NOAA TR NMFS CIRC-376

LIBRARY

Woods Hols, Mas.

UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION



NOAA Technical Report NMFS CIRC-376

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration National Marine Fisheries Service

Bottom-Water Temperatures on the Continental Shelf, Nova Scotia to New Jersey

JOHN B. COLTON, JR. and RUTH R. STODDARD

SEATTLE, WA June 1973

NOAA TECHNICAL REPORTS

National Marine Fisheries Service, Circulars

The major responsibilities of the National Marine Fisheries Service (NMFS) are to monitor and assess the abundance and geographic distribution of fishery resources, to understand and predict fluctuations in the quantity and distribution of these resources, and to establish levels for optimum use of the resources. NMFS is also charged with the development and implementation of policies for managing national fishing grounds, development and enforcement of domestic fisheries regulations, surveillance of foreign fishing off United States coastal waters, and the development and enforcement of international fishery agreements and policies. NMFS also assists the fishing industry through marketing service and economic analysis programs, and mortgage insurance and vessel construction subsidies. It collects, analyses, and publishes statistics on various phases of the industry.

The NOAA Technical Report NMFS CIRC series continues a series that has been in existence since 1941. The Circulars are technical publications of general interest intended to aid conservation and management. Publications that review in considerable detail and at a high technical level certain broad areas of research appear in this series. Technical papers originating in economics studies and from management investigations appear in the Circular series.

NOAA Technical Reports NMFS CIRC are available free in limited numbers to governmental agencies, both Federal and State. They are also available in exchange for other scientific and technical publications in the marine sciences. Individual copies may be obtained (unless otherwise noted) from NOAA Publications Section, Rockville, Md. 20852. Recent Circulars are:

- Synopsis of biological data on the chum salmon, Oneorhynchus keta (Walbaum) 1792. By Richard G. Bakkala. March 1970, iii + 89 pp., 15 figs., 51 tables.
- Bureau of Commercial Fisheries Great Lakes Fishery Laboratory, Ann Arbor, Michigan. By Bureau of Commercial Fisheries. March 1970, 8 pp., 7 figs.
- 330. EASTROPAC Atlas: Vols. 4, 2. Catalog No. I 49.4:330/(vol.) 11 vols. (\$4.75 each). Available from the Superintendent of Documents, Washington, D.C. 20402.
- 331. Guidelines for the processing of hot-smoked chub.
 By H. L. Seagran, J. T. Graikoski, and J. A. Emerson. January 1970, iv + 23 pp., 8 figs., 2 tables.
- 332. Pacific hake. (12 articles by 20 authors.) March 1970, iii + 152 pp., 72 figs., 47 tables.
- 333. Recommended practices for vessel sanitation and fish handling. By Edgar W. Bowman and Alfred Larsen. March 1970, iv + 27 pp., 6 figs.
- 335. Progress report of the Bureau of Commercial Fisheries Center for Estuarine and Menhaden Research, Pesticide Field Station, Gulf Breeze, Fla., fiscal year 1969. By the Laboratory staff. August 1970, iii + 33 pp., 29 figs., 12 tables.
- 336. The northern fur seal. By Ralph C. Baker, Ford Wilke, and C. Howard Baltzo. April 1970, iii + 19 pp., 13 figs.
- 337. Program of Division of Economic Research, Bureau of Commercial Fisheries, fiscal year
 1969. By Division of Economic Research. April 1970, iii + 29 pp., 12 figs., 7 tables.

- Bureau of Commercial Fisheries Biological Laboratory, Auke Bay, Alaska. By Bureau of Commercial Fisheries. June 1970, 8 pp., 6 figs.
- Salmon research at Ice Harbor Dam. By Wesley J. Ebel. April 1970, 6 pp., 4 figs.
- Bureau of Commercial Fisheries Technological Laboratory, Gloucester, Massachusetts. By Bureau of Commercial Fisheries. June 1970, 8 pp., 8 figs.
- 341. Report of the Bureau of Commercial Fisheries Biological Laboratory, Beaufort, N.C., for the fiscal year ending June 30, 1968. By the Laboratory staff. August 1970, iii + 24 pp., 11 figs., 16 tables.
- 342. Report of the Bureau of Commercial Fisheries Biological Laboratory, St. Petersburg Beach, Florida, fiscal year 1969. By the Laboratory staff. August 1970, iii + 22 pp., 20 figs., 8 tables.
- 343. Report of the Bureau of Commercial Fisheries Biological Laboratory, Galveston, Texas, fiscal year 1969. By the Laboratory staff. August 1970, iii + 39 pp., 28 figs., 9 tables.
- Bureau of Commercial Fisheries Tropical Atlantic Biological Laboratory progress in research 1965-69, Miami, Florida. By Ann Weeks. October 1970, iv + 65 pp., 53 figs.
- 346. Sportsman's guide to handling, smoking, and preserving Great Lakes coho salmon. By Shearon Dudley, J. T. Graikoski, H. L. Seagran, and Paul M. Earl. September 1970, iii + 28 pp., 15 figs.
- 347. Synopsis of biological data on Pacific ocean perch, Sebastodes alutus. By Richard L. Major and Herbert H. Shippen. December 1970, iii + 38 pp., 31 figs., 11 tables.

Continued on inside back cover.



U.S. DEPARTMENT OF COMMERCE Frederick B. Dent, Secretary NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Robert M. White, Administrator

Marine Biological Laboratory

NATIONAL MARINE FISHERIES SERVICE

NOAA Technical Report NMFS CIRC-376

Bottom-Water Temperatures on the Continental Shelf, Nova Scotia to New Jersey

JOHN B. COLTON, JR. and RUTH R. STODDARD

The National Marine Fisheries Service (NMFS) does not approve, recommend or endorse any proprietary product or proprietary material mentioned in this publication. No reference shall be made to NMFS, or to this publication furnished by NMFS, in any advertising or sales promotion which would indicate or imply that NMFS approves, recommends or endorses any proprietary product or proprietary material mentioned herein, or which has as its purpose an intent to cause directly or indirectly the advertised product to be used or purchased because of this NMFS publication.

CONTENTS

	Page
Introduction	1
Source data	2
Editing and analysis	
Temperature charts	4
Acknowledgments	5
Literature cited	
Appendix: Statistical tables of source data	20

Figures

1.	Chart of the continental shelf showing the location, by shading, of the 30-min	
	quadrangle areas used in determining average, maximum, and minimum tem-	
	perature values.	3
2.	Distribution of average bottom-water temperatures during January.	6
3.	Distribution of average bottom-water temperatures during February.	7
4.	Distribution of average bottom-water temperatures during March.	8
5.	Distribution of average bottom-water temperatures during April.	9
6.	Distribution of average bottom-water temperatures during May	10
7.	Distribution of average bottom-water temperatures during June.	11
8.	Distribution of average bottom-water temperatures during July.	12
9.	Distribution of average bottom-water temperatures during August.	13
10.	Distribution of average bottom-water temperatures during September.	14
11.	Distribution of average bottom-water temperatures during October.	15
12.	Distribution of average bottom-water temperatures during November.	16
13.	Distribution of average bottom-water temperatures during December.	17
14.	Distribution of long-term annual maximum bottom-water temperatures.	18
15.	Distribution of long-term annual minimum bottom-water temperatures.	19

BOTTOM-WATER TEMPERATURES ON THE CONTINENTAL SHELF, NOVA SCOTIA TO NEW JERSEY

JOHN B. COLTON, JR. and RUTH R. STODDARD¹

INTRODUCTION

It is not easy to generalize and to designate any one physical factor as having greater ecological influence than any other in the complex environment of continental shelf waters. However, both laboratory and field observations have shown that temperature is a factor of prime importance because of its action (1) directly upon physiological processes such as metabolic rate and reproductive cycle and (2) indirectly through its influence on other environmental factors such as dissolved gases, viscosity, and density.

There is good evidence to the effect that the distribution of benthic organisms in continental shelf waters in temperate latitudes is controlled to a large extent by seasonal temperature conditions (Fritz, 1965; Haynes and Wigley, 1969; Hutchins, 1947; Schopf, 1967; Taylor, Bigelow, and Graham, 1957). Temperatures exert a direct control over distribution in cases where they become too extreme for survival or do not attain or maintain critical values necessary for reproduction or completion of life cycles. In addition, temperature also indirectly controls the distribution of higher trophic level organisms such as fish by regulating the dispersal of primary prey organisms.

Although an appreciable number of hydrographic surveys have been made on the continental shelf off New England and the Maritime Provinces since the early 1900's, the coverage has been sporadic. Up to the present time it has been only possible to summarize in detail the distribution of bottom-water temperatures

for limited areas and time periods. Bigelow (1927, 1933) described the seasonal cycles and ranges in bottom-water temperatures in various physiographic areas in the Gulf of Maine and on the continental shelf between Cape Cod and Chesapeake Bay based on observations made during the periods 1912-26 and 1927-32. Α brief description and a plot of the distribution of bottom-water temperatures on the continental shelf between Nova Scotia and New Jersey based on average values determined from bathythermograph observations made during September-November 1955-61 are given by Fritz (1965). Schopf (1967) presents data on the range and seasonal cycle of bottom-water temperatures on Nantucket Shoals, Georges Bank, Scotian Shelf, and in the Gulf of Maine and shows contour charts of average bottom-water temperatures for the coldest (February-March) and warmest (September-October) parts of the year in the area between Nova Scotia to Hudson Canyon. Schopf's data are based on bathythermograph observations obtained during the period 1955-66. Walford and Wicklund (1968) constructed monthly bottom-water temperature contour charts based on estimated values from a series of 38 monthly temperature profiles across the continental shelf between Cape Cod and the Florida Keys. These temperature profiles were drawn on a basis of average values determined from a selected sample of hydrographic station and bathythermograph data collected during the period 1914-64.

In studies being undertaken at the NMFS Northeast Fisheries Center, Woods Hole, Mass., on the distribution and ecology of groundfish and benthic food organisms, we have long felt the need for a more comprehensive and detailed summary of the long-term seasonal distribution

¹ National Marine Fisheries Service Narragansett Laboratory, Narragansett, RI 02882.

of bottom-water temperatures. Such a compendium would serve as a norm to which individual cruise data could be compared. It was not until recently, however, that sufficient data were available to construct truly representative contour charts in which the isotherm intervals were sufficiently small to accurately delineate homogenous regions.

To meet this need we present in this paper, charts of monthly average bottom-water temperatures and of long-term annual minimum and maximum bottom-water temperatures in the area of the continental shelf between Nova Scotia and New Jersey (Fig. 1). We hope that these charts will prove useful in defining faunal regions and lead to a better understanding of the relation of temperature to the distribution of benthic organisms.

SOURCE DATA

The long-term temperature data are for the period 1940-66 and are from the file of bathythermograph trace prints at the Woods Hole Oceanographic Institution. This is the most complete catalogue of temperature data for the area and consists principally of observations made by the Woods Hole Oceanographic Institution. Canadian Naval Research Establishment, Fisheries Research Board of Canada, U.S. Coast Guard, U.S. Coast and Geodetic Survey, and the Bureau of Commercial Fisheries (now National Marine Fisheries Service). The year 1940 was chosen as the starting point as this was the year of the introduction of the bourdon-type bathythermograph (Spilhaus, 1940) and the beginning of a period of extensive temperature measurement in the area. The bathythermographs used throughout this period were calibrated in various temperature and depth intervals. The maximum depth limit of any bathythermograph used extensively was 275 m, and this isobath was used to delineate the offshore limit of the area of coverage.

EDITING AND ANALYSIS

In order to insure a sufficient number of observations to make valid spatial and temporal comparisons, it was necessary to treat the data in terms of 30-min quadrangle areas (Fig. 1). Bottom-water temperatures over most of the area are governed chiefly by depth, but also to some extent by locality. Thus, to insure positional accuracy of the isotherms it was necessary to subdivide the 30-min quadrangle areas into depth zones and to determine average temperature values within these zones. The depth limits of the zones used were determined in part by the number of observations available, but also by the nature of the seasonal temperature cycle at specific depths. The majority of the observations were in depths shoaler than 100 m. Bottom-waters at these depths are characterized by pronounced seasonal temperature variations and a complex and unstable temperature structure which is controlled for the most part by solar heating and wind stirring. At depths greater than 100 m the bottom-water temperature structure is less variable and controlled for the most part by advection. The nine depth zones designated were as follows: 1-20 m; 21-40 m; 41-60 m; 61-80 m; 81-100 m; 101-150 m; 151-200 m; 201-250 m; and greater than 250 m.

Bottom temperatures were read to the nearest 0.1° . The majority of the temperature values were in degrees Fahrenheit. All Celcius values were converted to this scale for initial tabula-In editing the individual bathythermotion. graph traces, a comparison was made of bathythermograph, echo sounder, and chart depths. Observations were excluded in situations where these soundings varied significantly or in which it was obvious that there was a position error or that the bathythermograph did not reach bottom or a depth where the bottom-water temperature could be accurately interpolated. After the initial editing, the data included approximately 22,000 observations.

The following data for each observation were then entered on punch cards: latitude and longitude in degrees and minutes, 30-min quadrangle area location coded as shown in the Appendix, bottom-water temperature in 0.1°F, depth in meters, and depth zone allocation number. A computer program was written to give a listing by 30-min quadrangle area, month, and depth zone of the number of observations, number of days' observations, number of years' observations, average bottom-water temperature, and maximum and minimum bottom-water temperatures in degrees Centigrade. Observations

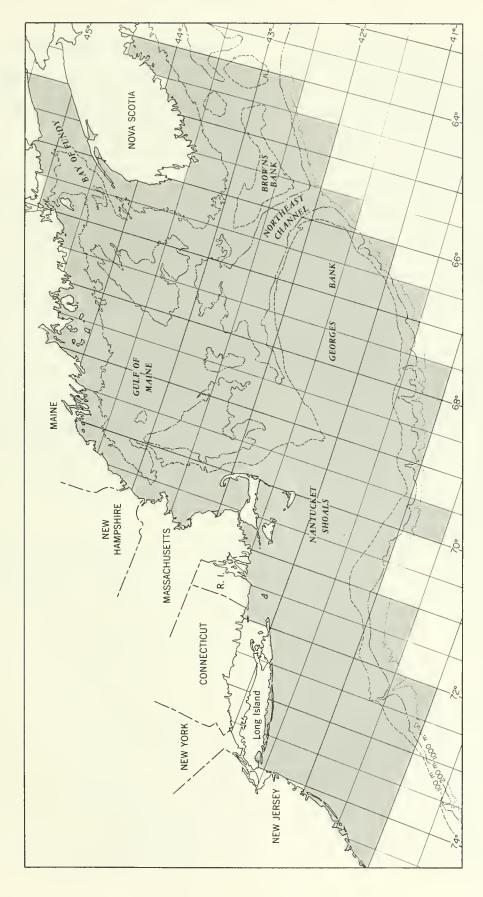


Figure 1.--Chart of the continental shelf showing the location, by shading, of the 30-min quadrangle areas used in determining average, maximum, and minimum temperature values. for any month within a given year were weighted in favor of certain days (dates) so that in computing monthly means, all data for a given day were averaged and monthly means based on the daily means rather than on the total number of observations. To indicate the density of coverage and the variability to be expected in each 30-min quadrangle, the minimum and maximum bottom-water temperatures, the number of years' observations, and the number of day's observations are tabulated by month and depth zone in the Appendix. The few observations made at depths greater than 250 m have not been included in these tables.

In all areas and at all depths the number of observations were biased in favor of certain months and years. To offset this bias, the 1940-66 monthly mean values for each 30-min quadrangle area and for each depth zone within the 100-m isobath were plotted, and smooth curves showing the seasonal cycle of temperature were drawn as described by Fuglister (1947) and Colton (1968a). In drawing these curves the greatest weight was given to mean values represented in the greatest number of years. The resulting curves for specific depth zones in adjacent quadrangles were so closely similar that the occasional inconsistencies in the data were obvious. In general, the magnitude of the correction applied to the monthly mean value was inversely proportional to the number of years represented.

Although there were appreciable monthly variations in mean bottom-water temperatures at depths greater than 100 m, there was no evidence of a consistent seasonal temperature cycle. In addition, the number of observations were so few in any month in most depth zones and areas that it was impossible to attach any significance to the monthly mean temperature variations. The analysis of long-term subsurface temperature trends made by Colton (1968b) indicates that these monthly variations are due in large measure to the fact that the majority of observations in some months were made during periods of warming while in other months during periods of cooling. To offset this sampling bias we have based our estimates of monthly mean bottom-water temperatures at depths greater than 100 m on 3-month moving averages (January = December-February mean).

TEMPERATURE CHARTS

The monthly distribution of bottom-water temperature is shown in Figures 2 - 13. In constructing these charts, contours were drawn on a basis of corrected values read from 1940-66 mean seasonal temperature curves or determined from 3-month moving averages and entered at the approximate geographic center of each depth zone within 30-min quadrangle areas. The boundaries of the depth zones were based on the bathymetry given in U.S. Geological Survey, Miscellaneous Geological Investigations Map, I-451, Sheets 2 and 3. Isotherms were drawn for each whole degree Centigrade as this appeared to be an interval most useful to ecologists and one appropriate for displaying maximum resolution in the temperature structure consistent with the quality of the data. In most cases, the isotherms were drawn directly to the data, but in some instances when an isolated temperature value, based on a limited number of observations, was unsupported by data in adjoining quadrangles, some smoothing and interpolation were necessary. Isotherms drawn on the basis of limited data are indicated by a dashed line. Relatively few observations were made in water shoaler than 20 m and deeper than 250 m, so that for the most part the isotherm lines were terminated at these depth contours.

Most useful statistics for delineating faunal boundaries are the seasonal and annual ranges of temperature in various geographical areas. In general, the magnitude of the range of bottom-water temperature decreases and the timing of the seasonal temperature extremes occurs later with increasing depth. The maximum and minimum observed bottom-water temperatures for the period of record are listed by month, area, and depth zone in the Appendix. We had initially planned to present charts showing the long-term monthly maximum and minimum bottom-water temperature distribution, but the data proved inadequate for this purpose. There were a sufficient number of observations, however, to construct valid distribution charts of the long-term annual maximum and minimum bottom-water temperatures. These charts are shown in Figures 14 and 15 and are based on the maximum and minimum observed temperatures within 30-min quadrangle areas and the prescribed depth zones for the period of record regardless of season. For the most part, the isotherms were drawn directly to the data, but smoothing and interpolation were necessary to eliminate segregated thermal patches resulting from a paucity of observations in specific quadrangle areas and depth zones. Although in most areas the coverage was such that the temperature extremes given cannot be considered as all encompassing, the charts do give a general picture of the maximum range of temperature to which resident populations of benthic animals in various regions could be subjected.

ACKNOWLEDGMENTS

We thank Miss E. H. Schroeder for access to the temperature data collection at the Woods Hole Oceanographic Institution; Mrs. K. Payne for writing the computer program for data reduction; Mrs. M. Cory, Mrs. T. Crabtree, and Mr. S. R. Nickerson for assistance in tabulation; and Dr. R. L. Wigley and Dr. T. J. M. Schopf for critical reading of the manuscript.

LITERATURE CITED

- BIGELOW, H. B.
 - 1927. Physical oceanography of the Gulf of Maine. Bull. U.S. Bur. Fish. 40:511-1027.
 - 1933. Studies of the waters on the Continental Shelf, Cape Cod to Chesapeake Bay. I. The cycle of temperature. Pap. Phys. Oceanogr. Meteorol. vol. 2, 135 p.

COLTON, J. B., JR.

- 1968a. A comparison of current and long-term temperatures of Continental Shelf waters, Nova Scotia to Long Island. Int. Comm. Northwest Atl. Fish., Res. Bull. 5, p. 110-129.
- 1968b. Recent trends in subsurface temperatures in the Gulf of Maine and contiguous waters. J. Fish. Res. Board Can. 25:2427-2437.

FRITZ, R. L.

- 1965. Autumn distribution of groundfish species in the Gulf of Maine and adjacent waters, 1955-1961. Ser. Atlas Mar. Environ. Am. Geogr. Soc. (Folio 10).
- FUGLISTER, F. C.
 - 1947. Average monthly sea surface temperatures of the western North Atlantic ocean. Pap. Phys. Oceanogr. Meteorol. vol. 10, 25 p.
- HAYNES, E. B., and R. L. WIGLEY.
 - 1969. Biology of the northern shrimp, *Pandalus* borealis, in the Gulf of Maine. Trans. Am. Fish. Soc. 98:60-76.
- HUTCHINS, L. M.
- 1947. The bases for temperature zonation in geographical distribution. Ecol. Monogr. 17:325-335. SCHOPF, T. J. M.
- 1967. Bottom-water temperatures on the Continental Shelf off New England. In Geological survey research 1967, p. D192-D197. U.S. Geol. Surv. Prof. Pap. 575-D.
- SPILHAUS, A. F.
 - 1940. A detailed study of the surface layers of the ocean in the neighborhood of the Gulf Stream with the aid of rapid measuring hydrographic instruments. J. Mar. Res. 3:51-75.
- TAYLOR, C. C., H. B. BIGELOW, and H. W. GRAHAM. 1957. Climatic trends and the distribution of marine animals in New England. U.S. Fish Wildl. Serv., Fish. Bull. 57:293-345.
- WALFORD, L. A., and R. I. WICKLUND.
 - 1968. Monthly sea temperature structure from the Florida Keys to Cape Cod. Ser. Atlas Mar. Environ. Am. Geogr. Soc. (Folio 15).

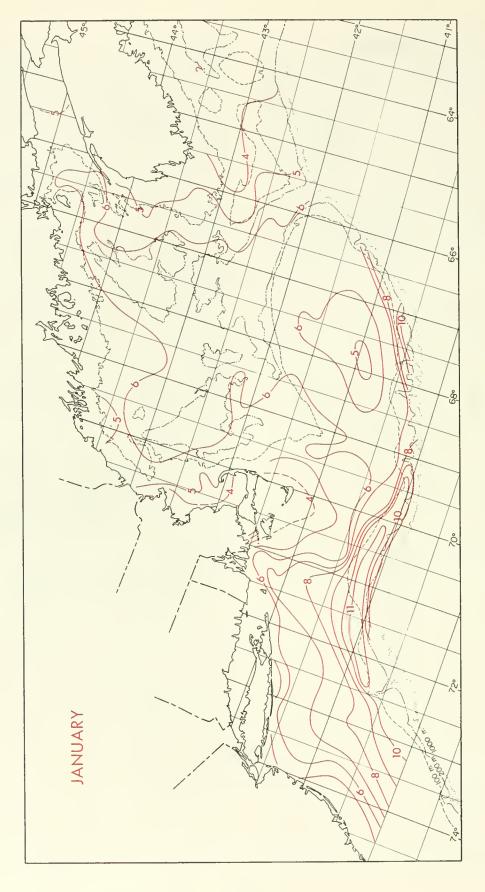
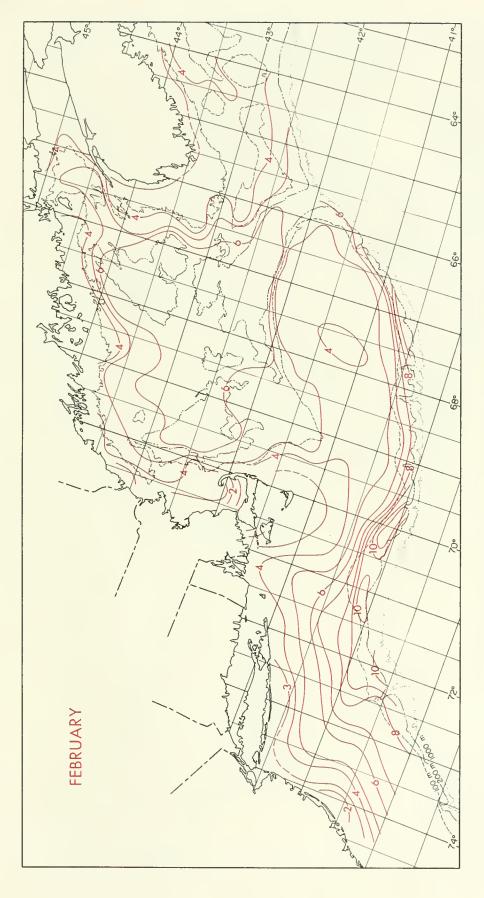
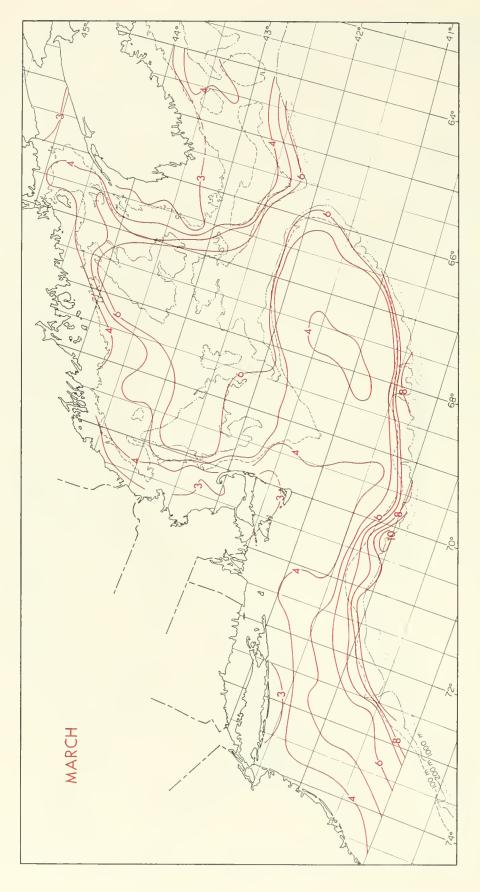


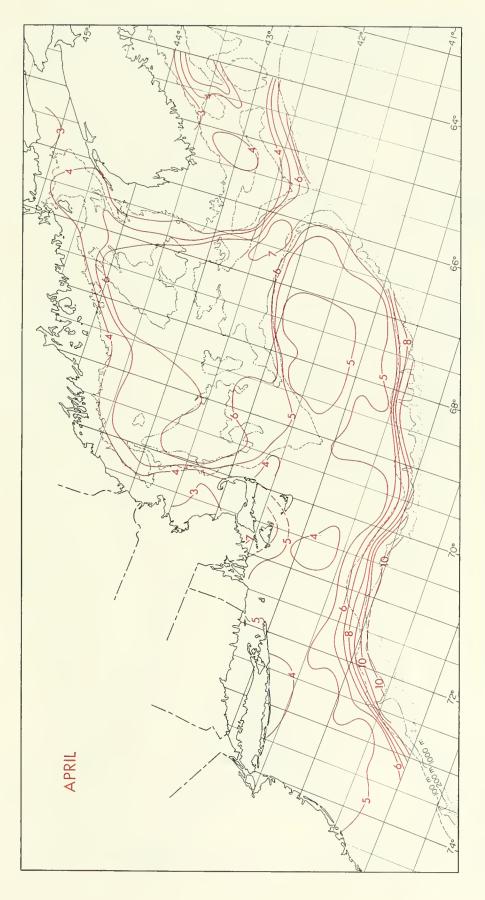
Figure 2.-Distribution of average bottom-water temperatures during January.



