

Site Insolation and Wind Power Characteristics

Technical Report Midwest Region

Published August 1980

Prepared for:

U.S. Department of Energy
Assistant Secretary for Conservation & Solar Energy
Office of Solar Applications for Buildings
Under Contract No. AC-01-77-ET20160

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Huntsville, Alabama 35807
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Office of Solar Applications for Buildings
Washington, D.C. 20545

FOREWORD

This technical report presents work performed by Northrop Services, Inc., Huntsville, Alabama, while under contract (EG-77-C-01-4016) to the United States Department of Energy (DOE). The DOE Project Manager for the study was Dr. Morton B. Prince, Division of Photovoltaic Energy Systems. Technical coordination was provided by the Solar Energy Research Institute (SERI) Renewable Resource Assessment Branch.

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Roger E. Bray
Principal Investigator

ABSTRACT

This phase of the Site Insolation and Wind Power Characteristics Study was performed to provide statistical information on the expected future availability of solar and wind power at various sites in the Midwest Region of the U.S. Historic data (SOLMET), at 22 National Weather Service stations with hourly solar insolation and collateral meteorological information, were interrogated to provide an estimate of future trends. Solar data are global radiation incident on a horizontal surface, and wind data represent wind power normal to the air flow. Selected insolation and wind power conditions were investigated for their occurrence and persistence, for defined periods of time, on a monthly basis. Global horizontal insolation are related to inclined surfaces at each site. Ratios are provided, monthly, for multiplying global insolation to obtain insolation estimates on south-facing surfaces inclined at different angles with respect to the horizontal. Also, joint probability distribution tables are constructed showing the number of occurrences, out of a finite sample size, of daily average solar and wind power within selected intervals, by month. Information of this nature are intended as an aid to preliminary planning activities for the design and operation of solar and wind energy utilization and conversion systems.

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Section I

INTRODUCTION

Past occurrences of specific weather phenomena provide a reasonable inference of the chance of similar conditions occurring at any given time in the future. Preliminary planning data leading to the design and operation of solar and wind energy utilization and conversion systems should include knowledge of expected solar insolation and wind power trends. Thus, this study phase was performed to provide historic statistical information on solar and wind power availability in the Midwest Region of the United States. A total of 22 NOAA SOLMET stations were selected to represent this region. Statistical information on the occurrence and persistence of selected solar and wind conditions are derived for these sites.

The Midwest Region for this study was defined to conform to the responsible area of the DOE Midwest Regional Solar Energy Center. The states located in this area, and the stations selected for this study from among the states, are shown in Figure 1-1. The stations with asterisks are rehabilitated SOLMET data stations, while the others are derived SOLMET data stations. The historic data at these sites cover time periods of nearly 25 years and are quality controlled hourly solar insolation and collateral surface meteorological data.

Global solar radiation and wind speed data taken from the SOLMET tapes are used to derive daily average insolation and daily average wind power. Empirical probabilities are constructed from these historic data for:

- average daily insolation and average daily wind power, independently, equaling or exceeding (as well as being below) five thresholds, on a monthly basis, for successive occurrences of up to one week,
- persistence, for up to one week, of insolation and wind power, independently, at or above (as well as below) five thresholds, on a monthly basis, and
- the (successive) occurrence and persistence of joint combinations of insolation and wind power equaling or exceeding (as well as being below) all permutations of three thresholds each, also for periods of up to one week.

- DERIVED DATA STATION
- * REHABILITATED DATA STATION



Figure 1-1. SOLMET STATIONS - MIDWEST REGION

Diurnal wind power variations are also considered. Empirical probabilities are constructed for daytime wind power (wind-day) and for nighttime wind power (wind-night), in addition to the daily average wind power (wind-total). All wind power and insolation data are averaged on a 24 hour basis.

Global horizontal insolation (as recorded historically) are related to inclined surfaces at each site using the Becker and Boyd method (ref. 2). Ratios are provided by month for multiplying global insolation to obtain insolation estimates on south-facing surfaces inclined at five different angles with respect to the horizontal. These ratios are based on data for the 21st of each month.

Joint probability distribution tables are constructed showing the number of occurrences, out of a finite sample size, of daily average solar and wind power within selected intervals, by month. Joint distributions were obtained for insolation and wind-day, and for insolation and wind-total. Insolation was divided into seven intervals and wind power was divided into eight intervals.

Presented in Section II is the technical approach followed in accomplishing the study. This section includes study methodology, data requirements and statistical techniques. The statistical results for the occurrence and persistence of selected solar and wind events are presented in Section III. Summary results of the study are included with results presented in Volume I showing monthly, seasonal and annual values of daily average insolation and wind power for sites in all regions.

Section II

TECHNICAL APPROACH

The following subsections comprise the basic technical discussion leading to presentation of the study results. The objectives of the study (discussed in the previous section) and how to accomplish them are presented in a study methodology overview. A discussion of the data requirements encompasses collection and preparation of the SOLMET data for statistical processing. Finally, the statistical techniques are presented which were used in obtaining the empirical probabilities derived for the occurrence and persistence of selected solar and wind events.

2.1 METHODOLOGY

An overview of the logic flow used in accomplishing the study is presented in Figure 2-1. Hourly climatological data, as discussed in the following subsection, are input for a particular weather station. Daily average values of solar insolation and wind power (which is constructed from wind speed data as will be discussed later) are obtained. These data are assigned, using character codes, to within small intervals of an overall power range for each variable. The coded values are stored, by month, on magnetic tape. Thresholds of insolation and wind power are selected for use in deriving statistical information. Insolation and wind events (including diurnal effects) are set up both independently and combined. An event is defined as a meteorological variable (e.g., insolation) being greater than or equal to, or less than, one of the power thresholds previously selected. Counts are obtained for the number of occurrences of each event, on a monthly basis, for one through 14 successive days. Using these counts, empirical probabilities are constructed for 1, ..., or 14 successive days, by month, where each event is satisfied. Probabilities for persistence of the events for 2, ..., and 14 days are also constructed.

Statistical results (Section III) are presented for events persisting for only up to one week. Analyses indicated few occurrences result past one week duration. Greater detail, as well as user information, on each program shown in Figure 2-1 is found in Appendix B in Volume I.

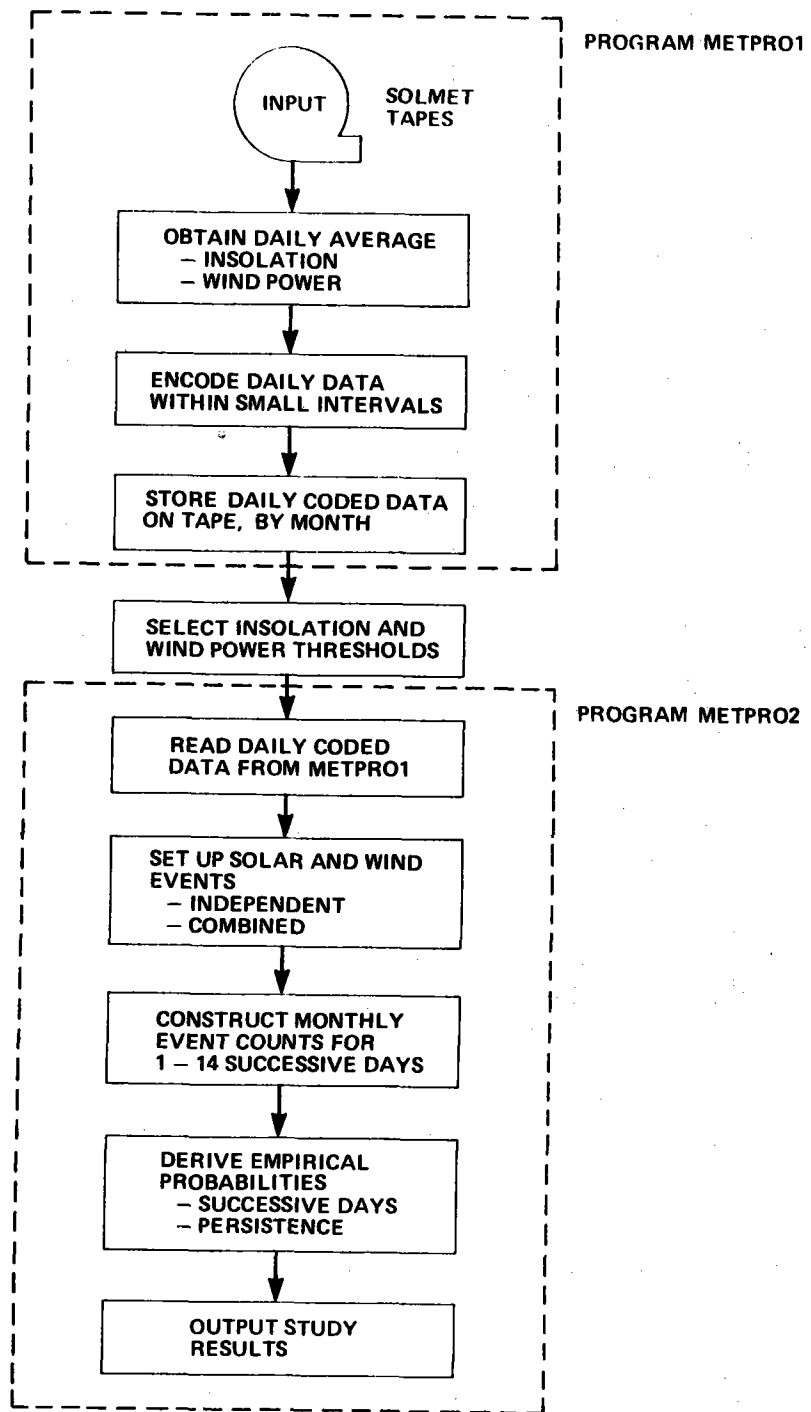


Figure 2-1. STUDY METHODOLOGY OVERVIEW

2.2 DATA REQUIREMENTS

Historic data at the 22 NOAA SOLMET stations selected in the Midwest region (Figure 1-1) are archived by NOAA and were provided on magnetic tape. Most of the tapes have 25 years of quality controlled hourly solar insolation and collateral surface meteorological data.

The specific data from the tapes required for this study are solar insolation and surface wind speed. Insolation data used were from the Standard Year Corrected field on the tapes, which are originally observed data corrected via a standard year irradiance model (ref. 13). Wind speed observations are recorded as observed; however, after the data are read, corrections are made to adjust the wind speed data to a common 10 meter height. This adjustment is made using a one-seventh power law, which is reasonable for the usual airport environment of the SOLMET stations.

The basic unit of energy used for this study is power, in watts/m². The basic period of time is the day. Thus, by simple calculations, solar and wind energy can be compared in the same units.

The insolation data taken from the tapes are global radiation data incident on a horizontal surface, based on a solar constant of 1377 Joules/(m²·s); that is, total direct and diffuse radiation. Hourly insolation data are summed for the day, converted to watts/m² and divided by 24 (or by 8 if data has been recorded every third hour) to obtain a daily average value of insolation. This procedure is consistent with climatic chart summaries published in atlases by the National Climatic Center.

Wind speed data from the tapes can be used in expressing wind energy in terms of power. The amount of wind power contained in the wind is calculated by one-half the air density times the cube of the wind speed. (Windmill theory, ref. 1, shows that a maximum of 59.3% of the power contained in the wind can be extracted as useful kinetic energy.) Atmospheric pressure and dry bulb temperature data are also taken from the tapes for use in calculating density. Thus, wind power is computed at each observation in watts/m², summed for the day, and, analogous to insolation, divided by the total number of observations in

the day to obtain a daily average value of wind power. Diurnal wind power data are obtained in the same way. Note that wind speed data, before computing power, are limited to what is defined a useful wind speed range. Wind speeds below 1.6 m/s (about 3.5 mph) are considered to produce no wind power. In addition, literature and private communications have shown that most wind energy conversion systems discussed reach rated output at wind speeds lower than 14.2 m/s (about 32 mph). Thus, for this study, wind speeds above 14.2 m/s were set to 14.2 m/s to eliminate biasing daily average values of wind power due to unusually high or gusty winds.

The daily average values of insolation and wind power are assigned to character coded small power intervals. For example, the code ED (as seen in Figure 2-2) refers to a daily average insolation of between 40 and 49 watts/m² and a daily average wind power of between 60 and 79 watts/m². This coding process is, basically, to aid in defining, or selecting, solar and wind power levels, or thresholds, for use in the statistical portion of the study. The intervals for insolation (Figure 2-2) are coded in increments of 10 watts/m² until insolation reaches 300 watts/m², then increments of 20 watts/m² until insolation reaches 400 watts/m². The last interval is insolation from 400 watts/m². Intervals for wind power are in increments of 20 watts/m² until daily average wind power reaches 700 watts/m². The last interval is wind power from 700 watts/m². The coding matrix contains 37 rows and 37 columns. The first interval in each row and column was coded blank to handle any days where data is missing.

Generation of diurnal wind power statistics requires knowledge of sunrise/sunset time. For this purpose, each day's hourly observations from the SOLMET tapes were classified in day-night cycles. This was accomplished by externally computing sunrise and sunset at each station on the 15th of each month. It was assumed that this definition would be adequate for the entire month. These data, which were adjusted to the nearest solar hour providing meaningful observational data, were input to the study program.

INSOLATION (WATTS/M ²)	WIND POWER (WATTS/M ²)																																				
	BAD DATA	0-9	10-39	40-59	60-79	80-99	100-119	120-139	140-159	160-179	180-199	200-219	220-239	240-259	260-279	280-299	300-319	320-339	340-359	360-379	380-399	400-419	420-439	440-459	460-479	480-499	500-519	520-539	540-559	560-579	580-599	600-619	620-639	640-659	660-679	680-699	700
BAD DATA	A	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	AA	A1	A2	A3	A4	A5	A6	A7	A8	A9
0-9	A	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	AA	A1	A2	A3	A4	A5	A6	A7	A8	A9
10-19	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	BA	B1	B2	B3	B4	B5	B6	B7	B8	B9
20-29	C	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	CA	C1	C2	C3	C4	C5	C6	C7	C8	C9
30-39	D	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	DA	D1	D2	D3	D4	D5	D6	D7	D8	D9
40-49	E	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	EA	E1	E2	E3	E4	E5	E6	E7	E8	E9
50-59	F	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	FA	F1	F2	F3	F4	F5	F6	F7	F8	F9
60-69	G	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	GA	G1	G2	G3	G4	G5	G6	G7	G8	G9
70-79	H	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	HA	H1	H2	H3	H4	H5	H6	H7	H8	H9
80-89	I	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	IA	I1	I2	I3	I4	I5	I6	I7	I8	I9
90-99	J	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	JL	JM	JN	JO	JP	JK	JR	JS	JT	JU	JV	JW	JX	JY	JZ	JA	J1	J2	J3	J4	J5	J6	J7	J8	J9
100-109	K	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	KA	K1	K2	K3	K4	K5	K6	K7	K8	K9
110-119	L	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	LA	L1	L2	L3	L4	L5	L6	L7	L8	L9
120-129	M	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	MA	M1	M2	M3	M4	M5	M6	M7	M8	M9
130-139	N	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	NA	N1	N2	N3	N4	N5	N6	N7	N8	N9
140-149	O	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	OA	O1	O2	O3	O4	O5	O6	O7	O8	O9
150-159	P	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	PA	P1	P2	P3	P4	P5	P6	P7	P8	P9
160-169	Q	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QR	QS	QT	QU	QV	QW	QX	QY	QZ	QA	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	
170-179	R	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	RA	R1	R2	R3	R4	R5	R6	R7	R8	R9
180-189	S	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	SA	S1	S2	S3	S4	S5	S6	S7	S8	S9
190-199	T	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	TA	T1	T2	T3	T4	T5	T6	T7	T8	T9
200-209	U	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	UA	U1	U2	U3	U4	U5	U6	U7	U8	U9
210-219	V	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	VA	V1	V2	V3	V4	V5	V6	V7	V8	V9
220-229	W	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	VV	VW	VX	VY	VZ	WA	W1	W2	W3	W4	W5	W6	W7	W8	W9
230-239	X	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	XA	X1	X2	X3	X4	X5	X6	X7	X8	X9
240-249	Y	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	YA	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9
250-259	Z	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ	ZA	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9
260-269	0	0A	0B	0C	0D	0E	0F	0G	0H	0I	0J	0K	0L	0M	0N	0O	0P	0Q	0R	0S	0T	0U	0V	0W	0X	0Y	0Z	0A	01	02	03	04	05	06	07	08	09
270-279	1	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L	1M	1N	1O	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1A	11	12	13	14	15	16	17	18	19
280-289	2	2A	2B	2C	2D	2E	2F	2G	2H	2I	2J	2K	2L	2M	2N	2O	2P	2Q	2R	2S	2T	2U	2V	2W	2X	2Y	2Z	2A	21	22	23	24	25	26	27	28	29
290-299	3	3A	3B	3C	3D	3E	3F	3G	3H	3I	3J	3K	3L	3M	3N	3O	3P	3Q	3R	3S	3T	3U	3V	3W	3X	3Y	3Z	3A	31	32	33	34	35	36	37	38	39
300-319	4	4A	4B	4C	4D	4E	4F	4G	4H	4I	4J	4K	4L	4M	4N	4O	4P	4Q	4R	4S	4T	4U	4V	4W	4X	4Y	4Z	4A	41	42	43	44	45	46	47	48	49
320-339	5	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L	5M	5N	5O	5P	5Q	5R	5S	5T	5U	5V	5W	5X	5Y	5Z	5A	51	52	53	54	55	56	57	58	59
340-359	6	6A	6B	6C	6D	6E	6F	6G	6H	6I	6J	6K	6L	6M	6N	6O	6P	6Q	6R	6S	6T	6U	6V	6W	6X	6Y	6Z	6A	61	62	63	64	65	66	67	68	69
360-379	7	7A	7B	7C	7D	7E	7F	7G	7H	7I	7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7X	7Y	7Z	7A	71	72	73	74	75	76	77	78	79
380-399	8	8A	8B	8C	8D	8E	8F	8G	8H	8I	8J	8K	8L	8M	8N	8O	8P	8Q	8R	8S	8T	8U	8V	8W	8X	8Y	8Z	8A	81	82	83	84	85	86	87	88	89
400	9	9A	9B	9C	9D	9E	9F	9G	9H	9I	9J	9K	9L	9M	9N	9O	9P	9Q	9R	9S	9T	9U	9V	9W	9X	9Y	9Z	9A	91	92	93	94	95	96	97	98	99

Figure 2-2. CODING MATRIX FOR INSOLATION AND WIND POWER INTERVALS

2.3 STATISTICAL TECHNIQUES

Statistical information are derived for the occurrence and persistence of insolation and wind power at or above specific levels, or thresholds. Statistical data are also derived for solar and wind power below the same selected thresholds. These data are in the form of empirical probabilities formed from the number of times a specific event occurs in a period of time.

Counts are obtained for the number of occurrences of an event during a given month. Unconditional probabilities are formed by dividing the number of occurrences by the sample size, which is the number of days in the month. Similar probabilities can be obtained for an event occurring for any number of successive days, short of the sample size. For this study, unconditional probabilities were generated for events occurring for 1 through 14 successive days. Note that possibilities of occurrence were investigated into the following month for N-1 successive days to eliminate end-point problems and keep the sample size the same for each successive day string being considered. Probabilities of this nature are then used in determining empirical probabilities for events persisting for periods of time once they have occurred.

The probability of persistence is defined as the probability that an event will continue to occur once it has occurred. The calculation of the probability that insolation or wind power will remain at or above a given value for a specified period of time, knowing that the event occurred initially, is based on the definition of conditional probability. For example, let A and B be two events. Suppose that one is interested in knowing the probability that A will occur subject to the restriction that B has occurred. Since B has occurred, the sample space consists of only those points lying within event B. From the definition of conditional probability,

$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$

where $P(A|B)$ = probability of event A given that event B has occurred
 $P(A \cap B)$ = joint probability of event A and event B
 $P(B)$ = unconditional probability of event B.

Conditional probabilities used to establish probabilities of persistence are applied in this study as follows. Let $\{I_1\}$ be the first day that the insolation equals or exceeds some given value. Let $\{I_1 I_2 I_3\}$ be a sequence of three consecutive days of insolation being at or above the same value. Finally, let $\{I_2 I_3 | I_1\}$ denote the event that, given that the insolation equals or exceeds a specified value in day 1 (therefore, I_1), insolation remains at or above that value for two immediately following days. Therefore,

$$P(I_2 I_3 | I_1) = \frac{P(I_1 I_2 I_3)}{P(I_1)}$$

Note that event A was the event that the insolation remained at or above a specified value for the next two days, that is $I_2 I_3$. By definition the event $I_2 I_3$ is not valid unless I_1 has occurred; therefore, their intersection is the event $I_1 I_2 I_3$. Also, note that the sample spaces of the above three probabilities are not the same. The sample spaces for the two probabilities on the right-hand side of the expression are identical and consist of the total number of observations made. The sample space for the left-hand side of the expression consists of the number of "successes" of I_1 . Utilizing the relative frequency concept of probability, if 25 observations are taken resulting in 10 "successes" for $\{I_1\}$ and 3 "successes" for $\{I_1 I_2 I_3\}$, then the sample space for $\{I_2 I_3 | I_1\}$ is 10 and the probability of the event can be said to be

$$P(I_2 I_3 | I_1) = \frac{3/25}{10/25} = \frac{3}{10}$$

The definition of the sample space and the method of counting successes are very important in any statistical study. In this study, observations are considered to be made each day. A "success" for a simple event, such as an insolation value, consists of that value satisfying a specific threshold requirement. When the persistence of that event over N days is considered, a "success" consists of any one occurrence of the event followed immediately by (N-1) consecutive days the event continues to be satisfied. In both cases, the sample size remains the number of observations made. To further illustrate this point, suppose that the insolation remains at or above a given value for six consecutive days. There are six successes for the simple event. If the

persistence of that event over three-day periods is a primary concern, four successes would be counted (that is, each of the first four observations is immediately followed by two consecutive days above the given range). Assuming that the six days are the only successes of a sample space of one month, 30 days, then the unconditional probability of the simple event occurring is 20% and the unconditional probability of successes for three-day periods is 13.3%. One can readily see, however, that the chance (conditional probability) for a success for two additional days once a success occurs (defined here as three-day persistence) becomes $4/6$, or 66.7%.

Empirical probabilities as discussed above (both unconditional and conditional) were derived, by month, for successive day occurrences and persistences of up to two weeks. These were obtained, at each of the Midwest region SOLMET stations selected, for selected levels of insolation and wind power (including diurnal effects), and are presented in the following section.

Section III

INSOLATION AND WIND POWER STATISTICS

One of the objectives of this study was to provide probability estimates of daily averages of insolation and wind power occurring and persisting at or above specified thresholds for up to one week. Probabilities of this nature provide an inference of the chance of having certain levels of insolation, or wind power as contained in the wind, being available for any day, or a period of days, in each month. Insolation and wind power (including diurnal wind effects) are considered both independently and in combination. Joint probability distribution tables were also developed to show the proportion of days that have wind power and insolation within defined intervals. These statistical data were constructed on a monthly basis at each selected SOLMET station reporting hourly solar and surface meteorological data in the Midwest region (Figure 1-1). These type data will be of specific interest to solar and wind power generation planning activities.

The following subsections present the statistical results of the study. Wind power among stations varies considerably. Thus, each station is placed in one of three defined wind power categories for assigning thresholds that provide meaningful statistical data. Insolation is not as variable, so only one set of thresholds is assigned. The categories (as shown in Table 3-1) are identified as high wind, moderate wind or low wind areas, where the stations are listed alphabetically. Different wind power thresholds are selected for each of the three wind areas. The wind power thresholds selected were: high wind areas - 80, 140, 200, 260 and 320 watts/m²; moderate wind areas - 60, 100, 140, 180 and 220 watts/m²; and low wind areas - 40, 80, 120, 160, and 200 watts/m². Insolation thresholds for all stations were 60, 120, 180, 240 and 300 watts/m².

Empirical probabilities are presented for daily average insolation and daily average wind data. Wind data are presented on a daytime, nighttime and total day basis. An estimate of the daily average wind speed that would correspond, or relate, to the wind power ranges presented, has also been provided. Daily average wind speed associated with the average wind power

Table 3-1. STATIONS CLASSIFIED BY WIND CHARACTERISTICS
- MIDWEST REGION

HIGH WINDS	MODERATE WINDS	LOW WINDS
Bismarck, ND Dodge City, KS Fargo, ND Goodland, KS Grand Island, NB Minot, ND Rapid City, SD Sioux Falls, SD Springfield, IL Wichita, KS	Chicago, IL Cleveland, OH Columbia, MO Dayton, OH Des Moines, IA Fort Wayne, IN Green Bay, WI Madison, WI North Omaha, NB Springfield, MO	Grand Rapids, MI Minneapolis, MN

calculation for the same day was recorded over the 20 years, or so, of data at several stations. By taking the mean of the distribution of daily average wind speeds at several power levels, one can come up with a wind speed vs wind power relationship (as shown in Figure 3-1) that can be used as a first order representation.

Results of the study are discussed in the following subsections, with the data being presented in tabular formats in the appendices. Sample plots are also shown as a suggestion of one possible user approach to visualizing monthly variability of the statistics developed. Empirical probabilities are presented in Appendix A for the occurrence and persistence of selected solar and wind events for each station. Data to estimate solar radiation on various inclined surfaces at each site are shown in Appendix B. The joint solar and wind power probability distribution tables are shown in Appendix C. An example of one method of looking at the month to month variation in empirical probabilities is presented in sample plots shown in Appendix D.

3.1 EMPIRICAL PROBABILITIES

3.1.1 Successive Day Probabilities

Probabilities were generated, by month, for daily average insolation, wind (day), wind (night) and wind (total day) each, independently, equaling or exceeding 5 thresholds. Similar probabilities were also generated for solar and wind power below the same thresholds. These probabilities were constructed for the chance of the events occurring for 1, 3, 5 and 7 successive days at any time during each month. Insolation thresholds remain at 60, 120, 180, 240 and 300 watts/m² for each station. Wind power thresholds of 80, 140, 200, 260 and 320 watts/m² were selected for high wind areas; 60, 100, 140, 180 and 220 watts/m² for moderate wind areas; and 40, 80, 120, 160 and 200 watts/m² for low wind areas.

3.1.2 Probabilities of Persistence

Probabilities were generated, by month, for the insolation and wind variables each, independently, persisting for 2, 3, 5 and 7 days at or above each of five thresholds. Persistence probabilities for up to one week for

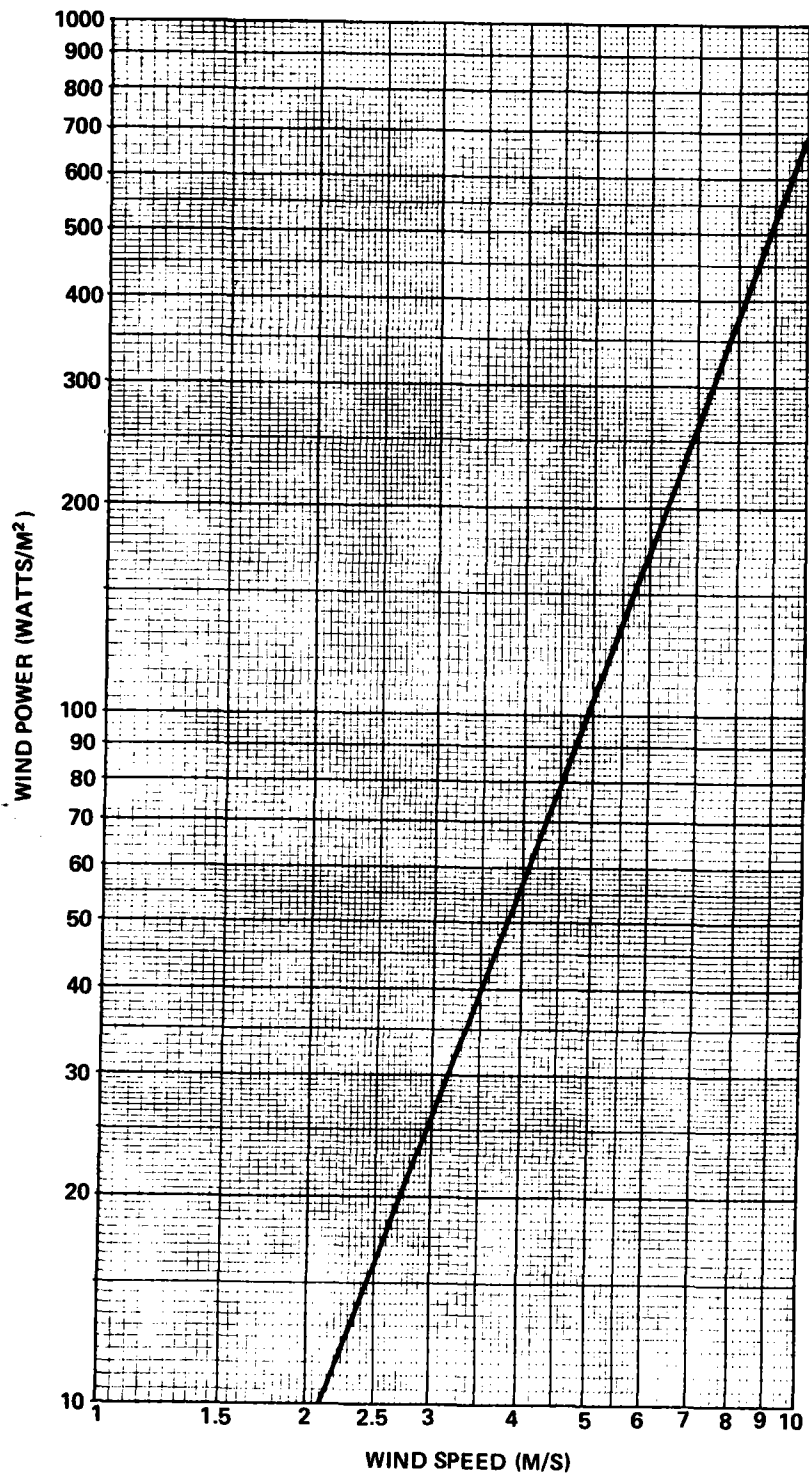


Figure 3-1. DAILY AVERAGE WIND POWER VS. DAILY AVERAGE WIND SPEED

events less than the thresholds were also generated. These are the N-day persistence probabilities for the chance, that once an event has occurred, during a month, it will continue to occur for N-1 additional days. The same power thresholds are used as discussed previously.

3.1.3 Joint Probabilities

Probabilities were also derived for the simultaneous occurrence of insolation and wind power events at or above (and below) specific thresholds. Combinations of insolation and wind (day), and insolation and wind (total) were considered for three thresholds of each. Probabilities were obtained for all permutations of the three thresholds each for 1, 2 and 3 successive days only, since preliminary studies showed there were not many occurrences past 3 days for the joint probabilities. The three thresholds selected for insolation were 50, 150 and 250 watts/m². For wind power, the thresholds selected were: 100, 200 and 300 watts/m² for high wind areas; 60, 120 and 180 watts/m² for moderate wind areas; and 40, 80 and 120 watts/m² for the low wind areas.

3.1.4 Tabular Data

The probabilities generated, as discussed in the preceding subsections, were put into a tabular format for all of the events, thresholds, and successive days, or days of persistence, described. Similar tabular data were generated for all the Midwest region SOLMET stations, and these data are presented in Appendix A for each station, alphabetically. There are 12 total tables per station: 6 for probabilities of successive days, and 6 for probabilities of persistence. Each set of 6 tables presents probabilities for the events insolation, wind (day), wind (night), wind (total), combination insolation-wind (total). The thresholds are those defined previously.

Each table presents probabilities for up to one week, by month. The months, as seen in Table A-1 for Bismarck, are arranged in a calendar type format. The left-most column presents the interval, or threshold, of insolation for the corresponding row of probabilities. For example, the probability of insolation equal to or greater than 120 watts/m², for any successive three-day period in February at Bismarck can be seen, in Table A-1, to be 7%. The same successive day probability can be seen to be 80% in August.

Similar data are presented for Bismarck in Tables A-2 through A-6 for different events. Note that, for the joint probabilities (see Table A-5), the threshold values are presented for insolation first, and then wind. For example, in Table A-5, the probability, at Bismarck, for any three-day period in April, of insolation at or above 150 watts/m^2 when wind (day) is at or above 100 watts/m^2 , is 40%. Probabilities for persistence are shown in Tables A-7 through A-12 for Bismarck. Similar tabular data generated for the other Midwest SOLMET stations are presented in the remainder of Appendix A.

3.2 INSOLATION ON INCLINED SURFACES

Global horizontal insolation (as recorded historically) were related to inclined surfaces at each site using the Becker and Boyd daily average data method (ref. 2). Ratios are provided for each month, based on the 21st day, for multiplying global insolation to obtain insolation estimates on south-facing surfaces inclined at five different angles with respect to the horizontal. The tilt angles chosen were 10, 30, 50, 70 and 90 degrees (vertical). The tilt ratios are presented in Appendix B for each station, alphabetically. The tables are self-explanatory. One can find ratios for different days or other angles using linear interpolation.

3.3 JOINT PROBABILITY DISTRIBUTION TABLES

Joint probability distributions were derived to show the proportion of days that have wind power and insolation within defined intervals. Two-dimensional cells were defined for storing the total number of joint occurrences of insolation and wind power. Cell boundaries are defined by seven intervals of insolation and eight intervals of wind power, making a total of 56 cells. The number of times were recorded that each daily average insolation and wind power value (jointly) fell within one of the cells. These data were constructed by month, where the sample size for each month was the total number of observations (or days) over the total historic record. Of course, days with either solar or wind missing could not be used in obtaining the counts. The total number of observations for each month reflect any missing days. To the best of our knowledge, missing SOLMET tape data are random due to equipment failure, relocations, etc. and are not a function of climatology (high winds, etc.). Thus, missing data do not bias or affect counts or probabilities constructed.

The seven intervals chosen for insolation were 0-60, 60-120, 120-180, 180-240, 240-300, 300-360, and values greater than 360 watts/m². For wind power the intervals were 0-100, 100-200, 200-300, 300-400, 400-500, 500-600, 600-700, and values greater than 700 watts/m². Joint probability distribution data are shown in Appendix C for insolation and wind-day, and for insolation and wind-total. The number of days of joint solar and wind occurrences, out of the total number of observations for each month, are shown in each cell, by month. Tables C-1 and C-2 present joint distribution data for Bismarck. One can see, from Table C-1, that there were 10 days out of a total of 711 January days (nearly 23 years of data) where insolation was between 60 and 120 watts/m² while wind power-day was between 200 and 300 watts/m². Similar data are presented for the other Midwest region stations in Tables C-3 through C-16.

3.4 SAMPLE GRAPHIC DATA

Sample plots were generated, as shown in Appendix D, to illustrate one possible user approach to visualizing monthly variability of the empirical statistics developed in subsection 3.1. The example graphic data presented in Figures D-1 through D-5 are computer generated plots showing one successive day (single occurrence) probabilities, by month, at or above defined thresholds. The data plotted are from the tables previously presented in Appendix A for Boston for the parameters insolation, wind-day, wind-night, wind-total and the combination insolation and wind-total. Roman numeral I on the plots is January, etc. If 2 or more characters are at the same point on the plot, then the total number of points is shown and not the characters, which define thresholds as identified in the figure title. Otherwise, the figures are self-explanatory.

3.5 SUMMARY

Examination of the data presented shows generally expected trends. Insolation is highest in the summer months and lowest in the winter. Wind power is usually highest in spring, and lower in summer than it is in the fall or winter. The diurnal variations of wind power show that at the majority of the stations day wind power is greater than nighttime wind power in all but winter months. One can also see from the results that insolation has better persistence characteristics than does wind power.

Summary results of monthly average values of daily average insolation and wind power are presented in Volume I. These data were formed from the data presented here as an overview of the historic solar and wind conditions at the various SOLMET stations. These data are presented on a monthly, seasonal and annual basis by the use of tables, plots and maps.

Section IV

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Appendix A

TABLES - SUCCESSIVE DAY AND PERSISTENCE PROBABILITIES

Presented in this appendix are the study results in tabular format. Sample plots generated in subsection 3.4 were constructed from these tabular data. A total of 12 tables per station are presented: 6 for probabilities of successive days, and 6 for probabilities of persistence. Each set of 6 tables presents empirical probabilities for the events: insolation, wind (day), wind (night), wind (total), combination insolation-wind (day), and combination insolation-wind (total). The tables are presented for each station, alphabetically, as seen in the following table of contents.

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TABLE A- 1. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL																									
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH																								
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																								
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	50	18	9	5	50	16	4	1	83	66	53	43	17	3	1	0	92	80	69	60	8	0	0	0	90	75	63	53	10	1	0	0
120	0	0	0	0	100	100	100	100	22	7	2	0	78	57	45	35	70	38	20	10	30	4	0	0	75	50	34	24	25	5	0	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	32	9	3	1	68	42	27	18	57	25	11	5	43	14	3	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	98	94	90	36	10	3	1	64	31	13	5
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	98	93	87	80
	MAY		JUNE		JULY		AUGUST																									
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	94	85	77	71	6	0	0	0	98	94	91	88	2	0	0	0	99	98	97	96	1	0	0	0	98	95	92	88	2	0	0	0
120	84	65	51	42	16	2	0	0	90	75	62	54	10	0	0	0	96	91	87	83	4	0	0	0	93	80	67	55	8	0	0	0
180	75	51	37	27	25	5	1	0	80	56	39	29	20	2	1	0	90	77	67	58	10	0	0	0	84	63	45	31	16	2	1	0
240	61	32	18	11	39	12	4	1	70	41	24	15	30	7	3	1	79	54	39	28	21	1	0	0	66	36	19	10	34	10	2	0
300	35	9	2	1	65	34	17	8	50	18	6	2	50	18	8	3	55	20	9	4	45	13	4	1	14	2	1	0	86	74	69	67
	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER																									
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	93	83	74	66	7	1	0	0	83	61	45	34	17	2	0	0	57	24	10	3	43	14	4	1	30	5	1	0	70	39	22	12
120	81	59	45	34	19	3	1	0	56	26	13	7	45	21	14	11	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	58	28	14	8	42	16	8	6	2	0	0	0	98	97	97	97	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	12	1	0	0	88	80	77	76	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 2. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL																									
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH																								
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																								
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
80	22	2	0	0	78	51	33	21	23	2	0	0	77	47	27	13	45	13	3	2	55	19	6	2	60	23	11	5	40	5	1	0
140	10	0	0	0	90	74	61	50	10	0	0	0	90	72	57	45	26	3	0	0	74	44	26	15	38	8	2	1	62	26	12	5
200	5	0	0	0	95	86	78	69	6	0	0	0	98	97	97	93	15	1	0	0	85	64	46	33	26	3	0	0	74	44	28	18
260	2	0	0	0	98	92	87	81	3	0	0	0	97	91	85	79	9	0	0	0	91	76	62	50	16	1	0	0	84	61	46	34
320	1	0	0	0	99	96	93	90	2	0	0	0	98	94	90	86	6	0	0	0	94	84	74	66	10	0	0	0	90	76	65	54
	MAY		JUNE		JULY		AUGUST																									
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
80	61	24	10	4	39	8	2	1	45	12	3	0	55	21	9	5	36	4	0	0	64	30	13	5	36	6	1	0	64	29	12	4
140	39	8	2	0	61	27	13	6	23	3	0	0	78	52	36	25	15	1	0	0	85	63	46	35	17	2	0	0	83	60	44	32
200	24	3	0	0	76	50	35	25	11	0	0	0	89	74	62	52	8	0	0	0	92	79	69	60	7	0	0	0	93	80	68	59
260	13	1	0	0	87	67	53	43	6	0	0	0	94	83	75	68	3	0	0	0	97	92	87	82	3	0	0	0	97	91	84	77
320	8	0	0	0	92	79	69	61	3	0	0	0	97	91	85	81	1	0	0	0	99	97	95	93	1	0	0	0	99	95	92	88
	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER																									
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
80	41	8	1	0	59	22	7	2	35	5	0	0	65	29	13	7	29	4	0	0	71	41	26	16	20	2	0	0	80	54	35	23
140	24	2	0	0	76	46	26	15	20	1	0	0	80	53	36	24	16	1	0	0	84	61	46	33	10	0	0	0	90	75	62	50
200	12	1	0	0	88	70	55	44	11	0	0	0	89	70	55	43	9	0	0	0	91	77	67	58	4	0	0	0	96	89	82	76
260	6	0	0	0	94	83	73	66	7	0	0	0	93	81	72	64	5	0	0	0	95	86	78	72	2	0	0	0	98	94	90	86
320	3	0	0	0	97	90	84	78	4	0	0	0	96	88	82	76	3	0	0	0	97	90	85	80	1	0	0	0	99	96	93	91

TABLE A- 3. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	40	10	3	1	61	28	13	6	35	7	1	0	65	35	19	9	28	6	1	0	72	47	29	18	30	7	1	0	70	43	25	15
140	23	3	1	0	77	51	33	22	17	2	0	0	83	61	46	34	15	1	0	0	85	68	54	41	16	2	0	0	84	65	50	38
200	13	1	0	0	87	70	58	47	11	1	0	0	89	73	62	52	7	0	0	0	93	81	71	62	7	0	0	0	93	81	71	61
260	9	1	0	0	91	79	70	63	7	0	0	0	93	81	72	65	4	0	0	0	96	90	83	78	4	0	0	0	96	90	84	78
320	5	0	0	0	95	86	79	74	6	0	0	0	94	85	77	70	2	0	0	0	98	94	90	86	2	0	0	0	98	94	89	86
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	23	5	1	0	77	56	43	34	13	1	0	0	87	69	53	41	7	0	0	0	93	82	73	65	8	0	0	0	92	79	68	58
140	9	1	0	0	91	79	70	63	4	0	0	0	96	91	86	81	1	0	0	0	99	96	94	91	3	0	0	0	97	91	86	80
200	3	0	0	0	97	93	89	86	1	0	0	0	99	97	95	93	0	0	0	0	100	99	98	97	1	0	0	0	99	97	95	94
260	2	0	0	0	98	95	93	91	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97
320	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	17	1	0	0	83	62	46	34	25	2	1	0	75	47	29	19	32	8	2	0	68	43	29	20	34	8	2	0	66	34	19	11
140	6	0	0	0	94	84	75	66	11	0	0	0	89	72	58	47	18	2	0	0	82	63	50	39	18	2	0	0	82	60	46	36
200	2	0	0	0	98	95	90	86	7	0	0	0	93	81	71	63	11	1	0	0	89	73	61	51	12	1	0	0	88	73	60	51
260	1	0	0	0	99	98	96	93	3	0	0	0	97	89	83	76	7	0	0	0	93	83	74	66	7	0	0	0	93	82	73	65
320	1	0	0	0	99	98	96	95	2	0	0	0	98	93	88	83	4	0	0	0	96	90	84	78	4	0	0	0	96	88	82	75

TABLE A- 4. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	52	19	7	2	48	16	4	1	53	19	6	1	47	15	5	2	63	30	16	10	37	8	1	0	73	42	24	13	27	3	1	0
140	34	8	2	1	66	33	16	8	32	6	1	0	68	38	21	11	42	13	4	2	58	25	11	4	54	22	10	5	46	13	3	1
200	25	3	0	0	75	47	29	18	22	3	0	0	78	53	35	23	29	5	1	0	71	41	23	11	41	12	4	1	59	27	12	6
260	17	2	0	0	83	61	46	34	16	1	0	0	84	63	48	37	21	2	0	0	79	54	36	23	29	5	1	0	71	42	25	16
320	13	1	0	0	88	70	58	48	11	1	0	0	89	71	56	45	15	1	0	0	85	65	47	34	22	3	0	0	78	52	35	24
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	71	39	20	10	29	4	1	1	57	22	9	3	43	11	3	1	48	12	2	0	52	18	6	2	50	15	5	3	50	14	4	2
140	52	19	7	2	48	17	5	2	34	8	2	0	67	35	17	8	25	2	0	0	75	46	28	17	27	4	1	0	73	43	26	17
200	36	9	3	1	64	34	18	10	20	2	0	0	80	57	39	28	12	0	0	0	88	71	58	49	15	1	0	0	85	66	50	39
260	25	4	0	0	75	48	32	22	12	1	0	0	88	72	58	49	6	0	0	0	94	84	76	68	8	0	0	0	92	79	67	57
320	17	1	0	0	83	62	49	38	8	0	0	0	92	81	71	63	3	0	0	0	97	92	88	83	4	0	0	0	96	87	79	71
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	56	21	7	2	44	13	4	1	56	22	9	3	44	12	4	1	51	22	9	4	49	20	9	4	48	15	5	1	52	19	8	4
140	35	6	1	0	65	30	13	5	34	6	1	0	66	33	17	8	35	8	2	0	65	37	22	13	30	5	1	0	70	38	22	13
200	23	2	0	0	77	49	30	18	23	1	0	0	77	47	29	18	24	4	0	0	76	52	37	25	22	3	0	0	78	52	35	24
260	14	1	0	0	86	65	49	36	17	1	0	0	83	58	41	29	19	2	0	0	81	59	44	32	16	2	0	0	84	63	48	36
320	9	0	0	0	91	76	64	54	13	0	0	0	87	68	53	42	14	1	0	0	86	67	54	43	11	1	0	0	89	73	60	49

TABLE A- 5. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL														
	GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH											
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7							
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	11	0	0	0	27	4	1	0	16	1	0	0	8	1	0	0	34	7	2	1	2	0	0	0	46	12	4	1	3	0	0	0	0	0	0	0
50/200	2	0	0	0	30	5	1	0	5	0	0	0	9	1	0	0	14	1	0	0	4	0	0	0	24	2	0	0	5	0	0	0	0	0	0	0
50/300	0	0	0	0	32	5	1	0	2	0	0	0	10	1	0	0	6	0	0	0	4	0	0	0	10	0	0	0	7	0	0	0	0	0	0	0
150/100	0	0	0	0	84	62	46	35	0	0	0	0	82	58	40	27	18	1	0	0	29	4	0	0	32	4	1	0	14	1	0	0	0	0	0	0
150/200	0	0	0	0	95	86	78	69	0	0	0	0	94	82	70	58	7	0	0	0	40	10	1	0	17	1	0	0	23	4	0	0	0	0	0	0
150/300	0	0	0	0	99	96	93	89	0	0	0	0	98	91	83	74	4	0	0	0	44	12	2	0	7	0	0	0	29	6	1	0	0	0	0	0
250/100	0	0	0	0	84	62	46	35	0	0	0	0	82	58	41	28	0	0	0	0	63	28	13	6	12	0	0	0	33	5	1	0	0	0	0	0
250/200	0	0	0	0	95	86	78	69	0	0	0	0	94	83	73	63	0	0	0	0	85	64	46	32	5	0	0	0	51	17	6	3	0	0	0	0
250/300	0	0	0	0	99	96	93	89	0	0	0	0	98	93	88	83	0	0	0	0	93	81	69	58	2	0	0	0	64	29	13	5	0	0	0	0

THRESHOLD	MAY							JUNE							JULY							AUGUST														
	GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH											
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7							
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	49	14	4	1	1	0	0	0	34	8	2	0	0	0	0	0	27	2	0	0	0	0	0	0	27	3	0	0	1	0	0	0	0	0	0	0
50/200	22	3	0	0	3	0	0	0	11	0	0	0	1	0	0	0	8	0	0	0	0	0	0	0	7	0	0	0	1	0	0	0	0	0	0	0
50/300	9	1	0	0	4	0	0	0	4	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
150/100	40	9	2	0	8	0	0	0	30	6	1	0	9	1	0	0	26	2	0	0	5	0	0	0	23	2	0	0	7	0	0	0	0	0	0	0
150/200	18	2	0	0	15	1	0	0	10	0	0	0	13	1	0	0	7	0	0	0	6	0	0	0	7	0	0	0	10	1	0	0	0	0	0	0
150/300	8	0	0	0	19	2	0	0	4	0	0	0	14	2	1	0	1	0	0	0	6	0	0	0	1	0	0	0	11	1	0	0	0	0	0	0
250/100	27	3	1	0	17	2	1	0	22	3	1	0	20	2	0	0	21	1	0	0	18	1	0	0	14	1	0	0	26	4	1	0	0	0	0	0
250/200	12	0	0	0	31	6	1	0	8	0	0	0	30	7	2	1	6	0	0	0	23	3	0	0	4	0	0	0	35	9	3	1	0	0	0	0
250/300	5	0	0	0	38	11	3	1	3	0	0	0	32	8	3	1	1	0	0	0	24	3	0	0	1	0	0	0	38	12	5	2	0	0	0	0

TABLE A- 6. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL														
	GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH				GE. THRESH			LT. THRESH											
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7							
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	27	4	1	0	14	1	0	0	39	7	1	0	5	1	0	0	52	16	5	1	1	0	0	0	61	26	10	4	2	0	0	0	0	0	0	0
50/200	15	1	0	0	23	2	0	0	20	1	0	0	7	1	0	0	26	4	1	0	2	0	0	0	37	9	3	1	4	0	0	0	0	0	0	0
50/300	8	0	0	0	27	3	1	0	11	0	0	0	8	1	0	0	15	1	0	0	3	0	0	0	21	3	0	0	5	0	0	0	0	0	0	0
150/100	0	0	0	0	54	20	7	2	0	0	0	0	55	21	8	3	26	3	1	0	19	2	0	0	42	11	2	1	8	0	0	0	0	0	0	0
150/200	0	0	0	0	75	47	29	18	0	0	0	0	78	52	34	21	13	0	0	0	32	7	1	0	25	3	1	0	17	2	0	0	0	0	0	0
150/300	0	0	0	0	86	67	54	45	0	0	0	0	87	66	50	37	7	0	0	0	38	9	1	0	14	1	0	0	23	4	0	0	0	0	0	0
250/100	0	0	0	0	54	20	7	2	0	0	0	0	55	21	8	3	0	0	0	0	44	12	3	1	16	1	0	0	21	2	0	0	0	0	0	0
250/200	0	0	0	0	75	47	29	18	0	0	0	0	78	53	35	23	0	0	0	0	71	41	23	11	8	0	0	0	39	10	4	2	0	0	0	0
250/300	0	0	0	0	86	67	54	45	0	0	0	0	87	68	53	41	0	0	0	0	84	61	42	28	4	0	0	0	53	20	8	3	0	0	0	0

