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**USNWC notice, 4 Aug 1981**

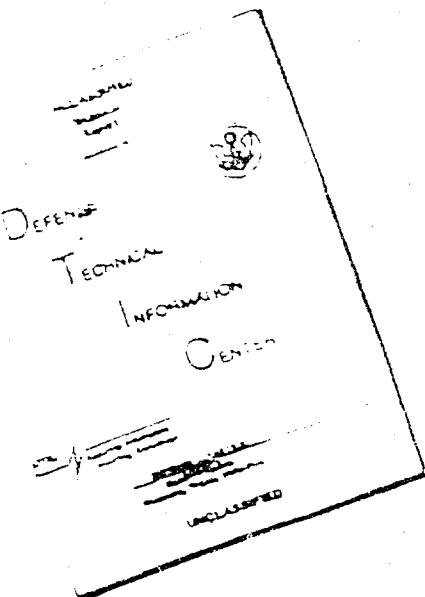
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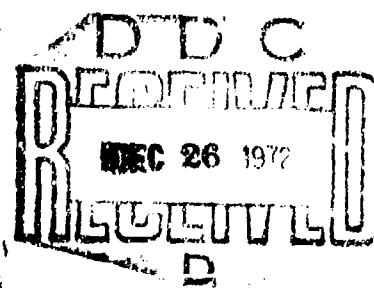
NWC TP 5039

Part 2

# Measured Temperatures of Solid Rocket Motors Dump Stored in the Tropics and Desert

## Part 2. Data Sample

by  
Howard C. Schafer  
*Propulsion Development Department*



# Naval Weapons Center

CHINA LAKE, CALIFORNIA NOVEMBER 1972

93555

Distribution limited to U.S. Government agencies only; test and evaluation, 15 November 1972. Other requests for this document must be referred to the Naval Weapons Center.

## ABSTRACT

Measurement sites were established at worldwide locations to obtain empirical data that could be used to more accurately predict the thermal environment of dump-stored ordnance. Data obtained from measurement sites in the desert and tropics on solid rocket motors are presented along with an analysis of the data. The data are presented in terms of cumulative probability, maximum-minimum daily temperatures, and in a few cases as diurnal cycles. Part 1 of the report contains a summary of the results and a discussion of the general philosophy regarding the work. Part 2 is a compilation of some of the NWC data runs, exact evidence from which Part 1 is drawn, and will be of interest to only the serious investigator. This effort is not the final word on the NWC investigation, only a sample of the vast information available from this source.

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# Naval Weapons Center

AN ACTIVITY OF THE NAVAL MATERIAL COMMAND

W. J. Moran, RADM, USN ..... Commander  
H. G. Wilson ..... Technical Director

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## FOREWORD

This report covers part of a continuing effort to determine the thermal environment of dump stored ordnance. Part 1 contains a summary of the results and Part 2 a sample of the raw data obtained by the Naval Weapons Center (NWC), China Lake, California. This work is sponsored by the Naval Air Systems Command under AirTask F 00-311-008.

Warren W. Oshel of NWC has reviewed this report for technical accuracy.

Released by  
C. MAPLES, Head  
Quality Assurance Division  
15 November 1972

Under authority of  
G. W. LEONARD, Head  
Propulsion Development Department

## ACKNOWLEDGEMENT

A major portion of the credit for the success of this report is due to the efforts of Mr. Billy D. Martin who developed instrumentation repair and failure prediction methods that kept recorder breakdown at a minimum during the long periods of unattended operation. Also appreciated is the effort of Mr. Rolland J. Morey for his assistance in editing and presenting the material in this report.

The effort of many organizations has been, and is paramount in an undertaking of this type. The efforts of the Mine and Torpedo Division of the Naval Magazine, Subic Bay; the U.S. Army Tropic Test Center of TECOM; and the Instrumentation Branch at NWC are only the major contributors of the technician talent necessary to assure that the data continues to be provided.

## INTRODUCTION

This document (Part 2) is presented to provide a sample of the data that was used as the basis for the results presented in Part 1. Since no other published data could be found on dump storage of ordnance, it was believed appropriate to provide this limited sample for the serious student.

These data are from measurements on a 12-inch-diameter and an 8-inch-diameter rocket motor, and are representative of an enormous amount of raw data at NWC. These two rocket motors are dump-stored in the desert and the data are considered representative of maximum high temperature storage conditions.

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NWC TP 5039

Part 2

DATA IN CONTAINER CHANNEL 20

END CENTER CONTAINER SKIN

YEAR IS 1970. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MAXIMUM AND MINIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX		
1	64	63	62	57	57	56	56	70	103	131	143	141	152	146	145	139	126	121	116	100	90	72	69	55	152	
2	63	63	60	56	56	52	52	71	102	142	157	144	142	146	157	152	142	132	124	107	67	70	72	53	125	
3	75	66	63	61	55	59	59	60	70	103	142	153	150	129	166	162	155	166	136	116	100	86	83	73	76	59
4	76	74	72	72	70	70	66	62	105	125	151	162	140	145	140	142	146	140	123	114	101	86	80	73	76	59
5	79	72	70	60	64	64	65	62	116	134	152	142	159	156	156	157	136	124	105	93	85	81	80	75	66	164
6	77	75	71	72	60	65	74	111	140	157	143	162	145	145	145	123	104	92	85	82	74	76	75	66	163	
7	73	72	70	66	64	64	61	63	80	116	142	150	162	157	156	146	126	127	116	103	94	85	81	75	66	
8	72	76	77	73	72	74	74	76	95	115	126	126	126	119	119	116	119	116	106	92	81	70	74	71	61	162
9	64	64	62	61	61	61	62	60	86	102	124	124	124	134	134	132	118	119	111	95	81	71	71	65	63	165
10	63	62	61	61	61	61	61	61	75	89	95	101	106	116	122	122	125	118	104	94	85	73	67	65	55	137
11	61	61	60	58	58	56	56	54	67	70	104	132	141	143	152	145	145	127	107	94	84	73	68	64	54	135
12	63	63	61	61	61	61	61	61	72	71	76	126	126	126	126	126	126	126	104	93	83	74	74	72	61	147
13	60	57	56	56	56	56	56	56	64	63	103	116	130	130	145	126	125	127	116	101	95	76	76	72	61	147
14	57	57	51	52	52	52	52	52	62	62	113	127	126	127	126	126	126	126	126	101	97	86	82	73	61	145
15	60	66	56	56	52	52	51	51	61	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	54	140
16	45	41	41	41	41	41	41	41	57	67	71	106	122	130	130	157	150	156	146	133	131	122	114	114	102	137
17	45	46	46	46	46	46	46	46	52	52	60	107	126	126	126	126	126	126	126	126	121	111	104	94	86	145
18	42	42	42	42	42	42	42	42	52	52	61	61	61	61	61	61	61	61	61	61	61	61	61	61	52	145
19	70	70	70	62	61	62	60	60	74	116	141	156	146	146	146	146	145	145	135	116	107	94	74	74	64	146
20	73	76	77	72	73	73	73	73	86	97	107	126	126	126	126	126	126	126	126	112	111	102	95	87	54	152
21	22	21	20	20	20	20	20	20	74	72	85	127	127	142	142	146	146	145	145	145	145	145	145	145	145	174
22	23	22	22	22	22	22	22	22	72	70	85	127	127	142	142	146	146	146	146	146	146	146	146	146	146	172
23	74	70	65	62	61	63	77	71	118	162	153	161	167	167	165	165	165	165	165	165	165	165	165	165	165	164
24	73	73	73	73	73	73	73	73	72	72	72	116	125	125	125	125	125	125	125	125	125	125	125	125	125	167
25	70	77	72	72	73	71	71	72	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	175	
26	51	51	51	51	51	51	51	51	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	175
27	75	74	72	72	66	65	71	70	89	121	160	160	146	146	146	146	146	146	146	146	146	146	146	146	146	176
28	43	43	42	42	42	42	42	42	71	70	80	110	133	141	142	143	142	142	142	142	142	142	142	142	142	142
29	43	43	42	42	42	42	42	42	62	62	62	110	132	143	143	143	143	143	143	143	143	143	143	143	143	158
30	47	47	47	47	47	47	47	47	61	61	61	113	132	143	143	143	143	143	143	143	143	143	143	143	143	143

EXTENTIVE TEMPERATURE IS 50.0° STATION INVITATION IS 147.5° STATION INVITATION IS 147.5°

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ASPER MOTOR IN CONTAINER CHANNEL 29

FROM CENTER OUTSIDE CONTAINER SIDE

YEAR IS 1970. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES Fahrenheit AT ONE WHICH IS  
DETERMINED AT TWO OF COLUMNS. THE LAST TWO COLUMNS GIVE THE EXTREME AND AVERAGE TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	60	63	62	61	62	64	62	60	62	61	64	63	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	
2	75	71	68	66	75	62	63	72	71	62	60	59	57	55	53	51	49	47	45	43	41	39	37	35	33	31	29	27	25	23	21	
3	84	84	82	81	82	82	81	80	81	82	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	
4	93	91	89	87	92	87	85	87	85	87	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	
5	95	94	92	91	93	92	91	90	91	92	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	
6	96	94	92	91	93	92	91	90	91	92	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	
7	95	92	90	89	92	90	89	88	89	90	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	
8	93	90	88	86	91	88	86	85	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	
9	92	89	87	85	90	87	85	84	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	
10	90	87	85	83	90	87	85	84	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	
11	88	85	83	81	88	85	83	82	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	
12	86	83	81	79	86	83	81	80	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	
13	84	81	79	77	84	81	79	78	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	
14	82	79	77	75	82	79	77	76	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	
15	80	77	75	73	80	77	75	74	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	
16	78	75	73	71	78	75	73	72	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	
17	76	73	71	69	76	73	71	70	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	
18	74	71	69	67	74	71	69	68	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	
19	72	69	67	65	72	69	67	66	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	
20	70	67	65	63	70	67	65	64	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	
21	68	65	63	61	68	65	63	62	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
22	66	63	61	59	66	63	61	60	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
23	64	61	59	57	64	61	59	58	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
24	62	59	57	55	62	59	57	56	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
25	60	57	55	53	60	57	55	54	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
26	58	55	53	51	58	55	53	52	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
27	56	53	51	49	56	53	51	50	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29
28	54	51	49	47	54	51	49	48	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27
29	52	49	47	45	52	49	47	46	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25
30	50	47	45	43	50	47	45	44	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23
31	48	45	43	41	48	45	43	42	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

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NWC TP 5039

Part 2

AIRING ALUMINUM CONTAINER CHANNEL 29  
THIS CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1970. MONTH IS 8.

FIRST COLUMN IS DAY OR NIGHT AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1ST. MAX		
1	73	70	67	63	61	62	60	74	115	129	142	150	153	161	164	169	164	125	116	104	99	85	42	39	164		
2	73	70	66	63	61	60	59	82	105	134	135	135	120	126	127	133	141	137	131	117	105	91	87	33	52	170	
3	77	71	70	65	64	62	62	82	113	132	135	135	126	125	125	138	142	133	116	107	92	82	27	86	56	166	
4	95	77	76	73	73	73	70	89	100	134	137	152	157	156	160	135	136	120	95	87	84	82	40	70	157		
5	70	76	73	69	65	62	62	82	84	122	155	159	159	162	160	159	162	122	115	105	91	87	33	52	162		
6	73	75	71	70	68	66	66	85	116	141	150	151	171	167	161	164	157	156	132	120	109	97	84	76	56	171	
7	50	70	72	70	70	69	66	82	118	120	125	125	126	126	126	126	126	127	127	127	126	126	126	126	54	172	
8	33	76	76	72	73	67	66	117	124	147	152	153	162	162	136	136	126	126	127	127	127	127	127	127	57	157	
9	73	74	69	62	60	59	59	92	92	111	141	157	159	170	164	152	155	125	123	110	95	82	54	51	51	172	
10	40	76	71	66	63	62	60	87	117	136	146	170	163	172	158	149	141	124	113	97	84	74	53	47	47	172	
11	57	68	81	79	76	73	71	70	114	127	146	150	161	162	161	162	161	126	119	105	91	84	71	51	51	165	
12	51	62	72	72	73	73	72	83	114	136	152	151	167	168	160	159	157	125	120	114	104	81	77	75	75	164	
13	65	82	79	77	75	75	72	88	115	127	140	145	145	145	145	145	145	128	121	110	96	81	54	54	54	165	
14	12	31	77	72	71	71	68	85	118	124	147	152	153	162	162	136	136	124	124	115	102	92	72	57	51	164	
15	42	75	71	67	65	62	60	82	114	122	143	153	160	163	163	163	163	124	123	110	95	82	54	51	51	172	
16	23	22	22	22	22	22	22	74	81	114	121	145	155	161	161	152	152	124	124	113	97	84	74	53	47	172	
17	70	74	72	72	70	68	67	81	117	127	146	152	152	152	152	152	152	126	126	119	105	91	84	71	51	51	165
18	5	5	5	5	5	5	5	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	164
19	76	74	72	72	70	68	66	82	112	124	141	145	145	145	145	145	145	125	125	110	95	82	54	51	51	165	
20	23	23	23	23	23	23	23	76	85	112	122	143	153	153	153	153	153	125	125	110	95	82	54	51	51	165	
21	70	74	71	67	65	63	61	81	102	122	143	152	152	152	152	152	152	125	125	110	95	82	54	51	51	165	
22	77	74	71	65	63	62	60	82	115	135	153	162	162	162	162	162	162	137	137	131	112	95	82	54	51	165	
23	72	77	73	70	69	68	66	82	107	127	146	150	150	150	150	150	150	125	125	110	95	82	54	51	51	165	
24	72	77	73	71	69	67	65	82	106	124	141	152	152	152	152	152	152	125	125	110	95	82	54	51	51	165	
25	36	45	52	52	50	50	48	76	76	76	106	126	136	151	160	160	160	160	125	125	110	95	82	54	51	51	165
26	51	51	51	51	51	51	51	75	75	75	105	125	135	151	160	160	160	160	125	125	110	95	82	54	51	51	165
27	42	42	41	40	39	38	36	75	95	127	142	150	151	151	151	151	151	137	137	132	112	95	82	54	51	51	165
28	42	42	42	42	42	42	42	75	75	75	75	75	75	75	75	75	75	137	137	132	112	95	82	54	51	51	165
29	42	42	42	42	42	42	42	75	75	75	75	75	75	75	75	75	75	137	137	132	112	95	82	54	51	51	165
30	42	42	42	42	42	42	42	75	75	75	75	75	75	75	75	75	75	137	137	132	112	95	82	54	51	51	165
31	76	72	71	69	67	64	61	75	75	75	105	125	145	165	165	165	165	165	125	125	110	95	82	54	51	51	165

MAX. TEMP. 165.00° F. MIN. TEMP. 142.0° F. STATION 407 THERM. S. 407

MAX. TEMP. 165.00° F. MIN. TEMP. 142.0° F. STATION 407 THERM. S. 407

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AIRC MOTOR IN CONTAINER CHANNEL 29  
TOP CENTER OUTSIDE CONTAINER SKIN

YEAR TO 1970. MONTH IS 9.

FIRST COLUMN IS MAXIMUM AND LAST COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESTINED AT THIS AIR COLUMNS. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

0	1	2	3	4	-	5.	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	HGT. MAX		
1	72	71	62	69	62	63	59	72	61	120	146	158	156	157	146	137	120	107	93	83	79	75	75	58	158		
2	66	63	64	61	59	57	52	72	67	130	139	153	157	158	154	143	128	113	103	91	80	79	76	76	54	153	
3	74	70	64	62	58	55	52	72	65	120	134	148	157	160	147	135	130	115	102	97	80	75	73	71	53	160	
4	71	70	63	62	58	55	52	72	65	120	134	148	157	160	147	135	130	115	102	97	80	75	73	71	53	160	
5	67	62	63	61	59	57	52	67	66	83	111	121	128	125	124	125	121	110	101	93	90	75	71	70	50	156	
6	55	55	53	50	50	50	52	57	51	72	124	132	146	145	138	134	121	114	106	90	75	64	51	52	54	145	
7	66	62	63	58	58	56	54	60	56	73	126	136	143	144	151	145	137	124	116	104	95	73	71	59	58	145	
8	60	60	62	60	58	56	54	60	56	77	124	130	152	154	150	140	124	121	109	95	82	71	70	72	52	151	
9	72	63	65	63	61	61	60	62	58	78	129	141	149	150	151	151	147	139	130	118	107	92	84	80	74	56	154
10	73	70	70	66	63	62	61	73	61	131	148	161	165	161	159	156	145	137	125	112	92	83	77	71	57	151	
11	75	77	72	71	62	62	73	81	123	151	160	159	158	156	154	152	146	135	123	113	93	87	82	79	76	59	157
12	75	77	72	72	70	62	71	71	121	152	162	160	159	157	155	154	146	135	123	113	90	85	82	79	77	62	159
13	74	72	70	65	65	61	65	75	120	129	129	126	126	121	115	108	95	85	71	72	76	73	73	72	52	159	
14	63	60	59	53	51	52	47	45	52	120	112	108	123	112	111	111	102	95	86	74	70	67	65	65	61	123	
15	53	53	51	47	47	45	45	51	47	125	114	131	141	147	143	139	128	112	103	92	82	73	69	65	62	145	
16	53	53	52	52	52	51	51	51	51	120	115	127	127	125	125	120	116	104	91	80	76	71	69	65	61	151	
17	53	55	52	51	51	51	51	51	51	123	123	123	123	123	123	123	123	113	102	90	82	79	76	72	61	155	
18	41	41	56	55	55	52	51	49	56	121	124	124	124	124	124	124	124	115	102	90	80	75	72	67	57	145	
19	40	40	45	45	45	45	45	45	45	120	115	115	115	115	115	115	115	102	90	80	75	71	67	62	52	145	
20	47	47	46	46	46	46	46	46	46	120	117	117	117	117	117	117	117	102	90	80	75	71	67	62	52	145	
21	50	50	50	47	47	47	47	47	47	120	110	128	141	141	145	139	127	115	100	87	76	74	72	70	63	147	
22	52	52	52	50	50	50	50	50	50	120	115	115	115	115	115	115	115	102	90	80	75	71	67	62	52	145	
23	53	51	50	48	48	46	46	46	46	120	110	121	126	126	125	125	125	115	102	91	80	75	71	67	62	144	
24	53	51	50	48	48	46	46	46	46	120	110	112	112	112	112	112	112	102	91	80	75	71	67	62	52	144	
25	52	52	52	51	51	51	51	51	51	120	110	114	114	114	114	114	114	102	91	80	75	71	67	62	52	144	
26	44	44	42	42	42	41	41	41	41	120	110	115	115	115	115	115	115	102	91	80	75	71	67	62	52	144	
27	53	52	52	50	50	50	50	50	50	120	110	112	112	112	112	112	112	102	91	80	75	71	67	62	52	144	
28	54	51	51	47	47	46	46	46	46	120	110	112	112	112	112	112	112	102	91	80	75	71	67	62	52	144	
29	57	52	52	50	50	48	48	48	48	120	111	113	113	113	113	113	113	102	91	80	75	71	67	62	52	144	
30	61	57	54	55	54	52	52	52	52	120	110	112	112	112	112	112	112	102	91	80	75	71	67	62	52	144	

MEAN MINIMUM TEMPERATURE IS 67.4 STANDARD DEVIATION IS 6.83  
MEAN MAXIMUM TEMPERATURE IS 146.2 STANDARD DEVIATION IS 11.51

NWC TP 5039

Part 2

ASRIC MOTOR IN CONTAINER CHANNEL 20  
TOP CENTER OUTSIDE CONTAINED SKIN

YEAR IS 1970. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX		
1	65	63	56	54	52	58	55	54	74	110	136	130	128	125	119	111	99	88	72	69	67	65	65	52	136.		
2	62	61	60	54	51	51	67	100	134	136	142	126	124	114	110	100	95	78	78	75	75	69	51	51	147		
3	73	71	70	65	64	61	64	72	101	92	103	94	116	120	122	120	122	107	79	75	73	62	63	61	61	122.	
4	64	63	68	56	56	52	52	73	107	127	129	142	140	13	126	113	105	74	73	71	71	69	52	52	52	142	
5	63	62	61	56	56	54	52	73	100	126	141	130	129	133	126	111	95	85	76	73	71	69	60	53	53	141.	
6	69	67	67	65	64	63	63	67	75	97	110	116	115	103	105	98	92	85	76	71	69	64	67	62	62	117	
7	63	63	62	62	61	59	57	55	63	80	109	126	131	126	121	116	101	92	74	68	62	51	51	46	46	121.	
8	62	61	60	61	58	57	35	35	66	95	117	137	135	126	125	116	105	91	70	56	53	51	51	36	36	135	
9	67	64	62	61	61	60	20	20	28	63	90	126	136	128	126	121	112	101	97	80	54	51	51	51	35	35	123.
10	59	52	49	47	47	45	25	25	22	71	106	124	138	138	127	130	122	115	102	97	83	60	63	60	60	130	
11	50	53	52	51	48	46	45	45	45	76	106	121	137	124	123	126	113	104	95	82	63	55	51	50	46	122.	
12	53	52	51	53	51	48	45	45	45	74	108	123	135	132	126	120	114	107	92	74	57	51	51	46	46	121.	
13	53	52	52	52	52	48	45	45	45	73	102	122	132	129	129	119	111	101	91	77	56	53	51	51	36	36	135
14	56	53	52	50	47	44	45	45	45	74	106	122	123	122	118	113	104	95	83	74	51	53	52	52	46	123.	
15	56	52	52	52	52	47	44	44	44	74	106	122	123	122	118	113	104	95	83	74	51	53	52	52	46	123.	
16	57	52	52	52	52	47	44	44	44	75	106	121	131	121	121	114	113	104	97	84	74	51	51	47	47	121.	
17	47	45	41	43	38	36	36	35	35	57	80	108	128	128	126	114	102	95	83	73	67	60	56	56	46	122.	
18	42	43	42	41	41	36	35	35	35	71	91	101	114	112	110	101	91	81	72	71	67	61	57	54	54	124.	
19	41	41	41	41	41	40	40	40	40	70	94	117	117	116	116	116	107	97	81	74	67	61	57	55	55	125.	
20	57	53	52	52	52	48	45	45	45	73	101	127	135	132	126	120	114	107	92	74	57	53	51	51	36	36	134.
21	57	55	55	53	51	52	52	50	50	80	98	106	104	104	104	94	83	76	66	62	51	51	51	51	36	36	134.
22	56	56	56	56	56	52	52	52	52	58	80	97	107	107	106	104	92	82	72	62	52	51	44	44	44	124.	
23	43	41	40	39	38	38	36	36	36	70	91	112	120	116	115	112	104	91	81	70	66	62	51	51	36	36	123.
24	50	47	45	45	43	41	40	40	40	67	78	94	117	116	115	114	103	95	85	71	66	62	57	57	46	46	122.
25	42	41	41	38	37	36	36	36	36	40	50	70	105	117	116	116	107	101	94	82	72	61	51	47	47	47	121.
26	44	47	47	42	42	42	42	42	42	47	52	70	105	103	102	101	94	82	74	63	54	43	43	43	43	43	121.
27	38	36	33	32	29	27	26	26	26	41	71	101	106	106	106	97	92	82	72	64	54	43	43	43	43	43	106.
28	31	31	29	26	25	25	25	25	25	50	65	102	113	123	122	116	104	92	82	72	64	51	41	37	37	123.	
29	34	33	31	29	27	28	28	27	27	34	45	65	107	121	113	101	104	98*	88*	78*	68*	58*	48*	38*	26	121.	

MEAN MINIMUM TEMPERATURE IS 23.6 STANDARD DEVIATION IS 16.72  
MEAN MAXIMUM TEMPERATURE IS 120.6 STANDARD DEVIATION IS 12.64

ASROC MOTOR IN CONTAINER CHANNEL 29

TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1970, MONTH IS 11

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	47	46	46	43	40	39	38	35	33	51	60	89	110	111	112	106	100	92	85	78	72	68	61	55	50	48
2	47	46	46	43	40	39	38	35	33	51	60	64	65	53	53	58	66	66	67	68	65	63	61	60	50	47
3	60	58	56	56	56	55	55	54	53	53	58	60	66	70	77	77	72	72	74	75	73	70	67	65	53	53
4	59	58	58	58	58	58	58	58	58	58	58	59	57	57	57	58	63	63	68	74	80	87	83	80	74	68
5	64	63	62	61	60	59	59	59	59	59	58	63	68	72	72	77	84	91	81	72	64	52	52	58	56	56
6	55	54	54	52	50	49	49	48	48	48	48	56	65	75	86	100	114	106	99	89	80	67	54	51	49	47
7	46	43	40	38	37	35	34	33	32	52	73	92	111	113	115	108	102	91	80	66	52	49	46	44	32	35
8	43	43	44	43	42	41	39	37	37	54	72	91	111	114	118	109	100	90	81	68	56	53	50	48	37	118
9	47	46	46	44	43	42	41	39	37	55	74	91	108	115	122	113	105	94	83	69	55	52	50	48	33	122
10	47	45	43	42	41	41	41	40	39	43	47	77	107	113	126	108	97	88	80	72	64	61	59	58	39	120
11	58	58	58	58	57	57	60	63	60	58	62	67	76	85	94	104	95	87	78	70	62	55	52	50	46	40
12	42	40	38	37	37	36	36	34	33	53	75	90	106	104	102	95	98	80	73	61	50	46	42	41	31	106
13	41	41	42	41	40	40	41	38	36	55	74	89	106	105	106	97	98	80	72	59	50	46	45	44	36	106
14	42	39	36	34	33	31	30	29	29	51	73	87	102	107	112	102	93	80	68	51	35	37	39	38	29	112
15	37	35	33	32	31	29	28	27	47	68	81	94	103	112	103	94	85	76	61	47	44	42	40	37	42	112
16	36	34	33	32	31	30	30	31	31	50	64	84	104	108	112	103	94	86	79	63	48	46	44	41	30	112
17	39	39	39	36	34	33	32	30	28	50	73	88	103	104	106	99	92	82	73	60	47	46	45	41	30	106
18	38	37	36	34	32	32	32	32	33	50	68	81	92	102	113	101	90	81	72	59	47	46	45	41	31	106
19	38	36	35	33	31	30	29	29	35	42	71	100	105	111	103	95	85	75	61	48	41	35	35	29	113	
20	36	35	33	31	30	29	28	27	37	48	72	98	100	104	100	97	85	74	55	36	38	31	30	27	104	
21	38	36	34	33	32	31	30	29	28	41	55	75	96	102	108	101	94	85	76	62	49	48	47	44	38	108
22	41	39	37	36	34	33	32	32	32	44	56	76	97	101	106	102	99	88	78	64	50	47	45	43	32	106
23	41	39	38	37	37	35	33	32	31	45	59	80	102	109	116	106	97	86	76	63	50	45	41	32	106	
24	58	54	51	55	60	61	62	64	67	70	82	95	92	89	85	81	74	68	64	61	60	58	51	49	32	113
25	56	55	54	53	52	51	50	49	56	63	70	78	82	87	81	76	68	60	58	51	48	46	45	44	39	111
26	45	42	40	38	36	34	32	30	28	43	59	74	91	90	91	86	81	71	62	53	44	44	41	41	28	91
27	38	39	40	39	38	38	37	37	41	45	54	64	76	89	88	80	73	61	51	49	47	45	44	32	89	
28	44	43	43	43	44	44	44	44	44	46	49	52	51	51	51	51	49	48	45	43	41	39	39	39	52	
29	40	39	39	40	41	40	39	40	41	48	56	65	74	77	80	77	74	66	59	53	47	46	45	45	30	80

MEAN MINIMUM TEMPERATURE IS 37.3 STANDARD DEVIATION IS 9.16  
MEAN MAXIMUM TEMPERATURE IS 102.5 STANDARD DEVIATION IS 16.58

NWC TP 5039  
Part 2

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permit fully legible reproduction

ASROC MOTOR IN CONTAINER CHANNEL 29  
TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1970. MONTH IS 12.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS  
FOLLOWED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	46	44	43	42	40	39	36	34	46	58	60	60	67	71	71	66	62	55	48	46	45	44	34	95	95	
2	42	43	44	44	45	45	44	43	51	60	60	67	67	60	57	55	49	43	42	42	41	41	41	77	77	
3	40	36	33	31	30	29	28	26	30	49	70	61	62	64	67	66	53	40	39	38	35	35	28	102	102	
4	32	31	31	30	30	29	28	26	29	29	34	30	45	42	91	91	91	85	75	65	52	41	39	38	29	92
5	32	32	32	32	32	32	32	32	32	30	29	29	27	50	50	50	47	93	93	92	72	57	43	37	27	106
6	34	33	32	32	32	32	32	32	32	32	29	29	29	35	41	53	55	79	93	92	72	57	43	40	37	93
7	35	34	33	33	32	32	32	32	32	32	33	34	32	31	34	38	68	69	95	92	87	82	77	59	46	31
8	40	38	36	34	33	32	31	30	30	37	45	70	68	100	104	96	88	78	69	62	56	55	54	54	30	104
9	55	54	54	54	54	53	52	52	52	52	52	52	45	79	85	83	81	73	66	57	48	47	46	41	41	85
10	37	36	34	32	31	30	29	28	28	40	52	71	61	93	96	81	74	68	54	40	37	35	32	28	96	
11	30	29	28	28	28	28	27	26	24	24	24	24	40	57	65	62	100	93	87	78	69	54	40	37	31	100
12	29	28	28	28	28	26	25	24	23	23	23	23	34	46	44	44	27	95	104	97	90	77	65	53	42	39
13	31	29	27	27	27	25	25	24	23	23	23	23	42	64	86	94	102	93	84	74	65	53	41	42	44	40
14	36	37	36	35	35	35	35	35	35	32	32	32	28	59	80	85	93	77	71	69	67	54	41	39	36	98
15	35	32	30	29	29	27	26	25	32	39	58	77	74	76	76	76	78	59	48	37	33	32	25	25	77	
16	31	31	30	30	29	29	29	29	30	41	52	64	76	67	59	64	69	61	53	50	48	47	46	43	29	
17	41	40	39	41	43	40	38	36	35	41	47	58	69	71	73	67	62	56	50	44	43	38	38	36	23	
18	35	35	35	33	33	31	29	25	25	36	48	53	59	65	72	65	53	53	48	44	41	40	39	39	73	
19	39	37	35	33	33	33	33	33	33	33	33	33	33	33	33	33	33	43	53	64	55	46	41	37	36	
20	37	36	36	33	31	29	26	24	25	24	24	24	30	37	51	64	75	86	77	69	58	47	44	41	42	36
21	41	41	40	40	39	39	38	38	38	37	37	40	42	40	42	40	60	57	54	46	39	38	37	36	36	
22	35	34	33	32	32	30	29	26	25	31	37	40	43	47	52	52	62	71	60	47	34	32	30	29	25	
23	29	29	26	24	25	27	29	32	33	43	53	71	90	86	83	67	52	46	40	39	39	36	36	24	90	
24	33	32	32	33	33	33	33	33	33	31	29	51	74	94	94	94	94	69	55	45	36	34	33	31	29	
25	29	27	25	24	24	23	23	22	22	24	26	50	74	86	91	85	74	63	47	32	30	28	26	22	98	
26	23	22	22	23	23	23	23	23	23	26	29	33	47	62	62	52	41	41	39	37	37	37	37	37	63	
27	38	37	37	37	38	37	36	36	37	38	39	43	48	60	60	58	63	63	60	58	54	53	53	51	72	
28	28	28	28	28	28	28	28	28	28	32	37	30	23	27	31	53	76	81	87	87	87	87	87	87	87	
29	28	27	27	27	27	27	27	27	27	24	24	24	28	33	54	70	87	87	87	87	87	87	87	87	87	
30	30	29	28	28	28	27	27	27	27	25	24	24	28	33	56	56	50	50	50	50	56	56	56	56	94	
31	33	32	31	31	31	30	29	28	28	27	27	27	28	55	55	52	52	52	52	52	52	52	52	52	52	

MEAN MINIMUM TEMPERATURE IS 78.2 STANDARD DEVIATION IS 5.17  
MEAN MAXIMUM TEMPERATURE IS 88.7 STANDARD DEVIATION IS 13.04

ASRC MOTOR IN CONTAINER CHANNEL 2a

TOP CENTER INSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 1.