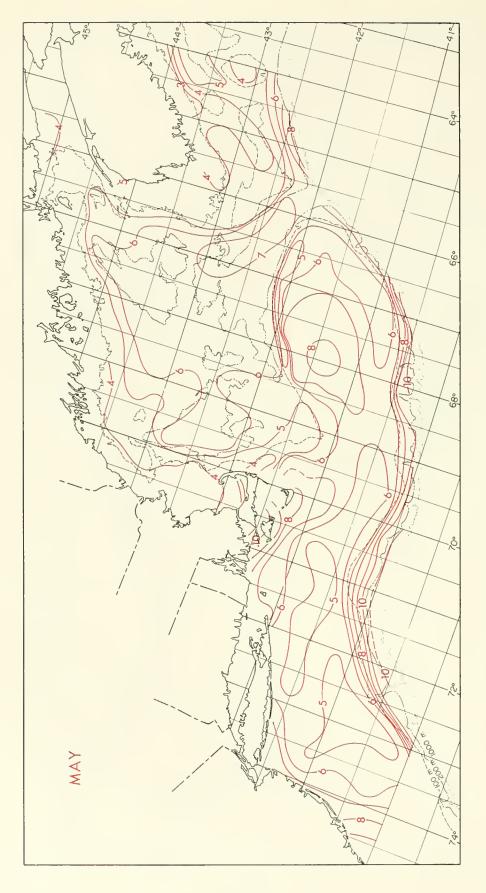


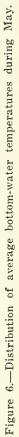


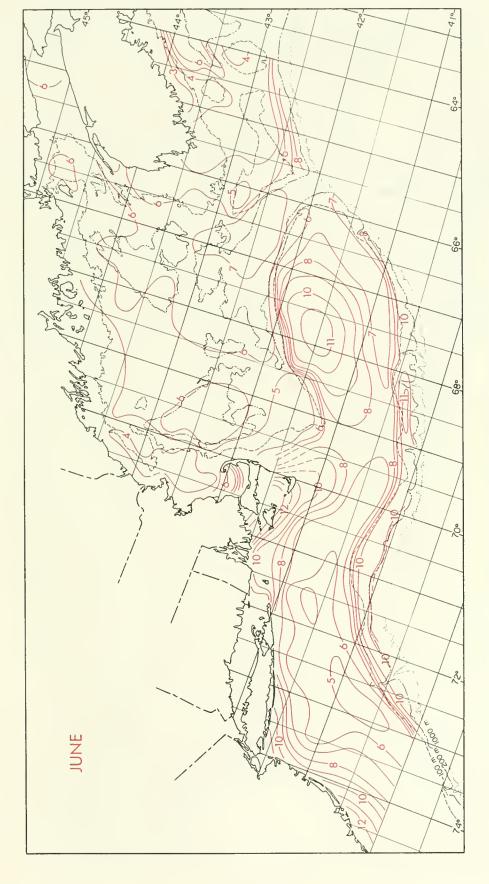




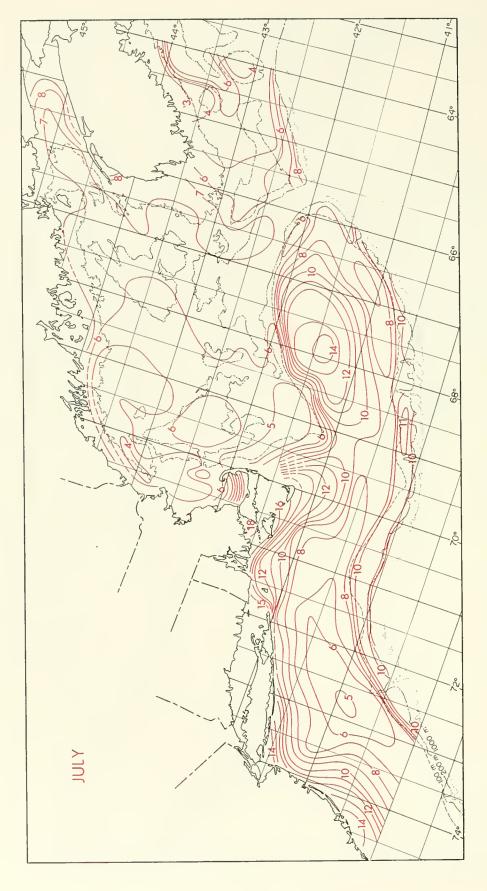


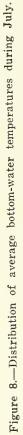


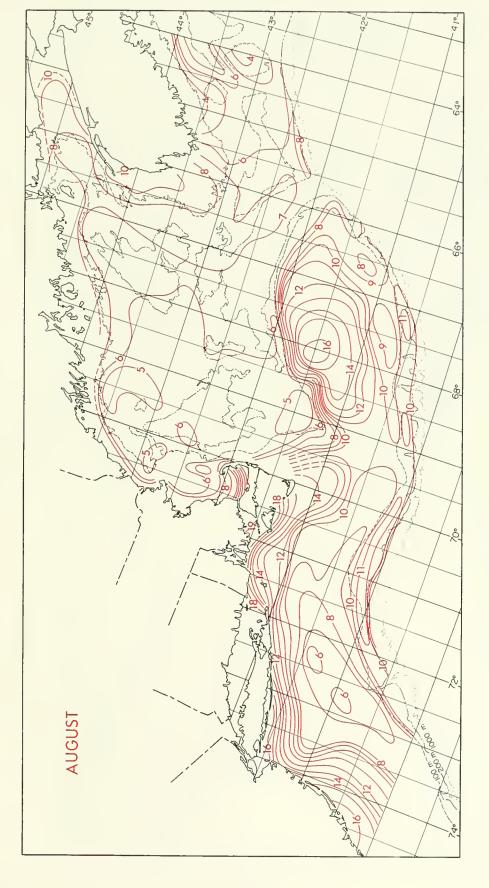


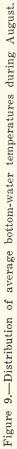


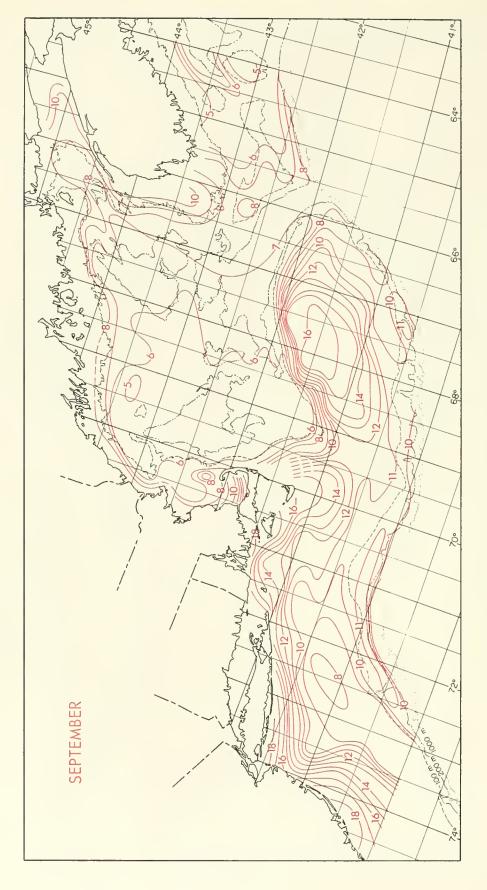


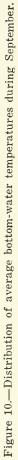












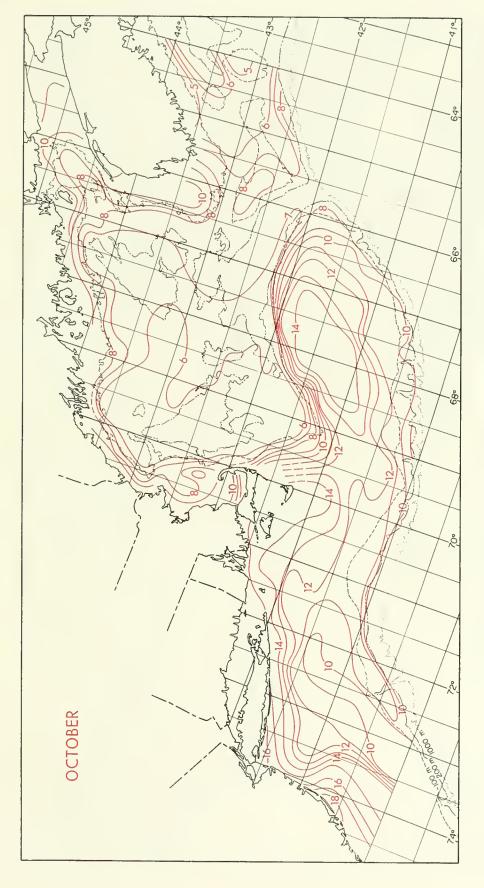
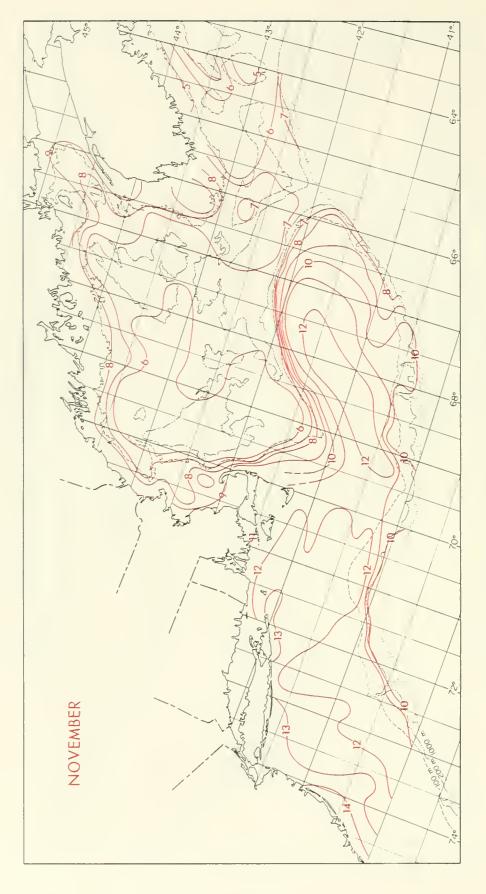


Figure 11.-Distribution of average bottom-water temperatures during October.





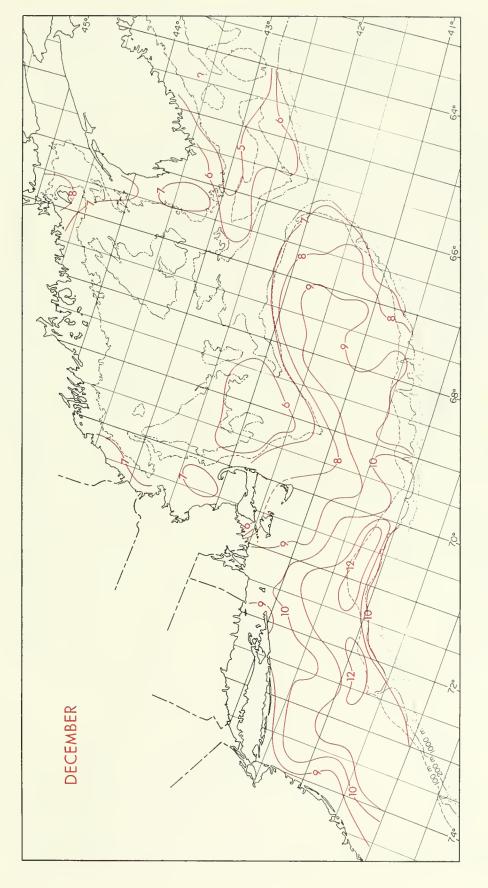


Figure 13.-Distribution of average bottom-water temperatures during December.

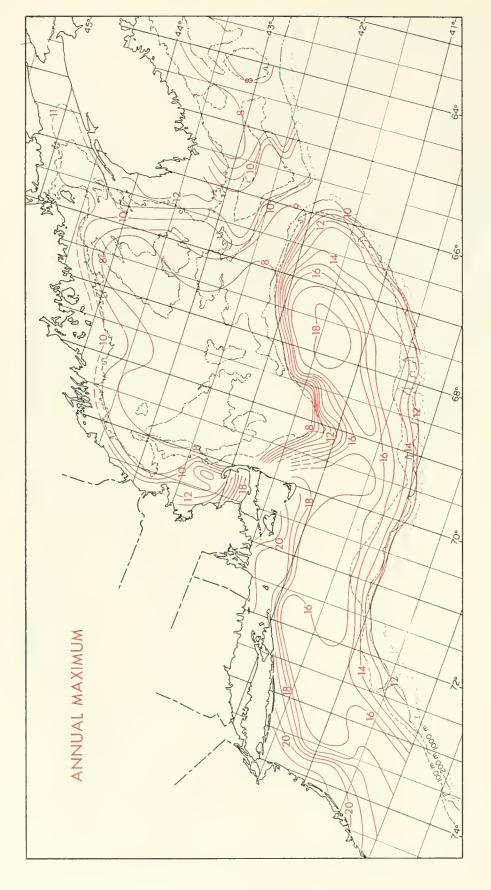


Figure 14.-Distribution of long-term annual maximum bottom-water temperatures.

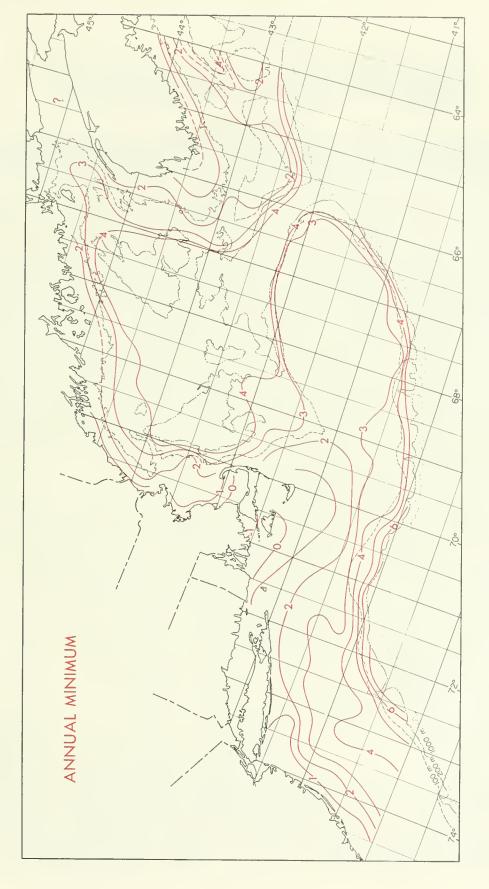


Figure 15 .- Distribution of long-term annual minimum bottom-water temperatures.

APPENDIX

KEY The four-digit numbers in the column an the left give the latitude and langitude of the southeast carner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.



			1-:	201	١		21 -	40	٨		41-6	601	٨		61 - 8	801	٨		B1-1	100/	M	1	01-	150	Μ	1	51-	200	M	2	01 -	250	M
JANUAR	Y	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D
3972	_											-				-						-											
0//2	1					<u> </u>																				11 2	121	1	2				
	2													11.2	112	1	1					117	117	1	_1								
	3				<u> </u>															2										91	128	3	з
2072	4				<u> </u>					5.1	117	2	10	5.1	10 0	2	2	90	11.7	1	1	-											-
3973				-		+				00	92	,	1	70	11.9	3	4			-													1
	2					45	7.3	з	.3	7.3	74	2	2	1.0	11.1						-												1
	3							2						96	96	1	1	-		†	-								-				
	4					21	8.2	11	29	77	77	1	1																				
3974																	ļ					ļ	1					<u> </u>					
	1	4.5				8.7		T	1													<u> </u>				-	<u> </u>						-
	2	5.8	6.3	1_		5.8	-	7	1_										-		-					-							-
	3	5.1	5.1	1	1	58	5.8	1	1	-									-										-				
4066	-				-	+												94	8 4		1	13.9	139	1	1	1—	-						+
4067	4			-		1				-		_					-	0 T	0.7	-		1.0.1		-	-	1-	-	1	1			-	
	2						1																5.9										
	3																	39	123	12	4	14 1	141	1	1								
	4					-				4.2	42	1	1	4.4	104	2	5	45	12.8	3 3	3		1				ļ				<u> </u>		
4068				ļ	<u> </u>	<u> </u>	-							 						-	-	<u> </u>	<u> </u>					_					-
	1	<u> </u>				+	-				-						<u> </u>						60					-	-				-
	3							-			5.9							48	11.8	12	4	4.9	5.1	. 1	1_			-	-		<u> </u>		
4069	4			-	\vdash	+		+		6.0	60	1	-	3.3	7.7	-	3				<u>+</u>	+	-	-							1		-
4007	,		-	-	+		+	+	+					55	55	1	1			-	1	t	+					1	1		1		1
	2						1	1	1						72					1									-			_	
	3									29	7.2	9	18											_									
	4									3.1	7.3	2	3	I									-									ļ	
4070						_	<u> </u>							<u> </u>							<u> </u>				-	-						<u> </u>	-
	1		-			+				-	1			4.8	9.1	3	3	78	14 9	4	5	126	148	3	3	11.0	13.3	2	2	6.7	9.3	2	2
	2			-	-	+	-	-				-	-						139	5	6	4.6	142	5	7	7.8	13.7	5	7				+
	3			-	+	121	7.7	2	3	1.0	7.4	7	6	3.3	94	5	4			+	+		+			+		+	-			-	1
4071	4			1		+	+		+	a.5	1.7	-/		5.7	1.1		1		+	-	+		1			\vdash		1	-		-		
	1			1		+	1		1	-				11.4	11.8	2	2	7.3	131	1 5	8	11 3	138	4	5					10.7	12.1	1	1
	2							1							11.2						1												
	3								1		100											 	Ļ		<u> </u>			Ļ		I			
	4				-	2.8	8.6	5	5	38	9.4	4	5	4.8	105	2	2				-					1			-				-
4072		-		-	-	-		-						100	-	-			-	-	-	-			-	-		-					
	1			-	-			1		1	0.1		-	7.9	5.1		2		-	-	1				-		-		-	-		-	
	2		-	-	+					4.5	9.4	3	3	-			+	\vdash	+	+	+	+	+	-	+		-	-	+		+		+
	3 4					8.3	9.3	1,	1											1	1		1					-					
4073	1					0.4	1	1		1			1								-												
	1			1		6.1	107	12	4	4.6	106	4	4																				
	2	5.8	5.8	1	1	5.2	10.5	5	7	6.7	6.7	1	1	4.5	8.7	2	2						-					-		-			
	3	8.2	8.2	11	1		1-													-		-	+				-	-					
43.4.5	4	8.1	9.3	1	1	-									-					+			+		-	-	-	-		-		-	
4165	4					-		-				-				-	-			-	-	E 4	7.7	2	2	-		-		-			
4166	4		+	-	-	+	-			-		-	1	1-	-					+	-	3.4	11.1	-	1					1			-
4100	2		-			-				1			1	7.3	8.2	1	2	7.7	7.7	1 1	1		1					1					
	3		1	-	1	1-	1	1		1		1			7.1		2	4.9	7.1	2	2	46	4.6	1	1		-						
	4									5.4	67	1	2		7.3		2	7.2	7.2	1	1		T										
																							1				-	-	-				
			1			\vdash													ļ.,							-			<u> </u>	-			
			1	201	A		21.	40/	4	1	41-	601	4	1	61-	001	4		01 -	100		1 1	01-	150	AA [1 1	51-	200	144	1 21	01 -	250	M

KEY The faur-digit numbers in the calumn an the left give the latitude and langitude of the southeast corner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables give. A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.



.

LANULAD			1-1	20 N	A		21 -	40	A		41-	601	١		61 -	801	A	1	81-1	100/	M	1	01-	150	M	1	51-	200	M	2	01-	250	M
JANUAR	Υ.	А	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	в	С	D
4167																																	
	1									3.9	7.4	2	3.	4.4	4.5	1	1_																
	2					7.6	7.7	1	1	4.2	4.2	1	1.	42	4.3	1	2				ļ								ļ				-
	3						<u> </u>	ļ				3		7.2	7.2	1	1				ļ	I	<u> </u>	ļ					ļ				
	4					5.1	66	2	2	5.5	7.1	2	2					5.0	5.0	1	1	5.3	5.3	1	1	6.1	6.1	1	1	-			-
4168								-						-					ł	-		<u> </u>							<u> </u>				-
	12					8.4	8.4	1	1	4.1	8.9	2					1		-		-	-		-									
	2	-																	5.1	1	1	6.4							<u> </u>		6.0		1
	3									5.4	5.4		_/	6.8	6.9	2	2	-				50	6.9	3	3	5.2	7 0	2		61	7.2	2	5
4140	4						-															6.8	6.9	- (2.4	T. al	3	3	 			+
4169							1 3		,	60	<i>c</i> ,		1	4 2	61	7	2	5 4	5 4	1	1	5.2	67	2	2				+				+
	2				<u> </u>			2		5.7	0.1			1	0.0	-	~	5.7	5.7	+ 1	1	Jula	07	0	9			-	-				+
	3		-			3.9	6. et		-	<u>+</u>								<u> </u>			-	6.2	62	1	1	60	62	2	7				-
		3,3	3.3	,	1	4.5	4.8	1	з	4.8	5.8	2	2	-				4.7	4.7	1	1	5.9	5.9	1	1			<u> </u>	1				
4170			0.0			1.0	1.0	1	- <u> </u>	1										†		1							1				
	1					1.7	1.7	1	1																								
	2	14	14	1	1	0.8	5.7	8		1.8	71	4	5																				
	3					3.4	3.4	1	1																								
	4	-0.4	3.2	2	2	5.2	5.2	1	1			-													ļ								_
4171															-													<u> </u>			1		
									11					1								ļ		ļ						<u> </u>	ĺ		
	2	4.6	6.0	1	2	28	7.6	4	6	5.5	10.1	4	4					ļ				I	-	ļ			<u> </u>	<u> </u>	ļ	I			1
4264					-	 	ļ	+							-			<u> </u>	<u> </u>	<u> </u>		-		-				<u> </u>	i				
	3					-			1	<u> </u>		l 			<u> </u>					+	-		3.3							4.8	4.8	1	1
	4			-		 										ļ				-		4.0	4.8	1	1				<u> </u>				-
4265						_				<u> </u>								<u> </u>			-	<u> </u>		-		-							-
	1/	<u> </u>				 		-		<u> </u>						-				<u> </u>			-	+	+			<u> </u>	<u> </u>	4.8	4.8	1	+/-
	2			-	-										-			3.4	3.4	1	1_	3.4	3.4		1	4.6	4.6		1	4.9	4.9	1	+-
	3									 —					<u> </u>	•	<u> </u>	2 1	-	-					2	4.8	4.8	1	-1-	E /	E /		+
4266	4						. —			\vdash						-		3.3	7.4	2	a	3.0	3.0	<u>'</u>	1			-	+	3.6	5.6	-/-	+
4200	,	<u> </u>			<u> </u>					<u> </u>		· · · ·							+	+	+	+	+	+	+				+	E	5.5	,	2
	2	-			\vdash				-					AL	4.6	,	1	1.1	I A A		1	8.1	91	1,	1	-			\vdash	13.1	10.0	,	-
	3		-			<u>+</u>	+			<u> </u>					2.8										2	53	53	1	1	1			
	4				1				1			-			<u>et - O</u>	· ·	1								1					58	5.8	1	1
4267	1	-				1	1	 	1					1	1				1	† •	ť	1	1.0	1		0.0			1	10.0	10.0		+
	1					-			1	1		1		6.7	6.7	1	1		1			5.3	5.3	1	1	6.1	6.1	1	1	5.9	5.9	1	1
	2														1																7.2		3
	4]																						6.1		2
4268																																	
	1																		-							6.2	7.9	З	3	83	8.3	1	1
	2		_	-	_					-				-											-	52	5.9	2	2	6.0	6.1	2	2
	3		-			-								-								-	-		-	6.0	76	3	3	5.9	7.8	3	3
1.0	4													-								-			-	5.9	7.8	2	2	62	78	3	3
4269	-				-			-	-	-				-			-	-	+		-	+							-	1			
	1					-		-		-		-		-						-		6.2	6.2	2 /	1	5.0	6.4	2	3				1
	2		-	-	-	-		-	-			-							-			-	-	-				-	-		6.6		2
	3							-	-	-		-						-	-	-		6.6	66	+/	+-	5.7	6.6	2	a		6.6		1.
4270	4	-		-		+				1-		-					-	-	-			1	-	-		-		-	-	0.3	0.3		1
4270	,			-		3 1	4.2	2	2	20	40	2	2	2.0	173	2	1	24	3.4		1	1		-			-		-			-	1
	+	-		-					3				3	d. 8	1.3	3	4	3.4	3.4		+1					-	-		-	1			1
	2			-	-	04.3	4.6	12	10	4.4	7.4	-1-	-1-	30	3.8	1	1	45	3 5.6	2	2	5.0	50	1	1				-	-			1
	4	-	1	-	-	37	3.7	1	1	46	4.6	1	1		5.0				4.9			1.0	0.0	-	1	-							1
	1					1	0.1	1		1	1.0	1	-	1		1		1	1.1	-	1	1-	1					-		1			
	1				1	1			-	1		-								1	-	1											
					<u> </u>		-	1		<u> </u>	L	A			dama a	A		-	fame		4	+		A	A second				4				-

KEY The four digit numbers in the column on the left give the latitude and longitude of the southeast carrier of each one degree-guadrongle. Each one-degree guadrongle is divided into 30-minute guadrongles, numbered as in the diegrom to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.



JANUAR	v			201					M		41-				61 -				81-	_			_		M				MC	_	201 -	250) M
		A.	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4364				L			1		_	-		ļ	ļ			ļ	1	L								1							
	2	<u> </u>		ļ	1		-					ļ						6.7	6.7	1	1		ļ							_			
	3		ļ										1			-		49	4.9	1	1					1			-			ļ	
4365	_	L									ļ				-		-	1								-	-			ļ			
	1	<u> </u>	<u> </u>	}		<u> </u>			_	-			ļ	<u> </u>		-		Ļ	ļ			Ļ	ļ			48	4.8	1	1	ļ		<u> </u>	
	2						-	_		3.3	3.3	1	1	4.2	4.2	1	1	<u> </u>				I				<u> </u>			i—				
4366	1		-	-										1												<u> </u>		-		<u> </u>	-		-
	1	ļ		Į		-		_		44	44	1	1	+				ļ					-			-	-		-			ļ	-
	2			-								Ļ.,		<u> </u>		-						3.3	3.3	1	1					ļ			
	3	<u> </u>		<u> </u>		3.8	3.8	8 1	1	32	3.2	1	1	5.7	6.2	2	2					<u> </u>				<u> </u>				<u> </u>			
	4													+				3.0	68	4	5	30	67	З	4	50	5.0	1	1				-
4367	-						÷		_						-		-	-									-	-	-			ļ	-
	1.	<u> </u>							_						-		-											1	T	6.1	6.1	1	1
	2	<u> </u>	<u> </u>					_						-		-	-				-					5.8				<u> </u>		ļ	_
	3						-						-		-				-	-	-	43	5.4	2	2	51							-
1011	4	-																								51	6.7	1	1	68	68	1	1
4368					-				-	-		-							-												-	-	-
	1									+							+											2					1
	2					-	-	1											-	-						61				67	67	1	1
	3				-		-										-		2.8											-	-		-
1010	4																-	6.6	66	. 1	.1	36	4.6	1	1	43	66	2	2				
4369					-				_	-		i				-				-	-							-					-
																				_						51							-
	2				-	+	-														+					66	6.6	1	1	64	64	1	1
	3					-				+		-							-				6.7	.1.	1.								-
10-0	4					5.1	5.	4-1	1				+	4.3	4.3	1	/	4.1	4.1	1	1						-	-					-
4370	-				-				_				+		<u> </u>							-	-		-								-
	1	<u> </u>				+	+				4.4				+			62	6.2	1	1	4.2	7.8	4	5	+	-	-	-				-
	3					3.4	3.	4 1	1	2.1	6.5	10	17					-		1	1	-	-	-	£	-	-	1	-	-			
4465	-							_				-		-		1	-	-			-	-		-				-	-	ļ			-
	4								_			+		6.3	6.3	1	1	6.2	6.2	1	1	-	-	-		-	-			+			
4466										+										-	-	-		-	-	-	-					+	
	μ.													1	-	-			5.4											4.4	44	·	1
	12			1						3.1	31		- 1			1	1		5.5											-		+	-
	3						-									-	-	7.2	7.2	1.	+1	30	7.2	2	3	46	46	1	1		d 1		
4 4 4 77	4		-		-			_								1		6.5	7.1	1	1	6.1	6.1	1	1	-	-		-	7.1	7.1	1_	+1
4467	-		-				-	_							2	1						10					-	-	-		-	-	-
	2					171	=1				6.0		-		3.0					-	-	6.8	6.8	-1-	_/		-	1	1	-	-		-
4440	3			1	-	17.1	7.		_/	2.7	6.2	2	2	3.0	3.0	1	1	-		-		-	-	-	-		-		-	-		-	-
4468	-														-		-	1		-	1.0	-	-	-	-	-	+		-	-		-	-
1515	+-		1		1		1			+		-	-	127	6.7	2	2	4.4	6.8	2	2	-	-	1	-	-	1	-	-	-	-	-	-
4565	+						-	+		1			-		100		<u>.</u>		+	-		-		-	-	-	1		1-	-			-
	2							1		4.0	5.7	+ /	12	4.4	5.1	1	1	6.0	6.6	-	1 2	-	-	-	-		-		-	-	-	-	-
4566	d				-				+	3.1	3.1	1	1	13.1	5.1	/	1	0.0	0.6	/	2					-	-	-			-	-	-
4566	1				-			-	_	6	61	1	1	4.1	6 1	1	2	-		-	-	-					-		1				-
	1		-			-	1	-		6.6	5.6	-1-		4.1	0 /	ed.	-	-	-					-		-	-						-
	1				,								-		1			1	-	-					-	-	-	-			1		-
	1			-			1						-					-				-				-	-		-	-	-		-
	1				1															-				-	-		-	-	1				
					1															-		-	-						1				
																	-		-			-											
	1-					-	-	-	1				-			-	1		-							1						-	
															-	-			1	-				-	-		-						
													-	1		1	1	-		-		1			-		-						
												-		1		1				-		-	-			1		1				-	
							+					-	-	1	1	1	-	-			1						-					-	
	d																						~ 1	1.0.0		1		0.0		-	0.1	0.50	
			1 - 2	20 <i>N</i>	1		21.	40	M		41-	001	И		61-	801	M	1	81 - 1	100	M	1	01-	150	M	1.	21-	200	JM	20	- 10	250	IN

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each ane degree-guadrongle. Each ane-degree quadrongle is divided into 30-minute quadrongles, numbered as in the diagram to the right. The columns of these tables gives A - minimum temperature, 8- maximum temperature, C- number of years, D- number of days.