TABLE A- 7. PROBABILITY(X), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	57	35	16	9	53	30	8	2	87	78	62	49	27	11	2	1	93	87	75	64	12	2	0	0	91	83	69	57	18	6	0	0
120	0	0	0	0	100	100	100	100	46	24	6	2	84	73	57	45	73	53	27	14	37	12	1	0	81	65	43	29	36	17	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	53	27	9	3	77	60	39	26	66	43	18	8	51	28	6	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	99	98	95	90	50	26	7	1	69	47	19	7
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	12	6	2	0	97	95	89	82
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	95	90	82	75	12	3	0	0	98	96	93	89	2	0	0	0	99	99	98	96	0	0	0	0	99	97	93	89	3	1	0	0
120	87	76	59	49	28	9	1	0	90	82	68	58	14	3	0	0	97	94	90	86	6	0	0	0	93	86	72	59	11	2	0	0
180	81	66	47	34	39	19	4	0	83	68	48	35	27	6	2	0	92	85	73	63	17	2	0	0	86	73	52	36	22	9	2	1
240	69	49	27	16	51	29	8	1	76	57	33	20	41	18	6	2	81	66	47	33	24	5	0	0	72	53	28	14	47	27	6	1
300	47	22	5	2	71	50	24	10	57	32	10	3	57	33	13	5	57	33	14	6	50	26	7	2	31	11	3	1	91	86	81	78
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	94	88	78	69	8	3	0	0	84	71	52	39	28	7	1	0	65	42	16	5	52	29	8	3	35	15	4	1	73	54	30	16
120	84	72	54	41	35	11	2	0	65	44	21	10	60	44	28	24	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	67	46	22	12	59	35	17	12	9	1	0	0	99	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	32	7	1	0	93	90	87	86	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 8. PROBABILITY(X), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	26	8	0	0	79	64	40	25	29	6	0	0	78	60	35	17	48	25	6	3	58	32	10	3	57	35	15	7	37	11	2	0
140	15	2	0	0	90	81	66	54	17	3	0	0	89	79	63	49	31	9	1	0	77	58	34	19	38	17	4	1	62	39	16	7
200	6	0	0	0	95	90	81	72	13	3	0	0	94	89	78	67	17	4	0	0	86	74	53	37	28	7	1	0	76	58	36	23
260	0	0	0	0	97	94	89	83	0	0	0	0	97	94	87	81	10	1	0	0	91	83	68	54	16	3	0	0	85	72	53	40
320	0	0	0	0	99	97	94	91	0	0	0	0	98	95	91	87	9	1	0	0	94	89	79	69	13	1	0	0	91	84	71	58
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	62	37	14	5	44	20	4	2	47	23	5	0	57	34	14	7	37	11	1	0	65	44	19	7	39	15	2	1	66	43	17	6
140	42	19	3	0	64	43	19	9	28	10	1	0	81	66	44	30	15	2	0	0	86	73	53	40	22	8	0	0	84	71	51	37
200	30	10	0	0	79	64	43	31	18	3	0	0	90	82	68	58	5	0	0	0	92	85	73	64	6	0	0	0	93	86	73	63
260	18	4	0	0	88	77	61	49	4	1	0	0	94	89	80	72	0	0	0	0	97	94	89	84	9	0	0	0	97	94	86	79
320	11	1	0	0	92	85	74	65	2	1	0	0	97	94	88	83	0	0	0	0	99	98	96	94	1	0	0	0	99	97	93	89
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	40	16	1	0	59	35	10	4	37	13	1	0	65	42	19	9	37	12	1	0	74	56	34	20	26	6	0	0	82	66	43	28
140	28	6	0	0	78	60	33	19	19	3	0	0	80	64	42	28	16	2	0	0	84	71	53	38	13	1	0	0	91	82	67	54
200	13	3	0	0	89	78	61	49	11	1	0	0	89	79	62	48	9	1	0	0	92	84	72	62	9	2	0	0	96	92	85	79
260	5	0	0	0	94	88	78	69	6	0	0	0	93	87	77	67	3	0	0	0	95	90	82	75	2	0	0	0	98	95	91	87
320	3	0	0	0	97	93	87	81	5	0	0	0	96	92	85	79	4	0	0	0	97	94	87	82	2	0	0	0	98	97	95	92

TABLE A- 9. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	49	24	6	1	66	44	19	8	45	18	2	0	72	52	27	12	44	17	2	0	79	63	39	24	49	21	3	0	77	60	34	19
140	28	11	2	0	80	64	41	26	32	8	1	0	85	73	54	40	28	4	0	0	89	79	62	47	28	8	0	0	88	76	58	44
200	20	5	1	0	89	80	65	52	18	3	0	0	90	82	68	57	17	2	0	0	94	87	76	67	15	2	0	0	94	88	76	66
260	15	4	0	0	93	86	76	67	14	1	0	0	93	87	77	68	8	2	0	0	96	93	86	81	6	0	0	0	96	93	87	80
320	7	3	0	0	95	90	83	77	12	0	0	0	95	89	81	73	5	1	0	0	98	96	91	88	0	0	0	0	98	96	91	87

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	38	15	1	0	82	70	53	42	18	3	0	0	89	78	60	46	8	0	0	0	94	88	78	69	26	1	0	0	94	86	73	61
140	16	3	0	0	92	86	76	68	7	1	0	0	97	94	88	83	0	0	0	0	99	97	95	92	5	0	0	0	97	94	88	82
200	9	2	0	0	98	96	92	88	3	0	0	0	99	98	96	94	0	0	0	0	100	99	98	97	2	0	0	0	99	98	96	94
260	3	0	0	0	99	97	94	92	2	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97
320	1	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	26	4	0	0	86	73	53	38	32	8	2	0	77	60	37	23	51	24	4	0	76	58	38	25	44	20	5	1	71	50	27	15
140	8	1	0	0	94	89	78	69	19	3	0	0	89	80	64	51	32	9	0	0	86	75	58	45	29	7	1	0	85	72	55	43
200	4	0	0	0	98	96	91	87	11	0	0	0	93	87	76	66	18	2	0	0	90	81	66	55	27	5	0	0	90	82	67	56
260	2	0	0	0	99	98	96	94	5	0	0	0	96	92	85	78	9	0	0	0	94	88	78	69	23	3	0	0	94	88	78	69
320	2	0	0	0	99	99	97	95	1	0	0	0	97	95	89	84	8	0	0	0	96	93	87	81	14	2	0	0	96	92	85	78

TABLE A- 10. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	57	34	12	4	53	29	6	1	59	35	11	2	53	29	10	3	65	44	23	13	42	17	2	0	75	56	31	17	26	6	2	0
140	40	17	5	1	69	49	22	11	43	17	1	0	72	54	28	14	51	29	9	3	65	41	17	6	59	36	15	7	53	26	6	1
200	27	10	1	0	76	60	36	21	37	11	0	0	81	66	43	28	39	14	1	0	75	57	32	14	48	25	7	1	65	44	18	9
260	24	7	1	0	85	73	54	40	29	5	0	0	86	74	55	42	28	8	0	0	81	67	45	28	38	14	2	0	76	57	33	20
320	15	3	0	0	89	79	64	53	20	4	0	0	89	79	63	49	20	5	0	0	87	75	55	39	28	9	1	0	81	66	44	29

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	74	54	27	13	37	13	3	2	59	36	14	5	47	22	6	2	51	23	4	0	55	32	9	3	52	27	9	4	52	26	6	2
140	58	34	11	3	57	34	10	3	41	21	5	1	71	51	24	10	27	6	0	0	78	61	36	22	34	11	2	0	75	56	33	21
200	44	22	6	2	70	52	27	14	26	8	1	0	83	70	47	33	18	1	0	0	89	80	64	54	25	6	0	0	87	76	58	44
260	33	13	1	0	78	63	41	26	14	3	0	0	89	81	65	54	11	0	0	0	94	89	79	72	12	1	0	0	93	85	71	61
320	22	5	0	0	84	73	57	45	12	1	0	0	93	87	77	68	0	0	0	0	98	95	90	85	10	1	0	0	96	91	82	74

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	61	36	11	3	50	27	7	2	60	36	14	5	47	25	7	2	62	41	17	6	60	37	16	7	55	30	9	3	58	35	14	7
140	38	14	1	0	67	44	19	7	40	16	3	1	68	48	23	10	48	22	4	0	72	53	30	18	37	13	2	0	72	53	30	17
200	24	6	1	0	80	62	37	21	27	6	1	0	77	59	36	22	42	14	0	0	82	67	46	32	31	10	1	0	80	65	44	29
260	18	4	0	0	88	75	56	41	21	4	0	0	83	70	48	33	29	9	0	0	84	70	52	38	27	8	1	0	87	75	56	42
320	9	0	0	0	92	83	70	56	19	2	0	0	88	77	60	46	18	4	0	0	87	76	61	48	26	5	0	0	90	81	66	55

TABLE A- 11. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	8	1	0	0	30	10	2	0	25	5	0	0	10	4	1	0	37	16	4	1	0	0	0	0	44	22	6	2	3	0	0	0
50/200	1	0	0	0	32	12	2	0	12	3	0	0	10	4	1	0	14	3	0	0	5	0	0	0	23	6	1	0	8	1	0	0
50/300	0	0	0	0	33	13	3	0	0	0	0	0	12	4	2	1	3	0	0	0	5	0	0	0	8	1	0	0	13	1	0	0
150/100	0	0	0	0	85	72	53	40	0	0	0	0	83	69	47	31	19	6	1	0	36	11	1	0	35	10	1	0	17	5	0	0
150/200	0	0	0	0	95	90	81	72	0	0	0	0	94	87	74	61	7	0	0	0	49	22	3	0	17	3	0	0	31	13	1	0
150/300	0	0	0	0	99	97	94	90	0	0	0	0	97	93	84	75	2	0	0	0	53	26	5	1	3	0	0	0	34	17	2	0
250/100	0	0	0	0	85	72	53	40	0	0	0	0	83	69	48	32	0	0	0	0	66	41	18	8	16	3	0	0	34	12	2	0
250/200	0	0	0	0	95	90	81	72	0	0	0	0	94	89	78	67	0	0	0	0	86	74	53	36	6	1	0	0	56	32	11	4
250/300	0	0	0	0	99	97	94	90	0	0	0	0	97	95	90	84	0	0	0	0	93	87	74	62	2	0	0	0	68	45	18	8

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	52	26	6	2	2	0	0	0	41	20	4	0	0	0	0	0	26	5	0	0	0	0	0	29	10	1	0	0	0	0	0	
50/200	29	10	0	0	4	0	0	0	18	3	0	0	2	0	0	0	5	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
50/300	14	2	0	0	6	0	0	0	4	1	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
150/100	43	19	5	1	7	1	0	0	37	16	3	0	8	2	1	0	26	5	0	0	5	1	0	23	7	0	0	8	2	1	0	
150/200	24	7	0	0	19	5	0	0	17	3	0	0	16	3	1	0	5	0	0	0	9	2	0	5	0	0	0	12	2	1	0	
150/300	10	2	0	0	29	10	1	0	4	1	0	0	18	6	2	0	0	0	0	0	9	2	0	1	0	0	0	13	3	1	0	
250/100	28	10	2	0	19	7	1	0	30	10	2	0	25	8	3	0	23	3	0	0	24	7	0	0	18	3	0	0	37	15	3	1
250/200	15	2	0	0	39	17	3	0	10	1	0	0	38	17	6	2	4	0	0	0	30	9	0	0	2	0	0	0	47	27	11	6
250/300	6	1	0	0	49	26	8	2	1	0	0	0	43	19	6	2	0	0	0	0	30	9	0	0	0	0	0	0	49	30	13	6

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	35	12	1	0	3	1	0	0	27	8	0	0	14	1	0	0	14	2	0	0	28	12	2	0	5	0	0	0	51	25	6	1
50/200	12	3	0	0	5	1	0	0	9	1	0	0	20	3	0	0	3	0	0	0	37	16	3	0	0	0	0	0	54	30	8	2
50/300	2	0	0	0	5	1	0	0	4	0	0	0	22	4	0	0	2	0	0	0	39	18	4	1	0	0	0	0	56	31	9	3
150/100	26	8	1	0	32	8	0	0	16	1	0	0	69	48	24	13	0	0	0	0	78	62	40	26	0	0	0	0	86	74	54	39
150/200	7	2	0	0	40	16	4	0	5	0	0	0	79	66	48	36	0	0	0	0	92	84	72	62	0	0	0	0	96	92	85	79
150/300	1	0	0	0	42	18	6	1	4	0	0	0	85	77	65	59	0	0	0	0	96	93	86	81	0	0	0	0	98	96	93	89
250/100	2	0	0	0	63	40	15	6	0	0	0	0	73	54	29	16	0	0	0	0	78	62	40	26	0	0	0	0	86	74	54	39
250/200	0	0	0	0	87	76	58	46	0	0	0	0	89	79	62	48	0	0	0	0	92	84	72	62	0	0	0	0	96	92	85	79
250/300	0	0	0	0	94	89	80	73	0	0	0	0	95	91	84	77	0	0	0	0	96	93	86	81	0	0	0	0	98	96	93	89

TABLE A- 12. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BISMARCK, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	29	11	2	0	12	4	1	0	41	15	2	0	4	2	1	0	54	29	8	1	0	0	0	63	40	15	6	2	0	0	0	
50/200	12	2	0	0	22	7	1	0	28	5	0	0	10	4	1	0	37	12	1	0	0	0	0	41	20	5	1	6	0	0	0	
50/300	6	0	0	0	29	10	2	0	19	1	0	0	10	4	1	0	18	3	0	0	1	0	0	24	8	1	0	8	1	0	0	
150/100	0	0	0	0	58	35	11	4	0	0	0	0	57	34	13	4	31	9	2	0	29	8	1	0	50	23	4	1	9	2	0	0
150/200	0	0	0	0	76	60	36	21	0	0	0	0	81	65	42	26	14	1	0	0	45	20	2	0	30	9	1	0	24	10	0	0
150/300	0	0	0	0	87	77	62	50	0	0	0	0	87	75	56	42	5	0	0	0	48	21	3	0	17	4	0	0	30	14	1	0
250/100	0	0	0	0	58	35	11	4	0	0	0	0	57	34	13	4	0	0	0	0	48	23	5	1	19	3	0	0	25	5	1	0
250/200	0	0	0	0	76	60	36	21	0	0	0	0	81	66	43	28	0	0	0	0	75	57	31	14	17	6	0	0	45	23	8	3
250/300	0	0	0	0	87	77	62	50	0	0	0	0	88	77	59	46	0	0	0	0	86	72	50	33	9	3	0	0	58	35	13	5

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	63	38	12	4	2	0	0	0	52	29	8	2	0	0	0	0	43	15	2	0	0	0	0	44	19	4	1	0	0	0	0	
50/200	40	18	4	1	2	0	0	0	26	8	1	0	0	0	0	0	18	1	0	0	0	0	0	25	7	0	0	0	0	0	0	
50/300	23	8	0	0	7	0	0	0	12	2	0	0	2	0	0	0	6	0	0	0	0	0	0	7	1	0	0	0	0	0	0	
150/100	54	28	6	1	5	1	0	0	45	21	6	2	4	0	0	0	39	11	1	0	2	0	0	0	40	16	3	0	2	0	0	0
150/200	33	13	3	1	12	2	0	0	23	7	1	0	12	4	1	0	18	1	0	0	8	2	0	0	20	4	0	0	9	2	1	0
150/300	20	4	0	0	18	4	0	0	10	2	0	0	16	3	1	0	6	0	0	0	9	2	0	0	4	1	0	0	12	2	1	0
250/100	38	16	2	1	13	5	1	0	36	16	4	1	21	9	0	0	29	5	0	0	13	2	0	0	28	8	0	0	31	7	1	0
250/200	23	6	1	0	33	13	2	0	16	3	1	0	33	13	4	1	12	0	0	0	27	9	0	0	14	1	0	0	45	24	6	1
250/300	13	1	0	0	41	18	4	1	3	0	0	0	39	16	6	2	2	0	0	0	30	9	0	0	5	0	0	0	48	28	11	5

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
50/100	47	21	5	1	3	1	0	0	43	18	3	0	3	0	0	0	32	11	1	0	23	10	1	0	14	2	1	1	30	13	3	1
50/200	25	7	1	0	3	1	0	0	20	4	0	0	14	2	0	0	22															

TABLE A- 13. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	54	19	7	2	46	14	5	1	70	38	21	12	30	4	1	0	87	67	52	41	13	1	0	0	97	92	89	85	3	0	0	0
120	2	1	1	0	98	94	89	83	39	11	5	2	61	26	12	4	59	26	11	5	41	10	2	0	74	45	28	18	26	3	0	0
180	0	0	0	0	100	100	100	100	4	0	0	0	96	89	82	74	37	7	2	1	63	28	13	5	55	24	12	7	45	14	4	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	1	0	0	96	90	83	76	36	9	4	2	64	31	14	6
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	1	0	0	96	88	80	73

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	99	98	97	96	1	0	0	0	100	100	100	100	0	0	0	0	100	99	98	98	0	0	0	0								
120	85	63	49	39	15	1	0	0	94	85	77	69	6	0	0	0	94	84	74	65	6	0	0	0	91	76	64	52	9	0	0	0
180	68	38	23	13	32	7	1	0	84	65	51	41	16	1	0	0	82	59	40	27	18	2	0	0	79	50	31	19	21	1	0	0
240	55	26	12	6	45	16	7	2	69	39	22	13	31	6	1	0	67	33	14	6	33	6	1	0	54	19	7	3	46	13	4	1
300	33	9	3	1	67	38	22	14	45	16	6	2	55	22	9	3	35	9	2	0	65	36	22	16	2	0	0	0	98	95	95	94

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	97	91	85	78	3	0	0	0	85	64	48	36	15	2	0	0	58	25	10	4	42	12	4	1	39	7	1	0	61	27	13	5
120	79	54	37	25	21	3	0	0	61	32	17	10	39	16	7	4	9	1	0	0	91	83	80	79	0	0	0	0	100	100	100	100
180	58	26	11	4	42	14	4	2	7	1	0	0	93	88	87	86	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	10	2	0	0	90	83	79	77	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 14. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	36	9	3	1	64	32	18	10	47	13	4	1	53	19	8	4	51	18	7	2	49	18	7	4	56	22	8	3	44	13	5	2
100	19	2	0	0	61	58	43	32	27	4	0	0	73	42	25	16	30	5	0	0	70	39	22	11	37	7	1	0	63	31	16	9
140	10	1	0	0	90	73	61	51	18	1	0	0	82	58	40	28	19	2	0	0	81	55	38	26	24	3	0	0	76	46	30	21
180	6	0	0	0	94	83	73	64	11	1	0	0	89	74	60	49	13	0	0	0	87	64	47	34	18	1	0	0	82	58	44	34
220	4	0	0	0	96	88	81	74	6	0	0	0	94	83	72	63	9	0	0	0	91	72	57	44	13	0	0	0	87	69	56	46

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	48	16	7	3	52	22	9	3	40	11	4	1	60	30	18	11	26	3	0	0	74	47	33	24	23	2	0	0	77	49	30	19
100	28	4	1	0	72	43	28	18	19	2	0	0	81	59	45	35	11	1	0	0	89	75	66	58	7	0	0	0	93	81	69	60
140	18	1	0	0	82	61	47	37	11	1	0	0	89	74	63	53	4	0	0	0	96	89	82	77	3	0	0	0	97	91	86	81
180	10	0	0	0	90	78	67	60	5	0	0	0	95	87	79	73	1	0	0	0	99	95	93	90	1	0	0	0	99	96	94	92
220	6	0	0	0	94	86	79	73	3	0	0	0	97	92	87	83	1	0	0	0	99	97	95	94	0	0	0	0	100	99	98	98

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	29	4	1	1	71	40	24	15	33	7	2	1	67	36	22	15	39	7	1	0	61	27	13	6	33	5	1	0	67	34	19	12
100	13	0	0	0	87	68	55	44	16	1	0	0	84	64	51	41	22	2	0	0	78	51	35	24	16	1	0	0	84	63	48	39
140	6	0	0	0	94	85	75	67	8	0	0	0	92	79	68	59	12	1	0	0	88	71	57	45	7	0	0	0	93	82	72	65
180	3	0	0	0	97	92	87	82	4	0	0	0	96	88	80	73	7	0	0	0	93	83	73	63	4	0	0	0	96	88	82	77
220	1	0	0	0	99	96	93	90	2	0	0	0	98	93	89	85	5	0	0	0	95	88	80	73	2	0	0	0	98	93	89	86

TABLE A- 15. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	54	26	14	8	46	20	11	7	49	21	8	4	52	26	14	8	50	22	7	2	50	23	11	6	37	8	2	0	63	34	21	14
100	35	9	2	1	65	38	24	15	29	7	1	0	71	46	31	22	31	6	1	0	69	42	25	14	20	2	0	0	80	58	46	37
140	23	4	1	0	77	54	39	28	18	2	0	0	82	62	48	39	18	2	0	0	82	61	45	32	11	1	0	0	89	75	64	56
180	15	2	0	0	85	68	55	45	11	1	0	0	89	74	62	52	11	1	0	0	89	73	61	50	6	0	0	0	94	84	76	69
220	9	1	0	0	91	78	69	60	6	0	0	0	94	85	75	67	8	0	0	0	92	80	69	60	4	0	0	0	96	90	85	81

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	19	3	0	0	81	63	51	43	6	0	0	0	94	85	78	72	4	0	0	0	96	90	85	81	5	0	0	0	95	87	79	72
100	8	1	0	0	92	82	73	66	2	0	0	0	98	96	94	92	1	0	0	0	99	98	97	95	1	0	0	0	99	98	96	95
140	3	0	0	0	97	92	87	83	1	0	0	0	99	98	97	96	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97
180	1	0	0	0	99	98	97	96	0	0	0	0	100	98	98	97	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
220	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	13	2	0	0	87	69	55	44	31	6	1	0	69	42	26	17	45	15	4	1	55	25	11	6	55	24	10	5	45	15	5	2
100	6	0	0	0	94	86	77	69	15	2	0	0	85	66	51	39	27	4	0	0	73	45	27	16	32	7	1	0	68	39	23	14
140	2	0	0	0	98	94	90	86	7	0	0	0	93	81	71	63	17	2	0	0	83	63	47	34	19	2	0	0	81	60	43	34
180	1	0	0	0	99	96	94	91	4	0	0	0	96	89	82	76	12	1	0	0	88	74	59	47	12	1	0	0	88	73	61	52
220	0	0	0	0	100	98	97	96	2	0	0	0	98	94	90	86	10	0	0	0	90	77	65	53	8	1	0	0	92	82	73	68

TABLE A- 16. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	71	45	31	23	29	8	3	2	73	44	28	19	27	5	1	0	75	51	36	26	25	6	1	0	74	47	30	20	26	4	2	1
100	53	25	13	7	47	18	9	5	56	23	11	6	44	15	5	2	60	30	15	7	40	13	5	1	57	24	10	4	43	14	6	3
140	41	13	5	2	59	28	17	11	43	14	4	1	57	27	13	7	46	17	5	1	54	26	13	8	42	11	2	1	58	25	12	7
180	32	8	2	0	68	40	26	16	31	7	1	0	69	40	24	17	34	7	1	0	66	36	21	11	33	7	1	0	67	37	22	14
220	24	5	1	0	76	52	37	26	24	4	1	0	76	51	35	25	26	3	0	0	74	46	29	16	26	4	1	0	74	46	31	22

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	65	33	17	10	35	9	2	0	54	25	13	7	46	19	11	6	37	9	1	0	63	33	20	14	37	10	4	2	63	32	16	9
100	44	14	5	2	56	25	12	6	30	6	2	0	70	43	31	22	19	2	0	0	81	60	49	41	17	2	0	0	83	62	46	35
140	29	6	2	1	71	43	27	18	18	2	0	0	82	60	48	39	9	1	0	0	91	79	70	63	8	0	0	0	92	79	67	57
180	21	3	0	0	79	56	42	33	12	1	0	0	88	73	61	52	5	0	0	0	95	88	83	77	4	0	0	0	96	87	80	73
220	14	1	0	0	86	69	58	50	7	0	0	0	93	83	75	68	2	0	0	0	98	94	90	87	2	0	0	0	98	94	91	88

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	49	18	8	4	51	19	9	4	59	29	13	7	41	15	8	5	70	38	21	11	30	6	2	0	71	42	24	14	29	5	1	0
100	27	5	2	1	73	43	26	16	39	10	3	1	61	30	17	11	51	18	6	2	49	18	6	2	54	21	7	3	46	16	6	3
140	16	1	0	0	84	63	48	38	26	4	0	0	74	47	31	21	37	9	2	1	63	31	15	8	38	8	2	0	62	32	17	10
180	10	0	0	0	90	74	61	52	18	2	0	0	82	60	46	35	28	4	0	0	72	44	27	16	28	3	0	0	72	43	27	19
220	6	0	0	0	94	85	76	68	11	1	0	0	89	73	61	50	22	2	0	0	78	53	36	23	19	2	0	0	81	58	42	

TABLE A- 17. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY			FEBRUARY			MARCH			APRIL		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 22 2 1 0	: 27 4 1 0	: 39 8 2 1	: 10 0 0 0	: 46 14 4 1	: 4 0 0 0	: 55 21 8 3	: 0 0 0 0				
50/120	: 8 0 0 0	: 35 8 2 1	: 18 1 0 0	: 15 0 0 0	: 21 2 0 0	: 6 0 0 0	: 30 5 1 0	: 1 0 0 0				
50/180	: 3 0 0 0	: 38 9 2 1	: 9 0 0 0	: 16 0 0 0	: 12 0 0 0	: 6 0 0 0	: 17 1 0 0	: 1 0 0 0				
150/ 60	: 0 0 0 0	: 64 32 18 10	: 9 1 0 0	: 43 13 5 3	: 25 3 1 0	: 26 5 2 1	: 34 6 2 0	: 14 2 0 0				
150/120	: 0 0 0 0	: 87 68 54 43	: 5 0 0 0	: 65 35 19 11	: 11 0 0 0	: 40 10 3 1	: 18 1 0 0	: 23 3 1 0				
150/180	: 0 0 0 0	: 94 83 73 64	: 3 0 0 0	: 73 46 29 20	: 5 0 0 0	: 44 12 4 2	: 11 0 0 0	: 29 4 1 0				
250/ 60	: 0 0 0 0	: 64 32 18 10	: 0 0 0 0	: 53 19 8 4	: 0 0 0 0	: 49 17 7 3	: 16 1 0 0	: 27 5 1 0				
250/120	: 0 0 0 0	: 87 68 54 43	: 0 0 0 0	: 79 53 35 23	: 0 0 0 0	: 77 46 28 16	: 7 0 0 0	: 43 12 3 1				
250/180	: 0 0 0 0	: 94 83 73 64	: 0 0 0 0	: 89 74 60 49	: 0 0 0 0	: 86 62 44 31	: 4 0 0 0	: 53 20 7 3				

THRESHOLD	MAY			JUNE			JULY			AUGUST		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 48 18 7 3	: 0 0 0 0	: 40 11 4 1	: 0 0 0 0	: 26 3 0 0	: 0 0 0 0	: 23 2 0 0	: 0 0 0 0				
50/120	: 22 2 0 0	: 0 0 0 0	: 15 1 0 0	: 0 0 0 0	: 7 0 0 0	: 0 0 0 0	: 4 0 0 0	: 0 0 0 0				
50/180	: 10 0 0 0	: 0 0 0 0	: 5 0 0 0	: 0 0 0 0	: 1 0 0 0	: 0 0 0 0	: 1 0 0 0	: 0 0 0 0				
150/ 60	: 37 9 3 1	: 13 1 0 0	: 35 8 2 0	: 6 0 0 0	: 23 2 0 0	: 8 0 0 0	: 20 1 0 0	: 10 0 0 0				
150/120	: 17 1 0 0	: 18 2 0 0	: 13 0 0 0	: 9 0 0 0	: 6 0 0 0	: 11 1 0 0	: 4 0 0 0	: 13 0 0 0				
150/180	: 7 0 0 0	: 21 2 0 0	: 5 0 0 0	: 11 1 0 0	: 1 0 0 0	: 11 1 0 0	: 1 0 0 0	: 14 0 0 0				
250/ 60	: 24 3 0 0	: 23 5 1 1	: 25 3 1 0	: 19 2 0 0	: 15 2 0 0	: 25 3 0 0	: 9 0 0 0	: 40 9 2 0				
250/120	: 10 0 0 0	: 36 10 3 1	: 9 0 0 0	: 29 5 0 0	: 4 0 0 0	: 34 7 2 1	: 1 0 0 0	: 51 17 6 2				
250/180	: 4 0 0 0	: 42 14 5 1	: 4 0 0 0	: 32 6 1 0	: 1 0 0 0	: 35 7 2 1	: 0 0 0 0	: 53 19 7 3				

THRESHOLD	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 28 3 1 1	: 1 0 0 0	: 30 6 2 1	: 5 0 0 0	: 24 1 0 0	: 20 2 0 0	: 13 0 0 0	: 35 9 4 1				
50/120	: 7 0 0 0	: 1 0 0 0	: 9 0 0 0	: 7 0 0 0	: 9 0 0 0	: 28 5 1 0	: 4 0 0 0	: 49 17 7 3				
50/180	: 2 0 0 0	: 1 0 0 0	: 4 0 0 0	: 8 0 0 0	: 3 0 0 0	: 31 5 1 0	: 1 0 0 0	: 52 19 8 3				
150/ 60	: 19 1 0 0	: 20 3 1 0	: 11 2 0 0	: 41 15 7 5	: 0 0 0 0	: 61 27 13 6	: 0 0 0 0	: 67 34 19 12				
150/120	: 5 0 0 0	: 27 5 1 0	: 3 0 0 0	: 56 31 19 13	: 0 0 0 0	: 84 63 47 35	: 0 0 0 0	: 90 74 62 54				
150/180	: 1 0 0 0	: 29 5 1 0	: 1 0 0 0	: 59 39 29 24	: 0 0 0 0	: 93 83 73 63	: 0 0 0 0	: 96 88 82 77				
250/ 60	: 1 0 0 0	: 69 38 22 14	: 0 0 0 0	: 67 36 22 15	: 0 0 0 0	: 61 27 13 6	: 0 0 0 0	: 67 34 19 12				
250/120	: 0 0 0 0	: 89 75 64 56	: 0 0 0 0	: 90 74 62 52	: 0 0 0 0	: 84 63 47 35	: 0 0 0 0	: 90 74 62 54				
250/180	: 0 0 0 0	: 94 87 81 77	: 0 0 0 0	: 96 88 80 73	: 0 0 0 0	: 93 83 73 63	: 0 0 0 0	: 96 88 82 77				

TABLE A- 18. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CHICAGO, ILLINOIS

THRESHOLD	JANUARY			FEBRUARY			MARCH			APRIL		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 43 13 5 2	: 12 0 0 0	: 59 25 12 6	: 4 0 0 0	: 69 40 25 16	: 1 0 0 0	: 73 45 29 19	: 0 0 0 0				
50/120	: 28 5 2 1	: 22 3 1 0	: 40 12 4 2	: 9 0 0 0	: 46 16 5 1	: 3 0 0 0	: 48 15 5 1	: 0 0 0 0				
50/180	: 19 3 0 0	: 28 5 1 0	: 26 4 0 0	: 13 0 0 0	: 30 5 0 0	: 4 0 0 0	: 32 6 1 0	: 1 0 0 0				
150/ 60	: 0 0 0 0	: 29 8 3 2	: 13 2 0 0	: 20 4 1 0	: 34 6 1 0	: 11 2 0 0	: 45 14 5 1	: 7 1 0 0				
150/120	: 0 0 0 0	: 53 22 12 7	: 9 2 0 0	: 41 13 5 3	: 23 3 1 0	: 24 5 2 1	: 29 4 1 0	: 15 1 0 0				
150/180	: 0 0 0 0	: 68 40 26 16	: 7 0 0 0	: 57 26 14 8	: 14 0 0 0	: 32 8 3 1	: 19 1 0 0	: 22 3 1 0				
250/ 60	: 0 0 0 0	: 29 8 3 2	: 0 0 0 0	: 27 5 1 0	: 0 0 0 0	: 24 5 1 0	: 21 2 1 0	: 14 1 0 0				
250/120	: 0 0 0 0	: 53 22 12 7	: 0 0 0 0	: 51 20 9 4	: 0 0 0 0	: 49 20 8 4	: 12 0 0 0	: 30 6 1 0				
250/180	: 0 0 0 0	: 68 40 26 16	: 0 0 0 0	: 69 40 24 17	: 0 0 0 0	: 66 35 19 9	: 7 0 0 0	: 41 12 3 1				

THRESHOLD	MAY			JUNE			JULY			AUGUST		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 65 33 17 10	: 0 0 0 0	: 54 25 13 7	: 0 0 0 0	: 37 9 1 0	: 0 0 0 0	: 37 10 4 2	: 0 0 0 0				
50/120	: 36 9 2 1	: 0 0 0 0	: 24 3 1 0	: 0 0 0 0	: 13 1 0 0	: 0 0 0 0	: 11 0 0 0	: 0 0 0 0				
50/180	: 21 3 0 0	: 0 0 0 0	: 12 1 0 0	: 0 0 0 0	: 5 0 0 0	: 0 0 0 0	: 4 0 0 0	: 0 0 0 0				
150/ 60	: 49 16 6 3	: 8 1 0 0	: 47 18 7 3	: 4 0 0 0	: 32 6 1 0	: 6 0 0 0	: 31 5 2 0	: 8 0 0 0				
150/120	: 27 4 1 0	: 14 1 0 0	: 20 2 0 0	: 8 0 0 0	: 12 1 0 0	: 9 0 0 0	: 9 0 0 0	: 12 0 0 0				
150/180	: 16 1 0 0	: 18 2 0 0	: 10 0 0 0	: 9 0 0 0	: 4 0 0 0	: 10 1 0 0	: 4 0 0 0	: 13 0 0 0				
250/ 60	: 33 7 1 0	: 16 3 1 0	: 34 6 1 0	: 14 1 0 0	: 21 2 0 0	: 20 3 0 0	: 16 1 0 0	: 32 6 1 0				
250/120	: 17 2 0 0	: 28 6 2 1	: 14 1 0 0	: 24 3 0 0	: 8 1 0 0	: 31 5 2 1	: 3 0 0 0	: 46 14 4 1				
250/180	: 10 0 0 0	: 36 10 3 1	: 7 0 0 0	: 30 4 0 0	: 3 0 0 0	: 34 7 2 1	: 1 0 0 0	: 51 16 6 2				

THRESHOLD	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS	.GE. THRESH	.LT. THRESH	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
50/ 60	: 48 17 7 4	: 0 0 0 0	: 53 21 8 4	: 2 0 0 0	: 44 12 3 1	: 9 0 0 0	: 32 7 1 0	: 16 2 1 0				
50/120	: 20 2 0 0	: 1 0 0 0	: 29 5 1 0	: 5 0 0 0	: 24 2 0 0	: 17 2 0 0	: 19 2 0 0	: 29 7 2 0				
50/180	: 9 0 0 0	: 1 0 0 0	: 16 1 0 0	: 6 0 0 0	: 15 0 0 0	: 22 3 0 0	: 11 1 0 0	: 38 10 4 1				
150/ 60	: 32 6 1 0	: 13 1 0 0	: 18 3 1 1	: 22 5 2 1	: 0 0 0 0	: 30 6 2 0	: 0 0 0 0	: 29 5 1 0				
150/120	: 12 0 0 0	: 22 3 1 0	: 10 1 0 0	: 41 15 7 4	: 0 0 0 0	: 58 26 12 6	: 0 0 0 0	: 55 24 11 5				
150/180	: 5 0 0 0	: 26 4 1 0	: 5 0 0 0	: 49 23 12 8	: 0 0 0 0	: 72 44 27 16	: 0 0 0 0	: 72 43 27 19				
250/ 60	: 1 0 0 0	: 49 18 9 4	: 0 0 0 0	: 41 15 8 5	: 0 0 0 0	: 30 6 2 0	: 0 0 0 0	: 29 5 1 0				
250/120	: 0 0 0 0	: 77 50 34 25	: 0 0 0 0	: 68 39 24 16	: 0 0 0 0	: 58 26 12 6	: 0 0 0 0	: 55 24 11 5				
250/180	: 0 0 0 0	: 87 70 57 48	: 0 0 0 0	: 82 60 46 35	: 0 0 0 0	: 72 44 27 16	: 0 0 0 0	: 72 43 27 19				

TABLE A- 19. PROBABILITY(X), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	59	35	13	3	53	28	9	2	72	54	30	17	32	13	3	0	87	76	59	46	15	3	0	0	97	95	91	87	3	0	0	0
120	16	8	4	3	98	96	91	85	49	25	10	4	65	42	19	7	65	43	18	7	50	23	3	1	77	60	36	23	32	8	1	0
180	0	0	0	0	100	100	100	100	14	7	0	0	96	93	85	77	44	19	5	2	66	43	19	8	64	42	20	11	53	28	7	3
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	8	3	1	0	97	93	87	79	49	22	10	5	68	47	20	8
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	20	8	5	4	96	93	84	76
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	99	97	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0
120	85	74	57	45	20	6	0	0	95	91	82	73	7	2	0	0	94	89	78	68	14	1	0	0	92	84	69	56	11	1	0	0
180	73	55	32	19	42	19	3	0	87	76	59	47	23	5	0	0	85	71	47	31	27	7	0	0	80	63	38	23	23	5	0	0
240	64	45	20	10	58	35	13	4	74	54	30	18	36	15	1	0	69	47	20	8	37	15	3	0	57	31	11	4	52	26	8	3
300	44	22	7	2	73	35	31	19	56	34	12	5	62	38	15	6	46	24	5	0	72	53	31	22	6	0	0	0	98	97	97	96
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	97	93	87	80	2	0	0	0	86	75	54	41	25	11	2	0	64	41	16	6	49	26	7	2	46	17	2	0	64	43	19	8
120	81	67	45	30	30	11	0	0	69	50	26	14	58	37	15	9	24	7	1	0	95	91	87	86	0	0	0	0	100	100	100	100
180	66	44	18	7	56	32	10	6	29	5	0	0	97	95	94	93	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	29	9	1	0	94	88	77	65	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 20. PROBABILITY(X), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	43	22	5	1	65	46	25	13	48	24	7	2	53	30	11	5	56	32	12	4	54	31	12	5	59	36	12	4	49	27	9	3
100	24	7	1	0	82	69	50	36	32	11	1	0	73	55	30	18	32	13	1	0	71	53	28	14	42	16	2	1	66	45	22	12
140	16	4	0	0	90	81	66	54	19	6	0	0	82	68	47	32	19	5	1	0	82	67	45	30	27	8	1	0	77	59	36	25
180	13	2	0	0	94	88	77	67	15	3	0	0	90	81	65	53	10	1	0	0	86	73	53	38	19	4	0	0	83	68	50	39
220	4	1	0	0	96	91	84	76	4	0	0	0	94	88	76	66	4	1	0	0	90	79	62	48	15	1	0	0	88	77	62	51
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	58	35	13	5	62	39	16	5	47	22	7	2	65	46	25	16	29	9	1	0	76	59	40	28	26	5	0	0	79	62	37	22
100	33	12	2	0	76	57	36	23	23	5	0	0	82	70	53	40	16	2	0	0	90	83	72	63	9	0	0	0	93	86	73	63
140	24	5	0	0	85	73	55	44	16	3	0	0	91	82	69	57	5	0	0	0	96	92	85	79	4	0	0	0	97	94	88	83
180	17	2	0	0	92	86	74	65	9	1	0	0	95	91	82	75	0	0	0	0	99	97	94	91	2	0	0	0	99	98	96	93
220	10	0	0	0	95	91	83	76	7	1	0	0	97	94	89	84	0	0	0	0	99	98	96	94	2	0	0	0	100	99	99	98
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	32	9	3	2	72	53	30	18	38	15	4	1	69	50	28	19	44	16	2	0	63	41	19	8	39	13	2	0	68	49	26	16
100	13	1	0	0	87	77	60	48	21	4	0	0	86	75	57	46	31	7	0	0	80	65	44	29	18	3	0	0	85	73	54	44
140	5	0	0	0	95	89	79	70	12	0	0	0	92	85	73	63	22	8	0	0	89	81	64	51	8	1	0	0	94	87	76	68
180	0	0	0	0	97	94	89	84	4	0	0	0	96	91	83	75	8	1	0	0	94	88	78	67	2	0	0	0	96	92	85	79
220	0	0	0	0	98	97	94	91	2	0	0	0	98	95	91	86	6	1	0	0	96	92	84	76	1	0	0	0	98	95	91	88

TABLE A- 21. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	66	45	22	11	57	35	18	10	61	36	12	6	64	44	21	11	64	40	12	3	61	40	18	8	47	18	3	0	71	51	30	19
100	48	20	5	1	72	54	33	19	43	17	3	0	77	61	39	27	47	16	2	0	75	58	33	18	32	6	0	0	84	71	55	44
140	37	12	2	0	82	68	49	33	28	6	1	0	85	73	55	44	32	7	0	0	85	73	57	38	19	3	0	0	91	83	71	61
180	26	6	0	0	88	78	63	50	17	3	0	0	90	81	67	56	20	5	0	0	90	81	67	55	9	0	0	0	94	89	81	73
220	16	3	0	0	93	86	75	64	10	1	0	0	94	89	79	70	15	3	0	0	93	86	74	64	4	0	0	0	97	93	88	83

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	36	12	1	0	87	76	61	50	14	1	0	0	95	90	82	76	7	0	0	0	97	93	88	83	5	0	0	0	96	91	82	74
100	21	5	0	0	94	89	79	70	5	0	0	0	99	98	95	93	0	0	0	0	99	99	97	95	0	0	0	0	99	98	97	95
140	9	1	0	0	97	95	90	85	2	0	0	0	99	99	97	96	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97
180	2	0	0	0	100	99	98	96	0	0	0	0	99	99	98	97	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
220	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	22	7	0	0	88	78	61	48	43	18	3	0	74	57	35	22	59	30	7	3	65	42	18	9	63	40	15	7	54	28	8	3
100	14	2	0	0	95	91	81	72	25	9	0	0	87	76	58	44	41	15	1	0	78	61	36	20	44	16	3	0	74	55	31	18
140	7	1	0	0	98	96	92	88	12	1	0	0	93	87	75	66	35	9	0	0	86	74	55	39	29	8	1	0	85	72	50	39
180	0	0	0	0	99	97	95	92	10	0	0	0	96	92	85	78	27	6	0	0	91	83	66	52	20	3	0	0	90	81	67	57
220	0	0	0	0	99	99	97	96	1	0	0	0	98	96	92	87	25	3	0	0	92	85	71	58	15	3	0	0	94	88	78	72

TABLE A- 22. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	76	60	40	28	35	18	6	3	76	57	35	23	32	12	2	0	80	64	43	30	32	15	3	1	77	60	36	24	31	11	4	1
100	62	41	19	10	52	31	15	7	60	36	16	9	51	28	8	3	67	46	22	10	50	27	10	3	63	39	15	5	52	20	11	5
140	52	30	10	3	63	42	23	14	49	26	7	2	61	41	18	9	58	32	10	1	64	42	19	11	48	21	5	1	63	40	18	9
180	43	19	4	1	73	56	35	21	37	17	2	0	70	53	30	20	45	18	2	0	70	50	27	14	39	16	2	0	72	52	30	18
220	34	13	3	1	80	65	45	30	32	10	1	0	79	64	41	29	31	9	0	0	76	59	36	20	32	10	1	0	77	60	38	26

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	69	48	24	13	45	22	5	1	62	40	18	10	58	34	17	9	42	18	2	1	66	45	26	17	43	20	7	3	65	47	22	11
100	53	28	9	3	66	43	20	9	36	14	3	1	74	57	39	27	24	5	1	0	83	71	56	47	24	5	0	0	86	73	52	39
140	37	15	4	2	77	59	36	23	25	5	1	0	83	71	54	44	17	3	0	0	93	86	76	67	9	0	0	0	93	85	71	59
180	30	9	1	0	83	69	51	39	18	2	0	0	90	81	67	57	9	0	0	0	96	92	86	80	6	0	0	0	96	91	82	75
220	24	7	0	0	89	79	65	56	8	1	0	0	94	89	79	71	0	0	0	0	98	96	92	88	1	0	0	0	98	96	93	89

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	54	29	12	6	57	34	14	5	68	45	19	9	51	30	14	8	75	54	28	15	40	18	4	0	76	57	32	18	36	13	3	1
100	31	11	4	2	74	56	32	19	46	21	6	1	65	45	23	15	59	33	11	4	58	33	11	4	61	37	11	5	52	31	11	5
140	20	5	0	0	85	72	54	42	33	10	0	0	76	60	38	25	48	21	3	1	62	46	22	10	48	20	4	1	67	47	24	13
180	12	2	0	0	90	82	66	55	29	7	0	0	84	72	53	40	40	11	1	0	76	59	36	20	36	10	0	0	75	57	34	24
220	12	1	0	0	95	90	80	72	19	4	0	0	90	81	66	54	34	10	0	0	81	67	45	28	27	5	0	0	83	69	49	38

TABLE A- 23. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																			
50/ 60	:	22	6	2	1	:	34	13	3	0	:	42	18	4	1	:	9	1	0	0	:	51	27	8	2	:	2	1	0	0	:	58	34	12	4	:	0	0	0	0
50/120	:	15	1	0	0	:	44	20	5	1	:	19	5	0	0	:	15	2	1	0	:	21	6	1	0	:	2	1	0	0	:	35	13	2	0	:	0	0	0	0
50/180	:	5	0	0	0	:	46	21	5	1	:	15	3	0	0	:	16	2	1	0	:	9	1	0	0	:	5	1	0	0	:	19	4	0	0	:	1	0	0	0
150/ 60	:	0	0	0	0	:	65	46	25	13	:	20	9	0	0	:	47	25	9	4	:	33	9	2	0	:	37	15	3	1	:	34	12	3	1	:	22	7	0	0
150/120	:	0	0	0	0	:	87	76	60	47	:	8	2	0	0	:	70	51	27	15	:	9	0	0	0	:	50	25	6	2	:	17	3	0	0	:	30	9	2	0
150/180	:	0	0	0	0	:	94	88	77	67	:	6	0	0	0	:	77	61	38	25	:	5	0	0	0	:	51	26	7	3	:	12	1	0	0	:	34	12	2	0
250/ 60	:	0	0	0	0	:	65	46	25	13	:	0	0	0	0	:	53	30	11	5	:	0	0	0	0	:	53	30	10	5	:	21	5	1	0	:	35	13	1	1
250/120	:	0	0	0	0	:	87	76	60	47	:	0	0	0	0	:	80	64	42	27	:	0	0	0	0	:	76	59	34	19	:	8	0	0	0	:	49	24	5	1
250/180	:	0	0	0	0	:	94	88	77	67	:	0	0	0	0	:	90	81	65	53	:	0	0	0	0	:	85	71	50	35	:	1	0	0	0	:	56	33	11	3

		MAY				JUNE				JULY				AUGUST																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																			
50/ 60	:	58	35	13	5	:	0	0	0	0	:	47	22	7	2	:	0	0	0	0	:	29	9	1	0	:	0	0	0	0	:	26	5	0	0	:	0	0	0	0
50/120	:	26	6	0	0	:	0	0	0	0	:	18	4	0	0	:	0	0	0	0	:	13	1	0	0	:	0	0	0	0	:	4	0	0	0	:	0	0	0	0
50/180	:	17	2	0	0	:	0	0	0	0	:	9	1	0	0	:	0	0	0	0	:	0	0	0	0	:	0	0	0	0	:	0	0	0	0	:	0	0	0	0
150/ 60	:	44	20	6	2	:	22	5	0	0	:	43	17	4	0	:	6	2	0	0	:	25	8	0	0	:	15	1	0	0	:	20	4	0	0	:	16	1	0	0
150/120	:	22	3	0	0	:	26	7	1	0	:	15	2	0	0	:	12	2	0	0	:	12	1	0	0	:	21	3	0	0	:	3	0	0	0	:	15	2	0	0
150/180	:	9	0	0	0	:	32	9	1	0	:	5	1	0	0	:	15	3	0	0	:	0	0	0	0	:	21	3	0	0	:	0	0	0	0	:	15	2	0	0
250/ 60	:	31	12	0	0	:	42	16	4	1	:	32	9	2	0	:	23	9	0	0	:	19	6	0	0	:	30	8	1	0	:	11	0	0	0	:	48	21	3	0
250/120	:	13	1	0	0	:	50	25	7	2	:	12	1	0	0	:	34	14	1	0	:	9	1	0	0	:	41	16	4	1	:	0	0	0	0	:	57	31	10	4
250/180	:	3	0	0	0	:	55	31	11	2	:	5	1	0	0	:	37	15	2	1	:	0	0	0	0	:	42	17	4	1	:	0	0	0	0	:	59	32	12	5

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																			
50/ 60	:	31	8	2	2	:	0	0	0	0	:	36	14	4	2	:	12	4	0	0	:	26	5	0	0	:	23	7	1	0	:	15	2	0	0	:	42	21	7	2
50/120	:	9	1	0	0	:	0	0	0	0	:	14	2	0	0	:	17	4	1	0	:	13	1	0	0	:	36	14	1	0	:	1	0	0	0	:	55	31	12	5
50/180	:	0	0	0	0	:	0	0	0	0	:	4	0	0	0	:	18	4	1	0	:	2	0	0	0	:	37	14	2	0	:	0	0	0	0	:	58	33	13	6
150/ 60	:	23	5	0	0	:	28	9	2	0	:	16	6	0	0	:	55	34	16	10	:	0	0	0	0	:	63	41	19	8	:	0	0	0	0	:	68	49	26	16
150/120	:	4	0	0	0	:	37	14	3	1	:	4	0	0	0	:	73	53	34	23	:	0	0	0	0	:	86	74	55	40	:	0	0	0	0	:	90	82	67	58
150/180	:	0	0	0	0	:	40	17	3	1	:	0	0	0	0	:	77	65	49	41	:	0	0	0	0	:	94	88	78	67	:	0	0	0	0	:	96	92	85	79
250/ 60	:	0	0	0	0	:	71	52	29	18	:	0	0	0	0	:	69	50	28	19	:	0	0	0	0	:	63	41	19	8	:	0	0	0	0	:	68	49	26	16
250/120	:	0	0	0	0	:	91	83	70	61	:	0	0	0	0	:	91	82	68	56	:	0	0	0	0	:	86	74	55	40	:	0	0	0	0	:	90	82	67	58
250/180	:	0	0	0	0	:	96	92	86	81	:	0	0	0	0	:	96	91	83	75	:	0	0	0	0	:	94	88	78	67	:	0	0	0	0	:	96	92	85	79

TABLE A- 24. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CHICAGO, ILLINOIS

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																			
50/ 60	:	52	27	9	3	:	9	0	0	0	:	62	38	17	9	:	5	0	0	0	:	73	55	32	19	:	0	0	0	0	:	75	56	35	23	:	0	0	0	0
50/120	:	35	13	4	1	:	28	9	2	0	:	45	23	7	3	:	10	1	0	0	:	55	32	8	2	:	2	1	0	0	:	53	27	7	2	:	0	0	0	0
50/180	:	26	9	1	0	:	36	14	3	1	:	30	13	0	0	:	14	3	1	0	:	38	13	0	0	:	2	1	0	0	:	38	16	2	0	:	0	0	0	0
150/ 60	:	0	0	0	0	:	35	18	6	3	:	33	14	0	0	:	27	10	2	0	:	43	16	2	0	:	17	6	1	0	:	49	27	9	2	:	6	3	0	0
150/120	:	0	0	0	0	:	58	36	17	10	:	23	10	0	0	:	49	27	9	5	:	33	9	1	0	:	39	15	4	1	:	29	9	1	0	:	21	5	0	0
150/180	:	0	0	0	0	:	73	56	35	21	:	12	2	0	0	:	61	41	19	11	:	17	2	0	0	:	46	21	6	1	:	18	4	0	0	:	30	10	2	0
250/ 60	:	0	0	0	0	:	35	18	6	3	:	0	0	0	0	:	32	12	2	0	:	0	0	0	0	:	32	13	3	1	:	27	8	2	0	:	17	4	0	0
250/120	:	0	0	0	0	:	58	36	17	10	:	0	0	0	0	:	57	34	12	6	:	0	0	0	0	:	58	35	13	6	:	12	1	0	0	:	38	15	1	0
250/180	:	0	0	0	0	:	73	56	35	21	:	0	0	0	0	:	70	53	30	20	:	0	0	0	0	:	69	49	25	12	:	4	0	0	0	:	50	24	5	1

