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NWC TP 4143
Part 4

STORAGE TEMPERATURE OF EXPLOSIVE HAZARD MAGAZINES

Part 4. COLD EXTREMES

by

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ABSTRACT. Storage magazine temperature measurements (34,607 data points) from Alaska, Washington, Maine, Newfoundland, and Iceland are under study. This data collection is for the purpose of establishing a temperature criterion by statistical methods for ordnance stored in explosive hazard magazines.

This report is the fourth of the series of reports which will cover explosive hazard magazine storage temperatures throughout the world. This report includes 37 figures and 31 tables.



NAVAL WEAPONS CENTER
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M. R. Etheridge, Capt., USN Commander
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FOREWORD

This report is a continuation of the work accomplished by the former U. S. Naval Ordnance Test Station (NOTS), China Lake, California, covered in NOTS TP 4143, Part 1, American Desert, Part 2, Western Pacific, and Part 3, Okinawa and Japan. The effort described herein was undertaken by the Naval Weapons Center (NWC), China Lake, California, to determine the valid temperature environment of ordnance stored in "explosive hazard magazines" located in Alaska, Washington, Maine, Newfoundland, and Iceland.

It is expected that there will be sufficient interest generated among ordnance designers to warrant continued work in the study of storage temperatures in other areas of interest such as sub-tropic, African Desert, etc. This is the fourth in a series of reports.

This work was supported by Task Assignment Number A33-536-711/216-1/F009-06-01.

This report has been reviewed for technical content by Warren W. Oshel.

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Special acknowledgement is due Mrs. Ruth Massaro who has generated, via computer equipment, the pertinent graphs and statistics presented in this report.

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INTRODUCTION

Environmental temperature criteria are a major controlling factor in the design of all types of ordnance. However, the accepted temperature criteria, as set forth in Military Specifications, may be such that there are ordnance that actually meet the needs of our Naval services and yet have failed over-strenuous qualification requirements. If accurate knowledge of the thermodynamic interplay between the atmospheric temperature and the ordnance hardware temperature is known, more realistic design criteria can be assigned. It is therefore important that the actual temperature environment of ordnance be investigated to determine realistic limitations of thermal exposure relative to in-fleet service. Realistic qualification tests can then be formulated to simulate the known service conditions. Accomplishment of the foregoing suggestions can then be used to either (1) authenticate the existing Military Specifications or (2) make more realistic the criteria set forth in those specifications.

The first three parts of this report, American Desert, Western Pacific, and Okinawa and Japan, have documented the hot portion of ordnance exposure. It was found that in the igloo and rudimentary covered storage situations, the Mil-Std high temperature of 165°F was not realistic. It is shown in this report, Part 4 of the series, that the Mil-Std low temperature of -65°F is likewise unrealistic since it has no basis in fact. This statement is supported by temperatures recorded in various storage structures stationed at eight widespread cold zone ammunition storage installations.

SCOPE

This report covers a comparatively small area of the storage environment of explosive ordnance. Storage temperatures (data points) were obtained from Naval facilities located in Washington, Alaska, Maine, Newfoundland, and Iceland, in order to study temperatures within storage magazines. These data were obtained by the personnel at the Naval Ammunition Depot (NAD), Bremerton, Washington; the Naval Air Station (NAS), Seattle, Washington; the U.S. Army, Fort Richardson, Alaska; and Naval Station (NS), Kodiak, Alaska; the Naval Station (NS), Adak, Alaska; the Naval Air Station (NAS), Brunswick, Maine; the Naval Station (NS), Argentia, Newfoundland; and the Naval Station (NS), Keflavik, Iceland, for use in their ammunition safety programs.

The data reported herein are comprised of the measured air temperatures inside the described structures only. Any ordnance stored in these structures cannot be expected to thermally follow the variations

in temperature of the enclosed air. The difference in mass between the air and ordnance can be expected to prevent this. Therefore, any temperatures herein reported can be treated as "conservative" for ordnance stored in these explosive hazard magazines. (In general, the temperature of the ordnance hardware will tend to follow the mean daily air temperature within the storage structure rather than the maximum and minimum recorded air temperatures.)

BACKGROUND

This study in magazine temperature is the fourth of the series which will cover worldwide storage magazine temperatures. Part 1 covered the desert regions of the Western United States; Part 2, the tropics of the Western Pacific; Part 3, Okinawa and Japan. As is true with the storage temperature data acquired for Part 1, Part 2, and Part 3, data from Alaska, Washington, Maine, Newfoundland, and Iceland are available because of the requirements set forth in the Navy Bureau of Ordnance Publication, OP5, "Ammunition Ashore, Handling, Storing and Shipping", which defines a requirement for the maintenance of magazine air maximum and minimum temperature records, with the exception of the data that have been acquired from the Army post at Fort Richardson.

INSTRUMENTATION

The magazine temperature data were obtained through the use of "horseshoe" maximum and minimum mercury thermometers. These thermometers are equipped with steel "tattletale" devices that float on the mercury and remain at the highest and lowest temperature positions reached during the measurement period. The ordnancemen reset the tattletales with a magnet after reading the indicated maximum and minimum temperature for the measurement period. The manufacturers of the thermometers (Taylor, Weksler, and Moeller) warrant that the temperature readings are accurate to within 2°F at the time of delivery. These thermometers are in general mounted on the inside forward face of the back wall of the storage magazines at about eye level (standard procedure).

Nonstandard magazines, such as buried transportainers, may not allow the placement of the thermometers at the standard locations within the magazine. Thermometers have been observed to be mounted on boards, or even bare, and situated for convenience even in "standard" types of magazines.

METHOD OF DATA RETRIEVAL AND REDUCTION

All available storage magazine temperature data from the NAD, Bremerton, Washington; NAS, Seattle, Washington; Fort Richardson, Alaska; NS, Kodiak, Alaska; NS, Adak, Alaska; NAS, Brunswick, Maine; NS, Argentia, Newfoundland; and NS, Keflavik, Iceland, were collected and sent to the Analysis Branch, Propulsion Development Department at NWC. The raw data were reduced to meaningful statistics. The significant points of interest for each location were tabulated. These were (1) the number of temperature measurements collected, (2) the number of measured temperatures less than or equal to 20, 10, and 0°F for each month, and (3) the average maximum and the average minimum temperature for each month.

The raw data input consisted of summary sheets of the maximum and minimum temperatures organized by magazine area, magazine type, and the date of the readings. The information on the summary sheets was transferred to IBM punchcards. A computer was then used to reduce the information into the statistics previously mentioned. The steps by which the raw data were processed are explained in detail in Appendix A. (The descriptions of the magazine classifications pertinent to this report are given in Appendix B.)

RESULTS

A summation of the temperature readings less than 20, 10, and 0°F from both earth-covered and non-earth-covered magazines located in Washington, Alaska, Maine, Newfoundland, and Iceland is presented in Table 1. The detailed monthly breakdowns from which the data in Table 1 were summarized are presented in Appendix C.

The results presented in Table 1 give an indication of low temperatures to be expected in explosive hazard magazines located in cold regions. It must be remembered, however, that the apparent differences in temperature between locations is, to some extent, due to the construction of the individual storage magazines.

The average maximum and minimum temperatures of each month for the eight magazine sites are shown in Fig. 1 through 14. Figures 1, 2, 4, 6, 8, 10, 12, and 13 are the data reported from earth-covered explosive hazard magazines at these various locations. Figures 3, 5, 7, 9, 11, and 14 are the data reported from the non-earth-covered magazines. The upper lines in Fig. 1 through 14 represent the monthly observed average maximums and the lower lines represent the observed average minimums.

TABLE 1. Data Summary by Station and Magazine Type.

Storage locations	Magazine type	Months ^a	N ^b	No. of minimum temperatures less than or equal to			Minimum recorded temperature, °F
				20°F	10°F	0°F	
Naval Ammunition Depot, Bremerton, Washington	Earth-covered	31	4,191	0	0	0	25
Naval Air Station, Seattle, Washington	Earth-covered	18	321	0	0	0	31
	Non-earth-covered	18	159	0	0	0	28
Fort Richardson, Alaska	Earth-covered	67	1,405	29	0	0	18
	Non-earth-covered	67	1,396	339	110	10	-9
Naval Station, Kodiak, Alaska	Earth-covered	8	265	3	0	0	20
	Non-earth-covered	14	585	25	0	0	12
Naval Station, Adak, Alaska	Earth-covered	93	4,839	74	2	0	10
	Non-earth-covered	93	5,815	279	19	0	6
Naval Air Station, Brunswick, Maine	Earth-covered	24	8,551	78	4	0	2
	Non-earth-covered	24	4,171	510	196	24	0
Naval Station, Argentia, Newfoundland	Earth-covered	30	1,444	33	0	0	13
Naval Station, Keflavik, Iceland	Earth-covered	32	882	29	4	0	8
	Non-earth-covered	32	583	146	24	0	4

^a Length of time in months.

^b Number of data points represented in the sample.

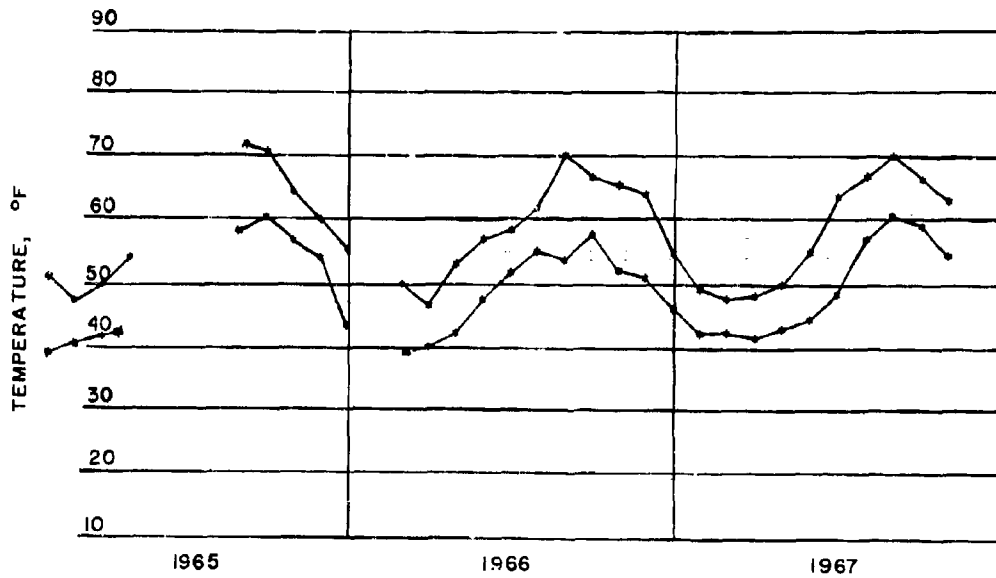


FIG. 1. The Average Maximum and Average Minimum Temperatures of Earth-Covered Magazines at NAD, Bremerton, Washington.

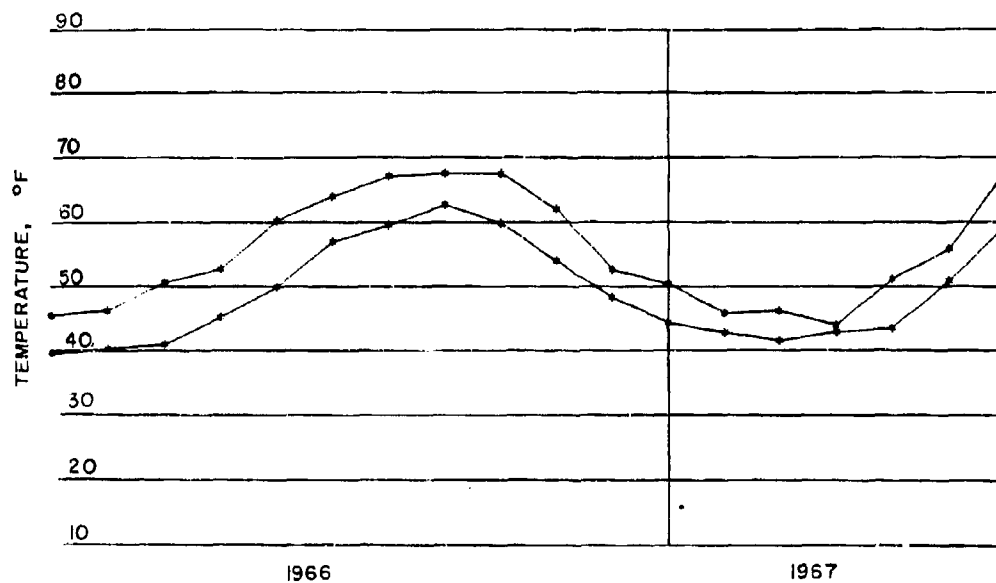


FIG. 2. The Average Minimum and the Average Maximum Temperatures of Earth-Covered Magazines at NAS, Seattle, Washington.

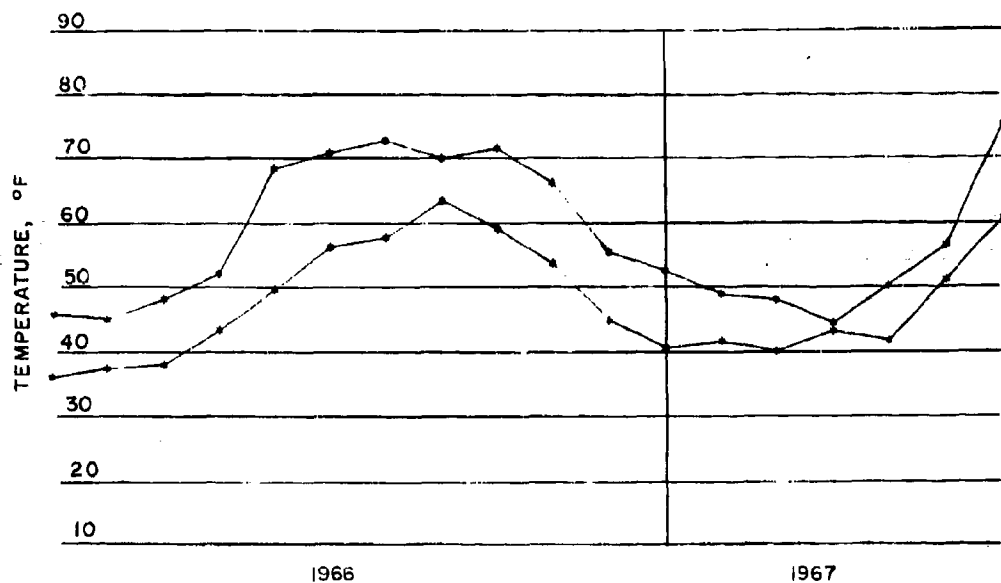


FIG. 3. The Average Minimum and the Average Maximum Temperatures of Non-Earth-Covered Magazines at NAS, Seattle, Washington.

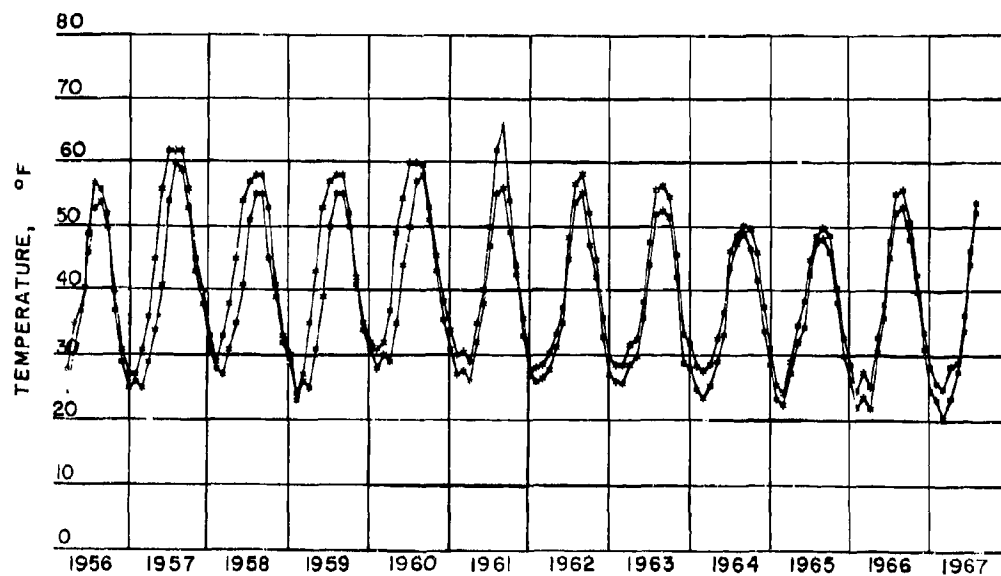


FIG. 4. The Average Minimum and the Average Maximum Temperatures of Earth-Covered Magazines at Fort Richardson, Alaska.

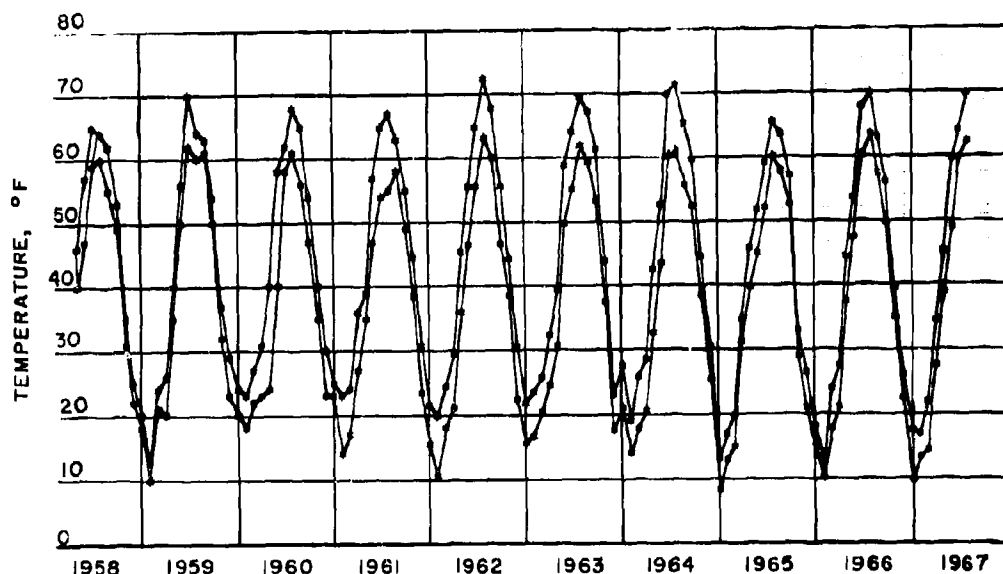


FIG. 5. The Average Maximum and the Average Minimum Temperatures of Non-Earth-Covered Magazine at Fort Richardson, Alaska.

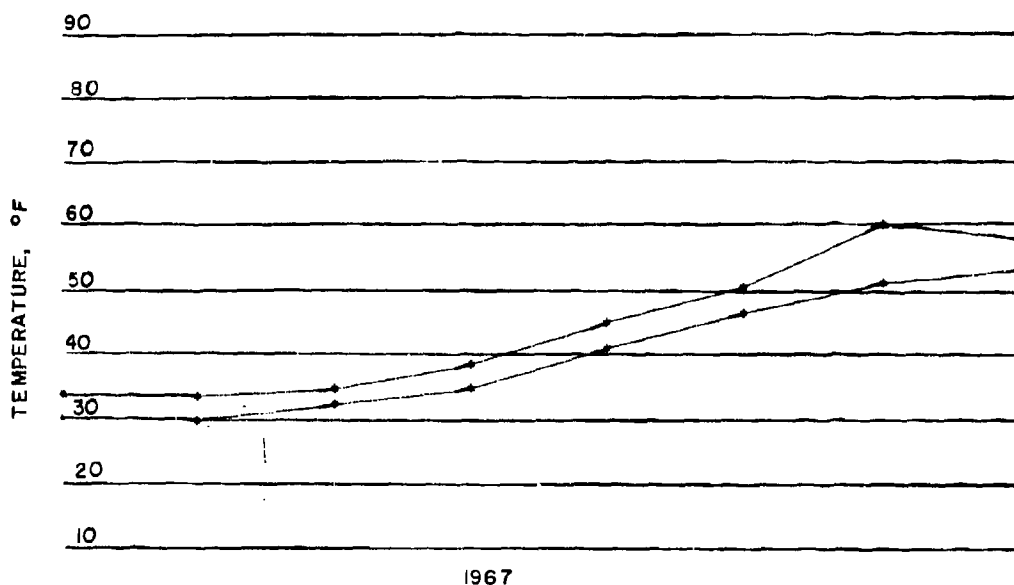


FIG. 6. The Average Maximum and the Average Minimum Temperatures of Earth-Covered Magazines at NS, Kodiak, Alaska.

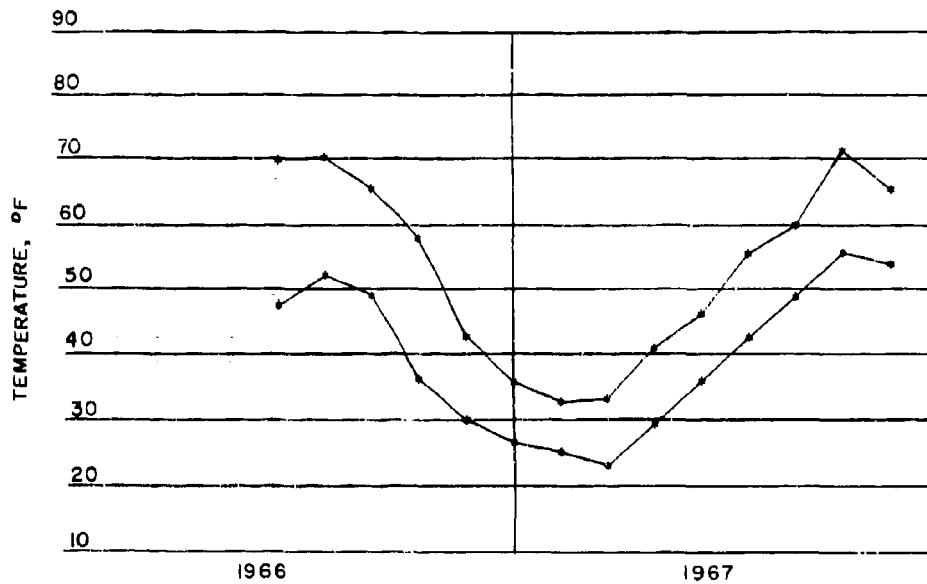


FIG. 7. The Average Maximum and the Average Minimum Temperatures of Non-Earth-Covered Magazines at NS, Kodiak, Alaska.

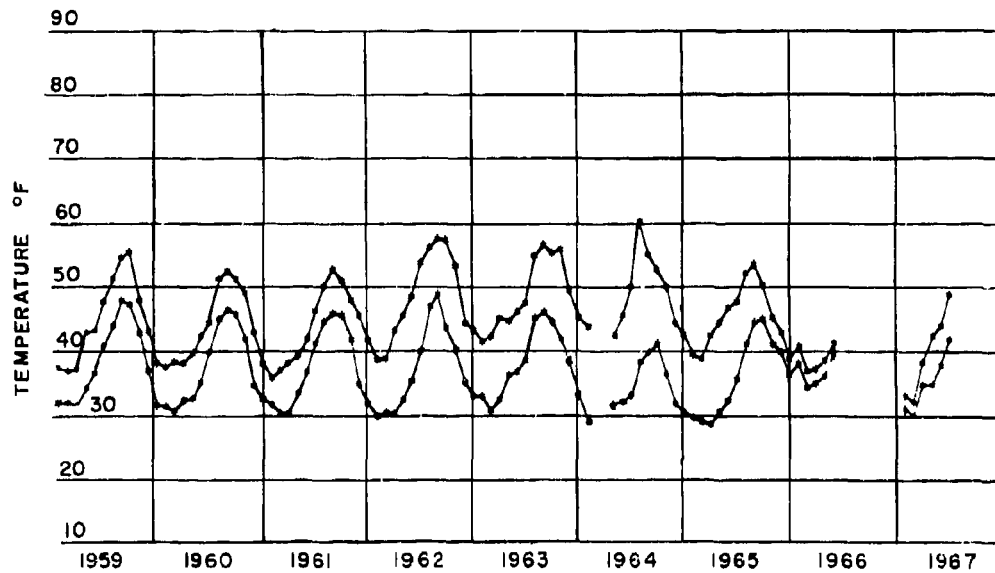


FIG. 8. The Average Maximum and the Average Minimum Temperatures of Earth-Covered Magazines at NS, Adak, Alaska.

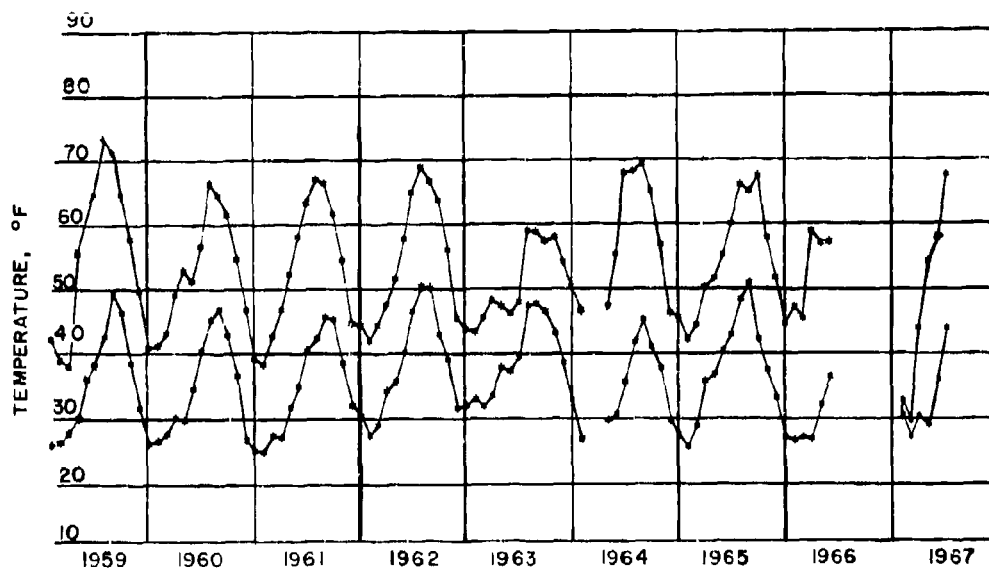


FIG. 9. The Average Maximum and the Average Minimum Temperatures of Non-Earth-Covered Magazines at NS, Adak, Alaska.

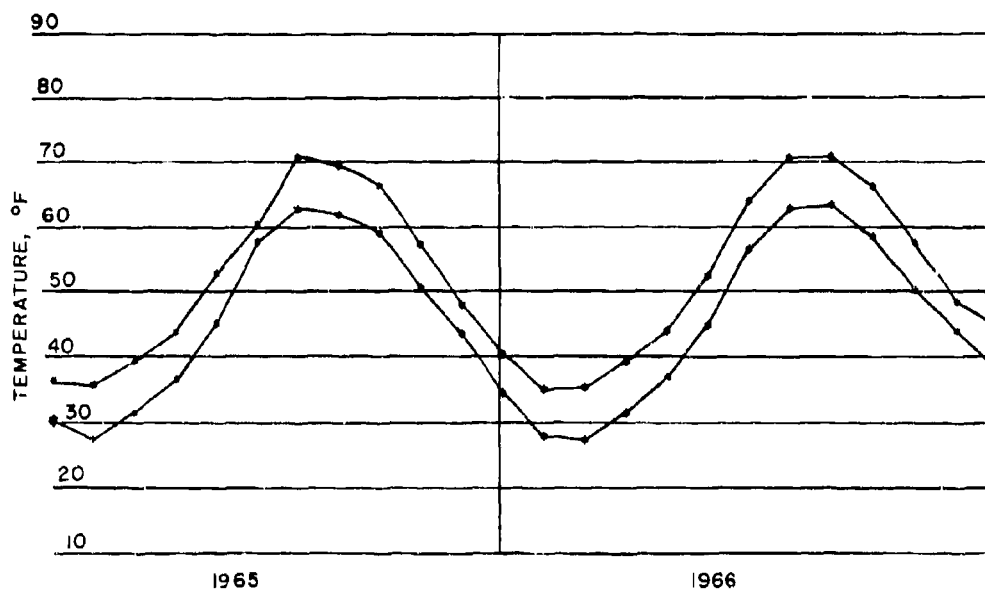


FIG. 10. The Average Maximum and the Average Minimum Temperatures of Earth-Covered Magazines at NAS, Brunswick, Maine.

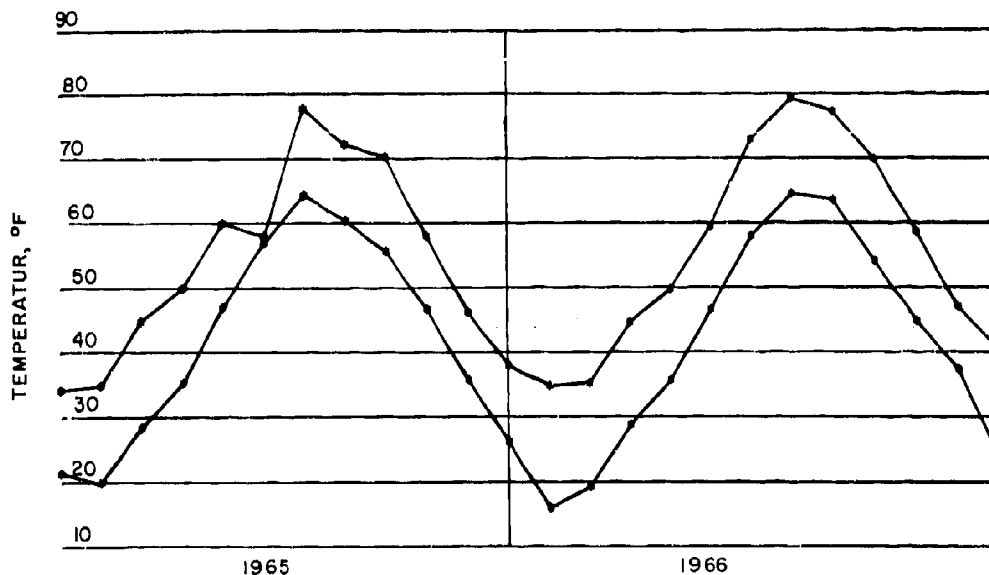


FIG. 11. The Average Maximum and the Average Minimum Temperatures of Non-Earth-Covered Magazines at NAS, Brunswick, Maine.

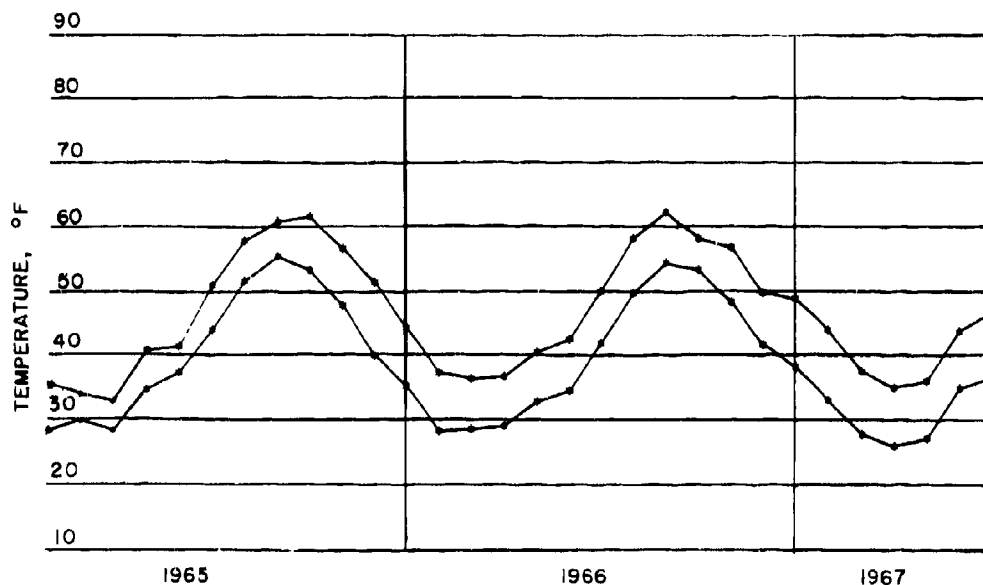


FIG. 12. The Average Maximum and the Average Minimum Temperatures of Earth-Covered Magazines at NS, Argentia, Newfoundland.