4	3
2	1

FEBRUAR	~		1-1	201	Α		21	- 40	M		41-	601	٨		61 -	801	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	01 -	250	M
TEBROAR		A	В	С	D	A	B	C	D	A	В	С	D	A	В	С	D	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D
3969	ļ	ļ					-	_	_	-					-			<u> </u>			-												
2071	4		-		-		-	-					-						-	-										5.2	5.2		-1
3971	3		-	-			+-		-	-					-								-	-		6.6	11	1	1				-
	4		1			-	1-		-	+			-	<u> </u>			1					62	128	2	2	1			5 1				
3972	1	1.																															
	1	ļ			ļ		_		_	1				L				<u> </u>							2		81	1	1	8.2	82	1	1
	2	<u> </u>					_	_	_	+									-		ļ				3								
	3	1		-	-		+			1	10.0		10	1.1	11 2	2			92				106	3	3	87	10. B	3	3				-
3973	4	<u> </u>				+				4.1	100	4	11	PT. 1	1.5	20	3	5.7	3.1	1	1												+-
	17								-	34	34	1	1	69	11.1	2	2																
_	2		ļ					41										L				ļ				L							_
	З	1	<u> </u>						2		5.5	3	3	5.6	6.0	2	2	<u> </u>			-												
3974	4	+		-		1.7	6.	3 11	32	-			1								-	-											-
3914	,	-14	-04	1	1	1 3	1 3	4 7	2	+										+		<u> </u>											-
									2			-			-					•	-												1
4066																					-												1
	4				ļ		-	_		<u> </u>			-					4.4	1.8	2	2	5.2	5.2	2	2	5.2	5.2	1	1	5.0	5.0	1	1
4067	-				-		-					ļ										0 2	2	-		E A	121	2	2		1		-
	23					+		+										1.5	0 2	2					1					53	59	2	2
	4		1		1	+						<u> </u>		41	6.1	2	3	2.7	7.1	2	3	41	12.2	3	4	5.7	5.7	-	-	5.5	5.1		et
4068	<u> </u>				1																		1	1									
	1	<u> </u>			ļ			_																	_2_						59	1_	1
	2	-			-	-				-															3	5.1	122	3	4			_	
	3	1			1	+	-																4.	2	2		-	-		-	-	-	-
4069	4						-			3.8	5.6	3	3	3.6	6.1	6	8	9.0	1.8	had -	1						-		-	-		-	-
4007	1				1	1							1	3.4	5.1	4	4	49	6.7	3	3	5.4	112	1	1	5.1	5.6	2	2	4.3	43	1	1.1
	2													1			1	7							. F							_	
	3	1	ļ							1						_			+.8	1	1					_				_		_	_
1070	4				-	1.2	2.	5 2	2	2.8	5.9	3.	3	31	4.6	3	4	-	-	-	-		-			-	-				~		-
4070	\downarrow	\vdash	-	-	-	+	1			\vdash			-	77	5 1	1	2	1.0	107	2	2	51	123	2 2	. 3	99	99	. , -		Q a	93		1
	2		1		+	+	t			1				1.9	26	1	I	2.0	6.8	3	3	60	1+1	5	5	5.3	66	1	2	7.0	7.0	1	1
	3					1.8	4	02	2	1.0	6.3	6	6	1.8	6.3	3	3																
	4				-						6.2							-														_	
4071	-				-	-	-	-	-	-	-	-	-	-		_	_					04		-	-					-		-	
	2					-	+			-		-	-	1	4 2	2			9.1			97	11_7	2	3								-
	3							-	1-	38	66	4	4						9.1			1									-		-
	4					1.1	1.4.	1.4	5																			-			-		-
4072								T	-																				-		_		
	1					-		-		2.9	10.1	2	3	11.1	111	1	1	-	1				-	-	-	-			-		-	-	-
	2	-	-			11	-	0 0	1		6.0			4.9	4.9	1	1		-		-		-	-									-
	3 4		-	-	-				3								-		-	1		-		-							-		-
4073	T		-		1	1.1	3.	12	T	1.0	7.0		1									-			_				1				
	1		-						2																1				-			-	
									8		3.9	2	3					1			1	-								-		_	-
							2.	12	2			-	-			-	-	-	+	-									-			-	-
4165	4	-0.1	23	2	4	-	+	-	1	-	-	-	-	-	-	-		-		-	-	-	-	-	-			-				-	-
410.5	4	1				1	t	-	1	1		-	-	-				5.3	6.1	2	2	41	56	.3	3	66	66	1	1	49	4.9	1	1
	1ª					1			1																								
	-	T	1.	201	A		21	- 40	AA	1	41-	604	LA.		<u>41.</u>	80/	M		81 -	100	AA	1	01-	150	144	1	51-	200	244	21	01 - 1	250	M

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each one degree-quadrangle. Each one-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tobles give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.



FEBRUAR	v.		1-2	201	۸		21 -	40/	N		41-	601	<u> </u>		61 -	801	M		81-	100/	M	1	01-	150	M	1	51-	200	M	2	01-	250	M
		A	В	С	D	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D
4166					L	\vdash	_	-	ļ	_				-																-		-	-
	11	<u> </u>					-		<u> </u>	-							-					5.3	7.9	3	4	5.2	52	1	1	.5.6	5.6	1	1
	2	├					-	-		-				3.2	3.7	4	6		5.9			1. 1	4.4		2			-	-				-
	3					+	-	-		39	3.9	1	1	40	5.8	4	6					7.7	7.7	~	~			+	+	-			
4167	17				1-	1				5.1	5.7	-	1	4.0	5.0	7	6	5.0	0.0	1	† '							<u> </u>	1	1			
	17						1	1		3.1	5.6	8	13	2.9	6.1	5	5																
	2					39	52	3	3																								
	3				-			-			62									<u> </u>								ļ	ļ		 		
	4	4.9	5.2	1	2	3.5	4.9	2	2	4.1	6.3	З	3	21	6.1	2	2			-		_								-			-
4168	+.		-	-	-	1.	-	-	-	-						-	-	-	-	-			-	-			-		+	 			+
	1/		-	-	-	3.6	5.3	2	2										-		-	2.7	62	4			-	-	+	-			-
	23		+																							52	51	1	- -	74	79	2	
	4	-		-	-	-		100		2.0	Ø. +	5		J	Ja	1	1	5.4	5.4	1	1	39	5.5	.3	3	5.0	76	4	4	1.7	1.1	-	-
416.9	1												1					- '															
1.1	17					5.4	5.	1	1	1.2	3.3	2	2	1.5	2.1	1	1	42	5.6	3	3	4.8	4.8	1	1	3.7	5.2	3	3				
	3					4.4	4.7	1	1								1					I	-	<u> </u>					-				-
_	3		-	-	-	-	1	-	-	-	-	-	-	-			-													5.4	56	1	1
	4		-	-	-	27	5.0	3	3	1.9	3.9	2	2	3.1	4.5	1	2	4.0	4.0	1	1.	5.0	5.4	2	2	5.6	56	1	1.	-			-
4170	-			-	-			-	~					-			-	-	-	+		+					-	+		-		-	+-
									9 5		60	9	4	-	-		-	\vdash	+		+		+		-	<u> </u>		-		1-		-	+-
	10	-11	09	3	4	2.9	2.9	1	1	-		-				-	1		1		1	<u>+</u>	<u> </u>					1	1		1	-	-
4171	1	1.1		-	1	1		1	-				1					1-	1		1			1	1								
an	TT	1.2	5.1	3	4	-03	36.9	8	19	16	7.2	6	11			1																	
	2	2.9	3.6	1	2	1.1	4.7	6	13	1.4	6.1	5	8						-	-													
4264			100	-	1		-	-	-		-		-	1		-				-	+	<u> </u>			L					<u> </u>			-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	2.1	3.4	2	2		5.2				-	-		<u> </u>		-	-
	4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	3.0	4.5	2	2	-	-		+				+
4265	12	-	-	-	-	+	1	+		-	-		-	-	-	-	-	-	1	-	-	26	62	2	2		-	+	+	\vdash			⊢
	14	-	-	-	1	-	-	-	-	-	-		-		-	-	-	30	6	2	2	31	104	5	5	49	89	3	.7	41	84	5	.5
	3	-		-	t	1	-	-	-				1			1		18	5.	4	4	3.2	6.1	4	4	2.9	3.2	1	Ĭ	7.7	0.7		Ť
	4													3.6	3.6	1	1	1.6	9.3	8	10	21	57	3	3	6.6	66	1	1				
4266			12.1			-									1																		
	1		-					-	-		-	-	1			-		3.8	3 5.6	2	2	56	61	2	2	4.4	4.4	1	11	4.8	7.1	2	12
	2	-	-	-	-	-	-	-	-		1														3		-	-			8.2		T
	3		-	-	-	-	-	-	-	-	-	-	-	1.7	4.0	5	5	2.2	60	4	5	4.9	4.9	2	2	1.			1	4.8	8.2	3	5
1017	4	-	-	-	+	+	-	-	-	+	-	-	-	-	-	-	-		-	-	-	36	7.8	12	2	4.1	64	. 3	2	3.4	177	~	4
4267	i	-	-		1	-	1	-	-	1	-	-	-			1	-	139		1	1	-		1		6.3	78	2	2	1		-	-
	12	-	1		-	1	1			1	1					1		12.1	2.7	1	1	1		1		50	74	5	6	5.9	1.8	5	4
	3																							1							7.3		
	4																		1		-			-		5.9	59	1	1	8.1	8.1	1	1
4268			1				-				-	-		-	-	-	-		-	-	-		-	-	-			-	-			-	-
	1	-	-		-		_	-	-		1	-				-	-	-	-	-	-	1		-	-						83		
	2	-	-	-	-	-	1-	-	-	-	-	-		-	-	-	-	-	-	-		4.7	5.4	2	2						5.1		
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-	+	-	-				4 3		5.8	1	1
4269	4	-			-	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-		1	1	-		5.2	1.0	3	3				T
ALQY	1		1	-	-	1	-	1		-		1	-	-		1	-			-		6.2	62	1	1	6.2	63	1	1	5.0	6.8	.3	4
	2	1	-	-	1	1	-	1	1	4%	4.6	1	1						1			5.1	61	2	3	57	57	2	2	5.0	7.0	4	3
	13	-	1			I																6.9	6.9	1	1	6.1	79	2	2		101	1	
	4																-		1						-	5.0	67	4	4	4.9	7.2	3	đ
-			-		1		1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-
	1	-			1		-	1					-	-	1	-		-	_	-	-	-	-	-	-	-	1	-	-	-		-	1
			1-1	201	٨		21-	40	M		41-	60/	Μ		61.	80	M		81.	100	M	1	01-	150	M	1	51 -	20	MO	2	01 -	250)/

KEY The laur-digit numbers in the calumn an the left give the latitude and langitude of the southeast carner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables gives A-minimum temperature, B-maximum temperature, C-number of years, D-number of days.



	.		1-:	201	٨		21 -	40	٨	4	41 -	60 M	٨		61 -	801	٨	8	81-1	100	M	1	01-	150	M	1	51-	200	M	2	01 -	250	M
FEBRUAR	Ŷ	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	C	D	A	B	С	D	A	В	С	D	A	В	С	D
4270																																	
	L					25	4.6	3	3	-01	4.4	7	9	12	4.4	4	4	1.6	4.1	2	2	5.3	5.5	2	2	6.6	66	1_	1				
	2					1.2	4.0	11	23	1.0	3.3	4	4	3.0	3.9	2	2	20	4.2	2	3												
	3					111	3 2	2	2	17	34	1											-										
4364	1					of pt	5.0	~	×.	1.7	J.7	4	2	1.7	7.1	~	~	7.7	7.1		1					-							
	1		_															1.3	3.9	з	3				1					5.9	5.9	1	1
	2													1.1	3.4	2	2			ļ					4								
	3					-												1.7	1.7	1	L				1	3.4	60	2	2				
1045	4				-		-			1.2	5.1	3	4	1.7	1.7	1.	1					2.4	61	2	2			· · ·					
4365	2					22	22		7							-		29	55	3	.3	1.9	1.9	1	1			-	-	-			
4366						a.a	ad												0.0		1	1.1	1.1		- <u>-</u>				1				
	1					4.4	4.4	2	2	27	27	1	1	1.6	29	2	2	2.0	3.3	2	2	2.9	2.9	1	1								
	2				<u> </u>	_	ļ										-	2.2	2.2	1.1-	1	1.9	3.5	1	1	4.8	5.2	1_	1_	7.0	7.0	1	1
	3					1.7	4.6	3	4	2.8	2.9	2															17 4	-	+				
1217	4					-	-					-		3.3	3.3	1-		3.9	4.0	2	2	2.8	5.1	3	3	3.9	54	2	2				
4367	1			-			-		-						-			-			+	1	1							6.0	6.0	1	2
	2					<u>†</u>																									58		3
	3																					4.9	5.1	2	2				ļ	5.9	8.7	2	2
4368						-	<u> </u>		-					 						<u> </u>				-					-	-	-		-
				<u> </u>			-	-											-	-					-	5.2		2					\vdash
	2				-	+				-				-		-		-			+	4	54	2	Э					-	-	-	+
	3		-		-	┼─						-						46	46	1	1				2						-		
4369	7					1		-										1.0	1.0														
	1																								1								
	2					\vdash										-	 	з.э	З.Э	1	1	3.8	5.4	3	3_	4.0	77	2	3	<u> </u>	ļ		<u> </u>
	3	L			-		-								-			3.8	4.9	2	2	4.6	5.6	3	3		-						
4370	4	<u> </u>				1.4	3.9	2	2				-	3.8	3.8	/	1	3.7	4.3	-2	2	4.1	4.1	-/		-		+					
4370	7			-		+						-				-	<u> </u>	20	5.0	3	3	3.1	5.1	3	3	3.5	4.5	2	2				
	2	1.2	3.0	2	2	1.1	3.3	3	з	0.9	3.8	2	3																				
	3					2.1	2.1		1_	0.9	5.1	10	16							ļ													
4464				-	-														-	<u> </u>				-	-		-					1	<u> </u> !
	1_		<u> </u>	-	-	2.1	21	1	1	09	1.5	2	2	1.7	3.8	4	4	2.6	2.6	1	14	2.4	5.0	2	2	8.1	8.1	1		┣	-		
4465	1					+			-	28	28	1	1						+	+	+	+				-					-		
4466	T		\vdash			+	-	-	1	a.0	-0	<u> </u>		<u> </u>	-	+				1		1	1-		1			1	1		1		
	1					21	3.3	2	2	2.8	3.4	2	2	3.2	3.2	1	1								2				1				
	2													2.9	2.9	1	.1				2	2.6	4.5	2	2	52	52	1	1				
	3					-									-		-		3.8						2		-	-	-	3.1	3.1	1	/
4447	4					-	-							-			-	2.3	2.3	1.1	1	2.6	5.6	3	3	3.4	6.4	2	2	-	-		
4467	1		-			1-								27	27	1	1	29	29	1	1	3.2	54	2	2			-			-		
	2					1			1	2.7	2.7	1	1	1.6	3.4	2	3	5.8	58	3 1	i	1			1	7.9	7.9	1	1				
	3															1																	
4468																	-				-												
	1				-	-								-				5.0	5.0	1	1	-				-	-			-			\vdash
4565	-						2.0	1	2		4.6	1	2	-					-			+		-	-	-	-		-	-			
	2					0.3	2.7	4	2		4.6		2		-		-		<u>+</u>	-	-	-	1				1				1	-	
4566	1					1				J.1	3.1	1		1	1	-					-	1		1									
4300	1													2.3	4.5	1	1					-											
			-																							-		-	-			-	
															1				1	1		-		L					1	-			
			1-	201	٨		21-	40/	Ν		41-	60/	N		61-	80/	Ν		81 -	100	M	1	01-	150	M	1	51-	200	MC	2	01 -	250	M a

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree-guadrongle. Each one-degree guadrongle is divided into 30-minute quadrongles, numbered as in the diagram to the right. The columns of these tables give: A-minimum temperature, B-maximum temperature, C-number of years, D-number of days.



MARCH			1-	201	٨		2	21 -	40/	N	-	41-	60/	N		61 -	80/	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	201 -	250	DM
		A	8	С	D	1	4	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	8	С	D	A	В	С	D	A	B	С	D
39.69	1.					-	+				-							<u> </u>		-		-		-		-				-				-
3971	4				-		+						-	-				-	\vdash			-	\vdash	-			6.1	66	/	1		-		+-
	4														ļ												8.8	11.1	1	2				
3972	_	<u> </u>											ļ	-	-	L										-					-	-		-
	2	-		-	-	+	-							-				-	57	61	1	2	6.3	10.4	2	3	10.7	<u> //.</u>	/	4	9.4	11.1	2	2
	3												İ													3	10.7	10.7	1	1				
	4										6.2	79	1	5	3.9	9.2	5	6		_				5.1										
3973	_			<u> </u>	-						<i></i>	-			-																			
	2					2	8	39	1	1	5.1	5.1	+-	1	+			-		-		-	ł	-	<u> </u>	-	-		-			-	-	+
	3				<u> </u>	3	.8	6.1	2	2	3.8	5.5	2	2				+			<u> </u>		-	-		-		-				1	!	1
1	4		_							33																				-				
4066	_				-	+	-															-				<u> </u>								-
4067	4				-	+	-			-					7.3	7.3	1	1	6.1	6.1	1	.1	8.4	8.4	_/_	1			-	-	82	8.5	1	1
	2				-	1				-										1			7.5	10.5	2	3			+					1
	3														3.3	3.3	1	1	3.6	5.4	2	2	5.7	9.7	2	2								
	4					-		_		-				-	3.9	5.3	3	7	3.0	6.2	3	4	5.2	10.2	3	3					 	-		-
4068	-			-	-	+	-	_		-	-							-					8.1	02	4	-				-	100	100		+.
	2				-	+-				1	2.8	2.8	1	1	43	76	2	2								4	56	6.6	2	2	109	10.4	1	+-
	3						1									5.5	-	1			-		1.0				-					1		1
	4					\perp	1				29	4.5	4	4	3.9	6.6	4	6	2.9	4.9	2	2				· 								
4069	-				-	+	+						<u> </u>	-	0.4	4 . 7	-	-			0	-		10	-		-				_			
	2					+	-								34	4.2	d	d	3.9	3.9	2	2	39	121	3	3 5	6.0	6.0		1	-			+
	3			1	1	3	4	3.4	1	1	1.7	5.4	11	23	3.1	5.1	7	9						1.4		5	10.1	10.1	1	- r		1		\top
	4									1																			1					
4070	_			<u> </u>		+																-	-						-	-		<u> </u>		
	2				-	+	+				-				42	5.1	2															11.1		
	3				-	3.	6	4.8	2	2	1.0	4.0	5	6	2.1	5.1	4	4	0.2	0.4	/	1	7.4	11.1	Ŧ	4	10.6	10.6		1	11.0	11.0	1	1
	4										1.6																							
4071	_				-	+	-							-				-			-		_			_	-	_	-	_				
	<u>_</u> 2					┢	+							-									4.4				6.3	10.7	2	2	10.4	11.1	1_	2
	<u>ح</u> ع					+-	1				1.7	58	7	9					<i>d.</i> 7	5.0	3	4	4.5	4.5	-/				-					+
	4					2	8	45	5	5																								1.
4072	_					-				<u> </u>	<u> </u>							ļ				-									_	ļ		-
	4		_			┢					10	Ed	-			5.0 5.1				-		-		-			<u> </u>		-	-	<u> </u>	-		+
	23	-			-	5	1	51	1	1					47.1	3.1	1	~				-	-	-			-		-					-
	4	-			-					1																1								1
4073				_	_	L				+																								
	1		1 -	-	-	0.	6	6.6	2	5	5.1	5.1	1	1	1								-				-		-					-
	23	2.1	4.7	2	8				8		3.3	5,5	1	1	4.6	4.6	1	1		-	<u> </u>	-												+
		16	4.8	3	3										-							1												
4165	1			_	E			23		6-																								
	÷	-	-	-	-	-	-	-	-	-													4.1	6.8	4	5	5.4	5.4	1	1	<u> </u>			-
4166	7	-		-		+	+	-	-	-									11	60	A	1	6.2	61	1	1	8.4	84	1	1				-
	2			-		t	1		-		-				2.9	52	4	5								2				1				-
	3					L									3.9	56	3	3	3.1	6.1	5	10	1.8			1								
1	4														30	54	0	12	29	3.2	2	2												

KEY The four-digit numbers in the calumn an the left give the latitude and langitude of the southeast corner of each one degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables give: A - minimum temperature, B- maximum temperature, C- number of years, D- number of days.



.

MARCH	4		1-:	201	٨		21	- 40	M		41-	601	N		61 -	80			81-1		-	÷	01-	150	M	1	51-	200	M	2	01 -	250	MC
	- -	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4167	 					-	-	_			+						-	 			-									_			
	1		<u> </u>		-			2 1 9 1										<u> </u>				┼──								<u> </u>			+
	2							1 1										<u> </u>	-					-									-
	4	54	56	1	2			13								1	13				-					†							
4168	ŕ	0.1	3.0	-	-					10.7	1.0	-		1	-		-									-				1	-	1	1
	1					3.9	3.9	9 1	1													E											1
	2					ļ				3.5	5.9	2	2	4.5	62	2	З	4.5	6.0	2	3									ļ	_		
	3					5.0	5.	5 2	2	4.6	5.4	2	2												1						7.3	2	3
1.1.0	4					+	-							5.1	5.1	1	1	4.1	4.1	1	1.	3.3	5.1	4	5	42	1.3	6	11			-	
4169	<u>-</u>				+			+		67	51		÷.,	51	57	2	2		11			27	5.4	1	4	10	10		+				
	1				-	+-	+	-	+	21	31	1	+	5.6	51	~	~	4.3	4.6	2	~	3.3	54	4	4-	<u> 4.7</u>	4.7	1.	1_				1
	3					-	-		+	3.1	51			32	32	1	1	34	35	1	2	3.8	39	3	3	43	6.2	5	7	51	61	2	2
	4			-	· ·	2.9	2.9	7 1	1	2.3	4.3	3	3	2.3	5.3	2	2	3.7	3.7	1	1	3.4	6.1	5	6	4.3	4.3	1	1	4.3	4.3	1	1
4170																																	
								3 /																									
	2	21	6.0	3				0 5																									
	3							72			22	1	1_	<u> </u>										<u> </u>						<u> </u>		-	-
43.73	4	1.2	5.9	3	5	1.7	5.0	63	4	+		-			-			<u> </u>											-	-		-	+
4171	+	10	10	А.	0	1.	5	0 8	10	1/2	57	1	15										-			-							+
								0,6						-		-							-			-			1				+
4264		di . 1	7.7	~	~	1	1		·	12.5	0.1			<u> </u>			1		1		<u> </u>	1	<u> </u>						1			1	1
	2					-			1	1	1			1	1		1	-			-	5.8	7.7	2	2			-	1				1
	3							1																	1	4.2	4.2	1	1				
	4					Į	-	-						_				3.1	3.1	1	1	2.3	5.6	7.	8	7.9	85	1	3				
4265	Ļ					\vdash	-	-	-				ļ	<u> </u>	<u> </u>	<u> </u>	Ļ	<u> </u>											-				_
	1					-	-	-		-	ļ								5.7											<u> </u>	-	-	-
	2				<u> </u>		-	-	-	-	-	-		<u> </u>			-								5	4.2	4.2	1	1	5.7	5.7	1	1
	3				-	-	-	1	-	-	-	-	-				<u> </u>		4.6						8			-		-		-	+
4266	4				-	-	-	-	1		-			4.4	4.9		1.	1.3	4.4	0	12	1.0	9°. d	0	7	9.6	7.6	/	1				
4200	1	-			-		E			te			· · ·	5.6	56	1	1	4 6	6.3	4	4					4.8	48	1	1	6.1	73	4	6
	2						5			4.9	4.9	1	1	1.2	4.9	5	6	2.9	56	5	5	4.4	4.4	1	1								
	3				200	1	10		1.1																З								
	4						4					-										3.0	66	3	3	2.5	7.3	3	3	4.2	7.4	3	3
4267_			-		1	-	-	-	1		-																		1		ļ		
	1	-		-	-	-	-	-	1										4.0									1					
	2	-	1	-	-	-	1	-	+	2.8	5.2	6	6	3.2	5.1	3	3	5.5	5.5	1	1	3.9	3.9	1	1	5.0	5.0	1	1	5.1			
	3	-		-	-	-	-	-	-		-	-	-			-	-	<u> </u>					-		-	11	7 2	2	17	5.1	7.3		
4268	4	-	-			1	-		1			-		-			-	-								6.1	1.3	4	~	5.7	0.1	Ŧ	4
21.00	1		1		1	1	1		1					-		-	1						-			5.5	7.3	3	3	59	76	2	2
	2																					4.5	6.0	2	2	4.0	5.6	3	3	7.2	7.2	1	1
	3						1																			6.6	7.2	3	3				1
	4	-		-	-	-	4	-			-	-	-			-	-					56	66	2	2	5.0	7.2	2	2	5.9	6.0	2	2
4269						-	-											-															-
	1	-		-	-	-	-	-	-	100	0.0	-				-	-	-				1.		0	-		5.1		1	6.	11 2		7
	2	-	-	-		-		-	-	3.3	3.3	1	1					-	-				5.6		2	5.0 6.1			2	5.1	7.3	6	7
	34	-	-		-	1	-	-	1					5.0	5.0	1	1			-	-	0 0	6.2	- (5.5				4.1	74	4	6
4270	4					1			1	1										-						5.5	5.1	-	-	1.1	14	7	0
- A I W	1				-	24	3-	+ 5	5	2.8	35	3	4	2.6	4.4	3	3	2.3	3.9	4	4	3.1	5.0	4	4								1
	2							912											2.3														
	3						1			28	2.8	1	1	21	4.7	3	4		5.7			4.4	6.9	3	3	7.2	7.2	1					
	-										3.8								3.3														4

KEY The faur-digit numbers in the calumn an the left give the latitude and langitude of the southeast carner af each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram ta the right. The calumns of these tables give: A - minimum temperature, B - maximum temperature, C - number af years, D - number af days.



MARCH	.		1-2	20 M	٨		21 -	40	٨		41-	601	٨		51 -	80	٨	1	81-1	100	M	1	01-	150	Μ	1	51-	200	M	2	01-	250	M
MAKCH		A	В	С	D	A	В	С	D	A	В	С	D	A	8	С	D	A	8	С	D	A	В	С	D	A	В	С	D	Α	В	С	D
4364						<u> </u>												_															
	11	_				-		<u> </u>									-	1.9	6.8	4	4	1.6	2.9	2	2	4.1	8.3	3	3				
	2					-	-							0.0	1.8	3	3	2.1	27	2	2				3 2								-
	3						-			0.5	0.5		1	-				10	10		1				2				1				
4365	4				-	-		+		05	0.5	1	-					4.0	4.0	+	1	10	7.1	<u> </u>	_	7.7	77	/			-		
4305	1				-	1-	1	1	t					11	1.1	1	1	1.6	3.3	2	2	22	3.8	2	2	4.3	4.8	3	3		-		
	2					1				0.8	11	2						1.1	2.4	3	3	16	4.7	4	4								
	3													04	0.9	2	2											_	_				
4366									L									<u> </u>				I						ļ		ļ			<u> </u>
	1					<u> </u>		<u> </u>		2.3	3.3	1	1	10	1.0	1	1	1.3	1.3	1	1	1.6	4.9	2	2			-	-	-			
	2							-				-	-	1.9	1.9	1	1	18	1.8	1	1	27	3.7	3	3	4.4	77	2	2				-
	3						-		<u> </u>	21	3.3	2	2	24	3.3	2	2		32			120	71	5	5	27	50	A	1	82	87	,	1
4367	4		-							\vdash								3.0	4.1	3	3	20	1-1	5	5	- 1	5.0	4	4	0 4	0.2	1	/
4307	1					-								-				1-			1	1				67	6.7	1	1	67	8.4	2	2
	2				1	1				1												-				57	5.7	2	2	5.8	58	1	1
	3																									72	72	1	1	6.8	6.8		1
	4																					L								5.1	5.9	2	2
4368														-													-		-	1			
	2			-	<u> </u>	L		-						<u> </u>	-		<u> </u>					<u> </u>	-							52	52	1	1
	3			<u> </u>	-					<u> </u>				-	-		-				-	1.0	<i>c</i> .		4		72					-	
12/0	4					-		+		<u> </u>					-		-	├		-		1/4	5.1	4	4	40	2.7		+-	<u> </u>	 		
4369	2			-	+	-		+	+				-		-			1	11	,	,	141	57	3	3	40	40	1	+	51	51	1	1
	3	-				1		+					-				1-	7.0	7.0		1	4 4	4.6	1	1	-7.0	7.0			1	10.1		- <u>-</u> -
	4				<u> </u>	28	32	2	2	39	39	1	1	-			1	\vdash	<u> </u>			50	5.0	1	I	3.9	3.9	1	1				
4370	†́			-																													
	1									29	4.1	2	2	3.0	4.4	3	3	4.3	4.9	3	3	2.8	5.1	3	3								
	2					3.4	3.4	4.1	1			1		24	4.0	2	2	22	2.8	3	3	_					ļ			I	1		ļ
	3	33	3.3	1	1	2.9	3.7	1	3	1.9	4.3	13	24				ļ		-	-		 	-						-	_			
4464	-			<u> </u>	-			+					<u> </u>					-		<u> </u>	-	-							+		+		-
	₽_		-		+		+	-	-			-		0.0	00	1	1	0.2	0.2	ĻĹ	1	3.6	3.6	μ_	1			-	+	-			+
4466	<u> </u>							-	-	-				1.	11	1	-	27	2.7	1	1	+						-					-
	2	<u> </u>	-	<u> </u>	+	+	+		-	29	2.9	1	1	22	22	1	11	21	4.3	4	4	3.6	42	2	2	35	79	.3	3				1
	3		 			t—		+	}	1-1		1					1	2.5	2.5	1	1	2.8	5.0	2	2		1			5.0	5.0	1	1
	4										-	1						3:	4.3	2	2	3.0	5.5	3	3					2.5	25	1	1
4467																																	
	1													3.6	5.4	2	2	26	2.6	1	1	3.0	5.5	4	4	L			-		5.6		1
	2	<u> </u>		Ļ		 		-	-	19	1.9	1	1	<u> </u>			-	18	1.8	1	1	1	-	_		4.7	6.0	2	2	5.4	5.8	2	2
	3		-	-	-									28	28	1_	1		-	-	-	-	-	-		-			-				
4468					-		-	-		-				12.0	2.0		-	1,	1,	,		+ -		-				-	-	-			1
4544	2	-			-							-		2.0	10	-/	1	1.6	16	+-1	1	-		-	-				-		-		+
4564	2	-	-	-		-		1		21	3.3	2	2	-			-	1	-	1-		1	-	-						1			1
4565	1	-		-	-	1			1	<u>~ /</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	-	-							-	1								1				
1000	17				1	2.1	2.1	1	1																								
	2									1.1	2.3	2	2	3.4	3.4	1	1	44	4.9	2	2												
																												-			+		-
			1			-		-									-		-	-	-	-	-			-	1	-	-		-	-	-
								-	-	-	-	-			-								-				-			-	-	-	
	-	-			+	-	-	-			-	-		-	-	-			-	-		-							-	\vdash			-
	+	-				-	-		-		-	-		-	-			1-	-	-		-				-		-	-	1	-		
	+-		-	-	+		+	1-	-	-							-	-		-	-	1-	-		-			-	1	1	1		
	+-			-	1	1-	1	1	1						1						1-	1						1					
	-			20 M		+	1 .		-	1	41-			1	61-		-	1	81 -			1	-	150	-	1		20		1	_	250	

KEY The four digit numbers in the calumn on the left give the latitude and langitude of the southeast corner of each ane degree guadrangle. Each ane-degree guadrangle is divided into 30-minute guadrangles, numbered as in the diagram to the right. The calums of these tables give: A - minimum temperature, 8- maximum temperature, C - number of years, D - number of days.