		MAY				JUNE				JULY				AUGUST							
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS					
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	:	69	48	24	13	:	0	0	0	0	:	62									

TABLE A- 25. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	34	4	0	0	66	28	11	5	56	22	9	4	44	11	3	1	79	55	41	30	21	2	0	0	95	86	79	74	5	0	0	0
120	0	0	0	0	100	100	98	95	20	3	0	0	80	52	34	22	45	11	3	1	55	18	5	1	70	40	22	12	30	4	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	98	24	3	0	0	76	47	29	18	48	16	6	3	52	16	4	2
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	1	0	0	0	99	97	95	91	29	5	1	1	71	38	20	10
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	98	95	91

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	99	96	93	90	1	0	0	0	100	99	99	98	0	0	0	0	100	99	98	98	0	0	0	0	99	98	96	95	1	0	0	0
120	83	61	47	36	17	1	0	0	92	81	72	64	8	0	0	0	93	80	68	58	7	0	0	0	87	68	53	43	13	0	0	0
180	67	35	19	10	33	7	2	0	76	51	33	22	24	3	0	0	80	54	36	23	20	1	0	0	70	38	21	11	30	4	1	0
240	48	16	6	2	52	19	7	2	59	28	15	7	41	11	2	0	58	23	9	3	42	10	2	1	43	12	5	2	57	27	14	9
300	19	2	0	0	61	58	40	27	31	7	1	0	69	40	22	12	16	2	0	0	84	68	58	54	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	94	84	75	65	6	0	0	0	82	58	41	30	18	2	0	0	43	15	6	2	57	26	11	4	23	2	0	0	77	51	35	24
120	73	44	27	16	27	5	1	0	52	22	11	5	48	21	12	8	1	0	0	0	99	97	96	96	0	0	0	0	100	100	100	100
180	48	17	6	2	52	21	11	7	6	1	0	0	94	89	88	87	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	2	0	0	0	98	95	94	94	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 26. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	48	15	5	1	52	18	7	3	47	16	5	2	53	21	9	4	52	17	5	1	48	15	5	2	56	21	8	4	44	14	4	2
100	30	4	0	0	70	40	24	14	29	5	1	0	71	42	26	17	35	5	1	0	65	32	16	8	37	8	2	0	63	21	16	9
140	19	1	0	0	81	58	42	32	17	2	0	0	83	61	46	36	23	1	0	0	77	48	29	18	25	3	0	0	75	46	30	20
180	12	0	0	0	88	69	55	45	10	0	0	0	90	75	63	53	17	1	0	0	83	58	42	31	17	1	0	0	83	61	45	35
220	7	0	0	0	93	81	70	61	6	0	0	0	94	83	73	64	11	0	0	0	89	71	57	46	11	0	0	0	89	72	60	52

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	46	14	4	1	54	21	9	4	36	8	1	0	64	31	16	8	26	2	0	0	74	44	27	16	21	1	0	0	79	51	33	21
100	26	4	0	0	74	48	32	23	16	2	0	0	84	64	48	38	11	0	0	0	89	73	60	50	8	0	0	0	92	80	69	60
140	16	1	0	0	84	62	47	38	9	0	0	0	91	77	65	56	4	0	0	0	96	88	81	75	3	0	0	0	97	91	86	81
180	9	0	0	0	91	77	67	58	5	0	0	0	95	87	79	71	1	0	0	0	99	96	94	92	1	0	0	0	99	97	95	93
220	6	0	0	0	94	85	77	71	2	0	0	0	98	94	90	86	0	0	0	0	100	100	99	99	0	0	0	0	100	98	97	96

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	25	3	0	0	75	47	29	16	32	6	1	0	68	37	22	14	42	11	2	0	58	23	11	6	43	11	3	1	57	23	9	4
100	9	0	0	0	91	78	65	54	17	1	0	0	83	60	44	33	24	3	0	0	76	49	31	21	24	3	0	0	76	48	30	21
140	3	0	0	0	97	91	86	81	6	0	0	0	94	82	72	63	12	1	0	0	88	71	58	46	13	1	0	0	87	67	52	40
180	1	0	0	0	99	96	94	91	3	0	0	0	97	91	85	79	7	1	0	0	93	83	75	66	7	0	0	0	93	81	69	59
220	0	0	0	0	100	99	99	98	1	0	0	0	99	95	92	89	5	0	0	0	95	88	81	74	4	0	0	0	96	89	82	75

TABLE A- 27. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	58	24	10	4	42	11	3	1	56	28	14	7	44	18	7	4	46	15	5	2	54	24	10	4	30	6	1	0	70	44	30	21
100	37	10	3	1	63	32	16	9	38	13	3	1	62	34	20	12	27	5	0	0	73	46	29	20	15	1	0	0	85	69	57	48
140	24	3	1	0	76	48	30	19	23	3	0	0	77	51	36	26	18	2	0	0	82	62	48	38	8	0	0	0	92	82	74	69
180	16	1	0	0	84	64	48	34	14	0	0	0	86	67	52	42	11	0	0	0	89	73	62	54	5	0	0	0	95	89	84	80
220	10	0	0	0	90	75	62	52	9	0	0	0	91	77	65	55	7	0	0	0	93	82	73	66	2	0	0	0	98	93	90	87
	MAY				JUNE				JULY				AUGUST																			
60	10	1	0	0	90	79	71	65	4	0	0	0	96	89	83	76	2	0	0	0	98	93	89	86	1	0	0	0	99	96	93	90
100	4	0	0	0	96	91	88	85	1	0	0	0	99	98	96	95	0	0	0	0	100	98	97	96	0	0	0	0	100	99	99	98
140	1	0	0	0	99	97	95	93	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99
180	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99
220	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	10	0	0	0	90	75	61	49	24	4	1	1	76	49	32	22	47	17	5	2	53	23	11	6	58	28	13	6	42	13	4	1
100	4	0	0	0	96	88	81	74	9	0	0	0	91	75	62	50	29	6	1	0	71	43	26	17	37	10	3	1	63	32	16	8
140	1	0	0	0	99	96	93	90	3	0	0	0	97	91	85	78	19	2	0	0	81	57	38	26	24	3	1	0	76	52	35	26
180	0	0	0	0	100	99	98	97	1	0	0	0	99	95	92	88	12	1	0	0	88	72	58	45	16	2	0	0	84	65	51	41
220	0	0	0	0	100	100	99	99	1	0	0	0	99	97	94	91	8	1	0	0	92	79	68	58	11	1	0	0	89	74	63	54

TABLE A- 28. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	77	51	34	23	23	3	1	0	72	46	29	19	28	8	3	1	73	45	27	17	27	5	2	0	72	42	25	16	28	6	1	0
100	61	28	13	7	39	9	2	1	58	29	14	8	42	14	6	3	57	23	9	3	43	13	4	1	52	19	7	3	48	18	8	4
140	48	16	6	2	52	19	7	2	48	20	7	3	52	23	11	5	46	13	3	1	54	21	8	3	39	10	3	1	61	31	17	10
180	39	10	3	0	61	29	15	8	39	12	3	1	61	33	19	10	36	7	1	0	64	33	18	10	29	5	1	0	71	43	27	19
220	30	5	1	0	70	40	24	15	29	5	0	0	71	42	24	14	27	4	0	0	73	43	26	16	22	3	0	0	78	52	36	26
	MAY				JUNE				JULY				AUGUST																			
60	59	26	13	7	41	12	3	1	49	16	4	1	51	21	9	5	35	5	0	0	65	33	17	9	31	4	0	0	69	36	18	10
100	38	11	3	1	62	33	18	11	26	5	1	0	74	47	30	21	18	1	0	0	82	60	45	34	13	0	0	0	87	67	52	40
140	26	5	1	0	74	48	34	25	15	1	0	0	85	67	53	43	9	0	0	0	91	77	67	58	6	0	0	0	94	84	75	67
180	17	1	0	0	83	62	49	39	8	0	0	0	92	80	69	60	4	0	0	0	96	89	83	77	2	0	0	0	98	93	87	82
220	11	0	0	0	89	75	64	56	5	0	0	0	95	87	79	72	2	0	0	0	98	95	92	89	1	0	0	0	99	97	95	92
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	41	11	3	1	59	26	11	3	55	25	10	4	45	16	5	2	68	39	20	11	32	8	2	1	75	47	29	17	25	6	1	0
100	21	2	0	0	79	52	36	23	37	9	2	0	63	33	20	12	53	22	8	2	47	17	7	3	59	27	11	5	41	12	3	1
140	11	0	0	0	89	72	58	46	23	4	0	0	77	51	34	22	41	11	2	0	59	26	14	8	45	14	4	2	55	22	8	3
180	7	0	0	0	93	81	71	61	15	1	0	0	85	65	49	38	31	7	1	0	69	39	22	14	34	8	2	0	66	34	18	9
220	5	0	0	0	95	87	79	73	9	0	0	0	91	76	62	51	23	3	1	0	77	51	31	20	27	5	1	0	73	44	26	16

TABLE A- 29. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	18	2	0	0	30	6	2	0	30	5	1	0	43	10	2	0
50/120	9	0	0	0	45	13	4	2	14	1	0	0	23	1	0	0
50/180	5	0	0	0	53	17	6	2	6	0	0	0	13	0	0	0
150/60	0	0	0	0	52	18	7	3	2	0	0	0	15	1	0	0
150/120	0	0	0	0	77	50	34	24	1	0	0	0	8	0	0	0
150/180	0	0	0	0	68	69	55	45	1	0	0	0	5	0	0	0
250/60	0	0	0	0	52	18	7	3	0	0	0	0	0	0	0	0
250/120	0	0	0	0	77	50	34	24	0	0	0	0	0	0	0	0
250/180	0	0	0	0	68	69	55	45	0	0	0	0	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	46	14	4	1	0	0	0	0	36	8	1	0	26	2	0	0
50/120	21	2	0	0	0	0	0	0	12	0	0	0	8	0	0	0
50/180	9	0	0	0	0	0	0	0	5	0	0	0	1	0	0	0
150/60	34	6	1	0	13	1	0	0	30	4	1	0	23	2	0	0
150/120	16	1	0	0	20	2	0	0	10	0	0	0	7	0	0	0
150/180	7	0	0	0	22	3	0	0	4	0	0	0	1	0	0	0
250/60	19	1	0	0	27	5	0	0	17	1	0	0	11	0	0	0
250/120	7	0	0	0	41	11	3	0	5	0	0	0	3	0	0	0
250/180	4	0	0	0	50	17	6	2	2	0	0	0	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	24	2	0	0	2	0	0	0	30	4	0	0	20	2	0	0
50/120	5	0	0	0	3	0	0	0	9	0	0	0	8	0	0	0
50/180	1	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
150/60	14	0	0	0	26	5	1	0	8	0	0	0	0	0	0	0
150/120	3	0	0	0	35	8	2	1	2	0	0	0	0	0	0	0
150/180	1	0	0	0	37	9	3	1	0	0	0	0	0	0	0	0
250/60	0	0	0	0	75	47	29	16	0	0	0	0	0	0	0	0
250/120	0	0	0	0	95	86	77	70	0	0	0	0	0	0	0	0
250/180	0	0	0	0	99	96	94	91	0	0	0	0	0	0	0	0

TABLE A- 30. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	36	4	0	0	12	1	0	0	44	14	5	2	62	30	16	8
50/120	20	2	0	0	25	3	1	0	32	7	2	1	42	10	2	0
50/180	13	1	0	0	34	7	2	1	24	4	1	0	29	4	1	0
150/60	0	0	0	0	23	3	1	0	3	0	0	0	22	1	0	0
150/120	0	0	0	0	46	14	4	1	2	0	0	0	14	1	0	0
150/180	0	0	0	0	61	29	15	8	1	0	0	0	10	1	0	0
250/60	0	0	0	0	23	3	1	0	0	0	0	0	0	0	0	0
250/120	0	0	0	0	46	14	4	1	0	0	0	0	0	0	0	0
250/180	0	0	0	0	61	29	15	8	0	0	0	0	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	59	26	13	7	0	0	0	0	49	16	4	1	35	5	0	0
50/120	31	7	2	0	0	0	0	0	19	2	0	0	13	1	0	0
50/180	17	1	0	0	0	0	0	0	8	0	0	0	4	0	0	0
150/60	43	12	4	1	9	1	0	0	40	9	2	1	30	3	0	0
150/120	22	3	0	0	15	1	0	0	15	2	0	0	11	1	0	0
150/180	12	1	0	0	19	2	0	0	7	0	0	0	3	0	0	0
250/60	23	3	0	0	20	3	0	0	24	2	0	0	15	0	0	0
250/120	10	0	0	0	34	8	2	0	7	0	0	0	4	0	0	0
250/180	6	0	0	0	44	13	3	0	3	0	0	0	1	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	39	9	2	0	2	0	0	0	48	16	5	2	31	5	0	0
50/120	14	1	0	0	2	0	0	0	25	3	0	0	21	1	0	0
50/180	6	0	0	0	3	0	0	0	13	1	0	0	13	1	0	0
150/60	21	1	0	0	18	2	0	0	13	1	0	0	0	0	0	0
150/120	7	0	0	0	29	5	1	0	6	0	0	0	0	0	0	0
150/180	3	0	0	0	33	7	1	1	2	0	0	0	0	0	0	0
250/60	0	0	0	0	59	26	11	3	0	0	0	0	0	0	0	0
250/120	0	0	0	0	84	62	46	34	0	0	0	0	0	0	0	0
250/180	0	0	0	0	93	81	71	61	0	0	0	0	0	0	0	0

TABLE A- 31. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLD, FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	34	10	1	0	66	41	16	7	61	37	14	6	45	23	5	1	82	68	50	37	29	7	0	0	95	90	63	76	1	0	0	0
120	0	0	0	0	100	100	98	95	29	10	0	0	80	64	41	26	49	22	6	2	58	33	8	2	75	56	30	16	34	11	2	1
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	98	36	12	1	0	79	61	37	22	55	32	12	5	56	28	6	3
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	8	4	0	0	99	98	95	92	37	10	3	1	73	52	26	12
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	4	0	0	99	98	95	91

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	99	97	94	92	5	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98	0	0	0	0	99	98	97	95	0	0	0	0
120	85	73	54	41	21	5	1	0	93	87	76	67	11	2	1	0	93	86	73	61	5	1	0	0	88	77	60	47	17	2	0	0
180	72	51	27	14	40	18	4	0	82	66	43	27	36	11	1	0	81	66	44	27	21	5	0	0	72	53	29	15	38	12	3	1
240	55	31	10	4	60	37	13	4	67	45	23	11	51	25	4	1	60	37	14	5	45	22	4	1	51	25	8	3	68	45	24	15
300	25	7	1	0	64	70	48	32	43	19	3	0	76	58	32	17	24	9	1	0	88	79	68	62	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	94	89	78	68	8	1	0	0	84	71	49	35	32	10	1	0	54	32	13	4	67	45	19	7	30	0	0	0	79	65	44	30
120	77	59	36	21	38	16	3	1	64	40	17	8	65	43	23	15	2	1	0	0	99	99	98	98	0	0	0	0	100	100	100	100
180	56	33	12	4	61	38	19	12	21	6	0	0	97	95	94	93	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	6	1	0	0	98	98	96	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 32. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	52	30	9	3	56	32	12	5	54	32	9	4	59	36	14	5	58	32	0	2	54	29	9	3	61	35	12	5	48	28	8	4
100	35	12	3	1	73	55	31	18	39	13	2	0	74	55	34	21	40	13	1	0	67	46	21	10	43	19	3	0	66	46	24	13
140	25	5	0	0	83	70	51	37	23	8	0	0	85	72	54	42	23	3	0	0	77	60	35	21	28	9	0	0	77	59	37	24
180	12	2	0	0	89	78	62	50	8	1	0	0	91	82	68	57	17	2	0	0	82	69	49	35	16	3	0	0	84	71	52	40
220	8	1	0	0	93	86	75	64	6	1	0	0	94	88	77	67	12	1	0	0	89	80	63	51	10	0	0	0	89	80	66	56

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	51	26	6	2	58	36	14	7	46	20	3	0	69	47	22	11	28	8	0	0	77	58	35	20	24	4	0	0	80	64	40	25
100	37	11	1	0	78	63	41	25	26	7	0	0	86	74	55	43	16	3	0	0	93	82	67	55	10	1	0	0	93	86	74	64
140	23	5	0	0	86	74	55	44	11	0	0	0	92	85	71	60	3	0	0	0	96	91	84	78	0	0	0	0	97	94	88	82
180	15	1	0	0	92	84	73	63	3	0	0	0	96	91	83	74	2	0	0	0	99	97	95	93	0	0	0	0	99	98	96	94
220	10	1	0	0	94	90	82	75	3	0	0	0	98	96	92	88	0	0	0	0	100	100	99	99	0	0	0	0	99	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	29	10	1	0	78	61	37	20	37	15	2	0	70	51	30	18	48	23	5	0	60	36	16	8	47	21	6	2	60	36	12	5
100	14	2	1	0	92	84	70	58	20	3	0	0	84	71	51	37	30	12	1	0	78	63	39	26	26	7	0	0	78	60	37	25
140	6	0	0	0	97	94	89	83	9	0	0	0	94	87	76	66	18	6	0	0	89	80	64	51	14	3	0	0	87	76	57	44
180	3	0	0	0	99	98	95	92	3	0	0	0	97	94	87	81	20	7	0	0	94	89	79	70	6	0	0	0	93	86	74	63
220	0	0	0	0	100	99	99	98	0	0	0	0	99	97	93	90	11	2	0	0	96	92	85	77	0	0	0	0	96	92	84	77

TABLE A- 33. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
100	63	39	15	6	49	24	6	1	68	45	22	10	57	34	13	5	59	31	9	3
140	50	25	7	2	70	49	24	13	52	28	6	1	70	51	28	15	41	14	0	0
180	35	9	2	0	79	62	38	23	35	10	0	0	80	64	43	30	31	8	0	0
220	25	5	1	0	87	75	55	39	21	2	0	0	87	76	59	47	22	3	0	0
	13	2	0	0	91	83	68	56	15	1	0	0	92	84	70	59	12	1	0	0
	66	43	18	7	43	17	2	0	77	60	40	28	43	17	2	0	77	60	40	28
	27	6	0	0	89	80	65	55	27	6	0	0	89	80	65	55	27	6	0	0
	15	2	0	0	94	88	79	73	15	2	0	0	94	88	79	73	15	2	0	0
	10	1	0	0	96	93	87	83	10	1	0	0	96	93	87	83	10	1	0	0
	2	0	0	0	97	95	92	89	2	0	0	0	97	95	92	89	2	0	0	0
THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	23	5	1	0	93	87	78	71	9	0	0	0	96	93	86	79	5	0	0	0
100	8	1	0	0	97	95	91	87	2	0	0	0	99	99	97	96	0	0	0	0
140	0	0	0	0	99	98	96	94	2	0	0	0	100	99	99	98	0	0	0	0
180	0	0	0	0	100	99	98	96	0	0	0	0	100	99	99	98	0	0	0	0
220	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	22	1	0	0	92	83	67	53	36	13	3	1	79	63	40	26	61	34	9	4
100	3	0	0	0	96	92	84	76	13	2	0	0	91	82	67	54	47	17	2	1
140	1	0	0	0	99	97	94	91	4	0	0	0	97	94	87	80	29	6	1	0
180	0	0	0	0	100	99	98	96	4	0	0	0	99	97	93	89	26	4	1	0
220	0	0	0	0	100	100	99	99	4	0	0	0	99	98	95	92	19	3	1	0
	64	40	17	8	67	45	20	9	56	29	7	2	64	40	17	8	67	45	20	9
	45	21	6	1	69	47	22	11	45	21	6	1	69	47	22	11	45	21	6	1
	32	10	1	0	81	65	42	31	32	10	1	0	81	65	42	31	32	10	1	0
	29	6	0	0	87	76	58	46	29	6	0	0	87	76	58	46	29	6	0	0
	19	4	0	0	91	82	69	59	19	4	0	0	91	82	69	59	19	4	0	0

TABLE A- 34. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	80	64	42	27	27	9	2	0	78	61	38	23	41	21	6	2	78	60	36	22
100	66	43	19	10	45	20	5	1	67	44	20	11	51	28	10	4	64	39	15	5
140	56	31	16	4	53	33	12	4	58	36	11	4	61	38	16	7	53	26	6	1
180	47	23	6	1	67	46	22	11	52	26	5	2	69	50	26	14	44	17	3	0
220	40	14	3	1	74	55	32	20	37	11	1	0	74	55	31	17	33	11	0	0
	38	14	4	1	77	57	32	20	39	16	2	1	77	57	32	20	39	16	2	1
	59	33	10	4	54	34	14	7	59	33	10	4	54	34	14	7	59	33	10	4
	68	48	25	14	68	48	25	14	68	48	25	14	68	48	25	14	68	48	25	14
	75	57	36	24	75	57	36	24	75	57	36	24	75	57	36	24	75	57	36	24
	81	66	44	32	81	66	44	32	81	66	44	32	81	66	44	32	81	66	44	32
THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	61	37	17	9	46	25	6	2	58	30	8	2	58	37	15	6	41	13	0	0
100	49	23	5	2	70	49	25	15	37	14	2	0	79	61	37	26	26	6	0	0
140	40	15	3	1	80	63	43	31	23	6	1	0	88	77	60	49	15	2	0	0
180	30	9	0	0	86	75	58	46	10	1	0	0	93	87	75	64	5	0	0	0
220	17	1	0	0	91	83	71	62	5	0	0	0	96	91	83	74	2	0	0	0
	70	49	25	12	39	12	0	0	72	50	24	12	70	49	25	12	39	12	0	0
	16	1	0	0	88	77	59	45	16	1	0	0	88	77	59	45	16	1	0	0
	12	1	0	0	95	89	80	70	12	1	0	0	95	89	80	70	12	1	0	0
	98	95	89	84	98	95	89	84	98	95	89	84	98	95	89	84	98	95	89	84
	99	98	96	93	99	98	96	93	99	98	96	93	99	98	96	93	99	98	96	93
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	48	24	6	1	65	42	17	5	64	42	17	7	55	33	10	4	74	56	28	15
100	27	6	1	0	80	65	43	28	49	22	6	1	69	50	27	16	64	40	14	3
140	20	1	0	0	90	81	64	51	35	13	1	0	81	65	42	27	51	26	5	1
180	12	0	0	0	94	87	75	64	23	6	0	0	87	76	56	43	45	20	4	1
220	9	0	0	0	95	91	83	75	13	1	0	0	92	83	67	55	35	13	4	1
	79	62	37	22	37	17	3	0	79	62	37	22	37	17	3	0	79	62	37	22
	53	27	7	2	53	27	7	2	53	27	7	2	53	27	7	2	53	27	7	2
	63	37	12	5	63	37	12	5	63	37	12	5	63	37	12	5	63	37	12	5
	70	49	24	12	70	49	24	12	70	49	24	12	70	49	24	12	70	49	24	12
	77	58	32	20	77	58	32	20	77	58	32	20	77	58	32	20	77	58	32	20

TABLE A- 35. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	21	5	0	0	41	16	5	1	37	15	1	0	24	8	0	0	51	24	5	0	9	2	0	0	58	32	10	4	0	0	0	0
50/120	9	1	0	0	52	26	9	3	24	3	0	0	28	9	0	0	24	5	0	0	18	3	0	0	36	12	0	0	0	0	0	0
50/180	7	0	0	0	55	30	10	4	5	1	0	0	33	11	0	0	12	2	0	0	19	4	0	0	17	3	0	0	0	0	0	0
150/ 60	0	0	0	0	56	32	12	5	5	0	0	0	57	33	11	4	14	3	0	0	34	12	2	0	31	12	0	0	13	3	0	0
150/120	0	0	0	0	78	63	42	29	2	0	0	0	76	58	34	21	5	0	0	0	49	24	5	2	9	2	0	0	24	7	0	0
150/180	0	0	0	0	89	78	62	50	2	0	0	0	86	74	56	41	2	0	0	0	57	33	10	4	5	0	0	0	34	12	1	0
250/ 60	0	0	0	0	56	32	12	5	0	0	0	0	59	36	14	5	0	0	0	0	54	29	9	3	11	2	0	0	31	11	0	0
250/120	0	0	0	0	78	63	42	29	0	0	0	0	80	63	42	30	0	0	0	0	71	52	28	14	2	0	0	0	50	26	7	2
250/180	0	0	0	0	89	78	62	50	0	0	0	0	91	82	68	57	0	0	0	0	83	68	48	33	0	0	0	0	64	41	14	5

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	51	26	8	2	0	0	0	0	46	20	3	0	0	0	0	0	28	8	0	0	0	0	0	0	23	3	0	0	0	0	0	0
50/120	31	7	0	0	0	0	0	0	16	3	0	0	0	0	0	0	12	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0
50/180	15	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/ 60	39	16	2	0	14	4	0	0	38	13	1	0	14	2	0	0	24	6	0	0	6	0	0	0	12	1	0	0	19	3	0	0
150/120	21	5	0	0	23	7	1	0	14	2	0	0	21	4	0	0	10	2	0	0	7	1	0	0	2	0	0	0	27	6	0	0
150/180	8	0	0	0	26	9	1	0	1	0	0	0	24	6	0	0	2	0	0	0	8	1	0	0	0	0	0	0	25	5	0	0
250/ 60	23	6	0	0	34	14	1	0	25	5	0	0	36	13	1	0	5	0	0	0	37	14	3	1	3	0	0	0	54	32	12	5
250/120	9	0	0	0	50	25	5	1	6	1	0	0	48	23	5	1	0	0	0	0	46	23	5	1	0	0	0	0	70	51	29	17
250/180	3	0	0	0	56	33	10	3	0	0	0	0	53	27	7	1	0	0	0	0	49	25	6	2	0	0	0	0	73	56	36	27

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	28	8	0	0	1	0	0	0	33	11	1	0	20	4	0	0	23	8	0	0	31	10	1	0	11	1	0	0	47	22	5	1
50/120	8	0	0	0	1	0	0	0	15	1	0	0	23	5	0	0	7	0	0	0	48	27	9	3	3	0	0	0	63	42	17	8
50/180	3	0	0	0	1	0	0	0	3	0	0	0	23	6	1	0	3	0	0	0	54	31	10	3	0	0	0	0	69	50	24	12
150/ 60	12	1	0	0	34	14	1	0	17	1	0	0	60	37	18	10	0	0	0	0	60	36	16	8	0	0	0	0	60	36	12	5
150/120	1	0	0	0	41	19	4	1	0	0	0	0	73	55	35	25	0	0	0	0	84	72	52	38	0	0	0	0	83	68	48	36
150/180	0	0	0	0	44	21	6	2	0	0	0	0	79	65	50	42	0	0	0	0	94	89	79	70	0	0	0	0	93	86	74	63
250/ 60	0	0	0	0	78	61	37	20	0	0	0	0	70	51	30	18	0	0	0	0	60	36	16	8	0	0	0	0	60	36	12	5
250/120	0	0	0	0	95	90	81	73	0	0	0	0	91	81	66	54	0	0	0	0	84	72	52	38	0	0	0	0	83	68	48	36
250/180	0	0	0	0	99	98	95	92	0	0	0	0	97	94	87	81	0	0	0	0	94	89	79	70	0	0	0	0	93	86	74	63

TABLE A- 36. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CLEVELAND, OHIO

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	36	10	0	0	13	5	1	0	55	30	11	5	14	4	0	0	68	48	25	12	7	2	0	0	73	52	28	18	0	0	0	0
50/120	22	6	0	0	34	11	2	0	38	19	4	1	20	5	0	0	51	24	5	0	8	2	0	0	50	24	7	2	0	0	0	0
50/180	20	4	0	0	42	18	5	1	37	12	1	0	24	7	0	0	36	12	2	0	12	3	0	0	36	13	2	0	0	0	0	0
150/ 60	0	0	0	0	27	9	2	0	7	0	0	0	39	17	4	2	20	5	0	0	19	6	0	0	40	18	2	1	6	1	0	0
150/120	0	0	0	0	52	27	8	2	2	0	0	0	55	29	9	3	11	2	1	0	35	13	2	0	18	4	0	0	21	5	0	0
150/180	0	0	0	0	67	46	22	11	2	0	0	0	67	44	18	7	9	2	1	0	45	20	4	2	10	2	0	0	26	8	0	0
250/ 60	0	0	0	0	27	9	2	0	0	0	0	0	41	21	6	2	0	0	0	0	38	14	4	1	14	2	0	0	21	6	0	0
250/120	0	0	0	0	52	27	8	2	0	0	0	0	56	33	11	4	0	0	0	0	57	32	11	3	3	0	0	0	37	17	2	0
250/180	0	0	0	0	67	46	22	11	0	0	0	0	69	50	26	14	0	0	0	0	69	47	24	13	1	0	0	0	53	29	8	2

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	61	37	17	9	0	0	0	0	58	30	8	2	0	0	0	0	41	13	0	0	0	0	0	0	38	11	0	0	0	0	0	0
50/120	45	18	4	1	0	0	0	0	29	9	1	0	0	0	0	0	22	4	0	0	0	0	0	0	11	0	0	0	0	0	0	0
50/180	30	8	0	0	0	0	0	0	10	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/ 60	47	23	7	2	13	3	0	0	47	20	5	1	9	0	0	0	35	10	0	0	6	0	0	0	21	4	0	0	14	2	0	0
150/120	29	9	1	0	17	4	0	0	25	8	1	0	17	2	0	0	19	4	0	0	6	0	0	0	6	0	0	0	25	6	0	0
150/180	20	4	0	0	24	8	1	0	8	0	0	0	22	4	0	0	4	0	0	0	8	1	0	0	0	0	0	0	27	6	0	0
250/ 60	29	10	2	0	30	11	1	0	31	9	1	0	32	12	1	0	13	1	0	0	32	13	3	1	3	0	0	0	47	24	6	1
250/120	12	2	0	0	43	20	3	0	12	3	0	0	43	19	3	1	1	0	0	0	43	21	5	1	0	0	0	0	67	48	27	15
250/180	9	0	0	0	51	28	6	1	5	0	0	0	50	24	6	1	0	0	0	0	47	24	6	2	0	0	0	0	72	54	31	20

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH			

TABLE A- 37. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	64	32	15	7	36	8	1	0	74	48	32	22	26	4	1	0	84	66	52	42	16	2	0	0	92	79	69	61	8	0	0	0
120	15	1	0	0	85	64	51	42	51	21	9	4	49	17	6	2	64	32	15	7	36	8	1	0	76	49	33	22	24	2	0	0
160	0	0	0	0	100	100	100	100	10	1	0	0	90	77	68	59	45	14	4	1	55	21	9	4	61	27	14	8	39	7	0	0
200	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	9	1	0	0	91	77	67	58	45	11	3	1	55	18	5	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	9	1	0	0	91	76	62	51

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	97	93	89	85	3	0	0	0	99	97	95	93	1	0	0	0	100	99	98	97	0	0	0	0	99	95	91	88	1	0	0	0
120	87	70	57	48	13	1	0	0	95	88	82	77	5	0	0	0	96	89	83	76	4	0	0	0	93	80	68	58	7	0	0	0
160	75	48	32	21	25	3	0	0	85	68	57	49	15	2	0	0	89	73	61	51	11	1	0	0	84	63	45	33	16	1	0	0
240	59	25	12	5	41	11	2	1	72	44	28	17	28	4	1	0	76	46	26	16	24	4	0	0	67	35	19	10	33	7	2	0
300	38	11	4	1	62	32	15	5	50	20	9	3	50	19	7	3	49	14	5	2	52	17	7	3	16	2	0	0	84	68	60	55

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	94	84	74	63	6	0	0	0	86	65	49	38	14	1	0	0	70	41	24	13	30	7	1	0	57	27	13	7	43	14	5	2
120	80	57	42	31	20	2	0	0	71	43	26	16	29	8	3	1	32	8	3	1	68	41	29	23	2	0	0	0	98	95	91	88
160	64	35	21	12	36	10	2	1	32	13	5	1	68	50	43	40	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	21	7	3	1	79	65	59	55	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 38. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	28	4	1	0	72	42	26	16	37	7	2	0	63	30	14	7	49	15	5	2	51	16	4	1	56	19	6	1	44	14	6	3
100	13	0	0	0	67	67	52	41	19	2	1	0	81	57	39	27	28	5	1	0	72	41	24	13	35	4	0	0	65	32	18	11
140	6	0	0	0	94	82	73	65	10	0	0	0	91	76	64	53	15	1	0	0	85	61	44	32	20	1	0	0	80	54	39	30
180	3	0	0	0	97	89	82	76	5	0	0	0	95	85	78	71	9	0	0	0	91	76	61	51	12	0	0	0	88	70	58	50
220	2	0	0	0	98	94	89	85	3	0	0	0	98	92	88	82	6	0	0	0	94	83	72	62	8	0	0	0	92	79	70	63

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	33	7	1	0	70	42	27	17	24	5	2	0	77	53	38	30	10	1	0	0	90	74	61	50	8	0	0	0	92	79	68	60
100	14	1	0	0	69	72	59	50	8	1	0	0	92	80	71	63	2	0	0	0	98	93	89	85	2	0	0	0	98	94	90	87
140	6	1	0	0	97	89	81	74	3	0	0	0	97	91	86	82	1	0	0	0	100	97	96	94	1	0	0	0	100	98	96	95
180	3	0	0	0	100	95	90	86	1	0	0	0	99	96	93	91	0	0	0	0	100	99	97	96	0	0	0	0	100	99	98	97
220	1	0	0	0	102	99	96	93	1	0	0	0	100	98	97	96	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	13	1	0	0	88	69	55	43	22	2	0	0	78	50	33	21	29	4	1	0	72	42	24	15	28	2	0	0	72	40	22	13
100	4	0	0	0	97	90	84	78	8	0	0	0	92	78	67	57	15	1	0	0	85	63	46	33	11	0	0	0	89	71	58	49
140	0	0	0	0	100	99	98	96	4	0	0	0	96	88	81	75	8	0	0	0	92	79	68	58	6	0	0	0	94	83	74	68
180	0	0	0	0	100	100	99	98	2	0	0	0	99	95	91	87	4	0	0	0	96	87	79	71	3	0	0	0	97	90	85	81
220	0	0	0	0	100	100	100	99	1	0	0	0	99	97	95	92	2	0	0	0	98	92	87	81	1	0	0	0	99	95	92	90

TABLE A- 39. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	38	10	2	0	62	32	17	11	39	11	4	2	61	29	14	7	46	17	7	3	54	25	11	4	29	5	1	0	71	44	29	20
100	19	2	0	0	81	58	41	30	21	3	0	0	79	56	39	27	24	3	1	0	76	50	32	21	12	0	0	0	88	71	58	49
140	10	0	0	0	90	73	59	48	11	0	0	0	90	73	61	51	14	0	0	0	86	67	51	40	6	0	0	0	94	83	74	67
180	6	0	0	0	94	82	72	62	6	0	0	0	95	86	79	73	7	0	0	0	93	82	73	65	3	0	0	0	97	92	87	83
220	3	0	0	0	97	89	82	76	3	0	0	0	97	92	88	83	4	0	0	0	96	88	81	76	1	0	0	0	99	95	92	89
	MAY				JUNE				JULY				AUGUST																			
60	9	0	0	0	94	82	73	66	2	0	0	0	98	94	90	86	2	0	0	0	99	93	90	86	1	0	0	0	99	95	91	87
100	2	0	0	0	102	99	97	95	0	0	0	0	100	99	98	97	1	0	0	0	100	97	96	94	0	0	0	0	100	99	97	96
140	1	0	0	0	102	100	98	97	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97
180	0	0	0	0	103	102	101	100	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97
220	0	0	0	0	103	102	101	101	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	98
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	7	0	0	0	93	82	72	63	15	2	0	0	86	66	51	39	32	7	1	0	68	40	22	13	39	8	2	1	61	28	12	5
100	2	0	0	0	98	94	90	87	5	0	0	0	96	86	78	70	16	1	0	0	64	65	50	37	16	1	0	0	82	59	42	32
140	1	0	0	0	100	98	96	94	2	0	0	0	98	94	89	85	9	0	0	0	92	78	65	55	9	0	0	0	91	78	67	58
180	0	0	0	0	100	99	98	97	1	0	0	0	100	98	96	95	5	0	0	0	95	86	78	70	4	0	0	0	96	88	81	74
220	0	0	0	0	100	99	98	97	1	0	0	0	100	98	96	95	3	0	0	0	97	90	85	79	3	0	0	0	97	92	88	84

TABLE A- 40. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	62	31	16	10	38	9	3	1	67	33	18	11	34	6	1	0	75	45	27	15	25	4	1	0	74	45	24	12	26	6	1	0
100	40	11	3	1	60	29	15	9	46	11	4	1	54	20	7	3	58	26	12	5	42	12	3	1	54	19	6	2	46	15	7	3
140	28	5	1	0	72	43	28	19	33	6	2	0	67	35	17	9	42	13	3	1	58	26	12	4	38	8	1	0	62	31	18	11
180	19	2	0	0	81	58	42	30	24	4	1	0	76	49	30	20	32	6	1	0	68	37	20	11	27	2	0	0	73	43	27	18
220	12	0	0	0	88	69	54	43	16	1	0	0	84	62	46	36	27	1	0	0	79	52	35	25	18	1	0	0	82	59	46	36
	MAY				JUNE				JULY				AUGUST																			
60	52	17	7	3	52	20	8	4	34	10	4	2	66	40	24	14	20	3	0	0	81	58	40	29	21	3	1	0	79	54	39	29
100	29	6	2	0	74	49	34	25	14	2	0	0	86	70	58	49	7	1	0	0	94	83	73	64	5	0	0	0	95	84	75	68
140	15	1	0	0	88	70	57	48	6	0	0	0	94	85	77	71	2	0	0	0	98	92	87	82	2	0	0	0	99	95	92	89
180	9	0	0	0	94	83	73	66	2	0	0	0	98	94	90	87	1	0	0	0	100	97	95	93	1	0	0	0	99	98	96	94
220	4	0	0	0	99	93	88	83	1	0	0	0	99	96	94	91	0	0	0	0	100	98	96	95	0	0	0	0	100	99	98	96
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	33	9	4	2	68	39	23	15	45	15	5	2	55	23	10	5	60	29	14	6	40	13	4	1	63	28	12	5	37	7	2	0
100	14	1	1	0	86	68	53	41	23	3	0	0	77	50	33	22	37	10	2	0	63	32	16	8	40	7	1	0	60	25	11	5
140	6	0	0	0	94	85	75	66	14	1	0	0	86	65	49	37	25	4	1	0	75	48	29	18	28	2	0	0	72	41	23	14
180	3	0	0	0	98	93	89	84	7	0	0	0	93	79	67	57	18	2	0	0	82	59	42	30	17	1	0	0	83	58	39	29
220	1	0	0	0	99	97	95	93	4	0	0	0	96	88	81	75	13	1	0	0	87	70	54	42	12	0	0	0	88	70	56	47

TABLE A- 41. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL													
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH											
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS											
50/60	19	2	0	0	21	3	0	0	30	3	0	0	14	2	0	0	51	16	5	1	1	0	0	0	0	
50/120	7	0	0	0	27	6	1	0	11	0	0	0	19	2	0	0	24	3	0	0	4	0	0	0	0	0
50/180	2	0	0	0	29	6	1	0	5	0	0	0	21	3	0	0	11	1	0	0	5	0	0	0	0	0
150/60	0	0	0	0	71	41	25	15	14	1	0	0	42	14	5	2	25	4	1	0	21	3	1	0	0	0
150/120	0	0	0	0	91	75	63	52	5	0	0	0	58	26	12	6	11	1	0	0	34	8	2	0	0	0
150/180	0	0	0	0	96	88	80	72	3	0	0	0	63	32	17	9	4	0	0	0	40	11	3	1	0	0
250/60	0	0	0	0	72	42	26	16	0	0	0	0	63	30	14	7	2	0	0	0	49	14	4	1	0	0
250/120	0	0	0	0	91	76	65	55	0	0	0	0	87	68	53	41	1	0	0	0	75	42	24	14	0	0
250/180	0	0	0	0	97	89	82	76	0	0	0	0	95	85	78	71	0	0	0	0	87	66	51	40	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST														
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH												
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS												
50/60	32	7	1	0	1	0	0	0	23	5	2	0	1	0	0	0	10	1	0	0	0	0	0	0	0	0	0
50/120	9	1	0	0	2	0	0	0	5	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
50/180	3	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/60	27	4	0	0	12	1	0	0	20	4	1	0	7	0	0	0	10	1	0	0	7	1	0	0	0	0	0
150/120	8	1	0	0	17	2	0	0	4	0	0	0	9	0	0	0	2	0	0	0	7	1	0	0	0	0	0
150/180	3	0	0	0	13	2	0	0	1	0	0	0	10	1	0	0	0	0	0	0	7	1	0	0	0	0	0
250/60	16	1	0	0	29	4	1	0	16	2	1	0	23	2	0	0	8	1	0	0	25	3	0	0	0	0	0
250/120	6	0	0	0	42	9	1	0	3	0	0	0	29	3	0	0	1	0	0	0	27	4	0	0	0	0	0
250/180	1	0	0	0	43	10	2	0	1	0	0	0	30	4	1	0	0	0	0	0	27	4	0	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS													
50/60	12	1	0	0	4	0	0	0	19	1	0	0	9	0	0	0	22	3	0	0	20	3	0	0	17	0	0	0
50/120	2	0	0	0	4	0	0	0	5	0	0	0	11	1	0	0	7	0	0	0	23	4	1	0	5	0	0	0
50/180	0	0	0	0	4	0	0	0	1	0	0	0	12	1	0	0	3	0	0	0	25	5	1	0	2	0	0	0
150/60	10	0	0	0	24	4	0	0	11	0	0	0	30	9	4	2	1	0	0	0	70	40	23	14	0	0	0	0
150/120	1	0	0	0	27	4	0	0	3	0	0	0	38	15	7	5	0	0	0	0	87	70	56	45	0	0	0	0
150/180	0	0	0	0	27	4	0	0	1	0	0	0	40	17	9	7	0	0	0	0	94	84	75	67	0	0	0	0
250/60	2	0	0	0	76	54	39	29	0	0	0	0	78	50	33	21	0	0	0	0	72	42	24	15	0	0	0	0
250/120	0	0	0	0	85	74	66	61	0	0	0	0	95	83	73	65	0	0	0	0	89	73	59	48	0	0	0	0
250/180	0	0	0	0	87	78	72	69	0	0	0	0	99	95	91	87	0	0	0	0	96	87	79	71	0	0	0	0

TABLE A- 42. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS													
50/60	43	13	5	2	10	1	0	0	52	17	6	3	7	0	0	0	63	29	13	6	1	0	0	0	68	36	17	8
50/120	22	3	0	0	18	3	0	0	29	3	1	0	11	1	0	0	41	11	3	1	5	0	0	0	41	9	2	1
50/180	12	1	0	0	23	5	1	0	18	1	0	0	16	1	0	0	27	4	1	0	7	1	0	0	24	2	0	0
150/60	0	0	0	0	38	9	3	1	23	4	1	0	21	4	1	0	39	9	3	1	8	0	0	0	48	13	4	2
150/120	0	0	0	0	66	36	22	15	12	1	0	0	40	11	3	2	24	3	1	0	19	3	0	0	29	3	0	0
150/180	0	0	0	0	81	57	41	28	8	0	0	0	50	19	7	4	15	1	0	0	27	6	2	0	15	0	0	0
250/60	0	0	0	0	38	9	3	1	0	0	0	0	34	6	1	0	3	0	0	0	24	3	1	0	29	4	1	0
250/120	0	0	0	0	66	36	23	15	0	0	0	0	62	28	11	4	2	0	0	0	47	16	6	2	16	0	0	0
250/180	0	0	0	0	81	58	42	30	0	0	0	0	76	49	30	20	1	0	0	0	65	30	15	7	8	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS													
50/60	50	16	6	3	0	0	0	0	34	9	4	2	0	0	0	0	20	3	0	0	0	0	0	0	21	3	1	0
50/120	21	3	1	0	1	0	0	0	10	1	0	0	1	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0
50/180	9	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0	18	2	0	0	0	0	0	1	0	0	0	0
150/60	41	8	2	0	7	0	0	0	28	7	3	1	4	0	0	0	18	2	0	0	6	0	0	0	19	1	0	0
150/120	16	2	0	0	13	1	0	0	8	1	0	0	8	0	0	0	4	0	0	0	7	0	0	0	2	0	0	0
150/180	7	0	0	0	16	1	0	0	2	0	0	0	10	1	0	0	1	0	0	0	7	1	0	0	1	0	0	0
250/60	24	2	0	0	18	1	0	0	22	4	1	0	18	1	0	0	15	1	0	0	23	3	0	0	12	1	0	0
250/120	10	0	0	0	34	6	1	0	6	0	0	0	27	2	0	0	2	0	0	0	26	4	0	0	2	0	0	0
250/180	4	0	0	0	41	8	1	0	2	0	0	0	30	4	1	0	1	0	0	0	27	4	0	0	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS													
50/60	30	7	3	2	2	0	0	0	38	8	1	0	4	0	0	0	42	12	4	1	9	0	0	0	37	7	2	0
50/120	8	0	0	0	3	0	0	0	14	1	0	0	9	0	0	0	21	2	0	0	17	1	0	0	18	1	0	0
50/180																												

TABLE A- 43. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	70	47	21	10	46	20	5	0	79	63	42	28	35	14	3	1	88	77	60	48	26	7	1	0	93	86	75	65	8	0	0	0
120	28	8	0	0	86	75	59	49	63	39	16	7	56	33	12	4	69	47	22	11	43	19	3	0	80	63	41	27	29	7	0	0
180	0	0	0	0	100	100	100	100	25	10	0	0	92	85	75	65	52	29	7	1	61	35	14	5	65	42	21	12	43	17	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	26	11	0	0	92	85	74	63	48	22	5	2	57	31	8	2
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	17	7	0	0	91	83	67	55
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	98	95	91	87	4	0	0	0	99	98	96	94	0	0	0	0	100	99	98	97	0	0	0	0	98	96	93	89	0	0	0	0
120	89	79	64	53	20	6	1	0	96	92	86	81	11	3	0	0	96	92	86	78	4	1	0	0	93	86	73	61	6	1	0	0
180	78	63	41	26	35	11	0	0	88	79	66	56	27	9	0	0	90	80	66	55	15	4	0	0	85	73	52	38	19	4	0	0
240	63	42	19	8	47	24	4	1	77	59	38	23	36	14	2	0	78	59	33	20	29	11	1	0	72	51	27	14	43	18	5	0
300	49	26	9	3	69	49	22	8	61	39	17	5	62	37	12	5	53	27	8	4	56	32	13	5	32	8	0	0	88	80	70	64
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	95	89	78	66	6	0	0	0	87	75	55	42	22	6	0	0	75	56	33	17	44	19	3	0	65	43	19	9	54	30	10	4
120	83	69	49	35	28	7	1	0	76	58	33	20	46	23	8	2	42	20	6	3	75	59	42	33	1	0	0	0	98	96	93	89
160	71	52	29	16	46	23	5	1	57	35	13	3	84	73	63	60	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	48	21	7	1	90	82	74	70	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 44. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	35	12	1	0	74	57	35	20	44	17	3	1	66	45	20	9	54	28	10	3	53	28	7	2	58	32	9	2	48	27	11	6
100	14	2	0	0	87	75	58	45	23	6	2	0	83	68	46	31	36	17	4	1	73	54	32	16	35	10	0	0	67	46	26	16
140	7	1	0	0	94	87	77	68	11	2	0	0	90	83	69	56	19	3	0	0	84	70	50	36	21	2	0	0	81	66	47	35
180	2	0	0	0	96	92	85	78	6	1	0	0	94	89	81	73	12	1	0	0	91	82	66	54	16	1	0	0	89	79	65	55
220	0	0	0	0	98	95	91	86	2	0	0	0	97	94	89	83	9	1	0	0	94	87	75	65	12	1	0	0	93	86	75	67
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	49	19	3	0	75	58	36	23	33	14	4	1	81	65	46	35	13	4	0	0	91	82	66	54	13	2	0	0	92	85	73	64
100	22	6	1	0	89	80	66	56	15	2	0	0	93	86	75	67	3	0	0	0	98	95	91	87	0	0	0	0	98	96	92	88
140	13	3	1	0	96	91	83	77	1	0	0	0	97	94	89	84	0	0	0	0	99	98	96	94	0	0	0	0	99	98	97	95
180	5	0	0	0	97	95	90	86	0	0	0	0	98	97	94	92	0	0	0	0	99	99	97	96	0	0	0	0	100	99	98	97
220	1	0	0	0	99	97	95	92	0	0	0	0	99	98	97	96	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	97
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	15	3	0	0	88	78	61	47	23	6	0	0	79	62	41	26	37	12	1	0	74	56	31	19	28	8	1	0	72	54	29	17
100	5	0	0	0	97	93	87	80	12	1	0	0	92	84	72	61	18	3	0	0	85	73	52	38	13	1	0	0	89	79	63	54
140	0	0	0	0	100	99	98	96	7	0	0	0	96	91	84	77	12	2	0	0	92	85	72	62	3	0	0	0	93	87	77	71
180	0	0	0	0	100	99	99	98	1	0	0	0	98	96	92	88	4	0	0	0	95	91	81	75	0	0	0	0	97	93	88	83
220	0	0	0	0	100	100	99	99	0	0	0	0	99	97	95	93	0	0	0	0	97	94	88	82	0	0	0	0	98	96	94	91

TABLE A- 45. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	52	25	5	1	69	48	23	14	44	21	7	2	64	42	19	10	61	31	11	5	66	43	18	6	40	12	1	0	76	60	39	27
100	36	10	0	0	84	71	49	35	32	10	1	0	82	67	46	31	37	8	1	0	79	64	40	25	19	2	0	0	90	80	65	54
140	17	1	0	0	90	81	65	52	12	3	0	0	89	80	66	54	22	1	0	0	87	76	58	44	10	0	0	0	94	88	79	70
180	6	0	0	0	94	86	75	65	8	0	0	0	95	90	82	75	16	0	0	0	94	87	77	69	4	0	0	0	97	94	89	84
220	1	0	0	0	96	92	85	78	3	0	0	0	97	94	89	84	5	0	0	0	96	92	84	78	1	0	0	0	98	96	93	90
	MAY				JUNE				JULY				AUGUST																			
60	19	2	0	0	93	86	76	68	4	0	0	0	98	96	91	87	0	0	0	0	98	95	91	87	0	0	0	0	98	96	92	88
100	4	0	0	0	99	97	95	94	0	0	0	0	100	99	98	97	0	0	0	0	99	98	96	94	0	0	0	0	100	99	98	96
140	4	0	0	0	99	98	96	95	0	0	0	0	100	99	98	98	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	97
180	0	0	0	0	99	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	97
220	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98	0	0	0	0	99	99	98	97	0	0	0	0	100	99	99	98
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	9	1	0	0	93	87	76	66	34	9	0	0	88	76	57	44	48	18	1	0	75	57	30	16	45	18	4	2	66	45	18	8
100	2	0	0	0	98	96	92	88	7	0	0	0	95	90	81	73	31	5	0	0	87	77	57	42	28	3	0	0	85	71	51	38
140	0	0	0	0	99	98	97	94	3	0	0	0	98	95	91	86	14	2	0	0	91	84	70	58	12	0	0	0	93	85	72	62
180	0	0	0	0	100	99	98	97	4	0	0	0	99	98	97	95	9	0	0	0	95	90	81	72	5	0	0	0	96	92	84	76
220	0	0	0	0	100	99	98	97	2	0	0	0	99	98	97	95	5	0	0	0	96	93	87	81	5	0	0	0	97	95	90	85