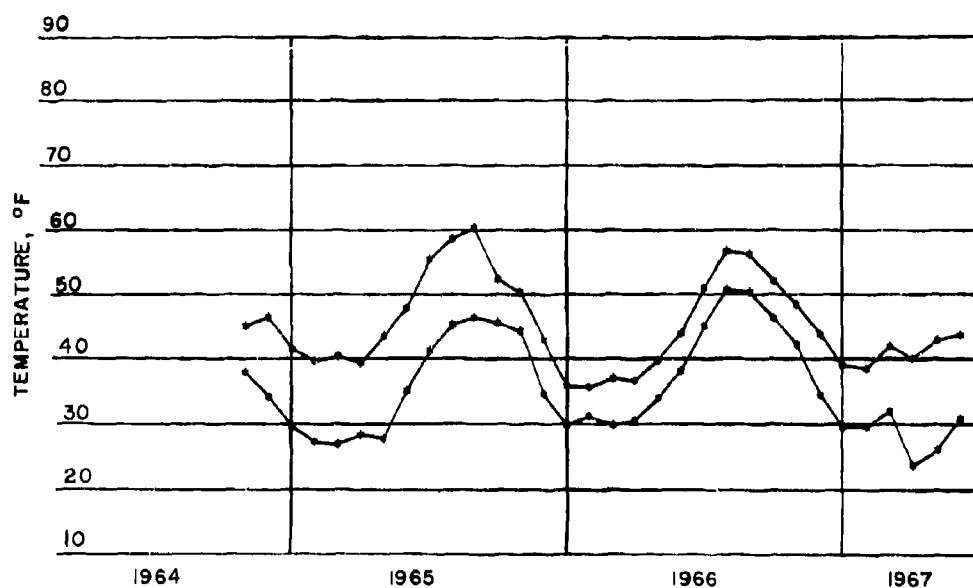


FIG. 13. The Average Maximum and the Average Minimum Temperatures of Earth-Covered Magazines at NS, Keflavik, Iceland.

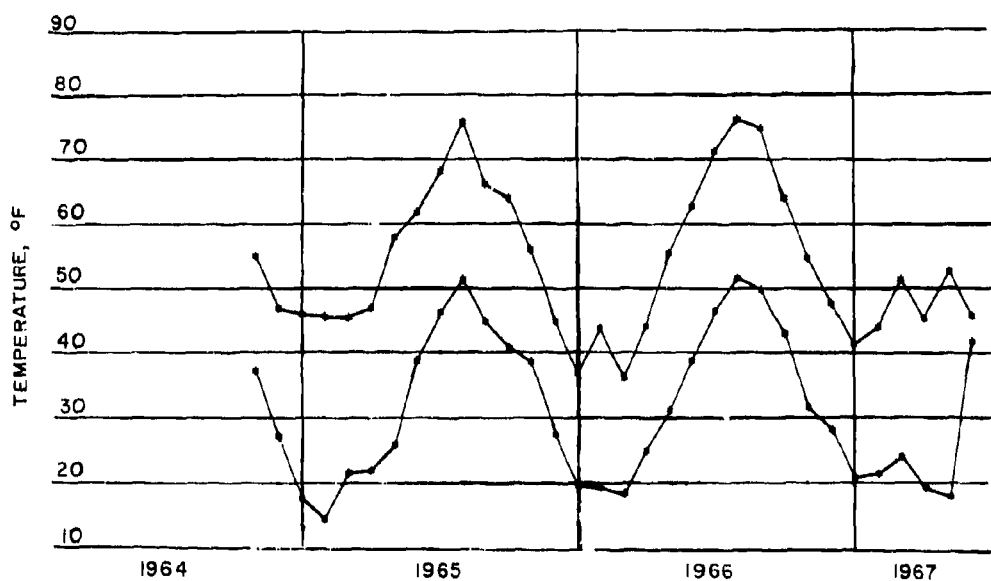


FIG. 14. The Average Maximum and the Average Minimum Temperatures of Non-Earth-Covered Magazines at NS, Keflavik, Iceland.

Figure 1 includes the years 1 January 1965 through 31 October 1967 for the NAD, Bremerton, Washington. Data were missing for the months of May 1965, July 1965, and January 1966.

Figures 2 and 3 include the years 1 January 1966 through 31 June 1967 for the NAS, Seattle, Washington.

Figure 4 includes the years March 1956 through July 1967 of earth-covered magazines for the U. S. Army, Fort Richardson, Alaska. Although these data appear to be extremely significant since a complete 11-year solar cycle is encompassed, it must be pointed out that the earth-covered magazine temperature from 1956 through 1961 are monthly averages only. Similarly the non-earth-covered magazine temperatures from 1958 through 1961 are monthly averages. Daily temperature measurements for these latter two periods were not available.

Figure 5 includes the years April 1958 through July 1967 of non-earth-covered magazines for Fort Richardson, Alaska.

Figure 6 includes the time interval January 1967 through August 1967 of earth-covered magazines at the NS, Kodiak, Alaska.

Figure 7 includes the time interval July 1966 through August 1967 for non-earth-covered magazines for the NS, Kodiak, Alaska.

Figures 8 and 9 include the time interval between January 1959 through June 1967 for the NS, Adak, Alaska. (Data are missing for February and March of 1964 and June through December of 1966). These data are significant because a time period of 8 years is on record and also because of the geographical location of Adak Island and its small size. Since the island is so small, the data gathered there are considered fairly representative of the extreme exposure that would be experienced on board ships in cold waters there and elsewhere.

Figures 10 and 11 include the time interval between January 1965 through December 1966 for the NAS, Brunswick, Maine.

Figure 12 includes the time interval between January 1965 through June 1967 for the NS, Argentia, Newfoundland.

Figures 13 and 14 include the time interval between October 1964 through May 1967 for the NS, Keflavik, Iceland.

The data from which the plots of Fig. 1 through 14 were taken are included in Appendix D. These data include the number of measured points from which the averages and the standard deviations were computed. The importance of reporting these data and the implications arising therefrom are discussed in Appendix E.

CONCLUSIONS

Assuming that the data are representative of the enclosed air temperatures encountered in the explosive hazard magazines located at NAD, Bremerton, Washington; NAS, Seattle, Washington; Fort Richardson, Alaska; NS, Kodiak, Alaska; NS, Adak, Alaska; NAS, Brunswick, Maine; NS, Argentia, Newfoundland; NS, Keflavik, Iceland; the results indicate that ordnance, explosives, propellants, pyrotechnics, etc., stored in these storage magazines will probably never be subjected to temperatures below -10°F for surface magazines and 0°F for earth-covered magazines (see Appendix D). It can be seen in Fig. 20 through 36 that the data displayed in this report were taken from two types of structures; earth-covered and non-earth-covered. The magazines are of metal and concrete construction. The records indicate a consistent difference in temperature ranges and daily fluctuations between the categories earth-covered and non-earth-covered magazines at a given site. There is a great difference between the outside air temperature and the temperature inside the magazines in all cases. These differences are almost the same regardless of the type of magazine or even whether it is earth-covered or exposed. It appears that any sort of covering protects the ordnance from the ambient extremes.

Parts 1, 2, 3, and 4 of this series of reports have, to a large extent, statistically established that the minimum storage specification air temperature of -65°F is not to be found in the explosive hazard magazines located in the colder regions of the world where Naval stations exist. The data from the U. S. Army Fort Richardson, and Adak, Alaska, encompass a large enough portion of a solar cycle to be of significant importance adequate for the assignment of probable minimum earth-covered storage temperatures. The other six locations generally substantiate the conclusions drawn from Fort Richardson and Adak. This report can be used as a basis for the updating of the covered storage temperature requirements of the Military Specifications under which ordnance are designed.

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Appendix A

DATA HANDLING

The procedure for handling the storage temperature data is as follows:

Step 1. The applicable data are key punched onto IBM type cards from the temperature summary sheets as received from the ammunition storage facility as shown in Table 2.

TABLE 2. Punchcard Data.

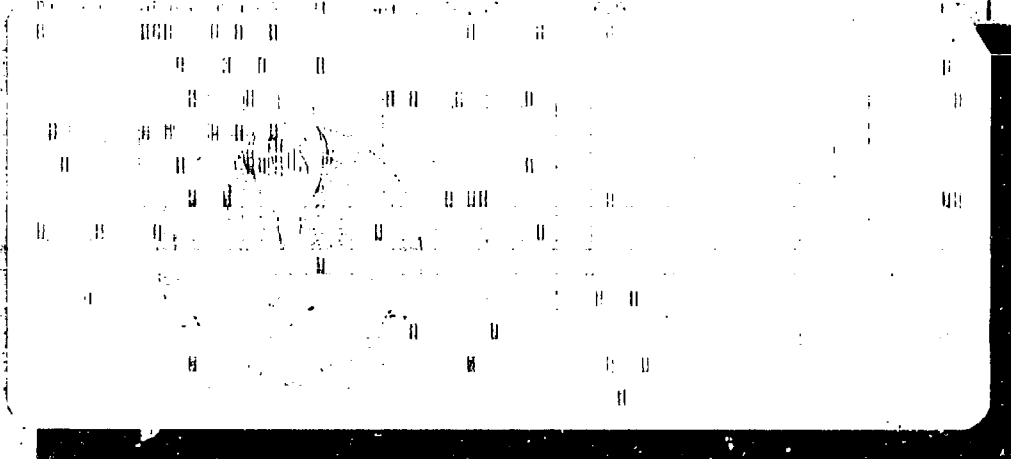
	Month	Day	Year	Type of magazine	Temp. reading		Storage location
					Low	High	
Example	12	30	64	1AT5	33	37	Adak, Alaska
Card column	3	-----	---8	18-26	36-38	42-44	55-79

Step 2. The punched cards (Step 1) are sorted in the following manner:

- a. Storage location: NAD, Bremerton, Washington; NAS, Seattle, Washington; Fort Richardson, Alaska; NS, Kodiak, Alaska; NS, Adak, Alaska; NAS, Brunswick, Maine; NS, Argentia, Newfoundland; NS, Keflavik, Iceland.
- b. Each group of cards by location into calendar sequence by:
 - (1) Year
 - (2) Month
 - (3) Day

Step 3. The "input deck" consists of: (1) Univac 1108 computer program (450-52), (2) the sorted cards from Step 2, and (3) a "total card" with the number of months of data included in columns 4 and 5. The computer program, 450-52, computes the averages and standard deviations of maximum and minimum temperatures of each month.

Step 4. The resulting output from Step 3 consists of the output deck with averages and standard deviations of maximum and minimum temperatures punched in cards, as shown in Fig. 15; microfilms

FIG. 15. Typical $\bar{x}$, s Card.

containing the raw data for each month, as shown in Fig. 16; and microfilms containing data for each month, as sorted in Step 2, that are processed by the computer, as shown in Fig. 17.

RAW DATA (TEMPERATURES)

ADAK, ALASKA

DATE	MAG.NO.	LO	HI	DATE	MAG.NO.	LO	HI	DATE	MAG.NO.	LO	HI	DATE	MAG.NO.	LO	HI
120464	2XC2	32.	50.	120464	1AT7	16.	55.	120464	1AT8	35.	37.	120464	1AT5	26.	48.
120464	1AT6	24.	45.	120464	2XC5	32.	50.	120464	1AT4	36.	38.	120464	1AT3	37.	42.
120464	1HT2	35.	42.	120464	1HT1	37.	37.	121164	2XC2	34.	38.	121164	1AT7	35.	38.
121164	1AT6	35.	35.	121164	1AT5	15.	55.	121164	1AT6	26.	26.	121164	2XC5	31.	47.
121164	1AT4	15.	55.	121164	1AT3	35.	36.	121164	1HT1	30.	37.	121164	1HT2	29.	35.
121664	2XC2	35.	40.	121664	1AT7	36.	36.	121664	1AT8	35.	42.	121664	1AT5	20.	56.
121664	1AT6	24.	32.	121664	2XC5	34.	40.	121664	1AT4	17.	56.	121664	1AT3	40.	44.
121664	1HT2	35.	35.	121664	1HT1	33.	37.	122564	2XC2	39.	40.	122564	1AT7	36.	36.
122564	1AT6	35.	40.	122564	1AT5	20.	56.	122564	1AT6	22.	25.	122564	2XC5	35.	45.
122564	1AT4	25.	56.	122564	1AT3	35.	40.	122564	1HT2	35.	40.	122564	1HT1	35.	40.

FIG. 16. Raw Data on Microfilm.

LOW TEMPERATURE

DATE = 1964

LOCATION = ADAK, ALASKA

N = 40

MEAN = 30.37

STANDARD DEVIATION = 6.088

NO. OVER 90 = 0

MAX = 40.

NO. UNDER 20 = 0

NO. UNDER 10 = 0

NO. UNDER 0 = 0

MIN = 19.

32. 16. 35. 26. 24. 32. 36. 37. 35. 37. 34. 35. 35. 18. 26. 31. 19. 38. 30.
 29. 33. 36. 35. 20. 24. 34. 17. 40. 35. 33. 33. 36. 35. 20. 22. 35. 28. 35.
 35. 35.

FIG. 17. Data on Microfilm.

Step 5. The output deck created in Step 4 is reproduced on aperture cards. The microfilms of Step 4 are cut in segments and mounted on aperture cards as shown in Fig. 18 and 19.

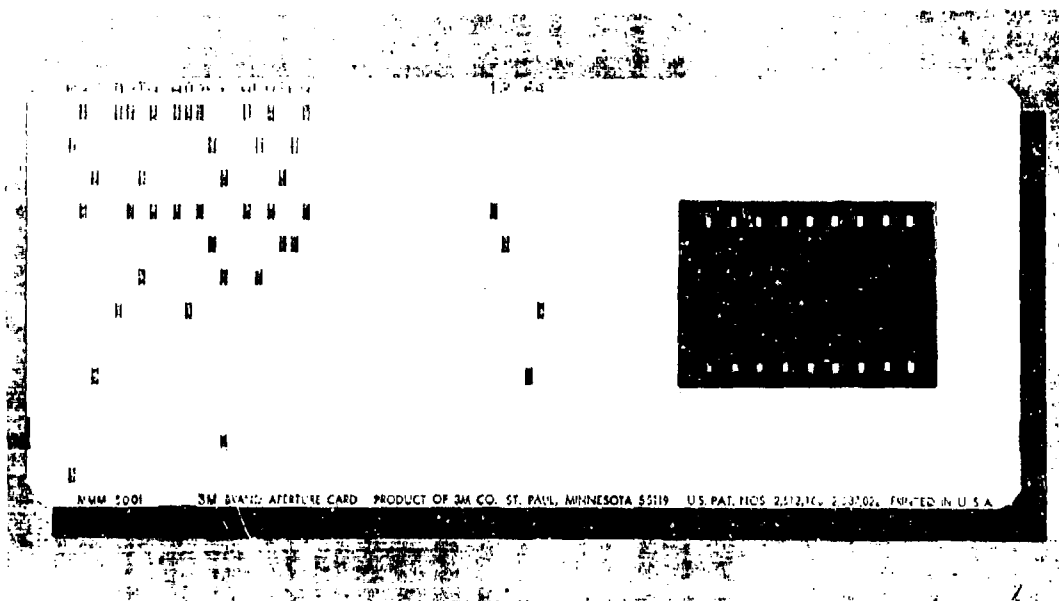


FIG. 18. Aperture Card With Microfilm Insert of Raw Data.

Step 6. The output deck is assembled for another Univac 1108 computer program (420-053) and fed into the computer. The output from the computer is a curve such as that illustrated in Fig. 1 which plots the average maximum and minimum temperatures for the effective dates of the output deck knowledge. The microfilm of this curve is also mounted on an aperture card.

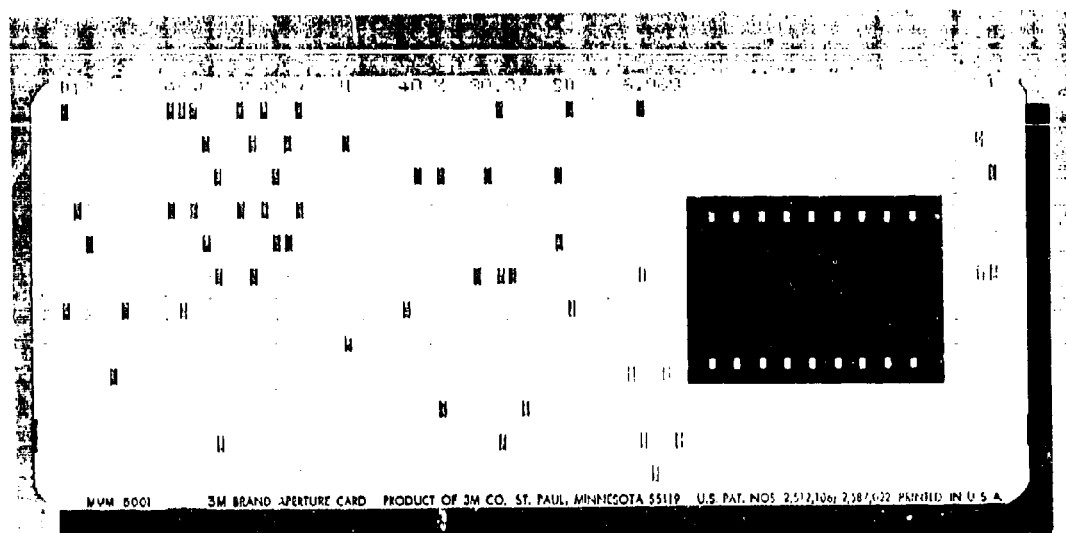


FIG. 19. Aperture Card With Microfilm Insert of Data
Used by the Computer.

Appendix B

CLASSIFICATION OF MAGAZINES

Storage magazines differ in construction and deployment for the type of ammunition that is to be stored. The storage magazines from which the temperature data have been collected differ greatly in that their classifications range from Explosive Hazard Magazines to store-houses. Their construction, labeling, maintenance, etc., and the frequency at which temperature measurements were taken are in accordance with the document "Ammunition Ashore Handling, Stowing, and Shipping", OP5, Vol. 1, second revision. The letter designations, intact as established by OP5, are presented in Table 3, so that the reader should have no difficulty in distinguishing between types of magazines that are found at the specified locations in the cold regions.

In order to indicate the type of magazine, OP5 requires that the letter T is added if the magazine is earth-covered and barracaded; the letter C is added if the magazine is earth-covered but the door is not barracaded; and the letter S is added if the magazine is not earth-covered but is barracaded.

TABLE 3. Storage Magazine Description.

L to N Inclusive and Y Fire Hazard--Powder (Bulk, Semifixed or Bag Ammunition), Pyrotechnics, Ignition Fuzes and Primers, Small Arms, Smoke Drums, Chemical Ammunition

| Dimensions
(nominal) | Normal
explosive
limit | Letter
designator |
|--|--|----------------------|
| 50' x 100' ----- | 500,000 lbs ----- | L |
| 25' x 80' triple arch | 500,000 lbs ----- | L |
| 52' dome (Corbetta
type) | 500,000 lbs ----- | D |
| 50' x 60' ----- | 300,000 lbs ----- | M |
| 30' x 50' ----- | 125,000 lbs ----- | N |
| 25' x 48' ----- | 125,000 lbs ----- | N |
| 25' x 40' ----- | 125,000 lbs ----- | N |
| Miscellaneous or non-
standard size | Dependent upon location,
size, and construction | Y |

TABLE 3. (Contd).

P and Z Missile Hazard--Projectile and Fixed Ammunition

| Dimensions
(nominal) | Maximum
explosive
limit | Letter
designator |
|--|---|----------------------|
| 50' x 100' ----- | 143,000 lbs ----- | P |
| 25' x 80' triple arch | 143,000 lbs (total for
three arches) | P |
| 52' dome (Corbetta
type) | 143,000 lbs ----- | D |
| Miscellaneous or non-
standard size | 143,000 lbs ----- | Z |

A to K Inclusive and W, and X Explosion Hazard--High Explosive
(Bulk, Depth Charges, Mines, Warheads, Bombs, etc.) Fuzes,
Detonators, Exploders, Black Powder

| Dimensions
(nominal) | Normal use | Normal
explosive
limit | Letter
designator |
|--|-------------------------|---|----------------------|
| 25' x 80' arch type
(igloo) | High explosives | 250,000 lbs | A |
| 25' x 50' arch type
(igloo) | High explosives | 143,000 lbs | B |
| 25' x 40' arch type
(igloo) | High explosives | 143,000 lbs | B |
| 39' x 44' or
32' x 44' (war-
head type) | High explosives | 250,000 lbs | W |
| 12' x 17' (box type) | Black powder | 20,000 lbs | E |
| Miscellaneous or
nonstandard size | High explosives | Dependent
upon size,
location,
and con-
struction | X |
| 25' x 20' arch type
(igloo) | Fuze and deto-
nator | 70,000 lbs | F |
| Dimensions vary
(gallery or
tunnel type) | High explosives | 250,000 lbs | G |

TABLE 3. (Contd).

| Dimensions
(nominal) | Normal use | Normal
explosive
limit | Letter
designator |
|-----------------------------|-------------------------|------------------------------|----------------------|
| 10' x 14' | Fuze and deto-
nator | 15,000 lbs | H |
| 10' x 7' | Fuze and deto-
nator | 7,500 lbs | H |
| 6' x 8'8"
(keyport type) | High explosives | 4,000 lbs | K |

Miscellaneous Magazines

| Dimensions
(nominal) | Type | Letter
designator |
|-------------------------|-----------------------|----------------------|
| 25' x 68' ----- | Smoke drum type ----- | SD |
| 25' x 34' ----- | Smoke drum type ----- | SD |
| 25' x 51' ----- | Smoke drum type ----- | SD |
| | All inert storehouses | SH |

| Type of hazard | Letter
designator |
|---------------------------|----------------------|
| Explosive hazard magazine | X |
| Fire hazard magazine | Y |
| Missile hazard magazine | Z |

NAVAL AMMUNITION DEPOT, BREMERTON, WASHINGTON

There are 315 storage magazines from which temperature data have been collected. All of the magazines are earth covered with letter designations AT, PC (Fig. 20), ET, BT, FC, KC (Fig. 21), HT and XC.

NAVAL AIR STATION, SEATTLE, WASHINGTON

There are eight storage magazines from which temperature data have been collected. Six magazines are earth covered with letter designations BTX, NT, ZT (Fig. 22), and YT. Two are non-earth-covered magazines with letter designators X (Fig. 23) and N.



FIG. 20. NAD, Bremerton, Washington, Magazine 12-PC-16.
(Typical of AT and PC magazines at Bremerton.)

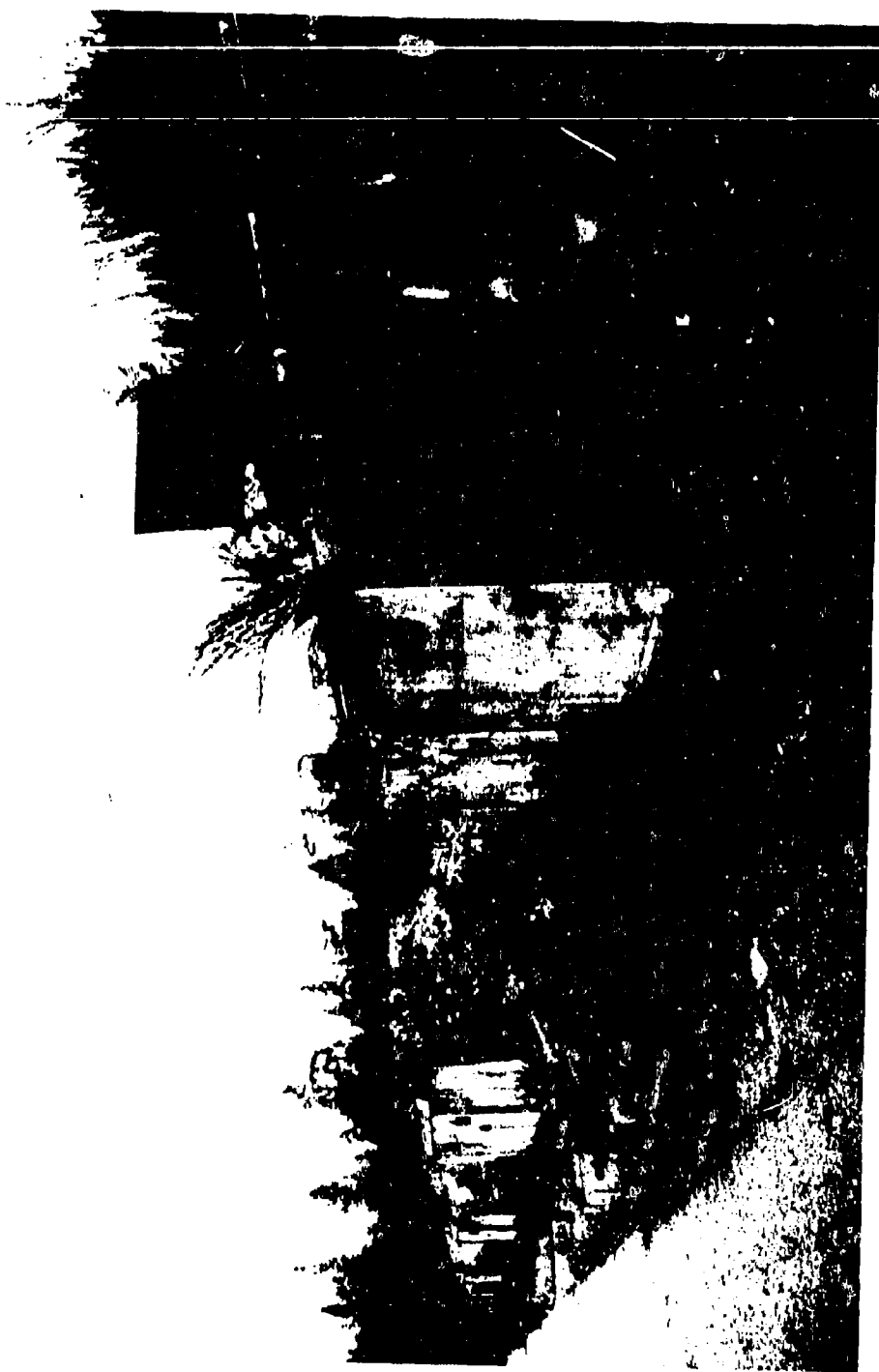


FIG. 21. NAD, Bremerton, Washington, Magazine 9-KC-38.



FIG. 22. NAS, Seattle, Washington, Magazine 2ZT2.
(Typical of earth-covered magazines at Seattle.)

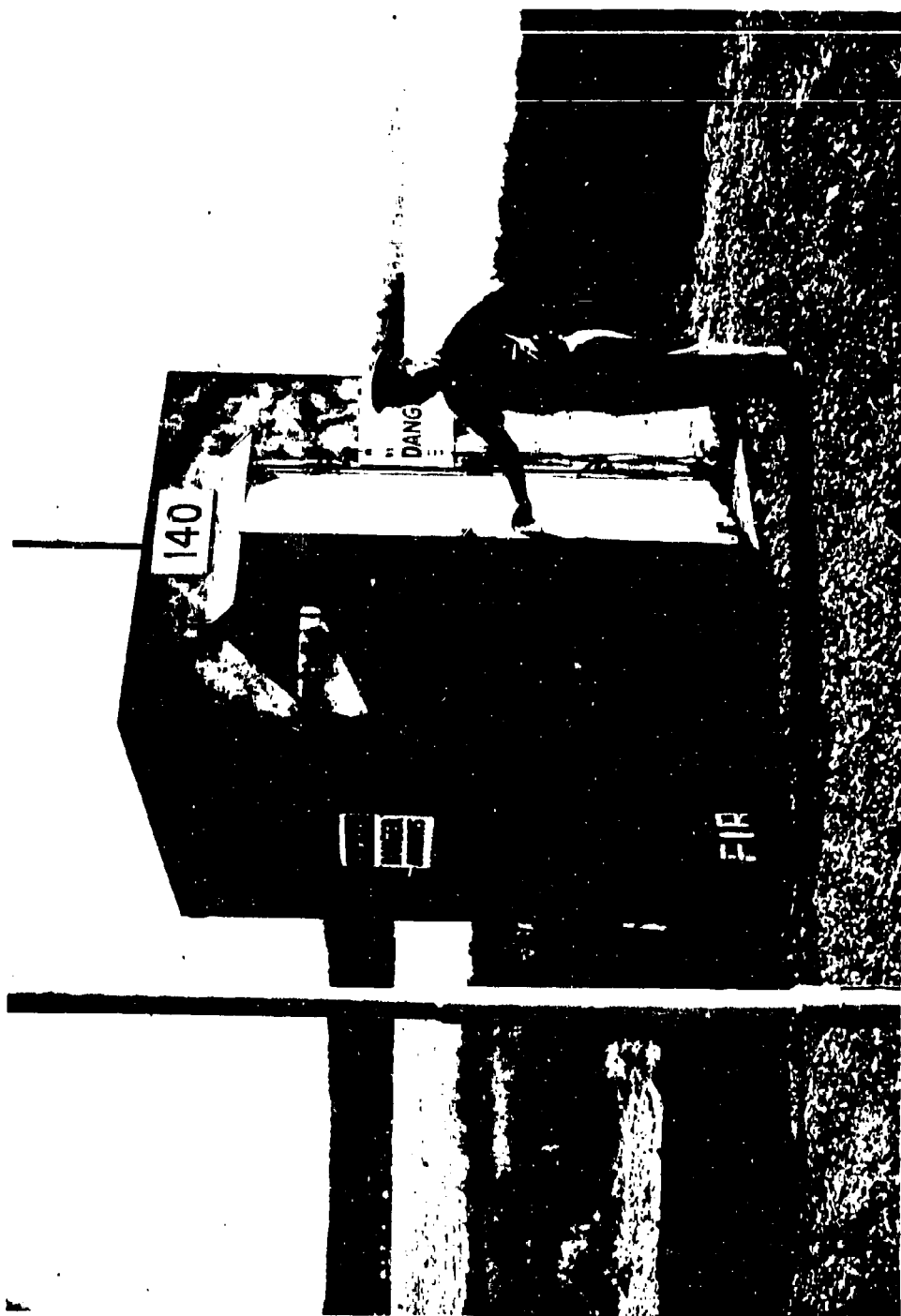


FIG. 23. NAS, Seattle, Washington, Magazine 1X3.

FORT RICHARDSON, ALASKA (U. S. ARMY)

The magazine numbered D 27 (Fig. 24) is the only earth-covered magazine from which data have been collected. This magazine is of concrete arched construction, size approximately 26 by 60 by 12 feet (W x L x H), double steel doors, and is earth covered. The magazine numbered W-22 (Fig. 25) is the only non-earth-covered magazine from which data have been collected. This magazine is of all concrete construction with the size approximately 65 by 92 by 11 feet (W x L x H).

NAVAL STATION, KODIAK, ALASKA

There are 21 magazines from which temperature data have been collected. Nine magazines are earth covered with letter designations BT and HT (Fig. 26). Twelve magazines are non-earth covered with letter designations X, Y (Fig. 27), XS, and HT (an instance of mis-labeling, see Fig. 28).

NAVAL STATION, ADAK, ALASKA

There are 49 storage magazines from which temperature data have been collected. Thirty-two are earth covered with letter designations XC, AT, AND HT (Fig. 29). Seventeen are non-earth covered with letter designations X, and RS (Fig. 30).

NAVAL AIR STATION, BRUNSWICK, MAINE

There are 24 magazines from which temperature data have been collected. Sixteen are earth covered with letter designations YC, XC, HT, AT, YT, and BT (Fig. 31). Eight are non-earth covered with the letters designations BY, and Y (Fig. 32).

NAVAL STATION, ARGENTIA, NEWFOUNDLAND

There are 34 earth covered magazines from which temperature data have been collected. Their letter designations are BTX, BT (Fig. 33), XC, HT, YC, and ZC (Fig. 34).

NAVAL STATION, KEFLAVIK, ICELAND

There are 27 storage magazines from which temperature data have been collected. Nine are earth covered with letter designations XT (Fig. 35), VC and ZC. Eighteen are non-earth-covered magazines with letter designations X, Y (Fig. 36), and XS.



FIG. 24. Fort Richardson, Alaska, Magazine D27.



FIG. 25. Fort Richardson, Alaska, Magazine W-22.



FIG. 26. NS, Kodiak, Alaska, Magazine 4HT7.
(Typical of earth-covered magazines at Kodiak.)



FIG. 27. NS, Kodiak, Alaska, Magazine 5Y5.
(Typical of non-earth-covered magazines at Kodiak.)



FIG. 28. NS, Kodiak, Alaska, Magazine 4HT2.
(An example of structure mislabeling.)



FIG. 29. NS, Adak, Alaska, Magazine 1HT2.
(One of the better constructed earth-covered magazines.)



FIG. 30. NS, Adak, Alaska, Magazine 3X8.
(One of the poorest non-earth-covered magazines.)



FIG. 31. NAS, Brunswick, Maine, Magazine 4BT6.
(Typical of earth-covered magazines at Brunswick.)