APRIL			1-	20/	M		21-40M				41-	60/	M		61-80M					100M		1	01-	150	M	1	51-	200	DM	2	201 -	250	250M		
		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	8	С	D		
_3971				ļ																												I			
3972	4		-	-	-				-				-			-				-		58	9.0	2	2	106	10 6	1	1				-		
3712	17	$t \rightarrow t$		1	+			-					+		-	1						74	117	.3	3				-		-				
	2								1					3.5	3.5	1	1					74	8.3	2	2					1		+	-		
	3		<u> </u>							-				Ļ				30	7.3	3	8	89	96	3	4	9.0	9.0	1	1	8.0	80	1	1		
2070	4	<u>+</u>	<u> </u>					-		3.9	66	3	16	4.4	5.8	2	2						-	-											
3973	17	+ -			1-	1-	-	+		51	54	2	2	5/	5.1	,							-						-		-				
	2	1		1-	+	5.5	55	5 /	1														1-		1		-		-			-			
	3								1	4.1					4.9	1	1											-							
	4	-		-		3.2	17.4	4 11	33	5.1	5.1	1	1	Į			ļ	<u> </u>	-			L													
3974	+	100	dE	2	-				1				-				-		-	-	-								-	 		<u> </u>			
	1	6.5	99	2	3	67	6.1		/	-				-			-			-				-								<u> </u>			
	3	5.3	5.3	1	1		1			<u>†</u>			+	1	t		1-			1	-	-		1				-		-					
4066						-																													
	4			-	-	-												18	57	3	3	63	129	3	3	100	10.0	1	1	9.3	9.3	1	1		
4067	2				-	-			-						-			-			-	6.0	10.							100					
	$\frac{1}{3}$	 —		-	+	+		-						1.1	1.9	2	7	30	19	/		5.9 4.3			2	78	78	/	/		68		+		
	4	<u> </u>	1		-	1-	-			55	63	3	3	26	6.3	7	13	29	78	6	6	29	11.1	.3	3			-	-	00	00		1		
4068							_		1																										
	1					<u> </u>	-	-	 				ļ					3.1	71	3	3	6.7	10.1	5	5	5.3	70	1	1	95	95	1	1		
	2		-				-		-	94	94	1	1	51	57	2	2	57	7.3	3	3	129	129	1	1	70	95	3	4	10 6	10.6	1	. 1		
	3	-			-	56	5.6		1	29	60	3	3	1.2	6.1	4	5	29	6.8	2	3		-						-		<u> </u>	<u> </u>			
4069	7				1	1-		<u> </u>		5.1	5.7	~	~	9.0	/ ~	0	10			<u>† </u>															
	1					-																			4										
	2				-	ļ								3.7	4.4	2	2	3.1	4.5	2	2	5.1	109	4	4	11.7	11.7	1	1						
	3			-			+	-		29	6.7	11	24	3.2	82	7	11	5.0	5.9	З	3	<u> </u>								<u> </u>					
4070	4					28	6.0	3	3	32	55	6	8	38	5.4	2	2			-	-							-							
4070	17				+		-							126	126	1	1	132	132	1	1	54	13.7	3	4	IO B	108	1	1	67	79	2	2		
	2																								4										
	3			<u> </u>		2.9	61	5	5																										
4071	4			-	+					32	53	5	7	2.7	5.2	6	13	-			-	-							-						
4071	1													47	59	7	2	34	103	4	6	47	12 2	4	4	6.6	80	2	2	96	121	2	7		
	2						1			52	52	1	1	4.2	5.1	3	3	26	60	3	4	7.1	132	7	7	0.2	00	-	24	75	129	d.	~		
	3						-			46	62	4	4	29	82	6	7																		
10	4				-	54	64	2	2	4.4	6.6	3	3	2.9	4.9	2	2																		
4072	-					-				()	()	,		5 1	11	2	2	20	4.1		2														
	12					-				62								3.9	4.	1_	2				_										
	3						1			4.6				7:1	7.1	-	/																		
	4					5.8	5.8	1								•																			
4073																																			
	1	15	00	1	-			4		2.8				6.9	6.9	1	1											-							
	3	4.5 4.7	71	2	2	39	39	7	12	40	4.8	2	3	-																					
	4	4.6	9.1	2	3	Ľ.,	0.1				-	_		_																					
4165																																			
	4				-			-	-				-					5.4	54	1	1	51	100	4	7	6.0	73	3	3	62	7.0	2	2		
	-						-																			-							_		
					-	-		1											-											-					
			1-2	204	4	1	21-	40			41-	604			61-	804	4		81 - 1	00	A.A.	1/	21-	150	A.A	1.6	51 -	200		20	11	250			
	.01	1		211	400	1		41-0	000	ri		61-80M				91.	00	m	10	01-	150	m	13	- 10	200	M	201 - 250M								

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree-quadrongle. Each one-degree quadrongle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tobles give: A - minimum temperature, 8- maximum temperature, C- number of years, D- number of days.

.



APRIL			1-:	201	٨	Γ	21-40M				41-60M					61-80M				81-100M				01-	150	M	1	51-	200	M	201-250M				
AFKIL		A	В	С	D	A	E	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	8	С	D	
4166																																			
	1				ļ		1	_	_		L			-				_					3.9												
	2		—								3.0	3.0	1	1	20	6.8	8	22					8.1												
	3		1			+	+	-			-					6.1			21	6.5	9	21	5.0	86	2	2									
4167	4					1	+	-+-			5.2	6.0	2	d	a. 8	6.1		21	3.4	6.5	3	4	-	-											
4107_	7				-	30	2 5	1	3	.3	28	112	8	16	12	6.3	9	15			1		1												
	2		-			3.1	16	.7	7	9	2.8	62	6	9	57	5.7	1	1	-	-		<u>+</u>		1	_	1									
	3															6.8																			
	4	5.8	6.4	1	3	<u></u> .	16	2	5	7	3.9	6.7	8	10	3.2	5.1	2	4	4.1	4.8	2	3	5.2	5.4	1	2	5.9	6.6	2	2					
4168		-			-	-	-							-			1				ļ			-											
	1	<u> </u>	-			5.7	16	.3	2							5.6				-															
	2						1 11	1 2	-																	1							-	-	
	3	-	-		-	4.1			5	5	2.6	66	4	4												2						12	2	2	
4169	17					+		-			\vdash				55	3.3	1	1	5.3	5.5	1	1	7.3	36	4	6	5.7	1.04	6	0_		<u> </u>		-	
	17	-						-			4.3	54	2	2	4.6	5.4	2	2	3.7	4.9	3	3	4.4	5.1	2	2									
	2		-			3.3	34	. 8	2	2				-1						1															
	3																									1					6.1	64	1	2	
	4	4.4	4.4	1	.1_	3.4	15	0	4	5	3.3	5.6	3	3	3.8	3.8	1_	1	3.4	5.4	2	2	4.6	5.4	3	3	54	5.4	1	1					
417.0	<u> </u>	-			-			-							-			-	—	_	-									-					
		5.1																-	-		-	-													
		40													\vdash		-				+			-		+			-		-				
		4.4									5.1	77	ol_	~							-	+	+	-					-						
4171	17	7.7	0.7		11	1.7	1		-	-						1		<u> </u>			-	+		1						<u> </u>		<u> </u>			
	17	6.5	7.2	1	3	26	6	.3	9	14	3.8	5.4	7	9		1				-				t i					-				_		
		3.5																																	
4264																																			
	2					\vdash	-				<u> </u>											ļ				1	9.4	9.4	1	1					
	3	<u> </u>			-	+			_								<u> </u>		10	40			66	6.6	1	1	0.2	0 1	<u> </u>	<u> </u>					
10/5	4					+	-	-			<u> </u>				-			-	4.9	4.4		1	3.2	8.5	4	6	8.2	8.3	1	1					
4265	$\frac{1}{7}$	<u> </u>				\vdash																	4 1	7.1	4	5					96	9.6	7	1	
	2	1-			+	1-	1	1								<u>+</u>		-	44	77	2	2	22	8.3	6	6	6.0	8.9	2					8	
	3													_					1.8	42	4	6	2.8	56	3	5	3.5	3.5	1	1					
	4														2.7	4.3	3	3	1.9	5.1	5	5	2.2	5.0	3	5	5.5	5.5	1	1					
4266							-																							-					
	1						-				-					6.2																11.1			
	2								-		4.0	4.0	/	1	2.8	56	5	6					3.9									7.9			
	3 4	-				-	-	-+-											4.0	6-2	6	1	6.7	51								83		9	
4267	4						+	-															5.7	5.1	1	1	20	1. d	2	2	1.6	1.1	ok.	ad.	
4207	1										29	6.0	7	10	4.7	47	1	1	31	62	3	3	40	72	2	2	42	7.2	4	5	53	66	2	2	
	2						İ	1															5.6									7.3		2	
	3																														7.5	7.8	2	2	
	4				-		-																				6.8	6.8	1	1	7.2	7.2	1	1	
4268						-	-																											-	
	1				-	-										-						-	20	5	.2		5.1	7.7	6	6	5.5	7.8	4	5	
	2 3						-								-							-		5.6		3	4.4	1.1	2	3	61	6.7		1	
	4					1	-	-	-			-				-								5.1		1	67	67	1	1		7.2		2	
4269	Ŧ				1	1																	0.1	0.1			57	9.1		-	0.0		-	-	
	1				1	1	1	1										-									4.6	5.6	2	2	52	6.1	3	З	
	2										34	3.4	1	1	4.4	4.9	2	2	4.3	4.3	1	1		38			4.7	4.7	1	1	5.2	7.2	5	11	
	3																					-	5.0	5.0	1	1.	<u>5.3</u>		_						
	4																									-	57	6.6	1	1	7.3	7.3	1	1	
			1-2			1			OM				601			61-					100				150				200				250		

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each one degree guadrangle. Each ane-degree guadrangle is divided into 30-minute guadrangles, numbered as in the diagram to the right. The columns of these tables gives A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

4	3
2	1

A B C D A B C D	A DD H			1-:	201	٨		21 -	401	٨	4	41-	601	٩		61-	801	N		81-	100	м	1	01-	150	M	1	51-	200	M	2	01 -	250	M
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	APRIL		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	Α	В	С	D
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4270	-		-				E /		2		F 4		-1	10	6.1	2		0.0	EI			5.0	5.0	_						—			-
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		12	3.9	3.9	1	1	4.4	5.6	3	22	3.4	3.4	1	1	1	{			ł															
4364 3 <td></td> <td>3</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>28</td> <td>3.7</td> <td>2</td> <td>2</td> <td>27</td> <td>44</td> <td>4</td> <td>5</td> <td>2.7</td> <td>3.4</td> <td>2</td> <td>3</td> <td>37</td> <td>60</td> <td>4</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td>		3	 								28	3.7	2	2	27	44	4	5	2.7	3.4	2	3	37	60	4	5								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1761	4					3.3	33	1	1	28	3.4	2	3	2.9	3.4	2	2	}—			+												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4304	2																		-			39	3.9	1	1								
4365		3		-											ļ				0.0	20		-	1.8	67	2	2	3.6	5.4	1	1.				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4365	4	-																- 1	d.7	-/	1	7.7	5.7	4	de.								
3 3		1														5.8	2	2	17	6.2	2	2					-			-				
4366 0 1 3 3 1 1 77 1 1 37 4 1 3 5 3 4 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 4 1 1 37 3 1 1 1 1 1 37 3 1		2					34	3.4		1	34	58	2	2					27	54	2	2		61	2	2				-				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4366	1																						1			1							
4367 4 4367 2 2 3 2 2 3 2 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 5 5 6 7 6 7 6 7 6 7<		1									36	3.8	1	1	17	21	1	1	37	4.1	-1	1	34	65	2	2								
4367 2 58.68 1 58.68 1 1 58.68 1 1 58.68 1		4	-								40	44	/	1.	24	4.4	3	5					32	55	3	5	-							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4367	Ĺ	1																		-						-		-					
4368 1 <td></td> <td>2</td> <td>-</td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td>+</td> <td></td> <td></td> <td>+</td> <td>62</td> <td>7.8</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td>2</td>		2	-		<u> </u>					-						-		-			-		+			+	62	7.8	2	2				2
3 4 738/222 2 4369 34652 2 738/222 2 4369 3865 3865 2 2 3866 1 1 2 3865 3865 2 2 3866 1 1 1 3 5454 1 1 38434 1 3367 2 3 1	4368								-				1																		1.0			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	<u> </u>						-									-			-	-				-								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1-	\vdash											-	2.7	2.7	1	1	1—	-			3.4	6.5	2	2	13	0.1	<u></u>					-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4369		1_						1											<u> </u>														
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1/2	-				-			-			-						-	-		-	3.6	40	-	1	68	6.8	1	1				-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		3					54	54	1	1													2.3	5.1	3	4								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		-				_											-	-	34	3.4	- 1	1	3.3	51	2	3								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4370	+_			-					-	-					-		-	2.8	3.1	1	1	5.1	5.1	1	1	┼─		+	1				
4464																55	1	1				1.					<u> </u>	ļ	_	1				
1 -04 0.0 1 2 -02 0.8 2 3 0.7 0.7 1	4464	3	┼──			-					19	4.5	10	16					-				+	+	-		\vdash		+	-				+
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4404	1						 			-0.4	0.0	1	2	-0.2	0.8	2	3	0.7	0.7	1	1	05	17	1	1							_	
4466 1 33 34 1 2 28 47 2 3 32 44 2 3 44 49 2 2 45 45 1 1 4 44 45 1 1 44 45 1 1 1 44 45 1 1 1 1 44 45 1 1 1 1 1 44 45 1 1 1 1 1 1 1 1 44 45 1 1 1 1 1 1 1 1 44 45 1 1 1 1 1 1 1 44 45 1 1 1	4465	+		-		-	-	1					-	-		-							176				-				-	<u> </u>		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4466	4	3.3	3,3		1	-	ŧ	+		3.3	3.3		1	-			1	3.3	3.3		+	3.3	3.2	/						\square	+		
3 1 1 1 3 3 1 1 3 3 3 3 3 4 4 4 2 2 3 6 3 7 2 2 4 5 6 1 2 3 3 4 4 4 1		1	3.3	3.4	1	2	2.8	4.7	2	3	3.2	4.4	2	3	4.4	4.9	2	2	4.5	4.5	1	1					44	4.5	1	1				
4 1443 2 4444 2 2 149 3 5 4751 3 4 4444 1 1 4467 1		2								-	-	-			-			-	4.9	4.9	1	1	4.6	4.9	2	2	5.5	5.6	2	2	56	61	2	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								-			1.4	4.3	2	2	4.4	4.4	2	2	27	14.9	3	5	4	5.1	3	4	4.4	4.4	1	1		0.7		Ē
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4467	-					-								6.7	E		1					1	11	,			-	-					
4468 1 $23 23 1$ 1 $1/9 1/9 1$ 1 2 $23 23 1$ 1 $1/9 1/9 1$ 1 2 $23 23 1$ $1/9 1/9 1$ <		$\frac{1}{3}$	+		+	-					\vdash		+	-					\vdash	+	-		4.6	4.6	1	1	<u>†</u>							
2 2323111 182111 1 <t< td=""><td>4468</td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>_</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></t<>	4468						<u> </u>													-	_					-						-		
4564 2 3233211 1 2		1	-					1	<u> </u>					1	-			-				-			-			-	-	-		-		-
2 323211 1 4565 29341 329391 2 27391 4566 32321 1 23221 2 33337 4566 33337 1 33337 2 33337 2 33337 2 33337 2 33337 2 33337 2 33337 2 33337 2 3337 2 3337 3337 3337 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 3337 33737 33377 33737 33377 33737 33377 33737 33377 33737 33737<	4564						a.3	- 3			1.0	a./													+	-								
1 2934 1 3 2939 1 2 2 2 2729 2931 2 2931 2 4566 2222 1 2322 1 3535 1 2 2 2 2 2 2 2		2													3.2	3.2	1	1		-			-	-			-		-	-	-			-
2 27291229312 4566 222211 2 222211 2 222211	4265	1			-		-	1			29	3.4	1	3	2.9	3.9	1		1			-			-					-				
1 2.2 1 35 3.5 1 2 2 2 2 2 1 1			1										-						2.9	3.1	1	2	-	-	-				-			-		
2 2727 1 1	4566	1,	-				2.2	27	1	1				-	-	-	-		35	3.5	1	1		-	-		-	-	-	+	-		-	-
		_					a, a		1																									
1-20M 21-40M 41-60M 61-80M 81-100M 101-150M 151-200M 201-250M		1	-												-					-	1	-	+	-		-	-	-	-	-	-	L		L

KEY The faur-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give. A - minimum temperature, B- maximum temperature, C- number of years, D+ number of days.



MAY			1-2	201	۸	:	21 -	40/	٨	4	41 -	60 N	٩		61 -	BOV	A	1	81-1	00	M	1	01-	150	м	1	51-	200	M	2	01 -	250) M
MAT		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
3972																																	_
	4									-				20	10		-	0.4	0.4	,		9.7	110	2	2 5	10/	101						-
	2													3.4	4.2	1	2	20	122	4	1	25	108	5	3	106	106	1	$\frac{1}{1}$	117	11.7	1	1
										33	71	4	7	3.8	100	.5	6	46	46	7	T	82	81	1	1	11.1	/1.1	1	/	11.1	11.1	-	1
3973	T												,	0.0					1.0	- <u>-</u>													
	1													4.3	4.6	1	2		[
	2					66	81	2	2	70	7.7	2	2				<u> </u>		<u> </u>	ļ		<u> </u>							-	-			
	3				<u> </u>				3		7.2	5.	5				-					<u> </u>							+	-			+-
2074	4	-				4.1	0.8	1/	32	-							-				-						-	-	-				+
3974	1	7.3	101	.5	5	66	101	3	.5	-							1						1							t	1		
			12.1					1									1																
			8.9																							I				L			
4066					-	[<u> </u>			-						-			0 /			-		-		-
1017	4			-		1				-								5.4	7.5	3	5	0.2	0.2	/	1	0.6	10.8	2	2		-		-
4067	2					-			-	-						-			-		1	7.2	127	5	5	9.2	9.4	1	1	12.8	12.8	1	1
	3		1										-	2.9	7.3	8	12	3.0	8.5	11	18	3.9	122	6	8	100	100	7	7			, in the second	Ĺ
	4									4.8	8.4	3	5	3.3	6.8	9	20	4.5	123	10	17	72	116	6	6								
4068				_		_	-			\vdash		-		<u> </u>				-	-	-	-							-					-
	11		+	-	-			-		-		-		9.0	9.0	1	1.	6.8	6.8	1	1	6.0	128	5	4	84	11.2	4	4	9.7	10.3	2	-
	2		-	-				-	-	50	00	5		12.5	6.1	2	3	40	12.3	2	12	6.6	113	5	7	6.0	7.7	2	ah.		+		+
	3						1	1		5.5	0.1	5	.5	5.2	8.9	11	17	39	7.2	5	5	10.0	17,-	<u> </u>	-		-			-	1		1
4069	T							-	1		0.0				0.7		1	T.															
	1						1.0		E	-	-	-										5:				ļ	-		<u> </u>	//.7	/ 11.7	1	+
-	2							-	-				-									5.1	//.7	3	6	+	+	-	-				+
	3		-	-	-	7.0	7.0	1	1	4.1	8.8	10	21	4.5	8.4	10	15	46	8.6	6	6		+	-		┼──	-	-	-		+	-	+
4070	4	-	-	-	-	0.5	80	5	3	5.5	0.3	1	1	3.2	1.0	4	3		+		+		-	 _	<u> </u>	-		+	-			<u> </u>	+
4070	1	-		1	1		1				-			5.5	6.8	2	з	5.1	8.9	4	5	8.3	12.8	4	6	106	12.2	22	3				1
	2													8.4	8.4	1	1	5.0	10 0	\$ 4	5	7.2	13.9	4	6	12.1	12.1	1	1	9.4	13.3	1	3
	3	1				6.8	8.9	5	6												-	-				-		-					-
	4	-		-	-		-	-	-	45	7.8	9	17	4.9	6.2	6	9	-	+	+	+		-	-	-	+	-	-	+		+	+	+
4071		-	-	-	÷	-	-	-			-	-	-	50	15	2	5	47	111	8	12	5	6 12	.7	.3	120	121	\$ 2	.2	107	111.8	2	12
-	2	-	-	1.0	-		-				-			39	6.5	6	11	4.0	124	1 7	10	1	1		Ť	1				1	1	-	1
	3			1				1		4.4	7.3	7	10		64																		
	4		-	-	1	5.6	7.5	54	4																					-			+-
4072			-	-	-		-	-		-		-				+ -				-	-	-	-	-	+	<u> </u>	-		-			-	-
-	1	-		-	-			-		3.3	7.3	3	4	34	66	4	7	4.9	4.4	1	+1	-	-		+	+	-		+	+	-	-	
	2	-	-	-	+	2.	5.1	1 2	1 3	34	66	6	A	49	49	1	1		1	1	+		1		+	+		+	1	1-	+	+	+
	4		-	-	1				2						7.0	1	1							1		1	1			1			T
4073					1			1.0								-		-				-											
	11			-					3							-			-	-	1	-		-	-	-		-	-				+-
-			7.2			-	-		15	63	6.3	1	1	6.0	6.0	1	1	-	-	-	+	+		-	-	-		+	+		+	-	+
	3	5.1	8.0	2	2	6.1	6.6	51	1		-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	+		-	+		-	+-
4165	4	6.6	9.4	12	17	-	-	-	-	-		1	-		-			-				1		-		1			+	+-	+	+	+-
4100	4	1	1						-			-		-		-						5.5	5 7.8	12	6	6.7	9.7	12	2	5.6	5.6	1	1
4166	T												21						-									-					-
	1										-		1		-		-					3.				-	-	-	+	-	-		+-
-	2		-	-	-	-	-	+-	-	-	-	-	+									5.				-	-	-	-	+		-	+-
	E	-	-	-	-	-	-	1	-	5	0 :	2	1	-	-	-	-	-	26.6		-	6.7	0.4	2	2	-	1	-		-	-	-	t
	4	-	-	201	-	+	-	40	-	J.1		60		T.1	-	80	-	7.	81 -	-		-	-	150		1	51-			1	01	250	

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree-quadrongle. Each one-degree quadrongle is divided give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

Υ.

MAY			1-:	20 ^	٨		21 -	40/	Μ		41-	601	٨		61 -	80^	٨		81-	100/	M	1	01-	150	M	1	51-	200	MC	2	01-	250	<u>)</u> M
		А	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	C
4167										ļ		ļ		-				I				 			_				-				1
	1								1									_				_	-						-				+-
	2			—					7																			+					+-
	3	6.3	83	,	2	10.1	9.3		27	29	0.7 9 A	5	14	5.7	6.3	2	2	4 2	50	-	2		-										+-
4168	T	6.5	0.0		1	0.0	17.0	9	-	1.7	17		9	7.0	7.6		1.	7.5	50		1				<u> </u>	†	r		1	1			+
4100	17				1	6.7	10.1	4	5	5.9	9.0	7	16	6.6	8.9	3	3									1				1			
	2									5.1	7.9	4	6	3.9	83	4	8					3.9											
	3				ļ	6.6	8.2	3	3	4.9	8.8	4	4	4.9	6.8	4	4					3.9									6.5	2	-
	4					-	-							-				4.3	59	2	2	4.4	6.6	4	5	41	12 2	8	20	ļ		-	-
4169	$\left\{ \cdot \right\}$					1	111 1	2	2	20	71	5	1	10	17	2	-	31	51	5	8	3.8	11	A	5	-	-	-	+	-			+
	1	71	71	,	1	4.7	7.2	5	6	58	1.1	13	6_	4.7	6.1	5	3	54	3.6	5	0	3.0	66	4	5	-					-		┢
	3	1.1	1.1			1 7_	1.0		6					37	37	1	1	44	57	2	2	36	55	6	6	42	7.2	6	11	61	6.1	1	t
	4	5.1	5.1	1	1	38	7.1	5	5	3.3	6.2	6										2.1										-	
4170																										I							
	1					7.3	93	1	3	84	8.8	1	1		-			 				I				ļ		-		L			-
	2								18					 				<u> </u>	-		-						-				1		+
	3	6.2	7.9	2	3	3.7	6.7	2	3	4.0	40	1	1				-	–	+	+					-	<u> </u>		-	+				+
4171	4	0.1	13.1	J		4.9	4.7		+_			-	-	-			-			+	-		-				-						+
4171	1	54	113	2	.7	47	112	12	26	48	85	9	14				1		+		+	1	-		-	-		+	†				t
									9					-					1						1								T
4264																																	
	2													<u> </u>							ļ		7.8		-	<u> </u>				L			
	3				-	_	_						<u> </u>		-	<u> </u>	-					5.0											+-
1015	4					┼—	-		-									2.4	5.3	2	2	3.3	10.1	7	4	7.2	7.8	1	1		+		+-
4265			-		-	 	-									-	-	\vdash	+	-	+	A 1	10.0	5	6	+—	-	+		83	8.3		+
	2							-	-	\vdash		+			+	-		5.3	55	2	2	3.9	10.0	.3	3	59	97	4	4				
	3				1	-								-	1							1.0									-		T
	4						_							5.2	8.2	3	3					1.7											I
4266						<u> </u>			<u> </u>	L												ļ			ļ								
	1	-			-	_	-			<u> </u>			-	41	4.1	1	1_	3.6	6.9	6	11	6.8	68	1	1_	68	7.9	1	1				
	2			-	-		-	-	-	-			-									3.6				75	0.6	2	1	34	6.3	2	-
	$\frac{3}{4}$			-		+			+	-		-		37	12	3	4	136	10.0	3	4	3.0	41	4	7	67	93	5	6	77	7.7	1	t
4267	4						-					+	<u> </u>	<u> </u>			+		+		1	10.5	7.1	Ê	-	0.7	1.5		6	1.1	1.1	<u> '</u>	t
4207_	17							1		4.1	8.3	8	10	38	72	6	8	3.7	77	6	6	4.6	4.9	2	2	6.2	7.1	2	2	53	5.3	1	T
	2		-																5.6												78		2
-	3	1	1			1	1		-					ļ			ļ	ļ				<u> </u>	-								8.3		
1214	4	-	-	-		-	-	-	1	-				<u> </u> .		-			-	-		58	5.8	1	1	7.8	7.9	1	1	52	7.1	3	÷
4268		-	-	-	-	-		-	-	-		-	-		-		-	-	-	+	-	-					ne	-	-	10	7.8	1	+
	2		-		1	-		-			-	-			-		-	-				45	72	2	2						6.1		†
	23							-			-		-	-					-	1		7.5	1.2	~	-						7.8		
	4	-											1	1				1		1						4.9	7.7	3	3	5.0	6.7	3	T.
4269			1		-					111																							
	1														-					-							7.5		1		7.7		_
	2	-	-	-	-	-	-	-	1	-	-	-			-	1	-	4.#	4.4	1	1	6.			-	5.6	66	3	3	6.1	7.8	5	Ľ
	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1-	15.0	5.5	2	2		5.1		1	6.8	7.9	2	t.
4270	4		-	-		1					-		-	-	-	-	-		-	-	-	1	1	-		0 4	0 4			0.0	1.1	-	t
42/0	1	-	-		-	4	56	2	2	32	5.3	2	3	25	45	.5	5	29	3.9	3	3	3.3	44	3	3	1		1	-				t
	3								18					3.3	3.4	1	1				1	1		1.0								-	T
	3	-						1	1				1	3.6	4.1	2	2	3.1	5.4	3	4	3.5	6.1	3	6	3.9	3.9	11	1				
	4	7.2	7.2	1	1	49	49	1 1	1	26	3.8	2	2	2.8	5.2	3	3	26	26	1	11	1	1	1					1	1			

KEY The four-digit numbers in the calumn on the left give the latitude and langitude of the southeast carner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables give: A- minimum temperature, B- maximum temperature, C- number of years, D- number of days.