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permit fully legible reproduction

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN.	MAX.
1	30	31	32	31	31	30	29	27	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	25	96
2	33	37	41	42	44	47	41	39	35	38	42	47	52	54	55	52	50	46	43	40	39	35	33	31	31	55
3	30	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	22	92
4	27	26	20	19	17	16	14	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	86
5	15	14	13	12	11	10	10	9	8	7	7	6	5	5	5	5	5	5	5	5	5	5	5	5	5	84
6	16	21	23	19	16	14	13	12	11	10	9	8	7	6	5	5	5	5	5	5	5	5	5	5	5	84
7	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	91
8	23	22	22	22	22	22	20	20	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	13
9	23	22	22	20	19	20	21	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	88
10	25	23	22	21	20	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	95
11	27	26	26	23	22	21	21	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	97
12	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	90
13	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	75
14	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	84
15	22	27	27	25	24	23	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	100
16	33	31	30	27	27	26	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	95
17	39	37	35	34	32	32	31	31	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	105
18	44	41	39	38	37	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	102
19	49	46	44	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	107
20	52	49	47	45	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	108
21	57	55	53	50	47	47	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	108
22	48	45	42	40	39	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	117
23	37	36	36	33	31	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	113
24	36	35	34	33	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	106
25	37	35	33	32	32	31	29	28	27	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	94
26	40	36	33	32	31	30	29	28	28	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	108
27	43	40	37	35	34	34	32	31	30	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	111
28	45	41	38	36	34	33	31	30	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	117
29	42	39	36	34	33	32	32	31	30	29	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	113
30	42	39	36	34	33	32	32	31	30	29	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	116
31	41	38	36	34	33	32	31	30	29	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	118

NWC TP 5039  
Part 2

MEAN MINIMUM TEMPERATURE IS 26.3 STANDARD DEVIATION IS 8.21  
MEAN MAXIMUM TEMPERATURE IS 99.3 STANDARD DEVIATION IS 14.91

NWC TP 5039

Part 2

ASPC MOTOR IN CONTAINER CHANNEL 20  
TDO CENTER OUTSIDE CONTAINER SKIN  
YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SHIFTING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS

DESIGNATED AT TOP OF COLUMNS. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX					
1	46	42	40	39	38	36	39	38	38	36	34	37	41	60	60	60	60	60	60	60	60	60	60	60	51	34	112				
2	48	44	40	39	38	36	34	31	29	28	24	24	28	40	63	70	65	105	112	60	60	70	55	51	23	112					
3	48	47	47	46	45	42	40	37	34	34	34	34	42	50	72	45	103	111	103	95	93	70	57	44	42	36	111				
4	40	36	32	31	31	30	29	27	25	25	24	24	20	20	24	63	63	102	111	104	106	107	78	61	44	41	24	111			
5	48	35	32	32	31	29	28	27	26	26	24	24	21	21	27	62	62	101	104	105	99	99	77	61	44	41	26	109			
6	41	30	28	28	28	27	27	26	26	26	26	26	26	26	27	64	64	104	114	106	106	106	92	68	44	40	27	113			
7	47	43	40	38	36	33	31	29	26	26	26	26	26	26	27	52	74	101	106	111	107	103	43	44	42	42	27	111			
8	38	37	37	36	37	36	35	32	30	29	28	28	28	28	28	55	74	104	103	113	111	109	60	60	55	51	24	113			
9	40	30	29	28	28	28	28	28	28	28	27	25	24	24	24	57	76	109	112	112	115	115	99	70	52	47	24	123			
10	42	30	30	30	30	30	30	30	30	30	28	28	28	28	28	60	60	106	107	114	116	117	99	61	74	57	53	24	114		
11	40	47	44	44	44	44	44	44	44	44	44	44	44	44	44	41	64	108	112	112	116	116	109	99	91	73	58	33	116		
12	52	60	60	60	60	60	60	60	60	60	60	60	60	60	60	39	37	41	41	41	41	41	41	41	41	41	40	37	128		
13	47	44	42	40	39	38	37	36	35	34	34	34	34	34	34	50	50	52	52	52	52	52	52	52	52	52	52	51	34	126	
14	48	45	43	41	40	39	38	36	35	35	35	35	35	35	35	52	52	52	52	52	52	52	52	52	52	52	52	51	37	126	
15	50	47	47	46	46	46	46	46	46	46	46	46	46	46	46	42	42	42	42	42	42	42	42	42	42	42	42	43	74	114	
16	46	42	41	41	41	41	41	41	41	41	41	41	41	41	41	36	36	36	36	36	36	36	36	36	36	36	36	36	32	RO	
17	44	43	41	37	34	32	32	32	32	32	32	32	32	32	32	37	42	47	52	52	52	52	52	47	46	46	46	46	32	112	
18	38	35	35	37	40	41	41	41	41	41	41	41	41	41	41	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	112
19	46	30	38	34	34	33	32	32	32	32	32	32	32	32	32	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	112
20	46	30	36	35	35	35	35	35	35	35	35	35	35	35	35	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	112
21	46	41	43	37	37	32	32	32	32	32	32	32	32	32	32	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	112
22	46	45	44	40	36	32	30	30	30	30	30	30	30	30	30	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	112
23	46	44	44	44	44	44	44	44	44	44	44	44	44	44	44	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	112
24	40	39	39	37	37	34	34	34	33	32	32	32	32	32	32	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	110
25	42	44	46	46	46	46	46	46	46	46	46	46	46	46	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	115
26	34	32	31	27	26	24	24	24	22	19	19	19	18	17	17	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29
27	25	24	23	22	21	19	18	17	17	17	17	17	17	17	17	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	19
28	35	35	36	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	106

MEAN MINIMUM TEMPERATURE IS 30.3  
MEAN MAXIMUM TEMPERATURE IS 107.5  
STANDARD DEVIATION IS 5.79  
STANDARD DEVIATION IS 15.05

AIRCRAFT MOTOR IN CONTAINER CHANNEL 29

TOP CENTER OUTSIDE CONTAINER SKIN

YEAR TS TEST MONTH TS 3.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	40	38	36	35	34	35	32	30	106	131	137	134	133	124	113	104	95	82	65	65	66	61	59	30	137		
2	52	54	50	48	47	45	45	44	71	104	126	138	137	139	123	116	108	97	83	69	63	60	57	59	44	139	
3	47	44	42	41	40	39	39	38	60	99	126	136	138	134	121	113	101	97	80	64	64	61	56	55	38	136	
4	44	41	40	40	38	37	35	34	66	95	117	132	135	126	116	105	91	77	59	56	53	51	50	34	135		
5	63	63	62	61	58	57	55	53	80	104	126	131	116	101	92	84	76	68	58	51	50	46	44	44	131		
6	69	67	67	65	64	63	67	67	97	110	116	113	108	105	99	92	85	76	71	69	69	67	63	63	116		
7	63	62	61	56	56	54	53	53	73	109	126	141	139	139	133	126	111	96	85	76	73	71	70	69	53	141	
8	64	62	58	56	56	53	52	53	73	107	127	139	142	140	138	126	113	103	98	74	72	71	70	64	52	142	
9	73	71	70	65	64	61	61	64	72	101	92	103	84	116	120	122	90	87	79	75	73	62	63	64	60	122	
10	64	62	61	60	59	51	51	51	67	110	134	136	142	129	128	114	110	106	96	78	75	75	74	51	51	142	
11	65	63	54	54	52	54	54	54	74	110	110	110	110	136	130	128	125	119	111	98	88	72	69	67	66	55	136
12	61	57	58	55	56	54	51	52	66	103	132	141	148	147	136	126	114	107	96	75	74	70	67	64	51	148	
13	57	54	52	52	52	52	48	48	61	111	134	139	132	128	150	135	124	116	99	80	76	69	65	63	48	150	
14	56	52	51	51	47	47	46	49	66	113	133	147	135	139	128	120	107	94	88	73	68	62	64	61	46	147	
15	53	50	50	50	48	45	44	43	63	113	134	144	136	135	132	120	109	100	90	71	64	62	58	60	43	144	
16	46	44	42	42	41	41	41	43	60	112	135	128	140	125	124	115	107	94	88	61	58	57	56	41	41	140	
17	59	42	61	61	56	54	50	55	50	68	115	116	113	117	116	116	104	95	89	81	61	57	54	49	117		
18	63	57	55	54	52	51	49	51	64	114	138	141	151	144	130	121	108	98	76	72	67	66	62	49	151		
19	53	51	50	46	45	44	51	51	63	113	134	145	146	139	134	125	116	103	91	78	75	73	71	64	44	140	
20	59	57	56	54	50	53	49	54	67	117	130	121	126	125	119	121	113	100	91	69	63	59	56	45	45	130	
21	60	56	54	54	52	50	47	52	66	113	133	141	143	144	133	123	111	96	85	73	67	63	59	53	47	144	
22	67	68	68	66	64	61	61	61	70	109	124	141	137	145	139	127	115	100	87	73	69	67	65	64	60	145	
23	70	69	68	65	63	62	60	61	75	107	118	123	128	129	123	116	104	97	86	76	73	72	66	60	129		
24	61	58	56	55	52	51	49	55	70	119	130	150	150	143	136	130	119	108	95	80	74	75	73	71	69	150	
25	59	55	57	51	51	48	51	55	68	116	130	140	157	153	149	134	129	115	100	78	73	70	66	64	48	157	
26	56	53	53	52	52	50	47	51	57	68	117	141	143	146	142	139	132	119	110	99	76	68	64	61	47	146	
27	55	52	52	51	47	45	45	51	65	115	137	148	150	140	139	124	119	107	94	74	68	62	60	59	45	150	
28	63	60	59	53	51	47	45	52	64	114	131	141	147	143	139	128	116	104	92	73	68	66	62	60	45	147	
29	73	72	70	65	65	61	65	75	100	112	108	123	120	117	111	102	95	86	74	69	67	65	65	61	61	123	
30	75	77	73	72	74	70	62	71	82	115	124	129	126	124	121	115	98	95	81	78	76	73	73	62	62	129	
31	75	77	74	71	70	65	62	73	81	133	151	115	129	114	107	97	87	75	57	48	45	42	40	40	40	151	

MEAN MINIMUM TEMPERATURE IS 48.5  
MEAN MAXIMUM TEMPERATURE IS 139.5  
STANDARD DEVIATION IS .8.00  
STANDARD DEVIATION IS 10.52

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 29

TOP CENTER OUTSIDE CONTAINER SKIN

SEPTEMBER 1947 IS MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	34	34	32	30	29	28	32	50	93	126	128	126	127	132	121	114	98	85	62	50	46	43	40	38	28	132	
2	35	34	31	31	28	32	51	103	126	139	146	146	146	127	114	109	98	92	66	61	56	53	49	49	28	146	
3	45	46	39	39	37	55	79	121	134	141	131	131	124	112	101	93	83	62	55	54	52	48	47	45	40	139	
4	44	43	43	41	40	47	62	82	121	132	137	136	132	130	113	103	84	66	57	52	50	47	45	40	37	141	
5	45	41	40	37	36	34	62	82	121	138	150	146	117	136	129	117	101	88	66	62	56	52	50	47	34	150	
6	45	43	40	41	40	38	62	84	115	140	150	135	135	139	110	92	80	80	71	68	65	63	61	56	51	38	150
7	44	49	46	47	46	46	58	73	92	116	129	134	128	118	102	91	73	58	55	52	51	50	48	46	46	138	
8	44	41	39	37	35	34	50	83	115	129	141	144	137	140	124	109	103	86	65	60	58	54	49	46	34	144	
9	44	44	40	40	39	37	63	87	112	124	130	134	141	131	129	103	92	80	66	62	59	58	50	37	141		
10	57	55	56	55	54	53	64	80	109	113	113	116	113	112	103	95	86	77	65	62	60	59	57	51	51	116	
11	53	52	47	47	41	40	38	64	89	110	131	137	136	134	135	125	103	94	82	70	66	63	61	55	51	38	145
12	43	44	43	41	41	40	61	61	96	123	128	139	145	146	143	135	106	90	73	69	64	57	51	50	40	145	
13	50	47	45	43	41	41	61	61	96	110	137	138	125	95	86	103	84	79	75	62	61	58	60	50	40	138	
14	56	55	56	55	54	53	50	78	71	82	118	89	79	78	73	68	58	53	54	53	51	52	50	50	118		
15	45	45	43	44	45	45	61	61	95	121	129	134	143	145	143	129	114	104	90	71	67	67	57	53	41	145	
16	53	49	51	48	43	43	63	65	114	124	120	145	141	141	126	102	93	82	69	62	61	60	58	56	43	145	
17	52	50	48	48	44	44	53	72	86	91	87	96	96	90	80	78	69	54	50	49	44	41	39	39	39	96	
18	39	38	36	37	37	35	51	81	109	116	131	92	141	83	98	98	80	66	52	48	46	46	44	43	36	141	
19	40	40	41	42	40	41	61	76	112	116	133	138	115	115	113	101	86	73	59	55	51	50	48	45	38	138	
20	43	41	43	40	40	42	69	64	95	82	98	102	95	91	93	72	65	59	52	51	51	51	48	47	40	102	
21	46	44	45	43	36	39	51	71	82	85	82	86	77	78	94	83	67	49	45	43	41	42	39	36	94		
22	39	38	39	38	35	32	59	89	107	121	139	135	130	118	113	107	92	73	60	56	52	49	48	45	32	139	
23	47	47	47	45	36	35	59	97	132	137	137	129	111	98	86	74	60	55	55	53	52	51	35	37	31	111	
24	53	53	51	50	48	47	56	72	84	101	111	105	101	89	95	74	63	52	48	45	43	41	41	41	111		
25	40	40	39	37	36	36	51	77	89	112	126	126	127	97	94	73	63	52	48	47	44	41	36	36	126		
26	42	42	43	45	39	35	54	85	109	123	128	125	121	121	110	103	91	81	61	55	52	48	43	40	34	126	
27	40	37	37	36	34	34	63	69	121	136	136	130	140	123	105	102	85	69	60	55	51	52	51	34	140		
28	51	49	46	43	40	40	71	99	120	140	140	143	126	129	93	104	101	88	70	61	59	57	55	40	145		
29	50	45	43	41	40	40	69	101	124	138	145	145	145	137	120	121	109	96	77	68	61	57	55	40	145		
30	51	48	46	44	43	44	73	107	129	136	142	147	151	149	129	128	112	101	90	75	66	65	64	63	43	151	

MEAN MINIMUM TEMPERATURE IS 38.3 STANDARD DEVIATION IS 5.22  
MEAN MAXIMUM TEMPERATURE IS 134.1 STANDARD DEVIATION IS 15.87

ASROC MOTOR IN CONTAINER CHANNEL 29  
TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 5.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	59	54	52	50	47	45	47	79	100	141	134	140	148	145	139	125	112	97	85	72	67	62	55	60	45	148
2	56	54	52	50	46	46	50	75	88	97	113	116	107	136	106	112	100	97	77	63	57	54	53	53	46	136
3	51	50	48	45	40	45	46	67	82	94	113	122	127	118	116	104	95	78	62	56	53	53	52	50	40	127
4	53	52	52	48	46	46	46	68	101	125	125	130	146	138	134	128	107	93	82	66	56	54	56	46	46	146
5	48	48	44	45	42	40	44	54	104	118	148	143	149	139	129	122	106	89	71	65	59	58	56	55	40	149
6	56	52	48	45	51	51	52	57	61	57	62	59	64	102	92	65	61	65	60	55	53	51	51	50	48	102
7	49	48	49	47	46	47	48	52	72	118	132	132	141	96	113	74	58	74	75	61	56	56	52	46	46	141
8	46	43	41	40	38	38	41	74	98	115	131	137	136	132	126	111	90	81	68	58	56	55	52	38	137	
9	49	46	46	41	41	41	43	90	103	123	123	145	147	140	126	130	94	88	79	70	65	61	58	41	148	
10	58	60	59	56	54	58	60	76	110	136	147	150	91	128	116	111	**	78	73	70	63	60	58	56	56	150
11	54	55	54	51	49	48	51	88	115	134	137	152	154	101	152	125	92	79	71	75	71	69	68	67	48	154
12	68	66	62	61	58	57	56	91	98	135	146	160	157	156	147	147	128	112	100	84	74	70	70	66	56	160
13	64	65	64	61	61	56	60	70	110	121	129	131	132	132	125	121	103	88	77	72	70	66	65	56	132	
14	63	62	58	53	51	51	52	89	117	138	145	152	152	137	131	116	102	86	76	73	67	63	51	51	152	
15	62	60	56	56	55	55	55	89	114	136	145	152	150	159	150	145	131	113	100	87	76	73	72	73	52	159
16	72	71	69	71	69	67	69	84	104	144	150	157	157	129	113	101	88	78	68	65	62	61	61	61	157	
17	58	57	52	51	50	51	50	52	73	99	120	137	141	132	135	134	117	98	87	76	63	55	51	48	141	
18	50	49	45	45	43	42	41	61	103	123	133	139	147	134	130	129	105	96	87	76	63	55	51	48	147	
19	52	50	50	48	44	42	43	63	106	125	140	147	153	153	130	119	126	113	105	87	73	69	66	64	62	153
20	61	58	57	51	55	50	48	66	102	127	146	154	148	148	129	116	108	98	88	79	70	67	66	63	48	154
21	62	59	58	59	53	50	48	53	70	74	82	81	97	99	96	91	85	81	67	56	52	50	48	49	49	155
22	46	47	46	45	44	45	45	59	96	124	123	140	145	142	138	123	108	98	83	71	70	68	62	44	45	145
23	56	54	51	50	48	47	50	64	107	129	139	154	144	147	143	144	134	118	107	91	73	70	67	67	47	154
24	60	58	56	55	52	51	51	69	111	129	142	147	149	156	144	141	130	124	108	93	80	74	73	69	51	156
25	67	66	62	59	56	53	54	71	110	132	146	150	157	157	148	145	133	113	102	90	78	74	72	69	53	157
26	65	63	61	61	59	56	56	70	100	102	118	127	135	124	123	122	105	98	78	73	65	60	57	54	53	155
27	51	50	48	46	45	45	45	57	72	71	108	112	126	97	98	76	92	94	75	65	52	49	48	47	45	126
28	46	47	48	48	45	44	46	52	67	112	130	141	140	147	113	98	116	82	97	82	62	56	55	52	44	147
29	51	50	48	45	46	42	43	61	102	123	114	129	145	137	129	120	110	96	84	75	63	60	57	55	42	145
30	51	51	49	46	45	44	44	69	95	116	133	140	142	123	113	101	92	81	73	62	61	59	56	44	142	
31	56	54	53	53	52	51	51	56	82	81	99	81	125	110	102	98	86	76	66	56	54	53	52	51	51	125

MEAN MINIMUM TEMPERATURE IS 47.4 STANDARD DEVIATION IS 5.49  
MEAN MAXIMUM TEMPERATURE IS 142.7 STANDARD DEVIATION IS 14.83

NWC TP 5039  
Part 2

YEAR IS 1971. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN.	MAX.
1	51	47	42	41	36	36	55	100	120	130	138	136	142	133	126	121	108	93	81	66	58	57	55	36	142	
2	55	53	50	49	45	43	89	95	104	136	110	131	118	114	116	94	74	62	57	53	53	53	43	136		
3	51	49	48	46	42	40	98	119	133	139	150	154	144	145	113	115	92	84	71	67	64	61	41	154		
4	56	55	54	53	52	54	53	63	96	95	136	138	150	143	131	119	111	100	85	74	69	65	67	52	150	
5	61	61	59	58	56	51	51	68	108	130	143	142	144	152	151	149	131	123	111	98	78	73	71	68	51	152
6	61	61	57	56	54	51	53	71	108	119	149	107	129	136	156	143	140	126	114	97	79	76	72	70	51	156
7	68	63	58	55	54	51	53	73	110	131	150	157	151	155	141	138	123	113	98	83	78	76	74	71	51	157
8	72	70	68	63	61	58	58	77	109	129	150	157	164	161	151	144	131	121	106	87	82	76	73	58	164	
9	71	65	61	58	58	58	58	59	77	96	113	128	138	153	150	149	149	131	112	98	98	74	69	61	58	153
10	60	57	54	55	52	51	52	68	91	112	122	138	141	145	138	133	126	112	98	86	71	67	65	60	51	145
11	57	56	54	52	51	50	51	69	105	129	139	148	152	150	158	152	148	114	101	83	78	75	74	70	56	152
12	73	68	65	60	57	56	57	75	112	135	139	156	156	154	150	144	131	123	110	95	85	80	77	76	56	148
13	75	73	72	70	67	66	78	105	126	143	150	160	161	158	147	134	121	107	97	83	77	74	70	66	61	161
14	67	66	64	61	59	56	56	74	113	137	151	156	158	158	145	143	134	120	107	89	85	82	78	74	56	158
15	75	70	67	63	62	61	72	112	140	155	167	170	163	156	150	142	124	109	94	88	84	80	60	60	170	
16	78	72	69	61	51	50	51	69	105	129	139	148	152	150	158	152	148	114	101	83	78	75	74	70	61	163
17	73	74	73	69	66	62	60	80	113	134	154	157	166	165	151	147	134	120	111	100	87	81	77	73	62	166
18	70	66	71	68	63	65	61	76	117	138	150	160	161	166	162	152	132	122	111	101	86	81	78	74	61	166
19	78	75	73	72	68	65	63	77	124	142	168	169	168	169	148	134	124	119	110	108	98	85	79	74	63	169
20	72	70	66	62	59	57	58	73	118	137	152	162	159	159	156	142	136	121	110	90	81	77	71	57	62	162
21	74	70	68	57	63	61	61	77	118	137	151	160	169	166	143	141	127	116	104	89	82	80	75	61	59	159
22	77	72	67	67	60	74	60	75	116	143	153	165	169	164	163	152	145	132	118	106	91	85	78	80	60	169
23	75	73	73	69	68	65	62	75	116	139	146	154	160	159	157	147	137	122	113	102	88	82	81	77	62	160
24	75	73	70	66	65	63	61	73	108	133	150	161	153	146	143	137	128	119	110	101	87	82	80	74	61	161
25	74	77	75	73	73	72	80	107	124	136	137	143	139	130	134	127	116	106	98	85	81	78	74	72	61	143
26	76	75	73	72	70	70	78	102	115	128	133	134	135	127	119	109	100	92	81	78	75	73	70	66	135	
27	73	72	71	70	70	75	94	108	119	130	136	132	129	123	112	103	97	86	76	73	71	70	67	70	136	
28	69	68	67	66	65	63	71	97	130	135	142	161	152	145	123	113	106	96	85	75	72	70	69	63	161	
29	67	60	61	57	55	52	62	105	126	139	148	149	152	152	141	126	116	106	85	78	75	71	67	52	152	
30	66	66	61	57	57	54	55	65	110	134	150	155	165	157	157	155	138	131	121	107	88	81	78	74	54	165

MEAN MINIMUM TEMPERATURE IS 57.0 STANDARD DEVIATION IS A.30  
MEAN MAXIMUM TEMPERATURE IS 156.2 STANDARD DEVIATION IS 10.27

AEROC MOTOR IN CONTAINER CHANNEL 2a  
TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	73	70	69	63	61	58	58	68	125	137	153	164	169	160	157	147	140	130	118	103	98	83	80	76	58	169	
2	74	71	67	65	61	60	59	72	110	125	138	150	159	164	152	147	133	121	107	96	85	81	78	77	59	164	
3	75	73	73	65	63	67	61	73	104	122	137	150	155	159	158	153	129	127	111	100	87	82	80	76	61	159	
4	74	72	71	63	61	60	59	70	106	126	148	157	166	162	163	152	134	123	110	100	98	82	80	79	59	166	
5	77	76	72	63	60	60	60	69	111	127	145	157	155	167	167	153	141	113	114	101	97	81	79	76	60	167	
6	76	74	73	69	62	59	69	109	130	143	152	165	163	152	165	163	142	112	102	88	83	81	78	74	59	165	
7	77	76	74	66	64	59	59	70	107	126	141	150	156	160	157	141	134	122	110	99	86	80	78	76	59	169	
8	75	73	71	60	58	52	60	70	109	126	143	156	162	159	162	146	135	121	110	99	95	82	78	73	60	162	
9	72	70	63	64	61	57	57	67	61	136	142	152	158	161	161	161	158	145	127	114	101	96	82	79	77	57	161
10	75	73	72	73	69	70	70	74	110	127	145	150	157	160	158	148	136	121	110	101	94	77	72	69	60	160	
11	76	69	66	62	59	57	60	69	112	135	148	158	160	163	156	149	142	131	118	108	91	95	77	72	57	159	
12	77	74	69	67	63	61	71	119	137	154	167	160	151	148	143	136	127	118	106	94	91	87	81	74	61	167	
13	77	74	72	71	70	68	77	120	140	155	167	171	167	160	154	141	135	124	110	98	91	85	82	78	68	71	171
14	81	78	74	73	72	69	68	76	124	144	154	166	172	174	165	152	148	136	112	103	99	92	89	85	82	68	174
15	84	82	80	79	79	72	80	80	qN	129	152	157	165	123	117	107	132	110	110	108	91	85	82	82	72	165	
16	-	79	80	79	75	73	70	81	113	138	155	163	167	157	155	156	150	134	124	110	95	91	89	85	82	70	167
17	-	85	82	81	79	80	69	75	78	76	98	113	107	90	93	101	109	135	102	97	102	95	78	78	76	69	135
18	74	74	73	71	71	69	78	119	153	161	168	163	165	160	143	133	121	106	94	88	85	84	82	78	69	168	
19	82	81	79	77	73	71	80	112	119	126	163	144	171	126	116	144	126	126	109	96	91	87	85	82	71	71	171
20	85	83	82	76	74	71	73	83	171	143	154	165	167	169	164	153	145	130	116	107	97	93	92	90	71	169	
21	91	90	89	86	83	82	82	86	104	114	107	134	117	161	131	151	150	117	97	94	88	87	84	83	82	82	161
22	81	79	78	76	73	73	74	82	120	139	150	161	163	169	171	159	131	127	118	109	96	91	88	87	82	73	171
23	84	83	81	77	75	73	73	82	138	155	163	163	160	162	146	148	137	123	108	96	90	88	85	82	73	73	169
24	82	81	76	76	71	69	67	78	117	136	152	161	170	167	157	152	140	131	119	106	92	87	85	83	82	67	170
25	81	79	74	74	70	68	66	77	116	138	157	165	166	164	154	143	140	131	114	107	94	89	88	87	86	66	166
26	79	78	74	72	69	68	66	79	118	139	150	156	162	168	168	156	156	145	138	121	109	96	92	88	85	66	168
27	80	76	73	70	68	66	65	78	117	141	154	160	163	174	154	163	150	139	129	114	93	91	86	85	82	65	174
28	81	77	75	73	71	69	68	80	116	143	157	165	168	171	169	151	143	132	123	113	99	93	92	88	86	68	171
29	86	80	82	77	75	72	71	85	120	144	151	159	170	168	160	146	138	124	112	99	95	92	91	89	71	170	
30	87	82	79	76	74	73	71	83	118	136	153	165	160	165	160	150	133	119	104	96	93	90	86	71	71	165	
31	82	80	78	74	73	71	85	118	136	152	158	164	163	143	147	149	141	128	112	98	94	90	89	87	71	164	

MEAN MINIMUM TEMPERATURE IS 66.1 STANDARD DEVIATION IS 6.10  
MEAN MAXIMUM TEMPERATURE IS 166.0 STANDARD DEVIATION IS 6.93

AEROC MOTOR IN CONTAINER CHANNEL 29

TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 8.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS REFERENCED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	96	H2	70	75	73	73	72	RA	120	142	154	166	172	169	158	126	117	113	108	100	95	93	92	72	172		
2	92	R2	85	92	81	74	96	121	144	150	159	164	166	167	159	150	134	113	101	94	92	88	86	78	167		
3	R1	78	75	75	72	71	R5	118	13A	153	150	163	161	160	149	137	126	116	105	95	90	86	85	71	163		
4	R2	R1	82	78	77	74	73	85	105	126	112	13A	138	160	175	154	149	129	127	108	100	95	93	92	73	175	
5	R2	R1	82	F3	90	74	82	115	125	132	143	156	152	157	160	157	142	141	108	102	94	89	86	84	75	160	
6	R2	R1	7C	74	74	71	87	113	130	152	154	145	155	165	150	145	126	121	104	93	89	85	82	71	165		
7	R2	H1	F1	77	72	71	74	84	114	132	149	155	161	166	156	156	139	126	115	104	91	87	82	80	71	164	
8	78	75	77	71	70	63	67	R3	113	134	149	164	160	162	166	166	156	148	132	123	110	96	91	89	87	67	166
9	87	83	82	80	70	74	72	71	87	116	140	150	163	165	160	157	140	149	139	135	95	93	88	85	82	71	165
10	R4	74	76	76	73	72	72	80	110	145	158	164	156	163	159	144	149	132	115	104	94	92	88	87	72	164	
11	R3	70	77	74	72	72	82	104	124	148	154	161	160	156	152	147	134	123	105	95	91	89	85	72	161		
12	92	73	76	73	72	70	83	111	133	148	163	160	163	163	154	148	134	119	107	95	92	88	87	70	163		
13	97	A5	84	R2	76	74	71	86	113	121	152	160	154	160	150	139	124	113	103	92	88	86	83	71	160		
14	R1	78	75	73	72	70	69	78	94	130	144	156	157	157	152	150	140	104	109	98	97	83	82	71	157		
15	76	72	72	75	74	73	71	R5	107	137	150	157	166	155	154	140	131	109	100	91	88	84	83	71	166		
16	74	75	73	72	70	68	R2	107	132	149	158	165	161	165	165	156	149	131	121	104	92	87	84	82	71	165	
17	A1	79	78	74	76	71	68	R3	110	133	151	160	166	167	160	150	137	124	113	102	88	84	81	80	68	167	
18	74	72	77	71	69	65	R4	108	131	141	150	157	163	158	153	137	126	113	101	89	86	83	79	65	163		
19	R2	77	72	70	70	71	73	77	106	149	163	146	158	163	163	146	125	114	101	90	88	85	82	70	168		
20	R6	75	71	69	71	67	66	82	98	121	142	144	148	151	153	143	123	110	97	91	81	74	70	66	161		
21	74	70	67	67	61	59	58	R4	102	122	140	141	156	150	160	151	134	118	102	92	82	78	75	53	160		
22	73	69	66	62	61	57	57	73	94	122	137	153	154	154	150	143	123	116	97	93	79	75	57	154			
23	70	67	63	61	59	59	58	72	101	119	146	147	132	139	134	125	111	104	90	88	83	82	82	142			
24	R1	78	77	77	75	74	73	85	83	113	119	121	104	89	131	139	97	81	90	83	79	77	73	139			
25	73	72	69	68	66	65	63	82	101	133	145	152	159	159	153	149	137	122	112	97	88	85	83	80	63	159	
26	77	74	72	71	69	67	66	77	88	131	147	160	157	159	158	147	136	129	118	101	94	85	82	80	69	160	
27	75	73	72	72	68	66	65	77	99	124	150	154	155	164	156	141	128	103	92	88	85	83	80	65	164		
28	R1	75	75	72	70	69	68	R4	131	111	115	120	125	129	153	143	128	112	93	97	85	82	82	80	68	155	
29	80	78	75	72	69	67	66	78	100	129	143	157	156	161	151	131	123	110	96	87	85	82	80	67	161		
30	78	75	68	65	61	59	58	72	86	114	132	145	146	142	137	131	119	104	88	79	75	71	69	59	146		
31	60	64	65	62	59	60	56	72	86	114	132	151	149	145	142	137	131	119	104	88	79	75	71	69	56	151	

MEAN MINIMUM TEMPERATURE IS 67.9 STANDARD DEVIATION IS 5.49  
 MEAN MAXIMUM TEMPERATURE IS 160.9 STANDARD DEVIATION IS 7.50

ASROC MOTOR IN CONTAINER CHANNEL 29

TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 9.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	66	66	65	61	58	57	55	71	80	125	139	149	156	158	154	136	126	115	103	86	80	77	73	68	55	158	
2	69	61	60	58	56	54	52	42	102	121	143	140	154	149	136	127	116	106	95	62	79	78	75	74	56	154	
3	72	71	69	62	59	58	57	47	105	133	145	151	150	152	142	139	127	113	101	81	73	70	68	66	57	152	
4	62	61	59	50	55	52	52	43	104	132	143	150	150	146	143	139	122	114	107	93	78	72	70	72	—	52	150
5	66	66	63	61	58	57	58	48	105	138	150	156	153	147	145	136	126	114	101	88	84	81	79	77	—	57	156
6	73	71	68	69	64	63	60	49	107	134	139	140	140	141	145	136	126	114	101	91	86	80	73	72	71	66	139
7	64	65	61	58	54	52	53	43	103	134	142	150	151	150	141	131	123	115	106	84	76	74	72	70	54	151	
8	65	66	59	58	56	58	56	45	99	121	150	151	156	154	150	145	131	120	107	89	84	82	82	80	55	154	
9	74	72	71	69	62	62	62	40	100	136	151	160	156	158	146	139	130	121	108	96	91	88	85	82	68	160	
10	79	77	75	74	72	72	71	78	109	143	154	161	163	158	150	144	138	128	118	108	98	95	92	90	82	71	163
11	81	80	77	73	71	71	71	70	89	109	143	152	154	164	150	144	138	128	118	108	98	95	93	90	82	71	163
12	81	78	78	72	72	70	68	91	111	140	140	154	159	157	150	144	138	128	118	107	96	94	90	89	80	72	164
13	79	78	75	73	73	72	74	95	97	104	136	173	121	164	157	153	138	122	110	98	93	91	89	89	82	72	173
14	85	87	82	82	81	76	72	81	113	141	154	157	162	161	157	148	139	127	116	94	92	87	87	86	82	72	162
15	87	86	84	81	81	80	79	81	107	133	151	151	161	159	150	150	142	130	120	101	95	93	88	87	87	79	161
16	83	85	85	82	80	75	72	81	91	134	150	154	158	154	156	149	132	116	107	96	96	90	89	80	72	158	
17	87	84	83	85	78	78	74	81	96	126	135	137	135	131	121	113	104	94	80	73	70	68	60	50	68	159	
18	57	55	54	53	51	51	51	57	71	107	113	123	122	126	124	116	105	95	85	72	61	52	56	54	—	51	126
19	49	49	44	43	43	40	49	60	114	134	140	142	145	143	134	116	106	95	71	66	66	63	60	—	40	145	
20	56	52	50	49	45	52	56	66	111	134	142	143	139	142	122	111	100	90	78	74	72	68	62	—	45	143	
21	58	57	56	54	54	55	57	54	73	112	127	131	137	132	131	123	113	101	88	71	67	62	60	57	54	142	
22	55	56	52	50	49	51	46	53	67	114	133	137	131	132	132	131	124	111	99	90	72	70	65	59	58	46	143
23	56	56	50	48	46	45	44	51	65	115	134	145	144	140	144	134	126	110	94	74	71	69	61	59	44	145	
24	56	55	51	49	48	46	44	51	67	113	134	144	137	127	130	121	109	99	88	75	70	66	62	59	46	144	
25	54	54	57	53	53	53	55	62	85	101	107	109	111	105	100	92	84	75	62	60	58	56	51	51	111		
26	50	46	44	43	41	41	43	57	96	112	123	109	109	103	97	90	80	72	62	60	59	58	57	—	41	123	
27	56	55	54	52	51	49	50	60	105	122	131	138	129	116	111	95	85	60	57	57	53	50	49	49	138		
28	48	47	42	41	39	38	41	56	102	120	130	128	123	119	113	100	89	78	65	61	58	55	53	38	130		
29	52	47	48	47	44	42	40	39	57	65	71	109	132	124	110	108	97	87	76	68	65	62	61	39	132		
30	62	60	58	56	56	55	55	60	79	84	92	95	95	86	78	75	67	56	51	50	47	41	—	41	95		

NWC TP 5039

Part 2

MEAN MINIMUM TEMPERATURE IS 55.4 STANDARD DEVIATION IS 11.66  
 MEAN MAXIMUM TEMPERATURE IS 145.6 STANDARD DEVIATION IS 16.83