TABLE A- 46. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	67	46	23	13	43	19	5	1	68	46	23	13	36	14	3	0	78	59	34	19	28	11	2	0	77	59	30	15	33	16	4	1
100	51	25	5	2	65	46	23	13	49	20	6	2	56	32	11	4	65	42	18	8	49	26	6	2	59	32	9	2	57	30	13	6
140	38	15	2	1	74	58	36	24	38	14	3	0	71	50	22	11	54	27	6	2	65	43	18	7	44	17	2	0	60	47	27	16
180	30	8	1	0	83	70	50	35	28	10	2	0	79	61	36	23	41	15	3	0	71	52	27	14	30	6	0	0	75	57	35	23
220	15	2	0	0	88	77	61	47	15	3	0	0	84	71	51	39	26	5	0	0	80	64	42	29	24	3	0	0	84	71	54	43
	MAY				JUNE				JULY				AUGUST																			
60	58	31	11	5	58	35	14	6	44	22	7	3	72	54	32	19	22	7	1	0	82	69	47	32	26	9	1	1	81	66	47	34
100	41	15	4	1	79	64	44	31	25	6	1	0	89	80	66	55	8	2	0	0	94	88	77	67	5	1	0	0	94	89	79	71
140	27	5	1	0	89	79	64	54	9	1	0	0	95	90	81	74	1	0	0	0	97	94	89	84	0	0	0	0	98	96	93	90
180	19	1	0	0	94	87	77	69	3	0	0	0	98	96	92	88	0	0	0	0	99	97	95	93	0	0	0	0	99	98	96	94
220	11	0	0	0	97	94	89	84	0	0	0	0	99	97	95	92	0	0	0	0	99	98	97	95	0	0	0	0	100	99	98	97
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	45	19	9	4	73	53	30	19	52	28	8	3	62	39	16	7	67	46	20	8	48	27	8	3	65	42	17	7	41	18	3	0
100	19	4	2	0	88	77	59	45	33	10	1	0	79	63	40	26	48	22	3	1	69	49	23	12	42	17	2	0	62	41	16	7
140	6	0	0	0	94	89	78	69	22	5	0	0	87	75	56	41	36	10	1	0	79	62	37	22	33	8	0	0	74	55	30	19
180	3	0	0	0	98	95	91	86	12	1	0	0	92	85	72	61	27	6	1	0	84	71	50	35	23	5	0	0	84	70	47	34
220	2	0	0	0	99	98	96	94	12	1	0	0	96	91	84	77	20	3	0	0	89	79	60	46	12	1	0	0	89	78	62	51

TABLE A- 47. PROBABILITY(I), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	26	8	1	0	32	14	0	0	33	9	0	0	22	7	0	0	45	21	6	1	5	2	1	0	54	28	8	1	0	0	0	0
50/120	8	1	0	0	38	18	2	0	11	1	0	0	29	10	0	0	23	8	1	0	18	2	1	0	26	9	0	0	1	0	0	0
50/180	0	0	0	0	40	18	2	0	6	1	0	0	30	10	1	0	10	1	0	0	19	5	1	0	14	2	0	0	3	0	0	0
150/ 60	0	0	0	0	73	56	34	20	24	6	0	0	53	29	9	4	31	11	3	0	28	11	2	0	38	14	3	1	14	1	0	0
150/120	0	0	0	0	90	82	67	56	9	2	0	0	66	44	18	8	14	3	0	0	44	20	4	0	16	4	0	0	24	4	0	0
150/180	0	0	0	0	96	91	82	74	5	1	0	0	69	49	25	13	4	0	0	0	48	24	6	1	3	0	0	0	28	4	0	0
250/ 60	0	0	0	0	74	57	35	20	0	0	0	0	66	45	20	9	2	0	0	0	50	26	7	2	26	7	0	0	32	11	1	0
250/120	0	0	0	0	91	82	69	59	0	0	0	0	88	77	58	44	2	0	0	0	74	55	31	17	10	1	0	0	44	20	3	0
250/180	0	0	0	0	96	92	85	78	0	0	0	0	94	89	81	73	0	0	0	0	87	75	57	44	1	0	0	0	54	28	8	2

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	47	18	3	0	2	0	0	0	33	14	4	1	0	0	0	0	13	4	0	0	0	0	0	0	13	2	0	0	0	0	0	0
50/120	16	4	1	0	1	0	0	0	8	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50/180	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/ 60	40	12	1	0	16	4	1	0	29	11	3	0	9	0	0	0	13	4	0	0	10	3	0	0	13	2	0	0	10	2	0	0
150/120	15	3	1	0	20	7	0	0	7	0	0	0	12	0	0	0	2	0	0	0	11	3	0	0	0	0	0	0	11	3	1	0
150/180	4	0	0	0	22	7	0	0	0	0	0	0	18	5	0	0	0	0	0	0	11	3	0	0	0	0	0	0	11	3	1	0
250/ 60	22	4	0	0	35	12	2	1	25	9	2	0	30	7	1	0	11	3	0	0	28	10	1	0	11	2	0	0	46	21	4	1
250/120	7	2	0	0	45	20	3	0	4	0	0	0	38	9	1	0	2	0	0	0	31	11	1	0	0	0	0	0	50	24	7	1
250/180	0	0	0	0	47	22	3	0	0	0	0	0	41	14	2	0	0	0	0	0	31	11	1	0	0	0	0	0	50	24	7	1

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	12	3	0	0	3	0	0	0	21	5	0	0	12	1	0	0	25	8	1	0	30	9	1	0	16	2	0	0	34	13	2	0
50/120	2	0	0	0	3	0	0	0	8	0	0	0	17	2	0	0	10	2	0	0	33	13	3	0	2	0	0	0	45	22	6	1
50/180	0	0	0	0	3	0	0	0	1	0	0	0	19	3	0	0	1	0	0	0	36	15	3	0	0	0	0	0	47	24	6	1
150/ 60	11	2	0	0	33	12	1	0	8	1	0	0	52	29	11	5	5	1	0	0	74	55	31	18	0	0	0	0	72	54	29	17
150/120	2	0	0	0	34	12	1	0	2	0	0	0	59	37	17	12	0	0	0	0	89	80	63	51	0	0	0	0	92	84	72	64
150/180	0	0	0	0	34	12	1	0	0	0	0	0	60	40	22	15	0	0	0	0	95	90	80	70	0	0	0	0	97	93	88	83
250/ 60	0	0	0	0	83	69	49	37	0	0	0	0	79	62	41	26	0	0	0	0	74	56	31	19	0	0	0	0	72	54	29	17
250/120	0	0	0	0	92	86	77	71	0	0	0	0	94	88	77	68	0	0	0	0	90	81	65	53	0	0	0	0	92	84	72	64
250/180	0	0	0	0	94	90	83	79	0	0	0	0	98	96	92	88	0	0	0	0	95	91	81	73	0	0	0	0	97	93	88	83

TABLE A- 48. PROBABILITY(I), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - COLUMBIA, MISSOURI

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	49	27	8	3	15	5	1	0	52	29	10	5	13	2	0	0	67	44	19	7	0	0	0	0	72	51	22	10	0	0	0	0
50/120	26	8	1	0	27	12	1	0	28	7	1	0	23	4	0	0	46	21	6	2	6	3	1	0	46	19	3	1	0	0	0	0
50/180	15	5	0	0	36	17	2	0	17	4	0	0	24	5	0	0	29	11	2	0	17	2	1	0	26	6	0	0	0	0	0	0
150/ 60	2	0	0	0	43	19	5	1	29	13	3	0	27	11	3	0	45	21	7	1	12	1	0	0	49	25	7	3	7	0	0	0
150/120	0	0	0	0	69	52	31	20	16	2	0	0	50	25	5	2	28	10	2	0	24	9	1	0	30	7	0	0	14	1	0	0
150/180	0	0	0	0	82	69	48	33	9	2	0	0	60	34	10	6	16	3	0	0	40	18	4	1	15	0	0	0	21	3	0	0
250/ 60	0	0	0	0	43	19	5	1	0	0	0	0	36	14	3	0	6	0	0	0	28	11	2	0	32	12	1	0	17	6	1	0
250/120	0	0	0	0	69	52	31	20	0	0	0	0	65	42	15	6	2	0	0	0	53	30	10	3	13	1	0	0	36	15	1	0
250/180	0	0	0	0	83	70	50	35	0	0	0	0	79	61	36	23	2	0	0	0	66	44	21	10	4	0	0	0	43	18	3	1

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/ 60	56	29	10	5	0	0	0	0	44	21	7	3	0	0	0	0	22	7	1	0	0	0	0	0	26	9	1	1	0	0	0	0
50/120	35	12	3	0	1	0	0	0	15	3	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
50/180	18	1	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/ 60	46	18	4	1	6	1	0	0	40	19	5	2	3	0	0	0	19	5	1	0	9	2	0	0	21	4	0	0	8	1	0	0
150/120	28	8	1	0	16	4	1	0	13	2	0	0	8	0	0	0	5	0	0	0	10	3	0	0	0	0	0	0	10	2	0	0
150/180	12	1	0	0	18	6	0	0	3	0	0	0	18	5	0	0	0	0	0	0	11	3	0	0	0	0	0	0	11	3	1	0
250/ 60	27	6	0	0	22	5	0	0	33	12	2	0	25	5	0	0	15	3	0	0	25	9	1	0	13	2	0	0	39	14	2	1
250/120	16	2	0	0	67	44	19	7	9	1	0	0	34	8	0	0	2	0	0	0	29	10	1	0	0	0	0	0	48	22	5	1
250/180	5	1	0	0	44	19	3	0	1	0	0	0	41	14	2	0	0	0	0	0	31	11	1	0	0	0	0	0	50	24	6	1

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	

TABLE A- 49. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	50	15	4	1	50	17	6	2	68	37	20	11	32	5	2	0	86	66	51	41	14	1	0	0	97	91	87	84	3	0	0	0
120	2	0	0	0	98	93	86	80	35	7	1	0	65	31	16	9	53	17	6	1	47	10	2	1	71	40	24	16	29	5	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	96	91	30	5	2	0	70	36	18	10	53	19	7	3	47	13	3	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	98	93	88	81	33	7	2	1	67	33	14	6
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	1	1	0	0	99	96	92	88

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	96	94	92	1	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	98	0	0	0	0
120	86	68	54	45	14	2	0	0	94	85	77	69	6	0	0	0	94	83	74	65	6	0	0	0	92	76	62	49	8	0	0	0
180	67	39	23	15	33	8	2	1	79	56	41	30	21	3	1	0	78	51	33	20	22	2	0	0	75	43	24	13	25	2	0	0
240	50	20	8	3	50	21	8	3	60	29	15	7	40	11	4	1	57	24	9	3	43	14	6	2	47	16	6	1	93	23	10	4
300	19	3	0	0	81	61	45	33	28	6	2	0	72	45	27	16	14	1	0	0	86	71	62	57	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	97	90	84	77	3	0	0	0	86	67	52	41	14	1	0	0	58	26	13	7	42	13	5	1	40	10	2	0	60	28	14	7
120	77	50	33	22	23	4	1	0	61	32	16	9	39	15	7	4	9	1	0	0	91	81	76	75	0	0	0	0	100	100	100	100
180	56	24	9	3	44	15	6	3	14	2	1	0	86	76	72	71	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	6	1	0	0	94	88	86	84	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 50. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	39	8	2	0	61	28	15	9	43	10	3	0	57	23	11	5	50	14	4	1	50	16	5	1	53	18	5	1	47	15	6	2
100	22	2	0	0	78	51	34	23	26	3	0	0	74	44	30	19	32	4	0	0	68	34	18	10	34	4	0	0	56	36	21	13
140	13	0	0	0	87	68	52	41	15	1	0	0	85	63	47	34	20	1	0	0	80	53	37	26	22	1	0	0	78	53	36	27
180	7	0	0	0	93	81	71	61	9	0	0	0	91	76	64	53	13	0	0	0	87	68	54	43	14	0	0	0	86	66	52	42
220	3	0	0	0	97	91	86	80	6	0	0	0	94	82	71	62	9	0	0	0	91	74	61	51	10	0	0	0	90	76	65	57

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	40	11	3	0	60	29	15	9	29	7	2	0	71	44	29	20	19	2	0	0	81	58	41	30	15	1	0	0	85	68	51	40
100	21	3	0	0	79	54	38	29	14	1	0	0	86	69	56	46	7	0	0	0	93	82	72	64	5	0	0	0	95	87	81	75
140	12	1	0	0	88	71	59	49	7	0	0	0	93	82	73	65	2	0	0	0	98	93	89	85	2	0	0	0	98	93	89	86
180	6	0	0	0	94	83	74	67	3	0	0	0	97	90	85	81	0	0	0	0	100	98	96	95	1	0	0	0	99	96	93	91
220	4	0	0	0	96	89	83	78	1	0	0	0	99	95	92	89	0	0	0	0	100	99	98	98	0	0	0	0	100	99	98	96

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	16	1	0	0	84	62	46	33	23	3	0	0	77	51	35	25	39	9	1	0	61	28	14	7	36	7	1	0	64	30	14	7
100	5	0	0	0	95	85	76	69	9	0	0	0	91	75	62	51	21	1	0	0	79	52	33	21	18	1	0	0	82	56	39	29
140	2	0	0	0	98	94	90	87	4	0	0	0	96	86	77	69	11	0	0	0	89	71	56	44	9	0	0	0	91	76	63	52
180	0	0	0	0	100	98	97	96	2	0	0	0	98	93	89	85	6	0	0	0	94	85	75	66	5	0	0	0	95	85	76	70
220	0	0	0	0	100	98	97	96	1	0	0	0	99	97	95	93	4	0	0	0	97	90	83	76	2	0	0	0	98	91	86	81

TABLE A- 51. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	46	15	7	4	54	25	13	7	46	15	4	2	54	24	11	6	39	11	3	1	61	31	18	11	26	4	0	0	74	49	34	26
100	27	5	1	0	73	46	28	20	28	4	0	0	72	43	27	17	24	4	0	0	76	50	35	25	13	1	0	0	87	71	61	53
140	16	1	0	0	84	63	48	36	17	1	0	0	83	62	46	34	15	1	0	0	85	65	50	40	6	0	0	0	94	85	78	72
180	10	1	0	0	90	76	65	57	10	0	0	0	90	76	64	54	9	0	0	0	91	76	65	56	3	0	0	0	97	93	89	86
220	6	0	0	0	94	84	76	68	6	0	0	0	94	83	74	66	6	0	0	0	94	83	75	69	1	0	0	0	99	96	94	92
	MAY				JUNE				JULY				AUGUST																			
60	6	0	0	0	94	84	75	68	3	0	0	0	97	91	85	80	1	0	0	0	99	96	94	91	1	0	0	0	99	97	95	93
100	1	0	0	0	99	96	94	91	0	0	0	0	100	97	96	94	0	0	0	0	100	99	98	98	0	0	0	0	100	99	99	98
140	0	0	0	0	100	98	97	95	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	98	0	0	0	0	100	99	99	98
180	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98
220	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	5	0	0	0	95	85	76	67	12	1	0	0	88	72	59	47	37	9	2	0	63	33	18	9	47	16	4	1	53	22	10	5
100	1	0	0	0	99	95	93	90	3	0	0	0	97	90	82	75	20	3	0	0	80	56	40	27	27	4	1	0	73	45	27	17
140	0	0	0	0	100	99	97	96	1	0	0	0	99	97	94	90	11	1	0	0	89	74	61	49	16	2	0	0	64	64	47	36
180	0	0	0	0	100	99	99	96	0	0	0	0	100	98	96	94	7	0	0	0	93	83	74	64	9	0	0	0	91	76	62	50
220	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97	3	0	0	0	97	91	86	80	5	0	0	0	95	85	75	67

TABLE A- 52. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	67	37	22	13	33	8	3	1	69	39	21	12	31	7	2	1	71	40	22	13	29	5	2	1	68	36	16	7	32	7	1	0
100	50	17	8	4	50	18	9	6	53	19	5	1	47	16	7	3	54	22	9	3	46	15	5	2	50	16	4	1	50	20	8	4
140	38	9	2	0	62	30	16	9	40	9	2	0	60	28	14	8	43	12	4	1	57	25	12	6	36	7	1	0	64	34	19	12
180	29	4	0	0	71	41	25	16	30	5	1	0	70	40	24	16	32	6	2	0	68	37	22	14	27	3	0	0	73	46	31	22
220	21	2	0	0	79	53	37	27	23	3	0	0	77	51	34	23	26	3	0	0	74	45	29	20	20	2	0	0	80	57	42	33
	MAY				JUNE				JULY				AUGUST																			
60	51	18	6	1	49	18	9	5	38	12	4	2	62	34	19	11	27	5	1	0	73	46	29	20	21	3	0	0	79	56	40	29
100	32	6	1	0	69	39	24	18	21	4	1	0	79	56	42	31	11	1	0	0	89	73	59	49	9	0	0	0	91	77	66	57
140	20	3	1	0	80	58	43	33	11	1	0	0	89	76	65	55	5	0	0	0	95	86	78	71	4	0	0	0	96	89	84	78
180	13	1	0	0	88	71	59	51	6	0	0	0	94	84	75	68	2	0	0	0	98	94	90	87	2	0	0	0	98	94	90	86
220	7	0	0	0	93	81	72	65	3	0	0	0	97	89	83	78	0	0	0	0	100	98	97	96	1	0	0	0	99	97	94	92
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
60	28	5	0	0	72	44	26	16	39	12	4	1	61	31	17	10	59	27	13	7	41	11	3	1	68	37	20	9	32	7	2	1
100	13	1	0	0	87	66	50	38	23	4	0	0	77	52	37	25	45	13	2	1	55	25	12	6	48	16	4	0	52	20	8	3
140	7	0	0	0	93	82	71	62	12	1	0	0	88	69	55	44	34	7	1	0	66	35	19	10	37	9	1	0	63	33	18	11
180	3	0	0	0	97	90	83	77	7	0	0	0	93	80	69	58	24	2	0	0	76	50	33	21	27	4	0	0	73	46	31	19
220	2	0	0	0	98	95	91	88	4	0	0	0	96	86	78	70	17	1	0	0	63	62	46	34	19	2	0	0	61	57	45	30

TABLE A- 53. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	22	3	0	0	28	5	0	0	34	7	1	0	12	0	0	0
50/120	11	0	0	0	37	8	2	1	16	1	0	0	17	1	0	0
50/180	4	0	0	0	42	11	3	1	7	0	0	0	23	2	0	0
150/60	0	0	0	0	61	28	15	9	6	0	0	0	11	0	0	0
150/120	0	0	0	0	82	56	39	26	3	0	0	0	70	39	23	14
150/180	0	0	0	0	93	81	71	61	1	0	0	0	4	0	0	0
250/60	0	0	0	0	61	28	15	9	0	0	0	0	57	23	11	5
250/120	0	0	0	0	82	56	39	26	0	0	0	0	80	53	37	26
250/180	0	0	0	0	93	81	71	61	0	0	0	0	91	76	64	53

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	40	11	3	0	0	0	0	0	29	7	2	0	0	0	0	0
50/120	16	2	0	0	0	0	0	0	9	1	0	0	0	0	0	0
50/180	6	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/60	29	5	1	0	13	1	0	0	24	4	0	0	8	0	0	0
150/120	12	0	0	0	21	3	0	0	8	0	0	0	11	1	0	0
150/180	5	0	0	0	23	4	1	0	2	0	0	0	12	1	0	0
250/60	16	1	0	0	29	7	1	0	12	1	0	0	28	4	1	0
250/120	6	0	0	0	43	14	4	0	4	0	0	0	39	9	2	1
250/180	2	0	0	0	48	19	7	2	1	0	0	0	43	12	4	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	15	1	0	0	1	0	0	0	21	3	0	0	5	0	0	0
50/120	3	0	0	0	2	0	0	0	6	0	0	0	9	0	0	0
50/180	0	0	0	0	2	0	0	0	7	0	0	0	3	0	0	0
150/60	9	0	0	0	26	5	1	0	7	0	0	0	44	17	9	6
150/120	2	0	0	0	31	7	2	1	1	0	0	0	54	28	18	14
150/180	0	0	0	0	32	9	3	1	0	0	0	0	58	35	26	23
250/60	0	0	0	0	84	62	45	33	0	0	0	0	77	51	35	25
250/120	0	0	0	0	96	90	84	79	0	0	0	0	93	81	71	62
250/180	0	0	0	0	99	98	96	95	0	0	0	0	98	93	89	85

TABLE A- 54. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	36	7	1	0	14	2	0	0	53	19	8	4	6	0	0	0
50/120	23	3	0	0	24	4	0	0	34	7	1	0	43	12	4	1
50/180	15	1	0	0	31	7	2	1	23	3	0	0	28	4	0	0
150/60	0	0	0	0	33	8	3	1	9	0	0	0	27	5	1	0
150/120	0	0	0	0	56	24	12	7	5	0	0	0	46	15	6	2
150/180	0	0	0	0	71	41	25	16	3	0	0	0	60	28	14	7
250/60	0	0	0	0	33	8	3	1	0	0	0	0	31	7	2	1
250/120	0	0	0	0	56	24	12	7	0	0	0	0	54	24	11	5
250/180	0	0	0	0	71	41	25	16	0	0	0	0	70	40	24	16

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	51	18	6	1	0	0	0	0	38	12	4	2	0	0	0	0
50/120	24	4	1	0	0	0	0	0	15	2	0	0	0	0	0	0
50/180	13	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0
150/60	36	8	2	0	10	1	0	0	31	7	1	1	6	0	0	0
150/120	18	1	0	0	18	2	0	0	12	1	0	0	9	0	0	0
150/180	9	0	0	0	21	3	0	0	5	0	0	0	11	1	0	0
250/60	21	2	0	0	23	4	1	0	16	1	0	0	23	2	0	0
250/120	9	0	0	0	38	11	3	0	7	0	0	0	36	7	1	0
250/180	4	0	0	0	45	16	5	1	3	0	0	0	41	10	3	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.		.GE. THRESH.		.LT. THRESH.	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	27	4	0	0	1	0	0	0	35	8	1	0	3	0	0	0
50/120	10	0	0	0	2	0	0	0	16	1	0	0	5	0	0	0
50/180	3	0	0	0	2	0	0	0	6	0	0	0	6	0	0	0
150/60	15	1	0	0	20	2	0	0	12	1	0	0	32	8	2	1
150/120	5	0	0	0	27	5	1	1	5	0	0	0	47	20	12	8
150/180	2	0	0	0	31	7	2	1	1	0	0	0	53	27	17	13
250/60	0	0	0	0	71	43	26	16	0	0	0	0	61	31	17	10
250/120	0	0	0	0	89	73	60	48	0	0	0	0	82	61	46	34
250/180	0	0	0	0	96	89	83	76	0	0	0	0	93	80	69	58

TABLE A- 55. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	55	29	5	1	56	31	10	3	74	53	29	15	37	15	4	1	87	76	58	46	16	3	0	0	97	94	90	86	2	0	0	0
120	8	0	0	0	98	95	88	81	44	18	2	1	67	45	21	12	56	31	10	3	48	21	4	1	73	55	32	21	33	14	2	1
180	0	0	0	0	100	100	100	100	4	0	0	0	100	99	96	91	38	15	4	1	72	51	25	13	57	33	12	6	48	24	5	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	6	0	0	0	98	95	90	83	40	19	6	4	69	47	20	8
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	12	12	3	0	99	97	93	89

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	97	95	93	0	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0
120	89	79	62	51	26	10	1	0	95	90	81	72	5	0	0	0	94	88	78	68	9	1	0	0	91	82	67	53	19	0	0	0
180	75	56	35	20	45	23	6	1	83	70	51	36	32	14	2	1	81	64	40	24	31	8	1	0	75	56	31	16	32	8	1	0
240	60	37	14	6	61	40	15	4	68	47	23	11	50	25	9	2	64	40	15	6	51	29	10	3	57	32	11	2	66	43	19	8
300	35	12	1	0	86	74	55	39	44	21	5	0	78	62	36	21	19	5	0	0	89	81	70	64	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	96	93	87	79	3	0	0	0	88	77	59	46	23	5	0	0	63	41	21	11	53	28	10	2	47	23	5	1	64	44	21	10
120	81	64	41	27	32	12	2	1	70	50	25	13	55	34	14	7	18	6	1	0	94	89	84	82	0	0	0	0	100	100	100	100
180	62	39	14	5	52	31	14	7	37	11	3	0	93	88	84	82	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	22	6	1	0	97	94	91	90	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 56. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	44	19	4	1	64	42	22	12	47	22	5	1	59	37	17	8	52	25	6	1	51	28	8	2	58	30	8	2	54	28	9	4
100	25	6	0	0	79	63	41	28	34	10	1	0	75	58	37	23	36	10	1	0	68	48	24	12	39	11	0	0	70	52	28	17
140	11	0	0	0	87	77	59	45	24	4	0	0	85	73	54	39	23	3	0	0	81	65	44	30	27	5	0	0	81	65	44	32
180	6	0	0	0	93	87	75	64	17	3	0	0	91	83	69	57	16	1	0	0	88	77	60	47	20	2	0	0	87	76	59	47
220	1	0	0	0	97	94	88	82	12	1	0	0	94	87	75	65	8	1	0	0	90	81	65	54	16	1	0	0	91	84	71	62

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	52	24	5	1	66	44	22	13	41	17	3	0	76	59	37	24	29	8	0	0	84	70	49	36	22	4	0	0	87	76	58	44
100	33	11	1	0	81	67	47	35	22	5	1	0	89	79	64	51	11	1	0	0	94	88	77	68	9	1	0	0	95	91	84	77
140	18	6	1	0	89	80	66	55	9	3	0	0	93	87	77	69	2	0	0	0	98	95	91	87	1	0	0	0	97	95	91	87
180	7	1	0	0	93	88	79	71	0	0	0	0	96	93	87	82	0	0	0	0	99	98	97	95	0	0	0	0	99	97	94	92
220	6	0	0	0	96	92	86	81	0	0	0	0	98	96	93	90	0	0	0	0	100	99	98	98	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	17	5	0	0	85	73	53	37	35	13	1	1	80	65	44	31	46	20	3	0	65	43	21	9	38	16	2	0	67	45	20	10
100	7	0	0	0	95	90	80	72	14	0	0	0	91	82	68	55	27	5	0	0	80	65	40	26	18	2	0	0	82	68	46	33
140	4	0	0	0	98	96	92	88	4	0	0	0	95	90	81	72	16	1	0	0	90	80	63	49	6	0	0	0	91	82	67	56
180	0	0	0	0	99	99	97	96	0	0	0	0	98	95	90	86	11	0	0	0	95	89	79	69	3	0	0	0	94	89	80	73
220	0	0	0	0	99	99	97	96	0	0	0	0	99	98	96	93	5	0	0	0	96	93	85	78	0	0	0	0	97	93	88	83

TABLE A- 57. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	56	29	13	7	64	42	21	12	58	30	7	3	62	40	17	8	52	22	5	1	69	47	26	15	38	11	0	0	80	64	43	32
100	37	15	2	0	78	61	36	25	39	13	1	0	76	57	34	21	38	11	1	0	80	63	42	29	24	4	0	0	90	81	69	60
140	23	5	0	0	66	74	55	43	24	4	0	0	84	72	53	38	25	5	1	0	87	75	57	45	14	1	0	0	95	91	83	76
180	15	3	0	0	91	84	71	61	15	1	0	0	91	82	68	57	15	3	0	0	92	84	71	61	9	1	0	0	98	96	92	88
220	8	1	0	0	95	89	80	71	7	1	0	0	94	88	78	69	10	2	0	0	94	88	79	72	5	0	0	0	99	98	95	93

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	10	1	0	0	94	89	80	72	6	0	0	0	97	93	88	82	1	0	0	0	99	97	94	92	2	0	0	0	99	98	96	94
100	2	0	0	0	99	97	94	92	0	0	0	0	99	98	96	94	0	0	0	0	100	99	98	98	0	0	0	0	100	99	99	98
140	0	0	0	0	99	99	97	95	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	98	0	0	0	0	100	99	99	98
180	0	0	0	0	99	99	98	97	0	0	0	0	99	99	98	97	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98
220	0	0	0	0	99	99	98	97	0	0	0	0	99	99	98	97	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	2	1	0	0	95	90	80	70	24	6	1	0	90	81	66	52	52	23	4	0	70	50	26	13	57	31	7	2	62	38	15	8
100	0	0	0	0	98	97	94	91	7	4	0	0	96	92	84	77	34	11	0	0	63	69	48	32	37	12	1	0	77	58	34	21
140	0	0	0	0	99	99	98	97	0	0	0	0	99	97	94	91	24	4	0	0	92	83	68	54	28	7	0	0	87	75	54	41
180	0	0	0	0	100	99	99	98	0	0	0	0	99	98	97	95	18	1	0	0	94	89	79	68	14	2	0	0	91	83	66	54
220	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97	4	0	0	0	97	94	88	82	2	1	0	0	95	89	78	69

TABLE A- 58. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	71	53	30	17	41	19	7	2	73	54	30	17	37	17	4	1	74	55	29	17	33	12	4	2	72	50	22	9	40	16	3	1
100	56	31	13	6	54	32	16	9	59	34	9	2	53	30	11	4	62	37	13	5	52	28	9	3	55	28	7	2	59	35	13	5
140	44	20	4	0	67	45	22	13	48	21	4	1	65	43	21	11	51	24	6	2	62	40	17	8	44	17	2	1	70	50	26	16
180	36	11	1	0	74	56	32	20	41	15	1	0	73	53	31	20	40	14	3	1	71	52	29	18	36	9	0	0	78	61	39	28
220	27	6	1	0	81	66	45	32	35	10	1	0	80	64	42	28	33	10	1	0	76	59	37	24	32	7	0	0	84	71	51	39

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	61	34	10	2	56	33	14	8	53	27	7	3	71	51	28	14	37	14	2	0	77	60	37	24	29	8	0	0	82	68	47	33
100	45	18	3	0	73	54	32	23	34	12	2	0	83	69	50	37	17	3	0	0	90	81	66	54	15	1	0	0	91	83	70	60
140	35	13	1	0	83	71	52	39	20	3	0	0	91	84	71	60	8	0	0	0	96	91	82	74	8	1	0	0	96	93	86	80
180	24	6	0	0	89	81	67	57	6	1	0	0	94	88	79	71	3	0	0	0	98	96	92	88	3	1	0	0	98	96	92	87
220	8	1	0	0	93	87	77	69	0	0	0	0	96	92	85	80	0	0	0	0	99	99	97	96	0	0	0	0	99	97	95	93

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	39	13	1	0	76	59	34	20	53	27	7	3	68	49	24	13	65	42	19	10	47	24	7	1	73	53	27	12	44	19	4	1
100	17	3	0	0	88	76	57	42	37	14	0	0	80	67	46	31	56	28	4	1	63	42	20	9	58	32	7	1	60	36	13	6
140	11	1	0	0	94	87	76	65	20	7	1	0	88	78	62	48	47	18	1	0	71	52	27	13	47	20	2	0	70	49	25	15
180	6	1	0	0	97	93	86	79	11	0	0	0	93	85	73	62	33	8	0	0	79	65	41	25	38	12	1	0	78	60	36	23
220	1	0	0	0	98	96	93	89	4	0	0	0	95	90	81	72	29	5	0	0	86	74	54	39	25	6	0	0	83	68	47	34

TABLE A- 59. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	30	10	0	0	37	14	1	0	39	18	3	0	19	3	0	0	48	22	5	0
50/120	9	1	0	0	43	19	4	1	24	6	1	0	27	6	0	0	24	5	1	0
50/180	2	0	0	0	49	24	6	1	17	1	0	0	28	8	1	0	11	1	0	0
150/ 60	0	0	0	0	64	42	22	12	12	0	0	0	54	31	13	5	19	4	1	0
150/120	0	0	0	0	82	68	46	32	8	0	0	0	73	53	31	18	4	1	0	0
150/180	0	0	0	0	93	87	75	64	5	0	0	0	81	67	47	32	2	0	0	0
250/ 60	0	0	0	0	64	42	22	12	0	0	0	0	59	37	17	8	0	0	0	0
250/120	0	0	0	0	82	68	46	32	0	0	0	0	81	65	45	31	0	0	0	0
250/180	0	0	0	0	93	87	75	64	0	0	0	0	91	83	69	57	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	52	24	5	1	0	0	0	0	41	17	3	0	0	0	0	0	29	8	0	0
50/120	29	8	0	0	0	0	0	0	14	4	0	0	0	0	0	0	3	0	0	0
50/180	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/ 60	39	14	1	0	19	4	0	0	34	12	1	0	9	2	0	0	23	7	0	0
150/120	16	2	0	0	31	11	1	0	13	2	0	0	16	4	0	0	7	0	0	0
150/180	5	0	0	0	36	15	2	1	0	0	0	0	18	6	0	0	0	0	0	0
250/ 60	22	5	0	0	36	18	3	0	19	4	0	0	37	12	2	1	8	0	0	0
250/120	6	0	0	0	52	31	9	1	9	0	0	0	45	21	5	2	0	0	0	0
250/180	0	0	0	0	58	38	14	4	0	0	0	0	49	25	7	3	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	15	3	0	0	0	0	0	0	32	11	0	0	6	0	0	0	28	8	0	0
50/120	3	0	0	0	2	0	0	0	6	0	0	0	7	1	0	0	11	0	0	0
50/180	0	0	0	0	2	0	0	0	0	0	0	0	7	1	0	0	3	0	0	0
150/ 60	7	1	0	0	31	13	2	1	13	2	0	0	62	39	21	13	0	0	0	0
150/120	1	0	0	0	41	21	7	3	0	0	0	0	71	51	33	26	0	0	0	0
150/180	0	0	0	0	43	23	7	3	0	0	0	0	76	61	46	42	0	0	0	0
250/ 60	0	0	0	0	85	73	52	37	0	0	0	0	80	65	44	31	0	0	0	0
250/120	0	0	0	0	97	93	87	81	0	0	0	0	93	86	76	65	0	0	0	0
250/180	0	0	0	0	99	99	97	96	0	0	0	0	98	95	90	86	0	0	0	0

TABLE A- 60. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DAYTON, OHIO

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	44	19	2	0	22	8	0	0	57	35	14	7	11	1	0	0	68	46	22	11
50/120	31	10	0	0	30	12	1	0	43	16	3	0	16	2	0	0	49	24	7	2
50/180	21	6	0	0	40	18	4	1	32	11	1	0	24	5	0	0	33	10	1	0
150/ 60	0	0	0	0	41	19	7	2	18	1	0	0	37	15	2	0	27	8	2	0
150/120	0	0	0	0	61	39	19	11	12	0	0	0	54	30	10	3	18	4	1	0
150/180	0	0	0	0	74	56	32	20	12	0	0	0	65	42	20	10	8	1	0	0
250/ 60	0	0	0	0	41	19	7	2	0	0	0	0	37	17	4	1	0	0	0	0
250/120	0	0	0	0	61	39	19	11	0	0	0	0	61	40	17	8	0	0	0	0
250/180	0	0	0	0	74	56	32	20	0	0	0	0	73	53	31	20	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	61	34	10	2	0	0	0	0	53	27	7	3	0	0	0	0	37	14	2	0
50/120	39	15	2	0	0	0	0	0	28	8	1	0	0	0	0	0	10	1	0	0
50/180	24	6	0	0	0	0	0	0	6	1	0	0	0	0	0	0	3	0	0	0
150/ 60	47	20	4	1	18	3	0	0	43	19	2	1	7	1	0	0	28	10	1	0
150/120	24	6	0	0	26	9	0	0	24	6	0	0	11	2	0	0	6	1	0	0
150/180	14	1	0	0	33	12	0	0	4	0	0	0	17	4	0	0	1	0	0	0
250/ 60	31	8	1	0	30	12	2	0	23	5	1	0	31	6	1	0	11	1	0	0
250/120	11	2	0	0	47	26	6	1	15	2	0	0	42	18	3	1	1	0	0	0
250/180	5	0	0	0	54	33	11	3	3	0	0	0	46	22	5	2	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	38	12	1	0	0	0	0	0	46	20	3	0	3	0	0	0	40	19	4	1
50/120	14	1	0	0	0	0	0	0	27	7	0	0	5	0	0	0	26	6	0	0
50/180	6	1	0	0	2	0	0	0	9	0	0	0	5	0	0	0	13	0	0	0
150/ 60	22	4	0	0	23	7	1	0	21	5	0	0	48	23	6	2	0	0	0	0
150/120	6	0	0	0	36	17	5	2	8	0	0	0	64	42	24	15	0	0	0	0
150/180	1	0	0	0	42	21	6	3	0	0	0	0	70	49	31	24	0	0	0	0
250/ 60	0	0	0	0	76	59	34	20	0	0	0	0	68	49	24	13	0	0	0	0
250/120	0	0	0	0	90	81	66	52	0	0	0	0	85	73	54	39	0	0	0	0
250/180	0	0	0	0	96	93	86	79	0	0	0	0	93	85	73	62	0	0	0	0

TABLE A- 61. PROBABILITY(X), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	63	30	16	6	37	9	3	0	75	49	34	24	25	4	0	0	89	74	63	56	11	0	0	0	96	91	86	82	4	0	0	0
120	5	1	1	0	95	86	79	71	52	21	9	3	48	16	6	2	65	31	14	8	35	6	1	0	76	49	32	22	24	2	0	0
180	0	0	0	0	100	100	100	100	1	0	0	0	99	95	89	83	44	12	4	2	56	21	7	2	60	30	16	9	40	9	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	6	0	0	0	94	84	75	66	46	14	5	2	54	18	5	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	8	3	1	1	92	80	69	60

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	99	97	95	93	1	0	0	0	100	99	99	98	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0
120	91	76	65	55	9	0	0	0	95	86	79	73	5	0	0	0	96	89	83	76	4	0	0	0	92	78	65	54	8	0	0	0
180	73	47	31	21	27	5	0	0	85	67	52	42	15	1	0	0	88	72	58	45	12	1	0	0	81	54	36	25	19	2	0	0
240	58	28	15	8	42	13	4	1	73	43	26	16	27	5	1	0	76	49	30	18	24	4	1	0	63	29	15	8	37	7	1	0
300	40	12	4	1	60	29	13	5	56	24	10	5	44	12	3	1	52	20	8	3	48	18	7	4	11	1	0	0	89	79	74	71

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	97	90	84	77	3	0	0	0	90	76	64	55	10	1	0	0	68	39	23	15	32	6	2	1	53	22	9	3	47	17	6	2
120	78	56	40	29	22	4	1	0	69	41	25	16	31	9	3	0	19	5	1	0	81	67	62	61	0	0	0	0	100	100	100	100
180	64	34	18	10	36	12	4	2	24	9	4	2	76	65	63	62	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	27	8	3	1	73	60	56	54	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 62. PROBABILITY(X), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	36	8	1	0	64	31	17	10	44	13	4	2	57	21	9	4	61	27	13	6	39	9	2	0	66	33	17	10	34	7	2	1
100	22	2	0	0	78	51	35	25	27	3	0	0	73	41	25	14	42	12	4	1	58	26	13	7	50	15	5	2	50	18	8	4
140	12	0	0	0	88	68	54	44	14	1	0	0	86	66	49	37	29	5	2	1	71	40	25	15	34	6	1	0	66	33	17	8
180	9	0	0	0	91	76	64	53	10	1	0	0	90	74	61	49	20	2	0	0	80	54	38	26	25	3	0	0	75	48	31	21
220	6	0	0	0	94	83	75	66	6	0	0	0	95	84	73	64	15	1	0	0	85	63	47	35	18	2	0	0	82	60	45	35

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	60	27	13	6	40	10	2	0	49	17	5	2	52	23	13	7	29	4	1	0	71	42	27	18	24	3	1	0	76	47	30	19
100	40	10	3	1	60	29	16	9	27	6	1	0	73	48	35	27	11	1	0	0	89	74	63	53	9	0	0	0	91	79	68	59
140	26	3	1	0	74	50	36	27	14	1	0	0	86	67	55	45	4	0	0	0	96	89	83	78	4	0	0	0	96	90	84	78
180	17	1	0	0	83	65	52	43	7	0	0	0	93	82	74	66	1	0	0	0	99	96	94	92	1	0	0	0	99	96	93	90
220	12	1	0	0	88	75	65	58	4	0	0	0	95	80	84	79	1	0	0	0	99	97	96	95	1	0	0	0	99	98	96	94

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	34	6	1	0	66	34	22	15	41	10	2	0	59	26	13	7	42	9	2	0	58	24	11	5	37	7	1	0	63	29	15	9
100	14	1	0	0	86	67	53	42	22	2	0	0	78	50	32	21	23	2	0	0	77	49	32	20	19	1	0	0	81	56	39	29
140	8	0	0	0	92	80	71	62	12	0	0	0	88	69	55	44	13	0	0	0	87	68	53	40	10	0	0	0	90	74	61	50
180	3	0	0	0	97	91	86	81	7	0	0	0	93	79	69	59	9	0	0	0	91	75	62	51	6	0	0	0	94	84	75	66
220	2	0	0	0	98	95	91	87	5	0	0	0	95	85	76	68	7	0	0	0	93	82	72	63	4	0	0	0	96	88	80	73

TABLE A- 63. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	49	20	6	3	51	21	9	4	48	16	6	1	52	22	8	4	45	17	6	3	55	26	13	6	41	12	3	1	59	31	17	11
100	29	4	1	0	71	42	27	16	27	3	0	0	73	44	25	14	27	5	1	1	73	46	29	18	24	3	0	0	76	52	37	27
140	19	1	0	0	81	58	42	31	16	1	0	0	84	65	49	37	14	1	0	0	86	67	52	40	13	1	0	0	87	70	59	51
180	13	0	0	0	87	68	55	44	10	1	0	0	90	77	65	55	10	0	0	0	90	75	63	53	8	0	0	0	92	81	72	66
220	10	0	0	0	90	76	66	56	7	0	0	0	94	85	78	72	6	0	0	0	94	84	75	67	4	0	0	0	96	88	82	77

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	15	2	0	0	85	68	57	49	7	1	0	0	93	84	75	68	3	0	0	0	97	93	89	85	2	0	0	0	98	93	87	83
100	6	0	0	0	94	87	82	77	2	0	0	0	98	95	92	89	0	0	0	0	100	99	98	97	0	0	0	0	100	98	97	96
140	3	0	0	0	97	93	90	87	1	0	0	0	99	97	95	93	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98
180	1	0	0	0	99	97	95	94	0	0	0	0	100	99	98	97	0	0	0	0	100	100	100	99	0	0	0	0	100	99	99	98
220	1	0	0	0	99	98	98	97	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	9	0	0	0	91	78	67	58	22	3	0	0	78	51	37	26	40	12	3	1	60	32	17	9	46	15	6	3	55	24	11	6
100	1	0	0	0	99	96	93	89	10	1	0	0	90	74	62	52	22	3	0	0	78	56	40	29	26	5	1	0	74	51	35	25
140	0	0	0	0	100	99	99	98	4	0	0	0	96	85	76	67	14	1	0	0	86	70	55	43	16	1	0	0	84	65	50	39
180	0	0	0	0	100	100	99	99	2	0	0	0	98	91	85	78	9	0	0	0	91	79	67	56	9	0	0	0	91	76	65	57
220	0	0	0	0	100	100	99	99	1	0	0	0	99	93	88	81	7	0	0	0	93	82	71	62	6	0	0	0	94	84	74	66

TABLE A- 64. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	70	44	29	21	30	7	3	1	71	43	26	16	29	6	1	0	77	53	37	27	23	3	1	0	82	59	44	32	18	3	1	0
100	52	21	8	3	48	19	10	5	54	21	10	5	46	15	5	2	63	31	16	8	38	9	3	0	66	34	18	10	34	9	4	1
140	38	9	1	0	62	31	19	11	40	9	3	1	60	27	13	7	51	19	8	3	49	17	6	2	54	21	8	4	46	17	7	3
180	27	4	0	0	73	44	30	20	31	4	1	0	69	38	21	12	39	11	3	1	61	29	15	8	43	11	3	1	57	24	12	7
220	21	2	0	0	79	54	38	26	24	3	1	0	76	48	29	17	30	6	1	1	70	41	25	15	34	7	1	0	66	34	18	11

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	71	40	23	14	29	6	1	0	61	31	15	6	39	12	5	3	41	12	4	1	59	29	14	7	39	9	2	0	61	27	12	4
100	52	19	8	3	48	19	8	3	37	12	4	1	63	36	23	15	19	2	0	0	81	58	44	34	17	2	0	0	63	62	46	33
140	37	9	3	1	63	34	21	14	23	4	1	0	77	55	41	31	10	0	0	0	90	76	65	55	8	0	0	0	92	81	71	63
180	26	4	1	0	74	51	38	29	14	1	0	0	86	70	58	49	3	0	0	0	97	90	84	79	4	0	0	0	96	89	84	78
220	18	2	0	0	82	62	49	40	8	1	0	0	92	80	70	62	2	0	0	0	98	95	93	92	2	0	0	0	98	95	92	89

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	50	17	6	2	50	18	9	5	59	23	9	4	41	10	4	1	69	37	20	12	31	7	2	1	67	36	19	10	33	9	3	1
100	27	4	1	0	73	45	30	20	39	10	2	0	61	27	14	9	49	16	5	1	51	18	7	3	49	16	7	4	51	19	7	3
140	14	1	0	0	86	66	53	44	26	3	0	0	74	44	28	19	35	7	1	0	65	34	17	10	35	8	2	1	65	35	19	12
180	8	1	0	0	92	79	69	60	18	2	0	0	82	57	40	29	24	2	0	0	76	50	31	19	27	4	1	0	73	45	27	18
220	5	0	0	0	95	87	79	72	13	1	0	0	87	68	53	40	19	2	0	0	81	58	41	29	19	2	0	0	81	59	44	34

TABLE A- 65. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL										
	.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH							
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7			
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7				
50/ 60	: 26	4	0	0	: 22	3	0	0	: 37	8	3	2	: 9	0	0	0	: 56	22	9	5	: 2	0	0	0	: 64	31	15	8	: 0	0	0	0
50/120	: 12	0	0	0	: 28	5	1	0	: 16	1	0	0	: 13	1	0	0	: 31	5	1	0	: 4	0	0	0	: 41	10	2	1	: 1	0	0	0
50/180	: 6	0	0	0	: 29	5	1	0	: 8	0	0	0	: 14	1	0	0	: 18	1	0	0	: 4	0	0	0	: 24	3	0	0	: 1	0	0	0
150/ 60	: 0	0	0	0	: 64	31	17	10	: 12	2	0	0	: 42	14	5	3	: 32	6	1	0	: 15	2	0	0	: 41	13	4	2	: 8	0	0	0
150/120	: 0	0	0	0	: 84	60	46	35	: 5	0	0	0	: 60	29	17	11	: 17	1	0	0	: 27	5	1	0	: 28	5	1	0	: 18	1	0	0
150/180	: 0	0	0	0	: 91	76	64	53	: 2	0	0	0	: 67	39	25	17	: 9	0	0	0	: 33	7	2	0	: 17	1	0	0	: 25	4	0	0
250/ 60	: 0	0	0	0	: 64	31	17	10	: 0	0	0	0	: 57	21	9	4	: 1	0	0	0	: 37	8	2	0	: 25	4	1	0	: 16	1	0	0
250/120	: 0	0	0	0	: 84	60	46	35	: 0	0	0	0	: 82	57	39	27	: 0	0	0	0	: 63	31	16	9	: 17	1	0	0	: 32	6	1	0
250/180	: 0	0	0	0	: 91	76	64	53	: 0	0	0	0	: 90	74	61	49	: 0	0	0	0	: 77	49	33	21	: 10	0	0	0	: 42	11	3	1

THRESHOLD	MAY							JUNE							JULY							AUGUST										
	.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH							
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7			
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7				
50/ 60	: 60	27	13	6	: 0	0	0	0	: 49	17	5	2	: 0	0	0	0	: 29	4	1	0	: 0	0	0	0	: 24	3	1	0	: 0	0	0	0
50/120	: 32	7	2	0	: 0	0	0	0	: 19	2	0	0	: 0	0	0	0	: 8	0	0	0	: 0	0	0	0	: 6	0	0	0	: 0	0	0	0
50/180	: 17	1	0	0	: 0	0	0	0	: 7	0	0	0	: 0	0	0	0	: 1	0	0	0	: 0	0	0	0	: 1	0	0	0	: 0	0	0	0
150/ 60	: 49	18	7	2	: 9	0	0	0	: 44	14	4	1	: 6	0	0	0	: 27	3	0	0	: 5	0	0	0	: 22	2	0	0	: 11	1	0	0
150/120	: 26	4	1	0	: 14	2	0	0	: 17	2	0	0	: 9	0	0	0	: 7	0	0	0	: 7	0	0	0	: 5	0	0	0	: 13	1	0	0
150/180	: 14	1	0	0	: 19	3	0	0	: 7	0	0	0	: 10	0	0	0	: 1	0	0	0	: 8	1	0	0	: 1	0	0	0	: 14	1	0	0
250/ 60	: 33	7	2	1	: 17	1	0	0	: 35	7	1	0	: 15	2	0	0	: 21	2	0	0	: 21	3	0	0	: 15	1	0	0	: 31	6	1	0
250/120	: 18	2	0	0	: 30	6	1	0	: 13	1	0	0	: 23	3	0	0	: 5	0	0	0	: 26	5	1	0	: 3	0	0	0	: 38	9	2	0
250/180	: 10	0	0	0	: 38	11	2	0	: 5	0	0	0	: 27	4	1	0	: 1	0	0	0	: 29	5	1	0	: 1	0	0	0	: 40	10	2	0

THRESHOLD	SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER										
	.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH							
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7			
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7				
50/ 60	: 33	6	1	0	: 1	0	0	0	: 39	8	2	0	: 4	0	0	0	: 31	5	1	0	: 14	2	1	0	: 24	2	0	0	: 25	4	2	1
50/120	: 10	0	0	0	: 1	0	0	0	: 16	1	0	0	: 5	0	0	0	: 13	1	0	0	: 21	3	1	0	: 9	1	0	0	: 34	9	3	1
50/180	: 3	0	0	0	: 1	0	0	0	: 7	0	0	0	: 5	0	0	0	: 7	0	0	0	: 22	3	1	0	: 4	0	0	0	: 38	11	4	1
150/ 60	: 25	3	0	0	: 20	3	1	0	: 24	3	1	0	: 27	5	2	1	: 0	0	0	0	: 58	24	11	5	: 0	0	0	0	: 63	29	15	9
150/120	: 8	0	0	0	: 27	6	1	0	: 10	0	0	0	: 37	14	8	5	: 0	0	0	0	: 84	61	44	31	: 0	0	0	0	: 87	66	50	39
150/180	: 2	0	0	0	: 28	6	1	0	: 3	0	0	0	: 41	18	13	10	: 0	0	0	0	: 91	75	62	51	: 0	0	0	0	: 94	84	75	66
250/ 60	: 5	0	0	0	: 54	22	13	9	: 0	0	0	0	: 59	26	13	7	: 0	0	0	0	: 58	24	11	5	: 0	0	0	0	: 63	29	15	9
250/120	: 2	0	0	0	: 75	34	44	35	: 0	0	0	0	: 83	59	42	30	: 0	0	0	0	: 84	61	44	31	: 0	0	0	0	: 87	66	50	39
250/180	: 0	0	0	0	: 60	64	58	53	: 0	0	0	0	: 93	79	69	59	: 0	0	0	0	: 91	75	62	51	: 0	0	0	0	: 94	84	75	66

