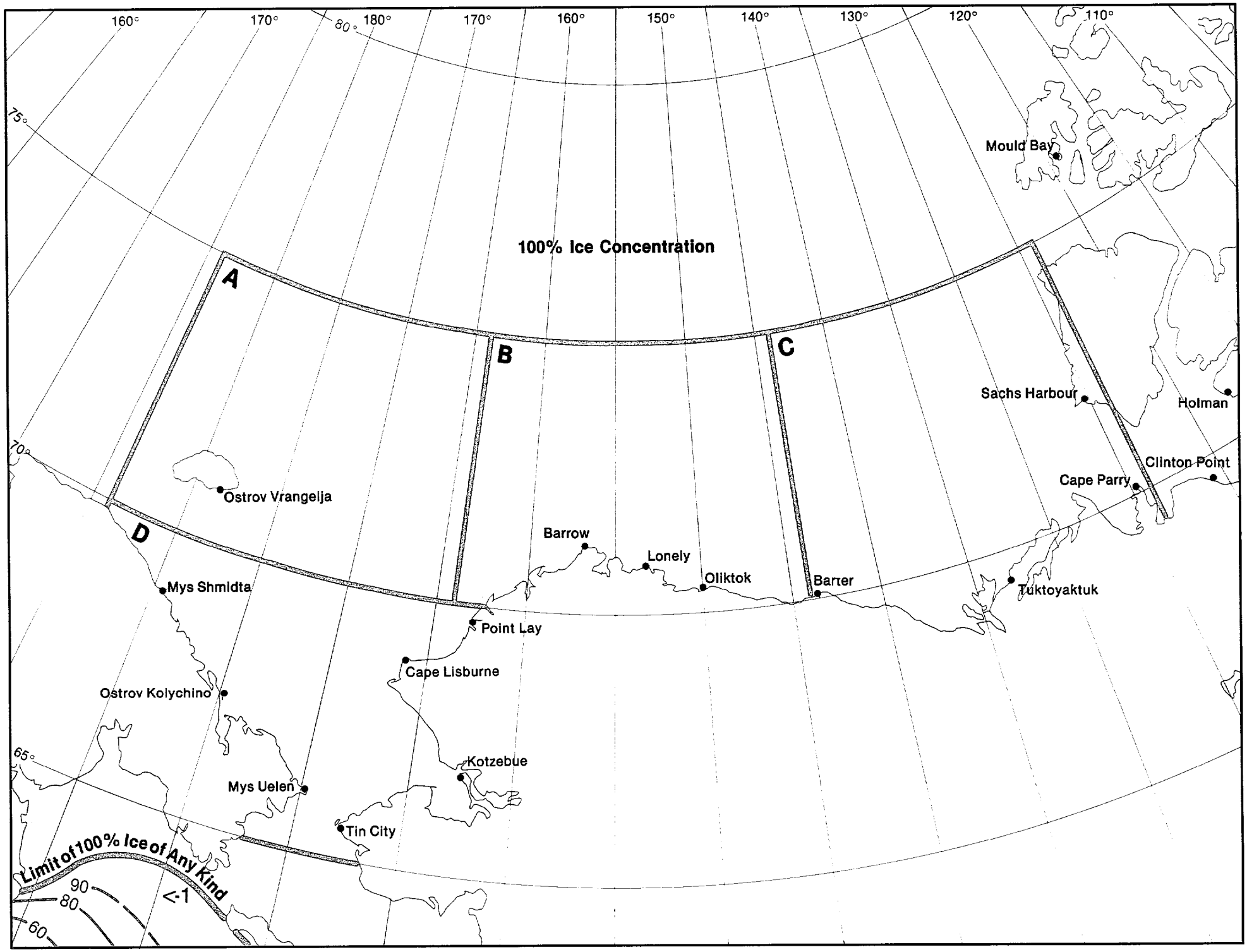
The percentage of temperatures greater than a given value can be obtained from the graph by subtracting the cumulative frequency of that value from 100%. Sea surface temperatures may be used to estimate the length of time a person in ordinary clothes and life preserver may be expected to survive if washed overboard. The approximate survival time as a function of water temperature is shown in the following table (refer to the text in Section I of the atlas for information on immersion hypothermia, and to the introductory text in Section II for sea ice information).

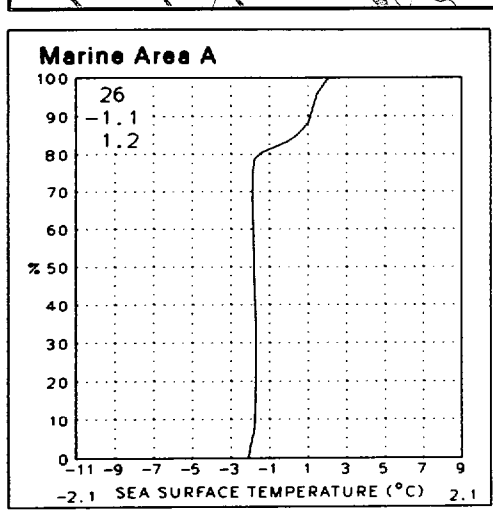
Water Temperature	Exhaustion or Unconsciousness	Expected time of Survival
0°C	15 min	15-45 min
0°—5°C	15-30 min	30-90 min
5°—10°C	30-60 min	I-3 hours
10°—15°C	I-2 hours	I-6 hours
15"-20 °C	2-7 hours	2-40 hours
20 "-25 °C	3-12 hours	3-indefinite hrs
25 °C	Indefinite	indefinite

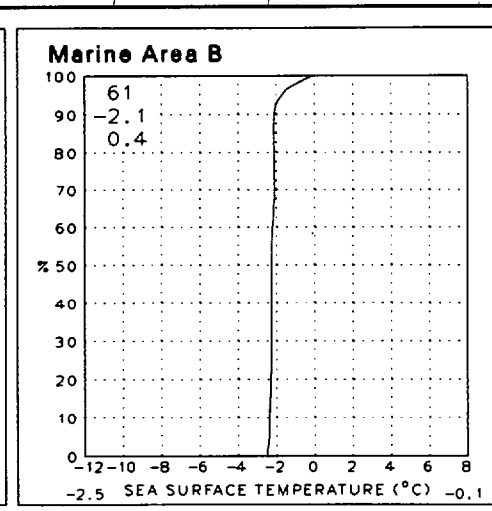


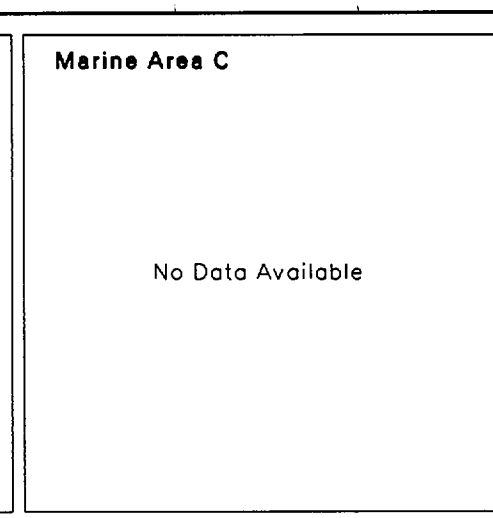
January

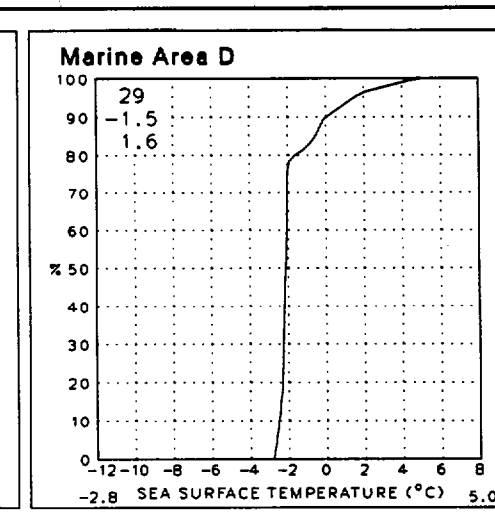
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind







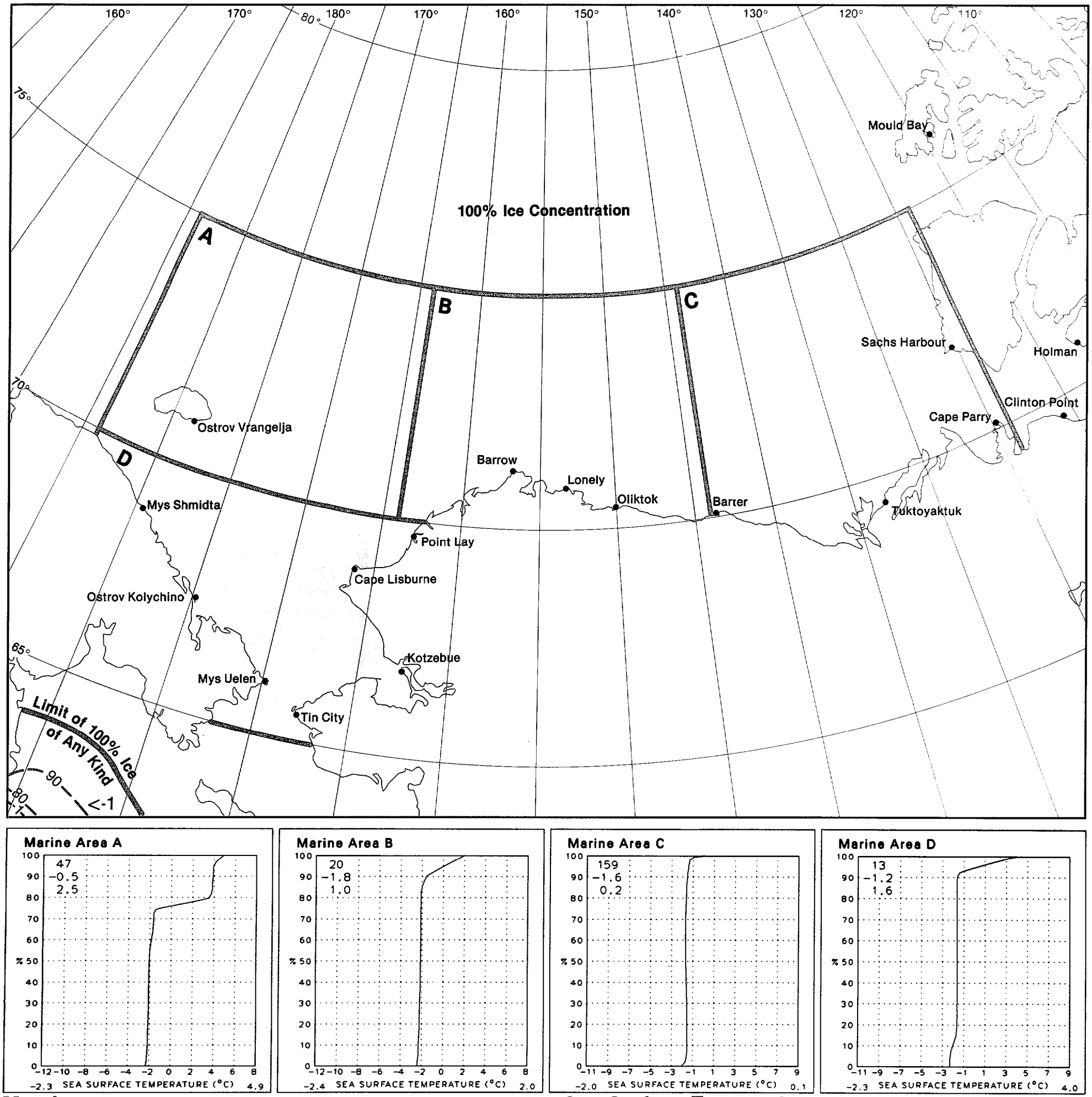




17 Sea Surface Temperature

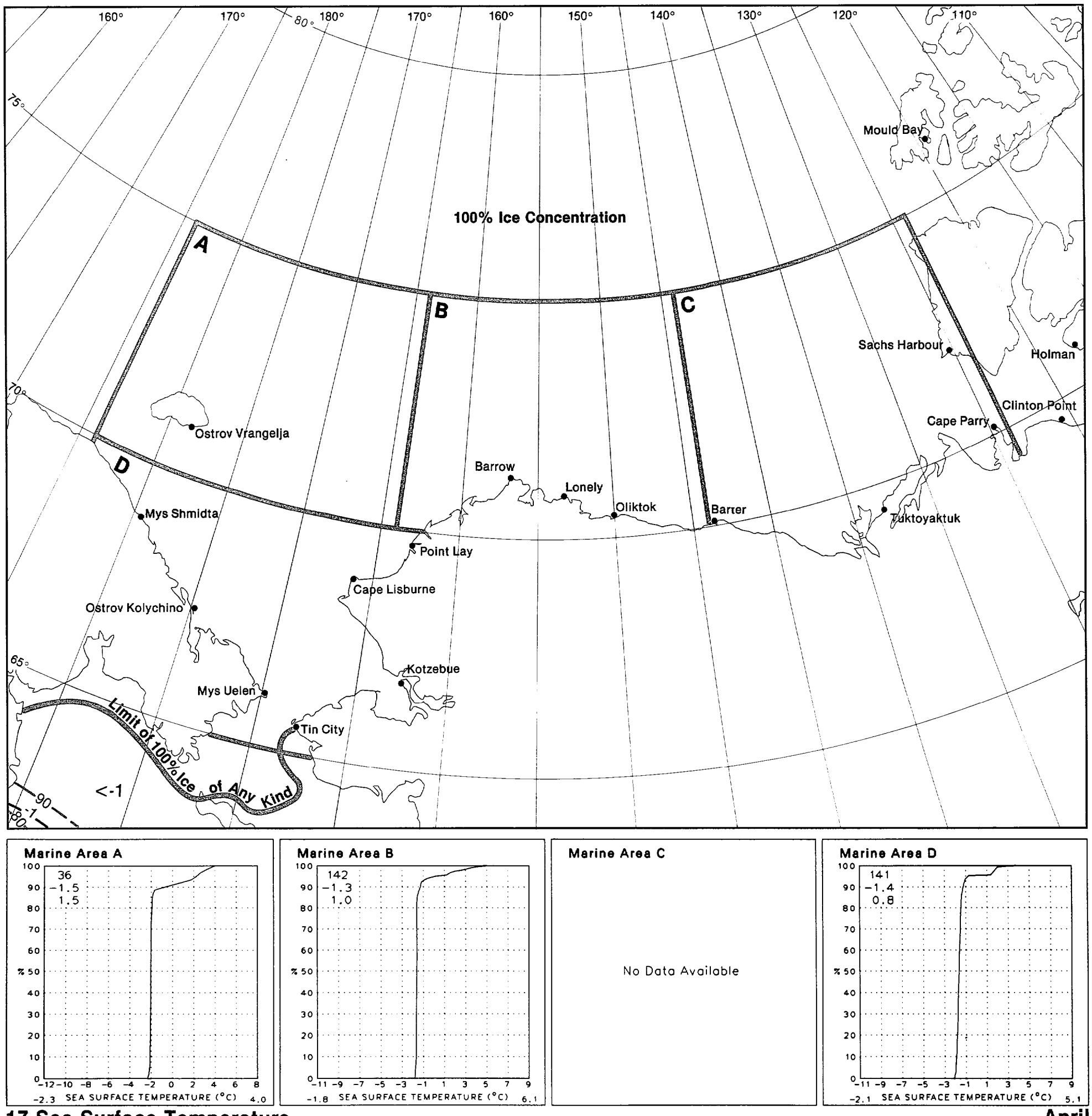
February

Mean Sea Surface Temperature and Ice of Any Kind



March

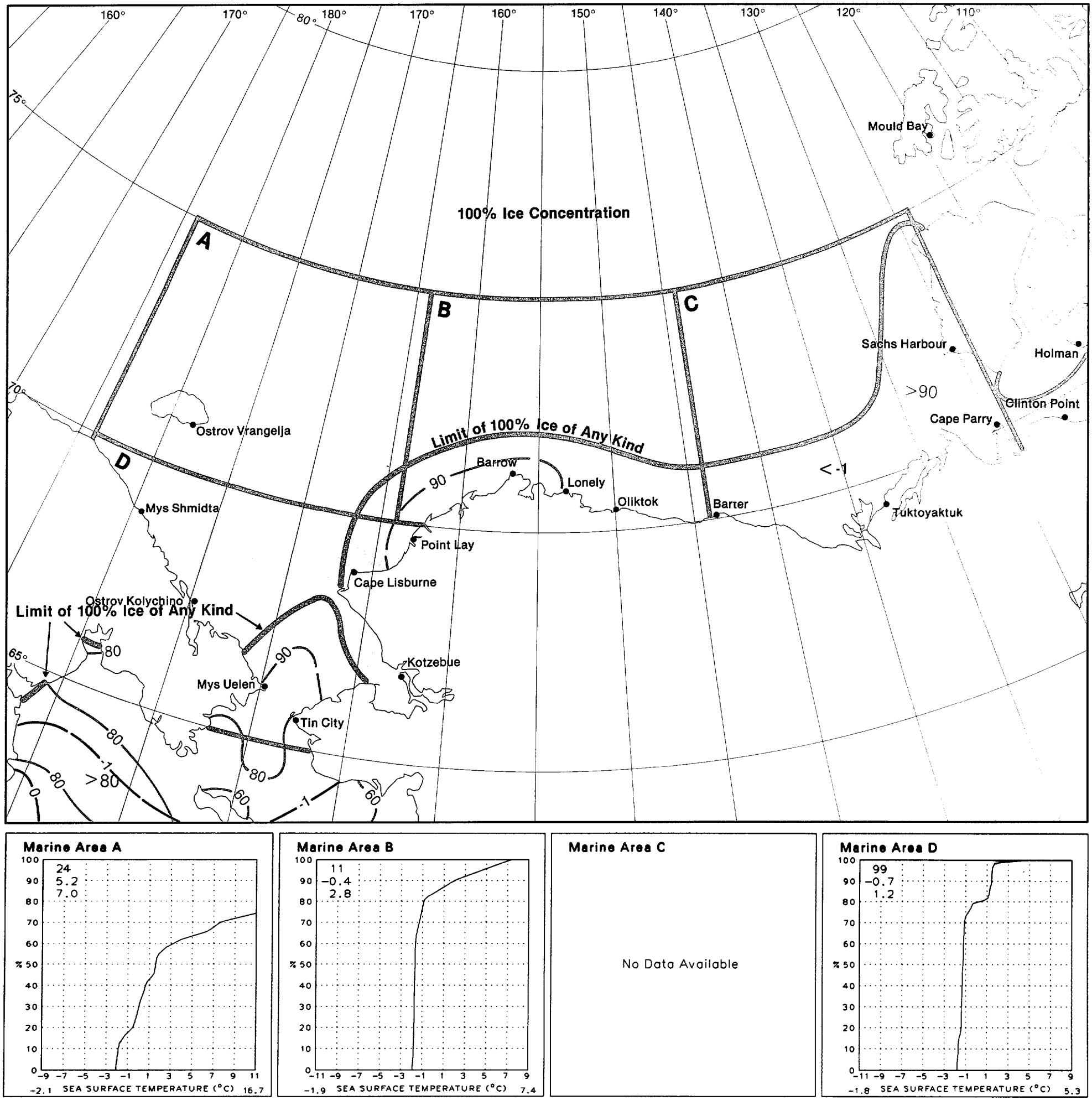
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind



17 Sea Surface Temperature

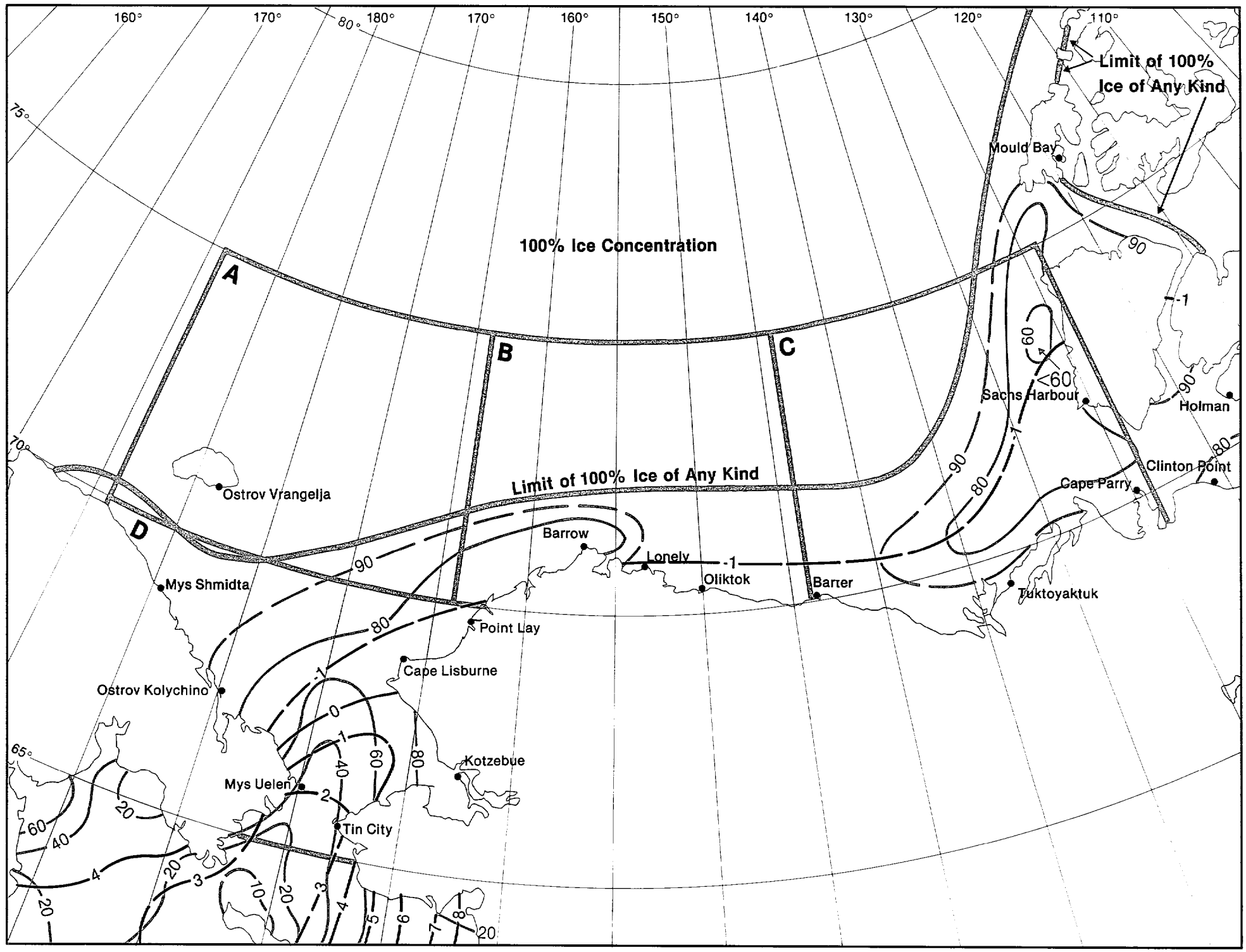
April

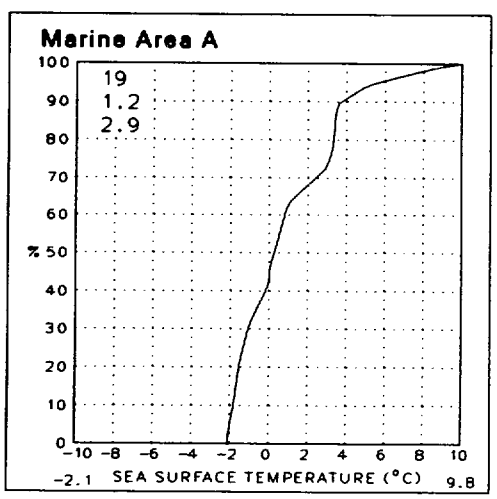
Mean Sea Surface Temperature and Ice of Any Kind

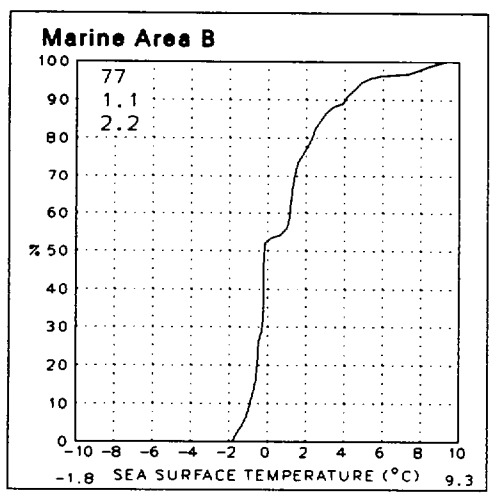


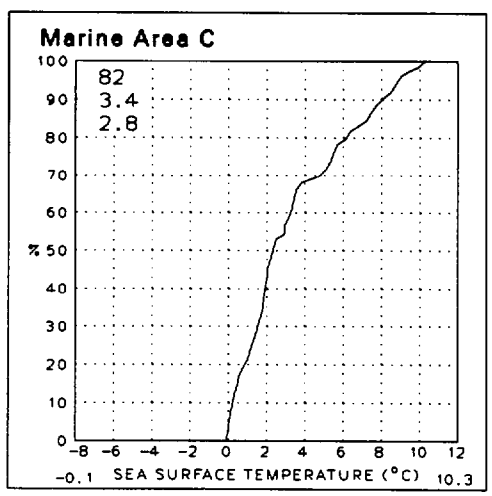
May

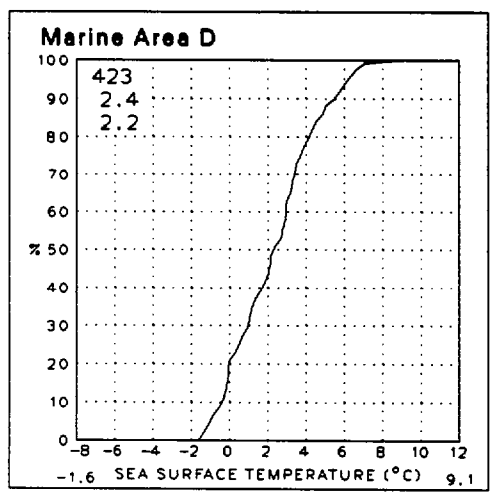
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind







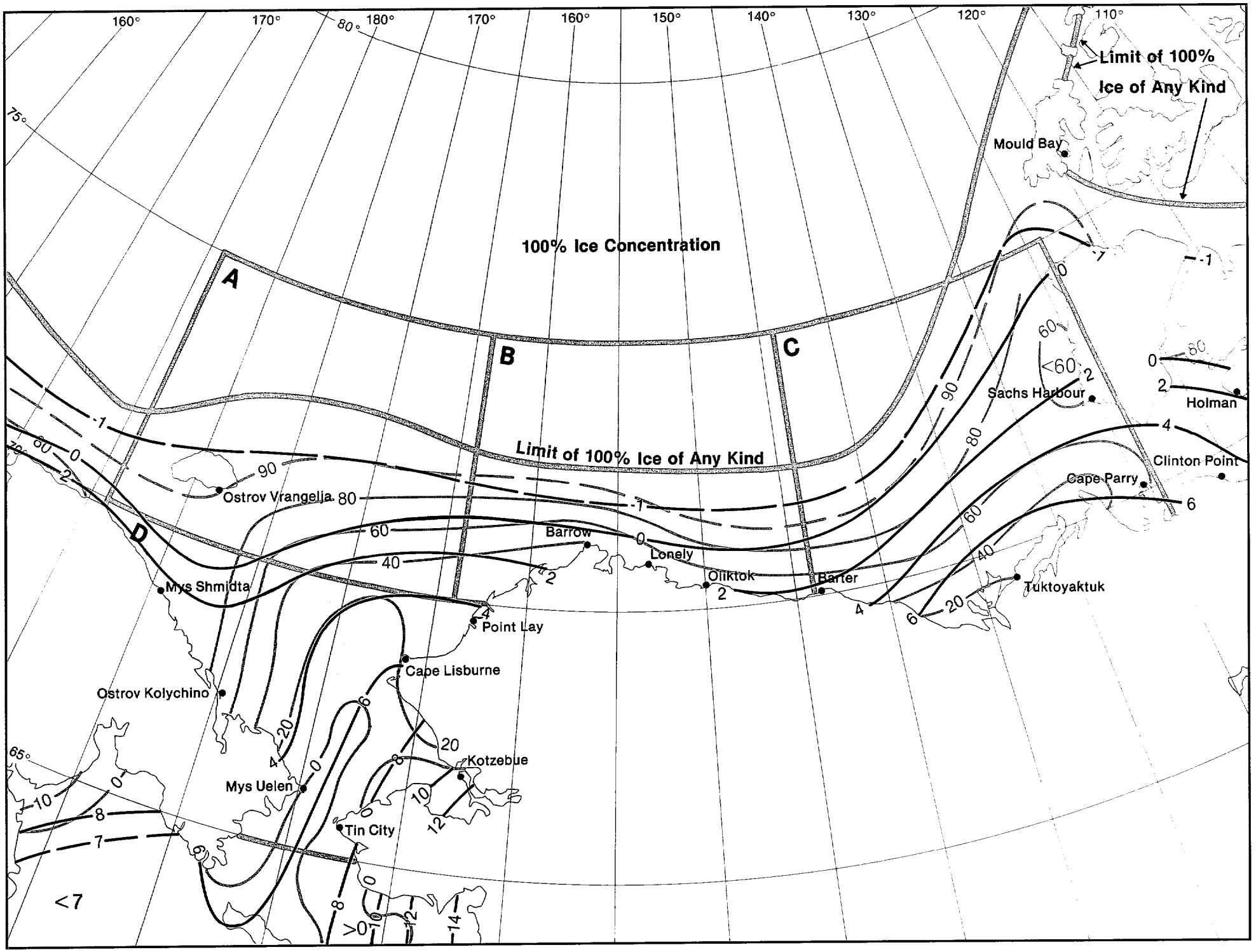


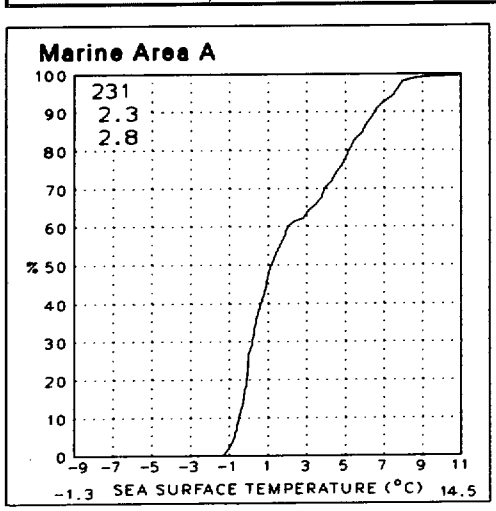


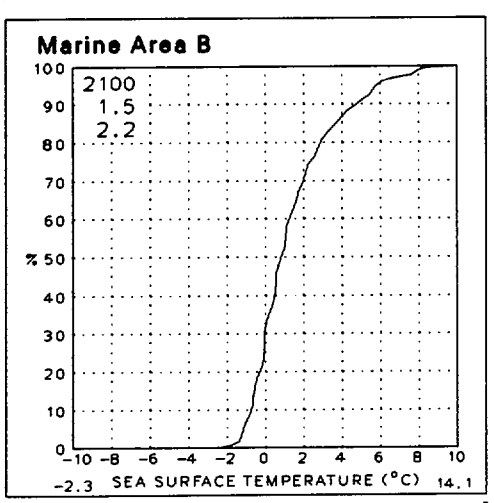
17 Sea Surface Temperature

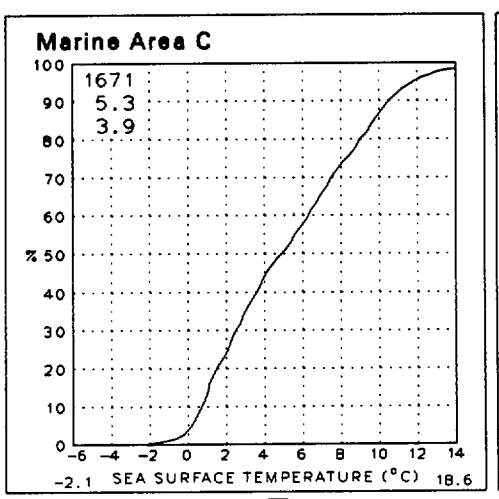
Mean Sea Surface Temperature and Ice of Any Kind

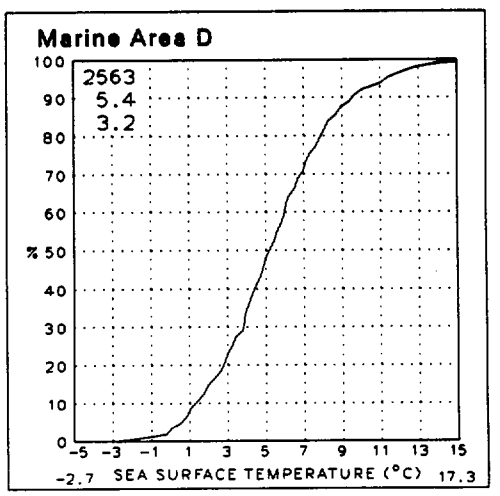
June





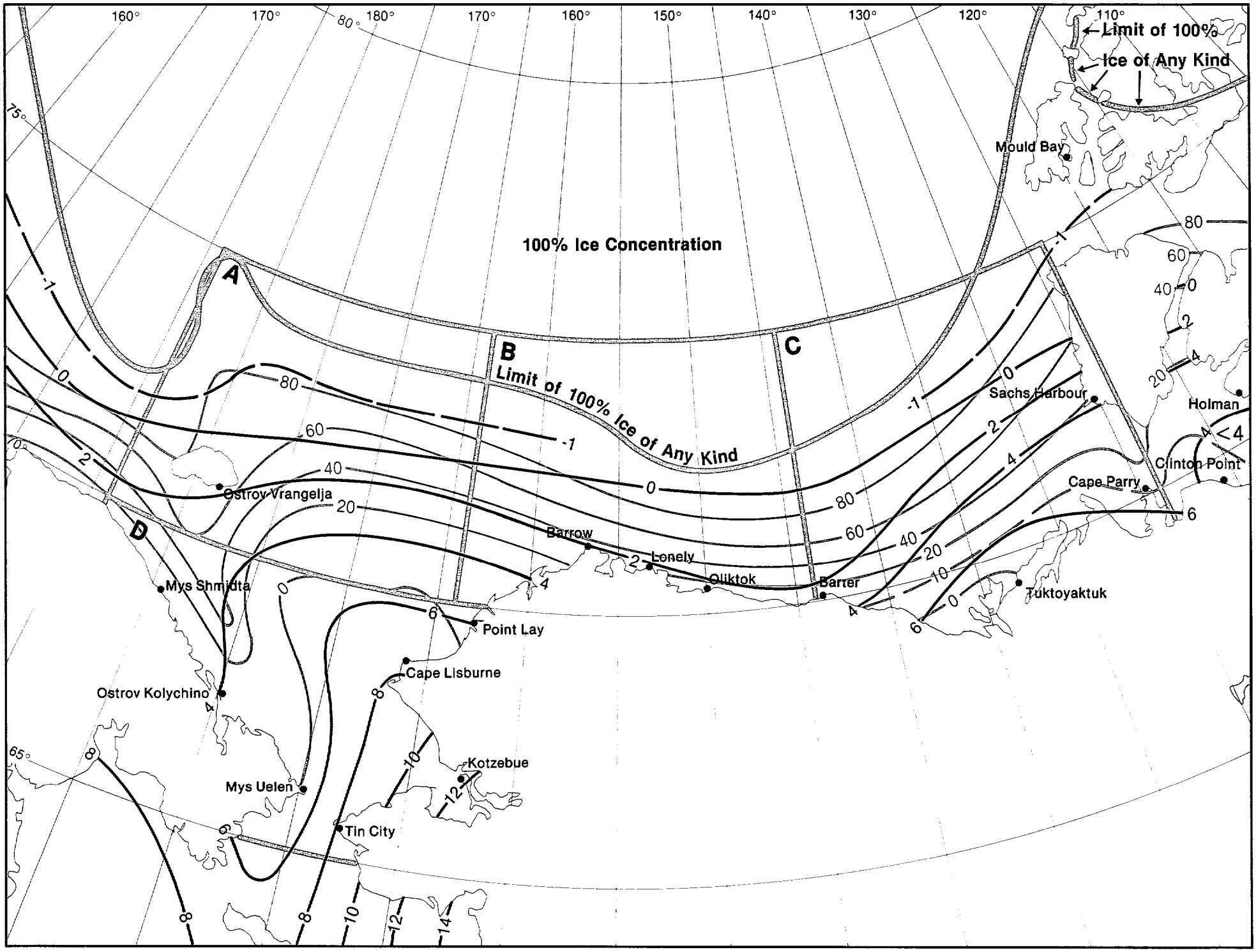


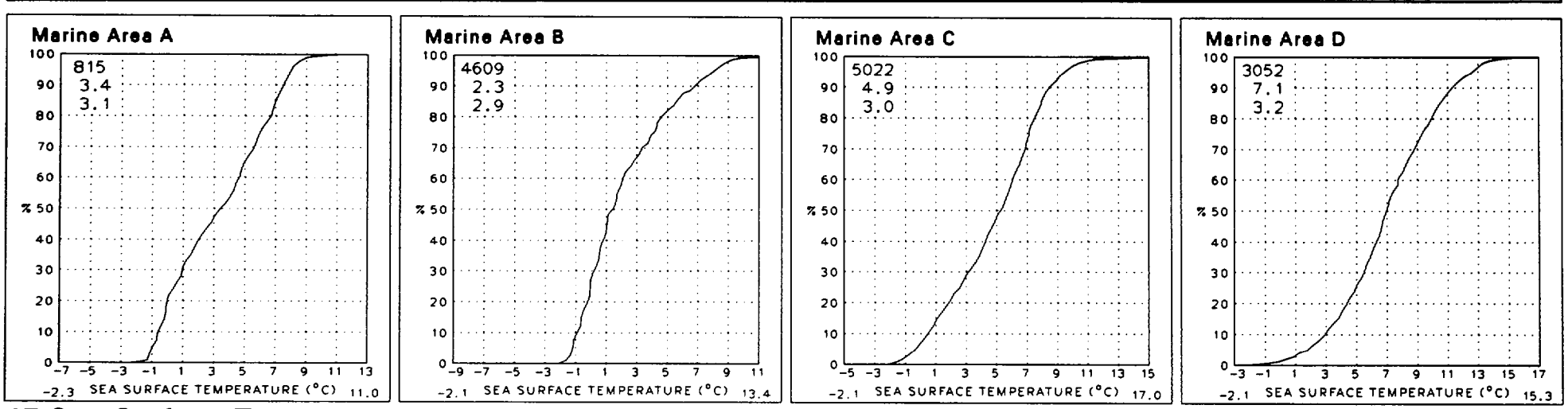




July

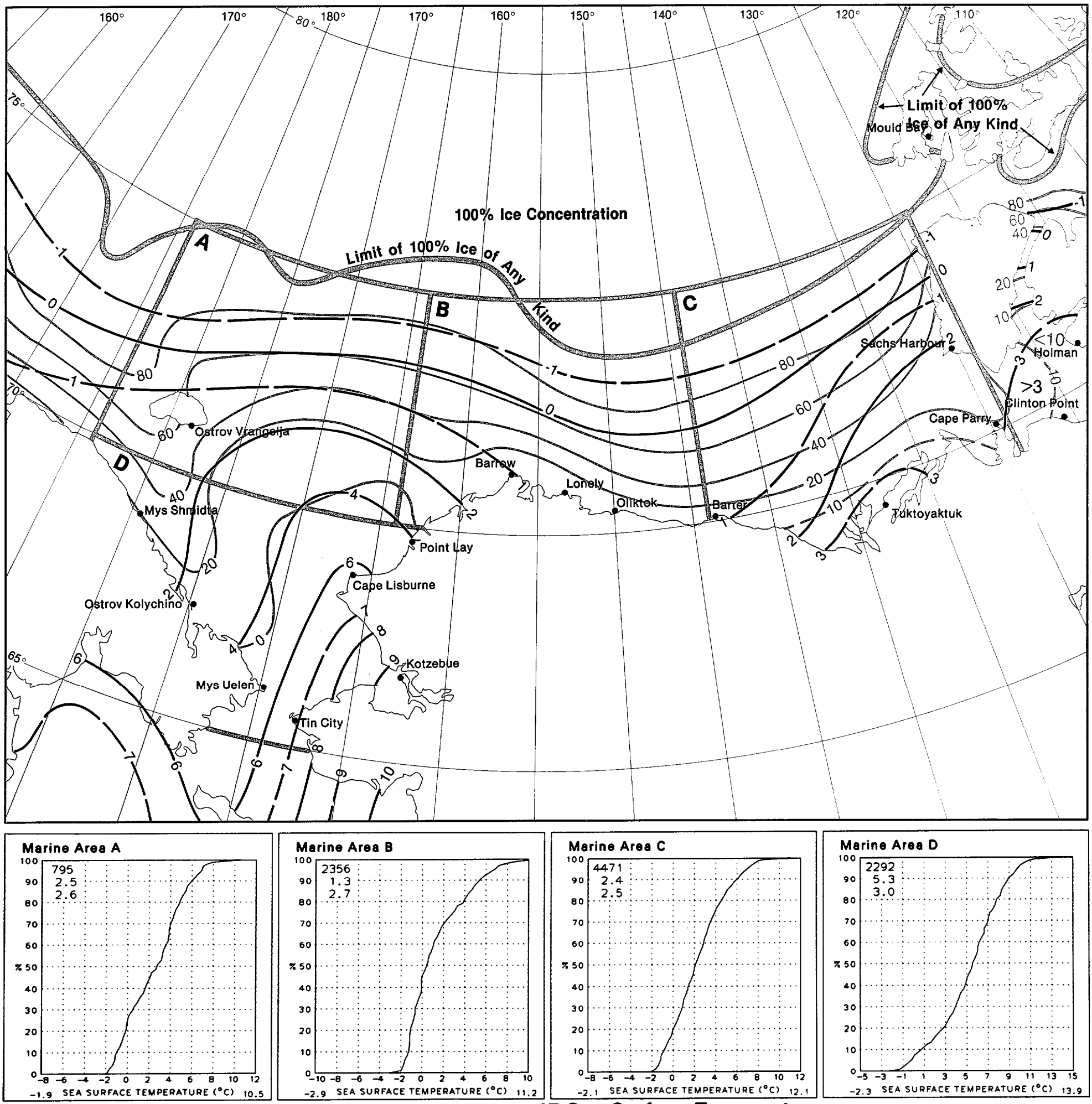
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind





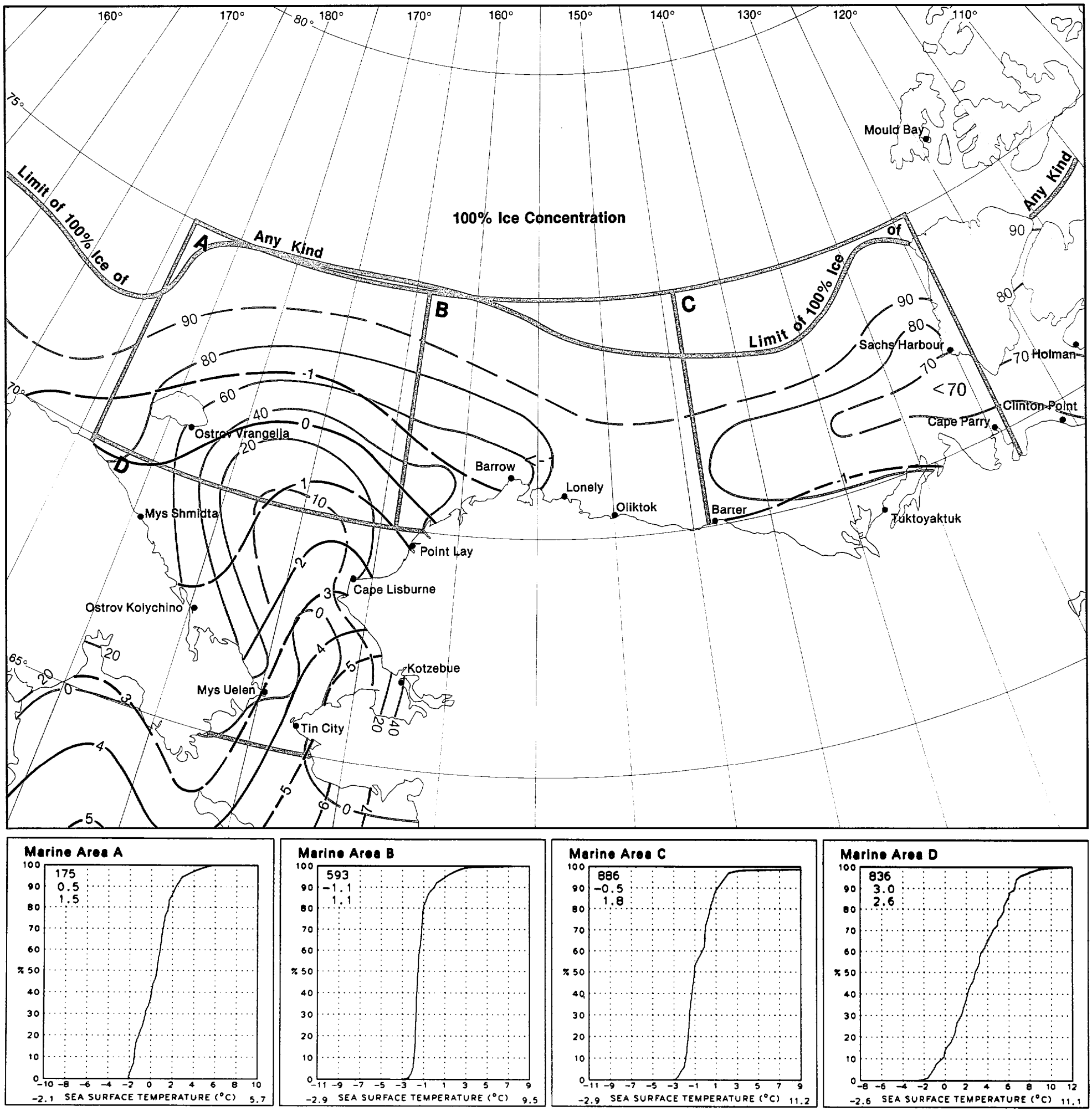
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind

August



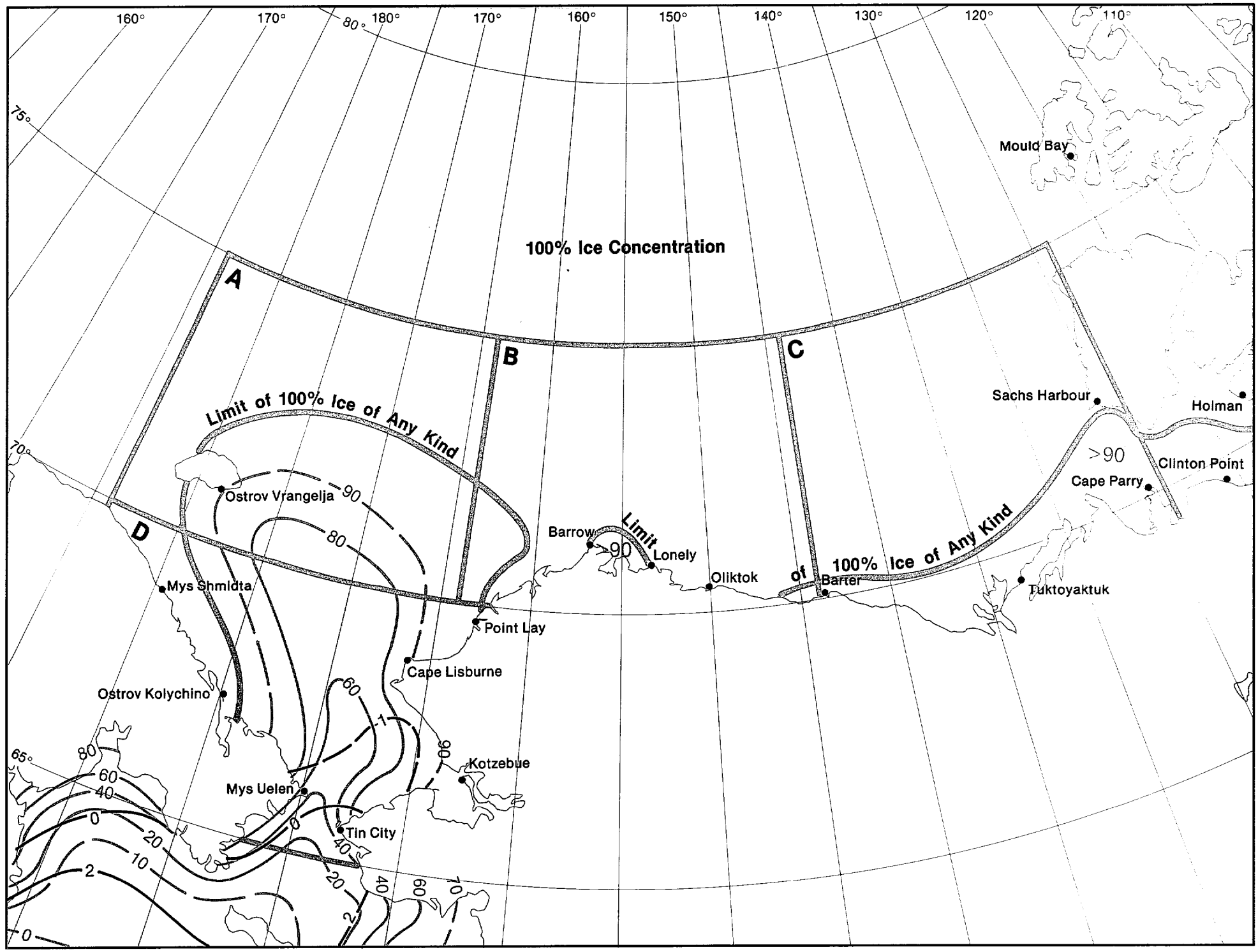
September

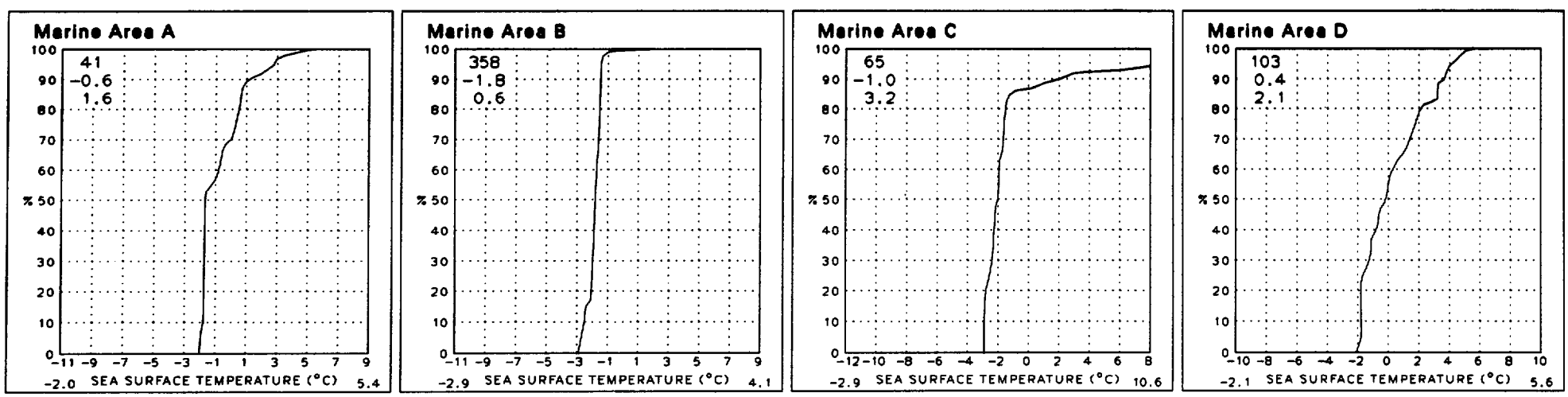
17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind



17 Sea Surface Temperature **October**

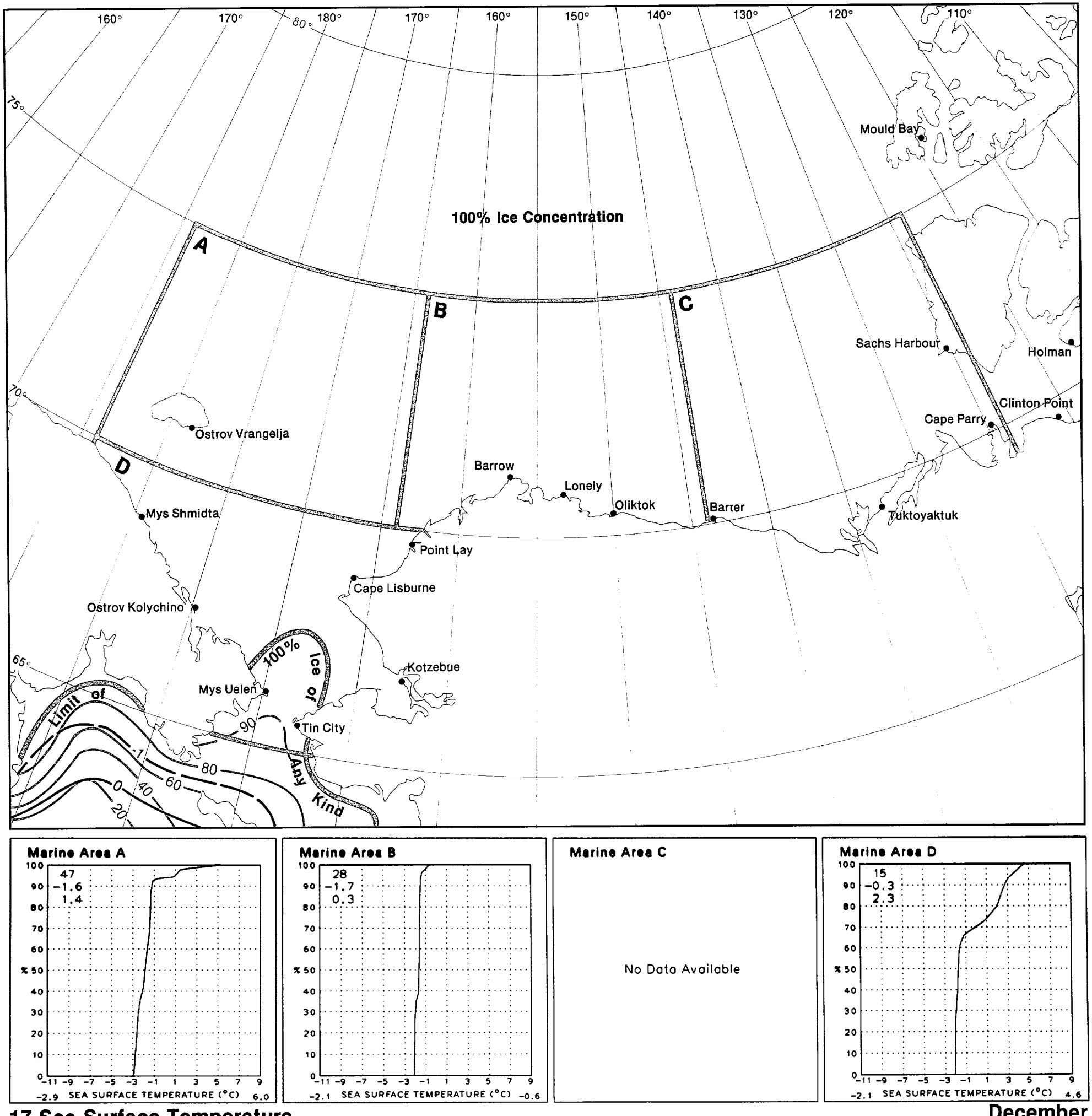
Mean Sea Surface Temperature and Ice of Any Kind





November

17 Sea Surface Temperature
Mean Sea Surface Temperature and Ice of Any Kind



17 Sea Surface Temperature

December

Mean Sea Surface Temperature and Ice of Any Kind

Map 18. Wave height ≦3 feet and ice concentration ≧5/10ths

BLACK LINE – Percent frequency of wave height ≦3 **feet (1 meter).**

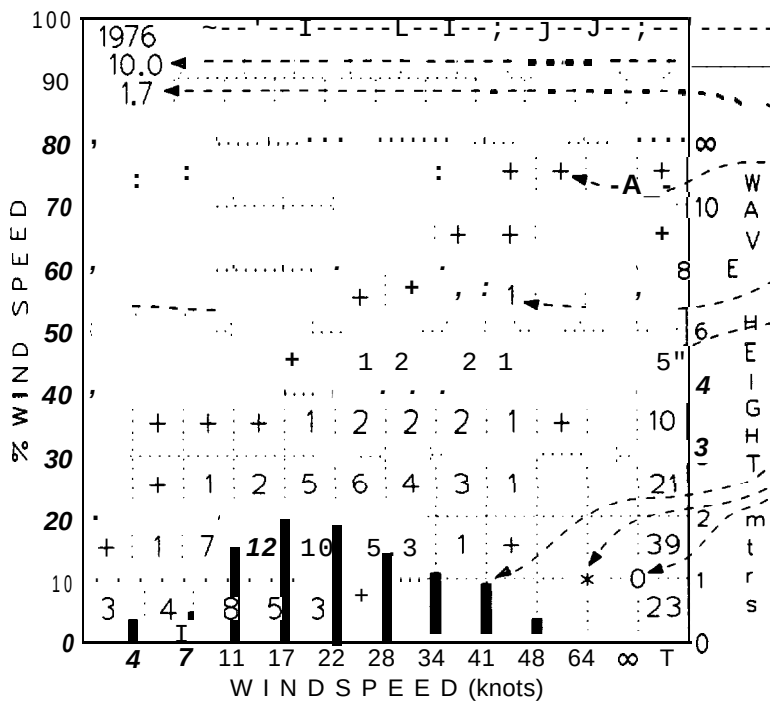
BLUE LINE – Percent frequency of ice concentration ≧5/10ths.

Albers Equal-Area Conic Projection

Graphs: Wave height/wind speed

Wind speed frequency: Bars are percentages for each wind speed category.

Wave height frequency: Numbers are percentages of wave height for various wind speeds.



Number of observations.

Scalar mean wind speed (knots).

Mean wave height (meters).

+ indicates <.5% but >0.

(1% of the winds were ≧41 but <48 knots with wave heights ≧6 but <8 meters.)

(5% of the wave heights were ≧4 but <6 meters.)

(9% of the wind speeds were ≧34 but <41 knots.)

∗ replaces bar when percent is <.5% but >0.

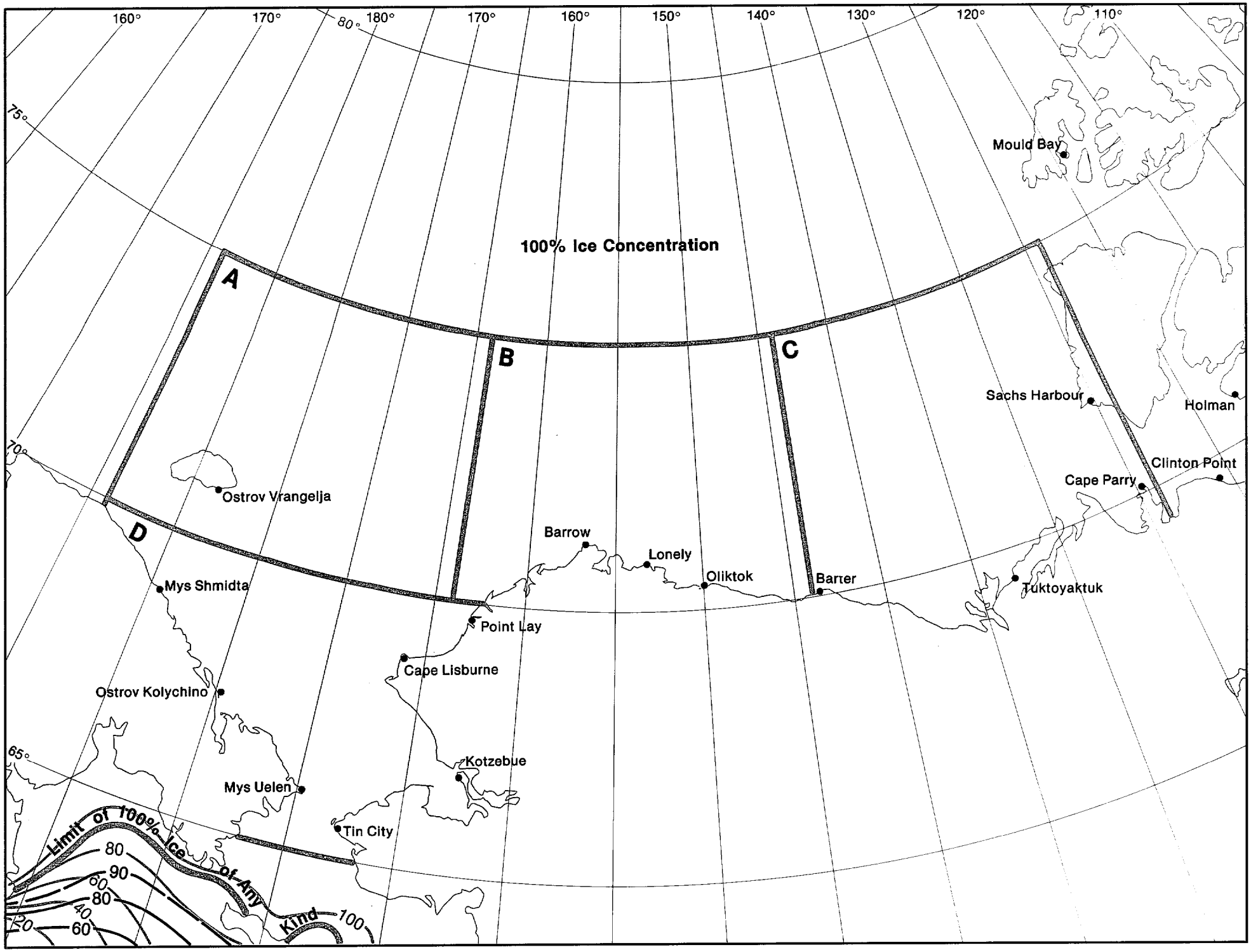
0 replaces bar when no wind speeds in the category were observed.

T=wave height category totals. ∞=≧64 knots or ≧10 meters.

Meters	1	2	3	4	6	8	10
Feet	3.2	6.6	9.8	13.1	19.7	26.2	32.8

Wave heights have been recorded in a consistent quantitative code only since the late 1940's. The reluctance of many observers to take wave observations in the earlier years and the difficulty in estimating waves, especially in confused seas, make wave observations one of the least commonly observed elements. The observations are also subject to biases in wave characteristics. A correction factor of approximately 10% was suggested by Hogben and Lumb (1967) and has been verified by preliminary work at NCDC where Quayle (1980) found that generally the heights are too low, the periods too short, and sea-swell discrimination poor. The data in this study have not been adjusted for the suspected biases. The marine observations were processed through quality control procedure where an internal check was made between wind speed and sea height. The sea and swell data were then arrayed and suspicious outliers deleted. The higher of the sea wave or swell was selected for summarization. If the heights were equal, the wave with the longer period was selected.

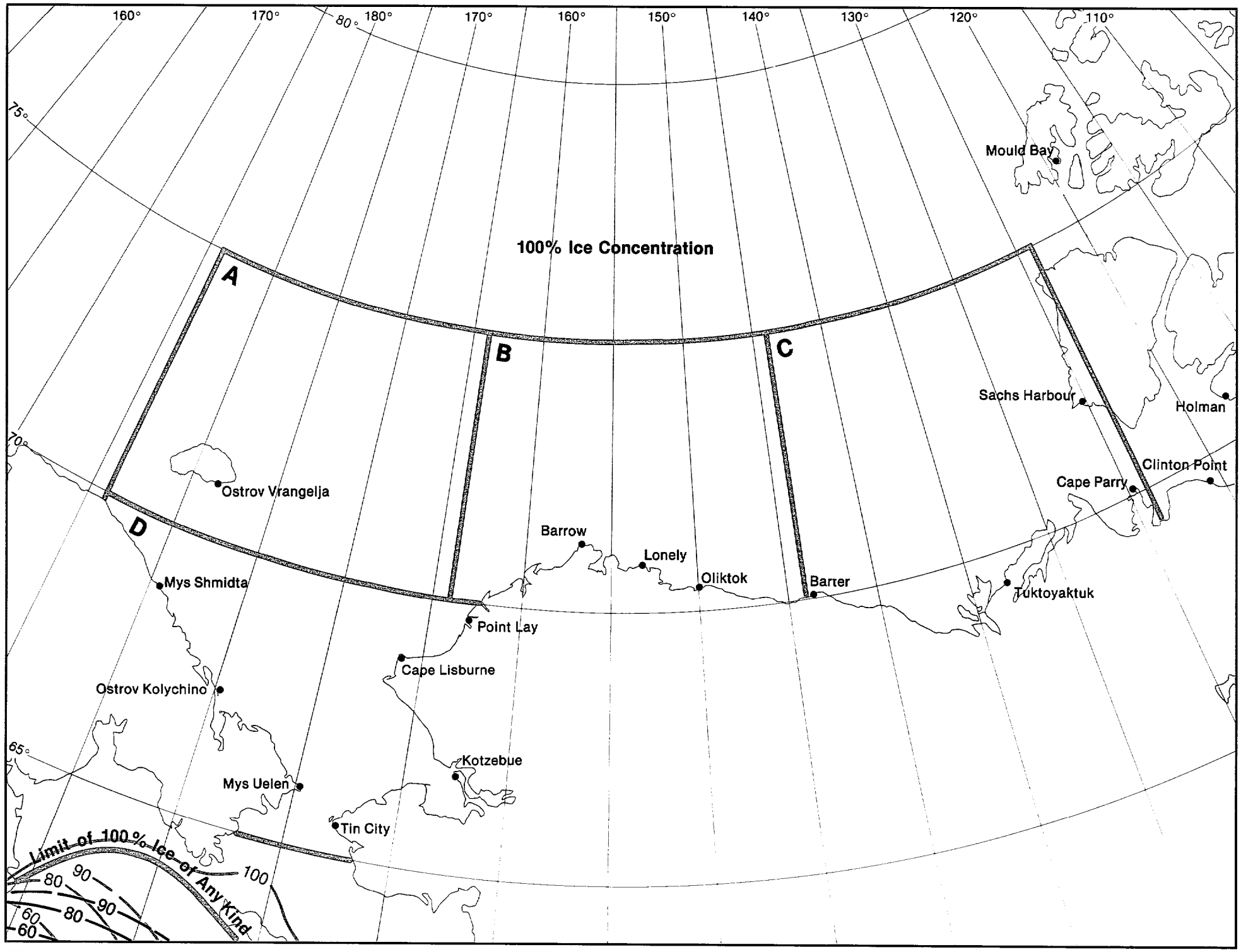
Wave height isopleth presentations in Sets 18 and 19 are for a generally nonhazardous sea condition; i.e., wave heights less than 3 feet and 8 feet, respectively. Isopleth presentations in Set 20 define much more hazardous sea conditions; i.e., wave heights equal to or greater than 12 and 20 feet. Refer to the texts of Sets 14 and 18-21 for complete information on waves, and to the introductory text of Section II for sea ice information.



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

January

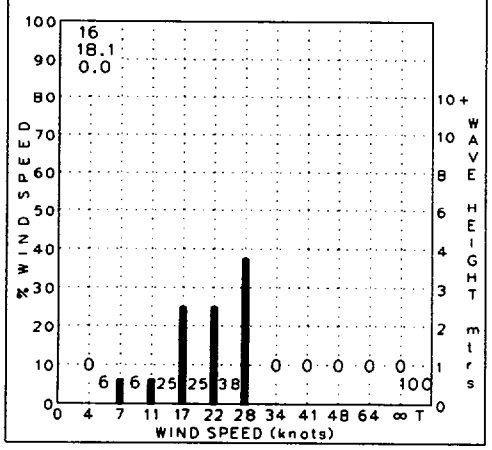
18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths



Marine Area A

No Data Available

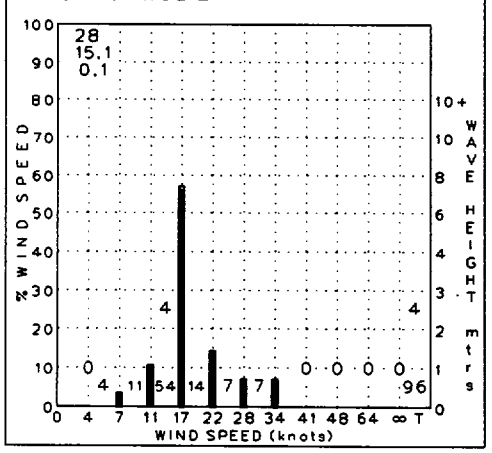
Marine Area B



Marine Area C

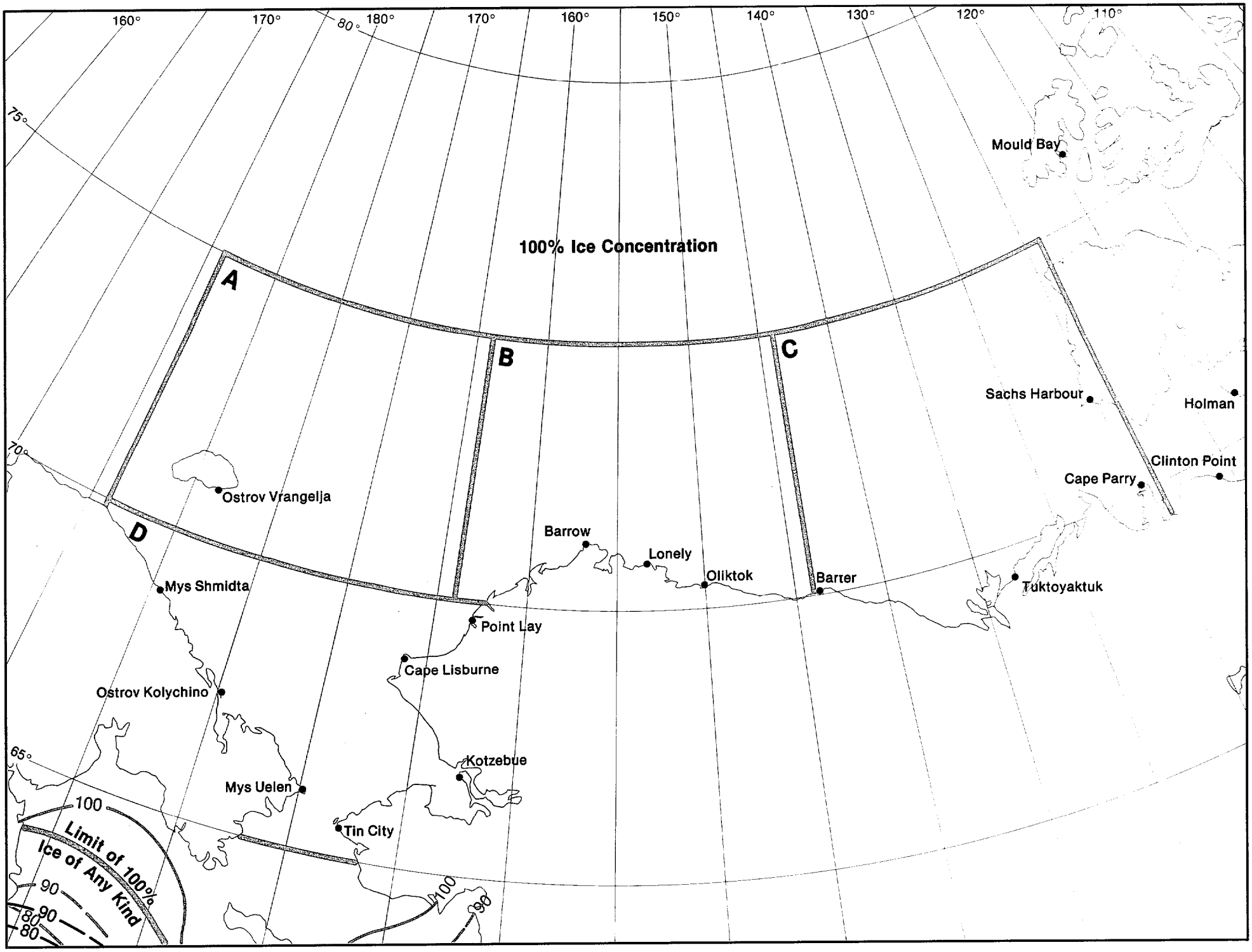
No Data Available

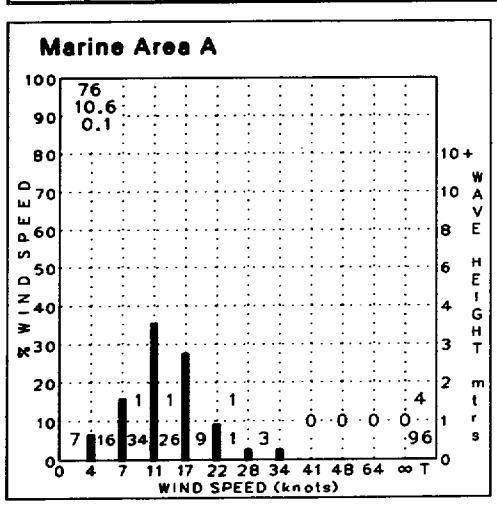
Marine Area D

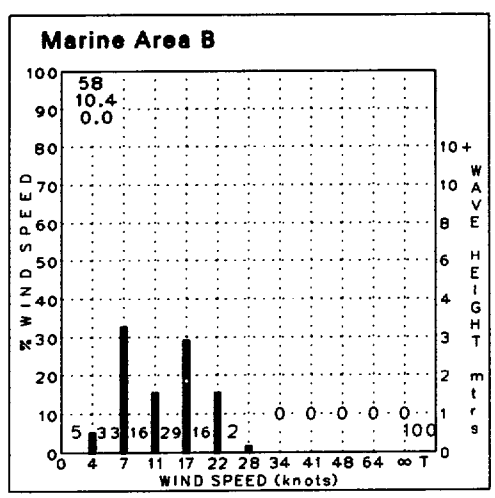


18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

February

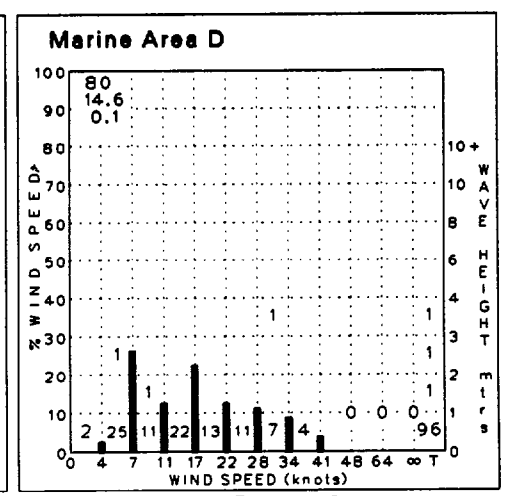






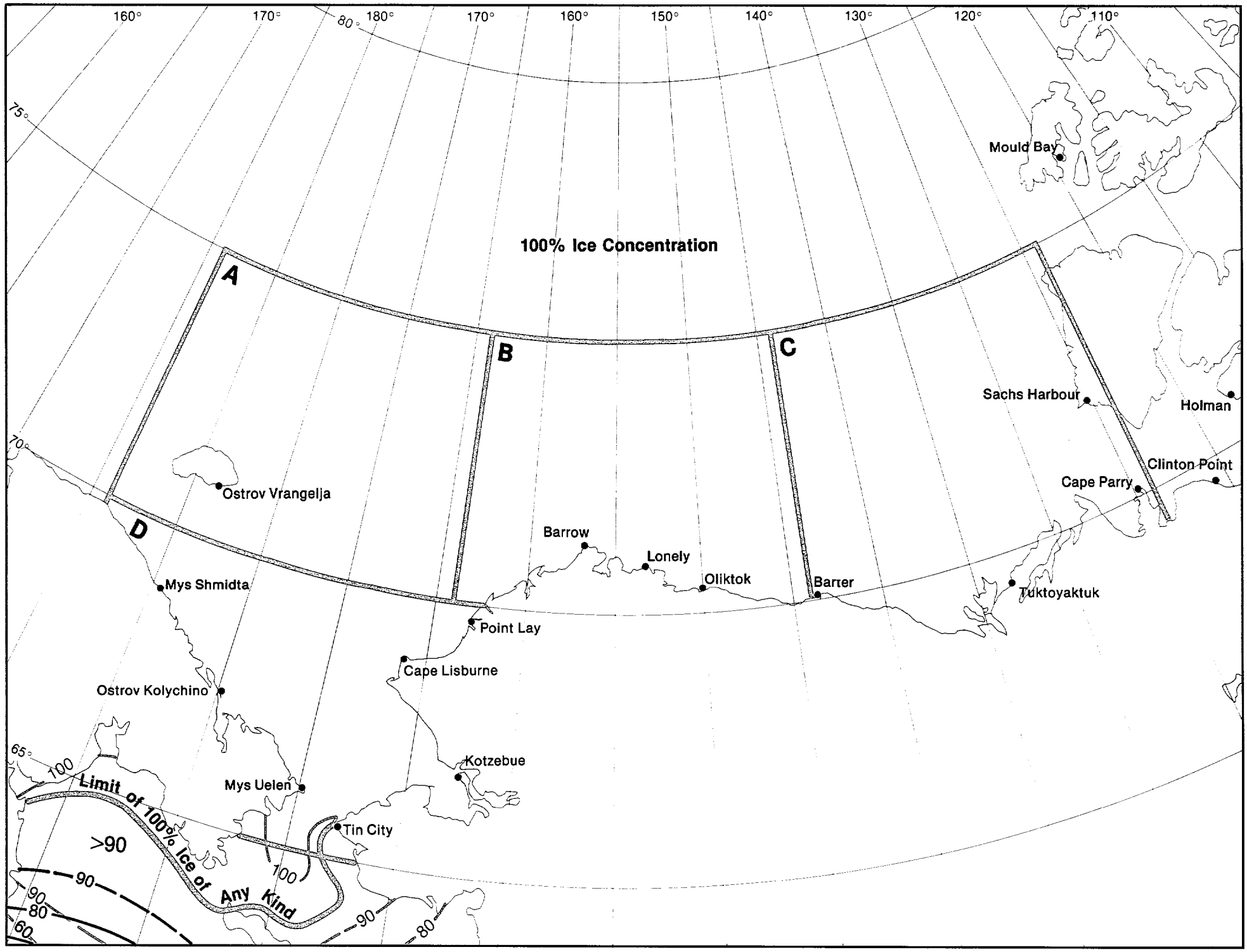
Marine Area C

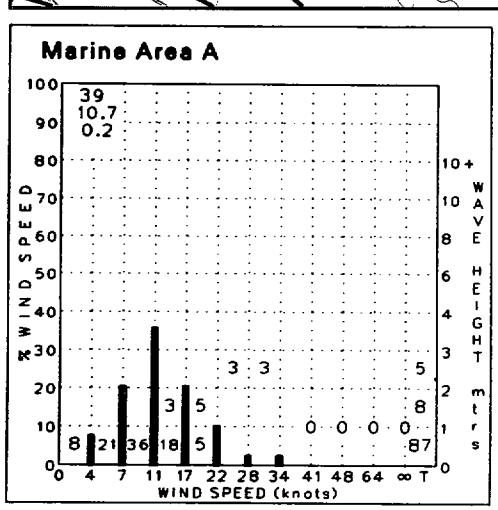
No Data Available

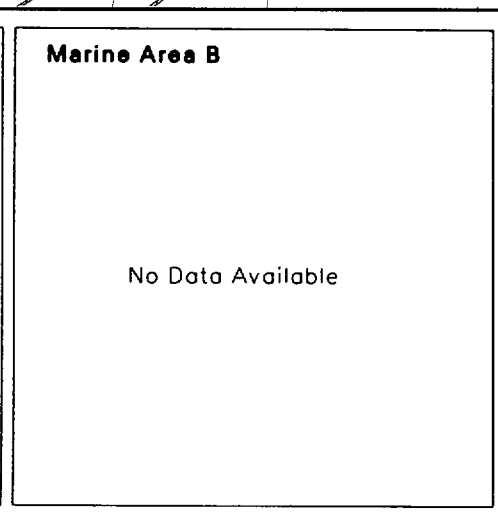


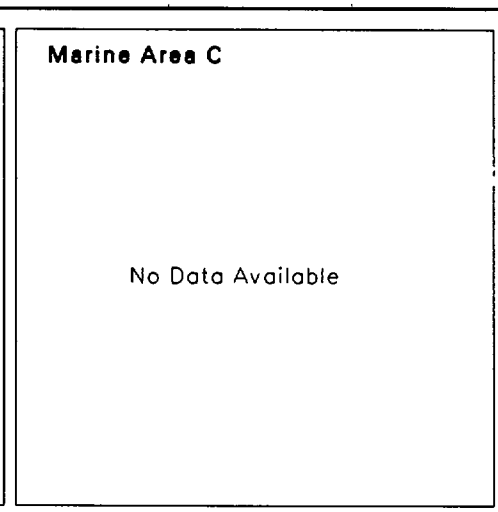
March

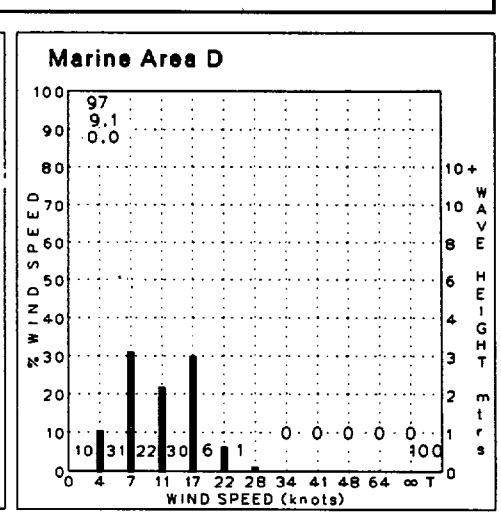
18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths











18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

April

100% Ice Concentration

A

B

C

D

Mould Bay

Sachs Harbour

Holman

Clinton Point

Cape Parry

Limit of 100% Ice of Any Kind

Limit of 100% Ice of Any Kind

Ostrov Vrangelja

Barrow

Lonely

Oliktok

Barter

Tuktoyaktuk

Mys Shmidta

Point Lay

Cape Lisburne

Limit of 100% Ice of Any Kind

Ostrov Kolychino

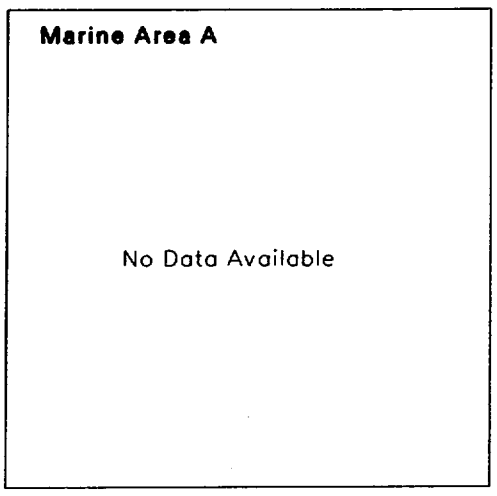
Kotzebue

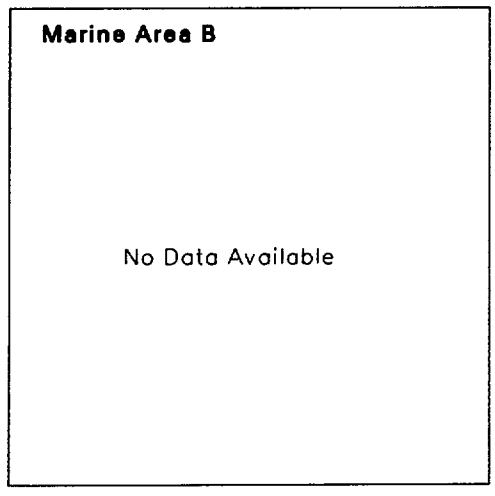
Mys Uelen

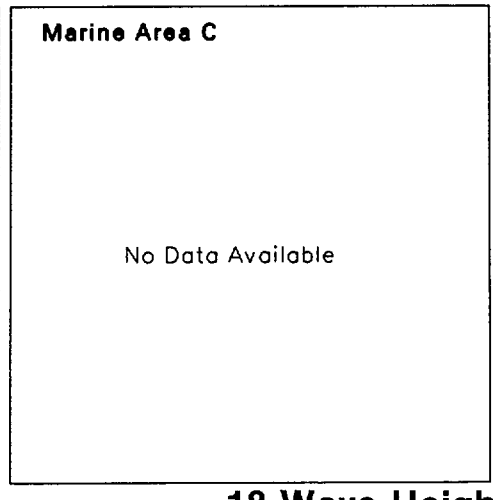
Tin City

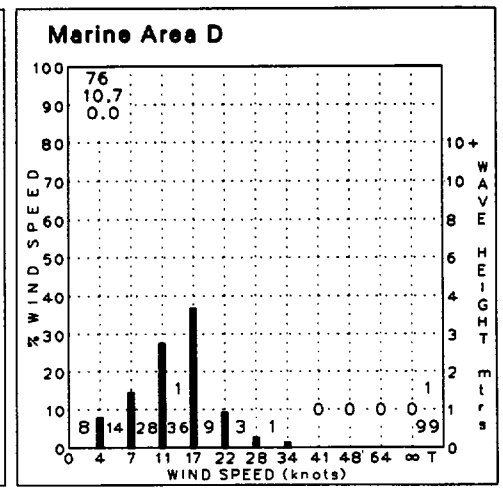
>90

>70



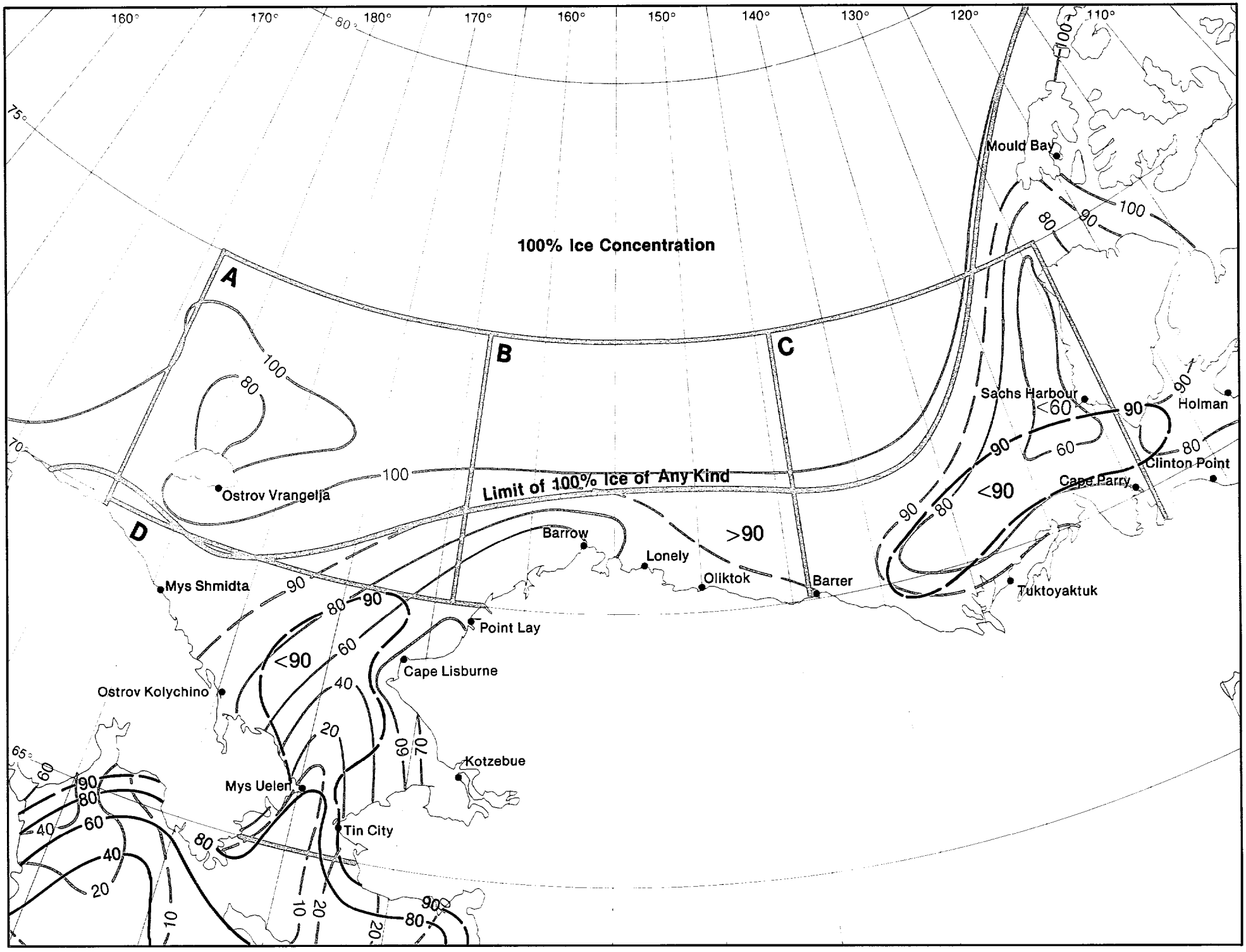






May

18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths



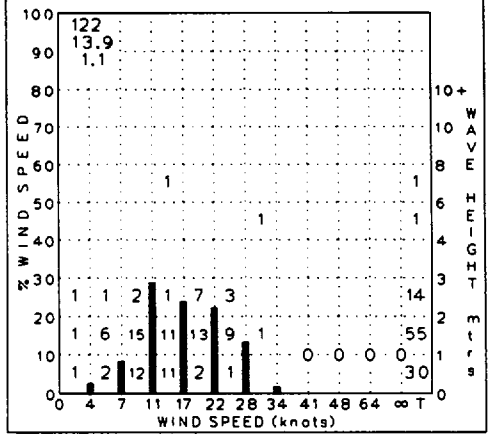
Marine Area A

No Data Available

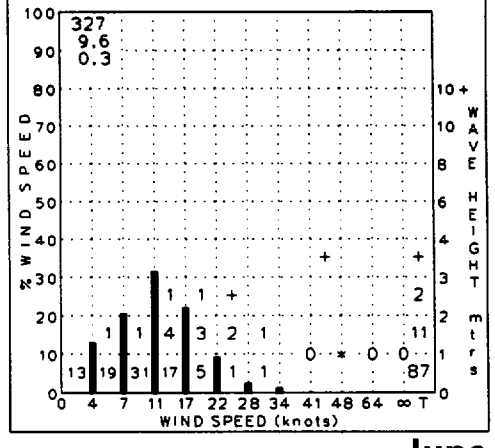
Marine Area B

No Data Available

Marine Area C

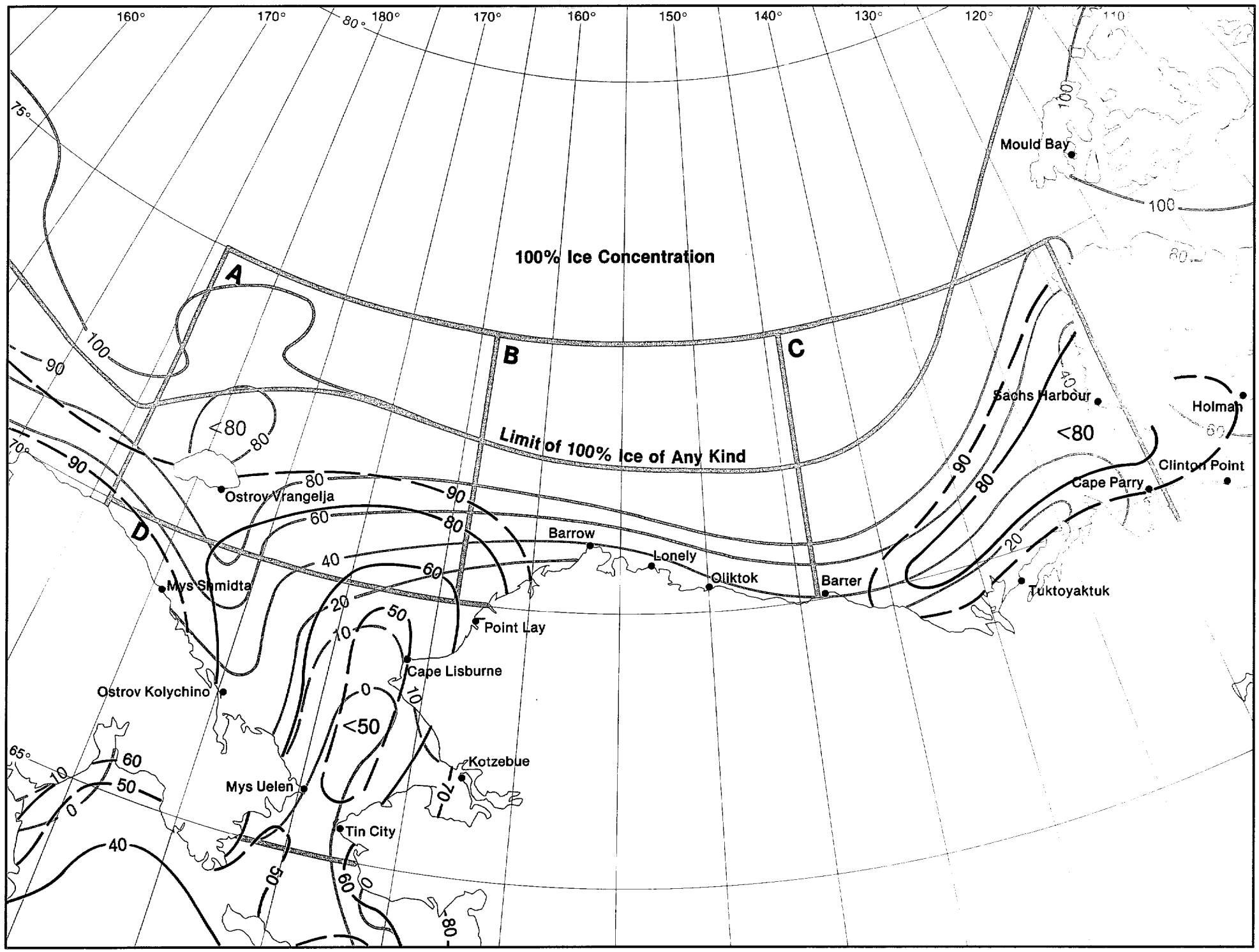


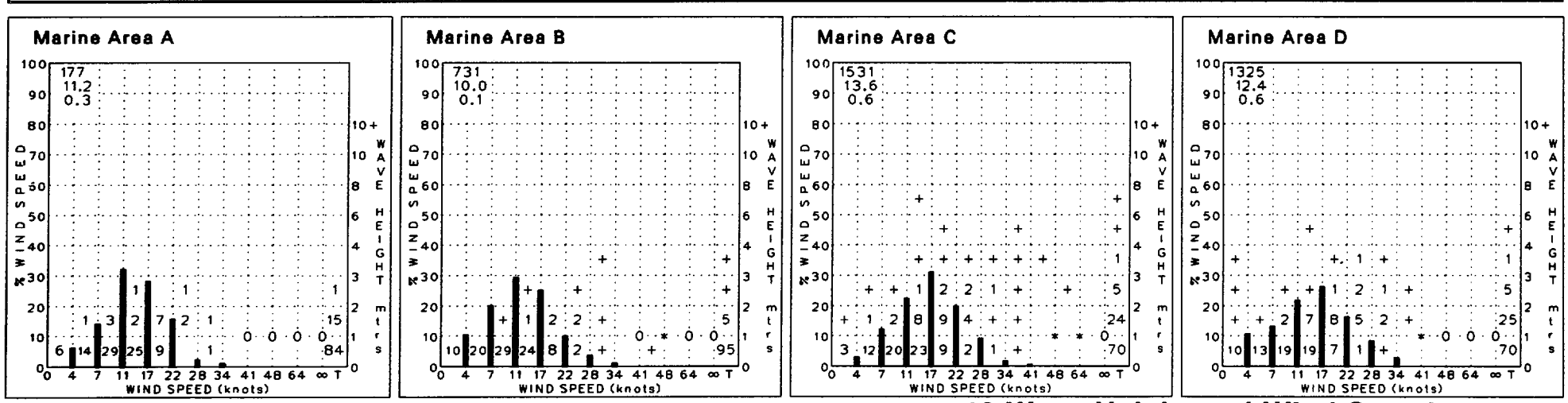
Marine Area D



18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

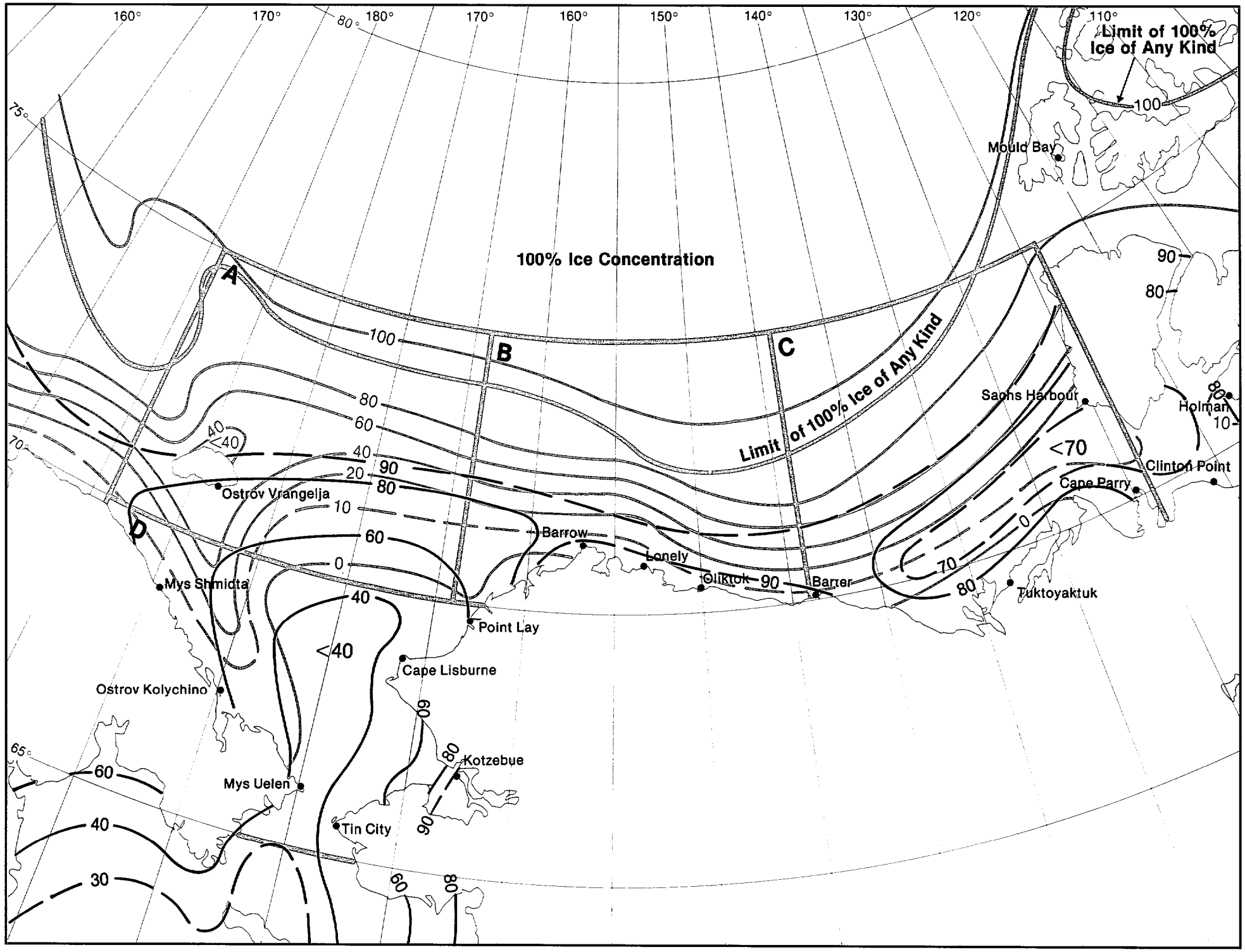
June

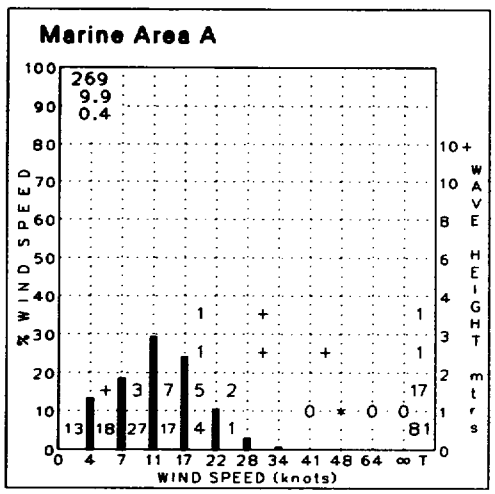


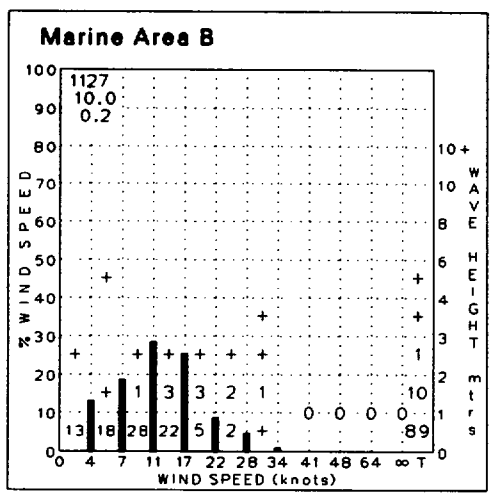


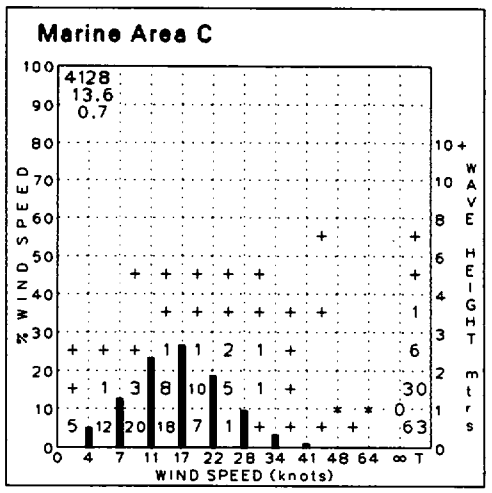
July

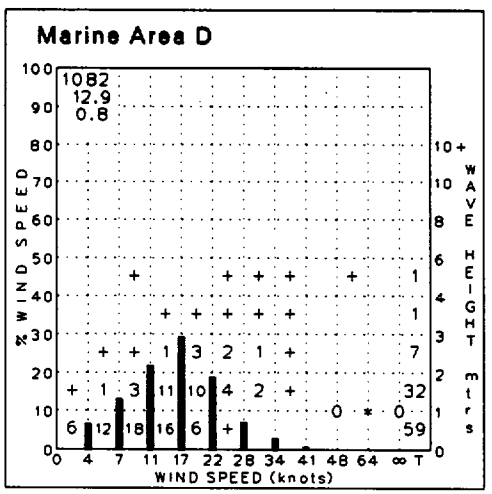
18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths





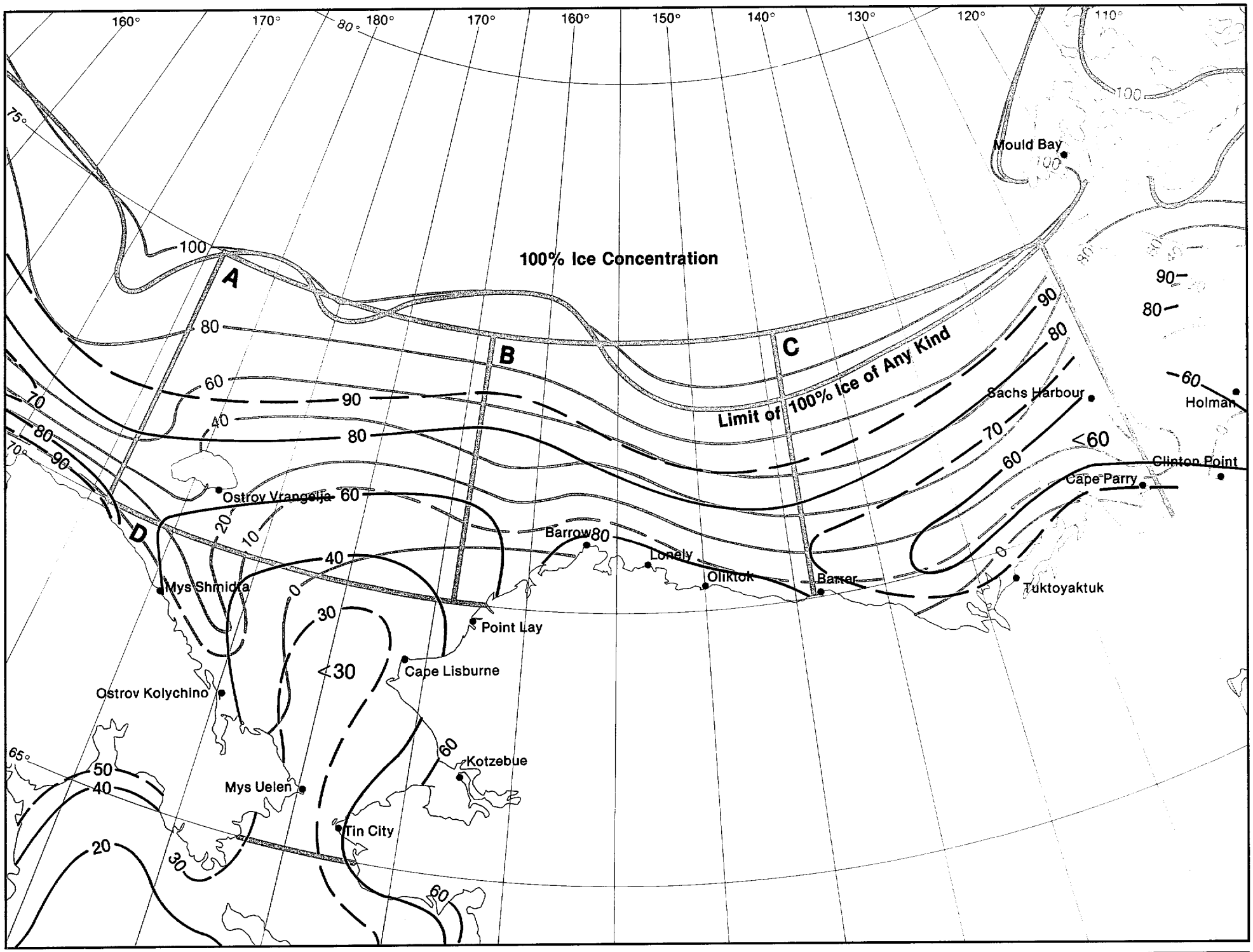


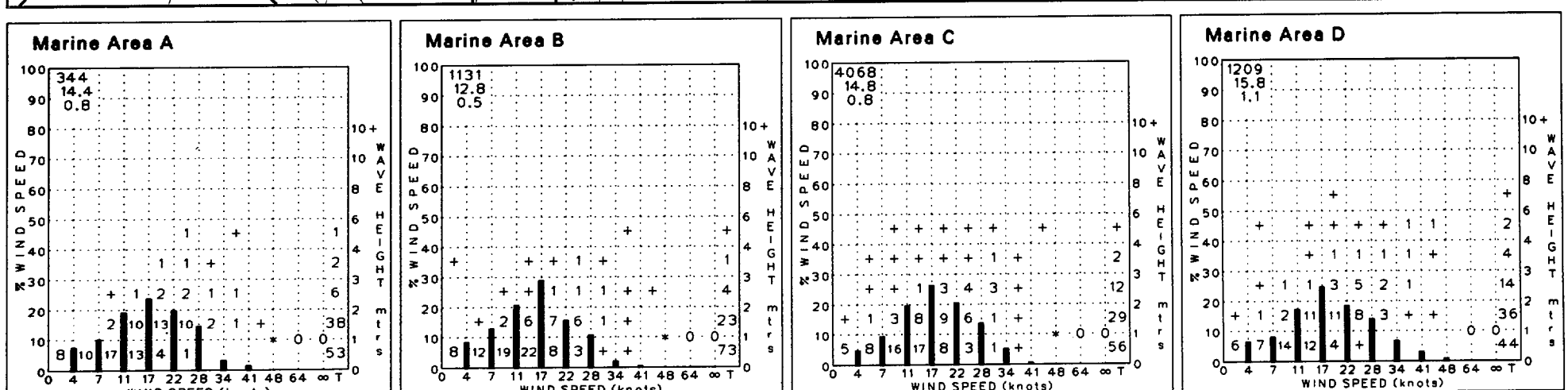




18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

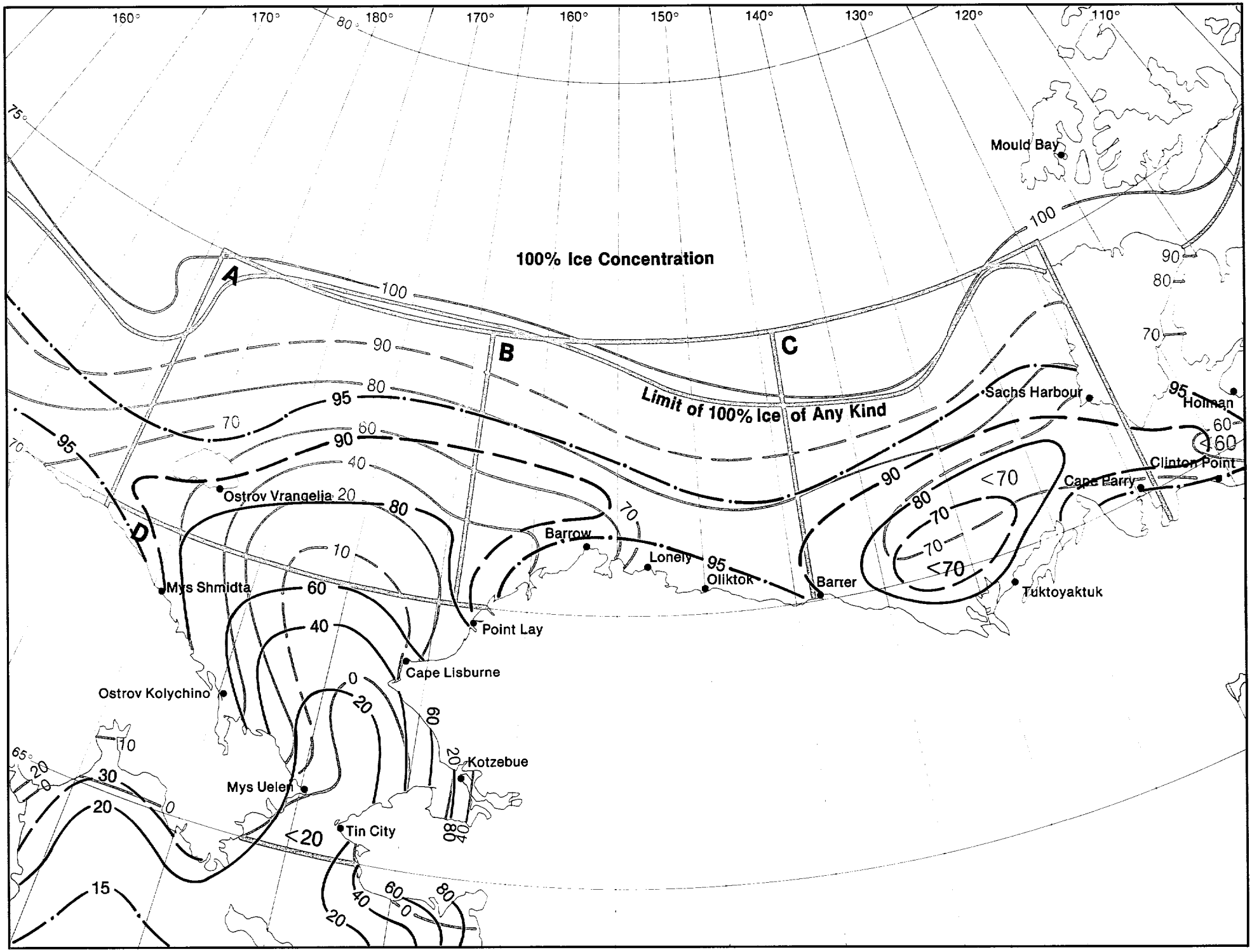
August

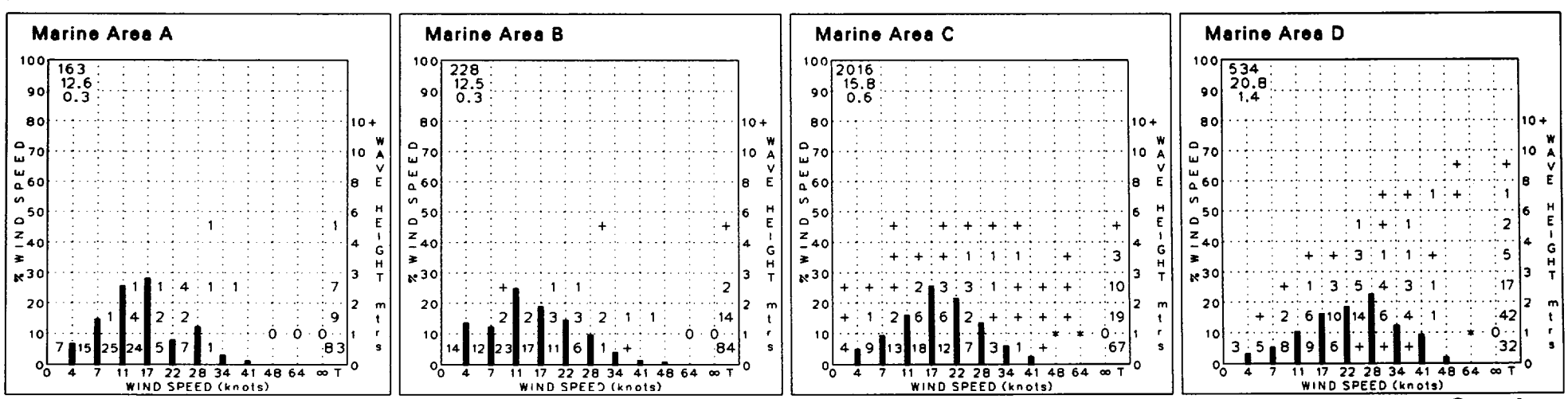




September

18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths





18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

October

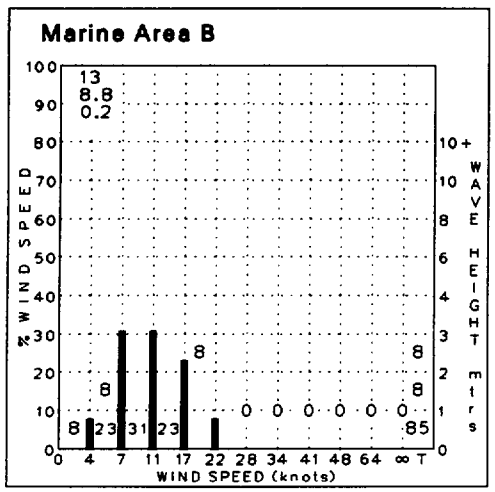
100% Ice Concentration

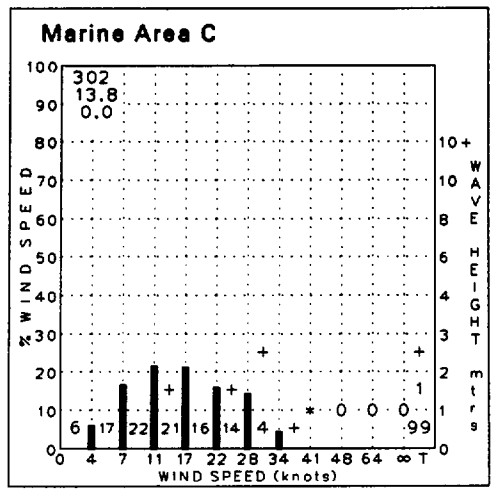
Limit of 100% Ice of Any Kind

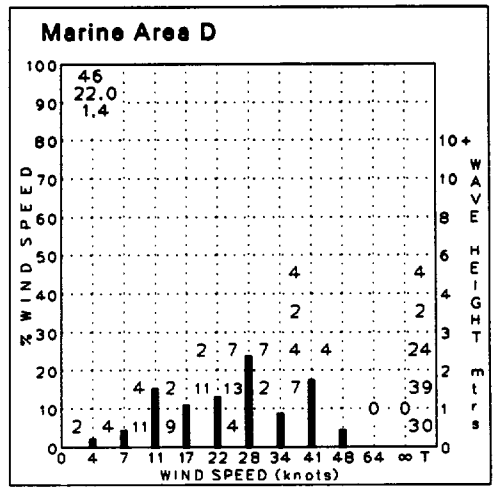
Mould Bay
Sachs Harbour
Holman
Clinton Point
Cape Parry
Ostrov Vrangelja
Barrow
Lonely
Oliktok
Barter
Tuktoyaktuk
Mys Shmidta
Point Lay
Cape Lisburne
Ostrov Kolychino
Kotzebue
Mys Uelen
Tin City

Marine Area A

No Data Available

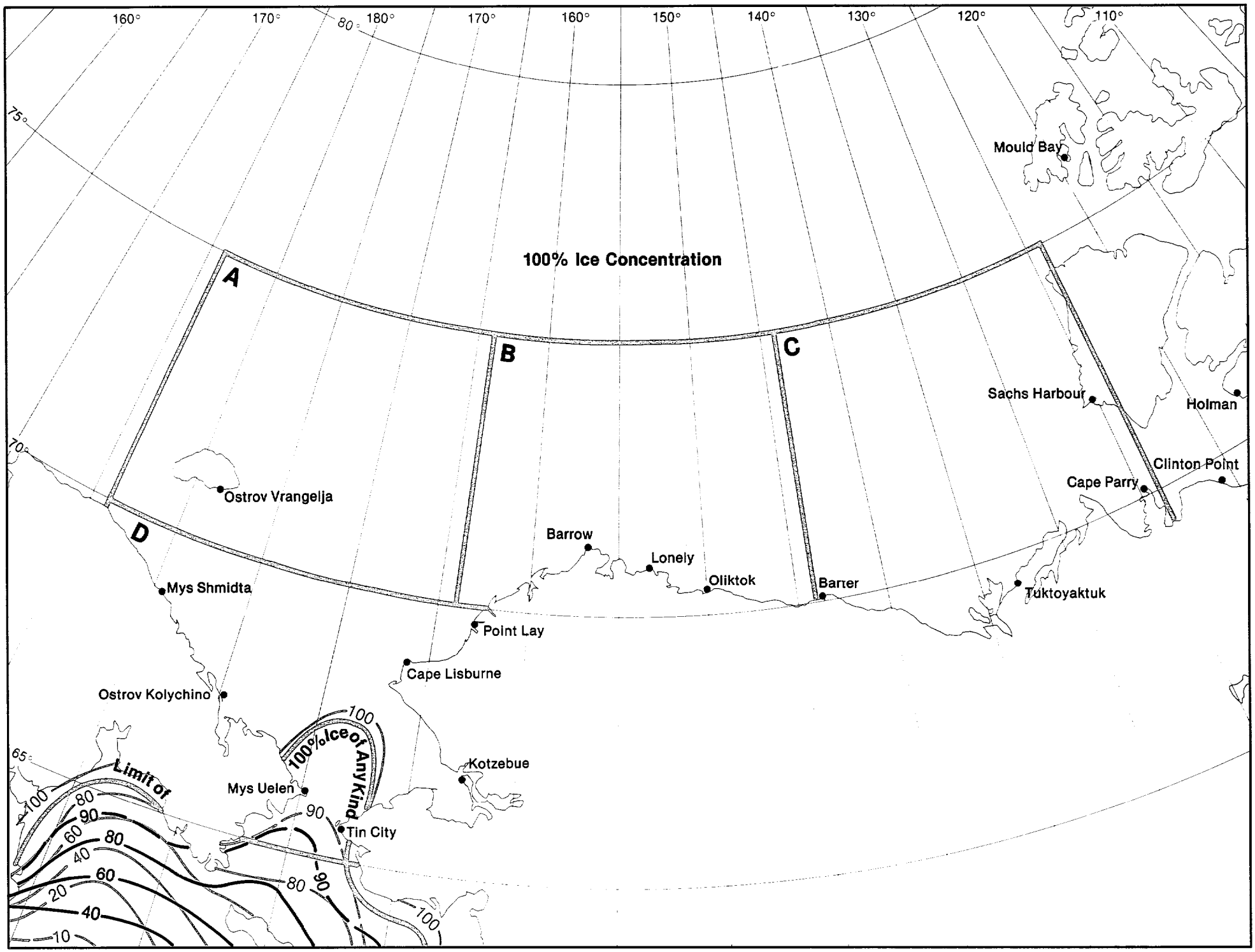






November

18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

18 Wave Height and Wind Speed
Wave Height ≦3 Feet and Ice ≧5/10ths

December

Map IQ. Wave height <8 feet and ice thickness 28 feet

BLACK LINE – Percent frequency of wave height <8 feet (2.5 meters).

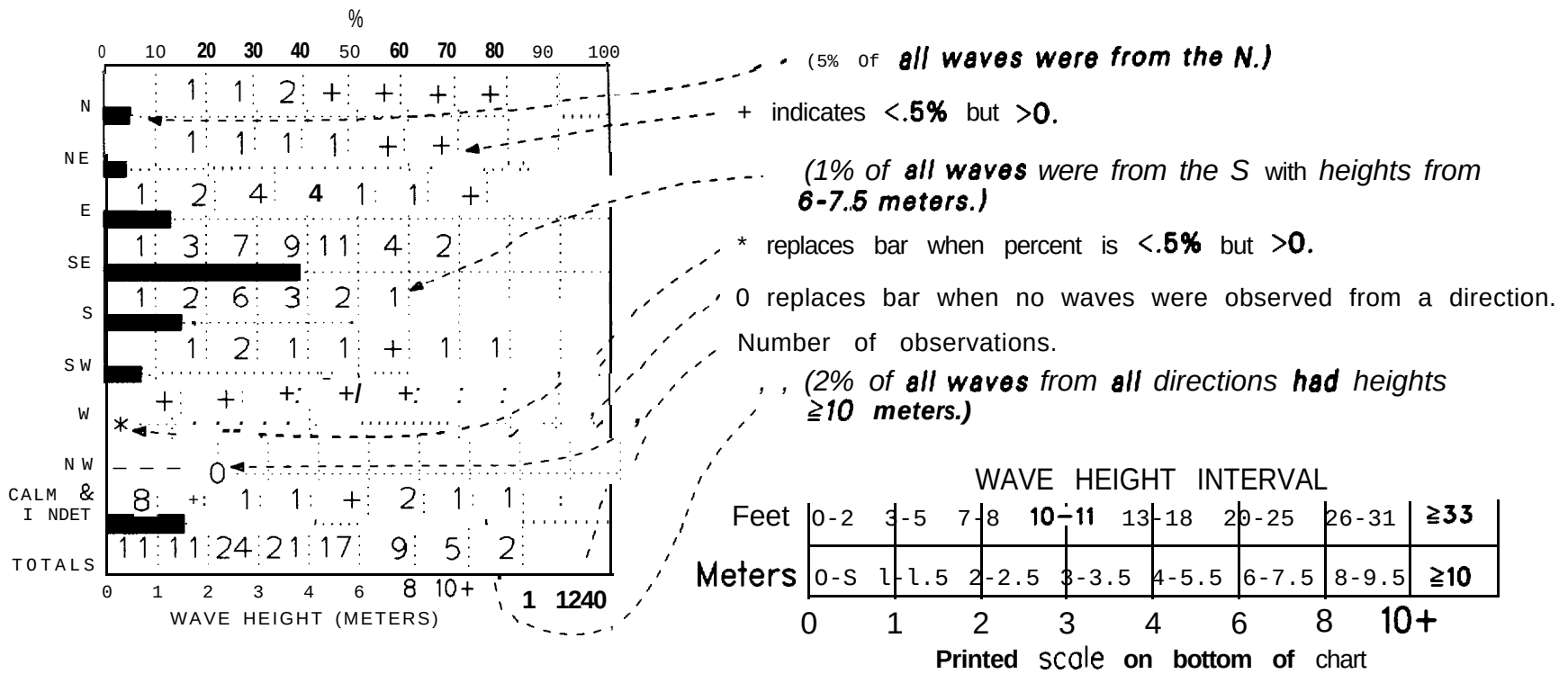
BLUE LINE – Percent frequency of ice thickness ≧8 feet (multi-year ice).

Albers Equal-Area Conic Projection

Graphs: Wave height/direction

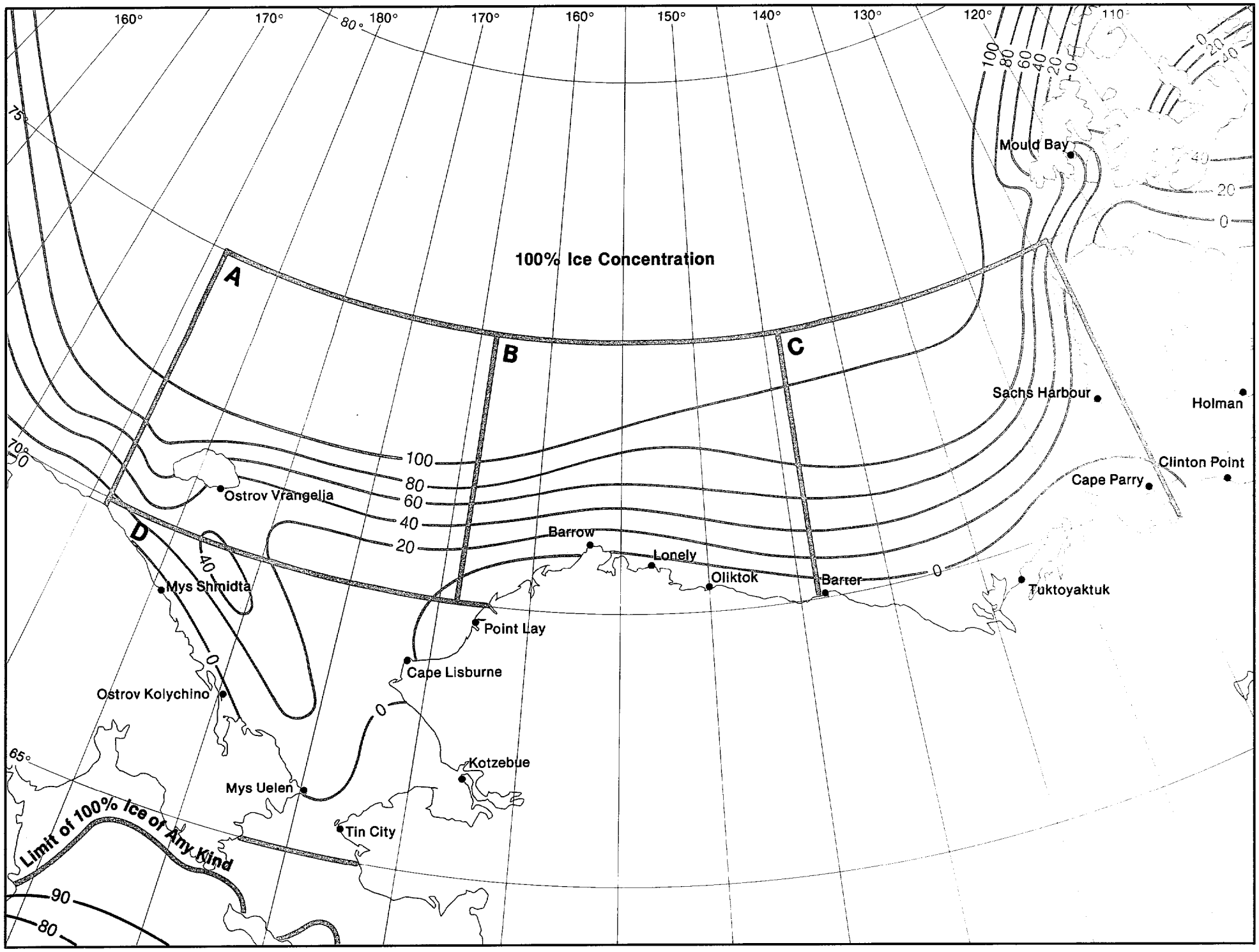
Direction frequency (top scale): Bars represent percent frequency of waves from each direction.

Height frequency (bottom scale): Printed figures represent percent frequency of wave heights observed from each direction.



The observer aboard ship determines and records the period and height of wind waves (sea); and the direction, period, and height of swell waves. Sea waves are waves raised by the local wind and are assumed to have the same direction as the wind. Swell waves are waves not raised by the local wind, but rather by distant wind systems or by winds that have sinced ceased to blow. Swell waves characteristically exhibit more regular and longer periods, and have flatter crests than wind waves within their generating area (fetch). Sea and swell waves occur singly or in manifold combination from which they can sometimes be separated only with difficulty.