ASROC MOTOR IN CONTAINER CHANFL 29  
TOP CENTER OUTSIDE CONTAINER SKIN

NWC TP 5039  
Part 2

YEAR IS 1971. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	41	40	38	36	34	31	34	53	95	119	129	126	132	123	113	98	86	75	55	51	48	45	44	31	132		
2	44	44	39	37	36	35	34	35	54	99	122	133	129	126	118	112	108	96	82	59	55	53	53	34	133		
3	48	44	44	41	40	37	38	38	59	104	122	129	124	125	119	108	98	91	81	65	59	56	52	37	129		
4	50	49	49	46	45	44	42	45	67	108	129	125	131	125	111	104	98	86	70	66	62	60	56	42	131		
5	53	53	52	51	51	52	51	52	47	46	45	69	107	131	132	131	127	124	114	108	98	87	73	66	56	45	
6	54	52	52	51	51	52	51	52	46	46	46	72	110	131	143	141	133	130	121	111	102	91	72	69	65	46	
7	59	55	53	54	50	49	48	46	72	108	130	141	142	144	130	123	112	101	90	74	68	67	63	65	46	144	
8	59	56	55	55	50	50	52	50	50	75	109	129	143	145	137	131	128	118	103	92	74	72	67	61	50	145	
9	62	58	57	53	56	51	51	50	76	107	131	143	146	141	137	123	116	107	92	76	73	68	69	62	50	146	
10	63	61	56	54	53	53	51	51	78	106	128	142	148	147	145	133	120	109	96	78	75	69	68	62	51	148	
11	61	61	55	54	52	52	51	51	81	102	118	140	150	150	142	143	133	121	108	93	76	72	69	70	69	51	150
12	68	66	59	56	57	56	55	56	57	82	108	127	142	143	148	144	121	116	***	***	71	68	68	67	56	148	
13	62	58	56	56	56	56	56	56	49	84	104	133	144	143	141	131	126	115	104	91	82	75	75	72	43	144	
14	70	67	71	71	70	72	71	67	89	99	113	117	117	117	109	110	101	94	82	73	74	72	70	68	67	117	
15	66	67	65	61	60	58	55	54	70	79	93	96	102	101	86	88	81	67	57	53	55	51	52	51	51	102	
16	47	44	43	41	40	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	91	
17	38	36	32	32	27	26	27	47	76	99	113	115	109	100	87	74	55	48	45	45	44	43	43	43	43	39	
18	42	40	38	34	31	30	27	59	75	103	111	114	115	111	100	85	80	61	56	42	42	39	37	27	115		
19	36	35	34	32	31	31	29	28	62	81	109	121	120	113	101	89	79	63	52	49	48	44	42	28	122		
20	41	38	36	35	34	34	33	32	66	87	107	125	127	121	108	90	80	73	65	61	50	48	46	32	127		
21	45	44	42	40	41	38	36	34	67	82	111	126	127	124	112	105	96	88	70	56	53	52	50	47	34		
22	43	41	42	38	35	36	34	33	66	84	114	128	126	125	106	98	88	68	58	56	51	51	46	33	128		
23	45	45	43	41	42	40	39	36	67	93	112	118	118	104	101	103	87	74	66	62	60	56	57	55	36	118	
24	55	55	52	51	51	47	48	49	47	50	75	90	97	101	97	96	84	79	57	53	47	46	47	47	46	10	
25	45	40	36	35	37	37	31	40	43	47	57	65	69	78	84	106	82	74	54	50	49	46	46	46	35	106	
26	43	44	44	42	36	35	34	31	60	78	106	121	121	124	118	109	93	80	63	57	55	55	51	51	51	124	
27	48	45	43	44	44	41	40	38	63	77	104	122	108	99	85	77	64	59	56	53	52	51	51	51	51	122	
28	51	50	47	46	43	43	42	41	42	47	46	50	45	59	75	79	69	56	41	38	36	35	34	33	33	79	
29	32	33	32	31	29	28	26	39	51	86	100	103	101	97	81	71	64	42	36	33	32	28	30	26	103		
30	25	24	22	21	19	19	18	17	42	58	93	108	108	107	98	91	77	69	46	40	38	34	34	35	17		
31	36	35	30	28	28	25	26	22	37	55	95	108	115	110	100	89	78	68	48	42	38	36	36	31	115		

MEAN MINIMUM TEMPERATURE IS 39.0 STANDARD DEVIATION IS 11.17  
MEAN MAXIMUM TEMPERATURE IS 124.0 STANDARD DEVIATION IS 18.00

ASROC MOTOR IN CONTAINER CHANNEL 29  
TOP CENTER OUTSIDE CONTAINER SKIN

YEAR IS 1971. MONTH IS 11.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	29	29	26	26	27	27	24	23	52	57	99	113	111	103	90	79	66	46	42	40	37	36	34	33	23	113	
2	31	29	28	26	25	24	26	67	82	102	113	112	103	98	89	80	71	51	47	44	42	38	35	36	24	113	
3	32	32	30	28	26	27	69	82	101	115	123	116	107	96	86	75	52	49	44	41	39	38	34	36	26	123	
4	33	32	32	30	29	29	28	72	83	106	114	107	121	103	95	84	73	56	51	47	45	47	45	44	28	121	
5	45	44	42	40	37	39	58	96	115	122	124	118	109	98	88	78	56	51	53	46	44	44	44	44	37	124	
6	39	39	38	39	37	36	74	84	111	110	111	107	100	92	83	71	53	48	45	43	43	39	40	36	36	111	
7	36	34	33	33	31	28	30	70	70	74	104	115	118	117	104	96	85	72	61	54	59	56	54	55	54	24	114
8	52	44	45	38	37	35	66	81	99	115	118	116	114	95	91	80	62	53	51	46	43	44	46	41	35	118	
9	38	39	36	36	33	33	33	70	69	74	106	97	115	96	92	76	61	53	51	46	45	43	40	39	33	115	
10	36	36	35	34	32	32	32	62	75	101	106	100	114	105	98	82	67	56	54	50	48	47	45	45	32	114	
11	45	45	48	46	45	47	45	51	70	74	85	105	87	85	78	72	70	66	65	60	61	60	55	56	45	105	
12	56	56	54	55	55	52	55	65	65	65	75	74	83	84	78	76	68	62	55	48	46	46	45	42	39	84	
13	32	32	30	29	29	27	27	60	68	92	109	107	101	97	77	59	59	52	49	49	47	45	43	33	27	109	
14	40	41	36	35	33	31	32	55	61	96	108	107	101	91	82	75	59	42	39	36	47	45	43	36	32	31	108
15	32	40	40	40	31	28	28	60	61	92	103	92	86	73	65	56	51	50	49	48	47	45	45	45	32	103	
16	45	45	45	45	42	42	42	53	56	96	104	104	101	96	85	80	77	55	44	41	40	39	37	32	32	104	
17	28	29	32	26	25	24	23	52	56	96	104	101	97	88	83	71	58	43	38	36	34	33	32	23	23	104	
18	33	29	28	26	26	27	31	32	36	48	54	74	72	67	63	56	54	45	37	40	42	41	40	38	35	26	74
19	32	28	29	26	26	27	25	54	57	90	94	98	86	78	71	64	53	46	40	39	35	33	33	34	25	94	
20	35	34	33	31	30	32	33	41	54	86	96	117	95	83	75	67	53	46	42	40	38	36	34	36	30	117	
21	35	33	33	31	29	29	27	36	51	71	69	76	77	79	68	64	57	49	46	40	36	35	32	32	27	79	
22	31	29	31	27	26	25	25	58	51	82	89	106	99	92	83	73	57	44	41	38	36	34	32	32	25	100	
23	31	30	27	26	25	25	24	50	50	93	106	107	101	97	81	75	59	56	53	40	40	35	34	33	24	107	
24	32	30	30	28	27	27	27	50	50	91	104	107	102	93	87	78	60	47	43	40	41	36	34	35	27	107	
25	33	32	30	30	31	28	26	48	51	95	102	109	100	93	82	73	58	46	42	41	40	39	35	34	26	109	
26	34	32	31	29	27	26	46	46	53	87	83	109	100	92	76	68	61	54	51	48	45	41	40	36	26	109	
27	38	35	34	32	33	32	33	32	51	60	77	94	93	86	78	70	59	46	44	42	43	40	37	37	32	95	
28	34	33	33	31	30	30	34	50	89	90	86	81	77	66	67	55	50	52	51	53	46	55	3C	90	32	95	
29	52	50	49	47	46	46	45	50	56	88	103	101	101	95	88	70	57	49	45	44	42	40	37	32	32	103	
30	32	31	32	30	32	33	41	49	48	60	77	95	95	97	71	55	46	43	42	40	36	34	36	30	98		

NWC TP 5039  
Part 2

MEAN MINIMUM TEMPERATURE IS 29.4 STANDARD DEVIATION IS 4.85  
MEAN MAXIMUM TEMPERATURE IS 105.6 STANDARD DEVIATION IS 12.39

NWC TP 5039  
Part 2

AIR MOTOR IN CONTAINER CHANNEL 2A

AIR INSIDE CONTAINER

YEAR IS 1971. MONTH IS 1.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	34	33	33	33	34	33	32	30	29	29	30	49	68	77	87	88	90	82	75	59	43	42	42	39	29	90	
2	37	39	42	43	45	44	43	40	37	39	42	47	53	55	58	53	49	46	44	41	39	36	34	33	33	58	
3	32	30	29	29	29	29	28	29	28	29	30	42	54	64	84	74	65	60	56	44	33	30	27	27	27	84	
4	27	24	22	20	19	17	16	16	19	23	42	62	71	80	78	76	69	62	45	29	26	23	21	16	16	80	
5	19	17	16	15	14	13	12	11	15	13	12	20	38	56	69	82	77	73	69	66	48	30	28	26	24	11	82
6	23	24	25	22	19	18	17	15	14	18	23	42	61	67	74	75	77	75	73	52	31	28	26	23	14	77	
7	21	21	19	18	18	18	16	15	18	21	40	59	71	83	83	84	80	77	56	35	32	29	27	27	15	84	
8	24	25	24	26	28	25	22	21	21	23	26	46	67	80	94	75	56	51	47	40	33	30	28	27	21	94	
9	26	25	24	23	22	22	23	24	28	23	24	30	47	66	86	85	85	79	73	55	38	35	32	30	22	86	
10	23	27	27	25	23	22	22	22	22	26	30	41	53	71	89	87	86	80	75	57	47	40	36	33	31	22	89
11	30	28	28	26	24	23	23	22	21	23	26	47	69	80	92	94	86	76	56	47	45	43	43	41	21	92	
12	43	42	42	42	43	42	42	42	42	42	42	54	66	72	78	77	76	70	66	54	62	61	59	59	39	78	
13	38	38	38	37	37	36	35	35	36	39	42	50	59	65	72	72	72	68	65	55	45	44	44	43	35	72	
14	43	42	41	41	42	41	41	40	40	38	37	46	56	66	76	81	86	79	73	58	43	39	36	34	34	86	
15	32	31	30	28	27	26	25	24	23	27	25	31	48	66	81	97	97	89	82	75	68	55	42	39	23	97	
16	36	34	33	30	28	27	27	26	25	25	25	27	29	47	66	83	100	95	91	87	83	65	47	44	25	100	
17	42	40	38	36	35	34	33	33	31	30	32	34	56	79	86	94	94	91	100	94	88	70	52	49	30	100	
18	46	44	42	40	39	38	37	37	38	36	35	39	44	64	84	94	104	103	99	96	77	59	55	55	35	104	
19	51	49	47	45	44	43	43	41	40	39	39	43	47	65	83	88	94	94	99	99	99	99	99	99	39	110	
20	56	52	49	49	47	46	43	41	40	40	40	40	44	68	88	98	109	110	112	103	95	82	69	66	40	112	
21	50	57	55	52	49	49	50	48	46	46	46	46	46	68	91	97	103	98	94	85	76	65	54	52	46	103	
22	50	49	48	44	41	39	38	37	36	34	33	37	41	62	83	94	106	103	100	92	85	68	51	46	33	106	
23	42	41	40	37	34	34	32	30	28	27	31	36	58	81	91	101	99	92	86	68	50	45	45	35	101		
24	41	39	38	36	35	33	32	30	28	29	31	34	54	74	88	102	101	100	93	86	67	49	45	28	102		
25	41	38	36	35	34	32	31	30	29	27	26	32	39	60	82	93	104	103	102	98	95	73	52	48	26	104	
26	44	40	37	35	34	33	32	31	30	29	28	35	42	62	83	92	102	103	104	99	95	75	55	50	28	104	
27	44	43	40	38	37	37	37	35	34	32	31	38	45	65	85	96	108	110	112	104	99	76	56	51	31	112	
28	47	44	42	40	38	36	35	34	33	31	30	37	44	65	86	96	107	105	104	99	94	73	53	46	30	107	
29	45	44	42	40	38	36	35	34	33	31	30	37	45	65	85	97	109	107	106	101	96	75	55	51	30	109	
30	46	43	40	38	37	35	34	33	32	30	37	44	62	80	94	108	110	112	104	96	75	55	50	28	112		
31	45	43	41	38	36	35	34	32	31	30	37	45	65	86	91	96	106	117	93	63	54	51	30	30	112		

MEAN MINIMUM TEMPERATURE IS 28.0 STANDARD DEVIATION IS 8.01  
MEAN MAXIMUM TEMPERATURE IS 95.2 STANDARD DEVIATION IS 13.98

ACROIC MOTOR IN CONTAINER CHANNEL 2A  
AIR INSIDE CONTAINER

YEAR IS 1971. MONTH IS 2.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	49	46	43	42	41	40	39	39	40	38	36	37	38	63	48	94	101	107	113	105	97	79	61	55	36	113	
2	50	47	44	42	40	39	36	34	32	31	31	37	44	59	74	88	105	101	98	97	98	78	61	56	31	105	
3	52	50	49	48	48	46	44	40	37	37	37	42	47	66	86	96	106	103	100	87	74	61	49	45	37	106	
4	42	39	36	34	32	31	29	28	27	26	28	30	35	55	81	90	100	102	105	96	87	68	50	46	26	105	
5	42	39	36	35	34	32	30	29	29	29	31	34	56	79	91	104	101	98	92	87	70	53	40	29	104		
6	45	42	40	38	37	37	37	35	35	33	31	30	37	45	65	86	95	104	103	102	98	94	75	57	52	30	104
7	49	45	42	41	40	37	35	35	34	33	30	37	45	67	90	97	104	104	105	100	95	75	56	50	30	105	
8	45	42	40	38	36	34	34	31	30	28	27	47	65	83	93	104	106	109	105	101	97	79	57	50	28	109	
9	44	43	42	39	37	35	33	31	30	29	28	48	69	90	102	114	111	108	103	99	79	59	52	28	114		
10	47	43	40	38	36	35	34	32	31	30	30	40	50	68	87	95	104	105	107	103	100	81	63	57	30	107	
11	52	50	48	47	46	43	41	40	39	38	38	47	56	74	92	103	115	112	110	105	101	85	69	53	38	115	
12	52	53	50	48	47	45	42	42	41	40	42	41	40	48	56	76	96	108	121	112	104	86	68	54	40	121	
13	50	48	46	44	42	41	40	38	36	47	50	78	99	108	118	124	114	110	89	69	63	58	54	36	116		
14	50	48	46	44	43	42	42	40	39	48	57	66	76	97	118	115	113	107	102	85	68	63	58	57	39	118	
15	56	53	50	49	48	47	46	47	48	54	60	62	64	69	74	72	71	74	77	71	66	61	56	52	46	77	
16	48	46	44	41	39	38	37	35	34	34	38	43	53	73	77	81	80	80	72	65	58	51	49	48	34	81	
17	47	45	44	40	37	35	34	34	34	34	39	41	51	83	95	107	107	108	102	97	76	56	51	47	34	108	
18	42	40	38	40	42	39	36	35	35	45	55	75	94	102	109	108	101	95	77	60	55	50	48	35	109		
19	46	43	41	39	37	36	34	34	34	34	41	50	60	66	73	76	79	77	75	71	67	57	47	43	36	79	
20	42	40	39	36	35	34	34	34	34	34	38	43	57	72	87	85	84	83	80	78	68	53	47	42	34	87	
21	42	43	44	41	38	36	35	35	35	30	41	53	66	80	93	106	107	95	84	72	61	55	50	30	107		
22	49	47	46	42	39	35	32	32	32	45	54	77	96	105	115	112	109	95	82	68	54	51	48	48	32	115	
23	48	47	47	46	46	45	44	43	43	45	47	52	74	97	85	74	79	84	91	99	81	63	54	45	44	99	
24	43	42	41	40	39	37	35	34	34	45	56	72	89	110	111	113	105	98	81	65	57	50	48	34	113		
25	46	43	40	38	36	35	34	32	31	44	58	69	80	87	84	86	89	79	70	61	53	49	46	42	31	89	
26	39	36	34	30	27	26	24	23	23	24	24	26	29	35	48	66	85	97	109	106	103	92	82	66	51	44	38
27	29	27	26	24	23	21	19	18	18	18	18	21	20	29	44	80	96	93	91	80	59	57	46	42	39	23	109
28	38	37	36	35	34	33	34	34	34	35	42	50	61	72	73	74	74	76	77	81	67	57	48	45	42	33	81

MEAN MINIMUM TEMPERATURE IS 32.9  
MEAN MAXIMUM TEMPERATURE IS 103.4  
STANDARD DEVIATION IS 5.85  
STANDARD DEVIATION IS 12.63

NWC TP 5039  
Part 2

AIR INSIDE CONTAINER CHANNEL 2A

YEAR IS 1971. MONTH IS 3.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	40	39	38	37	36	35	33	31	95	119	128	127	130	125	118	114	105	88	70	69	68	63	61	31	130	
2	55	56	52	51	50	47	47	46	87	116	128	127	124	121	118	116	108	89	73	67	63	61	61	45	134	
3	50	47	45	44	42	41	41	40	87	115	127	130	130	122	118	110	107	85	69	68	64	60	58	40	130	
4	46	44	42	40	40	39	37	37	85	108	123	126	122	125	121	114	107	84	66	57	54	52	37	37	126	
5	65	64	62	61	60	58	58	58	66	76	101	119	125	115	102	96	92	85	74	61	56	53	50	47	47	
6	70	69	65	65	65	65	67	67	78	92	106	117	131	108	103	98	90	79	73	71	70	69	65	65	112	
7	66	64	63	59	58	58	56	55	76	98	116	131	133	134	136	131	117	103	88	78	75	73	72	70	55	
8	45	43	40	58	58	58	55	55	54	75	97	119	131	134	138	130	122	113	94	78	75	73	72	70	54	134
9	72	72	70	69	66	62	62	65	72	97	90	99	83	114	120	124	92	90	82	77	75	65	66	66	62	138
10	65	64	62	62	54	53	53	60	101	124	126	124	125	129	119	117	108	90	82	80	77	77	70	62	124	
11	47	66	56	57	55	50	56	57	75	101	**	128	126	124	126	124	120	108	93	77	73	70	69	68	55	
12	54	61	60	57	56	54	54	54	71	95	121	132	139	142	136	131	123	104	90	78	73	70	67	54	128	
13	40	57	55	55	55	54	54	54	60	72	99	123	129	128	127	147	139	132	119	107	93	79	73	69	50	
14	50	55	54	54	51	50	49	47	71	101	123	127	135	135	126	125	116	110	97	78	72	66	67	64	47	
15	52	52	51	47	46	45	46	69	100	122	134	129	130	132	125	118	111	98	76	69	66	62	62	65	135	
16	50	47	45	45	44	43	43	42	64	98	123	111	123	121	124	126	124	120	108	93	77	73	70	69	55	
17	62	65	63	59	60	57	51	71	103	108	106	111	113	116	109	105	101	90	67	61	58	52	51	51	116	
18	64	61	59	56	55	53	51	51	70	103	127	137	146	145	145	134	131	120	107	82	76	72	69	66	51	
19	54	52	49	48	47	46	49	67	101	123	136	138	135	128	123	112	96	82	77	75	73	71	66	50	145	
20	51	51	50	49	57	53	51	51	70	104	120	112	120	121	121	126	122	112	102	74	68	63	60	57	51	137
21	62	58	56	55	52	51	50	51	61	67	102	121	130	130	134	129	119	106	93	77	71	67	63	65	50	
22	60	59	60	58	55	52	52	51	61	71	98	117	131	130	137	131	124	110	93	77	72	69	68	66	42	
23	72	71	70	68	65	62	60	65	77	101	113	118	123	127	118	111	104	92	78	75	73	70	62	52	133	
24	64	61	61	60	58	55	54	52	55	70	108	127	141	143	134	133	126	116	101	84	78	75	73	52	52	
25	61	59	57	53	51	52	53	69	106	121	140	149	149	148	138	138	127	110	85	78	77	73	69	51	143	
26	59	56	54	54	52	50	51	56	66	105	128	134	138	138	136	138	137	129	122	110	82	73	69	64	50	
27	52	54	53	51	48	47	50	50	64	104	126	138	141	137	138	128	129	118	104	80	72	67	65	62	47	
28	65	61	61	56	53	50	48	51	65	103	122	132	139	137	138	133	127	115	102	78	72	69	66	63	48	
29	75	73	71	68	67	63	66	76	95	104	107	121	119	119	116	108	102	92	77	71	70	57	57	53	121	
30	72	78	75	74	75	71	65	70	83	109	119	125	126	124	121	102	101	84	80	78	75	74	66	66	126	
31	74	74	76	73	72	68	65	70	82	122	141	111	124	115	112	105	97	82	62	52	49	46	44	43	41	

MEAN MINIMUM TEMPERATURE IS 50.8 STANDARD DEVIATION IS 8.10  
MEAN MAXIMUM TEMPERATURE IS 133.5 STANDARD DEVIATION IS 8.88

AEROC MOTOR IN CONTAINER CHANNEL 2A  
 AIR INSIDE CONTAINER  
 YEAR IS 1971. MONTH IS 4.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS  
 DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX				
1	30	37	35	33	32	31	32	33	30	34	31	37	32	33	30	34	31	37	32	33	30	34	31	31	130				
2	30	37	35	33	32	31	32	33	30	34	31	37	32	33	30	34	31	37	32	33	30	34	31	31	137				
3	48	42	42	42	40	51	71	100	121	130	125	127	125	119	119	118	108	88	70	65	60	58	56	57	51	130			
4	47	46	46	46	43	47	58	74	110	121	122	132	134	134	134	134	123	116	100	72	62	57	54	51	48	134			
5	48	44	42	40	39	37	58	71	100	127	141	139	117	137	133	127	114	97	72	67	60	56	53	51	57	141			
6	49	46	44	44	43	40	48	74	106	120	142	130	134	113	93	82	81	73	70	67	65	62	58	53	51	142			
7	51	51	48	48	48	48	67	87	108	122	127	125	128	122	111	100	70	62	58	55	54	52	50	50	50	135			
8	46	44	42	40	39	37	54	72	104	118	131	135	136	140	130	119	116	97	71	64	61	58	52	50	50	50	135		
9	47	46	42	40	40	40	50	78	102	114	131	129	138	135	111	101	86	70	66	62	61	60	60	60	60	136			
10	58	56	58	56	55	55	64	75	92	102	109	114	113	114	108	101	93	82	60	65	61	59	54	54	54	136			
11	56	52	50	48	43	41	61	80	100	118	126	136	141	141	129	116	102	88	73	69	66	63	57	54	54	54	141		
12	51	47	45	44	42	41	45	85	111	126	136	138	141	136	132	128	116	98	78	72	68	61	58	54	54	54	141		
13	52	51	48	45	44	43	41	56	102	126	129	121	95	84	102	98	80	78	66	63	60	61	61	61	61	61	129		
14	52	56	57	56	56	55	54	51	75	71	70	82	116	90	77	78	73	60	59	55	55	54	52	53	51	51	116		
15	47	47	45	45	46	43	46	85	110	119	125	136	145	144	134	123	114	98	76	70	65	60	57	56	56	56	145		
16	55	51	50	46	45	45	61	76	103	114	121	130	137	143	120	104	101	88	73	67	63	62	60	58	58	58	143		
17	55	52	50	47	46	46	54	69	81	86	94	92	87	85	85	87	85	78	57	52	50	45	43	41	40	40	94		
18	49	40	39	38	37	35	51	73	90	110	125	93	134	83	90	104	89	73	56	51	49	46	45	45	45	37	134		
19	49	43	42	43	43	42	58	71	103	105	122	129	125	118	117	108	95	81	63	58	55	53	52	50	50	50	129		
20	46	44	45	45	42	43	40	40	87	79	96	99	95	80	95	73	69	61	55	53	52	50	49	47	47	47	99		
21	44	46	45	45	42	43	40	53	67	78	85	83	79	82	96	92	73	51	48	45	43	44	41	41	41	41	96		
22	41	40	39	37	33	54	78	97	112	129	127	125	119	124	116	101	97	77	64	59	56	51	51	51	51	51	129		
23	48	49	44	42	39	37	57	86	108	121	127	131	127	131	116	105	95	82	63	58	56	55	54	53	53	53	131		
24	54	52	51	49	48	54	70	82	97	105	103	102	92	88	82	69	61	55	50	50	47	45	43	43	43	43	105		
25	62	61	62	60	58	58	59	72	85	105	118	122	118	96	103	91	82	70	55	51	49	46	43	43	43	43	122		
26	44	45	46	45	39	40	37	36	52	77	98	111	119	118	117	122	118	101	90	67	58	55	51	47	44	44	36	122	
27	42	40	38	36	36	36	36	56	80	110	124	129	128	127	124	125	113	93	75	65	59	55	53	53	53	36	141		
28	53	51	49	45	42	42	42	62	89	110	128	134	137	122	131	123	111	97	73	61	60	57	56	42	42	42	137		
29	53	48	45	44	42	42	41	61	92	114	128	135	140	141	138	126	120	104	82	72	68	65	60	58	58	42	141		
30	55	51	49	47	45	45	45	65	98	119	125	131	139	145	145	131	133	122	113	99	80	71	69	67	66	65	65	65	145

MEAN MINIMUM TEMPERATURE IS 40.5 STANDARD DEVIATION IS 5.10  
 MEAN MAXIMUM TEMPERATURE IS 129.4 STANDARD DEVIATION IS 14.74

NWC TP 5039  
 Part 2

NWC TP 5039  
Part 2

AIR METER IN CONTAINER CHANNEL 2A  
AIR IN CONTAINER

YEAR IS 1971. MONTH IS 5.

EACH COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	
1	62	67	55	52	50	40	50	20	95	126	123	120	104	142	130	129	120	106	92	76	70	66	67	40	
2	52	56	55	52	49	45	51	69	85	95	108	112	104	133	107	116	106	99	94	68	60	57	56	49	
3	53	51	50	47	42	46	44	62	78	80	104	114	120	117	114	108	103	86	69	59	56	55	53	47	
4	52	53	52	50	48	47	40	60	93	113	118	126	139	137	138	134	115	102	91	71	61	57	57	47	
5	51	50	48	47	44	43	45	52	95	108	120	142	137	125	129	112	96	75	68	62	60	58	57	43	
6	57	44	51	51	52	53	53	58	60	58	63	59	62	104	92	68	61	65	61	56	51	52	51	51	
7	51	49	49	48	47	48	40	52	60	108	120	126	134	139	117	117	75	62	55	58	57	54	49	47	
8	45	45	42	40	40	42	40	65	88	104	121	120	136	134	136	134	131	118	96	89	72	62	56	57	
9	51	49	48	46	44	44	45	45	70	94	113	120	130	145	143	130	137	96	90	82	73	69	66	61	
10	60	61	58	58	56	59	60	72	101	125	137	142	134	130	118	119	119	119	119	119	119	119	119		
11	57	56	56	53	51	51	53	70	106	124	127	145	148	106	150	127	94	80	83	80	77	74	67	62	
12	69	67	63	62	60	59	58	82	92	94	126	137	151	150	156	148	147	137	121	110	89	78	74	64	
13	67	66	63	63	63	58	61	70	70	104	115	125	126	130	133	130	124	112	93	80	75	73	59	58	
14	65	65	56	56	54	53	55	82	108	127	135	144	143	150	152	142	139	127	112	92	79	76	71	68	
15	63	63	60	58	58	55	57	57	72	105	126	134	144	153	150	148	139	123	107	92	80	76	74	55	
16	73	71	72	70	69	71	86	85	98	134	143	150	155	154	134	134	120	111	95	83	71	69	66	63	
17	61	60	56	54	53	52	54	70	92	109	121	129	136	136	136	137	110	99	85	69	60	55	53	52	
18	51	48	46	45	44	45	48	68	93	93	124	130	131	146	138	124	124	117	110	96	71	65	53	44	
19	54	53	51	46	45	45	46	45	97	114	130	138	147	149	129	118	118	118	94	77	72	69	57	44	
20	44	61	60	55	57	52	51	72	93	116	136	145	145	145	128	121	115	106	95	84	73	70	68	56	
21	64	61	60	60	55	52	50	58	69	73	80	88	91	91	98	103	103	99	93	88	73	58	55	52	50
22	49	49	48	46	45	46	45	46	63	63	113	115	123	123	140	141	139	118	110	91	75	72	65	45	
23	60	57	55	53	51	50	52	72	99	118	130	144	138	141	144	147	141	130	120	101	79	73	70	50	
24	52	51	50	57	55	53	53	74	103	119	132	136	143	152	147	143	137	134	119	100	83	78	75	72	53
25	70	68	65	61	59	56	56	76	102	122	136	142	150	151	147	146	139	121	111	96	82	77	74	72	56
26	68	67	64	63	62	60	58	75	95	96	112	121	121	124	124	124	124	110	105	82	76	68	63	60	
27	53	52	51	48	47	47	49	57	70	72	101	108	119	93	90	78	99	101	82	70	55	52	50	49	47
28	49	49	50	47	45	48	52	65	102	119	144	138	145	100	102	126	84	104	90	67	59	57	55	45	44
29	52	50	47	49	45	45	45	63	94	113	109	126	135	135	129	124	116	102	92	81	67	63	60	58	45
30	54	53	51	48	46	46	46	47	63	86	107	123	131	134	134	127	118	107	99	88	77	66	63	61	58
31	54	55	55	52	52	52	57	78	79	95	120	114	107	103	96	95	84	72	59	54	52	54	52	52	

MEAN MINIMUM TEMPERATURE IS 49.8 STANDARD DEVIATION IS 5.44  
MEAN MAXIMUM TEMPERATURE IS 138.6 STANDARD DEVIATION IS 13.59

AIR MOTOR IN CONTAINER      CHANNEL 2A  
AIR INSIDE CONTAINER

YEAR IS 1971. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	52	49	45	45	43	39	38	59	92	110	120	130	129	137	133	121	126	118	103	88	70	62	61	54	38	137	
2	57	56	52	52	51	47	45	63	83	90	101	129	107	128	116	126	116	121	101	79	66	61	58	56	45	129	
3	54	51	50	49	45	44	44	61	81	90	109	123	110	143	150	143	147	116	123	98	99	74	70	67	64	44	150
4	58	57	56	56	54	54	54	62	80	90	126	130	141	139	143	136	136	126	120	109	90	78	72	68	66	54	143
5	63	63	61	60	57	54	52	69	101	119	132	134	138	140	152	152	142	134	124	108	84	78	74	71	52	152	
6	65	65	61	58	56	55	55	56	73	107	113	139	107	131	136	153	148	149	136	125	104	84	80	76	73	55	153
7	71	67	61	59	56	55	56	74	104	121	139	119	150	147	154	144	145	134	125	104	87	82	79	77	55	154	
8	74	73	70	66	63	61	61	60	78	103	121	141	148	157	157	150	146	135	129	114	91	85	81	78	75	60	157
9	73	68	65	61	61	60	60	60	72	91	105	110	130	145	146	147	151	137	119	106	95	79	72	69	63	60	151
10	63	63	57	57	55	54	54	68	85	103	113	129	134	140	137	137	131	120	108	93	75	70	68	63	54	140	
11	61	59	56	54	54	52	52	52	70	90	118	130	139	145	145	152	153	146	139	125	112	98	82	78	77	52	153
12	76	70	68	63	60	58	59	76	106	125	130	147	151	150	150	146	137	132	120	101	89	82	79	78	58	151	
13	77	75	72	72	69	69	68	80	100	116	133	141	154	157	156	150	139	129	116	104	87	81	77	73	68	157	
14	70	69	67	65	61	59	58	76	107	126	141	148	152	154	154	148	150	146	131	116	94	88	85	81	58	157	
15	78	72	70	67	66	62	63	80	107	129	145	157	164	158	157	157	157	154	143	135	116	98	91	87	P3	62	164
16	81	75	72	73	69	64	65	81	111	127	141	152	158	157	159	154	147	136	124	111	95	88	85	81	65	159	
17	74	77	75	71	69	66	65	82	109	123	144	150	159	161	151	150	140	128	119	107	91	85	80	76	72	65	161
18	73	70	73	70	66	67	71	79	111	129	141	150	154	160	161	150	149	137	131	121	108	90	84	81	71	63	161
19	80	77	75	74	70	68	67	80	111	132	147	150	158	165	167	151	141	126	117	106	89	83	78	74	67	167	
20	74	73	69	66	62	60	59	80	111	127	143	152	153	156	161	160	150	146	133	121	96	88	85	81	60	161	
21	78	73	71	70	67	64	64	80	113	127	141	151	163	160	160	147	146	135	126	112	94	86	84	79	64	163	
22	79	75	75	70	69	63	62	78	112	132	145	155	162	157	161	156	152	141	127	113	95	88	83	82	62	162	
23	72	76	75	71	68	65	65	80	110	129	137	147	155	150	157	150	143	131	122	110	92	85	84	80	65	159	
24	78	76	72	70	69	66	65	77	103	123	139	152	149	145	144	142	135	127	119	108	90	85	83	81	63	152	
25	81	79	77	77	75	74	73	83	104	118	129	132	138	140	141	137	133	124	114	104	88	83	81	79	73	161	
26	79	77	75	73	72	72	72	82	100	111	124	129	131	135	131	131	125	117	108	98	84	80	78	76	72	135	
27	75	74	73	71	72	71	71	78	92	104	115	125	133	132	129	126	118	111	105	92	76	73	72	70	133		
28	79	70	69	68	67	66	65	75	95	119	129	133	154	148	146	146	142	118	114	106	92	79	74	72	71	66	154
29	-	69	63	63	60	58	55	70	100	116	130	130	130	141	140	150	154	149	137	129	117	91	82	79	75	55	154
30	70	69	66	61	59	57	57	71	105	125	141	147	157	153	154	157	145	141	133	116	92	85	82	78	57	157	