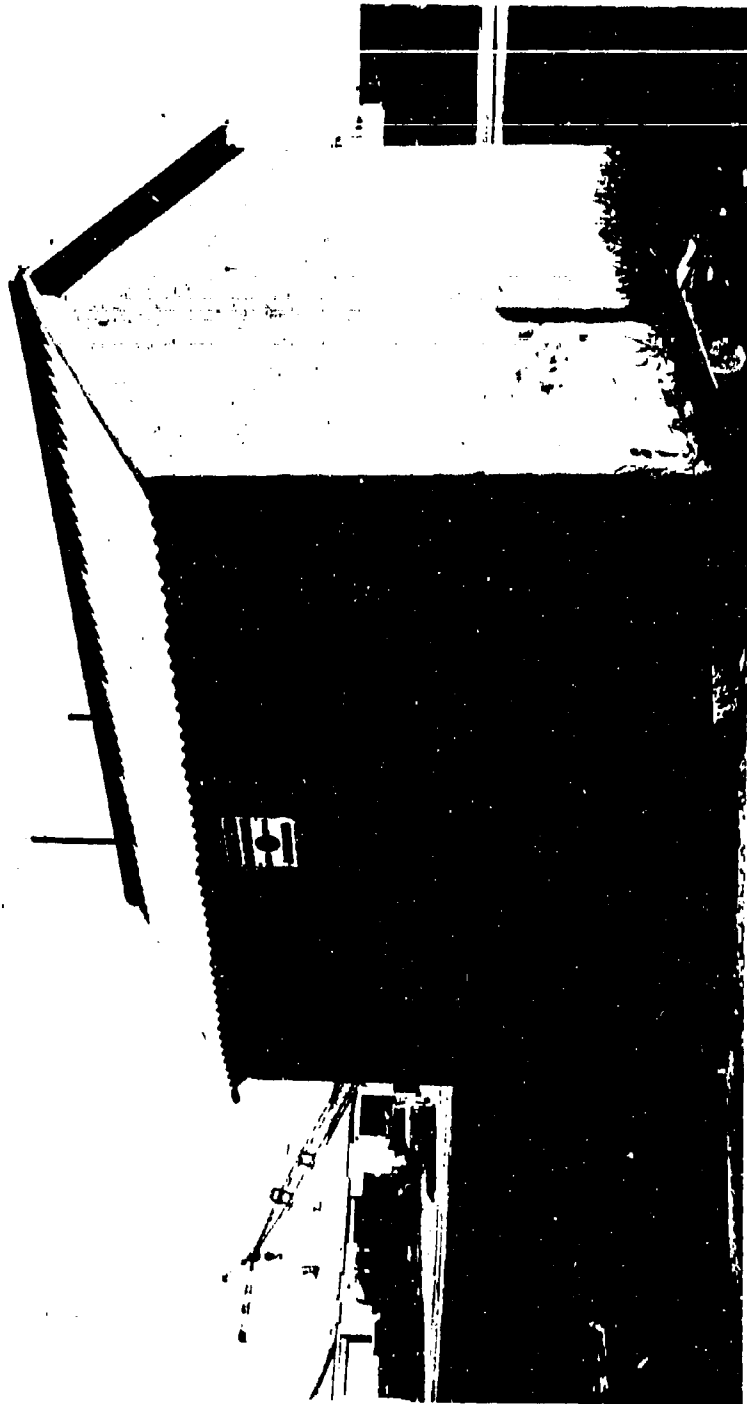


FIG. 32. NAS, Brunswick, Maine, Magazine 1-Y-4 A and B.
(Typical of non-earth-covered magazines at Brunswick.)



FIG. 33. NS, Argentina, Newfoundland, Magazine 6BT1.
(Typical of earth-covered magazines at Argentina.)



FIG. 34. NS, Argentina, Newfoundland, Magazine 5ZC9.
(Typical of earth-covered magazines at Argentina.)



FIG. 35. NS, Keflavik, Iceland, Magazine 2XT8.
(Typical of earth-covered magazines at Keflavik.)



FIG. 36. NS, Keflavik, Iceland, Magazine 3Y9.
(Typical of non-earth-covered magazines at Keflavik.)

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Appendix C

MONTHLY TEMPERATURE SUMMARIES

The monthly breakdown of the summary of results for each location is presented in Tables 4 through 17. The first row of each table contains column headings. Reading from the left, the first two-column headings "Year" and "Month" are self explanatory. "N" indicates the number of temperature readings taken during the month, the fourth through the sixth column labeled "The Number of Data Points Less Than or Equal to 20, 10, and 0°F" is self explanatory. "Min Temp" indicates the lowest temperature that was recorded during the month.

TABLE 4. Summary of Results, Earth-Covered Magazines,
NAD, Bremerton, Washington.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|-----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 34 | 0 | 0 | 0 | 30 |
| 1965 | 02 | 67 | 0 | 0 | 0 | 35 |
| 1965 | 03 | 66 | 0 | 0 | 0 | 40 |
| 1965 | 04 | 196 | 0 | 0 | 0 | 32 |
| 1965 | 06 | 195 | 0 | 0 | 0 | 38 |
| 1965 | 08 | 212 | 0 | 0 | 0 | 25 |
| 1965 | 09 | 207 | 0 | 0 | 0 | 46 |
| 1965 | 10 | 218 | 0 | 0 | 0 | 36 |
| 1965 | 11 | 71 | 0 | 0 | 0 | 50 |
| 1965 | 12 | 162 | 0 | 0 | 0 | 30 |
| 1966 | 02 | 167 | 0 | 0 | 0 | 30 |
| 1966 | 03 | 230 | 0 | 0 | 0 | 35 |
| 1966 | 04 | 219 | 0 | 0 | 0 | 35 |
| 1966 | 05 | 229 | 0 | 0 | 0 | 40 |
| 1966 | 06 | 142 | 0 | 0 | 0 | 45 |
| 1966 | 07 | 84 | 0 | 0 | 0 | 48 |
| 1966 | 08 | 7 | 0 | 0 | 0 | 52 |
| 1966 | 09 | 60 | 0 | 0 | 0 | 38 |
| 1966 | 10 | 178 | 0 | 0 | 0 | 40 |
| 1966 | 11 | 83 | 0 | 0 | 0 | 48 |
| 1966 | 12 | 52 | 0 | 0 | 0 | 40 |
| 1967 | 01 | 121 | 0 | 0 | 0 | 35 |
| 1967 | 02 | 82 | 0 | 0 | 0 | 40 |
| 1967 | 03 | 84 | 0 | 0 | 0 | 40 |
| 1967 | 04 | 86 | 0 | 0 | 0 | 40 |
| 1967 | 05 | 145 | 0 | 0 | 0 | 40 |
| 1967 | 06 | 194 | 0 | 0 | 0 | 40 |
| 1967 | 07 | 175 | 0 | 0 | 0 | 40 |
| 1967 | 08 | 228 | 0 | 0 | 0 | 45 |
| 1967 | 09 | 95 | 0 | 0 | 0 | 42 |
| 1967 | 10 | 162 | 0 | 0 | 0 | 42 |

TABLE 5. Summary of Results, Earth-Covered Magazines,
NAS, Seattle, Washington.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1966 | 01 | 16 | 0 | 0 | 0 | 35 |
| 1966 | 02 | 16 | 0 | 0 | 0 | 36 |
| 1966 | 03 | 20 | 0 | 0 | 0 | 35 |
| 1966 | 04 | 16 | 0 | 0 | 0 | 40 |
| 1966 | 05 | 14 | 0 | 0 | 0 | 45 |
| 1966 | 06 | 20 | 0 | 0 | 0 | 50 |
| 1966 | 07 | 17 | 0 | 0 | 0 | 56 |
| 1966 | 08 | 14 | 0 | 0 | 0 | 59 |
| 1966 | 09 | 21 | 0 | 0 | 0 | 47 |
| 1966 | 10 | 18 | 0 | 0 | 0 | 45 |
| 1966 | 11 | 25 | 0 | 0 | 0 | 41 |
| 1966 | 12 | 15 | 0 | 0 | 0 | 38 |
| 1967 | 01 | 20 | 0 | 0 | 0 | 31 |
| 1967 | 02 | 10 | 0 | 0 | 0 | 32 |
| 1967 | 03 | 15 | 0 | 0 | 0 | 40 |
| 1967 | 04 | 19 | 0 | 0 | 0 | 37 |
| 1967 | 05 | 25 | 0 | 0 | 0 | 40 |
| 1967 | 06 | 20 | 0 | 0 | 0 | 52 |

TABLE 6. Summary of Results, Non-Earth-Covered Magazines,
NAS, Seattle, Washington.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1966 | 01 | 12 | 0 | 0 | 0 | 28 |
| 1966 | 02 | 11 | 0 | 0 | 0 | 30 |
| 1966 | 03 | 13 | 0 | 0 | 0 | 30 |
| 1966 | 04 | 9 | 0 | 0 | 0 | 38 |
| 1966 | 05 | 9 | 0 | 0 | 0 | 42 |
| 1966 | 06 | 14 | 0 | 0 | 0 | 46 |
| 1966 | 07 | 9 | 0 | 0 | 0 | 50 |
| 1966 | 08 | 7 | 0 | 0 | 0 | 58 |
| 1966 | 09 | 7 | 0 | 0 | 0 | 40 |
| 1966 | 10 | 8 | 0 | 0 | 0 | 42 |
| 1966 | 11 | 10 | 0 | 0 | 0 | 39 |
| 1966 | 12 | 6 | 0 | 0 | 0 | 36 |
| 1967 | 01 | 8 | 0 | 0 | 0 | 40 |
| 1967 | 02 | 4 | 0 | 0 | 0 | 36 |
| 1967 | 03 | 6 | 0 | 0 | 0 | 41 |
| 1967 | 04 | 8 | 0 | 0 | 0 | 35 |
| 1967 | 05 | 10 | 0 | 0 | 0 | 42 |
| 1967 | 06 | 8 | 0 | 0 | 0 | 56 |

TABLE 7. Summary of Results, Earth-Covered Magazines,
Fort Richardson, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1962 | 01 | 22 | 0 | 0 | 0 | 24 |
| 1962 | 02 | 19 | 0 | 0 | 0 | 24 |
| 1962 | 03 | 22 | 0 | 0 | 0 | 25 |
| 1962 | 04 | 21 | 0 | 0 | 0 | 30 |
| 1962 | 05 | 22 | 0 | 0 | 0 | 32 |
| 1962 | 06 | 21 | 0 | 0 | 0 | 30 |
| 1962 | 07 | 21 | 0 | 0 | 0 | 50 |
| 1962 | 08 | 23 | 0 | 0 | 0 | 54 |
| 1962 | 09 | 19 | 0 | 0 | 0 | 42 |
| 1962 | 10 | 23 | 0 | 0 | 0 | 38 |
| 1962 | 11 | 19 | 0 | 0 | 0 | 24 |
| 1962 | 12 | 18 | 0 | 0 | 0 | 25 |
| 1963 | 01 | 22 | 0 | 0 | 0 | 22 |
| 1963 | 02 | 19 | 0 | 0 | 0 | 24 |
| 1963 | 03 | 21 | 0 | 0 | 0 | 26 |
| 1963 | 04 | 22 | 0 | 0 | 0 | 27 |
| 1963 | 05 | 21 | 0 | 0 | 0 | 32 |
| 1963 | 06 | 20 | 0 | 0 | 0 | 41 |
| 1963 | 07 | 21 | 0 | 0 | 0 | 47 |
| 1963 | 08 | 22 | 0 | 0 | 0 | 42 |
| 1963 | 09 | 20 | 0 | 0 | 0 | 48 |
| 1963 | 10 | 23 | 0 | 0 | 0 | 35 |
| 1963 | 11 | 17 | 1 | 0 | 0 | 20 |
| 1963 | 12 | 21 | 0 | 0 | 0 | 23 |
| 1964 | 01 | 22 | 0 | 0 | 0 | 22 |
| 1964 | 02 | 19 | 0 | 0 | 0 | 22 |
| 1964 | 03 | 22 | 0 | 0 | 0 | 23 |
| 1964 | 04 | 22 | 0 | 0 | 0 | 26 |
| 1964 | 05 | 20 | 0 | 0 | 0 | 31 |
| 1964 | 06 | 21 | 0 | 0 | 0 | 36 |
| 1964 | 07 | 21 | 0 | 0 | 0 | 46 |
| 1964 | 08 | 21 | 0 | 0 | 0 | 48 |
| 1964 | 09 | 22 | 0 | 0 | 0 | 45 |
| 1964 | 10 | 22 | 0 | 0 | 0 | 36 |
| 1964 | 11 | 18 | 0 | 0 | 0 | 31 |
| 1964 | 12 | 21 | 0 | 0 | 0 | 24 |

TABLE 7. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 20 | 1 | 0 | 0 | 20 |
| 1965 | 02 | 19 | 0 | 0 | 0 | 21 |
| 1965 | 03 | 23 | 0 | 0 | 0 | 22 |
| 1965 | 04 | 22 | 0 | 0 | 0 | 30 |
| 1965 | 05 | 19 | 0 | 0 | 0 | 32 |
| 1965 | 06 | 22 | 0 | 0 | 0 | 39 |
| 1965 | 07 | 20 | 0 | 0 | 0 | 45 |
| 1965 | 08 | 27 | 0 | 0 | 0 | 46 |
| 1965 | 09 | 22 | 0 | 0 | 0 | 44 |
| 1965 | 10 | 21 | 0 | 0 | 0 | 34 |
| 1965 | 11 | 20 | 0 | 0 | 0 | 27 |
| 1965 | 12 | 21 | 0 | 0 | 0 | 22 |
| 1966 | 01 | 21 | 2 | 0 | 0 | 20 |
| 1966 | 02 | 19 | 0 | 0 | 0 | 22 |
| 1966 | 03 | 23 | 11 | 0 | 0 | 18 |
| 1966 | 04 | 21 | 0 | 0 | 0 | 28 |
| 1966 | 05 | 21 | 0 | 0 | 0 | 33 |
| 1966 | 06 | 22 | 0 | 0 | 0 | 39 |
| 1966 | 07 | 20 | 0 | 0 | 0 | 49 |
| 1966 | 08 | 23 | 0 | 0 | 0 | 51 |
| 1966 | 09 | 21 | 0 | 0 | 0 | 45 |
| 1966 | 10 | 21 | 0 | 0 | 0 | 34 |
| 1966 | 11 | 20 | 0 | 0 | 0 | 29 |
| 1966 | 12 | 21 | 0 | 0 | 0 | 21 |
| 1967 | 01 | 21 | 5 | 0 | 0 | 20 |
| 1967 | 02 | 19 | 9 | 0 | 0 | 19 |
| 1967 | 03 | 23 | 0 | 0 | 0 | 22 |
| 1967 | 04 | 20 | 0 | 0 | 0 | 24 |
| 1967 | 05 | 22 | 0 | 0 | 0 | 29 |
| 1967 | 06 | 22 | 0 | 0 | 0 | 37 |
| 1967 | 07 | 19 | 0 | 0 | 0 | 48 |

TABLE 8. Summary of Results, Non-Earth-Covered Magazines,
Fort Richardson, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1962 | 01 | 22 | 22 | 9 | 0 | 2 |
| 1962 | 02 | 19 | 12 | 4 | 0 | 8 |
| 1962 | 03 | 22 | 12 | 0 | 0 | 14 |
| 1962 | 04 | 21 | 0 | 0 | 0 | 24 |
| 1962 | 05 | 22 | 0 | 0 | 0 | 38 |
| 1962 | 06 | 21 | 0 | 0 | 0 | 49 |
| 1962 | 07 | 21 | 0 | 0 | 0 | 53 |
| 1962 | 08 | 23 | 0 | 0 | 0 | 54 |
| 1962 | 09 | 19 | 0 | 0 | 0 | 42 |
| 1962 | 10 | 23 | 0 | 0 | 0 | 31 |
| 1962 | 11 | 19 | 6 | 3 | 0 | 6 |
| 1962 | 12 | 18 | 10 | 6 | 2 | -4 |
| 1963 | 01 | 20 | 9 | 5 | 5 | -9 |
| 1963 | 02 | 19 | 8 | 1 | 0 | 10 |
| 1963 | 03 | 21 | 1 | 0 | 0 | 16 |
| 1963 | 04 | 22 | 1 | 0 | 0 | 20 |
| 1963 | 05 | 21 | 0 | 0 | 0 | 42 |
| 1963 | 06 | 20 | 0 | 0 | 0 | 50 |
| 1963 | 07 | 21 | 0 | 0 | 0 | 56 |
| 1963 | 08 | 22 | 0 | 0 | 0 | 54 |
| 1963 | 09 | 20 | 0 | 0 | 0 | 48 |
| 1963 | 10 | 23 | 1 | 0 | 0 | 19 |
| 1963 | 11 | 16 | 7 | 5 | 0 | 1 |
| 1963 | 12 | 21 | 8 | 2 | 0 | 3 |
| 1964 | 01 | 22 | 20 | 5 | 0 | 3 |
| 1964 | 02 | 19 | 11 | 3 | 0 | 5 |
| 1964 | 03 | 20 | 10 | 0 | 0 | 12 |
| 1964 | 04 | 22 | 0 | 0 | 0 | 23 |
| 1964 | 05 | 20 | 0 | 0 | 0 | 32 |
| 1964 | 06 | 21 | 0 | 0 | 0 | 51 |
| 1964 | 07 | 21 | 0 | 0 | 0 | 43 |
| 1964 | 08 | 21 | 0 | 0 | 0 | 46 |
| 1964 | 09 | 22 | 0 | 0 | 0 | 45 |
| 1964 | 10 | 22 | 0 | 0 | 0 | 22 |
| 1964 | 11 | 18 | 3 | 0 | 0 | 14 |
| 1964 | 12 | 21 | 21 | 13 | 3 | -2 |

TABLE 8. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 18 | 14 | 7 | 0 | 1 |
| 1965 | 02 | 19 | 17 | 3 | 0 | 10 |
| 1965 | 03 | 23 | 1 | 0 | 0 | 15 |
| 1965 | 04 | 22 | 0 | 0 | 0 | 31 |
| 1965 | 05 | 19 | 0 | 0 | 0 | 36 |
| 1965 | 06 | 22 | 0 | 0 | 0 | 42 |
| 1965 | 07 | 20 | 0 | 0 | 0 | 56 |
| 1965 | 08 | 37 | 0 | 0 | 0 | 52 |
| 1965 | 09 | 22 | 0 | 0 | 0 | 38 |
| 1965 | 10 | 9 | 1 | 0 | 0 | 20 |
| 1965 | 11 | 20 | 7 | 0 | 0 | 12 |
| 1965 | 12 | 21 | 18 | 6 | 0 | 5 |
| 1966 | 01 | 21 | 21 | 12 | 0 | 5 |
| 1966 | 02 | 19 | 15 | 2 | 0 | 10 |
| 1966 | 03 | 23 | 14 | 0 | 0 | 12 |
| 1966 | 04 | 21 | 0 | 0 | 0 | 33 |
| 1966 | 05 | 21 | 0 | 0 | 0 | 45 |
| 1966 | 06 | 22 | 0 | 0 | 0 | 49 |
| 1966 | 07 | 20 | 0 | 0 | 0 | 56 |
| 1966 | 08 | 23 | 0 | 0 | 0 | 42 |
| 1966 | 09 | 21 | 0 | 0 | 0 | 46 |
| 1966 | 10 | 21 | 0 | 0 | 0 | 22 |
| 1966 | 11 | 20 | 11 | 0 | 0 | 17 |
| 1966 | 12 | 21 | 21 | 13 | 0 | 2 |
| 1967 | 01 | 21 | 21 | 5 | 0 | 8 |
| 1967 | 02 | 19 | 16 | 6 | 0 | 8 |
| 1967 | 03 | 23 | 0 | 0 | 0 | 24 |
| 1967 | 04 | 20 | 0 | 0 | 0 | 34 |
| 1967 | 05 | 22 | 0 | 0 | 0 | 36 |
| 1967 | 06 | 22 | 0 | 0 | 0 | 54 |
| 1967 | 07 | 19 | 0 | 0 | 0 | 52 |

TABLE 9. Summary of Results, Earth-Covered Magazines,
NS, Kodiak, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1967 | 01 | 27 | 1 | 0 | 0 | 20 |
| 1967 | 02 | 27 | 2 | 0 | 0 | 20 |
| 1967 | 03 | 34 | 0 | 0 | 0 | 27 |
| 1967 | 04 | 33 | 0 | 0 | 0 | 28 |
| 1967 | 05 | 45 | 0 | 0 | 0 | 34 |
| 1967 | 06 | 30 | 0 | 0 | 0 | 42 |
| 1967 | 07 | 37 | 0 | 0 | 0 | 25 |
| 1967 | 08 | 32 | 0 | 0 | 0 | 48 |

TABLE 10. Summary of Results, Non-Earth-Covered Magazines,
NS, Kodiak, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1966 | 07 | 5 | 0 | 0 | 0 | 33 |
| 1966 | 08 | 23 | 0 | 0 | 0 | 42 |
| 1966 | 09 | 21 | 0 | 0 | 0 | 42 |
| 1966 | 10 | 21 | 0 | 0 | 0 | 24 |
| 1966 | 11 | 20 | 0 | 0 | 0 | 25 |
| 1966 | 12 | 21 | 2 | 0 | 0 | 19 |
| 1967 | 01 | 49 | 9 | 0 | 0 | 15 |
| 1967 | 02 | 50 | 12 | 0 | 0 | 12 |
| 1967 | 03 | 53 | 2 | 0 | 0 | 18 |
| 1967 | 04 | 51 | 0 | 0 | 0 | 24 |
| 1967 | 05 | 72 | 0 | 0 | 0 | 30 |
| 1967 | 06 | 54 | 0 | 0 | 0 | 40 |
| 1967 | 07 | 52 | 0 | 0 | 0 | 27 |
| 1967 | 08 | 53 | 0 | 0 | 0 | 40 |

TABLE 11. Summary of Results, Earth-Covered Magazines,
NS, Adak, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1959 | 01 | 56 | 0 | 0 | 0 | 22 |
| 1959 | 02 | 60 | 0 | 0 | 0 | 25 |
| 1959 | 03 | 71 | 0 | 0 | 0 | 25 |
| 1959 | 04 | 65 | 0 | 0 | 0 | 23 |
| 1959 | 05 | 66 | 0 | 0 | 0 | 32 |
| 1959 | 06 | 65 | 0 | 0 | 0 | 32 |
| 1959 | 07 | 69 | 0 | 0 | 0 | 40 |
| 1959 | 08 | 58 | 0 | 0 | 0 | 40 |
| 1959 | 09 | 54 | 0 | 0 | 0 | 42 |
| 1959 | 10 | 52 | 0 | 0 | 0 | 37 |
| 1959 | 11 | 50 | 0 | 0 | 0 | 32 |
| 1959 | 12 | 57 | 0 | 0 | 0 | 22 |
| 1960 | 01 | 50 | 0 | 0 | 0 | 25 |
| 1960 | 02 | 49 | 1 | 0 | 0 | 15 |
| 1960 | 03 | 57 | 0 | 0 | 0 | 27 |
| 1960 | 04 | 48 | 0 | 0 | 0 | 29 |
| 1960 | 05 | 47 | 0 | 0 | 0 | 31 |
| 1960 | 06 | 53 | 0 | 0 | 0 | 30 |
| 1960 | 07 | 44 | 0 | 0 | 0 | 37 |
| 1960 | 08 | 51 | 0 | 0 | 0 | 37 |
| 1960 | 09 | 47 | 0 | 0 | 0 | 40 |
| 1960 | 10 | 45 | 0 | 0 | 0 | 35 |
| 1960 | 11 | 50 | 0 | 0 | 0 | 23 |
| 1960 | 12 | 48 | 0 | 0 | 0 | 27 |
| 1961 | 01 | 32 | 0 | 0 | 0 | 28 |
| 1961 | 02 | 39 | 0 | 0 | 0 | 22 |
| 1961 | 03 | 25 | 0 | 0 | 0 | 23 |
| 1961 | 04 | 40 | 0 | 0 | 0 | 25 |
| 1961 | 05 | 48 | 0 | 0 | 0 | 30 |
| 1961 | 06 | 48 | 0 | 0 | 0 | 37 |
| 1961 | 07 | 42 | 0 | 0 | 0 | 42 |
| 1961 | 08 | 53 | 0 | 0 | 0 | 40 |
| 1961 | 09 | 45 | 0 | 0 | 0 | 42 |
| 1961 | 10 | 49 | 0 | 0 | 0 | 31 |
| 1961 | 11 | 52 | 1 | 0 | 0 | 19 |
| 1961 | 12 | 47 | 0 | 0 | 0 | 23 |

TABLE 11. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1962 | 01 | 52 | 3 | 0 | 0 | 20 |
| 1962 | 02 | 45 | 3 | 0 | 0 | 15 |
| 1962 | 03 | 48 | 6 | 0 | 0 | 15 |
| 1962 | 04 | 48 | 5 | 0 | 0 | 17 |
| 1962 | 05 | 53 | 2 | 0 | 0 | 18 |
| 1962 | 06 | 47 | 0 | 0 | 0 | 22 |
| 1962 | 07 | 46 | 0 | 0 | 0 | 27 |
| 1962 | 08 | 56 | 0 | 0 | 0 | 30 |
| 1962 | 09 | 47 | 0 | 0 | 0 | 30 |
| 1962 | 10 | 56 | 0 | 0 | 0 | 30 |
| 1962 | 11 | 48 | 2 | 0 | 0 | 18 |
| 1962 | 12 | 49 | 2 | 0 | 0 | 20 |
| 1963 | 01 | 58 | 1 | 0 | 0 | 15 |
| 1963 | 02 | 48 | 5 | 0 | 0 | 17 |
| 1963 | 03 | 49 | 1 | 0 | 0 | 20 |
| 1963 | 04 | 52 | 0 | 0 | 0 | 30 |
| 1963 | 05 | 56 | 1 | 0 | 0 | 20 |
| 1963 | 06 | 48 | 0 | 0 | 0 | 34 |
| 1963 | 07 | 53 | 0 | 0 | 0 | 34 |
| 1963 | 08 | 52 | 0 | 0 | 0 | 35 |
| 1963 | 09 | 49 | 0 | 0 | 0 | 34 |
| 1963 | 10 | 56 | 0 | 0 | 0 | 34 |
| 1963 | 11 | 37 | 0 | 0 | 0 | 30 |
| 1963 | 12 | 39 | 0 | 0 | 0 | 24 |
| 1964 | 01 | 34 | 1 | 0 | 0 | 20 |
| 1964 | 04 | 19 | 0 | 0 | 0 | 25 |
| 1964 | 05 | 28 | 1 | 0 | 0 | 20 |
| 1964 | 06 | 26 | 0 | 0 | 0 | 21 |
| 1964 | 07 | 33 | 0 | 0 | 0 | 22 |
| 1964 | 08 | 35 | 0 | 0 | 0 | 22 |
| 1964 | 09 | 37 | 0 | 0 | 0 | 27 |
| 1964 | 10 | 50 | 1 | 0 | 0 | 20 |
| 1964 | 11 | 36 | 4 | 0 | 0 | 13 |
| 1964 | 12 | 40 | 6 | 0 | 0 | 15 |

TABLE 11. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|-----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 52 | 6 | 0 | 0 | 12 |
| 1965 | 02 | 35 | 3 | 1 | 0 | 10 |
| 1965 | 03 | 28 | 3 | 0 | 0 | 15 |
| 1965 | 04 | 50 | 6 | 1 | 0 | 10 |
| 1965 | 05 | 40 | 5 | 0 | 0 | 18 |
| 1965 | 06 | 44 | 2 | 0 | 0 | 20 |
| 1965 | 07 | 38 | 0 | 0 | 0 | 25 |
| 1965 | 08 | 44 | 0 | 0 | 0 | 30 |
| 1965 | 09 | 57 | 0 | 0 | 0 | 32 |
| 1965 | 10 | 33 | 0 | 0 | 0 | 34 |
| 1965 | 11 | 122 | 0 | 0 | 0 | 30 |
| 1965 | 12 | 119 | 0 | 0 | 0 | 25 |
| 1966 | 01 | 111 | 2 | 0 | 0 | 20 |
| 1966 | 02 | 86 | 0 | 0 | 0 | 24 |
| 1966 | 03 | 155 | 0 | 0 | 0 | 23 |
| 1966 | 04 | 155 | 1 | 0 | 0 | 20 |
| 1966 | 05 | 144 | 0 | 0 | 0 | 31 |
| 1967 | 01 | 30 | 0 | 0 | 0 | 24 |
| 1967 | 02 | 30 | 0 | 0 | 0 | 23 |
| 1967 | 03 | 28 | 0 | 0 | 0 | 25 |
| 1967 | 04 | 28 | 0 | 0 | 0 | 24 |
| 1967 | 05 | 42 | 0 | 0 | 0 | 30 |
| 1967 | 06 | 28 | 0 | 0 | 0 | 34 |

TABLE 12. Summary of Results, Non-Earth-Covered Magazines,
NS, Adak, Alaska.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1959 | 01 | 48 | 8 | 0 | 0 | 19 |
| 1959 | 02 | 48 | 4 | 0 | 0 | 16 |
| 1959 | 03 | 49 | 5 | 0 | 0 | 16 |
| 1959 | 04 | 54 | 9 | 0 | 0 | 17 |
| 1959 | 05 | 50 | 0 | 0 | 0 | 30 |
| 1959 | 06 | 54 | 0 | 0 | 0 | 28 |
| 1959 | 07 | 54 | 0 | 0 | 0 | 37 |
| 1959 | 08 | 56 | 0 | 0 | 0 | 40 |
| 1959 | 09 | 57 | 0 | 0 | 0 | 31 |
| 1959 | 10 | 57 | 0 | 0 | 0 | 27 |
| 1959 | 11 | 55 | 0 | 0 | 0 | 22 |
| 1959 | 12 | 60 | 13 | 0 | 0 | 12 |
| 1960 | 01 | 55 | 10 | 0 | 0 | 13 |
| 1960 | 02 | 53 | 6 | 2 | 0 | 8 |
| 1960 | 03 | 60 | 1 | 0 | 0 | 20 |
| 1960 | 04 | 54 | 1 | 0 | 0 | 20 |
| 1960 | 05 | 54 | 0 | 0 | 0 | 26 |
| 1960 | 06 | 57 | 0 | 0 | 0 | 33 |
| 1960 | 07 | 51 | 0 | 0 | 0 | 39 |
| 1960 | 08 | 64 | 0 | 0 | 0 | 40 |
| 1960 | 09 | 67 | 0 | 0 | 0 | 34 |
| 1960 | 10 | 74 | 0 | 0 | 0 | 22 |
| 1960 | 11 | 74 | 10 | 0 | 0 | 16 |
| 1960 | 12 | 73 | 20 | 0 | 0 | 15 |
| 1961 | 01 | 39 | 0 | 0 | 0 | 12 |
| 1961 | 02 | 43 | 7 | 0 | 0 | 15 |
| 1961 | 03 | 29 | 6 | 0 | 0 | 12 |
| 1961 | 04 | 50 | 2 | 0 | 0 | 18 |
| 1961 | 05 | 73 | 0 | 0 | 0 | 21 |
| 1961 | 06 | 77 | 0 | 0 | 0 | 30 |
| 1961 | 07 | 70 | 0 | 0 | 0 | 32 |
| 1961 | 08 | 82 | 0 | 0 | 0 | 39 |
| 1961 | 09 | 75 | 0 | 0 | 0 | 37 |
| 1961 | 10 | 83 | 0 | 0 | 0 | 28 |
| 1961 | 11 | 74 | 1 | 0 | 0 | 15 |
| 1961 | 12 | 67 | 8 | 0 | 0 | 15 |

TABLE 12. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1962 | 01 | 78 | 17 | 0 | 0 | 12 |
| 1962 | 02 | 67 | 14 | 0 | 0 | 15 |
| 1962 | 03 | 71 | 1 | 0 | 0 | 20 |
| 1962 | 04 | 82 | 0 | 0 | 0 | 21 |
| 1962 | 05 | 92 | 1 | 0 | 0 | 15 |
| 1962 | 06 | 88 | 0 | 0 | 0 | 34 |
| 1962 | 07 | 85 | 0 | 0 | 0 | 40 |
| 1962 | 08 | 94 | 0 | 0 | 0 | 40 |
| 1962 | 09 | 78 | 0 | 0 | 0 | 29 |
| 1962 | 10 | 98 | 0 | 0 | 0 | 26 |
| 1962 | 11 | 82 | 5 | 0 | 0 | 18 |
| 1962 | 12 | 90 | 4 | 0 | 0 | 17 |
| 1963 | 01 | 95 | 0 | 0 | 0 | 23 |
| 1963 | 02 | 84 | 2 | 0 | 0 | 17 |
| 1963 | 03 | 90 | 6 | 0 | 0 | 14 |
| 1963 | 04 | 98 | 0 | 0 | 0 | 28 |
| 1963 | 05 | 95 | 0 | 0 | 0 | 25 |
| 1963 | 06 | 84 | 0 | 0 | 0 | 33 |
| 1963 | 07 | 94 | 0 | 0 | 0 | 33 |
| 1963 | 08 | 92 | 0 | 0 | 0 | 34 |
| 1963 | 09 | 89 | 0 | 0 | 0 | 34 |
| 1963 | 10 | 95 | 0 | 0 | 0 | 33 |
| 1963 | 11 | 79 | 0 | 0 | 0 | 27 |
| 1963 | 12 | 73 | 1 | 0 | 0 | 20 |
| 1964 | 01 | 49 | 9 | 0 | 0 | 13 |
| 1964 | 04 | 22 | 5 | 0 | 0 | 15 |
| 1964 | 05 | 43 | 9 | 0 | 0 | 15 |
| 1964 | 06 | 48 | 5 | 0 | 0 | 15 |
| 1964 | 07 | 65 | 0 | 0 | 0 | 26 |
| 1964 | 08 | 54 | 0 | 0 | 0 | 25 |
| 1964 | 09 | 57 | 0 | 0 | 0 | 30 |
| 1964 | 10 | 79 | 0 | 0 | 0 | 25 |
| 1964 | 11 | 53 | 6 | 1 | 0 | 10 |
| 1964 | 12 | 56 | 9 | 0 | 0 | 14 |

TABLE 12. (Contd.)