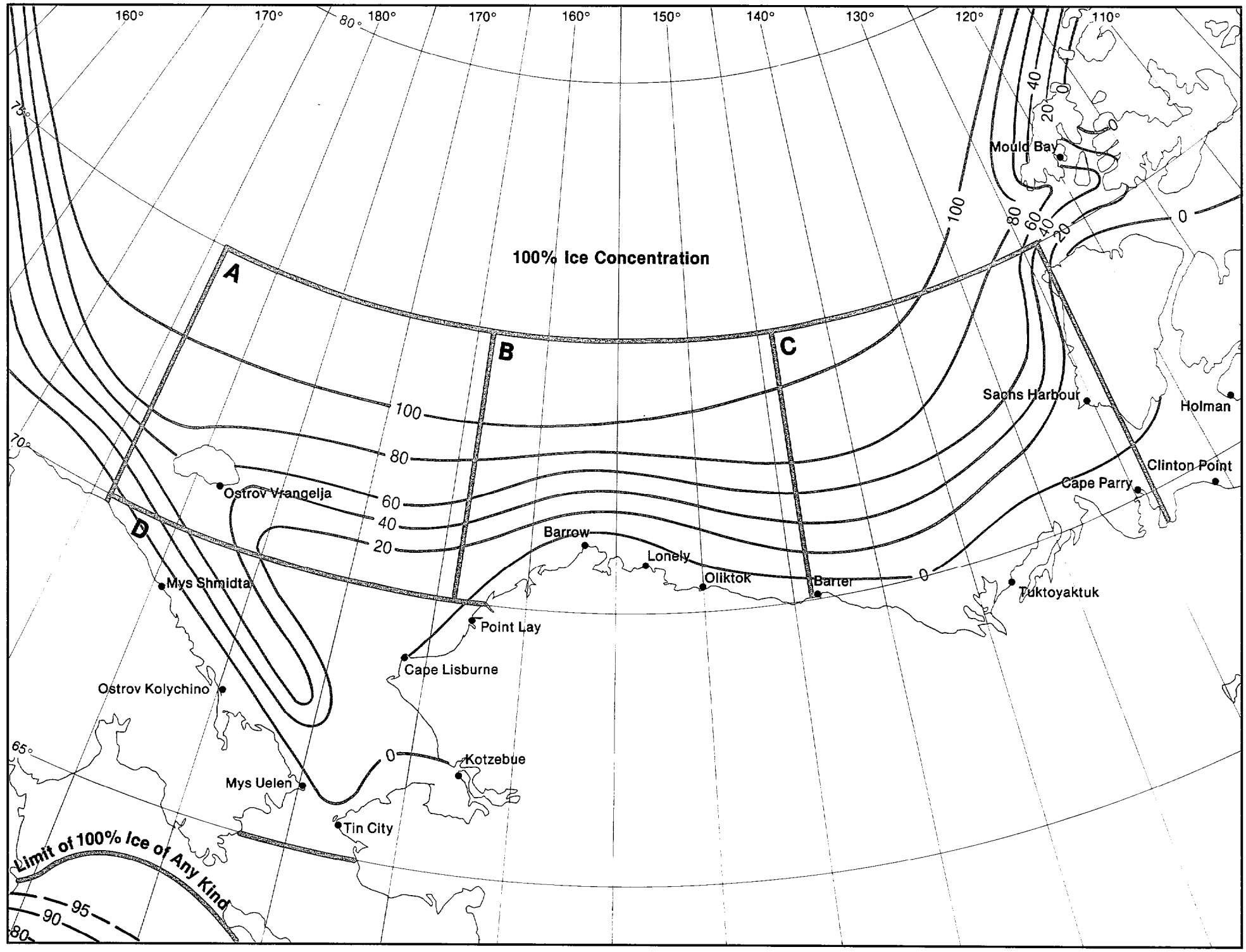
Indeterminate directions are combined with calms in the direction scale of the graph (they can be distinguished by consulting the sea height scale). The number of observations noted on the graphs is from the higher of sea or swell when both are reported; if the heights were equal, then the one with the longer period was selected. If only one wave was reported (sea or swell), then that value was used. Refer to the texts of Sets 14 and 18-21 for complete information on waves, and to the introductory text section of Section II for sea ice information.



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

January

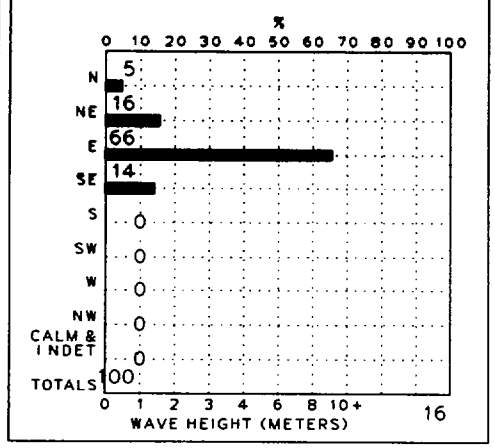
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet



Marine Area A

No Data Available

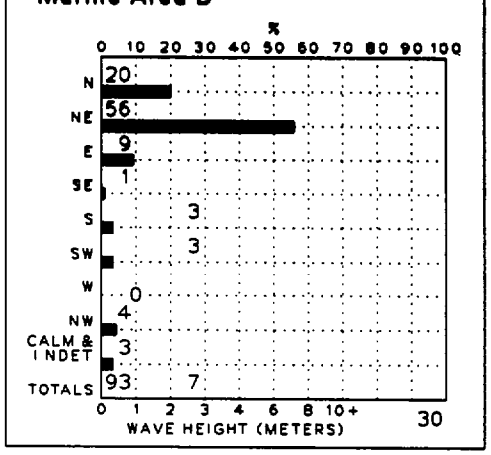
Marine Area B



Marine Area C

No Data Available

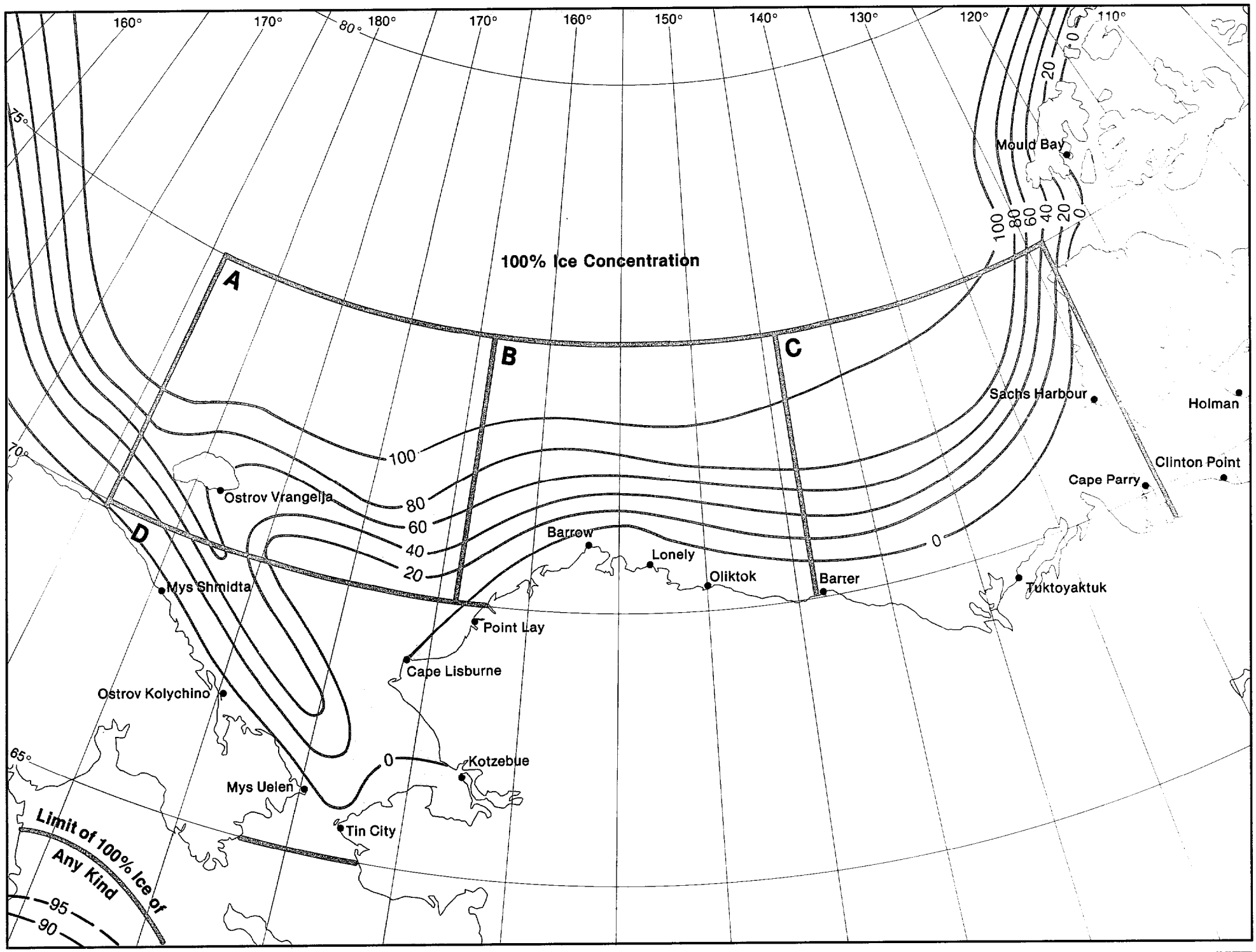
Marine Area D

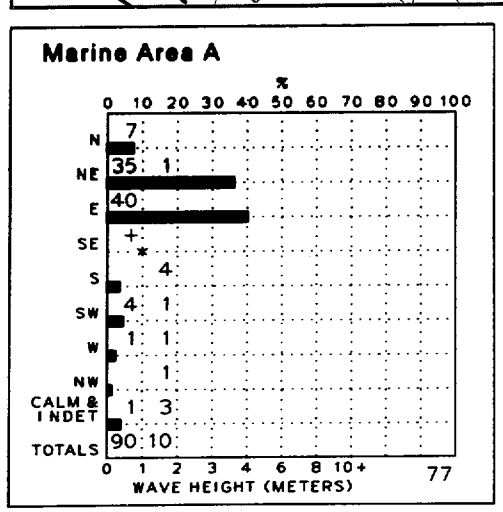


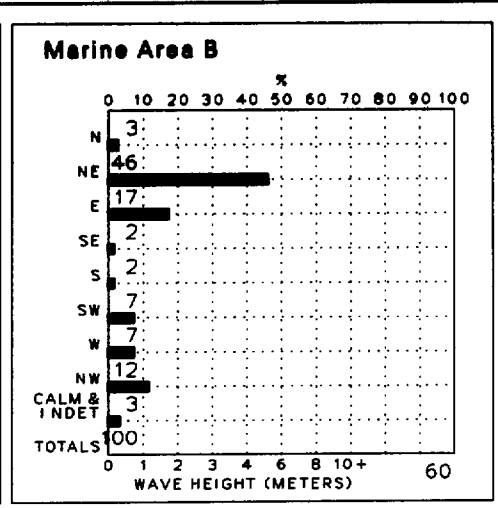
19 Wave Height and Direction

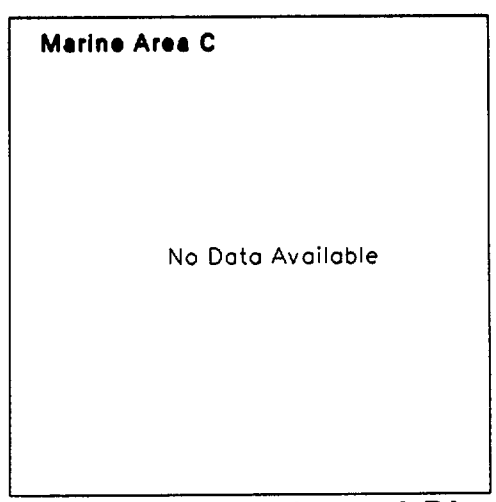
February

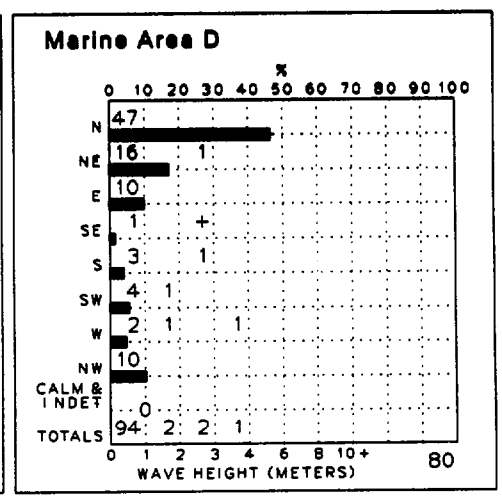
Wave Height <8 Feet and Ice Thickness ≧8 Feet





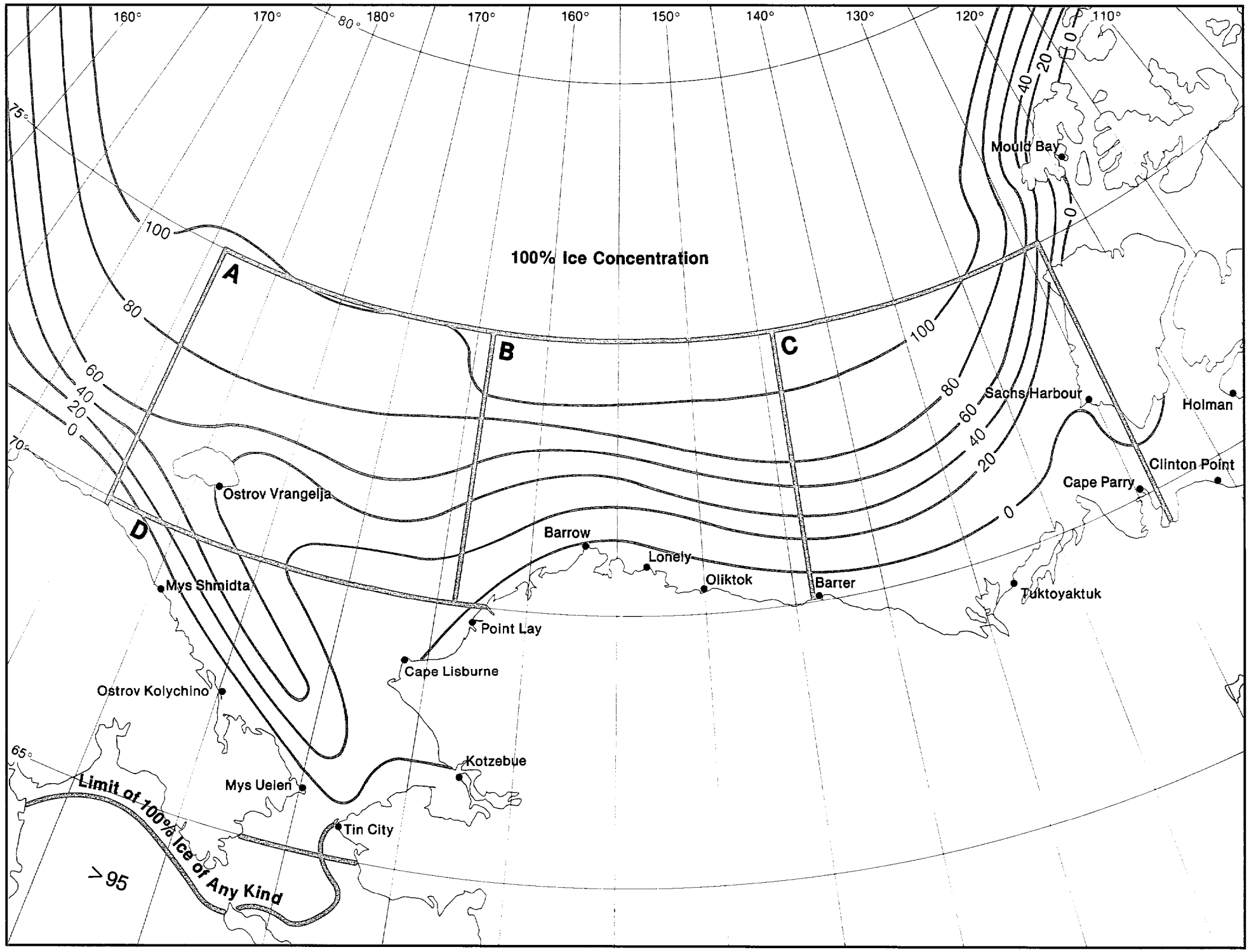


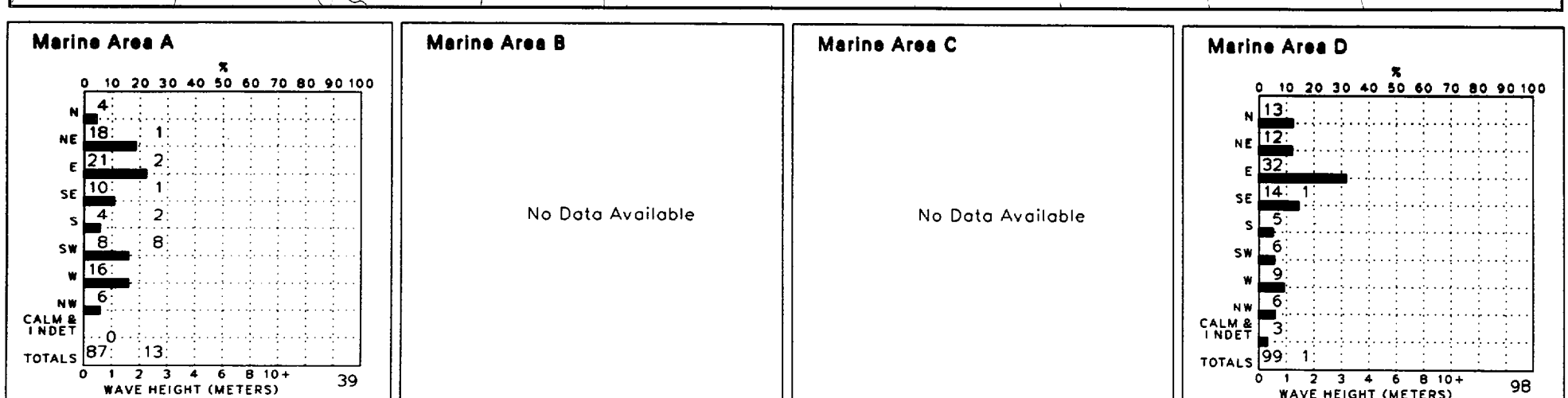




March

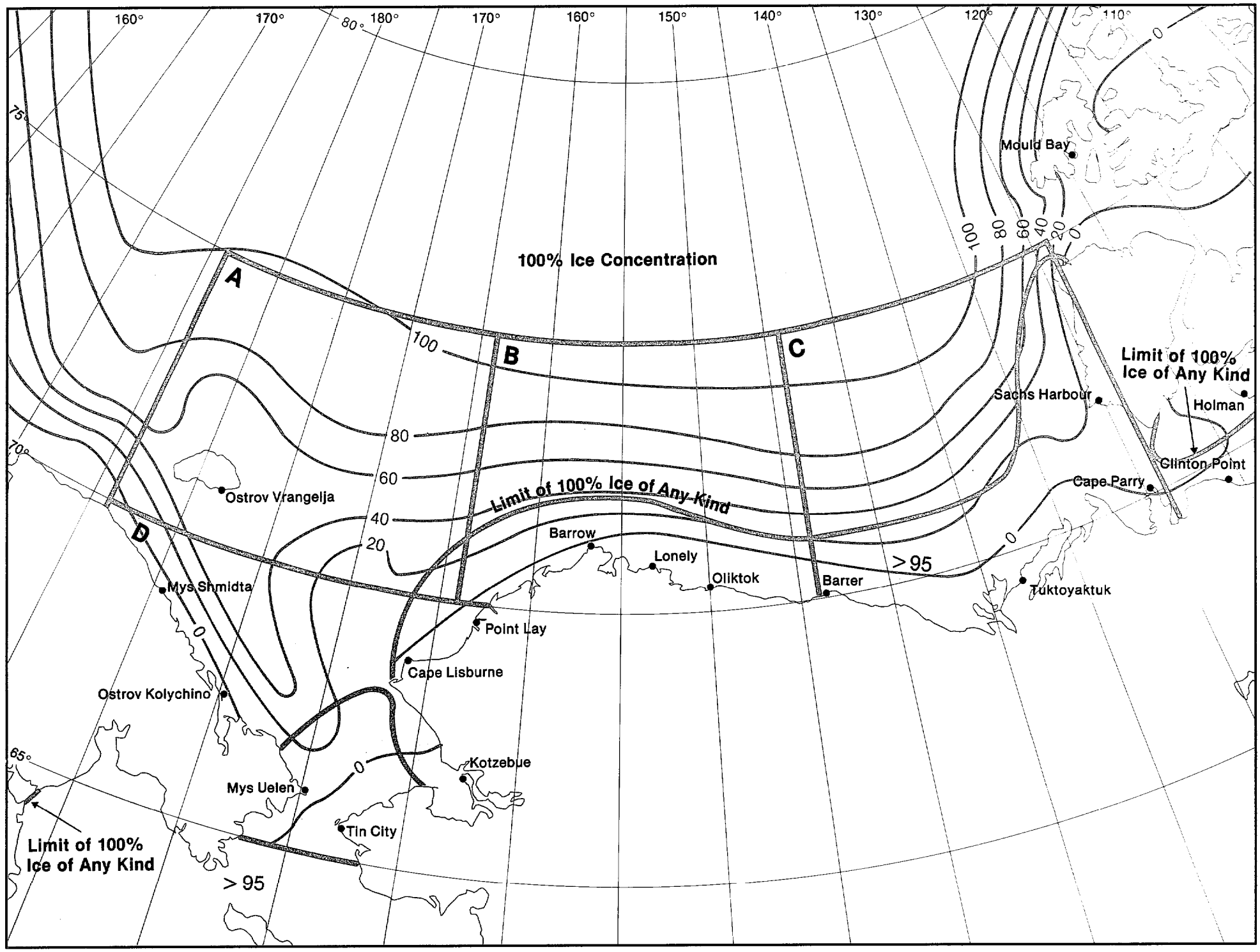
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet





19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet

April



Marine Area A

No Data Available

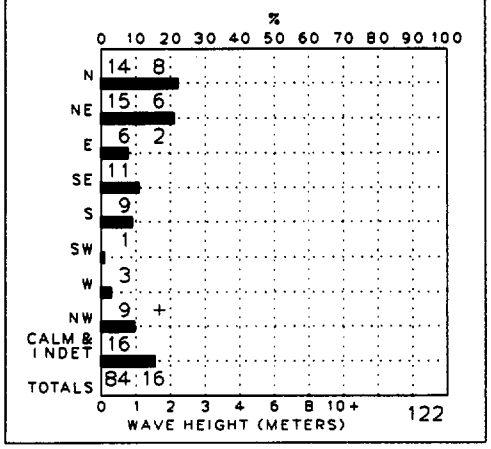
Marine Area B

No Data Available

Marine Area C

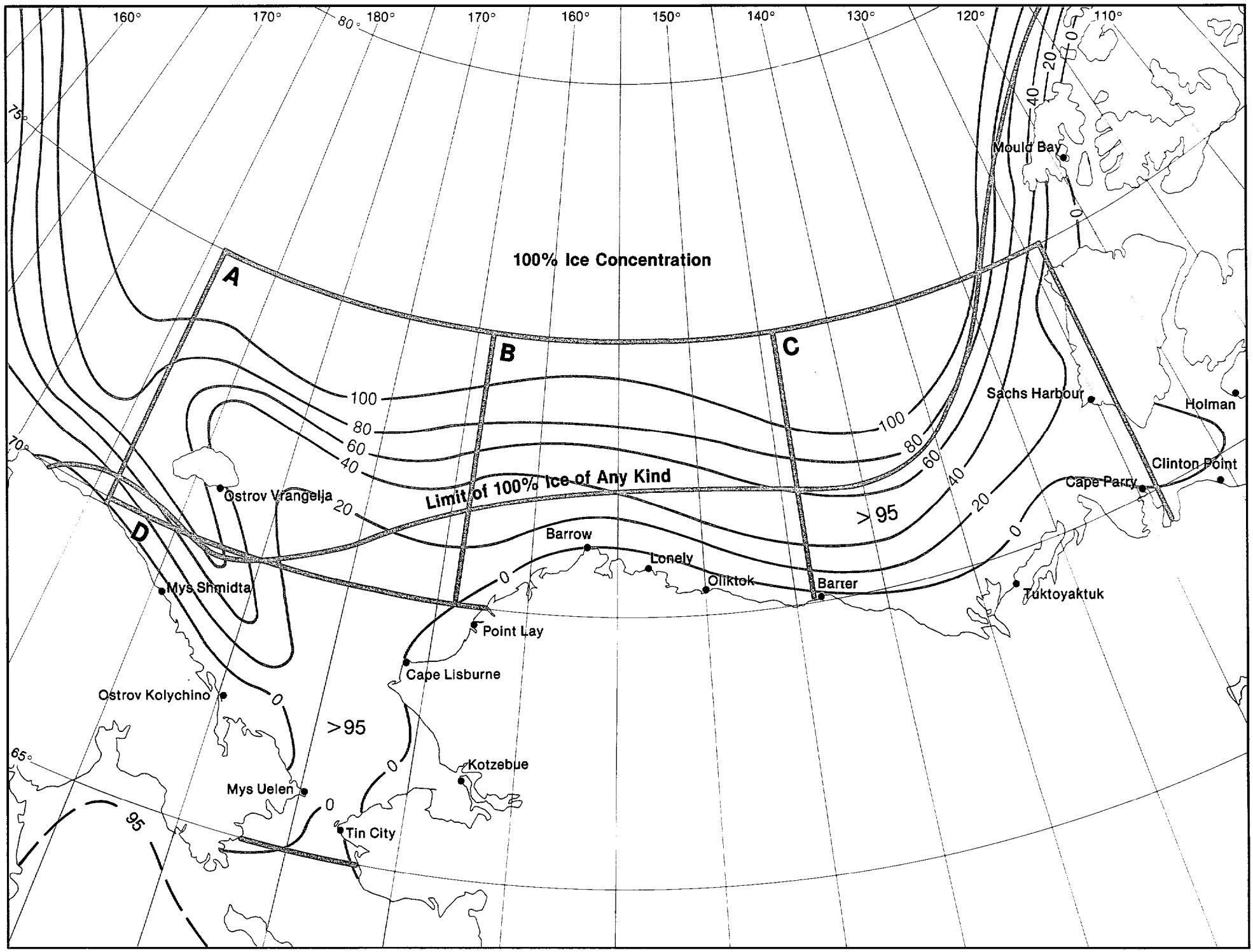
No Data Available

Marine Area D



May

19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet



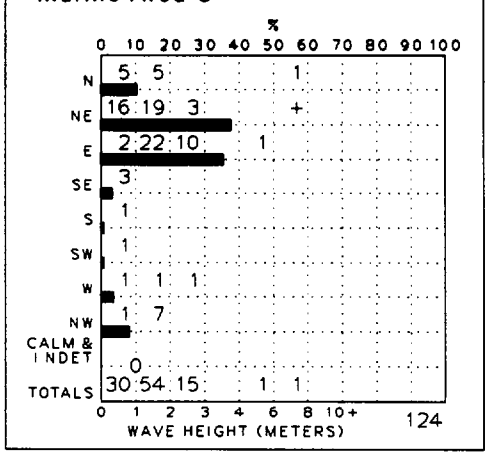
Marine Area A

No Data Available

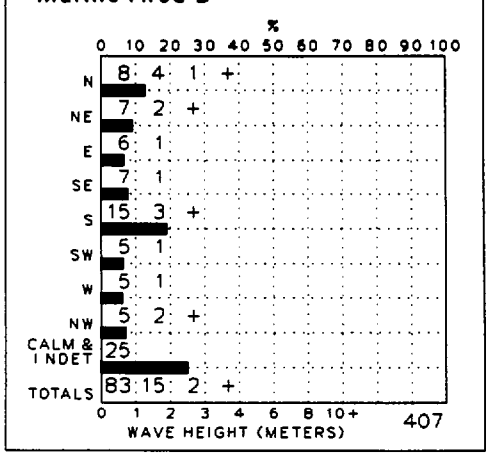
Marine Area B

No Data Available

Marine Area C

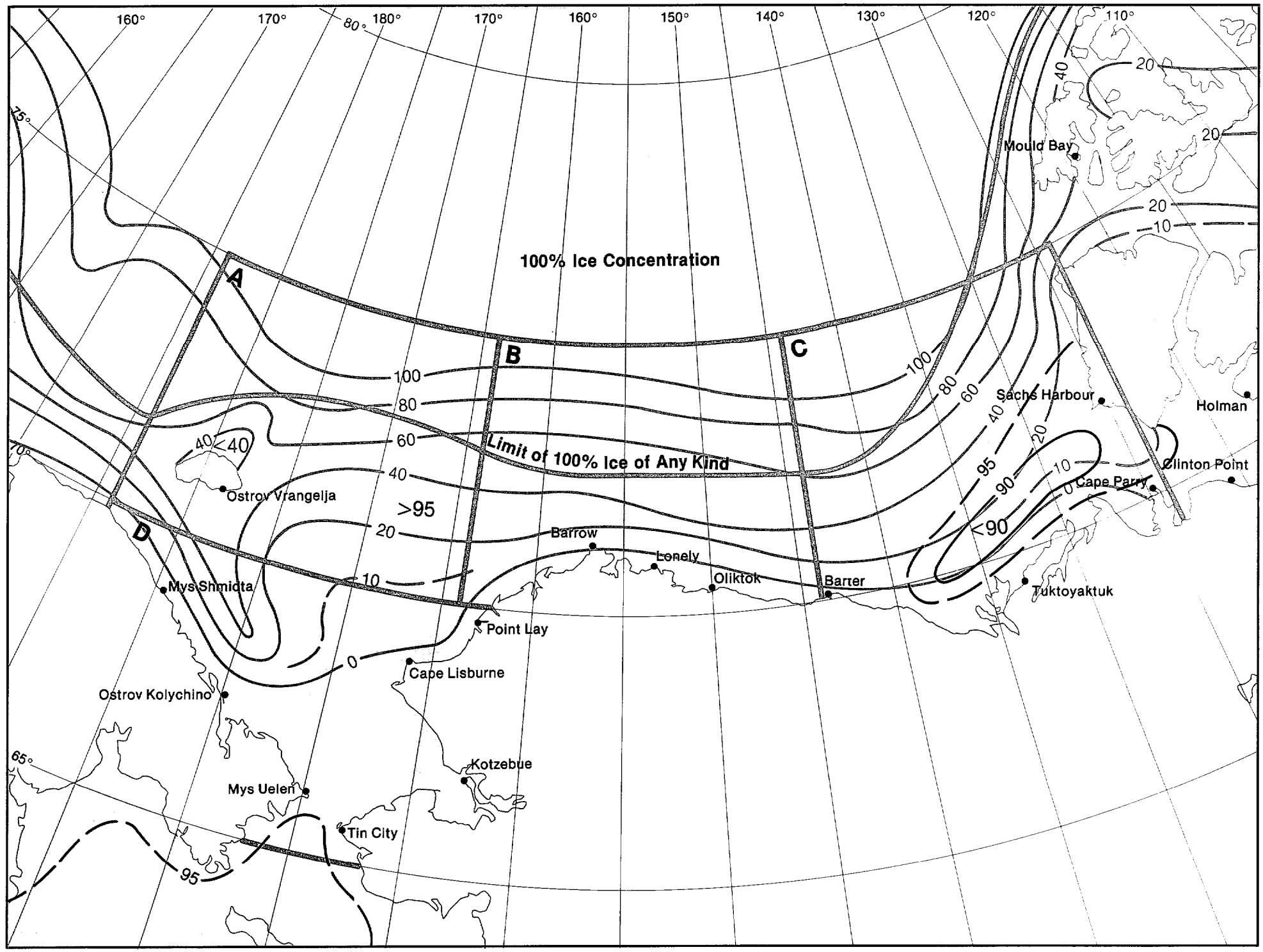


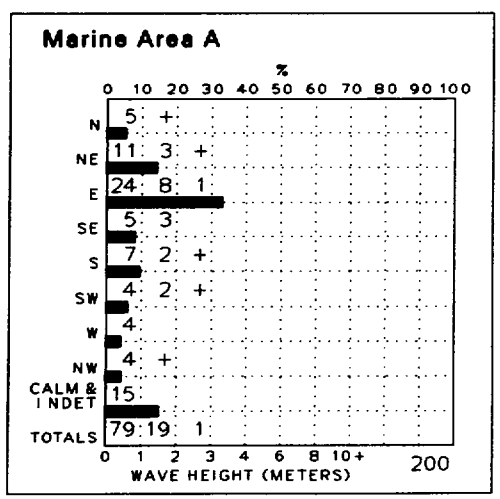
Marine Area D

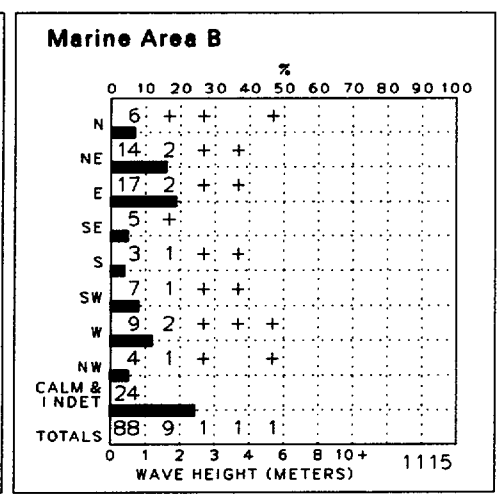


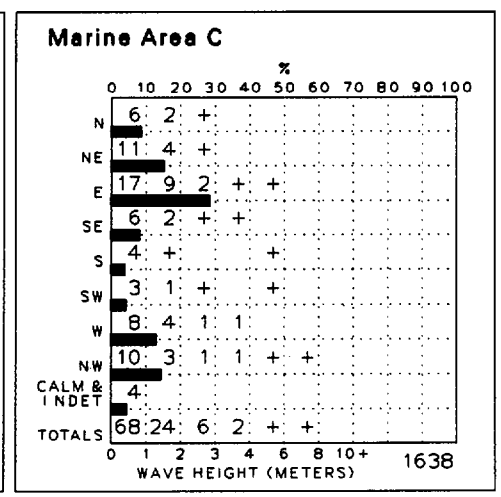
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet

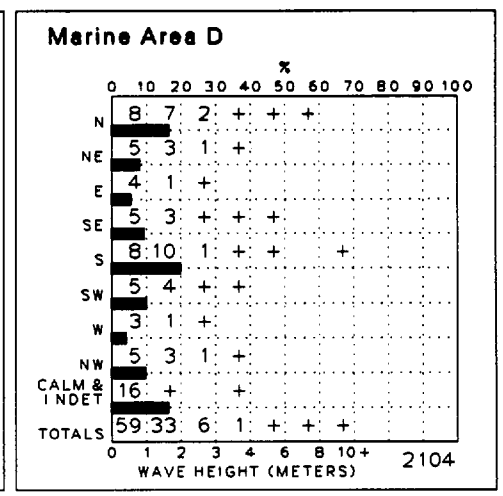
June





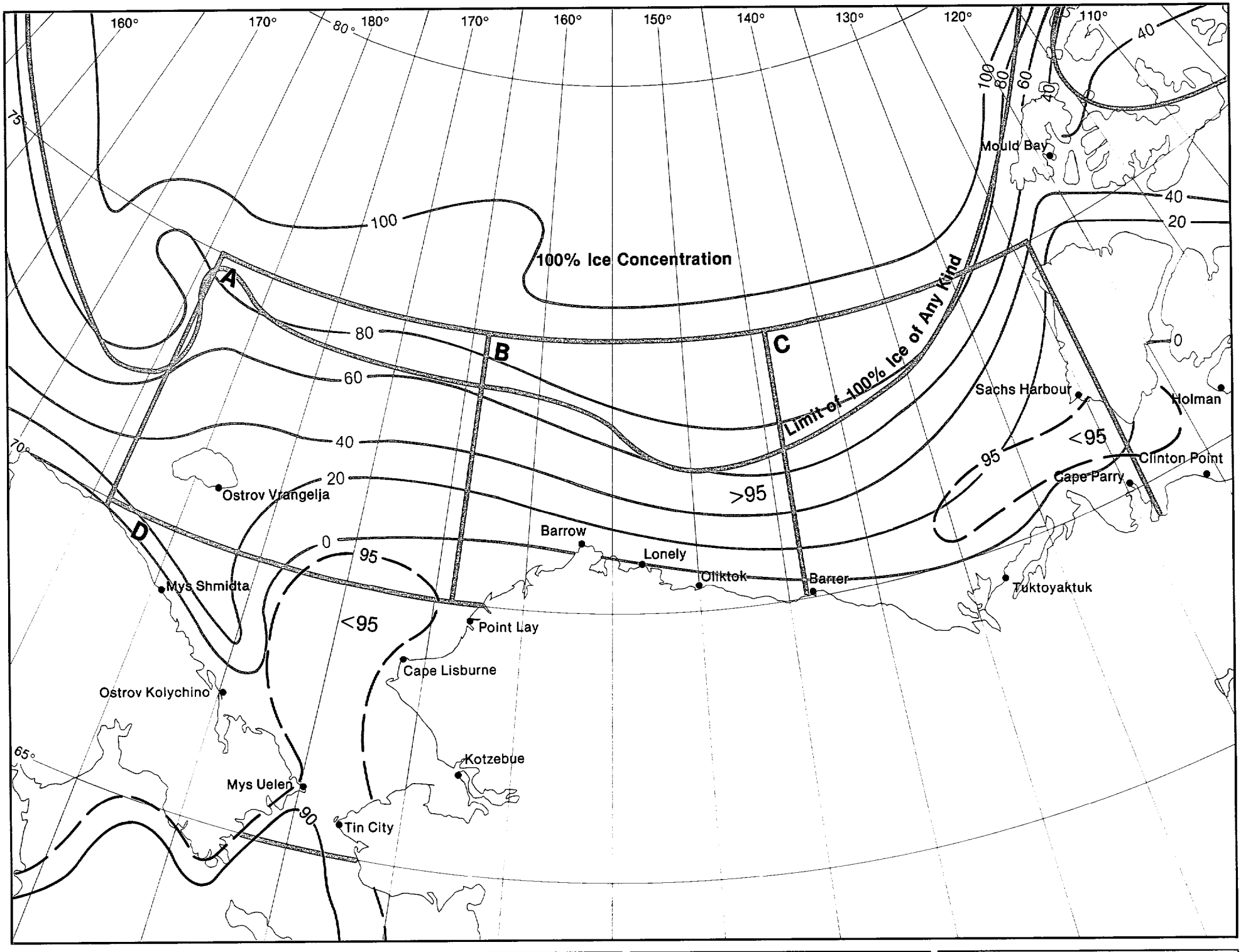


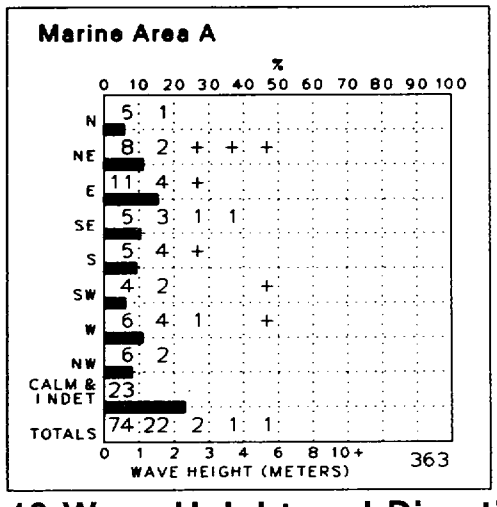


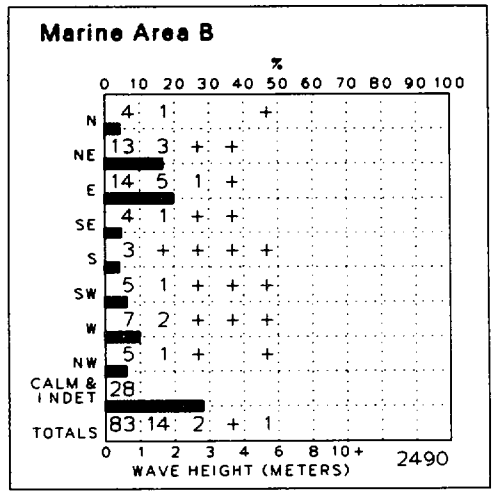


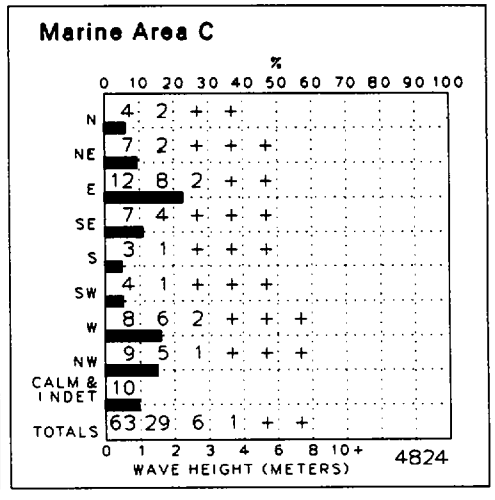
July

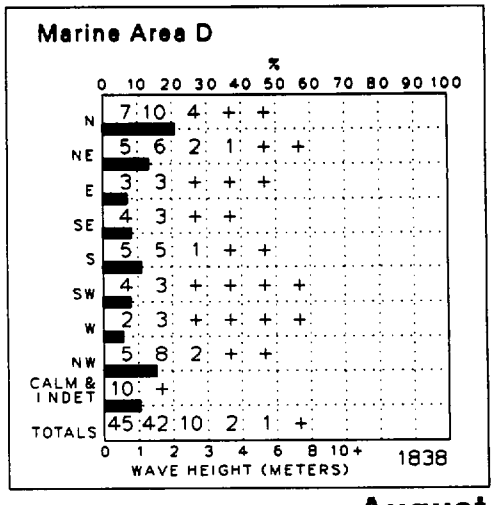
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet







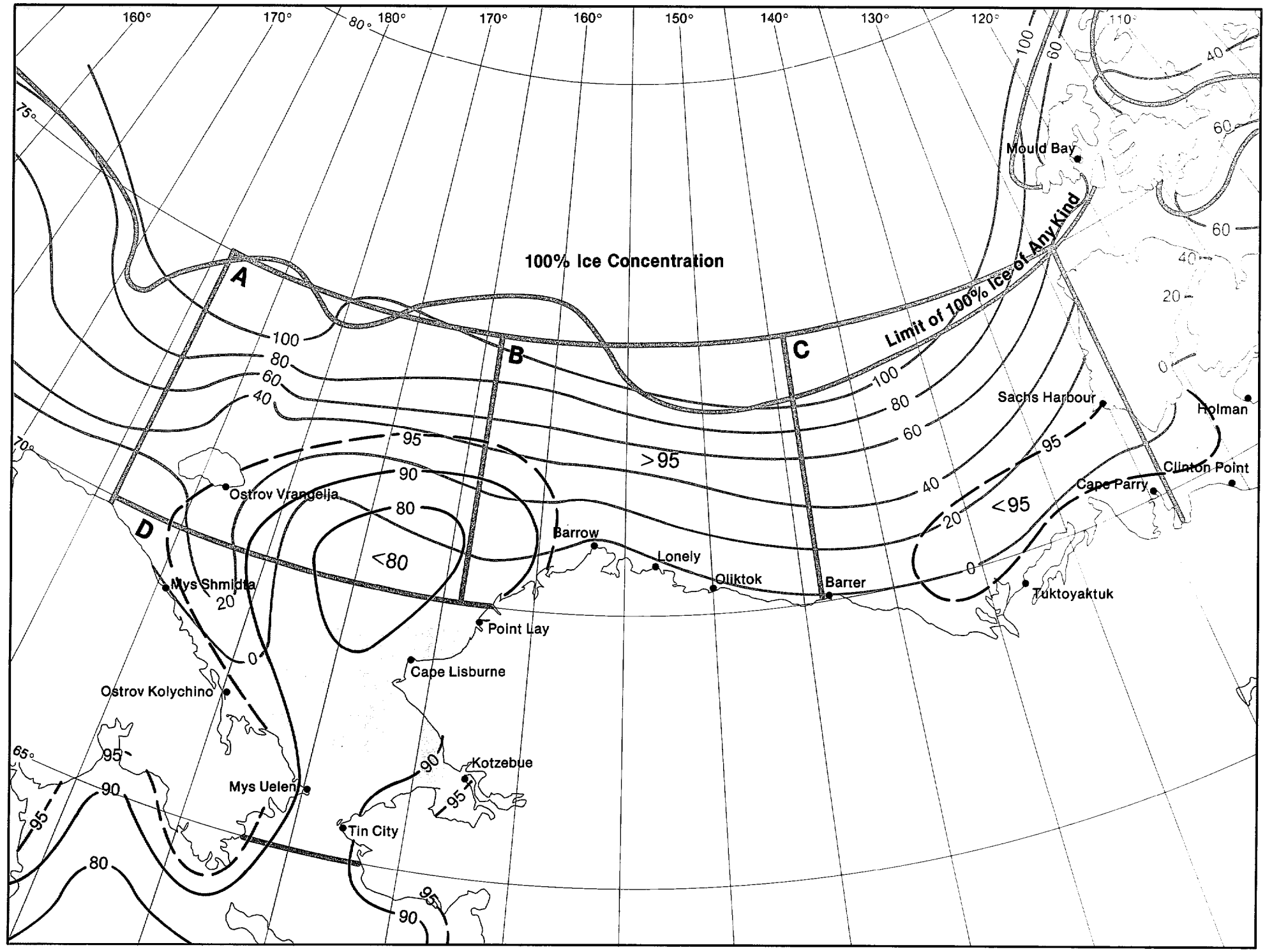


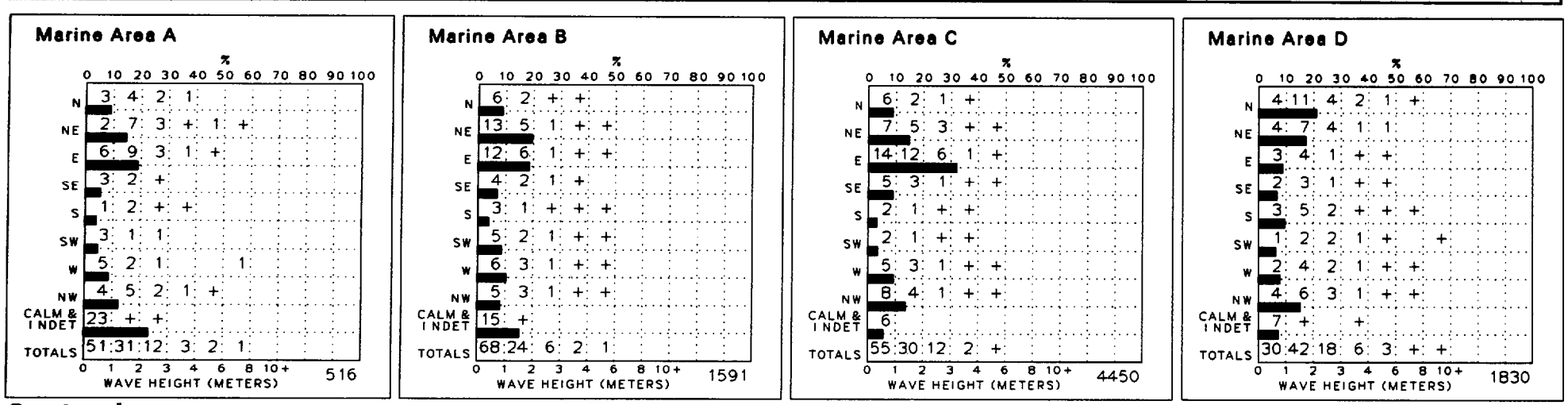


19 Wave Height and Direction

Wave Height <8 Feet and Ice Thickness ≧8 Feet

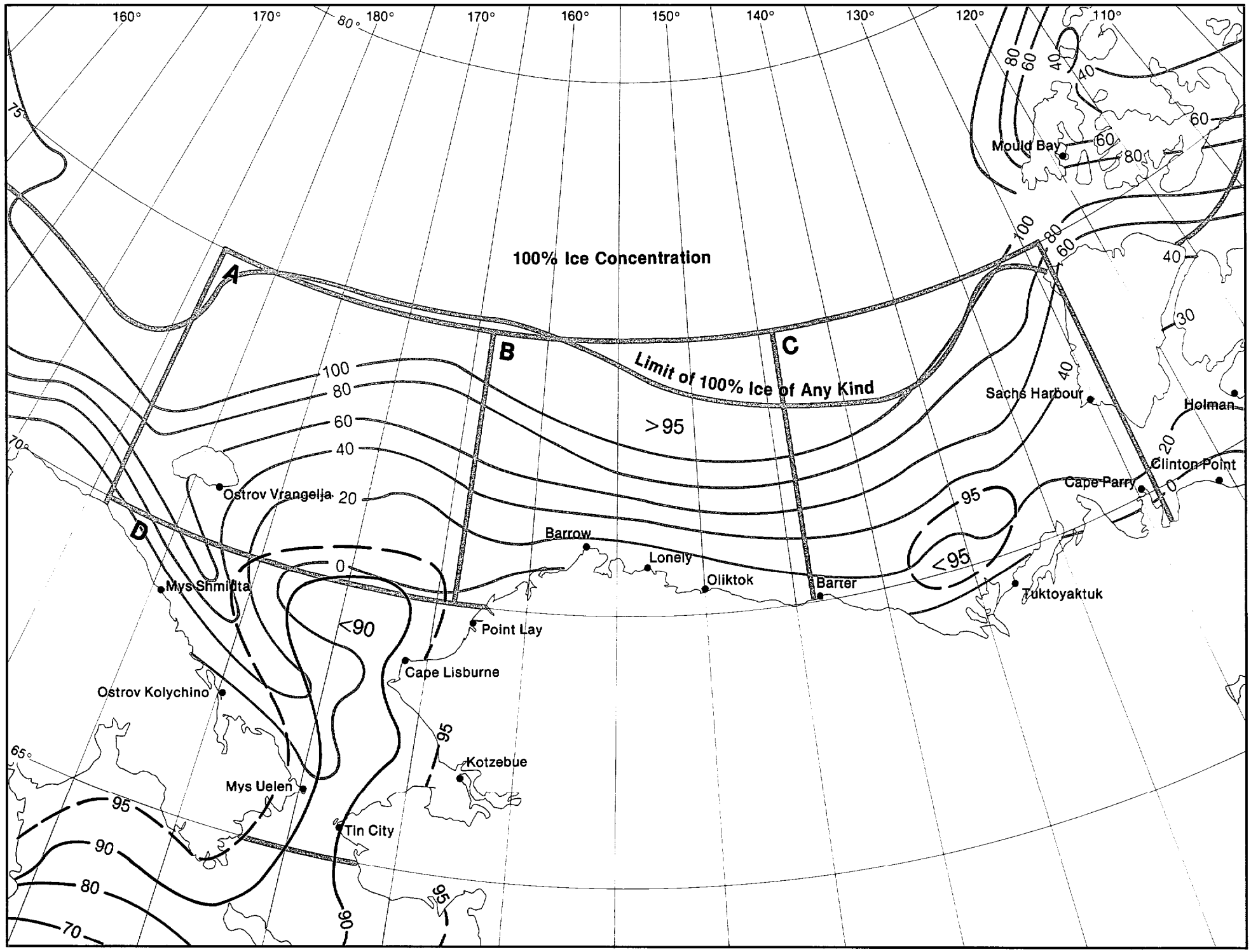
August

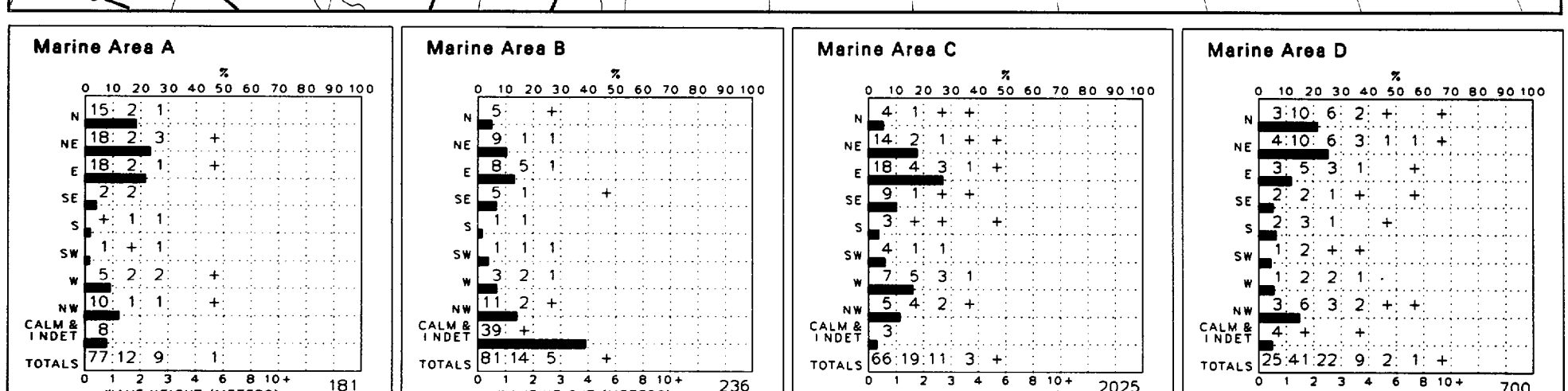




September

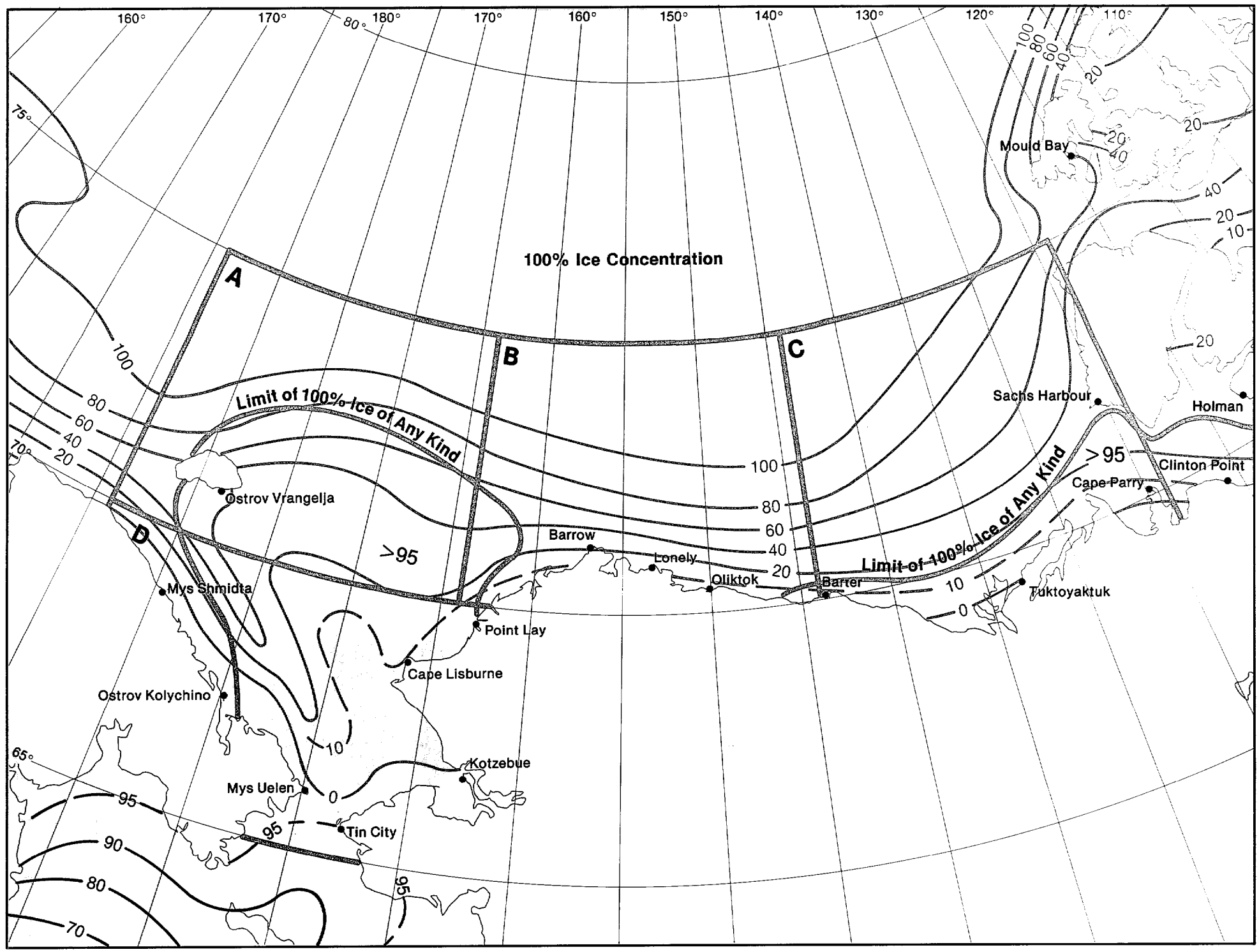
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet





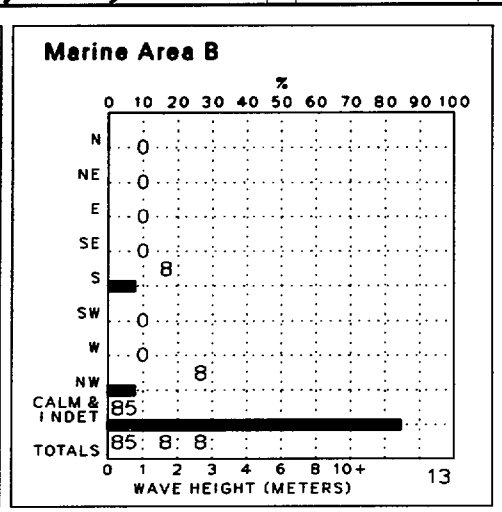
19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≥8 Feet

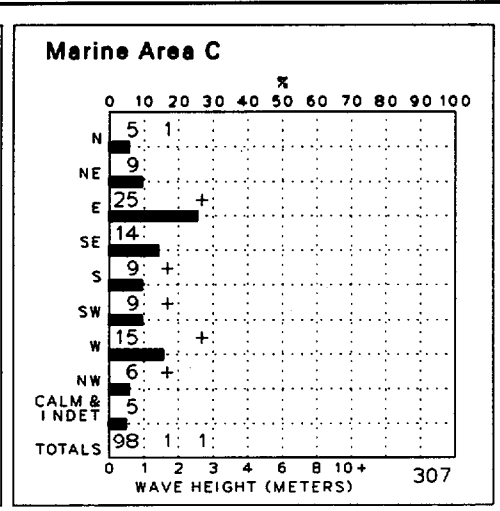
October

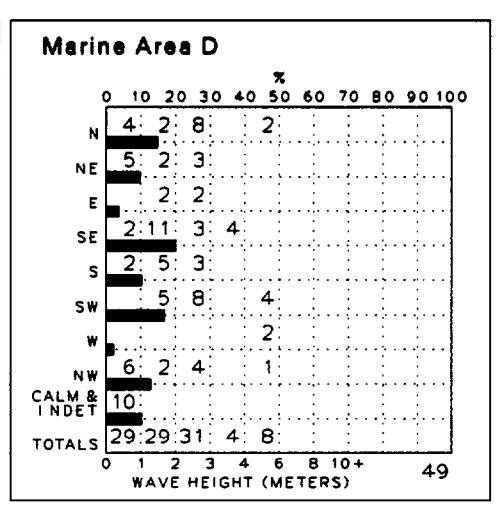


Marine Area A

No Data Available

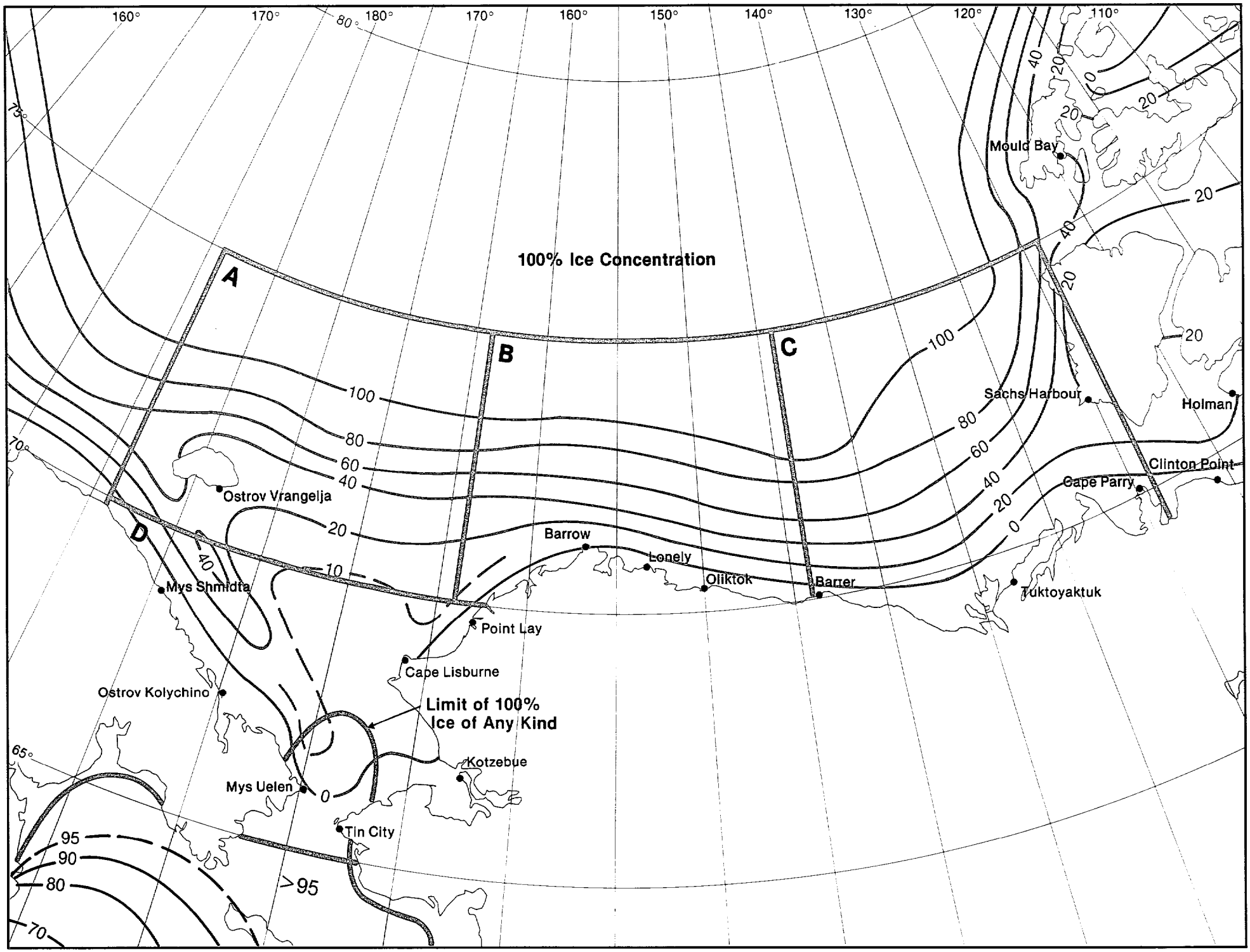






November

19 Wave Height and Direction
Wave Height <8 Feet and Ice Thickness ≧8 Feet



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

19 Wave Height and Direction **December**

Wave Height <8 Feet and Ice Thickness ≥8 Feet

Map 20. Wave height ≧12 and ≧20 feet

BLACK LINE – Percent frequency of wave height ≧12 feet (≧3.5 meters).

BLUE LINE – Percent frequency of wave height ≧20 feet (≧6 meters).

Albers Equal-Area Conic Projection

Graphs: Wave height/period

Percent frequency of occurrence of wave period and height.

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6–7	8–9	10–11	12–13	>13	IND
0–.5	21	3	1	+	+	+	6
1–1.5	22	16	6	2	1	+	+
2–2.5	3	6	4	3	1	+	+
3–3.5	+	1	1	1	1	+	+
4–5.5	+	+	+	+	+	+	0
6–7.5	0	+	+	0	0	+	0
8–9.5	0	0	0	+	0	0	0
≧10	0	0	0	0	0	+	0

401 0

+ indicates <.5% but >0.

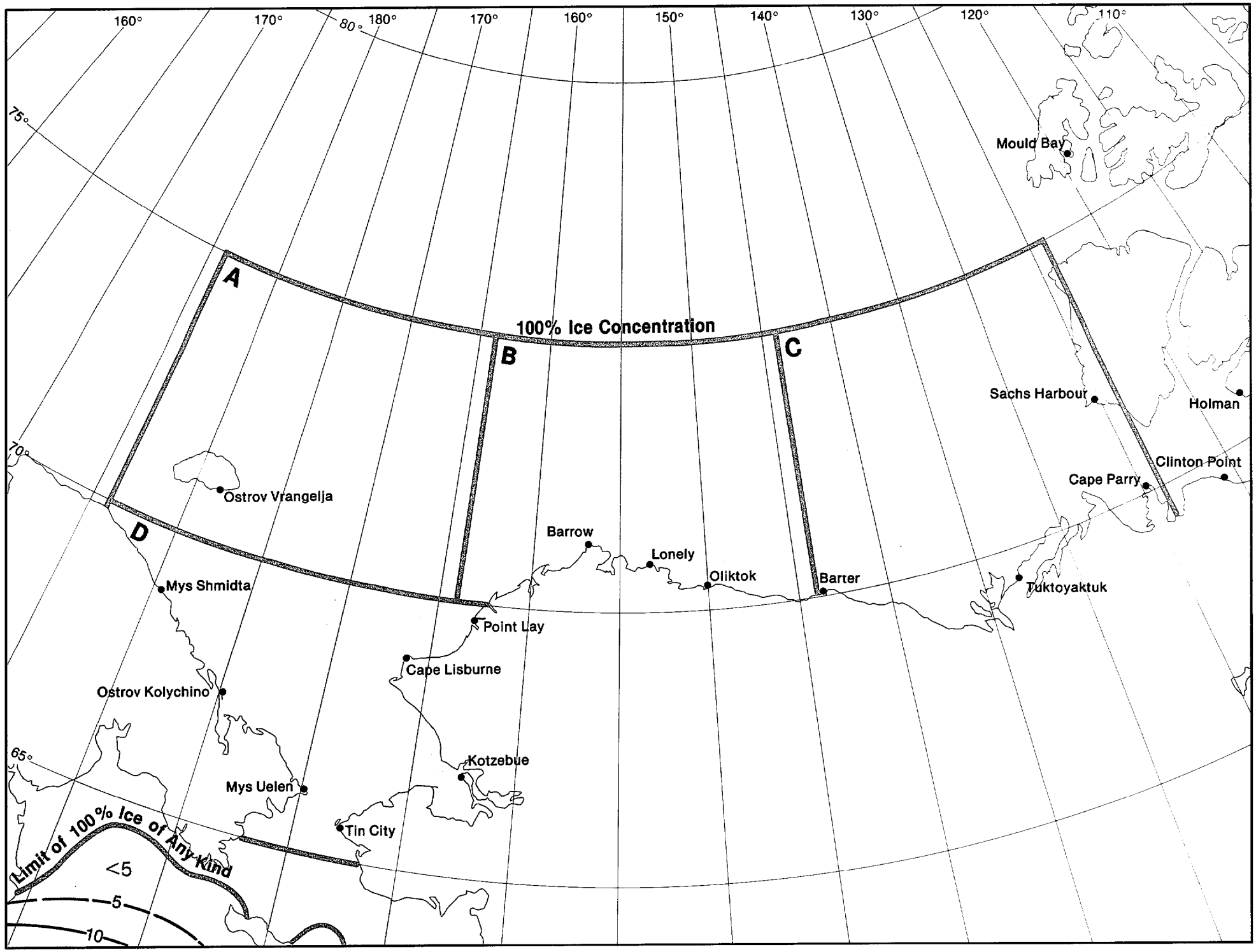
(2% of observed **waves** *had a height of I-1.6 meters and a period of* ***10-11*** *seconds.)*

Number of observations.

Waves are selected on the basis of the higher of sea and swell when both are reported. If both heights are equal, the wave with the longer period is selected.

Wave period is the interval in seconds between the passage of two successive crests or troughs of well-formed waves past a fixed point. Waves in the same system usually occur in a sequence of a few large, well-formed waves followed by an interval in which only small and poorly-formed waves occur, and another series of well-formed waves, etc. Observers aboard ship determine the values of wave height, period, and direction generally using only the well-formed waves and ignoring poorly-formed waves. To describe a similar sea state from a measured wave record, a statistical approach is used to describe the significant wave height ($\overline{H}$ 1/3) which is the average of the highest one-third of the measured waves. This roughly approximates the characteristic height observed visually from aboard ship. To determine the period of wind waves or swell, the observer needs only to select a distinctive patch of foam or a small floating object at some distance from the ship. As the object falls astern, a new one is selected. The elapsed time is determined to the nearest second between the instant when the object is on the crest of the first and of the last well-formed wave in the group. Noting the number of crests that pass under the object during the interval permits computation of the average period. An experienced observer needs only to observe a few representative wave “sets” to derive the average period.

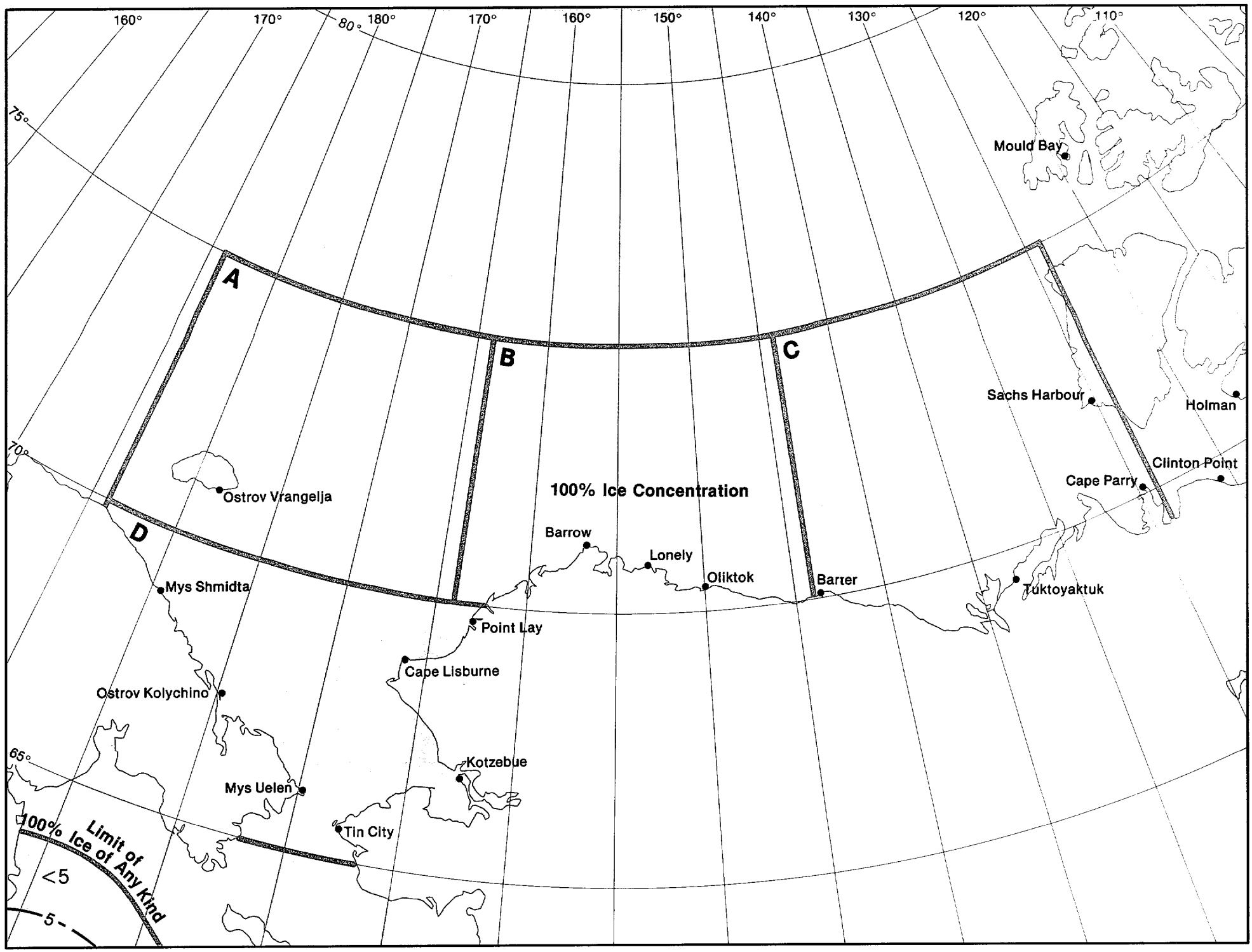
The number of observations noted on the graphs **is** that of those observations reporting both wave height and period. The wave height isopleth presentations are for a generally hazardous sea condition (wave heights equal to or greater than 12 feet). Refer to the texts of Sets 14 and 18-21 for complete information on waves.



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

January

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6–7	8–9	10–11	12–13	>13	I ND
0–.5	9						81
1–1.5	5				1		4
2–2.5							
3–3.5							
4–5.5							
6–7.5							
8–9.5							
≧10							

77

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6–7	8–9	10–11	12–13	>13	I ND
0–.5	10						90
1–1.5							
2–2.5							
3–3.5							
4–5.5							
6–7.5							
8–9.5							
≧10							

60

Marine Area C

No Data Available

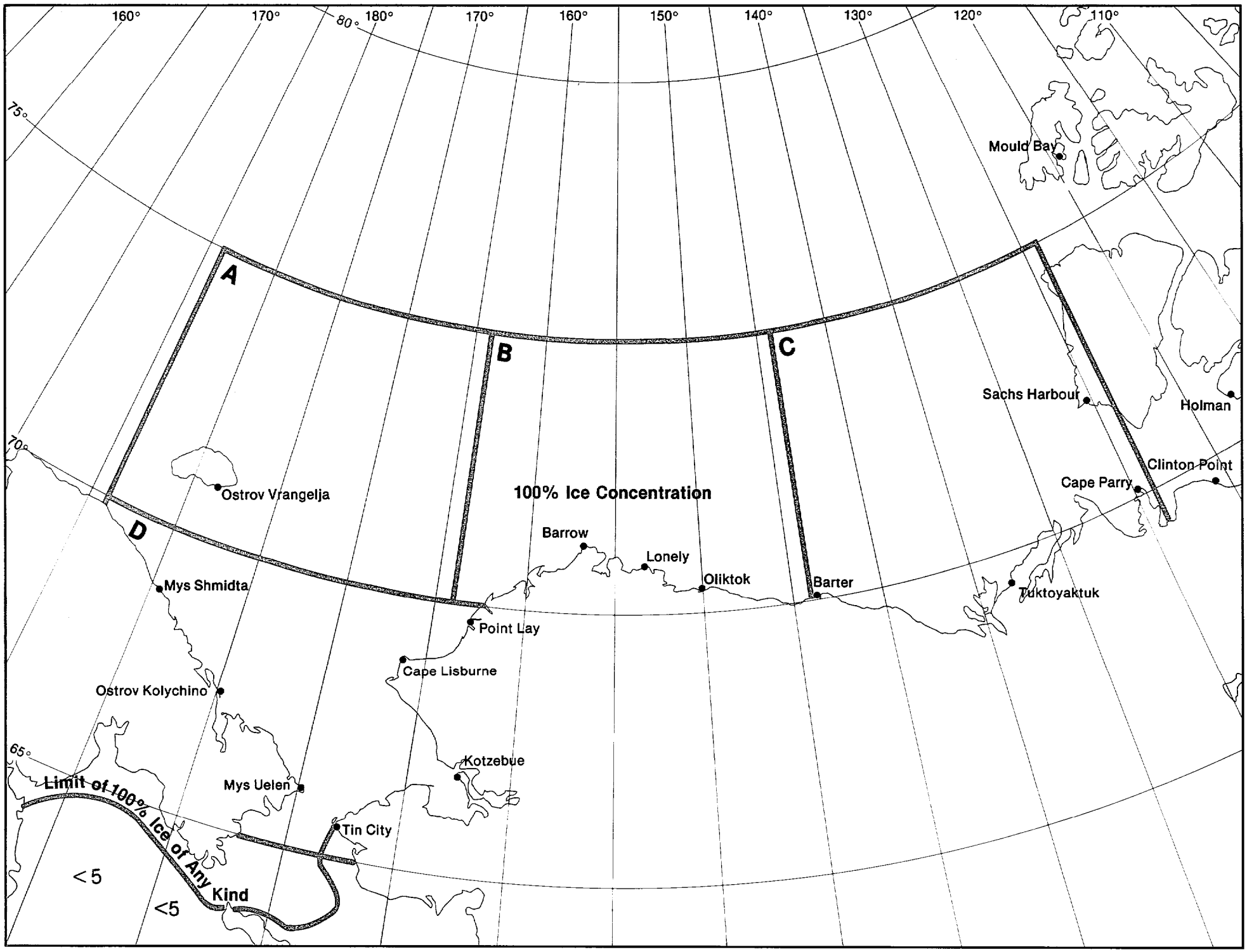
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6–7	8–9	10–11	12–13	>13	I ND
0–.5							94
1–1.5	1						1
2–2.5		2					
3–3.5		1					
4–5.5							
6–7.5							
8–9.5							
≧10							

80

March

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	26						62
1-1.5							
2-2.5	5	5		3			
3-3.5							
4-5.5							
6-7.5							
8-9.5							
≧10							

39

Marine Area B

No Data Available

Marine Area C

No Data Available

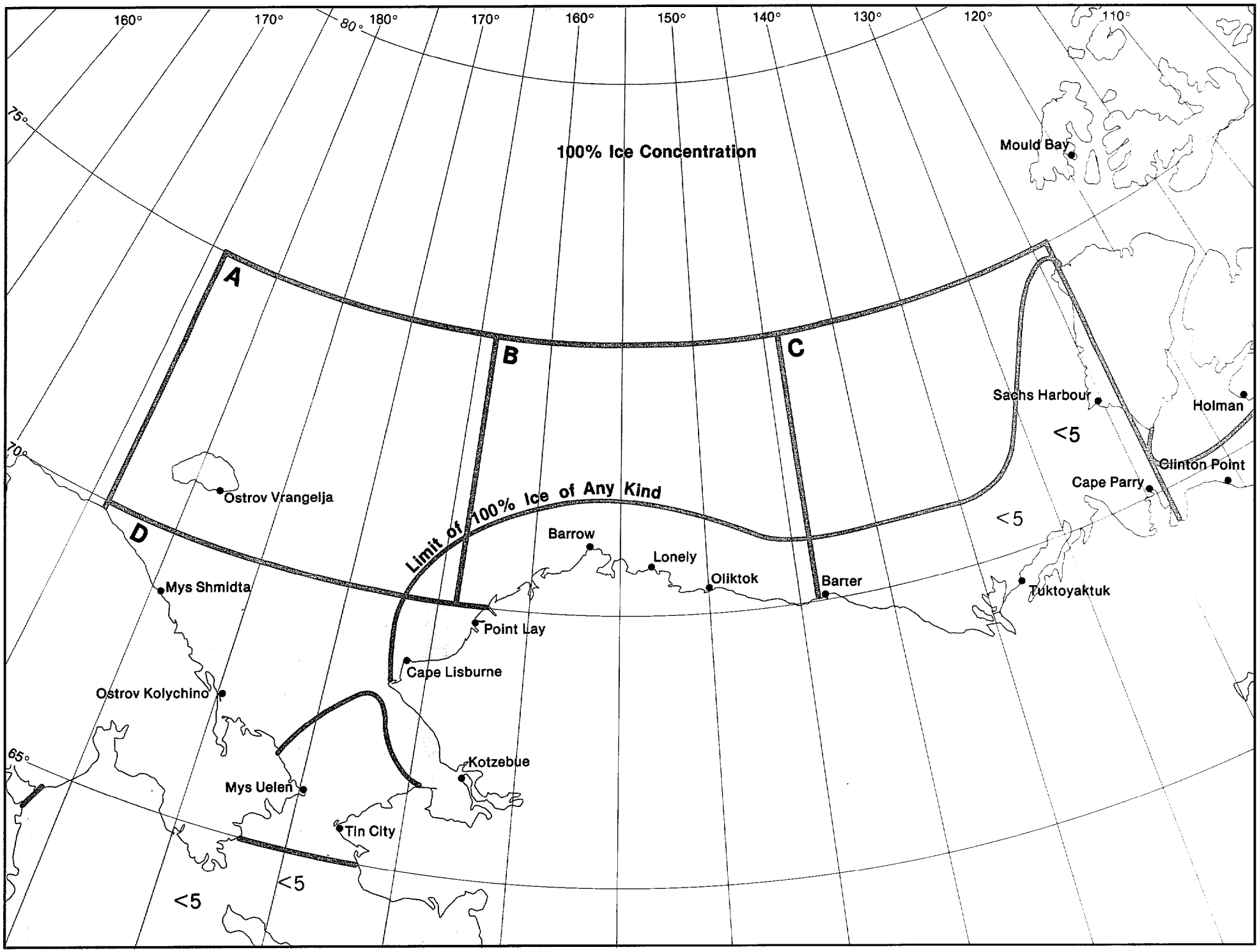
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	11						88
1-1.5				1			
2-2.5							
3-3.5							
4-5.5							
6-7.5							
8-9.5							
≧10							

98

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet

April



Marine Area A

No Data Available

Marine Area B

No Data Available

Marine Area C

No Data Available

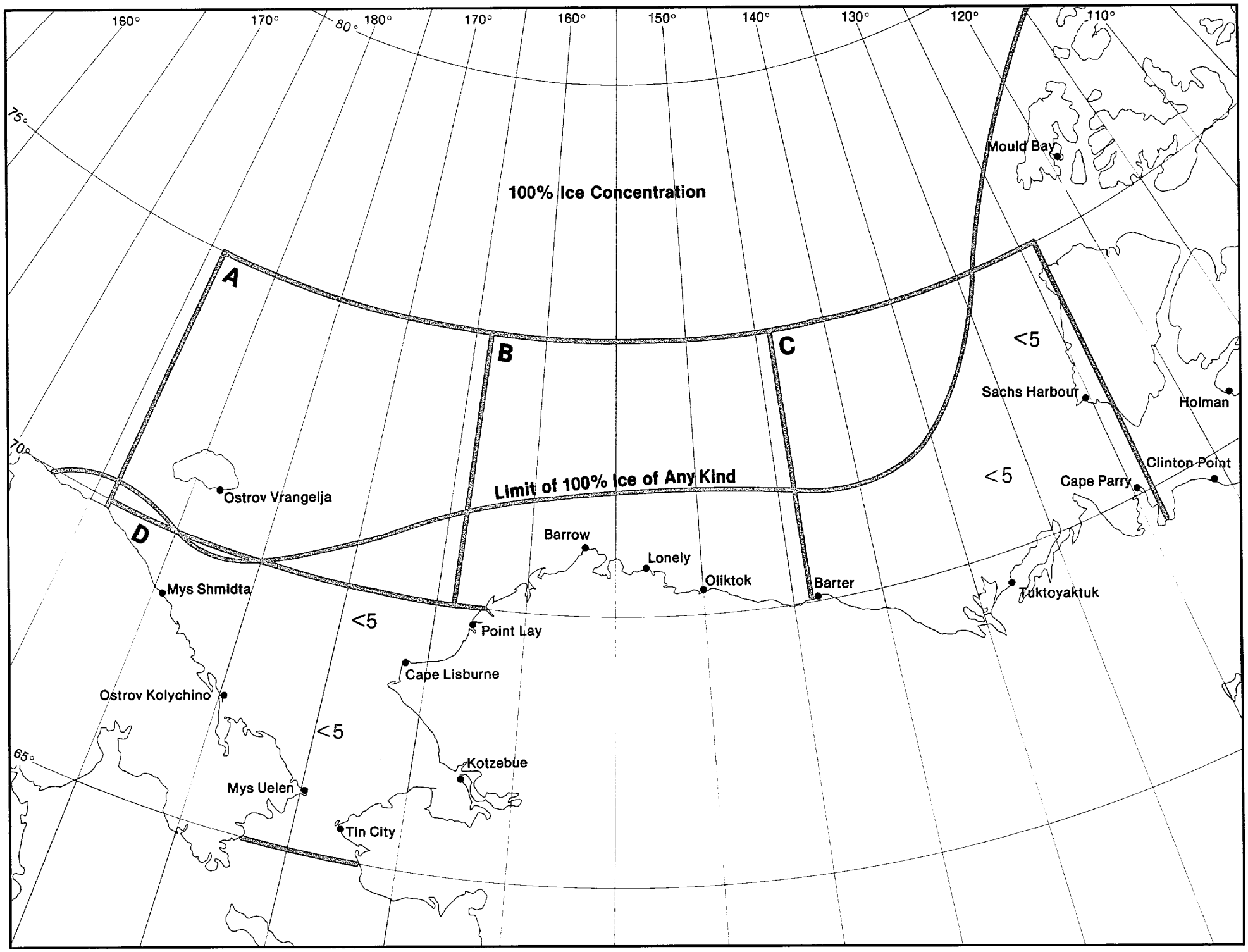
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	13						70
1-1.5	14	2					
2-2.5							
3-3.5							
4-5.5							
6-7.5							
8-9.5							
≧10							

122

May

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet



Marine Area A

No Data Available

Marine Area B

No Data Available

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	26						4
1-1.5	53	1					1
2-2.5	14	1					
3-3.5							
4-5.5	1						
6-7.5	1						
8-9.5							
≧10							

124

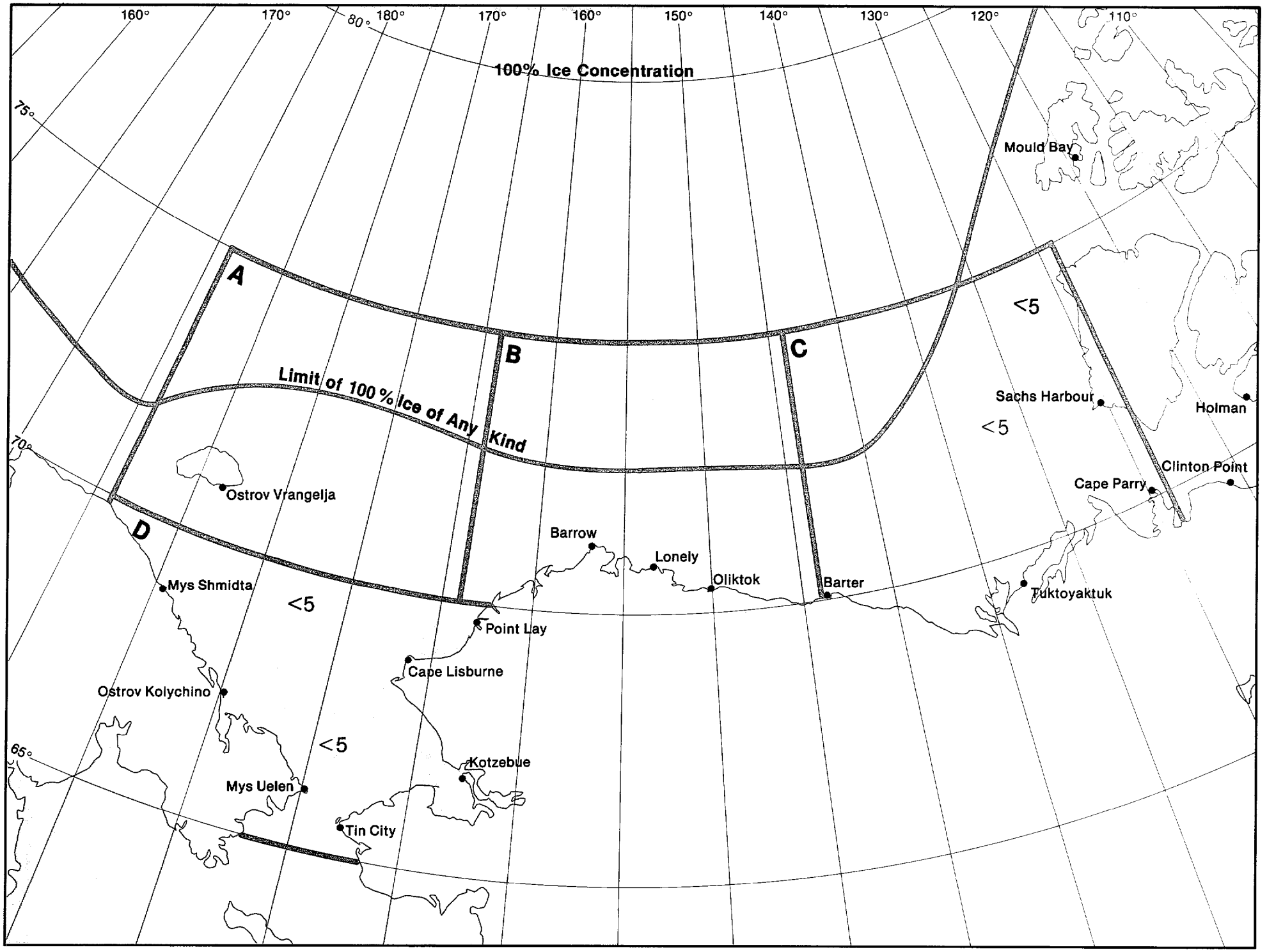
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	27	1		1			55
1-1.5	11	1		1			2
2-2.5	1	+					+
3-3.5			+				
4-5.5							
6-7.5							
8-9.5							
≧10							