MEAN MINIMUM TEMPERATURE IS 59.4  
MEAN MAXIMUM TEMPERATURE IS 152.2

STANDARD DEVIATION IS A.17  
STANDARD DEVIATION IS 9.82

AEROC MOTOR IN CONTAINER      CHANNEL 2A  
AIR INSIDE CONTAINER

NWC TP 5039  
Part 2

YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	76	73	72	66	63	61	61	74	117	126	144	154	163	156	150	147	139	129	111	92	86	83	78	61	163			
2	77	74	70	68	65	62	61	77	105	116	129	142	151	161	150	152	139	129	116	102	98	84	81	79	61	161		
3	77	76	74	68	66	65	64	77	98	113	128	161	149	155	158	155	145	135	120	106	91	85	82	79	63	158		
4	77	75	74	68	65	62	61	75	100	117	137	149	158	158	162	153	144	131	119	107	91	95	93	81	61	162		
5	78	78	75	68	67	62	62	76	104	118	136	147	150	161	155	147	117	123	108	92	85	82	79	62	165			
6	78	77	75	71	72	66	61	76	103	121	133	143	156	159	156	155	147	135	121	10	92	86	84	81	61	159		
7	79	79	76	70	68	62	61	77	101	116	131	143	151	164	155	147	140	131	120	106	90	84	82	79	61	164		
8	78	75	73	72	70	66	63	76	102	118	134	149	155	161	151	151	141	130	120	106	99	95	90	77	63	161		
9	78	73	68	67	65	61	61	74	107	126	142	148	154	159	162	161	152	136	123	108	91	85	82	80	60	162		
10	78	75	74	74	71	71	80	104	128	134	143	150	155	159	150	141	129	119	108	98	81	76	73	71	71	159		
11	73	72	60	66	62	60	62	75	103	125	139	148	160	150	158	158	149	141	128	117	95	88	82	82	60	160		
12	80	77	72	70	71	56	63	78	111	128	145	158	165	160	145	141	136	126	113	97	93	89	84	81	63	158		
13	80	78	77	74	72	72	70	82	113	131	147	150	163	161	160	155	147	143	134	117	102	95	88	85	70	163		
14	84	81	77	76	75	72	70	82	116	134	145	157	164	166	162	154	150	144	116	101	92	88	85	70	169			
15	86	85	82	81	81	81	71	88	97	128	168	164	166	162	166	166	166	166	159	139	116	94	88	85	85	74	166	
16	82	82	82	82	82	77	76	73	72	84	109	130	145	155	160	152	152	159	157	136	131	115	98	94	92	88	72	160
17	92	93	81	81	72	77	79	77	98	110	106	91	93	101	111	141	104	101	109	88	82	79	78	72	70	161		
18	97	76	75	74	73	72	70	79	112	131	145	152	161	150	163	163	169	143	131	112	97	92	86	81	70	163		
19	94	83	81	79	76	75	72	85	104	115	122	155	150	165	130	118	150	143	136	114	99	94	90	87	73	165		
20	97	85	84	79	76	73	74	88	113	132	144	155	159	165	152	158	143	147	122	113	101	96	94	92	73	165		
21	92	92	91	81	81	83	84	87	101	113	107	129	150	161	151	154	154	114	96	97	91	88	86	85	83	154		
22	33	31	20	78	76	75	75	85	113	130	150	150	159	164	163	161	138	136	126	115	99	94	91	89	75	169		
23	86	87	85	83	80	78	75	88	110	129	145	155	158	165	162	147	152	140	133	114	99	94	91	88	75	165		
24	85	83	79	78	74	72	70	83	110	127	145	153	162	163	157	155	145	140	128	112	96	91	88	86	70	163		
25	83	81	77	77	72	71	69	84	104	128	147	156	160	161	155	148	145	140	126	113	98	92	90	88	69	161		
26	92	91	77	74	72	70	69	85	110	129	140	147	157	164	168	159	161	146	130	115	99	95	91	87	69	169		
27	83	79	77	73	71	69	68	85	109	131	144	152	157	169	159	165	155	148	140	121	102	96	94	90	68	169		
28	84	86	78	76	74	72	70	87	109	133	147	155	162	168	169	154	150	139	132	119	103	96	95	90	70	169		
29	83	84	79	78	75	73	71	91	112	134	142	150	164	163	165	163	150	146	132	117	103	98	95	93	73	165		
30	89	85	82	79	77	76	73	87	110	130	144	156	161	161	157	153	141	128	108	99	95	92	88	73	163			
31	85	83	81	80	77	75	73	88	110	129	143	150	156	161	160	151	153	150	138	117	101	97	93	90	73	161		

MEAN MINIMUM TEMPERATURE IS 68.4  
MEAN MAXIMUM TEMPERATURE IS 167.3

STANDARD DEVIATION IS 5.85  
STANDARD DEVIATION IS 5.37

ASROC MOTOR IN CONTAINER CHANNEL 27

TOP MOISTURE SKIN OF MOTOR

YEAR IS 1970. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX					
1	A1	78	76	73	71	70	68	71	A6	101	109	113	121	123	123	123	123	123	123	123	123	123	123	123	123	123					
2	R0	78	76	73	71	70	67	R0	101	109	113	121	123	123	123	123	123	123	123	123	123	123	123	123	123	123					
3	R7	86	80	77	75	73	71	77	R0	107	112	125	118	132	137	126	131	129	121	113	104	98	93	86	67	131					
4	R8	R7	R4	R3	R2	R0	78	R1	R3	107	118	125	125	137	135	139	137	136	120	111	106	102	97	95	91	71	132				
5	R0	86	84	82	R0	78	76	R0	92	106	117	125	129	130	132	133	124	122	115	107	101	95	92	90	76	139					
6	R8	R4	R3	R2	R1	R0	78	77	79	R2	107	113	120	124	124	124	128	125	112	104	101	98	94	90	87	77	126				
7	R5	R3	R2	R0	79	77	74	73	76	94	109	110	125	128	133	126	127	121	117	112	106	99	94	90	87	73	133				
8	R6	H5	R5	R3	R2	R1	R0	R2	R1	R0	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	109				
9	R3	73	72	70	70	69	70	75	82	96	103	110	110	112	109	106	101	97	92	85	80	74	75	74	74	74					
10	R3	72	70	69	69	68	67	R0	85	89	92	96	101	103	106	106	106	106	106	106	106	106	106	106	106	106	106				
11	R3	72	70	69	68	67	66	65	70	R3	98	107	112	117	119	120	119	119	119	119	119	119	119	119	119	119					
12	R7	74	73	72	70	69	69	R0	R2	R1	R0	107	112	115	115	113	108	103	98	95	92	R8	R2	76	73	60	115				
13	R0	70	68	67	65	65	63	62	65	R5	R4	R2	R0	62	108																
14	R4	R8	R5	R4	R3	R1	R0	R1	R1	R0	R3	R5	59	116																	
15	R5	73	70	68	66	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61			
16	R9	75	73	75	70	68	67	71	82	95	104	115	120	122	126	121	120	114	106	107	90	87	R3	R3	R3	R3	R3	65	120		
17	R0	78	75	71	69	67	65	70	R0	R0	106	111	117	122	123	123	123	123	122	119	114	111	105	99	84	81	76	60	115		
18	R1	R8	R7	R5	R3	R1	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	64	12H
19	R6	R4	R2	R0	79	74	74	73	72	73	77	94	104	120	125	130	130	130	132	132	131	122	117	110	101	97	94	73	133		
20	R2	R0	R6	R3	R3	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	79	140
21	R5	R4	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	86	163
22	R6	R4	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	86	163
23	R1	R7	R5	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	76	137
24	R1	R8	R5	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	77	130
25	R7	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R1	146							
26	R6	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	86	163						
27	R1	R8	R5	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	78	126
28	R4	R2	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0	73	114						
29	R7	75	73	72	71	69	68	71	74	78	91	104	112	117	118	118	118	118	117	116	108	106	100	91	86	81	79	69	120		
30	R8	77	75	73	72	71	69	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71		

MENAN MINIMUM TEMPERATURE IS 71.8 STANDARD DEVIATION IS 6.02  
MEAN MAXIMUM TEMPERATURE IS 127.0 STANDARD DEVIATION IS 10.96

NWC TP 5039  
Part 2

ASKOC MOTOR IN CONTAINER CHANNEL 27  
TOP BRASSINE SKIN OF MOTOR

YEAR IS 1970. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN. MAX.
1	84	81	78	76	73	71	70	74	92	102	117	124	120	130	133	130	125	120	108	101	96	94	20	134	
2	90	86	83	81	78	77	75	80	95	106	116	126	133	136	137	136	134	123	114	108	103	99	98	75	137
3	95	94	92	89	86	85	84	84	91	109	121	128	130	134	135	125	121	116	113	107	104	101	92	96	144
4	94	92	90	89	88	86	86	86	91	110	109	127	125	133	121	118	150	127	124	123	113	106	103	100	135
5	97	96	94	93	92	90	89	93	106	108	129	129	136	151	143	142	132	128	126	119	111	106	102	99	143
6	97	95	93	92	89	87	85	88	101	113	124	132	137	140	139	136	133	129	123	118	110	104	101	98	140
7	95	94	91	90	88	87	84	87	96	110	121	125	132	134	138	130	137	134	133	126	120	110	104	101	99
8	97	96	95	94	92	91	90	94	95	114	110	110	116	114	114	111	111	105	103	101	98	95	93	92	90
9	85	88	87	86	85	85	86	84	83	80	78	80	85	92	118	111	118	117	116	108	104	95	91	88	86
10	63	62	60	79	78	77	77	78	84	88	101	101	101	100	100	110	121	123	128	117	112	107	100	95	92
11	66	63	61	79	77	75	75	74	84	94	108	119	125	129	134	136	132	129	121	110	102	98	95	77	128
12	92	90	86	85	82	81	79	79	93	98	112	123	131	135	138	136	137	137	134	133	131	120	116	101	98
13	95	92	88	86	84	82	79	86	98	110	120	125	129	132	136	135	133	129	125	125	114	105	101	98	138
14	95	92	89	87	85	82	82	82	95	98	111	124	133	137	126	130	139	130	138	133	126	121	112	107	101
15	97	95	92	89	87	85	82	87	101	115	124	134	134	141	140	137	126	123	114	108	104	95	92	82	139
16	95	92	89	86	84	82	86	86	101	113	123	132	134	138	135	131	129	124	119	111	104	101	97	141	
17	95	92	89	87	85	83	82	86	96	98	113	121	130	137	142	139	139	132	129	123	110	102	98	95	
18	99	96	93	91	89	86	86	86	90	104	118	129	134	140	147	137	136	135	120	119	112	107	104	101	
19	99	97	95	93	91	89	86	86	90	102	116	122	133	137	141	141	141	140	137	132	126	116	110	104	101
20	102	99	97	95	93	91	89	89	92	103	115	125	133	139	144	139	139	122	118	119	111	106	102	90	141
21	97	95	94	92	91	90	88	92	109	116	126	133	133	132	131	130	125	121	115	107	102	99	95	86	144
22	94	92	91	89	86	84	82	80	86	95	108	120	126	131	131	126	124	121	117	113	104	101	97	92	133
23	89	86	84	82	79	77	75	79	92	105	114	122	127	132	132	132	129	126	119	108	104	101	97	95	129
24	92	90	87	84	82	80	76	72	93	107	111	121	121	126	131	131	129	124	121	116	117	101	97	95	136
25	92	90	88	85	83	81	79	72	94	108	118	123	128	132	132	132	129	124	121	116	117	107	101	97	133
26	92	91	89	87	85	84	82	82	94	105	116	126	131	134	134	129	125	125	125	120	116	110	104	101	96
27	92	90	88	86	84	82	80	82	95	108	120	126	131	133	131	129	125	123	119	116	107	102	99	95	93
28	91	89	86	83	81	80	84	81	97	113	120	121	128	134	131	127	118	118	117	108	101	97	94	86	
29	90	88	86	84	82	81	82	85	96	102	117	119	125	126	126	112	114	116	112	108	101	97	94	134	
30	88	87	85	83	81	79	74	74	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	91	126
31	87	83	81	78	75	72	70	76	87	101	112	110	126	130	131	132	129	126	120	107	101	96	91	76	132

MEAN MINIMUM TEMPERATURE IS A1.1 STANDARD DEVIATION IS 5.20  
MEAN MAXIMUM TEMPERATURE IS 135.0 STANDARD DEVIATION IS 6.43

ASROC MOTOR IN CONTAINER CHANNEL 27

TEMP OUTSIDE SKIN OF MOTOR

YEAR IS 1970. MONTH IS NO.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN.	MAX.	
1	25	45	83	80	77	75	73	77	91	102	111	118	123	129	126	121	116	105	100	96	94	73	73	34			
2	97	86	82	79	77	74	73	73	89	102	108	116	121	126	127	128	126	122	117	106	101	97	94	73	73		
3	90	87	84	82	79	78	76	76	81	92	107	118	126	130	135	131	131	130	129	124	120	102	99	97	76	131	
4	95	93	90	89	89	85	82	82	87	91	101	114	120	123	125	131	131	131	130	129	124	120	102	99	97	76	135
5	91	88	88	88	85	85	82	81	78	82	86	101	119	126	129	132	132	132	132	130	129	123	111	104	99	96	93
6	94	92	88	85	83	81	70	70	78	83	93	110	118	120	134	136	136	136	136	130	131	127	123	111	104	99	92
7	96	92	88	85	83	81	79	79	84	93	106	118	120	138	142	137	137	137	133	127	122	116	104	101	97	78	133
8	92	88	87	85	84	84	84	84	81	81	95	107	117	126	132	135	135	135	134	131	128	123	117	107	101	98	94
9	99	87	85	81	78	76	74	74	80	90	107	110	126	133	136	139	139	138	137	132	123	117	107	101	98	94	91
10	94	91	89	86	83	81	79	79	85	95	105	110	121	131	136	136	136	136	132	126	120	113	104	99	96	91	139
11	98	97	94	92	89	87	82	82	85	95	107	112	121	131	136	136	136	136	134	130	124	110	104	99	96	74	139
12	98	95	95	93	91	89	88	86	86	89	98	108	112	117	125	125	125	125	121	116	115	108	104	101	98	91	143
13	97	96	94	92	91	89	85	85	85	85	98	112	121	129	133	136	136	136	136	132	122	112	102	102	101	96	91
14	95	93	91	89	89	89	87	87	87	87	96	110	116	126	131	136	136	136	136	131	129	126	118	110	106	102	93
15	94	91	90	89	86	84	82	81	80	83	92	106	114	124	126	132	132	132	132	131	128	126	116	109	104	101	98
16	95	93	92	90	89	86	84	84	82	82	95	105	114	124	126	132	132	132	132	131	128	126	116	109	104	101	98
17	91	89	87	85	83	81	80	80	82	82	91	105	115	126	132	132	132	132	131	126	121	116	109	103	99	96	91
18	94	91	90	86	85	83	82	82	81	81	90	110	116	121	126	131	132	132	131	126	122	112	107	101	96	91	134
19	93	91	90	88	86	84	82	82	80	80	90	100	111	117	120	124	126	126	126	124	120	116	109	103	99	96	91
20	91	90	89	87	86	84	82	80	79	79	81	97	109	111	117	122	125	125	125	125	121	113	104	100	97	93	91
21	90	89	87	86	85	84	82	81	81	80	87	97	109	111	117	122	125	125	125	125	121	117	109	100	97	93	91
22	91	90	89	87	86	85	84	83	82	82	80	97	108	119	126	132	132	132	132	131	128	125	119	110	103	99	96
23	90	89	88	87	86	85	84	83	82	82	80	97	108	119	126	132	132	132	132	131	128	125	119	110	103	99	96
24	95	92	92	91	90	89	87	87	86	85	85	97	107	116	126	132	132	132	132	131	128	125	119	110	103	99	96
25	93	92	91	90	89	87	86	85	85	85	85	97	107	116	126	132	132	132	132	131	128	125	119	110	103	99	96
26	93	92	91	90	89	87	86	85	85	85	85	97	107	116	126	132	132	132	132	131	128	125	119	110	103	99	96
27	91	89	88	87	86	85	84	83	82	82	80	101	115	124	127	132	132	132	132	131	128	125	121	117	111	104	95
28	91	90	87	85	83	82	80	79	78	78	76	97	104	117	124	130	130	130	130	129	126	122	117	111	104	95	91
29	92	91	89	88	85	83	81	80	79	78	76	95	105	117	125	132	132	132	132	131	128	125	120	115	108	102	92
30	91	89	86	82	82	80	78	78	78	78	78	91	106	117	125	131	131	131	131	129	126	122	117	111	104	95	91
31	91	89	87	85	82	80	78	77	77	75	75	91	104	116	124	132	132	132	132	131	128	125	121	115	108	102	92

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Part 2

MEAN MINIMUM TEMPERATURE IS 79.5 STANDBY DEVIATION IS 3.57  
MEAN MAXIMUM TEMPERATURE IS 133.0 STANDBY DEVIATION IS 3.92

ASROC MOTOR IN CONTAINER CHANNEL 27

TEMP OUTSIDE SKIN OF MOTOR

YEAR IS 1970. MONTH IS 9.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	85	83	82	80	78	76	74	72	70	69	67	65	63	61	60	59	58	57	56	55	54	53	52	51	50	53	130	
2	84	H0	79	76	74	72	70	69	68	67	65	63	61	59	57	55	53	52	51	50	49	48	47	46	45	44	126	
3	85	H2	79	75	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	39	38	37	36	35	124	
4	82	81	79	78	76	75	77	81	92	100	105	108	110	115	110	108	105	103	101	100	98	96	94	92	90	88	110	
5	79	76	74	72	70	68	67	67	66	98	98	100	100	101	101	100	100	100	103	93	93	93	92	91	90	90	113	
6	70	68	66	64	62	60	62	70	88	100	107	110	110	116	116	116	116	113	110	101	90	85	82	80	80	80	112	
7	75	73	71	69	67	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	124	
8	82	80	78	76	73	72	70	71	70	69	67	65	63	61	59	57	55	53	51	50	49	48	47	46	45	44	126	
9	85	H2	79	77	75	73	72	73	81	98	111	120	125	125	126	126	126	126	123	120	110	98	94	91	88	86	126	
10	86	83	82	79	77	75	73	75	62	99	114	123	129	130	130	130	130	122	122	120	110	102	97	96	91	91	130	
11	88	H7	85	H3	82	79	76	74	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	130	
12	87	H6	82	82	82	80	77	74	85	97	106	110	111	111	111	110	110	109	106	103	95	90	82	80	80	80	116	
13	82	H0	78	76	75	73	73	74	87	96	102	104	104	103	101	99	95	97	92	92	91	87	85	82	82	82	116	
14	73	71	70	68	66	64	61	60	58	58	58	58	58	57	57	57	57	57	57	57	57	57	57	57	57	57	104	
15	70	68	66	64	61	60	57	57	59	83	90	107	113	113	114	112	112	110	105	93	95	91	77	76	75	75	113	
16	71	69	66	65	63	61	60	61	71	85	102	104	104	104	104	104	104	104	104	97	97	97	92	78	76	76	114	
17	73	70	68	65	63	61	60	61	71	85	90	100	118	121	122	120	117	117	112	107	99	99	91	87	84	81	80	117
18	77	74	71	69	67	65	63	62	72	87	103	111	116	116	117	117	116	116	116	116	116	116	116	116	116	116	116	
19	81	79	77	74	73	71	72	73	74	80	90	103	104	107	106	106	104	101	96	93	94	92	89	86	82	82	116	
20	76	76	75	74	72	70	68	67	65	86	96	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	109	
21	73	70	68	66	63	61	60	62	70	87	97	105	105	104	104	104	104	104	104	104	104	104	104	104	104	104	113	
22	72	70	69	66	64	63	61	61	72	85	98	101	104	105	107	107	107	107	107	107	107	107	107	107	107	107	107	
23	67	65	63	60	59	57	56	56	58	80	97	105	110	112	112	111	109	105	100	98	96	93	91	70	56	56	112	
24	74	72	69	67	65	63	61	60	71	86	101	100	115	114	116	116	116	114	109	95	93	91	81	78	69	69	112	
25	73	73	72	70	68	66	64	63	72	85	95	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	113	
26	62	60	57	55	54	52	51	51	57	75	95	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	105	
27	67	64	62	61	58	56	54	54	67	79	97	105	107	107	107	107	107	107	107	107	107	107	107	107	107	107	110	
28	70	67	64	64	61	59	58	56	60	81	97	107	110	110	110	110	110	109	107	107	107	107	107	107	107	107	110	
29	71	69	66	63	62	60	58	59	70	81	98	106	110	113	116	113	116	113	107	95	99	92	80	76	56	56	110	
30	75	72	70	68	66	65	63	62	71	81	96	107	114	116	116	112	111	107	93	93	94	91	78	62	62	62	115	

MEAN MINIMUM TEMPERATURE IS 42.5 STANDARD DEVIATION IS 7.17

MEAN MAXIMUM TEMPERATURE IS 116.1 STANDARD DEVIATION IS 7.75

ASPECT RATIO IN CONTAINER CHANNEL 27  
TEMPERATURES IN °F

YEAR IS 1970. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUBSEQUENT COLUMN IS TEMPERATURE IN DEGREES Fahrenheit AT HOUR WHICH IS DESIGNATED AT THE TOP OF COLUMN. THE LAST TWO COLUMNS GIVE MEAN MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	MIN	MAX	
1	76	74	70	68	66	64	63	64	65	66	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	116	
2	75	73	72	70	69	68	67	68	69	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	63	112
3	70	69	67	65	63	62	61	62	61	62	61	62	61	62	61	62	61	62	61	62	61	62	61	62	61	62	61	62	109
4	71	70	69	68	67	66	65	64	63	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	109
5	75	73	72	70	69	68	67	66	65	64	63	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	111
6	77	75	73	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	113
7	72	71	70	69	68	67	66	65	64	63	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	112
8	57	55	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	104
9	60	57	55	54	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	104
10	65	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	104
11	70	68	65	63	61	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	104
12	70	68	66	63	61	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	104
13	65	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	104
14	67	64	62	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	104
15	57	55	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	104
16	62	59	57	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	104
17	65	58	54	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	104
18	59	57	55	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	104
19	64	61	59	57	55	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	104
20	66	64	62	61	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	104
21	63	61	59	58	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	104
22	62	61	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	104
23	54	53	51	50	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	104
24	66	64	63	61	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	104
25	54	52	52	50	49	47	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	104
26	54	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	104
27	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	104
28	43	41	39	37	35	34	33	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	104
29	43	44	42	40	39	38	36	34	34	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	104
30	46	46	45	44	43	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	104

MEAN MINIMUM TEMPERATURE IS 54.6 STANDRD DEVIATION IS 0.54  
MEAN MAXIMUM TEMPERATURE IS 69.6 STANDRD DEVIATION IS 0.54

NWC TP 5039

Part 2

ASROC. MOTOR IN CONTAINER CHANNEL 27  
TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1970. MONTH IS 11.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX			
1	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	48	59	70	80	91	92	86	80	76	70	64	61	48	92
2	59	57	56	54	52	50	48	46	45	48	51	62	73	74	76	81	87	77	68	69	69	69	69	69	69	69	67		
3	68	67	67	66	65	64	63	62	61	60	59	59	59	59	59	60	61	62	63	63	63	62	62	62	62	62	68		
4	62	62	62	61	61	60	60	60	59	59	59	60	62	64	66	67	68	70	71	71	71	71	71	71	71	71	71		
5	70	69	68	68	67	66	65	65	64	64	63	63	64	72	81	79	77	72	67	65	64	63	63	63	63	63	61		
6	62	60	59	58	57	56	56	55	54	57	51	61	66	71	80	89	89	86	83	76	69	65	62	59	54	54	59		
7	57	55	54	51	49	48	48	45	43	49	55	65	75	81	87	87	88	86	85	76	68	64	60	58	43	43	43	43	
8	56	54	53	51	50	48	47	46	46	49	53	65	77	82	8R	8R	88	86	84	76	69	65	62	50	46	46	46	48	
9	57	55	54	52	51	50	49	47	46	51	56	66	76	83	90	91	92	90	89	79	71	67	63	61	46	46	46	92	
10	59	57	55	53	51	50	49	49	49	48	47	58	70	76	83	84	85	83	81	76	71	67	63	61	46	46	46	46	
11	64	63	63	62	61	62	62	63	62	63	64	69	74	70	84	85	86	82	72	67	64	62	58	58	58	58	58		
12	55	53	51	49	48	46	45	44	43	43	48	53	62	72	78	85	82	80	79	71	64	60	56	54	54	54	54	55	
13	52	51	50	49	49	48	47	46	45	45	49	53	63	74	78	82	81	81	78	75	68	67	58	54	53	53	53	82	
14	52	49	47	45	44	42	40	39	38	43	48	58	68	75	83	83	84	79	75	68	61	57	53	50	50	50	50	86	
15	48	46	45	43	42	40	39	37	36	40	45	54	64	72	81	81	81	80	71	62	58	55	52	52	52	52	52	85	
16	50	48	46	44	42	41	40	37	36	40	45	54	64	72	81	81	81	80	71	62	58	55	52	52	52	52	52	81	
17	52	50	49	46	45	43	41	40	39	42	45	56	67	74	81	82	83	80	78	70	62	56	55	53	53	53	53	83	
18	51	49	47	45	44	43	42	41	41	45	49	59	69	75	82	82	82	82	79	77	69	62	58	55	52	52	52	92	
19	49	47	46	44	43	42	41	39	38	40	42	52	63	71	80	80	80	79	78	70	62	58	55	52	52	52	52	80	
20	49	47	45	44	43	41	40	38	37	39	42	52	62	69	77	78	78	76	76	68	60	56	53	51	51	51	51	86	
21	49	47	45	43	42	40	39	38	37	40	42	52	62	69	77	78	78	76	76	74	68	60	56	53	51	51	51	86	
22	51	49	47	46	45	43	42	41	41	42	44	56	64	71	78	80	83	81	79	70	62	59	56	53	52	52	52	81	
23	52	50	49	47	46	44	43	42	41	43	45	56	68	75	83	83	80	78	75	72	70	68	66	64	63	63	63	83	
24	62	61	60	59	58	57	56	55	56	58	63	68	71	76	83	83	80	78	75	72	70	68	66	64	63	63	63	74	
25	62	61	60	59	58	57	56	55	56	58	63	68	71	74	73	72	69	67	62	58	56	55	54	54	54	54	54	74	
26	53	51	50	48	46	44	43	41	40	43	46	53	61	64	67	69	71	69	67	61	55	53	52	50	49	48	48	48	
27	48	47	46	46	47	45	44	43	43	43	47	52	57	63	62	62	62	59	55	53	52	50	49	48	48	48	48		
28	48	47	47	47	47	46	46	46	46	46	46	48	51	51	51	49	49	50	50	50	48	47	46	45	45	45	45	51	
29	45	44	43	43	43	43	43	42	42	44	47	53	59	62	65	65	63	62	57	53	51	50	49	47	47	47	47		

MEAN MINIMUM TEMPERATURE IS 45.7 STANDARD DEVIATION IS 7.92  
MEAN MAXIMUM TEMPERATURE IS 50.1 STANDARD DEVIATION IS 9.30

ASRIC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1970. MONTH IS 12.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	49	49	48	48	47	47	46	46	44	42	43	45	53	61	66	71	70	69	68	67	61	56	54	52	51	42	71
2	50	49	49	48	48	48	49	49	48	48	54	60	61	62	62	62	61	60	55	51	50	49	48	48	48	69	62
3	47	46	45	43	42	40	38	37	37	38	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	73
4	44	42	41	40	39	38	37	36	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	70
5	45	43	42	41	40	39	38	37	36	37	37	39	40	40	40	40	40	40	40	40	40	40	40	40	40	36	70
6	47	45	43	42	41	40	39	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	76
7	46	45	44	42	41	40	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	76
8	47	45	44	43	42	41	40	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	76
9	58	57	57	57	57	56	56	55	55	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	76
10	50	48	46	45	44	42	41	40	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	74
11	43	41	40	39	39	37	35	34	34	34	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	72
12	42	40	39	38	37	36	35	33	32	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	74
13	44	42	40	38	37	35	34	33	32	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	75
14	47	45	44	43	42	41	40	39	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	73
15	44	42	41	40	39	37	36	35	34	34	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	67
16	41	40	39	38	37	36	35	34	34	34	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	67
17	47	46	45	45	45	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	60
18	42	41	40	39	39	37	35	34	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	60
19	42	41	41	40	39	38	37	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	58
20	39	39	39	38	37	36	35	34	33	32	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	51
21	44	43	42	42	41	41	41	41	41	40	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	62
22	41	40	40	39	37	36	35	34	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	67
23	39	38	37	35	34	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	66
24	42	40	39	38	38	38	38	37	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	66
25	39	37	36	35	35	34	33	33	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	68
26	37	35	34	33	32	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	68
27	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	69
28	37	36	36	35	34	33	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	68
29	39	37	36	35	34	33	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	66
30	39	38	37	36	35	34	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	66
31	41	40	39	38	38	37	36	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	71

MEAN MINIMUM TEMPERATURE IS 35.8  
STANDARD DEVIATION IS 5.09  
MEAN MAXIMUM TEMPERATURE IS 67.2  
STANDARD DEVIATION IS 7.11

NWC TP 5039

Part 2

ASROC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 1.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	42	41	40	39	38	37	36	35	34	33	30	48	56	64	67	70	69	68	60	53	50	47	46	33	70	
2	45	44	44	45	45	45	43	42	42	43	45	47	49	49	48	47	46	44	43	41	40	38	38	38	51	
3	37	36	35	34	34	33	33	32	32	32	37	42	50	58	58	56	54	53	47	42	39	37	35	32	58	
4	34	32	30	28	27	26	25	24	23	23	33	43	50	58	58	57	56	56	48	41	40	36	32	30	23	59
5	28	26	25	23	22	21	20	19	18	18	28	38	47	57	56	56	55	55	48	41	37	34	32	18	57	
6	30	29	29	27	26	25	24	22	21	21	31	42	49	56	57	58	57	56	48	41	37	34	32	21	58	
7	30	28	27	26	25	24	23	22	21	21	31	41	48	56	58	61	60	59	52	45	41	37	35	21	61	
8	33	31	30	31	32	30	29	28	27	27	26	26	34	46	55	64	57	51	49	48	44	40	37	35	26	64
9	32	31	30	29	28	27	27	27	28	29	30	34	39	49	59	60	62	63	55	48	44	40	37	27	63	
10	35	34	33	31	30	29	28	27	27	27	33	39	51	63	64	66	66	58	50	46	42	40	27	66		
11	38	36	35	33	32	30	29	28	27	27	37	48	58	68	67	67	64	62	57	52	50	48	47	27	68	
12	47	46	45	45	45	44	44	44	44	44	47	50	56	62	63	64	62	60	55	51	49	47	45	44	64	
13	44	43	43	42	41	40	40	39	39	39	45	50	54	59	60	61	60	59	54	50	48	47	46	39	61	
14	46	45	44	44	44	44	44	44	44	43	41	40	44	48	54	60	64	68	67	60	53	49	45	42	40	68
15	40	38	37	36	35	34	33	31	30	30	30	39	58	68	73	78	72	67	64	61	56	51	47	30	78	
16	44	42	40	38	36	35	34	32	31	31	31	31	40	50	60	70	69	69	69	63	57	53	51	31	70	
17	49	46	44	43	42	41	40	39	37	36	36	46	57	65	73	75	78	78	70	63	58	56	54	36	78	
18	54	52	50	48	46	44	43	42	41	40	40	41	51	61	70	80	82	84	84	76	69	64	60	40	84	
19	60	57	55	53	51	50	49	47	46	50	55	50	55	65	71	78	83	83	83	78	73	68	65	45	84	
20	62	59	57	56	55	53	51	49	48	47	46	46	46	56	66	76	86	89	88	87	80	74	70	46	90	
21	67	64	62	59	57	54	54	52	52	51	50	50	59	69	76	83	84	82	79	75	69	64	60	50	84	
22	57	56	55	52	50	48	47	45	44	42	41	41	51	62	71	81	81	82	79	77	76	72	67	61	82	
23	53	51	49	46	44	42	41	40	39	37	35	35	36	52	68	72	76	76	77	77	69	62	57	35	77	
24	52	54	56	49	43	41	40	38	36	36	36	42	49	61	74	76	78	77	76	68	61	55	55	36	78	
25	50	47	45	43	42	40	39	37	36	35	34	34	35	46	58	67	77	79	82	81	73	65	59	34	82	
26	54	50	47	44	42	40	39	37	36	37	38	48	59	68	78	80	82	82	82	74	67	61	56	36	83	
27	56	53	50	48	46	44	43	42	41	40	39	39	40	51	62	72	82	84	87	85	76	68	62	39	87	
28	57	54	52	49	46	44	43	42	41	39	38	39	40	51	62	71	81	83	81	73	66	60	58	38	85	
29	55	52	50	48	46	44	43	41	40	39	38	39	40	51	62	72	82	84	86	85	76	68	62	36	86	
30	56	53	50	48	46	44	42	41	40	39	38	38	39	46	60	70	80	84	83	76	69	62	38	88		
31	56	53	50	48	46	44	42	41	40	38	37	38	39	40	59	64	69	76	73	68	64	60	37	84		

-- MEAN MINIMUM TEMPERATURE IS 34.4 STANDARD DEVIATION IS 7.81  
-- MEAN MAXIMUM TEMPERATURE IS 73.3 STANDARD DEVIATION IS 11.61