4	3	
2	1	

MAY			1-:	201	٨		21 -	40/	N		41-	60^	٨		61 -	80/	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	01 -	250	M
	_	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D
_4364							-	-	-	-									_														
	1						+							17	5 /	2	2					4.4			1	20	51	2	2		88	1	_1
	3									†—			-	1.1	2.6	5	5													90	9.0	1	ī
	4				1	1-	†		1	01	1.7	2	3	0.6	21	2	2	1.1	4.0	3	3	-0.3	6.6	4	5	3.0	3.0	1	1	1	1.0	-	
4365																																	
	1									0.3	0.3	1	1	23	2.3	1	1	34	4.7	2	3	56	56	1	1	3.4	3.4	1	1				
	2	3.4	3.9	2	2	3.3	5.2	3	5	0.8	5.5	6	7	34	3.4	1	1	3.3	4.8	3	3	2.1	3.7	3	4								
	3			_	-		-			0.5	1.2	2	2	1.1	1.1	1	1	-															
4366						51	59	2	2	3.8	59	5	.5	39	54	5	6	43	67	.3	4	38	53	.3	.3		_	-			-		
	2					9.7	5.1		~	0.0	0.1			0.7	5.1		0	3.6	56	4	4	4.9	7.1	6	8	6.7	77	3	3	7.7	7.7	1	1
	3	-								3.3	5.6	2	2	3.8	5.4	3	4	4.4	50	2	2												
	4										-							3.1	5.6	4	4	4.5	6.1	5	5	7.3	7.3	1	1				
4367	İ			-				-			-					<u> </u>		<u> </u>		-	-	-	-					-					-
	11			<u> </u>	-	-		-										-			-		-							6.6			
	2						-			-			-	-			-		-	-	-	7 2	72	1	1	5.1	0.2	2	2	50	6.1	3	ى خ
	3								1		_	-			<u> </u>							1.4	1.4	- ' -						4.7			
4368	T.				-	-	1	1	i							-	1	1	1							0.0				1.1	1.4		5
	2	_						_	í.													7.1	7.1	1_	1	45	5.2	1	1	5.0	5.0	1	1
	З						-																			8.1							
	4				<u> </u>		-							3.4	3.9	2	2		-	-	-	34	4.6	2	2	4.9	5.7	3	3				
4369	_			-	-	-		-	-	<u> </u>										-			1	,		Er	11	2	-				
	2				-	-		-	1	-					-		-	+	-	-					1								
	3				-	 											-	+	+		-		5.6			5.5	0.0				+		
	4			-	1	6.6	6.6	1	1	<u> </u>			-			1	1	3.3	3.3	1	1	3.5	3.5	1	1			1					
4370									1											1													
	1						[5.1	5.2	2	2	3.3	3.3	1	1_	2.8	28	2	2	2.9	5.7	2	2					 	į		
	2							1						-			-	<u> </u>				<u> </u>				-		-					
	3				-	5.9	6.0	1	1	2.2	5.1	12	20				-	-	1				-					+			+		
4464					-		<u> </u>	-					-	0.2	11	2	2	0.3	2.8	2	2										-		
4465	1	-	-		1		-					·			1.1	-	~	1		-	1		1					1			1		
	4									6.0	6.0	1	1	3.9	5.6	2	2	4.4	4.4	4 1	1												
4466							1	;		ļ												-									-		
	1	4.9	6.2	2	2	4.9	7.7	1	4						4.6	1	1																
	2		-	-				+		3.9	4.3	2	2			-									2						1		
	3							-	-				-	49	49	1	1													4.9	49	1	1
4467																	-										× 1						
	1																		3.9	1	1									6.6			1
	2																1					4.8	48	1	1	5.0	5.3	2	2	5.2	6.7	3	3
	3	-			-	4.4	4.4	41	1	-				56	5.6	2	2	-				1						-					
4468	1					1	1	1	1	-							-		-			-						1		-			
	2							1									-	41	4.1	1	1	-								-			-
4565	a				1	17.7	7.7	1	1			-						1-1-1	7.1	1													
	1									6.2	6.4	1							3.8														
	2									5.4	5.4	1							49										-				
4566						-										-		-															
	1							L		-			-	3.9	3.9	11	<i>.l</i>		4.4														
	2				-	3.7	3.7	1	1				-	-				3.0	3.0		1	-	-						+				
						1							-	-	-			1	-	-								-	-				
									1								1																
		-		20 N	-			40		1	41-				61-			1	81 -			1	_	150				200			01 -	2.5.0	

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast carner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A+ minimum temperature, B+ maximum temperature, C+ number of years, D+ number of days



JUNE			1-	201	٨		-	- 40		+	41-		-		61 -		-	÷	81-	7	M	1	01-	150	M	1	51-	200	M	2	01 -	250	M
JONE		A	В	С	D	A	В	С	D	A	В	С	D	A	8	С	D	A	8	С	D	A	В	С	D	A	B	С	D	A	8	С	D
3969		┨				+	+		-		<u> </u>			_				ł		-						0,	11.4	-	-				
3971	4					+		+	+	+	-			<u> </u>							-				-	7./	11.4		1	-			
	4			1																		10.7	10.7	1	1	1		1					
3972								_	-		ļ		-	Ļ		-																	
-	1/2	-			-	-						+ -	-	5 5	71	2	2	10	7.6	2	2		11.3		1	124	124	1					-
	3	-			-	1		+	-	1	-			46	7.1	3	4	5.3	7.2	.3	3	7.9	11.5	3	4	109	10.9	$\frac{1}{1}$	1				
	4	1				1	-			3.5	56	6	12	42	6.0	4	7	6.8	68	1	Ĩ	9.5	9.5	1	1		1						
3973	-		ļ			<u> </u>					-			-									-	<u> </u>	<u> </u>								
	12					1/0	7	2 2	3	57	7.1	2	2	5.0	6.0	2	2	4.1	4.1	1	-/				-		<u> </u>		-		-		-
	3	-	-			6.7	1.6	/	5	50	61	3	4	6.1	7.5	2	2							-					-	<u> </u>			
	4	1				6.3	12.	2 10	30											-		1											
3974						-								ļ																<u> </u>			
	1	8.8	17.8	3	4	8.8	3 10.	12	3					_									-	-		· -		-	-	-			
	8	9.8	18.1	3	3	90	91	01	1	\vdash			+	+							-		-			1			-	+			
4066	Ť	10.0	10.0		, ·	1.0			1	1										1	1	1-	-	1-			1			1-			
	4								1.							<u> </u>		6.5	66	1	1	6.7	128	4	5	11.7	12.8	2	2	<u> </u>	ļ		
4067		-			-	+			1		-		-							ļ	-	100	2110				-	-	-	<u> </u>	-		
	23	\vdash			-	┢	-			-			-	56	66	2	2	56	12.8	6	9	6.8	6.8	3	4	9.4	11.2	2	2	\vdash	-		-
	4					1-	1		+	6.9	8.9	3	4	5.9	8.2	6	10	5.8	12.1	5	6	10.2	11.2	2	2				-				
4068																			}							1							
	14	<u> </u>				┢			-	-				17.	7.	<u> </u> ,	<u> </u>													9.1	9.1	1	1
	2				-	+	-	+	+	170	116	8	9	1.6	94	7	1	6.4	9.1	5	5	10.7	14-	+	1	17.7	11.4	-	4	-			
	4					+		1	+	6.1	10.5	5	5	5.9	10.1	11	19	6.8	7.7	2	2	10.0	10.0	1	1	1	1			\vdash			
40.69	Ĺ													[
	14				-	-	-				-																			94	9.4	1	1
	$\frac{2}{3}$					+		-	-	10	10.6	10	17						10.3 8.8				13.8	7	9	19.5	7.5	-1-	1			1	
	4	-				86	94	12	4									1.0	0.0	4	4	1—	+	-			-	-	+	<u> </u>			-
4070	Ĺ						1							1	(ľ.,												
	1/	ļ							-		_			63	97	4	5	5.9	8.8	5	8	6.6	129	6	7	91	128	4	6	9.4	10.4	2	2
	2	<u> </u>			-	0.	10	2 4	6		122	0						60	105	5	7	5.9	12.3	7	12	10.1	10.6	2	2	77	89	/	2
	$\frac{3}{4}$		+			0 0	[]d.	14	6		10.0							-			-	+		+					-	\vdash	-	-	-
4071	12		1		t	\vdash	1	1	1	4.1	10.0	10	10		00						1	1	1							1			
	1		[+	1			1		1	5.7	6.1	2	2	4.1	10 4	9	14	64	122	6	11	9.3	123	5	6	93	9.3	1	/
	2				-	+	1	-	1		0.4	1.0							9.8	3	4	62	62	1	1		-	-	-				
	$\frac{3}{4}$	-	+—			67	77	2 2	3	4.4	9.4	10	14	4.3	7.4	5	13			-	-	\vdash	+				-		-	1-			-
4072	7	1	1			1	1	10	10	1.0	1.0			0.1	0.1		1				-		-										
	1		-				1				5.7										-												
	2	-			-		1	0 0	-	4.1	6.1	4	6	3.9	4.8	2	2	-	-	-		-		-		-			-				
	3	-	-	-	-				2					2.1	5.1	1	1		-	-		1				-				-	-		-
4073	7					1.0.	0.0	1	1	1.0	5.0	et.	T	1			1		1	-	-	1											
	1								3								1																
-	2	-		-	-				6	5.3	5.3	1	1	-	-	-			-	-	-						-						
4145		11.2	11.2	1	1	9.6	9.6	6 1	1	-	-	-	1-	-	-		-	-	-	-	-	-	-	-				-	-				-
4165	4					1		t	-			1	1		-	-		-			1	5.1	83	2	3	62	9.4	2	3	-			
	1				1																									[
									-	-			1	-		-	1		1							-							
		-	1-1	20 M	۸		21.	40	Μ		41-	60	M		61-	80/	Ν		81 -	100	Μ	1	01-	150	M	1	51-	200	MC	2	01 -	250	M

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree-quadrongle. Each one-degree quadrongle is divided into 30-minute quadrongles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

-



JUNE			1-:	201	٨		21 -	40/	M		41-	601	٨		61 -	80/	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	201 -	250	л
		A	В	С	D	A	В	C	D	A	В	С	D	A	В	С	D	A	B	C	D	A	В	С	D	A	В	С	D	A	В	С	D
4166	_	I					-		-	-	<u> </u>				Ļ				ļ			ļ						ļ	-				
	1	-				+				-	-		-		5.8								94	4	4	ΠJ	11.1	1	1	ļ	+	<u> </u>	-
	2	-	-		-	+			-				<u> </u>	4.1	92	7	11	5.7	75	5	7	-	-	-		l		-					-
	3					+			-	+				10	94	3	4	61	11	5	6	6.1	72	2	2	ł—			-		<u>+</u>		+
4167	4				<u> </u>		+	-	-					170	74	0	14	61	03	3	4					 		-	(+			-
4107	1				1-	+	-	+	+	83	116	8	11	5	90	1	8	+	-	+		 	+	+	<u> </u>	 —	<u> </u>	+	-	+			+
	2					99	104	5	6	71	107	6	9	5.1	1.0	6	0	-	-	+		-	-	+				<u>+</u>	+	1-			+
	3				<u> </u>	+	100		1		107			75	98	.7	.3	1-	t	1		1	1	1	1		1		1	t		<u> </u>	+
	4	94	9.9	1	3	9.2	11.9	15	6									1	<u> </u>	1	1	5.6	5.6	1	1		1	1	1 -	1	1	1	\top
4168									1																						1		1
	1					78	1/7	3	3	84	172	9	12							1						<u> </u>							
	2					1	ļ	Ļ	1	92	99	4	4	51	101	10	11	4.0	8.4	6	6	3.8	5.5	4	7	3.8	4.0	1	2				L
	3	-			ļ	8.0	12:	4	4	6.6	116	6	8	4.2	8.8	7	7								3					64	6.4	1	
	4						-	-		<u> </u>	-			_		-		3.1	3.1	1	1	3.2	6.2	4	6	3.8	6.1	3	4	 			1
4169	-					.			0	101	1		-		-				100			1	+	-		1		<u> </u>	+		-		-
	1										6.1	3	3	2.5	82	3	4	28	8.9	5	6	39	66	4	6	4.4	5.0	1	1	╂			+
	~					13.8	9.9	6	7_	┼──							+	EI	5 1	+ ,	-	21	50		3	10	1 1			E.		<u> </u>	+
	A	11.1	111	1	1	107	12:	2 2	3	29	57	3	3	29	1.8	2	2	3.7	5 3	4	5	23	160	2 2	3	4 2	5.5	2	2	56	3.6	- /	- 1
4170	7	11.1	11.1	1		04	144	5	<u> </u>	۲ŕ	5.7		5	57	7.0		-	U.a	0.0	-		13.5	0.0	15	3	7.4	5.5	~	~				+
41/.	7	161	183	2	2	94	133	32	3	t –			-	1-		1	+		1	1		<u>†</u>		+				+	+		+		+
	2	10.1	169	3	3	7.8	17.8	3 11	16	4.9	93	13	18	1	1						-	1					1		1				1
	3	129	16.1	1	1	8.1	12.9	2	2					1											1								
	4	13.3	183	3	5	94	106	1	1																								
4171								1																									
	1	107	12.7	2	5	66	136	13	24	5.8	132	11	18		1		ļ		<u> </u>	<u> </u>	-	ļ						Ļ		L	-		1
	2	11.1	15.3	3	5	83	15.0	08	18	3.4	15.0	11	18		<u> </u>		-	-			-		-		1								-
4264	_						÷	-	-	-		ļ	-				+			+		-	-					-		-	-		-
	2						+	+					<u> </u>			-	<u> </u>	-		+	+		39					+ .	+ .				+
	34		-	-	-	+		1					-			-	+	23	2.3		1									10.8	108	1	1
4265	4		-	-	-	-	1	+		-	-		-		-	<u> </u>	+	┼──	+	+	+	4.5	4.5		1	1 4	1.0	+	3	-	+		-
4205	1			-	1			1	-	+			-				+					2.3	11.7	1 2	3				+				
	2			1			_	1			-		-			1	1	39	5.6	1	2				6	73	73	1	11	66	7.3	1	1
	3															1	1								5								
	4													61	62	1	1	4.2	62	3	6	29	5.7	4	5	4.6	46	1	1				
4266				_				1										L.										<u> </u>				L	
	1				-	-	-	1	1	-	-					-		5.2	61	3	4	6.1	61	1			<u> </u>		1	6.1	7.7	3	5
	2		-	_	-		1	-	-	-									7.2	4	5		7.7		2					[
	3			-	-	-	-	-	-	62	6.3	1	2	4.3	6.2	3	3	-	-	-			6.7						+		7.7		2
	4	-	-	-	-	-	-	-	-	-	-	-	-					-				67	6.7	/	1	77	8.2	2	2	7.7	77	1	1
4267	4	-	-	-		-	-	-	-	40	11.2	E	7	31	Inc	1	E	-	-	-	-	6.0	5.1	2	2					-			-
	2	-	-	-		1	1	-	1		8.9			5.4	0.5	T	5					5.0	5.1	A		1.0	6.8	1	1	1 4 8	7.5	1	A
	23				1			-		0.1	0.1	1	1			-	-		-	-	-	-	-			0.0	00	1	-	57	7.3	7	2
	4							1				1		1	-	-		-		1	\square			1				Ì	1		72		
4268	1																					1											
	1							1																		4.2	72	2	2	66	7.7	2	2
	2										_	1																4			5.8		1
	3			-	-				-		-	-		-					_												6.8		2
-	4		-					-	-		-	-	-	-	-											50	5.3	2	2	4.5	66	3	ف
4269		-	-	-	-		-	1	-		-	-		-	-	-		-	-				-			-							
	1		-	-	-	-	-	-	-	-		-	-	1	10	1		-				1.	50	2	-	6.8	68	1	1		6.6		1
-	2		-	-	-		-	1.	-	-	-	-	-	4.5	4.5	1	1		-	-		4.4	5.9	3	3	20	56	3	2		6.3		2
	34		-	-			-	-	1				-	-			-		-		-		-	-			5.5				6.8		1
																																1	11

KEY The four-digit numbers in the calumn on the left give the latitude and langitude of the southeast carner of each one degree-guadrongle. Each one-degree guadrongle is divided into 30-minute guadrongles, numbered as in the diagram to the right. The columns of these tobles give: A-minimum temperature, B-maximum temperature, C-number of years, D-number of days.



DE	ртн	1 7/	DNE
νc	r 1 0	I 2.	

JUNE				201		_	21 -					601			61 -	-			81-			<u> </u>	01 -			<u> </u>			M		201 -		M
		A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	C
4270	<u> </u>		<u> </u>			-				-	4.2	-		-	120	_	-	-		-	-	10		0	-				-		ļ		
	1/			-		3.1	6.0	4	8	3,3			3	3.3	3.8	3	3	5.2	4.1	2	2	4.9	3.6	2	2			-	+				-
	3					29	6.7	0	16	28	30	2	2	31	3.0	1	2	34	34	1	1	29	39	1	1	50	50	1	1				-
	4	1			1																	27				0.0	00	<u> </u>	1				t
4364	ť			-	1	0.0	1	-		0.0				0.0	Q.1							['											t
	1																	19	50	2	3	3.4	4.8	2	2	83	8.3	1	1				
	2	ļ						-		-		ļ		4.1	41	1	1	1.6	4.2	2	2	2.8	6.2	3	3								Ì_
	3	I	-			-	_	_				-			-			29	29	1	1		[1
	4	<u> </u>				-	-	-		26	26	1	1	3.2	32	1	./.				-	ł				-		<u> </u>					╞
4365	17		-	-	-	-	-	-			—				-							20	3.9	,	1				-		-		+-
	2			-			1			70	72	1	-	57	57	1	1	50	57	3	2	51											t
4366	1					1				1.0	(· 7.	1			5.7			1	51	- <u>-</u> -	2	1.1		-									t
	17									7.2	10.1	2	2		1		1	5.6	5.6	1	1	1			1		_	<u> </u>			-		1
	2																	56	60	2	2	5.6	5.6	1	1	63	7.2	2	2				
	3		-	_			-							61	7.1	2	2	1			_	56	5.6	1	1								
	4	-	-			-	-	-	-	-				-				5.9	70	2	2	52	6.0	2	3	64	67	1	2				-
4367	1	-	-	-	-	-	-	-	-		_	-			1		-									50	7 0	1	2		7 3	2	-
	12	-		-	-	-		-				-					-						-	<u> </u>	-						7.3 7.7		
	23	-	-			-	1		-		-						†—	1-			-										6.3		
	4			-		1						-		1			1					1-	<u> </u>								7.1		
4368							-																						1		-		
	1			-				-				1		-		-								-		4.4	6.6	1	3	5.1	62	1	
	2	-		-	-	-		-	-	-	_			-		ļ	-					3.9	6.7	2	2	5.3	64	1	2	5.1	51	1	
	3		-	-	-	-	-		-	-	-		-	-		-	-	1.0	4 -			5.0	5.6	2	2	6.4	6.8	2	3	4.9	67	2	
4369	4			-		-	-	-			-		-	-	-		-	9.5	4.5	1	1	3.4	4.5	1	3	49	5.0	1	_/_			-	
4307	1					-	-		-				-	-			-	-	-	-				-		4.0	57	2	2				t
	2		-				-			-	-					-			1			34	44	2	3						-		1
	3					7.7	7.7	1	1					3.8	3.8	1	1		- ·			3.8	3.9	1	1	4.6	4.6	1	T				
	4		-									-		-		_	1								1							-	1
4370							-								-	-	1				-					-		-		1	-	-	L
	1	1	-		-	-	-			48	4.8	1	1			-							3.3	1	1	2.8	4.5	2	3	-	-	_	
-	2		-	-			5.8			2		0			-	-	-	33	33	1	1	-		-	-			-		-	-	-	-
	3		-	-		63	6.3	1	1	3.6	67	9	18		-	-	-	-	-	-	-	-		-			-	-	-	-	-	-	ł
4464	T		-	-		-	-		1			-			1	-		1.8	18	1	1	10		-	-			-		-	-	-	r
4465	1						Ē		4							-		1.0	10	1	1												1
	4																	5.5	6.0	1	1												
4466																																	
	1					-								5.5	5.5	1	1	7.2	7.2	1	1	-				3.8					1.1		
	2	-	-	_	-	-	1	-		6.6	6.6	1	1		-		-	6.0	7.1	2	2	5.6	7.1	4	4	6.2	62	1	1	62	6.2	1	ŀ
-	3	-	-	-	-	-	-	-	1			-			11			44	4.4	1	1	5.7	3.7	1	1	3.7	64	2	2	-	-	-	ŀ
4467			-	-	-	-	-	-	-		-		-	7.7	4.4	-1-	1	100			-	66	0.0	1	1	55	6.4	~	à	-			t
4407	1			-		-	1	-	-		-		1				-	-			15	56	62	2	2	66	66	1	1				ľ
	2																													60	72	2	
4468								_	1																				-	_	1		
	1				1	7.4	7.4	1	1			-						5.7	5.7	1	1	-		-		61	61	1	1	-			
10000	2		-							40	4.0	1	1		-	-	-	-	-	-		-	-	-		-			-		-		-
4565		-	-			-	-	-						6 .	5		-	-	-	-	-	-	-	-		-			-		-	-	-
-	12		-		-	-	-	-				-	-	2.6	5.6	1	1	10	49	1	1	-	-	-	-				-	-	-	-	-
4566	2	-		-		1	-	-	1		-		-					77	77	1	1		1		-					1		-	-
4566	1					1	-														1	44	4.4	1	1								1
	-		1 .	20 N		1	21-	101			43	601			61-			-		100		-	-	150			51 -		-			250	

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each one degree-guadrangle. Each one-degree guadrangle is divided into 30-minute guadrangles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, 8- maximum temperature, C-number of years, D-number of days.



JULY			1-:	20 M	۸		21-	40/	N		41-		۸		61 -		_		81-				01-	150	M	1	51-	200	M	2	01-	250) M
5021	_	A	В	С	D	A	8	С	D	A	В	С	D	A	8	С	D	A	В	С	D	A	В	С	D	A	8	С	D	Α	В	С	D
3971							ļ												ļ														
	4									-				<u> </u>						-	<u> </u>	10.5	105	1	1	-			-	8.9	8.9	1	1
3972							-							–						<u> </u>		170	7.8			90			-				-
	1/2				-									50	71	2	2	71	81	2	2				4	81	84	1	2				-
	3				\vdash	1-						-													7					98	98	1	┝
	4									40	51	2	.3	45	11.9	4	8	46	64	2	3	10.0	11.04	-		1.0	1.0	†	†	1.0	7.0		Ľ
3973								1										[
	1					7.2	93	1	4	61	9.4	4	6	5.0	9.0	4	5	8.8	8.8	1	1												
	2					8.6	89	2	5	52	84	3	4	-				-				ļ		[
	3								5					6.1	61	1	1_	<u> </u>			ļ							-					-
	4					6.9	11.5	11	36	87	8.7	1	1		-	-	-	-	-				-				<u> </u>	-	-				-
3974	-	7.9	210	2	1	70	0.7	2							-	-	-		-	-			+			<u> </u>			+				-
		1.7					73	2	3						-							<u> </u>	+				-	\vdash					-
		6.7					11.8	1	1					1-	-			1	+		+	f	+			1—	+						
4066	Ť					1			, ·									-			1	1				1	1		1	1			1
	4					1								67	7.1	2	2	12.9	129	1	1	89	118	2	2					80	91	2	
4067								ļ		ļ						-								-		-							
	2	ļ				<u> </u>		-								-	-			ļ			7.3			-	-	-	-				<u> </u>
	3	-			<u> </u>	_			-														124	1	1	11.8	11.8	1	L				-
1010	4				-		+		1	170	143	2	5	61	10.4	3	4	3.7	100	4	5		+	-	-	1	1			<u> </u>			+-
4068	+				-	 —	+	-							-		+	-	<u>-</u>	+	+	in .	121	2	2			-	+				
	5	1						<u> </u>	+	\vdash				99	99	1	1	67	67	1	1	12.8	1.32	1	d				-		1		\vdash
	3	1			1	\mathbf{t}			-	8.9	14.5	.3	4	69	116	3	4	57	7.3	2	2	1	10	-						-		-	t
	4					151	15.1	1	1	14.9	14.9	1	1	77	11.2	5	5	11.1	111	1	1				1								
4069																																	
	1							ļ					Ĺ									11.7			1				-	_		_	
	2	<u> </u>			-	<u> </u>		-				<u> </u>		86	101	3	4	9.4	12:	22	4	11.1	1/1	1	1				-	-			
	3				-		1	-											11.2	3	3		-		-		-	-	-		-	-	-
1070	4	159	159	1	1	128	136	2	2	8.0	112	3	3	83	97	2	2	-		-	-	-	-	-		-	-	-	-		-	-	-
4070	+	-	_		-	+		-			-			7	100	1	1	1	12:	1	6	79	122	1	5	102	103	1	,	17	77	1	
	12	<u> </u>			+	\vdash			+																9								
	3	14.4	144	1	1	100	15.7	3	3	8.2	10.4	4	6	6.1	7.8	5	6	1			-		-									-	
	4							1			9.2								-					5	1	-							1
4071																-	1			-	1.0					1.0	_						
	1	<u> </u>												4.9	8.7	4	4	5.2	11.8	9	12	96	130	5	5	11.6	116	1	1	94	9.4	1	1
	2	<u> </u>			-		-		1	4.9	4.9	1	1	5.0	5.0	1	1	59	94	3	3		-	-	-	-	-	-	-	-	-	-	-
	3	 			-	-	-	-			8.4							-	-	-			-		-		-		-		-	-	-
4070	4			+		18.4	10.3	3	4	4.4	19	5	7	4.1	1.3	4	4	-	-	-	-	-		-	-	-	-		-		-	-	-
4072	1	-			-	+		-		47	55	.7	2	49	54	2	2	1	-	-	1	1	-	-	-	-	1	1	-	-	-	-	-
	2					1		1			7.0			10	5.4	*	~				1	-											
	3				1	89	9.9	1	1						-						1												
	4	190	190	1													1										1.5						
4073		-					È	1		-	-	-	-							-			1			-	-				1		
	1		_	1					7							-	1	6.0	62	1	1					-		-	1				
		4.9								5.8	7.8	1	4	6.8	6.8	1	1	-	-	-		-	-	-	-	-	-	-	-		-	-	-
	1	16.3				17.9	10	- 1	1	-	-	-	-	-	-	-	-			-	+	-	-	-	-	-	-	-	1-	-	-	-	-
1115	4	164	16.7	1	1	-	-	-	-		-	-	-		-	-	-	-		-	-	-	-	-	-	-	-		-	-			-
4165	4					+	-	-		-			-	-	1	-	-	-	-	-	-	59	9.2	5	5	5.2	5 2	1	1	69	69	1	
	T	1	-		-	1												1			1	1	1.4	-	5	×.8	04	1	1	0.1	01		ľ
	1					1	1								-						1				1						-	-	
			1-0	20 N	A		21-	40/	A		41-	601	A		61-	80/	N		81 -	100	M	1	01-	150	M	1	51 -	200	M	20	01 -	250	N

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree quadrangle. Each one-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A-minimum temperature, B-maximum temperature, C-number of years, D-number of days.