407

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet

June



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	23	+		1			55
1-1.5	13	2	1				3
2-2.5	+	1					+
3-3.5							
4-5.5							+
6-7.5							
8-9.5							
≧10							

200

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	20	2	+	+			66
1-1.5	5	3	+	1			+
2-2.5	1	+	+	+			+
3-3.5	+	+		+			+
4-5.5				+			+
6-7.5							
8-9.5							
≧10							

1115

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	31	1	+				37
1-1.5	21	2		+			+
2-2.5	3	2	+		+		+
3-3.5	1	1		+			
4-5.5	+	+		+			+
6-7.5							+
8-9.5							
≧10							

1638

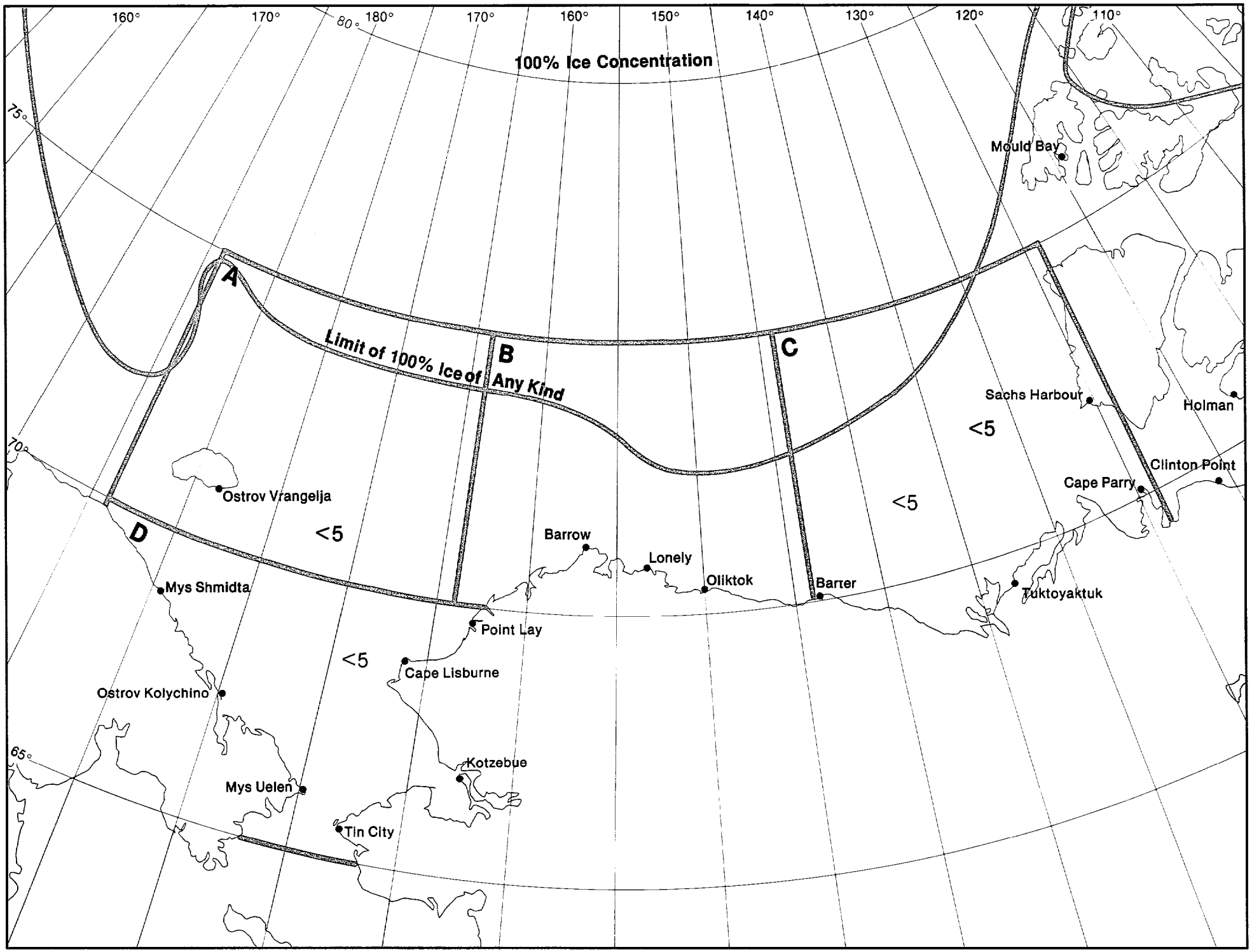
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	30	2	+	+			25
1-1.5	22	6	1	+	+	+	4
2-2.5	2	2	1	+	+		1
3-3.5	+	1	+	+			+
4-5.5	+	+		+		+	+
6-7.5						+	
8-9.5				+			
≧10							

2104

July

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	29	1	2				42
1-1.5	13	4	1				4
2-2.5		1	+				1
3-3.5		1					+
4-5.5				+			+
6-7.5							1
8-9.5							
≧10							

363

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	27	1	1	+			54
1-1.5	10	3	+	+	+	+	+
2-2.5	1	1	+				
3-3.5	+	+	+				+
4-5.5	+			+		+	
6-7.5							
8-9.5							
≧10							

2490

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	27	1	+				34
1-1.5	26	2	+	+	+	+	1
2-2.5	4	2	+			+	+
3-3.5	+	+	+	+			+
4-5.5	+	+		+			+
6-7.5	+						
8-9.5							
≧10							

4824

Marine Area D

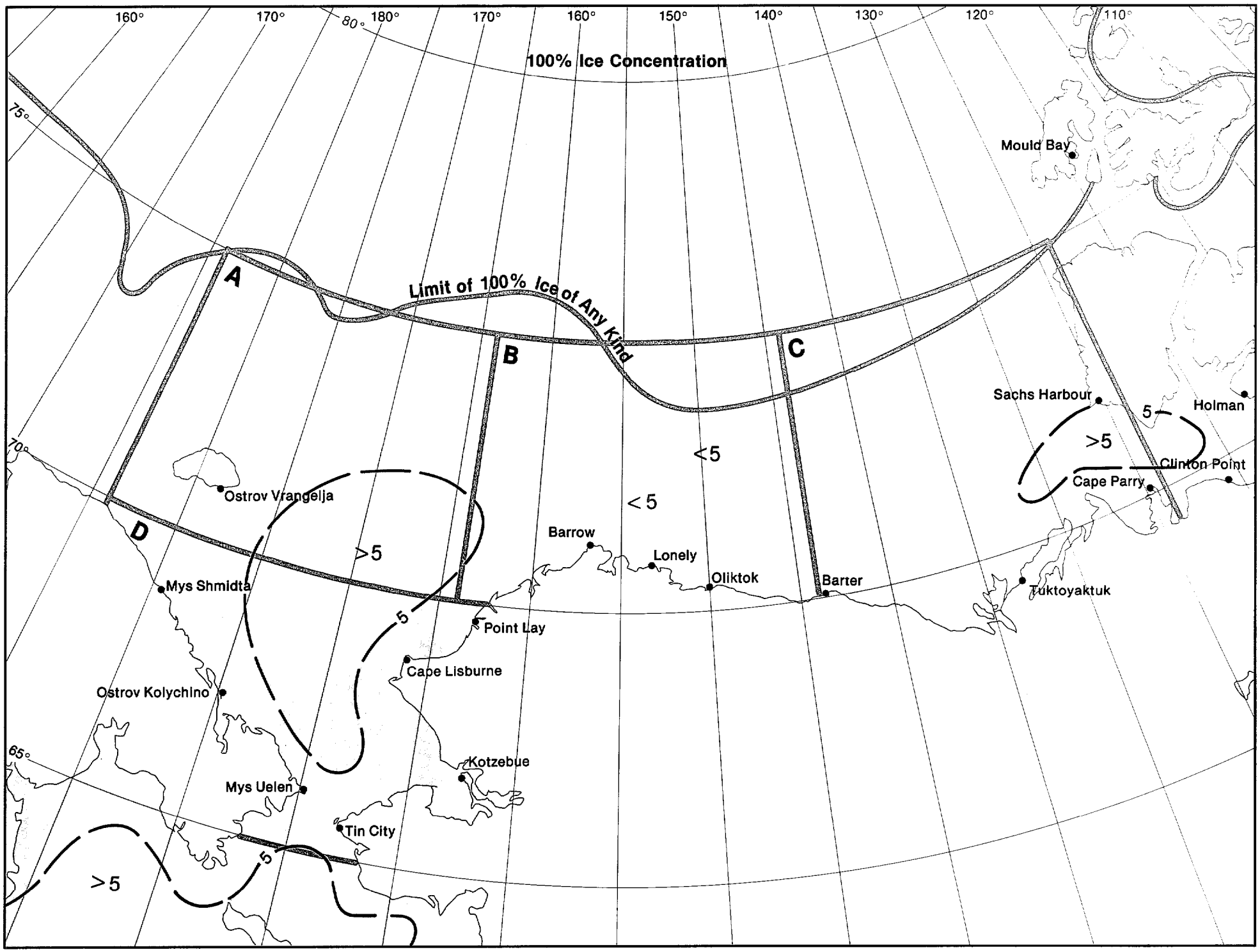
WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	26	2	+	+			17
1-1.5	25	7	2	+	+	+	7
2-2.5	4	3	1	+	+	+	1
3-3.5	1	1	1		+	+	+
4-5.5	+	+		+		+	+
6-7.5		+				+	+
8-9.5							
≧10							

1838

20 Wave Height and Period

August

Wave Height ≥12 and ≥20 Feet



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	19	1	1	1			29
1-1.5	22	4	2		1	+	3
2-2.5	3	7	1	+		+	1
3-3.5	1	2	+				
4-5.5		1	1				
6-7.5		+	+				
8-9.5							
≥10							

516

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	28	1	+	1			38
1-1.5	18	4	1	+	+	1	+
2-2.5	3	2	+		+		
3-3.5	1	+	+			+	
4-5.5	+	+	+			+	
6-7.5							
8-9.5							
≥10							

1591

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	24	1	+				31
1-1.5	25	4	+	+	+		+
2-2.5	6	6	1				+
3-3.5	+	1	+		+	+	+
4-5.5	+	+	+	+			+
6-7.5							
8-9.5							
≥10							

4450

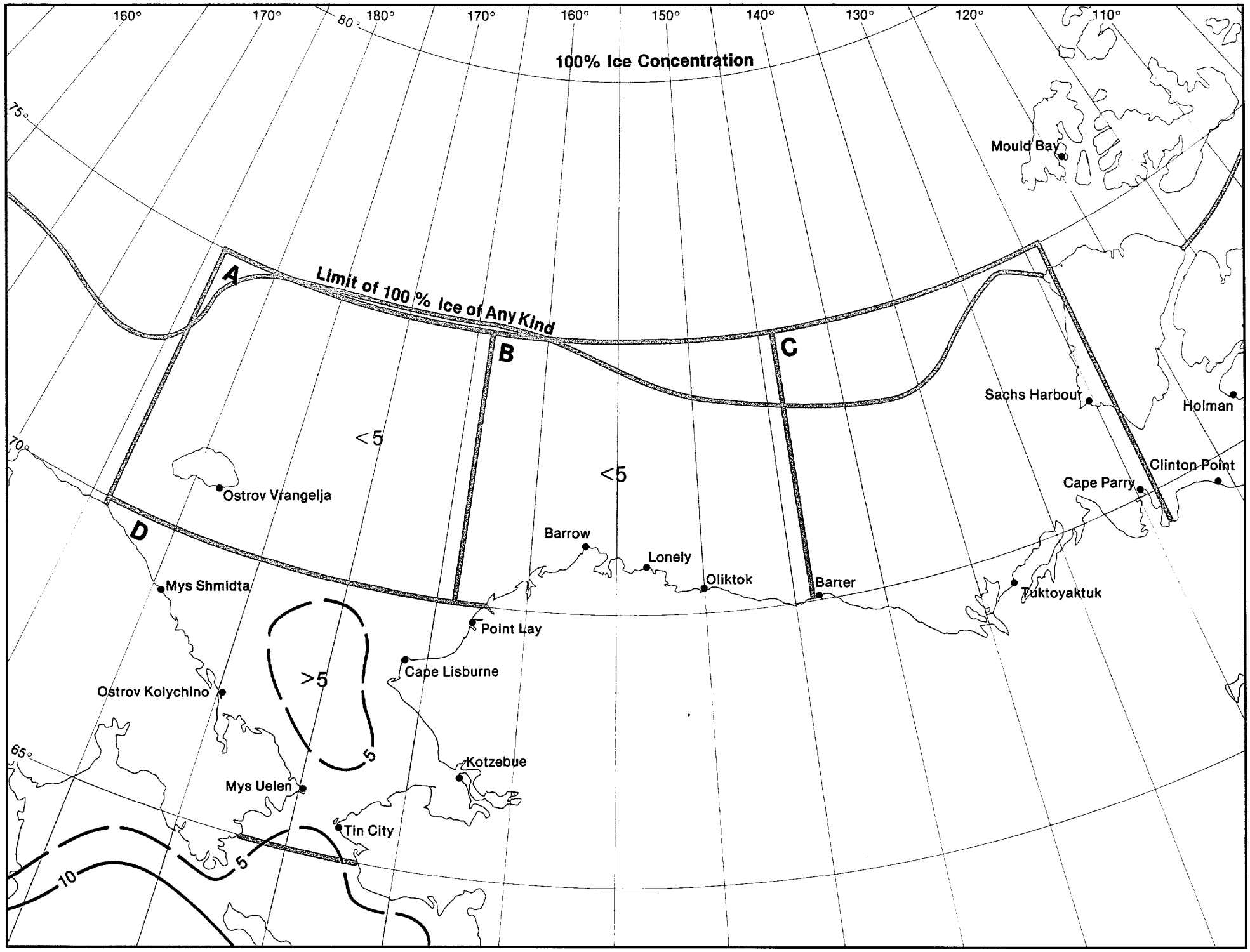
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	19	2	+	+			10
1-1.5	28	9	2	+	+	+	4
2-2.5	6	7	2	+	+	+	2
3-3.5	1	3	1	1	+	+	+
4-5.5	+	1	+	+	+		+
6-7.5		+	+	+			
8-9.5		+					
≥10							

1830

September

20 Wave Height and Period
Wave Height ≥ 12 and ≥ 20 Feet



Marine Area A

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	7	1					70
1-1.5	7	3	1				2
2-2.5	4	1	1				3
3-3.5							
4-5.5		1					
6-7.5							
8-9.5							
≥10							

181

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	22	+					58
1-1.5	12	2					+
2-2.5	2	3					
3-3.5							
4-5.5					+		
6-7.5							
8-9.5							
≥10							

236

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	11	1					54
1-1.5	16	4	+				
2-2.5	5	5	1		+		+
3-3.5	+	2	1	+			
4-5.5		+	+				+
6-7.5							
8-9.5							
≥10							

2025

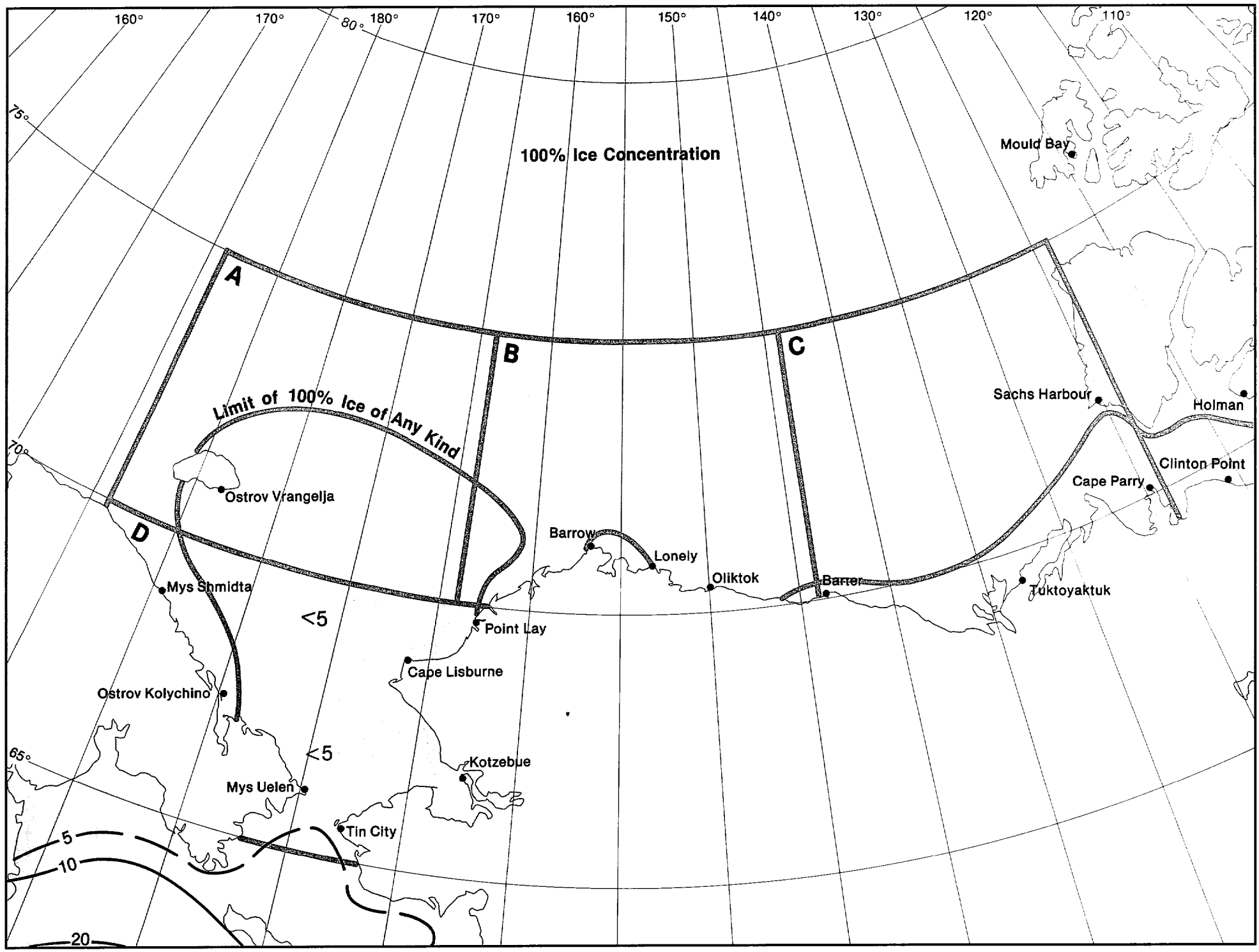
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	IND
0-.5	16	+	+				8
1-1.5	29	4	1	+	+	+	7
2-2.5	13	4	2		1	+	2
3-3.5	2	4	2	+	+	+	1
4-5.5	+	+	1			+	
6-7.5		+		+		+	
8-9.5			+		+		
≥10							

700

20 Wave Height and Period
Wave Height ≥12 and ≥20 Feet

October



Marine Area A

No Data Available

Marine Area B

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	I ND
0-.5							85
1-1.5	8						
2-2.5	8						
3-3.5							
4-5.5							
6-7.5							
8-9.5							
≧10							

13

Marine Area C

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	I ND
0-.5						1	97
1-1.5	+	1					
2-2.5	+						+
3-3.5							
4-5.5							
6-7.5							
8-9.5							
≧10							

307

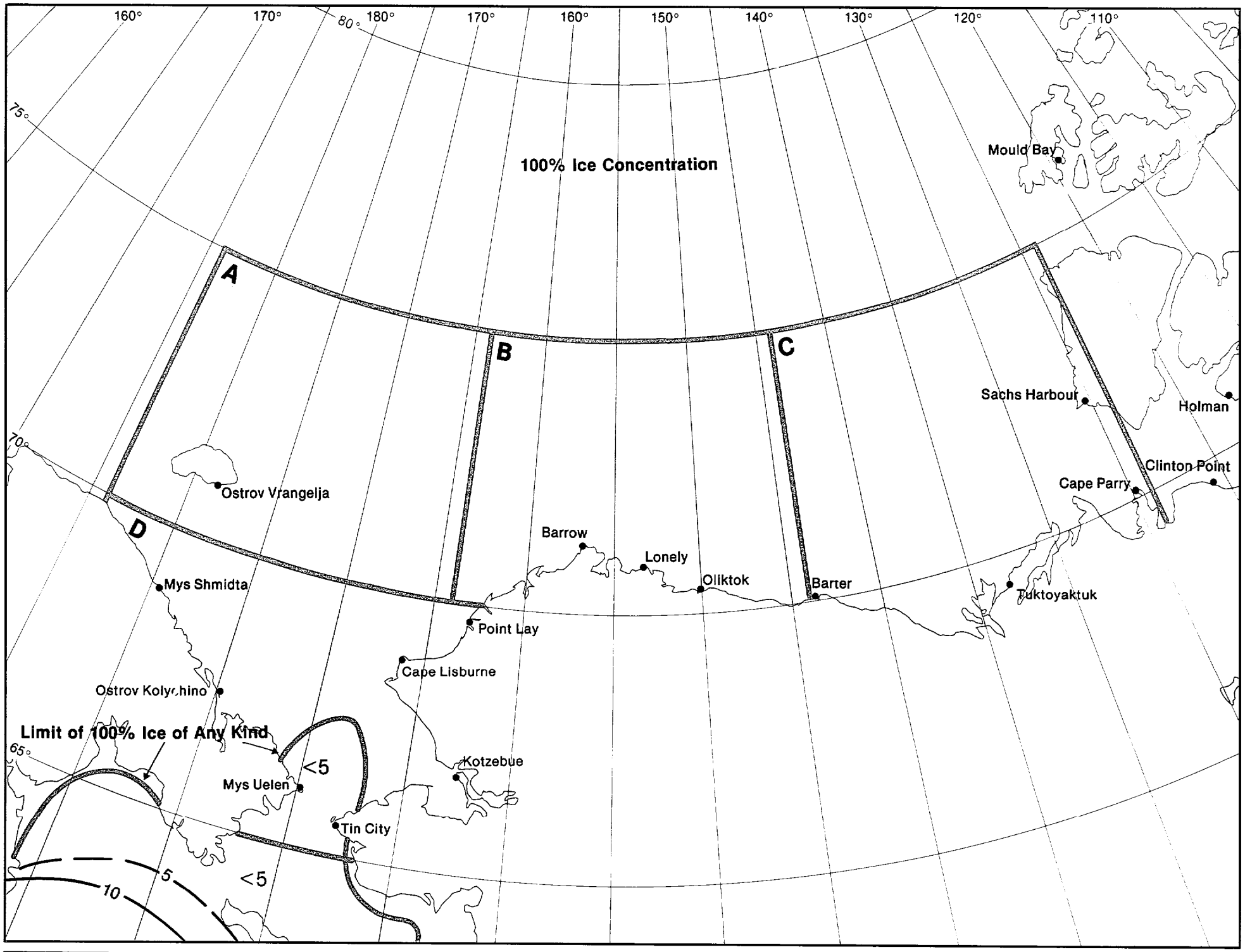
Marine Area D

WAVE HEIGHT (MTRS)	PERIOD (sec) <6	6-7	8-9	10-11	12-13	>13	I ND
0-.5	14						14
1-1.5	24	4					
2-2.5	12	18					2
3-3.5		2	2				
4-5.5			8				
6-7.5							
8-9.5							
≧10							

49

November

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

20 Wave Height and Period
Wave Height ≧12 and ≧20 Feet

December

Map 21. Wave height thresholds

TABLE – Wave height frequencies.

Albers Equal-Area Conic Projection

Graphs: Wave height thresholds

Wave height frequencies.

WAVE HEIGHT (M)	%
o - o . 5	10.0
l-l.5	20 . 0
2-2.5	[illegible]
3-3.5	20 . 0
4—5.5	10.0
≧6.0	10.0
N=	1363

Percent frequency of various ranges within the area.

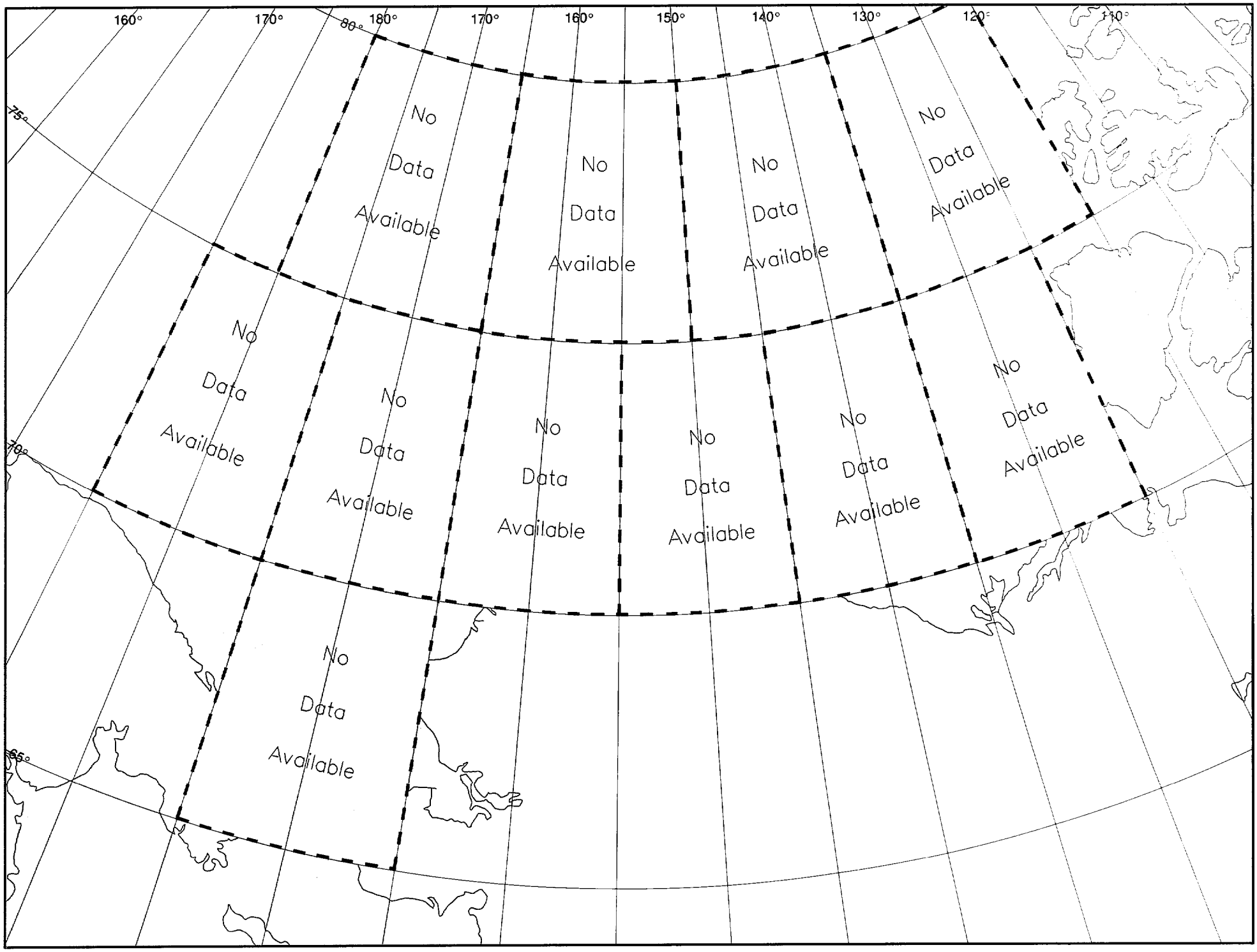
(30.0% of all observed wave heights were in the range 2 to 2.5 meters.)

N = Observation count.

Wave data for these tables were selected from the higher of sea or swell when both were reported.

The wave height should be estimated from the best available point on the ship that permits the height of the waves to be compared to the height of the ship. The point of observation should be chosen amidships where the pitching of the vessel is at a minimum, and the wave height should be estimated when the ship is on an even keel. In general, it has been found by comparing instrument measurements to “eyeball” estimates that small wave heights are underestimated while large wave heights are overestimated. Theoretically, the wave height cannot exceed 1113 of the wave length, measured from trough to trough. When both sea and swell, or two systems of swell, are present at the same time, the observer first estimates the higher system of waves and then repeats the process for the lower system.

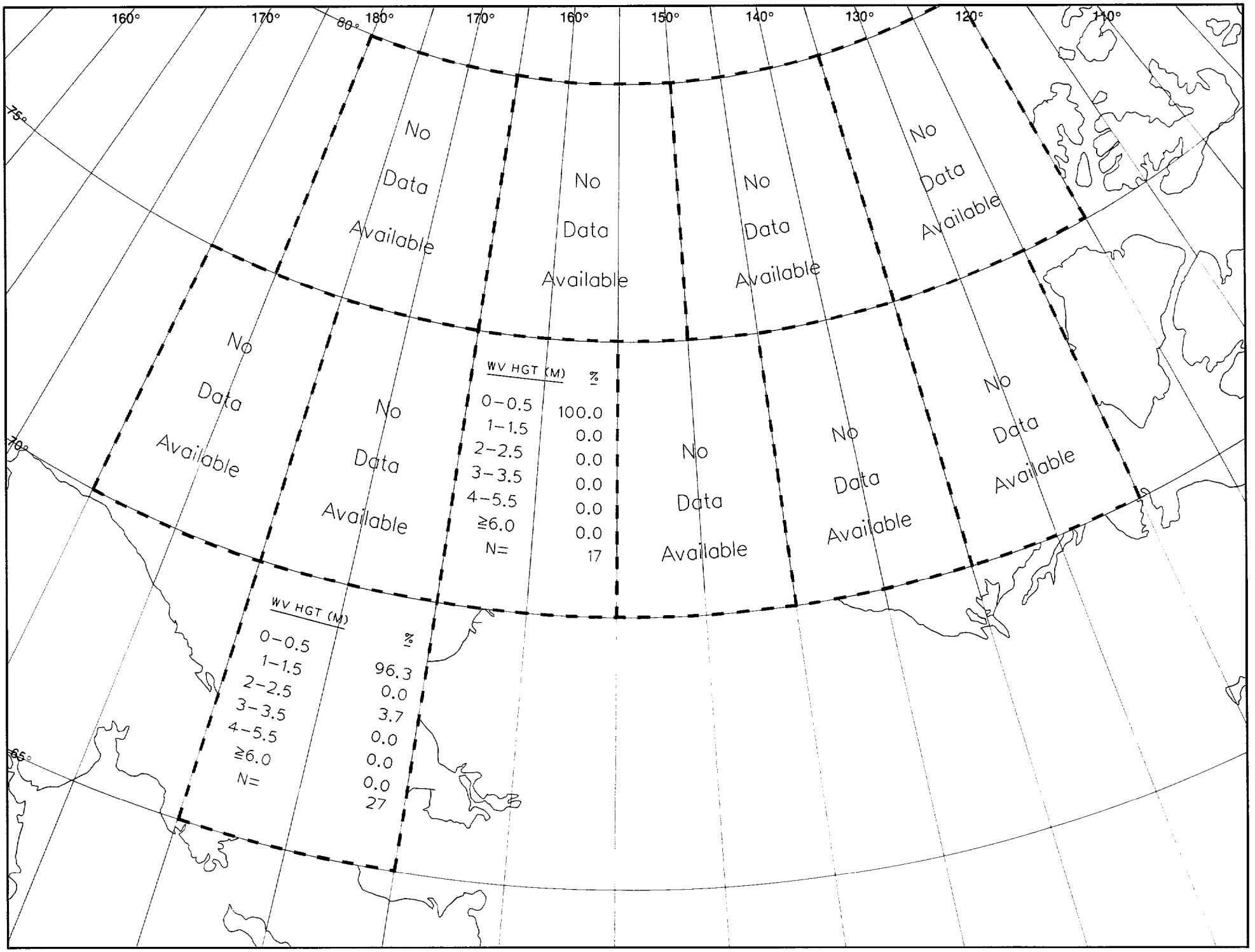
Swell direction may be determined by “eyeball” or by sighting from a compass along wave crests and adding or subtracting 90°. Ship’s true heading can also be used to determine the direction from which swells are approaching. The higher the observation point, the easier it is to determine swell direction. The average of several observations, rounded to the nearest 10°, should be used as the observed swell direction. Refer to the texts for Sets 14 and 18-21 for complete information on waves.



Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

January

21 Wave Height Thresholds



Marine Area A

No Data Available

Marine Area B

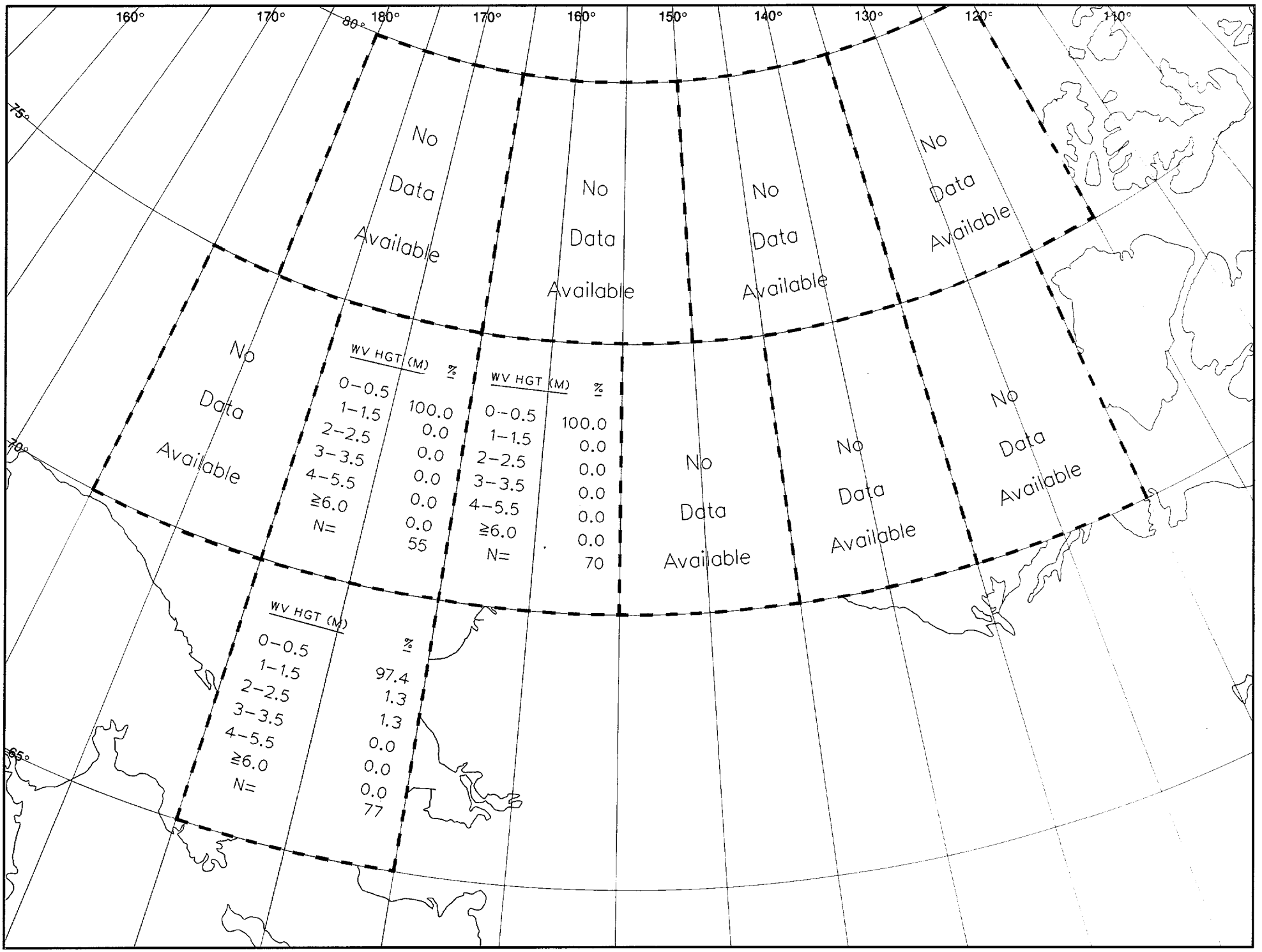
WAVE HEIGHT (M)	%
0–0.5	100.0
1–1.5	0.0
2–2.5	0.0
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	16

Marine Area C

No Data Available

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	93.3
1–1.5	0.0
2–2.5	6.7
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	30



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	89.6
1–1.5	10.4
2–2.5	0.0
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	77

Marine Area B

WAVE HEIGHT (M)	%
0–0.5	100.0
1–1.5	0.0
2–2.5	0.0
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	60

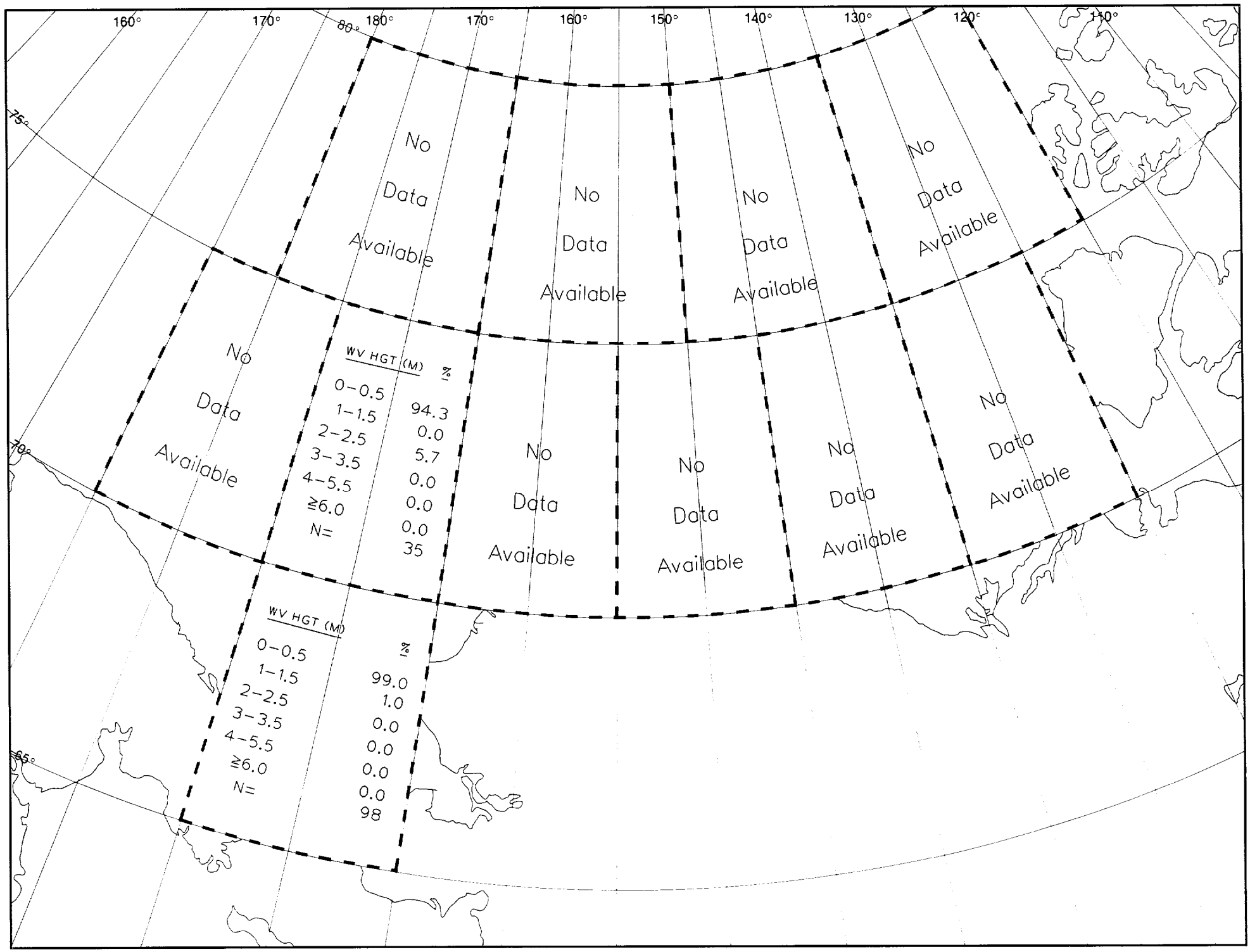
Marine Area C

No Data Available

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	93.8
1–1.5	2.5
2–2.5	2.5
3–3.5	1.3
4–5.5	0.0
≧6.0	0.0
N=	80

March **21 Wave Height Thresholds**



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	87.2
1–1.5	0.0
2–2.5	12.8
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	39

Marine Area B

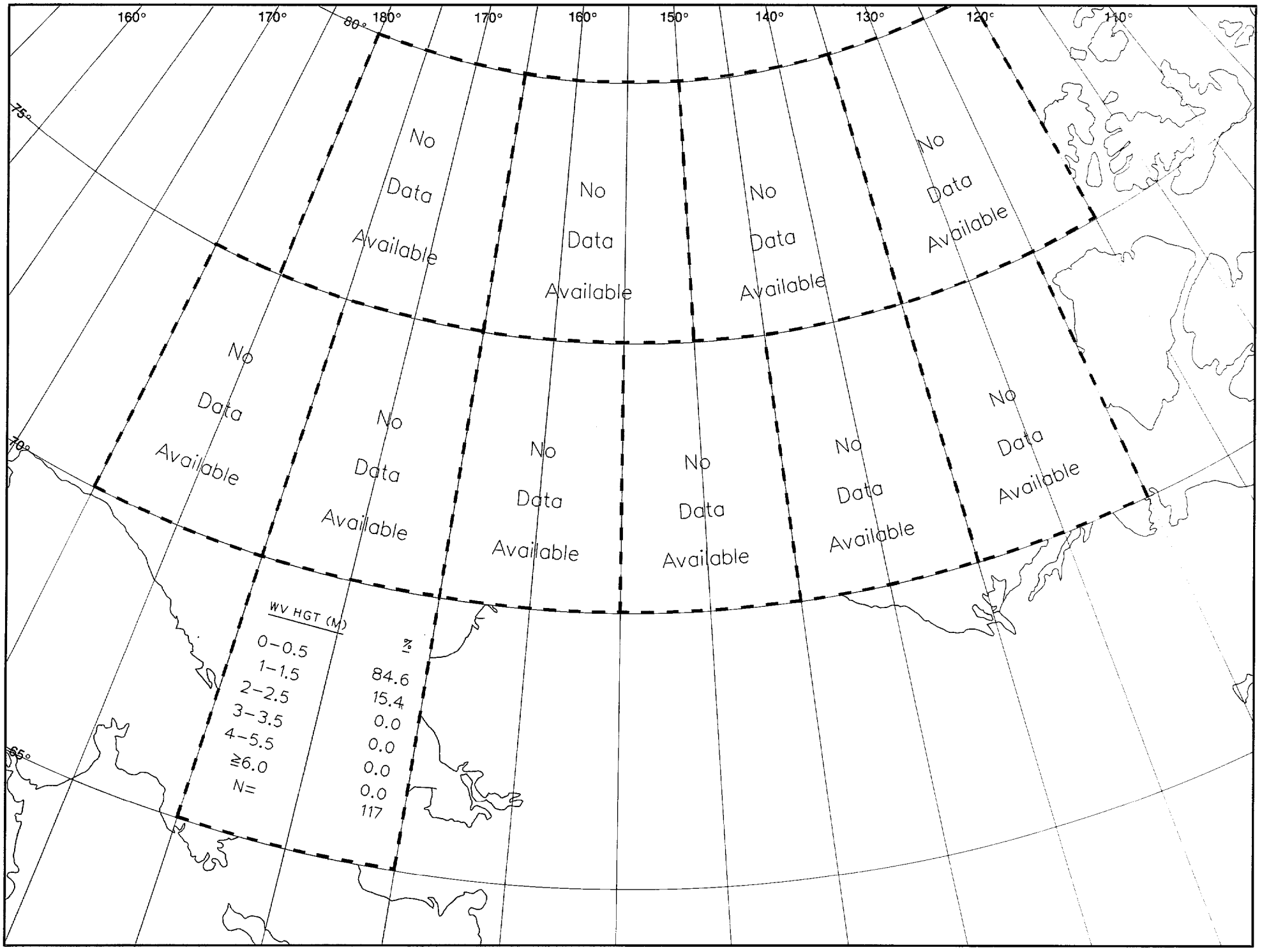
No Data Available

Marine Area C

No Data Available

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	99.0
1–1.5	1.0
2–2.5	0.0
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	98