TABLE A- 66. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DES MOINES, IOWA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL										
	.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH							
	DAYS	1	3	5	7	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7	DAYS	1	3	5	7			
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7				
50/ 60	: 50	19	8	4	: 12	1	0	0	: 59	25	11	6	: 3	0	0	0	: 71	42	27	18	: 1	0	0	0	: 80	56	40	28	: 0	0	0	0
50/120	: 29	6	1	1	: 18	2	0	0	: 39	8	3	1	: 7	0	0	0	: 51	17	6	2	: 2	0	0	0	: 58	25	11	5	: 0	0	0	0
50/180	: 19	2	0	0	: 23	4	1	0	: 26	3	0	0	: 10	0	0	0	: 36	7	1	0	: 3	0	0	0	: 42	11	2	0	: 1	0	0	0
150/ 60	: 0	0	0	0	: 30	7	3	1	: 18	3	1	0	: 20	4	1	0	: 42	11	4	2	: 9	0	0	0	: 52	21	9	4	: 2	0	0	0
150/120	: 0	0	0	0	: 57	25	13	7	: 11	1	0	0	: 38	11	5	3	: 28	4	0	0	: 17	2	0	0	: 37	9	2	1	: 9	0	0	0
150/180	: 0	0	0	0	: 73	44	30	20	: 7	0	0	0	: 50	19	9	5	: 18	2	0	0	: 23	5	1	0	: 27	4	1	0	: 16	1	0	0
250/ 60	: 0	0	0	0	: 30	7	3	1	: 0	0	0	0	: 29	6	1	0	: 1	0	0	0	: 22	3	1	0	: 32	6	1	0	: 7	0	0	0
250/120	: 0	0	0	0	: 57	25	13	7	: 0	0	0	0	: 53	20	9	5	: 1	0	0	0	: 42	13	5	2	: 22	2	0	0	: 19	2	0	0
250/180	: 0	0	0	0	: 73	44	30	20	: 0	0	0	0	: 69	38	21	12	: 0	0	0	0	: 58	28	14	8	: 16	1	0	0	: 29	5	0	0

THRESHOLD	MAY							JUNE							JULY							AUGUST						
	.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH				.GE. THRESH			.LT. THRESH										

TABLE A- 67. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
120	67	46	25	12	42	20	6	1	80	64	44	30	35	13	1	0	91	83	70	61
180	0	0	0	0	100	100	100	100	16	6	0	0	98	96	91	84	52	25	8	3
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	14	2	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0
	MAY				JUNE				JULY				AUGUST							
60	99	98	96	94	2	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99
120	91	84	71	60	10	1	0	0	95	90	82	76	6	0	0	0	96	93	86	79
180	79	64	42	27	43	17	1	0	87	77	60	48	23	6	0	0	90	81	65	50
240	66	46	24	13	54	31	8	1	76	58	34	20	37	16	3	0	79	62	38	22
300	51	28	8	2	68	48	20	8	61	41	18	8	49	24	7	2	59	34	12	4
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
60	96	93	86	79	2	0	0	0	91	83	70	60	15	6	2	0	73	56	32	20
120	82	69	48	35	32	15	3	0	74	56	32	20	49	25	7	1	39	19	2	0
180	72	51	26	14	48	27	9	4	52	31	11	4	91	86	82	81	0	0	0	0
240	50	25	9	3	87	81	76	75	0	0	0	0	100	100	100	100	0	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0

TABLE A- 68. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
100	42	18	2	0	65	45	24	13	46	24	7	4	58	34	12	5	65	42	19	9
140	27	7	0	0	78	63	43	29	29	8	1	0	73	54	31	18	47	23	7	2
180	10	2	0	0	87	76	60	48	16	4	0	0	87	75	55	40	34	11	4	2
220	5	1	0	0	91	82	69	56	10	3	0	0	90	81	66	53	26	6	1	0
	3	0	0	0	94	88	79	71	7	2	0	0	94	88	77	67	18	3	0	0
	MAY				JUNE				JULY				AUGUST							
60	64	42	20	10	45	23	4	0	59	33	9	3	59	40	20	10	35	10	1	0
100	49	23	7	2	68	47	24	14	37	17	3	0	78	63	45	33	19	4	0	0
140	38	11	1	0	80	65	46	34	18	2	0	0	87	76	62	50	8	1	0	0
180	29	5	1	0	87	76	60	49	7	1	0	0	94	88	78	69	2	0	0	0
220	25	4	1	0	91	84	72	64	2	0	0	0	97	93	87	81	2	0	0	0
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
60	36	14	3	0	67	48	29	19	47	20	4	1	63	39	19	10	46	20	4	1
100	15	3	0	0	86	76	60	47	27	10	0	0	79	63	39	25	30	6	0	0
140	8	2	0	0	93	86	76	65	16	2	0	0	88	77	61	48	16	1	0	0
180	0	0	0	0	97	94	88	83	11	1	0	0	92	85	73	62	7	1	0	0
220	0	0	0	0	98	96	92	88	10	0	0	0	95	89	79	70	7	0	0	0

TABLE A- 69. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	62	37	14	5	59	37	15	7	56	28	10	2	61	38	13	5	60	33	11	5	66	44	21	8	53	24	4	1	69	49	25	15
100	44	13	2	0	75	56	35	20	34	10	1	0	78	59	32	17	38	14	3	2	78	60	37	23	34	9	0	0	81	66	46	32
140	29	5	0	0	83	70	50	36	28	4	0	0	88	76	56	42	27	4	0	0	88	77	59	45	19	4	0	0	89	79	66	56
180	21	1	0	0	87	78	62	50	22	3	0	0	93	85	71	60	24	2	0	0	91	83	69	58	13	1	0	0	93	86	77	69
220	13	0	0	0	91	83	72	61	21	2	0	0	95	90	82	76	18	0	0	0	94	89	79	71	7	1	0	0	96	92	85	80

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	29	6	1	0	89	79	66	56	13	4	0	0	95	89	79	72	4	0	0	0	97	95	91	86	2	0	0	0	97	95	89	84
100	14	2	0	0	96	92	87	81	6	0	0	0	98	97	94	91	0	0	0	0	100	99	98	97	0	0	0	0	99	99	98	97
140	11	0	0	0	98	96	92	89	3	0	0	0	99	98	96	94	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98
180	6	0	0	0	99	98	97	95	0	0	0	0	100	99	98	97	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98
220	0	0	0	0	100	99	98	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	12	1	0	0	91	84	71	61	38	9	0	0	79	63	44	31	56	29	8	3	71	52	26	13	55	29	11	5	63	40	17	10
100	4	0	0	0	98	97	94	89	23	5	0	0	91	82	67	56	44	13	0	0	84	71	50	35	38	13	1	0	79	65	43	31
140	0	0	0	0	100	99	99	98	10	1	0	0	94	89	79	69	28	7	0	0	90	80	62	49	25	4	1	0	86	75	57	44
180	0	0	0	0	100	100	99	99	7	0	0	0	96	93	86	79	23	2	0	0	93	86	72	60	13	1	0	0	91	83	70	60
220	0	0	0	0	100	100	99	99	4	0	0	0	97	94	89	82	16	1	0	0	94	88	76	65	10	0	0	0	94	88	78	69

TABLE A- 70. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	76	59	37	26	39	18	6	2	75	56	32	19	37	14	2	1	81	66	45	32	29	10	2	0	84	71	51	37	25	8	2	0
100	61	37	13	5	56	34	16	8	59	35	14	6	52	28	9	3	68	47	22	11	42	20	5	1	70	48	24	13	45	20	7	3
140	49	22	2	0	66	47	27	15	44	18	5	1	63	41	19	10	57	32	12	5	53	30	10	3	61	35	13	5	56	31	11	4
180	39	12	1	0	75	58	38	26	37	10	2	0	72	52	28	16	48	22	6	2	65	45	22	11	49	21	4	1	62	39	17	9
220	33	6	1	0	81	67	46	33	32	7	1	0	79	61	35	20	43	18	4	2	74	56	32	18	39	15	2	0	71	50	25	14

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	74	55	31	18	35	14	2	0	68	46	21	9	46	25	9	5	47	22	6	2	64	44	21	10	49	21	3	0	66	43	19	7
100	59	33	13	5	58	36	14	6	48	26	9	3	70	53	32	21	26	8	0	0	83	69	51	39	22	7	1	0	85	73	53	38
140	48	21	5	2	71	52	30	20	34	14	1	0	82	69	49	36	14	3	0	0	92	84	70	60	13	2	0	0	93	87	75	67
180	39	11	1	0	80	66	48	36	23	5	0	0	89	80	66	55	3	0	0	0	96	93	87	81	5	0	0	0	96	92	86	80
220	33	5	1	0	86	74	58	46	12	4	0	0	93	87	75	66	4	0	0	0	98	97	95	93	1	0	0	0	98	97	93	90

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	53	30	11	4	52	30	14	8	63	37	13	5	44	20	7	3	72	52	27	16	36	17	5	1	72	51	25	13	41	20	7	3
100	31	9	2	0	75	58	37	24	47	22	5	0	63	41	20	12	57	31	9	2	56	35	12	5	54	28	10	5	54	32	11	5
140	20	3	0	0	87	76	60	48	37	11	1	0	76	57	35	22	47	20	2	0	70	52	26	15	42	20	5	1	69	50	26	17
180	11	3	0	0	92	85	74	64	28	6	0	0	82	68	47	33	37	9	0	0	80	64	40	24	35	12	2	0	76	59	35	23
220	4	0	0	0	95	91	83	74	22	4	0	0	88	77	59	44	33	8	0	0	85	71	50	35	28	7	1	0	84	71	52	39

TABLE A- 71. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/ 60	:	32	13	1	0	:	23	8	1	0	:	36	16	6	4	:	11	2	0	0	:	59	36	14	7	:	0	0	0	0	:	67	45	20	10	:	0	0	0	0
50/120	:	12	1	0	0	:	31	13	2	0	:	20	4	0	0	:	15	3	0	0	:	34	11	3	1	:	2	0	0	0	:	43	19	4	1	:	0	0	0	0
50/180	:	3	0	0	0	:	33	13	2	0	:	11	3	0	0	:	16	3	0	0	:	21	4	0	0	:	3	0	0	0	:	29	7	0	0	:	0	0	0	0
150/ 60	:	0	0	0	0	:	65	45	24	13	:	19	7	2	0	:	49	27	9	4	:	32	14	3	0	:	27	10	0	0	:	48	27	7	3	:	20	1	0	0
150/120	:	0	0	0	0	:	83	70	53	39	:	9	1	0	0	:	66	46	26	16	:	17	5	1	0	:	34	14	2	0	:	32	13	1	1	:	26	6	0	0
150/180	:	0	0	0	0	:	91	82	69	56	:	2	0	0	0	:	74	57	36	24	:	7	3	0	0	:	40	18	3	0	:	21	4	0	0	:	34	13	1	0
250/ 60	:	0	0	0	0	:	65	45	24	13	:	0	0	0	0	:	58	34	12	5	:	2	0	0	0	:	40	19	4	0	:	35	12	2	0	:	30	4	0	0
250/120	:	0	0	0	0	:	83	70	53	39	:	0	0	0	0	:	83	68	46	31	:	0	0	0	0	:	65	45	22	11	:	20	3	0	0	:	40	15	1	0
250/180	:	0	0	0	0	:	91	82	69	56	:	0	0	0	0	:	90	81	66	53	:	0	0	0	0	:	78	62	41	25	:	10	1	0	0	:	49	23	6	1

		MAY				JUNE				JULY				AUGUST																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/ 60	:	64	42	20	10	:	0	0	0	0	:	59	33	9	3	:	0	0	0	0	:	35	10	1	0	:	0	0	0	0	:	29	9	2	0	:	0	0	0	0
50/120	:	46	18	4	1	:	0	0	0	0	:	27	7	0	0	:	0	0	0	0	:	14	4	0	0	:	0	0	0	0	:	8	1	0	0	:	0	0	0	0
50/180	:	29	5	1	0	:	0	0	0	0	:	7	1	0	0	:	0	0	0	0	:	2	0	0	0	:	0	0	0	0	:	1	0	0	0	:	0	0	0	0
150/ 60	:	57	33	12	4	:	13	2	0	0	:	54	29	7	2	:	6	1	0	0	:	33	9	0	0	:	12	2	0	0	:	26	8	1	0	:	16	4	1	0
150/120	:	36	11	2	0	:	30	10	0	0	:	24	6	0	0	:	13	1	0	0	:	13	3	0	0	:	14	4	0	0	:	8	1	0	0	:	19	4	1	0
150/180	:	24	2	0	0	:	36	16	0	0	:	7	1	0	0	:	15	1	0	0	:	2	0	0	0	:	15	5	0	0	:	1	0	0	0	:	19	4	1	0
250/ 60	:	42	19	5	1	:	22	5	1	0	:	45	18	2	0	:	23	8	0	0	:	24	6	0	0	:	35	9	0	0	:	18	3	0	0	:	37	16	3	0
250/120	:	31	8	0	0	:	42	18	3	0	:	18	4	0	0	:	30	8	1	0	:	13	3	0	0	:	38	13	2	0	:	9	1	0	0	:	45	22	5	1
250/180	:	20	0	0	0	:	50	26	4	1	:	3	0	0	0	:	33	12	2	0	:	2	0	0	0	:	39	15	2	0	:	1	0	0	0	:	47	22	5	1

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/ 60	:	36	13	2	0	:	0	0	0	0	:	44	17	4	1	:	2	0	0	0	:	38	12	1	0	:	22	7	3	0	:	24	7	1	0	:	32	12	5	2
50/120	:	12	2	0	0	:	0	0	0	0	:	16	3	0	0	:	4	0	0	0	:	13	2	0	0	:	29	12	3	1	:	10	4	1	0	:	46	22	7	2
50/180	:	0	0	0	0	:	0	0	0	0	:	11	1	0	0	:	4	0	0	0	:	5	1	0	0	:	31	12	3	1	:	4	0	0	0	:	51	27	8	2
150/ 60	:	28	9	1	0	:	32	11	2	0	:	32	12	2	0	:	38	15	7	3	:	0	0	0	0	:	61	40	17	8	:	0	0	0	0	:	63	42	21	13
150/120	:	9	1	0	0	:	37	16	2	0	:	9	0	0	0	:	52	32	19	12	:	0	0	0	0	:	85	72	52	36	:	0	0	0	0	:	87	76	56	44
150/180	:	0	0	0	0	:	36	17	2	0	:	6	0	0	0	:	59	42	31	25	:	0	0	0	0	:	91	82	68	55	:	0	0	0	0	:	94	89	78	70
250/ 60	:	9	3	0	0	:	60	39	21	14	:	0	0	0	0	:	63	39	19	10	:	0	0	0	0	:	61	40	17	8	:	0	0	0	0	:	63	42	21	13
250/120	:	2	0	0	0	:	83	72	58	47	:	0	0	0	0	:	83	69	48	33	:	0	0	0	0	:	85	72	52	36	:	0	0	0	0	:	87	76	56	44
250/180	:	0	0	0	0	:	88	81	73	67	:	0	0	0	0	:	92	85	73	62	:	0	0	0	0	:	91	82	68	55	:	0	0	0	0	:	94	89	78	70

TABLE A- 72. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DES MOINES, IOWA

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/ 60	:	60	36	14	7	:	15	5	1	0	:	60	38	16	9	:	5	1	0	0	:	74	55	34	22	:	0	0	0	0	:	83	69	48	33	:	0	0	0	0
50/120	:	37	18	4	2	:	22	8	1	0	:	39	15	4	2	:	12	2	0	0	:	53	29	9	3	:	1	0	0	0	:	65	40	15	6	:	0	0	0	0
50/180	:	24	7	0	0	:	25	10	2	0	:	31	8	1	0	:	13	2	0	0	:	41	17	3	1	:	1	0	0	0	:	48	21	4	1	:	0	0	0	0
150/ 60	:	0	0	0	0	:	39	18	6	2	:	27	10	2	0	:	31	11	2	0	:	44	23	8	3	:	16	3	0	0	:	59	37	14	5	:	5	0	0	0
150/120	:	0	0	0	0	:	61	41	20	11	:	18	6	1	0	:	46	24	8	4	:	26	11	1	0	:	27	11	1	0	:	44	21	3	1	:	16	2	0	0
150/180	:	0	0	0	0	:	75	58	38	26	:	11	2	0	0	:	58	35	15	7	:	19	7	1	0	:	35	16	3	0	:	31	12	1	0	:	22	4	0	0
250/ 60	:	0	0	0	0	:	39	18	6	2	:	0	0	0	0	:	37	14	2	1	:	4	0	0	0	:	28	10	2	0	:	40	18	3	0	:	11	1	0	0
250/120	:	0	0	0	0	:	61	41	20	11	:	0	0	0	0	:	57	33	13	7	:	0	0	0	0	:	48	27	8	2	:	30	8	0	0	:	30	8	1	0
250/180	:	0	0	0	0	:	75	58	38	26	:	0	0	0	0	:	72	52	28	16	:	0	0	0	0	:	63	44	21	11	:	17	3	0	0	:	37	12	1	0

		MAY				JUNE				JULY				AUGUST																
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH														
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS														
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7													
50/ 60	:	74	55	31	18	:	0	0	0	0	:	68	46	21	9	:	0	0	0	0	:	47	22	6	2	:	0	0	0	0

TABLE A- 73. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	86	67	54	43	14	2	1	0	90	77	66	55	10	2	0	0	91	79	70	63	9	1	0	0	96	89	82	76	4	0	0	0
120	34	11	5	2	66	38	23	16	74	48	32	21	26	5	1	0	80	58	44	34	20	4	1	0	88	70	54	43	12	1	0	0
180	0	0	0	0	100	100	100	100	24	8	2	1	76	55	43	35	64	33	18	11	36	8	2	0	79	52	36	25	21	3	0	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	22	7	1	0	78	58	46	36	64	34	18	10	36	8	3	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	97	28	6	2	0	72	45	27	17

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	97	93	89	86	3	0	0	0	99	99	98	98	1	0	0	0	100	99	99	98	0	0	0	0	99	97	95	92	1	0	0	0
120	90	77	67	59	10	1	0	0	97	94	90	87	3	0	0	0	98	93	90	86	2	0	0	0	95	87	79	73	5	0	0	0
180	83	63	48	37	17	2	0	0	92	83	74	67	8	1	0	0	94	84	75	67	6	0	0	0	88	70	57	47	12	1	0	0
240	72	46	31	20	28	7	2	0	85	69	57	47	15	2	0	0	85	64	48	35	15	1	0	0	76	52	35	22	24	5	1	0
300	56	28	15	6	44	17	7	2	69	41	26	16	31	8	3	1	66	35	18	9	34	8	3	0	33	11	3	1	67	45	36	31

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	95	86	77	70	5	0	0	0	91	79	68	58	9	1	0	0	85	67	55	46	15	3	1	0	78	51	33	21	22	3	1	0
120	88	73	61	52	12	1	0	0	81	61	48	38	19	5	2	1	60	30	16	8	40	15	6	4	3	0	0	0	97	94	92	90
180	77	54	41	31	23	4	1	0	52	29	17	11	48	31	27	26	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	55	27	13	6	45	22	14	10	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 74. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	35	5	1	0	65	29	13	6	46	11	3	1	54	17	6	2	61	27	14	7	39	8	2	0	66	34	17	9	34	7	1	0
140	19	1	0	0	81	53	33	20	28	3	1	0	72	40	23	13	42	10	3	1	58	22	9	5	47	13	3	1	53	22	11	5
200	9	0	0	0	91	74	60	48	16	1	0	0	84	60	44	33	28	4	1	0	72	40	23	13	34	6	1	0	66	34	19	11
260	5	0	0	0	94	83	73	65	10	0	0	0	90	72	58	48	20	2	0	0	80	55	38	26	25	3	0	0	75	48	33	23
320	3	0	0	0	97	90	84	78	7	0	0	0	93	81	71	64	14	1	0	0	86	65	49	38	18	1	0	0	82	59	45	35

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	64	26	10	4	36	5	1	0	62	30	14	7	38	9	3	1	51	19	8	3	49	18	8	4	46	16	6	3	54	23	11	6
140	43	11	3	0	57	22	10	5	40	12	3	1	60	30	17	11	27	6	1	0	73	48	33	23	23	5	2	1	77	53	36	26
200	25	4	0	0	75	49	35	25	24	4	1	0	76	51	35	25	14	2	1	0	86	71	60	54	9	0	0	0	91	78	66	55
260	17	1	0	0	83	63	49	39	14	2	0	0	86	69	56	45	6	0	0	0	94	86	80	75	3	0	0	0	97	90	83	77
320	11	1	0	0	89	75	64	55	9	1	0	0	91	78	69	61	3	0	0	0	97	92	89	85	1	0	0	0	99	96	93	89

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	53	17	7	3	47	13	4	2	45	12	3	1	55	20	7	3	44	10	2	0	56	22	10	4	32	2	0	0	68	30	13	7
140	30	5	1	0	70	40	23	13	25	3	0	0	75	44	25	14	28	2	0	0	72	40	25	14	16	1	0	0	84	59	42	31
200	16	1	0	0	84	64	50	40	13	1	0	0	87	67	51	39	15	0	0	0	85	63	47	36	7	0	0	0	93	79	67	55
260	8	0	0	0	92	79	69	60	7	0	0	0	93	81	71	62	10	0	0	0	91	74	63	53	4	0	0	0	96	86	78	69
320	4	0	0	0	96	88	81	76	4	0	0	0	96	89	83	77	6	0	0	0	94	83	74	66	2	0	0	0	98	92	86	81

TABLE A- 75. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	53	18	6	2	47	14	5	2	49	15	5	2	51	18	8	3	54	21	9	4	46	16	5	2	56	24	9	3	44	16	7	2
140	29	5	0	0	71	40	22	13	25	4	1	0	75	50	33	22	28	5	1	0	72	45	27	17	31	7	2	1	69	40	24	16
200	15	1	0	0	85	63	48	38	15	2	0	0	85	67	52	41	18	1	0	0	82	59	40	27	19	1	0	0	81	57	43	32
260	10	0	0	0	90	75	64	55	9	1	0	0	91	79	69	59	11	1	0	0	89	74	59	48	11	0	0	0	89	73	62	52
320	7	0	0	0	93	82	73	65	7	1	0	0	93	84	75	67	7	0	0	0	93	82	73	64	5	0	0	0	95	85	78	70
	MAY				JUNE				JULY				AUGUST																			
80	41	14	4	1	59	30	16	10	38	12	4	2	62	32	17	10	19	3	0	0	82	63	51	41	19	4	1	0	81	59	42	30
140	19	2	0	0	81	59	44	34	14	2	0	0	86	70	59	50	5	0	0	0	95	86	79	74	4	0	0	0	96	89	81	75
200	7	0	0	0	93	84	76	71	5	0	0	0	95	87	79	72	1	0	0	0	99	97	95	93	0	0	0	0	100	99	97	96
260	3	0	0	0	97	92	88	85	3	0	0	0	97	93	89	85	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99
320	2	0	0	0	98	95	93	91	1	0	0	0	99	97	96	94	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	35	11	4	1	65	37	22	13	43	15	5	1	57	29	15	8	45	15	5	2	55	25	11	5	54	21	6	1	46	15	5	2
140	12	1	0	0	88	73	60	50	20	3	0	0	81	59	43	31	22	3	0	0	78	54	38	27	28	4	1	0	72	40	23	14
200	4	0	0	0	96	89	83	77	10	0	0	0	91	77	66	58	11	0	0	0	89	73	60	49	17	2	0	0	83	63	46	37
260	2	0	0	0	98	95	91	87	4	0	0	0	96	89	82	76	6	0	0	0	95	86	78	70	11	1	0	0	89	74	62	52
320	1	0	0	0	99	97	96	94	2	0	0	0	98	93	89	85	3	0	0	0	97	91	85	79	7	1	0	0	93	83	74	66

TABLE A- 76. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	76	45	28	17	24	3	1	0	78	53	38	27	22	3	0	0	84	63	49	39	16	2	0	0	85	65	49	36	15	2	0	0
140	51	17	5	1	49	14	4	1	55	19	8	2	45	11	2	0	67	35	21	14	33	6	1	0	70	39	21	10	30	7	2	0
200	36	7	1	0	64	29	14	7	40	8	2	0	60	27	12	6	51	17	6	3	49	15	5	2	56	23	9	4	44	15	6	2
260	25	3	0	0	75	45	27	17	30	5	0	0	70	40	24	15	39	10	3	1	61	27	13	7	45	14	4	1	55	24	12	7
320	18	2	0	0	82	57	40	28	21	3	0	0	79	54	37	25	30	4	0	0	70	38	20	10	36	8	1	0	64	33	19	11
	MAY				JUNE				JULY				AUGUST																			
80	83	59	43	30	17	1	0	0	81	59	42	30	19	3	0	0	70	40	23	13	30	7	2	1	66	37	22	14	34	9	3	2
140	62	26	10	3	38	8	2	1	62	32	16	8	38	11	4	1	46	16	6	2	54	25	12	6	42	15	6	3	58	27	13	7
200	49	15	4	0	51	19	8	4	45	15	5	3	55	24	12	6	28	7	2	0	72	46	31	22	24	6	2	1	76	52	36	25
260	34	6	1	0	66	36	22	14	32	9	3	2	68	41	27	18	17	3	1	0	83	65	53	45	13	2	0	0	87	70	56	45
320	26	4	0	0	74	48	33	22	21	3	0	0	79	57	42	32	10	1	0	0	90	79	72	67	6	0	0	0	94	84	74	66
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	71	41	22	13	29	6	1	0	71	40	23	13	29	4	0	0	75	45	28	16	26	4	1	0	73	42	23	13	27	3	0	0
140	52	19	7	2	48	16	6	2	52	19	7	3	48	15	5	2	53	19	7	3	48	17	8	4	49	15	4	1	51	19	7	3
200	37	8	2	0	63	32	18	9	36	8	1	0	64	30	15	7	39	9	2	0	62	30	16	8	33	6	0	0	67	31	15	8
260	25	4	1	0	75	50	33	21	26	3	0	0	74	45	28	17	28	3	0	0	73	43	27	16	24	3	0	0	76	46	27	18
320	17	1	0	0	83	63	48	36	17	1	0	0	83	60	43	32	20	2	0	0	80	55	40	28	18	1	0	0	82	58	41	30

TABLE A- 77. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	26	2	0	0	7	0	0	0	36	5	1	0	52	18	7	3	4	0	0	0	56	22	7	2	1	0	0	0				
50/200	8	0	0	0	9	0	0	0	14	1	0	0	26	3	1	0	5	0	0	0	32	6	1	0	1	0	0	0				
50/300	4	0	0	0	10	0	0	0	7	0	0	0	14	1	0	0	6	0	0	0	20	1	0	0	2	0	0	0				
150/100	0	0	0	0	71	36	17	8	21	2	0	0	25	5	1	0	40	10	3	1	12	1	0	0	49	16	4	1	7	0	0	0
150/200	0	0	0	0	91	72	55	42	7	0	0	0	34	8	3	1	19	2	0	0	18	3	1	0	28	5	1	0	10	1	0	0
150/300	0	0	0	0	96	84	72	61	3	0	0	0	38	10	3	1	10	1	0	0	21	4	1	0	17	1	0	0	13	1	0	0
250/100	0	0	0	0	71	37	18	10	0	0	0	0	61	24	11	6	7	0	0	0	38	8	2	1	34	7	1	0	14	1	0	0
250/200	0	0	0	0	91	74	60	48	0	0	0	0	84	60	44	33	3	0	0	0	61	30	16	8	18	3	0	0	23	4	1	0
250/300	0	0	0	0	96	87	79	71	0	0	0	0	92	80	69	62	1	0	0	0	72	47	33	23	11	0	0	0	29	6	1	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	54	18	5	1	1	0	0	0	54	22	9	4	0	0	0	0	41	12	3	1	0	0	0	0	35	10	3	2	0	0	0	0
50/200	25	4	0	0	1	0	0	0	24	4	1	0	1	0	0	0	14	2	1	0	0	0	0	0	9	0	0	0	1	0	0	0
50/300	13	1	0	0	1	0	0	0	10	1	0	0	1	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
150/100	49	13	3	0	6	1	0	0	52	21	9	4	3	0	0	0	40	12	3	1	3	0	0	0	34	9	3	2	7	0	0	0
150/200	23	3	0	0	10	2	0	0	23	4	1	0	5	0	0	0	13	2	1	0	4	0	0	0	8	0	0	0	8	1	0	0
150/300	12	0	0	0	11	2	0	0	10	1	0	0	5	1	0	0	4	0	0	0	4	0	0	0	1	0	0	0	8	1	0	0
250/100	38	7	1	0	14	2	1	0	46	16	6	2	9	1	0	0	36	9	3	1	12	1	0	0	29	7	2	1	20	3	1	1
250/200	19	2	0	0	24	6	1	0	21	3	0	0	15	2	0	0	13	2	1	0	16	1	0	0	7	0	0	0	26	6	2	1
250/300	9	0	0	0	27	7	2	0	9	1	0	0	16	2	0	0	4	0	0	0	16	2	0	0	1	0	0	0	27	6	2	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	43	10	3	1	2	0	0	0	35	6	1	0	3	0	0	0	32	3	0	0	8	1	0	0	20	1	0	0	10	1	0	0
50/200	16	1	0	0	3	0	0	0	12	0	0	0	5	0	0	0	13	0	0	0	10	1	0	0	6	0	0	0	14	1	0	0
50/300	5	0	0	0	3	0	0	0	4	0	0	0	6	0	0	0	6	0	0	0	12	2	1	0	3	0	0	0	15	1	0	0
150/100	38	8	3	1	12	1	0	0	27	3	0	0	16	3	1	0	5	0	0	0	49	20	11	6	0	0	0	0	75	40	20	11
150/200	14	1	0	0	15	2	0	0	8	0	0	0	23	7	3	1	2	0	0	0	68	41	27	20	0	0	0	0	93	79	67	55
150/300	5	0	0	0	16	3	0	0	3	0	0	0	26	9	4	2	1	0	0	0	75	55	45	39	0	0	0	0	97	90	83	77
250/100	21	3	0	0	34	11	3	1	0	0	0	0	62	27	12	6	0	0	0	0	64	30	17	9	0	0	0	0	75	40	20	11
250/200	8	0	0	0	49	27	18	14	0	0	0	0	87	67	51	39	0	0	0	0	85	63	47	36	0	0	0	0	93	79	67	55
250/300	2	0	0	0	54	32	23	19	0	0	0	0	95	87	80	74	0	0	0	0	94	82	72	64	0	0	0	0	97	90	83	77

TABLE A- 78. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	58	23	9	4	3	0	0	0	65	34	19	10	3	0	0	0	73	45	31	21	1	0	0	0	77	51	32	19	0	0	0	0
50/200	32	5	0	0	6	0	0	0	36	6	1	0	5	1	0	0	48	15	6	3	3	0	0	0	54	21	7	3	1	0	0	0
50/300	17	1	0	0	8	0	0	0	21	2	0	0	6	1	0	0	31	5	1	0	4	0	0	0	38	10	3	1	1	0	0	0
150/100	0	0	0	0	35	6	2	1	40	11	4	1	12	1	0	0	58	25	12	7	5	0	0	0	68	35	16	7	4	0	0	0
150/200	0	0	0	0	64	28	13	6	21	2	1	0	24	5	1	0	36	8	3	1	12	1	0	0	46	15	4	1	7	0	0	0
150/300	0	0	0	0	80	51	32	20	11	1	0	0	30	7	2	0	22	2	1	0	16	2	1	0	33	7	1	0	9	1	0	0
250/100	0	0	0	0	35	6	2	1	0	0	0	0	29	5	1	0	11	2	0	0	17	2	0	0	49	16	4	1	8	0	0	0
250/200	0	0	0	0	64	29	14	7	0	0	0	0	60	27	12	6	7	0	0	0	41	12	4	1	31	7	1	0	15	2	0	0
250/300	0	0	0	0	80	53	36	24	0	0	0	0	77	51	34	23	4	0	0	0	57	25	12	5	22	4	0	0	21	3	1	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	76	46	28	15	0	0	0	0	74	47	29	18	0	0	0	0	62	30	15	8	0	0	0	0	57	27	15	9	0	0	0	0
50/200	48	15	4	0	1	0	0	0	45	15	5	3	0	0	0	0	28	6	2	0	0	0	0	0	23	6	2	1	0	0	0	0
50/300	28	5	1	0	1	0	0	0	25	5	1	0	0	0	0	0	12	1	0	0	0	0	0	0	8	0	0	0	1	0	0	0
150/100	68	35	18	8	3	0	0	0	71	44	27	16	1	0	0	0	60	28	15	8	2	0	0	0	54	23	11	6	5	0	0	0
150/200	43	12	3	0	7	0	0	0	43	15	5	3	3	0	0	0	28	6	1	0	4	0	0	0	23	5	2	1	7	0	0	0
150/300	26	4	1	0	10	2	0	0	24	5	1	0	4	0	0	0	11	1	0	0	4	0	0	0	8	0	0	0	8	1	0	0
250/100	54	20	6	2	7	1	0	0	62	33	18	10	5	0	0	0	53	21	10	4	8	0	0	0	43	16	6	3	13	1	0	0
250/200	34	6	1	0	16	2	0	0	38	11	3	1	10	1	0	0	24	4	1	0	12	1	0	0	19	5	2	1	23	4	1	1
250/300	20	2	0	0	23	5	1	0	22	4	1	0																				

TABLE A- 79. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	87	77	61	49	18	9	4	0	92	86	72	60	19	7	1	0	93	85	76	67	11	4	1	0	96	93	85	78	2	1	0	0
120	51	28	13	8	73	55	33	21	79	63	39	25	37	13	3	0	84	72	53	40	24	11	1	0	89	79	60	47	15	4	0	0
180	0	0	0	0	100	100	100	100	51	29	10	4	83	71	56	45	69	49	26	15	39	18	4	0	81	65	44	30	27	10	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	54	27	4	1	85	73	58	46	71	52	27	15	47	21	7	2
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	97	46	22	5	1	77	60	36	22
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	98	95	92	88	5	0	0	0	100	99	99	98	2	0	0	0	100	99	99	98	0	0	0	0	99	98	95	93	4	0	0	0
120	92	85	73	64	18	3	0	0	98	96	92	89	11	2	0	0	98	96	92	88	5	0	0	0	96	91	82	76	8	1	0	0
180	86	75	57	44	27	7	0	0	94	89	80	71	17	5	0	0	94	89	79	70	7	1	0	0	89	79	63	51	18	6	0	0
240	80	63	41	26	45	22	6	1	89	80	65	53	12	9	1	0	86	75	56	41	22	3	0	0	81	66	44	27	40	16	5	3
300	68	49	24	10	58	37	14	5	76	59	35	21	43	19	5	3	72	51	27	13	46	21	7	1	51	28	7	2	79	65	52	45
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	95	90	81	73	9	2	0	0	93	86	72	62	12	3	1	0	88	78	63	52	26	11	3	1	81	65	42	27	27	10	2	0
120	90	82	68	57	22	7	1	0	85	72	56	43	33	14	4	2	69	48	24	12	57	35	14	10	4	1	0	0	98	97	95	92
180	81	67	49	37	33	13	3	1	72	53	30	18	75	62	55	53	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	66	45	20	9	64	45	27	20	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 80. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	38	14	3	0	65	42	19	8	46	23	6	2	55	29	9	3	62	41	21	11	37	17	3	0	69	48	22	12	40	18	3	0
140	22	5	0	0	81	64	40	24	28	10	3	1	73	53	29	16	44	22	6	2	58	35	14	7	53	26	6	2	58	38	18	8
200	4	1	0	0	90	81	65	52	12	3	1	1	83	70	50	37	34	12	2	0	72	54	30	16	38	15	2	1	69	49	27	15
260	3	0	0	0	94	87	77	68	9	1	0	0	89	80	63	51	25	8	0	0	81	67	46	31	30	9	0	0	77	62	41	28
320	1	0	0	0	97	93	86	80	5	0	0	0	93	87	75	67	18	5	0	0	87	75	56	43	24	4	0	0	83	71	53	40
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	63	38	15	6	36	12	1	0	66	44	19	10	42	18	5	2	56	33	13	4	58	34	14	7	56	31	12	5	61	39	16	8
140	46	23	5	1	59	36	15	7	52	25	6	2	67	47	25	16	42	16	2	0	80	64	44	31	37	16	7	4	82	67	44	30
200	35	13	1	0	79	64	44	31	38	15	2	2	80	64	42	30	25	7	2	0	90	81	69	61	16	1	0	0	92	84	70	59
260	29	6	1	0	85	74	58	45	29	8	0	0	89	79	63	50	12	3	0	0	95	91	85	80	4	0	0	0	97	92	85	79
320	16	4	0	0	90	83	70	60	27	6	0	0	93	86	75	66	6	1	0	0	98	95	91	87	0	0	0	0	99	97	94	90
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	56	30	12	4	51	26	8	3	48	25	5	1	59	35	12	5	48	22	5	1	56	36	16	7	26	6	1	0	66	43	17	9
140	35	12	2	1	74	56	32	18	28	8	1	0	76	57	32	18	27	7	0	0	72	53	32	18	15	4	0	0	83	69	48	35
200	21	5	0	0	86	74	58	45	15	3	0	0	88	76	57	43	9	0	0	0	84	73	53	40	8	1	0	0	92	85	71	59
260	10	1	0	0	92	86	74	64	7	0	0	0	93	86	75	65	3	0	0	0	90	82	68	57	6	0	0	0	95	90	81	72
320	4	1	0	0	95	91	84	78	3	0	0	0	97	92	86	80	1	0	0	0	93	88	78	69	2	0	0	0	97	94	88	81

TABLE A- 81. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	59	32	11	4	51	26	8	3	54	28	10	4	56	33	13	4	61	35	14	6	54	29	8	3	62	39	15	5	56	32	13	3
140	37	13	1	0	74	54	30	17	37	12	2	0	82	66	42	28	41	14	3	0	77	60	36	21	43	18	5	2	75	56	33	21
200	22	3	1	0	85	73	55	43	22	8	0	0	88	77	60	46	26	5	1	0	85	71	47	31	24	4	0	0	83	69	52	38
260	17	2	1	0	91	82	70	59	17	4	0	0	93	86	74	63	22	4	1	0	91	83	66	52	11	1	0	0	90	81	68	57
320	8	1	0	0	94	87	78	69	16	5	0	0	95	89	79	71	18	2	0	0	94	89	78	68	4	0	0	0	95	90	82	73

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	57	32	8	1	70	49	25	14	48	25	8	3	71	49	25	14	29	10	1	0	86	76	60	48	34	15	5	1	85	71	49	34
140	30	10	1	0	85	72	53	40	19	5	1	0	88	79	66	56	3	0	0	0	95	90	82	76	4	0	0	0	96	92	84	77
200	14	1	0	0	94	89	81	75	8	0	0	0	95	91	83	76	0	0	0	0	99	98	96	94	0	0	0	0	100	99	98	96
260	9	0	0	0	97	95	91	87	4	0	0	0	97	95	91	87	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99
320	2	0	0	0	98	97	94	92	0	0	0	0	99	98	96	94	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	48	26	9	2	72	54	31	17	56	30	9	2	68	48	24	12	54	28	9	3	63	42	16	7	59	36	10	2	54	29	8	2
140	20	6	1	0	90	81	67	55	32	11	1	0	85	71	50	36	31	8	1	0	81	66	46	31	32	12	3	1	73	52	28	17
200	12	0	0	0	96	93	86	79	15	2	0	0	92	84	71	61	16	1	0	0	89	81	66	53	23	6	0	0	85	73	53	41
260	1	0	0	0	98	96	92	88	9	1	0	0	96	92	85	78	10	1	0	0	95	90	81	73	19	4	0	0	90	82	67	56
320	0	0	0	0	99	98	96	94	5	0	0	0	98	96	91	86	5	1	0	0	97	94	87	80	14	3	0	0	94	89	78	69

TABLE A- 82. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	77	58	35	22	24	10	3	1	81	67	47	34	31	11	1	0	85	72	55	44	14	5	1	0	87	76	56	41	25	8	1	0
140	56	31	9	3	52	26	6	2	57	33	12	4	48	22	4	0	69	51	29	19	38	17	3	1	75	55	28	14	41	20	4	0
200	44	17	1	0	66	43	19	10	45	19	5	1	65	42	19	9	54	31	11	5	51	27	8	3	63	39	14	6	54	30	11	4
260	35	11	0	0	77	59	35	20	37	13	1	0	75	55	32	19	46	22	6	2	64	42	19	9	53	29	8	3	63	41	20	10
320	23	6	1	0	83	68	46	32	26	10	0	0	82	67	46	31	36	12	1	0	71	52	27	13	41	19	3	1	68	49	28	16

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	84	71	51	35	21	3	0	0	83	70	48	34	25	9	1	0	74	55	31	17	41	18	4	2	73	54	31	19	46	21	5	3
140	64	40	15	4	43	17	4	2	70	47	22	11	47	23	7	3	55	30	10	3	66	44	19	9	55	30	12	6	66	43	18	10
200	54	29	8	1	57	35	13	6	54	29	9	5	62	40	18	9	39	17	4	0	78	62	41	28	38	17	7	4	80	65	43	29
260	40	17	3	0	70	51	30	19	45	20	6	4	75	57	35	23	30	11	3	0	88	77	62	52	24	9	2	0	90	79	62	49
320	36	12	1	0	78	63	43	28	33	11	1	0	83	69	50	37	22	4	0	0	93	87	78	72	11	1	0	0	94	88	78	69

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	76	56	30	17	39	17	3	0	73	54	30	18	33	10	1	0	77	58	35	20	34	14	2	0	75	56	30	17	29	9	1	0
140	58	32	11	3	54	30	11	3	56	34	12	4	55	29	9	3	57	32	10	4	54	33	14	6	54	29	8	2	57	33	12	5
200	44	20	5	1	69	49	26	12	42	18	3	1	68	46	23	10	43	18	4	0	65	46	23	11	36	15	1	0	68	44	20	10
260	34	12	3	0	80	65	42	27	33	10	1	0	77	59	35	22	31	9	1	0	73	56	34	20	26	9	0	0	78	58	33	21
320	25	4	0	0	85	74	56	41	24	6	0	0	85	71	51	36	22	5	0	0	81	68	48	33	21	5	0	0	83	69	48	34

TABLE A- 83. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	28	7	0	0	11	3	0	0	32	12	3	1	12	4	1	0	52	32	13	5
50/200	3	0	0	0	10	2	0	0	8	2	1	1	16	4	1	0	30	11	2	0
50/300	1	0	0	0	10	2	0	0	4	1	0	0	15	3	1	0	19	6	0	0
150/100	0	0	0	0	70	49	23	11	22	8	2	0	35	16	3	0	43	22	7	2
150/200	0	0	0	0	89	79	60	45	5	0	0	0	42	19	5	2	19	6	0	0
150/300	0	0	0	0	94	88	75	63	2	0	0	0	45	21	5	2	11	2	0	0
250/100	0	0	0	0	71	50	25	13	0	0	0	0	60	37	16	8	13	2	0	0
250/200	0	0	0	0	90	81	65	52	0	0	0	0	83	70	50	37	0	0	0	0
250/300	0	0	0	0	95	90	82	74	0	0	0	0	93	86	73	65	0	0	0	0
THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	56	31	9	1	1	0	0	0	61	37	13	6	0	0	0	0	51	25	7	1
50/200	35	13	1	0	1	0	0	0	38	15	2	2	2	0	0	0	25	7	2	0
50/300	23	4	0	0	3	0	0	0	25	7	0	0	2	0	0	0	8	2	0	0
150/100	51	25	4	1	13	5	1	0	60	37	13	6	9	1	0	0	51	25	7	1
150/200	33	11	1	0	21	8	1	0	38	15	2	2	15	4	0	0	25	7	2	0
150/300	20	2	0	0	23	7	1	0	26	7	0	0	15	5	0	0	6	2	0	0
250/100	43	17	3	1	24	9	2	0	54	30	10	3	15	3	0	0	45	22	6	1
250/200	29	7	1	0	38	19	3	0	35	12	2	2	24	7	1	0	23	7	2	0
250/300	13	1	0	0	41	21	4	0	24	7	0	0	26	9	1	0	4	2	0	0
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	47	21	6	2	2	0	0	0	38	13	2	0	4	0	0	0	31	9	0	0
50/200	20	5	0	0	6	1	0	0	13	2	0	0	8	0	0	0	8	0	0	0
50/300	6	1	0	0	6	1	0	0	2	0	0	0	8	0	0	0	1	0	0	0
150/100	44	18	5	2	22	8	2	0	29	8	1	0	32	12	2	0	2	0	0	0
150/200	17	4	0	0	28	11	2	1	9	1	0	0	39	17	5	2	2	0	0	0
150/300	5	1	0	0	28	11	3	1	3	0	0	0	41	23	8	3	0	0	0	0
250/100	36	9	1	0	52	28	8	3	0	0	0	0	65	42	18	9	0	0	0	0
250/200	12	2	0	0	70	53	36	29	0	0	0	0	88	76	57	43	0	0	0	0
250/300	0	0	0	0	74	59	42	35	0	0	0	0	96	91	83	76	0	0	0	0

TABLE A- 84. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - DODGE CITY, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	60	36	14	6	7	2	0	0	69	50	26	14	6	1	0	0
50/200	37	12	1	0	11	3	0	0	40	14	3	1	12	4	1	0
50/300	22	6	1	0	10	2	0	0	22	7	0	0	12	4	1	0
150/100	0	0	0	0	33	13	3	1	48	25	7	3	23	6	1	0
150/200	0	0	0	0	65	42	18	8	28	8	3	0	33	15	3	0
150/300	0	0	0	0	80	63	38	24	13	4	0	0	43	19	4	0
250/100	0	0	0	0	34	14	4	2	0	0	0	0	36	15	3	0
250/200	0	0	0	0	66	43	19	10	0	0	0	0	65	42	19	9
250/300	0	0	0	0	81	65	43	28	0	0	0	0	80	64	42	28
THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	77	60	35	19	0	0	0	0	78	61	36	22	0	0	0	0
50/200	53	29	8	1	1	0	0	0	53	29	9	5	0	0	0	0
50/300	37	14	2	0	1	0	0	0	39	15	2	0	0	0	0	0
150/100	71	50	25	11	5	1	0	0	77	59	34	20	0	0	0	0
150/200	51	26	5	0	11	2	0	0	53	29	9	5	11	1	0	0
150/300	37	13	1	0	21	8	1	0	40	15	2	0	12	2	0	0
250/100	60	36	11	4	19	3	0	0	69	48	25	13	5	1	0	0
250/200	40	15	2	0	26	9	1	0	49	24	6	2	18	4	0	0
250/300	29	8	1	0	36	17	3	0	36	12	2	0	24	7	1	0
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	68	45	22	12	0	0	0	0	65	43	19	7	3	0	0	0
50/200	43	19	4	1	4	0	0	0	37	13	2	0	2	0	0	0
50/300	27	6	0	0	5	1	0	0	21	3	0	0	8	0	0	0
150/100	63	38	16	7	13	3	0	0	52	28	7	1	17	6	1	0
150/200	40	16	2	0	20	8	1	0	29	8	1	0	32	12	2	0
150/300	24	5	0	0	27	11	2	1	17	2	0	0	38	19	4	1
250/100	47	22	5	1	38	14	3	0	0	0	0	0	46	22	7	3
250/200	33	9	1	0	59	38	15	5	0	0	0	0	68	46	23	10
250/300	15	1	0	0	69	51	30	20	0	0	0	0	83	68	47	33

TABLE A-85. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	45	13	4	2	55	20	7	2	72	45	30	21	28	4	1	0	91	77	65	53	9	0	0	0	96	90	84	80	4	0	0	0
120	0	0	0	0	100	100	100	100	27	6	3	1	73	50	37	27	64	34	20	12	36	8	2	0	74	49	34	23	26	5	1	1
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	31	9	3	1	69	42	29	19	57	27	12	5	43	14	5	2
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	97	93	88	39	11	4	1	61	29	13	6
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	3	1	0	0	97	93	87	81

THRESHOLD	MAY				JUNE				JULY				AUGUST											
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH									
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS								
60	100	99	95	98	0	0	0	0	100	100	100	100	0	0	0	0	100	98	97	96	0	0	0	0
120	89	74	63	54	11	1	0	0	94	83	74	66	6	0	0	0	98	94	91	87	2	0	0	0
180	71	45	29	20	29	7	2	1	79	54	39	29	21	3	1	0	90	76	65	55	10	0	0	0
240	58	30	16	6	42	16	6	3	65	32	18	9	35	7	2	1	77	49	33	22	23	3	1	0
300	38	13	4	1	62	34	20	12	45	12	3	0	55	21	9	4	52	17	6	2	48	16	7	4

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS												
60	96	89	83	75	4	0	0	0	85	67	53	42	15	4	1	1	49	18	7	2	51	20	9	5	28	4	0	0
120	76	51	34	23	24	5	1	0	52	24	10	5	48	26	17	13	0	0	0	0	100	100	100	100	0	0	0	0
180	54	21	9	3	46	17	8	6	3	1	0	0	97	95	95	95	0	0	0	0	100	100	100	100	0	0	0	0
240	6	1	0	0	94	89	86	85	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0

TABLE A-86. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	31	5	0	0	69	36	18	6	38	7	1	1	62	25	10	5	51	14	4	1	49	13	4	1	60	22	8	3	40	8	2	1
140	18	1	0	0	82	57	37	24	23	2	0	0	77	47	29	18	32	4	0	0	68	33	17	9	42	10	2	1	58	25	11	5
200	5	0	0	0	92	77	64	54	13	1	0	0	87	67	51	38	21	1	0	0	79	51	33	22	29	3	0	0	71	39	22	13
260	5	0	0	0	95	84	74	66	9	0	0	0	91	75	62	50	14	0	0	0	86	65	47	34	21	2	0	0	79	53	37	25
320	4	0	0	0	96	99	82	76	6	0	0	0	94	82	71	61	9	0	0	0	91	77	65	54	15	1	0	0	85	63	48	36

THRESHOLD	MAY				JUNE				JULY				AUGUST															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS												
60	59	24	10	4	41	10	3	1	48	14	4	1	52	18	8	4	37	8	1	0	63	32	16	8	37	6	1	0
140	41	9	2	1	59	24	9	3	30	5	1	0	70	40	25	17	17	1	0	0	83	61	44	32	19	1	0	0
200	28	3	0	0	72	42	24	14	19	2	0	0	81	58	44	35	8	0	0	0	92	79	70	63	9	0	0	0
260	18	1	0	0	82	58	41	29	11	1	0	0	89	72	60	50	4	0	0	0	96	89	83	79	5	0	0	0
320	11	0	0	0	89	72	59	46	6	0	0	0	94	82	74	66	2	0	0	0	98	93	90	87	3	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS												
60	48	11	3	1	52	14	4	1	46	12	3	1	54	16	5	3	42	10	3	1	58	23	8	4	29	3	0	0
140	28	3	0	0	72	41	23	14	27	2	0	0	73	41	23	14	25	3	0	0	75	46	30	20	13	0	0	0
200	15	0	0	0	85	62	45	34	18	0	0	0	82	57	41	31	14	1	0	0	86	65	51	41	8	0	0	0
260	8	0	0	0	92	80	69	61	10	0	0	0	90	73	61	52	10	0	0	0	90	75	63	54	4	0	0	0
320	5	0	0	0	95	86	79	73	7	0	0	0	93	80	70	62	7	0	0	0	93	83	74	67	2	0	0	0