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 73 | 21 | 1 | 0 | 10 |
| 1965 | 02 | 53 | 3 | 2 | 0 | 6 |
| 1965 | 03 | 44 | 2 | 0 | 0 | 19 |
| 1965 | 04 | 77 | 0 | 0 | 0 | 21 |
| 1965 | 05 | 60 | 0 | 0 | 0 | 24 |
| 1965 | 06 | 70 | 0 | 0 | 0 | 24 |
| 1965 | 07 | 68 | 0 | 0 | 0 | 34 |
| 1965 | 08 | 68 | 0 | 0 | 0 | 35 |
| 1965 | 09 | 65 | 0 | 0 | 0 | 30 |
| 1965 | 10 | 62 | 0 | 0 | 0 | 25 |
| 1965 | 11 | 69 | 1 | 0 | 0 | 20 |
| 1965 | 12 | 49 | 11 | 0 | 0 | 14 |
| 1966 | 01 | 58 | 12 | 0 | 0 | 15 |
| 1966 | 02 | 40 | 6 | 0 | 0 | 16 |
| 1966 | 03 | 26 | 2 | 0 | 0 | 16 |
| 1966 | 04 | 47 | 8 | 0 | 0 | 19 |
| 1966 | 05 | 20 | 0 | 0 | 0 | 25 |
| 1967 | 01 | 21 | 0 | 0 | 0 | 25 |
| 1967 | 02 | 20 | 1 | 0 | 0 | 16 |
| 1967 | 03 | 22 | 4 | 1 | 0 | 9 |
| 1967 | 04 | 20 | 3 | 2 | 0 | 9 |
| 1967 | 05 | 26 | 0 | 0 | 0 | 25 |
| 1967 | 06 | 16 | 0 | 0 | 0 | 30 |

TABLE 13. Summary of Results, Earth-Covered Magazines,
NAS, Brunswick, Maine.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|-----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 76 | 1 | 0 | 0 | 20 |
| 1965 | 02 | 317 | 23 | 1 | 0 | 9 |
| 1965 | 03 | 439 | 0 | 0 | 0 | 22 |
| 1965 | 04 | 432 | 0 | 0 | 0 | 21 |
| 1965 | 05 | 473 | 0 | 0 | 0 | 26 |
| 1965 | 06 | 22 | 0 | 0 | 0 | 53 |
| 1965 | 07 | 419 | 0 | 0 | 0 | 54 |
| 1965 | 08 | 151 | 0 | 0 | 0 | 45 |
| 1965 | 09 | 508 | 0 | 0 | 0 | 26 |
| 1965 | 10 | 257 | 0 | 0 | 0 | 32 |
| 1965 | 11 | 372 | 0 | 0 | 0 | 28 |
| 1965 | 12 | 343 | 3 | 0 | 0 | 18 |
| 1966 | 01 | 339 | 25 | 2 | 0 | 2 |
| 1966 | 02 | 349 | 26 | 1 | 0 | 9 |
| 1966 | 03 | 435 | 0 | 0 | 0 | 22 |
| 1966 | 04 | 441 | 0 | 0 | 0 | 28 |
| 1966 | 05 | 456 | 0 | 0 | 0 | 26 |
| 1966 | 06 | 441 | 0 | 0 | 0 | 46 |
| 1966 | 07 | 432 | 0 | 0 | 0 | 54 |
| 1966 | 08 | 477 | 0 | 0 | 0 | 56 |
| 1966 | 09 | 457 | 0 | 0 | 0 | 47 |
| 1966 | 10 | 423 | 0 | 0 | 0 | 34 |
| 1966 | 11 | 380 | 0 | 0 | 0 | 28 |
| 1966 | 12 | 72 | 0 | 0 | 0 | 30 |

TABLE 14. Summary of Results, Non-Earth-Covered Magazines,
NAS, Brunswick, Maine.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|-----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 129 | 60 | 29 | 6 | 0 |
| 1965 | 02 | 159 | 81 | 37 | 5 | 0 |
| 1965 | 03 | 198 | 31 | 0 | 0 | 15 |
| 1965 | 04 | 190 | 1 | 0 | 0 | 20 |
| 1965 | 05 | 206 | 0 | 0 | 0 | 34 |
| 1965 | 06 | 22 | 0 | 0 | 0 | 54 |
| 1965 | 07 | 236 | 0 | 0 | 0 | 56 |
| 1965 | 08 | 82 | 0 | 0 | 0 | 45 |
| 1965 | 09 | 244 | 0 | 0 | 0 | 34 |
| 1965 | 10 | 126 | 0 | 0 | 0 | 33 |
| 1965 | 11 | 184 | 0 | 0 | 0 | 22 |
| 1965 | 12 | 195 | 76 | 13 | 0 | 8 |
| 1966 | 01 | 163 | 114 | 69 | 7 | 0 |
| 1966 | 02 | 161 | 96 | 47 | 6 | 0 |
| 1966 | 03 | 209 | 31 | 0 | 0 | 12 |
| 1966 | 04 | 201 | 1 | 0 | 0 | 20 |
| 1966 | 05 | 206 | 0 | 0 | 0 | 34 |
| 1966 | 06 | 203 | 0 | 0 | 0 | 48 |
| 1966 | 07 | 207 | 0 | 0 | 0 | 56 |
| 1966 | 08 | 209 | 0 | 0 | 0 | 56 |
| 1966 | 09 | 201 | 0 | 0 | 0 | 38 |
| 1966 | 10 | 206 | 0 | 0 | 0 | 26 |
| 1966 | 11 | 200 | 0 | 0 | 0 | 22 |
| 1966 | 12 | 34 | 19 | 1 | 0 | 10 |

TABLE 15. Summary of Results, Earth-Covered Magazines,
NS, Argentina, Newfoundland.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|-----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1965 | 01 | 8 | 0 | 0 | 0 | 25 |
| 1965 | 02 | 1 | 0 | 0 | 0 | 30 |
| 1965 | 03 | 2 | 0 | 0 | 0 | 28 |
| 1965 | 04 | 14 | 0 | 0 | 0 | 27 |
| 1965 | 05 | 6 | 0 | 0 | 0 | 35 |
| 1965 | 06 | 124 | 1 | 0 | 0 | 19 |
| 1965 | 07 | 192 | 0 | 0 | 0 | 38 |
| 1965 | 08 | 61 | 0 | 0 | 0 | 37 |
| 1965 | 09 | 65 | 0 | 0 | 0 | 44 |
| 1965 | 10 | 50 | 0 | 0 | 0 | 33 |
| 1965 | 11 | 58 | 0 | 0 | 0 | 28 |
| 1965 | 12 | 63 | 2 | 0 | 0 | 16 |
| 1966 | 01 | 34 | 4 | 0 | 0 | 13 |
| 1966 | 02 | 41 | 8 | 0 | 0 | 15 |
| 1966 | 03 | 54 | 4 | 0 | 0 | 13 |
| 1966 | 04 | 38 | 1 | 0 | 0 | 20 |
| 1966 | 05 | 39 | 0 | 0 | 0 | 21 |
| 1966 | 06 | 56 | 0 | 0 | 0 | 28 |
| 1966 | 07 | 56 | 0 | 0 | 0 | 32 |
| 1966 | 08 | 73 | 0 | 0 | 0 | 33 |
| 1966 | 09 | 60 | 0 | 0 | 0 | 46 |
| 1966 | 10 | 57 | 0 | 0 | 0 | 42 |
| 1966 | 11 | 61 | 0 | 0 | 0 | 29 |
| 1966 | 12 | 52 | 0 | 0 | 0 | 28 |
| 1967 | 01 | 39 | 1 | 0 | 0 | 20 |
| 1967 | 02 | 14 | 2 | 0 | 0 | 20 |
| 1967 | 03 | 35 | 5 | 0 | 0 | 18 |
| 1967 | 04 | 19 | 5 | 0 | 0 | 19 |
| 1967 | 05 | 34 | 0 | 0 | 0 | 30 |
| 1967 | 06 | 10 | 0 | 0 | 0 | 30 |

TABLE 16. Summary of Results, Earth-Covered Magazines,
NS, Keflavik, Iceland.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1964 | 10 | 9 | 0 | 0 | 0 | 32 |
| 1964 | 11 | 20 | 2 | 0 | 0 | 18 |
| 1964 | 12 | 22 | 1 | 0 | 0 | 20 |
| 1965 | 01 | 20 | 1 | 0 | 0 | 20 |
| 1965 | 02 | 9 | 0 | 0 | 0 | 22 |
| 1965 | 03 | 44 | 3 | 0 | 0 | 20 |
| 1965 | 04 | 24 | 3 | 0 | 0 | 16 |
| 1965 | 05 | 36 | 0 | 0 | 0 | 24 |
| 1965 | 06 | 45 | 0 | 0 | 0 | 32 |
| 1965 | 07 | 36 | 0 | 0 | 0 | 35 |
| 1965 | 08 | 27 | 0 | 0 | 0 | 35 |
| 1965 | 09 | 36 | 0 | 0 | 0 | 40 |
| 1965 | 10 | 27 | 0 | 0 | 0 | 38 |
| 1965 | 11 | 27 | 1 | 0 | 0 | 18 |
| 1965 | 12 | 45 | 6 | 0 | 0 | 20 |
| 1966 | 01 | 25 | 3 | 0 | 0 | 16 |
| 1966 | 02 | 36 | 0 | 0 | 0 | 24 |
| 1966 | 03 | 45 | 0 | 0 | 0 | 24 |
| 1966 | 04 | 27 | 0 | 0 | 0 | 28 |
| 1966 | 05 | 34 | 0 | 0 | 0 | 32 |
| 1966 | 06 | 48 | 0 | 0 | 0 | 40 |
| 1966 | 07 | 30 | 0 | 0 | 0 | 46 |
| 1966 | 08 | 35 | 0 | 0 | 0 | 46 |
| 1966 | 09 | 19 | 0 | 0 | 0 | 40 |
| 1966 | 10 | 24 | 0 | 0 | 0 | 36 |
| 1966 | 11 | 22 | 0 | 0 | 0 | 28 |
| 1966 | 12 | 11 | 0 | 0 | 0 | 24 |
| 1967 | 01 | 20 | 0 | 0 | 0 | 24 |
| 1967 | 02 | 20 | 1 | 0 | 0 | 20 |
| 1967 | 03 | 30 | 8 | 4 | 0 | 8 |
| 1967 | 04 | 20 | 0 | 0 | 0 | 22 |
| 1967 | 05 | 9 | 0 | 0 | 0 | 26 |

TABLE 17. Summary of Results, Non-Fath-Covered Magazines,
NS, Keflavik, Iceland.

| YEAR | MO | N | The number of data points
less than or equal to | | | MIN
TEMP |
|------|----|----|--|------|-----|-------------|
| | | | 20°F | 10°F | 0°F | |
| 1964 | 10 | 9 | 0 | 0 | 0 | 32 |
| 1964 | 11 | 16 | 6 | 0 | 0 | 14 |
| 1964 | 12 | 16 | 12 | 1 | 0 | 9 |
| 1965 | 01 | 27 | 26 | 7 | 0 | 6 |
| 1965 | 02 | 8 | 6 | 0 | 0 | 16 |
| 1965 | 03 | 30 | 13 | 3 | 0 | 4 |
| 1965 | 04 | 14 | 4 | 0 | 0 | 20 |
| 1965 | 05 | 18 | 0 | 0 | 0 | 30 |
| 1965 | 06 | 26 | 0 | 0 | 0 | 38 |
| 1965 | 07 | 28 | 0 | 0 | 0 | 40 |
| 1965 | 08 | 21 | 0 | 0 | 0 | 30 |
| 1965 | 09 | 28 | 0 | 0 | 0 | 32 |
| 1965 | 10 | 21 | 0 | 0 | 0 | 24 |
| 1965 | 11 | 15 | 3 | 0 | 0 | 15 |
| 1965 | 12 | 27 | 15 | 3 | 0 | 10 |
| 1966 | 01 | 13 | 9 | 4 | 0 | 6 |
| 1966 | 02 | 21 | 17 | 0 | 0 | 12 |
| 1966 | 03 | 25 | 8 | 0 | 0 | 20 |
| 1966 | 04 | 15 | 1 | 0 | 0 | 20 |
| 1966 | 05 | 20 | 0 | 0 | 0 | 30 |
| 1966 | 06 | 31 | 0 | 0 | 0 | 38 |
| 1966 | 07 | 20 | 0 | 0 | 0 | 48 |
| 1966 | 08 | 23 | 0 | 0 | 0 | 42 |
| 1966 | 09 | 20 | 0 | 0 | 0 | 38 |
| 1966 | 10 | 20 | 0 | 0 | 0 | 26 |
| 1966 | 11 | 10 | 0 | 0 | 0 | 22 |
| 1966 | 12 | 9 | 3 | 1 | 0 | 7 |
| 1967 | 01 | 12 | 6 | 0 | 0 | 12 |
| 1967 | 02 | 12 | 3 | 0 | 0 | 20 |
| 1967 | 03 | 20 | 10 | 3 | 0 | 6 |
| 1967 | 04 | 7 | 4 | 2 | 0 | 10 |
| 1967 | 05 | 1 | 0 | 0 | 0 | 42 |

Appendix D

APPLICABLE STATISTICS

The standard deviation given along with the average maximum and average minimum temperatures is a measure of dispersion (precision, reproducibility, spread, scatter, etc.) of temperatures within the month. If it is assumed that the temperature readings within each month are dispersed normally (Gaussian distribution) then the standard deviation (σ), can easily be used for calculating the percentage of temperature readings that would exceed nominal temperatures. The Gaussian distribution is a group of measurements that is symmetrical about the average. That is, the spread of measurements below and above the average would appear as equally descending bell-shaped curves on either side of the average.¹ Skewness is a term used to define the degree of departure from the symmetrical bell-shaped curve. Figure 37 presents this Gaussian information. The distributions for within-month temperatures differ from month to month in that the skewness of these distributions differ. However, the skewness is never so extreme that the assumption of normality, which can easily provide the prediction of approximate percentage points, can be discarded.

Temperature averages for the eight storage sites under consideration in this report are given in Tables 18 through 31. An explanation of the symbols is as follows:

- D = date, followed by month and year
- LOC = Location; i. e., NAD, Bremerton, Washington
- N = Number of data points measured
- X = Average
- SD = Standard deviation
- LT = Low temperature (minimum)
- HT = High temperature (maximum)

¹For a Gaussian distribution, the average (μ) minus 1 standard deviation (σ) to the average (μ) plus 1 standard deviation (σ), that is $\mu \pm 1\sigma$, includes approximately 68 percent of all the values of the distribution. Similarly $\mu \pm 2\sigma$ covers 95 percent and $\mu \pm 3\sigma$ covers 99 percent of all the values of the distribution.

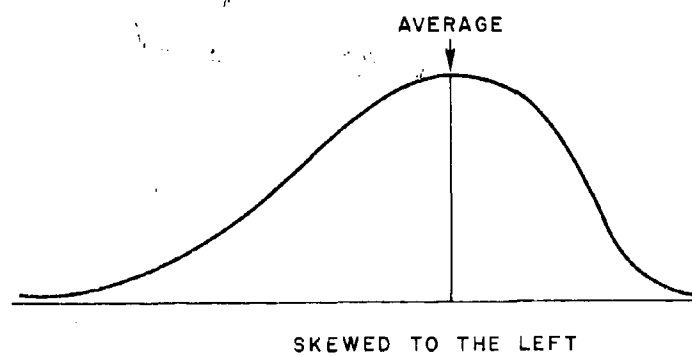
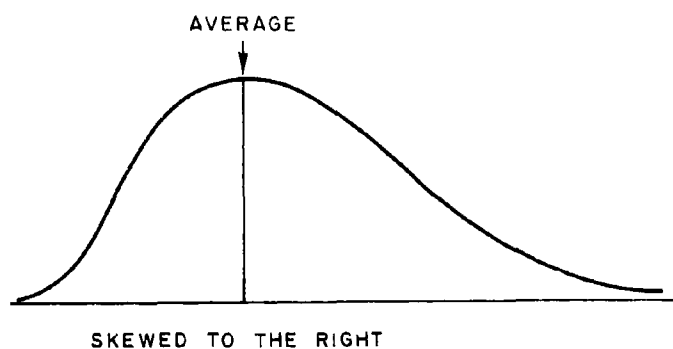
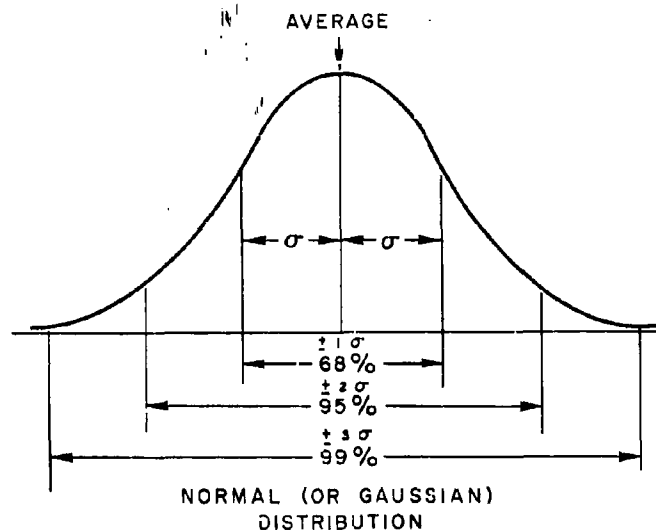


FIG. 37. Gaussian Distribution and Skewed Distributions.

TABLE 18. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NAD, Bremerton, Washington.

| | | | | | | |
|---------|------------------|-------|-------|----|-------|----|
| D 01 65 | NAD, BREMERTON N | 34 X | 37.97 | SD | 2.516 | LT |
| D 01 65 | NAD, BREMERTON H | 34 X | 49.71 | SD | 5.000 | HT |
| D 02 65 | NAD, BREMERTON N | 67 X | 39.48 | SD | 1.599 | LT |
| D 02 65 | NAD, BREMERTON H | 67 X | 46.06 | SD | 2.522 | HT |
| D 03 65 | NAD, BREMERTON N | 66 X | 40.68 | SD | 1.255 | LT |
| D 03 65 | NAD, BREMERTON H | 66 X | 48.74 | SD | 4.449 | HT |
| D 04 65 | NAD, BREMERTON N | 196 X | 41.93 | SD | 2.330 | LT |
| D 04 65 | NAD, BREMERTON H | 196 X | 53.13 | SD | 4.129 | HT |
| D 05 65 | NAD, BREMERTON N | 195 X | 51.96 | SD | 3.505 | LT |
| D 05 65 | NAD, BREMERTON H | 195 X | 63.07 | SD | 2.438 | HT |
| D 06 65 | NAD, BREMERTON N | 212 X | 57.62 | SD | 5.308 | LT |
| D 06 65 | NAD, BREMERTON H | 212 X | 70.94 | SD | 4.679 | HT |
| D 07 65 | NAD, BREMERTON N | 207 X | 59.66 | SD | 3.076 | LT |
| D 07 65 | NAD, BREMERTON H | 207 X | 70.02 | SD | 4.533 | HT |
| D 08 65 | NAD, BREMERTON N | 215 X | 56.08 | SD | 2.606 | LT |
| D 08 65 | NAD, BREMERTON H | 215 X | 63.72 | SD | 3.337 | HT |
| D 09 65 | NAD, BREMERTON N | 71 X | 53.31 | SD | 1.968 | LT |
| D 09 65 | NAD, BREMERTON H | 71 X | 59.38 | SD | 3.244 | HT |
| D 10 65 | NAD, BREMERTON N | 162 X | 42.91 | SD | 2.273 | LT |
| D 10 65 | NAD, BREMERTON H | 162 X | 54.81 | SD | 2.531 | HT |
| D 02 66 | NAD, BREMERTON N | 167 X | 38.56 | SD | 2.124 | LT |
| D 02 66 | NAD, BREMERTON H | 167 X | 49.43 | SD | 5.436 | HT |
| D 03 66 | NAD, BREMERTON N | 230 X | 39.73 | SD | 1.351 | LT |
| D 03 66 | NAD, BREMERTON H | 230 X | 46.17 | SD | 2.303 | HT |
| D 04 66 | NAD, BREMERTON N | 219 X | 42.01 | SD | 2.443 | LT |
| D 04 66 | NAD, BREMERTON H | 219 X | 52.80 | SD | 3.205 | HT |
| D 05 66 | NAD, BREMERTON N | 229 X | 47.16 | SD | 2.484 | LT |
| D 05 66 | NAD, BREMERTON H | 229 X | 56.67 | SD | 3.347 | HT |
| D 06 66 | NAD, BREMERTON N | 142 X | 51.45 | SD | 2.230 | LT |
| D 06 66 | NAD, BREMERTON H | 142 X | 58.23 | SD | 3.060 | HT |
| D 07 66 | NAD, BREMERTON N | 84 X | 54.80 | SD | 1.919 | LT |
| D 07 66 | NAD, BREMERTON H | 84 X | 61.05 | SD | 2.856 | HT |
| D 08 66 | NAD, BREMERTON N | 7 X | 53.57 | SD | 1.272 | LT |
| D 08 66 | NAD, BREMERTON H | 7 X | 70.00 | SD | 3.266 | HT |
| D 09 66 | NAD, BREMERTON N | 60 X | 57.08 | SD | 4.962 | LT |
| D 09 66 | NAD, BREMERTON H | 60 X | 66.52 | SD | 4.527 | HT |
| D 10 66 | NAD, BREMERTON N | 178 X | 51.96 | SD | 2.420 | LT |
| D 10 66 | NAD, BREMERTON H | 178 X | 65.38 | SD | 4.425 | HT |
| D 11 66 | NAD, BREMERTON N | 83 X | 51.02 | SD | 1.801 | LT |
| D 11 66 | NAD, BREMERTON H | 83 X | 63.95 | SD | 4.093 | HT |
| D 12 66 | NAD, BREMERTON N | 52 X | 46.21 | SD | 1.564 | LT |
| D 12 66 | NAD, BREMERTON H | 52 X | 54.92 | SD | 5.437 | HT |

TABLE 18. (Contd.)

| | | | | | | |
|---------|------------------|-------|-------|----|-------|----|
| D 01 67 | NAD, BREMERTON N | 121 X | 42.36 | SD | 1.928 | LT |
| D 01 67 | NAD, BREMERTON N | 121 X | 49.40 | SD | 4.549 | HT |
| D 02 67 | NAD, BREMERTON N | 82 X | 42.65 | SD | 1.211 | LT |
| D 02 67 | NAD, BREMERTON N | 82 X | 47.89 | SD | 3.988 | HT |
| D 03 67 | NAD, BREMERTON N | 84 X | 41.80 | SD | 1.073 | LT |
| D 03 67 | NAD, BREMERTON N | 84 X | 48.37 | SD | 6.691 | HT |
| D 04 67 | NAD, BREMERTON N | 86 X | 43.28 | SD | 1.452 | LT |
| D 04 67 | NAD, BREMERTON N | 86 X | 50.21 | SD | 3.178 | HT |
| D 05 67 | NAD, BREMERTON N | 145 X | 44.85 | SD | 2.161 | LT |
| D 05 67 | NAD, BREMERTON N | 145 X | 55.29 | SD | 4.379 | HT |
| D 06 67 | NAD, BREMERTON N | 194 X | 43.93 | SD | 4.504 | LT |
| D 06 67 | NAD, BREMERTON N | 194 X | 64.07 | SD | 4.720 | HT |
| D 07 67 | NAD, BREMERTON N | 175 X | 57.47 | SD | 5.882 | LT |
| D 07 67 | NAD, BREMERTON N | 175 X | 67.11 | SD | 4.007 | HT |
| D 08 67 | NAD, BREMERTON N | 228 X | 61.11 | SD | 4.876 | LT |
| D 08 67 | NAD, BREMERTON N | 228 X | 70.44 | SD | 4.973 | HT |
| D 09 67 | NAD, BREMERTON N | 95 X | 59.44 | SD | 5.592 | LT |
| D 09 67 | NAD, BREMERTON N | 95 X | 66.82 | SD | 6.413 | HT |
| D 10 67 | NAD, BREMERTON N | 102 X | 55.05 | SD | 5.469 | LT |
| D 10 67 | NAD, BREMERTON N | 102 X | 63.60 | SD | 7.011 | HT |

TABLE 19. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NAD, Seattle, Washington.

| | | | | | | | |
|---------|--------|-----------|------|-------|----|-------|----|
| D 01 66 | N.A.S. | SEATTLE N | 16 X | 39.56 | SD | 2.159 | LT |
| D 01 66 | N.A.S. | SEATTLE N | 16 X | 45.50 | SD | 2.066 | HT |
| D 02 66 | N.A.S. | SEATTLE N | 16 X | 40.31 | SD | 2.915 | LT |
| D 02 66 | N.A.S. | SEATTLE N | 16 X | 46.12 | SD | 2.473 | HT |
| D 03 66 | N.A.S. | SEATTLE N | 20 X | 40.90 | SD | 3.768 | LT |
| D 03 66 | N.A.S. | SEATTLE N | 20 X | 50.50 | SD | 3.663 | HT |
| D 04 66 | N.A.S. | SEATTLE N | 16 X | 45.12 | SD | 2.680 | LT |
| D 04 66 | N.A.S. | SEATTLE N | 16 X | 52.69 | SD | 3.877 | HT |
| D 05 66 | N.A.S. | SEATTLE N | 14 X | 49.71 | SD | 3.124 | LT |
| D 05 66 | N.A.S. | SEATTLE N | 14 X | 60.07 | SD | 4.531 | HT |
| D 06 66 | N.A.S. | SEATTLE N | 20 X | 56.75 | SD | 4.529 | LT |
| D 06 66 | N.A.S. | SEATTLE N | 20 X | 63.85 | SD | 5.040 | HT |
| D 07 66 | N.A.S. | SEATTLE N | 17 X | 59.29 | SD | 2.756 | LT |
| D 07 66 | N.A.S. | SEATTLE N | 17 X | 67.06 | SD | 4.007 | HT |
| D 08 66 | N.A.S. | SEATTLE N | 14 X | 62.57 | SD | 2.533 | LT |
| D 08 66 | N.A.S. | SEATTLE N | 14 X | 67.43 | SD | 4.569 | HT |
| D 09 66 | N.A.S. | SEATTLE N | 21 X | 59.67 | SD | 3.941 | LT |
| D 09 66 | N.A.S. | SEATTLE N | 21 X | 67.52 | SD | 5.250 | HT |
| D 10 66 | N.A.S. | SEATTLE N | 18 X | 53.83 | SD | 4.567 | LT |
| D 10 66 | N.A.S. | SEATTLE N | 18 X | 61.94 | SD | 6.830 | HT |
| D 11 66 | N.A.S. | SEATTLE N | 25 X | 48.16 | SD | 3.210 | LT |
| D 11 66 | N.A.S. | SEATTLE N | 25 X | 52.44 | SD | 3.477 | HT |
| D 12 66 | N.A.S. | SEATTLE N | 15 X | 44.20 | SD | 3.167 | LT |
| D 12 66 | N.A.S. | SEATTLE N | 15 X | 50.27 | SD | 4.682 | HT |
| D 01 67 | N.A.S. | SEATTLE N | 20 X | 42.75 | SD | 3.323 | LT |
| D 01 67 | N.A.S. | SEATTLE N | 20 X | 45.80 | SD | 1.609 | HT |
| D 02 67 | N.A.S. | SEATTLE N | 10 X | 41.50 | SD | 3.689 | LT |
| D 02 67 | N.A.S. | SEATTLE N | 10 X | 46.20 | SD | 5.329 | HT |
| D 03 67 | N.A.S. | SEATTLE N | 15 X | 42.87 | SD | 1.506 | LT |
| D 03 67 | N.A.S. | SEATTLE N | 15 X | 44.00 | SD | 1.309 | HT |
| D 04 67 | N.A.S. | SEATTLE N | 19 X | 43.47 | SD | 2.590 | LT |
| D 04 67 | N.A.S. | SEATTLE N | 19 X | 51.11 | SD | 3.650 | HT |
| D 05 67 | N.A.S. | SEATTLE N | 25 X | 50.88 | SD | 4.275 | LT |
| D 05 67 | N.A.S. | SEATTLE N | 25 X | 55.80 | SD | 4.708 | HT |
| D 06 67 | N.A.S. | SEATTLE N | 20 X | 59.45 | SD | 3.748 | LT |
| D 06 67 | N.A.S. | SEATTLE N | 20 X | 67.70 | SD | 4.725 | HT |

TABLE 20. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, NAS, Seattle, Washington.

| | | | | | | | |
|---------|--------|-----------|------|-------|----|-------|----|
| D 01 66 | N.A.S. | SEATTLE N | 12 X | 35.92 | SD | 4.078 | LT |
| D 01 66 | N.A.S. | SEATTLE N | 12 X | 45.83 | SD | 4.174 | HT |
| D 02 66 | N.A.S. | SEATTLE N | 11 X | 37.27 | SD | 3.636 | LT |
| D 02 66 | N.A.S. | SEATTLE N | 11 X | 45.60 | SD | 5.079 | HT |
| D 03 66 | N.A.S. | SEATTLE N | 13 X | 38.00 | SD | 5.627 | LT |
| D 03 66 | N.A.S. | SEATTLE N | 13 X | 48.15 | SD | 6.414 | HT |
| D 04 66 | N.A.S. | SEATTLE N | 9 X | 43.33 | SD | 4.690 | LT |
| D 04 66 | N.A.S. | SEATTLE N | 9 X | 52.11 | SD | 7.356 | HT |
| D 05 66 | N.A.S. | SEATTLE N | 9 X | 49.67 | SD | 4.213 | LT |
| D 05 66 | N.A.S. | SEATTLE N | 9 X | 69.56 | SD | 5.855 | HT |
| D 06 66 | N.A.S. | SEATTLE N | 14 X | 56.29 | SD | 4.714 | LT |
| D 06 66 | N.A.S. | SEATTLE N | 14 X | 70.86 | SD | 5.187 | HT |
| D 07 66 | N.A.S. | SEATTLE N | 9 X | 57.67 | SD | 4.330 | LT |
| D 07 66 | N.A.S. | SEATTLE N | 9 X | 72.89 | SD | 5.645 | HT |
| D 08 66 | N.A.S. | SEATTLE N | 7 X | 63.43 | SD | 3.910 | LT |
| D 08 66 | N.A.S. | SEATTLE N | 7 X | 70.00 | SD | 8.246 | HT |
| D 09 66 | N.A.S. | SEATTLE N | 7 X | 59.00 | SD | 8.907 | LT |
| D 09 66 | N.A.S. | SEATTLE N | 7 X | 71.71 | SD | 5.823 | HT |
| D 10 66 | N.A.S. | SEATTLE N | 8 X | 53.62 | SD | 6.545 | LT |
| D 10 66 | N.A.S. | SEATTLE N | 8 X | 66.25 | SD | 5.651 | HT |
| D 11 66 | N.A.S. | SEATTLE N | 10 X | 44.90 | SD | 4.533 | LT |
| D 11 66 | N.A.S. | SEATTLE N | 10 X | 55.50 | SD | 3.598 | HT |
| D 12 66 | N.A.S. | SEATTLE N | 6 X | 40.50 | SD | 4.461 | LT |
| D 12 66 | N.A.S. | SEATTLE N | 6 X | 52.50 | SD | 5.244 | HT |
| D 01 67 | N.A.S. | SEATTLE N | 8 X | 41.50 | SD | 1.512 | LT |
| D 01 67 | N.A.S. | SEATTLE N | 8 X | 48.87 | SD | 5.222 | HT |
| D 02 67 | N.A.S. | SEATTLE N | 4 X | 40.60 | SD | 2.828 | LT |
| D 02 67 | N.A.S. | SEATTLE N | 4 X | 48.00 | SD | 5.715 | HT |
| D 03 67 | N.A.S. | SEATTLE N | 6 X | 43.17 | SD | 1.329 | LT |
| D 03 67 | N.A.S. | SEATTLE N | 6 X | 44.33 | SD | 1.033 | HT |
| D 04 67 | N.A.S. | SEATTLE N | 6 X | 41.75 | SD | 3.327 | LT |
| D 04 67 | N.A.S. | SEATTLE N | 8 X | 50.25 | SD | 5.230 | HT |
| D 05 67 | N.A.S. | SEATTLE N | 10 X | 51.10 | SD | 4.886 | LT |
| D 05 67 | N.A.S. | SEATTLE N | 10 X | 56.50 | SD | 5.759 | HT |
| D 06 67 | N.A.S. | SEATTLE N | 9 X | 60.62 | SD | 3.204 | LT |
| D 06 67 | N.A.S. | SEATTLE N | 8 X | 75.25 | SD | 8.697 | HT |

