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ATMOSPHERIC STRUCTURE WHITE SANDS
MISSILE RANGE, NEW MEXICO. PART 2.
TEMPERATURE, RELATIVE HUMIDITY,
DEW POINT, STATION PRESSURE, DENSITY,
CLOUDS, HYDROMETEORS, AND LITHOMETEORS

Marjorie McLardie Hoidale, et al

Army Electronics Command
White Sands Missile Range, New Mexico

April 1974

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A statistical analysis of exoteric meteorological data is presented for "A" Station, White Sands Missile Range, New Mexico. The atmospheric parameters analyzed are surface temperature, relative humidity, dew point, pressure, density, precipitation, and observed weather and clouds. This climatological information is based on the period of observation from 1951-1973.		

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ATMOSPHERIC STRUCTURE

WHITE SANDS MISSILE RANGE, NEW MEXICO

PART 2

TEMPERATURE, RELATIVE HUMIDITY, DEW POINT, STATION PRESSURE,
DENSITY, CLOUDS, HYDROMETEORS, AND LITHOMETEORS

By

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DR-822

DA Task 1T665702D127-02

ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

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FOREWORD

This report is a revision of Data Report 590 published under the same title in January 1971. The revision updates the original data to cover the period from 1951 through 1973.

Supersedes AD-883071L

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It would be impossible to acknowledge all whose work have made this report possible; however, the authors do wish to acknowledge the very important contribution made by the military surface observers who collected and edited the initial records during the years 1951 through 1973. Without their records this report could never have been written.

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INTRODUCTION

Activities of various projects on the Range often necessitate a knowledge of atmospheric conditions at the surface, or aloft, weeks or months in advance of the scheduled mission. As this is well beyond the capability of the normal 24-56 hour forecast, or the longer five-day outlook, a statistical analysis of exoteric meteorological data is often desirable.

This report presents the frequency of occurrence of the critical meteorological condition, mean values, and extreme conditions classified by months and hours that can be expected at "A" Station, White Sands Missile Range (WSMR), New Mexico, latitude $32^{\circ} 22' 42''$ north, longitude $106^{\circ} 28' 47''$ west, elevation 4,238 feet above mean sea level (MSL). The eight surface parameters so analyzed are temperature, relative humidity, dew point, station pressure, density, precipitation, and observed weather and clouds. The statistical information is based on the observational period 1951-1973. It must be realized, however, that the data presented in this type of statistical analysis are merely an aid and not the final or complete answer to scheduling a mission successfully from the meteorological standpoint. Averages or means do not give information on the random variability of monthly or hourly values or long-term climatic changes.

A statistical analysis of sky cover, surface wind conditions, and visibility appeared in Report 1 of this series [1], while climatological information on upper air data at various test sites on the Range appears in Report 3 in the series [2, 3, 4, 5, 6, 7].

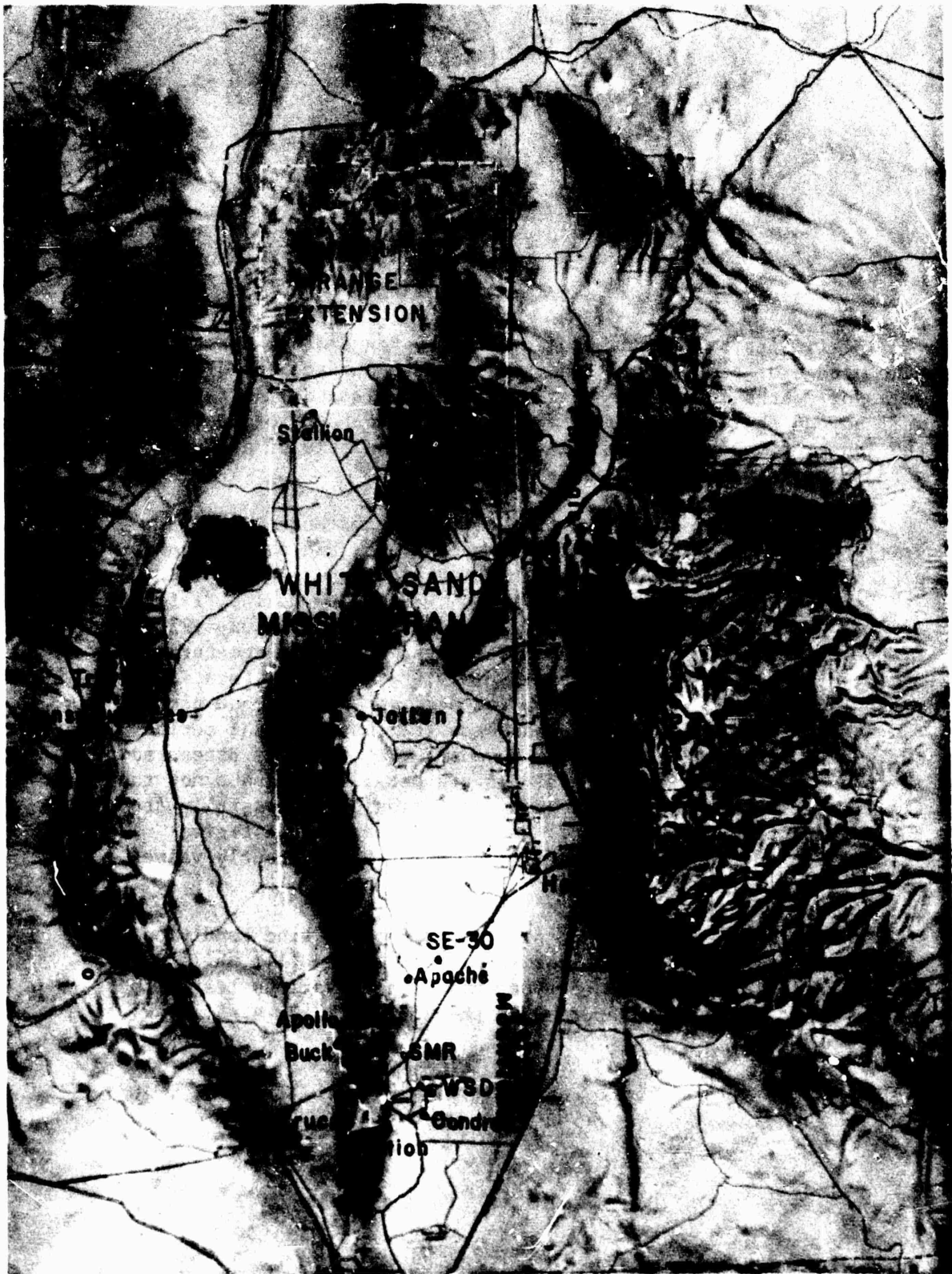


FIGURE 1. MAP OF WHITE SANDS MISSILE RANGE

EXPLANATION OF TERMS

1. DRY-BULB TEMPERATURE. Technically, the ambient temperature registered by the dry-bulb thermometer of a psychrometer. However, it is identical with the temperature of the air and may also be used in that sense. [8]
2. RELATIVE HUMIDITY. The ratio, expressed as a percentage, of the actual vapor pressure in the air to the amount that would be present if the air were saturated at the same pressure and temperature. [8]
3. DEW POINT TEMPERATURE. The temperature to which a given parcel of air must be cooled at constant pressure and constant water-vapor content in order for saturation to occur. [8]
4. STATION PRESSURE. The atmospheric pressure at the assigned station elevation. [8]
5. HYDROMETEORS. A hydrometeor is a meteor consisting of liquid or solid water particles which are either falling through or suspended in the atmosphere, blown from the surface by wind, or deposited on objects. Some examples are fog, rain, drizzle, freezing rain, hail, snow, blowing snow, etc. [8]
6. LITHOMETEORS. A lithometeor is a meteor consisting of a visible concentration of mostly solid, dry particles. The particles are more or less suspended in the air or lifted from the ground by wind. The term includes such dry atmospheric suspensoids as dust, haze, smoke, sand, etc. [8]
7. TEMPERATURE EXTREME. In climatology, the highest and, in some cases, the lowest temperature observed during a given period or during a given month or season of that period. If this is the whole period for which observations are available, it is the absolute extreme. [9]
8. DENSITY. [10]

$$\rho_x = 248.43 \left[\frac{p_x}{K_{vx}} \right] \text{ grams/cubic meter}$$

8. DENSITY. [cont'd]

$$K_{vx} = K_x \left[\frac{P_x}{P_x - 0.378 e_x} \right]$$

$$e_x = 0.0611 f_x 10^{7.5 C_x / C_x + 237.3}$$

$$K_x = C_x + 273.16$$

where,

ρ_x = Density

P_x = Pressure, in millibars

K_{vx} = Virtual temperature in degrees Kelvin

e_x = Partial pressure of aqueous vapor, in millibars

C_x = Temperature, ° Centigrade

K_x = Temperature, Absolute, in ° Kelvin

f_x = Relative humidity, per cent

9. CUMULUS. Dense clouds with vertical development; the upper surface is dome-shaped and exhibits rounded protuberances, while the base is nearly horizontal.

When the cloud is opposite the sun, the surfaces normal to the observer are brighter than the edges of the protuberances. When the light comes from the side, the clouds exhibit strong contrasts of light and shade; against the sun, on the other hand, they look dark with a bright edge. [11]

10. CUMULONIMBUS. Heavy masses of cloud, with great vertical development, whose cumuliform summits resemble mountains or towers, whose upper parts have a fibrous texture, and often spread out in the shape of an anvil.

Virga frequently trails from the base, which resembles nimbostratus. This base has often a layer of very low ragged clouds below it (fractostratus, fractocumulus).

Cumulonimbus clouds are generally associated with showers of rain or snow and sometimes of hail, and often with thunderstorms. [11]

11. MAMMATO-CUMULUS. (Cumulonimbus mammatus). This description is given to all clouds whose lower surfaces resemble pouches. This form is found especially in stratocumulus and in cumulonimbus, either at the base or, more commonly, on the lower surface of anvil projections. It is also found, though rarely, in cirrus clouds, probably when they have originated in the anvil of a dispersing cumulonimbus. [11]
12. CIRRUS. Detached clouds of delicate and fibrous appearance, without shading (except cirrus nothus), generally white in color, often of a silky appearance.

Cirrus appears in such forms as isolated tufts, lines drawn across a blue sky, branching feather-like plumes, curved lines ending in tufts, etc.; they are often arranged in bands which cross the sky like meridian lines, and which, owing to the effect of perspective, converge to a point on the horizon, or two opposite points (cirrostratus and cirrocumulus often take part in the formation of these bands). [11]

13. CIRROSTRATUS. A thin, whitish veil which does not blur the outlines of the sun or moon, but usually gives rise to halos. Sometimes it is quite diffuse and merely gives the sky a milky look; sometimes it more or less distinctly shows a fibrous structure with disordered filaments. [11]
14. CIRROCUMULUS. A cirriform layer or patch composed of small white flakes or of very small globular masses, usually without shadows, which are arranged in groups or lines, or more often in ripples resembling those of the sand on the seashore. [11]
15. STRATUS. A low, uniform layer of cloud, resembling fog, but not resting on the ground. [11]
16. STRATOCUMULUS. A layer (or patches) composed of laminae, globular masses or rolls; the smallest of the regularly arranged elements are fairly large; they are soft and grey, with darker parts.
17. FRACTOSTRATUS. When a layer of stratus is broken up into irregular shreds, it is designated "fractostratus". [11]
18. FRACTOCUMULUS. This cloud resembles ragged cumulus, in which the different parts show constant change. [11]

19. **ALTOCUMULUS.** A layer (or patches) composed of laminae or rather flattened globular masses, the smallest elements of the regularly arranged layer being fairly small and thin, with or without shading. These elements are arranged in groups, in lines, or waves, following one or two directions, and are sometimes so close together that their edges join.

The thin translucent edges of the elements often show irisations which are rather characteristic of this class of cloud. [11]

20. **ALTOSTRATUS.** Straited or fibrous veil, more or less grey or bluish in color. This cloud is like thick cirrostratus but without halo phenomena; the sun or moon shows vaguely, with a faint gleam, as though through ground glass. Sometimes the sheet is thin, with forms intermediate with cirrostratus. Sometimes it is very thick and dark, sometimes even completely hiding the sun or moon. In this case differences of thickness may cause relatively light patches between very dark parts; but the surface never shows real relief, and the straited or fibrous structure is always seen in places in the body of the cloud.

Every form is observed between high altostratus and cirrostratus on the one hand, and low altostratus and nimbostratus on the other.

Rain or snow may fall from altostratus (altostratus precipitans), but when the rain is heavy, the cloud layer will have grown thicker and lower, becoming nimbostratus; but heavy snow may fall from a layer that is definitely altostratus. [11]

21. **NIMBOSTRATUS.** A low amorphous and rainy layer, of a dark grey color, usually nearly uniform; feebly illuminated seemingly from inside. When precipitation occurs, it is in the form of continuous rain or snow. However, nimbostratus may occur without rain or snow.

There is often precipitation which does not reach the ground; in this case the base of the cloud is usually diffuse and looks wet because of the general trailing precipitation, virga, so that it is not possible to determine the limit of its lower surface. [11]

SECTION I

TEMPERATURE, RELATIVE HUMIDITY, AND DEW POINT

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TABLE I
 MEAN NUMBER OF DAYS PER MONTH - DRY BULB TEMPERATURE
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)							TOTAL DAYS OBSERVED
	<32	>20	<32	>10	<20	>0	<10	
JAN	11	9		1		0	0	645
FEB	7	6		0		0	0	588
MAR	3	2		0		0	0	646
APR	0	0		0		0	0	625
MAY	0	0		0		0	0	655
JUN	0	0		0		0	0	633
JUL	0	0		0		0	0	650
AUG	0	0		0		0	0	656
SEP	0	0		0		0	0	635
OCT	0	0		0		0	0	661
NOV	3	2		0		0	0	632
DEC	11	9		0		0	0	667

TABLE I (CONT)

MEAN NUMBER OF DAYS PER MONTH - DRY BULB TEMPERATURE

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

MONTH	DRY BULB TEMPERATURE (DEG F)			TOTAL
	> <u>100</u>	> <u>95</u>	> <u>90</u>	DAYS OBSERVED
JAN	0	0	0	645
FEB	0	0	0	588
MAR	0	0	0	646
APR	0	0	0	625
MAY	0	1	6	655
JUN	2	10	20	633
JUL	3	13	23	650
AUG	1	6	18	656
SEP	0	1	8	635
OCT	0	0	0	661
NOV	0	0	0	632
DEC	0	0	0	667

TABLE II

MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS BY MONTH - DRY BULB TEMPERATURE

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

DRY BULB TEMPERATURE (DEG F)

MONTH	<32			>20 <32			>10 <20			>0 <10			<0			OBSERVATIONS
	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	
JAN	191	87	17	145	64	12	62	9	0	21	1	0	9	0	0	15679
FEB	133	46	0	113	35	0	27	4	0	3	0	0	0	0	0	14372
MAR	78	16	0	68	12	0	4	0	0	0	0	0	0	0	0	15758
APR	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	15088
MAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15550
JUN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14870
JUL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15543
AUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15750
SEP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15227
OCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15977
NOV	43	13	0	33	9	0	0	0	0	0	0	0	0	0	0	15124
DEC	182	60	11	145	46	3	12	1	0	2	0	0	0	0	0	15236

TABLE II (CONT)

MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS BY MONTH - DRY BULB TEMPERATURE

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

DRY BULB TEMPERATURE (DEG F)

MONTH	>100		>95		>90		OBSERVATIONS
	MAX	MEAN MIN	MAX	MEAN MIN	MAX	MEAN MIN	
JAN	0	0	0	0	0	0	15679
FEB	0	0	0	0	0	0	14372
MAR	0	0	0	0	0	0	15758
APR	0	0	0	0	11	1	15088
MAY	11	0	34	3	75	23	15550
JUN	45	8	122	40	227	120	14870
JUL	48	6	166	46	295	132	15543
AUG	9	1	84	18	204	85	15750
SEP	0	0	35	3	115	28	15227
OCT	0	0	0	0	4	0	15977
NOV	0	0	0	0	0	0	15124
DEC	0	0	0	0	0	0	15236

TABLE III

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

DRY BULB TEMPERATURE (DEG F)*				RELATIVE HUMIDITY (PERCENT)					
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	66.0	42.5	-1.0	651	100	47	9	591	0
1	68.0	41.8	-1.0	657	100	48	8	597	1
2	67.0	40.8	-4.0	657	100	50	9	597	2
3	68.0	40.0	-3.0	657	100	51	10	597	3
4	66.0	39.2	-3.0	657	100	52	9	597	4
5	65.0	38.5	-3.0	657	100	54	10	597	5
6	65.0	37.7	-6.0	658	100	55	8	597	6
7	64.0	37.1	-6.0	660	100	55	11	598	7
8	65.0	38.9	-4.0	660	100	53	10	597	8
9	67.0	42.2	1.0	660	100	48	7	597	9
10	67.0	45.0	4.0	659	100	44	5	596	10
11	69.0	47.7	7.0	660	100	40	5	598	11
12	71.0	50.3	10.0	658	100	37	7	596	12
13	73.0	52.4	14.0	659	96	34	5	597	13
14	75.0	53.8	13.0	661	99	33	4	599	14
15	76.0	54.5	13.0	661	100	32	6	599	15
16	76.0	54.1	12.0	660	100	32	5	598	16
17	74.0	51.7	12.0	649	99	35	4	582	17
18	71.0	48.6	8.0	639	100	39	6	576	18
19	71.0	46.8	7.0	637	100	41	5	574	19
20	70.0	45.8	6.0	639	100	42	6	576	20
21	71.0	44.9	6.0	638	100	43	7	575	21
22	70.0	43.9	4.0	639	100	44	7	576	22
23	68.0	43.3	1.0	640	100	45	6	577	23
BY MONTH	76.0	45.1	-6.0	1563	100	44	4	14184	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	48.0	21.9	-21.0	651
1	49.0	21.8	-21.0	657
2	50.0	21.6	-16.0	657
3	50.0	21.7	-9.0	657
4	49.0	21.5	-17.0	657
5	50.0	21.5	-25.0	657
6	50.0	21.6	-15.0	657
7	49.0	21.2	-21.0	661
8	46.0	22.1	-13.0	659
9	50.0	22.6	-11.0	659
10	49.0	22.9	-13.0	658
11	51.0	22.8	-19.0	660
12	51.0	23.0	-11.0	658
13	49.0	22.6	-14.0	659
14	49.0	22.3	-25.0	661
15	49.0	22.1	-15.0	661
16	49.0	21.8	-18.0	660
17	49.0	21.8	-17.0	649
18	49.0	22.4	-21.0	639
19	48.0	22.2	-14.0	637
20	47.0	22.1	-14.0	639
21	46.0	21.9	-14.0	638
22	46.0	21.6	-23.0	638
23	46.0	21.4	-27.0	640
BY MONTH	51.0	22.0	-27.0	15669

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY AT POINT, AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)			
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	69.0	45.7	10.0	603	100	42	8	545
1	69.0	44.8	9.0	604	100	43	7	546
2	68.0	44.0	10.0	603	100	44	7	545
3	68.0	43.0	13.0	603	100	46	8	545
4	67.0	42.1	10.0	604	100	47	7	546
5	65.0	41.3	8.0	605	100	48	8	566
6	64.0	40.6	9.0	603	100	50	4	545
7	64.0	40.0	10.0	604	100	51	7	546
8	66.0	42.5	12.0	603	100	47	4	545
9	68.0	45.5	15.0	604	100	43	13	546
10	68.0	48.3	13.0	604	100	37	3	546
11	72.0	51.2	17.0	604	100	35	3	564
12	77.0	53.8	17.0	605	99	33	5	547
13	79.0	55.7	18.0	604	96	30	8	546
14	81.0	57.0	17.0	604	99	28	4	547
15	78.0	57.8	21.0	605	97	27	3	547
16	80.0	57.7	21.0	604	96	27	5	547
17	77.0	56.2	20.0	594	98	28	5	551
18	72.0	53.1	18.0	586	96	32	7	528
19	71.0	50.9	18.0	585	99	34	8	527
20	71.0	49.5	18.0	535	98	36	6	528
21	69.0	48.4	18.0	586	96	37	6	528
22	70.0	47.4	15.0	586	97	39	7	528
23	69.0	46.6	12.0	584	98	40	7	545
BY MONTH	81.0	48.5	8.0	14372	100	39	3	13054

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

WEATHER AND EXTREME DEW POINT BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