NWC TP 5039  
Part 2

AIRC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 2.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX							
1	56	53	51	49	47	46	45	45	44	43	42	41	52	54	71	79	82	86	85	85	78	71	65	65	41	86							
2	60	57	54	51	49	47	45	43	42	41	40	40	50	50	69	78	79	81	81	82	75	69	65	65	40	82							
3	61	58	56	54	53	51	50	48	46	44	43	44	45	45	55	65	73	81	81	81	76	73	66	60	55	91							
4	51	48	46	44	43	41	40	38	37	35	34	34	34	34	46	58	67	76	77	78	78	70	63	57	34	79							
5	52	49	46	44	43	41	40	38	37	36	35	35	35	35	45	56	64	73	76	76	78	77	64	64	59	80							
6	54	51	49	47	45	43	42	41	40	38	37	38	40	40	52	64	71	78	80	83	82	82	75	69	63	37	83						
7	57	54	51	49	47	45	43	42	41	40	40	40	52	52	65	73	81	82	84	83	82	75	69	62	40	84							
8	55	52	50	48	46	44	42	40	39	37	36	37	39	39	50	62	71	81	83	85	85	86	86	78	70	63	36	86					
9	56	53	51	48	46	44	42	41	40	38	37	38	38	38	41	50	65	74	84	87	87	87	87	79	72	65	47	87					
10	58	57	57	51	46	44	43	41	40	38	37	39	42	42	53	64	72	80	83	87	86	86	80	75	68	37	87						
11	61	59	57	55	53	51	50	48	46	45	44	45	44	44	46	48	50	70	80	90	90	91	91	85	80	73	44	91					
12	67	64	61	58	52	50	48	46	45	43	42	41	40	40	48	50	52	63	74	84	95	94	94	87	91	74	67	63	49	95			
13	60	58	56	54	52	50	48	46	45	43	42	41	47	47	50	62	74	81	90	93	97	96	95	88	82	75	68	65	45	97			
14	62	59	56	54	52	51	50	48	47	46	45	45	47	51	62	60	70	81	92	95	93	91	95	93	81	72	66	65	45	97			
15	64	61	59	57	55	54	53	52	51	50	49	48	47	47	54	61	63	66	66	66	71	69	69	65	62	59	52	71	47	95			
16	57	54	52	50	48	46	45	43	42	41	40	40	40	40	48	57	62	68	69	70	67	65	60	56	54	53	52	42	70	42	91		
17	51	50	49	47	45	43	42	41	40	39	38	37	36	36	40	40	52	64	72	72	83	87	84	82	75	69	62	57	54	40	87		
18	52	50	48	46	44	43	42	41	40	39	38	37	36	36	40	40	50	60	70	77	84	85	86	85	78	72	66	61	57	42	86		
19	53	51	49	47	46	45	44	43	42	41	40	40	45	45	52	57	62	65	68	76	81	86	86	85	85	78	72	66	61	57	42	86	
20	48	46	45	44	43	42	41	40	40	39	38	37	36	36	40	41	49	58	64	70	70	71	65	60	55	50	49	44	58				
21	49	47	45	44	43	42	40	39	38	37	36	35	34	34	41	44	53	62	71	80	81	83	81	82	70	58	56	38	83				
22	55	53	52	49	47	44	42	41	41	40	39	38	36	35	43	46	50	71	78	86	87	89	83	81	71	65	60	56	55	41	89		
23	54	53	52	51	50	49	48	47	46	45	44	43	42	41	44	48	48	60	73	72	72	77	82	76	70	62	55	53	49	82			
24	51	49	47	46	44	43	42	41	40	39	38	37	36	35	41	44	48	57	67	76	86	91	81	86	80	75	67	60	57	41	91		
25	55	52	49	47	45	43	42	40	39	38	36	35	33	32	35	38	43	57	66	69	73	74	71	68	63	59	56	53	51	39	74		
26	50	47	44	41	38	36	34	33	32	30	27	26	30	30	35	46	58	63	64	71	77	78	75	72	67	63	56	49	45	32	78		
27	41	38	36	34	33	31	29	27	26	30	30	35	35	34	38	38	43	50	58	62	67	63	67	61	58	54	50	46	44	26	71		
28	43	42	41	40	39	38	38	37	36	36	35	34	34	34	38	38	40	43	50	58	62	66	66	67	64	62	58	54	50	47	45	38	67

MEAN MINIMUM TEMPERATURE IS 40.3 STANDARD DEVIATION IS 5.34

MEAN MAXIMUM TEMPERATURE IS 42.2 STANDARD DEVIATION IS 5.44

ASRDC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 3.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	44	43	42	41	40	40	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	107
2	65	65	62	60	58	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	108
3	60	57	55	54	52	51	50	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	104
4	57	55	53	52	50	49	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	101
5	72	71	70	69	68	66	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	101
6	77	75	75	73	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	98
7	75	73	72	69	68	66	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	113
8	71	70	68	66	65	63	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	113
9	80	78	77	75	73	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	105
10	75	73	72	70	67	65	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	111
11	76	74	70	68	66	66	65	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	110
12	75	72	70	68	66	65	63	62	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	116
13	71	68	66	64	63	62	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	116
14	67	67	64	64	64	61	59	58	58	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	110
15	67	64	62	61	59	56	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	110
16	62	59	57	55	54	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	106
17	73	73	73	72	70	69	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	100
18	76	72	69	67	65	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	109
19	67	65	63	60	59	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	112
20	72	70	69	66	64	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	107
21	73	70	68	66	63	61	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	113
22	76	76	75	74	72	70	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	113
23	81	79	77	76	74	73	71	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	109
24	77	74	71	69	67	65	63	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	118
25	73	70	68	65	63	61	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	122
26	71	69	66	65	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	117
27	70	68	66	64	61	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	114
28	73	71	70	68	64	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	113
29	82	80	79	78	76	75	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	104
30	87	84	82	82	80	77	76	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	114
31	88	87	85	83	82	78	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	114

MEAN MINIMUM TEMPERATURE IS 59.8 STANDARD DEVIATION IS 8.00  
MEAN MAXIMUM TEMPERATURE IS 110.3 STANDARD DEVIATION IS 5.96

ASROC MOTOR IN CONTAINER CHANNEL 27  
TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 4.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	51	49	47	45	43	42	41	51	64	85	91	93	97	101	101	100	98	94	82	71	65	61	57	54	41	101	
2	51	49	47	45	43	41	41	51	68	86	96	103	103	103	103	103	99	92	82	76	71	69	65	62	41	106	
3	50	57	54	52	51	49	52	61	83	95	102	105	105	104	104	104	101	99	95	83	74	70	68	66	67	49	105
4	59	56	56	54	53	52	56	64	85	97	99	106	107	110	110	107	106	107	101	87	78	72	68	65	61	52	110
5	59	56	56	55	52	50	48	54	62	84	97	106	110	107	113	112	110	107	101	86	79	74	70	67	63	48	113
6	61	58	56	55	53	51	53	63	84	98	106	104	108	105	95	86	85	80	77	74	72	70	67	63	51	108	
7	61	60	57	56	55	55	57	62	74	87	96	101	104	101	95	87	76	70	67	54	61	60	55	55	50	105	
8	57	54	52	50	49	46	51	61	80	91	98	103	107	109	107	105	103	98	85	77	73	70	65	62	46	109	
9	59	56	55	53	51	49	55	65	82	91	100	103	106	110	110	103	97	91	82	76	73	70	68	68	49	110	
10	66	65	64	63	62	61	63	70	81	88	92	96	97	97	95	92	90	86	78	74	71	69	68	64	64	61	97
11	62	61	60	56	53	51	57	67	81	92	98	104	110	112	109	104	99	92	85	78	76	73	69	66	51	112	
12	62	60	57	55	53	52	58	70	88	98	106	108	111	111	111	110	107	101	90	83	79	75	71	67	52	113	
13	65	62	59	57	55	53	60	71	83	90	104	104	93	87	89	91	83	83	76	72	70	69	68	67	53	104	
14	65	63	62	62	61	60	59	57	67	68	65	73	78	81	73	74	72	70	66	61	61	60	58	57	57	81	
15	55	55	52	51	50	56	58	85	93	98	105	113	113	111	111	110	106	100	88	81	77	73	70	67	50	113	
16	65	61	61	59	56	55	55	61	67	84	92	97	109	109	110	110	104	98	92	85	78	74	72	70	68	55	
17	65	62	60	57	56	55	59	63	72	71	75	79	80	78	75	74	73	66	61	58	55	52	50	49	49	80	
18	48	47	46	45	45	44	50	58	73	82	91	94	96	81	89	86	83	76	68	61	58	57	54	53	44	96	
19	51	49	49	49	48	47	52	61	78	83	92	96	100	97	97	94	90	84	75	69	66	63	60	59	47	100	
20	56	54	53	51	50	51	56	70	80	82	83	87	81	77	75	75	69	63	61	59	57	56	54	54	50	83	
21	53	52	51	51	48	46	54	59	67	73	73	76	77	79	80	80	78	75	64	58	55	53	51	50	46	80	
22	49	48	47	46	45	43	52	61	76	85	95	97	99	98	97	96	84	75	70	66	62	60	57	57	43	99	
23	56	56	54	51	49	47	56	68	83	93	97	101	102	104	100	95	91	85	77	70	67	65	62	61	47	104	
24	61	60	59	57	56	55	59	64	73	80	87	86	82	80	76	72	68	63	59	57	55	53	51	51	51	87	
25	50	49	48	47	45	45	49	59	70	80	90	93	93	89	88	83	78	74	67	61	58	54	52	52	45	93	
26	51	51	51	49	46	45	52	62	75	85	91	93	95	97	96	93	81	78	70	66	61	58	55	45	45	97	
27	53	51	49	48	46	45	54	68	85	94	100	103	104	108	104	104	104	97	87	78	73	69	66	63	45	108	
28	62	60	57	56	54	53	51	61	73	86	98	104	108	107	98	95	98	93	84	77	73	70	68	65	51	108	
29	62	59	56	54	53	51	59	73	89	98	105	111	113	111	112	112	110	94	85	80	77	73	70	51	113		
30	67	62	60	58	56	55	63	78	94	99	103	109	116	116	112	109	107	102	92	84	79	78	75	55	55	116	

MEAN MINIMUM TEMPERATURE IS 49.3 STANDARD DEVIATION IS 4.67  
MEAN MAXIMUM TEMPERATURE IS 102.1 STANDARD DEVIATION IS 10.83

NWC TP 5039  
Part 2

NWC TP 5039  
Part 2

AEROC MOTOR IN CONTAINER CHANNEL 27  
TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 5.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	73	70	66	63	61	60	58	64	80	100	99	106	114	118	116	113	111	104	97	88	82	78	73	58	116		
2	70	67	66	63	60	59	59	65	75	80	88	92	94	101	98	95	91	87	80	72	69	66	64	59	101		
3	62	61	59	57	53	54	54	60	69	77	86	91	95	96	95	92	90	84	78	70	66	63	61	60	53	96	
4	50	59	58	56	55	54	54	54	57	73	88	93	100	105	105	104	104	98	92	84	75	71	68	65	54	111	
5	61	60	57	56	52	52	55	52	55	72	85	99	102	108	109	102	101	100	93	86	78	73	70	69	66	52	109
6	65	63	60	59	58	58	58	58	59	60	61	62	60	61	62	60	61	78	76	63	66	63	61	59	57	56	78
7	54	53	53	53	51	51	51	51	52	58	82	88	97	98	94	96	91	81	75	73	78	73	67	64	62	58	101
8	56	54	52	51	49	48	48	48	57	71	82	93	100	102	104	105	105	103	94	91	83	74	71	68	65	58	105
9	62	60	58	56	54	52	52	52	62	75	89	99	107	109	113	115	115	100	96	90	83	79	77	73	52	115	
10	71	70	69	66	63	65	65	65	70	85	101	114	114	114	114	114	114	106	105	105	88	85	82	77	73	63	
11	67	65	65	62	60	59	59	70	75	99	104	112	116	111	112	113	113	98	88	85	81	78	77	76	59	116	
12	74	73	72	70	69	67	66	73	87	101	110	118	121	123	119	120	119	113	100	91	85	83	79	77	66	123	
13	78	76	75	73	72	69	69	72	76	89	96	104	104	110	111	111	111	108	104	99	90	85	82	79	77	69	111
14	74	73	70	67	65	63	62	73	88	101	109	115	117	121	123	122	122	112	102	92	87	83	80	78	76	62	124
15	78	74	72	70	68	66	66	76	88	102	110	115	119	123	126	126	124	118	110	102	93	88	85	83	80	66	
16	82	80	78	78	77	76	75	83	86	107	118	122	125	117	115	111	107	101	93	85	81	78	75	72	66	125	
17	73	71	69	66	63	62	61	61	70	91	98	103	106	107	110	109	107	103	99	93	82	76	70	67	61	110	
18	65	62	60	58	56	55	53	61	75	91	99	103	105	112	111	110	113	105	99	96	89	79	76	72	67	113	
19	68	66	63	62	58	56	55	62	78	92	102	110	114	115	115	110	111	111	101	99	93	89	80	77	75	55	
20	74	72	70	67	66	63	61	61	80	94	106	114	117	118	122	120	119	105	101	97	92	84	80	77	75	61	
21	73	71	69	68	65	62	60	62	68	71	74	78	80	82	85	87	85	84	83	77	70	65	61	59	59	87	
22	57	56	56	54	53	52	53	58	71	87	92	100	105	108	110	111	110	107	103	98	86	82	78	76	52	111	
23	71	69	66	63	61	59	60	61	61	81	95	104	114	113	116	118	119	119	113	106	94	86	82	78	76	59	119
24	76	73	70	68	66	64	62	70	85	98	107	113	117	122	123	121	120	118	114	107	96	90	86	83	80	62	123
25	80	78	76	73	70	68	66	73	87	101	113	116	121	124	125	123	121	116	110	104	95	89	85	82	76	66	
26	79	77	75	73	72	70	68	73	85	90	96	102	106	106	107	105	101	97	90	84	79	74	71	68	64	107	
27	65	62	61	58	57	56	56	57	62	71	82	88	93	88	82	85	85	83	78	67	62	60	57	56	56	53	93
28	56	56	55	55	53	51	52	54	58	74	87	101	105	104	104	104	104	99	98	94	93	90	78	71	68	65	105
29	62	61	59	56	56	54	53	59	75	87	90	100	106	106	106	105	103	103	97	92	86	78	74	70	69	53	109
30	65	62	61	58	56	55	54	60	72	86	96	102	107	112	105	103	98	94	90	84	78	73	70	68	54	112	
31	67	65	63	62	61	59	59	60	70	72	78	85	92	90	89	86	85	82	76	70	66	63	61	59	59	92	

MEAN MINIMUM TEMPERATURE IS 58.5 STANDARD DEVIATION IS 6.34  
MEAN MAXIMUM TEMPERATURE IS 110.1 STANDARD DEVIATION IS 11.80

ASROC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	60	57	55	54	52	50	48	45	45	45	45	44	44	44	44	44	44	44	44	44	44	44	44	44	44	110	
2	67	65	62	61	59	57	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	55	105
3	64	62	61	58	55	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	118
4	70	68	66	65	63	62	61	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	116
5	74	72	71	70	67	65	62	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	123
6	78	76	73	70	68	66	65	70	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	126
7	82	78	75	72	70	67	66	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	128
8	85	82	80	77	75	73	70	76	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	128
9	83	80	77	74	77	71	70	73	83	92	100	107	116	121	124	125	127	127	127	127	127	127	127	127	127	129	
10	75	73	70	68	66	63	62	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	124
11	73	71	68	66	63	62	61	61	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	124
12	85	92	78	75	72	70	69	74	90	103	109	117	122	124	127	127	127	127	127	127	127	127	127	127	127	127	
13	85	86	82	80	79	78	76	79	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	127
14	82	80	78	75	73	71	69	74	91	105	114	120	125	131	131	130	125	125	125	125	125	125	125	125	125	130	
15	85	84	82	79	77	75	71	70	94	108	118	126	131	134	136	137	135	131	128	128	128	128	128	128	128	128	
16	92	89	84	83	80	77	75	80	95	105	111	116	120	124	129	132	129	122	117	117	117	117	117	117	117	116	
17	92	87	85	82	79	77	76	81	95	106	114	125	130	134	134	130	126	121	114	112	112	112	112	112	112	124	
18	85	82	80	78	74	73	72	74	95	108	117	123	128	133	135	133	126	122	118	113	113	113	113	113	113	127	
19	86	85	82	81	78	77	74	78	90	105	110	120	125	131	134	132	127	121	116	111	103	103	103	103	103	135	
20	85	84	80	78	75	73	71	76	94	107	117	124	127	130	134	135	133	131	127	123	111	101	97	97	97	135	
21	89	85	83	81	79	76	74	74	89	97	108	114	124	132	134	134	129	126	122	116	107	99	95	92	92	136	
22	89	86	85	82	79	76	73	78	95	110	120	128	133	134	135	133	129	124	116	110	106	101	96	93	93	135	
23	80	87	85	82	78	74	76	80	94	110	116	123	128	134	134	131	128	123	119	114	106	98	95	91	91	134	
24	89	86	84	81	78	77	74	78	92	106	116	123	128	132	132	127	121	116	111	103	103	103	103	103	103	128	
25	89	87	85	83	82	81	84	85	95	104	112	116	120	121	121	118	116	112	107	100	94	91	89	89	89	121	
26	87	85	83	82	80	79	78	77	82	92	100	109	112	114	116	116	113	110	106	102	95	90	87	85	85	116	
27	83	82	81	79	78	77	76	87	94	100	106	111	112	111	110	107	104	101	97	90	85	82	80	77	77	112	
28	79	77	76	75	74	73	72	75	86	100	107	113	120	123	123	122	115	110	107	103	98	91	85	82	80	72	
29	78	75	73	71	69	66	65	70	85	96	106	111	116	121	124	124	121	120	116	105	95	91	87	85	85	125	
30	83	80	78	74	72	70	68	72	89	102	113	120	126	127	128	130	127	123	118	106	98	93	89	88	88	130	

MEAN MINIMUM TEMPERATURE IS 69.0  
MEAN MAXIMUM TEMPERATURE IS 126.0

STANDARD DEVIATION IS 7.97  
STANDARD DEVIATION IS 8.64

40 ASROC MOTOR IN CONTAINER CHANNEL 27  
TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	87	84	82	78	76	73	72	76	99	105	117	124	131	132	132	129	125	123	117	105	98	95	90	72	132		
2	87	85	82	79	77	75	73	72	92	101	109	112	123	128	129	130	124	120	114	109	100	95	92	89	73	130	
3	87	85	83	80	77	75	73	71	88	99	107	116	123	127	130	129	124	118	112	103	97	93	90	73	130		
4	87	85	82	80	77	74	73	77	89	109	105	112	121	126	131	132	131	127	122	117	112	103	97	93	91	73	
5	88	87	85	80	78	75	73	77	92	103	113	121	124	130	134	131	129	120	121	112	104	97	93	90	73	132	
6	88	86	84	81	80	77	73	78	91	103	113	118	126	120	129	130	131	125	113	105	98	94	91	73	134		
7	89	87	85	82	79	76	73	78	90	100	110	118	125	131	132	129	126	122	118	113	103	96	92	89	73	131	
8	87	85	83	81	80	77	74	91	102	112	121	127	130	131	128	122	117	112	102	96	92	89	73	132			
9	86	83	80	78	76	73	71	76	92	106	116	122	127	131	133	126	121	114	104	97	94	91	73	135			
10	88	86	84	82	80	79	78	82	94	102	111	121	126	130	133	127	121	117	112	103	95	90	86	73	133		
11	85	82	79	77	74	72	71	76	90	104	114	121	127	131	131	129	128	124	119	108	101	95	93	71	133		
12	90	87	84	82	80	78	75	80	96	109	119	127	132	129	129	129	127	125	121	117	104	103	99	95	75	132	
13	92	88	86	84	82	81	79	83	98	111	121	129	133	136	137	134	132	131	128	121	113	106	101	97	79	137	
14	94	92	89	86	84	81	79	85	95	101	114	123	130	130	130	139	137	135	124	116	112	106	102	98	80	141	
15	96	94	92	89	88	85	83	85	98	109	121	127	130	139	124	125	112	117	112	103	105	99	95	93	85	139	
16	91	90	88	86	84	82	80	84	98	111	121	128	134	135	132	136	135	129	127	120	105	101	98	95	93	80	136
17	96	93	92	89	88	85	84	84	92	96	102	95	93	94	98	113	101	101	104	97	90	88	85	82	82	113	
18	84	82	82	80	79	78	76	80	96	109	118	125	131	132	130	136	136	130	126	117	108	103	99	96	82	136	
19	93	92	89	88	85	84	82	85	91	101	109	126	132	136	130	122	129	127	120	110	104	101	97	82	136		
20	95	93	92	88	86	83	82	87	100	113	121	130	134	138	140	137	135	135	125	119	112	107	103	101	82	140	
21	99	98	97	95	93	91	90	91	96	103	103	115	112	120	124	133	136	121	109	105	101	98	95	93	80	136	
22	91	89	88	86	84	83	82	85	99	109	123	121	132	136	131	126	136	140	139	121	123	119	110	104	101	98	
23	96	95	93	91	88	86	84	84	99	110	121	129	134	137	139	131	137	133	129	121	112	105	102	99	84	139	
24	95	93	90	88	85	82	80	84	97	109	119	127	133	137	137	131	129	124	118	109	102	99	96	80	137		
25	93	91	87	85	83	81	79	84	96	109	121	128	132	135	133	131	130	129	123	118	109	104	100	98	79	135	
26	93	91	89	85	82	81	78	84	97	110	118	125	130	137	139	138	135	134	128	121	112	106	102	98	78	139	
27	95	91	88	85	82	80	78	84	96	110	119	126	132	138	140	139	136	133	126	115	108	104	100	98	78	140	
28	96	92	89	87	85	82	80	84	97	112	123	128	134	139	141	137	136	131	129	123	114	108	104	101	80	141	
29	98	96	93	90	88	85	82	88	98	100	115	122	128	136	139	140	143	139	137	131	124	115	109	106	103	83	143
30	100	96	93	90	87	85	84	87	98	112	122	129	133	137	137	131	126	117	110	106	102	99	84	137			
31	95	93	90	89	87	85	83	87	98	112	120	127	130	136	137	134	135	136	132	124	113	108	104	101	83	137	

MEAN MINIMUM TEMPERATURE IS 7A.3 STANDARD DEVIATION IS 4.85  
MEAN MAXIMUM TEMPERATURE IS 135.1 STANDARD DEVIATION IS 5.41

ASRAC MOTOR IN CONTAINER      CHANNEL 27  
TIP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 8.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	99	95	92	89	87	85	83	88	90	91	94	124	132	139	140	143	143	136	123	121	116	111	107	104	102	83	143	
2	101	99	95	92	91	90	88	86	87	83	86	101	117	124	130	136	137	140	140	139	134	122	115	107	104	101	98	140
3	96	93	91	88	87	84	83	86	97	91	90	106	110	122	127	132	135	137	134	131	127	123	116	106	103	100	97	137
4	95	92	91	89	88	86	84	86	94	104	108	113	128	136	136	136	134	128	129	117	116	106	103	100	96	84	136	
5	94	92	91	90	88	87	85	86	98	109	116	124	126	131	134	135	136	134	123	117	109	104	100	96	85	85	136	
6	94	92	91	89	88	85	83	86	96	107	118	126	126	136	136	131	135	128	126	116	108	103	99	95	83	83	136	
7	94	92	91	89	88	86	84	85	96	107	118	125	131	135	135	133	130	127	122	117	107	101	98	95	83	83	135	
8	92	89	88	85	82	80	79	82	94	107	117	127	131	134	137	138	137	134	129	122	111	106	102	98	94	83	79	138
9	97	95	92	91	88	85	83	86	97	112	120	129	132	137	137	138	137	137	137	136	132	107	103	99	95	83	83	138
10	93	90	88	87	85	83	82	87	97	113	124	131	134	131	131	134	131	135	137	135	134	126	118	110	102	100	82	137
11	98	95	92	89	87	85	83	85	93	106	117	124	130	130	133	135	137	136	133	129	116	108	102	98	95	83	83	137
12	95	92	91	89	87	85	84	82	94	108	118	127	131	135	137	137	135	133	124	119	110	105	101	98	92	82	82	137
13	97	95	93	92	88	86	83	86	96	106	119	126	130	134	134	134	132	127	121	114	106	102	98	96	83	83	134	
14	93	90	88	85	83	82	80	82	85	101	113	122	127	130	132	135	134	121	116	110	102	98	95	92	80	80	135	
15	90	87	85	84	83	82	81	84	91	107	119	124	129	132	134	132	132	129	121	110	104	100	97	94	81	81	134	
16	97	89	87	85	83	81	80	82	91	105	116	124	129	133	137	137	135	129	126	118	107	102	98	95	80	80	137	
17	92	90	88	86	85	83	82	86	92	107	118	127	132	137	137	135	129	125	121	115	105	100	96	93	81	81	137	
18	91	89	87	85	83	82	81	82	82	90	104	113	119	125	129	134	133	129	126	121	114	104	100	98	93	78	134	
19	90	88	85	83	82	81	81	82	88	111	116	118	126	134	134	133	127	127	122	116	105	101	98	95	81	81	134	
20	92	89	86	83	82	80	78	81	86	98	110	115	120	128	129	128	126	122	118	110	101	96	92	85	78	129		
21	86	84	82	79	77	74	72	76	84	97	107	113	120	123	129	131	126	120	115	109	99	93	80	87	72	131		
22	85	83	80	77	75	73	71	75	81	95	107	117	122	124	126	127	124	121	113	100	95	91	88	84	81	81	137	
23	85	82	79	76	74	73	71	73	83	95	111	117	116	117	125	117	117	110	107	100	97	91	81	81	71	125		
24	87	86	85	84	82	81	81	82	83	91	105	110	102	95	100	116	102	95	95	95	91	88	86	83	81	81	116	
25	82	81	78	77	76	74	73	77	84	101	113	121	125	129	130	129	126	123	120	111	102	98	95	92	73	130		
26	89	86	84	82	80	80	78	79	84	101	113	123	128	133	133	128	126	123	123	116	104	99	95	93	78	133		
27	89	87	85	83	80	78	77	78	85	100	116	121	125	129	131	131	134	128	128	117	107	101	98	95	77	134		
28	92	89	87	85	82	81	79	81	81	88	103	99	117	110	116	117	130	127	125	118	108	101	97	94	79	79	130	
29	90	88	86	84	81	81	79	80	87	103	113	122	126	129	127	126	126	123	118	110	101	98	95	92	79	129		
30	90	88	86	83	80	77	74	77	84	101	113	115	118	120	118	117	114	114	118	112	102	94	89	86	83	74	120	
31	81	78	77	75	73	72	71	78	90	102	113	117	115	120	121	121	119	114	104	95	90	86	83	70	71	121		

MEAN MINIMUM TEMPERATURE IS 79.5    STANDARD DEVIATION IS 4.50  
MEAN MAXIMUM TEMPERATURE IS 132.9    STANDARD DEVIATION IS 6.03

NWC TP 5030

Part 2

ASROC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 9.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	81	78	76	74	72	70	68	70	78	95	106	114	121	124	127	123	120	117	113	102	95	91	87	83	68	127	
2	81	78	76	74	72	70	69	75	83	95	108	113	119	121	119	117	114	110	105	97	92	88	86	84	69	121	
3	82	81	79	76	73	71	70	75	84	101	110	116	120	123	123	121	118	113	101	92	88	84	81	70	123		
4	78	76	73	72	70	69	66	74	82	101	110	116	119	121	123	123	122	118	115	102	94	89	86	85	66	122	
5	81	78	77	75	74	72	70	70	72	84	102	113	117	121	123	125	123	121	118	112	102	97	93	91	88	70	125
6	85	83	80	79	77	75	73	79	87	104	115	104	95	82	81	82	85	86	85	81	79	78	77	74	73	115	
7	73	73	71	70	69	67	64	71	78	98	107	114	117	121	124	123	121	120	116	103	94	89	86	83	64	123	
8	80	78	75	73	71	70	68	75	82	97	111	117	121	125	126	126	125	121	116	105	98	94	92	90	68	126	
9	88	85	82	81	79	78	77	82	89	106	117	124	128	130	129	128	127	125	119	109	104	101	97	94	77	130	
10	92	89	87	85	84	82	81	83	91	110	121	128	132	133	150	***	***	***	***	***	***	***	***	150	94	81	150
11	92	90	88	85	84	82	81	84	92	110	120	126	132	130	150	***	***	***	***	***	***	***	***	150	135	81	150
12	92	89	88	86	84	82	80	86	93	110	122	128	131	132	130	132	130	128	125	112	108	107	102	101	80	120	
13	90	90	88	85	84	82	82	87	95	96	106	131	124	129	136	135	132	128	125	112	108	107	102	101	82	136	
14	96	97	95	92	90	88	85	88	95	113	126	131	137	139	140	138	137	133	127	113	107	103	101	98	85	140	
15	97	96	95	93	92	90	89	91	97	110	126	128	134	139	138	139	137	134	128	117	110	107	103	99	89	139	
16	97	96	95	92	90	88	86	86	96	95	107	120	127	133	136	140	134	126	122	117	109	105	102	99	86	140	
17	97	95	93	89	88	87	86	86	91	100	107	112	116	118	117	116	114	111	106	97	91	87	83	80	80	118	
18	77	74	72	70	68	67	65	75	86	92	98	101	104	106	104	101	97	88	81	77	73	71	65	66	57	116	
19	68	65	61	59	57	56	53	67	82	97	104	110	112	114	113	112	109	105	91	84	80	78	75	53	114		
20	72	70	68	65	61	59	58	69	82	99	105	110	112	116	111	107	104	99	92	86	83	80	77	57	116		
21	74	72	71	68	67	66	66	72	85	97	104	109	113	114	113	111	106	101	90	83	79	76	73	62	114		
22	71	69	67	65	61	59	59	70	83	100	107	107	112	110	109	106	102	90	84	80	76	73	59	112			
23	72	70	67	62	60	59	57	70	83	99	109	113	115	116	117	116	113	108	94	88	84	80	76	57	117		
24	73	70	67	65	62	61	59	59	70	83	99	107	111	110	108	110	109	105	103	98	88	86	80	77	59	111	
25	71	68	68	68	66	63	62	61	74	84	90	92	94	93	90	87	85	76	72	70	68	63	61	94	61	114	
26	51	59	58	56	54	53	52	51	60	71	85	92	90	91	89	87	84	80	73	71	69	67	66	51	92	51	114
27	65	62	61	61	59	58	57	56	63	75	89	97	102	104	103	100	95	82	75	73	69	66	64	56	56	104	
28	61	61	59	56	54	52	51	50	50	73	87	95	99	99	99	96	94	88	79	74	71	69	67	50	50	92	
29	65	60	59	58	56	54	52	50	61	69	68	91	93	99	97	95	93	90	82	77	74	72	71	50	50	91	
30	69	68	66	65	62	61	60	67	71	78	79	82	83	81	79	78	75	68	63	60	58	56	56	56	56	83	

MEAN MINIMUM TEMPERATURE IS 67.5 STANDARD DEVIATION IS 11.67  
MEAN MAXIMUM TEMPERATURE IS 119.9 STANDARD DEVIATION IS 17.41

## ASROC MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	53	52	50	69	47	45	44	43	55	67	82	91	95	99	98	96	93	98	75	69	65	60	57	43	99		
2	56	54	52	50	48	47	46	44	56	69	85	95	98	98	98	98	100	97	92	78	73	69	67	65	44	100	
3	61	58	56	54	52	51	49	48	60	72	87	95	97	99	101	99	98	96	92	81	75	71	69	66	48	101	
4	63	61	59	58	56	55	53	52	66	77	94	97	101	103	105	104	104	102	98	86	80	77	73	71	52	105	
5	68	66	65	63	61	59	57	56	70	79	96	102	105	105	106	106	106	103	98	88	82	78	74	71	56	106	
6	69	67	65	62	61	59	57	57	70	81	97	106	110	110	111	110	109	107	102	89	84	80	76	74	57	111	
7	72	70	67	66	62	61	61	60	72	82	97	107	111	112	113	113	113	110	104	90	84	81	78	76	57	114	
8	73	71	69	67	65	62	61	60	72	82	98	107	111	112	114	113	113	110	104	92	86	83	80	77	60	114	
9	75	73	71	68	66	65	63	61	73	82	98	107	113	115	116	114	113	111	105	93	88	84	81	78	61	116	
10	77	74	72	69	67	66	65	61	74	82	97	107	114	116	120	118	116	115	109	95	89	85	82	78	61	120	
11	76	74	73	70	68	66	63	61	73	82	95	105	115	116	116	115	117	113	107	94	88	84	81	78	61	119	
12	79	76	73	71	70	69	68	67	76	83	98	107	112	117	119	118	115	115	112	108	102	94	90	87	85	67	119
13	77	74	72	70	68	66	63	61	73	81	98	108	112	115	115	115	115	112	108	102	90	87	85	82	61	115	
14	81	78	76	74	72	70	69	66	75	83	88	97	103	104	104	104	103	102	100	98	93	86	83	82	80	75	104
15	76	75	74	72	70	69	67	65	70	73	80	84	87	88	85	84	82	82	75	71	66	63	61	60	60	68	104
16	57	55	53	51	50	49	48	48	52	56	65	70	72	73	75	73	70	62	52	52	51	49	48	48	48	75	
17	46	45	43	41	40	39	38	36	42	51	68	77	82	85	86	85	84	80	70	61	57	55	53	52	36	86	
18	51	50	48	45	43	41	40	39	48	57	69	80	84	86	88	88	85	83	76	63	59	56	53	51	32	88	
19	49	47	45	44	42	41	40	39	48	57	74	84	88	91	91	90	88	85	78	68	63	61	57	55	39	91	
20	53	50	49	47	45	44	43	42	52	61	76	85	92	94	93	93	90	88	82	77	73	68	62	60	57	62	94
21	56	54	52	51	50	48	47	45	54	61	78	90	96	95	95	95	93	85	73	69	65	62	60	45	96	100	
22	57	55	53	51	49	47	45	44	54	62	79	90	96	96	95	95	93	84	74	70	67	66	64	62	52	69	
23	58	56	55	53	52	51	50	47	56	65	80	90	91	90	88	87	85	75	71	69	66	65	63	61	47	91	
24	61	61	59	58	57	55	54	52	56	61	72	77	81	79	83	81	78	78	71	64	60	57	56	55	54	83	
25	53	50	48	46	45	45	44	43	46	47	55	62	66	70	79	76	75	77	60	58	57	56	54	53	45	79	
26	51	51	50	49	46	45	43	42	49	58	73	85	91	93	94	92	92	87	78	71	67	65	61	59	52	95	
27	57	56	54	53	51	50	49	47	55	63	75	86	92	85	84	82	78	75	69	66	63	61	60	59	47	92	
28	58	56	55	53	52	51	50	48	48	49	50	50	54	58	66	69	62	54	49	46	45	43	42	42	42	69	
29	41	40	39	39	37	35	34	33	37	43	55	67	71	74	75	74	73	71	59	51	48	45	42	41	34	75	
30	38	36	34	33	32	30	29	28	34	44	58	71	75	78	77	76	73	72	62	55	51	47	46	44	28	78	
31	44	43	41	39	38	36	35	33	37	46	59	73	80	81	80	78	75	75	65	57	52	50	48	45	33	81	