TABLE 21. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, Ft. Richardson, Alaska.

| | | | | | |
|---------|---------------|---|-------|---|----|
| D 03 56 | FT. R. ALASKA | X | 24.00 | - | LT |
| D 03 56 | FT. R. ALASKA | X | 28.00 | - | HT |
| D 04 56 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 04 56 | FT. R. ALASKA | X | 35.00 | - | HT |
| D 05 56 | FT. R. ALASKA | X | 37.00 | - | LT |
| L 05 56 | FT. R. ALASKA | X | 39.00 | - | HT |
| D 06 56 | FT. R. ALASKA | X | 46.00 | - | LT |
| D 06 56 | FT. R. ALASKA | X | 49.00 | - | HT |
| D 07 56 | FT. R. ALASKA | X | 53.00 | - | LT |
| D 07 56 | FT. R. ALASKA | X | 57.00 | - | HT |
| D 08 56 | FT. R. ALASKA | X | 54.00 | - | LT |
| D 08 56 | FT. R. ALASKA | X | 56.00 | - | HT |
| D 09 56 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 09 56 | FT. R. ALASKA | X | 52.00 | - | HT |
| D 10 56 | FT. R. ALASKA | X | 37.00 | - | LT |
| D 10 56 | FT. R. ALASKA | X | 40.00 | - | HT |
| D 11 56 | FT. R. ALASKA | X | 29.00 | - | LT |
| D 11 56 | FT. R. ALASKA | X | 31.00 | - | HT |
| D 12 56 | FT. R. ALASKA | X | 25.00 | - | LT |
| D 12 56 | FT. R. ALASKA | X | 27.00 | - | HT |
| D 01 57 | FT. R. ALASKA | X | 26.00 | - | LT |
| D 01 57 | FT. R. ALASKA | X | 27.00 | - | HT |
| D 02 57 | FT. R. ALASKA | X | 25.00 | - | LT |
| D 02 57 | FT. R. ALASKA | X | 31.00 | - | HT |
| D 03 57 | FT. R. ALASKA | X | 29.00 | - | LT |
| D 03 57 | FT. R. ALASKA | X | 36.00 | - | HT |
| D 04 57 | FT. R. ALASKA | X | 34.00 | - | LT |
| D 04 57 | FT. R. ALASKA | X | 45.00 | - | HT |
| D 05 57 | FT. R. ALASKA | X | 41.00 | - | LT |
| L 05 57 | FT. R. ALASKA | X | 56.00 | - | HT |
| L 06 57 | FT. R. ALASKA | X | 54.00 | - | LT |
| D 06 57 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 07 57 | FT. R. ALASKA | X | 60.00 | - | LT |
| D 07 57 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 08 57 | FT. R. ALASKA | X | 59.00 | - | LT |
| D 08 57 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 09 57 | FT. R. ALASKA | X | 53.00 | - | LT |
| L 09 57 | FT. R. ALASKA | X | 56.00 | - | HT |
| D 10 57 | FT. R. ALASKA | X | 43.00 | - | LT |
| L 10 57 | FT. R. ALASKA | X | 45.00 | - | HT |
| D 11 57 | FT. R. ALASKA | X | 39.00 | - | LT |
| D 11 57 | FT. R. ALASKA | X | 40.00 | - | HT |
| L 12 57 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 12 57 | FT. R. ALASKA | X | 33.00 | - | HT |

TABLE 21. (Contd.)

| | | | | | |
|---------|---------------|---|-------|---|----|
| D 01 58 | FT. R. ALASKA | X | 28.00 | - | LT |
| D 01 58 | FT. R. ALASKA | X | 29.00 | - | HT |
| D 02 58 | FT. R. ALASKA | X | 27.00 | - | LT |
| D 02 58 | FT. R. ALASKA | X | 33.00 | - | HT |
| D 03 58 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 03 58 | FT. R. ALASKA | X | 38.00 | - | HT |
| D 04 58 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 04 58 | FT. R. ALASKA | X | 45.00 | - | HT |
| D 05 58 | FT. R. ALASKA | X | 41.00 | - | LT |
| D 05 58 | FT. R. ALASKA | X | 54.00 | - | HT |
| D 06 58 | FT. R. ALASKA | X | 51.00 | - | LT |
| D 06 58 | FT. R. ALASKA | X | 57.00 | - | HT |
| D 07 58 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 07 58 | FT. R. ALASKA | X | 58.00 | - | HT |
| D 08 58 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 08 58 | FT. R. ALASKA | X | 58.00 | - | HT |
| D 09 58 | FT. R. ALASKA | X | 45.00 | - | LT |
| D 09 58 | FT. R. ALASKA | X | 53.00 | - | HT |
| D 10 58 | FT. R. ALASKA | X | 39.00 | - | LT |
| D 10 58 | FT. R. ALASKA | X | 41.00 | - | HT |
| D 11 58 | FT. R. ALASKA | X | 32.00 | - | LT |
| D 11 58 | FT. R. ALASKA | X | 33.00 | - | HT |
| D 12 58 | FT. R. ALASKA | X | 29.00 | - | LT |
| D 12 58 | FT. R. ALASKA | X | 30.00 | - | HT |
| D 01 59 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 01 59 | FT. R. ALASKA | X | 24.00 | - | HT |
| D 02 59 | FT. R. ALASKA | X | 26.00 | - | LT |
| D 02 59 | FT. R. ALASKA | X | 27.00 | - | HT |
| D 03 59 | FT. R. ALASKA | X | 25.00 | - | LT |
| D 03 59 | FT. R. ALASKA | X | 35.00 | - | HT |
| D 04 59 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 04 59 | FT. R. ALASKA | X | 43.00 | - | HT |
| D 05 59 | FT. R. ALASKA | X | 39.00 | - | LT |
| D 05 59 | FT. R. ALASKA | X | 53.00 | - | HT |
| D 06 59 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 06 59 | FT. R. ALASKA | X | 57.00 | - | HT |
| D 07 59 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 07 59 | FT. R. ALASKA | X | 58.00 | - | HT |
| D 08 59 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 08 59 | FT. R. ALASKA | X | 58.00 | - | HT |
| D 09 59 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 09 59 | FT. R. ALASKA | X | 52.00 | - | HT |
| D 10 59 | FT. R. ALASKA | X | 41.00 | - | LT |
| D 10 59 | FT. R. ALASKA | X | 42.00 | - | HT |
| D 11 59 | FT. R. ALASKA | X | 34.00 | - | LT |
| D 11 59 | FT. R. ALASKA | X | 35.00 | - | HT |
| D 12 59 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 12 59 | FT. R. ALASKA | X | 32.00 | - | HT |

TABLE 21. (Contd.)

| | | | | | |
|---------|---------------|---|-------|---|----|
| D 01 60 | FT. R. ALASKA | X | 28.00 | - | LT |
| D 01 60 | FT. R. ALASKA | X | 31.00 | - | HT |
| D 02 60 | FT. R. ALASKA | X | 30.00 | - | LT |
| D 02 60 | FT. R. ALASKA | X | 32.00 | - | HT |
| D 03 60 | FT. R. ALASKA | X | 29.00 | - | LT |
| D 03 60 | FT. R. ALASKA | X | 37.00 | - | HT |
| D 04 60 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 04 60 | FT. R. ALASKA | X | 49.00 | - | HT |
| D 05 60 | FT. R. ALASKA | X | 44.00 | - | LT |
| D 05 60 | FT. R. ALASKA | X | 54.50 | - | HT |
| D 06 60 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 06 60 | FT. R. ALASKA | X | 60.00 | - | HT |
| D 07 60 | FT. R. ALASKA | X | 57.00 | - | LT |
| D 07 60 | FT. R. ALASKA | X | 60.00 | - | HT |
| D 08 60 | FT. R. ALASKA | X | 58.00 | - | LT |
| D 08 60 | FT. R. ALASKA | X | 59.50 | - | HT |
| D 09 60 | FT. R. ALASKA | X | 51.00 | - | LT |
| D 09 60 | FT. R. ALASKA | X | 53.00 | - | HT |
| D 10 60 | FT. R. ALASKA | X | 43.00 | - | LT |
| D 10 60 | FT. R. ALASKA | X | 45.50 | - | HT |
| D 11 60 | FT. R. ALASKA | X | 35.50 | - | LT |
| D 11 60 | FT. R. ALASKA | X | 38.40 | - | HT |
| D 12 60 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 12 60 | FT. R. ALASKA | X | 34.00 | - | HT |
| D 01 61 | FT. R. ALASKA | X | 27.00 | - | LT |
| D 01 61 | FT. R. ALASKA | X | 30.00 | - | HT |
| D 02 61 | FT. R. ALASKA | X | 27.50 | - | LT |
| D 02 61 | FT. R. ALASKA | X | 30.50 | - | HT |
| D 03 61 | FT. R. ALASKA | X | 26.00 | - | LT |
| D 03 61 | FT. R. ALASKA | X | 29.00 | - | HT |
| D 04 61 | FT. R. ALASKA | X | 32.00 | - | LT |
| D 04 61 | FT. R. ALASKA | X | 35.00 | - | HT |
| D 05 61 | FT. R. ALASKA | X | 38.00 | - | LT |
| D 05 61 | FT. R. ALASKA | X | 40.20 | - | HT |
| D 06 61 | FT. R. ALASKA | X | 47.00 | - | LT |
| D 06 61 | FT. R. ALASKA | X | 50.00 | - | HT |
| D 07 61 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 07 61 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 08 61 | FT. R. ALASKA | X | 56.00 | - | LT |
| D 08 61 | FT. R. ALASKA | X | 66.00 | - | HT |
| D 09 61 | FT. R. ALASKA | X | 49.00 | - | LT |
| D 09 61 | FT. R. ALASKA | X | 54.00 | - | HT |
| D 10 61 | FT. R. ALASKA | X | 42.50 | - | LT |
| D 10 61 | FT. R. ALASKA | X | 44.00 | - | HT |
| D 11 61 | FT. R. ALASKA | X | 33.00 | - | LT |
| D 11 61 | FT. R. ALASKA | X | 35.60 | - | HT |
| D 12 61 | FT. R. ALASKA | X | 27.00 | - | LT |
| D 12 61 | FT. R. ALASKA | X | 27.60 | - | HT |

TABLE 21. (Contd.)

| | | | | | | | |
|---------|---------------|---|------|-------|----|-------|----|
| D 01 62 | FT. R. ALASKA | N | 22 X | 25.77 | SD | 1.307 | LT |
| D 01 62 | FT. R. ALASKA | N | 22 X | 28.14 | SD | 1.490 | HT |
| D 02 62 | FT. R. ALASKA | N | 19 X | 26.37 | SD | 1.499 | LT |
| D 02 62 | FT. R. ALASKA | N | 19 X | 28.58 | SD | 1.387 | HT |
| D 03 62 | FT. R. ALASKA | N | 22 X | 27.73 | SD | 1.120 | LT |
| D 03 62 | FT. R. ALASKA | N | 22 X | 30.32 | SD | .477 | HT |
| D 04 62 | FT. R. ALASKA | N | 21 X | 31.19 | SD | .981 | LT |
| D 04 62 | FT. R. ALASKA | N | 21 X | 33.38 | SD | 1.203 | HT |
| D 05 62 | FT. R. ALASKA | N | 22 X | 34.95 | SD | 1.988 | LT |
| D 05 62 | FT. R. ALASKA | N | 22 X | 37.45 | SD | 2.132 | HT |
| D 06 62 | FT. R. ALASKA | N | 21 X | 44.95 | SD | 4.295 | LT |
| D 06 62 | FT. R. ALASKA | N | 21 X | 48.24 | SD | 4.288 | HT |
| D 07 62 | FT. R. ALASKA | N | 21 X | 53.67 | SD | 1.713 | LT |
| D 07 62 | FT. R. ALASKA | N | 21 X | 56.76 | SD | 1.513 | HT |
| D 08 62 | FT. R. ALASKA | N | 23 X | 55.26 | SD | .864 | LT |
| D 08 62 | FT. R. ALASKA | N | 23 X | 58.26 | SD | .864 | HT |
| D 09 62 | FT. R. ALASKA | N | 19 X | 47.16 | SD | 2.794 | LT |
| D 09 62 | FT. R. ALASKA | N | 19 X | 52.26 | SD | 2.642 | HT |
| D 10 62 | FT. R. ALASKA | N | 23 X | 42.13 | SD | 2.752 | LT |
| D 10 62 | FT. R. ALASKA | N | 23 X | 44.91 | SD | 2.372 | HT |
| D 11 62 | FT. R. ALASKA | N | 19 X | 32.95 | SD | 4.708 | LT |
| D 11 62 | FT. R. ALASKA | N | 19 X | 35.84 | SD | 4.425 | HT |
| D 12 62 | FT. R. ALASKA | N | 18 X | 27.06 | SD | 1.305 | LT |
| D 12 62 | FT. R. ALASKA | N | 18 X | 29.56 | SD | 1.653 | HT |
| D 01 63 | FT. R. ALASKA | N | 22 X | 26.00 | SD | 2.182 | LT |
| D 01 63 | FT. R. ALASKA | N | 22 X | 28.55 | SD | 2.650 | HT |
| D 02 63 | FT. R. ALASKA | N | 19 X | 25.63 | SD | 1.257 | LT |
| D 02 63 | FT. R. ALASKA | N | 19 X | 28.58 | SD | 1.387 | HT |
| D 03 63 | FT. R. ALASKA | N | 21 X | 28.52 | SD | 1.123 | LT |
| D 03 63 | FT. R. ALASKA | N | 21 X | 31.62 | SD | 1.322 | HT |
| D 04 63 | FT. R. ALASKA | N | 22 X | 29.95 | SD | 1.495 | LT |
| D 04 63 | FT. R. ALASKA | N | 22 X | 32.59 | SD | 1.368 | HT |
| D 05 63 | FT. R. ALASKA | N | 21 X | 35.76 | SD | 3.491 | LT |
| D 05 63 | FT. R. ALASKA | N | 21 X | 38.29 | SD | 3.770 | HT |
| D 06 63 | FT. R. ALASKA | N | 20 X | 44.10 | SD | 2.174 | LT |
| D 06 63 | FT. R. ALASKA | N | 20 X | 47.60 | SD | 2.437 | HT |
| D 07 63 | FT. R. ALASKA | N | 21 X | 51.95 | SD | 2.459 | LT |
| D 07 63 | FT. R. ALASKA | N | 21 X | 55.81 | SD | 2.695 | HT |
| D 08 63 | FT. R. ALASKA | N | 22 X | 52.55 | SD | 2.502 | LT |
| D 08 63 | FT. R. ALASKA | N | 22 X | 56.36 | SD | .790 | HT |
| D 09 63 | FT. R. ALASKA | N | 20 X | 51.45 | SD | 1.432 | LT |
| D 09 63 | FT. R. ALASKA | N | 20 X | 54.55 | SD | 1.669 | HT |
| D 10 63 | FT. R. ALASKA | N | 23 X | 42.13 | SD | 4.556 | LT |
| D 10 63 | FT. R. ALASKA | N | 23 X | 45.61 | SD | 4.304 | HT |
| D 11 63 | FT. R. ALASKA | N | 17 X | 28.82 | SD | 4.733 | LT |
| D 11 63 | FT. R. ALASKA | N | 17 X | 33.29 | SD | 3.869 | HT |
| D 12 63 | FT. R. ALASKA | N | 21 X | 28.14 | SD | 1.526 | LT |
| D 12 63 | FT. R. ALASKA | N | 21 X | 31.66 | SD | 1.769 | HT |

TABLE 21. (Contd.)

| | | | | | | | |
|---------|---------------|---|------|-------|----|-------|----|
| D 01 64 | FT. R. ALASKA | N | 22 X | 24.82 | SD | 1.651 | LT |
| D 01 64 | FT. R. ALASKA | N | 22 X | 28.36 | SD | 1.891 | HT |
| D 02 64 | FT. R. ALASKA | N | 19 X | 23.47 | SD | .964 | LT |
| D 02 64 | FT. R. ALASKA | N | 19 X | 27.63 | SD | 1.116 | HT |
| D 03 64 | FT. R. ALASKA | N | 22 X | 25.36 | SD | 1.465 | LT |
| D 03 64 | FT. R. ALASKA | N | 22 X | 28.73 | SD | 1.518 | HT |
| D 04 64 | FT. R. ALASKA | N | 22 X | 29.09 | SD | 1.849 | LT |
| D 04 64 | FT. R. ALASKA | N | 22 X | 32.77 | SD | 2.137 | HT |
| D 05 64 | FT. R. ALASKA | N | 20 X | 33.15 | SD | 1.348 | LT |
| D 05 64 | FT. R. ALASKA | N | 20 X | 36.80 | SD | 1.576 | HT |
| D 06 64 | FT. R. ALASKA | N | 21 X | 43.67 | SD | 2.394 | LT |
| D 06 64 | FT. R. ALASKA | N | 21 X | 46.24 | SD | .889 | HT |
| D 07 64 | FT. R. ALASKA | N | 21 X | 47.43 | SD | 1.630 | LT |
| D 07 64 | FT. R. ALASKA | N | 21 X | 48.71 | SD | 1.554 | HT |
| D 08 64 | FT. R. ALASKA | N | 21 X | 49.00 | SD | .894 | LT |
| D 08 64 | FT. R. ALASKA | N | 21 X | 50.29 | SD | .463 | HT |
| D 09 64 | FT. R. ALASKA | N | 22 X | 46.59 | SD | .959 | LT |
| D 09 64 | FT. R. ALASKA | N | 22 X | 49.73 | SD | .456 | HT |
| D 10 64 | FT. R. ALASKA | N | 22 X | 41.68 | SD | 2.885 | LT |
| D 10 64 | FT. R. ALASKA | N | 22 X | 46.09 | SD | 3.100 | HT |
| D 11 64 | FT. R. ALASKA | N | 18 X | 33.83 | SD | 1.855 | LT |
| D 11 64 | FT. R. ALASKA | N | 18 X | 37.56 | SD | 1.977 | HT |
| D 12 64 | FT. R. ALASKA | N | 21 X | 29.57 | SD | 1.989 | LT |
| D 12 64 | FT. R. ALASKA | N | 21 X | 31.10 | SD | 2.343 | HT |
| D 01 65 | FT. R. ALASKA | N | 20 X | 23.35 | SD | 2.207 | LT |
| D 01 65 | FT. R. ALASKA | N | 20 X | 25.55 | SD | 1.849 | HT |
| D 02 65 | FT. R. ALASKA | N | 19 X | 22.47 | SD | 1.020 | LT |
| D 02 65 | FT. R. ALASKA | N | 19 X | 24.21 | SD | .535 | HT |
| D 03 65 | FT. R. ALASKA | N | 23 X | 27.30 | SD | 3.154 | LT |
| D 03 65 | FT. R. ALASKA | N | 23 X | 29.09 | SD | 3.029 | HT |
| D 04 65 | FT. R. ALASKA | N | 22 X | 31.95 | SD | .653 | LT |
| D 04 65 | FT. R. ALASKA | N | 22 X | 34.64 | SD | 1.399 | HT |
| D 05 65 | FT. R. ALASKA | N | 19 X | 34.37 | SD | 2.499 | LT |
| D 05 65 | FT. R. ALASKA | N | 19 X | 38.42 | SD | 2.341 | HT |
| D 06 65 | FT. R. ALASKA | N | 22 X | 42.68 | SD | 2.056 | LT |
| D 06 65 | FT. R. ALASKA | N | 22 X | 44.86 | SD | .941 | HT |
| D 07 65 | FT. R. ALASKA | N | 20 X | 47.50 | SD | 1.000 | LT |
| D 07 65 | FT. R. ALASKA | N | 20 X | 48.55 | SD | 1.099 | HT |
| D 08 65 | FT. R. ALASKA | N | 27 X | 48.15 | SD | 1.099 | LT |
| D 08 65 | FT. R. ALASKA | N | 27 X | 49.89 | SD | .847 | HT |
| D 09 65 | FT. R. ALASKA | N | 22 X | 46.00 | SD | 1.155 | LT |
| D 09 65 | FT. R. ALASKA | N | 22 X | 48.55 | SD | .739 | HT |
| D 10 65 | FT. R. ALASKA | N | 21 X | 38.29 | SD | 3.923 | LT |
| D 10 65 | FT. R. ALASKA | N | 21 X | 40.48 | SD | 4.070 | HT |
| D 11 65 | FT. R. ALASKA | N | 20 X | 30.00 | SD | 2.294 | LT |
| D 11 65 | FT. R. ALASKA | N | 20 X | 32.85 | SD | 1.387 | HT |
| D 12 65 | FT. R. ALASKA | N | 21 X | 26.33 | SD | 1.926 | LT |
| D 12 65 | FT. R. ALASKA | N | 21 X | 28.67 | SD | 2.352 | HT |

TABLE 21. (Contd.)

| | | | | | | | |
|---------|---------------|---|------|-------|----|-------|----|
| D 01 66 | FT. R. ALASKA | N | 21 X | 21.95 | SD | .921 | LT |
| D 01 66 | FT. R. ALASKA | N | 21 X | 24.43 | SD | .746 | HT |
| D 02 66 | FT. R. ALASKA | N | 19 X | 23.58 | SD | .692 | LT |
| D 02 66 | FT. R. ALASKA | N | 19 X | 27.42 | SD | 2.009 | HT |
| D 03 66 | FT. R. ALASKA | N | 23 X | 21.83 | SD | 2.902 | LT |
| D 03 66 | FT. R. ALASKA | N | 23 X | 25.30 | SD | 2.439 | HT |
| D 04 66 | FT. R. ALASKA | N | 21 X | 30.71 | SD | 1.271 | LT |
| D 04 66 | FT. R. ALASKA | N | 21 X | 32.81 | SD | 1.289 | HT |
| D 05 66 | FT. R. ALASKA | N | 21 X | 35.86 | SD | 2.128 | LT |
| D 05 66 | FT. R. ALASKA | N | 21 X | 37.95 | SD | 1.987 | HT |
| D 06 66 | FT. R. ALASKA | N | 22 X | 45.32 | SD | 2.868 | LT |
| D 06 66 | FT. R. ALASKA | N | 22 X | 47.82 | SD | 3.290 | HT |
| D 07 66 | FT. R. ALASKA | N | 20 X | 52.25 | SD | 2.468 | LT |
| D 07 66 | FT. R. ALASKA | N | 20 X | 55.15 | SD | 2.134 | HT |
| D 08 66 | FT. R. ALASKA | N | 23 X | 53.04 | SD | 1.331 | LT |
| D 08 66 | FT. R. ALASKA | N | 23 X | 55.78 | SD | 1.380 | HT |
| D 09 66 | FT. R. ALASKA | N | 21 X | 48.14 | SD | 1.982 | LT |
| D 09 66 | FT. R. ALASKA | N | 21 X | 50.90 | SD | 2.022 | HT |
| D 10 66 | FT. R. ALASKA | N | 21 X | 39.95 | SD | 4.330 | LT |
| D 10 66 | FT. R. ALASKA | N | 21 X | 42.52 | SD | 4.143 | HT |
| D 11 66 | FT. R. ALASKA | N | 20 X | 31.10 | SD | 1.971 | LT |
| D 11 66 | FT. R. ALASKA | N | 20 X | 33.70 | SD | 1.809 | HT |
| D 12 66 | FT. R. ALASKA | N | 21 X | 24.71 | SD | 2.305 | LT |
| D 12 66 | FT. R. ALASKA | N | 21 X | 28.43 | SD | 2.293 | HT |
| D 01 67 | FT. R. ALASKA | N | 21 X | 23.29 | SD | 2.004 | LT |
| D 01 67 | FT. R. ALASKA | N | 21 X | 25.81 | SD | 1.537 | HT |
| D 02 67 | FT. R. ALASKA | N | 19 X | 20.47 | SD | .772 | LT |
| D 02 67 | FT. R. ALASKA | N | 19 X | 24.95 | SD | 1.079 | HT |
| D 03 67 | FT. R. ALASKA | N | 23 X | 23.48 | SD | .898 | LT |
| D 03 67 | FT. R. ALASKA | N | 23 X | 28.35 | SD | .982 | HT |
| D 04 67 | FT. R. ALASKA | N | 20 X | 27.60 | SD | 1.536 | LT |
| D 04 67 | FT. R. ALASKA | N | 20 X | 29.05 | SD | .686 | HT |
| D 05 67 | FT. R. ALASKA | N | 22 X | 33.51 | SD | 3.146 | LT |
| D 05 67 | FT. R. ALASKA | N | 22 X | 36.27 | SD | 3.667 | HT |
| D 06 67 | FT. R. ALASKA | N | 22 X | 44.32 | SD | 4.258 | LT |
| D 06 67 | FT. R. ALASKA | N | 22 X | 46.41 | SD | 4.067 | HT |
| D 07 67 | FT. R. ALASKA | N | 19 X | 52.37 | SD | 2.166 | LT |
| D 07 67 | FT. R. ALASKA | N | 19 X | 53.84 | SD | 1.573 | HT |

TABLE 22. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, Ft. Richardson, Alaska.

| | | | | | |
|---------|---------------|---|-------|---|----|
| D 04 58 | FT. R. ALASKA | X | 40.00 | - | LT |
| D 04 58 | FT. R. ALASKA | X | 46.00 | - | HT |
| D 05 58 | FT. R. ALASKA | X | 47.00 | - | LT |
| D 05 58 | FT. R. ALASKA | X | 57.00 | - | HT |
| D 06 58 | FT. R. ALASKA | X | 59.00 | - | LT |
| D 06 58 | FT. R. ALASKA | X | 65.00 | - | HT |
| D 07 58 | FT. R. ALASKA | X | 60.00 | - | LT |
| D 07 58 | FT. R. ALASKA | X | 64.00 | - | HT |
| D 08 58 | FT. R. ALASKA | X | 55.00 | - | LT |
| D 08 58 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 09 58 | FT. R. ALASKA | X | 49.00 | - | LT |
| D 09 58 | FT. R. ALASKA | X | 53.00 | - | HT |
| D 10 58 | FT. R. ALASKA | X | 31.00 | - | LT |
| D 10 58 | FT. R. ALASKA | X | 35.00 | - | HT |
| D 11 58 | FT. R. ALASKA | X | 22.00 | - | LT |
| D 11 58 | FT. R. ALASKA | X | 25.00 | - | HT |
| D 12 58 | FT. R. ALASKA | X | 18.00 | - | LT |
| D 12 58 | FT. R. ALASKA | X | 20.00 | - | HT |
| D 01 59 | FT. R. ALASKA | X | 10.00 | - | LT |
| D 01 59 | FT. R. ALASKA | X | 13.00 | - | HT |
| D 02 59 | FT. R. ALASKA | X | 21.00 | - | LT |
| D 02 59 | FT. R. ALASKA | X | 24.00 | - | HT |
| D 03 59 | FT. R. ALASKA | X | 20.00 | - | LT |
| D 03 59 | FT. R. ALASKA | X | 26.00 | - | HT |
| D 04 59 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 04 59 | FT. R. ALASKA | X | 40.00 | - | HT |
| D 05 59 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 05 59 | FT. R. ALASKA | X | 56.00 | - | HT |
| D 06 59 | FT. R. ALASKA | X | 62.00 | - | LT |
| D 06 59 | FT. R. ALASKA | X | 70.00 | - | HT |
| D 07 59 | FT. R. ALASKA | X | 60.00 | - | LT |
| D 07 59 | FT. R. ALASKA | X | 64.00 | - | HT |
| D 08 59 | FT. R. ALASKA | X | 61.00 | - | LT |
| D 08 59 | FT. R. ALASKA | X | 63.00 | - | HT |
| D 09 59 | FT. R. ALASKA | X | 50.00 | - | LT |
| D 09 59 | FT. R. ALASKA | X | 54.00 | - | HT |
| D 10 59 | FT. R. ALASKA | X | 32.00 | - | LT |
| D 10 59 | FT. R. ALASKA | X | 37.00 | - | HT |
| D 11 59 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 11 59 | FT. R. ALASKA | X | 29.00 | - | HT |
| D 12 59 | FT. R. ALASKA | X | 20.00 | - | LT |
| D 12 59 | FT. R. ALASKA | X | 24.00 | - | HT |

TABLE 22. (Contd.)

| | | | | | |
|---------|---------------|---|-------|---|----|
| D 01 60 | FT. R. ALASKA | X | 18.00 | - | LT |
| D 01 60 | FT. R. ALASKA | X | 23.00 | - | HT |
| D 02 60 | FT. R. ALASKA | X | 22.00 | - | LT |
| D 02 60 | FT. R. ALASKA | X | 27.00 | - | HT |
| D 03 60 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 03 60 | FT. R. ALASKA | X | 31.00 | - | HT |
| D 04 60 | FT. R. ALASKA | X | 24.00 | - | LT |
| D 04 60 | FT. R. ALASKA | X | 40.00 | - | HT |
| D 05 60 | FT. R. ALASKA | X | 40.00 | - | LT |
| D 05 60 | FT. R. ALASKA | X | 58.00 | - | HT |
| D 06 60 | FT. R. ALASKA | X | 59.00 | - | LT |
| D 06 60 | FT. R. ALASKA | X | 62.00 | - | HT |
| D 07 60 | FT. R. ALASKA | X | 61.00 | - | LT |
| D 07 60 | FT. R. ALASKA | X | 60.00 | - | HT |
| D 08 60 | FT. R. ALASKA | X | 56.00 | - | LT |
| D 08 60 | FT. R. ALASKA | X | 65.00 | - | HT |
| D 09 60 | FT. R. ALASKA | X | 47.00 | - | LT |
| D 09 60 | FT. R. ALASKA | X | 54.00 | - | HT |
| D 10 60 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 10 60 | FT. R. ALASKA | X | 40.00 | - | HT |
| D 11 60 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 11 60 | FT. R. ALASKA | X | 30.00 | - | HT |
| D 12 60 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 12 60 | FT. R. ALASKA | X | 25.00 | - | HT |
| D 01 61 | FT. R. ALASKA | X | 14.00 | - | LT |
| D 01 61 | FT. R. ALASKA | X | 23.00 | - | HT |
| D 02 61 | FT. R. ALASKA | X | 17.00 | - | LT |
| D 02 61 | FT. R. ALASKA | X | 24.00 | - | HT |
| D 03 61 | FT. R. ALASKA | X | 27.00 | - | LT |
| D 03 61 | FT. R. ALASKA | X | 36.00 | - | HT |
| D 04 61 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 04 61 | FT. R. ALASKA | X | 39.00 | - | HT |
| D 05 61 | FT. R. ALASKA | X | 47.00 | - | LT |
| D 05 61 | FT. R. ALASKA | X | 57.00 | - | HT |
| D 06 61 | FT. R. ALASKA | X | 54.00 | - | LT |
| D 06 61 | FT. R. ALASKA | X | 65.00 | - | HT |
| D 07 61 | FT. R. ALASKA | X | 35.00 | - | LT |
| D 07 61 | FT. R. ALASKA | X | 67.00 | - | HT |
| D 08 61 | FT. R. ALASKA | X | 53.00 | - | LT |
| D 08 61 | FT. R. ALASKA | X | 63.00 | - | HT |
| D 09 61 | FT. R. ALASKA | X | 49.00 | - | LT |
| D 09 61 | FT. R. ALASKA | X | 55.00 | - | HT |
| D 10 61 | FT. R. ALASKA | X | 38.00 | - | LT |
| D 10 61 | FT. R. ALASKA | X | 44.00 | - | HT |
| D 11 61 | FT. R. ALASKA | X | 23.00 | - | LT |
| D 11 61 | FT. R. ALASKA | X | 30.00 | - | HT |
| D 12 61 | FT. R. ALASKA | X | 15.00 | - | LT |
| D 12 61 | FT. R. ALASKA | X | 21.00 | - | HT |

TABLE 22. (Contd.)