4	3	
2	1	

4

JULY			1-2	201	۱		21 -	401	A		41-	601	٨	(51 -	801	۸	8	31-1	00/	M	1	01 -	150	Μ	1	51-	200			01 -		
1011		A	8	С	D	A	8	С	D	Α	В	С	D	Α	8	С	D	A	8	С	D	A	8	С	D	A	8	С	D	Α	8	С	D
4166	_					L																											
	1					—					0.0		2	5 /	0.0	2	_		86 6.3				87	_/	1	88	88	1		63	65	1	/
	23						-			66	07	~	-	32	89	4	0	.3.8	8.2	7	13	4.1	7.1	4	4								
	4				_					f				6.2	126	5	12	6.9	7.9	2	2			,								-	
4167																																	
	1					131	13.1	1_	1	8.3	142	5	10	84	127	3	3																_
	2								7								1				-		-						-				-
	3					139	168	2	2	83	12.1 14 A	4	2	7.9 7 A	12 A R I	2	2	56	56	1	1	.72	32	1	1								-
4168	T					111	11 04	0	-7	0.5	140		0	1.7	0.1	-		0.0	0.0		· ·												
41.0.0	1			_		16.8	16.8	1	1	10.7	159	4	7	8.2	15.0	2	2																
	2									106	154	4	4	6.9	11.1	2	3	32	107	4	5	29	6.7	3	4				-				-
	3					11.2	173	4	5	7.9	160	5	7	6.3	123	3	5	6.1	7.2	2	2	3.1	4.0	1	1	49	66	4	5	5.1	66	4	4
41 (0	4					├	-			-			-								-	32	3.1	2	4	39	62	4	3	-			-
4169	17					68	68	. 1	1	48	67	1	2	32	104	2	.3	54	5.5	1	1	3.0	3.3	2	2	3.4	3.4	1	1				
	2	-				4.4	11.6	4	4_	9.0	11.7	2	2	61	61	1	1	1															
	3							i i		I I					ł			3.8	38	1	1	28	28	1	1	3.3	62	2	6	5.7	5.7	1	-
	4	ļ				5.6	11.1	3	3	3.8	6.9	5	5	3.8	5.4	2	2	3.3	4.4	2	2	3.0	18	3	3	3.8	6.1	4	4	5.1	5.7	2	ŀ
4170	+-									-	<u> </u>							-	-										-		1		-
	1/2	15 1	201	2	1		145			1 . 2	101	8	10	 			+			1	+	+		<u> </u>		-		1—		\vdash	-		1
	3	13 6	15.6	2	2	51	20.0	6	10	161	161	1	1			i		-	1	1	-	1	1		-					1			
			217																														
4171							10													-		<u> </u>	-			<u> </u>							+
-	1	13.	189	5	5	8.4	17.8	3 11	19	7.1	16.1	5	7	-		-	-		-				-				-		-	-	-		-
1711	2	14.9	14.9	1	1	9.0	181	6	9_	8.7	140	4	5				-	-			-		1		+				+	+			1-
4264	3	-	-	-	-		1	-		-		-	-						-		-	21	3.9	1	1	\vdash			1	1			1
	4								1								-	3.2	3.2	1	1	2.8					_				1		
4265										-	_																<u> </u>			ļ		L	
	1			_		-		-		1	-			ļ					-		-	3.1	6.6	2	2	86	86	1	1	9.1	91	1	+
	2	-		-		-	1	-	-	-	-							6.0	112	2	2	67	88	3	3	5.0	7.1	2	2	4.5	6.7	2	+
-	34		-	-	-	-	-				-			54	5.4	1	1	34	89	4	4	56	95	4	6	5.1	7.5	1	-	\vdash	+		+
4266	4		-	1									1	5.7	5.7	-	1	10.0	101		1	1	10.5		0	t			1	1		1	T
4400	1												-	29	3.1	1	1	13	77	4	5	72	72	1	11	5.2	59	2	2	5.8	8.9	3	4
	2							-	15.0					36	9.9	4	7	30	7.8	5	8			1	1.00	61	7.2	2	2	1			+
	3		-		-	-	_	1	-	72	72	1	1	4.9	66	4	4		-		-	60	93	2	2	5.6	8.8	5	5	83	8.3	1	+
1017	4	-	-	-	-	-	-	-	-	-	-	-	-			-	-				-	7.1	77	1	1	62	8.9	2	4				+
4267	1			-	-	104	in	51	1	61	12:	6	7	21	100	3	A	30	56	7	2		1	-		50	64	1	1	+	1	1	t
	2					10.5	10.5					1					1	56	5.6	1	1	3.9	5.6	3	3				4	60	7.3	2	
	3																			1	10	-			_	1	-	1		6.4	83	3	
	4	-	-					-				-					-	-	-	1	-	-		-		83	83	1	1	7.1	7.1	1	
4268	+	-	-	-		-	1	-		10		-	-	-		-	-	-	-		÷	-	+	-	-	1 1		. 1	6	1	6.7	1.	
	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-		-		1	1		1	-						6.3		
	23	-						1		t			1				1		1	1	15	5.0	76	2	2	59	6.6	2	3	0.0	0.0		T
	4						-						1						1		1		77		-						62	1	
4269								-								1								1-						-	-		1
	1							-		-		-	-		-	-	-	-	-	+	+ .	1	1								6.7		
_	2	-	-	-	-	5.3	353	3 1	1	-		-	-	1	1	- 1	1	38	4.4	2	2	4.4	44	1	1						7.1		
	34		-	-	-	-	1	-		-	1	-	-	6.1	6.5		1	1	-		-	1						1			5.9		
	1					1	1			1			1	1					1				1										I
	-	1	٨	1	21-	10			41	60		1	61-	00		1		100		1		150	244	1.	51	20		0	01	250	14		

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

4	3	
2	1	

				1-3	20 /	4		21 -	40/	A		41-	601	4		61 -	801	A		81-	100/	M	1	01-	150	M	1	51-	200) M	2	01 - 1	2.50	M
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	JULY		A			-	+	1	_			_					_		<u> </u>	-		· · · · ·	÷				h		С		A	B	С	D
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4270	Г <u>-</u>	-	-	-			-	-	-	-	-	-	-		-	_	-		-	-	-	1	-	-	-			-			-	-	_
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4279	1					3.9	6.8	6	8	2.8	6.9	5	5	2.9	60	6	7	3.4	3.8	2	2	5.3	5.6	2	2							_	
4 $+ \neq (c, 2, 2, 2, 3) \le 7, 3, 8, 0, c, (S, 3, 4, 8, 0, 3, 7, 7, 7, 2, 3, 8, 3, 8, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,$					_		4.6	7.4	8	15																				ļ				
A364										-	46	5.4	2	2	2.6	5.1	4	4	3.9	3.9	_/_	1	2.9	5.7	5	6	45	5.1	2	2				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4264	4					4.4	Gd	à	2	3.3	3.7	3	8	0.6	3.3	4	8	3.6	3.1	/	2	3.0	3.0	1	- [1		_		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4304	1					1-												15	23	2	2	1	-			57	57	1	1				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2													3.3	33	1	1																
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3																									43	4.3	1	1	58	6.8	2	2
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		4					-								L	ļ			22	3.4	2	2	42	4.7	2	2				-				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4365	-					-	-			20	20	-	1	┨—				лл	11	2	2	-				20	30	-					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1	87	87	1	1	56	77	2	2	00	3.0		1	-											-	d.1	0.0	1	1				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3	0.7	0.1	-	1	5.0	1.1	<u> </u>	<i>e</i> 4	27	27	1	1					1	10		Ĕ-	1	1						-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4366																																	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		11					9.3	9.3	1	1	8.4	84	1	1	73	7.3	1	1	5.8	10.7	3	3	6.6	105	2	2			-					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2		-				-			-				1	d C	-						7.3	7.9	2	2	6.0	7.3	2	2				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		-					-				-				6.5	1.9	3	3					69	77	1	1	54	67	2	2				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1367	4					+	-	-	-	-		-			-			1.1	0.7	-	5	9.7	1.6	1	-	5.7	0.1	-	-				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4.207	17					1			1	-		-		1	1				1	1		1						-	1	7.7	82	1	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2																			i													
4368 / <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td></td> <td></td> <td>-</td> <td><u> </u></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td>		3					ļ	-							ļ			-	<u> </u>		-	-	-	-										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		4							-							-				-	-	-	<u> </u>				62	6.2	1	1	5.7	6.7	2	2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4368	+-				<u> </u>							-	-					-	-		+					53	58	2	2	50	50	1	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		4				-	╞──	-	+		-			-	-	+ -			\vdash	-	-	+	44	44	1						50	50	/	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		3	-			-	\vdash		1				1				-		<u> </u>		<u> </u>		ť	3.7							5.9	5.9	1	1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		-													62	6.2	1	1	7.2	7.2	1	1	5.5	6.6	2	4_								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4369														_			ļ	<u> </u>		ļ						 		Ì					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1		-				-	-		-		-	<u> </u>	 	-		-	_							-					60	60		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2	10.4				0.0	0.0	-									-			+	-					4.7	3.6	2	12	3.7	5.9	1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											<u> </u>	-					-		3.8	3.8	1	1					45	45	1	1				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4370	7	10.0			-		a.r.u		~	+			1		1	1	1-	10.0	0.0	+ '	· /	0.0	0.1		-	1.0	1.5	<u> </u>	1				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		17				1								İ	51	53	2	2	32	53	2	2	3.8	5.2	4	4								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		3					10.1	H.I	2	2	3.8	97	12	19		ĺ					-	ļ				 	ļ	ļ		<u> </u>				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4464	-			-	-	_				ļ	<u> </u>							-		<u> </u>	+	-	0.7										
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4445	μ_				-					-			-		-		-	3.8	3.0	1	-1-	2.2	2-1	1			-		-				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4405	A	-				1	-	-	1					94	9.4	1	1	83	86	1	1		-						-				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4466	1					1										1																	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1																	78	7.8	1	1												
4 89898911 1749312 273781 37171 4467 636311 636311 636311 51511 51511 51511 2 636311 63611 63611 63611 63611 6361111 636111 636111		2																																
4467 6363111 6363111 5.1		3				-	-	-			-	-			100	0.0			7.9	8.4	1	2	6.7	6.7	1	1	6.6	66	1	1				
1 6.36.3 1 1 5.1 1 1 5.1	4447	4	-			-	+				-	-	-		0.9	8.9	1	1	1.4	7.3	1	-	1.3	1.0		3	1.1	1.1						
2 6.9 6.0 1 1 3 6.9 6.9 1 1 69 8.4 2 2 4468 6.9 6.9 1 1 69 8.4 2 2 1 8.7 8.7 1 1 9.8 9.8 1 1 7.0 7.0 1 1 2 90 121 1 1 71 11.0 1 2 7.1 8 6 2 4 72 7.2 1 1 4565 1 16/1.7 1 1 101 12	440/	1		-			1	1			6.3	6.3	1	1	-	1		-				-	5.1	5.1	1	1	5.1	5.1	1	1				
3 6.9 6.9 6.9 6.9 6.9 2.2 4468 7 7.0 7.0 1 1 6.9		2	-		-						1.0			(Ľ											
1 8.7 1 1 9.8 9.8 1 1 7.0 1 1 1 59 7.4 2 2 2 90 12.1 1 1 1 1 2 7.1 8.6 2 4 7.2 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>6.9</td> <td>6.9</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td>2</td> <td></td>											1				6.9	6.9	1	1				2												
2 90 121 1 1 71 11.0 1 2 7.1 8 6 2 4 7.2 7.2 1 1 4565 1	4468	-									-	-									-			-		-								
4565						11								1		7.0				-	-	-	59	7.4	2	2	-			-				
///////////////////////////////////////	AFIE	2	40	121	1	1	71	11.0	1	2	7.1	06	2	4	1.2	17.2	1	1				-	-	-	-				1-					
2 3 114114 1 1 8889 2 2 77777 1 1	4205	1			-	-	-	-			116	117	1	1	10	11.4	3	3		-		1	1-		-		1							
3 114114 1 1 8889 2 2 77777 1 1		2					1	-						1					9.3	9.4	1	2												
		3			114114 1 1																	1												
1-20M 21-40M 41-60M 61-80M 81-100M 101-150M 151-2				1-0	20 M	٩						41-	60/	N		61-	80/			81 -	100	M	1	01-	150	M	1	51-	200	MC	20	01 - 10	250	M

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each one degree-quadrangle. Each one-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tobles give. A - minimum temperature, 8- maximum temperature, C-number of years, D-number of days.



AUGUS	т		1-1	20 M	٨		21 -	40/	M		41-	601	٨		61 -	801	٨		B1 - 1	100	M	1	01-	150	м	1	51-	200	M	2	01-	250	M
A0003		A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	Α	В	С	D
3969	4						-	-															-			87	9.9	2	2	81	11.4	2	2
3971	Ţ							<u> </u>																		0.1							
	3																					-	10.0	_		1- 1	12.0	,			8.0		1
3972	4					ł—	-						-	-			-	66	66	-/	1	197	12.8	3	3	10.6	11.1	/	2	7.4	9.0	/	1
3772	1				-									1								9.9	125	3	3	10.7	107	1	1	7.1	7.1	1	1
	2													4.1	7.3	2	2	_			L	9.3	11.2	2	3								
	$\frac{3}{4}$									11	8.4	1										70	121	4	5	9.7	12.al	2	2				-
3973	4					1		1		7.0	0.7	7_	6	7.1	10 4	2_	0	1.0	1	1	1		1										
	1					6.7	6.7	1	1					4.9	8.6	2	2									ļ							
	2					5 9	123	-	9		6.0			10	95	2	2			-	-	- 1	-						-				
	$\frac{3}{4}$								43				1	0.3	1.5	æ	~			1		<u> </u>	1-			-		<u> </u>					†
3974			_										-								-												
		11.6				7.8	11.9	2	2	-							-				-	-				_		-					-
		137				\vdash				-		-	-					-	-		-		+			<u> </u>			-				+
4066	Ľ		10.1																				1-										
	4	-			-	<u> </u>	+	1			<u> </u>			_	<u> </u>		-	81	13.4	4	5	59	122	2	5	6.1	11.8	2	4	10.5	10.5	1	1
4067	2	\vdash	-			-	-	1	<u>†</u>							<u> </u>	-			-	+	89	122	.5	5	90	104	2	2				\vdash
	3					1		1				1		8.8	8.8	1	1	6.5	12:	6	10	6.8				1.0	101			9.9	9.9	1	1
	4						-			117	14.0	3	3	7.2	11.1	5	6	6.1	10.7	4	5	8.6	11.1	3	3				-				-
4068	-						-		-	\vdash		-			-		-	7.6	100	1	1	7 7	111		7	01	ina	3	2	-		-	
	2	<u> </u>			-	+		-	-	\vdash			+	77	11.1	2	2								4								
	3													93	128	2	2	76	100	5	7	88			1								ļ
10/0	4	-		-					-	12.7	15.6	3	3	8.1	12.9	8	9	8.8	8.8	1	1.		-					-	-				-
4069	1,	-	-			-	+	-		\vdash			-	77	100	.5	6	8.3	122	7	8	8.0	12.5	.5	8	8.1	118	.3	3	8.2	8.2	1	1
	2	<u> </u>							+					7.8	10.7	5	6	7.7	10.8	5	6	80											
	3	-							1										12.8	5	5			-	<u> </u>	-		-	-				
4070	4		-	-	1	10.9	15.1	7.7	7	9.2	14.0	1	8	7.2	12.1	5	7		-	+		<u> </u>	+-		-				-			†	+
4070	17					1			1		-	-		6.8	8.9	4	4	7.6	109	5	6	9.8	125	8	10	9.1	11.7	3	3	73	11.0	2	2
	2					-								7.3	11.7	4	6	5.8	12.2	6	10	7.7	13.5	6	17	6.6	11.7	4	6	8.7	10.6	3	3
	$\frac{3}{4}$				+	92	16.8	4	5		13.4							-			+	–	+						-	-	-		
4071	4	-			1	+		+	-	155	10 4	14	20	1.3	I at at	0	11				+	+	+		<u> </u>								
	1						1																12.9	8	9	11.0	11.0	1	1	7.8	7.8	1	1
	2									1	12.9	0	10		110				13.1	5	6		+		-								+
	4		-	-		86	12	8	8	56	121	7	17	51	109	9	14		-	+	+		+			1		-	<u> </u>	\vdash	+		
4072	Ĺ					Ľ																											
	1								-		62			4.7	5.6	2	2	-			-	-	+			-							-
	2	18.7	190	1	1	6.1	111	4	2 5	4.5	11.7	7	8	1-	-				-	-			1-				1			-			-
		194				94	180	2	2	52	10.8	4	4							-			1			-							
4073						L									-			-	-				-				-					-	-
	1	122	15.4	2	5	66	2162	6	10	5.9	10.3	3	4	6	7.0	1	2					-						-	-	-			-
		191								5.4	1.3	3	0	06	1.0		-																
		11.8								-		-						L				—											
4165	4		-				-	-		-		-		1-	-	-			-		-	10	84	2	2	78	7.0	1	1			-	-
	4			20 M		+	1	40/	1	-	<u>4</u> 1-	1			1	1	1		1	1	1 .		104	150		1		200	1/	-	1) M

KEY The four-digit numbers in the calumn on the left give the latitude and langitude of the southeast corner of each one degree-guodrongle. Each one-degree quodrongle is divided into 30-minute quodrangles, numbered as in the diagram to the right. The calumns of these tables give. A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

٢



AUGUSI	т		1-3	201	٨		21 -	40/	N	4	41-	601	٨		61 -	80/	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	01 -	250	M
		A	В	С	D	A	В	С	D	A	В	С	Ð	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4166_	-	1			-												_													I			_
	12	ł			-								<u> </u>	-			-	77	12.2	5	5	5.2	138	7	10	7.1	8.8	2	2				
	2	-	-		-	+			+	-				77	112	4	5	5.6	127 13.4	6	8	112	11.2	1	1				-				-
	3				+	+	+	-		-		-		93	7.5	5	1	00	13.4	7	22	61	00	2	el.						-		-
4167	14	-			+	+	+							7.9	14.1	5	14	177	13.4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3		-	-		-		-	<u> </u>	ł—			-
4107	1	1			+	1129	139	1	1	10.8	160	7	8	90	143	4	5				+					<u> </u>	<u> </u>		1	1—	-		-
	2				1	12.6	17.9	7	8	10.1	179	7	10	92	127	2	2	1-		+	<u>†</u>								1		1		
	3				1	16.8	16.8	1	1	11.5	17.7	8	11	13.1	13.4	2	2	1		1	-										1		
	4	14.9	16.2	1	4	8.4	17.7	3	4	173	17.3	2	2	5.2	6.0	2	2	8.9	96	2	2	8.2	8.2	1	1	6.3	6.3	1	1				
4168																										<u> </u>							
	1			ļ		14.3	17.2	3	3	120	16.7	5	9	10.4	11.8	2	2	<u> </u>		_			-										L
	2			ļ				ļ											8.3	4	4				3					L	-		
	3	 				15.8	17.6	2	2	9.9	15.6	4	4	6.9	69	1	1				-				2								_
	4	-				+		+							-							39	5.7	3	3	3.8	6.7	6	7	5.9	3.9	1	1
4169	1	-			-	0	120	2 1	3	1.	110	0	11	10	110	1	1	6 1	07	2	1	2 -	11	1	1	20	51	A	F	1-	-		-
	1								9					4.8	11.0	4	4	5.1	1.1	5	4	5.3	4.1	/		31	5.4	4	13	-			
	2				-	1.1	179		+ 1	173	17.5		1	57	57	1	1	49	51	2	2	48	48	1	1	42	62	5	6	46	46	2	2
	4	81	82	1	1	3.3	82	6	6	51	72	7	7	5.0	5.7	4	5	33	56	4	4	34	61	5	6	50	50	1	1	10		-1	
4170			1				1	1																					1				
	1		-			117	184	5	. 8	104	10.4	1	1																				
	2	15.8	220	7	11	100	20.	5 10	18	9.0	112	6	6	L	Ļ					-										<u> </u>			
									13	79	94	2	2					<u> </u>				 		-		\vdash		-					
	4	6.0	224	8	9	10.6	10.6	1	1						-					-		1	-	-	ļ	_			+	 			-
4171	<u> </u>	1	10		-	-	1			-									-	-	-				-	<u> </u>	-						-
									30 19					+	• • •			+	-	1	-			-			-				-		
12/1	2	16.9	19.9	3	3	7.0	17.1	10	/7	0.0	11.1	6	11						+	-	+	+	+	-	-			-	-	-	-		
4264	2	<u> </u>	<u> </u>	-		+	+	1	+	+				-	-		-	54	6.2	1	2	4	6.8	1	,	<u> </u>				<u> </u>	-		
	4		-		-	+	1	1	+	+				-		+	+	1.1	6.4	· '	~	1	7.7			1	1	+	+	<u> </u>	+		
4265	47	-	1	<u>+</u>	+	1	-	1	+	<u>† </u>			+		1		-	+	1			1-	1	1		1	1				-		
4.205_	1		1		1		1	+	+	1		-	1	1				1		1		4.3	94	2	2			1			1		
	2									[56	8.9	3	5	51	10.3	6	11			_		6.8	8.3	2	4
	3							1										39	7.3	5	6	29	77	4	4	4.4	5.8	2	2	_			
	4	ļ								_			_	<u> </u>	ļ			2.9	99	6	9	19	8.4	6	7	5.6	56	1	1	68	6.8	1	1
4266	-					-		+					ļ		1	-					-	-			1	-				-		-	
	4												-	106	121	2	2	7.2	10.6	2	6	50	50	1	1	6.9	69	1	1	5.7	75	4	4
	2						-	1	1	7 1	01	2	r	4.0	05	5	5	5.7	57	1	1	4.1	72	2	2	5.0	2.0	2	1	3.9	7.2	د	3
	3		-	-	+ -	+		-	1	1.2	7.6	2	5	3.0	9.4	3	6	5.6	0.0	1	~	136	1.5	4	4						7.1		3
4267	4					-			1													1	+			0 4	U. a	7	9	0.1	1.1		0
4207	1	1	-	-	-	+		1	+	54	110	3	3	53	130	2	3	5.8	131	3	3	5.0	10.2	4	5	7.1	7.1	1	1				
	2	1		1		1	1	1											79					ĺ.		4.8	66	3	3	4.9	7.7	5	6
	3				+	-			1							-	-	-		-	-	1				5.4	5.4	1	1	5.5	7.7	3	3
	4								1																	5.5	5.9	2	2	4.9	6.0	3	3
4268				-		1		1			-				1		-			-					-	-		-		-			
	1	L	ļ	-		1_	+	1	-	<u> </u>			-		-	-	-		-	-											6.7		4
	2					-		+										-			-	4.5	4.5	1							6.6		3
	3					-	-		+	+	-	-	-			-	-	-		-	-	-		-			6.8				68		3
4270	4	-			-	1-		-	+					-		+	-	-		+	+	+	-		-	100	Ja	~	-	5.0	51		-
4269	1	-		-	-	+	-	+		1-		-						1-			-	1	-			51	6.0	1	1	50	6.7	4	4
	2	+		-		-		1	-	-				5.8	58	1	1	5.1	5.1	1	1	46	5.7	2	2	51					8.9		5
	3	1				1				1				4.6	61	2	2	-	1		,	1	0.7	-					3	4.9	71	4	4
	4	1			-										1 ···							38	3.8	1	1]						
		1		201	-		21-			T	41-				61-			-	81 -					150			51-			1			M

KEY The faur-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each ane degree-guadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days



			1-:	201	٨		21-	40/	٨		41-	601	٨		51 -	80%	٨	1	B1- 1	100	M	1	01-	150	M	1.	51-	200	M	2	01-	250	M
AUGUSI		A	в	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4270											2.4								10	-	1	24											
	1					89	89	1	14	59	59	4	5	44	6.1	6	6	4.0	4.4	2	~	34	61	3	3				-				
	23					0.0	00	0	19	40	68	3	3	37	6.1	3	3	40	7.3	4	5	33	6.7	4	5	5.1	5.1	1	1				
	4					1				54	54	1	1	52	60	2	2	4.7	49	2	2												
4364																								 									
	1														A 1		1	39	5.1	2_	4	51	8.3	1	1	84	89	2	2				
	2						-			-				4.1	4.1	1	/	42	39	2	2	49	49	2	1	90	92	1	1				
	$\frac{3}{4}$			-		1—	-			18	1.8	$\overline{1}$	1	2.8	3.9	3	3	31	47	2	2	58	67	2	2		,						
4365							-											1															
	L					36	3.6	1	1	37	37	1	1	27	2.7	1	1	2.7	56	2	2	41	58	2	2	5.5	5.5	1	1				
	2					7.7	99	2	2	4.8	7.8	2	2	49	49	_/_	1	61	84	3	3	44	44	/	1								
4366	-									77	99	3	2	72	104	3	4	67	96	3	2	4.9	8.8	4	4				-				
	2					f		1		1/4	1.1	<u> </u>	5	1	10 1		1	71	89	2	2	59	89	2	2							-	
	3					11.1	11.1	1	1	102	10.6	1	2	8.8	9.7	3	5	8.0	96	4	4	10.9	10.9	1	1								
	4						_											84	9.5	3	5	6.6	8.7	4	5_	9.3	93	1	1				
4367						-	-							-									-			62	63	1	1				
	2			-		-	-	+		<u> </u>		<u> </u>		–			-	<u> </u>	-	-	1									47	66	2	2
	3				-	1-	-	-		+	_					-		1—		1	1	50	50	1	1								
	4																						_							51	5.3	1	2
4368									-							ļ		ļ				<u> </u>	-						-				
	1							-		\vdash			-								-	 	-		-	4.8 4.8					6.6	/	1
	23					_	-	<u> </u>					-					-		-		77	7.7	1	1	4.0	60	2	5				-
	4			-	\vdash	+				1-				82	8.2	1	1	-		\vdash	1	1.1	1.1	1	1-	5.2	7.2	2	2				
4369	7	-			1	\uparrow							-														_						
	1						-							_					-			1	ļ.,			4.1							-
	2			1	<u> </u>	_		-		–		-					-		-	<u> ·</u>			4.1		1	5.3	53	1	1				
	3				-	-	-			+				70	70	1	1	-		-	-	4.1	60						+				+
4370	4			-			1			\vdash	-		-	10	10	1	1	-		<u>† </u>	+	†	1			<u> </u>			-	1-			
4070	7			1					1	8.1	8.1	1	1	5.6	56	1	1	5.0	5.0	1	1	3.3	4.0	1	1			<u> </u>					
	2					7.8	78	1	1						 	ļ ,			+		i +	<u> </u>	_		-		1						+
	3			-	-					64	94	9	18		-	1		-			-				-					-			
4464	 	<u> </u>					1 1 1			31	3 1	,		23	33	1		3 3	2 2	1	1	4.4	44	1	2		-	+	-	+			-
4466	μ_			-	\vdash	7.9	49		1	157	57	1		13-3	1.5	/	1	10.0	0.0		1	1	7.0	1	1			1-					-
44.00	1									9.5	9.5	1	1	9.4	9.4	1	1	6.4	9.9	5	6	8.7	9.0	2	2	5.8	10.3	2	4	82	8.2	1	1
	2																-	8.2	9.5	4	4	5.7	9.7	5	5	5.5	99	2	3	96	96	1	1
	3						-			-	-			7.0	7 0	-	1	1	90	2 2	A				75								-
4447	4			-		-	-	-		-		-		1.2	1.4	1	/	6.0	1.0	3	4	1.1	10.4	4	5	5.7	0.1	1	1	-			-
4467	1				-	-		1-		1-	1	-						1-	1			7.7	8.0	1	1	7.4	7.4	1	1	8.1	8.1	1	1
	2													8.2	82	1	1	72	7.2	1	1					4.7							
	3						+											8.9	107	2	2	-		-									
4468		17.0	0.0		-	-	-		-	-					-						-	-					-						-
1566	2	7.3	7.3	/	2		+				1	-					-			-	-	1		-		-					1		
4566	1					-		-		9.5	9.5	1	1	9.3	93	1	1																
	2					9.6	96	3 1	1		9.8		1					—															
														-	-	-		-	-	-								-				-	-
	-		-		-					-		-		-		-						1-	-					-		-			
	\vdash	-				-			-		-						-	-			1	-			1-			-		-			
	L		1	201	A	1	21	40/		-	41-	60/		1	61-	80/	ú.	1	81 -	100		1	01-	150	- M	1	51 -	20	0.04	2	01 -	250	M

KEY The four-digit numbers in the calumn an the left give the latitude and langitude of the southeast corner at each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables give: A - minimum temperature, B - maximum temperature, C - number af years, D - number of days

4	3	
2	1	

SEPTEMB	FR		1-	201	A	+	-	40/	N	-	41-	601	۸		61 -	80/	N	1	81-	100	M	1	01-	150	M	1	51-	200	DW (2	01 -	250	M
-		A	8	С	D	A	B	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	8	С	D	A	В	С	D	A	В	С	C
3971	4				-		-	-					ļ			-			<u> </u>										-	-			-
3972	4					+	-			-							-			-	-	11.9	11.9	/	/					+			
3772	1					+	+	1	1						-					 	+	12.0	12.0	1	1	113	11.5	1	1	122	12.2	1	t
	2													7.9	84	1	2	11.7	119	1	2				2							-	
	3					1								86	92	2	2	6.5	122	5	5	8.9	127	4	4	10.9					116	2	
	4									5.7	15.1	7	9	4.9	124	5	7	110	11.0	1	1	99	112	3	3			-		<u> </u>			-
3973	-					17	117		1	75	-15			6.0	00	2	2	-		-	-							-		-			╞
	2								1				+	57	0.0	3	3	-			-	-			-		-			-			+
	3								7					6.7	16.8	3	3	-	1		†	-	-		-			+		-			t
	4								38																			-					
3974														ļ	ļ			[
	1	/7.9	190	1	1			1						_		-	-					 				-	-		-	-	-		
	13	110	207	1	2			13								-		<u> </u>	-	-	-									-			+
4066	13	16.7	20.1	4	2	160	200	5	3					+		-	1		+			<u> </u>	+		-	\vdash				-			+
4000	4					\vdash	1	1						112	11.6	2	3	10	12.8	5	6	9.6	127	2	2	10.1	10.1	1	1	+	-	<u> </u>	+-
4067																																	
	2					 			i †	<u> </u>						<u> </u>									1_								-
	3					+		-		1.0.0	15.5		-	7.2	10.8	3	5	5.6	13.9	5	8	10 2	14.4	4	4	9.3	93	1	1	8.8	8.8	1	+
4068	4					+				128	15.5	3	3	9.1	14.9	4	7	6.3	13.3	6	//	6.8	/3.9	6	8	10.6	10.6	1	1		-		┝
4000	1					 	+	+	-	-				103	103	1	;				+	10.3	118	2	3	103	111	2	2	104	104	1	+-
	2						1	1		-								8.4	127	3	5	104	129	4	4	77	8.2	3	3	7.6	7.6	1	t
	3					143	143	1	1	15.4	169	1	1	8.9	144	3	4	9.0	132	4	5	10 3	134	2	2								T
	4				-	<u> </u>	-			122	173	3	4	102	156	6	10	7.0	14.3	6	7				-	<u> </u>		_		 			
4069						_		-					-	-											-	<u> </u>	-						-
	1						-	-					-	101	12.7	2	3	104	123	3	4	10.0	10.8	1	1 5	110	11.0	2	1		-		-
	3					14	140	1	1	99	129	11	17									7.0	12.1	5	3	110	[1.0	4	4				+
	4								1									1.0	14.0	1	-										1		1
4070																																	
	1																								5								
	2							-	-			-						7 <u>.</u> 4	122	5	7	8.1	12.9	6	8	109	11.2	2	2	9.7	9.7	1	+
	3					134	16 9	3	5		142																	-					+
4071	4				-	1	-	-	1	7/	1# 1		10	1.5	///	0	//			-	-	-	-				<u> </u>	-	-	-			-
40/1	1				-	1	1	1						8.3	11.8	6	6	8.1	11.6	10	14	9.6	142	6	7	100	108	2	2	10.3	10.3	1	17
	2													7.6	94	4	6	7.1															
	3				ļ		+			6.7	12.6	7	13	67	122	9	13					[
	4				-	104	136	2	2	6.1	132	12	18	5.9	124	7	12			-	-				<u> </u>		-		-	<u> </u>			-
4072	1									51	94	1	1	1.0	11.0	5	5	107	107	1	1					-		+					
	2				-	-					12.2							101	101		-	-			1								-
	3					13.4	16.9	3	3	7.1	126	4	5	1.1	18.1		7				1					-		÷	1				
	4					14.9	15.1	2	2	7.0	12.8	5	5															-					
4073								-							-					<u> </u>					ļ				<u> </u>				
	/	14.0	11.0	,					8					143	14.3	/	/			<u> </u>									-		<u> </u>		
		16 8 15.6			/			2	14	62	16.3	3	6																-		-		-
		185			2	1.4	10.1	2	0			-	-							-	1					-					-		-
4165	ŕ				~	1		1																									-
	4																					62	11.0	5	6	7.9	79	1	1	69	69	1	1
						-														-	-						-	-					-
						-	-												-						-	-	-	-	-				-
				20 M		-		40 M				60 M			61-		L			100		-		150		-	51-	-				250	

KEY The four-digit numbers in the column on the left give the latitude and fongitude of the southeast corner of each one degree guadrongle. Each one-degree guadrongle is divided into 30-minute guadrongles, numbered as in the diagram to the right. The columns of these tables give. A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.



Υ.