DEW POINT (DEG F)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	50.0	21.4	-6.0	603
1	52.0	21.5	-9.0	604
2	53.0	21.2	-7.0	603
3	50.0	21.4	-9.0	603
4	51.0	21.5	-6.0	604
5	51.0	21.4	-9.0	605
6	50.0	21.3	-10.0	603
7	48.0	21.3	-6.0	604
8	50.0	21.9	-16.0	603
9	48.0	22.4	-6.0	604
10	51.0	22.5	-19.0	604
11	50.0	22.2	-16.0	604
12	51.0	22.1	-10.0	605
13	51.0	21.4	-8.0	604
14	47.0	20.9	-13.0	604
15	50.0	20.5	-15.0	605
16	49.0	20.1	-12.0	604
17	49.0	19.5	-14.0	594
18	50.0	20.4	-9.0	586
19	47.0	20.6	-7.0	585
20	48.0	20.4	-12.0	585
21	59.0	20.5	-10.0	585
22	48.0	20.7	-10.0	586
23	48.0	20.9	-6.0	583
BY MONTH	59.0	21.2	-19.0	14370

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	75.0	52.1	23.0	664	100	35	7	596	0
1	75.0	51.0	23.0	665	100	34	6	597	1
2	74.0	49.8	23.0	664	97	38	7	596	2
3	74.0	48.9	23.0	665	94	39	6	597	3
4	72.0	47.8	18.0	665	97	41	7	597	4
5	71.0	46.9	18.0	665	98	42	8	597	5
6	71.0	45.9	17.0	663	99	43	8	595	6
7	73.0	46.5	19.0	664	97	43	8	596	7
8	75.0	49.6	23.0	663	99	39	10	595	8
9	75.0	52.3	24.0	663	98	36	7	595	9
10	77.0	55.3	27.0	663	99	32	8	595	10
11	82.0	58.1	28.0	662	98	29	6	594	11
12	82.0	60.2	27.0	665	96	27	6	597	12
13	83.0	62.1	29.0	662	97	25	3	594	13
14	85.0	63.5	30.0	663	95	24	4	595	14
15	85.0	64.2	31.0	663	98	23	5	595	15
16	84.0	64.1	31.0	664	90	23	5	596	16
17	84.0	63.3	31.0	647	87	23	4	575	17
18	82.0	61.2	30.0	638	100	24	5	598	18
19	79.0	59.7	28.0	637	92	27	3	569	19
20	78.0	57.0	27.0	639	100	29	5	571	20
21	77.0	55.6	25.0	640	100	31	5	572	21
22	77.0	54.4	23.0	638	100	32	7	570	22
23	78.0	53.3	23.0	638	96	33	7	570	23
BY MONTH	86.0	55.0	16.0	15758	100	32	3	14122	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	48.0	21.3	-8.0	664
1	47.0	21.5	-6.0	665
2	47.0	21.6	-9.0	664
3	59.0	21.7	-9.0	665
4	47.0	21.7	-5.0	665
5	47.0	21.8	-9.0	665
6	47.0	21.7	-7.0	663
7	47.0	22.5	-7.0	664
8	47.0	22.7	-3.0	663
9	51.0	22.7	-5.0	663
10	55.0	22.9	.0	663
11	56.0	22.4	-4.0	662
12	53.0	22.3	-6.0	665
13	54.0	22.0	-10.0	662
14	56.0	21.3	-11.0	663
15	55.0	20.8	-9.0	663
16	49.0	20.2	-10.0	664
17	48.0	19.3	-9.0	647
18	47.0	19.7	-16.0	636
19	48.0	20.5	-15.0	637
20	47.0	20.7	-14.0	639
21	49.0	21.0	-10.0	640
22	48.0	21.1	-9.0	638
23	48.0	21.2	-5.0	638
BY MONTH	59.0	21.5	-16.0	15758

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	83.0	61.0	37.0	640	94	27	4	597	0
1	83.0	59.7	35.0	641	94	28	4	598	1
2	80.0	58.6	36.0	641	98	29	4	598	2
3	77.0	57.4	35.0	640	99	31	3	597	3
4	77.0	56.2	32.0	641	89	32	4	598	4
5	77.0	55.2	32.0	640	93	34	4	597	5
6	76.0	54.6	31.0	642	85	34	5	599	6
7	77.0	56.9	34.0	641	87	32	5	598	7
8	82.0	59.8	36.0	642	83	29	4	599	8
9	82.0	62.6	35.0	641	95	27	3	598	9
10	83.0	65.5	41.0	641	93	24	3	598	10
11	86.0	68.0	42.0	640	87	22	4	597	11
12	89.0	70.1	44.0	640	83	20	2	596	12
13	92.0	71.9	45.0	642	91	18	2	599	13
14	91.0	73.0	47.0	641	81	17	2	598	14
15	94.0	73.7	47.0	640	75	16	2	597	15
16	93.0	73.7	46.0	641	76	16	2	598	16
17	92.0	73.1	45.0	607	75	16	2	561	17
18	90.0	71.4	45.0	599	78	17	2	557	18
19	88.0	68.8	43.0	597	76	19	1	555	19
20	85.0	66.7	38.0	599	76	21	3	557	20
21	86.0	65.2	37.0	598	85	22	3	556	21
22	84.0	63.7	38.0	596	85	24	4	554	22
23	83.0	62.5	38.0	598	85	25	4	556	23
BY MONTH	94.0	64.5	29.0	15088	99	24	1	14058	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	49.0	22.8	-17.0	640
1	51.0	23.0	-10.0	641
2	50.0	23.1	-13.0	641
3	50.0	23.3	-20.0	640
4	49.0	23.6	-13.0	641
5	51.0	23.8	-20.0	640
6	50.0	24.1	-9.0	642
7	51.0	24.8	-9.0	641
8	51.0	25.0	-10.0	642
9	52.0	24.9	-14.0	641
10	52.0	24.6	-15.0	641
11	54.0	24.2	-8.0	640
12	50.0	23.6	-18.0	639
13	51.0	22.8	-30.0	642
14	52.0	22.3	-20.0	641
15	70.0	21.8	-23.0	640
16	50.0	20.8	-26.0	641
17	52.0	19.9	-22.0	607
18	50.0	19.8	-16.0	599
19	51.0	20.3	-20.0	597
20	48.0	21.0	-16.0	599
21	50.0	21.5	-16.0	598
22	51.0	21.8	-20.0	596
23	51.0	22.1	-15.0	598
BY MONTH	70.0	22.7	-30.0	15087

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

DRY BULB TEMPERATURE (DEG F)*				RELATIVE HUMIDITY (PERCENT)			
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW
0	88.0	68.7	42.0	652	84	27	4
1	87.0	67.2	42.0	652	85	28	1
2	88.0	65.9	41.0	654	83	30	1
3	84.0	64.6	42.0	654	88	31	5
4	82.0	63.4	39.0	667	88	33	4
5	80.0	62.4	40.0	667	91	34	5
6	84.0	63.3	41.0	664	91	34	6
7	90.0	66.1	43.0	664	96	32	6
8	91.0	68.9	48.0	665	82	29	4
9	92.0	71.9	49.0	663	80	26	4
10	96.0	74.7	49.0	665	91	23	4
11	97.0	77.1	48.0	664	84	21	5
12	99.0	79.1	51.0	665	91	19	3
13	101.0	80.8	52.0	664	87	17	3
14	102.0	81.9	51.0	665	77	16	2
15	101.0	82.3	49.0	664	84	15	3
16	103.0	82.1	49.0	665	91	15	2
17	101.0	81.5	51.0	631	91	15	2
18	99.0	80.0	51.0	622	81	16	2
19	95.0	77.4	49.0	622	75	18	2
20	94.0	74.9	48.0	608	85	20	2
21	93.0	73.2	46.0	606	89	22	3
22	92.0	71.7	44.0	607	81	23	3
23	88.0	70.4	45.0	606	83	25	4
BY MONTH	103.0	72.9	38.0	15556	96	24	1
							14536

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

DEW POINT (DEG F)					TOTAL
HOUR	HIGH	MEAN	LOW	OBSERVATIONS	
0	59.0	28.2	-15.0	652	
1	60.0	28.7	-10.0	652	
2	57.0	29.1	-10.0	654	
3	70.0	29.5	-10.0	654	
4	59.0	29.8	-9.0	667	
5	58.0	30.3	-10.0	667	
6	58.0	31.2	-2.0	664	
7	61.0	31.9	-17.0	664	
8	68.0	32.1	-21.0	665	
9	63.0	31.9	-24.0	663	
10	64.0	31.3	-17.0	665	
11	63.0	30.5	-5.0	664	
12	63.0	29.6	-11.0	665	
13	62.0	28.7	-10.0	664	
14	63.0	27.7	-11.0	665	
15	62.0	26.9	-12.0	664	
16	61.0	26.6	-18.0	665	
17	62.0	25.4	-19.0	631	
18	58.0	25.2	-21.0	622	
19	59.0	25.2	-17.0	622	
20	58.0	26.0	-27.0	608	
21	58.0	26.6	-17.0	606	
22	58.0	27.2	-16.0	607	
23	57.0	27.8	-15.0	606	
BY MONTH	70.0	28.7	-27.0	15556	

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	91.0	77.2	57.0	590	92	29	3	546	0
1	92.0	75.7	57.0	611	95	31	3	567	1
2	90.0	74.4	56.0	609	99	33	3	565	2
3	89.0	72.9	54.0	611	98	35	4	567	3
4	90.0	71.6	53.0	643	99	37	3	599	4
5	90.0	70.6	51.0	642	100	39	3	598	5
6	94.0	72.0	52.0	640	100	39	4	596	6
7	94.0	74.9	55.0	641	100	36	6	597	7
8	93.0	77.5	56.0	640	100	33	5	596	8
9	97.0	80.4	57.0	641	98	30	3	597	9
10	100.0	83.1	58.0	640	95	26	4	596	10
11	102.0	85.5	60.0	642	98	24	3	598	11
12	104.0	87.6	61.0	642	99	22	3	598	12
13	105.0	89.3	61.0	640	90	20	3	596	13
14	106.0	90.4	64.0	639	85	18	1	595	14
15	105.0	90.7	61.0	638	95	18	3	594	15
16	106.0	90.6	61.0	641	90	18	1	597	16
17	104.0	89.9	60.0	629	93	18	2	581	17
18	103.0	88.1	62.0	602	98	19	2	557	18
19	100.0	85.8	62.0	601	93	21	2	556	19
20	98.0	83.3	62.0	572	91	23	2	527	20
21	96.0	81.3	60.0	572	87	25	3	527	21
22	94.0	79.9	60.0	571	91	26	3	526	22
23	94.0	78.6	59.0	573	94	28	3	528	23
BY MONTH	106.0	81.3	50.0	14870	100	27	1	13804	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

DEW POINT (DEG F)				TOTAL
HOUR	HIGH	MEAN	LQN	OBSERVATIONS
0	66.0	38.2	-6.0	590
1	65.0	38.8	-13.0	611
2	65.0	39.2	-9.0	609
3	65.0	39.6	-7.0	611
4	65.0	40.0	-9.0	643
5	65.0	40.3	-10.0	642
6	63.0	41.8	2.0	640
7	65.0	42.3	4.0	641
8	67.0	42.5	3.0	640
9	69.0	42.4	-9.0	641
10	74.0	41.7	-2.0	640
11	75.0	40.8	-3.0	642
12	68.0	40.1	-1.0	642
13	66.0	38.9	-1.0	640
14	65.0	38.0	-16.0	639
15	67.0	37.3	-6.0	637
16	67.0	36.7	-15.0	640
17	66.0	36.2	-13.0	629
18	65.0	36.0	-13.0	602
19	65.0	36.2	-9.0	601
20	65.0	36.6	-9.0	572
21	66.0	37.1	-9.0	572
22	65.0	37.5	-9.0	571
23	66.0	37.9	-10.0	573
BY MONTH	75.0	39.1	-16.0	14868

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL	HIGH	MEAN	LOW	TOTAL	HOUR
				OBSERVATIONS				OBSERVATIONS	
0	96.0	77.0	61.0	637	99	46	12	573	0
1	92.0	76.8	61.0	654	99	48	13	588	1
2	90.0	75.5	60.0	654	99	51	13	588	2
3	89.0	74.1	59.0	654	99	53	11	588	3
4	89.0	73.1	59.0	665	99	56	12	599	4
5	87.0	72.0	59.0	664	99	58	11	599	5
6	87.0	72.8	60.0	662	100	57	16	597	6
7	90.0	75.6	62.0	663	100	53	15	597	7
8	92.0	78.2	62.0	662	99	48	13	597	8
9	95.0	81.1	61.0	663	97	44	11	599	9
10	97.0	83.6	62.0	663	97	39	10	599	10
11	101.0	86.2	62.0	662	97	36	9	597	11
12	104.0	88.3	63.0	665	96	32	8	600	12
13	104.0	89.9	64.0	664	94	30	8	599	13
14	104.0	90.7	64.0	662	98	29	9	597	14
15	105.0	91.2	65.0	662	100	28	8	597	15
16	105.0	90.5	65.0	662	94	29	4	598	16
17	106.0	89.7	64.0	648	92	30	8	579	17
18	103.0	88.2	65.0	621	92	31	9	558	18
19	99.0	85.7	64.0	619	93	35	10	556	19
20	97.0	83.4	65.0	609	99	38	10	547	20
21	96.0	81.9	62.0	609	99	40	10	546	21
22	96.0	80.5	62.0	610	97	42	11	547	22
23	95.0	79.2	61.0	609	98	45	12	546	23
BY MONTH	107.0	81.9	59.0	15543	100	42	2	13991	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

DEW POINT (DEG F)

HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	68.0	52.9	25.0	636
1	68.0	53.9	25.0	652
2	66.0	54.3	26.0	651
3	67.0	54.5	25.0	652
4	68.0	54.9	24.0	663
5	67.0	55.1	26.0	662
6	69.0	55.7	28.0	661
7	70.0	55.9	27.0	661
8	69.0	55.7	29.0	661
9	73.0	55.4	23.0	663
10	74.0	54.6	22.0	663
11	77.0	54.0	24.0	661
12	75.0	53.0	23.0	664
13	76.0	52.2	26.0	664
14	77.0	51.6	26.0	662
15	76.0	50.8	23.0	662
16	74.0	50.5	26.0	662
17	72.0	50.7	27.0	648
18	72.0	50.9	24.0	621
19	73.0	51.7	27.0	619
20	78.0	52.2	25.0	609
21	73.0	52.6	24.0	609
22	71.0	53.1	24.0	610
23	67.0	53.6	25.0	609
BY MONTH	78.0	53.4	22.0	15525

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

DRY BULB TEMPERATURE (DEG F)*				RELATIVE HUMIDITY (PERCENT)					
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	90.0	76.0	61.0	656	99	49	15	592	0
1	87.0	74.7	62.0	666	99	52	16	601	1
2	86.0	73.5	60.0	666	98	54	16	601	2
3	84.0	72.4	59.0	665	100	56	5	600	3
4	85.0	71.2	56.0	666	99	59	15	601	4
5	82.0	70.4	57.0	664	99	60	15	599	5
6	82.0	70.3	58.0	662	100	61	20	597	6
7	86.0	73.0	61.0	665	100	57	1	600	7
8	87.0	76.0	61.0	665	100	51	17	600	8
9	93.0	79.0	61.0	665	97	46	17	600	9
10	97.0	81.7	63.0	664	97	42	14	599	10
11	97.0	84.1	63.0	666	98	38	12	601	11
12	98.0	86.2	64.0	665	97	35	12	600	12
13	100.0	87.6	66.0	666	93	32	11	601	13
14	100.0	88.5	63.0	664	95	31	9	599	14
15	102.0	88.6	65.0	665	92	31	9	600	15
16	101.0	88.3	68.0	665	88	31	9	600	16
17	100.0	87.3	64.0	648	96	32	10	578	17
18	98.0	85.4	65.0	635	87	34	10	570	18
19	94.0	82.8	61.0	635	91	38	12	570	19
20	94.0	80.7	59.0	634	100	41	14	569	20
21	92.0	79.5	62.0	635	90	43	11	570	21
22	91.0	78.4	60.0	635	95	45	12	570	22
23	90.0	77.3	59.0	633	100	47	10	568	23
BY MONTH	103.0	79.7	55.0	15750	100	44	1	14186	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

DEW POINT (DEG F)					TOTAL
HOUR	HIGH	MEAN	LOW	OBSERVATIONS	
0	77.0	54.1	29.0	656	
1	76.0	54.3	29.0	666	
2	77.0	54.4	28.0	664	
3	71.0	54.6	26.0	665	
4	67.0	54.8	27.0	666	
5	66.0	54.9	27.0	664	
6	66.0	55.1	30.0	662	
7	65.0	55.7	31.0	665	
8	66.0	55.4	30.0	665	
9	70.0	55.2	31.0	665	
10	68.0	54.8	33.0	664	
11	69.0	54.3	30.0	666	
12	67.0	53.6	35.0	665	
13	70.0	52.8	30.0	666	
14	67.0	52.1	27.0	664	
15	71.0	51.5	27.0	665	
16	80.0	51.4	27.0	665	
17	66.0	51.1	27.0	648	
18	65.0	51.5	27.0	635	
19	66.0	52.2	30.0	635	
20	65.0	52.9	31.0	634	
21	67.0	53.1	28.0	635	
22	69.0	53.5	28.0	635	
23	69.0	53.7	24.0	633	
BY MONTH	80.0	53.6	24.0	15750	

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	85.0	71.1	47.0	542	99	46	10	579	0
1	85.0	69.7	48.0	640	99	49	13	577	1
2	86.0	68.7	47.0	638	99	51	14	575	2
3	82.0	67.4	47.0	640	97	53	12	577	3
4	81.0	66.3	47.0	641	99	55	15	578	4
5	81.0	65.3	48.0	641	98	57	8	578	5
6	82.0	64.5	47.0	639	98	59	17	576	6
7	83.0	67.0	47.0	637	98	55	15	574	7
8	85.0	70.4	47.0	637	97	50	11	574	8
9	90.0	73.7	48.0	637	99	45	12	574	9
10	90.0	76.8	50.0	638	97	40	10	575	10
11	93.0	79.4	50.0	638	96	36	11	575	11
12	96.0	81.4	50.0	640	92	33	6	577	12
13	96.0	83.0	51.0	641	95	31	7	578	13
14	97.0	84.0	51.0	640	94	29	7	576	14
15	98.0	84.4	53.0	638	92	28	8	575	15
16	98.0	83.9	53.0	640	90	29	9	577	16
17	96.0	82.6	52.0	630	90	30	9	563	17
18	94.0	79.9	49.0	621	90	33	9	558	18
19	89.0	77.2	49.0	623	93	37	7	560	19
20	88.0	75.3	49.0	621	94	40	11	558	20
21	88.0	74.2	50.0	620	100	41	11	557	21
22	86.0	73.0	49.0	622	100	43	10	559	22
23	88.0	72.0	49.0	623	99	45	12	560	23
BY MONTH	98.0	74.6	46.0	15227	100	42	6	13710	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	85.0	71.1	47.0	542	99	46	10	579	0
1	85.0	69.7	48.0	640	99	49	13	577	1
2	86.0	68.7	47.0	638	99	51	14	575	2
3	82.0	67.4	47.0	640	97	53	12	577	3
4	81.0	66.3	47.0	641	99	55	15	578	4
5	81.0	65.3	48.0	641	98	57	8	578	5
6	82.0	64.5	47.0	639	98	59	17	576	6
7	83.0	67.0	47.0	637	98	55	15	574	7
8	85.0	70.4	47.0	637	97	50	11	574	8
9	90.0	73.7	48.0	637	99	45	12	574	9
10	90.0	76.8	50.0	638	97	40	10	575	10
11	93.0	79.4	50.0	638	96	36	11	575	11
12	96.0	81.4	50.0	640	92	33	6	577	12
13	96.0	83.0	51.0	641	95	31	7	578	13
14	97.0	84.0	51.0	640	94	29	7	576	14
15	98.0	84.4	53.0	638	92	28	8	575	15
16	98.0	83.9	53.0	640	90	29	9	577	16
17	96.0	82.6	52.0	630	90	30	9	563	17
18	94.0	79.9	49.0	621	90	33	9	558	18
19	89.0	77.2	49.0	623	93	37	7	560	19
20	88.0	75.3	49.0	621	94	40	11	558	20
21	88.0	74.2	50.0	620	100	41	11	557	21
22	86.0	73.0	49.0	622	100	43	10	559	22
23	88.0	72.0	49.0	623	99	45	12	560	23
BY MONTH	98.0	74.6	46.0	15227	100	42	6	13710	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