Marine Area A

No Data Available

Marine Area B

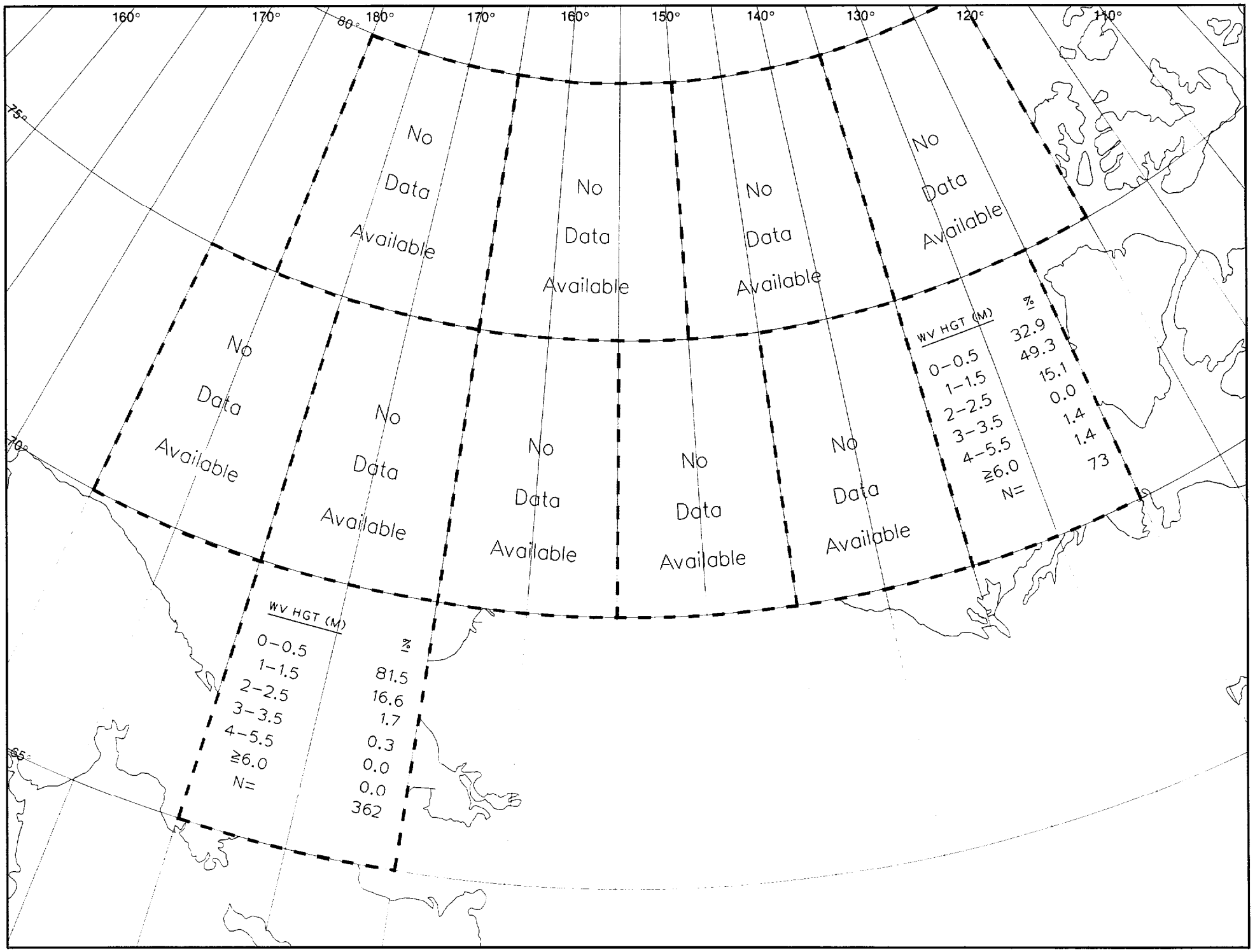
No Data Available

Marine Area C

No Data Available

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	83.6
1–1.5	16.4
2–2.5	0.0
3–3.5	0.0
4–5.5	0.0
≥6.0	0.0
N=	122



Marine Area A

No Data Available

Marine Area B

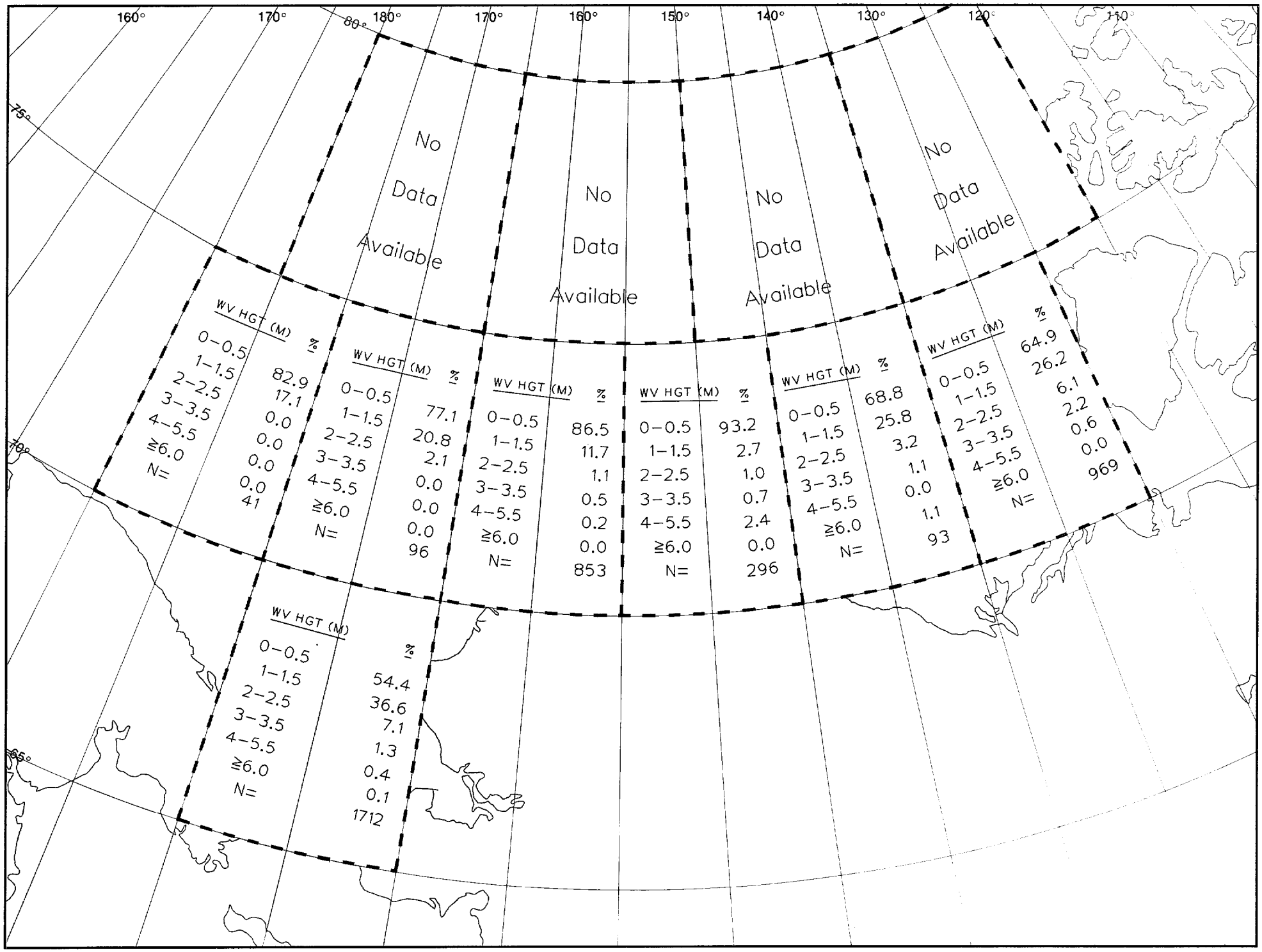
No Data Available

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	29.8
1–1.5	54.0
2–2.5	14.5
3–3.5	0.0
4–5.5	0.8
≧6.0	0.8
N=	124

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	83.0
1–1.5	15.0
2–2.5	1.7
3–3.5	0.2
4–5.5	0.0
≧6.0	0.0
N=	407



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	79.5
1–1.5	19.0
2–2.5	1.5
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	200

Marine Area B

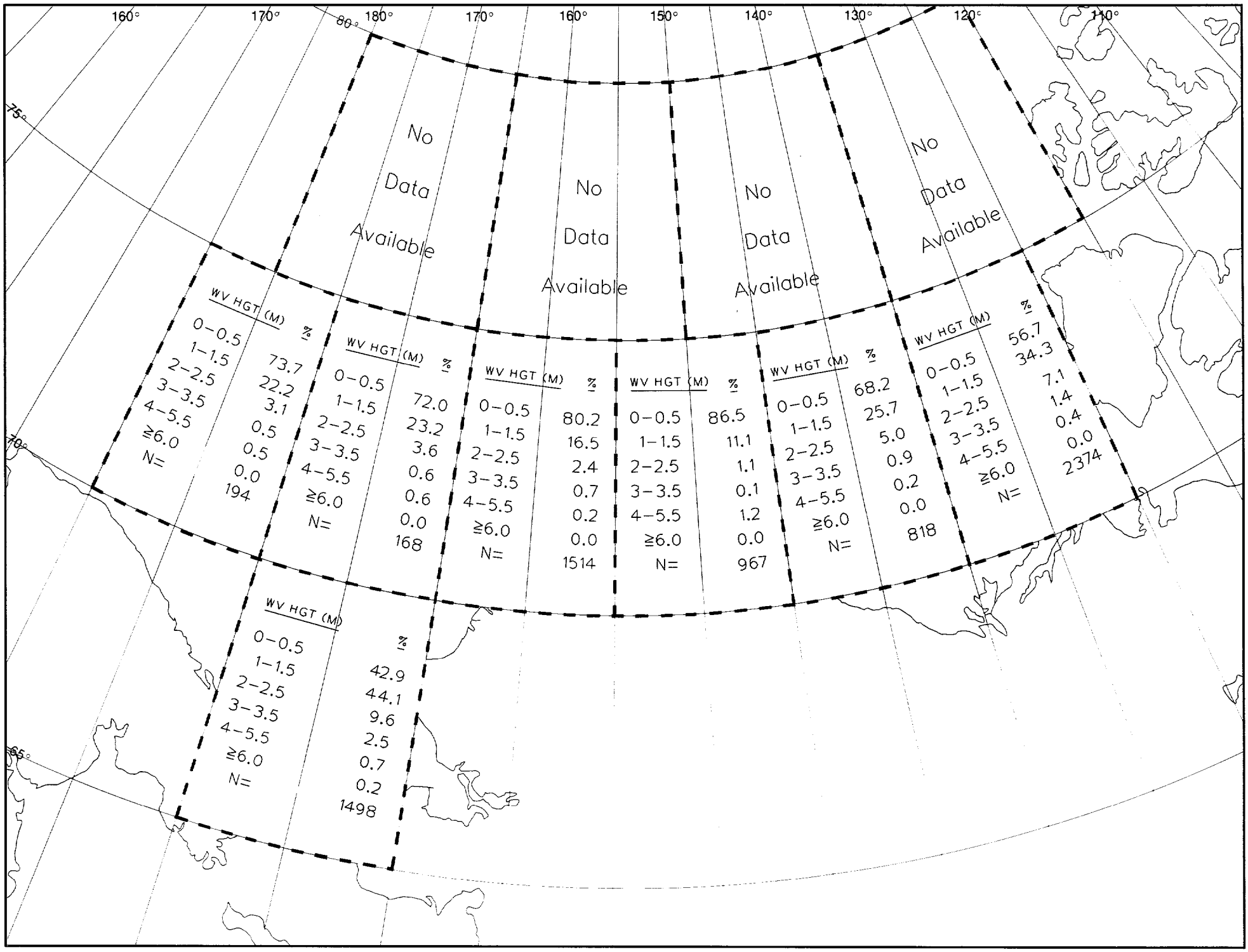
WAVE HEIGHT (M)	%
0–0.5	88.4
1–1.5	9.2
2–2.5	1.0
3–3.5	0.5
4–5.5	0.8
≧6.0	0.0
N=	1115

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	68.5
1–1.5	23.7
2–2.5	5.6
3–3.5	1.7
4–5.5	0.4
≧6.0	0.1
N=	1638

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	58.9
1–1.5	33.1
2–2.5	6.3
3–3.5	1.2
4–5.5	0.3
≧6.0	0.1
N=	2104



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	74.4
1–1.5	21.8
2–2.5	2.5
3–3.5	0.8
4–5.5	0.6
≧6.0	0.0
N=	363

Marine Area B

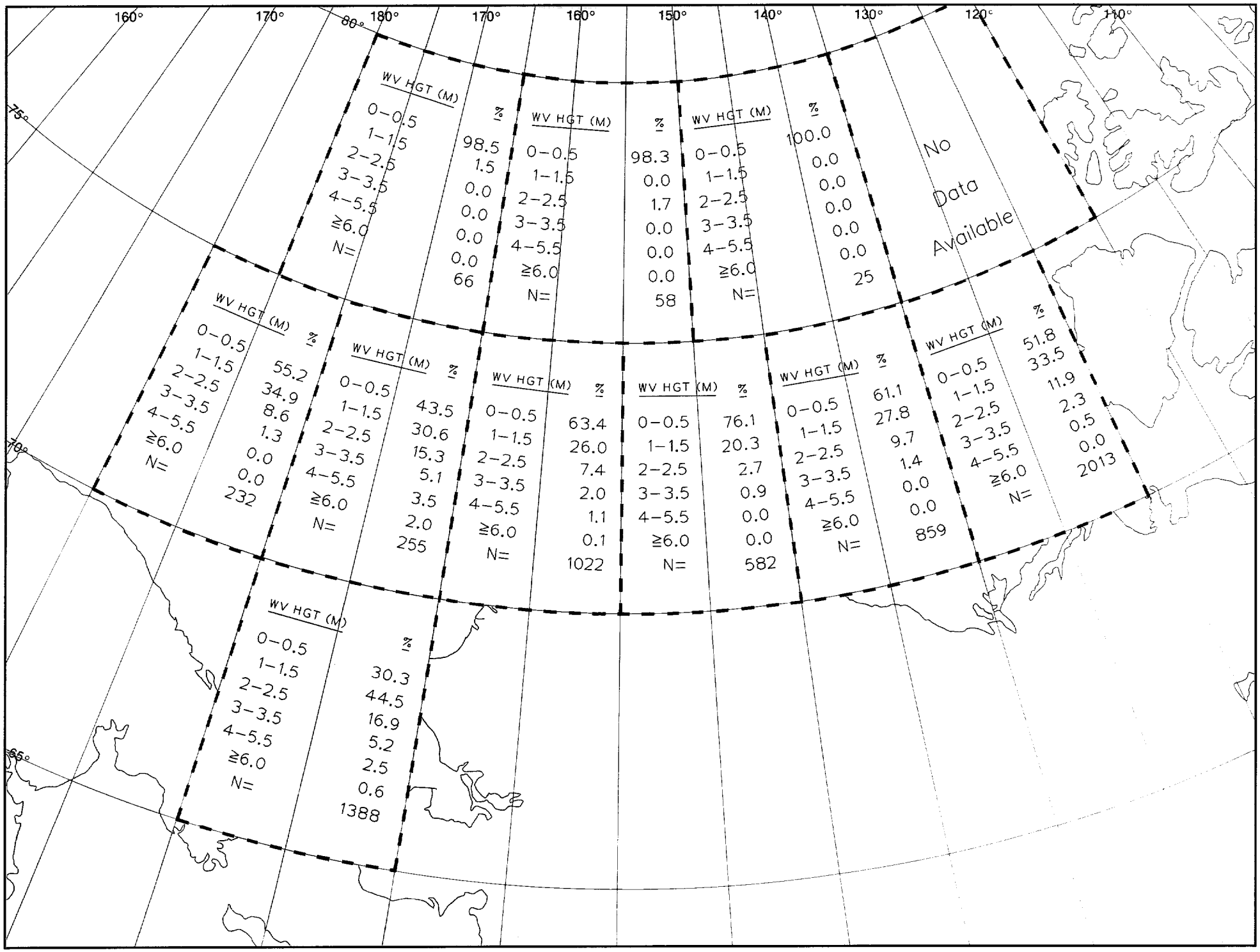
WAVE HEIGHT (M)	%
0–0.5	82.9
1–1.5	14.1
2–2.5	1.9
3–3.5	0.4
4–5.5	0.6
≧6.0	0.0
N=	2490

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	63.1
1–1.5	29.2
2–2.5	6.4
3–3.5	1.0
4–5.5	0.4
≧6.0	0.0
N=	4824

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	45.4
1–1.5	41.8
2–2.5	9.6
3–3.5	2.3
4–5.5	0.8
≧6.0	0.2
N=	1838



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	50.8
1–1.5	30.6
2–2.5	12.2
3–3.5	3.3
4–5.5	1.9
≧6.0	1.2
N=	516

Marine Area B

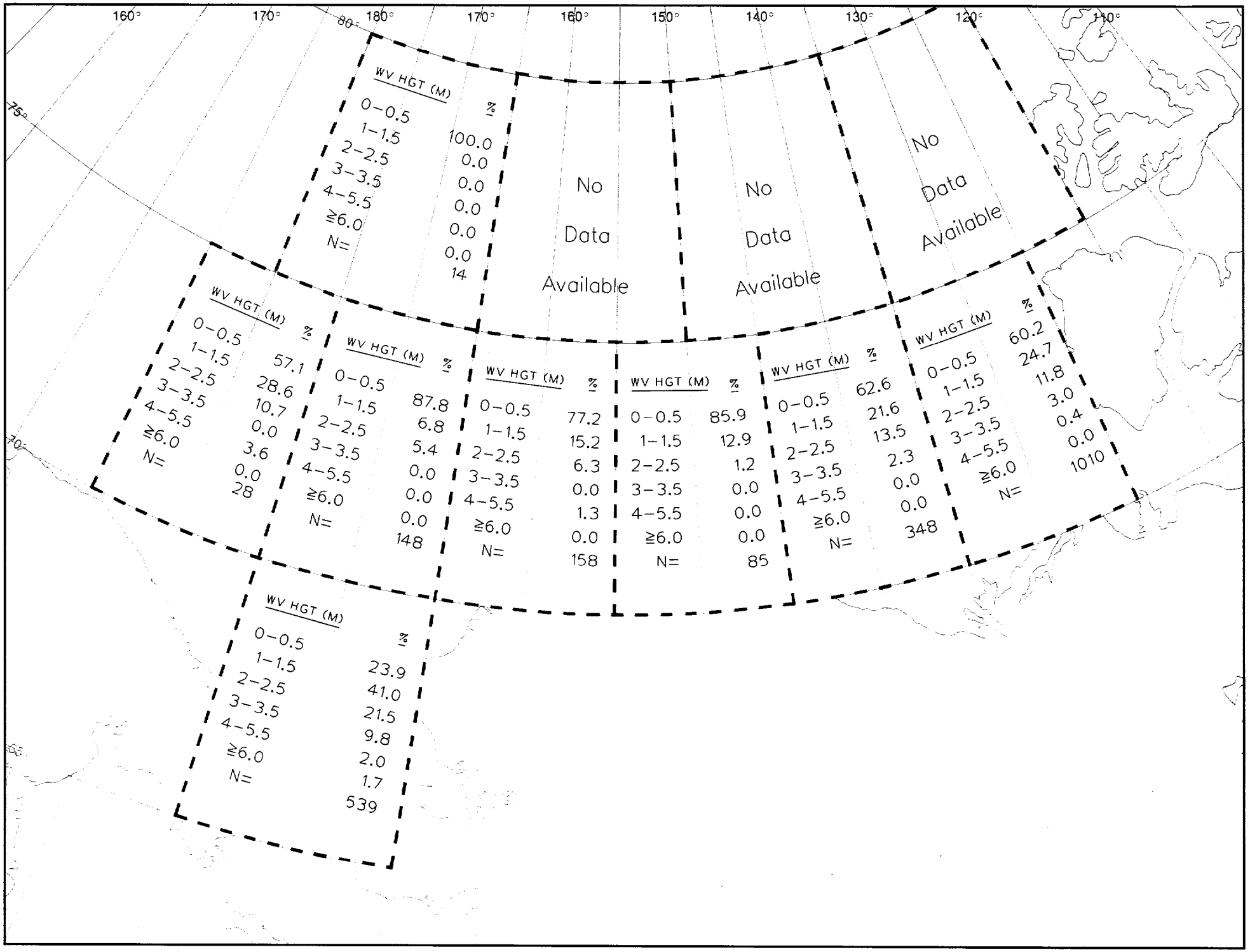
WAVE HEIGHT (M)	%
0–0.5	68.4
1–1.5	23.8
2–2.5	5.6
3–3.5	1.6
4–5.5	0.6
≧6.0	0.0
N=	1591

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	55.5
1–1.5	30.2
2–2.5	12.1
3–3.5	1.8
4–5.5	0.4
≧6.0	0.0
N=	4450

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	30.4
1–1.5	42.4
2–2.5	18.1
3–3.5	6.2
4–5.5	2.5
≧6.0	0.4
N=	1830



Marine Area A

WAVE HEIGHT (M)	%
0–0.5	77.3
1–1.5	12.2
2–2.5	9.4
3–3.5	0.0
4–5.5	1.1
≧6.0	0.0
N=	181

Marine Area B

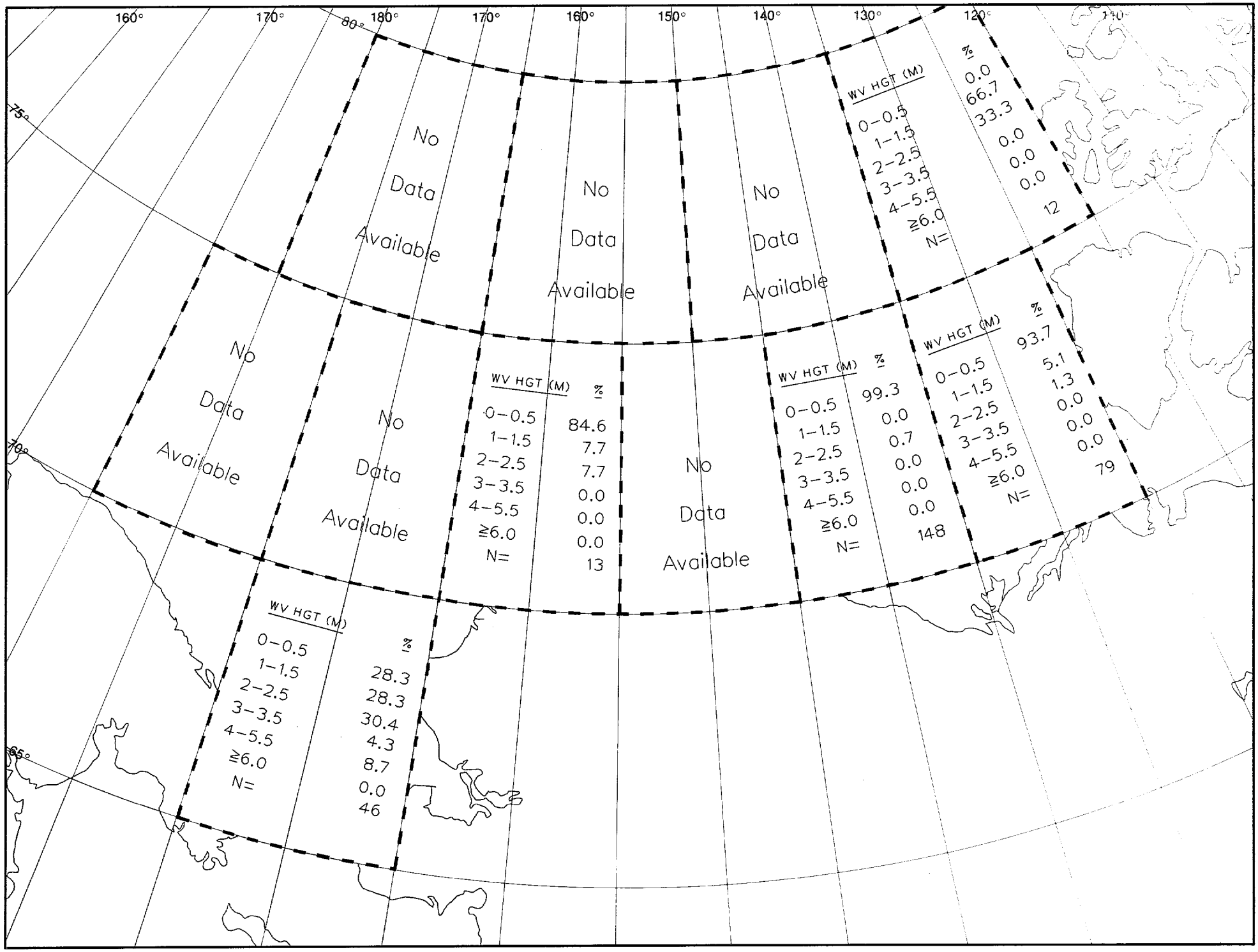
WAVE HEIGHT (M)	%
0–0.5	80.5
1–1.5	14.4
2–2.5	4.7
3–3.5	0.0
4–5.5	0.4
≧6.0	0.0
N=	236

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	66.1
1–1.5	19.5
2–2.5	11.0
3–3.5	3.2
4–5.5	0.3
≧6.0	0.0
N=	2025

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	24.7
1–1.5	41.0
2–2.5	22.0
3–3.5	9.0
4–5.5	2.0
≧6.0	1.3
N=	700



Marine Area A

No Data Available

Marine Area B

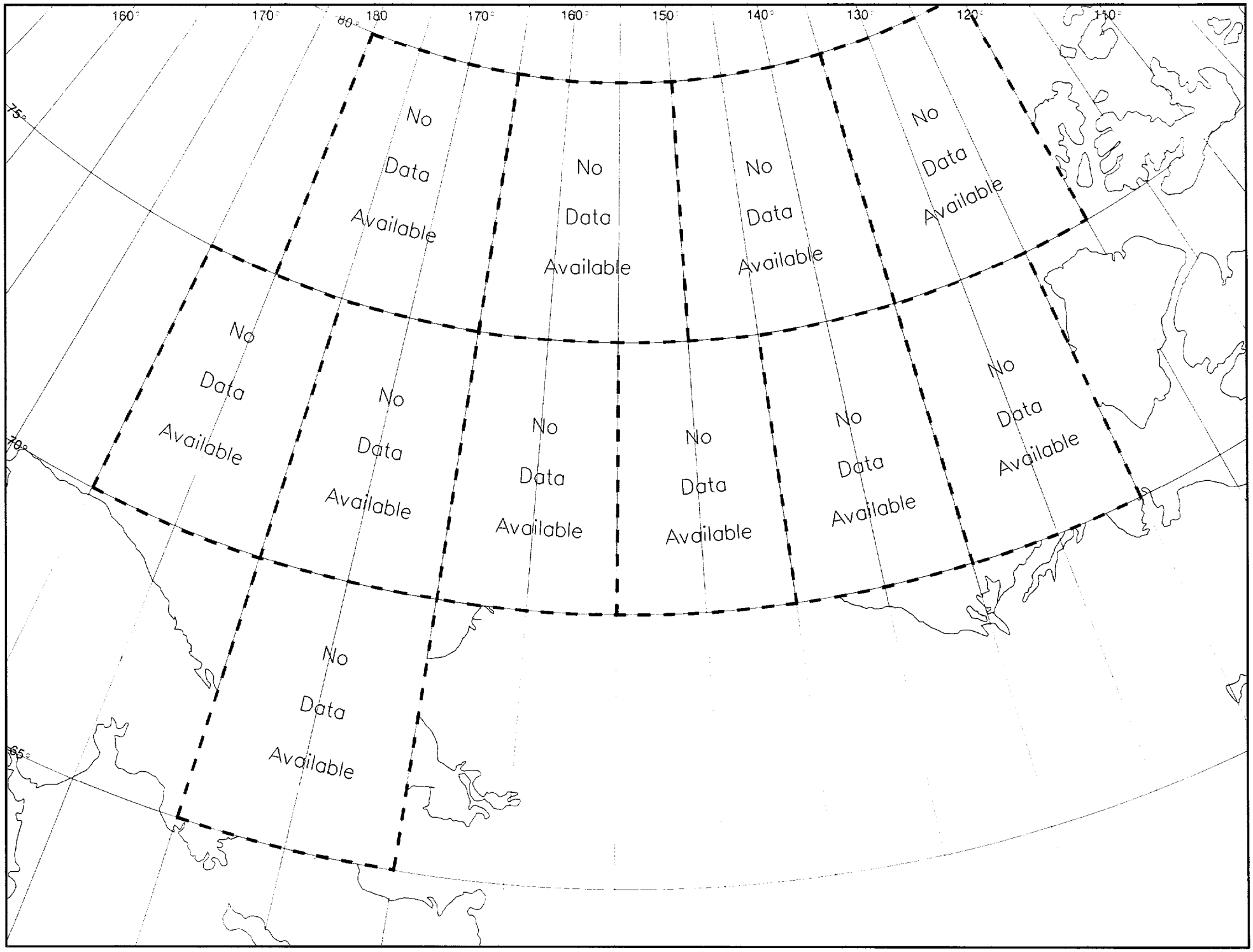
WAVE HEIGHT (M)	%
0–0.5	84.6
1–1.5	7.7
2–2.5	7.7
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	13

Marine Area C

WAVE HEIGHT (M)	%
0–0.5	98.0
1–1.5	1.3
2–2.5	0.7
3–3.5	0.0
4–5.5	0.0
≧6.0	0.0
N=	307

Marine Area D

WAVE HEIGHT (M)	%
0–0.5	28.6
1–1.5	28.6
2–2.5	30.6
3–3.5	4.1
4–5.5	8.2
≧6.0	0.0
N=	49



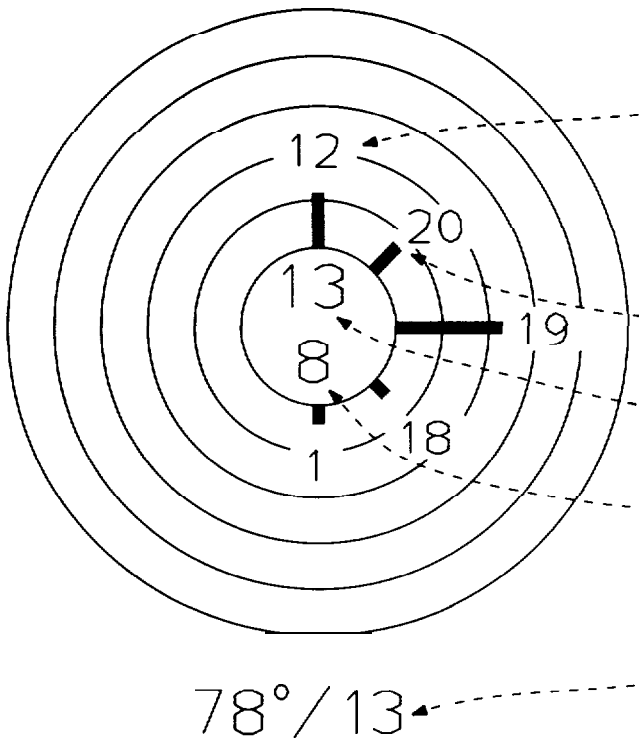
Marine Area A	Marine Area B	Marine Area C	Marine Area D
No Data Available	No Data Available	No Data Available	No Data Available

Map 22. Low pressure center movement

ROSE – Percent frequency of low pressure center movement.

BLACK ARROWS – Preferred storm tracks (solid for primary tracks, dashed for secondary tracks).

Exact Cylindrical Equidistant Projection



Six hour movementa of low pressure centers considering only closed circulations.

Mean speed: Printed figures at the end of each bar represent the mean speed of movement (In knots) toward the indicated dlrectlon.

(Low pressure centers moving toward the N had a mean speed of 12 knots.)

Direction frequency: Bars represent percent frequency of six hour movements toward each dlrectlon. Each circle represents *20%.*

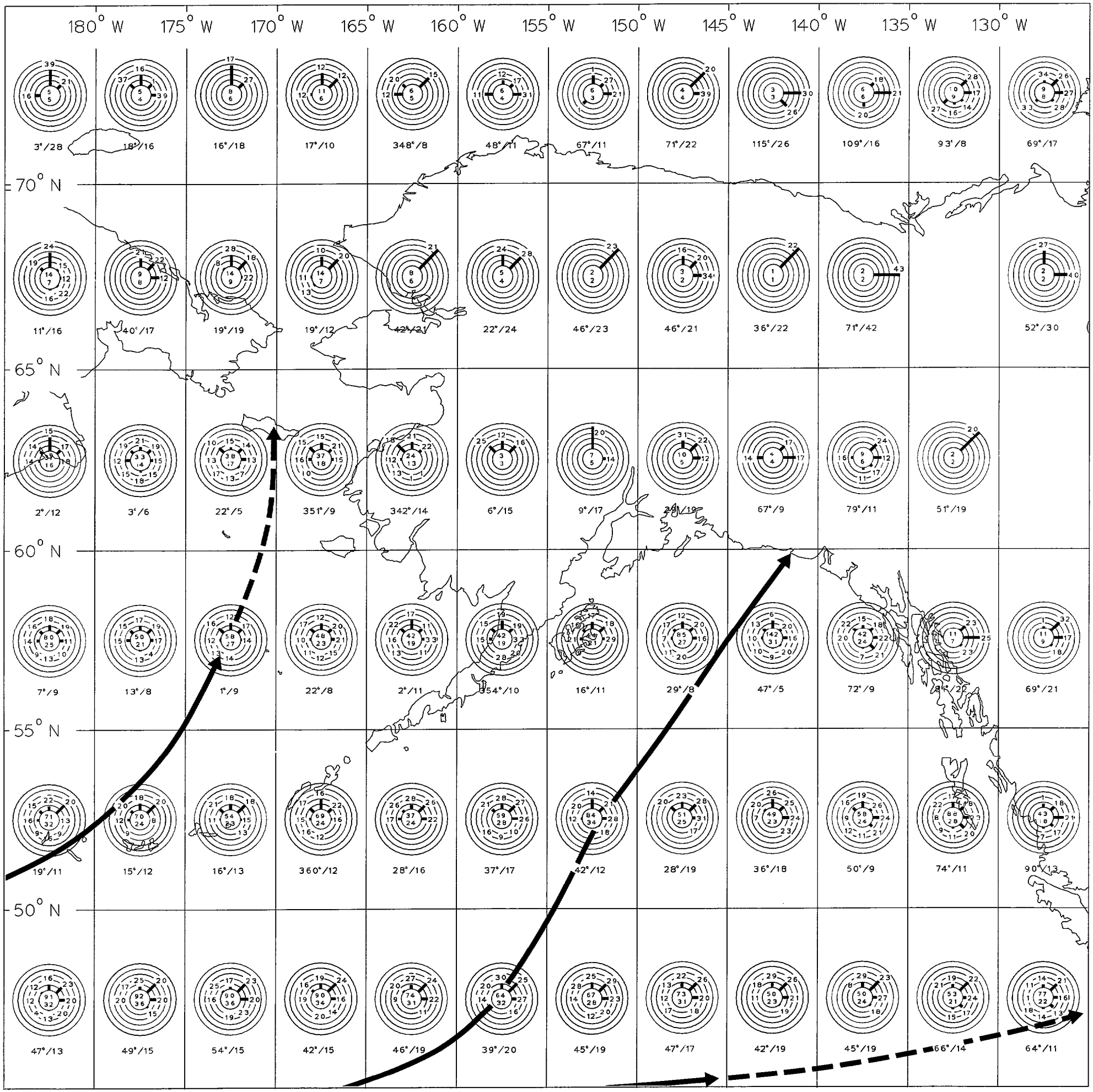
(18% of all six hour movements were toward the NE.)

(Statistics for this rose are based on 13 six hour movements.)

(8 low pressure centers were observed In the 5' X 5' area during the 20 year period of record 1/66-12/85.)

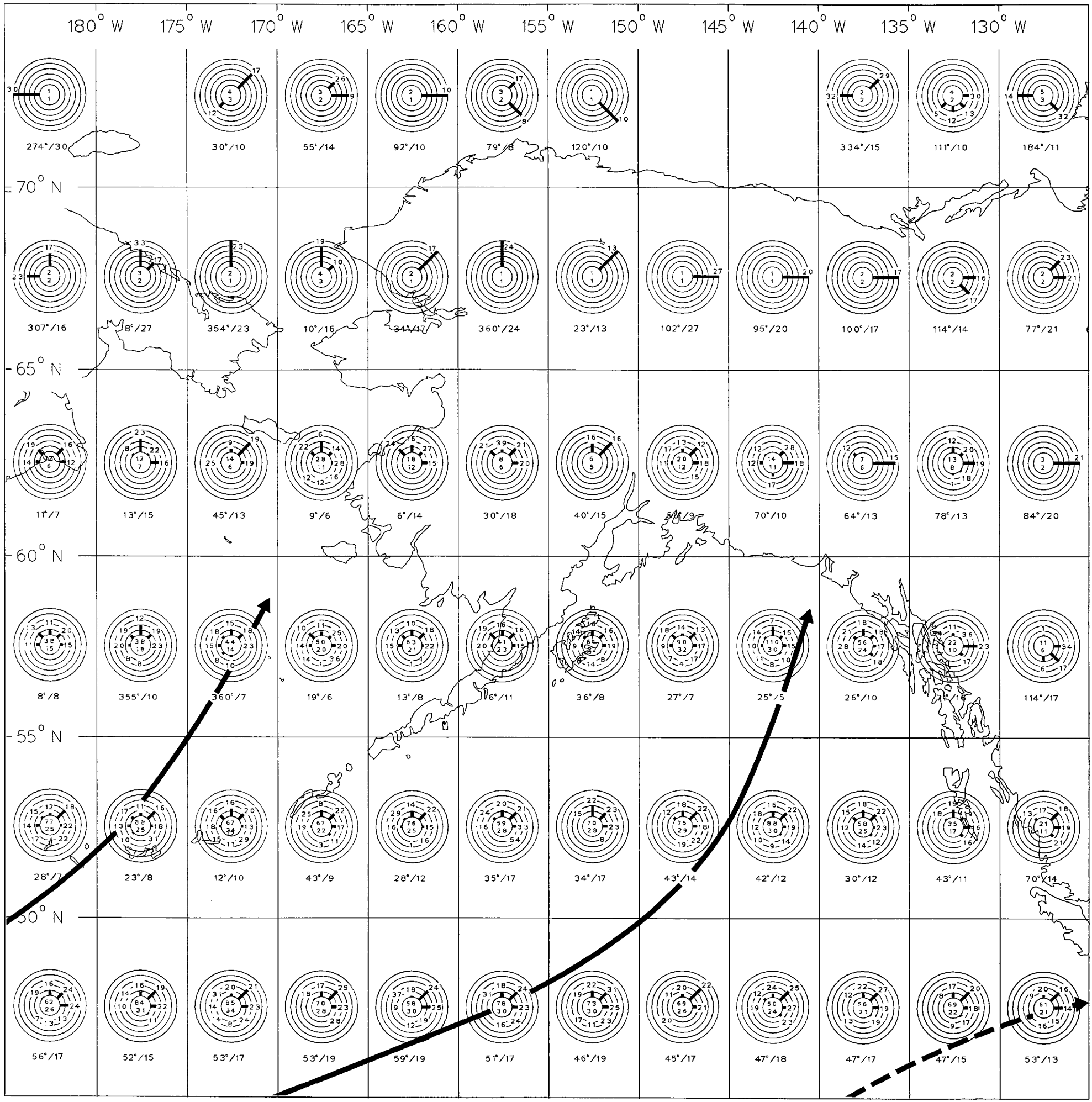
(Mean vector movement of all centers was toward 78° (ENE) at 13 knots.)

Refer to the introductory text for Section II for more information on low pressure center movement and preferred storm tracks.