SEPTEMB	FR		1-:	201		+	21 -	40/	M		41-	601	A	<u> </u>	61 -	-	_	—	81-	-	M	1	01-	150	M	1	51-	200	M	2	201 -	250) M
		A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	C
4166	1	-			_			<u> </u>			<u> </u>	-	-	<u> </u>	-	-	<u> </u>	-	ļ														-
	1/	-									0.4		÷	100		0		59	100	7	13	61	119	6	9	103	10.7	2	2		<u> </u>		-
	2	<u> </u>		-		+				17.4	94	1	1									52								-			-
-	3	ł—				+	-		+										127			6.9	11.3	3	4	<u> </u>			-				-
4167	14				<u> </u>	+		+		<u>+</u>		-	+	7 -	13.5	+	17	6.0	[d. 1	6	10		-	-		-				<u> </u>	-		╞
4167	1					+		+	+	124	170	1	4	81	127	6	8		-			+	-		1				-	<u> </u>			┢
	12	-	+			154	18.8	4	4	141	164	4	5	102	117	2	2				+	1-	+		÷		_			1			┢
	3	t	+			150	179	2	2	136	178	.5	9	102	151	4	.5	-	-			1	1							<u>†</u>	1		\vdash
	4	153	16.6	1	.3													54	90	4	.5	5.8	62	2	2				1-	t			1-
4168	1	1			-	1	-			1.202.		and a		1	-		1						1							-			t
	1					153	184	4	4	150	17.6	3	6	112	13.3	3	3				1		1		1				_				t
	2					I		[133	162	6	7	72	18.3	5	8	6.2	96	5	9	5.0	73	6	7	5.5	55	1	1		1		Ī
	3	I				166	16 6	1																	4					6.7	6.9	2	1
	4	L.			1		-											4.3	6.0	3	3	5.1	66	5	6	4.1	66	5	6				1
4169	-				-	1	<u> </u>			Į			-	L		<u> </u>		į				-											
	11	<u> </u>									12.6	3	3	6.8	//9	5	6	5.7	8.9	6	7	49	72	7	9	36	66	3	6	 	L		
	2	12.6	126	1	1.1	10.1	16.7	3	6					-	_							-	-							ļ			L
	3					<u> </u>			+	<u> </u>	0.0	-			7.2		1	6.1	72	3	3	5.0	71	2	2	56	6.8	3	5	5.8	5.8	1	1
1	4	-				4.4	107	6	6	61	8.0	4	4	5./	78	4	4	6.1	7.3	2	12	4.7	11.3	3	3	42	64	2	2		-		
4170	1-	140	101	1	1	111 2	201	0	12	00	11.1		15	\vdash					-	-	+									<u> </u>			┝
									5		14 d	11	15				1-			-			+						-				+
			21.2			1.1	11.1	5	5			-	-	-		-	-				-	-	-	1	1	-			-				┢
4171	17-	10.2		-	-	1	+	1	1							-					+	1	1								-		┢
417.1	1	-	+		1	117	192	.5	10	9.5	192	.5	B		-	-			1	<u>+</u>	+	1									1		1
	2	140	14.0	1	1				6					1		-	t	-	1	†	-	1-	+					1	-		1		1-
4264	1			_			1	-									1				1		1										1
	2				1																	11.4	11.4	1	1								
	3						1															4.9	57	2	2								1
	4							-										54	54	1	1				4	7.7	7.7	1	1	8.4	8.5	1	1
4265		<u> </u>					i												[L .											
	1	L						1			L					 					-	4.5	121	4	4					13.3	133	1	1
	2	<u> </u>	-			1	<u>.</u>							I				7.1	83	2	2	38	110	5	5	8.9	94	1	2	70	7.8	3	ف
	3	<u> </u>	<u> </u>				-																		2								-
	4				-	<u> </u>								101	11.7	/_	1	4.5	10 5	6	7	3.0	8.8	6	7	8.3	8.8	2	2	 			
4266_	+	<u> </u>				–							-	1.11	0.0				0.4	-							0.0			6.2	0.4	-	
	1				-					-												6-1			/						8.4 7.6		4
	23				<u> </u>									5.0	127 91	4	1	4 3	00	2	2	5.1	14	3	3	2.7	95	2	2	0.1 8 A	1.6	2	13
	4	<u> </u>				<u> </u>								1.1	0.4	~	~	40	0.1	~			8.1								80		
4267	17-	-				-	+	1		-					-	-	-		-	-		1	0.1	5	+	0.0	//	~	-7	. A	00	0	3
3407	1	-								79	15.6	6	7	41	11.8	3	4	4.0	11.6	3	5	5.1	9.2	4	4								
	2					1				7.1	14.5	3	6	7.6	7.8	2	2	7.5	11.7	1	2	5.3	70	2	2	5.8	7.1	4	5	5.9	7.2	5	6
	3				-	1	1											-													7.8		1
	4																									7.3	7.6	1	1		7.4		5
4268																																	
	1																														7.2		4
	2					<u> </u>																									5.6		2
	3	L							I 								-		<u> </u>	<u> </u>	-	l									6.9		1
	4							-	-								-					-				4.4	7.7	5	5	5.0	7.3	4	4
4269									-													1 -	-	-				,		5 4			
	1					-			-										de						2	6.2	6.2	1					_
	2													50	1.0	2	1	7.5	7.5	1	1	6.1	7.2	2	2	1.2	71	1			6.6		
	3					-		-						5.5	6.0	d	2								2								20
	4					-									-							5.6	3.6	/	/	7.7	6.2	d	3	4.7	0.0	2	9
	L										_			-	1			-															-

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of eoch one degree-quadrangle. Each one-degree quadrangle is divided prior 30-minute quadrangles, numbered as in the diagroup to the right. The columns of these tables give: A-minimum temperature, B-moximum temperature, C-number of years, D-number of days.

4	3	
2	1	

DEPTH ZONE

SEPTEMB	ER		1-:	201			21 -		,		41 -		1	+	61 -	-			81-		M	1	01-			+	51-	1)W	2	01 -	250	<u> </u>
		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	C	D	A	В	С	1
4270	 	<u> </u>	<u> </u>			-	L				-		_	<u> </u>	-	<u> </u>				_													-
	14	<u> </u>			-				2										7.7	2	3	4.5	5.5	2	2	4.3	4.3	1_	1				-
	3	<u> </u>				6.1	13.3	0	18	5.0	1.2 10A	1		14.5	4.5	1	1		0 2	2	1	21	TT A	0	0	4.2	11	7	-	ł—			+
	1		-			77	94	2	2	4.1 1 A R	81	A	4	51	1.0	1	1	3 2	6.8	5	4	3.4	7.4	0	7	4.2	0.0	3	و	1			┝
4364	1					{ <u>'.'</u>	11	-	~	7.0	0.1	7	Ŧ	0.7	100	7	7		0.0		10					1			1	1			┢
	1					1				1-						1		3.3	6.7	2	2					6.6	8.9	1	2				t
	2															-		3.3	4.3	2	2	2.3	6.6	5	5	40	5.2	2	2				
	3							ļ		ļ				1	_		-	4.9	4.9	1	1	4.4	5.0	1	1	7.2	8.4	2	2	7.2	7.2	1	
	4					11.7	11.7	1	1	4.0	4.0	1	E	11.5	11.5	1	1	2.4	4.4	4	4	1.8	1.8	1	1	4.0	5.1	2	2	-			-
4365	<u> </u>					+					_	-		1 4	11	1	2	1 1	11	-	1	E I	1	2	2	10	4.0			-			+-
	12	-				1	11	1	1	18	101	5	5	4.3	0.4	2	2	4.4	4.4 9.8	1	2	3.1	6.1	2	کی ا	4.9	4.9	-/-	1.				ł
	3			<u> </u>		46	46	1	1	1.0	32	1	7	24	7.	4	4	22	22	4	1	1.0	a. 6	5	3			+	-	-			t
4366	ľ	1				17.0	1.0	- · · ·		0		1	-		1.0	17	1				-	1	1		1		-	+					t
	1									8.8	122	3	4	10.0	10.0	1	1	9.0	9.2	2	2				ĺ .			-					
	2	-									_	-											9.4	6	6	8.6	8.6	1	1	7.3	7.4	1	
	3					129	12.9	1	1			-	-	8.8	12.4	3			10.4				-				~	-			-	_	-
10/7	4					-	-				-	-	-	-	-	-	-	0.4	10.1	2	2	6.8	8.4	6	7	7.5	7.5	1	1		-	-	-
4367	$\overline{1}$					-		-		+		-					-			-	-	-		-		77	8.9	2	2			-	-
	2		-		-	+		-	-				-		E	-				-				-							9.5	5	
	4				1							1			-						1	1									7.2		
4368									-				-			-								-		1.1							Ē
	L					-	-	_			-					•						7.1	7.3	2	2	4.8	4.9	2	2				
	2	<u> </u>			-	100		-	-		_	-			-		-			-	h.,	5.4	9.5	2	4	4.8	10.0	5	6	-		-	
	3				-	-	1		+		-	-	-	rt r	-			8.8	8.8	1	1		-	,		5.1				-	-		į.
4369	4	-				-			-		-		-	1.3	7.5	1	1	0.7	7.7	1	2	3.1	1.0	6	6	4.0	10	3	3		-		f
4307	1		-			1-	-	-			-	-	-			-		-	-			50	53	1	1	4.3	62	. 2	2				F
	2				-	1		-	1					56	5.8	2	2	9.4	94	1	1	42	7.2	3	4	4.1	64	6	6	6.4	6.4	1	Ľ,
	3												1					7.7	8.1	2	2	7.8	7.8	1	1								Ľ
	4					11.7	11.7	1	1	5.8	5.8	1	1	6.9	8.6	2	2	7.2	7.2	1	1	3.5	5.6	3	3	4.2	4.2	1	1	5.0	5.0	1	
4370		ļ		_		-				-	_	1	_		-	-					-				-				I			_	2
	1	<u> </u>	-	-		11.8	11.8	1	1						6.7	1	1						7.7	1	1	4.6	4.6	1	1		-	-	÷
	4	-	-	-	-	-	-	-		67					-	-	-	44	7.0	3	3		-	-	-	-	-	-	-	-	-	-	H
4464	3			-				-	1	64	7.4	7	10		-		-	-				-		-			-	-	-	1	-	-	1
4404	1	13.9	139	1	1		-	(1	2.9	44	3	.3	12	.3.3	.7	4	3.2	3.3	1	1	2.9	6.5	3	4	-	-	-					t
4466													-				1			-											-		
1424 201	1	11.1	12.1	1	3	10.1	126	2	5	10.1	11.1	2	4	10.2	11.0	2	3	9.8	9.8	1	1	-								7.8	7.8	1	
	2	1.1	-	-			(-		8.3	8.3	1	1	8.1	81	1	1	7.8	100	4	5	76	107	2	2	76					-		
	3	-	-	-	-	-	-		-		-	-	-		-	-	-	0.0				0.	0.4			7.7					-	-	-
	4			-	-	-	-	1			-	-		11.1	11.1	2	2	9.9	11.0	2	2	9.2	94	1	/	6.1	7.7	3	4		-	-	-
4467	1			-	-	-	-	-			-	-	-	89	8.9	1	1	-	-			61	79	2	2	82	8 2	1	1	-			
	2					136	136	1	1	9.1	9.1	1	1	8.1	116	3	3	9.0	9.0	1	1	62	62	1	1	58	6.2	2	2	4.9	7.1	3	4
-	3					1		1						10.0	11.7	2	2					1											Γ
4468		0.0			15		1			-																							
	1		1				_		1				-			-	1		-	_		8.3	8.8	1	2	-		-		-	_	_	L
	2	10.7	11.1	1	2		_	-	-	-	-	-	-	7.9	7.9	1	1	8.0	8.9	2	2			-	-	-	-	-	-			-	-
4565		1	-	-	-		-	-		101	11 .		1		-		-	-	-	-	_		-	-	-		-		-	-	-	-	-
-	1	-	-	-	-	-	-	-	-		11.6					-	-	41	9.6	1	1	-			-	-	-		-		-	-	-
4566	2			1						11.2	112	1	1					1.6	1.6	1	1			-								-	T
1000	1							-			-		-	8.8	8.8	1	1																T
			1.2	201			21-	40	٨		41-	604	A		61-	80	N		81 -	100	M	1	01-	150	M	1	51 -	200	M	20	01 - 1	2.50	N

KEY The faur digit numbers in the calumn an the left give the latitude and langitude of the southeast corner of each ane degree quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The calumns of these tables give. A - minimum temperature, B - maximum temperature, C - number of years, D - number of days.

4	3
2	1

OCTOBE	D		1-	201	٨		21-	40	M		41-	60/	N		61 -	801	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	01-	250) M
		A	В	С	D	A	В	С	D	A	В	С	D	A	В	Ċ	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
3969	Ļ				-	-	+					-	-		-					_													
3971	4			-	-		-	+	+						-			<u> </u>			-					107	107	1	1_	10.1	10.1	1	1
	3						1															9.5	95	1	1								
	4			ļ		-				[9.1	11.7	2	4												-				
3972	+			-																		1-	120	_				,	1	7.0	17 P	1	-
	12					+			-	-	-		+	89	11.0	4	4	8 B	11.1	2	3	10:	112	.7	3	112	110	1	1	18	10	/	
	3					Ì							-	88	8.8	1	1	9.2	9.2	1	1	9.0			6								1-
	4			<u> </u>			-	-		7.3	16.6	5	9	7.0	12.1	5	8	7.8	11.4	3	3												
3973	1	-			-	+	-			17	123	A	5	77	11.2	1	5	71	111	2	2												
	2	-				121	141	2	2	72	181	4	6	1.1	11.4	7	5	1.7	161	~	ad .	1-								-			-
	3					9.9	15:	3	4	6.8	14.9	4	6	6.9	13.6	2	4					1				<u> </u>			1				
	4		ļ			10.5	19.1	9	28	/5.9	15.9	1	1	<u> </u>								<u> </u>											
3974	1	17.3	101	2	Λ.	107			-1				-					-			-	┨				_	-		-				
		166								\vdash							†		-	-	+	<u> </u>							-				
		17.6																								1.							-
4066						<u> </u>		-														-	-		i 	<u> </u>							-
4067	4	-					-	-	-									10.0	12.2	2	2	83	11.7	2	3	11.0	11.0	1	1_	7.8	82	1	1
4007	2					1-											<u> </u>		-	• · · ·	-	89	14.2	2	2	90	134	2	2				-
	3								1					80	11.9	4	4	5.2	13.8	4	7				8								
	4					ļ				10.8	110	1	1	6.2	124	4	9	6.1	14.7	4	8	7.6	7.9	2	2								
4068	+_								-				-	-						-			100	-	-					-			
	6				-	+	1	-						-			-	85	110	2			77		2	116	11.6		1				-
	3			_						108	13.8	5	6	8.5	134	4	7	8.4	8.6	1	1	1.1	1.1	,	/		-		-				1
	4									128	14.8	З	4	9.6	19.4	4	10	97	129	1	2												
40.69		<u> </u>								-			<u> </u>	-	15.0	-	-		1000		-												
	12				-				-				-										9.0 10.8		1	-							-
	3					\vdash	1	†	<u> </u>	9.6	17.1	9	17	9.7	16.8	5	10	10.5	132	2	2	10.7	70.0	/				1			1		1
	4					11.1	132	2	3	11.1	17.2	3	5	102	14.9	3	4																
4070_	+_							-	-	-			-					0.4			-		120	-		—	-		-	0.0	9.5		
	2					1—								92	92	1	1	74	121	5	5	92	134	R	3 13	100	114	2	2		7.5		/
	3					13.2	15.4	2	2	10.7	16.0	5	7						14-0			1	1.5.1	0	10	100	11.0	-	5				
	4				-				ļ	8.0	16 1	9	14	7.9	17.3	8	10											ļ					
4071_	1						+							11.7	11 -	1	1	01	200	E	C	11.2	11 -	.7	2			-	ļ				-
	2					-			-					11.3	11.3 16 8	7	7	80	17.7	5	5	11.3	11.3	3	3			-	-		-		-
	3						1	* * *	-	10.8	15.7	4	6	9.9	13.8	4	6		10.1	4	6												
	4					12.9	14.9	3	3	7.8	15.0	5	7	7.4	14.5	6	6																
4072	1						+			80	150	0	4	0.1	100	1	6					-	-										
	1						1	1		8.8					15.9							-											
	2 3					13.4	15.1	3	3										-														-
	4								2				2																				
4073	+								0	10.7	100	~	~	44.7	11 -							-											
	2	139	149	1	2	114	16.2	6	9 15	10.3	1107	3	2	113	113		1		-														
		131			2	120	149	2	2	140	ITA	al	æ																				
	4	13.3	183	2	2																		1		_								
4165																					-					-	0.0			-			-
	4			20 N				401			41-				61-		-			100		1	102		7 M		<u>8.8</u> 51 -			50	8.3		5 M

 $\begin{array}{l} KEY \\ \text{into 30-minute quadrangles, numbers on the column on the left give the latitude and longitude of the southeast corner of each ane degree-quadrangle. Each ane-degree quadrangle is divided give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days. \end{array}$

4	3
2	1

OCTOBE	R			201				40/		<u> </u>		601		<u> </u>	61 -		_	<u> </u>	81-		_		01-	_			51-				01 -		
	. K	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	Α	В	С	۵
4166								1																									
	1					<u> </u>		1							-								8.6	3	3	8.3	8.9	2	2				
	2				1				+										11.7						<u> </u>		i 						1
	3				-	+	-				1		-						11.0				104	1	2	-							-
	4				÷		ł	-	-	13.3	13.3	1	1	10.0	14.5	7	14	8.1	10 6	3	4	-				<u> </u>							-
4167							-	-	-	11.77	15.0	-		14.7		~	H	-	1		-	+	+	-									-
	12				+	120	111	43	2	11.7					13.4	3	1		+				+		+	\vdash					[-
	2					150	107	13	-3	11.5	10 d	5	9	120	14.6	5	6	+	÷	-		<u> </u>	+		1		1						t
	4				-	122	16	2 7	8	INB	161	4	5	95	122	.3	.3	54	117	3	.3	45	86	.3	3	60	67	2	2				-
4168	-7					1/01 0	10.0	1	-0	10.0	101			11.5	14 -			V.0		+	1	1.0	0.0			00	01	04			<u>.</u>	_	1
1100	17					140	143	81	V.	122	16.2	6	9	99	133	3	4	9.2	9.5	1	1												
	2							1	T	114	15.5	3	6	83	15.3	8	10	58	139	5	9	42	7.2	6	9	5.1	5.1	1	1		1		
	3					13.1	15.0	3	3	7.8	14.4	5	5	5.6	125	6	6	5.1	11.5	5	5	5.0	6.9	2	3	5.8	8.2	3	3	5.0	7.4	3	
	4							2.	6.00	1.0					1	į		8.9	8.2	1	1	4.6	66	6	8	45	67	6	8	ļ			Ļ
4169	L					-		14	1					-	+								-	-	-	-	1						-
	1		_			-		-			117	8	10	50	122	6	, 9	5.1	10 6	5	7	54	77	3	6	4.4	54	4	4	<u> </u>	-		-
	2	132	132	1	1	10.1	11.3	3 3	3	-					~	1	-	5 -	1.	-	1.0	1.			-	1 -			0	10		-	-
	3	110	100	-	-	10.0	10		0	6 -	110	D	1.0												25						62	3	ł
1170	4	112	129	2	2	8.2	126	5 6	0	5.3	112	0	12	22	10 1	3	3	43	8.3	4	4	48	62	4	2	40	6.2	2	3		+		+
4170	+_		-		-	1121	15	2	2	-	-			1	-	-		+-	-	1	+	-	-	-		-	-	-	-		•		+
	2	143	16.1	4				2 10			145	4	6	-	-	-			-	-	-	-	-	-			-		-	-			
								5 4						-	1		-			-			-					-	-	1			t
								. 1		1.1	11.1	-																					-
4171	17	10.1	100		T	1	-	-	ć																1			-	+				t
	1	146	146	1	1	117	17.	38	17	112	167	5	8						-						1	1							Ι
								1.5								1							1		1			_					
4264																	Γ.,			-	-	-	-		1	1	_						L
	3	-			-	-		-				-		-				3.7	4.4	2	2				3			_		7.8	7.8	1	L
	4	-		_	-		-	+		-	_	-	-	-	-		-		-	-		39	81	2	2	8.5	8.5	1	1			-	Ļ
4265			-	-		-	-	+	_	-	-	-	-	-	-	-	-	-	-	-		2.0					-	-	-	-		-	Ļ
_	1	-	-		-	-	-	+		-	-	-		-	-	-	-	10	-			38	87	5	5	1	10.0			C 1	0.0		ł
	2	-		-	-	-		-	-	-	-	-	-	-	1	1	-								6						7 2	6	f
	3 4	-	-	-	-	-	-	-	-	-	-	-	-	7.9	78	1	1								6						-	-	t
4266	-	-	-	-		-	-	+	-	-	-		-	1.0	1.0	- /	- 1	60	120	10	10	J.a	05	5	0	70	105	5	5		-		f
4200	Tr			-				1	1	-	-		-	72	72	1	1	61	100	4	.5	5 1	68	4	4	55	80	2	2	51	89	5	ľ
	2								-	63	111	2	2												1								
	3		1			1	1	1																	4								Ĩ
	4								1																						8.9	5	Ĩ
4267			-				1			1								1										-		-			
	1			-			-		1	47	122	4	6	50	131	7	10	61	.86	2	2	53	68	2	2	5.0	6.5	3	3	-		1	
	2				1				1	114	11.4	11	1	57	7.8	2	4	6.1	7.3	2	2	4.9	6.7	4	5	4.8	78	4	5	56	7.8	5	L
	3					-	1	-	1				1		-			-	1	1	1	_			-						78		
	4	-	-	-	-	-	-	+	-	-	-	-	-	-	1			-	-	-	-	-	-	-		5.6	6.5	3	3	6.7	7.9	2	ł
4268		-	-	-	-	-		1	-	-	-	-	-		-	-	-	-	-	-	1	-	1		1	E I	43	-	0	5.6	~ 1	1	,
	1	-		-	-	-	+ -	-	-	-	-	-	-	-		-	-	-	-	-	+	5.6		. ,	1						6.1		
-	23	-	-	-	-	-	-	-		-		-		-	-	-	-	1	-	-	1	9.9	5.5	1							55		
	3	-		-	-		1	+		1		-			10		-		-	1	-	-	-								7.7		
4269	4				1	-	+	1		1		-							-	-	-					1	0.0	1		1	1.1		ľ
4607	1				-	1	T	-	-	1				1	1	1		-	-	1	1		1		1	50	6.3	3	4	49	64	3	Į.
	2					1				51	51	1	1	84	84	1	1	64	7.1	2	2	49	6.8	1	2	-		_	-		66		-
	3													L.				5.	52	1	1	4.7	50	1	2								Ι
	4								1					1						-	1		1		1						56		
									1												-												
			7 /	20 M			21	40/			41-	40			61-	00			01	100		1	01 -	150		1	51-	201	244	2/	01 -	250	1

 $\begin{array}{l} KEY\\ \text{southeast corner of each one degree quadrangle. Each one-degree quadrangle is divided into 30-minute quadrangle, so the degree to be solved to be solved as the dispose of the right. The columns of these tobles give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days$



OCTOBI	ED		1-:	20 ^	٨		21 -	40/	N		41-	60۸	٨	Ι	61 -	80	A.		81-	100	Μ	1	01-	150	M	1	51-	200	M	2	01-	250	M
OCION		A	В	С	D	A	8	С	D	A	В	С	D	A	8	C	D	A	В	С	D	A	8	С	D	A	8	С	D	A	8	С	D
4270	1.						ļ			Į				ļ							ļ										ļ		
	1/																		8.9				60	3	4								
	12					69	13.2	8	17	66	7.7	4	-	1.1	71	2	2	159	59	5	5	39	77	1	7	48	60	2	2				
	4					77	116	.3	.7	82	112	4	4	7.4	104	3	3	42	5.6	2	2	0.7	1.1	6		70	0.0	~	L		1		
4364	Ť						17.0				11 -	<i>.</i>																					
	1	ļ				1_						_		ļ			L		51							50	8.9	2	2				
	2	ļ																	70										-	-			
	3								-	23	15		2	49	49	1	1	3.0	1.6	2	2	29	58	2	2	67	6.7	/	1	5.8	110	2	2
4365	4								-	5.5	0.5	~	~	7/	5.6	/		100	4.5	and .	~	150	50			7 4	TA						
400.0	17								1									32	61	3	3					30	4.9	4	4				
	2									7.8	94	3	3	62	11.1	1	2	58	9.4	4	4	58	8.3	2				[
4366						-	0.1						-	-						 													
	4					9.5	9.5	1	/	9.4	12.7	4	4	96	1/2	2	2	66	12.2	3	3	6.1	7.5	2	2 5		71	2	1	1 1 2	00	-	
	2					107	10.7	1	1				-	7 3	in 2	.3	3		111							0.6	1.1		1	6.3	σ.7	~	ah
	4					101	10.1			-															5	6.2	7.2	2	2				-
4367																																	
	14														-				ļ		-			ļ							7.5		
	2	┨					-	-		-							-		-			6.1	C 1								62		
	3				-			-	-	\vdash	-		-				-		-		+	157	5.1		1	5.6	6.3	3	3		71		
4368	T	-	-		-		-	-	-	\vdash					1		-		+		1	1—								5.7	//	7	7
	17																							-		5.3	5.3	1	1	5.2	59	2	2
	2						-	_	_	-				<u> </u>											2						4.8	1	1
	3		-	-	-	-		-	-	-	-				<u> </u>										1						-		
1210	4	-	-	-	-	-	-	-	-		-		-	+	-	-	-	7.2	10.1	2	2	64	64	/_	1	3.8	75	2	2	7.2	7.2	/	/
4369	5				-			-	-				-	-					-		+	18	48	1	1	46	5 2	2	2				
	2						4							-			1				1				2					5.0	50	1	1
	3					105	105	1	1					7.1	7.1	1	1	6.2	70	1	2												
	4				-	9.9	99	1	1		_			49	49	1	1				-	44	11.4	3	3								
4370	1.				-	01	0.1	,	1.7	01		7	2	0.0	0.0	1	-	1	0.0	-			70	-	7	20	<i>F</i> (-	2				
	2		-	-					2					00	0.0	1	1_	4.3	87	2	4	4-1	/ 7	3	7	3.8	26	2	3	-			
	3					10.0	11.1	-		6.5							-		+			1					,					-	
4464										1.3																							
	1	-		_	-			-	1	3.4	3.4	1	1			-	2	46	5.0	2	2												
4465	1	122	10.0	,	,	-	1	-			-	_	-						-														
4466	4	13.3	13.3	1	1		-	-		-	-	-	-	104	104	1	1		-	-	-	-	-		-	-				-			
4400	1	11.1	111	1	1	104	116	3	4	103	111	1	2	97	107	2	2	102	102	1	1	95	95	1	1	66	98	4	4	68	81	2	2
	2													1	10.1	-		7.2	124	6	6	6.9	9.3	3	3	60	65	1	1				
	3				_			_		-			-			-		7.5	11.7	2	2	64	9.5	2	2	70	10.1	5	5	7.0	73	2	2
	4	104	10.4	1	1	10.4	10.4	1	1	10.1	10.1	1	1	10.1	102	1	2	98	10.3	2	2	9.3	99	5	6	8.3	86	2	2				
4467	1	-	-		-	-		-			-	-	-	-	-	-	-	61	10 3	2	2	91	94	1	1	52	60	2	2	6 7	62	1	1
	2					11.1	11.1	1	1					80	8.6	1	1		8.1							0.0	0.0	-	-	5.7	7.5	3	1
	3							-								1	1	10.3	103	1	2			-									
4468					-				-	-	-						-			1			1.1	-									
	1	-	-	-	-	-		-	-	107	10.7	1	1	7.9	7.9	1	1	10.4	10.4	1	11		-	-	-	-	-		<u> </u>				
4564	1			-	-			-	-	102	10.0		-			-	-	-	-		-		-	-	-	-			-				
4565	2			-			-	-	-	10,7	109	1	1					-	-	-				-	-	-	-		-	-	-		
4993	1		-		1	11.8	11.8	1	1	10.2	121	2	2	11.8	11.8	1	1														-		
	2																	103	104	2	2												
			1-2	20 N			21-	40	٨		41-				61-				81 -			1	01-	150	M	1	51 -	200	M	20	01 - 1	250	M

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast carner of each one degree-guadrangle. Each one-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, β-maximum temperature, C-number of years, D-number of days.