| | | | | | | | | |
|---------|--------|--------|---|------|-------|----|--------|----|
| D 01 62 | FT. R. | ALASKA | N | 22 X | 10.59 | SD | 4.239 | LT |
| D 01 62 | FT. R. | ALASKA | N | 22 X | 19.63 | SL | 4.998 | HT |
| D 02 62 | FT. R. | ALASKA | N | 19 X | 15.05 | SD | 6.160 | LT |
| D 02 62 | FT. R. | ALASKA | N | 19 X | 24.53 | SD | 5.211 | HT |
| D 03 62 | FT. R. | ALASKA | N | 22 X | 21.05 | SL | 4.884 | LT |
| D 03 62 | FT. R. | ALASKA | N | 22 X | 29.41 | SD | 4.479 | HT |
| D 04 62 | FT. R. | ALASKA | N | 21 X | 36.05 | SD | 6.771 | LT |
| D 04 62 | FT. R. | ALASKA | N | 21 X | 45.48 | SD | 5.653 | HT |
| D 05 62 | FT. R. | ALASKA | N | 22 X | 46.50 | SD | 3.839 | LT |
| D 05 62 | FT. R. | ALASKA | N | 22 X | 55.68 | SD | 3.257 | HT |
| D 06 62 | FT. R. | ALASKA | N | 21 X | 55.71 | SD | 4.562 | LT |
| D 06 62 | FT. R. | ALASKA | N | 21 X | 64.95 | SD | 6.168 | HT |
| D 07 62 | FT. R. | ALASKA | N | 21 X | 63.24 | SD | 5.147 | LT |
| D 07 62 | FT. R. | ALASKA | N | 21 X | 72.52 | SD | 4.262 | HT |
| D 08 62 | FT. R. | ALASKA | N | 23 X | 60.22 | SL | 3.074 | LT |
| D 08 62 | FT. R. | ALASKA | N | 23 X | 68.00 | SD | 3.826 | HT |
| D 09 62 | FT. R. | ALASKA | N | 19 X | 46.63 | SD | 3.483 | LT |
| D 09 62 | FT. R. | ALASKA | N | 19 X | 55.63 | SD | 4.717 | HT |
| D 10 62 | FT. R. | ALASKA | N | 23 X | 38.65 | SD | 3.857 | LT |
| D 10 62 | FT. R. | ALASKA | N | 23 X | 44.48 | SD | 5.035 | HT |
| D 11 62 | FT. R. | ALASKA | N | 19 X | 22.42 | SD | 9.167 | LT |
| D 11 62 | FT. R. | ALASKA | N | 19 X | 30.58 | SD | 9.771 | HT |
| D 12 62 | FT. R. | ALASKA | N | 16 X | 15.72 | SD | 11.198 | LT |
| D 12 62 | FT. R. | ALASKA | N | 16 X | 21.78 | SD | 10.597 | HT |
| D 01 63 | FT. R. | ALASKA | N | 20 X | 16.75 | SD | 12.464 | LT |
| D 01 63 | FT. R. | ALASKA | N | 20 X | 23.45 | SD | 10.410 | HT |
| D 02 63 | FT. R. | ALASKA | N | 19 X | 20.47 | SD | 6.141 | LT |
| D 02 63 | FT. R. | ALASKA | N | 19 X | 25.84 | SD | 6.492 | HT |
| D 03 63 | FT. R. | ALASKA | N | 21 X | 24.62 | SD | 4.295 | LT |
| D 03 63 | FT. R. | ALASKA | N | 21 X | 32.48 | SD | 4.833 | HT |
| D 04 63 | FT. R. | ALASKA | N | 22 X | 30.82 | SD | 6.261 | LT |
| D 04 63 | FT. R. | ALASKA | N | 22 X | 39.50 | SD | 5.861 | HT |
| D 05 63 | FT. R. | ALASKA | N | 21 X | 49.66 | SD | 5.668 | LT |
| D 05 63 | FT. R. | ALASKA | N | 21 X | 58.90 | SD | 6.511 | HT |
| D 06 63 | FT. R. | ALASKA | N | 20 X | 55.25 | SD | 3.432 | LT |
| D 06 63 | FT. R. | ALASKA | N | 20 X | 64.15 | SD | 3.200 | HT |
| D 07 63 | FT. R. | ALASKA | N | 21 X | 61.95 | SD | 4.248 | LT |
| D 07 63 | FT. R. | ALASKA | N | 21 X | 69.52 | SD | 5.715 | HT |
| D 08 63 | FT. R. | ALASKA | N | 22 X | 59.45 | SD | 3.851 | LT |
| D 08 63 | FT. R. | ALASKA | N | 22 X | 67.36 | SD | 4.304 | HT |
| D 09 63 | FT. R. | ALASKA | N | 20 X | 53.35 | SD | 4.120 | LT |
| D 09 63 | FT. R. | ALASKA | N | 20 X | 61.40 | SD | 4.661 | HT |
| D 10 63 | FT. R. | ALASKA | N | 23 X | 37.57 | SD | 6.693 | LT |
| D 10 63 | FT. R. | ALASKA | N | 23 X | 44.00 | SD | 6.882 | HT |
| D 11 63 | FT. R. | ALASKA | N | 16 X | 17.56 | SD | 8.922 | LT |
| D 11 63 | FT. R. | ALASKA | N | 16 X | 23.12 | SD | 7.974 | HT |
| D 12 63 | FT. R. | ALASKA | N | 21 X | 21.05 | SD | 7.025 | LT |
| D 12 63 | FT. R. | ALASKA | N | 21 X | 27.71 | SL | 4.724 | HT |

TABLE 22. (Contd.)

| | | | | | | | | |
|---------|--------|--------|---|------|-------|----|-------|----|
| D 01 64 | FT. R. | ALASKA | N | 22 X | 14.14 | SD | 5.439 | LT |
| D 01 64 | FT. R. | ALASKA | N | 22 X | 19.14 | SD | 4.549 | HT |
| D 02 64 | FT. R. | ALASKA | N | 19 X | 17.74 | SD | 8.096 | LT |
| D 02 64 | FT. R. | ALASKA | N | 19 X | 25.84 | SD | 7.755 | HT |
| D 03 64 | FT. R. | ALASKA | N | 20 X | 20.60 | SD | 4.453 | LT |
| D 03 64 | FT. R. | ALASKA | N | 20 X | 28.75 | SD | 4.315 | HT |
| D 04 64 | FT. R. | ALASKA | N | 22 X | 32.77 | SD | 5.571 | LT |
| D 04 64 | FT. R. | ALASKA | N | 22 X | 42.59 | SD | 3.912 | HT |
| D 05 64 | FT. R. | ALASKA | N | 20 X | 43.60 | SD | 4.057 | LT |
| D 05 64 | FT. R. | ALASKA | N | 20 X | 52.85 | SD | 2.700 | HT |
| D 06 64 | FT. R. | ALASKA | N | 21 X | 60.24 | SD | 4.158 | LT |
| D 06 64 | FT. R. | ALASKA | N | 21 X | 70.05 | SD | 3.485 | HT |
| D 07 64 | FT. R. | ALASKA | N | 21 X | 60.81 | SD | 4.986 | LT |
| D 07 64 | FT. R. | ALASKA | N | 21 X | 71.38 | SD | 3.369 | HT |
| D 08 64 | FT. R. | ALASKA | N | 21 X | 55.86 | SD | 3.928 | LT |
| D 08 64 | FT. R. | ALASKA | N | 21 X | 65.52 | SD | 4.389 | HT |
| D 09 64 | FT. R. | ALASKA | N | 22 X | 52.55 | SD | 3.700 | LT |
| D 09 64 | FT. R. | ALASKA | N | 22 X | 59.64 | SD | 5.314 | HT |
| D 10 64 | FT. R. | ALASKA | N | 22 X | 38.59 | SD | 7.196 | LT |
| D 10 64 | FT. R. | ALASKA | N | 22 X | 44.73 | SD | 6.874 | HT |
| D 11 64 | FT. R. | ALASKA | N | 18 X | 25.39 | SD | 4.877 | LT |
| D 11 64 | FT. R. | ALASKA | N | 18 X | 30.56 | SD | 2.791 | HT |
| D 12 64 | FT. R. | ALASKA | N | 21 X | 8.24 | SD | 6.870 | LT |
| D 12 64 | FT. R. | ALASKA | N | 21 X | 13.14 | SD | 6.295 | HT |
| D 01 65 | FT. R. | ALASKA | N | 18 X | 12.94 | SD | 7.989 | LT |
| D 01 65 | FT. R. | ALASKA | N | 18 X | 17.06 | SD | 8.592 | HT |
| D 02 65 | FT. R. | ALASKA | N | 19 X | 15.05 | SD | 4.007 | LT |
| D 02 65 | FT. R. | ALASKA | N | 19 X | 19.84 | SD | 4.438 | HT |
| D 03 65 | FT. R. | ALASKA | N | 23 X | 31.39 | SD | 6.597 | LT |
| D 03 65 | FT. R. | ALASKA | N | 23 X | 34.87 | SD | 6.002 | HT |
| D 04 65 | FT. R. | ALASKA | N | 22 X | 39.82 | SD | 4.294 | LT |
| D 04 65 | FT. R. | ALASKA | N | 22 X | 45.86 | SD | 4.411 | HT |
| D 05 65 | FT. R. | ALASKA | N | 19 X | 45.11 | SD | 5.685 | LT |
| D 05 65 | FT. R. | ALASKA | N | 19 X | 51.84 | SD | 5.993 | HT |
| D 06 65 | FT. R. | ALASKA | N | 22 X | 52.23 | SD | 4.985 | LT |
| D 06 65 | FT. R. | ALASKA | N | 22 X | 59.27 | SD | 2.334 | HT |
| D 07 65 | FT. R. | ALASKA | N | 20 X | 60.25 | SD | 3.041 | LT |
| D 07 65 | FT. R. | ALASKA | N | 20 X | 65.70 | SD | 3.600 | HT |
| D 08 65 | FT. R. | ALASKA | N | 37 X | 57.92 | SD | 2.671 | LT |
| D 08 65 | FT. R. | ALASKA | N | 37 X | 63.73 | SD | 4.005 | HT |
| D 09 65 | FT. R. | ALASKA | N | 22 X | 52.73 | SD | 5.193 | LT |
| D 09 65 | FT. R. | ALASKA | N | 22 X | 57.09 | SD | 5.639 | HT |
| D 10 65 | FT. R. | ALASKA | N | 9 X | 29.00 | SD | 3.606 | LT |
| D 10 65 | FT. R. | ALASKA | N | 9 X | 33.22 | SD | 1.986 | HT |
| D 11 65 | FT. R. | ALASKA | N | 20 X | 21.05 | SD | 5.385 | LT |
| D 11 65 | FT. R. | ALASKA | N | 20 X | 26.65 | SD | 5.314 | HT |
| D 12 65 | FT. R. | ALASKA | N | 21 X | 15.05 | SD | 6.225 | LT |
| D 12 65 | FT. R. | ALASKA | N | 21 X | 18.19 | SD | 7.711 | HT |

TABLE 22. (Contd.)

| | | | | | | | |
|---------|---------------|---|------|-------|----|-------|----|
| D 01 66 | FT. R. ALASKA | N | 21 X | 10.24 | SD | 5.567 | LT |
| D 01 66 | FT. R. ALASKA | N | 21 X | 12.66 | SD | 6.303 | HT |
| D 02 66 | FT. R. ALASKA | N | 19 X | 17.74 | SD | 4.039 | LT |
| D 02 66 | FT. R. ALASKA | N | 19 X | 24.05 | SD | 3.325 | HT |
| L 03 66 | FT. R. ALASKA | N | 23 X | 21.22 | SD | 7.317 | LT |
| L 03 66 | FT. R. ALASKA | N | 23 X | 27.70 | SD | 5.912 | HT |
| D 04 66 | FT. R. ALASKA | N | 21 X | 37.67 | SD | 3.246 | LT |
| D 04 66 | FT. R. ALASKA | N | 21 X | 44.57 | SD | 3.682 | HT |
| D 05 66 | FT. R. ALASKA | N | 21 X | 47.62 | SD | 1.802 | LT |
| D 05 66 | FT. R. ALASKA | N | 21 X | 53.66 | SD | 2.886 | HT |
| L 06 66 | FT. R. ALASKA | N | 22 X | 60.36 | SD | 3.922 | LT |
| D 06 66 | FT. R. ALASKA | N | 22 X | 67.95 | SD | 4.582 | HT |
| D 07 66 | FT. R. ALASKA | N | 20 X | 63.65 | SD | 3.815 | LT |
| D 07 66 | FT. R. ALASKA | N | 20 X | 70.10 | SD | 6.173 | HT |
| D 08 66 | FT. R. ALASKA | N | 23 X | 57.43 | SD | 4.756 | LT |
| D 08 66 | FT. R. ALASKA | N | 23 X | 63.22 | SD | 4.786 | HT |
| D 09 66 | FT. R. ALASKA | N | 21 X | 49.86 | SD | 3.071 | LT |
| D 09 66 | FT. R. ALASKA | N | 21 X | 56.29 | SD | 4.617 | HT |
| L 10 66 | FT. R. ALASKA | N | 21 X | 35.10 | SD | 9.208 | LT |
| D 10 66 | FT. R. ALASKA | N | 21 X | 39.52 | SD | 8.953 | HT |
| D 11 66 | FT. R. ALASKA | N | 20 X | 22.55 | SD | 5.196 | LT |
| D 11 66 | FT. R. ALASKA | N | 20 X | 26.10 | SD | 5.281 | HT |
| D 12 66 | FT. R. ALASKA | N | 21 X | 9.76 | SD | 5.108 | LT |
| D 12 66 | FT. R. ALASKA | N | 21 X | 17.62 | SD | 4.165 | HT |
| D 01 67 | FT. R. ALASKA | N | 21 X | 13.38 | SD | 3.248 | LT |
| D 01 67 | FT. R. ALASKA | N | 21 X | 17.05 | SD | 2.974 | HT |
| D 02 67 | FT. R. ALASKA | N | 19 X | 14.58 | SD | 4.948 | LT |
| D 02 67 | FT. R. ALASKA | N | 19 X | 22.16 | SD | 5.113 | HT |
| L 03 67 | FT. R. ALASKA | N | 23 X | 27.70 | SD | 2.566 | LT |
| D 03 67 | FT. R. ALASKA | N | 23 X | 34.48 | SD | 3.489 | HT |
| L 04 67 | FT. R. ALASKA | N | 20 X | 38.85 | SD | 3.031 | LT |
| D 04 67 | FT. R. ALASKA | N | 20 X | 45.25 | SD | 3.726 | HT |
| D 05 67 | FT. R. ALASKA | N | 22 X | 49.05 | SD | 7.188 | LT |
| D 05 67 | FT. R. ALASKA | N | 22 X | 59.77 | SD | 4.898 | HT |
| L 06 67 | FT. R. ALASKA | N | 22 X | 59.91 | SD | 3.250 | LT |
| L 06 67 | FT. R. ALASKA | N | 22 X | 64.23 | SD | 4.908 | HT |
| D 07 67 | FT. R. ALASKA | N | 19 X | 62.47 | SD | 4.414 | LT |
| D 07 67 | FT. R. ALASKA | N | 19 X | 69.95 | SD | 5.492 | HT |

TABLE 23. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NS, Kodiak, Alaska.

| | | | | | | | | |
|---------|------|--------|---|------|-------|----|-------|----|
| D 01 67 | N.S. | KODIAK | N | 27 X | 30.04 | SD | 4.229 | LT |
| L 01 67 | N.S. | KODIAK | N | 27 X | 33.67 | SD | 3.772 | HT |
| D 02 67 | N.S. | KODIAK | N | 27 X | 29.67 | SD | 4.270 | LT |
| D 02 67 | N.S. | KODIAK | N | 27 X | 33.48 | SD | 2.293 | HT |
| D 03 67 | N.S. | KODIAK | N | 34 X | 32.32 | SD | 2.671 | LT |
| D 03 67 | N.S. | KODIAK | N | 34 X | 34.62 | SD | 2.229 | HT |
| D 04 67 | N.S. | KODIAK | N | 33 X | 34.76 | SD | 2.926 | LT |
| L 04 67 | N.S. | KODIAK | N | 33 X | 38.61 | SD | 4.723 | HT |
| D 05 67 | N.S. | KODIAK | N | 45 X | 41.09 | SD | 3.741 | LT |
| L 05 67 | N.S. | KODIAK | N | 45 X | 45.13 | SD | 4.630 | HT |
| D 06 67 | N.S. | KODIAK | N | 30 X | 46.70 | SD | 2.120 | LT |
| D 06 67 | N.S. | KODIAK | N | 30 X | 50.70 | SD | 3.949 | HT |
| D 07 67 | N.S. | KODIAK | N | 37 X | 51.22 | SD | 8.274 | LT |
| D 07 67 | N.S. | KODIAK | N | 37 X | 60.41 | SD | 6.457 | HT |
| L 08 67 | N.S. | KODIAK | N | 32 X | 53.59 | SD | 1.739 | LT |
| D 08 67 | N.S. | KODIAK | N | 32 X | 58.16 | SD | 4.205 | HT |

TABLE 24. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, NS, Kodiak, Alaska.

| | | | | | | | | |
|---------|------|--------|---|------|-------|----|-------|----|
| 0 07 66 | N.S. | KODIAK | N | 5 X | 47.40 | SD | 5.983 | LT |
| 0 07 66 | N.S. | KODIAK | N | 5 X | 69.80 | SD | 7.014 | HT |
| 0 08 66 | N.S. | KODIAK | N | 23 X | 52.00 | SD | 4.945 | LT |
| 0 09 66 | N.S. | KODIAK | N | 23 X | 70.35 | SD | 2.886 | HT |
| 0 09 66 | N.S. | KODIAK | N | 21 X | 48.61 | SD | 4.285 | LT |
| 0 10 66 | N.S. | KODIAK | N | 21 X | 65.38 | SD | 4.727 | HT |
| 0 10 66 | N.S. | KODIAK | N | 21 X | 36.05 | SD | 9.086 | LT |
| 0 11 66 | N.S. | KODIAK | N | 21 X | 57.67 | SD | 8.422 | HT |
| 0 11 66 | N.S. | KODIAK | N | 20 X | 29.65 | SD | 3.498 | LT |
| 0 12 66 | N.S. | KODIAK | N | 20 X | 42.60 | SD | 7.214 | HT |
| 0 12 66 | N.S. | KODIAK | N | 21 X | 26.19 | SD | 4.792 | LT |
| 0 01 67 | N.S. | KODIAK | N | 21 X | 35.57 | SD | 4.760 | HT |
| 0 01 67 | N.S. | KODIAK | N | 49 X | 24.96 | SD | 3.867 | LT |
| 0 02 67 | N.S. | KODIAK | N | 49 X | 32.59 | SD | 4.546 | HT |
| 0 02 67 | N.S. | KODIAK | N | 50 X | 22.84 | SD | 4.137 | LT |
| 0 03 67 | N.S. | KODIAK | N | 50 X | 33.04 | SD | 4.086 | HT |
| 0 03 67 | N.S. | KODIAK | N | 63 X | 29.10 | SD | 4.336 | LT |
| 0 04 67 | N.S. | KODIAK | N | 63 X | 40.76 | SD | 4.888 | HT |
| 0 04 67 | N.S. | KODIAK | N | 61 X | 35.64 | SD | 4.820 | LT |
| 0 05 67 | N.S. | KODIAK | N | 61 X | 46.05 | SD | 4.738 | HT |
| 0 05 67 | N.S. | KODIAK | N | 72 X | 42.43 | SD | 4.849 | LT |
| 0 06 67 | N.S. | KODIAK | N | 72 X | 55.26 | SD | 6.400 | HT |
| 0 06 67 | N.S. | KODIAK | N | 64 X | 48.72 | SD | 3.543 | LT |
| 0 07 67 | N.S. | KODIAK | N | 64 X | 59.59 | SD | 3.477 | HT |
| 0 07 67 | N.S. | KODIAK | N | 62 X | 55.52 | SD | 7.873 | LT |
| 0 08 67 | N.S. | KODIAK | N | 62 X | 71.15 | SD | 6.135 | HT |
| 0 08 67 | N.S. | KODIAK | N | 53 X | 53.68 | SD | 4.510 | LT |
| 0 08 67 | N.S. | KODIAK | N | 53 X | 65.28 | SD | 5.500 | HT |

GRAPHIC NOT REPRODUCIBLE

TABLE 25. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NS, Adak, Alaska.

| | | | | | | | |
|---------|--------------|---|------|-------|----|-------|----|
| D 01 59 | ADAK, ALASKA | N | 56 X | 32.00 | SD | 3.208 | LT |
| D 01 59 | ADAK, ALASKA | N | 56 X | 37.27 | SD | 3.451 | HT |
| D 02 59 | ADAK, ALASKA | N | 60 X | 31.92 | SD | 2.445 | LT |
| D 02 59 | ADAK, ALASKA | N | 60 X | 36.87 | SD | 3.591 | HT |
| D 03 59 | ADAK, ALASKA | N | 71 X | 31.48 | SD | 2.698 | LT |
| D 03 59 | ADAK, ALASKA | N | 71 X | 37.17 | SD | 3.902 | HT |
| D 04 59 | ADAK, ALASKA | N | 65 X | 34.17 | SD | 4.211 | LT |
| D 04 59 | ADAK, ALASKA | N | 65 X | 42.95 | SD | 6.355 | HT |
| D 05 59 | ADAK, ALASKA | N | 60 X | 36.63 | SD | 1.983 | LT |
| D 05 59 | ADAK, ALASKA | N | 60 X | 43.23 | SD | 4.474 | HT |
| D 06 59 | ADAK, ALASKA | N | 65 X | 40.86 | SD | 2.633 | LT |
| D 06 59 | ADAK, ALASKA | N | 65 X | 47.71 | SD | 5.795 | HT |
| D 07 59 | ADAK, ALASKA | N | 69 X | 43.93 | SD | 1.801 | LT |
| D 07 59 | ADAK, ALASKA | N | 69 X | 51.26 | SD | 6.046 | HT |
| D 08 59 | ADAK, ALASKA | N | 58 X | 47.90 | SD | 3.116 | LT |
| D 08 59 | ADAK, ALASKA | N | 58 X | 54.62 | SD | 5.207 | HT |
| D 09 59 | ADAK, ALASKA | N | 54 X | 47.28 | SD | 2.261 | LT |
| D 09 59 | ADAK, ALASKA | N | 54 X | 55.48 | SD | 6.535 | HT |
| D 10 59 | ADAK, ALASKA | N | 52 X | 42.77 | SD | 2.414 | LT |
| D 10 59 | ADAK, ALASKA | N | 52 X | 47.87 | SD | 3.831 | HT |
| D 11 59 | ADAK, ALASKA | N | 50 X | 36.86 | SD | 2.070 | LT |
| D 11 59 | ADAK, ALASKA | N | 50 X | 43.10 | SD | 4.176 | HT |
| D 12 59 | ADAK, ALASKA | N | 57 X | 31.53 | SD | 2.989 | LT |
| D 12 59 | ADAK, ALASKA | N | 57 X | 38.04 | SD | 3.708 | HT |
| L 01 60 | ADAK, ALASKA | N | 50 X | 31.36 | SD | 2.380 | LT |
| D 01 60 | ADAK, ALASKA | N | 50 X | 37.42 | SD | 4.380 | HT |
| D 02 60 | ADAK, ALASKA | N | 49 X | 30.89 | SD | 3.341 | LT |
| D 02 60 | ADAK, ALASKA | N | 49 X | 38.29 | SD | 5.443 | HT |
| D 03 60 | ADAK, ALASKA | N | 57 X | 32.32 | SD | 2.131 | LT |
| D 03 60 | ADAK, ALASKA | N | 57 X | 38.16 | SD | 4.292 | HT |
| L 04 60 | ADAK, ALASKA | N | 48 X | 32.52 | SD | 1.337 | LT |
| D 04 60 | ADAK, ALASKA | N | 48 X | 39.56 | SD | 5.239 | HT |
| D 05 60 | ADAK, ALASKA | N | 47 X | 35.11 | SD | 2.407 | LT |
| D 05 60 | ADAK, ALASKA | N | 47 X | 42.26 | SD | 5.215 | HT |
| D 06 60 | ADAK, ALASKA | N | 53 X | 39.77 | SD | 2.819 | LT |
| D 06 60 | ADAK, ALASKA | N | 53 X | 44.42 | SD | 3.433 | HT |
| D 07 60 | ADAK, ALASKA | N | 44 X | 44.82 | SD | 2.855 | LT |
| D 07 60 | ADAK, ALASKA | N | 44 X | 51.09 | SD | 6.209 | HT |
| D 08 60 | ADAK, ALASKA | N | 51 X | 46.17 | SD | 2.409 | LT |
| D 08 60 | ADAK, ALASKA | N | 51 X | 52.31 | SD | 4.615 | HT |
| D 09 60 | ADAK, ALASKA | N | 47 X | 45.62 | SD | 1.596 | LT |
| D 09 60 | ADAK, ALASKA | N | 47 X | 51.66 | SD | 3.830 | HT |
| D 10 60 | ADAK, ALASKA | N | 45 X | 41.91 | SD | 3.110 | LT |
| D 10 60 | ADAK, ALASKA | N | 45 X | 49.00 | SD | 3.849 | HT |
| D 11 60 | ADAK, ALASKA | N | 50 X | 34.66 | SD | 2.876 | LT |
| D 11 60 | ADAK, ALASKA | N | 50 X | 42.82 | SD | 4.672 | HT |
| D 12 60 | ADAK, ALASKA | N | 48 X | 32.44 | SD | 1.855 | LT |
| D 12 60 | ADAK, ALASKA | N | 48 X | 37.90 | SD | 3.651 | HT |

TABLE 25. (Contd.)

| | | | | | | | |
|---------|--------------|---|------|-------|----|-------|----|
| D 01 01 | ADAK, ALASKA | N | 32 X | 31.56 | SD | 1.900 | LT |
| D 01 01 | ADAK, ALASKA | N | 32 X | 35.66 | SD | 3.651 | HT |
| D 02 01 | ADAK, ALASKA | N | 39 X | 30.36 | SD | 3.039 | LT |
| D 02 01 | ADAK, ALASKA | N | 39 X | 36.92 | SD | 4.625 | HT |
| D 03 01 | ADAK, ALASKA | N | 25 X | 30.28 | SD | 2.606 | LT |
| D 03 01 | ADAK, ALASKA | N | 25 X | 38.16 | SD | 6.530 | HT |
| D 04 01 | ADAK, ALASKA | N | 40 X | 33.32 | SD | 2.515 | LT |
| D 04 01 | ADAK, ALASKA | N | 40 X | 39.17 | SD | 5.737 | HT |
| D 05 01 | ADAK, ALASKA | N | 48 X | 36.56 | SD | 2.010 | LT |
| D 05 01 | ADAK, ALASKA | N | 48 X | 41.79 | SD | 3.543 | HT |
| D 06 01 | ADAK, ALASKA | N | 42 X | 41.02 | SD | 2.188 | LT |
| D 06 01 | ADAK, ALASKA | N | 46 X | 46.15 | SD | 4.366 | HT |
| D 07 01 | ADAK, ALASKA | N | 42 X | 44.43 | SD | 1.627 | LT |
| D 07 01 | ADAK, ALASKA | N | 42 X | 50.12 | SD | 5.807 | HT |
| D 08 01 | ADAK, ALASKA | N | 53 X | 45.74 | SD | 2.211 | LT |
| D 08 01 | ADAK, ALASKA | N | 53 X | 52.68 | SD | 5.902 | HT |
| D 09 01 | ADAK, ALASKA | N | 45 X | 45.36 | SD | 1.873 | LT |
| D 09 01 | ADAK, ALASKA | N | 45 X | 50.20 | SD | 4.650 | HT |
| D 10 01 | ADAK, ALASKA | N | 49 X | 41.65 | SD | 3.244 | LT |
| D 10 01 | ADAK, ALASKA | N | 49 X | 47.80 | SD | 4.950 | HT |
| D 11 01 | ADAK, ALASKA | N | 52 X | 34.75 | SD | 4.657 | LT |
| D 11 01 | ADAK, ALASKA | N | 52 X | 45.44 | SD | 4.680 | HT |
| D 12 01 | ADAK, ALASKA | N | 47 X | 31.85 | SD | 3.923 | LT |
| D 12 01 | ADAK, ALASKA | N | 47 X | 41.62 | SD | 5.383 | HT |
| D 01 02 | ADAK, ALASKA | N | 52 X | 29.63 | SD | 4.097 | LT |
| D 01 02 | ADAK, ALASKA | N | 52 X | 38.60 | SD | 5.747 | HT |
| D 02 02 | ADAK, ALASKA | N | 45 X | 30.24 | SD | 4.375 | LT |
| D 02 02 | ADAK, ALASKA | N | 45 X | 38.67 | SD | 5.901 | HT |
| D 03 02 | ADAK, ALASKA | N | 45 X | 30.10 | SD | 6.061 | LT |
| D 03 02 | ADAK, ALASKA | N | 48 X | 43.66 | SD | 7.135 | HT |
| D 04 02 | ADAK, ALASKA | N | 48 X | 32.29 | SD | 6.885 | LT |
| D 04 02 | ADAK, ALASKA | N | 48 X | 45.37 | SD | 7.824 | HT |
| D 05 02 | ADAK, ALASKA | N | 53 X | 35.30 | SD | 6.835 | LT |
| D 05 02 | ADAK, ALASKA | N | 53 X | 48.40 | SD | 6.910 | HT |
| D 06 02 | ADAK, ALASKA | N | 47 X | 39.51 | SD | 7.107 | LT |
| D 06 02 | ADAK, ALASKA | N | 47 X | 53.63 | SD | 7.877 | HT |
| D 07 02 | ADAK, ALASKA | N | 46 X | 46.72 | SD | 6.069 | LT |
| D 07 02 | ADAK, ALASKA | N | 46 X | 56.02 | SD | 8.040 | HT |
| D 08 02 | ADAK, ALASKA | N | 56 X | 48.70 | SD | 3.658 | LT |
| D 08 02 | ADAK, ALASKA | N | 56 X | 57.39 | SD | 6.711 | HT |
| D 09 02 | ADAK, ALASKA | N | 47 X | 43.45 | SD | 4.938 | LT |
| D 09 02 | ADAK, ALASKA | N | 47 X | 57.28 | SD | 6.899 | HT |
| D 10 02 | ADAK, ALASKA | N | 50 X | 39.99 | SD | 4.579 | LT |
| D 10 02 | ADAK, ALASKA | N | 56 X | 53.13 | SD | 7.432 | HT |
| D 11 02 | ADAK, ALASKA | N | 40 X | 34.87 | SD | 5.652 | LT |
| D 11 02 | ADAK, ALASKA | N | 49 X | 44.19 | SD | 3.391 | HT |
| D 12 02 | ADAK, ALASKA | N | 49 X | 32.82 | SD | 5.267 | LT |
| D 12 02 | ADAK, ALASKA | N | 49 X | 43.72 | SD | 6.433 | HT |

TABLE 25. (Contd.)