DEW POINT (DEG F)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS
0	67.0	47.2	10.0	642
1	65.0	47.3	13.0	640
2	63.0	47.4	16.0	638
3	64.0	47.7	14.0	640
4	65.0	47.8	16.0	641
5	65.0	47.9	3.0	641
6	66.0	48.1	19.0	639
7	64.0	48.8	18.0	637
8	65.0	49.0	21.0	637
9	68.0	48.9	20.0	637
10	67.0	48.5	13.0	638
11	67.0	48.1	21.0	638
12	69.0	47.5	1.0	640
13	71.0	46.7	7.0	641
14	66.0	45.7	7.0	639
15	68.0	45.3	16.0	638
16	65.0	44.9	10.0	640
17	77.0	45.1	15.0	630
18	66.0	45.8	15.0	621
19	67.0	46.5	14.0	623
20	68.0	46.6	4.0	621
21	69.0	46.7	16.0	620
22	68.0	46.7	16.0	622
23	68.0	47.0	15.0	623
BY MONTH	77.0	47.1	1.0	15226

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

DRY BULB TEMPERATURE (DEG F)*				RELATIVE HUMIDITY (PERCENT)					
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	80.0	61.1	38.0	672	100	42	8	602	0
1	79.0	59.9	37.0	672	100	44	10	602	1
2	79.0	59.0	36.0	673	100	45	10	603	2
3	78.0	57.9	38.0	673	100	47	9	603	3
4	75.0	56.9	36.0	673	100	49	13	603	4
5	75.0	55.9	35.0	672	100	50	7	602	5
6	74.0	54.8	34.0	676	100	52	15	606	6
7	77.0	56.3	35.0	674	100	50	14	604	7
8	78.0	60.1	40.0	675	100	45	15	605	8
9	82.0	63.4	47.0	675	100	40	15	605	9
10	83.0	66.5	38.0	673	100	36	8	603	10
11	87.0	69.3	42.0	676	100	33	8	606	11
12	90.0	71.7	43.0	673	98	31	9	603	12
13	90.0	73.5	42.0	671	92	28	7	601	13
14	90.0	74.6	42.0	670	90	27	6	600	14
15	90.0	75.0	44.0	673	94	26	6	603	15
16	90.0	74.4	44.0	670	96	26	9	600	16
17	88.0	72.3	43.0	651	100	28	8	578	17
18	84.0	68.7	42.0	647	100	33	11	578	18
19	83.0	66.5	41.0	648	96	35	9	579	19
20	81.0	65.1	41.0	647	97	37	9	578	20
21	80.0	64.0	40.0	649	97	38	10	580	21
22	80.0	62.8	40.0	647	97	39	9	578	22
23	80.0	61.8	40.0	647	98	41	8	578	23
BY MONTH	92.0	64.6	33.0	15977	100	39	6	14300	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

DEW POINT (DEG F)					TOTAL
HOUR	HIGH	MEAN	LOW	OBSERVATIONS	
0	65.0	36.2	-1.0	672	
1	65.0	36.2	7.0	672	
2	65.0	36.1	4.0	674	
3	65.0	36.3	1.0	673	
4	65.0	36.4	2.0	673	
5	64.0	36.4	-10.0	672	
6	65.0	36.5	.0	676	
7	65.0	37.0	-1.0	674	
8	65.0	37.3	-2.0	675	
9	71.0	37.4	7.0	675	
10	63.0	37.3	-2.0	673	
11	65.0	37.2	4.0	676	
12	65.0	37.1	.0	673	
13	64.0	36.5	-3.0	671	
14	64.0	36.0	2.0	670	
15	63.0	35.4	-2.0	673	
16	63.0	35.2	1.0	670	
17	63.0	35.5	6.0	651	
18	63.0	36.2	8.0	647	
19	63.0	36.2	3.0	648	
20	64.0	36.1	4.0	647	
21	63.0	35.8	5.0	649	
22	63.0	35.8	5.0	647	
23	64.0	35.8	2.0	647	
BY MONTH	71.0	36.3	-10.0	15978	

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

DRY BULB TEMPERATURE (DEG F)*				RELATIVE HUMIDITY (PERCENT)					
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	71.0	49.6	27.0	635	100	45	7	577	0
1	70.0	48.7	27.0	637	97	46	7	579	1
2	72.0	47.9	26.0	637	100	47	7	579	2
3	69.0	46.9	25.0	636	100	49	7	578	3
4	68.0	46.1	24.0	637	98	50	11	579	4
5	67.0	45.2	25.0	640	97	52	7	582	5
6	67.0	44.3	24.0	636	100	54	7	578	6
7	66.0	44.5	26.0	636	98	53	8	578	7
8	69.0	47.8	26.0	634	98	48	8	576	8
9	70.0	50.9	30.0	636	100	43	9	578	9
10	72.0	53.7	31.0	636	98	39	11	578	10
11	74.0	56.4	32.0	637	98	36	6	579	11
12	78.0	58.9	32.0	634	100	33	8	576	12
13	80.0	60.9	32.0	634	100	31	8	576	13
14	79.0	62.0	33.0	633	93	29	6	575	14
15	81.0	62.4	33.0	634	92	29	6	576	15
16	81.0	61.6	33.0	633	91	30	8	575	16
17	76.0	58.5	31.0	630	100	34	5	574	17
18	74.0	55.6	32.0	615	100	38	9	555	18
19	73.0	54.0	30.0	615	99	40	9	555	19
20	73.0	52.9	29.0	614	100	41	9	554	20
21	72.0	51.9	28.0	614	100	42	9	554	21
22	71.0	51.0	28.0	613	100	44	10	553	22
23	70.0	50.2	27.0	618	100	45	9	558	23
BY MONTH	84.0	52.6	24.0	15124	100	42	3	13712	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

DEW POINT (DEG F)					TOTAL
HOUR	HIGH	MEAN	LOW	OBSERVATIONS	
0	51.0	27.4	-4.0	634	
1	49.0	27.3	-8.0	636	
2	51.0	27.2	-12.0	636	
3	51.0	27.2	.0	635	
4	51.0	27.1	1.0	636	
5	50.0	27.1	-3.0	639	
6	52.0	27.2	-2.0	635	
7	51.0	27.2	1.0	635	
8	52.0	27.7	-5.0	633	
9	52.0	27.6	-4.0	636	
10	53.0	27.7	-5.0	636	
11	53.0	27.6	-9.0	637	
12	54.0	27.7	-5.0	634	
13	53.0	27.4	-8.0	634	
14	54.0	27.2	-8.0	633	
15	54.0	27.1	-5.0	634	
16	51.0	26.9	-2.0	633	
17	53.0	28.2	3.0	630	
18	52.0	28.4	-1.0	615	
19	51.0	28.2	.0	615	
20	51.0	28.0	-2.0	614	
21	53.0	27.7	3.0	614	
22	50.0	27.8	.0	613	
23	50.0	27.6	1.0	618	
BY MONTH	54.0	27.5	-12.0	15115	

TABLE III (CONT)

MEAN AND EXTREME DRY BULB TEMPERATURE AND RELATIVE HUMIDITY BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEAR MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

DRY BULB TEMPERATURE (DEG F)*					RELATIVE HUMIDITY (PERCENT)				
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOURLY
0	69.0	42.4	18.0	634	100	50	10	593	0
1	68.0	41.7	18.0	637	100	52	8	596	1
2	67.0	41.0	15.0	638	100	53	15	597	2
3	67.0	40.1	13.0	638	100	54	15	597	3
4	67.0	37.4	15.0	638	100	55	5	597	4
5	68.0	38.7	10.0	639	100	56	10	598	5
6	67.0	38.0	8.0	638	100	57	12	597	6
7	67.0	37.5	9.0	639	100	58	13	595	7
8	68.0	39.8	10.0	650	100	55	12	596	8
9	71.0	42.9	19.0	648	100	50	12	594	9
10	71.0	45.6	23.0	648	100	46	9	594	10
11	70.0	48.2	24.0	650	100	42	6	596	11
12	71.0	50.6	25.0	645	100	38	6	592	12
13	77.0	52.6	25.0	646	100	36	6	593	13
14	76.0	53.9	26.0	644	99	34	4	591	14
15	77.0	54.3	26.0	646	99	34	8	593	15
16	76.0	53.5	27.0	645	100	35	8	594	16
17	72.0	50.5	27.0	622	100	39	9	581	17
18	69.0	47.7	25.0	616	100	43	7	578	18
19	72.0	46.4	24.0	616	100	44	13	578	19
20	70.0	45.6	23.0	614	100	46	11	576	20
21	70.0	44.8	22.0	612	100	47	13	574	21
22	70.0	44.0	21.0	615	100	48	11	577	22
23	69.0	43.2	19.0	618	100	49	10	580	23
BY MONTH	77.0	45.1	8.0	15236	100	47	4	14157	

* THE HIGH AND LOW DRY BULB TEMPERATURE FOR THE MONTH WILL NOT ALWAYS AGREE WITH THE HIGHEST OR LOWEST VALUE FOR THE INDIVIDUAL HOURS. THE HOURLY HIGH-LOW IS BASED ON THE TEMPERATURE READ AT THE TIME THE OBSERVATION IS TAKEN, WHILE THE MONTHLY VALUE IS BASED ON READINGS FROM MAXIMUM-MINIMUM THERMOMETERS OR A THERMOGRAPH TRACE.

TABLE III (CONT)

MEAN AND EXTREME DEW POINT BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

DEW POINT (DEG F)					TOTAL OBSERVATIONS
HOUR	HIGH	MEAN	LOW		
0	50.0	23.3	-19.0		634
1	49.0	23.3	-6.0		637
2	48.0	23.2	-8.0		638
3	47.0	23.1	-7.0		638
4	48.0	22.9	-11.0		638
5	48.0	22.9	-12.0		639
6	49.0	22.8	-7.0		638
7	45.0	22.8	-7.0		639
8	46.0	23.5	-4.0		650
9	47.0	24.0	-2.0		648
10	46.0	24.0	-2.0		648
11	48.0	23.9	-10.0		650
12	47.0	23.9	-8.0		645
13	46.0	24.0	-8.0		646
14	48.0	23.7	-24.0		644
15	48.0	23.7	-7.0		646
16	51.0	23.6	-11.0		645
17	51.0	24.0	-13.0		622
18	48.0	24.3	-10.0		616
19	47.0	24.0	-3.0		616
20	48.0	23.7	-4.0		614
21	51.0	23.9	-8.0		612
22	50.0	23.4	-8.0		615
23	50.0	23.3	-5.0		618
BY MONTH	51.0	23.6	-24.0		15236

TABLE IV

MONTHLY AND ANNUAL TEMPERATURE MEANS AND EXTREMES (°FAHRENHEIT) AT SEVEN WSMR SITES

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
"A" Site	Elevation 4,238 FT MSL							Period of Record 1950-1973					
Mean Max	56	60	66	75	84	93	93	91	86	77	64	56	75
Mean Min	34	38	43	52	60	69	70	69	63	53	41	36	52
Abs Max	76	81	86	94	103	106	107	103	98	92	84	77	107
Abs Min	-6	8	16	29	38	50	59	55	46	33	22	8	-6
WSD Site	Elevation 3,989 FT MSL							Period of Record 1962-1973					
Mean Max	57	61	68	78	87	94	95	92	87	78	66	57	77
Mean Min	25	29	36	46	53	62	67	64	58	45	33	27	45
Abs Max	78	81	89	97	100	108	108	104	98	94	83	75	108
Abs Min	-14	5	6	19	26	41	57	51	37	22	12	5	-14
HMN Site	Elevation 4,090 FT MSL							Period of Record 1963-1973					
Mean Max	55	59	67	76	85	93	95	91	86	77	65	55	75
Mean Min	26	29	36	44	52	61	67	64	58	46	35	28	46
Abs Max	74	78	87	96	100	106	105	106	97	92	81	73	106
Abs Min	-3	7	9	25	27	42	57	53	40	24	17	6	-3
SMR Site	Elevation 3,999 FT MSL							Period of Record 1963-1973					
Mean Max	56	60	68	77	86	92	95	91	86	77	65	56	76
Mean Min	27	31	39	48	56	63	68	65	60	47	37	29	48
Abs Max	78	83	87	96	100	106	108	103	98	93	82	74	108
Abs Min	4	7	9	22	32	42	59	57	42	23	16	6	4
ATACHE Site	Elevation 3,956 FT MSL							Period of Record 1962-1973					
Mean Max	56	60	68	77	86	93	95	92	86	77	65	56	76
Mean Min	24	28	35	44	52	61	66	63	57	44	33	26	44
Abs Max	78	80	89	97	100	108	107	103	99	93	82	75	108
Abs Min	-7	7	7	20	28	42	59	53	37	21	13	2	-7
JALLEN Site	Elevation 4,051 FT MSL							Period of Record 1963-1973					
Mean Max	55	59	67	76	86	92	95	91	85	77	64	55	75
Mean Min	25	29	35	44	52	61	67	65	57	46	34	27	45
Abs Max	76	81	89	98	98	108	106	106	98	92	84	76	108
Abs Min	-2	5	7	22	30	43	58	50	37	28	16	7	-2
STALLION Site	Elevation 4,940 FT MSL							Period of Record 1962-1973					
Mean Max	51	55	63	72	82	89	92	89	83	73	61	51	72
Mean Min	21	25	31	39	48	57	64	61	54	43	31	23	41
Abs Max	72	77	85	93	97	101	104	101	95	90	79	71	104
Abs Min	-16	2	6	17	30	40	54	47	35	20	14	2	-16

TABLE V

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

1-15 JANUARY

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	1	3	18	28	35	13	3	0	0	0	0	308
1	1	3	20	31	28	15	2	0	0	0	0	313
2	1	4	21	33	27	12	2	0	0	0	0	313
3	1	4	25	33	26	11	2	0	0	0	0	313
4	1	5	27	32	26	9	1	0	0	0	0	313
5	1	5	28	32	24	8	1	0	0	0	0	313
6	1	5	32	32	22	8	1	0	0	0	0	313
7	1	6	32	32	22	7	1	0	0	0	0	313
8	1	5	26	31	29	8	2	0	0	0	0	314
9	0	3	14	31	39	11	2	0	0	0	0	314
10	0	2	11	21	41	22	3	0	0	0	0	314
11	0	2	8	14	43	26	6	0	0	0	0	313
12	0	1	7	11	35	37	9	0	0	0	0	314
13	0	1	4	9	30	41	15	0	0	0	0	313
14	0	1	4	6	26	42	21	0	0	0	0	314
15	0	1	4	5	24	41	23	1	0	0	0	317
16	0	1	3	6	27	42	20	1	0	0	0	316
17	0	1	5	9	38	39	9	0	0	0	0	315
18	0	1	8	13	47	26	4	0	0	0	0	311
19	0	2	8	18	47	21	4	0	0	0	0	306
20	0	2	9	23	42	20	3	0	0	0	0	305
21	1	2	11	26	40	17	3	0	0	0	0	306
22	1	2	14	26	39	15	3	0	0	0	0	306
23	1	3	16	29	36	14	2	0	0	0	0	306
BY MONTH	7	3	15	22	33	21	6	0	0	0	0	7477

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 JANUARY

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10	<9	>10	<19	>20	<32	>33	<39	>40	<49	>50	<59	>60	<69	>70	<79	>80	<89	>90	<99	>100	OBSERVATIONS
0	0	0	0	0	10	17	38	26	7	0	0	0	0	0	0	0	0	0	0	0	0	343
1	0	0	0	13	18	40	38	23	6	0	0	0	0	0	0	0	0	0	0	0	0	344
2	0	0	0	14	21	38	38	21	6	0	0	0	0	0	0	0	0	0	0	0	0	344
3	0	0	0	17	20	38	38	19	5	0	0	0	0	0	0	0	0	0	0	0	0	344
4	0	0	0	19	24	37	37	17	3	0	0	0	0	0	0	0	0	0	0	0	0	344
5	0	0	1	21	24	36	36	16	2	0	0	0	0	0	0	0	0	0	0	0	0	344
6	0	0	1	21	27	35	35	14	2	0	0	0	0	0	0	0	0	0	0	0	0	345
7	0	0	1	24	29	31	31	13	1	0	0	0	0	0	0	0	0	0	0	0	0	346
8	0	0	0	19	27	36	36	15	3	0	0	0	0	0	0	0	0	0	0	0	0	346
9	0	0	0	8	22	44	44	20	5	0	0	0	0	0	0	0	0	0	0	0	0	346
10	0	0	0	5	14	37	37	36	8	0	0	0	0	0	0	0	0	0	0	0	0	346
11	0	0	0	3	10	33	33	40	15	0	0	0	0	0	0	0	0	0	0	0	0	346
12	0	0	0	2	6	27	27	41	24	0	0	0	0	0	0	0	0	0	0	0	0	345
13	0	0	0	1	5	22	22	40	32	1	0	0	0	0	0	0	0	0	0	0	0	345
14	0	0	0	1	4	18	18	35	38	4	0	0	0	0	0	0	0	0	0	0	0	344
15	0	0	0	0	4	16	16	34	40	6	0	0	0	0	0	0	0	0	0	0	0	345
16	0	0	0	1	4	17	17	36	37	6	0	0	0	0	0	0	0	0	0	0	0	345
17	0	0	0	1	6	19	19	40	32	2	0	0	0	0	0	0	0	0	0	0	0	338
18	0	0	0	2	9	25	25	45	18	1	0	0	0	0	0	0	0	0	0	0	0	333
19	0	0	0	2	13	32	32	37	15	1	0	0	0	0	0	0	0	0	0	0	0	332
20	0	0	0	5	13	34	34	35	13	1	0	0	0	0	0	0	0	0	0	0	0	333
21	0	0	0	7	13	34	34	35	10	0	0	0	0	0	0	0	0	0	0	0	0	332
22	0	0	0	8	16	36	36	31	9	0	0	0	0	0	0	0	0	0	0	0	0	333
23	0	0	0	8	16	40	40	27	9	0	0	0	0	0	0	0	0	0	0	0	0	333
BY MONTH	0	0	0	9	15	32	32	29	14	1	0	0	0	0	0	0	0	0	0	0	0	2196

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 FEBRUARY

DRY BULB TEMPERATURE (DEG F)

HOUR	>=10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	1	10	10	41	24	9	0	0	0	0	322
1	0	2	11	11	39	22	7	0	0	0	0	323
2	0	2	11	20	41	20	6	0	0	0	0	323
3	0	2	14	22	39	19	5	0	0	0	0	323
4	0	2	16	23	38	19	3	0	0	0	0	322
5	0	1	18	24	37	17	2	0	0	0	0	323
6	0	2	21	25	36	15	2	0	0	0	0	322
7	0	2	22	29	33	13	2	0	0	0	0	322
8	0	2	15	25	39	17	3	0	0	0	0	322
9	0	1	8	18	43	25	6	0	0	0	0	322
10	0	1	7	13	33	35	11	0	0	0	0	322
11	0	0	5	9	29	41	16	0	0	0	0	322
12	0	0	4	7	22	38	24	2	0	0	0	323
13	0	0	4	5	20	35	31	5	0	0	0	323
14	0	0	3	4	19	31	32	10	0	0	0	323
15	0	0	3	3	16	31	35	11	0	0	0	323
16	0	0	3	4	17	30	35	11	0	0	0	322
17	0	0	3	5	19	36	32	5	0	0	0	317
18	0	0	4	6	25	40	21	2	0	0	0	313
19	0	0	5	11	32	36	15	1	0	0	0	313
20	0	1	6	12	35	32	13	1	0	0	0	312
21	0	1	7	15	36	29	12	0	0	0	0	313
22	0	1	8	16	37	28	9	0	0	0	0	313
23	0	1	10	16	37	26	8	0	0	0	0	311
BY MONTH	0	1	9	15	32	27	14	2	0	0	0	7674

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)

A STATION - "WHITE SANDS MISSILE RANGE - NEW MEXICO"
PERIOD OF RECORD 1951 - 1973

16-29 FEBRUARY

DRY BULB TEMPERATURE (DEG F)