TABLE A- 87. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	56	24	10	5	44	14	3	1	50	16	4	2	50	19	8	4	42	11	2	0	58	28	14	5	42	12	3	1	58	29	15	9
140	39	10	3	1	61	31	16	0	30	5	0	0	70	40	24	17	23	3	0	0	77	54	38	25	23	3	0	0	77	54	39	29
200	26	5	0	0	74	47	30	20	19	2	0	0	81	58	41	30	13	1	0	0	87	73	60	50	12	1	0	0	88	74	63	54
260	17	2	0	0	83	63	50	41	12	1	0	0	88	70	56	44	8	0	0	0	92	81	71	63	7	0	0	0	93	84	77	70
320	12	1	0	0	88	73	62	53	8	0	0	0	92	79	68	59	5	0	0	0	95	87	80	73	4	0	0	0	96	90	86	81

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	20	2	0	0	80	59	44	34	11	1	0	0	89	74	63	54	8	0	0	0	92	80	71	63	16	2	0	0	84	63	47	35
140	8	0	0	0	92	82	74	67	2	0	0	0	98	93	89	85	2	0	0	0	98	95	92	90	5	0	0	0	95	86	78	70
200	3	0	0	0	97	93	90	87	1	0	0	0	99	98	97	95	0	0	0	0	100	99	98	97	2	0	0	0	98	94	91	86
260	2	0	0	0	98	96	94	92	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	1	0	0	0	99	98	97	95
320	0	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	98

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	29	5	1	0	71	43	26	16	41	11	3	1	59	27	13	7	50	17	5	2	50	19	7	3	55	21	7	2	45	15	7	4
140	13	1	0	0	87	71	57	45	22	2	0	0	78	52	34	21	30	6	1	1	70	43	26	17	35	8	2	0	65	36	22	14
200	4	0	0	0	96	89	82	76	12	0	0	0	88	72	59	47	18	2	0	0	82	63	47	36	23	3	0	0	77	51	37	28
260	1	0	0	0	99	95	90	86	7	0	0	0	93	81	70	60	12	1	0	0	88	74	60	49	16	1	0	0	84	65	51	41
320	0	0	0	0	100	100	99	98	4	0	0	0	96	88	81	74	8	0	0	0	92	80	68	58	11	0	0	0	89	72	61	51

TABLE A- 86. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	70	40	22	13	30	6	1	0	67	35	19	10	33	6	1	0	71	39	23	14	29	4	1	0	77	49	29	17	23	3	0	0
140	53	20	8	4	47	15	4	0	50	17	4	1	50	18	7	3	54	19	7	3	46	13	4	1	60	24	10	4	40	10	3	1
200	40	11	2	0	60	28	13	7	37	8	1	0	63	30	15	9	41	10	2	0	59	25	11	5	46	14	4	1	54	22	10	4
260	31	6	1	0	69	39	21	12	28	4	0	0	72	40	23	14	31	5	0	0	69	36	19	10	37	9	2	0	63	32	19	10
320	23	3	0	0	77	50	33	22	21	2	0	0	79	52	35	25	23	3	0	0	77	49	32	20	29	5	0	0	71	42	26	16

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	72	39	22	12	28	4	0	0	60	25	11	5	40	11	4	2	50	16	4	1	50	18	6	2	57	21	10	6	43	10	3	0
140	52	19	7	2	48	18	6	2	39	10	3	1	61	30	17	10	29	4	0	0	71	42	25	16	33	5	0	0	67	32	16	7
200	39	9	2	1	61	30	14	6	28	5	1	0	72	45	30	20	16	1	0	0	84	64	49	38	19	2	0	0	81	53	36	25
260	28	4	0	0	72	44	26	17	18	1	0	0	82	61	46	37	8	0	0	0	92	80	71	64	11	1	0	0	89	72	58	47
320	20	1	0	0	80	56	39	26	12	1	0	0	88	72	61	52	5	0	0	0	95	87	82	77	8	0	0	0	92	81	69	60

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	67	33	16	9	33	6	1	0	71	40	21	10	29	5	1	0	73	44	27	19	27	4	1	0	69	38	22	13	31	5	2	0
140	45	11	2	0	55	20	7	2	51	16	4	1	49	13	4	2	53	19	6	1	47	14	4	1	51	16	4	1	49	15	6	3
200	32	4	0	0	68	34	17	9	38	7	1	0	62	27	11	6	40	10	2	0	60	29	14	7	36	7	1	0	64	32	17	10
260	21	2	0	0	79	52	33	22	27	3	0	0	73	41	24	14	29	5	1	0	71	42	25	16	27	4	1	0	73	44	29	20
320	14	1	0	0	86	66	51	39	20	1	0	0	80	56	40	28	22	2	0	0	78	54	38	27	21	2	0	0	79	54	40	28

TABLE A- 89. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	10	0	0	0	25	4	0	0	25	3	0	0	12	1	0	0
50/200	2	0	0	0	38	7	1	0	9	0	0	0	16	2	0	0
50/300	1	0	0	0	40	10	3	0	5	0	0	0	18	2	0	0
150/100	0	0	0	0	74	44	25	13	0	0	0	0	65	29	13	6
150/200	0	0	0	0	92	77	64	54	0	0	0	0	85	62	44	31
150/300	0	0	0	0	66	88	81	74	0	0	0	0	90	74	60	47
250/100	0	0	0	0	74	44	25	13	0	0	0	0	67	31	15	9
250/200	0	0	0	0	92	77	64	54	0	0	0	0	87	67	51	36
250/300	0	0	0	0	96	88	81	74	0	0	0	0	93	80	68	57
	MAY				JUNE				JULY				AUGUST			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	53	19	8	3	0	0	0	0	42	10	2	0	0	0	0	0
50/200	28	3	0	0	0	0	0	0	19	2	0	0	0	0	0	0
50/300	13	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
150/100	39	10	3	1	8	1	0	0	35	7	2	0	0	8	0	0
150/200	20	1	0	0	14	2	1	0	17	1	0	0	12	1	0	0
150/300	9	0	0	0	19	3	1	0	7	0	0	0	14	1	0	0
250/100	26	4	1	0	19	3	0	0	25	2	0	0	20	3	1	0
250/200	13	0	0	0	30	9	4	2	11	0	0	0	30	7	2	1
250/300	6	0	0	0	33	12	5	2	5	0	0	0	34	8	2	1
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	37	7	1	0	1	0	0	0	35	5	0	0	5	1	0	0
50/200	15	0	0	0	2	0	0	0	16	0	0	0	7	1	0	0
50/300	5	0	0	0	2	0	0	0	7	0	0	0	9	1	0	0
150/100	24	3	0	0	21	3	0	0	9	1	0	0	45	14	6	3
150/200	9	0	0	0	29	6	0	0	4	0	0	0	61	36	26	19
150/300	2	0	0	0	32	7	1	0	1	0	0	0	69	49	41	35
250/100	1	0	0	0	61	25	10	4	0	0	0	0	61	23	9	5
250/200	0	0	0	0	63	61	45	33	0	0	0	0	63	41	31	21
250/300	2	0	0	0	93	82	75	69	0	0	0	0	92	78	67	58

TABLE A- 90. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	32	6	1	0	11	0	0	0	43	17	6	2	6	0	0	0
50/200	17	1	0	0	21	1	0	0	28	5	1	0	11	1	0	0
50/300	9	0	0	0	28	4	0	0	17	2	0	0	13	1	0	0
150/100	0	0	0	0	36	8	1	0	1	0	0	0	36	7	2	0
150/200	0	0	0	0	60	28	13	7	0	0	0	0	60	27	13	7
150/300	0	0	0	0	75	48	30	20	0	0	0	0	74	44	26	15
250/100	0	0	0	0	36	8	1	0	0	0	0	0	38	8	2	0
250/200	0	0	0	0	60	28	13	7	0	0	0	0	63	30	15	9
250/300	0	0	0	0	75	48	30	20	0	0	0	0	76	48	31	21
	MAY				JUNE				JULY				AUGUST			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	65	31	16	7	0	0	0	0	52	17	6	3	0	0	0	0
50/200	39	9	2	1	0	0	0	0	28	5	1	0	0	0	0	0
50/300	22	1	0	0	0	0	0	0	13	1	0	0	0	0	0	0
150/100	47	16	7	3	5	0	0	0	44	12	5	1	7	0	0	0
150/200	28	4	0	0	11	2	1	0	24	4	1	0	10	1	0	0
150/300	15	0	0	0	15	2	1	0	11	0	0	0	13	1	0	0
250/100	32	6	2	0	12	2	0	0	31	4	1	0	16	2	1	0
250/200	19	1	0	0	25	7	3	2	17	1	0	0	26	5	1	1
250/300	9	0	0	0	32	9	4	2	7	0	0	0	32	7	2	1
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	57	21	8	3	1	0	0	0	56	21	8	2	3	0	0	0
50/200	31	4	0	0	1	0	0	0	33	5	1	0	5	0	0	0
50/300	16	2	0	0	2	0	0	0	19	1	0	0	7	1	0	0
150/100	38	9	3	1	14	1	0	0	15	2	0	0	27	5	1	0
150/200	19	1	0	0	22	4	0	0	8	1	0	0	45	16	7	4
150/300	9	0	0	0	28	6	1	0	5	0	0	0	57	33	21	14
250/100	1	0	0	0	41	8	2	1	0	0	0	0	37	8	2	1
250/200	1	0	0	0	67	34	17	9	0	0	0	0	62	27	11	6
250/300	0	0	0	0	82	62	47	35	0	0	0	0	78	52	35	23

TABLE A- 93. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	65	42	16	7	54	29	6	1	56	29	7	2	57	34	13	7	55	24	4	1
200	50	23	5	1	69	48	23	12	44	13	0	0	75	55	32	22	40	12	0	0
260	38	15	1	0	78	62	39	25	30	8	0	0	84	70	49	36	27	4	0	0
320	28	9	1	0	86	74	58	47	19	4	0	0	89	79	63	49	19	5	0	0
	20	6	0	0	90	82	68	58	12	0	0	0	92	86	74	63	18	5	0	0
THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	31	9	0	0	85	72	54	41	25	6	0	0	91	83	70	60	11	2	0	0
200	14	3	0	0	94	89	80	72	3	0	0	0	98	95	91	86	3	0	0	0
260	8	0	0	0	98	96	92	90	2	0	0	0	99	99	97	95	0	0	0	0
320	3	0	0	0	99	97	95	92	0	0	0	0	100	100	99	99	0	0	0	0
	0	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	40	13	3	1	75	57	34	21	50	22	5	1	63	42	18	8	58	33	8	2
200	23	6	0	0	89	80	63	50	32	8	1	0	81	65	41	25	44	17	2	1
260	6	1	0	0	96	93	85	76	23	3	0	0	90	81	66	52	33	8	0	0
320	0	0	0	0	98	96	91	87	13	0	0	0	93	86	75	63	23	4	0	0
	0	0	0	0	100	100	99	96	6	0	0	0	96	92	85	76	15	1	0	0

TABLE A- 94. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FARGO, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	75	55	25	17	38	16	2	0	69	48	25	13	36	15	2	0	74	54	30	17
200	59	35	13	5	53	30	6	1	56	30	7	2	54	31	10	4	58	33	11	4
260	49	24	5	1	66	44	20	11	45	18	3	1	64	44	21	13	47	21	4	1
320	40	17	1	0	73	55	30	16	35	10	0	0	73	55	30	18	37	12	1	0
	33	12	0	0	80	64	41	26	31	7	0	0	81	65	43	30	31	9	1	0
THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	73	53	29	16	35	11	1	0	63	38	16	8	43	21	7	2	53	28	7	2
200	59	34	11	4	58	36	12	4	46	20	5	2	66	46	24	13	32	11	1	0
260	46	21	4	1	68	47	21	9	36	13	2	0	76	59	38	25	15	4	0	0
320	37	11	1	0	77	60	35	22	24	5	0	0	84	73	54	43	8	2	0	0
	26	5	0	0	83	69	48	34	19	3	0	0	89	81	67	57	4	1	0	0
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
60	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
140	70	47	23	13	37	14	3	1	74	55	29	13	32	13	2	0	76	58	35	23
200	49	22	3	1	57	34	11	3	54	29	6	1	49	25	6	3	58	33	10	2
260	35	10	1	0	70	49	24	12	42	10	3	0	62	40	16	8	48	24	4	0
320	25	7	0	0	81	65	41	26	31	9	1	0	74	55	30	16	40	16	1	0
	21	4	0	0	87	76	58	43	28	5	0	0	82	69	48	33	33	8	0	0

TABLE A- 95. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FARGO, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	11	2	0	0	27	9	1	0	39	13	2	0	53	28	7	2
50/200	0	0	0	0	13	1	0	0	16	3	0	0	31	9	0	0
50/300	0	0	0	0	3	0	0	0	9	0	0	0	21	5	0	0
150/100	0	0	0	0	0	0	0	0	19	4	0	0	36	12	2	0
150/200	0	0	0	0	0	0	0	0	9	2	0	0	13	1	0	0
150/300	0	0	0	0	0	0	0	0	4	0	0	0	10	1	0	0
250/100	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0
250/200	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
250/300	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	57	33	13	4	46	21	4	0	31	11	2	0	29	7	0	0
50/200	32	8	0	0	22	5	0	0	7	2	0	0	10	0	0	0
50/300	13	1	0	0	11	1	0	0	0	0	0	0	5	0	0	0
150/100	45	23	7	2	40	17	4	0	28	9	2	0	26	7	0	0
150/200	22	4	0	0	18	4	0	0	7	2	0	0	10	0	0	0
150/300	9	1	0	0	9	1	0	0	0	0	0	0	5	0	0	0
250/100	34	13	2	0	24	5	0	0	17	5	1	0	16	4	0	0
250/200	12	1	0	0	12	1	0	0	2	0	0	0	8	0	0	0
250/300	4	0	0	0	5	0	0	0	0	0	0	0	6	0	0	0

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	40	17	1	0	36	12	1	0	18	1	0	0	3	0	0	0
50/200	15	0	0	0	19	2	0	0	6	0	0	0	0	0	0	0
50/300	3	0	0	0	4	0	0	0	5	0	0	0	0	0	0	0
150/100	28	9	0	0	22	5	1	0	0	0	0	0	0	0	0	0
150/200	10	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
150/300	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
250/100	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A- 96. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FARGO, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	36	16	2	0	54	30	10	4	60	36	15	7	71	51	24	12
50/200	20	4	0	0	35	13	2	0	41	16	3	0	52	26	6	1
50/300	10	2	0	0	24	7	0	0	25	5	1	0	39	15	1	0
150/100	0	0	0	0	0	0	0	0	32	13	5	2	47	24	5	2
150/200	0	0	0	0	0	0	0	0	18	4	1	0	34	12	3	0
150/300	0	0	0	0	0	0	0	0	11	1	0	0	19	3	0	0
250/100	0	0	0	0	0	0	0	0	0	0	0	0	25	4	0	0
250/200	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0
250/300	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	68	46	22	10	55	30	10	4	46	20	4	1	47	23	5	1
50/200	48	21	4	1	36	13	2	0	15	4	0	0	24	6	0	0
50/300	29	4	0	0	20	3	0	0	6	2	0	0	13	1	0	0
150/100	52	29	12	4	48	23	8	3	43	18	3	1	42	18	3	0
150/200	35	12	1	0	30	10	1	0	12	3	0	0	22	5	0	0
150/300	17	2	0	0	15	2	0	0	5	2	0	0	11	1	0	0
250/100	39	17	4	1	32	10	2	0	30	11	1	0	25	7	0	0
250/200	23	5	0	0	18	2	0	0	7	2	0	0	12	3	0	0
250/300	9	0	0	0	9	0	0	0	4	1	0	0	8	0	0	0

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/100	60	35	13	5	59	36	12	3	41	17	3	0	22	4	0	0
50/200	34	10	1	0	36	12	2	0	24	6	0	0	5	0	0	0
50/300	21	6	0	0	23	3	0	0	12	1	0	0	5	0	0	0
150/100	43	20	5	2	32	12	2	0	0	0	0	0	0	0	0	0
150/200	20	4	0	0	17	3	1	0	0	0	0	0	0	0	0	0
150/300	9	2	0	0	12	1	0	0	0	0	0	0	0	0	0	0
250/100	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A- 97. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	46	13	2	0	54	21	9	4	67	37	22	13	33	6	1	0	85	62	48	38	15	0	0	0	97	91	88	85	3	0	0	0
120	0	0	0	0	100	99	97	94	30	5	1	0	70	37	19	10	51	16	4	1	49	14	4	1	71	40	23	14	29	3	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	97	94	27	4	1	0	73	42	24	14	49	17	7	3	51	16	4	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	1	0	0	0	99	97	93	89	29	6	2	1	71	40	21	10
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	1	0	0	0	99	98	95	92

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	59	96	93	91	1	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0	99	97	95	92	1	0	0	0
120	86	66	52	41	14	1	0	0	94	85	77	69	6	0	0	0	93	80	68	58	7	0	0	0	90	72	59	48	10	0	0	0
180	66	39	23	13	34	11	2	1	77	55	39	28	23	3	1	0	78	50	31	21	22	2	0	0	72	39	21	11	28	3	0	0
240	49	19	8	3	51	22	9	3	58	29	12	4	42	12	4	1	55	20	5	1	45	15	6	2	41	11	3	1	59	29	15	9
300	17	2	0	0	83	62	48	37	21	4	1	0	79	54	36	25	11	1	0	0	89	75	65	60	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	97	90	84	77	3	0	0	0	85	64	47	36	15	2	0	0	53	22	9	3	47	18	7	3	33	4	0	0	68	33	17	8
120	75	47	25	16	25	4	1	0	56	27	13	6	44	20	10	6	4	0	0	0	96	91	89	88	0	0	0	0	100	100	100	100
180	50	19	8	3	64	61	45	35	4	0	0	0	96	92	92	92	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	3	0	0	0	97	93	92	91	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A- 98. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	43	13	4	1	57	25	13	7	46	13	4	2	54	20	5	3	57	22	8	3	43	10	2	0	63	28	12	3	38	9	2	1
100	27	4	0	0	73	42	28	20	31	4	1	0	70	38	21	13	41	10	2	0	59	26	12	6	42	10	2	0	58	24	11	6
140	16	1	0	0	64	61	45	35	18	1	0	0	83	57	41	30	29	4	1	0	72	40	22	12	29	3	0	0	71	38	22	14
180	10	0	0	0	90	75	63	54	11	1	0	0	89	70	55	45	20	1	0	0	60	54	37	25	20	1	0	0	80	52	34	22
220	6	0	0	0	94	83	74	66	7	0	0	0	94	82	71	61	15	0	0	0	85	64	48	36	13	0	0	0	87	65	50	38

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	51	18	5	1	49	18	7	4	37	10	3	1	63	33	18	10	27	3	0	0	73	45	28	19	22	2	0	0	78	51	35	24
100	32	4	1	0	68	39	23	16	20	2	0	0	80	56	40	28	11	1	0	0	89	73	61	52	7	0	0	0	93	80	70	60
140	20	2	0	0	61	58	44	35	10	0	0	0	90	77	66	58	4	0	0	0	96	90	85	81	2	0	0	0	98	94	90	86
180	12	1	0	0	68	70	58	46	5	0	0	0	95	87	79	72	1	0	0	0	99	96	94	92	1	0	0	0	99	97	95	92
220	8	0	0	0	92	80	70	62	2	0	0	0	98	93	88	85	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	29	4	0	0	71	41	22	13	37	11	3	1	63	33	19	11	44	12	3	0	56	24	11	5	32	6	2	1	68	35	19	11
100	13	0	0	0	87	67	52	41	20	2	0	0	80	58	43	34	27	3	0	0	73	45	29	18	16	1	0	0	84	61	42	30
140	6	0	0	0	94	84	74	66	11	0	0	0	89	72	57	47	16	1	0	0	84	63	48	37	9	0	0	0	91	76	63	53
180	4	0	0	0	96	89	82	75	6	0	0	0	94	82	72	64	10	0	0	0	90	75	62	52	5	0	0	0	95	85	76	68
220	2	0	0	0	98	93	89	85	3	0	0	0	97	91	86	80	6	0	0	0	94	84	75	66	3	0	0	0	97	90	83	77

TABLE A-99. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	52	22	10	5	48	20	9	5	50	20	7	3	50	21	9	4	43	14	5	2	57	28	14	8	32	8	1	0	68	41	27	19
100	34	9	2	0	66	37	24	16	34	9	3	1	66	40	24	14	25	4	1	0	75	49	32	21	17	2	0	0	83	64	49	40
140	23	3	1	0	77	52	38	27	21	2	0	0	79	56	40	31	17	1	0	0	83	61	45	33	10	1	0	0	90	76	66	58
180	14	1	0	0	86	68	54	43	14	1	0	0	86	67	54	46	10	0	0	0	90	72	56	45	5	0	0	0	95	87	80	75
220	10	0	0	0	90	77	66	56	9	0	0	0	92	78	67	58	6	0	0	0	94	82	72	64	3	0	0	0	97	92	88	84
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	18	2	0	0	83	62	48	37	10	1	0	0	90	76	65	56	5	0	0	0	95	87	80	74	3	0	0	0	97	92	86	80
100	7	0	0	0	93	84	77	71	2	0	0	0	98	94	91	88	1	0	0	0	99	96	93	90	1	0	0	0	100	98	97	95
140	3	0	0	0	98	93	90	88	1	0	0	0	100	98	96	94	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97
180	1	0	0	0	99	98	97	95	0	0	0	0	100	98	97	96	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97
220	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	8	0	0	0	92	79	67	56	17	2	0	0	83	62	45	33	39	12	3	1	61	32	15	7	53	23	9	3	47	19	8	3
100	2	0	0	0	98	93	89	85	6	0	0	0	94	84	74	64	25	3	0	0	75	50	31	20	37	10	2	1	63	33	18	11
140	1	0	0	0	99	97	95	93	3	0	0	0	97	92	86	80	16	1	0	0	84	65	49	37	26	4	0	0	74	47	30	20
180	0	0	0	0	100	99	98	97	1	0	0	0	99	96	95	92	11	0	0	0	89	75	61	49	18	2	0	0	82	61	45	34
220	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97	8	0	0	0	92	81	70	60	12	1	0	0	88	70	57	46

TABLE A-100. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	71	45	30	19	29	6	2	1	72	42	25	17	28	5	2	1	75	49	33	23	25	5	1	0	76	50	33	19	24	4	1	0
100	56	25	11	5	44	15	6	2	56	23	10	4	44	14	5	2	60	29	14	7	40	12	4	1	59	27	11	3	41	12	5	2
140	43	14	5	2	57	27	15	10	45	14	5	3	55	25	11	5	48	17	6	2	52	21	9	4	45	11	2	0	56	22	11	6
180	36	8	2	0	64	34	21	13	35	7	2	0	65	35	20	10	39	9	2	0	62	31	16	9	35	6	1	0	65	33	18	11
220	28	4	1	0	72	44	29	20	28	5	1	0	72	44	27	17	30	5	0	0	70	41	25	16	28	4	0	0	72	42	26	17
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	66	33	15	7	34	8	2	1	50	20	8	3	50	20	9	5	39	9	2	0	61	27	14	7	34	6	1	0	66	35	18	10
100	47	14	3	0	53	24	13	7	32	8	1	1	68	40	24	16	19	2	0	0	81	60	46	35	15	1	0	0	85	65	50	38
140	33	7	1	0	68	38	24	17	19	3	1	0	81	60	46	36	9	0	0	0	91	78	68	59	6	0	0	0	94	83	73	64
180	23	3	1	0	77	54	40	31	11	1	0	0	89	74	63	55	5	0	0	0	95	88	82	76	3	0	0	0	97	91	85	79
220	16	1	0	0	84	65	51	42	7	0	0	0	94	83	75	67	2	0	0	0	98	94	91	88	1	0	0	0	99	96	93	90
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	42	11	1	0	58	24	11	5	51	20	9	5	49	19	8	4	64	31	14	7	36	8	2	1	70	40	24	16	30	7	2	0
100	23	3	0	0	77	48	29	18	34	8	1	0	66	37	21	13	49	17	5	2	51	21	9	4	52	21	8	3	48	18	8	4
140	13	1	0	0	87	67	51	39	23	3	0	0	77	52	36	26	38	9	2	0	62	32	16	8	42	12	5	2	58	27	14	8
180	8	0	0	0	92	78	66	56	14	1	0	0	86	66	50	38	30	6	1	0	70	42	24	14	33	7	1	0	67	37	20	13
220	4	0	0	0	96	88	80	73	9	0	0	0	91	75	63	53	23	2	0	0	77	52	35	23	25	3	0	0	76	48	29	18

TABLE A-101. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL										
	.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.							
	DAYS							DAYS							DAYS							DAYS										
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	24	3	0	0	28	6	2	0	35	8	2	1	11	1	0	0	50	15	5	1	3	0	0	0	61	27	11	3	0	0	0	0
50/120	12	0	0	0	38	10	4	2	18	2	0	0	17	1	0	0	30	5	1	0	6	0	0	0	33	4	0	0	1	0	0	0
50/180	5	0	0	0	42	12	5	2	8	0	0	0	19	1	0	0	17	1	0	0	7	0	0	0	20	1	0	0	1	0	0	0
150/60	0	0	0	0	57	25	13	7	3	0	0	0	49	16	6	2	20	2	1	0	24	3	1	0	34	5	1	0	12	1	0	0
150/120	0	0	0	0	80	52	37	27	2	0	0	0	71	40	24	15	13	1	0	0	40	11	3	1	18	1	0	0	24	2	0	0
150/180	0	0	0	0	90	75	63	54	1	0	0	0	82	56	40	30	7	0	0	0	48	15	5	2	10	0	0	0	30	4	0	0
250/60	0	0	0	0	57	25	13	7	0	0	0	0	54	20	8	3	0	0	0	0	43	10	2	0	10	1	0	0	23	3	0	0
250/120	0	0	0	0	80	52	37	27	0	0	0	0	77	49	33	23	0	0	0	0	66	32	16	7	4	0	0	0	45	11	2	0
250/180	0	0	0	0	90	75	63	54	0	0	0	0	89	70	55	45	0	0	0	0	80	53	36	24	2	0	0	0	57	23	8	2

THRESHOLD	MAY							JUNE							JULY							AUGUST										
	.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.							
	DAYS							DAYS							DAYS							DAYS										
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	51	18	5	1	0	0	0	0	37	10	3	1	0	0	0	0	27	3	0	0	0	0	0	0	22	2	0	0	0	0	0	0
50/120	26	3	0	0	0	0	0	0	15	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
50/180	12	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/60	38	9	1	0	12	1	0	0	31	6	1	0	7	0	0	0	23	2	0	0	10	0	0	0	18	1	0	0	13	0	0	0
150/120	20	2	0	0	19	2	0	0	13	0	0	0	11	1	0	0	5	0	0	0	13	1	0	0	3	0	0	0	17	0	0	0
150/180	10	0	0	0	23	3	0	0	4	0	0	0	13	1	0	0	1	0	0	0	14	1	0	0	1	0	0	0	18	1	0	0
250/60	19	1	0	0	24	5	1	0	16	1	0	0	25	3	1	0	11	0	0	0	34	8	2	0	4	0	0	0	52	20	9	4
250/120	8	0	0	0	38	13	4	1	6	0	0	0	37	7	1	0	2	0	0	0	46	15	5	1	0	0	0	0	66	36	23	16
250/180	4	0	0	0	47	18	7	2	2	0	0	0	43	13	4	1	1	0	0	0	49	17	7	2	0	0	0	0	69	41	27	19

THRESHOLD	SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER										
	.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.							
	DAYS							DAYS							DAYS							DAYS										
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	27	3	0	0	1	0	0	0	33	7	2	0	5	0	0	0	25	3	0	0	22	4	1	0	14	1	0	0	41	11	4	1
50/120	9	0	0	0	1	0	0	0	12	1	0	0	8	0	0	0	12	0	0	0	31	10	4	1	5	0	0	0	53	20	8	3
50/180	4	0	0	0	2	0	0	0	5	0	0	0	9	1	0	0	5	0	0	0	35	11	4	2	2	0	0	0	57	22	9	4
150/60	16	1	0	0	24	2	0	0	10	1	0	0	43	16	8	4	0	0	0	0	56	24	11	5	0	0	0	0	68	35	19	11
150/120	4	0	0	0	31	6	2	0	4	0	0	0	61	34	22	16	0	0	0	0	79	54	39	29	0	0	0	0	88	69	53	42
150/180	1	0	0	0	34	7	2	0	2	0	0	0	66	42	31	25	0	0	0	0	90	75	62	52	0	0	0	0	95	85	76	68
250/60	0	0	0	0	71	41	22	13	0	0	0	0	63	33	19	11	0	0	0	0	56	24	11	5	0	0	0	0	68	35	19	11
250/120	0	0	0	0	91	76	64	55	0	0	0	0	86	66	52	42	0	0	0	0	79	54	39	29	0	0	0	0	88	69	53	42
250/180	0	0	0	0	96	89	82	75	0	0	0	0	94	82	72	64	0	0	0	0	90	75	62	52	0	0	0	0	95	85	76	68

TABLE A-102. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - FORT WAYNE, INDIANA

THRESHOLD	JANUARY							FEBRUARY							MARCH							APRIL										
	.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.							
	DAYS							DAYS							DAYS							DAYS										
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	38	8	1	0	13	2	1	0	54	21	9	5	4	0	0	0	66	34	18	11	1	0	0	0	75	47	30	18	0	0	0	0
50/120	25	3	0	0	24	5	2	0	37	11	4	2	10	1	0	0	47	13	4	1	3	0	0	0	50	16	3	1	1	0	0	0
50/180	18	2	0	0	29	7	3	1	26	5	1	0	13	1	0	0	34	7	1	0	6	0	0	0	34	6	1	0	1	0	0	0
150/60	0	0	0	0	29	6	2	1	5	0	0	0	25	4	1	0	26	4	1	0	12	1	0	0	42	9	2	0	5	0	0	0
150/120	0	0	0	0	52	22	11	7	3	0	0	0	46	16	5	2	18	2	0	0	26	5	1	0	27	3	0	0	16	1	0	0
150/180	0	0	0	0	64	34	21	13	2	0	0	0	59	27	14	6	13	1	0	0	36	9	2	1	17	1	0	0	22	2	0	0
250/60	0	0	0	0	29	6	2	1	0	0	0	0	28	5	2	1	0	0	0	0	25	5	1	0	14	2	0	0	12	1	0	0
250/120	0	0	0	0	52	22	11	7	0	0	0	0	51	20	9	4	0	0	0	0	46	16	6	3	8	0	0	0	32	6	2	0
250/180	0	0	0	0	64	34	21	13	0	0	0	0	65	35	20	10	0	0	0	0	62	31	16	9	4	0	0	0	44	12	3	0

THRESHOLD	MAY							JUNE							JULY							AUGUST										
	.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.				.GE. THRESH.			.LT. THRESH.							
	DAYS							DAYS							DAYS							DAYS										
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/60	66	33	15	7	0	0	0	0	50	20	8	3	0	0	0	0	39	9	2	0	0	0	0	0	34	6	1	0	0	0	0	0
50/120	38	9	2	0	0	0	0	0	25	4	1	0	0	0	0	0	14	1	0	0	0	0	0	0	9	0	0	0	0	0	0	0
50/180	23	3	1	0	0	0	0	0	11	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/60	49	15	3	0	8	0	0	0	42	10	2	0	4	0	0	0	33	6	1	0	7	0	0	0	27	2	1	0	10	0	0	0
150/120	27	4	0	0	14	1	0	0	20	1	0	0	8	0	0	0	12	0	0	0	12	0	0	0	7	0	0	0	15	0	0	0
150/180	17	1	0	0	18	2	0	0	10	0	0	0	12	1	0	0	4	0	0	0	14	1	0	0	2	0	0	0	17	1	0	0
250/60	24	2	0	0	14	2	0	0	22	2	0	0	17	2	0	0	15	0	0	0	26	3	0	0	6	0	0	0				

TABLE A-103. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	54	26	4	1	61	37	15	6	71	53	30	18	38	15	2	0	86	73	56	44	21	2	0	0	97	95	91	87	4	0	0	0
120	0	0	0	0	100	99	97	94	39	15	2	0	72	52	26	14	56	32	8	2	54	28	7	2	74	56	31	18	30	8	1	1
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	97	94	37	13	4	1	76	57	32	18	54	32	12	5	53	28	7	2
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	1	0	0	0	99	98	94	90	40	17	6	3	74	55	27	12
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	99	98	95	92
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	97	95	92	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0	99	98	95	93	0	0	0	0
120	86	76	59	46	19	5	1	0	95	90	81	72	4	1	0	0	93	86	72	61	10	1	0	0	90	80	65	53	16	2	0	0
180	75	57	33	19	51	29	5	1	82	69	48	35	31	11	3	1	79	62	39	25	30	10	1	0	74	53	28	14	34	8	0	0
240	60	36	15	6	64	41	16	6	68	47	20	6	52	28	7	3	58	33	8	2	49	26	9	3	47	22	6	1	67	46	23	14
300	27	7	0	0	86	74	56	42	35	15	2	0	83	67	44	30	18	5	0	0	91	83	72	65	0	0	0	0	100	100	100	100
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	97	93	86	79	1	0	0	0	86	74	54	40	21	9	2	0	62	40	16	6	60	36	15	7	34	10	1	0	68	47	23	11
120	78	61	36	22	31	12	1	1	66	46	21	10	62	41	21	11	10	1	0	0	97	95	92	91	0	0	0	0	100	100	100	100
180	57	35	13	4	59	37	14	5	18	0	0	0	98	97	96	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	12	2	0	0	91	82	68	57	10	3	0	0	88	78	61	49	21	4	0	0	81	66	43	28	19	4	0	0	80	64	41	26
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-104. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	47	26	8	2	58	39	18	9	51	25	7	3	58	34	12	5	58	36	13	4	45	20	4	0	66	43	17	5	46	22	4	1
100	28	11	0	0	72	54	34	23	34	9	1	0	71	51	28	16	45	22	4	0	62	41	17	7	47	21	3	1	62	39	17	9
140	19	4	0	0	84	70	50	38	20	3	0	0	82	67	47	34	30	12	2	0	72	53	29	15	33	10	1	0	73	53	29	18
180	12	2	0	0	91	82	68	57	10	3	0	0	88	78	61	49	21	4	0	0	81	66	43	28	19	4	0	0	80	64	41	26
220	4	0	0	0	94	88	78	69	8	1	0	0	93	87	74	64	15	2	0	0	85	73	54	40	13	1	0	0	87	74	56	43
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	58	33	9	2	55	33	12	6	52	25	6	2	70	50	26	14	34	11	0	0	77	60	38	24	30	7	0	0	80	65	43	28
100	38	10	1	0	72	54	32	21	32	9	1	0	83	69	48	33	14	3	0	0	90	82	68	58	9	1	0	0	93	86	74	64
140	28	6	0	0	83	70	53	41	19	1	0	0	91	84	72	62	7	0	0	0	97	94	88	84	6	1	0	0	98	96	92	88
180	22	4	0	0	89	79	65	54	4	0	0	0	95	91	82	75	0	0	0	0	99	97	96	93	0	0	0	0	99	98	95	93
220	12	3	0	0	93	86	75	66	1	0	0	0	97	95	90	86	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	35	11	1	0	74	56	29	16	47	24	5	1	68	49	27	15	52	26	6	1	62	39	16	6	35	13	3	1	67	47	23	13
100	15	2	0	0	88	76	58	45	29	9	0	0	83	70	50	39	35	10	1	0	77	60	38	23	15	3	0	0	84	70	48	34
140	7	0	0	0	94	89	78	69	15	0	0	0	89	79	63	51	23	4	0	0	86	74	56	42	6	0	0	0	91	82	67	56
180	3	0	0	0	96	92	84	77	5	0	0	0	94	87	76	67	13	2	0	0	91	83	68	56	2	0	0	0	94	89	79	71
220	2	0	0	0	97	95	91	86	1	0	0	0	97	94	88	82	9	1	0	0	94	89	79	70	0	0	0	0	96	92	85	78

TABLE A-105. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	63	39	17	7	57	36	15	9	60	36	12	5	61	36	14	6	54	28	9	4	66	46	21	11	46	21	1	0	75	57	37	24
100	49	22	5	1	71	53	32	21	48	20	5	2	74	56	32	19	39	12	2	0	79	63	39	25	32	9	0	0	87	76	58	46
140	32	10	3	1	80	65	46	32	34	7	0	0	82	68	47	35	25	4	0	0	85	72	51	37	20	2	0	0	92	85	73	63
180	25	5	0	0	89	78	61	48	18	3	0	0	87	76	60	49	16	2	0	0	90	80	62	48	12	0	0	0	96	91	84	78
220	23	3	0	0	92	85	72	61	13	0	0	0	92	85	71	61	11	1	0	0	94	87	76	67	5	0	0	0	97	95	90	86

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	29	6	1	0	85	74	56	43	14	4	1	0	91	84	71	60	10	1	0	0	96	91	84	77	3	0	0	0	97	94	88	81
100	16	3	0	0	94	89	82	76	4	0	0	0	98	96	92	89	0	0	0	0	99	97	94	91	2	0	0	0	99	99	97	96
140	8	0	0	0	98	96	92	89	2	0	0	0	99	98	96	95	0	0	0	0	100	99	98	98	0	0	0	0	100	99	98	97
180	4	0	0	0	99	98	97	96	0	0	0	0	99	99	97	96	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97
220	2	0	0	0	99	99	98	98	0	0	0	0	100	99	98	98	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	9	1	0	0	93	85	71	59	30	9	1	0	86	73	53	38	57	28	6	2	70	50	23	9	62	38	14	5	57	33	13	4
100	2	0	0	0	98	95	91	86	14	2	0	0	94	88	77	67	46	13	0	0	80	65	41	25	47	22	5	1	70	47	23	13
140	0	0	0	0	99	98	95	93	6	0	0	0	97	94	87	81	30	6	0	0	87	76	58	43	35	11	1	0	78	61	36	24
180	0	0	0	0	99	99	98	97	4	0	0	0	99	98	95	93	23	2	0	0	91	83	67	54	28	9	0	0	85	73	52	39
220	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	97	19	3	0	0	93	87	75	63	14	2	0	0	89	79	62	51

TABLE A-106. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	76	60	39	24	35	15	4	1	74	55	32	20	34	12	4	2	79	62	40	28	34	13	3	0	80	63	41	24	34	13	3	1
100	65	41	18	8	49	28	10	4	62	37	16	6	50	28	8	4	67	44	21	10	48	24	7	2	66	42	17	5	50	25	8	3
140	54	29	10	3	61	42	22	13	52	25	8	4	63	40	17	7	55	30	10	3	58	37	13	5	50	23	3	0	60	37	16	8
180	43	20	4	1	67	48	28	16	44	16	3	1	70	49	26	13	47	20	4	0	66	47	23	11	40	16	1	0	69	47	25	14
220	34	12	2	0	74	58	36	24	37	12	2	0	76	58	34	20	38	13	1	0	73	55	32	19	34	10	0	0	75	57	34	21

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	71	47	21	10	43	20	5	2	61	35	12	5	58	34	15	7	44	20	3	1	66	41	20	11	42	15	3	0	70	50	24	13
100	54	28	6	0	59	40	20	10	47	20	3	1	75	56	33	21	30	8	0	0	85	73	55	42	24	6	0	0	87	75	57	43
140	40	16	3	0	72	53	32	22	33	9	2	0	85	72	54	42	17	1	0	0	93	86	74	64	11	1	0	0	94	88	77	68
180	34	11	1	0	82	68	49	37	22	4	0	0	91	83	70	59	9	0	0	0	96	92	86	79	5	1	0	0	97	94	87	81
220	24	4	0	0	86	76	59	46	13	1	0	0	94	89	79	70	1	0	0	0	98	96	93	89	4	1	0	0	99	97	94	91

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	48	23	3	0	61	38	16	7	61	35	14	7	59	36	14	6	70	47	19	10	44	18	5	2	74	55	31	19	41	20	4	1
100	29	10	1	0	79	61	36	21	47	21	2	1	72	54	28	17	60	33	8	3	59	37	15	6	58	35	12	5	56	32	11	5
140	18	4	1	0	87	76	58	44	33	12	0	0	80	65	44	31	52	23	3	1	70	50	24	12	51	25	8	3	64	42	18	9
180	7	0	0	0	92	84	71	60	20	3	0	0	87	76	56	43	47	17	1	0	76	58	33	18	41	16	3	0	72	51	26	15
220	3	0	0	0	96	91	83	75	16	0	0	0	91	82	69	57	33	8	0	0	81	66	43	28	31	10	0	0	79	61	36	23

TABLE A-107. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	34	10	0	0	32	13	5	1	43	20	5	1	15	4	0	0	52	29	9	2	4	0	0	0	65	42	16	4	0	0	0	0
50/120	15	1	0	0	45	22	8	3	26	5	1	0	17	3	0	0	32	13	2	0	10	1	0	0	34	10	1	0	0	0	0	0
50/180	8	0	0	0	49	25	9	4	7	2	0	0	20	4	0	0	17	4	0	0	10	1	0	0	19	4	0	0	3	0	0	0
150/60	0	0	0	0	58	39	18	9	7	0	0	0	55	30	10	3	22	7	1	0	28	8	1	0	35	13	3	0	13	4	0	0
150/120	0	0	0	0	79	63	43	30	8	0	0	0	71	53	32	19	18	5	1	0	46	26	6	1	14	3	0	0	26	7	0	0
150/180	0	0	0	0	91	82	68	57	2	0	0	0	81	67	48	35	10	1	0	0	52	30	8	3	8	0	0	0	33	11	1	0
250/60	0	0	0	0	58	39	18	9	0	0	0	0	58	34	12	5	0	0	0	0	44	20	4	0	20	7	1	0	31	11	1	0
250/120	0	0	0	0	79	63	43	30	0	0	0	0	78	61	40	27	0	0	0	0	67	46	22	10	2	1	0	0	47	23	4	1
250/180	0	0	0	0	91	82	68	57	0	0	0	0	88	78	61	49	0	0	0	0	80	65	42	27	0	0	0	0	60	37	12	3

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	58	33	9	2	0	0	0	0	52	25	6	2	0	0	0	0	34	11	0	0	0	0	0	0	31	7	0	0	0	0	0	0
50/120	35	9	0	0	0	0	0	0	24	3	0	0	0	0	0	0	8	2	0	0	0	0	0	0	8	1	0	0	0	0	0	0
50/180	22	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/60	48	22	3	0	20	3	0	0	45	17	2	0	10	4	0	0	28	7	0	0	17	1	0	0	22	4	0	0	13	1	0	0
150/120	27	7	0	0	32	7	0	0	23	2	0	0	12	4	1	0	8	2	0	0	19	4	0	0	7	1	0	0	21	1	0	0
150/180	16	2	0	0	33	11	2	0	4	0	0	0	15	5	1	0	0	0	0	0	19	4	0	0	0	0	0	0	25	3	0	0
250/60	23	4	0	0	36	16	3	0	29	7	1	0	29	9	1	0	10	1	0	0	42	18	3	0	1	0	0	0	58	36	15	6
250/120	8	1	0	0	50	29	8	2	13	0	0	0	44	18	3	1	0	0	0	0	49	27	9	2	0	0	0	0	72	53	32	22
250/180	3	0	0	0	58	37	12	4	3	0	0	0	52	28	8	3	0	0	0	0	53	30	10	3	0	0	0	0	75	58	36	26

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	34	10	1	0	0	0	0	0	42	18	4	1	9	4	0	0	30	11	0	0	38	15	4	1	20	5	0	0	45	22	7	2
50/120	12	1	0	0	0	0	0	0	16	3	0	0	9	3	0	0	15	1	0	0	47	27	10	4	5	2	0	0	58	35	13	5
50/180	3	0	0	0	0	0	0	0	3	0	0	0	12	4	1	0	7	1	0	0	48	28	11	4	1	0	0	0	59	36	14	6
150/60	20	4	0	0	28	9	1	0	25	8	0	0	57	34	15	9	0	0	0	0	62	39	16	6	0	0	0	0	67	47	23	13
150/120	3	0	0	0	37	15	4	0	4	0	0	0	71	55	35	25	0	0	0	0	82	67	48	34	0	0	0	0	88	77	59	46
150/180	0	0	0	0	40	18	4	1	0	0	0	0	77	64	47	39	0	0	0	0	91	83	68	56	0	0	0	0	94	89	79	71
250/60	0	0	0	0	74	56	29	16	0	0	0	0	68	49	27	15	0	0	0	0	62	39	16	6	0	0	0	0	67	47	23	13
250/120	0	0	0	0	91	83	70	59	0	0	0	0	87	76	59	47	0	0	0	0	82	67	48	34	0	0	0	0	88	77	59	46
250/180	0	0	0	0	96	92	84	77	0	0	0	0	94	87	76	67	0	0	0	0	91	83	68	56	0	0	0	0	94	89	79	71

TABLE A-108. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - FORT WAYNE, INDIANA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	48	21	3	0	17	6	3	0	58	36	15	7	4	1	0	0	69	49	25	15	0	0	0	0	79	61	38	22	0	0	0	0
50/120	38	11	0	0	29	14	5	1	46	22	7	3	15	4	0	0	50	26	8	2	5	0	0	0	56	30	6	1	0	0	0	0
50/180	27	8	0	0	36	18	7	2	36	12	2	0	15	3	0	0	42	17	3	0	7	0	0	0	39	16	1	0	0	0	0	0
150/60	0	0	0	0	35	15	4	1	10	0	0	0	32	10	2	0	30	11	3	1	16	1	0	0	43	18	4	0	9	1	0	0
150/120	0	0	0	0	57	37	17	10	10	0	0	0	54	30	9	3	21	7	1	0	36	14	2	1	28	10	1	0	18	5	0	0
150/180	0	0	0	0	67	48	28	18	6	0	0	0	65	43	20	8	20	6	1	0	43	24	4	1	16	3	0	0	24	7	0	0
250/60	0	0	0	0	35	15	4	1	0	0	0	0	34	12	4	2	0	0	0	0	34	13	3	0	20	9	2	0	19	5	1	0
250/120	0	0	0	0	57	37	17	10	0	0	0	0	59	35	14	6	0	0	0	0	53	30	9	4	14	4	0	0	37	16	4	1
250/180	0	0	0	0	67	48	28	18	0	0	0	0	70	49	26	13	0	0	0	0	66	46	22	11	4	1	0	0	48	24	5	1

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	71	47	21	10	0	0	0	0	61	35	12	5	0	0	0	0	44	20	3	1	0	0	0	0	42	15	3	0	0	0	0	0
50/120	47	20	3	0	0	0	0	0	39	13	2	0	0	0	0	0	18	4	0	0	0	0	0	0	18	2	0	0	0	0	0	0
50/180	34	11	1	0	0	0	0	0	22	4	0	0	0	0	0	0	9	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0
150/60	56	29	6	1	16	2	0	0	51	24	4	0	4	1	0	0	38	15	3	1	6	0	0	0	30	7	1	0	12	1	0	0
150/120	35	11	0	0	22	4	0	0	32	5	0	0	12	3	0	0	15	2	0	0	17	3	0	0	10	1	0	0	20	1	0	0
150/180	25	5	0	0	30	7	0	0	20	2	0	0	13	4	1	0	9	0	0	0	19	5	0	0	4	1	0	0	22	2	0	0
250/60	29	6	1	0	31	11	1	0	32	6	1	0	22	7	1	0	16	3	0	0	30	8	1	0	5	0	0	0	46	26	8	2
250/120	12	1	0	0	38	19	5	2	19	2	0	0	35	12	2	0	6	0	0	0	46	23	6	1	0	0	0	0	67	48	27	17
250/180	6	1	0	0	52	31	9	3	10	1	0	0	47	23	6	2	2	0	0	0	51	29	10	2	0	0	0	0	72	54	33	22

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					

TABLE A-109. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GOODLAND, KANSAS

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	85 66 53 43	15 1 0 0	86 69 55 43	14 1 0 0	91 77 67 59	9 0 0 0	97 91 85 80	3 0 0 0
120	34 13 7 4	66 40 27 16	71 41 23 12	29 5 1 0	78 54 38 28	22 3 1 0	87 69 56 47	13 1 0 0
180	0 0 0 0	100 100 100 100	22 7 2 0	78 59 48 39	63 34 18 11	37 9 3 1	77 52 36 25	23 3 0 0
240	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	24 7 2 1	76 52 38 29	64 32 17 9	36 8 2 0
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	26 7 2 1	74 48 33 21
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	98 95 91 86	2 0 0 0	100 99 98 97	0 0 0 0	100 100 100 100	0 0 0 0	100 99 98 98	0 0 0 0
120	90 77 65 56	10 0 0 0	97 92 88 84	3 0 0 0	99 95 92 89	1 0 0 0	96 87 80 73	4 0 0 0
180	62 63 48 37	18 2 0 0	93 84 76 70	7 0 0 0	95 89 83 77	5 0 0 0	90 76 65 55	10 1 0 0
240	71 47 31 21	29 8 2 0	85 68 56 46	15 1 0 0	88 72 59 46	12 2 0 0	79 57 41 29	21 5 2 0
300	54 25 12 6	45 17 6 1	72 46 29 18	28 5 1 1	68 38 21 11	32 7 2 0	34 11 5 3	66 45 37 34
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	96 90 86 81	4 0 0 0	94 84 75 66	6 0 0 0	86 69 56 45	14 3 1 0	81 58 41 29	19 2 0 0
120	86 70 58 46	14 2 0 0	82 62 47 36	18 4 2 1	55 23 11 5	45 20 14 12	0 0 0 0	100 100 100 100
180	77 54 39 26	23 5 1 0	41 23 13 8	59 46 43 42	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
240	45 22 12 7	55 37 30 23	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100

TABLE A-110. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GOODLAND, KANSAS

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	36 6 1 0	64 30 15 9	42 12 4 1	58 23 10 5	54 20 8 3	46 14 6 3	62 27 11 5	38 8 2 1
120	17 1 0 0	83 59 42 31	23 3 0 0	77 48 31 21	33 5 1 0	67 35 20 11	42 8 1 0	58 24 11 5
200	10 0 0 0	90 72 59 49	15 1 0 0	85 65 50 41	22 1 0 0	78 51 32 20	30 4 0 0	70 39 23 14
260	7 0 0 0	93 81 71 62	9 1 0 0	91 79 69 62	14 1 0 0	86 65 48 34	20 1 0 0	80 55 40 29
320	4 0 0 0	96 88 81 75	6 1 0 0	94 85 78 72	11 0 0 0	89 72 57 44	15 1 0 0	85 65 52 41
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	57 20 6 1	43 10 2 1	56 23 8 3	44 14 5 1	41 10 3 1	59 27 14 9	41 10 3 1	59 25 11 5
120	33 5 1 0	67 31 15 7	33 7 2 1	67 38 23 14	18 1 0 0	82 58 42 33	19 2 0 0	81 58 43 33
200	21 3 0 0	79 54 37 27	20 2 0 0	80 58 43 35	8 0 0 0	92 79 69 60	7 0 0 0	93 82 72 65
260	14 1 0 0	86 66 52 42	11 1 0 0	89 76 67 61	3 0 0 0	97 91 87 82	2 0 0 0	98 93 89 86
320	9 0 0 0	91 76 64 55	6 1 0 0	94 85 77 71	1 0 0 0	99 96 93 91	1 0 0 0	99 96 94 91
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	38 8 2 0	62 27 12 5	37 7 2 1	63 27 10 4	37 6 1 0	63 27 11 6	34 7 2 0	66 32 17 9
120	16 1 0 0	84 64 48 36	16 1 0 0	84 61 46 33	19 1 0 0	81 56 38 25	17 1 0 0	83 58 42 31
200	7 0 0 0	93 81 70 61	9 0 0 0	91 76 64 54	12 0 0 0	88 71 55 43	11 1 0 0	89 71 58 48
260	4 0 0 0	96 88 81 74	5 0 0 0	95 85 78 70	6 0 0 0	94 83 73 64	6 0 0 0	94 84 73 64
320	2 0 0 0	98 95 91 87	3 0 0 0	97 91 86 81	5 0 0 0	95 87 80 74	3 0 0 0	97 90 83 76