| | | | | | | | |
|---------|--------------|---|------|-------|----|--------|----|
| D 01 63 | ADAK, ALASKA | N | 56 X | 32.11 | SD | 3.850 | LT |
| D 01 63 | ADAK, ALASKA | N | 58 X | 41.41 | SD | 5.768 | HT |
| D 02 63 | ADAK, ALASKA | N | 48 X | 30.67 | SD | 5.548 | LT |
| D 02 63 | ADAK, ALASKA | N | 48 X | 42.10 | SD | 7.241 | HT |
| D 03 63 | ADAK, ALASKA | N | 49 X | 32.29 | SD | 5.184 | LT |
| D 03 63 | ADAK, ALASKA | N | 49 X | 45.00 | SD | 7.042 | HT |
| D 04 63 | ADAK, ALASKA | N | 52 X | 36.17 | SD | 3.377 | LT |
| D 04 63 | ADAK, ALASKA | N | 52 X | 44.60 | SD | 4.979 | HT |
| D 05 63 | ADAK, ALASKA | N | 56 X | 36.66 | SD | 4.795 | LT |
| D 05 63 | ADAK, ALASKA | N | 56 X | 46.04 | SD | 3.683 | HT |
| D 06 63 | ADAK, ALASKA | N | 46 X | 38.46 | SD | 3.059 | LT |
| D 06 63 | ADAK, ALASKA | N | 45 X | 47.33 | SD | 2.382 | HT |
| D 07 63 | ADAK, ALASKA | N | 53 X | 44.92 | SD | 3.689 | LT |
| D 07 63 | ADAK, ALASKA | N | 53 X | 54.66 | SD | 5.629 | HT |
| D 08 63 | ADAK, ALASKA | N | 52 X | 45.85 | SD | 4.548 | LT |
| D 08 63 | ADAK, ALASKA | N | 52 X | 56.44 | SD | 4.956 | HT |
| D 09 63 | ADAK, ALASKA | N | 49 X | 44.35 | SD | 4.131 | LT |
| D 09 63 | ADAK, ALASKA | N | 49 X | 55.14 | SD | 5.741 | HT |
| D 10 63 | ADAK, ALASKA | N | 56 X | 41.68 | SD | 4.907 | LT |
| D 10 63 | ADAK, ALASKA | N | 56 X | 55.77 | SD | 6.891 | HT |
| D 11 63 | ADAK, ALASKA | N | 37 X | 38.30 | SD | 4.415 | LT |
| D 11 63 | ADAK, ALASKA | N | 37 X | 49.32 | SD | 7.491 | HT |
| D 12 63 | ADAK, ALASKA | N | 39 X | 32.92 | SD | 4.439 | LT |
| D 12 63 | ADAK, ALASKA | N | 39 X | 45.15 | SD | 9.727 | HT |
| D 01 64 | ADAK, ALASKA | N | 34 X | 29.60 | SD | 5.343 | LT |
| D 01 64 | ADAK, ALASKA | N | 34 X | 43.65 | SD | 7.377 | HT |
| D 04 64 | ADAK, ALASKA | N | 19 X | 31.68 | SD | 3.092 | LT |
| D 04 64 | ADAK, ALASKA | N | 19 X | 42.37 | SD | 7.448 | HT |
| D 05 64 | ADAK, ALASKA | N | 28 X | 31.96 | SD | 6.304 | LT |
| D 05 64 | ADAK, ALASKA | N | 28 X | 45.39 | SD | 8.535 | HT |
| D 06 64 | ADAK, ALASKA | N | 26 X | 33.00 | SD | 7.244 | LT |
| D 06 64 | ADAK, ALASKA | N | 26 X | 49.88 | SD | 8.111 | HT |
| D 07 64 | ADAK, ALASKA | N | 33 X | 38.12 | SD | 7.889 | LT |
| D 07 64 | ADAK, ALASKA | N | 33 X | 60.18 | SD | 12.558 | HT |
| D 08 64 | ADAK, ALASKA | N | 35 X | 39.57 | SD | 7.200 | LT |
| D 08 64 | ADAK, ALASKA | N | 35 X | 55.06 | SD | 11.183 | HT |
| D 09 64 | ADAK, ALASKA | N | 37 X | 41.00 | SD | 5.492 | LT |
| D 09 64 | ADAK, ALASKA | N | 37 X | 52.51 | SD | 8.181 | HT |
| D 10 64 | ADAK, ALASKA | N | 50 X | 36.08 | SD | 6.989 | LT |
| D 10 64 | ADAK, ALASKA | N | 50 X | 49.80 | SD | 8.089 | HT |
| D 11 64 | ADAK, ALASKA | N | 36 X | 31.67 | SD | 7.664 | LT |
| D 11 64 | ADAK, ALASKA | N | 36 X | 44.17 | SD | 7.280 | HT |
| D 12 64 | ADAK, ALASKA | N | 40 X | 30.37 | SD | 6.968 | LT |
| D 12 64 | ADAK, ALASKA | N | 40 X | 42.45 | SD | 8.354 | HT |

TABLE 25. (Contd.)

| | | | | | | | |
|---------|--------------|---|-------|-------|----|-------|----|
| D 01 65 | ADAK, ALASKA | N | 52 X | 29.46 | SD | 6.758 | LT |
| D 01 65 | ADAK, ALASKA | N | 52 X | 39.12 | SD | 7.980 | HT |
| D 02 65 | ADAK, ALASKA | N | 35 X | 28.86 | SD | 5.621 | LT |
| D 02 65 | ADAK, ALASKA | N | 35 X | 38.71 | SD | 7.572 | HT |
| D 03 65 | ADAK, ALASKA | N | 28 X | 28.36 | SD | 5.768 | LT |
| D 03 65 | ADAK, ALASKA | N | 28 X | 42.25 | SD | 9.220 | HT |
| D 04 65 | ADAK, ALASKA | N | 50 X | 30.52 | SD | 7.080 | LT |
| D 04 65 | ADAK, ALASKA | N | 50 X | 44.36 | SD | 7.724 | HT |
| D 05 65 | ADAK, ALASKA | N | 40 X | 32.15 | SD | 6.538 | LT |
| D 05 65 | ADAK, ALASKA | N | 40 X | 46.65 | SD | 8.100 | HT |
| D 06 65 | ADAK, ALASKA | N | 44 X | 35.34 | SD | 6.520 | LT |
| D 06 65 | ADAK, ALASKA | N | 44 X | 47.48 | SD | 7.457 | HT |
| D 07 65 | ADAK, ALASKA | N | 38 X | 40.97 | SD | 6.078 | LT |
| D 07 65 | ADAK, ALASKA | N | 38 X | 51.97 | SD | 7.971 | HT |
| D 08 65 | ADAK, ALASKA | N | 44 X | 44.41 | SD | 5.258 | LT |
| D 08 65 | ADAK, ALASKA | N | 44 X | 53.34 | SD | 6.591 | HT |
| D 09 65 | ADAK, ALASKA | N | 37 X | 44.78 | SD | 3.326 | LT |
| D 09 65 | ADAK, ALASKA | N | 37 X | 50.24 | SD | 4.873 | HT |
| D 10 65 | ADAK, ALASKA | N | 33 X | 40.94 | SD | 2.561 | LT |
| D 10 65 | ADAK, ALASKA | N | 33 X | 45.18 | SD | 4.341 | HT |
| D 11 65 | ADAK, ALASKA | N | 122 X | 39.73 | SD | 2.533 | LT |
| D 11 65 | ADAK, ALASKA | N | 122 X | 42.80 | SD | 3.037 | HT |
| D 12 65 | ADAK, ALASKA | N | 119 X | 36.18 | SD | 3.121 | LT |
| D 12 65 | ADAK, ALASKA | N | 119 X | 38.70 | SD | 3.134 | HT |
| D 01 66 | ADAK, ALASKA | N | 111 X | 37.93 | SD | 4.389 | LT |
| D 01 66 | ADAK, ALASKA | N | 111 X | 40.59 | SD | 3.497 | HT |
| D 02 66 | ADAK, ALASKA | N | 86 X | 34.21 | SD | 2.714 | LT |
| D 02 66 | ADAK, ALASKA | N | 86 X | 36.71 | SD | 2.713 | HT |
| D 03 66 | ADAK, ALASKA | N | 155 X | 34.42 | SD | 2.005 | LT |
| D 03 66 | ADAK, ALASKA | N | 155 X | 36.99 | SD | 2.772 | HT |
| D 04 66 | ADAK, ALASKA | N | 159 X | 36.04 | SD | 2.627 | LT |
| D 04 66 | ADAK, ALASKA | N | 159 X | 38.39 | SD | 4.094 | HT |
| D 05 66 | ADAK, ALASKA | N | 144 X | 39.51 | SD | 1.844 | LT |
| D 05 66 | ADAK, ALASKA | N | 144 X | 41.03 | SD | 2.042 | HT |
| D 01 67 | ADAK, ALASKA | N | 30 X | 30.97 | SD | 2.456 | LT |
| D 01 67 | ADAK, ALASKA | N | 30 X | 33.00 | SD | 2.519 | HT |
| D 02 67 | ADAK, ALASKA | N | 30 X | 39.80 | SD | 2.007 | LT |
| D 02 67 | ADAK, ALASKA | N | 30 X | 31.93 | SD | 2.572 | HT |
| D 03 67 | ADAK, ALASKA | N | 28 X | 34.57 | SD | 3.479 | LT |
| D 03 67 | ADAK, ALASKA | N | 28 X | 38.07 | SD | 4.876 | HT |
| D 04 67 | ADAK, ALASKA | N | 28 X | 34.71 | SD | 3.640 | LT |
| D 04 67 | ADAK, ALASKA | N | 28 X | 42.29 | SD | 6.265 | HT |
| D 05 67 | ADAK, ALASKA | N | 42 X | 37.67 | SD | 2.826 | LT |
| D 05 67 | ADAK, ALASKA | N | 42 X | 43.79 | SD | 5.920 | HT |
| D 06 67 | ADAK, ALASKA | N | 22 X | 41.64 | SD | 2.642 | LT |
| D 06 67 | ADAK, ALASKA | N | 22 X | 48.71 | SD | 6.936 | HT |

TABLE 26. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, NS, Adak, Alaska.

| | | | | | | | |
|---------|--------------|---|------|-------|----|--------|----|
| D 01 59 | ADAK, ALASKA | N | 48 X | 25.94 | SD | 4.507 | LT |
| D 01 59 | ADAK, ALASKA | N | 48 X | 42.46 | SD | 3.809 | HT |
| D 02 59 | ADAK, ALASKA | N | 48 X | 26.42 | SD | 4.748 | LT |
| D 02 59 | ADAK, ALASKA | N | 48 X | 39.08 | SD | 4.802 | HT |
| D 03 59 | ADAK, ALASKA | N | 49 X | 27.86 | SD | 5.730 | LT |
| D 03 59 | ADAK, ALASKA | N | 49 X | 38.18 | SD | 4.572 | HT |
| D 04 59 | ADAK, ALASKA | N | 54 X | 30.33 | SD | 7.919 | LT |
| D 04 59 | ADAK, ALASKA | N | 54 X | 55.57 | SD | 8.386 | HT |
| D 05 59 | ADAK, ALASKA | N | 50 X | 36.20 | SD | 5.071 | LT |
| D 05 59 | ADAK, ALASKA | N | 50 X | 62.02 | SD | 6.511 | HT |
| D 06 59 | ADAK, ALASKA | N | 54 X | 38.39 | SD | 5.007 | LT |
| D 06 59 | ADAK, ALASKA | N | 54 X | 64.74 | SD | 9.643 | HT |
| D 07 59 | ADAK, ALASKA | N | 54 X | 42.72 | SD | 5.409 | LT |
| D 07 59 | ADAK, ALASKA | N | 54 X | 73.65 | SD | 8.115 | HT |
| D 08 59 | ADAK, ALASKA | N | 56 X | 49.34 | SD | 7.077 | LT |
| D 08 59 | ADAK, ALASKA | N | 56 X | 71.50 | SD | 10.209 | HT |
| D 09 59 | ADAK, ALASKA | N | 57 X | 46.37 | SD | 7.108 | LT |
| D 09 59 | ADAK, ALASKA | N | 57 X | 64.61 | SD | 7.255 | HT |
| D 10 59 | ADAK, ALASKA | N | 57 X | 38.51 | SD | 5.552 | LT |
| D 10 59 | ADAK, ALASKA | N | 57 X | 57.93 | SD | 7.808 | HT |
| D 11 59 | ADAK, ALASKA | N | 55 X | 31.60 | SD | 6.078 | LT |
| D 11 59 | ADAK, ALASKA | N | 55 X | 49.80 | SD | 4.540 | HT |
| D 12 59 | ADAK, ALASKA | N | 60 X | 26.10 | SD | 6.555 | LT |
| D 12 59 | ADAK, ALASKA | N | 60 X | 40.92 | SD | 4.742 | HT |
| D 01 60 | ADAK, ALASKA | N | 55 X | 26.02 | SD | 5.599 | LT |
| D 01 60 | ADAK, ALASKA | N | 55 X | 41.25 | SD | 4.949 | HT |
| D 02 60 | ADAK, ALASKA | N | 53 X | 27.53 | SD | 7.165 | LT |
| D 02 60 | ADAK, ALASKA | N | 53 X | 43.13 | SD | 5.630 | HT |
| D 03 60 | ADAK, ALASKA | N | 60 X | 30.12 | SD | 4.431 | LT |
| D 03 60 | ADAK, ALASKA | N | 60 X | 49.12 | SD | 6.943 | HT |
| D 04 60 | ADAK, ALASKA | N | 54 X | 29.70 | SD | 6.071 | LT |
| D 04 60 | ADAK, ALASKA | N | 54 X | 52.94 | SD | 5.496 | HT |
| D 05 60 | ADAK, ALASKA | N | 54 X | 34.65 | SD | 5.209 | LT |
| D 05 60 | ADAK, ALASKA | N | 54 X | 51.29 | SD | 7.329 | HT |
| D 06 60 | ADAK, ALASKA | N | 57 X | 40.51 | SD | 4.388 | LT |
| D 06 60 | ADAK, ALASKA | N | 57 X | 56.61 | SD | 6.700 | HT |
| D 07 60 | ADAK, ALASKA | N | 51 X | 45.22 | SD | 3.971 | LT |
| D 07 60 | ADAK, ALASKA | N | 51 X | 66.33 | SD | 5.989 | HT |
| D 08 60 | ADAK, ALASKA | N | 64 X | 46.89 | SD | 3.367 | LT |
| D 08 60 | ADAK, ALASKA | N | 64 X | 64.66 | SD | 5.002 | HT |
| D 09 60 | ADAK, ALASKA | N | 67 X | 42.68 | SD | 4.544 | LT |
| D 09 60 | ADAK, ALASKA | N | 67 X | 61.57 | SD | 3.434 | HT |
| D 10 60 | ADAK, ALASKA | N | 74 X | 36.54 | SD | 5.779 | LT |
| D 10 60 | ADAK, ALASKA | N | 74 X | 54.73 | SD | 5.825 | HT |
| D 11 60 | ADAK, ALASKA | N | 74 X | 26.72 | SD | 5.646 | LT |
| D 11 60 | ADAK, ALASKA | N | 74 X | 46.80 | SD | 3.917 | HT |
| D 12 60 | ADAK, ALASKA | N | 75 X | 25.65 | SD | 5.436 | LT |
| D 12 60 | ADAK, ALASKA | N | 75 X | 39.22 | SD | 4.372 | HT |

TABLE 26. (Contd.)

| | | | | | | | |
|---------|--------------|---|------|-------|----|--------|----|
| D 01 01 | ADAK, ALASKA | N | 39 X | 24.92 | SD | 5.936 | LT |
| D 01 01 | ADAK, ALASKA | N | 39 X | 38.41 | SD | 4.011 | HT |
| D 02 01 | ADAK, ALASKA | N | 43 X | 27.23 | SD | 5.520 | LT |
| D 02 01 | ADAK, ALASKA | N | 43 X | 42.74 | SD | 6.126 | HT |
| D 03 01 | ADAK, ALASKA | N | 29 X | 27.00 | SD | 8.000 | LT |
| D 03 01 | ADAK, ALASKA | N | 29 X | 46.76 | SD | 6.495 | HT |
| D 04 01 | ADAK, ALASKA | N | 50 X | 31.68 | SD | 6.076 | LT |
| D 04 01 | ADAK, ALASKA | N | 50 X | 52.32 | SD | 6.514 | HT |
| D 05 01 | ADAK, ALASKA | N | 73 X | 34.89 | SD | 4.832 | LT |
| D 05 01 | ADAK, ALASKA | N | 73 X | 59.23 | SD | 7.277 | HT |
| D 06 01 | ADAK, ALASKA | N | 77 X | 40.43 | SD | 4.309 | LT |
| D 06 01 | ADAK, ALASKA | N | 77 X | 63.42 | SD | 7.057 | HT |
| D 07 01 | ADAK, ALASKA | N | 70 X | 42.33 | SD | 4.663 | LT |
| D 07 01 | ADAK, ALASKA | N | 70 X | 66.96 | SD | 6.896 | HT |
| D 08 01 | ADAK, ALASKA | N | 82 X | 45.63 | SD | 4.507 | LT |
| D 08 01 | ADAK, ALASKA | N | 82 X | 66.34 | SD | 5.972 | HT |
| D 09 01 | ADAK, ALASKA | N | 75 X | 45.23 | SD | 4.934 | LT |
| D 09 01 | ADAK, ALASKA | N | 75 X | 61.69 | SD | 4.762 | HT |
| D 10 01 | ADAK, ALASKA | N | 83 X | 38.55 | SD | 5.986 | LT |
| D 10 01 | ADAK, ALASKA | N | 83 X | 54.61 | SD | 6.303 | HT |
| D 11 01 | ADAK, ALASKA | N | 74 X | 31.95 | SD | 6.020 | LT |
| D 11 01 | ADAK, ALASKA | N | 74 X | 44.64 | SD | 5.162 | HT |
| D 12 01 | ADAK, ALASKA | N | 67 X | 30.25 | SD | 7.786 | LT |
| D 12 01 | ADAK, ALASKA | N | 67 X | 44.42 | SD | 6.337 | HT |
| D 01 02 | ADAK, ALASKA | N | 73 X | 27.27 | SD | 6.615 | LT |
| D 01 02 | ADAK, ALASKA | N | 70 X | 42.04 | SD | 5.452 | HT |
| D 02 02 | ADAK, ALASKA | N | 67 X | 28.90 | SD | 6.776 | LT |
| D 02 02 | ADAK, ALASKA | N | 67 X | 44.31 | SD | 7.191 | HT |
| D 03 02 | ADAK, ALASKA | N | 71 X | 34.23 | SD | 5.787 | LT |
| D 03 02 | ADAK, ALASKA | N | 71 X | 47.56 | SD | 4.973 | HT |
| D 04 02 | ADAK, ALASKA | N | 82 X | 35.76 | SD | 7.212 | LT |
| D 04 02 | ADAK, ALASKA | N | 82 X | 51.60 | SD | 8.984 | HT |
| D 05 02 | ADAK, ALASKA | N | 92 X | 40.12 | SD | 7.724 | LT |
| D 05 02 | ADAK, ALASKA | N | 92 X | 57.71 | SD | 8.239 | HT |
| D 06 02 | ADAK, ALASKA | N | 83 X | 46.41 | SD | 8.475 | LT |
| D 06 02 | ADAK, ALASKA | N | 83 X | 54.89 | SD | 11.124 | HT |
| D 07 02 | ADAK, ALASKA | N | 85 X | 50.32 | SD | 6.413 | LT |
| D 07 02 | ADAK, ALASKA | N | 85 X | 68.88 | SD | 8.637 | HT |
| D 08 02 | ADAK, ALASKA | N | 94 X | 50.09 | SD | 6.569 | LT |
| D 08 02 | ADAK, ALASKA | N | 94 X | 66.64 | SD | 6.814 | HT |
| D 09 02 | ADAK, ALASKA | N | 78 X | 42.94 | SD | 7.934 | LT |
| D 09 02 | ADAK, ALASKA | N | 73 X | 63.69 | SD | 7.393 | HT |
| D 10 02 | ADAK, ALASKA | N | 98 X | 38.95 | SD | 7.378 | LT |
| D 10 02 | ADAK, ALASKA | N | 90 X | 56.01 | SD | 7.337 | HT |
| D 11 02 | ADAK, ALASKA | N | 82 X | 31.43 | SD | 6.427 | LT |
| D 11 02 | ADAK, ALASKA | N | 82 X | 45.44 | SD | 7.536 | HT |
| D 12 02 | ADAK, ALASKA | N | 90 X | 31.99 | SD | 6.744 | LT |
| D 12 02 | ADAK, ALASKA | N | 90 X | 43.79 | SD | 8.483 | HT |

TABLE 26, (Contd.)

| | | | | | | | |
|---------|--------------|---|------|-------|----|--------|----|
| D 01 63 | ADAK, ALASKA | N | 95 X | 33.03 | SD | 5.398 | LT |
| D 01 63 | ADAK, ALASKA | N | 95 X | 43.28 | SD | 6.065 | HT |
| D 02 63 | ADAK, ALASKA | N | 84 X | 31.85 | SD | 5.784 | LT |
| D 02 63 | ADAK, ALASKA | N | 84 X | 45.60 | SD | 6.975 | HT |
| D 03 63 | ADAK, ALASKA | N | 90 X | 33.44 | SD | 7.542 | LT |
| D 03 63 | ADAK, ALASKA | N | 90 X | 48.24 | SD | 5.207 | HT |
| D 04 63 | ADAK, ALASKA | N | 98 X | 37.78 | SD | 4.133 | LT |
| D 04 63 | ADAK, ALASKA | N | 98 X | 47.37 | SD | 4.200 | HT |
| D 05 63 | ADAK, ALASKA | N | 95 X | 37.14 | SD | 4.435 | LT |
| D 05 63 | ADAK, ALASKA | N | 95 X | 46.11 | SD | 4.038 | HT |
| D 06 63 | ADAK, ALASKA | N | 84 X | 39.46 | SD | 3.353 | LT |
| D 06 63 | ADAK, ALASKA | N | 84 X | 47.93 | SD | 2.961 | HT |
| D 07 63 | ADAK, ALASKA | N | 94 X | 47.33 | SD | 6.918 | LT |
| D 07 63 | ADAK, ALASKA | N | 94 X | 59.03 | SD | 6.015 | HT |
| D 08 63 | ADAK, ALASKA | N | 92 X | 47.66 | SD | 6.262 | LT |
| D 08 63 | ADAK, ALASKA | N | 92 X | 59.93 | SD | 6.585 | HT |
| D 09 63 | ADAK, ALASKA | N | 89 X | 46.43 | SD | 6.149 | LT |
| D 09 63 | ADAK, ALASKA | N | 89 X | 57.35 | SD | 6.669 | HT |
| D 10 63 | ADAK, ALASKA | N | 95 X | 43.02 | SD | 6.803 | LT |
| D 10 63 | ADAK, ALASKA | N | 95 X | 58.07 | SD | 6.115 | HT |
| D 11 63 | ADAK, ALASKA | N | 79 X | 38.54 | SD | 5.595 | LT |
| D 11 63 | ADAK, ALASKA | N | 79 X | 54.08 | SD | 6.535 | HT |
| D 12 63 | ADAK, ALASKA | N | 73 X | 32.82 | SD | 6.765 | LT |
| D 12 63 | ADAK, ALASKA | N | 73 X | 50.36 | SD | 8.709 | HT |
| D 01 64 | ADAK, ALASKA | N | 49 X | 26.71 | SD | 6.059 | LT |
| D 01 64 | ADAK, ALASKA | N | 49 X | 46.57 | SD | 6.964 | HT |
| D 04 64 | ADAK, ALASKA | N | 22 X | 29.73 | SD | 8.713 | LT |
| D 04 64 | ADAK, ALASKA | N | 22 X | 47.59 | SD | 8.523 | HT |
| D 05 64 | ADAK, ALASKA | N | 43 X | 30.65 | SD | 9.196 | LT |
| D 05 64 | ADAK, ALASKA | N | 43 X | 55.51 | SD | 18.832 | HT |
| D 06 64 | ADAK, ALASKA | N | 48 X | 35.50 | SD | 9.154 | LT |
| D 06 64 | ADAK, ALASKA | N | 48 X | 59.08 | SD | 15.129 | HT |
| D 07 64 | ADAK, ALASKA | N | 65 X | 41.66 | SD | 6.632 | LT |
| D 07 64 | ADAK, ALASKA | N | 65 X | 60.35 | SD | 14.124 | HT |
| D 08 64 | ADAK, ALASKA | N | 54 X | 45.06 | SD | 5.682 | LT |
| D 08 64 | ADAK, ALASKA | N | 54 X | 59.41 | SD | 11.726 | HT |
| D 09 64 | ADAK, ALASKA | N | 57 X | 40.93 | SD | 6.662 | LT |
| D 09 64 | ADAK, ALASKA | N | 57 X | 65.23 | SD | 9.584 | HT |
| D 10 64 | ADAK, ALASKA | N | 79 X | 37.06 | SD | 6.389 | LT |
| D 10 64 | ADAK, ALASKA | N | 79 X | 56.77 | SD | 6.959 | HT |
| D 11 64 | ADAK, ALASKA | N | 53 X | 29.63 | SD | 7.838 | LT |
| D 11 64 | ADAK, ALASKA | N | 53 X | 46.15 | SD | 6.358 | HT |
| D 12 64 | ADAK, ALASKA | N | 56 X | 27.26 | SD | 6.166 | LT |
| D 12 64 | ADAK, ALASKA | N | 56 X | 45.64 | SD | 5.058 | HT |

TABLE 26. (Contd.)

| | | | | | | | |
|---------|--------------|---|------|-------|----|--------|----|
| D 01 65 | ADAK, ALASKA | N | 73 X | 25.51 | SD | 7.832 | LT |
| D 01 65 | ADAK, ALASKA | N | 73 X | 42.11 | SD | 7.580 | HT |
| D 02 65 | ADAK, ALASKA | N | 53 X | 28.85 | SD | 7.231 | LT |
| D 02 65 | ADAK, ALASKA | N | 53 X | 44.32 | SD | 7.361 | HT |
| D 03 65 | ADAK, ALASKA | N | 44 X | 35.64 | SD | 9.376 | LT |
| D 03 65 | ADAK, ALASKA | N | 44 X | 50.23 | SD | 8.507 | HT |
| D 04 65 | ADAK, ALASKA | N | 77 X | 36.70 | SD | 7.271 | LT |
| D 04 65 | ADAK, ALASKA | N | 77 X | 51.51 | SD | 7.810 | HT |
| D 05 65 | ADAK, ALASKA | N | 60 X | 40.28 | SD | 9.213 | LT |
| D 05 65 | ADAK, ALASKA | N | 60 X | 55.10 | SD | 7.730 | HT |
| D 06 65 | ADAK, ALASKA | N | 70 X | 42.90 | SD | 8.857 | LT |
| D 06 65 | ADAK, ALASKA | N | 70 X | 60.16 | SD | 10.313 | HT |
| D 07 65 | ADAK, ALASKA | N | 66 X | 48.21 | SD | 9.198 | LT |
| D 07 65 | ADAK, ALASKA | N | 66 X | 66.12 | SD | 8.782 | HT |
| D 08 65 | ADAK, ALASKA | N | 64 X | 50.78 | SD | 6.778 | LT |
| D 08 65 | ADAK, ALASKA | N | 68 X | 65.04 | SD | 7.814 | HT |
| D 09 65 | ADAK, ALASKA | N | 65 X | 42.15 | SD | 4.549 | LT |
| D 09 65 | ADAK, ALASKA | N | 65 X | 67.48 | SD | 8.575 | HT |
| D 10 65 | ADAK, ALASKA | N | 62 X | 37.29 | SD | 5.394 | LT |
| D 10 65 | ADAK, ALASKA | N | 62 X | 57.89 | SD | 7.788 | HT |
| D 11 65 | ADAK, ALASKA | N | 69 X | 33.17 | SD | 4.201 | LT |
| D 11 65 | ADAK, ALASKA | N | 69 X | 51.72 | SD | 6.128 | HT |
| D 12 65 | ADAK, ALASKA | N | 49 X | 27.06 | SD | 6.508 | LT |
| D 12 65 | ADAK, ALASKA | N | 49 X | 44.55 | SD | 6.222 | HT |
| D 01 66 | ADAK, ALASKA | N | 55 X | 26.57 | SD | 5.171 | LT |
| D 01 66 | ADAK, ALASKA | N | 58 X | 47.28 | SD | 7.317 | HT |
| D 02 66 | ADAK, ALASKA | N | 40 X | 27.05 | SD | 5.782 | LT |
| D 02 66 | ADAK, ALASKA | N | 40 X | 45.22 | SD | 6.261 | HT |
| D 03 66 | ADAK, ALASKA | N | 26 X | 26.73 | SD | 4.838 | LT |
| D 03 66 | ADAK, ALASKA | N | 26 X | 58.92 | SD | 9.376 | HT |
| D 04 66 | ADAK, ALASKA | N | 47 X | 31.89 | SD | 7.916 | LT |
| D 04 66 | ADAK, ALASKA | N | 47 X | 56.94 | SD | 9.246 | HT |
| D 05 66 | ADAK, ALASKA | N | 20 X | 36.25 | SD | 6.051 | LT |
| D 05 66 | ADAK, ALASKA | N | 20 X | 57.25 | SD | 10.765 | HT |
| D 01 67 | ADAK, ALASKA | N | 21 X | 30.43 | SD | 3.043 | LT |
| D 01 67 | ADAK, ALASKA | N | 21 X | 32.71 | SD | 2.759 | HT |
| D 02 67 | ADAK, ALASKA | N | 20 X | 27.00 | SD | 3.627 | LT |
| D 02 67 | ADAK, ALASKA | N | 20 X | 29.45 | SD | 3.284 | HT |
| D 03 67 | ADAK, ALASKA | N | 22 X | 30.32 | SD | 9.554 | LT |
| D 03 67 | ADAK, ALASKA | N | 22 X | 44.00 | SD | 10.506 | HT |
| D 04 67 | ADAK, ALASKA | N | 20 X | 28.90 | SD | 10.026 | LT |
| D 04 67 | ADAK, ALASKA | N | 20 X | 54.25 | SD | 11.920 | HT |
| D 05 67 | ADAK, ALASKA | N | 23 X | 35.89 | SD | 4.802 | LT |
| D 05 67 | ADAK, ALASKA | N | 23 X | 58.00 | SD | 13.194 | HT |
| D 06 67 | ADAK, ALASKA | N | 18 X | 43.75 | SD | 7.954 | LT |
| D 06 67 | ADAK, ALASKA | N | 18 X | 57.62 | SD | 10.327 | HT |

TABLE 27. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NAS, Brunswick, Maine.

| | | | | | | | | |
|---------|------------------|---|-----|---|-------|----|-------|----|
| L 01 65 | BRUNSWICK, MAINE | N | 76 | X | 30.49 | SD | 3.876 | LT |
| L 01 65 | BRUNSWICK, MAINE | N | 76 | X | 36.32 | SD | 2.895 | HT |
| L 02 65 | BRUNSWICK, MAINE | N | 317 | X | 27.36 | SD | 4.361 | LT |
| L 02 65 | BRUNSWICK, MAINE | N | 317 | X | 35.76 | SD | 4.385 | HT |
| L 03 65 | BRUNSWICK, MAINE | N | 439 | X | 31.28 | SD | 3.185 | LT |
| L 03 65 | BRUNSWICK, MAINE | N | 439 | X | 39.31 | SD | 3.447 | HT |
| L 04 65 | BRUNSWICK, MAINE | N | 432 | X | 36.47 | SD | 3.708 | LT |
| L 04 65 | BRUNSWICK, MAINE | N | 432 | X | 43.77 | SD | 4.635 | HT |
| L 05 65 | BRUNSWICK, MAINE | N | 473 | X | 45.09 | SD | 5.147 | LT |
| L 05 65 | BRUNSWICK, MAINE | N | 473 | X | 52.93 | SD | 7.049 | HT |
| L 06 65 | BRUNSWICK, MAINE | N | 22 | X | 57.73 | SD | 3.150 | LT |
| L 06 65 | BRUNSWICK, MAINE | N | 22 | X | 60.36 | SD | 3.836 | HT |
| L 07 65 | BRUNSWICK, MAINE | N | 419 | X | 62.85 | SD | 2.286 | LT |
| L 07 65 | BRUNSWICK, MAINE | N | 419 | X | 70.92 | SD | 6.076 | PT |
| L 08 65 | BRUNSWICK, MAINE | N | 151 | X | 61.85 | SD | 3.577 | LT |
| L 08 65 | BRUNSWICK, MAINE | N | 151 | X | 69.48 | SD | 5.656 | HT |
| L 09 65 | BRUNSWICK, MAINE | N | 508 | X | 58.99 | SD | 4.750 | LT |
| L 09 65 | BRUNSWICK, MAINE | N | 508 | X | 66.37 | SD | 6.006 | HT |
| L 10 65 | BRUNSWICK, MAINE | N | 257 | X | 50.51 | SD | 3.307 | LT |
| L 10 65 | BRUNSWICK, MAINE | N | 257 | X | 57.22 | SD | 4.502 | HT |
| L 11 65 | BRUNSWICK, MAINE | N | 372 | X | 43.44 | SD | 4.326 | LT |
| L 11 65 | BRUNSWICK, MAINE | N | 372 | X | 47.93 | SD | 4.228 | HT |
| L 12 65 | BRUNSWICK, MAINE | N | 343 | X | 34.38 | SD | 4.842 | LT |
| L 12 65 | BRUNSWICK, MAINE | N | 343 | X | 40.27 | SD | 3.885 | HT |
| L 01 66 | BRUNSWICK, MAINE | N | 339 | X | 27.70 | SD | 4.654 | LT |
| L 01 66 | BRUNSWICK, MAINE | N | 339 | X | 34.88 | SD | 3.819 | HT |
| L 02 66 | BRUNSWICK, MAINE | N | 349 | X | 27.09 | SD | 4.278 | LT |
| L 02 66 | BRUNSWICK, MAINE | N | 349 | X | 35.30 | SD | 4.533 | HT |
| L 03 66 | BRUNSWICK, MAINE | N | 455 | X | 31.41 | SD | 3.086 | LT |
| L 03 66 | BRUNSWICK, MAINE | N | 455 | X | 39.27 | SD | 3.269 | HT |
| L 04 66 | BRUNSWICK, MAINE | N | 441 | X | 36.71 | SD | 3.645 | LT |
| L 04 66 | BRUNSWICK, MAINE | N | 441 | X | 43.88 | SD | 4.659 | HT |
| L 05 66 | BRUNSWICK, MAINE | N | 456 | X | 44.89 | SD | 4.957 | LT |
| L 05 66 | BRUNSWICK, MAINE | N | 456 | X | 52.41 | SD | 6.827 | HT |
| L 06 66 | BRUNSWICK, MAINE | N | 441 | X | 56.55 | SD | 3.762 | LT |
| L 06 66 | BRUNSWICK, MAINE | N | 441 | X | 64.04 | SD | 5.587 | HT |
| L 07 66 | BRUNSWICK, MAINE | N | 452 | X | 62.75 | SD | 2.315 | LT |
| L 07 66 | BRUNSWICK, MAINE | N | 452 | X | 70.78 | SD | 5.890 | HT |
| L 08 66 | BRUNSWICK, MAINE | N | 477 | X | 63.40 | SD | 2.620 | LT |
| L 08 66 | BRUNSWICK, MAINE | N | 477 | X | 70.25 | SD | 5.272 | HT |
| L 09 66 | BRUNSWICK, MAINE | N | 457 | X | 63.39 | SD | 4.115 | LT |
| L 09 66 | BRUNSWICK, MAINE | N | 457 | X | 67.40 | SD | 5.720 | HT |
| L 10 66 | BRUNSWICK, MAINE | N | 423 | X | 50.20 | SD | 3.818 | LT |
| L 10 66 | BRUNSWICK, MAINE | N | 423 | X | 57.30 | SD | 5.050 | HT |
| L 11 66 | BRUNSWICK, MAINE | N | 380 | X | 43.99 | SD | 4.169 | LT |
| L 11 66 | BRUNSWICK, MAINE | N | 380 | X | 48.36 | SD | 3.975 | HT |
| L 12 66 | BRUNSWICK, MAINE | N | 72 | X | 37.28 | SD | 4.260 | LT |
| L 12 66 | BRUNSWICK, MAINE | N | 72 | X | 44.10 | SD | 4.348 | HT |