HOUR	>=10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	6	15	40	30	5	0	0	0	0	281
1	0	0	7	15	40	28	7	0	0	0	0	281
2	0	0	7	20	44	24	6	0	0	0	0	280
3	0	0	8	23	41	25	3	0	0	0	0	280
4	0	0	11	24	41	20	3	0	0	0	0	282
5	0	0	14	24	40	19	2	0	0	0	0	282
6	0	0	16	26	38	18	1	0	0	0	0	281
7	0	0	15	31	36	15	2	0	0	0	0	282
8	0	0	8	21	47	21	2	0	0	0	0	281
9	0	0	5	16	42	32	5	0	0	0	0	282
10	0	0	2	10	36	39	12	0	0	0	0	282
11	0	0	1	7	28	41	22	1	0	0	0	282
12	0	0	1	4	21	42	29	2	0	0	0	282
13	0	0	1	3	18	38	34	6	0	0	0	281
14	0	0	0	2	14	37	37	10	0	0	0	281
15	0	0	0	2	11	35	40	11	0	0	0	282
16	0	0	0	2	11	36	40	10	0	0	0	282
17	0	0	1	3	14	37	37	9	0	0	0	277
18	0	0	1	6	20	43	28	2	0	0	0	273
19	0	0	0	9	26	40	23	1	0	0	0	272
20	0	0	1	9	33	39	17	0	0	0	0	273
21	0	0	3	9	37	34	16	0	0	0	0	273
22	0	0	4	12	37	33	14	0	0	0	0	273
23	0	0	4	14	39	30	12	0	0	0	0	273
BY MONTH	0	0	5	13	32	31	17	2	0	0	0	4698

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TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 MARCH

DRY BULB TEMPERATURE (DEG F)

HOUR	>=10<9	8<7<6	5<4<3	2<1<0	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	3	14	34	26	17	1	0	0	0	322
1	0	0	0	0	4	16	34	28	16	1	0	0	0	323
2	0	0	0	0	5	18	39	24	14	1	0	0	0	322
3	0	0	0	0	7	19	38	24	11	0	0	0	0	323
4	0	0	0	0	9	20	40	22	8	1	0	0	0	323
5	0	0	0	0	10	24	38	22	6	0	0	0	0	323
6	0	0	0	0	12	24	37	21	6	0	0	0	0	323
7	0	0	0	0	11	22	39	22	6	0	0	0	0	323
8	0	0	0	0	4	17	42	27	10	0	0	0	0	322
9	0	0	0	0	3	12	35	35	14	1	0	0	0	322
10	0	0	0	0	2	6	30	37	24	2	0	0	0	323
11	0	0	0	0	1	4	19	40	31	5	0	0	0	321
12	0	0	0	0	1	2	16	35	36	10	0	0	0	323
13	0	0	0	0	1	1	15	31	35	17	1	0	0	322
14	0	0	0	0	1	2	12	28	35	22	1	0	0	321
15	0	0	0	0	1	2	10	30	33	23	2	0	0	322
16	0	0	0	0	1	2	9	30	33	24	1	0	0	322
17	0	0	0	0	0	2	12	31	33	21	1	0	0	317
18	0	0	0	0	1	2	17	31	36	13	0	0	0	311
19	0	0	0	0	1	3	23	33	32	8	0	0	0	312
20	0	0	0	0	2	4	28	32	28	5	0	0	0	313
21	0	0	0	0	2	7	29	33	26	4	0	0	0	314
22	0	0	0	0	2	10	31	31	24	3	0	0	0	313
23	0	0	0	0	2	12	33	29	22	1	0	0	0	313
BY MONTH	0	0	0	0	4	10	27	29	22	7	0	0	0	7673

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 MARCH

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<29	>30<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	1	23	39	26	3	0	0	0	0	342
1	0	0	1	25	40	24	3	0	0	0	0	342
2	0	0	3	26	41	21	2	0	0	0	0	342
3	0	0	3	28	39	18	2	0	0	0	0	342
4	0	0	4	34	35	18	1	0	0	0	0	342
5	0	0	4	35	35	15	0	0	0	0	0	342
6	0	0	5	39	32	12	0	0	0	0	0	342
7	0	0	4	37	36	13	1	0	0	0	0	340
8	0	0	2	30	41	21	1	0	0	0	0	341
9	0	0	1	22	38	33	1	0	0	0	0	341
10	0	0	1	13	35	44	3	0	0	0	0	341
11	0	0	0	9	29	46	5	0	0	0	0	340
12	0	0	0	5	27	41	13	0	0	0	0	341
13	0	0	0	4	22	39	24	1	0	0	0	342
14	0	0	0	4	19	34	31	2	0	0	0	340
15	0	0	0	4	18	32	39	3	0	0	0	342
16	0	0	0	4	16	34	41	4	0	0	0	341
17	0	0	0	5	18	34	42	4	0	0	0	342
18	0	0	0	6	21	41	38	3	0	0	0	330
19	0	0	0	9	28	46	29	2	0	0	0	325
20	0	0	0	14	28	45	17	0	0	0	0	325
21	0	0	0	18	29	42	11	0	0	0	0	326
22	0	0	0	19	33	37	8	0	0	0	0	326
23	0	0	0	19	38	31	7	0	0	0	0	325
BY MONTH	0	0	1	4	18	31	14	1	0	0	0	325
												8085

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

1-15 APRIL

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10	<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	1	13	34	40	11	0	0	0	318
1	0	0	0	0	3	16	37	34	9	0	0	0	319
2	0	0	0	0	3	19	39	33	6	0	0	0	319
3	0	0	0	0	4	23	39	30	5	0	0	0	318
4	0	0	0	0	4	27	40	25	4	0	0	0	319
5	0	0	0	0	6	31	36	24	3	0	0	0	318
6	0	0	0	1	6	30	41	20	2	0	0	0	319
7	0	0	0	0	3	26	44	25	2	0	0	0	318
8	0	0	0	0	0	16	43	35	5	0	0	0	319
9	0	0	0	0	1	8	35	44	12	0	0	0	318
10	0	0	0	0	0	5	24	45	24	1	0	0	319
11	0	0	0	0	0	4	17	41	35	3	0	0	319
12	0	0	0	0	0	3	12	36	42	8	0	0	317
13	0	0	0	0	0	2	8	31	48	12	0	0	319
14	0	0	0	0	0	1	7	27	51	14	0	0	319
15	0	0	0	0	0	1	7	26	50	17	0	0	319
16	0	0	0	0	0	1	5	27	50	16	0	0	319
17	0	0	0	0	0	1	6	29	50	14	0	0	302
18	0	0	0	0	0	1	9	34	46	9	0	0	297
19	0	0	0	0	0	2	14	42	37	4	0	0	297
20	0	0	0	0	0	4	20	46	29	1	0	0	297
21	0	0	0	0	0	5	24	46	24	1	0	0	296
22	0	0	0	0	1	7	27	47	18	0	0	0	295
23	0	0	0	0	1	9	30	45	15	0	0	0	297
BY MONTH	0	0	0	0	1	11	25	35	24	4	0	0	7496

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEAR MEXICO
PERIOD OF RECORD 1951 - 1973

16-30 APRIL

DRY BULB TEMPERATURE (DEG F)

HOUR	>10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	4	30	47	20	0	0	0	322
1	0	0	0	0	5	34	44	15	1	0	0	322
2	0	0	0	0	7	37	46	10	0	0	0	322
3	0	0	0	0	8	42	42	7	0	0	0	322
4	0	0	0	0	12	44	39	4	0	0	0	322
5	0	0	0	0	16	47	34	3	0	0	0	322
6	0	0	0	0	17	47	33	2	0	0	0	323
7	0	0	0	0	7	45	43	5	0	0	0	323
8	0	0	0	0	4	30	54	12	0	0	0	323
9	0	0	0	0	2	22	51	25	0	0	0	323
10	0	0	0	0	1	11	48	39	1	0	0	322
11	0	0	0	0	1	7	37	49	2	0	0	321
12	0	0	0	0	1	5	28	56	6	0	0	323
13	0	0	0	0	0	3	23	54	19	0	0	323
14	0	0	0	0	0	3	18	51	27	1	0	322
15	0	0	0	0	0	4	15	50	30	1	0	322
16	0	0	0	0	0	4	15	52	29	1	0	322
17	0	0	0	0	0	3	15	54	27	1	0	305
18	0	0	0	0	0	6	19	57	17	1	0	302
19	0	0	0	0	1	7	32	51	8	0	0	300
20	0	0	0	0	2	10	42	42	4	0	0	302
21	0	0	0	0	2	15	45	37	2	0	0	302
22	0	0	0	0	3	18	47	31	1	0	0	301
23	0	0	0	0	3	23	49	24	1	0	0	301
BY MONTH	0	0	0	0	4	21	36	31	8	0	0	7592

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

1-15 MAY

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	2	20	41	32	5	0	0	322
1	0	0	0	0	3	23	42	30	2	0	0	323
2	0	0	0	0	4	26	43	26	2	0	0	324
3	0	0	0	0	5	32	43	19	1	0	0	324
4	0	0	0	0	6	36	40	16	0	0	0	324
5	0	0	0	0	9	38	40	13	0	0	0	324
6	0	0	0	0	7	37	43	13	0	0	0	323
7	0	0	0	0	3	29	48	19	1	0	0	324
8	0	0	0	0	1	18	47	32	3	0	0	324
9	0	0	0	0	0	11	36	45	7	0	0	323
10	0	0	0	0	0	7	28	47	18	0	0	324
11	0	0	0	0	0	3	21	48	27	1	0	324
12	0	0	0	0	0	2	16	43	36	2	0	323
13	0	0	0	0	0	2	12	37	44	5	0	323
14	0	0	0	0	0	1	9	35	45	10	0	323
15	0	0	0	0	0	1	9	34	48	6	0	323
16	0	0	0	0	0	1	9	36	48	4	0	323
17	0	0	0	0	0	2	11	32	51	1	0	307
18	0	0	0	0	0	3	12	41	43	1	0	301
19	0	0	0	0	0	4	17	49	30	0	0	301
20	0	0	0	0	0	6	23	54	17	0	0	301
21	0	0	0	0	1	9	29	50	12	0	0	300
22	0	0	0	0	1	11	33	47	8	0	0	301
23	0	0	0	0	1	15	39	40	6	0	0	301
BY MONTH	0	0	0	0	2	14	29	35	19	2	0	7610

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 MAY

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	0	4	38	51	7	0	0	330
1	0	0	0	0	0	6	43	47	4	0	0	329
2	0	0	0	0	0	10	46	41	2	0	0	330
3	0	0	0	0	0	13	52	33	2	0	0	330
4	0	0	0	0	0	18	52	28	1	0	0	343
5	0	0	0	0	0	21	58	20	1	0	0	343
6	0	0	0	0	0	15	60	24	1	0	0	341
7	0	0	0	0	0	6	49	42	3	0	0	340
8	0	0	0	0	0	2	32	59	6	1	0	341
9	0	0	0	0	0	1	19	61	18	1	0	340
10	0	0	0	0	0	0	11	52	36	1	0	341
11	0	0	0	0	0	0	6	41	49	4	0	340
12	0	0	0	0	0	0	4	31	56	9	0	342
13	0	0	0	0	0	0	2	23	59	15	1	341
14	0	0	0	0	0	0	3	17	62	18	1	342
15	0	0	0	0	0	0	2	16	61	21	1	341
16	0	0	0	0	0	0	3	15	60	21	1	342
17	0	0	0	0	0	0	4	16	60	19	1	324
18	0	0	0	0	0	0	6	20	63	11	0	321
19	0	0	0	0	0	1	6	33	57	2	0	321
20	0	0	0	0	0	1	10	45	43	1	0	307
21	0	0	0	0	0	2	15	54	29	1	0	306
22	0	0	0	0	0	1	23	55	21	1	0	306
23	0	0	0	0	0	2	30	54	14	0	0	305
BY MONTH	0	0	0	0	0	4	24	36	30	5	0	7946

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1977

1-15 JUNE

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10≤9	>10≤19	>20≤31	>32≤39	>40≤49	>50≤59	>60≤69	>70≤79	>80≤89	>90≤99	>100	OBSERVATIONS
0	0	0	0	0	0	1	17	59	22	0	0	295
1	0	0	0	0	0	2	23	60	15	0	0	306
2	0	0	0	0	0	3	24	62	11	0	0	303
3	0	0	0	0	0	5	33	57	5	0	0	304
4	0	0	0	0	0	5	45	48	2	0	0	321
5	0	0	0	0	0	7	49	41	2	0	0	321
6	0	0	0	0	0	5	40	51	4	0	0	318
7	0	0	0	0	0	1	24	64	12	0	0	319
8	0	0	0	0	0	1	13	63	23	0	0	318
9	0	0	0	0	0	0	7	49	44	1	0	319
10	0	0	0	0	0	0	4	32	58	5	0	318
11	0	0	0	0	0	0	2	23	62	13	0	320
12	0	0	0	0	0	0	2	13	62	23	0	320
13	0	0	0	0	0	0	1	9	54	36	0	319
14	0	0	0	0	0	0	1	6	48	44	1	318
15	0	0	0	0	0	0	2	6	46	46	1	318
16	0	0	0	0	0	0	2	6	46	46	0	319
17	0	0	0	0	0	0	3	7	48	43	0	313
18	0	0	0	0	0	0	3	12	54	31	0	301
19	0	0	0	0	0	0	5	16	66	12	0	301
20	0	0	0	0	0	0	7	23	69	1	0	285
21	0	0	0	0	0	0	9	36	54	1	0	285
22	0	0	0	0	0	0	12	46	42	1	0	285
23	0	0	0	0	0	0	14	51	34	1	0	288
BY MONTH	0	0	0	0	0	1	14	35	37	13	0	7414

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-30 JUNE

DRY BULB TEMPERATURE (DEG F)

HOUR	>=10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>=100	OBSERVATIONS
0	0	0	0	0	0	0	6	40	52	2	0	295
1	0	0	0	0	0	0	7	53	37	2	0	305
2	0	0	0	0	0	0	10	60	29	1	0	306
3	0	0	0	0	0	0	13	63	24	0	0	307
4	0	0	0	0	0	0	19	65	15	0	0	322
5	0	0	0	0	0	1	24	63	12	0	0	321
6	0	0	0	0	0	0	18	65	16	1	0	322
7	0	0	0	0	0	0	8	60	31	1	0	322
8	0	0	0	0	0	0	4	45	47	5	0	322
9	0	0	0	0	0	0	1	25	61	12	0	322
10	0	0	0	0	0	0	1	13	61	24	0	322
11	0	0	0	0	0	0	1	6	54	38	2	322
12	0	0	0	0	0	0	1	4	38	54	3	322
13	0	0	0	0	0	0	1	2	26	63	8	321
14	0	0	0	0	0	0	0	2	21	64	12	321
15	0	0	0	0	0	0	0	3	19	65	13	320
16	0	0	0	0	0	0	0	3	17	67	13	322
17	0	0	0	0	0	0	1	4	20	65	9	316
18	0	0	0	0	0	0	2	5	29	60	4	301
19	0	0	0	0	0	0	1	9	42	48	0	300
20	0	0	0	0	0	0	1	14	59	26	0	287
21	0	0	0	0	0	0	3	19	66	11	0	287
22	0	0	0	0	0	0	4	26	61	9	0	286
23	0	0	0	0	0	0	5	32	57	6	0	285
BY MONTH	0	0	0	0	0	0	6	28	37	26	3	7456

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 JULY

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	≥100	OBSERVATIONS
0	0	0	0	0	0	0	8	45	44	3	0	307
1	0	0	0	0	0	0	9	52	39	1	0	308
2	0	0	0	0	0	0	12	61	26	1	0	308
3	0	0	0	0	0	0	17	67	16	0	0	308
4	0	0	0	0	0	0	19	71	9	0	0	319
5	0	0	0	0	0	0	26	70	4	0	0	318
6	0	0	0	0	0	0	17	75	7	0	0	317
7	0	0	0	0	0	0	8	67	24	0	0	318
8	0	0	0	0	0	0	5	43	50	1	0	318
9	0	0	0	0	0	0	5	26	64	4	0	318
10	0	0	0	0	0	0	3	16	63	17	0	317
11	0	0	0	0	0	0	3	9	50	38	1	317
12	0	0	0	0	0	0	2	7	36	53	2	319
13	0	0	0	0	0	0	3	4	29	58	7	318
14	0	0	0	0	0	0	2	5	23	62	8	316
15	0	0	0	0	0	0	2	5	22	63	8	316
16	0	0	0	0	0	0	1	6	23	63	7	317
17	0	0	0	0	0	0	2	7	29	55	6	312
18	0	0	0	0	0	0	2	10	33	54	2	299
19	0	0	0	0	0	0	3	14	44	39	0	299
20	0	0	0	0	0	0	3	21	56	3	0	289
21	0	0	0	0	0	0	5	25	61	10	0	287
22	0	0	0	0	0	0	4	31	59	5	0	288
23	0	0	0	0	0	0	6	38	53	3	0	288
BY MONTH	0	0	0	0	0	0	7	32	36	23	2	7421

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 JULY

DRY BULB TEMPERATURE (DEG F)

HOUR	$\geq -10 \leq 9$	$> 10 \leq 19$	$\geq 20 \leq 29$	$\geq 30 \leq 39$	$\geq 40 \leq 49$	$\geq 50 \leq 59$	$\geq 60 \leq 69$	$\geq 70 \leq 79$	$\geq 80 \leq 89$	$\geq 90 \leq 99$	≥ 100	OBSERVATIONS
0	0	0	0	0	0	0	7	52	41	1	0	330
1	0	0	0	0	0	0	10	64	26	0	0	346
2	0	0	0	0	0	0	13	69	18	0	0	346
3	0	0	0	0	0	0	18	72	10	0	0	346
4	0	0	0	0	0	0	21	75	4	0	0	346
5	0	0	0	0	0	0	28	70	2	0	0	346
6	0	0	0	0	0	0	23	74	3	0	0	346
7	0	0	0	0	0	0	10	78	12	0	0	345
8	0	0	0	0	0	0	4	58	38	0	0	345
9	0	0	0	0	0	0	3	36	61	0	0	344
10	0	0	0	0	0	0	2	19	71	1	0	345
11	0	0	0	0	0	0	1	9	68	8	0	346
12	0	0	0	0	0	0	1	6	49	23	0	345
13	0	0	0	0	0	0	1	5	36	45	0	346
14	0	0	0	0	0	0	1	4	33	56	2	346
15	0	0	0	0	0	0	1	4	32	60	2	346
16	0	0	0	0	0	0	1	6	32	61	2	346
17	0	0	0	0	0	0	1	7	32	59	2	345
18	0	0	0	0	0	0	1	9	38	53	1	336
19	0	0	0	0	0	0	2	18	43	46	1	322
20	0	0	0	0	0	0	2	23	53	28	0	320
21	0	0	0	0	0	0	4	30	64	1	0	320
22	0	0	0	0	0	0	5	37	61	4	0	322
23	0	0	0	0	0	0	6	45	56	2	0	322
BY MONTH	0	0	0	0	0	0	7	36	37	19	0	8122

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 AUGUST

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	0	0	8	61	30	0	0	314
1	0	0	0	0	0	0	12	66	23	0	0	322
2	0	0	0	0	0	0	15	72	13	0	0	322
3	0	0	0	0	0	0	22	70	8	0	0	322
4	0	0	0	0	0	0	29	67	4	0	0	322
5	0	0	0	0	0	0	33	64	3	0	0	321
6	0	0	0	0	0	0	34	64	2	0	0	321
7	0	0	0	0	0	0	16	76	8	0	0	322
8	0	0	0	0	0	0	5	63	32	0	0	322
9	0	0	0	0	0	0	2	41	57	1	0	322
10	0	0	0	0	0	0	1	25	66	8	0	321
11	0	0	0	0	0	0	0	15	62	22	0	322
12	0	0	0	0	0	0	1	8	55	36	0	321
13	0	0	0	0	0	0	0	6	44	49	1	322
14	0	0	0	0	0	0	0	5	38	56	1	322
15	0	0	0	0	0	0	1	3	37	57	2	321
16	0	0	0	0	0	0	0	4	39	56	1	322
17	0	0	0	0	0	0	0	6	45	48	1	312
18	0	0	0	0	0	0	0	11	52	37	0	304
19	0	0	0	0	0	0	1	17	65	17	0	304
20	0	0	0	0	0	0	2	25	67	0	0	303
21	0	0	0	0	0	0	2	34	63	1	0	304
22	0	0	0	0	0	0	3	40	57	1	0	304
23	0	0	0	0	0	0	4	51	45	0	0	303
BY MONTH	0	0	0	0	0	0	8	37	38	16	0	7595

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEAR MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 AUGUST