MEAN MINIMUM TEMPERATURE IS 40.3 STANDARD DEVIATION IS 10.94

MEAN MAXIMUM TEMPERATURE IS 96.9 STANDARD DEVIATION IS 14.95

NWC TP 5039  
Part 2

NWC TP 5039

Part 2

AIR IN MOTOR IN CONTAINER CHANNEL 27

TOP OUTSIDE SKIN OF MOTOR

YEAR IS 1971. MONTH IS 11.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS INDICATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	43	41	39	37	35	34	33	41	51	61	80	83	83	81	76	63	57	53	51	48	46	45	45	33	43	
2	42	41	39	38	36	35	34	50	55	70	79	82	83	83	81	78	66	61	57	54	51	49	46	34	43	
3	45	43	42	40	39	37	37	51	57	73	82	88	90	91	89	84	70	64	59	56	53	51	48	37	41	
4	46	45	43	41	40	39	38	53	59	73	82	86	91	90	89	83	71	66	62	61	58	56	55	38	41	
5	54	53	52	51	50	49	47	54	65	81	81	83	94	94	93	90	87	73	68	65	61	58	56	55	47	
6	52	51	50	48	48	46	46	57	62	79	84	87	88	87	86	82	70	63	60	56	52	51	46	48		
7	40	47	45	44	42	40	40	52	57	73	82	88	90	90	88	82	72	67	67	65	63	62	61	40	40	
8	60	56	55	51	49	47	45	55	61	74	85	86	91	86	85	84	75	68	64	60	57	55	53	45	41	
9	50	49	47	46	45	44	43	53	59	64	74	76	84	85	85	80	72	65	61	58	56	54	51	43	45	
10	47	46	45	44	42	41	40	48	58	73	79	82	84	84	85	80	78	69	65	61	59	57	56	40	48	
11	53	53	52	52	51	51	51	58	64	70	76	77	74	72	70	68	67	65	64	63	61	60	51	79		
12	60	59	59	58	58	57	60	62	68	71	73	72	68	67	63	58	55	54	53	51	48	46	46	73		
13	44	43	41	40	39	38	37	46	52	59	64	75	80	81	75	71	67	61	57	56	53	52	50	37	41	
14	49	48	45	44	42	41	40	48	52	65	77	80	80	79	78	72	59	55	51	49	50	47	45	40	40	
15	43	45	45	45	42	40	39	47	53	65	70	76	73	72	69	65	59	56	54	53	51	51	39	76		
16	51	50	49	49	48	47	47	51	52	67	76	78	74	74	70	70	55	52	50	49	47	45	45	78		
17	47	40	47	38	37	35	35	42	49	63	73	75	76	75	76	75	70	58	52	49	46	45	43	37	76	
18	41	40	38	37	35	37	37	38	41	45	60	58	58	58	57	57	52	48	46	45	46	44	43	35	60	
19	40	38	37	36	35	36	34	42	50	62	68	69	70	70	68	63	56	52	49	46	45	43	34	70		
20	42	41	39	38	38	40	40	45	59	69	78	78	73	71	68	61	56	53	51	48	47	45	44	38	78	
21	43	42	41	40	38	37	34	46	55	60	63	63	62	61	59	54	52	49	46	45	43	41	36	63		
22	40	39	38	36	35	34	33	41	44	56	62	70	75	76	76	74	69	58	53	50	48	46	42	33	76	
23	40	37	36	35	34	33	33	40	50	61	73	78	76	74	74	70	77	71	66	56	52	50	48	33	80	
24	43	40	38	37	36	35	41	51	61	73	78	79	79	78	73	61	56	53	51	48	46	45	35	79		
25	43	42	40	39	40	38	36	41	51	63	73	80	80	80	79	77	70	60	56	53	51	49	47	45	36	
26	44	42	41	40	38	37	36	40	51	60	67	77	78	80	75	73	68	62	60	56	54	52	50	47	36	
27	46	45	43	43	41	40	40	45	56	61	72	73	75	76	75	73	69	60	56	54	52	51	48	46	36	
28	45	43	42	40	40	39	38	38	48	60	67	68	67	66	64	64	60	56	54	53	51	49	45	38	68	
29	55	54	53	52	51	51	50	52	59	67	77	80	82	83	78	71	61	58	52	51	51	49	45	45	83	
30	44	43	41	41	40	39	39	40	47	47	51	58	77	72	70	69	61	56	52	51	49	48	46	39	77	

MEAN MINIMUM TEMPERATURE IS 39.1 STANDARD DEVIATION IS 4.91  
MEAN MAXIMUM TEMPERATURE IS 79.9 STANDARD DEVIATION IS 8.10

WASRIC MOTOR IN CONTAINER  
CHANNEL 26  
SHELL GRAIN TOP

YEAR IS 1971. MONTH IS 1.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	47	45	44	43	43	42	41	40	39	38	37	36	35	34	34	35	36	37	38	39	40	41	42	43	37	60
2	49	47	46	46	46	46	46	45	45	45	44	44	43	43	43	43	43	43	43	43	43	43	43	43	42	49
3	41	40	39	38	37	36	36	35	34	34	34	34	33	32	32	31	30	30	30	30	30	30	30	30	30	34
4	30	37	36	34	33	31	30	29	28	27	26	25	24	23	22	22	21	20	19	18	17	16	15	14	13	50
5	34	32	31	29	28	27	26	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	47
6	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	49
7	34	33	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	51
8	32	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	51
9	37	35	34	33	32	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	51
10	41	39	38	36	35	34	32	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	54
11	43	41	40	39	37	35	34	33	32	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	57
12	40	42	47	46	46	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	58
13	40	47	44	45	44	43	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	56
14	44	47	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	56
15	46	44	42	41	40	39	38	37	36	35	34	33	32	31	30	30	30	30	30	30	30	30	30	30	30	56
16	50	47	45	43	42	40	39	38	37	36	35	34	33	32	31	30	30	30	30	30	30	30	30	30	30	58
17	53	51	49	47	46	45	44	42	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	58
18	52	56	54	52	51	49	48	47	46	45	45	44	43	43	43	43	43	43	43	43	43	43	43	43	43	56
19	64	62	60	58	56	55	54	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	60
20	66	64	62	60	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	59
21	71	69	67	65	63	61	60	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	75
22	63	61	60	58	57	55	53	51	50	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	75
23	60	57	55	53	51	49	48	46	45	43	42	41	40	40	40	40	40	40	40	40	40	40	40	40	40	68
24	58	55	53	51	49	47	46	44	43	41	40	40	39	37	36	35	34	33	32	31	30	29	28	27	26	68
25	57	54	52	50	48	47	47	46	45	44	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	67
26	60	57	54	52	50	48	47	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	70
27	62	59	57	55	53	51	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	71
28	64	61	59	55	53	51	50	48	47	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	75
29	62	59	57	55	53	51	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	74
30	63	60	57	55	53	51	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	74
31	63	60	57	55	53	51	49	47	46	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	74	

MEAN MINIMUM TEMPERATURE IS 37.5 STANDARD DEVIATION IS 7.84  
MEAN MAXIMUM TEMPERATURE IS 63.0 STANDARD DEVIATION IS 10.07

NWC TP 5039

Part 2

AIR IN CONTAINER CHANNEL 26  
SHELL GRAIN TOP

YEAR IS 1971. MONTH IS 2.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	60	58	56	54	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	45	74
2	65	62	60	57	55	53	52	50	48	46	45	44	43	42	41	40	39	38	37	36	35	34	33	43	72
3	63	61	60	59	58	56	55	53	52	50	49	48	47	46	45	44	43	42	41	40	39	38	37	47	71
4	52	54	51	49	47	46	44	43	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	38	69
5	55	53	51	49	47	46	44	43	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	38	68
6	56	54	52	50	49	48	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	41	72
7	62	60	58	56	54	52	51	50	49	48	46	45	44	43	42	41	40	39	38	37	36	35	34	43	73
8	42	50	57	55	53	51	50	49	47	46	44	43	42	41	40	39	38	37	36	35	34	33	32	41	75
9	63	60	58	55	53	51	50	49	46	44	43	42	41	40	39	38	37	36	35	34	33	32	31	43	76
10	65	62	60	56	54	52	50	48	47	45	44	43	42	41	40	39	38	37	36	35	34	33	32	43	75
11	67	64	62	60	58	56	55	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	44	76
12	72	69	67	64	62	60	58	57	56	54	53	52	51	50	49	48	47	46	45	44	43	42	41	52	75
13	67	65	63	60	58	56	55	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	44	75
14	68	65	63	61	59	57	56	54	53	52	50	49	48	47	46	45	44	43	42	41	40	39	38	45	76
15	69	67	65	63	61	59	57	56	54	53	52	50	49	48	47	46	45	44	43	42	41	40	39	45	76
16	61	59	57	55	53	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	45	76
17	53	52	51	50	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	44	73
18	58	55	53	52	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	45	76
19	60	58	56	54	52	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	47	76
20	52	51	50	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	42	64
21	53	51	50	49	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	43	72
22	59	58	57	55	53	51	50	49	47	46	45	45	44	43	42	41	40	39	38	37	36	35	34	45	76
23	58	57	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	45	76
24	57	55	54	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	46	77
25	61	59	56	54	52	50	49	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	46	67
26	54	52	50	48	46	44	42	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	38	66
27	49	46	44	42	40	38	36	35	34	34	33	32	31	30	29	28	27	26	25	24	23	22	21	34	60
28	47	46	44	43	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	59

MEAN MINIMUM TEMPERATURE IS 44.7  
MEAN MAXIMUM TEMPERATURE IS 71.9  
STANDARD DEVIATION IS 4.88  
STANDARD DEVIATION IS 6.76

ASSEN MOTOR IN CONTAINER CHANNEL 26

SHELL GRAIN TOP

YEAR IS 1971. MONTH IS 3.  
 FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS  
 DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	48	47	46	45	44	43	42	41	71	80	87	91	93	95	96	96	94	89	85	82	80	78	76	41	96		
2	72	70	69	67	65	63	61	60	63	68	77	85	90	93	95	96	96	94	89	85	82	79	77	60	96		
3	67	65	62	61	59	57	56	55	58	63	72	81	86	89	90	92	92	90	85	82	80	77	74	55	92		
4	64	62	61	59	57	56	54	52	56	61	70	78	83	85	87	88	89	89	85	82	80	78	75	52	89		
5	74	75	74	73	72	71	70	69	70	71	76	81	87	88	87	86	85	84	82	79	75	72	70	67	88		
6	92	90	79	78	77	76	75	74	77	79	85	89	91	92	92	91	90	89	88	85	82	81	79	78	74	92	
7	82	79	78	76	74	72	71	69	72	76	84	91	95	99	101	102	101	99	93	89	87	85	83	82	69	102	
8	76	75	73	71	69	68	66	65	70	74	83	89	95	98	100	101	101	100	98	94	90	88	85	82	66	101	
9	82	82	81	79	78	77	75	74	74	77	79	81	82	84	90	94	93	92	89	87	85	82	80	78	74	94	
10	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	69	100	
11	13	12	11	10	9	8	7	6	5	4	3	2	1	0	**	95	97	99	100	100	100	100	99	94	91		
12	82	79	77	75	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	
13	74	76	73	72	70	69	67	65	69	73	83	91	96	90	90	90	90	90	90	90	90	90	90	90	90	90	
14	77	74	72	71	69	67	65	63	67	73	82	91	95	98	99	99	99	99	99	99	99	99	99	99	99	99	
15	74	71	70	68	65	64	62	61	65	70	81	89	93	96	97	98	98	98	97	93	93	93	92	91	90	90	
16	71	68	66	63	61	60	59	57	61	67	78	84	91	92	94	95	95	94	90	85	82	79	76	57	95		
17	82	80	79	78	76	74	73	72	73	78	85	92	97	92	92	92	92	91	87	82	80	79	76	73	70	92	
18	70	70	69	67	67	67	67	67	67	70	75	86	93	99	102	105	105	104	100	98	94	91	88	85	82	80	
19	75	73	71	69	67	65	63	61	66	71	81	85	92	98	100	100	100	99	98	94	91	88	85	82	80	78	
20	74	77	75	73	71	70	68	67	70	76	84	91	93	95	96	97	97	96	93	88	84	80	78	74	71	70	
21	80	77	75	73	71	69	67	66	70	74	82	91	95	99	100	101	101	99	97	93	89	86	83	81	76	71	
22	R2	80	79	78	77	75	74	73	75	79	86	92	97	100	101	102	102	101	99	95	90	87	84	82	79	73	
23	A4	A2	A1	79	77	76	75	74	76	83	90	94	97	98	101	101	101	101	99	93	87	85	83	80	76	71	101
24	A5	A2	A0	79	75	73	71	70	73	79	88	95	101	104	106	106	106	105	103	99	95	92	90	88	84	70	106
25	R1	78	74	73	72	70	68	67	70	76	86	93	100	105	107	108	109	108	107	103	98	94	91	88	84	61	100
26	79	76	74	72	70	69	67	66	70	76	86	93	98	100	103	104	104	104	104	103	98	94	91	88	84	67	109
27	76	73	72	70	68	66	64	63	68	73	83	91	97	100	101	102	102	101	97	92	88	84	82	78	64	102	
28	79	77	75	74	72	70	67	65	69	74	83	91	95	99	101	101	101	101	99	95	91	87	84	81	65	101	
29	A7	85	84	83	82	80	78	79	83	89	91	94	97	98	97	96	95	92	88	85	83	81	76	73	70	96	
30	94	92	90	88	87	86	84	82	86	91	97	101	104	105	106	105	104	103	99	96	93	91	88	82	80	107	
31	95	93	92	90	88	86	84	82	86	92	102	80	85	86	86	85	84	80	75	72	68	65	62	62	62	102	

MEAN MINIMUM TEMPERATURE IS 66.0  
 MEAN MAXIMUM TEMPERATURE IS 69.3

STANDARD DEVIATION IS 7.95  
 STANDARD DEVIATION IS 5.22

NWC TP 5039  
 Part 2

ACRIC MONTA IN CONTAINER CHANNEL 26  
SHELL GRAIN TOP

YEAR IS 1971. MONTH IS 4.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	60	57	55	53	51	49	48	51	56	68	74	79	82	85	86	87	88	87	84	78	73	70	66	63	49	49		
2	60	57	55	53	51	49	48	51	57	68	77	84	88	90	91	91	91	89	85	81	78	74	72	70	48	91		
3	67	64	62	60	58	56	55	59	69	78	85	90	92	93	92	91	91	87	82	78	75	73	70	56	93	—		
4	67	65	62	61	59	58	58	58	67	71	81	85	90	93	94	96	97	95	91	85	81	77	73	70	55	97	—	
5	64	65	63	61	58	56	56	60	70	79	88	92	95	97	98	98	98	96	91	86	82	79	76	72	56	98	—	
6	70	67	64	62	60	59	58	61	71	81	86	92	95	93	98	98	98	94	86	84	81	76	75	73	58	95	—	
7	68	65	64	62	61	60	62	62	68	75	82	87	89	91	92	91	90	87	82	78	74	71	69	67	60	92	—	
8	64	62	60	57	56	54	54	58	67	75	82	87	90	92	93	94	93	92	88	83	74	70	66	63	54	94	—	
9	67	65	62	61	58	56	57	61	70	77	84	88	91	94	96	95	92	90	86	82	79	77	74	73	56	96	—	
10	71	70	69	68	67	65	65	68	74	79	83	86	88	88	87	85	82	79	77	74	73	71	65	69	—	—		
11	69	67	66	63	61	59	63	71	78	83	85	95	97	96	94	92	90	84	82	79	76	73	71	58	97	—		
12	71	68	65	63	61	59	60	65	74	82	89	92	95	98	99	99	97	93	88	85	82	79	76	59	99	—		
13	73	70	68	65	63	61	62	67	73	83	88	92	90	97	96	98	84	81	77	75	73	72	71	61	92	—		
14	70	68	67	66	65	64	63	62	64	66	65	68	70	73	72	71	70	69	66	65	63	62	61	61	73	—		
15	60	59	57	56	55	54	54	56	61	69	77	82	87	93	96	97	98	98	96	92	87	83	80	77	74	54	93	—
16	72	70	68	66	64	61	61	65	74	80	85	92	94	97	98	97	95	92	89	84	81	78	76	73	61	98	—	
17	72	70	67	65	62	61	62	63	68	71	73	74	74	73	72	71	69	66	63	61	59	55	55	55	74	—		
18	53	52	51	50	49	48	50	53	61	67	73	74	78	76	78	77	75	72	68	65	62	60	58	56	48	76	—	
19	56	55	54	53	52	51	52	52	56	64	70	76	80	84	85	85	82	78	75	72	69	67	65	63	51	85	—	
20	62	60	59	57	56	55	55	56	61	63	69	72	74	73	74	73	71	68	65	63	61	60	58	54	74	—		
21	57	56	54	53	51	54	56	60	66	70	75	79	81	83	83	83	80	75	72	69	67	64	61	59	57	72	—	
22	54	53	51	49	48	51	54	62	69	77	81	84	85	86	87	83	79	75	72	68	67	64	62	55	74	—		
23	62	61	59	57	55	53	56	60	69	77	82	85	88	89	89	87	85	81	77	73	71	69	67	53	90	—		
24	66	64	63	61	61	59	61	62	68	72	77	78	79	78	77	74	73	70	68	65	62	61	59	57	79	—		
25	55	54	53	52	50	49	50	54	60	67	74	78	81	81	80	78	76	74	71	68	64	61	60	58	49	91	—	
26	56	55	54	53	51	50	52	56	63	70	75	79	81	83	83	83	80	75	72	69	66	63	60	50	93	—		
27	61	58	56	54	53	51	54	56	59	69	77	82	87	89	92	93	94	92	88	84	80	76	73	71	51	94	—	
28	69	67	65	62	60	58	61	66	73	82	88	92	95	96	97	91	89	87	82	79	77	74	72	54	95	—		
29	70	67	65	62	60	58	60	65	75	82	88	94	97	99	99	101	100	96	91	87	84	80	77	58	101	—		
30	71	69	67	64	62	65	65	70	80	84	87	93	98	101	102	101	100	98	95	90	86	84	81	62	102	—		

MEAN MINIMUM TEMPERATURE IS 55.3  
MEAN MAXIMUM TEMPERATURE IS 89.5

STANDARD DEVIATION IS 4.77  
STANDARD DEVIATION IS 8.94

AERIC MOTOR IN CONTAINER CHANNEL 26  
SHELL CRUIN TAP

YEAR IS 1971. MONTH IS 5.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	70	77	74	77	70	68	64	68	73	83	88	94	98	102	103	102	100	97	93	89	85	82	80	66	103	
2	75	75	73	71	69	67	65	67	71	74	78	82	86	88	90	89	88	83	79	76	73	71	65	90		
3	65	67	65	63	61	59	58	58	61	65	70	76	80	85	85	85	84	82	79	75	72	70	68	66	85	
4	64	63	62	61	59	58	57	58	58	56	74	80	85	89	92	95	96	95	93	91	87	82	78	75	96	
5	70	68	65	62	61	59	58	58	63	73	81	85	91	94	95	93	93	91	88	83	80	77	74	72	57	
6	71	69	67	65	63	62	61	61	62	61	62	61	61	67	70	72	67	66	63	62	61	59	59	57	95	
7	68	67	64	62	60	58	56	54	53	55	65	72	70	81	83	85	81	78	73	75	74	71	69	67	72	
8	61	60	58	56	55	53	53	54	56	61	69	77	83	87	89	91	92	93	90	85	81	77	74	72	53	
9	67	65	62	61	59	58	58	58	61	67	75	83	90	92	96	98	99	101	98	96	93	89	85	82	101	
10	77	75	73	72	70	69	68	70	71	77	86	92	98	95	95	95	95	95	95	95	92	89	86	83	98	
11	72	70	69	67	65	64	60	75	86	90	95	100	101	101	102	103	98	94	91	89	86	83	82	80	103	
12	74	72	73	72	71	73	79	97	95	101	105	107	108	108	108	108	107	105	102	97	92	89	87	87	109	
13	84	82	81	78	77	75	74	76	82	87	92	95	98	100	101	101	100	98	94	90	87	85	82	74	101	
14	81	78	77	74	72	71	69	73	79	87	94	100	103	105	104	104	101	100	104	98	94	91	88	81	110	
15	85	82	80	78	75	73	72	76	81	89	96	101	104	107	110	112	112	110	108	104	99	95	92	88	72	112
16	87	85	84	83	82	80	79	82	85	94	102	106	106	108	107	106	104	101	98	93	89	86	83	79	109	
17	81	78	76	73	72	70	69	70	75	82	87	92	96	97	97	97	96	94	92	88	83	79	76	69	97	
18	73	71	69	66	64	62	61	62	69	78	85	89	93	96	98	98	99	98	96	92	86	83	79	76	61	
19	77	74	72	70	67	65	64	64	71	79	87	93	101	103	102	102	101	100	99	95	90	87	84	82	103	
20	81	79	77	75	73	71	69	70	75	82	91	97	102	104	103	102	100	98	96	93	89	86	83	81	104	
21	79	77	75	74	72	70	67	69	71	73	74	76	77	78	79	79	79	79	77	74	71	69	66	66	79	
22	64	62	61	59	58	57	56	58	64	73	78	84	88	92	94	95	96	97	95	94	89	86	83	81	55	
23	78	75	73	71	69	67	66	67	73	82	89	97	99	101	104	105	105	104	103	98	93	89	86	83	66	
24	83	80	79	76	73	70	69	71	78	86	92	98	101	106	106	109	109	108	107	105	101	90	87	84	70	
25	87	85	82	80	78	76	74	75	81	89	95	101	106	110	111	111	111	110	107	104	100	96	92	89	74	
26	87	84	82	80	78	77	75	76	81	85	89	93	95	97	98	98	96	95	92	88	85	82	78	76	75	
27	73	70	69	66	64	62	61	61	62	67	73	78	84	88	92	94	95	96	97	98	96	93	90	87	82	
28	62	61	60	59	58	56	56	57	62	71	81	87	88	86	85	85	85	82	80	79	77	73	70	64	61	
29	69	67	65	63	61	60	59	60	67	74	79	85	90	94	95	95	95	92	90	87	83	80	77	74	89	
30	72	70	68	66	63	62	60	61	67	74	81	87	91	96	96	95	93	91	89	86	83	79	77	74	60	
31	72	71	69	68	66	65	63	63	67	70	72	73	75	81	82	81	80	79	77	74	71	67	63	82	82	

NWC TP 5039  
Part 2

MEAN MINIMUM TEMPERATURE IS 64.2 STANDARD DEVIATION IS 6.91  
MEAN MAXIMUM TEMPERATURE IS 97.0 STANDARD DEVIATION IS 10.1.

ACRIC MOTOR IN CONTAINER CHANNEL 26  
SHELL GRAIN TOP

YEAR IS 1971. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN.	MAX.							
1	66	63	61	60	58	56	55	56	63	71	78	83	87	91	95	95	95	93	91	87	82	79	76	—	55	95							
2	73	72	70	67	66	64	61	62	67	70	76	80	82	88	89	92	94	92	89	84	80	77	74	—	61	94							
3	72	70	67	65	63	61	59	60	66	73	81	86	91	96	99	101	101	100	98	94	90	86	83	81	—	59	101						
4	78	75	73	71	70	69	67	67	72	77	84	91	95	96	98	101	102	102	101	100	97	93	89	83	—	67	102						
5	81	78	77	75	73	72	70	70	72	77	84	91	96	98	101	103	105	107	108	108	106	101	96	93	89	83	—	70	108				
6	84	81	78	76	74	72	73	79	86	94	98	101	104	107	109	111	111	110	107	103	98	95	91	89	83	—	72	111					
7	82	86	83	80	78	75	73	74	81	88	96	103	107	110	113	114	114	112	112	110	104	100	96	94	89	83	—	73	114				
8	88	86	84	82	80	78	78	84	90	99	105	110	113	115	116	114	113	110	106	102	98	95	92	89	83	—	78	115					
9	81	88	85	82	80	78	76	77	80	85	90	95	101	105	108	109	110	110	107	105	102	98	93	89	85	81	—	78	110				
10	83	81	79	76	73	72	70	70	74	75	85	90	95	98	101	102	102	101	100	98	93	89	85	81	83	—	70	102					
11	80	78	75	73	71	70	68	69	75	83	90	95	100	104	107	108	109	110	109	107	103	99	95	92	89	85	—	68	110				
12	80	88	85	83	80	78	76	77	83	92	97	102	107	110	113	113	112	112	110	107	104	100	96	94	91	89	83	—	76	113			
13	82	80	86	84	83	82	82	82	87	92	98	104	108	112	115	116	115	114	112	109	105	100	96	93	91	89	83	—	82	116			
14	80	85	83	81	78	78	76	77	84	92	96	100	105	110	113	115	115	114	112	109	105	100	96	93	91	89	83	—	78	116			
15	96	93	90	88	85	83	81	82	88	97	104	110	115	119	121	123	123	122	121	119	115	110	106	103	98	93	89	85	81	—	81	123	
16	90	86	93	90	85	83	84	84	90	98	104	110	115	118	121	122	122	121	119	116	112	107	104	100	96	93	89	85	81	—	83	122	
17	95	94	92	89	87	85	83	84	88	96	104	110	115	119	119	119	118	117	115	112	108	104	100	96	93	89	85	81	—	83	119		
18	93	90	87	85	83	81	81	81	87	98	107	103	109	113	117	120	119	117	115	112	108	104	100	96	93	89	85	81	—	81	120		
19	95	93	91	89	87	85	83	83	90	98	106	111	116	122	121	120	117	115	112	110	108	104	100	96	93	89	85	81	—	81	122		
20	93	91	89	86	83	81	79	79	87	95	102	109	113	115	116	114	112	110	108	105	102	99	97	95	93	89	85	81	—	81	121		
21	94	92	89	87	85	82	83	80	98	98	104	110	116	119	121	120	119	117	115	111	106	102	99	97	95	93	89	85	81	—	82	121	
22	96	94	92	89	87	85	82	82	89	98	106	113	117	119	122	122	121	119	117	113	108	104	101	97	95	93	89	85	81	—	82	122	
23	92	90	88	86	84	82	82	82	88	90	99	104	110	113	118	121	120	119	118	116	113	110	105	102	98	96	93	89	85	81	—	84	121
24	93	91	89	86	84	82	82	82	88	94	102	108	114	115	116	115	114	113	112	110	107	104	101	97	95	93	89	85	81	—	82	116	
25	95	93	91	89	88	87	85	86	91	97	103	107	109	110	112	112	111	109	107	104	100	97	95	93	89	85	81	—	85	112			
26	92	91	89	87	86	84	83	84	88	88	94	99	103	105	107	108	106	104	102	99	96	93	91	89	85	81	—	83	108				
27	88	87	85	84	83	82	81	81	85	89	93	97	101	102	103	103	102	101	99	97	95	91	88	86	84	81	78	81	103				
28	84	82	81	80	78	78	76	77	82	89	95	100	104	104	104	105	105	104	101	99	95	92	89	86	84	81	76	109	—	76	109		
29	85	82	80	78	76	74	73	72	79	85	92	97	101	105	108	109	110	110	110	110	110	106	101	97	94	72	110	—	72	110			
30	91	88	85	82	80	78	76	76	82	91	98	104	110	112	114	116	116	116	116	116	116	116	101	97	94	72	110	—	76	116			

MEAN MINIMUM TEMPERATURE IS 75.9 STANDARD DEVIATION IS 11.5 MEAN MAXIMUM TEMPERATURE IS 117.5 STANDARD DEVIATION IS 8.17

SAIL RAIN TOP CHANNEL 26

YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. TMF LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN-MAX		
1	94	92	90	88	86	84	82	80	90	94	102	104	114	118	118	116	114	118	118	116	114	110	105	101	98	119	
2	95	93	91	89	87	85	83	81	81	87	92	98	103	109	112	115	116	115	114	114	111	109	105	101	98	116	
3	91	91	90	87	85	82	81	81	81	85	96	102	107	111	114	116	116	116	114	114	111	107	103	100	97	116	
4	94	92	90	87	85	82	81	81	81	85	91	99	105	110	115	117	118	117	116	116	113	111	107	103	100	97	
5	95	92	91	89	88	85	83	81	81	87	87	93	100	106	110	114	118	118	118	118	118	115	112	109	104	100	
6	95	92	91	89	88	86	84	82	82	87	94	100	105	110	114	115	115	115	117	118	117	115	113	109	104	100	
7	94	92	91	89	88	86	84	82	82	87	92	97	102	108	112	115	115	115	117	118	117	115	113	109	104	100	
8	94	92	91	89	88	86	84	82	82	87	92	98	104	109	115	117	118	117	116	116	114	112	107	103	99	118	
9	92	90	89	87	85	84	82	82	82	87	93	100	106	111	115	117	118	118	116	114	111	107	103	99	96	118	
10	95	91	89	86	84	82	80	79	80	86	95	102	108	112	115	118	119	120	118	116	113	109	104	101	98	120	
11	95	93	90	88	87	85	84	83	84	85	95	100	107	111	115	118	119	120	118	116	114	111	107	102	98	118	
12	92	90	87	85	82	80	79	78	85	93	100	106	111	115	117	119	119	118	117	116	114	111	107	103	100	118	
13	95	92	90	87	85	83	81	80	80	85	90	98	105	112	117	117	118	118	118	117	116	114	112	107	103	99	118
14	95	93	91	89	88	85	83	82	82	87	92	97	100	107	114	118	122	123	123	123	123	122	120	116	112	108	104
15	96	94	92	89	86	83	81	80	80	85	95	103	109	114	116	121	124	127	128	128	128	124	120	116	113	109	106
16	102	100	98	96	94	92	90	89	89	90	92	98	107	113	119	120	120	120	119	118	117	115	111	107	103	99	120
17	95	92	90	87	85	83	81	80	80	87	97	104	110	115	117	120	121	121	121	121	121	121	116	112	108	104	100
18	97	95	93	90	88	86	84	82	82	87	95	103	109	114	119	121	121	121	120	120	118	114	110	107	103	100	
19	99	97	95	93	90	88	86	84	84	87	97	105	112	117	121	124	127	128	128	128	124	120	116	113	109	106	
20	103	101	99	97	95	93	90	88	86	94	96	99	100	105	107	109	114	118	121	113	111	109	105	101	98	120	
21	97	95	93	90	88	86	84	82	82	87	97	104	110	115	119	123	127	128	128	128	124	120	116	113	109	107	
22	97	95	93	90	88	86	84	82	82	87	94	98	96	94	94	95	100	99	99	99	98	98	97	96	95	94	123
23	102	100	98	96	94	92	90	88	88	87	92	97	104	110	115	117	120	121	121	121	121	121	121	116	112	108	104
24	97	95	93	90	88	86	84	82	82	87	94	98	100	105	110	115	119	121	121	121	121	121	121	116	112	108	104
25	99	97	95	93	90	88	86	84	84	87	97	105	112	117	121	124	127	128	128	128	124	120	116	113	109	107	
26	101	99	97	95	93	90	88	86	86	87	92	100	107	112	116	121	125	125	125	125	125	121	116	112	109	105	
27	101	99	97	95	93	90	88	86	86	87	92	100	107	112	117	121	125	126	126	126	126	121	117	113	109	105	
28	104	102	100	97	95	93	90	88	88	89	93	101	109	115	119	123	126	126	126	126	125	121	117	113	109	105	
29	104	102	101	99	97	95	93	90	90	91	96	104	111	116	121	124	126	126	126	126	125	121	117	113	109	105	
30	107	103	101	99	97	95	93	91	91	91	95	102	110	115	119	123	126	126	126	126	125	121	117	113	109	105	
31	103	100	97	95	93	92	90	88	88	89	95	102	109	115	119	123	126	126	126	126	125	121	117	113	109	105	

MEAN MINIMUM TEMPERATURE IS 86.3  
MEAN MAXIMUM TEMPERATURE IS 121.1STANDARD DEVIATION IS 4.13  
STANDARD DEVIATION IS 5.16

NWC TP 5039  
Part 2

WIND METER IN CONTAINER CHANNEL 25

ONE INCH TUBE CRUISEFORM TIP

YEAR IS 1970. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX				
1	99	97	95	93	91	89	88	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	94	96				
2	99	97	95	93	91	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	94	96				
3	104	102	100	98	96	94	92	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	94	96				
4	106	104	102	100	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	94	96				
5	105	104	101	100	98	96	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	94	96				
6	104	102	100	98	97	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	94	96				
7	100	98	97	95	94	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	94	96				
8	101	99	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	94	96				
9	98	98	95	93	91	89	87	85	83	81	80	79	78	77	76	75	74	73	72	71	70	69	68	94	96				
10	97	95	93	91	89	87	85	83	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	94	96				
11	96	94	93	91	89	87	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	94	96			
12	92	90	88	87	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	94	96				
13	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	94	96				
14	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	94	96				
15	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	94	96				
16	94	92	91	89	87	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	94	96			
17	94	93	91	89	87	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	94	96			
18	98	96	94	92	91	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	94	96				
19	103	101	99	98	96	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	94	96			
20	107	105	104	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	94	96		
21	113	111	109	107	106	104	103	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	94	96	
22	114	112	110	109	107	104	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	94	96	
23	109	107	106	104	101	99	97	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	94	96	
24	108	106	104	102	100	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	94	96
25	108	107	104	102	100	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	94	96
26	113	112	110	108	106	104	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	94	96	
27	106	107	105	101	99	97	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	94	96	
28	102	101	99	97	95	93	92	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	94	96	
29	95	93	92	90	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	94	96	
30	95	93	92	90	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	94	96	

NEAR INLET TEMPERATURE IS 74.5 STATION TEMPERATURE IS 7.74  
MAXIMUM TEMPERATURE IS 105.3 STATION MAXIMUM TEMPERATURE IS 8.5