TABLE 28. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, NAS, Brunswick, Maine.

| | | | | | | | | |
|---------|------------------|---|-----|---|-------|----|--------|----|
| D 01 65 | BRUNSWICK, MAINE | N | 129 | X | 21.19 | SL | 11.107 | LT |
| D 01 65 | BRUNSWICK, MAINE | N | 129 | X | 33.98 | SD | 7.184 | HT |
| D 02 65 | BRUNSWICK, MAINE | N | 159 | X | 19.75 | SD | 10.321 | LY |
| D 02 65 | BRUNSWICK, MAINE | N | 159 | X | 34.72 | SD | 7.350 | HT |
| D 03 65 | BRUNSWICK, MAINE | N | 198 | X | 28.39 | SD | 6.435 | LT |
| D 03 65 | BRUNSWICK, MAINE | N | 198 | X | 44.87 | SD | 5.100 | HT |
| D 04 65 | BRUNSWICK, MAINE | N | 190 | X | 35.26 | SD | 5.375 | LT |
| D 04 65 | BRUNSWICK, MAINE | N | 190 | X | 49.99 | SD | 6.860 | HT |
| D 05 65 | BRUNSWICK, MAINE | N | 206 | X | 46.96 | SD | 8.095 | LT |
| D 05 65 | BRUNSWICK, MAINE | N | 206 | X | 60.00 | SD | 10.239 | HT |
| D 06 65 | BRUNSWICK, MAINE | N | 22 | X | 56.95 | SD | 2.572 | LT |
| D 06 65 | BRUNSWICK, MAINE | N | 22 | X | 57.95 | SD | 2.554 | HT |
| D 07 65 | BRUNSWICK, MAINE | N | 236 | X | 64.30 | SD | 3.728 | LT |
| D 07 65 | BRUNSWICK, MAINE | N | 236 | X | 77.85 | SD | 7.106 | HT |
| D 08 65 | BRUNSWICK, MAINE | N | 82 | X | 60.46 | SD | 6.000 | LT |
| D 08 65 | BRUNSWICK, MAINE | N | 82 | X | 72.30 | SD | 6.300 | HT |
| D 09 65 | BRUNSWICK, MAINE | N | 244 | X | 55.57 | SD | 7.637 | LT |
| D 09 65 | BRUNSWICK, MAINE | N | 244 | X | 70.33 | SD | 7.341 | HT |
| D 10 65 | BRUNSWICK, MAINE | N | 126 | X | 46.61 | SD | 6.971 | LT |
| D 10 65 | BRUNSWICK, MAINE | N | 126 | X | 58.00 | SD | 5.112 | HT |
| D 11 65 | BRUNSWICK, MAINE | N | 184 | X | 35.66 | SD | 8.222 | LT |
| D 11 65 | BRUNSWICK, MAINE | N | 184 | X | 46.20 | SD | 6.078 | HT |
| D 12 65 | BRUNSWICK, MAINE | N | 195 | X | 26.14 | SD | 10.604 | LT |
| D 12 65 | BRUNSWICK, MAINE | N | 195 | X | 37.99 | SL | 7.348 | HT |
| D 01 66 | BRUNSWICK, MAINE | N | 163 | X | 15.80 | SD | 11.490 | LT |
| D 01 66 | BRUNSWICK, MAINE | N | 163 | X | 34.82 | SD | 7.592 | HT |
| D 02 66 | BRUNSWICK, MAINE | N | 161 | X | 19.14 | SD | 11.352 | LT |
| D 02 66 | BRUNSWICK, MAINE | N | 161 | X | 35.27 | SD | 7.580 | HT |
| D 03 66 | BRUNSWICK, MAINE | N | 209 | X | 28.81 | SD | 6.630 | LT |
| D 03 66 | BRUNSWICK, MAINE | N | 209 | X | 44.68 | SD | 5.113 | HT |
| D 04 66 | BRUNSWICK, MAINE | N | 201 | X | 35.74 | SD | 5.429 | LT |
| D 04 66 | BRUNSWICK, MAINE | N | 201 | X | 49.78 | SD | 6.821 | HT |
| D 05 66 | BRUNSWICK, MAINE | N | 206 | X | 46.70 | SD | 7.986 | LT |
| D 05 66 | BRUNSWICK, MAINE | N | 206 | X | 59.44 | SD | 10.175 | HT |
| D 06 66 | BRUNSWICK, MAINE | N | 203 | X | 58.00 | SD | 4.824 | LT |
| D 06 66 | BRUNSWICK, MAINE | N | 203 | X | 72.94 | SD | 8.347 | HT |
| D 07 66 | BRUNSWICK, MAINE | N | 207 | X | 64.64 | SD | 3.775 | LT |
| D 07 66 | BRUNSWICK, MAINE | N | 207 | X | 79.48 | SD | 5.645 | HT |
| D 08 66 | BRUNSWICK, MAINE | N | 209 | X | 63.00 | SD | 3.267 | LT |
| D 08 66 | BRUNSWICK, MAINE | N | 209 | X | 77.31 | SD | 6.139 | HT |
| D 09 66 | BRUNSWICK, MAINE | N | 201 | X | 54.03 | SD | 7.682 | LT |
| D 09 66 | BRUNSWICK, MAINE | N | 201 | X | 70.03 | SD | 8.725 | HT |
| D 10 66 | BRUNSWICK, MAINE | N | 206 | X | 44.77 | SD | 6.443 | LT |
| D 10 66 | BRUNSWICK, MAINE | N | 206 | X | 58.81 | SD | 5.515 | HT |
| D 11 66 | BRUNSWICK, MAINE | N | 200 | X | 37.38 | SD | 8.806 | LT |
| D 11 66 | BRUNSWICK, MAINE | N | 200 | X | 47.05 | SD | 5.696 | HT |
| D 12 66 | BRUNSWICK, MAINE | N | 34 | X | 23.44 | SD | 10.782 | LT |
| D 12 66 | BRUNSWICK, MAINE | N | 34 | X | 40.29 | SD | 5.921 | HT |

GRAPHIC NOT REPRODUCIBLE

TABLE 29. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NS, Argentina, Newfoundland.

| | | | | | | | | |
|-------|----------|-------|---|-------|-------|----|-------|----|
| 01 01 | U.S.N.S. | NEWF. | N | 8 X | 28.50 | SD | 3.505 | LT |
| 01 01 | U.S.N.S. | NEWF. | N | 8 X | 35.62 | SD | 2.504 | HT |
| 02 05 | U.S.N.S. | NEWF. | N | 1 X | 30.00 | SD | .000 | LT |
| 02 05 | U.S.N.S. | NEWF. | N | 1 X | 34.00 | SD | .000 | HT |
| 03 05 | U.S.N.S. | NEWF. | N | 2 X | 28.50 | SD | .707 | LT |
| 03 05 | U.S.N.S. | NEWF. | N | 2 X | 33.00 | SD | .000 | HT |
| 04 05 | U.S.N.S. | NEWF. | N | 14 X | 34.56 | SD | 3.231 | LT |
| 04 05 | U.S.N.S. | NEWF. | N | 14 X | 40.86 | SD | 6.993 | HT |
| 05 05 | U.S.N.S. | NEWF. | N | 6 X | 37.23 | SD | 2.160 | LT |
| 05 05 | U.S.N.S. | NEWF. | N | 6 X | 41.33 | SD | 3.502 | HT |
| 06 05 | U.S.N.S. | NEWF. | N | 124 X | 43.94 | SD | 4.907 | LT |
| 06 05 | U.S.N.S. | NEWF. | N | 124 X | 50.80 | SD | 5.162 | HT |
| 07 05 | U.S.N.S. | NEWF. | N | 192 X | 51.35 | SD | 3.967 | LT |
| 07 05 | U.S.N.S. | NEWF. | N | 192 X | 57.67 | SD | 4.610 | HT |
| 08 05 | U.S.N.S. | NEWF. | N | 61 X | 55.33 | SD | 6.087 | LT |
| 08 05 | U.S.N.S. | NEWF. | N | 61 X | 60.64 | SD | 3.522 | HT |
| 09 05 | U.S.N.S. | NEWF. | N | 69 X | 53.10 | SD | 4.336 | LT |
| 09 05 | U.S.N.S. | NEWF. | N | 69 X | 61.48 | SD | 3.648 | HT |
| 10 05 | U.S.N.S. | NEWF. | N | 50 X | 47.68 | SD | 4.855 | LT |
| 10 05 | U.S.N.S. | NEWF. | N | 50 X | 56.52 | SD | 4.709 | HT |
| 11 05 | U.S.N.S. | NEWF. | N | 83 X | 39.22 | SD | 4.370 | LT |
| 11 05 | U.S.N.S. | NEWF. | N | 82 X | 51.24 | SD | 6.792 | HT |
| 12 05 | U.S.N.S. | NEWF. | N | 63 X | 38.79 | SD | 5.440 | LT |
| 12 05 | U.S.N.S. | NEWF. | N | 63 X | 44.27 | SD | 8.890 | HT |
| 01 06 | U.S.N.S. | NEWF. | N | 34 X | 29.20 | SD | 5.090 | LT |
| 01 06 | U.S.N.S. | NEWF. | N | 34 X | 37.39 | SD | 6.267 | HT |
| 02 06 | U.S.N.S. | NEWF. | N | 41 X | 28.71 | SD | 6.051 | LT |
| 02 06 | U.S.N.S. | NEWF. | N | 41 X | 36.51 | SD | 5.801 | HT |
| 03 06 | U.S.N.S. | NEWF. | N | 54 X | 29.69 | SD | 4.842 | LT |
| 03 06 | U.S.N.S. | NEWF. | N | 54 X | 36.69 | SD | 3.821 | HT |
| 04 06 | U.S.N.S. | NEWF. | N | 32 X | 32.92 | SD | 4.142 | LT |
| 04 06 | U.S.N.S. | NEWF. | N | 32 X | 40.45 | SD | 3.456 | HT |
| 05 06 | U.S.N.S. | NEWF. | N | 39 X | 34.56 | SD | 5.753 | LT |
| 05 06 | U.S.N.S. | NEWF. | N | 39 X | 42.36 | SD | 3.203 | HT |
| 06 06 | U.S.N.S. | NEWF. | N | 56 X | 41.26 | SD | 5.956 | LT |
| 06 06 | U.S.N.S. | NEWF. | N | 56 X | 49.95 | SD | 4.240 | HT |
| 07 06 | U.S.N.S. | NEWF. | N | 50 X | 49.66 | SD | 6.219 | LT |
| 07 06 | U.S.N.S. | NEWF. | N | 50 X | 53.22 | SD | 4.455 | HT |
| 08 06 | U.S.N.S. | NEWF. | N | 73 X | 54.34 | SD | 4.671 | LT |
| 08 06 | U.S.N.S. | NEWF. | N | 73 X | 52.25 | SD | 4.210 | HT |
| 09 06 | U.S.N.S. | NEWF. | N | 65 X | 53.17 | SD | 3.021 | LT |
| 09 06 | U.S.N.S. | NEWF. | N | 65 X | 55.22 | SD | 4.400 | HT |
| 10 06 | U.S.N.S. | NEWF. | N | 57 X | 48.57 | SD | 3.042 | LT |
| 10 06 | U.S.N.S. | NEWF. | N | 57 X | 56.89 | SD | 5.038 | HT |
| 11 06 | U.S.N.S. | NEWF. | N | 61 X | 41.74 | SD | 4.195 | LT |
| 11 06 | U.S.N.S. | NEWF. | N | 61 X | 49.79 | SD | 6.598 | HT |
| 12 06 | U.S.N.S. | NEWF. | N | 52 X | 38.21 | SD | 5.322 | LT |
| 12 06 | U.S.N.S. | NEWF. | N | 52 X | 44.60 | SD | 5.613 | HT |

GRAPHIC NOT REPRODUCIBLE

TABLE 22. (Contd.)

| | | | | | | | | |
|---------|----------|-------|---|------|-------|----|-------|----|
| L 01 67 | U.S.N.S. | NEWF. | N | 39 X | 33.10 | SD | 3.831 | LT |
| L 01 67 | U.S.N.S. | NEWF. | N | 39 X | 44.68 | SD | 7.982 | HT |
| L 02 67 | U.S.N.S. | NEWF. | N | 14 X | 27.86 | SD | 5.447 | LT |
| L 02 67 | U.S.N.S. | NEWF. | N | 14 X | 37.71 | SD | 6.005 | HT |
| L 03 67 | U.S.N.S. | NEWF. | N | 35 X | 26.14 | SD | 4.216 | LT |
| L 03 67 | U.S.N.S. | NEWF. | N | 35 X | 35.14 | SD | 4.900 | HT |
| L 04 67 | U.S.N.S. | NEWF. | N | 19 X | 27.37 | SD | 5.766 | LT |
| L 04 67 | U.S.N.S. | NEWF. | N | 19 X | 36.21 | SD | 4.467 | HT |
| L 05 67 | U.S.N.S. | NEWF. | N | 34 X | 35.03 | SD | 3.818 | LT |
| L 05 67 | U.S.N.S. | NEWF. | N | 34 X | 44.00 | SD | 5.240 | HT |
| L 06 67 | U.S.N.S. | NEWF. | N | 10 X | 36.70 | SD | 5.658 | LT |
| L 06 67 | U.S.N.S. | NEWF. | N | 10 X | 47.00 | SD | 2.582 | HT |

TABLE 30. Minimum and Maximum Storage Temperature in Earth-Covered Storage Magazines,
Monthly Summaries, NS, Keflavik, Iceland.

| | | | | | | | |
|---------|----------|-----------|------|-------|----|-------|----|
| D 10 64 | U.S.N.S. | ICELAND N | 9 X | 38.00 | SD | 3.873 | LT |
| D 10 64 | U.S.N.S. | ICELAND N | 9 X | 45.11 | SD | 5.207 | HT |
| D 11 64 | U.S.N.S. | ICELAND N | 20 X | 34.25 | SD | 8.372 | LT |
| D 11 64 | U.S.N.S. | ICELAND N | 20 X | 46.55 | SD | 4.718 | HT |
| D 12 64 | U.S.N.S. | ICELAND N | 22 X | 29.55 | SD | 5.280 | LT |
| D 12 64 | U.S.N.S. | ICELAND N | 22 X | 41.55 | SD | 3.348 | HT |
| D 01 65 | U.S.N.S. | ICELAND N | 20 X | 27.30 | SD | 4.305 | LT |
| D 01 65 | U.S.N.S. | ICELAND N | 20 X | 39.75 | SD | 6.069 | HT |
| D 02 65 | U.S.N.S. | ICELAND N | 9 X | 26.89 | SD | 3.887 | LT |
| D 02 65 | U.S.N.S. | ICELAND N | 9 X | 40.44 | SD | 5.270 | HT |
| D 03 65 | U.S.N.S. | ICELAND N | 44 X | 28.34 | SD | 5.734 | LT |
| D 03 65 | U.S.N.S. | ICELAND N | 44 X | 39.39 | SD | 6.868 | HT |
| D 04 65 | U.S.N.S. | ICELAND N | 24 X | 27.71 | SD | 5.583 | LT |
| D 04 65 | U.S.N.S. | ICELAND N | 24 X | 43.62 | SD | 8.865 | HT |
| D 05 65 | U.S.N.S. | ICELAND N | 36 X | 35.14 | SD | 6.128 | LT |
| D 05 65 | U.S.N.S. | ICELAND N | 36 X | 47.86 | SD | 6.962 | HT |
| D 06 65 | U.S.N.S. | ICELAND N | 45 X | 41.44 | SD | 5.101 | LT |
| D 06 65 | U.S.N.S. | ICELAND N | 45 X | 55.42 | SD | 8.672 | HT |
| D 07 65 | U.S.N.S. | ICELAND N | 36 X | 45.33 | SD | 5.204 | LT |
| D 07 65 | U.S.N.S. | ICELAND N | 36 X | 58.64 | SD | 7.318 | HT |
| D 08 65 | U.S.N.S. | ICELAND N | 27 X | 46.44 | SL | 5.221 | LT |
| D 08 65 | U.S.N.S. | ICELAND N | 27 X | 60.44 | SD | 7.376 | HT |
| D 09 65 | U.S.N.S. | ICELAND N | 36 X | 45.56 | SL | 3.359 | LT |
| D 09 65 | U.S.N.S. | ICELAND N | 36 X | 52.33 | SD | 3.456 | HT |
| D 10 65 | U.S.N.S. | ICELAND N | 27 X | 44.44 | SD | 3.935 | LT |
| D 10 65 | U.S.N.S. | ICELAND N | 27 X | 50.37 | SD | 3.628 | HT |
| D 11 65 | U.S.N.S. | ICELAND N | 27 X | 34.70 | SD | 6.632 | LT |
| D 11 65 | U.S.N.S. | ICELAND N | 27 X | 43.00 | SD | 3.494 | HT |
| D 12 65 | U.S.N.S. | ICELAND N | 45 X | 29.82 | SD | 5.374 | LT |
| D 12 65 | U.S.N.S. | ICELAND N | 45 X | 35.87 | SD | 4.906 | HT |

TABLE 30. (Contd.)

| | | | | | | | |
|---------|----------|-----------|------|-------|----|-------|----|
| D 01 66 | U.S.N.S. | ICELAND N | 25 X | 31.20 | SD | 7.118 | LT |
| D 01 66 | U.S.N.S. | ICELAND N | 25 X | 35.75 | SD | 6.333 | HT |
| D 02 66 | U.S.N.S. | ICELAND N | 36 X | 29.81 | SD | 2.984 | LT |
| D 02 66 | U.S.N.S. | ICELAND N | 36 X | 37.11 | SD | 4.839 | HT |
| D 03 66 | U.S.N.S. | ICELAND N | 45 X | 30.58 | SD | 4.031 | LT |
| D 03 66 | U.S.N.S. | ICELAND N | 45 X | 36.67 | SD | 2.697 | HT |
| D 04 66 | U.S.N.S. | ICELAND N | 27 X | 34.11 | SD | 3.401 | LT |
| D 04 66 | U.S.N.S. | ICELAND H | 27 X | 39.85 | SD | 2.656 | HT |
| D 05 66 | U.S.N.S. | ICELAND N | 34 X | 38.26 | SD | 3.629 | LT |
| D 05 66 | U.S.N.S. | ICELAND N | 34 X | 44.09 | SD | 3.334 | HT |
| D 06 66 | U.S.N.S. | ICELAND N | 48 X | 45.15 | SD | 3.433 | LT |
| D 06 66 | U.S.N.S. | ICELAND N | 48 X | 51.02 | SD | 4.003 | HT |
| D 07 66 | U.S.N.S. | ICELAND N | 30 X | 50.70 | SD | 3.153 | LT |
| D 07 66 | U.S.N.S. | ICELAND N | 30 X | 56.67 | SD | 5.254 | HT |
| D 08 66 | U.S.N.S. | ICELAND N | 35 X | 50.37 | SD | 2.798 | LT |
| D 08 66 | U.S.N.S. | ICELAND N | 35 X | 56.26 | SD | 4.238 | HT |
| D 09 66 | U.S.N.S. | ICELAND H | 19 X | 46.37 | SD | 3.961 | LT |
| D 09 66 | U.S.N.S. | ICELAND H | 19 X | 52.60 | SD | 2.404 | HT |
| D 10 66 | U.S.N.S. | ICELAND N | 24 X | 42.33 | SD | 3.807 | LT |
| D 10 66 | U.S.N.S. | ICELAND N | 24 X | 48.42 | SD | 3.955 | HT |
| D 11 66 | U.S.N.S. | ICELAND N | 22 X | 34.45 | SD | 6.501 | LT |
| D 11 66 | U.S.N.S. | ICELAND N | 22 X | 43.91 | SD | 5.255 | HT |
| D 12 66 | U.S.N.S. | ICELAND N | 11 X | 29.64 | SD | 5.573 | LT |
| D 12 66 | U.S.N.S. | ICELAND N | 11 X | 39.09 | SD | 3.015 | HT |
| D 01 67 | U.S.N.S. | ICELAND N | 20 X | 29.75 | SD | 5.014 | LT |
| D 01 67 | U.S.N.S. | ICELAND N | 20 X | 38.70 | SD | 2.755 | HT |
| D 02 67 | U.S.N.S. | ICELAND N | 20 X | 32.10 | SD | 5.330 | LT |
| D 02 67 | U.S.N.S. | ICELAND H | 20 X | 42.20 | SD | 1.824 | HT |
| D 03 67 | U.S.N.S. | ICELAND N | 30 X | 23.80 | SD | 7.827 | LT |
| D 03 67 | U.S.N.S. | ICELAND N | 30 X | 40.37 | SD | 8.315 | HT |
| D 04 67 | U.S.N.S. | ICELAND N | 20 X | 26.20 | SD | 2.821 | LT |
| D 04 67 | U.S.N.S. | ICELAND H | 20 X | 43.20 | SD | 5.709 | HT |
| D 05 67 | U.S.N.S. | ICELAND N | 9 X | 31.11 | SD | 4.372 | LT |
| D 05 67 | U.S.N.S. | ICELAND H | 9 X | 44.60 | SD | 3.606 | HT |

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Part 4

TABLE 31. Minimum and Maximum Storage Temperature in Non-Earth-Covered Storage Magazines,
Monthly Summaries, NS, Keflavik, Iceland.

| | | | | | | | |
|---------|----------|-----------|------|-------|----|--------|----|
| D 10 64 | U.S.N.S. | ICELAND N | 9 X | 37.11 | SD | 4.807 | LT |
| L 10 64 | U.S.N.S. | ICELAND H | 9 X | 54.89 | SD | 1.764 | HT |
| D 11 64 | U.S.N.S. | ICELAND N | 16 X | 27.06 | SD | 8.386 | LT |
| D 11 64 | U.S.N.S. | ICELAND H | 16 X | 46.75 | SD | 4.123 | HT |
| D 12 64 | U.S.N.S. | ICELAND N | 16 X | 17.50 | SD | 6.613 | LT |
| D 12 64 | U.S.N.S. | ICELAND H | 16 X | 45.81 | SD | 4.708 | HT |
| D 01 65 | U.S.N.S. | ICELAND N | 27 X | 14.44 | SD | 5.041 | LT |
| D 01 65 | U.S.N.S. | ICELAND H | 27 X | 45.59 | SD | 5.839 | HT |
| D 02 65 | U.S.N.S. | ICELAND N | 8 X | 21.50 | SD | 6.118 | LT |
| D 02 65 | U.S.N.S. | ICELAND H | 8 X | 45.37 | SD | 2.973 | HT |
| D 03 65 | U.S.N.S. | ICELAND N | 30 X | 21.87 | SD | 6.947 | LT |
| D 03 65 | U.S.N.S. | ICELAND H | 30 X | 46.93 | SD | 6.080 | HT |
| D 04 65 | U.S.N.S. | ICELAND N | 14 X | 25.86 | SD | 5.682 | LT |
| D 04 65 | U.S.N.S. | ICELAND H | 14 X | 57.86 | SD | 3.713 | HT |
| D 05 65 | U.S.N.S. | ICELAND N | 18 X | 38.67 | SD | 5.269 | LT |
| D 05 65 | U.S.N.S. | ICELAND H | 18 X | 61.78 | SD | 4.181 | HT |
| D 06 65 | U.S.N.S. | ICELAND N | 26 X | 46.23 | SD | 4.246 | LT |
| D 06 65 | U.S.N.S. | ICELAND H | 26 X | 68.15 | SD | 5.583 | HT |
| D 07 65 | U.S.N.S. | ICELAND N | 28 X | 51.21 | SD | 6.466 | LT |
| D 07 65 | U.S.N.S. | ICELAND H | 28 X | 75.89 | SD | 6.613 | HT |
| D 08 65 | U.S.N.S. | ICELAND N | 21 X | 44.76 | SD | 6.212 | LT |
| D 08 65 | U.S.N.S. | ICELAND H | 21 X | 66.24 | SD | 7.085 | HT |
| D 09 65 | U.S.N.S. | ICELAND N | 28 X | 40.82 | SD | 4.439 | LT |
| D 09 65 | U.S.N.S. | ICELAND H | 28 X | 64.00 | SD | 5.676 | HT |
| D 10 65 | U.S.N.S. | ICELAND N | 21 X | 38.67 | SD | 4.789 | LT |
| D 10 65 | U.S.N.S. | ICELAND H | 21 X | 56.10 | SD | 6.115 | HT |
| D 11 65 | U.S.N.S. | ICELAND N | 15 X | 27.47 | SD | 5.902 | LT |
| D 11 65 | U.S.N.S. | ICELAND H | 15 X | 45.00 | SD | 10.876 | HT |
| D 12 65 | U.S.N.S. | ICELAND N | 27 X | 19.59 | SD | 4.774 | LT |
| D 12 65 | U.S.N.S. | ICELAND H | 27 X | 36.96 | SD | 6.642 | HT |

TABLE 31. (Contd.)

| | | | | | | | |
|---------|----------|-----------|------|-------|----|--------|----|
| D 01 66 | U.S.N.S. | ICELAND N | 13 X | 19.38 | SD | 8.656 | LT |
| D 01 66 | U.S.N.S. | ICELAND N | 13 X | 43.92 | SD | 7.308 | HT |
| D 02 66 | U.S.N.S. | ICELAND N | 21 X | 18.52 | SD | 2.713 | LT |
| D 02 66 | U.S.N.S. | ICELAND N | 21 X | 36.24 | SD | 5.864 | HT |
| D 03 66 | U.S.N.S. | ICELAND N | 25 X | 25.12 | SD | 4.944 | LT |
| D 03 66 | U.S.N.S. | ICELAND N | 25 X | 44.24 | SD | 7.769 | HT |
| D 04 66 | U.S.N.S. | ICELAND N | 15 X | 31.27 | SD | 4.847 | LT |
| D 04 66 | U.S.N.S. | ICELAND N | 15 X | 55.53 | SD | 8.999 | HT |
| D 05 66 | U.S.N.S. | ICELAND N | 20 X | 38.85 | SD | 4.934 | LT |
| D 05 66 | U.S.N.S. | ICELAND N | 20 X | 62.85 | SD | 8.067 | HT |
| D 06 66 | U.S.N.S. | ICELAND N | 31 X | 46.52 | SD | 3.678 | LT |
| D 06 66 | U.S.N.S. | ICELAND N | 31 X | 71.35 | SD | 7.961 | HT |
| D 07 66 | U.S.N.S. | ICELAND N | 20 X | 51.55 | SD | 2.762 | LT |
| D 07 66 | U.S.N.S. | ICELAND N | 20 X | 76.30 | SD | 11.131 | HT |
| D 08 66 | U.S.N.S. | ICELAND N | 23 X | 49.74 | SL | 5.794 | LT |
| D 08 66 | U.S.N.S. | ICELAND N | 23 X | 74.87 | SD | 7.990 | HT |
| D 09 66 | U.S.N.S. | ICELAND N | 20 X | 43.00 | SL | 2.865 | LT |
| D 09 66 | U.S.N.S. | ICELAND N | 20 X | 64.05 | SD | 7.097 | HT |
| D 10 66 | U.S.N.S. | ICELAND N | 20 X | 31.75 | SD | 4.375 | LT |
| D 10 66 | U.S.N.S. | ICELAND N | 20 X | 54.90 | SD | 7.853 | HT |
| D 11 66 | U.S.N.S. | ICELAND N | 10 X | 28.30 | SD | 4.620 | LT |
| D 11 66 | U.S.N.S. | ICELAND N | 10 X | 47.90 | SD | 5.587 | HT |
| D 12 66 | U.S.N.S. | ICELAND N | 9 X | 21.22 | SD | 7.645 | LT |
| D 12 66 | U.S.N.S. | ICELAND N | 9 X | 41.56 | SD | 3.941 | HT |
| D 01 67 | U.S.N.S. | ICELAND N | 12 X | 21.83 | SD | 7.554 | LT |
| D 01 67 | U.S.N.S. | ICELAND N | 12 X | 44.17 | SD | 5.875 | HT |
| D 02 67 | U.S.N.S. | ICELAND N | 12 X | 24.33 | SD | 3.892 | LT |
| D 02 67 | U.S.N.S. | ICELAND N | 12 X | 51.50 | SD | 7.586 | HT |
| D 03 67 | U.S.N.S. | ICELAND N | 20 X | 19.60 | SL | 6.411 | LT |
| D 03 67 | U.S.N.S. | ICELAND N | 20 X | 45.55 | SD | 10.836 | HT |
| D 04 67 | U.S.N.S. | ICELAND N | 7 X | 18.29 | SD | 6.473 | LT |
| D 04 67 | U.S.N.S. | ICELAND N | 7 X | 52.66 | SD | 9.442 | HT |
| D 05 67 | U.S.N.S. | ICELAND N | 2 X | 42.00 | SD | 00.000 | LT |
| D 05 67 | U.S.N.S. | ICELAND N | 2 X | 46.00 | SD | 00.000 | HT |

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Appendix E

STATISTICAL NOTES AND IMPLICATIONS

The following points concerning the data should be considered before making final judgment on the contents of this report.

- (1) The time intervals at which temperature readings were taken were not equal. The maximum and minimum temperature readings were those encountered within the magazine during those intervals of time. The difference in reading-time intervals biases the results in both maximum and minimum directions. It has been found that the temperatures in some magazines were read daily, weekly, biweekly, or monthly, or less frequently, depending on the material and procedures cogent to each facility. This, of course, biases the results upward as a high temperature for 1 day may be the recorded temperature for that magazine for a 1-week or greater period, instead of for that specific day.
- (2) The amount of ammunition in the storage magazines is not always constant. The absorption of heat by the ammunition (dependent on the quantity of material) within the magazine could cause differences in temperature readings that are not accounted for.
- (3) The frequency at which the magazine doors are opened will also influence the temperature readings. This effect is also not accounted for.
- (4) The Data Summary indicating the number of minimum temperature readings less than nominal temperatures is exclusive of maximum temperature readings. Perhaps the maximum temperatures could be used in such a way as to provide the time duration of these nominal temperatures. If, for example, the maximum temperature recorded for a reading interval is 20°F, it is certain that the temperature within the storage magazine was no higher than 20°F during that reading interval.

The number of data points, the averages, and the standard deviations of temperature readings for each month was reported in Appendix C and D because these statistics provide information concerning the distribution of temperature readings. If it is assumed that these temperature measurements are normally distributed (the Gaussian curve) within each month, and the data in most cases does not indicate that it is a poor assumption for practical use, the standard deviation can be used to attach probabilities of occurrences to nominal temperature values. For example, in January 1965, for earth-covered magazines at NAD, Bremerton, Washington, the sample size is 34, the average minimum temperature is 37.97°F, and the standard deviation is 2.516°F.

From this and the assumption that the data is representative of the storage temperatures encountered in January, the probability of getting a storage temperature of $30.4 (37.97 - \rho_3)^\circ\text{F}$ or less is .005.

In some cases where the distribution of temperatures is not normal within a month, one might consider the use of order statistics to predict the occurrence of storage temperatures less than nominal temperatures. With the application of order statistics one would be able to say that in W-22, non-earth-covered storage building, at Fort Richardson, Alaska, the probability of encountering a temperature of less than -9°F is less than one in a hundred in the month of December; this also applies to January.

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| <p>Storage magazine temperature measurements (34,607 data points) from Alaska, Washington, Maine, Newfoundland, and Iceland are under study. This data collection is for the purpose of establishing a temperature criterion by statistical methods for ordnance stored in explosive hazard magazines.</p> <p>This report is the fourth of this series of reports which will cover explosive hazard magazine storage temperatures throughout the world. This report includes 37 figures and 31 tables.</p> | | | |

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NAS, Seattle, Washington
Fort Richardson, Alaska
NS, Kodiak, Alaska
NS, Adak, Alaska
NAS, Brunswick, Maine
NS, Argentia, Newfoundland
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