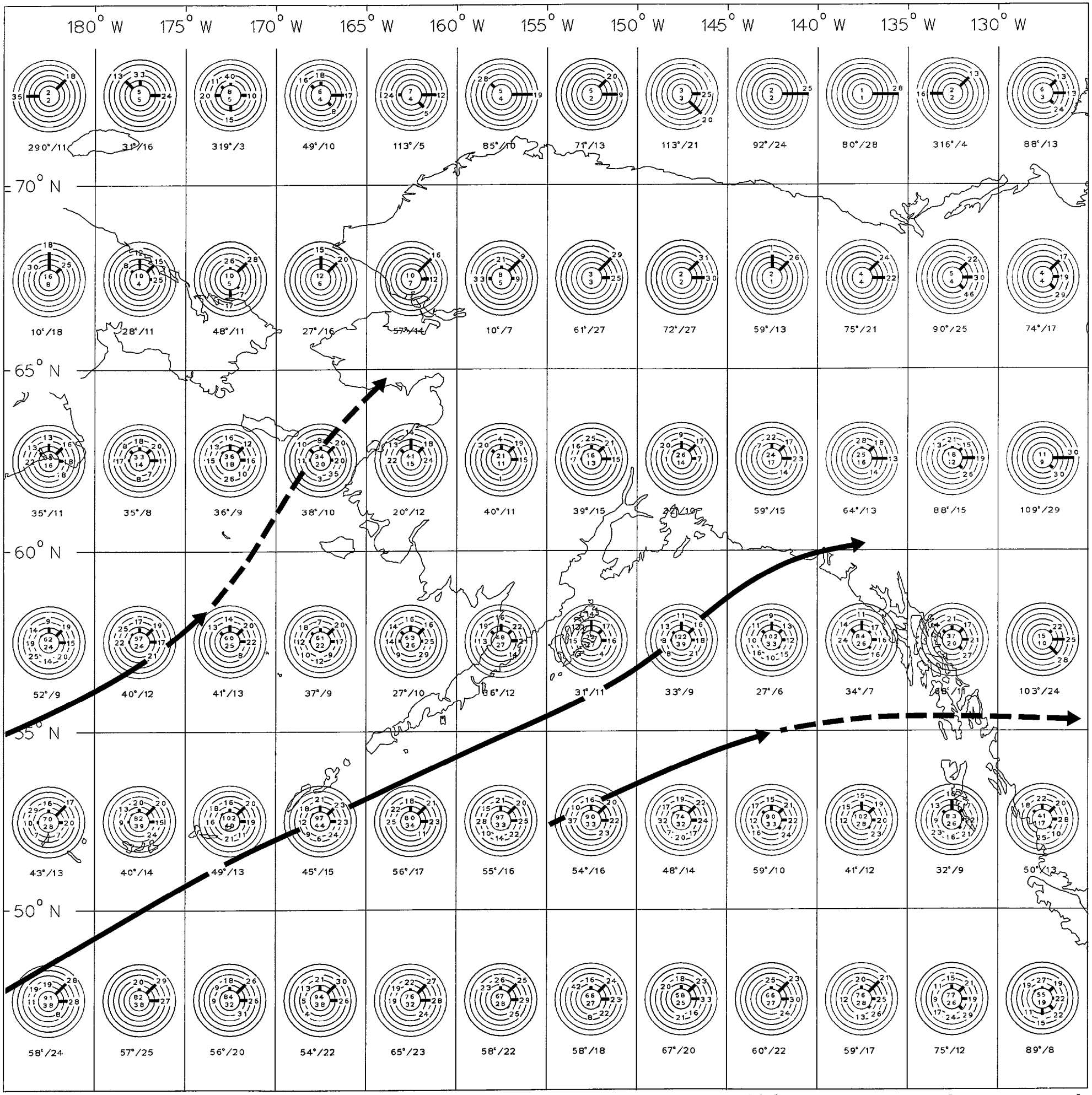


January

22 Low pressure center movement



22 Low pressure center movement **February**


180° W
175° W
170° W
165° W
160° W
155° W
150° W
145° W
140° W
135° W
130° W
70° N
65° N
60° N
55° N
50° N
290°/11
31°/16
319°/3
49°/10
113°/5
85°/10
71°/13
113°/21
92°/24
80°/28
316°/4
88°/13
10°/18
28°/11
48°/11
27°/16
57°/14
10°/7
61°/27
72°/27
59°/13
75°/21
90°/25
74°/17
35°/11
35°/8
36°/9
38°/10
20°/12
40°/11
39°/15
59°/15
64°/13
88°/15
109°/29
52°/9
40°/12
41°/13
37°/9
27°/10
26°/12
31°/11
33°/9
27°/6
34°/7
103°/24
43°/13
40°/14
49°/13
45°/15
56°/17
55°/16
54°/16
48°/14
59°/10
41°/12
32°/9
50°/13
58°/24
57°/25
56°/20
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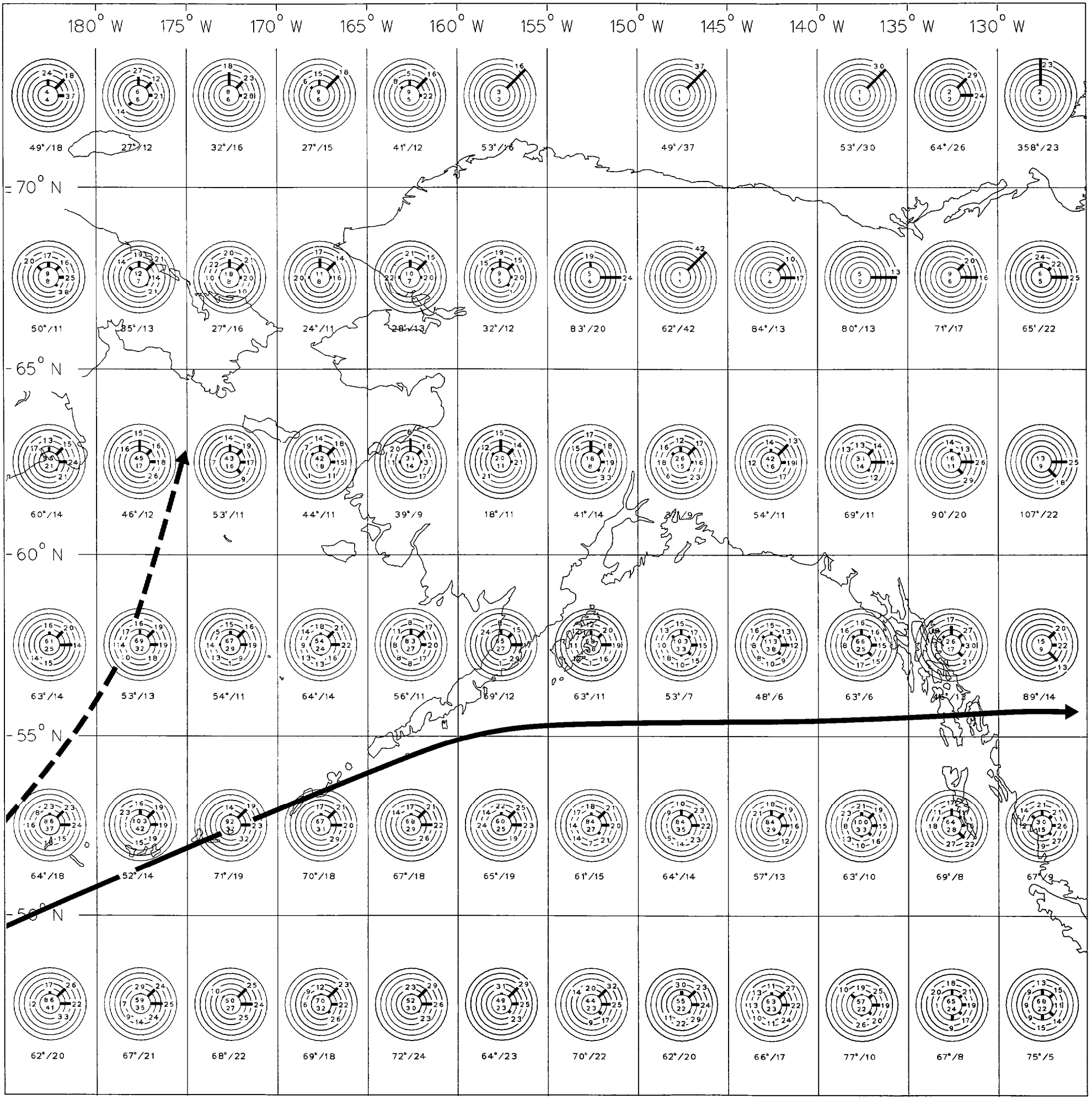
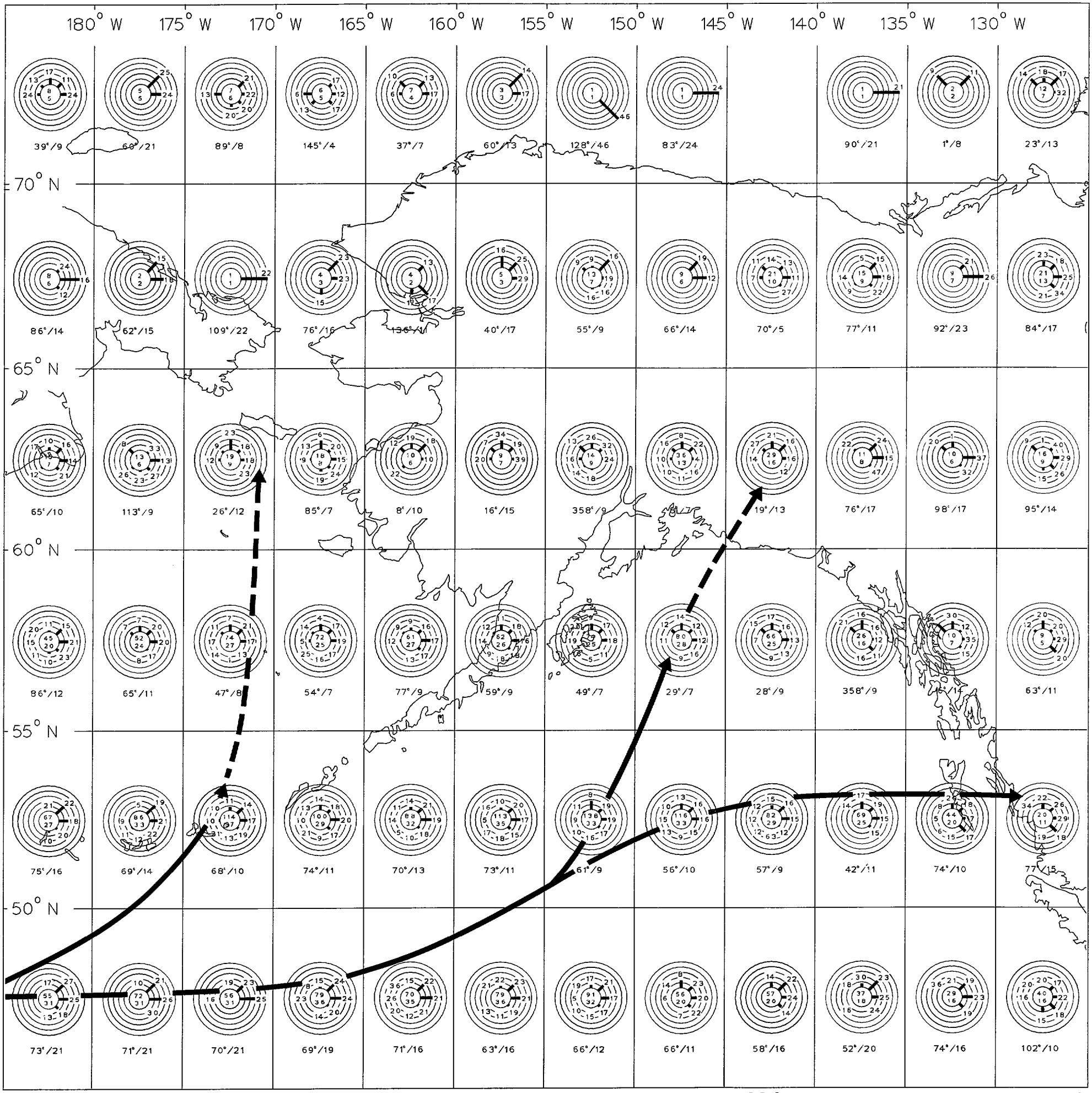
65°/23
58°/22
58°/18
67°/20
60°/22
59°/17
75°/12
89°/8

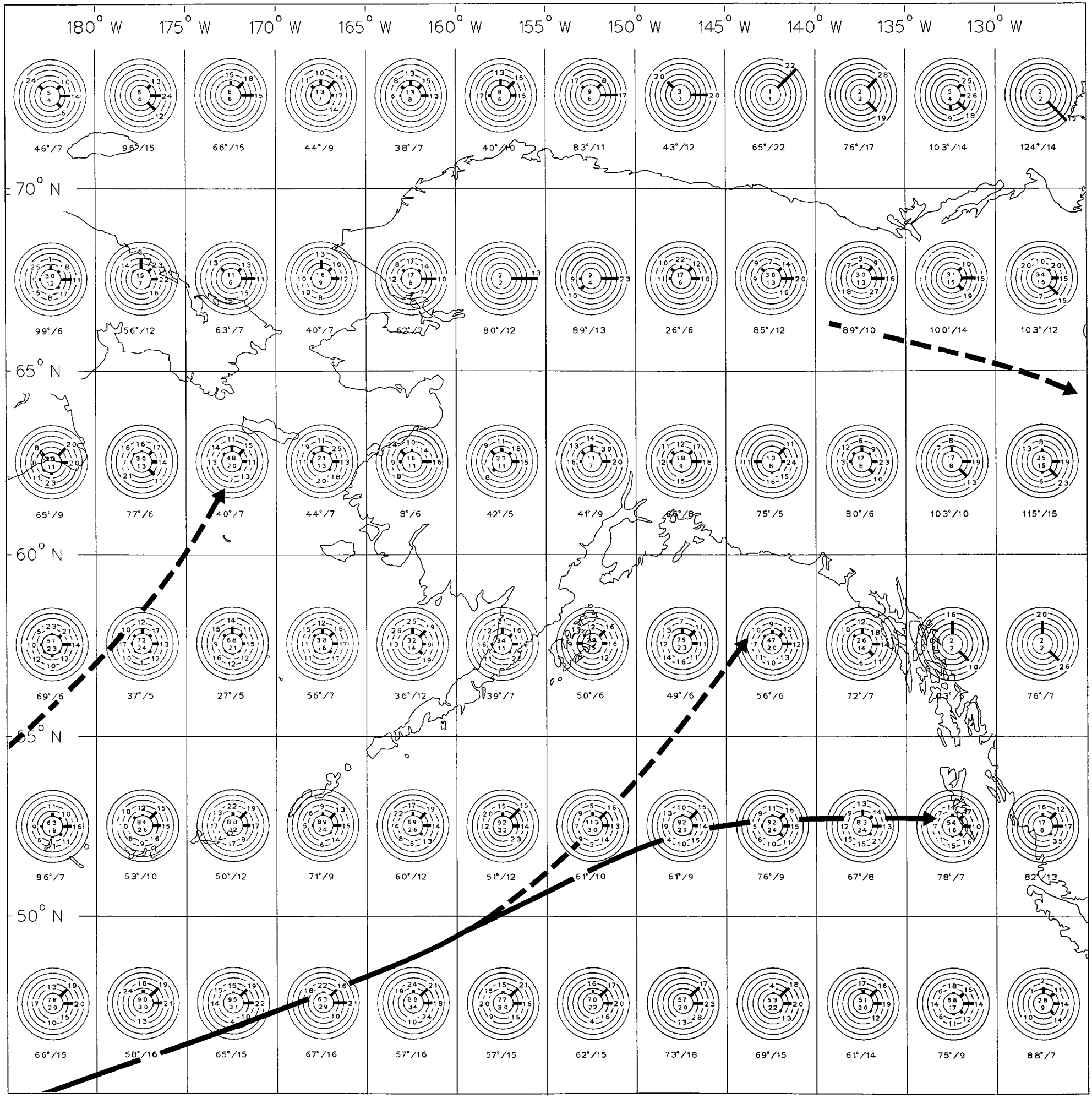


22 Low pressure center movement **April**

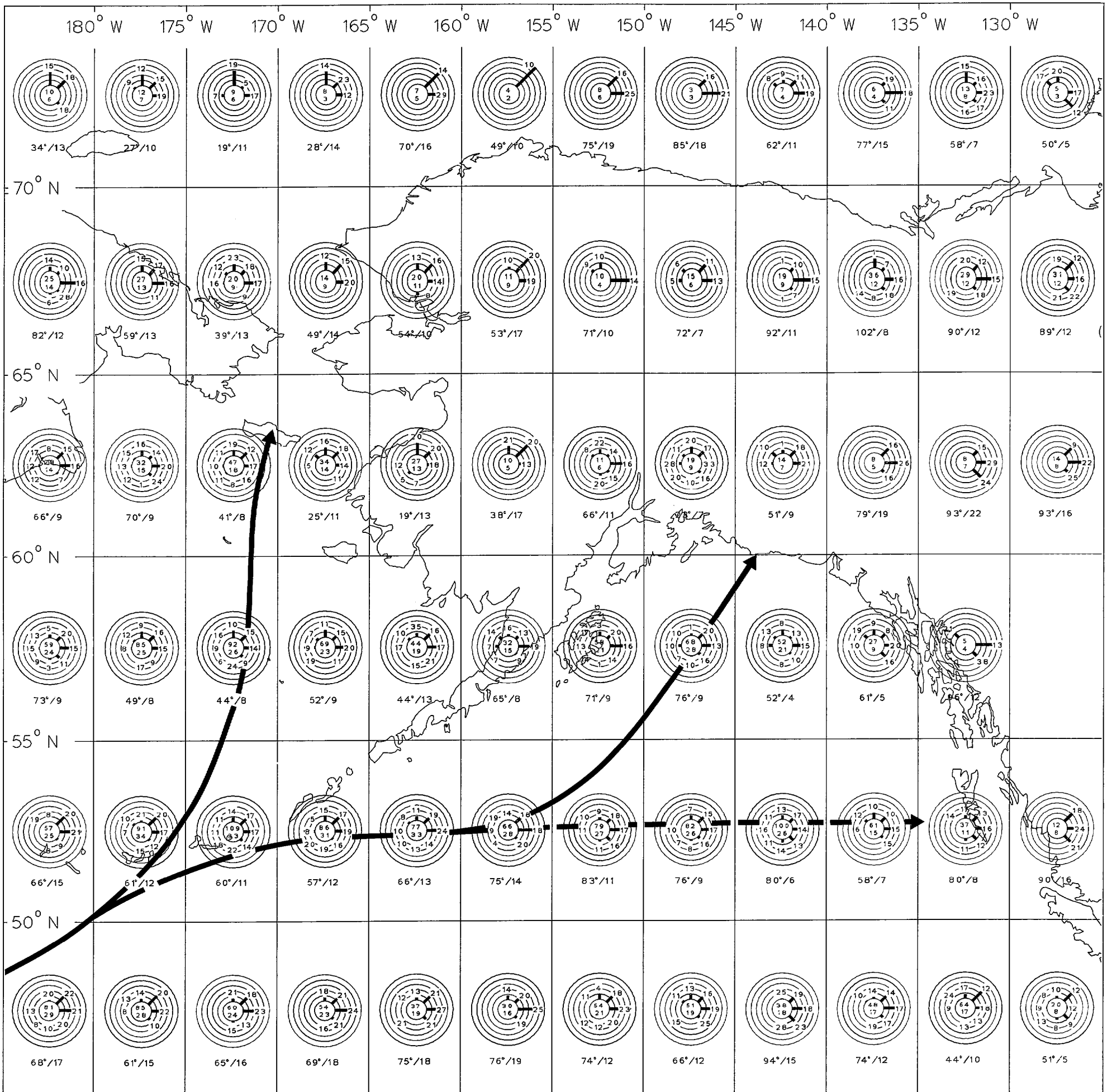


May

22 Low pressure center movement

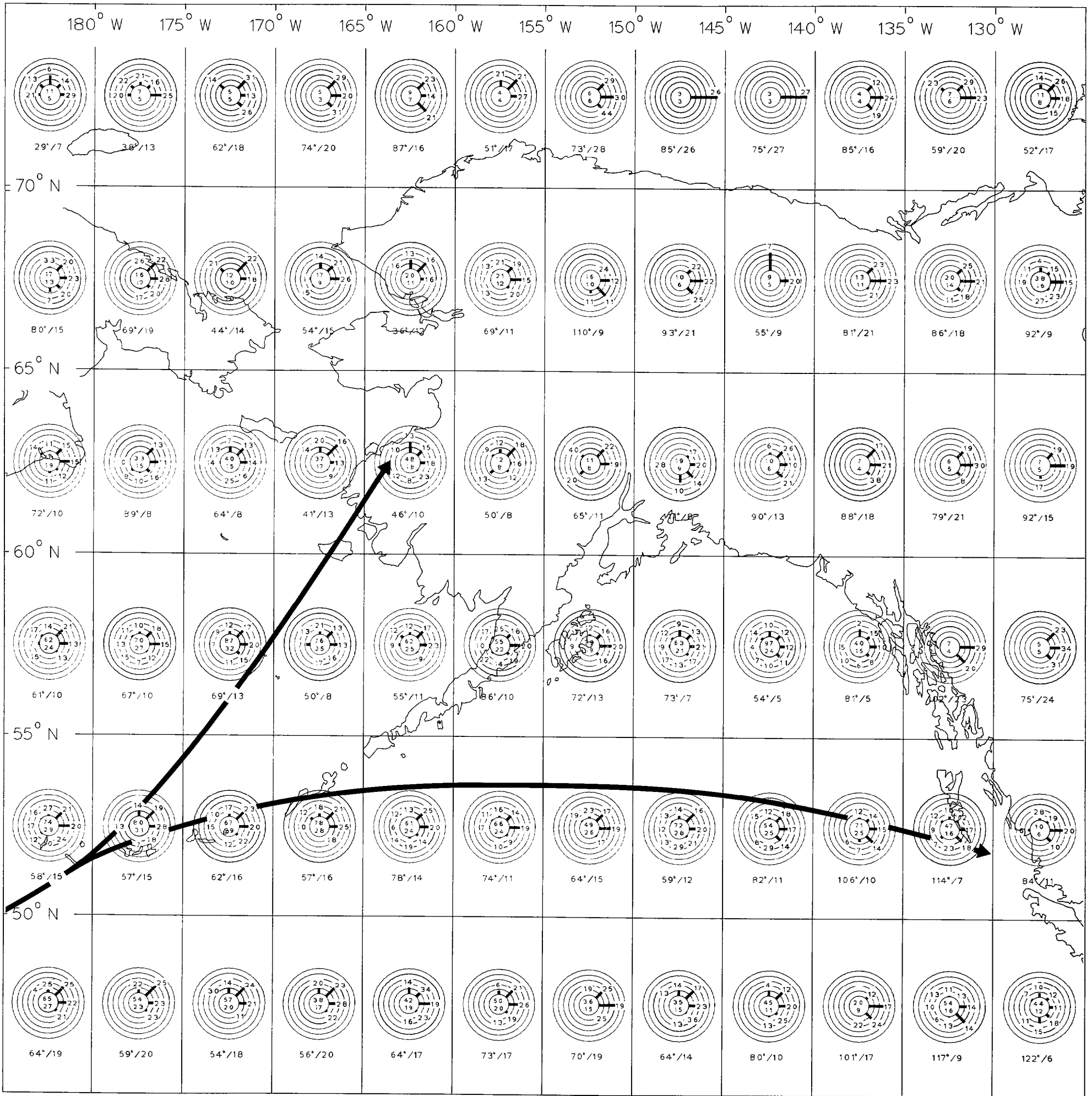


22 Low pressure center movement **June**



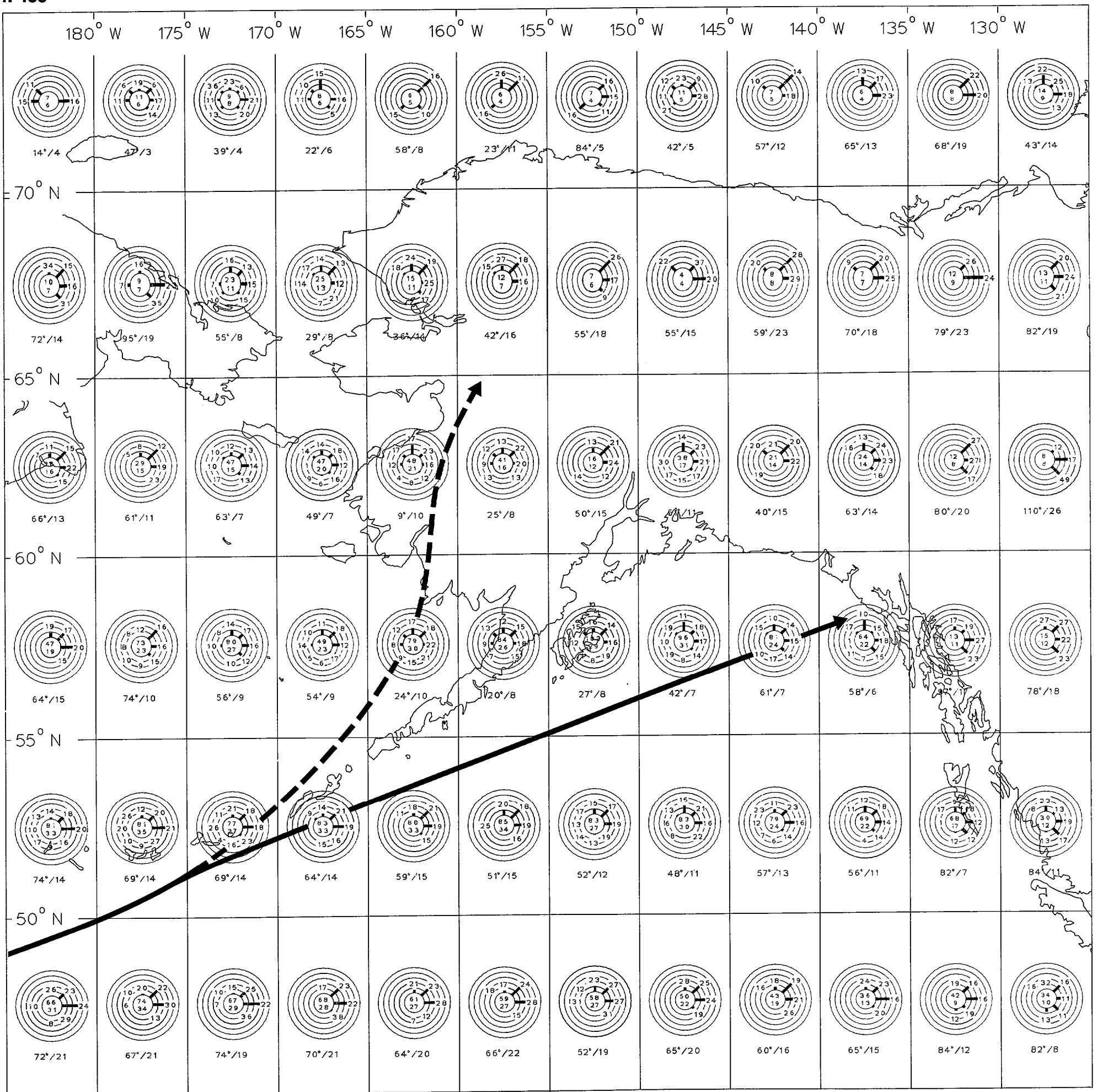
July

22 Low pressure center movement



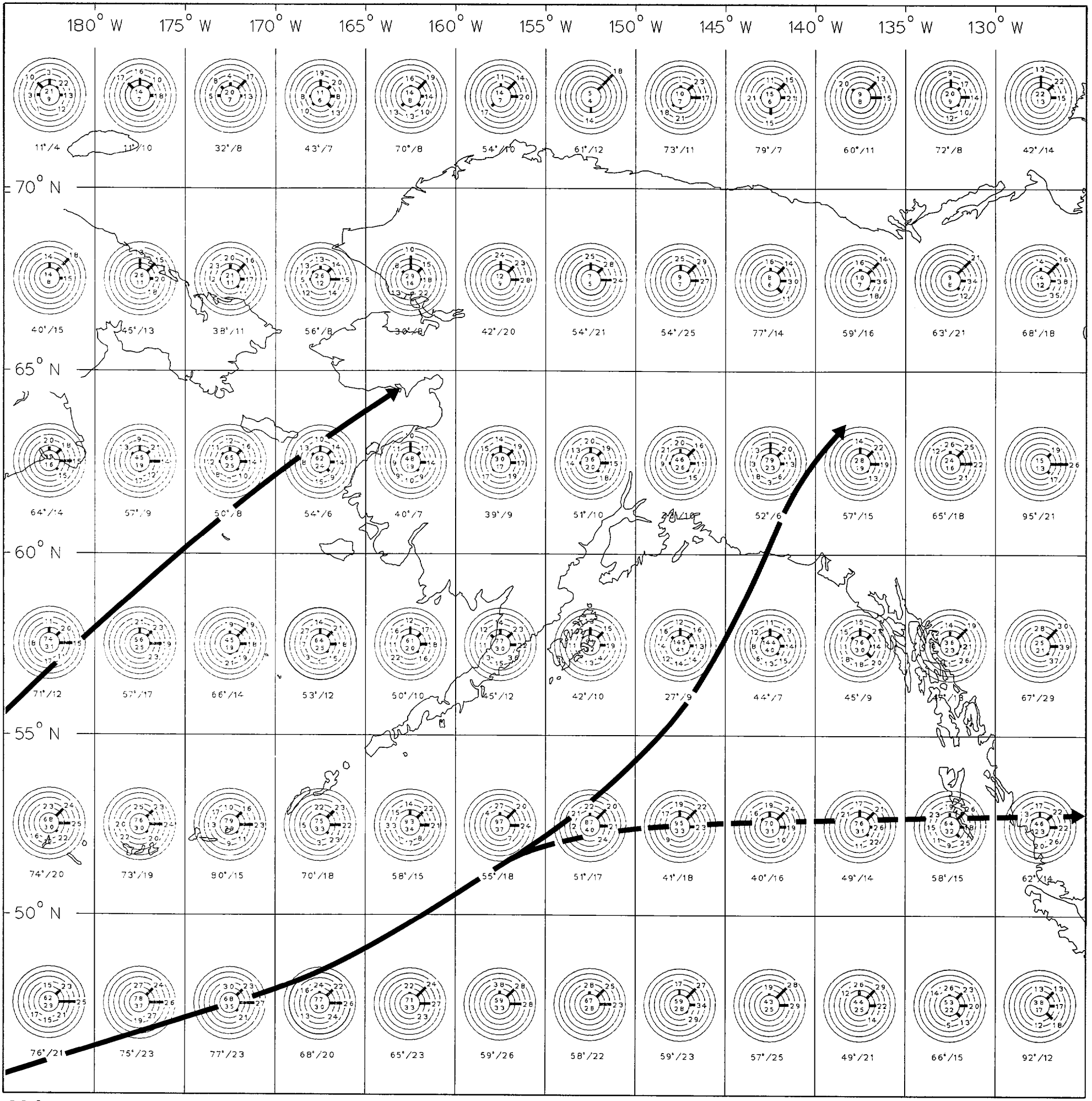
22 Low pressure center movement

August



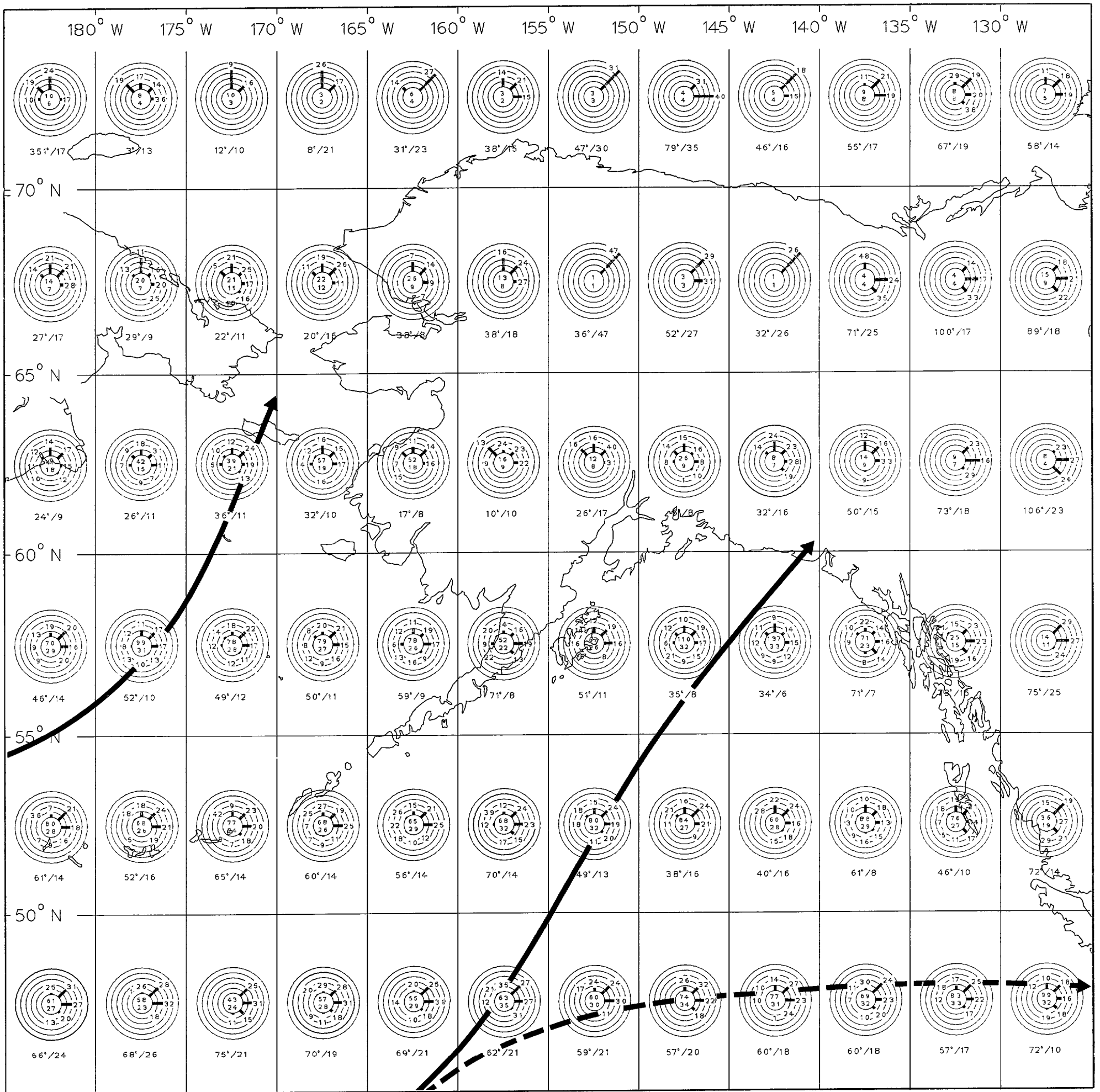
September

22 Low pressure center movement



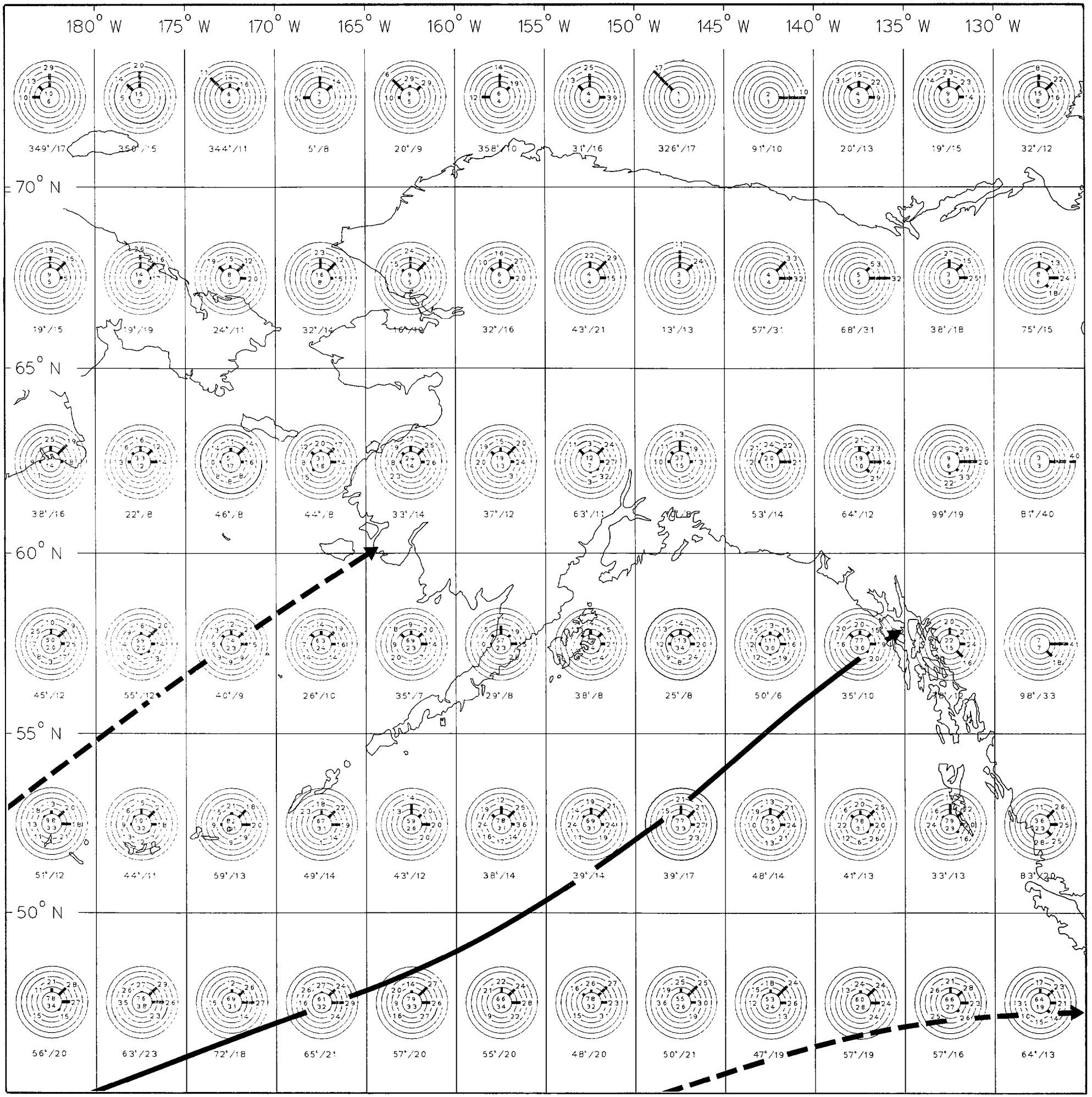
22 Low pressure center movement

October



November

22 Low pressure center movement



22 Low pressure center movement **December**

Set 23. Annual maximum wind for selected return periods
(Refer to introductory text of Section II for additional information.)

Annual Maximum Winds for Selected Return Periods

Values oif the annual maximum sustained wind speeds for selected return periods are presented in the table below for selected coastal stations. These tabular values may be used to construct a graphical analysis of the data similar to the one in Figure 1. The procedure is as follows:

1. Use Fisher-Tippett, Type 1 extreme value probability paper with a natural logarithmic ordinate scale and a probability scaled abscissa. A linear reduced variate scale is also useful in locating intermediate probabilities.

2. Select and plot the annual maximum wind speeds at their corresponding probability values from Table.

3. Draw a straight line connecting those points. This is the line of best fit from which wind speed estimates for intermediate probabilities can be obtained.

4. A one standard error confidence band may be drawn by computing the upper and lowert bound according to Gumbel (1958). The computational procedure is as follows:

   a. $S9 = \sqrt{(1/P-1)}/(-\ln(P))$
   b. $TP = S9 * Al/N$, $A1 = 1/\beta$
   c. Upper Bound (P) = Exp(Ln(x(P))) + TP
   d. Lower Bound (P) = Exp(Ln(x(P))) - TP

   where S9 = a probability term, TP = standard error at probability P, Al = scale term $1/\beta$, x [P] is the wind speed at probability [P] in knots, and [N] = sample size. This will give an envelope of the 68-percent confidence band for the estimates.

Graphs similar to Figure 1 have been drawn for each station's annual and monthly values and are available on microfiche from the National Climatic Data Center, Federal Building, Asheville, NC, 28801. Any questions regarding the application of the extreme value model should be addressed to Larry Nicodemus, telephone number (704) 259-0366.

ANNUAL MAXIMUM SUSTAINED WINDS (KNOTS) FOR SELECTED RETURN PERIODS

STRTION NAME	RETURN PERIOD (YEARS)						PARAMETERS		
	2	5	10	25	50	100	MODE	BETA	N
OSTROV VRANGELJA, RA	51.7	59.8	65.9	72.4	81.6	89.3	49.3	.1291	24
MYS SHMIDTA, RA	49.5	60.7	69.4	78.9	93.2	105.6	46.4	.I788	25
OSTROV KOLYCHINO, RA	45.0	56.3	65.3	75.3	90.5	103.9	41.9	.1975	19
MYS UELEN, RA	57.5	66.0	72.2	78.8	88.2	96.0	55.0	.1211	25
TIN CITY, AK	49.0	55.7	60.7	65.8	73.1	79.1	47.0	.1130	32
KOTZEBUE, AK	43.0	49.3	53.9	58.7	65.7	71.4	41.2	.1195	41
								1120	33
POINT LAY, AK	48.7	55.5	60.2	65.0	72.4	78.3	46.6	.0810	29
BARROW, AK	35.2	42.3	47.9	53.9	62.7	70.3	33.1	.1637	38
LONELY, AK	36.5	41.9	45.9	50.0	55.9	60.8	35.0	.1204	28
OLIKTOK, AK	39.1	46.9	52.8	59.2	68.7	76.8	36.9	.1592	28
								1490	37
BARTER, AK	32.9	61.3	69.0	76.8	88.2	97.6	49.8	.0876	26
CAPE PARRY, CN	37.5	43.4	47.9	52.5	59.3	64.9	35.8	.1293	28
CLINTON POINT, CN	40.1	46.7	51.7	56.9	64.5	70.9	38.2	.1345	10
HOLMRN, CN	48.8	55.9	61.2	66.7	74.6	81.1	46.7	.1003	26
SACHS HARBOUR, CN	39.7	44.4	47.9	51.5	56.5	60.6	38.2	.2179	29
MOULD BAY, CN	37.9	48.5	57.2	66.9	81.9	95.4	35.0		32

NOTE : SOME OF THE HIGHER RETURN PERIOD VALUES MAY BE UNREALISTIC BECAUSE OF THE SMALL SAMPLE SIZE. THE CONFIDENCE BANDS AT THESE VALUES MAY BE UNUSURLLY WIDE, WHICH INDICATES A HIGH LEVEL OF UNCERTAINTY.

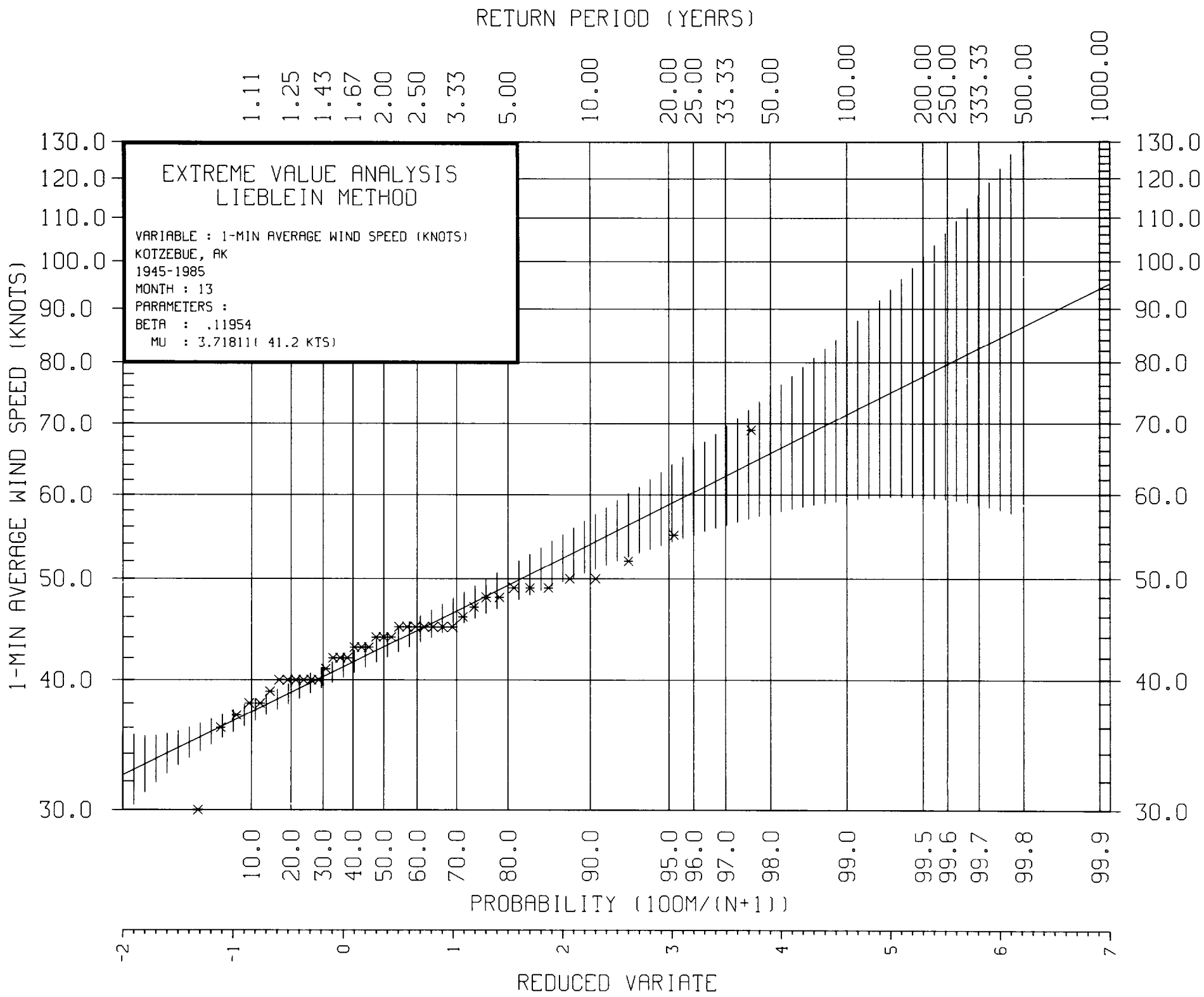


Figure 1. Graphical analysis of annual extreme sustained wind speeds for Kotzebue, AK

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