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	0	0	14	65	21	0	0	342
1	0	0	0	0	0	0	19	69	13	0	0	344
2	0	0	0	0	0	0	26	67	8	0	0	344
3	0	0	0	0	0	0	31	64	5	0	0	343
4	0	0	0	0	0	0	40	58	2	0	0	344
5	0	0	0	0	0	0	50	49	1	0	0	343
6	0	0	0	0	0	0	50	46	1	0	0	341
7	0	0	0	0	0	0	25	72	3	0	0	343
8	0	0	0	0	0	0	10	75	15	0	0	343
9	0	0	0	0	0	0	4	57	39	0	0	343
10	0	0	0	0	0	0	2	31	64	2	0	343
11	0	0	0	0	0	0	2	19	70	9	0	344
12	0	0	0	0	0	0	2	10	67	21	0	344
13	0	0	0	0	0	0	1	8	58	32	0	344
14	0	0	0	0	0	0	2	7	51	41	0	342
15	0	0	0	0	0	0	2	8	46	44	0	344
16	0	0	0	0	0	0	1	11	47	41	1	343
17	0	0	0	0	0	0	2	14	49	35	0	336
18	0	0	0	0	0	0	3	19	58	20	0	331
19	0	0	0	0	0	0	5	29	61	5	0	331
20	0	0	0	0	0	0	6	38	55	0	0	331
21	0	0	0	0	0	0	5	47	47	0	0	331
22	0	0	0	0	0	0	9	55	36	0	0	331
23	0	0	0	0	0	0	12	58	30	0	0	330
BY MONTH	0	0	0	0	0	0	13	41	35	11	0	1155

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TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 SEPTEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10≤9	>10≤19	>20≤32	>33≤39	>40≤49	>50≤59	>60≤69	>70≤79	>80≤89	>90≤99	>100	OBSERVATIONS
0	0	0	0	0	0	0	25	65	10	0	0	316
1	0	0	0	0	0	1	33	61	6	0	0	316
2	0	0	0	0	0	1	42	53	4	0	0	314
3	0	0	0	0	0	1	53	44	2	0	0	316
4	0	0	0	0	0	3	64	33	1	0	0	317
5	0	0	0	0	0	3	70	27	1	0	0	319
6	0	0	0	0	0	5	73	22	0	0	0	316
7	0	0	0	0	0	1	53	45	1	0	0	314
8	0	0	0	0	0	0	27	69	4	0	0	313
9	0	0	0	0	0	0	11	69	19	0	0	313
10	0	0	0	0	0	0	5	47	47	0	0	314
11	0	0	0	0	0	0	4	32	61	4	0	317
12	0	0	0	0	0	0	3	20	64	13	0	316
13	0	0	0	0	0	0	3	15	61	21	0	317
14	0	0	0	0	0	0	2	12	59	26	0	316
15	0	0	0	0	0	0	2	13	56	29	0	316
16	0	0	0	0	0	0	3	14	57	26	0	317
17	0	0	0	0	0	0	2	18	64	17	0	314
18	0	0	0	0	0	0	3	26	64	7	0	309
19	0	0	0	0	0	0	6	43	51	0	0	310
20	0	0	0	0	0	0	10	56	34	0	0	309
21	0	0	0	0	0	0	14	61	26	0	0	309
22	0	0	0	0	0	0	18	63	19	0	0	310
23	0	0	0	0	0	0	20	67	13	0	0	311
BY MONTH	0	0	0	0	0	1	23	40	30	6	0	7539

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-30 SEPTEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<14	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	1	7	39	49	5	0	0	326
1	0	0	0	0	0	8	50	40	2	0	0	324
2	0	0	0	0	0	10	53	35	1	0	0	324
3	0	0	0	0	1	12	60	26	1	0	0	324
4	0	0	0	0	2	15	63	21	0	0	0	324
5	0	0	0	0	2	19	63	16	0	0	0	322
6	0	0	0	0	2	25	64	9	0	0	0	323
7	0	0	0	0	1	15	62	22	0	0	0	323
8	0	0	0	0	1	6	43	48	3	0	0	324
9	0	0	0	0	1	3	28	59	10	0	0	324
10	0	0	0	0	0	2	14	61	23	0	0	324
11	0	0	0	0	0	1	10	47	40	1	0	324
12	0	0	0	0	0	1	6	38	48	2	0	321
13	0	0	0	0	0	1	5	26	57	7	0	324
14	0	0	0	0	0	1	4	21	61	11	0	324
15	0	0	0	0	0	1	3	19	62	12	0	322
16	0	0	0	0	0	1	3	20	62	14	0	323
17	0	0	0	0	0	2	6	23	64	14	0	316
18	0	0	0	0	0	2	7	42	48	6	0	312
19	0	0	0	0	0	3	12	55	29	0	0	313
20	0	0	0	0	0	3	20	60	18	0	0	312
21	0	0	0	0	0	4	23	61	12	0	0	311
22	0	0	0	0	0	4	28	59	8	0	0	312
23	0	0	0	0	0	7	34	53	6	0	0	312
BY MONTH	0	0	0	0	1	6	29	38	23	3	0	7688

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

1-15 OCTOBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	1	19	52	27	0	0	0	322
1	0	0	0	0	2	25	52	21	0	0	0	323
2	0	0	0	0	2	30	51	17	0	0	0	324
3	0	0	0	0	3	36	49	12	0	0	0	324
4	0	0	0	0	3	42	46	8	0	0	0	324
5	0	0	0	0	5	46	43	6	0	0	0	322
6	0	0	0	0	8	52	37	4	0	0	0	326
7	0	0	0	0	5	41	46	8	0	0	0	326
8	0	0	0	0	2	18	63	17	0	0	0	326
9	0	0	0	0	0	9	55	35	1	0	0	326
10	0	0	0	0	0	5	35	53	5	0	0	326
11	0	0	0	0	0	3	24	61	13	0	0	327
12	0	0	0	0	0	2	16	51	31	0	0	323
13	0	0	0	0	0	1	10	46	43	0	0	323
14	0	0	0	0	0	1	9	42	48	1	0	322
15	0	0	0	0	0	1	7	40	51	1	0	323
16	0	0	0	0	0	1	9	41	50	0	0	323
17	0	0	0	0	0	1	13	48	38	0	0	315
18	0	0	0	0	0	1	25	63	11	0	0	312
19	0	0	0	0	0	4	37	54	4	0	0	312
20	0	0	0	0	0	6	47	46	1	0	0	312
21	0	0	0	0	1	7	55	37	0	0	0	313
22	0	0	0	0	1	12	54	33	1	0	0	311
23	0	0	0	0	1	17	53	28	0	0	0	313
BY MONTH	0	0	0	0	1	16	37	33	12	0	0	7698

TABLE V (CONT.)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 OCTOBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	0	0	11	54	29	5	0	0	0	350
1	0	0	0	0	13	56	26	4	0	0	0	349
2	0	0	0	1	17	57	23	3	0	0	0	349
3	0	0	0	1	19	58	21	1	0	0	0	349
4	0	0	0	1	24	57	17	1	0	0	0	349
5	0	0	0	1	31	51	16	1	0	0	0	350
6	0	0	0	2	35	51	11	1	0	0	0	350
7	0	0	0	1	28	58	12	1	0	0	0	348
8	0	0	0	0	13	56	29	2	0	0	0	349
9	0	0	0	0	5	38	51	6	0	0	0	349
10	0	0	0	0	3	23	58	16	0	0	0	347
11	0	0	0	0	2	16	50	31	1	0	0	349
12	0	0	0	0	1	11	38	48	2	0	0	350
13	0	0	0	0	1	7	29	55	7	0	0	348
14	0	0	0	0	1	7	24	55	12	0	0	348
15	0	0	0	0	2	6	26	55	11	0	0	350
16	0	0	0	0	1	8	26	55	10	0	0	347
17	0	0	0	0	2	11	33	53	1	0	0	336
18	0	0	0	0	3	18	52	27	0	0	0	335
19	0	0	0	0	5	24	53	18	0	0	0	336
20	0	0	0	0	5	30	52	13	0	0	0	335
21	0	0	0	0	6	35	50	9	0	0	0	336
22	0	0	0	0	8	40	44	8	0	0	0	334
23	0	0	0	0	9	48	37	6	0	0	0	334
BY MONTH	0	0	0	0	10	34	33	20	2	0	0	8279

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 NOVEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	$\geq -10 < 9$	$10 \leq 19$	$20 \leq 29$	$30 \leq 39$	$40 \leq 49$	$50 \leq 59$	$60 \leq 69$	$70 \leq 79$	$80 \leq 89$	$90 \leq 99$	≥ 100	OBSERVATIONS
0	0	0	0	5	31	45	17	2	0	0	0	320
1	0	0	0	6	34	43	17	1	0	0	0	321
2	0	0	0	7	37	40	16	0	0	0	0	321
3	0	0	0	11	41	35	13	0	0	0	0	320
4	0	0	1	12	47	30	10	0	0	0	0	321
5	0	0	1	13	51	25	10	0	0	0	0	323
6	0	0	2	15	52	23	8	0	0	0	0	319
7	0	0	1	14	50	28	7	0	0	0	0	319
8	0	0	0	4	37	45	13	0	0	0	0	318
9	0	0	0	3	23	53	21	0	0	0	0	319
10	0	0	0	1	14	44	38	2	0	0	0	319
11	0	0	0	2	9	32	51	6	0	0	0	319
12	0	0	0	1	4	27	55	13	0	0	0	318
13	0	0	0	1	4	19	51	25	0	0	0	318
14	0	0	0	1	3	17	44	34	0	0	0	317
15	0	0	0	1	3	18	40	37	1	0	0	318
16	0	0	0	1	3	18	47	31	0	0	0	318
17	0	0	0	1	4	28	56	10	0	0	0	316
18	0	0	0	1	9	42	43	5	0	0	0	308
19	0	0	0	2	13	45	36	4	0	0	0	308
20	0	0	0	2	20	45	30	2	0	0	0	308
21	0	0	0	3	22	48	25	2	0	0	0	308
22	0	0	0	3	26	48	21	2	0	0	0	307
23	0	0	0	4	27	45	22	1	0	0	0	310
BY MONTH	0	0	0	5	24	35	29	7	0	0	0	7593

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

16-30 NOVEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>=10<9	>10<14	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	4	17	45	24	10	0	0	0	0	315
1	0	0	5	20	45	22	9	0	0	0	0	316
2	0	0	6	24	41	21	9	0	0	0	0	316
3	0	0	9	25	41	18	7	0	0	0	0	316
4	0	0	8	28	41	18	5	0	0	0	0	316
5	0	0	11	28	39	18	4	0	0	0	0	317
6	0	0	15	29	36	17	3	0	0	0	0	317
7	0	0	14	30	37	16	3	0	0	0	0	317
8	0	0	5	24	42	25	4	0	0	0	0	316
9	0	0	1	15	43	35	6	0	0	0	0	317
10	0	0	1	7	38	41	13	1	0	0	0	317
11	0	0	0	4	30	42	21	2	0	0	0	318
12	0	0	0	3	21	41	31	4	0	0	0	316
13	0	0	0	2	16	38	37	7	0	0	0	316
14	0	0	0	2	13	34	41	10	0	0	0	316
15	0	0	0	2	13	33	41	11	0	0	0	316
16	0	0	0	2	14	35	40	9	0	0	0	315
17	0	0	0	2	22	45	28	2	0	0	0	314
18	0	0	0	5	31	44	19	1	0	0	0	307
19	0	0	1	6	38	39	16	1	0	0	0	307
20	0	0	0	10	41	35	14	0	0	0	0	306
21	0	0	1	13	40	35	12	0	0	0	0	306
22	0	0	2	15	42	29	12	0	0	0	0	306
23	0	0	3	16	43	27	10	0	0	0	0	308
BY MONTH	0	0	4	14	34	30	17	2	0	0	0	7531

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEAR MEXICO
PERIOD OF RECORD 1951 - 1973

1-15 DECEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	7	30	41	17	4	0	0	0	0	321
1	0	0	9	33	37	17	5	0	0	0	0	322
2	0	0	11	33	38	15	4	0	0	0	0	323
3	0	0	14	35	33	15	3	0	0	0	0	323
4	0	0	17	34	33	14	2	0	0	0	0	323
5	0	0	20	35	31	12	3	0	0	0	0	323
6	0	0	25	33	29	11	2	0	0	0	0	323
7	0	0	27	37	24	11	2	0	0	0	0	322
8	0	0	14	34	35	13	3	0	0	0	0	323
9	0	0	6	23	49	18	4	0	0	0	0	323
10	0	0	2	17	48	25	7	1	0	0	0	322
11	0	0	2	11	39	36	12	0	0	0	0	320
12	0	0	2	6	32	43	16	1	0	0	0	320
13	0	0	1	5	26	43	23	2	0	0	0	320
14	0	0	1	4	22	41	28	4	0	0	0	321
15	0	0	1	5	21	37	33	3	0	0	0	321
16	0	0	1	4	25	42	27	2	0	0	0	322
17	0	0	2	6	35	42	15	1	0	0	0	317
18	0	0	2	12	45	31	11	0	0	0	0	314
19	0	0	3	19	43	27	9	0	0	0	0	314
20	0	0	3	21	44	23	9	0	0	0	0	313
21	0	0	5	23	46	20	7	0	0	0	0	311
22	0	0	5	27	42	19	6	0	0	0	0	314
23	0	0	7	28	42	16	6	0	0	0	0	313
BY MONTH	0	0	8	21	36	24	10	1	0	0	0	7668

TABLE V (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF TEMPERATURES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

16-31 DECEMBER

DRY BULB TEMPERATURE (DEG F)

HOUR	>-10<9	>10<19	>20<32	>33<39	>40<49	>50<59	>60<69	>70<79	>80<89	>90<99	>100	OBSERVATIONS
0	0	0	16	29	35	16	4	0	0	0	0	313
1	0	0	17	33	35	12	4	0	0	0	0	315
2	0	0	19	32	34	11	3	0	0	0	0	315
3	0	0	23	34	29	12	3	0	0	0	0	315
4	0	0	24	37	25	12	2	0	0	0	0	315
5	0	0	28	35	22	11	2	0	0	0	0	316
6	0	0	33	31	22	11	2	0	0	0	0	315
7	0	1	35	30	22	11	1	0	0	0	0	317
8	0	0	23	36	29	10	1	0	0	0	0	327
9	0	0	14	26	44	14	2	0	0	0	0	325
10	0	0	8	18	49	22	3	1	0	0	0	326
11	0	0	4	13	45	31	7	0	0	0	0	330
12	0	0	2	9	36	40	12	0	0	0	0	325
13	0	0	2	9	25	48	14	2	0	0	0	326
14	0	0	1	6	24	46	21	2	0	0	0	323
15	0	0	1	5	22	46	25	1	0	0	0	325
16	0	0	2	5	25	45	23	1	0	0	0	323
17	0	0	2	10	31	44	13	0	0	0	0	305
18	0	0	3	16	44	28	10	0	0	0	0	302
19	0	0	5	18	46	23	8	0	0	0	0	302
20	0	0	7	20	46	22	6	0	0	0	0	301
21	0	0	6	23	42	21	7	0	0	0	0	301
22	0	0	10	24	41	20	5	0	0	0	0	301
23	0	0	12	26	38	20	3	0	0	0	9	305
BY MONTH	0	0	12	22	34	24	8	0	0	0	0	7568

SECTION II

DENSITY AND PRESSURE

PAGE

Table VI. Mean and Extreme Density and Station Pressure by Month and by Hour -----	62
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TABLE VI

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY HOUR AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

DENSITY (G/CC.M)				STATION PRESSURE (IN OF HG)					
HOUR	HIGH	MEAN	LOW	TOTAL	HIGH	MEAN	LOW	TOTAL	HOUR
				OBSERVATIONS				OBSERVATIONS	
0	1159.5	1087.2	1035.4	563	26.170	25.767	25.240	563	0
1	1164.0	1088.7	1034.7	567	26.160	25.764	25.260	567	1
2	1219.2	1091.6	1026.8	597	26.180	25.772	25.260	657	2
3	1168.0	1093.1	1031.9	567	26.150	25.766	25.280	567	3
4	1177.4	1094.7	1027.1	567	26.140	25.763	25.280	567	4
5	1215.1	1096.6	1029.8	597	26.180	25.767	25.210	657	5
6	1169.0	1097.9	1027.4	567	26.150	25.767	25.260	567	6
7	1172.0	1100.0	1029.2	569	26.170	25.779	25.290	569	7
8	1217.4	1096.7	1028.9	597	26.230	25.797	25.240	660	8
9	1162.5	1089.6	1023.4	566	26.200	25.803	25.380	567	9
10	1158.1	1083.8	1026.3	566	26.220	25.813	25.380	567	10
11	1186.5	1078.2	1021.2	598	26.240	25.813	25.290	660	11
12	1150.5	1071.2	1019.8	568	26.200	25.779	25.290	568	12
13	1144.2	1065.5	1017.8	568	26.180	25.749	25.230	568	13
14	1174.3	1062.3	1016.0	600	26.160	25.737	25.190	662	14
15	1146.0	1060.0	1015.6	570	26.160	25.724	25.170	570	15
16	1144.8	1060.9	1015.2	569	26.150	25.723	25.170	569	16
17	1176.8	1067.0	1019.4	583	26.160	25.735	25.160	650	17
18	1150.9	1073.0	1019.2	547	26.140	25.734	25.170	547	18
19	1156.3	1077.1	1021.6	545	26.140	25.744	25.210	545	19
20	1194.1	1080.1	1026.0	577	26.200	25.757	25.230	640	20
21	1158.2	1081.9	1026.7	546	26.160	25.758	25.140	546	21
22	1161.5	1084.2	1028.5	547	26.170	25.764	25.250	547	22
23	1207.7	1086.2	1032.3	578	26.210	25.774	25.250	641	23
BY MONTH	1219.2	1082.0	1015.2	13719	26.240	25.765	25.380	14221	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

DENSITY (G/CU.M)				STATION PRESSURE (IN OF HG)					
HOUR	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HOUR
0	1177.8	1080.6	1027.3	517	26.150	25.736	25.270	517	0
1	1180.4	1082.5	1026.3	518	26.150	25.735	25.270	518	1
2	1178.3	1083.3	1028.2	545	26.140	25.728	25.260	603	2
3	1167.7	1066.1	1026.8	517	26.120	25.731	25.250	517	3
4	1173.3	1088.1	1028.5	518	26.110	25.730	25.240	518	4
5	1177.8	1089.0	1031.9	566	26.110	25.726	25.250	605	5
6	1177.5	1091.8	1034.9	517	26.120	25.741	25.290	517	6
7	1174.7	1093.5	1037.3	518	26.130	25.752	25.260	518	7
8	1170.5	1087.7	1033.9	545	26.160	25.760	25.210	603	8
9	1163.6	1082.5	1030.5	518	26.170	25.779	25.290	518	9
10	1169.0	1076.7	1025.0	518	26.170	25.784	25.230	518	10
11	1158.6	1069.3	1021.2	564	26.160	25.771	25.220	604	11
12	1157.3	1064.1	1018.5	518	26.160	25.756	25.270	518	12
13	1152.9	1058.9	1013.7	517	26.130	25.726	25.270	517	13
14	1154.5	1054.6	1009.3	546	26.120	25.699	25.180	603	14
15	1145.1	1053.1	1008.7	518	26.100	25.691	25.240	518	15
16	1145.6	1053.3	1004.2	518	26.100	25.686	25.280	518	16
17	1149.4	1055.6	1014.9	550	26.090	25.680	25.280	593	17
18	1154.1	1063.0	1019.3	500	26.090	25.691	25.310	500	18
19	1155.1	1068.0	1019.8	499	26.110	25.701	25.300	499	19
20	1155.4	1070.6	1020.9	528	26.130	25.705	25.300	585	20
21	1156.3	1074.3	1022.2	500	26.140	25.720	25.280	500	21
22	1164.7	1076.5	1024.2	500	26.150	25.726	25.280	500	22
23	1172.3	1077.6	1024.7	545	26.150	25.727	25.280	584	23
BY MONTH	1180.4	1074.2	1004.2	12600	26.170	25.728	25.180	12991	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