TABLE A-115. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	87	77	61	50	19	4	0	0	88	78	62	48	22	5	0	0	91	84	72	63	8	2	0	0	97	94	88	82	2	0	0	0
120	55	33	15	9	77	61	41	28	76	56	30	15	37	15	2	0	82	67	47	34	29	12	3	0	89	79	64	53	25	7	0	0
180	0	0	0	0	100	100	100	100	51	27	9	1	86	76	61	50	70	50	26	15	44	20	5	1	81	67	45	30	34	13	0	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	48	25	8	3	81	67	50	38	69	49	25	13	46	20	4	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	42	22	7	2	79	63	44	28

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	98	96	93	90	0	0	0	0	99	99	98	97	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	98	0	0	0	0
120	92	85	72	61	19	3	0	0	97	95	90	86	4	1	0	0	98	97	93	90	2	0	0	0	96	91	83	75	5	0	0	0
180	86	76	58	43	35	12	1	0	95	90	81	74	13	2	0	0	96	93	86	80	12	4	0	0	92	84	71	60	21	8	1	0
240	79	64	41	28	44	23	6	1	89	79	64	52	24	4	0	0	90	81	66	53	28	11	1	0	84	71	50	35	41	17	6	1
300	64	44	19	10	58	35	12	5	78	61	38	23	39	13	3	1	74	53	30	15	47	22	5	0	52	26	10	6	80	68	57	53

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	97	94	88	84	10	3	0	0	95	89	79	70	13	3	0	0	89	80	65	51	26	12	2	0	84	70	49	35	31	8	0	0
120	89	80	65	53	30	10	1	0	87	74	54	40	32	12	3	2	61	39	18	8	59	41	29	26	0	0	0	0	100	100	100	100
180	82	67	48	33	35	15	4	0	69	51	28	16	84	78	73	72	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	65	44	23	13	78	65	53	50	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-116. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	36	14	3	0	63	42	20	12	45	24	8	2	60	36	14	7	58	35	13	5	50	29	10	4	64	42	17	7	41	20	5	1
140	19	4	0	0	63	69	48	35	28	12	2	0	77	60	38	25	42	15	2	1	71	51	28	15	43	18	3	0	60	39	17	7
200	9	2	0	0	89	79	65	53	20	7	2	0	86	75	57	46	30	5	0	0	81	64	39	25	35	11	1	0	72	54	31	19
260	4	1	0	0	93	86	75	66	15	7	3	0	92	86	75	67	20	3	0	0	88	78	56	39	22	5	0	0	81	68	49	36
320	4	0	0	0	96	92	84	77	13	4	1	0	95	91	82	76	13	2	0	0	90	80	63	48	17	3	0	0	87	75	60	47

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	58	33	9	2	46	21	5	2	60	37	13	5	50	28	10	3	45	20	5	2	62	40	19	11	46	20	5	1	62	39	16	7
140	36	13	2	0	68	45	21	10	40	17	4	1	72	52	30	18	19	4	0	0	82	68	49	37	23	9	1	0	83	69	50	38
200	28	10	1	0	81	67	45	32	25	7	0	0	83	69	50	39	11	1	0	0	92	85	74	64	8	0	0	0	93	87	76	68
260	20	3	0	0	87	76	59	47	17	6	0	0	91	84	73	66	3	0	0	0	97	94	89	84	6	0	0	0	98	96	92	87
320	11	1	0	0	91	83	70	59	16	4	0	0	95	90	81	74	0	0	0	0	99	97	94	92	4	0	0	0	99	97	95	92

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	41	19	5	1	65	43	18	8	39	16	4	1	64	41	15	6	36	14	2	0	63	41	17	8	39	18	5	1	68	47	24	12
140	26	8	1	0	86	75	56	41	22	3	0	0	84	72	54	38	18	5	0	0	83	68	45	29	17	4	0	0	83	69	49	37
200	10	2	0	0	93	87	75	65	12	0	0	0	91	83	70	58	10	2	0	0	89	79	62	47	10	4	0	0	89	79	64	53
260	7	2	0	0	96	92	85	77	7	0	0	0	95	90	82	73	4	1	0	0	94	88	78	68	8	2	0	0	94	88	77	67
320	5	1	0	0	98	96	92	86	1	0	0	0	97	94	89	82	2	1	0	0	95	91	84	77	4	1	0	0	97	93	87	80

TABLE A-117. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	50	23	6	1	69	50	28	18	49	23	5	1	71	52	27	13	60	34	13	6	62	40	19	10	59	34	12	4	64	41	18	8
140	25	8	1	0	86	75	57	44	32	9	1	0	89	77	58	42	46	18	4	1	79	62	40	25	34	9	1	0	77	60	37	23
200	19	5	1	0	94	88	78	71	23	6	0	0	93	86	73	62	30	8	3	0	86	75	55	40	22	5	0	0	90	82	67	54
260	8	1	0	0	95	91	84	79	17	3	0	0	95	90	81	74	22	3	0	0	91	82	67	56	13	2	0	0	93	88	79	70
320	5	0	0	0	96	93	88	83	9	3	0	0	97	93	87	81	20	2	0	0	94	88	77	67	4	0	0	0	96	92	86	80
MAY				JUNE				JULY				AUGUST																				
80	50	23	5	1	71	50	27	15	37	16	2	0	80	63	41	27	33	11	3	1	80	66	49	37	23	6	1	0	82	67	47	34
140	19	4	0	0	88	78	61	49	17	5	0	0	92	84	72	63	4	1	0	0	95	91	84	78	4	2	0	0	95	90	79	71
200	10	1	0	0	94	98	79	71	9	3	0	0	96	92	84	78	1	0	0	0	99	98	96	94	1	0	0	0	99	97	94	90
260	4	1	0	0	98	95	91	87	2	2	0	0	99	98	95	93	0	0	0	0	100	99	99	98	0	0	0	0	99	98	96	94
320	2	0	0	0	99	96	93	91	3	2	0	0	99	99	98	97	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	98
SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																				
80	46	19	5	1	74	56	33	19	41	16	2	0	78	60	36	22	41	18	4	1	72	52	29	16	48	24	8	3	70	49	27	15
140	32	9	1	0	83	78	63	50	24	3	0	0	89	79	62	50	23	4	0	0	87	74	56	43	25	7	0	0	87	75	57	43
200	11	1	0	0	76	59	37	24	40	20	5	1	73	53	32	19	52	26	7	3	60	38	15	6	53	29	7	2	57	33	11	4
260	2	0	0	0	85	73	55	42	35	15	3	1	81	66	45	31	41	16	3	1	71	53	30	16	46	20	3	1	66	46	21	10
320	0	0	0	0	89	99	98	97	2	0	0	0	98	96	91	87	5	0	0	0	98	96	92	88	9	0	0	0	97	94	88	83

TABLE A-118. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	70	50	29	19	52	13	3	0	73	54	32	19	38	19	6	3	83	70	50	37	25	8	0	0	85	74	56	41	21	9	1	0
140	47	23	6	1	56	32	15	9	54	30	10	2	58	36	15	8	65	43	22	13	47	23	7	2	69	49	23	12	41	18	6	1
200	30	11	1	0	76	59	37	24	40	20	5	1	73	53	32	19	52	26	7	3	60	38	15	6	53	29	7	2	57	33	11	4
260	28	10	1	0	85	73	55	42	35	15	3	1	81	66	45	31	41	16	3	1	71	53	30	16	46	20	3	1	66	46	21	10
320	22	6	1	0	88	77	61	49	25	13	3	0	87	76	58	44	36	11	3	1	80	64	39	23	37	12	2	0	75	58	35	21
MAY				JUNE				JULY				AUGUST																				
80	78	62	37	22	22	4	0	0	79	63	38	21	29	11	2	0	71	50	30	19	35	16	5	1	70	49	28	16	39	16	4	3
140	59	33	10	2	47	22	6	3	59	36	11	3	53	29	8	2	44	22	6	2	62	39	21	14	47	23	4	1	65	43	19	10
200	47	23	4	0	65	41	20	11	44	22	5	1	72	51	27	16	26	9	1	0	79	64	44	32	32	11	1	0	81	66	45	30
260	33	12	2	0	76	58	34	22	33	13	3	1	81	65	46	35	17	3	0	0	91	82	69	57	13	1	0	0	90	80	64	51
320	26	5	0	0	83	69	49	35	24	7	0	0	87	75	60	49	8	1	0	0	95	91	84	77	7	2	0	0	95	90	81	73
SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																				
80	70	50	26	14	40	17	4	1	68	46	22	11	42	17	2	1	68	46	22	12	38	16	2	0	74	55	33	20	40	17	4	1
140	51	27	8	2	64	41	19	9	44	17	1	0	64	41	17	7	45	19	3	1	62	41	16	8	52	29	9	2	63	40	16	8
200	41	18	5	0	79	63	38	23	32	7	0	0	79	62	40	26	28	9	0	0	74	56	31	18	31	14	1	0	76	57	36	23
260	30	10	3	0	86	74	55	42	23	2	0	0	86	74	55	40	19	4	0	0	81	67	44	28	20	6	1	0	84	70	51	38
320	20	5	0	0	91	82	69	57	17	1	0	0	90	80	65	52	12	1	0	0	88	78	60	45	20	5	0	0	88	77	60	48

TABLE A-119. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	23	4	0	0	6	1	0	0	33	13	3	1	7	2	0	0	46	21	6	2	2	0	0	0	57	33	12	5	0	0	0	0
50/200	4	1	0	0	10	2	0	0	17	2	0	0	14	3	0	0	25	5	0	0	2	0	0	0	34	10	1	0	0	0	0	0
50/300	1	0	0	0	12	2	0	0	7	2	1	0	18	4	0	0	12	1	0	0	2	0	0	0	19	4	0	0	0	0	0	0
150/100	0	0	0	0	72	51	29	17	19	4	0	0	34	13	3	0	36	15	3	1	24	6	0	0	49	25	7	1	10	1	0	0
150/200	0	0	0	0	89	78	60	47	4	0	0	0	42	19	4	1	19	2	0	0	34	10	1	0	27	7	0	0	21	2	0	0
150/300	0	0	0	0	95	90	78	67	1	0	0	0	49	26	8	2	8	1	0	0	34	12	0	0	15	3	0	0	29	8	0	0
250/100	0	0	0	0	72	53	30	19	0	0	0	0	69	47	24	13	7	2	0	0	54	31	13	6	34	13	2	0	18	2	0	0
250/200	0	0	0	0	89	79	65	53	0	0	0	0	86	75	57	46	0	0	0	0	72	54	30	18	16	4	0	0	33	9	1	0
250/300	0	0	0	0	96	91	83	76	0	0	0	0	94	90	81	74	0	0	0	0	78	63	43	29	9	3	0	0	42	17	2	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	51	24	5	0	0	0	0	0	51	27	7	2	0	0	0	0	31	11	1	0	0	0	0	0	39	16	3	0	0	0	0	0
50/200	28	10	1	0	0	0	0	0	25	7	0	0	0	0	0	0	11	1	0	0	0	0	0	0	8	0	0	0	0	0	0	0
50/300	14	1	0	0	0	0	0	0	11	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
150/100	43	19	2	0	13	2	1	0	48	25	6	1	2	1	0	0	31	11	1	0	2	0	0	0	39	15	3	0	10	1	0	0
150/200	21	6	0	0	22	6	2	0	24	6	0	0	6	1	0	0	11	1	0	0	6	1	0	0	8	0	0	0	17	1	0	0
150/300	10	1	0	0	26	8	1	0	7	3	0	0	6	1	0	0	1	0	0	0	6	1	0	0	4	0	0	0	17	1	0	0
250/100	31	11	2	0	20	6	2	0	43	20	4	1	10	1	0	0	30	9	1	0	22	10	1	0	36	13	1	0	30	9	2	0
250/200	18	4	0	0	37	19	6	1	20	5	0	0	20	2	0	0	10	1	0	0	29	13	2	0	9	0	0	0	44	17	5	1
250/300	6	0	0	0	43	23	7	1	7	3	0	0	23	4	0	0	1	0	0	0	31	13	2	0	2	0	0	0	45	19	8	3

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	35	16	4	1	3	0	0	0	30	9	2	0	3	2	0	0	26	9	1	0	17	6	1	0	26	9	1	0	14	3	0	0
50/200	10	2	0	0	5	1	0	0	10	0	0	0	6	2	0	0	8	2	0	0	17	4	1	0	9	3	0	0	20	5	0	0
50/300	5	1	0	0	5	1	0	0	2	0	0	0	8	2	0	0	2	1	0	0	19	5	1	0	4	1	0	0	22	6	0	0
150/100	30	9	1	0	26	7	1	0	20	4	0	0	22	8	3	1	7	2	0	0	68	49	24	13	0	0	0	0	74	54	31	20
150/200	7	0	0	0	34	13	2	0	8	0	0	0	36	18	5	3	2	0	0	0	86	75	58	44	0	0	0	0	89	79	64	53
150/300	2	0	0	0	35	15	3	0	0	0	0	0	40	19	7	3	0	0	0	0	92	86	77	69	0	0	0	0	96	92	84	76
250/100	16	4	0	0	65	47	27	14	0	0	0	0	73	53	29	14	0	0	0	0	71	52	26	15	0	0	0	0	84	54	31	20
250/200	3	0	0	0	81	70	56	46	0	0	0	0	93	70	58	0	0	0	0	89	79	62	47	0	0	0	0	79	57	34	23	
250/300	0	0	0	0	83	74	63	57	0	0	0	0	97	92	86	79	0	0	0	0	94	90	81	73	0	0	0	0	96	92	84	76

TABLE A-120. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GOODLAND, KANSAS

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	53	32	11	3	6	1	0	0	60	37	15	5	6	3	0	0	71	52	31	19	3	0	0	0	81	65	42	26	0	0	0	0
50/200	19	6	0	0	8	2	0	0	32	13	3	1	11	2	0	0	46	21	4	1	2	0	0	0	52	27	6	2	0	0	0	0
50/300	9	2	0	0	9	2	0	0	21	4	0	0	13	3	0	0	30	8	1	0	2	0	0	0	38	11	2	0	0	0	0	0
150/100	0	0	0	0	44	23	6	2	36	14	2	1	20	7	1	0	55	34	15	9	12	1	0	0	68	47	25	13	3	0	0	0
150/200	0	0	0	0	75	57	33	21	17	5	0	0	37	15	4	1	36	13	0	0	25	4	0	0	44	21	4	1	16	0	0	0
150/300	0	0	0	0	67	55	41	6	0	0	0	42	19	4	1	25	7	0	0	31	8	1	0	29	9	0	0	23	4	0	0	
250/100	0	0	0	0	45	23	7	3	0	0	0	0	46	24	8	4	24	6	0	0	30	10	2	1	53	29	10	4	9	1	0	0
250/200	0	0	0	0	76	59	37	24	0	0	0	0	73	53	32	19	6	0	0	0	56	34	12	4	30	14	1	0	25	3	0	0
250/300	0	0	0	0	88	76	59	46	0	0	0	0	85	72	52	38	3	0	0	0	68	50	27	13	18	5	0	0	30	9	1	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	71	50	26	13	0	0	0	0	73	54	28	14	0	0	0	0	60	38	18	11	0	0	0	0	59	36	16	8	0	0	0	0
50/200	47	23	4	0	0	0	0	0	44	22	5	1	0	0	0	0	26	9	1	0	0	0	0	0	32	11	1	0	0	0	0	0
50/300	29	6	0	0	0	0	0	0	25	8	2	1	0	0	0	0	11	2	0	0	0	0	0	0	8	1	0	0	0	0	0	0
150/100	61	39	15	6	4	0	0	0	69	49	23	11	2	1	0	0	59	37	17	10	0	0	0	0	57	34	14	7	4	0	0	0
150/200	40	17	1	0	15	3	0	0	41	20	5	1	6	1	0	0	26	9	1	0	2	0	0	0	32	12	1	0	16	1	0	0
150/300	21	5	0	0	19	5	2	0	23	7	1	1	6	1	0	0	11	2	0	0	6	1	0	0	8	1	0	0	17	1	0	0
250/100	48	25	8	1	12	3	0	0	62	40	15	6	8	1	0	0	55	31	14	8	16	4	0	0	50	27	8	3	19	4	0	0
250/200	30	9	1	0	26	10	2	0	38	18	5	1	15	2	0	0	24	8	1	0	24	8	1	0	27	10	1	0	37	13	2	0
250/300	16	3	0	0	36	17	4	1	19	6	2	1	20	3	0	0	11	2	0	0	29	13	2	0	6	1	0	0	44	17	6	1

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	

TABLE A-121. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	74	46	28	18	26	4	1	0	80	56	42	31	20	3	0	0	90	75	63	54	10	0	0	0	96	90	85	80	4	0	0	0
120	12	2	0	0	88	74	64	56	58	25	10	4	42	12	6	3	69	42	27	18	31	7	2	0	83	62	46	35	17	2	0	0
180	0	0	0	0	100	100	100	100	5	1	0	0	95	88	82	75	52	22	10	6	48	16	5	1	70	42	26	15	30	6	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	3	1	0	89	75	65	57	54	24	10	5	46	17	7	4
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	15	4	1	0	85	68	56	47

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	98	96	94	92	2	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97	0	0	0	0								
120	90	77	67	58	10	1	0	0	96	90	84	79	4	0	0	0	98	93	89	85	2	0	0	0	94	84	75	67	6	0	0	0
180	77	54	39	28	23	4	1	0	89	75	64	55	11	0	0	0	91	76	64	55	9	0	0	0	86	67	51	38	14	1	0	0
240	65	38	22	14	35	10	3	1	60	58	43	32	20	3	1	0	81	57	39	28	19	2	1	0	71	43	26	15	29	6	2	0
300	48	19	8	2	52	22	8	3	64	34	18	11	36	9	3	1	62	29	13	5	38	10	2	1	20	5	1	0	80	65	61	59

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	96	90	84	78	4	0	0	0	92	82	72	63	8	1	0	0	77	53	37	26	23	5	2	0	68	38	21	12	32	7	1	1
120	82	63	50	39	18	3	0	0	74	51	37	27	26	8	3	1	26	9	3	0	74	60	57	55	0	0	0	0	100	100	100	100
180	69	44	29	21	31	8	2	1	32	17	11	6	68	57	54	53	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	29	10	3	0	96	87	80	73	5	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-122. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	33	5	0	0	67	35	20	12	38	7	1	0	63	26	11	5	56	20	7	4	44	10	3	1	65	31	16	7	35	9	4	2
140	16	1	0	0	84	61	45	35	19	2	0	0	81	56	38	26	36	7	2	0	64	28	15	9	43	11	2	0	57	24	13	8
200	8	0	0	0	92	77	66	56	9	0	0	0	91	74	59	47	24	3	0	0	78	45	29	20	31	5	1	0	69	40	27	18
260	4	0	0	0	96	87	80	73	5	0	0	0	95	85	75	66	16	1	0	0	84	60	45	34	20	2	0	0	80	56	42	33
320	3	0	0	0	97	91	86	80	3	0	0	0	97	91	84	78	11	0	0	0	89	70	57	47	16	1	0	0	85	65	52	43

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	59	22	7	2	41	9	2	0	55	23	10	4	46	17	8	5	33	6	1	0	67	38	23	14	33	6	2	1	68	34	16	8
140	36	5	1	0	65	30	15	8	31	7	2	0	70	42	28	19	12	1	0	0	88	71	58	47	13	1	0	0	88	69	52	40
200	20	1	0	0	80	53	35	25	17	2	0	0	83	63	49	40	4	0	0	0	96	88	81	75	4	0	0	0	96	87	77	69
260	12	0	0	0	89	70	56	46	8	0	0	0	93	81	73	66	2	0	0	0	99	94	90	86	2	0	0	0	99	94	88	83
320	6	0	0	0	94	83	75	69	5	0	0	0	95	88	81	75	0	0	0	0	100	97	95	92	1	0	0	0	100	97	94	91

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	39	9	2	0	61	30	14	8	37	8	1	0	63	31	18	10	38	4	0	0	62	26	12	6	29	3	1	0	71	37	19	11
140	17	1	0	0	83	60	44	33	18	1	0	0	82	58	43	34	19	1	0	0	81	57	41	29	13	0	0	0	88	66	50	37
200	7	0	0	0	93	81	72	64	10	1	0	0	90	75	63	52	10	1	0	0	90	74	62	51	7	0	0	0	93	80	68	59
260	3	0	0	0	97	91	87	83	5	0	0	0	95	87	80	74	5	0	0	0	95	85	77	70	4	0	0	0	96	88	81	74
320	1	0	0	0	99	95	93	90	2	0	0	0	98	94	91	87	3	0	0	0	97	92	86	80	3	0	0	0	97	92	86	81

TABLE A-123. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	36	11	3	1	64	35	21	14	37	10	3	1	63	34	18	10	39	11	2	1	61	31	17	9	43	12	4	1	58	27	15	9
140	18	3	1	0	82	62	48	38	20	3	1	0	80	59	43	30	22	3	0	0	78	54	38	26	22	2	0	0	78	54	39	30
200	11	1	0	0	89	73	63	54	11	2	0	0	89	77	66	56	14	2	0	0	86	68	53	41	12	1	0	0	88	71	59	51
260	7	1	0	0	93	82	74	66	7	1	0	0	93	84	75	67	9	1	0	0	91	77	66	55	7	0	0	0	93	84	76	71
320	4	0	0	0	96	88	83	78	5	0	0	0	95	89	82	77	6	0	0	0	94	85	76	67	4	0	0	0	96	89	84	79
	MAY				JUNE				JULY				AUGUST																			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	28	7	2	1	72	47	31	23	18	2	0	0	83	63	48	37	11	2	0	0	90	76	65	55	10	1	0	0	90	76	65	52
140	9	0	0	0	91	78	67	59	4	0	0	0	96	87	81	75	2	0	0	0	98	94	90	86	1	0	0	0	100	97	93	90
200	3	0	0	0	97	91	86	83	2	0	0	0	99	94	90	87	1	0	0	0	99	97	94	91	0	0	0	0	100	99	96	95
260	1	0	0	0	99	96	93	91	0	0	0	0	100	99	97	96	0	0	0	0	100	98	97	95	0	0	0	0	100	99	97	96
320	1	0	0	0	100	98	95	94	0	0	0	0	100	100	99	99	0	0	0	0	100	98	97	95	0	0	0	0	100	99	97	96
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	16	1	0	0	84	64	48	36	23	4	0	0	77	55	40	30	33	8	1	0	67	38	23	14	32	8	2	1	68	40	24	14
140	4	0	0	0	96	89	83	77	9	1	0	0	91	78	67	58	16	1	0	0	84	64	48	36	16	2	0	0	84	65	50	39
200	1	0	0	0	99	96	94	92	4	0	0	0	96	90	84	78	9	0	0	0	91	79	67	58	9	1	0	0	91	77	65	54
260	0	0	0	0	100	98	97	96	2	0	0	0	98	93	89	84	5	0	0	0	95	86	77	69	5	0	0	0	95	85	77	69
320	0	0	0	0	100	99	99	99	1	0	0	0	99	96	94	91	3	0	0	0	97	91	86	82	3	0	0	0	97	90	84	77

TABLE A-124. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	64	33	17	9	36	11	5	2	64	33	19	12	36	9	3	1	74	44	27	17	26	4	1	0	81	56	39	28	19	3	1	0
140	40	12	3	1	60	29	16	11	43	12	3	1	57	25	11	6	55	21	7	3	45	12	4	1	63	31	16	7	37	12	5	3
200	27	5	1	0	73	45	30	22	31	6	1	0	69	41	25	17	40	10	3	1	60	26	14	9	48	15	4	1	52	21	11	6
260	17	2	0	0	83	60	46	35	21	3	0	0	80	56	38	27	32	6	2	1	68	36	20	12	37	7	2	1	63	31	18	10
320	12	1	0	0	88	70	56	45	14	1	0	0	86	67	51	39	25	4	1	0	75	46	29	19	30	5	1	0	71	41	27	19
	MAY				JUNE				JULY				AUGUST																			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	73	41	23	13	27	3	1	0	68	39	23	13	32	7	2	1	51	17	6	2	49	18	9	4	51	16	6	2	50	15	3	1
140	55	19	6	1	45	13	4	1	44	16	6	2	56	26	14	9	27	4	0	0	73	48	33	24	26	5	1	1	74	46	28	17
200	39	9	3	1	62	29	14	8	29	6	2	0	72	46	31	22	13	1	0	0	87	70	59	50	13	1	0	0	88	69	53	40
260	24	2	0	0	76	48	30	22	18	3	0	0	82	63	50	42	6	0	0	0	95	85	78	71	6	0	0	0	95	84	74	64
320	16	1	0	0	84	62	47	37	12	1	0	0	88	72	62	53	3	0	0	0	97	91	86	81	3	0	0	0	97	90	82	75
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	56	22	8	2	44	14	4	1	58	26	11	5	42	13	4	1	63	30	15	8	37	9	3	1	62	29	14	7	38	8	3	1
140	34	7	1	0	66	36	20	13	36	9	2	0	64	34	21	13	41	9	2	0	59	25	11	5	37	9	2	0	63	31	15	9
200	19	1	0	0	81	55	38	26	23	4	0	0	77	51	36	27	27	3	0	0	73	43	27	18	22	2	1	0	78	50	32	21
260	11	0	0	0	89	74	61	51	15	1	0	0	85	64	51	40	19	1	0	0	81	57	39	27	15	1	0	0	85	62	46	35
320	6	0	0	0	94	84	76	68	9	1	0	0	91	77	65	55	13	1	0	0	87	68	53	41	11	1	0	0	89	72	58	47

TABLE A-125. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	18	1	0	0	12	1	0	0	24	2	0	0	9	0	0	0	42	10	3	1	55	21	8	2	1	0	0	0				
50/200	6	0	0	0	19	2	0	0	7	0	0	0	12	1	0	0	21	2	0	0	4	0	0	0	30	5	1	0	1	0	0	0
50/300	2	0	0	0	19	2	0	0	3	0	0	0	13	1	0	0	12	0	0	0	6	0	0	0	17	1	0	0	1	0	0	0
150/100	0	0	0	0	74	43	26	18	8	1	0	0	47	16	7	3	26	4	1	0	18	2	1	0	41	12	5	2	9	0	0	0
150/200	0	0	0	0	92	77	66	56	2	0	0	0	61	33	20	12	12	1	0	0	28	6	1	0	22	3	0	0	16	2	0	0
150/300	0	0	0	0	97	90	85	79	1	0	0	0	65	38	24	15	7	0	0	0	33	9	2	1	14	0	0	0	20	3	0	0
250/100	0	0	0	0	74	43	26	18	0	0	0	0	71	39	22	13	2	0	0	0	50	15	6	2	28	5	1	0	19	3	1	0
250/200	0	0	0	0	92	77	66	56	0	0	0	0	91	74	59	47	1	0	0	0	71	39	24	16	14	1	0	0	31	8	3	1
250/300	0	0	0	0	97	90	85	79	0	0	0	0	96	88	79	72	0	0	0	0	81	55	40	29	8	0	0	0	38	12	3	1

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	51	14	4	1	0	0	0	0	44	15	5	1	0	0	0	0	26	4	0	0	0	0	0	0	25	3	1	0	0	0	0	0
50/200	20	1	0	0	0	0	0	0	17	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
50/300	8	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/100	40	7	1	0	7	0	0	0	41	13	4	1	4	0	0	0	25	3	0	0	4	0	0	0	23	3	1	0	8	0	0	0
150/200	16	0	0	0	14	1	0	0	16	2	0	0	6	0	0	0	4	0	0	0	5	0	0	0	4	0	0	0	9	0	0	0
150/300	6	0	0	0	16	2	0	0	5	0	0	0	7	0	0	0	1	0	0	0	5	0	0	0	1	0	0	0	10	0	0	0
250/100	31	5	1	0	18	2	0	0	35	9	3	1	13	1	0	0	22	3	0	0	17	1	0	0	19	2	1	0	26	6	2	0
250/200	13	0	0	0	30	7	2	0	14	2	0	0	19	3	1	0	4	0	0	0	20	3	1	0	3	0	0	0	31	7	2	1
250/300	4	0	0	0	34	9	3	1	5	0	0	0	21	3	1	0	1	0	0	0	21	3	1	0	1	0	0	0	32	8	2	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	31	5	1	0	2	0	0	0	27	3	0	0	3	0	0	0	24	1	0	0	12	3	1	0	15	1	0	0	19	1	0	0
50/200	7	0	0	0	2	0	0	0	9	1	0	0	4	0	0	0	7	0	0	0	15	3	1	0	5	0	0	0	23	2	0	0
50/300	2	0	0	0	2	0	0	0	3	0	0	0	4	0	0	0	2	0	0	0	16	3	1	0	2	0	0	0	25	3	0	0
150/100	25	3	0	0	19	4	1	0	19	2	0	0	25	6	3	1	0	0	0	0	70	36	20	12	0	0	0	0	78	47	28	18
150/200	6	0	0	0	25	6	2	1	5	0	0	0	31	12	7	4	0	0	0	0	90	74	62	51	0	0	0	0	93	80	68	59
150/300	2	0	0	0	26	6	2	1	1	0	0	0	34	15	9	7	0	0	0	0	96	90	83	76	0	0	0	0	97	91	85	80
250/100	7	0	0	0	55	29	16	10	0	0	0	0	71	41	27	19	0	0	0	0	70	36	20	12	0	0	0	0	78	47	28	18
250/200	1	0	0	0	75	58	51	45	0	0	0	0	90	75	63	52	0	0	0	0	90	74	62	51	0	0	0	0	93	80	68	59
250/300	0	0	0	0	79	66	61	56	0	0	0	0	97	91	87	82	0	0	0	0	96	90	83	76	0	0	0	0	97	91	85	80

TABLE A-126. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	43	12	4	1	7	0	0	0	47	15	6	3	5	0	0	0	62	27	13	6	1	0	0	0	74	46	30	19	0	0	0	0
50/200	18	2	0	0	12	1	0	0	24	3	0	0	7	0	0	0	35	7	2	1	3	0	0	0	47	14	3	1	1	0	0	0
50/300	8	0	0	0	15	1	0	0	11	1	0	0	10	1	0	0	24	4	1	0	4	0	0	0	31	5	1	0	1	0	0	0
150/100	0	0	0	0	44	15	7	4	18	3	1	0	30	8	3	1	39	10	3	1	11	0	0	0	56	25	12	5	4	0	0	0
150/200	0	0	0	0	73	45	30	22	2	0	0	0	46	19	9	5	21	2	1	0	20	3	1	0	34	6	1	0	10	0	0	0
150/300	0	0	0	0	87	68	54	43	3	0	0	0	56	29	16	8	13	1	0	0	26	5	2	0	22	3	0	0	14	2	0	0
250/100	0	0	0	0	44	15	7	4	0	0	0	0	44	13	4	2	3	0	0	0	30	5	1	0	37	11	3	1	9	1	1	0
250/200	0	0	0	0	73	45	30	22	0	0	0	0	69	41	25	17	1	0	0	0	56	23	12	7	22	2	0	0	22	3	1	0
250/300	0	0	0	0	87	68	54	43	0	0	0	0	85	66	49	37	1	0	0	0	68	38	23	14	14	1	0	0	29	7	2	1

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	66	31	14	6	0	0	0	0	59	29	14	6	0	0	0	0	42	12	3	1	0	0	0	0	41	11	3	1	0	0	0	0
50/200	39	9	3	1	0	0	0	0	29	6	2	0	0	0	0	0	13	1	0	0	0	0	0	0	13	1	0	0	0	0	0	0
50/300	19	1	0	0	0	0	0	0	14	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
150/100	53	17	5	1	5	0	0	0	54	25	11	5	3	0	0	0	40	11	3	1	3	0	0	0	37	9	2	1	6	0	0	0
150/200	30	4	1	0	9	1	0	0	27	5	1	0	6	0	0	0	13	1	0	0	5	0	0	0	12	1	0	0	9	0	0	0
150/300	15	1	0	0	14	1	0	0	13	2	0	0	6	0	0	0	4	0	0	0	5	0	0	0	3	0	0	0	9	0	0	0
250/100	40	10	2	0	11	1	0	0	46	18	8	3	9	1	0	0	34	8	1	0	13	0	0	0	30	6	2	1	21	3	1	0
250/200	23	3	0	0	22	4	0	0	23	4	1	0	16	2	0	0	12	1	0	0	19	2</										

TABLE A-127. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	78	60	37	23	34	12	2	0	84	71	51	38	32	9	1	0	91	83	69	59	12	1	0	0	96	93	87	82	0	0	0	0
120	38	14	2	0	92	84	73	64	65	42	16	6	47	26	11	5	75	57	36	24	39	19	6	1	86	74	55	40	31	9	1	0
180	0	0	0	0	100	100	100	100	23	5	0	0	96	92	86	78	62	39	17	10	55	30	9	3	75	58	34	20	43	18	2	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	37	19	5	1	92	85	73	64	63	41	16	7	57	35	13	7
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	39	18	4	1	89	80	66	56

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	98	97	95	93	4	0	0	0	100	99	99	98	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0
120	92	85	73	64	19	5	0	0	97	93	87	82	6	0	0	0	98	95	91	87	0	0	0	0	95	89	79	70	10	1	0	0
180	83	69	50	35	38	13	2	0	91	83	70	60	18	3	0	0	91	83	70	59	16	2	0	0	88	77	58	43	22	3	1	0
240	75	56	32	19	48	24	6	2	83	70	52	38	30	10	1	0	83	69	47	33	31	10	2	0	75	58	34	19	39	19	5	1
300	61	38	15	4	62	40	14	4	69	50	26	15	44	21	6	2	65	43	18	7	45	22	4	1	43	17	3	0	89	82	76	74

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	97	93	87	80	6	1	0	0	94	88	77	67	18	5	1	0	82	68	47	32	39	16	4	1	74	56	30	17	46	19	5	2
120	86	75	58	44	31	9	1	0	80	65	45	32	42	22	6	2	56	30	9	0	88	81	76	75	0	0	0	0	100	100	100	100
180	75	59	37	26	44	21	5	3	68	47	26	14	90	85	81	79	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	5	0	0	0	95	91	83	75	6	0	0	0	95	89	78	68	2	6	1	0	84	71	52	40	23	6	1	0	81	67	50	38
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-128. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
80	35	12	1	0	67	48	26	16	40	16	2	1	62	39	16	7	56	33	11	5	43	19	6	1	68	46	23	10	40	22	8	4
140	17	4	0	0	84	71	52	39	27	5	1	0	82	67	44	30	41	17	5	1	64	42	20	12	47	21	4	1	60	40	21	12
200	10	2	0	0	92	83	71	60	8	0	0	0	90	81	64	51	33	10	1	0	76	58	36	24	32	13	2	0	71	54	35	22
260	5	0	0	0	95	91	83	75	6	0	0	0	95	89	78	68	22	6	1	0	84	71	52	40	23	6	1	0	81	67	50	38
320	5	0	0	0	97	93	88	82	1	0	0	0	97	93	86	80	18	2	0	0	89	79	63	52	19	3	0	0	86	75	59	49

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
80	60	35	11	3	42	19	4	0	62	40	17	7	54	31	13	7	38	13	2	0	72	55	31	18	40	16	5	3	71	49	22	10
140	37	12	2	0	67	45	22	11	42	19	5	1	76	58	37	24	16	4	0	0	88	79	64	52	20	5	1	0	88	77	58	44
200	20	4	0	0	80	64	42	31	26	8	1	0	86	74	56	45	9	1	0	0	95	91	84	78	5	2	0	0	95	90	80	71
260	11	0	0	0	88	78	63	51	11	1	0	0	93	87	77	69	3	0	0	0	98	95	91	87	2	0	0	0	98	95	89	84
320	5	0	0	0	93	88	79	73	7	1	0	0	95	91	84	77	0	0	0	0	99	97	95	92	0	0	0	0	99	97	94	91

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
80	47	20	5	1	66	46	21	11	44	19	2	0	65	45	24	13	38	10	1	0	61	38	16	9	31	11	2	0	71	50	25	13
140	16	4	0	0	83	70	50	37	20	3	0	0	82	68	49	38	20	3	0	0	82	68	48	33	14	2	0	0	87	75	56	41
200	10	1	0	0	93	87	77	68	10	3	0	0	91	82	69	56	10	2	0	0	90	82	67	55	8	2	0	0	93	85	72	62
260	3	1	0	0	97	94	89	85	4	1	0	0	96	91	84	77	6	0	0	0	94	90	81	73	4	0	0	0	96	92	84	76
320	0	0	0	0	98	96	94	91	1	0	0	0	98	96	92	88	2	0	0	0	97	94	88	82	5	0	0	0	97	94	88	83

TABLE A-129. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	51	25	6	2	70	51	27	18	52	23	6	2	72	51	25	13	54	26	6	2	70	49	26	13	54	24	8	2	65	43	23	13
140	34	10	2	0	86	74	56	44	36	12	2	0	85	72	51	34	37	12	2	0	83	68	47	32	31	7	1	0	82	67	47	34
200	25	6	2	0	91	82	70	60	26	8	0	0	93	85	71	60	31	8	1	0	89	78	61	46	21	5	0	0	89	80	65	55
260	16	3	0	0	94	88	79	72	18	4	0	0	94	89	79	71	20	3	0	0	92	85	72	60	11	1	0	0	94	89	81	74
320	11	3	0	0	96	92	87	81	11	3	0	0	96	93	85	79	15	2	0	0	95	89	80	71	6	0	0	0	96	93	87	82

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	44	18	6	2	80	63	42	30	35	10	0	0	86	75	57	43	24	10	1	0	92	84	71	61	21	6	1	0	92	83	69	56
140	10	1	0	0	92	84	73	63	7	0	0	0	95	91	84	77	3	0	0	0	98	95	91	87	0	0	0	0	99	97	94	90
200	2	0	0	0	97	94	89	85	0	0	0	0	97	95	91	87	0	0	0	0	99	97	95	92	0	0	0	0	99	98	96	94
260	0	0	0	0	99	97	94	92	0	0	0	0	99	98	97	96	0	0	0	0	99	98	97	95	0	0	0	0	99	99	97	96
320	0	0	0	0	99	98	96	94	0	0	0	0	99	99	99	99	0	0	0	0	99	98	97	95	0	0	0	0	99	99	97	96

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	29	7	0	0	86	75	56	42	35	11	1	0	81	68	49	36	44	18	2	0	72	54	32	18	47	20	5	1	74	56	32	19
140	9	1	0	0	96	93	86	79	13	3	0	0	92	85	72	62	24	3	0	0	86	74	55	41	30	8	1	0	87	76	57	44
200	4	0	0	0	98	97	95	92	6	0	0	0	97	93	87	80	16	1	0	0	92	86	73	62	16	3	1	0	92	84	70	58
260	0	0	0	0	99	98	97	96	4	0	0	0	99	95	91	86	7	0	0	0	95	90	81	72	10	2	0	0	95	89	80	71
320	0	0	0	0	99	99	99	99	4	0	0	0	99	97	95	92	4	0	0	0	97	94	89	83	7	1	0	0	97	93	86	79

TABLE A-130. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	70	47	23	12	43	22	8	4	68	49	27	16	41	18	5	2	76	58	34	21	29	10	2	0	82	67	46	32	22	9	2	1
140	49	25	7	1	65	44	23	15	52	24	6	2	62	39	16	9	60	36	12	5	48	24	8	2	69	47	22	10	46	28	11	5
200	36	15	2	0	75	59	38	27	42	16	2	0	74	55	32	21	49	25	7	3	64	41	20	12	54	27	6	2	57	37	19	10
260	29	7	0	0	85	72	54	40	34	11	2	0	83	68	45	30	45	18	4	2	72	51	27	15	40	15	3	1	66	46	26	14
320	19	2	0	0	89	79	63	50	25	6	0	0	88	77	57	43	40	14	3	0	78	60	37	24	35	13	1	0	73	55	35	23

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	74	55	30	16	32	10	2	0	72	54	30	17	37	14	3	1	56	29	9	2	56	33	14	7	58	33	10	4	55	28	6	1
140	57	31	9	2	50	25	7	2	56	33	11	3	63	42	21	11	35	11	1	0	77	62	41	29	40	16	3	2	78	60	35	21
200	43	19	5	2	67	46	22	13	44	17	4	1	78	62	41	28	21	7	1	0	88	79	66	55	21	6	1	0	89	78	59	45
260	29	7	1	0	78	61	38	27	36	11	2	0	86	75	59	49	11	4	0	0	95	90	82	75	11	2	0	0	94	89	77	67
320	21	3	0	0	86	74	55	43	22	6	1	0	90	81	69	58	14	2	0	0	97	94	89	83	4	1	0	0	96	92	84	77

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	62	39	14	4	51	29	8	3	61	42	17	8	48	26	7	2	67	45	22	10	42	22	7	3	66	44	20	10	43	18	6	1
140	42	17	2	0	70	51	27	17	46	21	4	0	68	48	28	17	46	19	3	1	62	40	16	7	44	21	4	1	67	45	22	12
200	24	5	0	0	82	67	45	31	31	11	1	0	79	64	44	31	33	8	1	0	75	58	36	22	30	9	2	0	79	63	39	25
260	15	2	0	0	90	81	66	55	19	3	0	0	86	74	58	45	24	4	0	0	83	69	46	31	22	5	1	0	85	72	53	39
320	11	1	0	0	95	89	80	71	9	2	0	0	91	84	70	59	16	2	0	0	88	77	59	45	19	4	0	0	90	79	63	52

TABLE A-131. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

		JANUARY				FEBRUARY				MARCH				APRIL																				
THRESHOLD	I / W	.GE. THRESH.				.LT. THRESH.				.GE. THRESH.				.LT. THRESH.																				
		DAYS				DAYS				DAYS				DAYS																				
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7													
50/100		14	3	0	0	20	2	1	0	24	6	1	0	17	2	0	0	46	22	6	2	3	0	0	0	59	36	12	3	0	0	0		
50/200		2	0	0	0	25	7	0	0	4	0	0	0	24	4	0	0	28	7	0	0	5	0	0	0	31	13	2	0	0	0	0		
50/300		2	0	0	0	28	7	0	0	1	0	0	0	25	4	0	0	15	2	0	0	10	0	0	0	20	4	0	0	0	0	0		
150/100		0	0	0	0	73	55	32	21	10	5	1	0	54	31	13	6	30	10	3	0	26	6	2	0	46	24	8	3	17	2	0	0	
150/200		0	0	0	0	92	83	71	60	1	0	0	0	69	52	31	17	25	5	0	0	39	16	4	1	25	8	1	0	27	10	0	0	
150/300		0	0	0	0	97	93	87	81	0	0	0	0	73	57	35	21	13	3	0	0	45	21	5	1	16	0	0	0	35	12	0	0	
250/100		0	0	0	0	73	55	32	21	0	0	0	0	72	52	27	16	10	1	0	0	53	26	9	4	36	14	3	1	28	10	4	1	
250/200		0	0	0	0	92	83	71	60	0	0	0	0	90	81	64	51	0	0	0	0	73	53	32	21	16	4	0	0	40	20	7	3	
250/300		0	0	0	0	97	93	87	81	0	0	0	0	95	91	82	74	0	0	0	0	82	68	48	34	6	0	0	0	50	27	7	2	
		MAY				JUNE				JULY				AUGUST																				
THRESHOLD	I / W	.GE. THRESH.				.LT. THRESH.				.GE. THRESH.				.LT. THRESH.																				
		DAYS				DAYS				DAYS				DAYS																				
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	
50/100		53	25	6	1	0	0	0	0	54	31	10	3	0	0	0	0	35	9	1	0	0	0	0	0	31	9	2	1	0	0	0	0	
50/200		20	4	0	0	0	0	0	0	26	8	1	0	0	0	0	0	9	1	0	0	0	0	0	0	5	2	0	0	0	0	0	0	
50/300		6	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/100		43	16	2	0	6	2	0	0	51	26	10	2	1	0	0	0	35	9	1	0	8	0	0	0	29	9	2	1	13	2	0	0	
150/200		14	2	0	0	23	7	0	0	25	8	1	0	5	1	0	0	9	1	0	0	12	0	0	0	5	1	0	0	15	3	0	0	
150/300		5	0	0	0	29	9	0	0	6	1	0	0	5	1	0	0	0	0	0	0	12	0	0	0	0	0	0	0	16	3	0	0	
250/100		35	13	2	0	21	9	0	0	44	23	8	1	16	3	0	0	33	8	1	0	24	5	1	0	25	7	1	1	36	18	5	1	
250/200		13	2	0	0	40	19	3	0	22	8	0	0	25	9	2	0	9	1	0	0	30	11	2	1	5	1	0	0	40	20	5	2	
250/300		4	0	0	0	47	23	6	2	5	1	0	0	27	10	2	0	0	0	0	0	30	11	2	1	0	0	0	0	41	20	6	2	
		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																				
THRESHOLD	I / W	.GE. THRESH.				.LT. THRESH.				.GE. THRESH.				.LT. THRESH.																				
		DAYS				DAYS				DAYS				DAYS																				
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	
50/100		38	14	3	0	2	0	0	0	33	9	0	0	1	0	0	0	27	4	0	0	22	11	2	0	16	3	0	0	22	3	0	0	
50/200		10	1	0	0	2	0	0	0	7	2	0	0	4	2	0	0	8	1	0	0	27	12	2	0	4	1	0	0	28	8	1	0	
50/300		0	0	0	0	2	0	0	0	2	0	0	0	7	2	0	0	3	0	0	0	31	12	2	0	1	0	0	0	31	9	1	0	
150/100		32	11	1	0	34	16	2	0	26	5	0	0	44	20	9	3	0	0	0	0	70	49	25	15	0	0	0	0	77	60	34	22	
150/200		7	1	0	0	38	15	3	1	4	1	0	0	52	31	17	12	0	0	0	0	90	82	67	55	0	0	0	0	93	85	72	62	
150/300		0	0	0	0	38	16	3	1	1	0	0	0	58	41	27	22	0	0	0	0	96	93	86	78	0	0	0	0	97	94	88	82	
250/100		12	1	0	0	68	49	27	16	0	0	0	0	73	55	34	22	0	0	0	0	70	49	25	15	0	0	0	0	77	60	34	22	
250/200		0	0	0	0	86	77	67	60	0	0	0	0	91	82	69	56	0	0	0	0	90	82	67	55	0	0	0	0	93	85	72	62	
250/300		0	0	0	0	90	83	77	73	0	0	0	0	97	94	89	84	0	0	0	0	96	93	86	78	0	0	0	0	97	94	88	82	

TABLE A-132. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND ISLAND, NEBRASKA

		JANUARY				FEBRUARY				MARCH				APRIL																			
THRESHOLD	I / W	.GE. THRESH.				.LT. THRESH.				.GE. THRESH.				.LT. THRESH.																			
		DAYS				DAYS				DAYS				DAYS																			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7				
50/100		48	24	7	2	15	1	0	0	50	26	8	5	10	2	0	0	65	42	20	9	0	0	0	0	77	61	39	25	0	0	0	0
50/200		22	8	0	0	21	2	0	0	26	7	1	0	15	2	0	0	45	19	5	1	6	0	0	0	53	26	5	1	0	0	0	0
50/300		8	1	1	0	24	6	0	0	16	2	1	1	20	4	0	0	36	14	2	0	7	0	0	0	37	13	2	0	0	0	0	0
150/100		0	0	0	0	49	28	11	6	27	9	2	0	45	19	6	2	46	22	7	2	15	2	0	0	62	42	19	7	12	1	0	0
150/200		0	0	0	0	75	59	38	27	8	1	0	0	60	37	18	8	30	9	2	0	32	12	3	0	39	14	3	0	17	2	0	0
150/300		0	0	0	0	88	77	61	46	4	1	0	0	67	48	25	13	28	7	1	0	38	16	4	1	25	8	1	0	25	8	0	0
250/100		0	0	0	0	49	28	11	6	0	0	0	0	49	25	8	3	14	3	0	0	31	12	2	0	49	26	6	1	18	8	3	0
250/200		0	0	0	0	75	59	38	27	0	0	0	0	74	55	32	21	4	1	0	0	61	38	19	11	28	8	1	0	31	12	4	1
250/300		0	0	0	0	88	77	61	46	0	0	0	0	87	76	56	41	2	1	0	0	74	54	32	19	16	4	0	0	40	17	5	2
		MAY				JUNE				JULY				AUGUST																			
THRESHOLD	I / W	.GE. THRESH.				.LT. THRESH.				.GE. THRESH.				.LT. THRESH.																			
		DAYS				DAYS				DAYS				DAYS																			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7				
50/100		69	46	19	8	0	0	0	0	66	45	22	10	0	0	0	0	48	24	6	1	0	0	0	0	49	25	6	3	0	0	0	0
50/200		43	19	5	2	0	0	0	0	44	17	4	1	0	0	0	0	21	7	1	0	0	0	0	0	21	6	1	0	0	0	0	0
50/300		24	5	0	0	0	0	0	0	29	8	0	0	0	0	0	0	11	2	0	0	0	0	0	0	4	2	0	0	0	0	0	0
150/100		55	29	8	2	5	1	0	0	62	42	19	8	0	0	0	0	46	23	6	1	5	0	0	0	45	22	5	2	5	1	0	0
150/200		30	11	2	0	13	3	0	0	44	18	4	1	4	1	0	0	21	7	1	0	11	0	0	0	19	6	1	0	14	2	0	0
150/300		17	4	1	0	23	8	0	0	27	8	0	0	5	1	0	0	11	2	0	0	11	0	0	0	4	1	0	0	15	3	0	0
250/100		46	21	5	0	19	6	0	0	56	35	14	5	13	3	0	0	41	18	3	0	17	3	1	0	39	16	4	2	29	11	3	0
250/200		26	9	1	0	27	12	1	0	38	15	3	0	21	8	1	0	19	6	0	0	29	7	1	0	17	4	1	0	39	19	5	1
250/300		12	3	0	0	41	18	4	1	23	6	0	0	24	9	2	0	11	2	0	0	29	10	1	0	4	1	0	0	40	20	5	2

TABLE A-133. PROBABILITY(X), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	29	5	0	0	71	39	21	12	59	27	12	5	41	10	3	1	83	58	42	31	17	1	0	0	95	87	80	75	5	0	0	0
120	0	0	0	0	100	99	96	93	26	4	1	0	74	43	24	14	52	17	5	1	48	14	4	1	68	37	20	12	32	5	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	97	93	31	6	2	0	69	38	21	13	52	21	10	5	48	15	3	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	3	1	0	0	97	91	85	78	37	12	4	2	63	30	12	3
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	1	1	0	96	91	85	79