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH NYLON CRUSHFORM TIP

YEAR IS 1970. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSIVE COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	101	99	97	95	93	92	91	90	89	88	86	84	83	82	81	80	79	78	77	76	75	74	73	74	111	
2	100	102	102	101	98	97	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	113	
3	100	102	104	103	103	101	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113	
4	107	106	104	103	103	101	100	99	98	96	95	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113
5	100	107	107	105	104	103	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
6	112	111	110	109	108	107	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	113	
7	112	110	108	106	105	105	103	103	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
8	111	110	108	107	107	105	104	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
9	98	99	97	96	95	94	92	91	90	89	88	87	86	85	85	85	84	83	82	81	80	79	78	77	113	
10	95	94	93	92	91	90	89	88	87	86	85	85	85	85	85	85	84	83	82	81	80	79	78	77	113	
11	93	95	93	91	91	90	89	88	87	86	85	85	85	85	85	85	84	83	82	81	80	79	78	77	113	
12	107	106	104	102	102	100	98	97	95	94	94	95	98	100	100	101	101	101	101	101	101	101	101	101	101	113
13	111	110	107	106	105	103	103	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
14	112	110	109	108	106	104	102	101	100	99	97	95	93	92	91	90	89	88	87	86	85	84	83	82	113	
15	112	111	109	107	107	105	104	103	103	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
16	114	112	110	109	108	107	106	105	104	103	102	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
17	117	116	115	115	115	114	113	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	113	
18	113	112	110	109	107	105	105	104	103	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
19	113	112	110	109	107	105	105	104	103	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
20	114	115	114	113	111	111	110	109	108	108	107	107	107	107	107	107	107	107	107	107	107	107	107	107	113	
21	114	115	114	113	112	111	110	109	108	108	107	107	107	107	107	107	107	107	107	107	107	107	107	107	113	
22	113	112	110	109	107	105	104	104	103	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	113	
23	106	107	106	104	103	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113
24	106	107	105	104	102	102	100	99	98	97	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113	
25	107	105	105	102	102	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113	
26	107	105	105	102	102	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113	
27	107	105	105	104	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	113
28	106	104	102	101	100	99	98	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	113
29	102	103	101	99	98	97	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	113
30	102	101	99	98	96	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	113	
31	104	103	101	99	97	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	113	

NWC TP 5039  
Part 2

MEAN MINIMUM TEMPERATURE IS 82.8 STANDARD DEVIATION IS 4.77  
MEAN MAXIMUM TEMPERATURE IS 113.1 STANDARD DEVIATION IS 4.82

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25  
TIME INCH INTO CRUISEFORM TOP

YEAR IS 1970. MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	105	104	101	100	98	96	94	92	91	90	90	92	94	96	100	102	105	107	109	110	110	110	108	107	90	110
2	105	104	102	100	98	97	95	93	92	90	91	92	94	97	95	102	104	106	108	110	110	109	107	90	110	
3	105	104	102	100	98	97	95	93	92	91	92	94	96	97	99	101	103	105	108	110	110	112	113	112	110	113
4	108	107	105	104	102	100	98	97	96	95	95	96	97	97	99	101	104	106	108	110	110	112	113	112	110	110
5	106	105	103	101	100	98	96	95	93	92	92	94	96	97	101	104	105	108	110	111	112	112	111	110	95	112
6	107	105	104	102	100	98	96	95	93	92	92	94	96	96	99	102	106	109	112	112	113	113	112	112	112	112
7	110	109	107	105	103	101	99	97	95	95	95	95	96	97	98	101	104	107	110	112	114	115	115	114	113	116
8	110	108	106	104	102	101	99	98	96	96	96	96	96	97	101	104	107	109	111	113	114	115	115	116	116	116
9	109	107	104	103	101	98	96	94	92	92	93	95	96	98	101	104	107	110	112	114	115	115	116	116	116	115
10	110	108	106	104	102	101	99	96	94	94	95	96	96	98	101	105	108	110	113	116	116	116	116	116	116	116
11	114	113	111	109	107	105	104	101	100	99	99	100	101	103	106	108	111	113	115	117	118	118	118	116	115	118
12	113	111	110	108	107	105	103	101	100	99	101	102	102	100	99	101	102	105	107	110	112	114	115	114	116	118
13	112	110	109	108	107	105	103	101	100	99	100	101	100	99	98	99	100	101	102	114	116	116	116	116	116	116
14	111	109	107	106	104	102	101	99	98	97	97	97	97	98	99	101	103	105	105	107	110	112	112	110	96	115
15	109	107	104	103	101	98	96	94	92	92	93	95	96	98	101	104	107	110	112	114	115	115	116	116	116	116
16	109	107	104	103	101	98	96	94	92	92	93	95	96	98	101	105	108	110	113	116	116	116	116	116	116	116
17	106	104	103	101	100	98	96	95	93	93	94	95	96	97	99	102	105	108	110	112	113	113	112	113	113	113
18	107	106	104	103	101	99	98	96	95	94	94	95	95	96	97	100	102	105	107	109	111	111	111	110	110	112
19	107	105	103	101	100	98	96	95	93	92	92	94	95	96	98	101	103	105	107	108	110	111	111	110	96	112
20	103	102	100	99	98	96	94	93	92	92	93	94	95	96	98	101	103	105	107	108	110	110	110	109	107	110
21	105	104	102	100	98	96	95	92	91	91	93	95	96	98	101	104	106	108	110	110	112	111	111	110	110	110
22	105	104	102	100	98	96	95	93	92	91	92	94	96	97	99	101	103	105	106	108	110	110	110	107	107	111
23	106	104	103	101	99	98	96	95	93	92	94	95	96	97	99	101	104	106	108	110	112	113	113	112	113	113
24	107	105	104	102	100	98	96	94	93	92	93	95	96	97	99	101	104	106	108	110	112	113	113	112	113	113
25	107	106	104	103	101	99	98	96	94	92	94	95	96	98	99	101	104	107	110	111	112	113	113	112	113	113
26	107	106	104	102	101	99	98	96	95	94	95	96	97	98	99	101	104	105	107	108	110	112	112	111	110	110
27	103	101	100	99	98	97	95	94	92	92	93	94	95	96	98	101	104	105	107	108	110	112	112	111	110	108
28	102	101	100	98	97	96	94	93	92	91	92	93	94	95	96	98	100	102	104	105	107	107	107	106	105	104
29	104	103	101	100	98	97	95	94	92	91	91	93	95	96	98	101	104	105	107	108	107	107	106	105	104	103
30	104	103	101	100	98	96	95	93	92	92	92	94	95	97	98	100	102	105	107	108	110	110	110	109	108	107
31	105	104	102	100	98	97	95	93	92	91	92	94	95	96	98	102	104	106	107	108	110	110	110	109	108	107
32	105	104	102	100	98	97	95	93	92	91	92	94	95	96	98	102	104	106	107	108	110	110	110	109	108	107

MEAN MINIMUM TEMPERATURE IS 93.4 STANDARD DEVIATION IS 2.63  
MEAN MAXIMUM TEMPERATURE IS 112.5 STANDARD DEVIATION IS 3.20

ASPECT RATIO IN CONTAINER CHANNEL 29

TEST NUMBER TWO CLOUDS TEST

TEST DATE 13 1970. MEATH IS 9.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSIVE COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THAT DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	102	100	98	97	95	94	93	92	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73
2	102	100	98	96	94	92	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71
3	99	97	95	94	92	91	90	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70
4	97	95	94	92	91	90	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69
5	91	90	88	87	85	84	83	81	80	79	78	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62
6	87	85	84	82	80	79	77	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57
7	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56
8	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
9	86	85	83	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
10	86	84	82	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58
11	104	102	101	99	98	96	94	92	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73
12	102	100	99	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75
13	99	97	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69
14	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61
15	87	85	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60
16	88	85	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
17	80	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
18	93	92	90	88	85	83	81	79	78	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60
19	92	91	90	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66
20	88	87	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61
21	88	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61
22	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60
23	85	82	81	79	76	74	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
24	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59
25	91	89	88	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63
26	91	79	77	75	73	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
27	97	95	93	91	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66
28	85	83	82	80	79	77	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56
29	85	83	82	80	79	77	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56
30	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59

MEAN MINIMUM TEMPERATURE IS 79.4 STANDARD DEVIATION IS 6.71  
MEAN MAXIMUM TEMPERATURE IS 89.8 STANDARD DEVIATION IS 6.07

ASERIC MOTOR IN CONTAINER CHANNEL 25

NMF INCH COUSIFORM TIP

YEAR IS 1970. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCESSING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TWO OF COLUMNS. THE LAST TWO COLUMNS GIVE TIME MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	HOUR MAX
1	70	80	81	84	84	82	A1	70	74	77	80	82	85	86	89	91	92	94	96	93	92	90	91	92
2	45	47	49	55	52	52	50	70	77	75	76	74	81	83	85	87	89	89	92	92	91	91	91	92
3	50	50	50	56	56	56	52	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
4	83	H2	81	70	79	79	77	74	73	72	73	75	78	R1	R4									
5	88	86	86	84	82	81	80	78	77	76	76	74	74	74	74	74	74	74	74	74	74	74	74	
X	88	R7	R5	R5	R3	R2	R1	80	70	70	80	82	R3	R4	R5	R6	R6	R7	R7	R5	R4	R3	R2	R1
7	82	81	80	79	78	78	77	76	75	73	72	75	77	74	R0	R0	R0	R1	R1	R0	R0	R0	R0	R0
A	74	73	71	69	68	66	62	61	60	61	62	66	66	60	71	74	76	79	79	79	78	78	78	78
0	75	73	72	70	69	67	65	64	62	62	66	68	71	73	77	R1	R2	R3	R2	R2	R2	R1	R0	
J	76	75	73	71	70	68	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
11	A1	70	78	77	75	73	72	70	70	70	72	75	77	79	80	82	85	84	85	84	85	84	85	84
12	A3	H2	A1	73	70	74	72	73	71	71	73	74	77	77	70	A2	A3	A4	A5	A5	A4	A3	A2	A1
13	A1	70	78	74	75	72	71	71	68	68	68	68	68	68	71	75	78	80	82	82	82	82	82	
14	A1	H1	H1	75	75	75	73	73	70	69	69	69	69	69	73	R1								
15	A1	A0	77	74	72	73	72	70	69	69	69	69	69	69	70	A0	A1	A2	A3	A2	A1	A0	A0	
16	A1	A0	79	75	72	72	72	70	69	69	69	69	69	69	70	A1	A2	A3	A2	A1	A0	A0	A0	
17	A1	A0	75	72	72	72	72	70	69	69	69	69	69	69	70	A1	A2	A3	A2	A1	A0	A0	A0	
18	A1	A0	75	72	70	69	69	69	69	69	69	69	69	69	70	A1	A2	A3	A2	A1	A0	A0	A0	
19	A1	A0	76	73	71	71	70	69	69	69	69	69	69	69	70	A1	A2	A3	A2	A1	A0	A0	A0	
20	A1	A0	78	77	75	73	73	70	69	69	69	69	69	69	70	A1	A2	A3	A2	A1	A0	A0	A0	
21	A1	A0	70	70	68	67	66	65	65	64	64	63	63	63	64	64	65	65	65	65	65	65	65	
22	A1	A0	67	66	66	65	65	64	63	63	62	62	62	62	62	62	62	62	62	62	62	62	62	
23	A0	A0	67	65	62	62	61	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
24	A1	A0	73	71	70	70	69	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
25	A0	A0	68	66	65	63	61	60	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
26	A1	A0	62	62	61	61	60	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
27	A1	A0	65	63	62	61	61	60	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
28	A1	A0	67	65	63	62	61	60	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
29	A1	A0	60	59	57	56	55	54	53	51	50	50	50	50	50	50	50	50	50	50	50	50	50	
30	A1	A0	57	56	54	53	51	50	49	47	47	46	45	45	45	45	45	45	45	45	45	45	45	
31	A1	A0	59	58	57	56	55	54	53	52	52	51	51	51	51	51	51	51	51	51	51	51	51	

MEAN MINIMUM TEMPERATURE IS 66.6° STANDARD DEVIATION IS 8.98  
MEAN MAXIMUM TEMPERATURE IS 75.5° STANDARD DEVIATION IS 8.54

ASRIC-MOTOR-IN CONTAINER CHANNEL 25

ONE INCH INT'L CRUSIFORM TOP  
YEAR IS 1970. MONTH IS 11.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS  
DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
2	70	69	69	67	66	66	64	62	60	59	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
3	60	58	56	56	56	56	56	56	56	56	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
4	62	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
5	67	65	64	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
6	68	67	67	66	66	65	65	63	63	63	62	61	61	61	61	61	62	64	67	69	69	69	69	69	69	
7	70	68	68	67	66	65	63	62	60	59	57	56	55	55	55	56	56	56	56	56	56	56	56	56	56	
8	68	66	66	65	65	64	64	63	61	60	58	58	57	56	56	56	56	56	56	56	56	56	56	56	56	
9	68	67	66	65	65	64	63	63	62	60	59	58	57	56	56	56	57	59	61	64	66	66	66	66	66	
10	70	69	68	66	65	64	63	61	60	59	58	57	57	57	57	57	57	59	61	63	66	68	70	70	70	
11	69	68	68	67	67	66	66	66	66	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
12	69	68	67	67	65	64	62	60	58	58	56	55	55	55	55	55	56	57	58	60	62	64	66	66	66	
13	64	63	62	61	60	59	58	57	56	55	54	54	54	54	54	54	55	55	56	56	56	56	56	56	56	
14	63	62	61	59	58	57	56	54	53	51	50	49	49	49	49	50	50	50	50	50	50	50	50	50	50	
15	61	60	59	57	56	54	53	52	51	50	49	48	47	47	47	48	48	47	47	47	47	47	47	47	47	
16	61	60	59	57	56	54	53	52	51	50	49	48	47	47	47	48	48	47	47	47	47	47	47	47	47	
17	62	61	60	59	58	57	56	54	53	51	50	49	49	49	49	50	51	53	56	58	60	61	63	63	63	
18	62	61	60	59	58	56	55	54	53	51	50	49	49	49	49	50	51	53	55	57	59	62	63	63	63	
19	62	61	60	58	57	56	55	53	52	51	50	49	49	49	49	49	50	51	53	56	59	62	63	63	63	
20	61	60	59	57	56	54	53	52	51	50	49	48	48	48	48	49	50	52	55	57	60	62	63	63	63	
21	59	58	57	56	55	54	53	51	50	49	48	47	47	47	47	48	48	47	47	47	47	47	47	47	47	
22	60	59	58	57	57	55	54	53	52	51	50	49	48	47	47	47	48	48	49	50	52	55	57	59	59	
23	62	61	60	59	58	57	56	54	53	52	51	50	49	49	49	49	50	50	52	54	56	58	61	62	62	
24	65	64	64	64	64	63	62	61	60	59	58	57	56	55	55	55	56	56	56	56	56	56	56	56	56	
25	69	68	67	65	64	64	64	64	63	62	61	60	59	59	59	59	60	60	61	61	62	63	63	63	63	
26	62	61	60	59	58	57	56	55	54	52	51	50	49	48	48	48	49	49	50	51	52	53	53	53	53	
27	57	56	55	54	53	52	51	50	49	48	47	46	45	45	45	45	46	46	47	47	48	48	48	48	48	
28	52	51	51	50	50	49	49	48	47	47	46	46	45	45	45	45	46	46	47	47	47	47	47	47	47	
29	49	47	47	47	46	46	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	

MEAN MINIMUM TEMPERATURE IS 53.4  
MEAN MAXIMUM TEMPERATURE IS 60.8

STANDARD DEVIATION IS 5.75  
STANDARD DEVIATION IS 11.57

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSIFORM TOP

YEAR IS 1970. MONTH IS 12.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	53	53	52	52	51	51	50	49	49	48	48	49	51	52	54	55	56	57	58	58	57
2	56	55	54	54	53	53	52	52	51	51	52	53	53	54	55	56	56	56	55	54	56
3	54	53	52	52	51	50	49	48	47	46	45	45	46	48	49	51	52	54	55	56	54
4	55	53	52	51	50	49	48	47	46	45	44	43	43	44	45	47	50	51	53	54	54
5	53	52	52	51	50	49	48	47	46	45	45	44	44	45	46	47	50	51	53	54	52
6	56	55	54	53	52	51	50	49	48	47	46	45	45	46	48	50	52	54	56	57	59
7	56	55	54	53	52	51	50	49	48	47	46	45	45	46	48	49	51	53	55	58	58
8	56	55	54	53	52	51	50	49	48	47	46	45	45	46	48	49	51	53	55	57	58
9	60	59	59	59	58	58	58	58	58	58	58	58	58	58	58	58	58	60	60	60	60
10	61	60	59	59	58	57	55	54	53	52	50	49	48	48	49	50	52	54	58	58	64
11	56	55	54	52	51	50	49	48	48	46	44	44	43	43	44	45	47	49	51	54	57
12	54	53	52	50	49	48	47	46	45	43	42	41	41	42	44	46	47	49	51	56	57
13	54	53	52	51	50	48	47	46	45	43	42	41	41	42	44	46	49	51	53	55	56
14	54	53	52	51	50	49	48	47	46	45	43	42	42	43	45	46	47	48	50	52	53
15	53	52	51	50	49	48	47	46	45	44	43	42	42	43	45	46	48	49	51	54	55
16	50	49	48	47	47	46	45	44	43	42	42	42	43	43	45	46	47	49	51	52	53
17	50	50	49	49	48	48	47	46	45	44	43	43	43	44	45	46	47	49	50	50	51
18	49	48	48	47	46	45	45	44	43	42	42	41	41	42	43	44	45	46	47	47	46
19	46	45	45	44	44	43	43	42	42	41	40	40	40	40	40	40	40	41	42	42	41
20	41	41	41	41	40	39	39	38	38	37	37	38	38	38	39	40	41	43	44	46	46
21	46	45	45	45	44	44	44	43	43	43	43	42	42	42	42	43	44	45	46	46	47
22	46	45	44	44	43	43	42	42	41	40	39	39	39	40	41	42	43	44	45	46	47
23	49	48	47	46	45	44	43	42	41	40	39	39	39	39	39	40	42	45	48	48	49
24	48	46	44	45	46	44	43	43	42	42	41	40	41	42	44	46	48	50	51	50	49
25	49	48	47	46	45	44	43	42	41	40	39	38	38	38	39	40	42	44	46	46	47
26	48	47	46	45	44	44	43	42	41	40	39	38	37	38	39	40	41	41	41	41	41
27	41	40	40	40	40	40	39	39	39	39	39	39	39	39	39	40	40	41	41	41	41
28	45	43	42	42	42	41	41	40	39	38	37	37	38	38	38	39	40	41	42	43	46
29	48	47	46	45	44	43	42	41	40	39	38	38	38	38	38	39	40	41	43	45	46
30	48	47	46	45	44	43	42	41	40	39	38	38	38	38	39	39	40	41	43	45	46
31	50	49	48	47	46	45	44	43	42	41	40	41	41	42	44	46	48	51	52	52	54

MEAN MINIMUM TEMPERATURE IS 42.5 STANDARD DEVIATION IS 4.62  
MEAN MAXIMUM TEMPERATURE IS 53.5 STANDARD DEVIATION IS 5.02

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUTIFORM TOP

YEAR IS 1971. MONTH IS 1.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	52	51	50	49	48	47	47	46	45	44	43	42	41	42	43	44	46	48	50	51	53	53	53	52	41	53
2	52	51	50	49	49	48	48	48	48	47	47	46	46	46	46	47	47	47	47	46	46	46	45	45	45	52
3	45	44	44	43	42	41	41	40	39	38	38	37	37	37	38	39	41	42	44	45	46	45	45	44	37	46
4	43	42	42	40	39	38	37	36	35	34	33	32	31	32	31	32	34	35	37	39	41	42	42	41	31	43
5	40	39	38	36	35	34	33	31	30	29	28	27	28	30	32	30	32	34	36	38	39	41	41	40	27	41
6	39	38	37	37	37	35	34	33	32	31	30	29	29	30	29	30	32	33	35	37	39	40	42	42	41	29
7	40	39	38	37	36	35	34	33	32	31	30	29	29	30	32	33	35	38	41	41	42	43	44	43	29	44
8	42	41	40	39	38	37	37	36	35	34	34	33	34	33	34	33	36	38	40	41	42	43	42	41	33	43
9	41	40	39	38	36	37	37	36	35	34	33	33	33	33	33	33	34	36	38	40	42	44	46	45	33	46
10	45	44	43	42	41	40	39	38	37	36	35	34	34	34	34	34	37	40	42	45	46	48	48	47	34	48
11	47	46	45	44	43	42	41	40	39	38	37	36	37	36	37	38	40	43	45	47	48	50	50	50	36	50
12	50	49	49	48	48	48	48	47	47	46	46	46	46	46	46	46	47	48	50	51	52	52	53	52	46	53
13	52	51	50	49	49	48	47	46	46	45	45	44	44	44	44	44	45	46	48	49	50	51	51	50	44	52
14	50	50	49	49	49	48	48	47	47	46	46	45	45	45	45	46	46	47	49	51	52	51	51	50	44	52
15	52	51	50	49	48	46	45	44	43	41	40	40	40	41	41	41	43	46	48	50	51	52	52	51	45	54
16	52	51	50	49	48	47	46	45	43	42	41	40	40	40	41	41	43	45	47	49	51	53	53	53	40	52
17	53	52	52	51	50	49	49	48	47	47	46	44	44	43	43	44	45	47	50	51	53	55	57	59	53	53
18	60	59	58	57	56	55	54	53	52	51	50	49	48	48	48	49	50	53	56	58	61	63	65	65	48	65
19	65	64	64	63	62	61	60	59	58	57	56	54	53	52	52	53	54	57	60	62	64	62	60	63	52	65
20	67	66	66	65	64	63	62	61	60	59	58	57	56	55	55	57	59	60	62	64	67	68	70	70	54	70
21	71	70	69	68	67	66	65	64	63	62	61	60	59	58	59	60	62	64	66	68	68	69	68	68	71	71
22	67	66	65	64	64	62	61	59	58	57	56	54	53	52	51	52	54	56	58	60	62	63	64	64	51	67
23	64	63	62	60	59	57	56	54	53	51	50	49	48	48	47	46	47	48	50	53	55	57	58	60	46	64
24	60	59	58	57	56	55	54	52	51	50	49	48	47	46	44	43	44	45	47	50	51	55	54	56	56	60
25	59	58	57	55	54	53	52	51	50	49	48	47	46	44	44	45	46	46	49	51	52	54	54	56	59	62
26	62	61	60	58	57	55	54	53	52	50	49	47	46	46	46	47	48	51	54	56	58	60	62	62	44	62
27	63	62	62	60	59	58	57	55	54	53	52	51	50	49	48	49	49	50	53	57	59	62	63	63	46	63
28	66	65	64	62	61	59	58	56	55	53	52	51	50	49	48	49	50	52	54	56	58	60	62	63	48	65
29	64	63	62	61	60	58	57	55	54	53	52	51	50	49	48	49	51	53	56	59	62	63	65	65	48	65
30	65	64	63	61	60	59	58	56	55	53	52	51	50	49	48	49	50	53	56	58	61	63	65	65	48	65
31	65	64	63	61	60	58	57	55	54	53	52	50	49	48	48	49	50	52	53	54	57	60	61	62	67	65

MEAN MINIMUM TEMPERATURE IS 42.4 STANDARD DEVIATION IS 7.88  
MEAN MAXIMUM TEMPERATURE IS 56.3 STANDARD DEVIATION IS 9.28

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUISEFORM TOP

YEAR IS 1971. MONTH IS 2.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	62	61	60	59	58	57	56	55	54	53	51	50	50	51	52	54	56	58	61	63	65	65	65	50	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
2	66	65	64	63	62	60	59	57	56	55	54	52	51	50	51	52	54	56	58	60	62	64	63	50	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
3	63	63	64	63	62	61	59	58	57	56	55	54	53	52	53	55	57	59	61	63	64	63	63	52	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
4	63	61	60	59	58	56	55	53	52	50	49	47	46	45	44	45	47	49	52	54	57	58	60	60	44	63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
5	60	59	58	57	56	54	53	51	50	49	48	47	46	45	44	45	46	48	51	53	56	57	59	59	44	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
6	60	59	58	57	56	55	54	53	52	51	50	48	47	47	47	48	50	52	55	57	59	61	63	47	63	7	64	63	62	61	60	59	58	56	55	54	53	51	50	49	49	50	52	54	57	59	62	63	65	65	49	65	8	65	64	63	61	60	59	58	56	55	53	52	50	49	48	47	48	50	53	56	58	61	63	65	65	47	65	9	64	63	61	60	59	58	56	55	53	52	50	49	48	48	49	51	54	58	60	62	64	67	67	67	48	67	10	67	66	65	63	62	60	59	57	56	54	53	52	50	49	49	50	52	54	56	59	62	64	66	66	49	67	11	67	66	66	65	64	63	62	60	59	58	57	55	56	54	54	56	58	60	63	65	68	69	71	71	54	71	12	72	71	71	70	69	68	67	66	65	64	62	61	59	58	58	59	61	66	72	74	76	76	75	75	58	76	13	74	72	71	71	70	69	68	66	64	63	62	60	58	57	58	59	60	64	68	71	73	75	75	74	57	75	14	73	72	71	69	68	66	65	63	62	60	59	58	57	56	57	58	59	60	64	68	71	73	74	74	58	74	15	72	71	70	69	68	67	66	65	64	63	62	61	61	61	61	62	63	63	64	64	66	66	66	61	72	16	64	63	63	61	60	59	58	57	56	55	54	53	52	52	53	54	56	57	58	58	58	58	58	52	64	17	57	56	56	55	54	53	53	52	51	50	49	48	48	48	49	50	51	52	53	56	58	60	62	64	64	64	18	62	61	60	59	58	57	56	55	54	53	52	51	50	52	55	57	60	62	64	65	67	67	67	64	64	19	65	63	62	61	60	59	58	56	55	54	53	53	53	54	55	57	58	59	59	59	59	59	59	53	65	20	56	55	54	53	52	51	50	49	48	47	46	45	44	44	45	48	50	52	53	55	56	58	58	57	46	58	21	56	55	55	54	53	52	51	50	49	48	47	46	45	44	44	45	48	50	53	56	58	60	62	64	64	64	22	63	62	61	60	59	59	57	55	54	53	52	52	52	53	54	57	60	62	65	65	66	66	64	64	52	66	23	63	62	61	60	59	58	58	57	56	55	54	54	54	54	55	57	58	60	61	62	63	64	64	61	54	64	24	62	61	60	59	58	57	56	55	54	53	52	51	50	50	52	54	56	59	61	64	66	68	68	68	50	68	25	66	64	62	61	59	58	56	55	53	52	51	51	51	52	53	55	57	58	60	61	60	60	59	51	66	66	26	59	58	57	55	54	52	51	49	48	46	45	44	44	44	45	47	49	52	54	56	57	58	58	57	44	59	27	54	53	51	50	49	48	47	46	45	44	44	43	43	43	44	45	47	48	50	51	52	52	51	40	56	53	28	51	50	50	49	48	47	46	45	44	44	43	43	43	44	44	45	47	48	50	52	52	53	53	43	53	53
7	64	63	62	61	60	59	58	56	55	54	53	51	50	49	49	50	52	54	57	59	62	63	65	65	49	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
8	65	64	63	61	60	59	58	56	55	53	52	50	49	48	47	48	50	53	56	58	61	63	65	65	47	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
9	64	63	61	60	59	58	56	55	53	52	50	49	48	48	49	51	54	58	60	62	64	67	67	67	48	67																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
10	67	66	65	63	62	60	59	57	56	54	53	52	50	49	49	50	52	54	56	59	62	64	66	66	49	67																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
11	67	66	66	65	64	63	62	60	59	58	57	55	56	54	54	56	58	60	63	65	68	69	71	71	54	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
12	72	71	71	70	69	68	67	66	65	64	62	61	59	58	58	59	61	66	72	74	76	76	75	75	58	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
13	74	72	71	71	70	69	68	66	64	63	62	60	58	57	58	59	60	64	68	71	73	75	75	74	57	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
14	73	72	71	69	68	66	65	63	62	60	59	58	57	56	57	58	59	60	64	68	71	73	74	74	58	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
15	72	71	70	69	68	67	66	65	64	63	62	61	61	61	61	62	63	63	64	64	66	66	66	61	72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
16	64	63	63	61	60	59	58	57	56	55	54	53	52	52	53	54	56	57	58	58	58	58	58	52	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
17	57	56	56	55	54	53	53	52	51	50	49	48	48	48	49	50	51	52	53	56	58	60	62	64	64	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
18	62	61	60	59	58	57	56	55	54	53	52	51	50	52	55	57	60	62	64	65	67	67	67	64	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
19	65	63	62	61	60	59	58	56	55	54	53	53	53	54	55	57	58	59	59	59	59	59	59	53	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
20	56	55	54	53	52	51	50	49	48	47	46	45	44	44	45	48	50	52	53	55	56	58	58	57	46	58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
21	56	55	55	54	53	52	51	50	49	48	47	46	45	44	44	45	48	50	53	56	58	60	62	64	64	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
22	63	62	61	60	59	59	57	55	54	53	52	52	52	53	54	57	60	62	65	65	66	66	64	64	52	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
23	63	62	61	60	59	58	58	57	56	55	54	54	54	54	55	57	58	60	61	62	63	64	64	61	54	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
24	62	61	60	59	58	57	56	55	54	53	52	51	50	50	52	54	56	59	61	64	66	68	68	68	50	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
25	66	64	62	61	59	58	56	55	53	52	51	51	51	52	53	55	57	58	60	61	60	60	59	51	66	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
26	59	58	57	55	54	52	51	49	48	46	45	44	44	44	45	47	49	52	54	56	57	58	58	57	44	59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
27	54	53	51	50	49	48	47	46	45	44	44	43	43	43	44	45	47	48	50	51	52	52	51	40	56	53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
28	51	50	50	49	48	47	46	45	44	44	43	43	43	44	44	45	47	48	50	52	52	53	53	43	53	53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

MEAN MINIMUM TEMPERATURE IS 50.0 STANDARD DEVIATION IS 4.93  
MEAN MAXIMUM TEMPERATURE IS 65.3 STANDARD DEVIATION IS 5.30

ASROC MOTOR IN CONTAINER CHANNEL 25

ONE INCH INTO CRUISEFORM TOP

YEAR TS 1971. MONTH IS 3.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	52	51	50	49	49	48	48	47	46	46	70	70	72	75	77	80	82	85	86	88	88	87	85	84	66	88
2	79	78	76	75	73	72	71	70	68	67	67	70	72	75	78	81	83	85	87	87	87	86	85	84	67	87
3	75	73	72	70	69	67	65	64	62	62	62	64	68	71	73	77	79	81	82	83	83	82	82	80	62	83
4	74	73	71	69	68	66	64	62	61	61	62	62	66	69	71	74	76	78	79	80	80	79	78	76	60	80
5	82	81	80	79	78	77	76	75	74	73	74	75	77	78	80	81	81	80	81	81	80	79	78	76	73	82
6	88	87	85	85	83	82	81	80	79	79	79	80	82	83	84	85	86	86	87	87	86	85	84	83	79	88
7	88	86	85	84	82	81	80	78	77	76	76	78	80	82	85	88	90	91	92	92	91	90	89	86	76	92
8	83	82	81	79	78	76	74	73	72	73	75	78	81	84	86	88	90	92	92	92	91	90	89	87	72	92
9	88	88	87	86	85	84	82	81	80	79	79	79	80	80	80	82	85	86	86	87	87	86	85	84	79	88
10	89	87	86	85	83	82	80	78	77	75	76	78	81	83	85	87	89	90	92	92	92	91	90	89	75	92
11	90	89	88	86	84	82	81	79	78	77	77	77	80	82	85	86	89	91	92	94	94	93	92	90	77	94
12	89	88	86	85	83	82	80	78	77	76	76	76	78	81	83	86	89	91	93	95	95	95	93	92	76	95
13	86	85	83	82	80	78	77	75	73	73	75	78	81	83	86	88	91	92	94	94	93	93	91	91	73	95
14	85	83	82	80	78	77	75	73	72	71	72	74	77	80	83	85	87	89	90	91	91	90	89	88	71	91
15	82	80	79	77	76	74	72	71	69	69	71	74	78	81	83	85	87	89	90	90	89	88	86	86	75	92
16	81	79	77	75	73	71	70	68	66	65	66	66	69	71	74	77	82	83	85	86	86	85	85	83	85	86
17	91	89	88	86	85	83	82	81	79	78	78	79	81	82	84	85	85	86	87	88	87	86	85	83	78	91
18	88	86	85	83	82	80	78	77	75	74	75	77	80	83	87	89	92	93	95	96	96	95	94	93	74	96
19	85	82	81	79	78	76	74	72	71	70	71	73	76	79	82	85	87	89	90	91	91	90	89	88	70	91
20	86	85	83	82	81	79	78	76	75	74	74	76	78	80	82	84	85	87	89	90	90	89	88	86	74	90
21	88	86	85	83	82	80	78	76	74	74	76	79	82	84	86	88	90	91	92	92	91	90	89	88	74	92
22	88	87	86	85	84	83	82	81	79	78	79	80	82	85	87	89	91	93	94	94	94	92	91	90	78	94
23	92	91	90	88	87	86	85	84	82	82	82	84	86	87	88	91	91	92	93	94	93	92	91	90	82	94
24	93	92	90	88	86	85	83	81	79	78	78	78	80	83	85	89	92	94	95	96	97	96	95	94	78	97
25	90	88	87	85	83	81	79	78	76	75	76	77	80	84	88	91	93	95	97	98	98	98	96	95	75	98
26	88	86	85	82	81	79	78	76	75	74	75	77	80	82	85	86	88	90	92	94	95	95	93	92	74	95
27	87	85	84	82	80	78	77	75	73	72	73	75	78	81	84	86	88	90	92	93	93	92	91	90	77	93
28	87	85	84	83	82	80	78	76	75	73	73	76	78	82	85	86	88	90	92	92	92	91	90	88	73	92
29	95	93	92	91	89	88	86	85	84	84	85	86	87	88	90	91	92	92	92	92	91	91	90	88	84	95
30	102	100	99	97	96	95	93	92	90	89	90	91	93	95	96	98	98	99	100	99	98	97	96	95	89	102
31	104	102	101	99	98	96	94	92	91	90	91	70	71	73	76	77	78	79	80	79	78	76	74	73	70	104