DENSITY (G/CU.M)				STATION PRESSURE (IN OF HG)					
HOUR	HIGH	MEAN	LOW	TOTAL		TOTAL			
				OBSERVATIONS	HOUR	OBSERVATIONS	HOUR		
0	1142.0	1064.1	1014.5	565	26.110	25.677	25.250	565	0
1	1141.9	1066.3	1017.1	566	26.140	25.678	25.250	566	1
2	1139.2	1069.1	1019.1	596	26.140	25.678	25.240	664	2
3	1138.3	1070.4	1018.7	566	26.140	25.672	25.220	566	3
4	1148.5	1072.7	1023.0	566	26.140	25.672	25.190	566	4
5	1148.9	1075.3	1025.0	597	26.120	25.681	25.200	665	5
6	1152.2	1077.6	1025.1	564	26.140	25.691	25.200	564	6
7	1150.7	1076.6	1021.1	565	26.140	25.704	25.220	565	7
8	1139.6	1071.1	1018.2	595	26.170	25.721	25.250	663	8
9	1132.3	1065.2	1015.9	565	26.180	25.726	25.260	565	9
10	1125.5	1059.1	1014.8	565	26.180	25.728	25.300	565	10
11	1118.5	1053.3	1011.0	594	26.170	25.717	25.300	662	11
12	1118.9	1047.8	1005.9	566	26.150	25.698	25.260	566	12
13	1115.2	1043.2	1002.8	563	26.110	25.672	25.240	563	13
14	1112.5	1039.9	998.8	595	26.070	25.649	25.200	662	14
15	1112.3	1037.5	996.7	564	26.020	25.634	25.210	564	15
16	1113.5	1037.4	998.1	565	26.000	25.624	25.200	565	16
17	1115.8	1039.7	999.1	575	26.010	25.624	25.180	646	17
18	1121.1	1043.5	1002.7	537	25.990	25.625	25.210	537	18
19	1124.3	1049.0	1007.4	539	26.000	25.637	25.230	539	19
20	1130.1	1053.4	1009.8	571	26.030	25.651	25.260	638	20
21	1140.3	1056.2	1013.4	541	26.060	25.663	25.280	541	21
22	1145.3	1059.0	1011.9	539	26.070	25.672	25.280	539	22
23	1144.5	1061.9	1010.0	570	26.080	25.679	25.270	637	23
BY MONTH	1152.2	1058.0	996.7	13629	26.180	25.674	25.180	14173	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

DENSITY (G/CC.M)				STATION PRESSURE (IN OF HG)					
HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS	HOUR	TOTAL OBSERVATIONS			
	HIGH	MEAN	LOW			HIGH	MEAN	LOW	
0	1101.5	1045.2	1004.2	573	26.050	25.663	25.330	573	0
1	1102.0	1047.8	1007.7	575	26.070	25.661	25.330	575	1
2	1107.6	1049.7	1009.1	598	26.080	25.659	25.300	640	2
3	1110.0	1052.4	1012.8	574	26.100	25.658	25.290	574	3
4	1116.4	1054.9	1010.4	575	26.110	25.661	25.310	575	4
5	1116.9	1057.0	1010.1	597	26.120	25.670	25.330	639	5
6	1115.9	1058.7	1011.7	575	26.140	25.682	25.350	575	6
7	1110.2	1054.5	1004.5	574	26.160	25.699	25.350	574	7
8	1107.9	1048.9	1005.6	599	26.160	25.710	25.370	642	8
9	1098.6	1043.6	1004.2	574	26.160	25.713	25.370	574	9
10	1092.5	1038.0	1000.9	574	26.160	25.713	25.360	574	10
11	1090.3	1032.5	996.4	597	26.130	25.699	25.320	640	11
12	1084.6	1027.9	992.6	573	26.100	25.678	25.290	573	12
13	1084.6	1023.6	986.9	575	26.060	25.656	25.260	575	13
14	1074.1	1020.4	984.3	598	26.030	25.637	25.220	641	14
15	1074.8	1018.7	982.7	573	26.000	25.615	25.190	573	15
16	1076.7	1018.3	982.3	574	25.980	25.603	25.190	574	16
17	1076.5	1019.2	982.3	561	25.970	25.604	25.250	607	17
18	1083.7	1023.0	987.7	532	25.960	25.603	25.270	532	18
19	1083.7	1028.3	987.7	530	25.960	25.612	25.270	530	19
20	1091.5	1032.6	994.2	557	25.970	25.630	25.320	599	20
21	1095.2	1036.5	996.5	531	25.990	25.646	25.330	531	21
22	1097.1	1039.8	1001.7	529	25.990	25.655	25.340	529	22
23	1099.2	1042.1	1003.6	556	26.020	25.661	25.330	598	23

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

DENSITY (G/CU.M)				STATION PRESSURE (IN OF HG)			
HOUR	HIGH	MEAN	LOW	TOTAL		LOW	TOTAL
				OBSERVATIONS	OBSERVATIONS		
0	1086.9	1030.2	991.7	579	26.100	25.681	579
1	1095.6	1032.9	993.0	579	26.100	25.680	579
2	1093.7	1035.1	991.0	611	26.100	25.678	653
3	1098.6	1038.0	998.0	580	26.090	25.681	580
4	1102.3	1040.3	998.6	593	26.090	25.684	593
5	1100.0	1042.7	1002.5	624	26.080	25.693	666
6	1098.6	1041.3	999.9	591	26.090	25.708	591
7	1090.6	1036.4	990.7	591	26.100	25.722	591
8	1084.4	1031.0	988.7	623	26.100	25.731	665
9	1078.3	1025.2	985.3	590	26.100	25.733	590
10	1079.0	1019.8	980.4	592	26.100	25.730	592
11	1076.7	1014.6	976.8	622	26.080	25.714	664
12	1076.3	1010.4	972.3	592	26.060	25.697	592
13	1073.8	1006.6	969.4	591	26.040	25.677	591
14	1072.2	1003.8	964.2	623	26.020	25.656	665
15	1076.6	1002.5	967.9	591	26.000	25.637	591
16	1072.3	1002.4	962.1	592	26.010	25.624	592
17	1076.7	1003.3	966.0	583	26.020	25.617	631
18	1075.8	1006.3	969.9	548	26.030	25.616	548
19	1077.8	1011.5	977.0	548	26.050	25.626	548
20	1080.8	1016.5	979.1	565	26.060	25.639	602
21	1086.0	1020.6	981.7	532	26.080	25.658	532
22	1090.3	1023.7	983.6	533	26.120	25.669	533
23	1088.7	1026.4	991.0	563	26.100	25.678	606
BY MONTH	1107.3	1021.8	962.1	14036	26.120	25.677	14360

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

DENSITY (G/CU.M)				STATION PRESSURE (IN OF HG)					
HOUR	TOTAL OBSERVATIONS			TOTAL OBSERVATIONS	HOUR	TOTAL OBSERVATIONS			
	HIGH	MEAN	LOW			HIGH	MEAN	LOW	
0	1060.2	1012.2	981.1	516	25.980	25.678	25.380	516	0
1	1060.4	1015.0	976.6	537	25.980	25.677	25.370	537	1
2	1062.1	1017.4	980.9	565	25.980	25.679	25.370	609	2
3	1065.7	1020.3	982.8	537	25.990	25.679	25.390	537	3
4	1067.6	1023.2	985.1	570	25.990	25.686	25.410	570	4
5	1072.0	1025.5	989.4	598	26.020	25.699	25.420	642	5
6	1069.9	1022.9	987.7	566	26.020	25.710	25.430	566	6
7	1063.9	1017.7	984.2	567	26.050	25.723	25.440	567	7
8	1055.6	1013.3	979.4	596	26.060	25.734	25.460	640	8
9	1049.8	1008.0	974.1	567	26.060	25.733	25.470	567	9
10	1047.8	1003.1	970.3	566	26.070	25.730	25.460	566	10
11	1044.4	998.3	965.1	598	26.060	25.718	25.440	642	11
12	1044.3	993.9	962.4	569	26.030	25.701	25.440	569	12
13	1042.3	990.3	961.4	567	26.010	25.680	25.420	567	13
14	1035.4	987.8	958.0	595	25.990	25.663	25.400	639	14
15	1038.7	986.7	958.8	565	25.960	25.643	25.380	565	15
16	1041.4	986.4	956.7	568	25.950	25.630	25.380	568	16
17	1041.6	987.1	955.5	581	25.930	25.618	25.360	629	17
18	1041.1	990.4	961.9	527	25.930	25.617	25.340	527	18
19	1044.0	994.7	967.2	526	25.930	25.623	25.330	526	19
20	1043.5	999.6	971.8	527	25.940	25.635	25.330	572	20
21	1045.0	1003.7	973.4	497	25.960	25.651	25.320	497	21
22	1045.5	1006.7	975.0	496	25.980	25.665	25.310	496	22
23	1049.4	1009.6	977.4	528	25.990	25.678	25.370	573	23
BY MONTH	1072.0	1004.7	955.5	13329	26.070	25.678	25.310	13687	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

DENSITY (G/CU.M)				STATION PRESSURE (IN OF HG)				
HOUR	TOTAL OBSERVATIONS			HOUR	TOTAL OBSERVATIONS			
	HIGH	MEAN	LOW		HIGH	MEAN	LOW	
0	1051.6	1011.0	966.0	534	26.020	25.760	25.540	535
1	1051.2	1013.3	979.7	557	25.960	25.760	25.540	559
2	1052.5	1015.6	985.8	588	25.980	25.761	25.540	654
3	1054.5	1018.2	984.5	557	26.000	25.759	25.550	559
4	1054.0	1020.3	984.3	568	26.000	25.762	25.550	570
5	1054.0	1022.6	992.0	599	26.000	25.774	25.550	664
6	1052.7	1021.4	991.1	566	25.980	25.784	25.560	567
7	1049.9	1016.3	986.9	566	25.980	25.796	25.580	568
8	1050.4	1012.0	985.7	597	25.990	25.806	25.590	662
9	1048.9	1006.5	976.0	568	25.990	25.805	25.590	568
10	1045.2	1001.6	973.4	568	26.000	25.804	25.580	568
11	1046.2	996.8	967.0	598	26.050	25.791	25.570	663
12	1048.9	992.4	961.4	569	26.000	25.774	25.550	570
13	1044.8	989.3	958.9	569	25.990	25.753	25.530	570
14	1041.4	987.2	957.4	598	26.000	25.736	25.500	663
15	1040.0	985.9	957.7	567	25.960	25.716	25.490	568
16	1041.2	986.8	954.4	568	25.940	25.702	25.470	568
17	1036.5	987.7	955.5	580	25.920	25.693	25.470	649
18	1036.8	990.4	961.4	527	25.910	25.692	25.470	527
19	1038.7	995.0	967.2	525	25.910	25.701	25.480	525
20	1042.3	999.9	970.1	547	25.970	25.717	25.500	609
21	1044.7	1003.3	972.1	516	25.980	25.736	25.520	516
22	1048.6	1006.2	972.2	517	25.950	25.749	25.540	517
23	1051.5	1009.0	973.9	547	26.020	25.762	25.530	610
BY MONTH	1054.5	1003.7	954.4	13496	26.050	25.754	25.470	14029

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

HOUR	DENSITY (G/CC.M)				STATION PRESSURE (IN OF Hg)				TOTAL OBSERVATIONS	TOTAL OBSERVATIONS	HOUR
	HIGH	MEAN	LOW	TOTAL OBSERVATIONS	HIGH	MEAN	LOW				
C	1045.2	1015.7	989.0	561	25.970	25.772	25.550	561	0		
1	1046.5	1018.0	990.0	570	25.960	25.771	25.540	570	1		
2	1049.8	1020.3	991.5	601	26.000	25.770	25.530	666	2		
3	1052.3	1022.3	996.5	569	25.960	25.769	25.530	569	3		
4	1058.8	1024.5	998.4	570	25.960	25.771	25.530	570	4		
5	1056.1	1026.5	1000.6	599	25.970	25.778	25.540	664	5		
6	1054.4	1027.0	1000.4	566	25.970	25.788	25.550	566	6		
7	1048.4	1021.8	995.8	569	25.990	25.801	25.560	569	7		
8	1046.1	1016.5	992.5	600	26.000	25.809	25.570	665	8		
9	1045.9	1011.2	983.1	569	26.000	25.814	25.590	569	9		
10	1042.6	1006.1	975.8	568	26.000	25.814	25.580	568	10		
11	1042.3	1001.5	975.8	601	26.010	25.801	25.590	666	11		
12	1041.0	997.0	972.8	569	25.980	25.784	25.580	569	12		
13	1037.4	993.9	968.4	570	25.960	25.764	25.570	570	13		
14	1038.1	991.8	967.7	598	25.950	25.744	25.560	663	14		
15	1038.1	990.9	963.8	569	25.930	25.724	25.540	569	15		
16	1035.7	991.3	965.0	569	25.920	25.712	25.510	569	16		
17	1038.7	993.0	966.4	578	25.940	25.706	25.520	648	17		
18	1038.4	996.2	972.0	539	25.940	25.705	25.510	539	18		
19	1042.3	1001.2	978.0	539	25.950	25.714	25.520	539	19		
20	1049.0	1005.3	978.6	568	25.960	25.730	25.530	633	20		
21	1050.8	1008.5	982.7	539	25.980	25.750	25.550	539	21		
22	1054.5	1010.9	986.0	539	25.980	25.759	25.560	539	22		
23	1056.8	1013.2	987.9	567	26.000	25.769	25.550	632	23		
BY MONTH	1058.8	1008.6	963.8	13687	26.010	25.764	25.510	14212			

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATIC - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

HOUR	DENSITY (G/CM.)			TOTAL OBSERVATIONS	STATION PRESSURE (IN OF HG.)			TOTAL OBSERVATIONS	HOUR
	HIGH	MEAN	LOW		HIGH	MEAN	LOW		
0	1082.1	1025.9	994.1	550	26.020	25.755	25.510	550	0
1	1080.9	1026.4	992.7	548	26.020	25.756	25.500	548	1
2	1082.7	1030.4	991.4	575	26.010	25.752	25.510	638	2
3	1082.2	1033.0	996.3	548	26.000	25.755	25.510	548	3
4	1081.4	1035.2	1001.4	549	26.000	25.758	25.510	549	4
5	1081.6	1037.3	1004.1	578	26.020	25.762	25.510	641	5
6	1084.7	1039.5	1002.5	548	26.020	25.776	25.510	548	6
7	1085.0	1034.8	1001.4	546	26.040	25.790	25.520	546	7
8	1086.0	1028.4	997.8	574	26.040	25.797	25.530	637	8
9	1084.1	1022.2	989.4	546	26.050	25.807	25.540	546	9
10	1080.4	1016.4	989.6	547	26.050	25.809	25.540	547	10
11	1080.4	1011.1	984.1	575	26.040	25.792	25.540	638	11
12	1080.1	1006.3	976.9	548	26.030	25.775	25.500	548	12
13	1077.7	1002.7	976.4	549	26.020	25.753	25.480	549	13
14	1076.9	1000.4	974.6	576	26.010	25.727	25.450	640	14
15	1072.3	999.1	974.0	546	26.000	25.715	25.440	546	15
16	1072.6	999.6	972.1	548	26.000	25.705	25.430	548	16
17	1074.9	1002.1	976.1	563	26.000	25.700	25.450	630	17
18	1079.5	1007.0	979.6	529	26.000	25.703	25.470	529	18
19	1079.8	1012.5	984.2	531	26.010	25.712	25.470	531	19
20	1080.2	1016.7	987.3	558	26.030	25.726	25.470	621	20
21	1080.8	1019.3	988.8	528	26.040	25.742	25.510	528	21
22	1080.9	1021.7	993.0	530	26.040	25.748	25.510	530	22
23	1080.2	1024.0	994.4	560	26.030	25.751	25.490	623	23
BY MONTH	1086.0	1018.9	972.1	13250	26.050	25.753	25.430	13759	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

DENSITY (G/C.C.M)				STATION PRESSURE (IN OF Hg.)					
HOUR	HIGH	MEAN	LOW	TOTAL	HIGH	MEAN	LOW	TOTAL	HOUR
				OBSERVATIONS				OBSERVATIONS	
0	1105.3	1047.7	1004.7	569	26.110	25.775	25.300	569	0
1	1107.7	1050.1	1007.1	569	26.110	25.777	25.410	570	1
2	1109.9	1052.2	1007.5	601	26.110	25.772	25.330	672	2
3	1105.4	1054.3	1011.0	570	26.120	25.775	25.370	570	3
4	1109.9	1056.5	1011.6	570	26.120	25.778	25.370	570	4
5	1112.5	1058.8	1014.6	600	26.140	25.782	25.340	670	5
6	1114.7	1061.6	1017.4	575	26.160	25.796	25.370	575	6
7	1113.1	1058.5	1015.6	573	26.180	25.807	25.390	573	7
8	1101.4	1051.3	1008.9	605	26.200	25.818	25.410	675	8
9	1090.6	1044.9	1002.2	574	26.220	25.832	25.440	574	9
10	1090.9	1038.7	1000.2	572	26.220	25.831	25.440	572	10
11	1091.4	1032.5	996.3	606	26.180	25.812	25.420	676	11
12	1088.5	1027.2	991.5	572	26.140	25.797	25.410	572	12
13	1085.5	1022.6	989.6	570	26.110	25.768	25.380	570	13
14	1084.7	1019.8	987.6	600	26.090	25.745	25.330	670	14
15	1084.1	1018.9	987.1	572	26.070	25.739	25.340	572	15
16	1084.2	1019.7	987.1	569	26.060	25.732	25.340	569	16
17	1085.3	1023.7	990.7	578	26.060	25.728	25.300	651	17
18	1085.2	1031.1	994.9	547	26.040	25.736	25.340	547	18
19	1089.6	1035.8	996.4	548	26.060	25.746	25.350	548	19
20	1091.0	1038.9	999.1	578	26.090	25.751	25.320	647	20
21	1090.4	1041.6	1001.4	549	26.090	25.765	25.370	549	21
22	1094.4	1044.2	1003.2	547	26.090	25.772	25.360	547	22
23	1096.5	1046.4	1004.5	578	26.110	25.771	25.330	647	23
BY MONTH	1114.7	1040.7	987.1	13792	26.220	25.775	25.300	14355	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

HOUR	DENSITY (G/CU.M)			TOTAL OBSERVATIONS	STATION PRESSURE (IN OF HG)			TOTAL OBSERVATIONS	HOUR
	HIGH	MEAN	LOW		HIGH	MEAN	LOW		
0	1134.5	1072.4	1024.5	548	26.180	25.781	25.430	548	0
1	1134.5	1074.2	1026.2	552	26.180	25.781	25.410	552	1
2	1139.6	1076.3	1026.1	579	26.190	25.782	25.340	637	2
3	1136.8	1078.2	1026.9	551	26.190	25.779	25.400	551	3
4	1140.5	1080.0	1028.3	552	26.190	25.779	25.390	552	4
5	1147.3	1082.1	1030.5	582	26.210	25.785	25.290	640	5
6	1146.2	1084.3	1030.4	551	26.220	25.791	25.360	551	6
7	1141.8	1084.3	1031.5	551	26.240	25.803	25.410	551	7
8	1139.0	1078.0	1028.2	576	26.260	25.821	25.360	634	8
9	1128.5	1071.6	1027.3	551	26.270	25.829	25.460	551	9
10	1125.9	1065.9	1023.7	552	26.280	25.832	25.450	552	10
11	1122.8	1060.1	1021.0	579	26.260	25.821	25.390	637	11
12	1121.7	1053.4	1012.9	549	26.230	25.793	25.400	549	12
13	1120.5	1048.5	1008.3	549	26.200	25.767	25.390	549	13
14	1114.8	1046.1	1010.1	575	26.170	25.753	25.360	633	14
15	1114.6	1044.4	1009.8	549	26.140	25.741	25.390	549	15
16	1119.5	1046.1	1009.9	548	26.150	25.738	25.400	548	16
17	1123.6	1052.7	1013.6	564	26.140	25.741	25.330	630	17
18	1121.2	1058.5	1015.4	528	26.140	25.747	25.390	528	18
19	1121.2	1062.1	1019.3	528	26.150	25.757	25.400	528	19
20	1125.8	1065.2	1018.0	554	26.160	25.766	25.360	614	20
21	1126.6	1067.3	1020.9	527	26.160	25.773	25.400	527	21
22	1126.4	1069.4	1023.2	526	26.180	25.780	25.400	526	22
23	1131.7	1071.6	1024.9	558	26.180	25.784	25.360	618	23
BY MONTH	1147.3	1066.4	1008.3	13279	26.280	25.780	25.290	13755	

TABLE VI (CONT)