NOVEMB	ER	<u> </u>		201		+		40/			41-	_			61 -				81-1			+	01-			1	51-	200	<u>M</u>	2	01 -	250	M
		A	В	С	D	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	
3969																		-									100			0.0	0.0		-
3970	14		-																		<u> </u>	<u> </u>				11.7	12.5	1	-/-	7. d	92	-/_	+
577.0	3								-										-							10.0	10.0	1	1				t
	4																_					10.4	122	3	3	96	104	2	2	9.0	10.0	2	
3972										<u> </u>						L	ļ		ļ			-											-
	1									-				-				101	121	-	-	10.5	110	2	2	10.0	106	2	2	8.6	10.1	2	-
	$\frac{2}{3}$																	17.1	13.1	2	2	11.0 11.1	13.1	3	4	11.3	11.3	1	1	02	11.0	2	┢
	4			-				-		97	155	5	6	83	160	4	4	121	14.2	2	2	11.1	13.5	3	3	10.4	1d.0	.3	3	0.3	10.9	3	ŀ
3973	17	-								1	,0,0				100	1	1	1	11.0			1			-			1	1				t
	1					13.9	13.9	1	1	15.5	15.5	1	1	13.3	16.7	2	2				-												
	3					136	15.6	2	2	123	15.7	4	4	15.1	15.1	1	1	ļ	<u> </u>			ļ				 							
0074	4					10.0	16.0	11	33		-							-															+
3974	$\frac{1}{7}$	127	121	1	2	127	121	-	1	-							-		-									-	-			<u> </u>	┝
		12.9			a I	14.1	10.1		1								-	-	-	-	-	 				\vdash			+	-			┢
4066	1~	100.1	/4./	-						-				-					† -			<u> </u>	-					1			-		+
	4				-													7.0	16.0	2	2	6.2	8.3	2	2	10.1	10.1	1	1	7.0	7.0	1	
4067	<u> </u>				<u> </u>			-													-						ļ						
	2																	-	-											7.0	70	1	-
	$\frac{3}{4}$		-				-			115	11.0	1	1									69				7.7	10.1	2	2				+-
4068	4			-						11.5	116	~	2	7.9	133	4	2	0.5	182	4	4	11.4	11.4	/	1				-	-			┝
4000	17																-	107	108	1	1					8.0	86	1	1				┢
	2					1				-		-		9.9	99	1						82	122	2						99	100	1	t
	3									11.9	13.2	4	5	11.6	116	1	1	9.1	175	3	3	9.3	9.3	1	1								
	4									122	13.8	2	2	10.5	19.8	8	8	12.2	122	1	1												
4069	<u> </u>				<u> </u>														-			-											+
	14					-		-														99				116	11.9	2	3	9.6	10.8	2	-
	2					1	111		1	82	151	0	21									82	129	2	3			<u> </u>					+-
	3	111	111	1	1				3									09	12.0	5	5	<u> </u>	-										t
4070	7	11.1	11.1	/	-	101	14 2		-	10.9	13.1	0	-	10.0	Ta U	5	5	 	+						_			-					t
	1													8.7	14.9	3	3	108	14.5	2	2	10.1	134	4	5	106	111	3	4	8.1	8.7	3	T,
	2																					9.2											
	3							†*	Ĺ		16.7										-												1
4071	4						-			7.3	14.3	9	11	92	162	6	6	-				<u> </u>											+
4071	+							-				_		108	149	2	2	10.2	150	1.	5	11.7	141	2	5	108	121	1	2	80	115	2	+
	2					1								95	162	.3	~	94	157	2	2	11.1	19.1	3	-	10.0	14.1	/	~	0.0	11.5		1
	3	-			-	1-				9.4	16.4	4	5						10.1	-		1			<u> </u>		-	1	<u> </u>				t
	4					123	15.2	3	3	8.7	154	5	5	8.2	160	6	6																
4072	-									_																							
	1						1.40				8.9																	-					
	2								1						121	2	2											-					+
	3					13.1	14.1 85	4	2	82	82	4	4									-											+
4073	4	-			-	0.5	0.5			0.4	U.al																						1
	1					8.1	14.9	4	4	9.3	14.2	5	5											_									
	2					10.7	148	7	8															-				_					
	3					14.4	14.4	1_	1														_	-	-		-						
4074	-																						0.0	-	-			-	-			-	
	4						-											-			-	7.3	0.6	2	2	5.6	67	2	2	6.6	66	/	-
	-																	-		-	-			-				1-10	-				+
																						-											-
	-			20 M			-	401	-	-		_				-	-		-	100		-	-	150	-	1:	-	-	-	-	-	250	-

KEY The four digit numbers in the column on the left give the latitude and longitude of the southeast carner at each ane degree-quadrongle. Each ane-degree quadrongle is divided into 30-minute quadrongles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, 8 - maximum temperature, C - number of years, D - number of days.



OVEMB	FR		1-:	201	٨		21 -	40/	M		41-	601	٨		61 -	80/	N		81-	100	M	1	01-	150	M	1	51-	200	M	2	201 -	250	<u>M</u>
		A	В	С	D	A	В	С	D	A	В	С	D	A	B	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	C	0
4166	1_	<u> </u>			ļ										<u> </u>		 						ļ,		<u> </u>	<u> </u>	-			 			_
	11	+					-	+		-				17.5	11.0		-	7.1	10.7	2	2	5.1	112	3	3	78	78	1	1	68	6.8	1	-
	4	+			+	+	+				-		-	1.3	116	5	5	1.3	10.1	3	17	1/2	79	1	1	<u>+</u>	-		-	\vdash	-		+-
	4	1			+	1	1	+	1	112	112	1	1	8.8	12.5	.5	7	150	11.4		1	0 -	1 ' '	r' -	· ·	1		†		1			+-
4167	Ť				1	1	1											1			1	1	1			1			1	1			\uparrow
	1														9.4	2	2	8.2	8.2	1	1												
	2	L			-	11.2	127	2	2								<u> </u>	<u> </u>				ļ	<u> </u>			ļ			Ļ	<u> </u>			L
	3					-				10.1	128	3	4	9.4	9.4	1	1		0.2		1 2					10	10						┝
4168	4					-				8.d	<u>11. 1</u>	4	5	6.1	103	4	2	6.0	0.3	3	3	6.0	6.0	/	/	49	<i>4.</i> 7	1	1			-	┝
4100_	1					126	129	2	2	101	13.2	3	5		-		<u> </u>			-	-	-	-	-	-	\vdash		+				-	┢
	2									+			<u>+</u>	8.3	13.1	5	5	6.8	9.0	3	3	6.1	6.1	1	1	1	1	1	1	1			1
	3																		9.3		5					44	72	4	4	7.2	72	1	
	4	ļ				-								_				-		_	11	50	6.6	5	6	4.4	62	3	5	5.4	6.8	2	
4169	<u> </u>									0.0	1.0			0.0	0.0		-		0.4	-	-	-	-	-	-	-	-				-		-
	4					-		-		0.3	10 8	2	2	89	8.9	1	1	83	9.4	3	3		11	1		45	50	2	F	5.0	1.11	1	
	1			-	-	82	101	2	2	89	112	3	2	77	9.7	.3	6	84	84	1	1	01	7.3	5	6	5.1	57	2	2	50	5.0	4	-
4170	7-	1			-		10.1		-	0.7	11.0		, J	1 <i>'</i>	1.0		0	0.1	0.1	1	1	1.0	1.0	0	0	0.7	5.1	-	- Ph	0.0	0.0	1	1
	1					119	122	2	2	125	12.5	1	1								200							1					
		99								99	146	4	4										-										
		94				91	10.1	3	4					_	-		-	-	-		-		-	-		-				-		-	-
	4	6.7	122	3	5	<u> </u>		+	-	-						-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	-
4171_	+-	120	120	2	2	120	110	2	/	97	111	2	6		-	-	-				-		1	-			-		-	-	-	-	ŀ
															-			-								-		-				-	t
4264	1	0.5	10.1	04	-	11.7	140	0	0	par.o	10.1					-		-						-	-								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$																																	
	4					-										-																-	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-					-																											
	1					+						-	-				-		0.4	-	0	2.9	11.2	6	6	7.8	7.8	1	1	6.0	0.0		-
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			8.9	4	-																												
	4	1					-	1	-			-						42	115	9	9	48	84	3	4	96	96	1	1				-
4266	1						1	1				1											0.1	-		1	1.0					1	
	1							1		-																					77	1	-
	2						-		-		_	-	_																	-		1	-
	3					 		-		7.3	7.3	1	1	6.1	71	2	2						6.4	2						10	10	-	-
1267	4					-	-				-	-			-	-	-	3.9	3.7	1	/		-	-		3.0	111	3	4	6.0	67	L	-
4207	7				-		-	-	-	83	99	3	4	67	111	3	4	62	86	3	.3	58	67	2	2	62	62	1	1	64	71	2	1
	2													87	118	2	2	66	118	2	2	4.8	8.3	2	2	51	7.2	3	6	60	6.8	2	4
	3											1								1.1						69	69	1	1		-		
	4						-	-	-	-		_	_			_		_		_		-		_	-	6.5	69	2	2	59	73	1	3
4268	+-				-		-		-				-	-		-	-	-		-	-	-		-			7.0	1	1	10	10	2	
	1/2			-	-		-	-	-					-	-			-	-	-	-	4.4	31	,	1	3.1 A.A	1.0	2	4	60	6.5	5	4
	3			-			-	-							-						-	77	TT	1	1								
	4														1									-									
4269				-			-				-	-	_		2	_				-				-	1		-	1					
_	1			-	-		-		-				-		-	-				-													
	2		_	-			-			84	10.6	2	3	-	-	-																	
	34	-	-	-	-	-	-	-		-	-	-	-	-		-	-	6.2	6.5	2	2	6.1	12	2	2	5.9	119	1	1	50	5.0	1	1
	4			-		-	-	-		-	-	-								-		0.1	01	1	1	5.7	6.0	d	d	50	5.0	1	1
																																	-
			1 - 2	ON	-		21.	40	A		41-	60.4	A		61-	804	A		81 - 1	100	AA	1	01.	150	M	1	51-	200	144	20	01 - 1	250	

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each one degree-quadrongle. Each one-degree quadrongle is divided into 30-minute quadrongles, numbered as in the diagram to the right. The columns of these tables give: A - minimum temperature, B - maximum temperature, C - number of years, D - number of days

4	3	
2	1	

OVEMB	ER		,	201	1			40/	1	+	41-	-		+	61 -		· · · · ·		81-1				01-				_	200			01 -		
	1	A	В	C	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	Ð	A	В	С	D	A	В	С	D	A	В	С	C
4270	-					0	10	5 5	9	17	107	6	0	TR	100	Λ		10	01	E	0	1/1	77	2	5								-
	2			-	-			7 10			10.0	9	7	1.0	10.4	4	6	7.5	7.8	2	3	6.1	1.1	5	-								-
	3				-													57	7.5	2	3	5.8	8.8	4	4	56	5.6	1	1				
4244	4				-		-	-	-	50	101	3	3	6.1	8.8	3	4	56	8.4	4	5								1				-
4364	1	-			+	-		-		+								3.3	6.1	8	9	3.9	5.0	2	2	5.4	7.5	4	4				
	2				-	1												4.5	4.5	1	1	4.5	7.7	3	3							_	
	3			-	-	-	-	-		11	10.0	F	E	4.9	4.9	1	1	5.1	5.1	1	1	21	1.17	1	1	5.7	7.6	1	1	7.9	8.3	1	-
4365	4			ł			87	1		6.1	10.6	2	2	5.1	1.3	2	- d_	4.3	60	3	4	0.1	6.1	4	4								+
	2			-		8.3	3 8.4	1	1	8.9	99	3	3					5.3	9.9	6	6	1								_			
	3					-		1	-					96	9.6	1	1						-			ļ							1
4366	1	-			1	+			-	79	110	5	5	99	111	2	2	83	109	4	4	7.3	94	3	3	-	-	-	-				-
	2					1								1	1			62	8.9	2	2	5.9			4		9.9	4	4	6.5	6.5	1	1
	3		_		-	-			-	7.5	8.5	1	1	6.7	10.1	3	3	7.3	11.6	5	5												
4367	4		-				+-		+ +		-			-		-		7.1	11.0	4	4	5.9	10.6	5	7	7.3	8.1	3	3		,		╞
4307	1			5		t	-								-			1-			-	1					-			58	7.3	2	
	3			-				100							1															58	58	1	
_	3	-	-	-	-	+	-	1	-	-	_		-	-	-				-				-								77 77		
4368	4			-			-	-			-		-			-	-	-		-						1.3	1.7	/	3	55	//	3	ŀ
	1							1								-		-				6.3	63	1	1	4.7	71	3	4	6.6	6.7	1	
_	2	-		-	-	+	-	-	-	-	-		-	-	-			8.9	90	2	2	6.3	6.3	1	1					5.0	50	1	-
	3	-	-		-	+	-	-	-	-	-	-	-	98	98	1	1	88	88	2	2	77	90	3	5			4	1				-
4369	12							1					1	1.0	7.0		ŕ	00			-									-		_	
100	1	1			-		_	-		-				-		-									1								-
-	2	-	-	1	+	+		-		-	-	-	-	7.8	8.2	2	2	7.1	7.1	1	1	6.2	8.3	3	3	4.9	7.1	2	2	6.1	6.1	/	+
4370	~						1.1														1	U. ex	.0.04	1		1.1	1. 1	1	1				
	1					12:	2.12.	21	1									8.8	88	1	1	7.0	86	2	3								
4464	3	-	-	-	-	+	-		-	5.5	9.7	7	13		-	-	-		-	-			-						-	-			╞
4404	1					1	-	-	1						-			39	3.9	1	11	3.3	3.9	2	2		-	1		-			+
4465						-	1			-					_	_							_		_			_					
1.11	3		-	-	-	-	•	1	-	94	94	1	1	19.0	9.0	1	1	9.3	93	2	2	-	-	-	_	-		_		_			-
4466	1	85	8.5	1	1	84	19.3	32	3	84	9.4	2	12	7.8	7.8	1	1	82	11.1	5	5	99	107	2	2	6.4	89	4	5	7.8	7.8	1	-
	2					T												102	106	2	2	7.2	11.2	2	3	88	10.6	2	3				
	3	-	-			-		1		0.1	94	,			-	-		0.0	100	-					5						H/		
4467	4			-	1				-	74	74	-	1	-		-		7.0	109	3	4	7.9	106	ى	5	6.3	0.2	3	4	76	7.6	1	1
4407	1			1	1									81	8.9	1	2	100	100	1	1	7.0	8.4	2	3	5.9	61	1	2	5.8	58	1	
-	2	-	-	-		-	_	-									-	88	8.8	1	1	7.2	79	1	1	6.5	65	1	1	_			
4468	3	-	-		-	+	•	r T	-		-			10.2	10.2	1	1	10.0	10.0	1	1			-	-	-	-	-	-		-	-	-
4400	1					1	-	1	-							-		7.9	7.9	1	1	7.7	7.8	2	2		1						
4565				-		-			1						1															-	-		
-	1		-			96	6 9.6	1	1		10.6							01	01	1	,		-		-	-		-	-				-
4566	R.	-			-	+	-	-	-	10.1	10.1	1	1	7.6	7.6	1	1	7.6	9.6	1	1			-	-	-	-				-	-	-
	1					1	-	1		94	9.4	1	1															-				1	
	-	-	-	-		-	-	-	-	-	_		-				-	-	1	-	2	-	-	-	-	-	-	-	-	-		-	-
	-	-	-	20 N	1	-		40/	-	-	41-		-	-	61-	-	-	-	-	100	-	-	-	150	-	-	-	200	-	-	-	250	-

KEY The four-digit numbers in the column on the left give the latitude and longitude of the southeast corner of each one degree quadrangle. Each one-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tobles give: A-minimum temperature, 8-maximum temperature, C-number of years, D-number of days



DECEMBE	ED		1-1	20 ^	۱		21 -	_		<u> </u>	41-	_			51 -				31-1	00/	N	1	01 -	150	Μ	1	51-	200	M	2	- 10	250	M
DECEMBI	L, K	A	В	С	D	A	В	С	D	A	8	C	D	A	8	С	D	Α	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
3969										Ļ				ļ																			
0.071	4																													//.7	11.7	/	
3971	3	-				\vdash			=	-												1.3.2	132	1	1	11.3	11.3	1	1				-
	4						-			-															1								
3972						_																											<u> </u>
	1						-								100	-		1/ 0	1.4.0			10.0	1.20		0	109	10.9	1	1				
	22						-	-		-				11.1	129	2							13.9		3	112	11.2	1	1				-
	4						-			9.0	11.7	4	4	85	144	.5	5	11.2	11.2	1	7	9.4	10.1	2	2	11-0	11.00	1	+ '				1
3973																																	
	1									9.8	112	3	3	9.2	10.3	2	2														_		_
	2						11.1			0.1	127	-	2	100	107	1	0															-	
	$\frac{3}{4}$								35		3.3	2	a	10.d	10.6	~	à																+
3974	Ĺ							1	00	1—				1-								-											
		8.1				8.3	85	1	1																								
		7.9						1		-																			-				
10//	3	79	9.3	2	2	-		1		-							-				-					-							
4066	4								1					-				7.3	7.3	1	1	5.8	6.2	1	1	-							1
4067	7								1																			1	-				-
	2							-												ļ					1		13.5	2	3			-	
	3					-	-		<u> </u>		1.0				140	1		7.3	7.3	1	1	56	136	2	2	0.0	0.0	,		5.2	5.2	1	1/
4068	4					-	+		-	6.d	62			17.6	14.3	4	6	7.2	14.0	3	3	87	87	1	1	7.0	7.0	1					-
4000	7						i		1	+		-	†								İ.		79							1—			
	2																					96	96	1	1	5.9	10.9	3	3				
	3									62	129	4	4	113	113	1	1	13.2	13.2	1	1	<u> </u>							-	ļ		-	_
10/0	4					-	-		-	8.2	9.7	3	3	82	13.2	4	5	7.0	79	2	2		-					-	-				+
4069	-	<u> </u>				\vdash	1	-						109	109	1	1	119	119		1	117	117	1	1	121	121	7		1		-	
	2		-			-		1	-				1.										152				,,						
	3						-				174							8.2	8.9	2	2			ĺ						-			
1070	4	<u> </u>				61	84	2	2	62	121	5	7	8.1	95	2	2	<u> </u>								-						-	-
4070	1					-		+	+	-				119	16.1	3	3	1.74	157	2	7	82	147	4	6			-	-				-
	2						1	1		\vdash			1	1									8 139			-				10.1	10.1	1	1
	3					7.9	9.4	2	2	54	121	5	7	129	142	2	2					-	-										
	4					-		-	1	7.6	11.7	7	10	7.3	14.7	8	9			<u> </u>	-												-
4071	1									-				123	1.1.1	1	2	92	15.0	1	0	00	124	2	5	91	117	2	3	91	100	2	1
	2													10 2	147	3	4	8.8	14.5	4	5	7.8	12.3	2	2	1.1	11.1	0	5	1.1	10.0	oh	-
	3										126		9	9.1	15.3	4	6																
	4					8.1	9.3	.2			11.1										-												
4072	1					-				0.0	0.4		1	10-	1114	2	1						1							-		-	
	2			-		-		-		19.0	94 129	4	.5	10.3	105	3	4					-				1		-				-	-
	2 3	-				7.6	9.3	2			11.7			105	10.5		1					1	-									1	
	4										12.8																						
4073											10.0	-	-	1.4.4					-			-							-				
• • • • • • • • • • • • • • • • • • • •	1									84	12.8	2	2	144	14.4	1	1	-								-			-			-	-
	2 3	-					9.7						-			-			-		-					-							-
4074						-								1_																			
	4				_													8.3	8.3	1	1	9.0	9.0	1	1		-	-	_			-	-
		-														80/			81 -									200				250	I

KEY The four-digit numbers in the column on the left give the latitude and langitude of the southeast corner of each ane degree-quadrangle. Each ane-degree quadrangle is divided into 30-minute quadrangles, numbered as in the diagram to the right. The columns of these tables give. A - minimum temperature, B- maximum temperature, C- number of years, D- number of days.

N



DECEMBI	FR		_	201		+	21 -				41-	_		<u> </u>	61 -					100/		<u> </u>	01-	150	M	1	51-	200	M	2	01 -	250) M
DECEMBI		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4166									<u> </u>													-	-			_							
	1	<u> </u>	1			ł—											-					57	107	2	2	4.8	4.8	1	1				
	2				-		-	-						66	89	4	4	60	112	4	3	4.9	51	2	2				-				-
	3	-				+-	+						_							2		ł			-	+			-				-
4167_	4	-										-	·····	62	0.6	3	6	6 /	1.1	-	~												+-
4107_	17					ina	ina	1	1	68	IDR	5	6	89	95	2	3									<u> </u>							┢
	2	1	<u> </u>		†	78	106	4	5	7.6	107	6	7	60	88	.3	3		<u> </u>		-	-			-	1			-	- 1			
	3	-	1		1				1												-	†			-					- 1			t
	4				1	68	83	3	4	6.9	8.0	4	5	7.3	7.3	1	1	74	7.4	1	1	1				-				1			t
4168																				1													1
	1					7.8	96	2	2															·									
	2									7.6	10.2	5	5	72	8.4	6	6	63	8.4	3	3	6.1	6.7	3	3	-							
	3					<u> </u>			ļ	7.8	7.8	1	1	6.9	7.7	3	3	6.8	7.7	4	4	6.3	6.7	2	2	4.8	7.2	2	2	5.1	5.7	1	
	4	 			ļ				<u> </u>							-		5.2	7.1	2	2	5.1	6.2	2	2	4.5	7.2	5	7	-			-
4169	<u> </u>	<u> </u>				110	11.2			5.0	0.0						-												-	<u> </u>			
	4								1					8.1	8.1		/		-			3.6	6.8	4	4	61	6.1	/	1	┼──			+-
	2				÷	57	12	d	2	67	67	/	1	-		-	-			-	-		11	-		A 17		1	A	1			+
	$\frac{3}{4}$		1		+	72	7 3	1	1	17	79	A	6	71	79	2	1.	71	71	2	2	61	6.1 / B	1	1	4.1	6.1	4	4	6.0	60	/	-
4170	14					1.0	10	· ·	1	0.1	1.1	7	-	1.1	1.1	5	7	1.	1.1	~	~	101	6.0	ant.	đ	7/	O.al	5	5		1		\vdash
417.0	12	81	92	2	2	44	104	4	7	71	88	.3	4			-				-		\vdash	-				-	-	+		+		+
	3	6.1	78	1	2	6.1	83	1	2	83	83	1	1		-		1			-		<u> </u>	1		<u> </u>			-	-	1	1		t
	4	3.9	83	3	3	5.1	64	1	1			Ċ	-			-	-												1				t
4171	1															1			i i				-		-		-		-				1
	1					5.6	98	2	4	7.2	122	6	8												-					[Ī
	2	8.7	8.7	1	1	6.2	7.8	4	5	7.8	114	4	4																				
4264_					ļ									ļ					L		-					-					ļ		
	3				ļ	L		-															3.9		1		-						
	4		ļ					-	-					_								30	66	3	3	I				1			
4265	+	-		<u> </u>					-								-				<u> </u>		2.0			<u> </u>		-	<u> </u>	-	-		-
	14		-		+	+	-					-		-				0 1	01				3.8		1					10	10		-
	2				+	+—			1												-	57	1.0	3	3				-	6.7	69	1	-
	3					+										-				/		48	4.8	1	1		-						-
4266	17					1-	+					-					-	57	<u>UT</u>	- J	0	70	7.0	1	1	\vdash			-	-	-		+
4200	17					<u>†</u>	1	+	1			-											-			77	7.7	1	1	6.6	73	1	
	2	-			-	1-	1								-			60	6.7	3	3	8.1	81	1	1				1		6.8		
	4					1	1		i														5.1			4.2	4.2	1	1				
4267						I –			1																								
	1																	7.2	72	1	1						7.8						
	2					1	1			6.8	7.1	2	2	7.2	7.2	1	1									7.2	7.8	2	2		7.6		-
	3	-					-	1								-													-		7.9		4
	4	-					1	-																						6.1	6.2	2	-
4268			-		-	-		-								-		-	-			-				4.9	MM	2	2	-			-
	$\frac{1}{2}$	-			-	-	-	1						_							-								3			_	-
	3	-	-	-		1-			-						-								-			5.3					-		-
	4	-	-	-	-	1-	-									-		-	-	-						50	7.3	2	2	51	6.2	2	
4269	T				-	1-		1	1									-										~				-	-
	1					1-									-						-	56	6.7	2	2	5.6	60	2	2				
	2					1																	64		1					4.8	6.2	4	4
	3						1																			6.5			1	6.8	6.8	1	
	4																									6.4			1	6.2	62	1	
	-								-																								
			1																														
			1 1	20 N			21	401	4		41	601	4		61-	001	4		01	100		1 1	0.1	150		1	51 -	200		1 20	01 - 3	250	

 $\begin{array}{l} \mathsf{KEY} \\ \mathsf{result} \\ \mathsf{$



DECEMB	. D		1-:	20 M	٨		21-	40/	N		41-	601	٨		61-	80 M	A	8	81-1	00/	M	1	01-	150	M	1	51-	_			01-1	250	M
DECEMBI		A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D	A	В	С	D
4270						-				7.1	01	4		71	71		,					1/2	12		- ,	11	1	,	1				_
	12				-	7.1	11	1	1	72	73	1	2	12	67	1	1				-	6.3	63	1	1	61	61		-				
	3									79	83	1	1	7.2	8.3	2	3	6.8	82	2	2	63	79	2	3								_
	4					69	7.3	2	2	71	84	1	2	4.5	68	3	3	4.9	4.9	1	1							_					
4364	-										-	-						5 /	El		-	2 1	50	1	2	20	38	1	1				
	2					62	62	1	1	-								56	36	/		20	36	2	2	50	0.0			-			_
4365	1				1	10.00								1																			
	1							ļ			_								40	_/_	1			-						_			
	2	7.2	71	1	1			+	<u>+</u>	61	61	1	_/_	83	8.3	_/_	/					2.4	3.0	d	d								-
4366	5	C. al	1. d	/	1	+	-		-		-			- 1			-																
4 9 0.0	1									1				73	73	1	1				1	7.9	79	1	1				ļ.,				_
	2					<u> </u>				117	6.7			62	62	1	1	52	52	1		48	5.2	2	2					-			
	3				-					67	67	1	1	177	10		d	50	78	2	.3	52	52	1	1								
4367	T	<u>†</u>	-							-				1	-			0.0	10									1		L			
	2	1													1				-			-		1		5.9	5.9	1	1	_	60		_
	3			-									-			-					-		-			-	-				5.7		
4368	4			1		+				<u> </u>			-		-		-	<u> </u>	-		-			1				1		0.0	51	CP4	-
4000	7				-		-																				6.0						
	2								+				-		0.0						_	82	8-	1	1					49	50	1	1
	3		-					-	-			-	-		8.3 59			-				79	8.3	1	1		61						F
4369	4	+		-	-							1		4.7	51	æ	~				-	1											5
	2		• •				-																		1	5.2	6.2	2	2	-		_	
	4	36	4.9	1	3						-			<u> </u>	-			-	-	-	-	53	66	2	3	-	-			-	-	-	-
4370	$\overline{1}$			+	-		+		+	6.8	8.4	1	2	69	8.3	.3	.3		-		-	6.3	63	1	1	5.0	50	1	1		-	-	
	2	1	-	t	-	+	+	-		00	0.4	04	<i>a</i>	10.7	0.0		0		70	2	2		0.0										
	3	45	54	1	1	1_				42	84	11	15		1	-	-			-		-	-	-	-)				-	_	-
4464	1,-				-	+		-		+		-	-	130	2 5 0	2	2	43	4.3	1	1	-	-	-	-	-		-	1		-	-	-
4465	1/		-	-	-	+	+	+	Ì	+			-	5.0	3.0	1	~	7.0	7.5	1	-				-	1							T
	4	1				6.1	6.1	1	11					7.2	7.6	2	2	74	75	1	2	77	7.7	1	1	-							
4466	<u> </u>		-		-				-	-	M 7		1	+		-		7 1	1	,	,	11-	1 101	2 2	2	79	01	2	2		-	-	-
	$\frac{1}{2}$	-	7.2		2	67	1.5	1	1		5.9				-		-		72				100	2	2	7.3	179	1	2	79	7.9	1	t
	3	+		1	1		i.	1	1	7.7	0.1	-	-	1			1	67	78	2	4	7.2	7.8	2	2						-		
	4		1				1		1				-			-		7.1	7.2	1	1	7.3	10.3	2	2	57	8.4	3	3	7.9	99	2	-
4467	1		-	+	-	-		-	-	-		-	1	60	73	2	9		-	-	-	5	63	2 2	2	-	-	-	-		-	-	F
	12	-			-	t	1		-	52	52	1	1	57	13	d	-					5.3	353	3 1	1	6.3	63	1	1	52	5	1	1
	3	1			1		-							71	7.1	1	1	72	7.2	1	1					-		r F		-		_	
4468	+		+		-	-	1		-	HA	HA	1		-	-			-	1-	-	-	-	-	1	-	-	-	1		-	-	-	-
	2	+	-	-		-	-	L	-	19	79	1	/	59	59	1	1	49	49	1	1		1	1	1	1							
4565	a				1			1	1					1	-	-	1.	1					1	-	1			-				_	
	1						-	1		6.7	71	1	2	6.7	67	1	1	-				-	+	-	-			-	-	-	-	-	-
	2	1-	-	-	+	-	-	+-		-	-	-	-	7.2	74	- /	2	14	74	1	1		-		1	-	-		1				1
	1			-			T	-	+	1	1									1.5	1				1		1		1		1		
			1					-	-		-	-	-		-		-		-	-	-		-	-	-	-	5	-	-	-	1	-	
	-	-	-			+	-	+	1-	-	1	-	-	+	+	-	-				1		1		1		-	-	1	1			t
	-	1	1.	201	4	1	21.	40		1	41-	60		1	61.	80	AA	1	81-	100	144	1	01-	150	M	1	51-	20	0.44	2	01 -	2.50	N



- 349. Use of abstracts and summaries as communication devices in technical articles. By F. Bruce Sanford. February 1971, iii + 11 pp., 1 fig.
- 350. Research in fiscal year 1969 at the Bureau of Commercial Fisheries Biological Laboratory, Beaufort, N.C. By the Laboratory staff. November 1970, ii + 49 pp., 21 figs., 17 tables.
- Bureau of Commercial Fisheries Exploratory Fishing and Gear Research Base, Pascagoula, Mississippi, July 1, 1967 to June 30, 1969. By Harvey R. Bullis, Jr., and John R. Thompson. November 1970, iv + 29 pp., 29 figs., 1 table.
- 352. Upstream passage of anadromous fish through

navigation locks and use of the stream for spawning and nursery habitat, Cape Fear River, N.C., 1962-66. By Paul R. Nichols and Darrell E. Louder. October 1970, iv + 12 pp., 9 figs., 4 tables.

- 356. Floating laboratory for study of aquatic organisms and their environment. By George R. Snyder, Theodore H. Blahm, and Robert J. Mc-Connell. May 1971, iii + 16 pp., 11 figs.
- 361. Regional and other related aspects of shellfish consumption some preliminary findings from the 1969 Consumer Panel Survey. By Morton M. Miller and Darrel A. Nash. June 1971, iv + 18 pp., 19 figs., 3 tables, 10 apps.

UNITED STATES

DEPARTMENT OF COMMERCE ATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL MARINE FISHERIES SERVICE SCIENTIFIC PUBLICATIONS STAFF ROOM 450 1107 N.E. 45TH ST. SEATTLE, WA 9B105 OFFICIAL BUSINESS

FOURTH CLASS

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE COM-210



Marine Biological Laboratory S Library - Portodicals Woods Hole, Ma 0, 943