MEAN MINIMUM TEMPERATURE IS 73.1  
MEAN MAXIMUM TEMPERATURE IS 91.8

STANDARD DEVIATION IS 7.77  
STANDARD DEVIATION IS 5.19

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSIFORM TIP

YEAR IS 1971. MONTH IS 4.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TIP OF TIP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN. - MAX.
1	71	69	67	64	62	60	58	57	56	55	54	52	50	49	48	47	46	45	44	43	42	41	40	39	56 - 78
2	71	69	67	65	62	60	58	57	56	55	54	52	50	49	48	47	46	45	44	43	42	41	40	39	56 - 92
3	75	73	72	70	69	67	65	63	61	59	58	56	54	52	50	49	47	45	43	42	40	39	38	37	63 - 94
4	77	75	73	72	70	68	67	65	64	62	60	59	57	55	53	51	49	47	45	43	42	40	39	38	65 - 94
5	79	77	74	73	70	69	67	66	65	64	62	60	59	57	55	53	51	49	47	45	43	42	41	40	65 - 94
6	80	78	76	74	72	70	68	67	66	64	62	60	58	56	54	52	50	48	46	44	42	41	40	39	65 - 93
7	76	74	73	71	70	69	67	66	65	64	62	60	58	56	54	52	50	48	46	44	42	41	40	39	66 - 92
8	74	72	70	69	67	65	62	61	59	57	54	52	50	48	46	44	42	40	38	36	34	32	31	30	61 - 84
9	77	75	73	71	70	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	61 - 84
10	78	77	76	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	64 - 85
11	76	75	73	72	71	69	67	66	65	64	62	60	59	58	57	56	55	54	53	52	51	50	49	48	70 - 82
12	79	78	76	74	72	70	68	67	66	64	62	60	58	57	55	54	53	52	51	50	49	48	47	46	68 - 90
13	83	81	79	77	75	73	71	70	69	68	66	64	62	60	58	56	54	52	51	50	49	48	47	46	70 - 93
14	76	74	73	73	71	70	69	67	67	67	65	63	61	60	59	57	56	55	54	53	52	51	50	49	65 - 76
15	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	59 - 88
16	80	78	77	75	74	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	68 - 88
17	80	78	77	75	73	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	60 - 80
18	61	60	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	53 - 70
19	53	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	56 - 77
20	70	69	68	66	64	63	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	60 - 70
21	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	55 - 67
22	61	60	59	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	56 - 67
23	70	69	68	66	64	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	53 - 77
24	73	72	70	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	61 - 90
25	63	61	60	59	58	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	56 - 73
26	63	62	61	60	59	58	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	55 - 71
27	70	68	66	64	62	61	59	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	56 - 76
28	77	75	74	72	70	69	67	67	66	65	64	62	60	59	58	57	56	55	54	53	52	51	50	49	59 - 84
29	78	76	75	73	71	69	68	67	67	66	65	63	61	60	59	58	57	56	55	54	53	52	51	50	67 - 85
30	83	82	79	78	75	73	71	72	73	72	71	69	68	67	66	65	64	63	62	61	60	59	58	57	67 - 92

MEAN. MINIMUM TEMPERATURE IS 62.4 STANDARD DEVIATION IS 5.42  
MEAN. MAXIMUM TEMPERATURE IS 81.4 STANDARD DEVIATION IS 6.71

ASRDC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSIFORM TOP  
YEAR IS 1971. MONTH IS 5.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	87	85	84	82	80	78	76	75	74	73	73	74	76	79	80	84	87	89	91	92	93	93	92	91	89	88	74	93
2	86	85	83	81	79	78	76	74	73	73	74	73	74	76	78	81	82	83	83	83	83	83	82	80	79	73	73	86
3	77	76	74	73	71	69	68	66	66	66	67	67	69	71	72	74	75	77	77	79	78	77	75	74	73	66	66	78
4	71	70	69	68	67	66	65	64	63	62	63	63	65	68	71	73	76	79	82	84	85	85	85	84	82	80	62	65
5	78	77	75	73	71	70	69	67	65	65	67	69	73	75	76	79	81	83	84	85	84	83	82	81	79	65	65	85
6	78	77	75	73	72	71	70	69	67	67	66	66	65	65	65	65	67	67	67	67	66	66	65	64	63	63	63	78
7	62	61	60	59	58	58	57	56	55	57	58	61	63	66	69	72	72	73	72	73	72	73	72	71	70	56	56	73
8	69	68	66	65	63	61	61	59	59	61	61	64	67	70	73	76	79	81	82	82	81	80	80	79	78	59	59	92
9	77	75	73	72	70	69	68	66	65	66	68	71	73	77	80	83	86	89	90	90	90	90	90	89	88	86	65	90
10	82	81	79	78	77	75	74	75	77	80	82	84	85	86	86	89	89	89	88	88	87	86	85	83	83	83	74	69
11	82	80	78	79	76	73	72	71	72	74	77	81	83	86	88	90	91	90	89	88	86	85	85	83	83	83	74	69
12	85	83	82	81	80	79	78	77	76	77	79	82	85	88	91	94	95	97	97	98	98	98	98	96	94	94	76	99
13	82	81	80	80	80	80	80	80	80	81	82	84	85	88	91	92	93	94	93	92	91	92	91	90	89	89	80	94
14	88	87	85	84	82	81	79	78	77	78	79	82	85	87	90	93	95	98	99	100	99	99	97	96	96	96	77	100
15	94	92	90	88	86	85	83	81	81	82	85	87	90	93	96	98	100	101	101	101	101	101	101	99	97	97	81	102
16	95	94	92	91	90	88	87	86	85	85	87	90	92	95	97	98	98	98	98	98	98	98	98	98	98	98	95	99
17	91	89	87	85	83	81	79	78	77	78	79	81	83	85	86	87	88	89	90	90	90	90	90	89	87	85	77	91
18	84	82	80	78	76	74	72	70	70	71	73	77	78	81	84	86	87	87	89	90	90	90	90	88	87	87	70	91
19	85	84	82	80	78	76	74	73	72	72	73	76	79	82	85	88	89	91	92	93	94	93	92	90	90	72	94	
20	89	87	86	84	82	81	79	78	77	77	78	80	83	86	88	90	92	93	93	92	91	91	90	89	87	87	77	93
21	97	95	94	92	91	89	87	86	85	85	87	90	92	95	97	98	98	98	98	98	98	98	98	97	97	97	81	93
22	77	70	69	68	66	65	63	62	63	64	67	70	73	76	78	82	84	85	87	87	86	85	85	85	85	85	62	87
23	84	82	81	80	78	75	73	73	73	74	74	78	80	82	84	86	89	91	93	95	96	96	95	93	93	93	73	96
24	92	90	88	86	84	82	81	79	78	80	82	84	86	88	90	93	95	97	99	99	98	97	97	96	96	96	70	91
25	95	94	92	90	89	87	85	83	82	82	84	85	88	90	92	94	96	98	100	100	100	100	100	101	101	98	100	
26	96	94	92	90	88	87	85	84	82	82	83	84	85	87	88	90	90	91	91	91	90	88	87	85	82	82	96	
27	83	81	79	77	75	73	72	70	69	68	68	68	68	68	68	70	72	73	74	75	75	75	74	73	72	68	68	83
28	70	69	68	66	65	63	62	61	61	60	61	62	67	70	73	75	77	78	79	80	79	78	77	77	60	60	60	
29	76	74	73	72	70	69	68	66	66	66	67	70	73	75	78	81	82	84	85	85	85	85	84	82	81	65	65	
30	80	78	77	75	73	72	70	69	68	68	69	71	73	77	80	82	84	85	85	85	85	85	84	82	81	68	68	
31	80	79	77	76	74	73	72	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	

MEAN MINIMUM TEMPERATURE IS 71.1 STANDARD DEVIATION IS 7.53  
MEAN MAXIMUM TEMPERATURE IS 94.5 STANDARD DEVIATION IS 7.68

NWC TP 5039  
Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25

ONE INCH INTO CRUSIFORM TOP

YEAR IS 1971, MONTH IS 6.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	72	71	70	69	67	65	64	62	61	61	63	66	70	72	76	78	81	83	84	85	85	85	84	82	82	81	81
2	81	79	78	76	75	73	72	70	69	70	70	73	74	77	78	80	82	83	85	85	85	84	83	81	81	80	85
3	80	78	77	75	73	71	70	67	67	67	69	71	73	77	80	83	86	88	89	90	90	90	89	88	87	87	90
4	85	84	82	81	79	77	76	74	74	73	73	74	76	79	82	84	87	89	91	92	93	93	92	91	90	90	93
5	88	87	85	84	82	81	79	78	78	77	78	78	81	83	86	88	91	93	95	97	98	99	99	98	96	96	99
6	95	93	91	89	87	85	84	82	81	81	82	84	87	88	91	93	96	98	100	101	101	101	100	98	98	102	
7	97	95	93	92	89	87	85	84	82	82	82	84	86	88	92	95	97	99	101	103	104	104	104	102	101	101	102
8	99	98	96	94	92	91	89	87	86	85	87	89	92	94	96	98	100	102	103	104	104	104	104	102	101	101	104
9	98	97	95	93	91	89	87	86	84	84	84	85	88	90	92	95	97	99	100	100	100	100	99	97	95	95	100
10	93	92	89	87	85	83	82	80	78	78	78	79	82	84	86	88	90	92	93	94	94	94	93	92	90	90	94
11	88	87	85	84	82	80	78	77	76	76	76	77	80	82	85	88	91	94	96	98	98	98	98	97	96	96	96
12	97	95	94	92	90	88	87	85	84	84	84	85	88	90	93	96	98	100	102	103	104	104	102	101	101	101	101
13	99	98	96	95	93	92	90	89	88	88	88	89	90	92	95	98	101	103	104	104	104	104	104	102	101	101	104
14	100	98	96	94	92	90	88	87	85	85	87	89	92	95	97	100	102	105	107	108	109	109	108	106	106	105	105
15	104	103	101	99	97	95	92	91	89	89	90	91	94	96	98	100	102	106	108	111	113	114	114	112	112	112	114
16	108	106	104	101	100	98	95	94	92	92	93	95	98	101	104	106	109	111	112	113	113	113	112	111	110	110	113
17	107	104	102	101	98	96	95	93	92	92	92	94	98	101	103	106	107	109	110	110	110	110	109	109	107	105	110
18	104	101	99	98	95	94	92	91	89	89	89	90	93	95	99	101	104	107	108	109	109	108	107	105	105	110	
19	104	102	100	98	97	95	93	92	91	91	92	94	98	100	104	106	108	110	110	110	110	110	109	109	107	105	110
20	103	101	99	97	95	93	91	89	88	88	89	92	95	97	100	103	105	108	110	110	112	112	112	110	109	109	114
21	107	105	103	101	98	97	95	93	92	92	93	95	97	101	104	105	108	110	110	111	111	111	111	110	109	107	111
22	106	104	102	100	98	96	94	92	91	91	92	95	98	101	104	106	108	110	112	113	113	112	111	110	109	109	113
23	107	105	103	101	99	97	95	94	92	92	94	95	97	100	103	106	108	109	110	110	110	110	109	108	107	105	110
24	105	103	101	100	99	95	94	92	91	91	91	93	96	98	101	103	106	108	109	110	110	110	108	107	105	104	107
25	102	101	99	98	97	95	94	93	92	92	93	95	97	99	100	102	103	104	105	105	105	104	103	102	102	105	105
26	101	99	98	96	95	93	92	91	89	89	89	90	92	94	95	97	98	100	101	101	101	100	99	98	98	98	101
27	96	95	94	92	91	90	88	87	86	86	86	87	88	89	91	93	94	95	96	96	96	95	95	94	94	94	96
28	92	90	89	88	86	85	84	83	82	82	84	85	88	91	93	95	97	98	98	98	97	97	96	95	94	94	98
29	92	91	89	88	86	84	82	81	80	80	81	83	85	88	91	93	95	98	101	101	102	102	101	100	98	98	102
30	99	97	95	93	91	89	87	86	84	84	85	87	89	91	93	97	99	101	104	105	107	107	106	104	104	102	107

MEAN MINIMUM TEMPERATURE IS 63.6 STANDARD DEVIATION IS A.11  
MEAN MAXIMUM TEMPERATURE IS 103.2 STANDARD DEVIATION IS A.00

ASROC MOTOR IN CONTAINER  
CHANFL 25  
ONE INCH INTO CRUSTIFORM TOP

YEAR IS 1971. MONTH IS 7.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	
1	103	101	99	97	95	93	91	90	88	86	84	82	80	78	76	75	73	71	69	67	65	63	61	59	58	110	
2	104	102	101	98	96	95	93	92	91	89	88	86	85	83	81	80	79	77	75	73	71	69	67	65	64	106	
3	101	99	98	96	95	93	91	90	88	86	85	84	82	80	79	78	77	75	73	71	69	67	65	64	63	107	
4	102	101	99	97	95	93	92	90	88	86	85	84	82	80	79	78	77	75	73	71	69	67	65	64	63	108	
5	103	101	99	98	96	94	92	91	89	88	87	86	84	82	81	80	79	77	75	73	71	69	67	65	64	108	
6	103	101	100	98	96	94	93	92	90	90	91	92	95	97	99	102	104	107	108	108	107	105	105	105	108	108	
7	104	102	101	99	97	95	93	92	90	90	90	91	92	95	97	99	102	104	106	106	107	107	105	105	109	109	
8	103	101	99	98	96	94	92	91	89	89	88	87	86	84	83	82	81	80	79	78	77	76	75	74	74	108	
9	103	101	99	97	95	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	74	74	108	
10	104	102	100	98	97	95	94	92	91	91	92	93	94	96	98	99	101	104	106	106	107	107	106	106	106	110	
11	102	100	98	96	94	92	90	88	87	87	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	74	109
12	105	104	101	100	98	96	94	92	91	92	91	92	95	98	101	103	105	107	108	109	110	109	108	107	107	107	
13	107	105	103	101	99	98	96	95	93	93	95	97	100	103	106	109	111	113	114	115	115	113	112	111	111	111	
14	110	108	106	104	103	101	99	97	96	97	99	103	105	106	109	112	115	117	118	118	117	116	114	114	114	110	
15	111	109	107	105	104	102	101	99	96	96	96	98	101	104	107	108	108	109	109	109	109	108	107	107	107	106	
16	105	103	102	101	99	98	96	95	93	93	95	97	100	103	106	108	110	113	114	115	115	115	113	112	112	112	
17	110	108	106	104	103	101	99	98	96	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
18	95	93	92	91	90	89	88	87	86	87	88	89	90	91	92	93	95	97	97	97	97	97	96	95	95	95	
19	107	105	104	102	101	99	97	96	95	94	95	95	95	97	101	104	107	108	110	111	112	111	110	110	110	115	
20	109	107	105	104	102	100	98	97	96	95	96	97	99	102	105	108	110	114	116	117	117	116	115	114	114	113	
21	112	110	109	107	106	104	103	101	100	100	100	101	101	102	103	104	107	110	111	111	110	109	109	107	106	111	
22	104	103	101	100	98	97	95	94	93	93	94	96	98	102	105	108	112	114	115	116	116	115	115	113	112	112	
23	110	108	106	105	103	102	100	98	97	98	98	99	99	100	102	105	107	111	113	116	117	117	116	116	116	116	
24	112	110	107	105	104	101	99	98	96	96	97	98	101	104	107	109	111	113	114	114	114	113	112	111	111	113	
25	109	107	105	103	101	99	98	96	95	94	95	95	95	97	99	102	105	108	110	112	113	113	112	111	111	113	
26	109	107	105	103	101	99	97	95	94	94	95	95	95	97	99	102	105	109	111	114	116	117	116	115	113	113	
27	110	108	106	104	102	100	98	96	95	95	96	98	100	103	104	109	112	114	116	116	117	116	115	113	113	117	
28	113	110	108	106	104	102	100	98	96	97	98	98	100	102	104	108	111	113	116	118	118	117	116	115	115	118	
29	113	110	108	107	105	103	101	100	98	98	99	99	102	104	107	109	113	116	118	118	117	117	116	115	115	118	
30	115	113	110	108	106	104	102	100	99	98	98	98	100	101	103	105	109	112	114	116	117	117	116	115	115	117	
31	111	109	107	105	104	102	100	98	97	97	98	98	101	103	105	107	110	113	115	116	116	117	117	116	115	97	

MEAN MINIMUM TEMPERATURE IS 92.7 STANDARD DEVIATION IS 3.85  
MEAN MAXIMUM TEMPERATURE IS 117.8 STANDARD DEVIATION IS 4.09

ASPROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSIFORM TOP

YEAR IS 1971. MONTH IS 8.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE TIME MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MIN	MAX				
1	113	110	109	107	105	103	101	99	98	96	95	96	98	101	105	107	111	113	117	118	118	118	117	116	114	98	118				
2	113	111	110	108	107	105	104	102	101	101	104	107	108	111	114	116	118	118	118	118	118	118	118	117	116	101	118				
3	111	110	107	106	104	102	100	98	97	98	100	103	105	108	110	112	113	114	115	115	115	115	115	114	113	111	115				
4	109	107	106	104	103	101	100	98	97	96	97	98	99	101	104	107	110	111	112	112	112	111	110	109	96	113	113				
5	107	106	104	103	101	100	99	98	97	96	97	99	101	103	106	108	110	113	114	115	114	113	111	96	115	115	115				
6	106	107	106	104	103	101	100	98	97	96	98	98	100	104	104	106	107	109	111	111	111	111	111	111	96	115	115				
7	109	107	106	104	103	101	99	98	96	96	96	98	100	104	104	106	108	111	111	112	113	113	111	110	96	113	113				
8	108	106	104	102	101	98	97	95	94	93	94	94	97	98	102	102	105	107	110	112	114	116	116	114	112	93	116	116			
9	110	109	107	106	104	102	101	99	98	97	96	98	100	103	105	107	111	113	115	115	117	118	118	116	112	97	118				
10	110	108	106	104	102	100	98	97	96	96	98	99	102	105	107	111	113	115	115	117	118	118	116	114	112	97	118				
11	111	110	108	106	104	103	101	99	98	97	96	98	100	102	105	107	109	112	114	116	117	117	117	115	96	117	117				
12	110	109	107	105	103	101	100	98	97	96	97	99	101	104	104	105	109	111	113	114	116	116	115	113	112	97	116	116			
13	110	109	107	106	104	103	101	99	98	96	98	98	100	104	104	105	108	110	112	115	116	116	115	114	112	96	116	116			
14	108	106	104	103	101	99	97	96	95	95	94	95	97	100	103	105	108	110	112	112	113	113	113	111	110	98	113	113			
15	105	103	101	99	98	96	95	94	93	92	94	95	98	101	104	106	108	112	112	112	112	110	107	93	111	111					
16	106	104	103	101	99	98	96	95	93	93	94	95	98	100	104	106	108	110	112	113	113	112	111	109	93	113	113				
17	107	106	104	102	101	99	98	95	95	95	95	97	100	103	106	107	109	111	113	115	116	116	115	114	112	97	116	116			
18	107	105	104	102	100	98	96	95	94	93	94	95	98	100	102	105	107	109	111	113	115	116	116	115	114	112	96	116	116		
19	106	104	102	101	99	97	95	94	93	92	93	92	95	98	101	103	105	107	109	111	112	113	113	112	111	109	98	113	113		
20	107	105	103	101	100	98	96	94	93	92	93	95	98	101	102	104	106	107	108	109	110	110	108	107	106	104	92	108	108		
21	103	101	99	97	95	93	92	90	88	88	89	92	94	97	99	102	104	105	106	106	105	106	105	104	102	100	98	106	106		
22	100	98	97	95	93	92	90	89	87	86	86	86	86	86	86	86	86	90	92	95	98	101	102	104	105	106	104	102	98	106	
23	-101	99	97	95	93	91	89	86	86	85	85	85	85	85	85	85	85	87	90	92	95	98	101	101	100	99	97	96	94	101	101
24	96	95	94	93	92	90	89	88	88	88	88	89	90	92	93	93	93	95	95	95	95	95	95	94	93	93	92	86	101	101	
25	92	91	90	89	88	87	85	84	83	83	83	85	87	89	90	94	94	94	97	100	102	104	105	106	107	105	104	103	96	96	96
26	102	101	99	98	96	95	93	92	90	90	90	92	95	98	101	104	106	108	109	110	110	110	108	107	107	106	105	104	103	102	101
27	105	103	101	100	98	96	94	92	91	91	92	93	95	98	101	104	106	108	108	111	111	111	110	108	107	106	105	104	103	102	
28	107	105	103	101	100	98	96	94	93	92	93	94	96	97	98	100	102	104	106	107	107	107	106	105	104	103	102	101	100	97	
29	103	101	100	98	97	95	94	92	91	91	92	93	95	98	101	104	105	107	108	108	108	107	107	105	104	103	102	101	100	98	
30	104	102	101	99	98	95	94	92	90	90	90	92	95	96	98	101	102	103	103	102	100	99	90	104	104	103	102	101	100	98	
31	97	95	93	92	90	88	87	85	84	83	83	85	87	89	92	94	95	97	99	101	101	101	101	101	101	101	101	101	101	101	

MEAN MINIMUM TEMPERATURE IS 92.7 STANDARD DEVIATION IS 4.46

MEAN MAXIMUM TEMPERATURE IS 110.9 STANDARD DEVIATION IS 5.48

ASROC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSIFORM TOP

YEAR IS 1971. MONTH IS 9.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX		
1	96	95	93	91	89	88	86	84	83	82	82	85	88	92	94	97	99	101	102	102	102	101	100	98	82	102		
2	97	95	93	92	90	88	86	85	83	83	84	85	87	90	91	94	95	97	98	99	100	102	102	101	98	83	100	
3	95	93	92	91	89	88	86	84	83	83	83	85	87	89	92	94	97	98	100	102	102	102	101	99	98	83	102	
4	95	94	92	90	88	86	85	83	82	82	83	85	86	88	90	93	96	98	100	101	102	102	101	101	99	98	83	102
5	97	95	93	92	90	88	87	85	84	84	84	87	90	93	95	98	100	101	102	102	102	101	100	98	82	102		
6	98	97	96	94	93	91	89	88	87	87	86	88	91	92	92	91	89	88	88	88	88	88	87	86	85	84	103	
7	83	82	82	80	79	78	77	76	75	75	76	77	80	83	86	89	92	94	97	99	100	101	100	98	97	96	84	103
8	95	94	92	90	88	87	85	84	82	82	84	85	88	92	92	95	97	99	100	101	100	100	98	97	95	94	98	
9	100	99	97	96	94	92	91	90	88	88	89	92	95	96	98	97	99	100	102	104	104	104	103	103	101	98	104	
10	106	104	102	101	101	100	99	98	96	96	96	97	99	101	104	106	106	108	110	110	111	110	108	107	98	111		
11	105	104	103	101	100	98	97	95	95	94	94	95	97	99	101	102	104	105	105	105	105	105	104	103	102	98		
12	106	104	103	101	100	99	98	96	95	95	95	96	98	100	103	105	105	105	105	105	105	105	105	104	103	102	100	
13	106	105	104	102	100	99	97	96	95	95	95	96	98	101	103	106	107	110	112	113	115	115	115	115	115	115	105	
14	111	111	110	107	105	104	102	100	99	98	100	101	101	105	106	110	112	112	112	113	115	115	115	115	115	116		
15	112	110	109	108	107	105	104	102	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	104		
16	112	112	110	108	107	105	104	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103		
17	109	108	107	105	103	101	100	98	97	96	96	97	98	100	101	102	103	104	104	104	104	104	104	104	104	104		
18	96	94	92	89	87	85	83	82	80	79	80	81	82	84	85	87	88	89	90	90	90	90	90	90	90	90	105	
19	85	83	81	79	78	76	73	72	70	70	70	73	75	75	78	82	84	86	88	88	88	88	88	88	88	88	95	
20	86	85	84	82	80	78	76	75	73	73	73	75	78	81	81	84	87	87	88	88	88	88	88	88	88	88		
21	88	86	85	83	82	80	79	78	77	76	77	78	80	83	86	88	90	92	92	92	92	92	92	92	92	92		
22	87	85	84	82	80	78	77	75	74	73	74	76	77	78	81	84	86	88	90	92	93	92	92	90	89	73	92	
23	87	85	83	82	80	78	76	74	73	73	73	75	74	75	74	76	79	81	84	86	88	90	91	92	93	93	92	
24	90	88	86	84	82	80	78	77	75	74	74	76	77	78	80	82	84	88	90	92	94	95	95	94	93	95	95	
25	86	85	83	82	80	78	77	76	75	74	74	76	77	78	78	80	82	85	87	88	90	91	91	91	90	91	91	
26	76	75	73	72	71	69	68	66	65	63	62	60	59	59	59	59	60	60	61	61	62	61	60	60	60	60	60	
27	73	73	72	71	70	69	68	67	66	66	66	68	71	73	74	75	76	77	77	77	77	77	77	77	77	77	77	
28	79	77	76	74	72	71	69	67	66	65	65	67	70	73	74	77	78	80	81	82	81	80	79	78	78	78	78	
29	77	76	74	73	72	70	69	67	66	65	65	67	70	73	75	76	78	79	79	79	79	79	79	79	79	79	79	
30	76	75	74	73	72	71	70	69	69	70	70	71	72	73	73	73	74	74	73	73	72	72	72	72	72	72	72	

MEAN MINIMUM TEMPERATURE IS 80.6 STANDARD DEVIATION IS 10.84  
MEAN MAXIMUM TEMPERATURE IS 102.8 STANDARD DEVIATION IS 19.80

NWC TP 5039

Part 2

ASROC MOTOR IN CONTAINER CHANNEL 25

ONE INCH CRUSIFORM TOP

YEAR IS 1971. MONTH IS 10.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	69	67	66	63	61	60	59	57	56	55	56	58	61	65	68	71	73	75	76	77	76	74	73	73	55	77
2	72	70	69	67	65	62	61	60	58	57	58	60	65	68	70	73	75	77	78	79	79	78	76	76	57	80
3	75	73	72	71	69	68	66	63	62	61	62	65	68	70	73	75	78	79	81	82	81	79	78	61	82	
4	77	76	74	73	72	70	69	68	66	66	66	69	72	74	77	79	82	83	85	86	85	85	83	83	66	86
5	82	81	79	78	76	75	73	72	71	71	73	76	78	81	83	85	86	88	89	88	88	87	87	87	70	89
6	84	82	81	79	78	76	75	73	72	72	72	72	74	77	80	83	85	86	88	89	90	90	91	91	72	92
7	86	85	83	82	80	78	77	75	73	73	73	75	78	81	84	86	88	91	92	92	93	92	92	92	92	93
8	85	85	83	81	80	78	77	75	74	74	74	77	79	82	85	87	89	92	93	94	94	94	94	94	94	94
9	89	88	86	85	83	81	80	78	77	76	76	78	81	84	86	89	91	93	95	95	95	95	95	95	95	95
10	90	89	87	86	84	82	81	79	78	77	77	77	79	81	84	88	90	92	95	97	98	97	96	95	95	95
11	92	90	88	87	85	83	82	80	78	77	78	79	82	84	87	90	93	95	96	97	97	97	96	96	96	96
12	92	90	89	87	85	84	82	80	78	77	78	79	82	84	87	90	93	95	96	97	97	97	96	96	96	97
13	91	90	89	88	87	85	83	82	80	78	77	78	79	81	84	87	90	93	95	96	97	97	97	97	97	97
14	92	90	89	88	87	85	84	82	80	78	77	78	79	81	84	87	90	93	95	95	95	95	95	95	95	95
15	89	87	85	84	82	80	79	78	77	76	76	77	78	79	80	82	84	86	88	89	90	90	90	90	90	90
16	71	70	69	67	65	63	61	60	59	58	58	59	60	61	62	63	63	62	62	61	60	60	60	60	61	61
17	57	56	54	53	52	51	49	48	47	47	46	51	54	56	59	61	63	65	65	63	62	62	61	61	61	62
18	60	59	57	56	55	53	52	51	50	51	52	54	57	60	62	64	66	68	68	67	66	66	66	66	66	66
19	62	61	59	58	56	55	54	52	51	51	53	55	56	58	61	64	66	69	70	71	71	71	70	70	70	71
20	66	65	62	61	59	57	56	54	54	54	54	56	58	59	61	64	68	70	71	71	71	71	70	70	70	71
21	68	67	65	63	62	61	60	58	57	56	56	58	61	64	68	70	73	75	76	77	76	75	73	73	73	73
22	72	70	69	67	66	63	61	60	59	58	58	60	62	66	70	72	74	76	78	78	77	76	75	75	74	75
23	73	72	70	69	67	66	63	62	61	60	61	65	68	70	71	73	74	75	76	76	75	75	75	75	75	75
24	71	70	69	69	68	67	66	65	63	62	62	63	64	66	67	68	69	70	70	69	68	67	66	65	65	66
25	63	62	61	60	58	57	56	55	54	53	53	53	53	54	56	58	60	62	64	61	61	60	60	60	61	63
26	59	58	56	55	54	53	52	52	52	52	52	54	56	57	60	62	66	69	71	72	73	72	71	70	70	71
27	69	68	67	65	64	62	61	60	59	58	59	60	62	65	67	69	70	71	70	70	70	69	68	68	68	73
28	67	66	65	63	62	61	61	60	59	58	57	56	55	55	54	54	56	56	56	55	54	53	53	53	53	57
29	52	51	50	49	48	47	46	45	44	43	43	44	45	45	48	50	51	54	56	56	56	56	56	56	56	56
30	51	50	49	47	46	45	43	42	40	40	41	44	44	45	47	50	53	55	57	59	60	60	60	60	60	61
31	53	52	51	51	50	49	48	47	46	45	44	44	44	45	45	47	50	53	55	57	59	58	57	57	58	58

MEAN MINIMUM TEMPERATURE IS 61.6 STANDARD DEVIATION IS 11.99  
MEAN MAXIMUM TEMPERATURE IS 70.1 STANDARD DEVIATION IS 12.84

ASRDC MOTOR IN CONTAINER CHANNEL 25  
ONE INCH INTO CRUSTIFORM TOP

YEAR IS 1971. MONTH IS 11.

FIRST COLUMN IS DAY OF MONTH AND EACH SUCCEEDING COLUMN IS TEMPERATURE IN DEGREES FAHRENHEIT AT HOUR WHICH IS DESIGNATED AT TOP OF COLUMN. THE LAST TWO COLUMNS GIVE THE MINIMUM AND MAXIMUM TEMPERATURE FOR THE DAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX
1	56	55	53	52	51	49	48	46	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	63
2	56	55	53	51	51	49	47	46	46	47	48	51	54	56	59	61	63	64	65	64	65	64	65	65	65	65
3	58	57	56	54	53	51	50	49	48	49	51	54	57	60	62	66	68	70	70	69	68	66	65	63	63	70
4	61	60	58	56	55	53	52	51	51	52	56	58	61	64	67	69	70	70	69	68	67	66	65	63	63	70
5	64	63	62	61	60	59	58	57	56	56	59	61	64	68	70	72	73	74	74	73	73	71	70	67	66	74
6	67	66	64	62	61	60	59	57	56	57	59	61	63	66	68	70	71	72	71	71	70	68	67	65	65	72
7	63	62	61	59	57	56	54	53	52	53	54	57	60	62	65	67	70	70	70	70	70	69	69	68	68	70
8	67	67	66	64	63	61	60	59	58	58	59	61	64	66	69	70	72	72	71	71	70	68	67	66	66	72
9	64	62	61	60	58	57	56	55	54	54	55	56	58	60	62	65	66	67	67	66	65	64	63	62	62	67
10	61	59	58	57	56	54	53	51	51	53	56	58	60	63	62	65	66	67	67	66	65	64	63	62	62	67
11	63	62	61	60	59	58	57	56	56	57	57	59	61	62	63	64	65	66	66	65	65	64	63	62	62	66
12	64	63	62	62	62	61	61	61	61	61	62	63	63	64	65	65	64	64	63	62	61	60	59	59	59	65
13	57	56	55	54	52	51	50	48	48	49	50	52	54	56	58	59	60	60	60	59	59	58	57	57	57	60
14	57	56	55	54	53	52	51	50	50	51	53	55	57	59	61	62	62	62	61	60	59	58	57	57	57	62
15	56	55	54	53	52	51	50	49	49	50	51	53	55	56	57	59	59	59	59	58	58	57	56	56	56	62
16	56	55	54	53	52	51	50	49	49	50	52	53	55	56	58	60	61	62	62	61	60	58	57	57	57	62
17	56	55	53	52	51	50	48	46	46	46	47	49	51	53	56	57	59	59	59	58	57	56	55	54	54	60
18	53	51	51	49	48	47	45	44	44	44	45	45	47	48	49	50	50	50	50	50	49	49	48	48	48	53
19	47	47	46	45	45	44	43	42	42	42	42	44	44	46	48	50	52	53	53	56	55	55	54	53	52	52
20	51	50	49	49	48	47	46	45	45	45	45	46	46	46	48	50	52	54	56	57	57	56	55	54	53	57
21	52	51	51	50	49	48	47	46	45	45	46	47	49	50	51	52	54	56	56	57	57	57	56	55	54	57
22	50	49	48	47	46	45	44	43	42	42	43	45	47	49	52	53	56	57	57	56	56	55	54	53	52	53
23	52	51	50	49	47	46	45	44	44	44	45	45	47	50	52	55	57	59	59	58	57	56	56	54	54	60
24	54	53	52	51	49	48	47	45	45	45	47	49	51	54	56	58	60	61	61	60	59	58	56	55	54	61
25	56	54	53	51	51	49	48	47	46	46	47	48	50	52	55	57	59	61	61	61	60	59	58	57	56	61
26	56	54	53	52	51	50	48	47	47	46	48	50	51	54	56	58	59	60	60	60	59	58	57	56	56	60
27	56	56	55	54	52	51	50	49	49	50	52	54	56	57	59	60	61	61	60	60	59	58	57	56	55	61
28	56	55	54	53	51	50	49	48	47	47	48	49	51	54	56	58	59	59	58	57	56	56	55	54	53	57
29	56	56	55	54	54	53	52	51	50	49	49	48	48	49	50	52	54	56	56	55	54	53	52	51	50	58
30	58	57	56	54	53	51	50	49	48	48	48	49	49	50	52	54	55	55	54	54	53	52	51	50	58	58

NWC TP 5039  
Part 2

MEAN MINIMUM TEMPERATURE IS 42.1 STANDARD DEVIATION IS 5.82  
MEAN MAXIMUM TEMPERATURE IS 62.9 STANDARD DEVIATION IS 5.82

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13. ABSTRACT

Measurement sites were established at worldwide locations to obtain empirical data that could be used to more accurately predict the thermal environment of dump-stored ordnance. Data obtained from measurement sites in the desert and tropics on solid rocket motors are presented along with an analysis of the data. The data are presented in terms of cumulative probability, maximum-minimum daily temperatures, and in a few cases as diurnal cycles. Part 1 of the report contains a summary of the results and a discussion of the general philosophy regarding the work. Part 2 is a compilation of some of the NWC data runs, exact evidence from which Part 1 is drawn, and will be of interest to only the serious investigator. This effort is not the final word on the NWC investigation, only a sample of the vast information available from this source.

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