MEAN AND EXTREME DENSITY AND STATION PRESSURE BY MONTH AND BY HOUR
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

HOUR	DENSITY (G/CU.M)			STATION PRESSURE (IN OF HG)			TOTAL OBSERVATIONS	TOTAL OBSERVATIONS	HOUR
	HIGH	MEAN	LOW	HIGH	MEAN	LOW			
0	1157.5	1088.7	1029.3	26.250	25.774	25.240	563	563	0
1	1157.6	1090.2	1029.2	26.240	25.769	25.230	566	566	1
2	1165.0	1091.3	1030.8	26.250	25.771	25.220	597	638	2
3	1169.5	1093.8	1027.6	26.250	25.771	25.210	567	567	3
4	1163.0	1095.0	1027.5	26.250	25.766	25.200	567	567	4
5	1175.7	1096.2	1025.2	26.270	25.767	25.240	598	639	5
6	1180.3	1098.5	1027.5	26.270	25.773	25.280	567	567	6
7	1177.8	1099.9	1027.2	26.270	25.783	25.280	565	565	7
8	1175.3	1095.0	1025.2	26.270	25.800	25.270	596	650	8
9	1153.2	1089.1	1025.6	26.280	25.810	25.280	564	564	9
10	1150.6	1083.6	1022.2	26.290	25.818	25.280	564	564	10
11	1146.8	1077.3	1023.2	26.250	25.808	25.270	596	650	11
12	1143.3	1071.4	1019.0	26.220	25.782	25.240	562	562	12
13	1137.3	1065.9	1014.4	26.210	25.755	25.260	563	563	13
14	1132.6	1062.4	1011.1	26.180	25.740	25.230	591	644	14
15	1132.3	1061.6	1014.9	26.180	25.732	25.210	563	563	15
16	1131.5	1063.2	1014.4	26.180	25.731	25.200	564	564	16
17	1136.0	1069.5	1018.6	26.180	25.736	25.210	581	622	17
18	1140.6	1075.8	1020.8	26.190	25.741	25.200	550	550	18
19	1143.1	1078.9	1022.8	26.210	25.750	25.220	550	550	19
20	1146.0	1080.8	1021.0	26.220	25.758	25.240	576	614	20
21	1148.3	1083.0	1022.8	26.240	25.763	25.270	546	546	21
22	1150.8	1085.1	1023.8	26.240	25.769	25.270	548	548	22
23	1155.1	1086.7	1025.1	26.240	25.776	25.250	580	618	23
BY MONTH	1180.3	1082.7	1011.1	26.290	25.769	25.200	13684	14044	

SECTION III

CLOUDS

PAGE

Table VII. Diurnal Variation of the Relative Frequency Distribution of Cloudiness Types by Month and by Hour -----	77
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CLOUD CLASSIFICATION (11)

Family A: High Clouds
(Mean lower level, 6,000 meters, 20,000 feet)

Cirrus (Ci)
Cirrocumulus (Cc)
Cirrostratus (Cs)

Family B: Middle Clouds
(Mean upper level, 6,000 meters, 20,000 feet;
mean lower level, 2,000 meters, 6,500 feet)

Alto cumulus (Ac)
Alto stratus (As)

Family C: Low Clouds
(Mean upper level 2,000 meters, 6,500 feet;
mean lower level, close to the surface)

Strato cumulus (Sc)
Stratus (St)
Nimbostratus (Ns)

Family D: Clouds With Vertical Development
(Mean upper level, that of cirrus; mean lower
level 500 meters, 1,600 feet)

Cumulus (Cu)
Cumulonimbus (Cb)

TABLE VII

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY

HOUR	CUMULUS			CIRRUS			STRATUS			ALTOCUMULUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	FRACTOCUMULUS	FRACTOSTRATUS	ALTOCUMULUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS	HOUR						
0	1	31	11	14	3	651	3	10				U					
1	1	30	10	14	4	657	4	1				1					
2	1	34	13	15	6	658	6	2				2					
3	1	30	10	15	4	658	4	3				3					
4	0	29	10	15	4	656	4	4				4					
5	0	32	14	16	5	661	5	5				5					
6	1	33	13	19	5	662	5	6				6					
7	3	46	17	29	7	663	7	7				7					
8	4	53	19	31	8	664	8	8				8					
9	5	50	16	29	6	667	6	9				9					
10	6	52	16	28	6	665	6	10				10					
11	9	60	19	31	5	666	5	11				11					
12	11	53	15	26	3	662	3	12				12					
13	11	53	15	24	3	662	3	13				13					
14	13	60	18	25	4	663	4	14				14					
15	12	51	14	23	3	662	3	15				15					
16	11	53	15	21	4	661	4	16				16					
17	9	58	18	24	7	650	7	17				17					
18	5	46	14	21	4	640	4	18				18					
19	3	38	12	16	3	660	3	19				19					
20	2	40	14	15	6	659	6	20				20					
21	1	32	10	13	3	658	3	21				21					
22	2	32	9	13	4	658	4	22				22					
23	2	37	11	14	5	641	5	23				23					
BY MONTH	5	43	14	21	5	15806	5										

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

HOUR	CUMULUS			CIRRUS		STRATUS		ALTOSTRATUS		OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	FRACTOCUMULUS	FRACTOSTRATUS	ALTOCUMULUS	NIMBOSTRATUS			
0	1		28	10	13	4		603	0		
1	2		26	10	12	2		604	1		
2	2		27	12	14	4		603	2		
3	1		25	11	11	4		603	3		
4	1		26	10	11	4		604	4		
5	1		29	11	14	5		605	5		
6	1		35	12	24	5		603	6		
7	2		44	16	32	6		604	7		
8	4		51	19	34	8		603	8		
9	5		43	16	27	5		604	9		
10	10		46	16	27	3		604	10		
11	16		54	18	29	4		604	11		
12	18		48	13	22	3		605	12		
13	21		47	14	22	3		605	13		
14	25		54	16	26	4		604	14		
15	21		48	13	22	4		605	15		
16	19		49	14	21	4		604	16		
17	18		52	19	25	6		594	17		
18	10		43	16	21	6		587	18		
19	5		36	13	17	5		603	19		
20	4		37	12	17	6		604	20		
21	2		30	11	13	3		605	21		
22	2		29	9	13	3		604	22		
23	3		33	11	16	5		585	23		
BY MONTH	8		39	13	20	4		14499			

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH

HOUR	STRATUS				ALTOCUMULUS	ALTOSTRATUS	OBSERVATIONS	HOUR
	CUMULONIMBUS	CIRROSTRATUS	CIRROCUMULUS	STRATOCUMULUS				
0	3	26	9	15	3	664	0	
1	3	25	9	14	3	666	1	
2	3	28	11	16	4	664	2	
3	2	26	10	14	3	665	3	
4	3	27	9	14	4	667	4	
5	3	34	13	19	4	667	5	
6	4	42	17	30	6	663	6	
7	5	41	17	31	6	664	7	
8	7	50	19	34	6	666	8	
9	9	45	17	31	4	666	9	
10	15	46	14	27	5	669	10	
11	25	54	15	28	4	667	11	
12	23	45	11	23	3	665	12	
13	27	46	11	21	3	663	13	
14	34	56	13	22	5	663	14	
15	29	48	12	20	3	663	15	
16	28	48	11	19	4	664	16	
17	28	52	14	23	7	648	17	
18	18	46	12	23	5	636	18	
19	10	37	12	20	5	662	19	
20	7	39	12	16	6	661	20	
21	5	31	8	13	4	661	21	
22	4	29	9	14	4	659	22	
23	5	33	11	15	5	639	23	
BY MONTH	12	40	12	21	4	15872		

TABLE VII (CONT)

JOURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

HOUR	CUMULUS			CIRRUS		STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CUMULUS	CIRROSTRATUS	CIRROCUMULUS	FRACTOSTRATUS	STRATOCUMULUS	FRACTOCUMULUS	NIMBOSTRATUS	ALTOCUMULUS			
0	3			27			4	15	3			640	0
1	2			25			5	16	3			641	1
2	2			28			6	15	4			641	2
3	2			24			6	15	4			642	3
4	2			27			6	17	4			645	4
5	4			43			9	30	6			644	5
6	6			42			11	31	5			642	6
7	8			43			9	27	5			641	7
8	9			50			10	29	6			645	8
9	15			45			7	24	5			643	9
10	23			45			6	20	4			643	10
11	29			52			6	20	5			642	11
12	32			43			5	19	4			640	12
13	34			45			5	19	4			642	13
14	41			51			5	19	5			642	14
15	37			46			5	18	4			641	15
16	36			46			6	17	4			642	16
17	34			52			7	21	6			608	17
18	24			46			7	23	5			599	18
19	15			41			8	23	6			616	19
20	9			38			7	19	5			617	20
21	6			31			6	16	3			616	21
22	6			30			5	15	2			616	22
23	5			32			6	16	3			598	23
BY MONTH	16			40			7	20	4			15186	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

HOUR	CUMULUS			CIRRUS		STRATUS		ALTOCUMULUS		ALTOSTRATUS		OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	CIRROSTRATUS	FRAC TO STRATUS	FRAC TO CUMULUS	FRAC TO STRATUS	FRAC TO CUMULUS				
0	6		25		5		14		3		651	0	
1	5		24		6		16		3		651	1	
2	4		25		6		18		3		653	2	
3	4		23		6		17		3		653	3	
4	4		30		7		24		4		666	4	
5	7		48		10		40		6		668	5	
6	5		42		8		33		4		664	6	
7	7		42		7		30		3		664	7	
8	11		47		7		33		3		667	8	
9	22		44		5		29		2		665	9	
10	37		44		4		23		2		667	10	
11	51		51		4		25		2		666	11	
12	55		43		3		18		3		665	12	
13	59		44		3		16		3		665	13	
14	65		49		3		18		2		665	14	
15	60		46		2		14		2		678	15	
16	58		44		4		14		2		668	16	
17	60		50		4		19		4		634	17	
18	46		46		5		21		4		624	18	
19	33		43		8		23		5		643	19	
20	21		42		7		21		4		626	20	
21	12		33		5		15		3		623	21	
22	10		29		5		13		2		623	22	
23	9		31		5		16		3		608	23	
BY MONTH	27		39		5		21		3		15657		

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

HOURLY	CUMULUS	CUMULONIMBUS	CIRRUS	STRATUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS	HOURLY
0	12		24	9	16	2	590	0
1	9		21	8	17	1	611	1
2	8		22	8	22	1	609	2
3	5		20	7	19	1	613	3
4	7		28	6	33	1	643	4
5	13		45	12	48	3	642	5
6	9		39	9	40	2	640	6
7	10		38	8	38	1	641	7
8	16		39	8	41	1	641	8
9	26		36	6	32	2	642	9
10	43		35	5	29	1	641	10
11	61		38	4	28	2	643	11
12	61		34	3	23	1	644	12
13	66		32	2	20	1	642	13
14	78		37	3	17	2	644	14
15	67		36	3	16	1	673	15
16	66		39	3	16	2	647	16
17	72		47	6	19	3	636	17
18	58		43	6	19	3	608	18
19	48		41	10	25	5	620	19
20	41		41	10	22	6	591	20
21	25		28	7	17	3	592	21
22	20		23	7	15	2	589	22
23	17		27	9	15	2	575	23
8Y	35		34	7	25	2	15017	
MONTH								

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	CUMULUS			CIRRUS		STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	CIRROSTRATUS	FRAC TOCUMULUS	STRATOCUMULUS	FRAC TOCUMULUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS		
0	24		31			10			34		4	628	0
1	22		30			9			36		3	654	1
2	18		29			12			39		4	654	2
3	13		26			10			36		4	654	3
4	12		29			11			49		4	665	4
5	20		52			20			67		5	664	5
6	17		49			17			60		4	663	6
7	16		49			14			56		3	663	7
8	22		53			16			59		4	662	8
9	42		46			12			49		3	663	9
10	63		49			9			43		2	664	10
11	86		53			8			41		2	664	11
12	80		47			5			31		2	666	12
13	81		46			3			25		2	665	13
14	96		56			4			24		2	663	14
15	83		52			3			23		2	673	15
16	82		53			3			22		3	663	16
17	94		62			5			27		5	649	17
18	78		57			6			30		4	622	18
19	67		56			9			37		4	639	19
20	62		53			13			38		6	629	20
21	40		40			13			33		3	628	21
22	34		37			11			33		3	628	22
23	36		39			11			37		5	615	23
BY													
MONTH	50		46			10			39		3	15638	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST

HOUR	CUMULUS				STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRRUS	FRAC TOCUMULUS	FRAC TOSTRATUS	STRATOCUMULUS	ALTOCUMULUS	NIMBOSTRATUS			
0	18			29	8			37	3		656	0
1	15		25		8			38	3		666	1
2	16		29		9			43	4		666	2
3	9		27		8			40	3		665	3
4	9		28		9			41	3		666	4
5	14		46		16			68	5		666	5
6	14		49		15			60	3		664	6
7	12		43		14			60	2		662	7
8	22		53		15			64	2		665	8
9	43		46		11			52	1		665	9
10	65		44		8			45	1		664	10
11	89		50		6			44	1		666	11
12	80		42		4			32	1		666	12
13	82		42		2			26	1		666	13
14	97		53		3			27	2		664	14
15	83		50		3			24	1		665	15
16	82		54		3			26	2		665	16
17	93		64		4			33	4		648	17
18	72		58		7			39	4		636	18
19	58		52		9			40	3		654	19
20	50		51		9			40	5		654	20
21	33		36		7			36	3		653	21
22	27		34		8			36	3		653	22
23	27		38		10			43	3		635	23
BY MONTH	46		43		8			41	3		15829	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

HOUR	CUMULUS				STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRRUS	CIRRO-CUMULUS	FRAC-TO-STRATUS	STRATO-CUMULUS	FRAC-TO-STRATUS	ALTO-CUMULUS	NIMBO-STRATUS		
0	10			22			7		26	1	642	0
1	7		21				8		26	1	640	1
2	7		20				10		29	2	641	2
3	5		18				9		26	2	643	3
4	5		18				9		25	2	644	4
5	7		25				13		41	4	643	5
6	10		30				15		48	3	639	6
7	10		28				16		44	1	637	7
8	13		31				17		49	2	637	8
9	26		27				14		38	1	637	9
10	43		25				12		35	1	640	10
11	63		30				12		37	2	640	11
12	60		25				8		27	1	640	12
13	67		25				7		24	1	642	13
14	78		31				9		26	2	642	14
15	67		31				6		23	2	639	15
16	65		32				6		26	2	641	16
17	70		40				9		34	2	632	17
18	51		33				8		34	2	622	18
19	34		29				8		29	3	652	19
20	25		28				8		28	3	646	20
21	18		22				7		24	2	642	21
22	15		22				6		24	2	644	22
23	15		25				8		30	2	626	23
BY MONTH	32		27				10		31	2	15351	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER

STRATUS

CUMULUS CIRRUS STRATOCUMULUS
 CUMULONIMBUS CIRRUSSTRATUS FRACSTOSTRATUS
 MAMMATO-CUMULUS CIRRUCUMULUS FRACSTOCUMULUS

HOUR 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 BY MONTH

ALTOSTRATUS	NIMBOSTRATUS	ALTOCUMULUS	STRATOCUMULUS	FRACSTOCUMULUS	FRACSTOSTRATUS	CIRRUS	CIRRUCUMULUS	CUMULONIMBUS	CUMULUS	BY MONTH
1		15	8	17				3		0
1		15	7	15				3		1
1		16	10	18				3		2
1		15	8	15				3		3
1		15	9	15				3		4
3		20	11	18				3		5
2		32	15	31				6		6
3		32	16	29				5		7
3		35	18	35				8		8
2		27	14	31				12		9
2		26	14	32				20		10
3		28	14	36				30		11
2		18	10	33				31		12
2		18	9	32				36		13
2		19	11	36				43		14
3		16	8	34				39		15
3		14	8	35				35		16
4		20	11	39				32		17
3		17	9	30				18		18
2		13	9	25				9		19
2		15	9	25				9		20
1		12	8	21				6		21
1		12	8	20				5		22
2		15	11	21				4		23
2		19	11	27				15		BY MONTH
2		16067								

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF NOVEMBER

HOUR	CUMULUS				STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROCUMULUS	STRATOCUMULUS	FRACTOSTRATUS	FRACTOCUMULUS	ALTOCUMULUS	NIMBOSTRATUS			
0	2		22		9			13	2		635	0
1	1		21		8			13	3		637	1
2	2		24		11			14	3		637	2
3	1		21		9			12	2		637	3
4	1		21		9			13	2		638	4
5	1		28		12			16	3		641	5
6	3		37		14			29	4		636	6
7	4		41		17			31	4		636	7
8	4		48		18			32	6		634	8
9	7		43		15			26	5		636	9
10	9		45		15			23	5		636	10
11	12		52		18			27	6		637	11
12	15		47		14			21	4		634	12
13	16		46		14			21	4		634	13
14	18		53		16			22	6		633	14
15	15		47		14			21	5		634	15
16	13		46		13			22	4		634	16
17	11		53		16			26	6		631	17
18	6		38		12			16	5		615	18
19	4		31		9			14	4		638	19
20	4		36		11			14	4		637	20
21	3		27		8			12	3		637	21
22	3		25		9			13	3		637	22
23	3		30		10			15	2		620	23
BY MONTH	7		37		12			19	4		15224	

TABLE VII (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF CLOUDINESS TYPES
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER

HOUR	CUMULUS				CIRRUS		STRATUS			ALTOSTRATUS			OBSERVATIONS	HOUR
	CUMULUS	CUMULONIMBUS	MAMMATO-CUMULUS	CIRROSTRATUS	CIRROSTRATUS	CIRROSTRATUS	STRATOCUMULUS	FRAC TO STRATUS	FRAC TO STRATUS	ALTOSTRATUS	NIMBOSTRATUS	OBSERVATIONS		
0	1			24			10			16			635	0
1	1			24			11			16			637	1
2	2			25			12			15			639	2
3	2			22			11			14			639	3
4	2			21			12			13			639	4
5	1			23			14			14			640	5
6	2			30			14			22			638	6
7	3			40			20			30			639	7
8	4			49			24			30			651	8
9	5			44			19			30			650	9
10	6			47			18			28			652	10
11	9			51			21			30			661	11
12	10			47			15			22			659	12
13	12			49			16			24			658	13
14	13			54			19			26			648	14
15	12			47			16			23			649	15
16	9			49			17			24			649	16
17	7			53			21			27			627	17
18	5			39			15			21			616	18
19	3			33			12			19			635	19
20	2			32			13			19			629	20
21	2			30			10			17			623	21
22	1			28			11			16			628	22
23	1			27			13			17			620	23
BY MONTH	5			37			15			21			15361	

SECTION IV

WEATHER

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TABLE VIII (a)

MONTHLY AND ANNUAL MEAN PRECIPITATION (INCHES) AT SEVEN WSMR SITES

Site	A	WSD	JMN	SMR	APA	JAL	STA
Elevation	4,238	3,989	4,070	3,999	3,956	4,051	4,940
Period of Record	1950-73	1963-73	1964-73	1964-73	1964-73	1966-73	1963-73
Jan	0.48	0.29	0.41	0.29	0.29	0.26	0.12
Feb	0.57	0.40	0.40	0.39	0.18	0.34	0.19
Mar	0.52	0.25	0.53	0.26	0.17	0.14	0.29
Apr	0.22	0.14	0.12	0.13	0.12	0.07	0.10
May	0.23	0.15	0.30	0.16	0.15	0.37	0.30
Jun	0.89	1.39	0.98	1.04	0.96	0.77	0.97
Jul	2.29	1.94	1.86	1.89	1.35	1.82	1.71
Aug	1.86	2.06	1.95	2.48	2.13	1.50	2.13
Sep	1.29	1.39	1.32	1.15	1.21	1.07	1.27
Oct	1.06	0.75	1.04	0.77	0.63	0.98	0.96
Nov	0.42	0.37	0.34	0.35	0.35	0.44	0.25
Dec	0.76	0.47	0.62	0.64	0.58	0.55	0.52
Annual	10.59	10.20	8.76	9.55	7.87	8.27	8.80

TABLE VIII (b)

ANNUAL RAINFALL (INCHES) BY YEARS AT "A" STATION
1950-1973

Year	Rainfall	Year	Rainfall
1950	6.41	1962	14.07
1951	7.08	1963	7.56
1952	9.32	1964	9.22
1953	5.30	1965	12.40
1954	5.91	1966	16.63
1955	9.27	1967	10.12
1956	3.92	1968	12.99
1957	10.37	1969	13.53
1958	20.02	1970	8.41
1959	11.45	1971	8.75
1960	11.25	1972	16.19
1961	12.62	1973	11.38

TABLE VIII (c)

MONTHLY AND ANNUAL PRECIPITATION MEANS AND EXTREMES (INCHES) AT "A" STATION
1950-1973

Month	Mean	Greatest Monthly	Year	Greatest 24-Hour* Rainfall	Date
Jan	0.48	1.50	1960	0.96	11-1960
Feb	0.57	1.74	1957	1.01	28-1953
Mar	0.52	3.00	1958	1.46	5, 6-1958
Apr	0.22	1.37	1952	0.95	11-1952
May	0.23	0.95	1959	0.82	23-1959
Jun	0.89	7.42	1966	2.40	29-1966
Jul	2.29	5.63	1962	2.50	14, 15-1973
Aug	1.86	6.32	1959	4.25	23, 24-1959
Sep	1.29	5.76	1958	2.96	11, 12-1964
Oct	1.06	3.65	1955	1.91	3, 4-1955
Nov	0.42	2.40	1961	0.89	8-1961
Dec	0.76	2.43	1965	1.00	14, 15-1967
Annual	10.59	20.02	1958		

* Any consecutive 24-hour period.

TABLE VIII (d)

MONTHLY AND ANNUAL MEAN AND MAXIMUM SNOWFALL (INCHES) AT "A" STATION
1950-1973

Month	Mean Snowfall	Maximum Snowfall	Date
Jan	1.3	6.9	1972
Feb	1.5	8.6	1952
Mar	0.5	3.5	1958
Apr	T	T	1973*
May	0.0	0.0	
Jun	0.0	0.0	
Jul	0.0	0.0	
Aug	0.0	0.0	
Sep	0.0	0.0	
Oct	T	T	1973*
Nov	0.8	6.2	1961
Dec	2.4	14.9	1967
Annual	6.5	18.5	1960

* Trace also recorded in earlier years.

TABLE IX

MINIMUM, MAXIMUM, AND MEAN NUMBER OF DAYS PER MONTH FOR THE FOLLOWING WEATHER CONDITIONS

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

MONTH	THUNDERSTORMS		RAIN		SNOW		FOG		DUST		DAYS OBSERVED
	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	
JAN	2	0	0	9	4	0	6	1	0	4	678
FEB	2	0	0	13	4	0	4	1	0	7	623
MAR	2	1	0	14	5	0	4	1	0	12	679
APR	4	1	0	11	4	0	1	0	0	10	657
MAY	6	2	0	9	4	0	0	0	0	5	683
JUN	13	5	0	17	6	2	3	0	0	7	660
JUL	20	11	5	23	13	8	3	0	0	7	682
AUG	17	11	4	25	13	4	2	0	0	3	684
SEP	10	4	0	14	8	0	5	0	0	5	662
OCT	8	2	0	12	5	0	5	1	0	2	689
NOV	2	0	0	9	3	0	4	1	0	3	659
DEC	1	0	0	14	5	0	6	1	0	6	695

TABLE X

MINIMUM, MAXIMUM, AND MEAN DURATION IN HOURS OF THE FOLLOWING BY MONTH

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

MONTH	THUNDERSTORMS			RAIN			SNOW			FOG			DUST			OBSERVATIONS
	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	
JAN	2	0	0	77	15	0	37	11	0	50	6	0	10	3	0	15680
FEB	2	0	0	61	14	0	45	9	0	17	4	0	65	9	0	14372
MAR	2	1	0	53	15	0	22	5	0	12	1	0	78	12	0	15761
APR	7	1	0	35	8	0	3	0	0	7	0	0	80	15	0	15082
MAY	12	3	0	17	6	0	1	0	0	0	0	0	29	6	0	15550
JUN	25	8	0	53	12	0	1	0	0	12	0	0	26	4	0	14870
JUL	55	20	8	67	28	14	0	0	0	10	1	0	9	2	0	15544
AUG	45	20	4	72	26	8	1	0	0	3	0	0	4	0	0	15750
SEP	18	8	0	68	19	0	0	0	0	15	1	0	8	1	0	15227
OCT	10	2	0	45	16	0	4	0	0	8	1	0	13	2	0	15978
NOV	4	0	0	55	13	0	30	5	0	32	3	0	24	3	0	15124
DEC	1	0	0	71	16	0	47	9	0	89	7	0	20	2	0	15237

TABLE XI
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF "EATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF JANUARY												OBSERVATIONS	HOUR
THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST							
0	2	2	0	0	1	0	650	0					
1	2	1	0	0	1	0	656	0					
2	3	2	0	0	2	0	656	0					
3	2	2	0	0	1	0	656	0					
4	3	2	0	0	1	0	656	0					
5	2	1	0	0	1	0	657	0					
6	3	2	0	0	1	0	660	0					
7	2	2	0	0	1	0	663	0					
8	2	2	0	0	2	0	662	0					
9	2	2	0	0	2	0	663	0					
10	3	2	0	0	2	1	662	1					
11	3	2	0	0	1	0	663	0					
12	2	2	0	0	1	1	659	1					
13	2	2	0	0	0	1	660	1					
14	3	2	0	0	1	1	661	1					
15	3	1	0	0	1	2	661	2					
16	3	1	0	0	0	1	660	1					
17	2	1	0	0	0	1	649	1					
18	2	1	0	0	0	1	640	1					
19	2	2	0	0	0	1	638	1					
20	1	2	0	0	0	1	640	1					
21	2	2	0	0	0	0	639	0					
22	2	2	0	0	0	0	640	0					
23	2	2	0	0	0	0	641	0					
BY MONTH	2	2	0	0	1	0	15692	0					

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF FEBRUARY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	0	2	1	0	0	0	1	603	0
1	0	2	1	0	0	0	0	604	1
2	0	2	1	0	0	0	1	603	2
3	0	3	1	0	0	1	1	603	3
4	0	2	1	0	0	1	1	604	4
5	0	2	1	0	0	1	1	605	5
6	0	2	1	0	0	0	1	603	6
7	0	1	1	0	0	1	1	604	7
8	0	1	2	0	0	1	1	603	8
9	0	2	2	0	0	1	1	604	9
10	0	2	2	0	0	1	1	604	10
11	0	2	1	0	0	0	1	604	11
12	0	2	1	0	0	0	2	605	12
13	0	3	2	0	0	0	3	604	13
14	0	3	2	0	0	0	4	604	14
15	0	2	2	0	0	0	3	605	15
16	0	2	2	0	0	0	3	604	16
17	0	2	1	0	0	1	3	594	17
18	0	3	1	0	0	1	2	586	18
19	0	2	1	0	0	1	2	585	19
20	0	2	1	0	0	0	1	585	20
21	0	2	1	0	0	1	1	586	21
22	0	2	2	0	0	1	1	586	22
23	0	3	1	0	0	0	1	584	23
BY MONTH	0	2	2	0	0	1	1	14372	

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MARCH											
HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING		FOG	DUST	OBSERVATIONS	HOUR	
					RAIN						
0	0	2	1	0	0	0	0	0	664	0	
1	0	3	1	0	0	0	0	0	605	1	
2	0	2	1	0	0	0	0	1	664	2	
3	0	3	1	0	0	0	0	0	605	3	
4	0	2	1	0	0	0	0	0	665	4	
5	0	3	1	0	0	0	0	1	605	5	
6	0	2	1	0	0	0	0	0	663	6	
7	0	2	1	0	0	0	0	0	664	7	
8	0	2	1	0	0	0	1	1	663	8	
9	0	2	1	0	0	0	1	1	664	9	
10	0	3	1	0	0	0	0	1	664	10	
11	0	2	2	0	0	0	0	1	662	11	
12	0	2	2	0	0	0	0	1	665	12	
13	0	3	2	0	0	0	0	3	662	13	
14	0	3	1	0	0	0	0	3	663	14	
15	0	3	1	0	0	0	0	4	663	15	
16	0	2	0	0	0	0	0	5	664	16	
17	0	2	0	0	0	0	0	5	647	17	
18	0	2	0	0	0	0	0	4	636	18	
19	0	2	0	0	0	0	0	4	638	19	
20	0	2	0	0	0	0	0	3	639	20	
21	0	3	0	0	0	0	0	2	640	21	
22	0	2	0	0	0	0	0	2	638	22	
23	0	2	0	0	0	0	0	0	638	23	
BY MONTH	0	2	1	0	0	0	0	2	15761		

TABLE A1 (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO

PERIOD OF RECORD 1951 - 1973

MONTH OF APRIL

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	0	1	0	0	0	0	1	640	0
1	0	2	0	0	0	0	1	641	1
2	0	1	0	0	0	0	1	641	2
3	0	1	0	0	0	0	1	640	3
4	0	1	0	0	0	0	1	641	4
5	0	1	0	0	0	0	0	640	5
6	0	0	0	0	0	0	1	642	6
7	0	1	0	0	0	0	1	641	7
8	0	1	0	0	0	0	1	642	8
9	0	1	0	0	0	0	1	641	9
10	0	2	0	0	0	0	1	641	10
11	0	2	0	0	0	0	2	640	11
12	0	1	0	0	0	0	3	640	12
13	0	1	0	0	0	0	4	642	13
14	0	2	0	0	0	0	4	641	14
15	0	1	0	0	0	0	5	640	15
16	0	1	0	0	0	0	5	641	16
17	0	1	0	0	0	0	5	607	17
18	0	1	0	0	0	0	5	599	18
19	0	1	0	0	0	0	3	597	19
20	0	1	0	0	0	0	3	599	20
21	1	2	0	0	0	0	2	598	21
22	0	1	0	0	0	0	1	596	22
23	0	1	0	0	0	0	1	598	23
BY MONTH	0	1	0	0	0	0	2	1508	

TABLE XI. (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF MAY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	0	1	0	0	0	0	0	651	0
1	0	1	0	0	0	0	0	651	1
2	0	0	0	0	0	0	0	653	2
3	0	1	0	0	0	0	0	653	3
4	0	1	0	0	0	0	0	666	4
5	0	1	0	0	0	0	0	666	5
6	0	1	0	0	0	0	0	664	6
7	0	1	0	0	0	0	0	664	7
8	0	1	0	0	0	0	1	665	8
9	0	1	0	0	0	0	1	663	9
10	0	1	0	0	0	0	1	665	10
11	1	1	0	0	0	0	0	664	11
12	1	1	0	0	0	0	1	665	12
13	0	1	0	0	0	0	1	664	13
14	1	1	0	0	0	0	2	665	14
15	1	2	0	0	0	0	2	664	15
16	1	2	0	0	0	0	2	665	16
17	1	1	0	0	0	0	2	631	17
18	0	1	0	0	0	0	2	622	18
19	1	2	0	0	0	0	2	622	19
20	1	1	0	0	0	0	1	608	20
21	1	1	0	0	0	0	1	606	21
22	0	1	0	0	0	0	1	607	22
23	1	1	0	0	0	0	1	606	23
BY MONTH	0	1	0	0	0	0	1	1550	

TABLE XI. (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF JUNE

HOUR	THUNDER STORMS	RAIP.	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	1	1	0	0	0	0	1	590	0
1	1	2	0	0	0	0	0	611	1
2	1	2	0	0	0	0	0	609	2
3	0	1	0	0	0	0	0	611	3
4	0	0	0	0	0	0	0	643	4
5	0	1	0	0	0	0	1	642	5
6	0	1	0	0	0	0	0	640	6
7	0	1	0	0	0	0	0	641	7
8	0	1	0	0	0	0	0	640	8
9	0	1	0	0	0	0	0	641	9
10	0	1	0	0	0	0	0	640	10
11	0	1	0	0	0	0	0	642	11
12	0	1	0	0	0	0	0	642	12
13	1	1	0	0	0	0	0	640	13
14	2	3	0	0	0	0	1	639	14
15	3	3	0	0	0	0	1	638	15
16	4	4	0	0	0	0	1	641	16
17	4	4	0	0	0	0	1	629	17
18	4	4	0	0	0	0	1	602	18
19	3	3	0	0	0	0	1	601	19
20	3	3	0	0	0	0	2	572	20
21	4	4	0	0	0	0	1	572	21
22	2	4	0	0	0	0	0	571	22
23	1	2	0	0	0	0	1	573	23
BY MONTH	1	2	0	0	0	0	1	14870	

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TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF JULY

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	3	7	0	0	0	0	0	628	0
1	2	6	0	0	0	0	0	654	1
2	2	5	0	0	0	0	0	654	2
3	2	5	0	0	0	0	0	654	3
4	1	3	0	0	0	0	0	655	4
5	0	4	0	0	0	0	0	664	5
6	0	4	0	0	0	0	0	663	6
7	0	4	0	0	0	0	0	663	7
8	0	3	0	0	0	1	0	662	8
9	0	3	0	0	0	0	0	663	9
10	0	3	0	0	0	0	0	663	10
11	0	2	0	0	0	0	0	663	11
12	1	2	0	0	0	0	0	665	12
13	3	4	0	0	0	0	0	665	13
14	5	4	0	0	0	0	0	663	14
15	8	6	0	0	0	0	0	663	15
16	10	6	0	0	0	0	0	663	16
17	8	8	0	0	0	0	0	649	17
18	7	6	0	0	0	0	1	621	18
19	7	6	0	0	0	0	1	619	19
20	6	6	0	0	0	0	0	609	20
21	6	6	0	0	0	0	0	610	21
22	4	6	0	0	0	0	1	611	22
23	4	6	0	0	0	0	0	610	23
BY MONTH	3	5	0	0	0	0	0	15544	

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF AUGUST											
HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR		
0	3	5	0	0	0	0	0	656	0		
1	2	5	0	0	0	0	0	666	1		
2	2	6	0	0	0	0	0	666	2		
3	1	5	0	0	0	0	0	665	3		
4	1	4	0	0	0	0	0	666	4		
5	0	3	0	0	0	0	0	664	5		
6	0	2	0	0	0	0	0	662	6		
7	0	2	0	0	0	0	0	665	7		
8	0	2	0	0	0	0	0	665	8		
9	0	2	0	0	0	0	0	665	9		
10	0	1	0	0	0	0	0	664	10		
11	1	2	0	0	0	0	0	666	11		
12	2	2	0	0	0	0	0	665	12		
13	4	3	0	0	0	0	0	666	13		
14	6	4	0	0	0	0	0	664	14		
15	8	6	0	0	0	0	0	665	15		
16	7	6	0	0	0	0	0	665	16		
17	7	6	0	0	0	0	0	648	17		
18	6	5	0	0	0	0	0	635	18		
19	7	6	0	0	0	0	0	635	19		
20	5	5	0	0	0	0	0	634	20		
21	5	5	0	0	0	0	0	635	21		
22	4	7	0	0	0	0	0	635	22		
23	3	5	0	0	0	0	0	633	23		
BY MONTH	3	4	0	0	0	0	0	15750			

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF SEPTEMBER

THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	3	0	0	0	0	0	642	0
1	2	0	0	0	0	0	640	1
0	3	0	0	0	0	0	638	2
0	3	0	0	0	0	0	640	3
1	4	0	0	0	0	0	641	4
0	3	0	0	0	0	0	641	5
0	3	0	0	0	0	0	639	6
0	3	0	0	0	1	0	637	7
0	2	0	0	0	0	0	637	8
0	2	0	0	0	0	0	637	9
0	3	0	0	0	0	0	638	10
0	2	0	0	0	0	0	638	11
0	2	0	0	0	0	0	640	12
1	3	0	0	0	0	0	641	13
2	2	0	0	0	0	0	640	14
3	3	0	0	0	0	0	638	15
3	3	0	0	0	0	0	640	16
3	3	0	0	0	0	0	630	17
4	4	0	0	0	0	0	621	18
3	4	0	0	0	0	0	623	19
2	5	0	0	0	0	0	621	20
2	4	0	0	0	0	0	620	21
2	4	0	0	0	0	0	622	22
1	3	0	0	0	0	0	623	23
BY MONTH	1	0	0	0	0	0	15227	

TABLE XI (CONT.)
 DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
 BY MONTH AND BY HOUR (IN PERCENT)
 A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
 PERIOD OF RECORD 1951 - 1973

MONTH OF OCTOBER									
HOUR	THUNDER STORMS	RAIN	SNOW	WAIL	FREEZING RAIN	FOG	DUST	OBSERVATIONS	HOUR
0	1	2	0	0	0	0	0	672	0
1	0	2	0	0	0	0	0	672	1
2	0	2	0	0	0	0	0	674	2
3	0	3	0	0	0	0	0	673	3
4	0	3	0	0	0	0	0	673	4
5	0	2	0	0	0	0	0	672	5
6	0	3	0	0	0	0	0	676	6
7	0	2	0	0	0	1	0	674	7
8	0	3	0	0	0	1	0	675	8
9	0	3	0	0	0	1	0	675	9
10	0	2	0	0	0	0	0	673	10
11	0	1	0	0	0	0	0	676	11
12	0	2	0	0	0	0	0	673	12
13	0	2	0	0	0	0	0	671	13
14	1	3	0	0	0	0	0	670	14
15	0	2	0	0	0	0	0	673	15
16	1	3	0	0	0	0	1	670	16
17	1	2	0	0	0	0	0	651	17
18	1	2	0	0	0	0	0	647	18
19	0	2	0	0	0	0	0	648	19
20	1	3	0	0	0	0	0	647	20
21	1	3	0	0	0	0	0	649	21
22	0	2	0	0	0	0	0	647	22
23	0	2	0	0	0	0	0	647	23
BY MONTH	0	2	0	0	0	0	0	15978	

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
BY MONTH AND BY HOUR (IN PERCENT)
A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

TABLE XI (CONT)

MONTH OF NOVEMBER

HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING		FOG	DUST	OBSERVATIONS	HOUR
					RAIN	FREEZING				
0	0	1	1	0	0	0	0	0	635	0
1	0	1	1	0	0	0	0	0	637	1
2	0	2	1	0	0	0	0	0	637	2
3	0	2	1	0	0	1	0	0	636	3
4	0	1	1	0	0	0	0	0	637	4
5	0	2	1	0	0	0	0	0	640	5
6	0	2	0	0	0	1	0	0	636	6
7	0	2	0	0	0	1	0	0	636	7
8	0	3	1	0	0	1	0	0	634	8
9	0	3	1	0	0	1	0	0	636	9
10	0	2	0	0	0	1	0	0	636	10
11	0	2	1	0	0	0	0	0	637	11
12	0	2	0	0	0	0	0	0	634	12
13	0	2	0	0	0	0	1	1	634	13
14	0	3	0	0	0	0	1	1	633	14
15	0	2	0	0	0	0	1	1	634	15
16	0	2	0	0	0	0	1	1	633	16
17	0	2	0	0	0	0	1	1	630	17
18	0	2	0	0	0	0	0	0	615	18
19	0	1	1	0	0	0	0	0	615	19
20	1	2	1	0	0	0	0	0	614	20
21	0	2	1	0	0	0	0	0	614	21
22	0	2	1	0	0	0	0	0	613	22
23	0	2	1	0	0	0	0	0	618	23
BY MONTH	0	2	1	0	0	0	0	0	15124	

TABLE XI (CONT)

DIURNAL VARIATION OF THE RELATIVE FREQUENCY DISTRIBUTION OF WEATHER CONDITIONS
BY MONTH AND BY HOUR (IN PERCENT)

A STATION - WHITE SANDS MISSILE RANGE - NEW MEXICO
PERIOD OF RECORD 1951 - 1973

MONTH OF DECEMBER											
HOUR	THUNDER STORMS	RAIN	SNOW	HAIL	FREEZING		FOG	DUST	OBSERVATIONS	HOUR	
					RAIN						
0	0	2	1	0	0	1	1	0	634	0	
1	0	2	2	0	0	1	1	1	637	1	
2	0	4	1	0	0	1	1	0	638	2	
3	0	3	1	0	0	2	2	0	638	3	
4	0	3	1	0	0	2	2	0	638	4	
5	0	3	1	0	0	2	2	1	639	5	
6	0	3	2	0	0	2	2	0	638	6	
7	0	3	1	0	0	2	2	0	639	7	
8	0	2	3	0	0	2	2	0	650	8	
9	0	3	2	0	0	2	2	0	648	9	
10	0	2	2	0	0	2	2	0	648	10	
11	0	2	2	0	0	2	2	0	650	11	
12	0	2	2	0	0	2	2	0	645	12	
13	0	2	2	0	0	2	2	0	646	13	
14	0	4	1	0	0	1	1	0	645	14	
15	0	3	1	0	0	1	1	1	646	15	
16	0	3	1	0	0	1	1	1	645	16	
17	0	2	1	0	0	1	1	1	622	17	
18	0	2	1	0	0	1	1	0	616	18	
19	0	2	1	0	0	0	0	0	616	19	
20	0	2	1	0	0	0	0	0	614	20	
21	0	3	1	0	0	0	0	0	612	21	
22	0	4	1	0	0	0	0	0	615	22	
23	0	3	2	0	0	1	1	0	618	23	
BY MONTH	0	3	2	0	0	1	1	0	15237		

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