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	96	94	92	1	0	0	0	100	99	99	98	0	0	0	0	100	99	99	99	0	0	0	0	99	98	96	95	1	0	0	0
120	64	62	45	35	16	2	0	0	93	82	71	61	7	0	0	0	92	78	66	54	8	0	0	0	88	69	53	41	12	1	0	0
180	66	38	24	16	34	8	2	0	78	54	38	26	22	4	1	0	80	53	34	22	20	2	0	0	74	44	25	14	26	3	0	0
240	52	22	10	5	48	17	6	1	65	34	19	10	35	9	3	1	65	29	15	7	35	7	1	0	53	19	6	3	47	16	7	4
300	31	8	2	0	69	38	21	12	45	15	6	2	55	24	12	6	30	5	1	0	70	41	25	18	3	0	0	0	97	95	95	94

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	94	85	76	67	6	0	0	0	79	54	35	24	21	4	1	0	41	12	4	2	59	30	14	7	23	2	0	0	77	49	31	19
120	73	44	26	14	27	5	2	1	50	22	8	4	50	25	15	10	3	0	0	0	97	95	94	94	0	0	0	0	100	100	100	100
180	50	20	9	4	50	20	7	3	7	1	0	0	93	88	87	87	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	7	1	0	0	93	89	86	85	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-134. PROBABILITY(X), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
40	40	9	3	1	60	27	14	7	43	10	2	0	57	21	8	3	52	17	5	1	48	14	4	1	63	29	14	7	37	7	1	0
80	13	1	0	0	87	67	51	38	17	1	0	0	83	60	43	33	25	2	0	0	75	45	29	18	33	7	1	0	67	37	22	14
120	5	0	0	0	95	86	78	70	6	0	0	0	94	82	71	64	13	1	0	0	87	68	53	41	18	1	0	0	82	60	43	33
160	2	0	0	0	98	94	90	86	3	0	0	0	97	90	83	77	7	0	0	0	93	81	70	61	10	0	0	0	90	76	64	55
200	1	0	0	0	99	98	97	95	2	0	0	0	98	95	91	88	4	0	0	0	96	88	81	74	6	0	0	0	94	84	75	67

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
40	55	21	7	1	45	16	8	5	39	8	2	1	61	28	13	6	31	6	0	0	69	41	25	16	28	4	1	0	72	41	23	12
80	21	2	0	0	79	54	39	30	11	1	0	0	89	73	59	48	7	0	0	0	93	81	73	65	6	0	0	0	94	84	75	66
120	9	0	0	0	91	78	69	61	3	0	0	0	97	90	85	80	2	0	0	0	98	94	91	89	1	0	0	0	99	95	92	89
160	4	0	0	0	96	88	81	75	1	0	0	0	99	97	94	92	0	0	0	0	100	98	97	97	0	0	0	0	100	99	98	97
200	2	0	0	0	98	93	90	86	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
40	30	4	1	0	70	37	21	12	36	7	1	0	64	31	17	10	36	6	1	0	64	30	16	8	33	6	1	0	67	35	18	9
80	7	0	0	0	93	81	70	61	10	0	0	0	90	73	60	50	15	0	0	0	85	64	49	37	8	0	0	0	92	78	66	56
120	2	0	0	0	98	93	88	84	4	0	0	0	96	90	83	78	7	0	0	0	93	82	73	65	3	0	0	0	97	91	87	82
160	1	0	0	0	99	96	94	93	2	0	0	0	98	95	92	88	3	0	0	0	97	90	84	77	2	0	0	0	98	94	90	87
200	0	0	0	0	100	98	98	97	1	0	0	0	99	97	95	93	2	0	0	0	98	94	91	88	1	0	0	0	99	97	96	95

TABLE A-135. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	51	21	10	5	49	20	9	5	42	12	4	1	58	27	13	7	39	9	1	0	61	32	17	8	23	2	0	0	77	52	36	26
80	24	4	1	0	76	51	33	21	18	1	0	0	82	60	44	33	17	2	0	0	83	64	49	37	7	0	0	0	93	84	75	68
120	11	1	0	0	89	77	67	59	8	0	0	0	92	79	68	60	9	0	0	0	91	79	70	60	2	0	0	0	98	94	90	88
160	6	0	0	0	94	85	78	72	3	0	0	0	97	90	85	80	5	0	0	0	95	88	81	75	1	0	0	0	99	97	96	94
200	4	0	0	0	96	92	88	84	2	0	0	0	98	95	92	89	3	0	0	0	97	93	88	84	1	0	0	0	99	98	97	96

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	9	0	0	0	91	78	66	57	2	0	0	0	98	93	90	87	1	0	0	0	99	97	95	93	2	0	0	0	98	95	91	88
80	1	0	0	0	99	97	96	95	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	98
120	1	0	0	0	99	98	98	97	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
160	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
200	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	8	0	0	0	92	80	69	59	17	2	0	0	83	61	46	34	36	10	3	1	64	34	17	8	47	17	5	1	53	20	7	3
80	2	0	0	0	98	95	92	88	4	0	0	0	96	89	81	74	16	2	0	0	84	65	51	39	22	4	1	0	78	56	40	30
120	0	0	0	0	100	99	99	98	1	0	0	0	99	96	93	89	9	0	0	0	91	80	70	62	10	0	0	0	90	75	63	54
160	0	0	0	0	100	100	99	99	0	0	0	0	100	99	97	96	5	0	0	0	95	87	79	73	5	0	0	0	95	87	79	72
200	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	99	4	0	0	0	96	91	85	79	3	0	0	0	97	92	86	82

TABLE A-136. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	70	39	23	15	30	4	1	0	70	38	21	11	30	5	1	0	71	41	23	13	29	5	1	0	73	42	24	14	27	4	1	0
80	45	13	4	1	55	23	10	5	42	10	2	0	58	24	9	3	46	13	3	1	54	23	10	2	48	16	6	2	52	22	9	3
120	30	6	2	0	70	41	25	16	27	4	0	0	73	43	26	16	31	5	0	0	69	38	22	11	30	5	1	0	70	42	25	15
160	19	2	0	0	81	59	43	30	15	1	0	0	85	64	49	38	20	2	0	0	80	56	39	27	18	1	0	0	82	61	45	35
200	13	1	0	0	87	73	60	50	10	0	0	0	90	74	62	53	14	1	0	0	86	68	53	41	13	1	0	0	87	70	57	46

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	66	33	17	8	34	9	4	3	48	15	4	1	52	21	10	5	38	10	2	1	62	33	20	12	37	8	2	1	63	31	14	6
80	32	7	1	0	68	40	25	18	16	1	0	0	84	63	47	37	12	0	0	0	88	72	59	49	9	0	0	0	91	75	61	48
120	16	2	0	0	84	65	51	41	6	0	0	0	94	84	75	67	3	0	0	0	97	91	87	83	3	0	0	0	97	92	86	80
160	9	0	0	0	91	80	70	63	2	0	0	0	98	94	90	86	1	0	0	0	99	97	95	93	1	0	0	0	99	97	95	92
200	5	0	0	0	95	87	81	75	1	0	0	0	100	98	96	95	0	0	0	0	100	98	97	97	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	46	12	3	0	54	19	7	2	54	22	9	5	46	16	6	3	62	30	15	8	38	11	4	2	66	37	21	12	34	7	1	0
80	17	1	0	0	63	59	43	33	24	4	1	0	76	48	32	22	37	7	1	0	63	32	15	8	41	12	3	1	59	27	12	6
120	6	0	0	0	94	83	73	65	12	1	0	0	88	70	55	45	24	3	0	0	76	50	34	23	26	5	1	0	74	49	32	22
160	3	0	0	0	97	91	86	80	6	0	0	0	94	83	75	67	15	1	0	0	85	67	53	41	15	1	0	0	85	65	51	40
200	1	0	0	0	99	96	93	91	3	0	0	0	97	91	85	80	11	0	0	0	89	74	62	51	10	0	0	0	90	76	64	55

TABLE A-137. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	12	1	0	0	34	7	2	1	26	4	1	0	46	13	3	1
50/80	4	0	0	0	52	18	6	2	10	0	0	0	22	1	0	0
50/120	0	0	0	0	58	23	8	3	3	0	0	0	11	0	0	0
150/40	0	0	0	0	60	27	14	7	3	0	0	0	19	2	0	0
150/80	0	0	0	0	67	67	51	36	1	0	0	0	7	0	0	0
150/120	0	0	0	0	95	86	78	70	0	0	0	0	3	0	0	0
250/40	0	0	0	0	60	27	14	7	0	0	0	0	0	0	0	0
250/80	0	0	0	0	87	67	51	36	0	0	0	0	0	0	0	0
250/120	0	0	0	0	95	86	78	70	0	0	0	0	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	55	21	7	1	0	0	0	0	39	6	2	1	0	0	0	0
50/80	21	2	0	0	0	0	0	0	11	1	0	0	0	0	0	0
50/120	9	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/40	42	12	3	0	12	0	0	0	32	7	1	0	8	0	0	0
150/80	17	1	0	0	20	2	0	0	9	1	0	0	13	1	0	0
150/120	7	0	0	0	22	2	0	0	3	0	0	0	15	1	0	0
250/40	26	4	1	0	22	3	0	0	23	3	0	0	22	2	0	0
250/80	9	0	0	0	38	9	1	0	6	0	0	0	33	8	3	1
250/120	3	0	0	0	44	14	3	0	2	0	0	0	37	10	4	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	29	3	1	0	2	0	0	0	32	5	1	0	9	1	0	0
50/80	7	0	0	0	3	0	0	0	9	0	0	0	12	2	1	0
50/120	2	0	0	0	3	0	0	0	3	0	0	0	13	2	1	0
150/40	19	1	0	0	26	4	1	1	10	0	0	0	46	17	9	5
150/80	4	0	0	0	35	9	2	1	2	0	0	0	64	39	26	19
150/120	1	0	0	0	36	9	2	1	0	0	0	0	69	47	36	31
250/40	0	0	0	0	69	36	20	12	0	0	0	0	64	31	17	10
250/80	0	0	0	0	92	80	69	60	0	0	0	0	90	73	60	50
250/120	0	0	0	0	96	91	86	82	0	0	0	0	96	90	83	78

TABLE A-138. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	23	2	0	0	15	1	0	0	44	12	5	1	6	0	0	0
50/80	13	1	0	0	30	6	2	1	24	3	1	0	13	1	0	0
50/120	8	0	0	0	40	10	3	1	16	1	0	0	20	2	0	0
150/40	0	0	0	0	30	4	1	0	5	0	0	0	26	5	1	0
150/80	0	0	0	0	55	23	10	5	2	0	0	0	52	19	7	3
150/120	0	0	0	0	70	41	25	16	1	0	0	0	65	33	18	10
250/40	0	0	0	0	30	4	1	0	0	0	0	0	30	5	1	0
250/80	0	0	0	0	55	23	10	5	0	0	0	0	58	24	9	3
250/120	0	0	0	0	70	41	25	16	0	0	0	0	73	43	26	16

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	66	33	17	6	0	0	0	0	48	15	4	1	0	0	0	0
50/80	32	7	1	0	0	0	0	0	16	1	0	0	0	0	0	0
50/120	16	2	0	0	0	0	0	0	6	0	0	0	0	0	0	0
150/40	49	17	6	2	8	0	0	0	39	9	2	0	6	0	0	0
150/80	24	3	0	0	17	1	0	0	13	1	0	0	12	1	0	0
150/120	12	0	0	0	21	2	0	0	5	0	0	0	14	1	0	0
250/40	31	5	1	0	15	1	0	0	26	4	1	0	17	1	0	0
250/80	14	1	0	0	33	6	0	0	9	0	0	0	30	6	1	0
250/120	6	0	0	0	40	11	2	0	3	0	0	0	36	9	3	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:		:GE. THRESH:		:LT. THRESH:	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	44	11	2	0	1	0	0	0	46	14	4	1	5	0	0	0
50/80	17	1	0	0	3	0	0	0	20	2	0	0	9	1	1	0
50/120	6	0	0	0	3	0	0	0	10	1	0	0	11	2	1	0
150/40	27	2	0	0	18	2	0	0	13	1	0	0	32	7	2	0
150/80	10	0	0	0	29	6	2	1	5	0	0	0	53	25	13	8
150/120	3	0	0	0	34	8	2	1	1	0	0	0	61	35	22	16
250/40	0	0	0	0	53	19	7	2	0	0	0	0	46	16	6	3
250/80	0	0	0	0	82	58	42	32	0	0	0	0	76	48	32	22
250/120	0	0	0	0	93	81	72	64	0	0	0	0	88	70	55	45

TABLE A-139. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	39	15	1	0	74	53	28	15	65	43	18	7	47	22	5	1	84	70	50	37	21	8	0	0	96	92	85	79	5	2	0	0
120	0	0	0	0	100	99	96	93	35	13	2	1	76	57	31	17	55	32	9	2	51	26	6	1	73	53	29	17	37	13	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	97	93	41	17	4	1	73	53	29	17	61	36	17	9	55	29	6	2
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	13	4	3	1	97	94	88	80	51	28	10	5	69	46	17	5
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	23	7	3	2	97	94	88	82

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	99	98	95	93	0	0	0	0	100	99	99	98	0	0	0	0	100	100	99	99	0	0	0	0	99	98	97	95	0	0	0	0
120	85	73	52	40	23	7	1	0	94	88	76	65	9	1	0	0	92	84	70	58	9	1	0	0	89	78	59	46	19	4	0	0
180	72	53	32	21	45	19	4	0	83	68	47	32	31	13	2	0	82	65	41	26	24	7	1	0	75	57	31	17	33	10	2	0
240	61	39	17	8	59	33	10	2	72	50	27	14	42	21	7	2	66	43	21	10	39	16	3	0	58	33	10	4	57	33	14	8
300	42	21	5	1	74	54	29	16	56	30	12	4	63	41	19	9	38	13	2	0	74	57	34	25	6	0	0	0	99	98	97	96

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	95	89	79	70	5	1	0	0	81	67	43	28	27	12	3	1	51	26	8	4	69	48	22	11	24	8	1	0	78	62	40	23
120	75	58	34	18	34	14	4	2	61	39	13	6	65	46	25	17	9	0	0	0	99	98	97	96	0	0	0	0	100	100	100	100
180	58	36	16	6	61	40	14	6	22	8	1	0	97	95	94	93	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	18	7	2	0	97	95	92	91	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-140. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	47	22	7	2	65	43	21	10	47	20	4	1	58	35	13	5	57	30	8	2	51	27	8	1	65	42	20	9	42	17	3	1
80	14	2	0	0	87	76	57	41	21	6	0	0	84	70	50	37	26	7	0	0	74	58	36	22	43	16	2	0	72	52	30	19
120	5	0	0	0	95	90	82	73	6	0	0	0	94	87	74	66	15	4	0	0	87	77	59	46	23	4	0	0	84	72	51	38
160	2	0	0	0	98	96	92	88	3	0	0	0	97	93	85	79	10	1	0	0	93	86	75	64	16	1	0	0	91	84	70	60
200	0	0	0	0	99	99	97	95	1	0	0	0	98	96	93	89	5	0	0	0	96	92	84	76	8	0	0	0	94	89	79	71

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	60	35	10	2	51	28	12	8	45	20	4	1	64	42	19	9	42	18	1	0	76	58	35	22	31	11	2	0	75	55	30	16
80	23	7	0	0	81	67	47	36	14	3	0	0	90	81	65	53	8	1	0	0	94	87	78	69	9	1	0	0	94	89	79	70
120	16	3	0	0	92	86	75	67	5	0	0	0	97	93	88	82	2	0	0	0	98	96	92	90	2	0	0	0	98	97	94	90
160	1	0	0	0	96	91	84	78	2	0	0	0	99	98	95	92	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97
200	0	0	0	0	98	95	92	88	0	0	0	0	99	99	98	97	0	0	0	0	100	99	98	98	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	34	10	2	0	71	51	27	15	42	18	3	0	67	45	24	13	41	15	2	0	66	45	22	11	42	17	3	1	70	50	25	12
80	4	0	0	0	93	87	75	65	12	2	0	0	90	81	66	55	16	2	0	0	86	75	56	42	4	0	0	0	92	84	71	60
120	1	0	0	0	98	95	90	86	2	0	0	0	96	93	86	80	5	0	0	0	93	87	77	68	0	0	0	0	97	94	89	84
160	0	0	0	0	99	97	95	94	2	0	0	0	98	96	93	89	2	0	0	0	96	93	86	79	0	0	0	0	98	95	92	89
200	0	0	0	0	99	99	98	97	2	0	0	0	99	98	96	93	3	0	0	0	98	96	92	89	0	0	0	0	99	98	96	94

TABLE A-141. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	60	36	16	7	60	36	15	8	53	24	6	2	64	42	19	9	53	22	2	0	70	50	26	11	38	9	1	0	82	67	46	33
80	35	14	2	0	81	65	42	25	24	3	0	0	84	71	51	38	31	7	0	0	87	76	58	43	13	2	0	0	94	89	80	72
120	25	5	0	0	92	86	74	64	13	1	0	0	92	85	72	63	20	2	0	0	93	87	75	65	2	0	0	0	98	96	92	89
160	10	1	0	0	95	90	82	75	5	0	0	0	97	93	87	82	12	1	0	0	96	92	85	77	2	0	0	0	99	98	97	95
200	11	1	0	0	97	95	91	87	4	0	0	0	98	97	93	91	6	0	0	0	98	95	91	85	2	0	0	0	99	99	98	97
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
40	18	3	0	0	92	86	72	61	2	0	0	0	98	95	92	89	0	0	0	0	99	98	96	93	2	0	0	0	98	96	93	89
80	2	0	0	0	99	98	97	96	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98
120	2	0	0	0	99	99	98	97	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
160	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
200	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
40	17	1	0	0	93	87	74	63	35	7	1	0	86	73	54	40	50	25	6	1	71	51	25	11	57	31	9	2	61	35	12	4
80	2	0	0	0	98	97	93	90	9	0	0	0	96	92	84	77	36	9	1	0	88	76	59	44	36	13	2	0	83	69	48	35
120	0	0	0	0	100	99	99	98	4	0	0	0	99	97	94	90	18	1	0	0	93	87	75	66	13	2	0	0	91	82	68	57
160	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	96	15	2	0	0	95	91	83	75	7	1	0	0	95	91	82	75
200	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	99	9	0	0	0	97	94	88	81	0	0	0	0	97	94	88	84

TABLE A-142. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	72	53	30	19	33	12	2	0	73	53	29	15	33	15	2	0	74	55	30	17	37	15	2	0	75	56	31	17	33	12	3	1
80	53	27	8	2	62	39	16	7	46	19	3	1	61	38	14	5	55	27	5	1	61	41	16	4	57	29	9	3	60	39	17	6
120	43	16	4	1	75	57	33	20	35	10	0	0	76	56	32	19	39	13	1	0	72	54	30	15	43	14	2	0	77	59	34	20
160	29	9	1	0	65	72	51	34	22	4	0	0	86	74	55	43	27	7	0	0	82	68	47	32	26	6	0	0	86	73	54	40
200	26	7	0	0	91	82	68	55	15	1	0	0	90	82	67	57	23	3	0	0	88	78	59	45	20	3	0	0	90	80	64	52
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
40	69	47	22	10	37	19	7	5	56	29	7	1	59	37	16	7	48	23	4	1	71	51	29	17	46	20	5	1	68	46	20	8
80	41	14	3	0	74	56	35	24	26	3	0	0	86	74	55	43	18	2	0	0	90	81	65	54	10	1	0	0	91	82	67	52
120	20	6	0	0	66	76	59	47	5	0	0	0	94	89	79	70	1	0	0	0	97	94	89	85	6	0	0	0	97	94	89	82
160	17	3	0	0	93	87	76	68	3	0	0	0	98	96	92	87	0	0	0	0	99	98	96	94	0	0	0	0	99	98	96	93
200	5	0	0	0	95	91	84	78	0	0	0	0	99	98	97	95	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	97
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
40	52	24	6	1	57	33	11	3	62	38	15	7	57	31	11	4	68	47	22	11	46	23	7	3	73	54	30	17	43	18	2	0
80	22	5	0	0	84	70	50	37	32	10	3	1	79	62	41	27	46	18	3	0	68	48	22	11	52	26	6	1	65	42	18	8
120	6	0	0	0	94	88	78	69	20	4	0	0	89	79	62	50	33	12	0	0	79	63	42	28	36	13	2	0	79	63	41	27
160	1	0	0	0	97	94	88	82	11	0	0	0	94	88	79	70	22	3	0	0	87	77	60	46	21	2	0	0	86	75	57	45
200	1	0	0	0	98	97	94	92	1	0	0	0	97	93	87	81	19	3	0	0	90	82	67	55	13	1	0	0	91	83	70	60

TABLE A-143. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																			
50/40	:	16	3	0	0	:	41	17	5	2	:	32	10	2	0	:	15	4	0	0	:	51	24	5	1	:	2	0	0	0	:	65	41	20	9	:	2	0	0	0
50/80	:	2	0	0	0	:	56	32	10	3	:	14	3	0	0	:	27	10	0	0	:	21	5	0	0	:	10	1	0	0	:	41	15	2	0	:	2	0	0	0
50/120	:	0	0	0	0	:	62	38	13	5	:	2	0	0	0	:	32	11	2	1	:	10	3	0	0	:	12	1	0	0	:	23	3	0	0	:	2	0	0	0
150/40	:	0	0	0	0	:	65	43	21	10	:	5	1	0	0	:	54	32	10	3	:	22	7	1	0	:	30	8	0	0	:	41	18	4	1	:	16	5	0	0
150/80	:	0	0	0	0	:	87	76	57	41	:	0	0	0	0	:	77	61	39	28	:	6	1	0	0	:	46	21	5	1	:	18	4	0	0	:	30	9	0	0
150/120	:	0	0	0	0	:	95	90	82	73	:	0	0	0	0	:	86	73	54	43	:	0	0	0	0	:	52	27	7	2	:	12	0	0	0	:	35	13	2	1
250/40	:	0	0	0	0	:	65	43	21	10	:	0	0	0	0	:	58	35	13	5	:	4	4	0	0	:	51	28	8	1	:	26	11	2	0	:	27	7	0	0
250/80	:	0	0	0	0	:	87	76	57	41	:	0	0	0	0	:	84	70	50	37	:	0	0	0	0	:	73	56	34	21	:	11	2	0	0	:	47	24	5	0
250/120	:	0	0	0	0	:	95	90	82	73	:	0	0	0	0	:	94	87	74	66	:	0	0	0	0	:	86	75	56	43	:	4	0	0	0	:	56	32	10	2

		MAY				JUNE				JULY				AUGUST																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/40	:	60	35	10	2	:	0	0	0	:	45	20	4	1	:	0	0	0	0	:	42	18	1	0	:	0	0	0	0	:	31	11	2	0	:	0	0	0	0	
50/80	:	23	7	0	0	:	0	0	0	:	14	3	0	0	:	0	0	0	0	:	8	1	0	0	:	0	0	0	0	:	9	1	0	0	:	0	0	0	0	
50/120	:	16	3	0	0	:	0	0	0	:	5	0	0	0	:	0	0	0	0	:	2	0	0	0	:	0	0	0	0	:	2	0	0	0	:	0	0	0	0	
150/40	:	51	25	5	1	:	14	2	0	0	:	42	18	3	0	:	10	1	0	0	:	37	12	0	0	:	8	1	0	0	:	25	9	1	0	:	17	3	0	0
150/80	:	19	4	0	0	:	24	8	0	0	:	11	4	0	0	:	18	5	0	0	:	7	1	0	0	:	14	2	0	0	:	6	1	0	0	:	21	4	0	0
150/120	:	8	1	0	0	:	32	9	0	0	:	5	0	0	0	:	21	5	0	0	:	2	0	0	0	:	16	2	0	0	:	0	0	0	0	:	23	6	0	0
250/40	:	34	10	2	1	:	30	9	0	0	:	34	10	1	0	:	27	8	1	0	:	23	6	0	0	:	29	8	2	0	:	13	3	0	0	:	47	22	6	1
250/80	:	9	1	0	0	:	49	22	3	0	:	8	0	0	0	:	43	20	6	2	:	0	0	0	0	:	36	15	3	0	:	2	1	0	0	:	59	35	17	10
250/120	:	2	0	0	0	:	56	30	7	0	:	2	0	0	0	:	44	22	8	3	:	0	0	0	0	:	39	17	3	0	:	0	0	0	0	:	63	39	19	13

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/40	:	33	9	2	0	:	0	0	0	:	36	15	3	1	:	10	4	2	2	:	22	7	0	0	:	39	15	3	0	:	7	0	0	0	:	49	23	7	1	
50/80	:	4	0	0	0	:	0	0	0	:	11	3	0	0	:	16	8	3	1	:	6	0	0	0	:	55	30	9	3	:	0	0	0	0	:	65	42	17	7	
50/120	:	1	0	0	0	:	0	0	0	:	2	0	0	0	:	18	9	3	1	:	1	0	0	0	:	58	34	12	4	:	0	0	0	0	:	70	50	26	14	
150/40	:	21	5	0	0	:	32	13	3	1	:	22	3	0	0	:	58	34	16	9	:	0	0	0	0	:	66	45	22	11	:	0	0	0	0	:	70	50	25	12
150/80	:	2	0	0	0	:	43	21	6	2	:	2	0	0	0	:	76	60	39	28	:	0	0	0	0	:	86	75	56	42	:	0	0	0	0	:	92	84	71	60
150/120	:	0	0	0	0	:	44	23	6	2	:	0	0	0	0	:	81	67	52	44	:	0	0	0	0	:	93	87	77	68	:	0	0	0	0	:	97	94	89	84
250/40	:	0	0	0	0	:	70	51	27	15	:	0	0	0	0	:	67	45	24	13	:	0	0	0	0	:	66	45	22	11	:	0	0	0	0	:	70	50	25	12
250/80	:	0	0	0	0	:	93	86	75	65	:	0	0	0	0	:	90	81	66	55	:	0	0	0	0	:	86	75	56	42	:	0	0	0	0	:	92	84	71	60
250/120	:	0	0	0	0	:	97	94	89	85	:	0	0	0	0	:	96	93	86	80	:	0	0	0	0	:	93	87	77	68	:	0	0	0	0	:	97	94	89	84

TABLE A-144. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GRAND RAPIDS, MICHIGAN

		JANUARY				FEBRUARY				MARCH				APRIL																										
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																								
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																								
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																							
50/40	:	24	7	1	0	:	18	4	0	0	:	47	23	9	3	:	5	0	0	0	:	64	41	17	8	:	0	0	0	0	:	74	54	29	16	:	0	0	0	0
50/80	:	15	3	0	0	:	40	18	4	2	:	27	8	2	2	:	18	5	1	0	:	46	22	4	1	:	2	1	0	0	:	55	28	8	3	:	2	0	0	0
50/120	:	17	1	0	0	:	47	23	6	2	:	23	4	0	0	:	23	9	1	0	:	34	11	1	0	:	8	1	0	0	:	41	13	2	0	:	2	0	0	0
150/40	:	0	0	0	0	:	33	12	2	0	:	12	3	0	0	:	32	14	2	0	:	26	8	2	1	:	19	5	0	0	:	43	19	4	1	:	9	3	0	0
150/80	:	0	0	0	0	:	62	39	16	7	:	2	0	0	0	:	56	34	12	5	:	16	4	0	0	:	35	13	3	0	:	27	9	1	0	:	21	5	0	0
150/120	:	0	0	0	0	:	75	57	33	20	:	0	0	0	0	:	69	48	24	13	:	6	1	0	0	:	43	19	4	1	:	18	3	0	0	:	30	10	1	0
250/40	:	0	0	0	0	:	33	12	2	0	:	0	0	0	0	:	33	15	2	0	:	4	4	0	0	:	37	15	2	0	:	27	11	2	0	:	18	3	0	0
250/80	:	0	0	0	0	:	62	39	16	7	:	0	0	0	0	:	61	38	14	5	:	0	0	0	0	:	60	40	15	3	:	16	5	0	0	:	36	14	1	0
250/120	:	0	0	0	0	:	75	57	33	20	:	0	0	0	0	:	76	56	32	19	:	0	0	0	0	:	71	52	28	15	:	10	0	0	0	:	50	27	7	1

		MAY				JUNE				JULY				AUGUST																									
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																							
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																							
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																						
50/40	:	69	47	22	10	:	0	0	0	:	56	29	7	1	:	0	0	0	0	:	48	23	4	1	:	0	0	0	0	:	46	20	5	1	:	0	0	0	0
50/80	:	41	18	3	0	:	0	0	0	:	26	3	0	0	:	0	0	0	0	:	18	2	0	0	:	0	0	0	0	:	10	1	0	0	:	0	0	0	0
50/120	:	20	6	0	0	:	0	0	0	:	5	0	0	0	:	0	0	0	0	:	1	0	0	0	:	0	0	0	0	:	6	0	0	0	:	0	0	0	0
150/40	:	54	30	10	2	:	6	1	0	0	:	48	22	4	0	:</																							

TABLE A-145. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	50	17	5	2	50	16	5	1	69	38	21	12	31	4	0	0	88	69	57	46	12	0	0	0	95	87	80	75	5	0	0	0
120	0	0	0	0	100	100	99	95	38	12	4	1	62	27	10	3	60	26	11	4	40	10	3	1	72	43	27	17	28	5	0	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	95	37	10	4	2	63	30	14	7	56	25	11	5	44	13	2	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	98	95	90	35	9	2	1	65	32	13	5
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	98	96	92	87

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	99	97	96	94	1	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98	0	0	0	0	99	96	93	90	1	0	0	0
120	63	63	48	37	17	1	0	0	92	81	72	63	8	0	0	0	94	83	73	63	6	0	0	0	87	68	54	41	13	2	0	0
180	67	37	22	12	33	5	1	0	75	49	34	26	25	4	1	0	81	54	34	23	19	2	0	0	69	39	22	13	31	6	2	0
240	49	16	7	3	51	18	6	2	62	30	15	7	38	10	2	0	62	26	10	4	38	6	1	1	47	17	6	2	53	25	13	7
300	26	4	2	1	74	43	24	14	38	11	3	1	62	31	15	8	30	5	1	0	70	41	27	21	1	0	0	0	99	98	97	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	95	84	75	66	5	0	0	0	77	52	36	24	23	5	2	1	46	13	3	1	54	19	7	2	34	6	1	0	66	34	16	7
120	71	41	24	14	29	7	2	1	45	14	5	1	55	28	18	15	1	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
180	45	14	5	2	55	26	15	11	1	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	4	1	0	0	96	92	91	91	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-146. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	39	9	3	1	61	29	15	8	39	10	4	2	61	26	10	4	41	12	3	1	59	27	12	4	56	23	10	5	44	12	3	0
100	22	3	1	0	78	53	36	25	25	3	1	0	75	47	30	20	26	4	1	0	74	45	29	19	36	9	2	0	64	33	19	11
140	12	0	0	0	88	70	56	45	15	1	0	0	85	62	45	34	16	1	0	0	84	59	44	33	25	4	1	0	76	49	34	24
180	7	0	0	0	93	81	71	62	10	0	0	0	91	76	64	54	11	0	0	0	89	69	56	44	17	1	0	0	83	61	46	34
220	3	0	0	0	97	91	85	80	6	0	0	0	94	83	73	64	7	0	0	0	93	79	66	55	11	0	0	0	89	73	60	51

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	48	14	3	1	52	20	8	4	37	10	3	1	63	32	19	11	31	6	1	0	70	41	27	19	26	3	0	0	74	43	26	17
100	29	4	1	0	71	41	24	15	21	1	0	0	79	53	38	28	15	1	0	0	86	67	54	45	11	0	0	0	89	71	56	45
140	18	1	0	0	83	60	45	33	12	0	0	0	88	70	56	46	8	0	0	0	92	80	71	64	5	0	0	0	95	87	78	70
180	11	1	0	0	90	75	63	54	7	0	0	0	94	82	72	63	4	0	0	0	97	90	85	81	3	0	0	0	97	92	87	81
220	5	0	0	0	95	87	80	74	4	0	0	0	96	89	82	75	1	0	0	0	99	97	94	93	1	0	0	0	99	95	92	88

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	37	7	2	0	63	30	15	9	41	11	4	2	59	28	14	8	43	12	3	0	57	25	12	6	26	3	0	0	74	42	23	13
100	18	1	0	0	82	52	35	24	24	3	1	0	77	49	34	23	26	2	0	0	74	45	27	17	12	0	0	0	88	69	54	43
140	9	0	0	0	91	74	62	51	12	1	0	0	89	71	57	47	16	1	0	0	84	61	45	34	5	0	0	0	95	86	78	72
180	5	0	0	0	95	85	77	69	7	0	0	0	93	79	67	56	10	0	0	0	90	74	61	52	3	0	0	0	97	91	86	82
220	2	0	0	0	98	92	87	82	4	0	0	0	97	89	83	77	5	0	0	0	95	84	76	68	1	0	0	0	99	96	94	92

TABLE A-149. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS													
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	24	2	0	0	28	5	1	0	29	6	2	1	14	1	0	0	54	22	10	5	1	0	0	0	0			
50/120	9	0	0	0	37	6	2	0	14	1	0	0	18	2	0	0	29	6	1	0	1	0	0	0	0			
50/180	4	0	0	0	40	9	2	0	7	0	0	0	22	2	0	0	16	1	0	0	1	0	0	0	0			
150/60	0	0	0	0	61	29	15	6	5	0	0	0	54	17	6	2	18	1	0	0	27	5	1	0	14	1	0	0
150/120	0	0	0	0	84	62	46	34	2	0	0	0	71	39	23	15	9	1	0	0	37	9	3	1	35	7	1	0
150/180	0	0	0	0	93	81	71	62	2	0	0	0	81	57	43	33	4	0	0	0	43	12	4	1	9	0	0	0
250/60	0	0	0	0	61	29	15	6	0	0	0	0	61	26	10	4	0	0	0	0	59	27	11	4	15	1	0	0
250/120	0	0	0	0	84	62	46	34	0	0	0	0	81	54	38	28	0	0	0	0	78	51	35	23	8	0	0	0
250/180	0	0	0	0	93	81	71	62	0	0	0	0	91	76	64	54	0	0	0	0	89	69	55	42	4	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																		
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
50/60	48	14	3	1	0	0	0	0	37	10	3	1	0	0	0	0	31	6	1	0	0	0	0	26	3	0	0	0	0		
50/120	23	2	0	0	0	0	0	0	16	0	0	0	0	0	0	0	11	0	0	0	0	0	0	7	0	0	0	0	0		
50/180	11	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0	4	0	0	0	0	0	0	3	0	0	0	0	0		
150/60	35	6	1	0	12	1	0	0	32	7	2	1	12	0	0	0	28	5	1	0	10	0	0	0	21	1	0	0	16	2	0
150/120	17	1	0	0	20	2	0	0	15	0	0	0	15	1	0	0	10	0	0	0	12	0	0	0	6	0	0	0	20	3	1
150/180	8	1	0	0	23	3	0	0	6	0	0	0	16	1	0	0	4	0	0	0	12	0	0	0	2	0	0	0	21	3	1
250/60	20	1	0	0	25	3	0	0	22	2	0	0	27	3	1	0	18	1	0	0	29	6	2	1	9	0	0	0	42	13	7
250/120	10	0	0	0	41	10	3	1	11	0	0	0	37	9	3	1	6	0	0	0	37	9	2	1	3	0	0	0	55	26	15
250/180	4	0	0	0	47	15	5	2	4	0	0	0	40	11	3	1	2	0	0	0	40	9	2	1	1	0	0	0	58	30	19

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																		
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
50/60	36	7	2	0	2	0	0	0	37	10	4	1	10	1	0	0	24	2	0	0	27	4	0	0	12	0	0	0	46	12	4
50/120	13	0	0	0	3	0	0	0	14	1	0	0	12	2	1	0	11	0	0	0	37	7	1	0	4	0	0	0	55	20	7
50/180	5	0	0	0	3	0	0	0	6	0	0	0	13	2	1	0	5	0	0	0	42	10	1	0	1	0	0	0	58	23	8
150/60	22	2	0	0	26	4	1	0	8	1	0	0	50	20	8	4	0	0	0	0	57	25	12	6	0	0	0	0	74	42	23
150/120	8	0	0	0	36	5	2	1	3	0	0	0	70	44	30	22	0	0	0	0	81	55	38	27	0	0	0	0	97	91	86
150/180	3	0	0	0	39	10	3	1	1	0	0	0	77	56	42	33	0	0	0	0	90	74	61	52	0	0	0	0	97	91	86
250/60	0	0	0	0	63	30	15	9	0	0	0	0	59	28	14	8	0	0	0	0	57	25	12	6	0	0	0	0	74	42	23
250/120	0	0	0	0	87	67	52	41	0	0	0	0	84	61	46	35	0	0	0	0	81	55	38	27	0	0	0	0	92	77	64
250/180	0	0	0	0	95	85	77	69	0	0	0	0	93	79	67	56	0	0	0	0	90	74	61	52	0	0	0	0	97	91	86

TABLE A-150. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																		
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
50/60	41	10	2	0	15	1	0	0	49	17	6	2	8	0	0	0	57	25	12	6	2	0	0	71	43	27	19	0	0	0	
50/120	28	4	1	0	24	4	1	0	32	8	3	1	12	1	0	0	36	8	1	0	3	0	0	0	46	15	4	1	0	0	0
50/180	17	2	0	0	30	6	2	0	20	2	0	0	15	1	0	0	24	3	1	0	4	0	0	0	29	5	1	0	1	0	0
150/60	0	0	0	0	30	6	2	0	7	1	0	0	31	7	2	0	28	5	1	1	15	2	0	0	45	13	4	1	7	1	0
150/120	0	0	0	0	53	20	10	5	4	0	0	0	50	16	6	3	17	1	0	0	26	5	1	1	27	5	1	0	15	2	0
150/180	0	0	0	0	70	41	25	17	3	0	0	0	63	30	16	10	11	0	0	0	33	8	3	1	17	2	0	0	22	2	0
250/60	0	0	0	0	30	6	2	0	0	0	0	0	36	9	2	0	0	0	0	0	37	12	4	1	20	3	0	0	16	1	0
250/120	0	0	0	0	53	20	10	5	0	0	0	0	57	25	12	7	0	0	0	0	59	29	13	5	12	1	0	0	34	8	3
250/180	0	0	0	0	70	41	25	17	0	0	0	0	72	43	28	19	0	0	0	0	72	42	26	15	7	0	0	0	46	16	5

THRESHOLD	MAY				JUNE				JULY				AUGUST																		
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
50/60	65	31	15	7	0	0	0	0	46	16	5	2	0	0	0	0	37	10	2	1	0	0	0	36	9	2	1	0	0	0	
50/120	38	8	2	0	0	0	0	0	21	2	1	0	0	0	0	0	15	1	0	0	0	0	0	0	14	1	0	0	0	0	0
50/180	20	1	0	0	0	0	0	0	11	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	0	0	0
150/60	47	13	4	1	7	0	0	0	38	9	2	1	9	0	0	0	33	7	1	1	9	0	0	0	27	4	1	0	12	1	0
150/120	28	4	1	0	15	1	0	0	19	1	1	0	15	1	0	0	13	1	0	0	11	0	0	0	11	0	0	0	18	2	0
150/180	15	1	0	0	20	1	0	0	9	0	0	0	16	1	0	0	6	0	0	0	12	0	0	0	5	0	0	0	21	3	1
250/60	25																														

TABLE A-153. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	58	34	13	6	56	33	13	5	50	27	9	4	64	43	21	12	50	23	5	2	67	48	22	10	44	11	1	0	76	57	35	23
100	44	20	4	1	75	56	32	20	33	11	2	0	80	65	44	30	42	12	2	1	81	67	48	34	23	4	0	0	88	76	59	47
140	30	8	2	1	86	73	53	37	26	7	1	0	87	77	61	49	30	6	0	0	88	78	63	50	15	1	0	0	93	87	76	67
180	18	3	0	0	90	81	65	52	17	4	0	0	92	85	73	63	21	3	0	0	91	83	70	59	6	1	0	0	96	93	86	80
220	14	2	0	0	94	87	76	66	17	1	0	0	94	90	81	74	16	1	0	0	93	87	76	67	4	0	0	0	98	96	92	89

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	29	6	0	0	87	77	62	53	9	2	0	0	95	91	83	76	3	1	0	0	98	96	92	88	2	0	0	0	96	91	83	74
100	11	1	0	0	94	89	80	73	0	0	0	0	99	98	96	94	0	0	0	0	99	98	97	95	0	0	0	0	99	98	96	94
140	1	0	0	0	97	94	90	86	0	0	0	0	99	99	97	96	0	0	0	0	99	99	98	96	0	0	0	0	99	99	97	95
180	0	0	0	0	99	98	97	95	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	99	99	98	97
220	0	0	0	0	100	99	99	96	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	15	2	0	0	89	80	64	53	39	14	2	0	79	64	40	25	52	27	8	2	67	47	20	8	62	37	11	4	60	37	12	4
100	2	0	0	0	96	93	87	81	16	1	0	0	90	81	65	51	37	12	2	0	78	61	37	22	46	18	2	0	74	54	27	14
140	0	0	0	0	98	96	92	89	12	1	0	0	94	88	77	67	29	8	2	0	87	76	57	42	30	9	1	0	84	70	50	35
180	0	0	0	0	99	99	97	95	6	0	0	0	96	92	84	76	20	4	1	0	90	81	65	52	21	2	0	0	90	82	67	57
220	0	0	0	0	99	99	98	96	2	0	0	0	98	96	92	88	18	4	0	0	94	89	79	69	14	1	0	0	93	87	77	69

TABLE A-154. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GREEN BAY, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	73	56	34	23	36	14	4	0	67	48	26	17	41	18	3	0	71	50	26	15	48	26	8	2	77	60	38	25	34	13	2	1
100	58	36	14	6	51	27	10	4	52	29	12	6	55	31	11	5	57	32	10	6	60	40	15	5	63	40	16	6	56	34	12	3
140	49	24	9	3	83	40	18	4	40	19	6	2	65	44	21	12	46	20	4	2	68	52	28	14	51	25	4	1	66	44	23	11
180	40	19	5	1	74	55	33	21	32	12	1	0	73	57	34	22	38	14	3	1	74	57	34	20	44	16	2	0	77	58	34	21
220	28	12	2	1	81	66	44	30	26	9	1	0	78	64	42	29	34	12	3	1	80	66	46	33	34	8	0	0	82	67	47	34

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	69	46	21	10	46	24	6	3	54	30	9	2	63	42	21	10	45	21	4	1	68	48	28	17	43	20	5	2	70	49	25	13
100	54	25	6	1	66	45	22	12	37	11	3	1	76	57	36	22	28	9	1	0	82	70	53	40	21	4	1	0	81	65	44	30
140	39	11	2	0	76	59	37	24	24	3	0	0	85	72	53	41	15	2	0	0	90	82	69	58	11	2	0	0	91	83	68	55
180	24	5	0	0	83	70	51	39	17	0	0	0	90	81	66	55	8	1	0	0	94	89	81	75	7	0	0	0	95	90	80	71
220	21	4	0	0	90	81	66	55	10	0	0	0	93	87	76	66	4	0	0	0	97	94	88	83	4	0	0	0	97	94	88	81

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	56	30	11	4	53	30	10	5	65	44	21	11	48	26	12	7	72	51	25	12	44	22	6	2	71	50	26	16	44	19	5	1
100	30	9	1	0	70	50	27	15	48	26	10	4	65	45	22	12	57	32	10	4	59	36	13	5	55	30	7	2	58	33	8	2
140	24	6	2	0	83	69	50	36	34	14	2	0	75	58	34	21	48	23	5	1	66	46	22	11	41	17	2	0	67	45	18	7
180	9	0	0	0	88	77	63	51	26	8	0	0	82	68	48	34	37	13	2	0	74	57	33	19	31	9	1	0	76	59	34	21
220	3	0	0	0	93	86	75	66	12	1	0	0	87	76	59	47	28	7	1	0	80	65	43	29	25	5	0	0	85	72	51	40

TABLE A-155. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GREEN BAY, WISCONSIN

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	27	8	1	0	32	15	3	1	30	14	4	1	19	4	0	0	40	18	3	1	5	1	0	0	57	37	15	7	0	0	0	0
50/120	10	3	0	0	40	18	3	1	14	3	0	0	26	10	0	0	21	5	1	0	4	1	0	0	42	18	3	1	2	0	0	0
50/180	3	1	0	0	44	21	4	1	4	1	0	0	29	10	0	0	6	0	0	0	6	1	0	0	22	3	0	0	3	2	0	0
150/60	0	0	0	0	64	42	21	10	8	1	0	0	55	30	9	3	21	5	1	0	34	13	2	0	40	17	2	0	16	8	1	0
150/120	0	0	0	0	85	72	53	39	0	0	0	0	72	53	30	19	11	2	0	0	44	20	7	2	24	7	0	0	28	8	1	0
150/180	0	0	0	0	93	87	76	66	0	0	0	0	83	70	52	39	4	0	0	0	48	24	8	3	10	1	0	0	37	16	2	0
250/60	0	0	0	0	64	42	21	10	0	0	0	0	61	38	13	6	0	0	0	0	62	42	17	5	23	7	0	0	32	14	2	0
250/120	0	0	0	0	85	72	53	39	0	0	0	0	79	65	44	32	0	0	0	0	78	63	42	27	8	1	0	0	56	31	10	3
250/180	0	0	0	0	93	87	76	66	0	0	0	0	91	83	69	58	0	0	0	0	87	76	60	45	6	1	0	0	64	41	15	5

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	53	27	6	1	0	0	0	0	49	22	6	2	0	0	0	0	40	15	3	1	0	0	0	0	29	8	1	0	0	0	0	0
50/120	22	6	0	0	0	0	0	0	22	1	0	0	0	0	0	0	13	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0
50/180	16	4	0	0	0	0	0	0	8	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
150/60	40	15	3	1	17	3	0	0	44	16	3	1	13	1	0	0	37	12	1	0	12	4	1	0	24	5	0	0	27	8	1	0
150/120	16	4	0	0	27	6	0	0	20	1	0	0	21	5	0	0	9	1	0	0	14	4	1	0	5	0	0	0	28	10	2	0
150/180	12	3	0	0	32	9	0	0	8	0	0	0	22	4	0	0	2	0	0	0	14	4	1	0	3	0	0	0	29	10	2	0
250/60	21	6	0	0	64	42	21	10	35	8	0	0	32	9	1	0	22	5	1	0	39	16	3	1	10	1	0	0	52	27	13	7
250/120	10	3	0	0	45	22	5	1	15	0	0	0	42	22	5	1	6	1	0	0	44	19	5	2	4	0	0	0	63	43	24	15
250/180	8	2	0	0	54	28	9	3	1	0	0	0	48	25	6	1	2	0	0	0	46	20	4	2	1	0	0	0	67	48	32	23

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	38	15	4	1	1	0	0	0	41	21	8	3	16	6	2	0	29	7	1	0	34	13	1	0	15	1	0	0	50	24	7	3
50/120	12	1	0	0	3	2	0	0	11	3	0	0	21	9	3	0	9	0	0	0	41	17	2	0	6	1	0	0	60	34	12	4
50/180	2	0	0	0	3	2	0	0	1	0	0	0	23	8	3	0	4	0	0	0	47	21	2	0	0	0	0	0	63	38	13	4
150/60	28	6	1	0	32	11	1	0	18	4	0	0	57	37	15	7	0	0	0	0	62	41	18	8	0	0	0	0	91	83	69	58
150/120	11	1	0	0	44	20	5	2	2	0	0	0	76	61	41	29	0	0	0	0	81	66	45	32	0	0	0	0	74	56	29	16
150/180	1	0	0	0	46	23	5	2	0	0	0	0	83	72	54	42	0	0	0	0	90	81	67	56	0	0	0	0	97	93	88	84
250/60	0	0	0	0	65	44	20	11	0	0	0	0	63	43	21	11	0	0	0	0	62	41	18	8	0	0	0	0	74	56	29	16
250/120	0	0	0	0	67	76	58	45	0	0	0	0	83	70	51	39	0	0	0	0	81	66	45	32	0	0	0	0	91	83	69	58
250/180	0	0	0	0	95	89	80	72	0	0	0	0	92	84	71	60	0	0	0	0	90	81	67	56	0	0	0	0	97	93	88	84

TABLE A-156. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - GREEN BAY, WISCONSIN

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	47	21	5	0	19	6	0	0	53	31	10	4	13	0	0	0	62	40	18	8	3	0	0	0	75	57	35	23	0	0	0	0
50/120	34	11	2	0	28	12	3	1	34	17	4	1	21	4	0	0	41	17	2	0	5	1	0	0	56	31	8	2	0	0	0	0
50/180	23	7	0	0	35	16	4	1	19	6	1	0	21	7	0	0	28	10	2	0	4	1	0	0	43	15	2	0	0	0	0	0
150/60	0	0	0	0	36	14	4	0	19	5	0	0	38	15	3	1	34	15	3	1	26	8	0	0	49	25	8	2	13	3	1	0
150/120	0	0	0	0	58	34	15	6	9	0	0	0	54	29	10	5	19	3	0	0	36	15	3	1	33	13	2	0	18	8	1	0
150/180	0	0	0	0	74	55	33	21	1	0	0	0	66	45	23	13	14	2	0	0	41	19	6	2	24	6	0	0	28	8	1	0
250/60	0	0	0	0	36	14	4	0	0	0	0	0	41	18	3	0	0	0	0	0	48	26	7	1	29	11	0	0	21	4	1	0
250/120	0	0	0	0	58	34	15	6	0	0	0	0	61	38	16	9	0	0	0	0	64	45	19	7	16	5	0	0	43	21	6	1
250/180	0	0	0	0	74	55	33	21	0	0	0	0	75	57	34	22	0	0	0	0	74	57	33	19	9	1	0	0	56	32	10	3

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	69	46	21	10	0	0	0	0	54	30	9	2	0	0	0	0	45	21	4	1	0	0	0	0	43	20	5	2	0	0	0	0
50/120	47	19	4	0	0	0	0	0	28	5	2	1	0	0	0	0	22	5	0	0	0	0	0	0	14	3	1	0	0	0	0	0
50/180	24	5	0	0	0	0	0	0	17	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0
150/60	53	26	7	2	10	1	0	0	46	20	5	1	8	0	0	0	39	16	2	1	8	1	1	0	32	11	2	1	20	4	1	0
150/120	31	10	2	0	25	5	0	0	25	5	2	0	19	3	0	0	20	4	0	0	14	4	1	0	10	1	0	0	24	7	1	0
150/180	15	3	0	0	27	6	0	0	16	0	0	0	21	5	0	0	5	1	0	0	14	4	1	0	5	0	0	0	28	10	2	0
250/60	28	7	0	0	26	6	0	0	32	11	0	0	28	8	1	0	23	6	1	0	33	13	3	1	15	4	0	0	47	21	9	4
250/120	20	5	0	0	42	17	3	0	19	2	0	0	41	19	4	0	10	1	0	0	43	19	4	1	5	0	0	0	56	34	17	10
250/180	8	1	0	0	48	23	5	1	8	0	0	0	43	22	5	1	1	0	0	0	45	20	4	2	4	0	0	0	65	45	27	18

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH							

TABLE A-157. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	60	27	13	7	40	10	2	0	79	54	35	24	21	2	0	0	86	68	53	41	14	2	0	0	90	75	65	56	10	0	0	0
120	0	0	0	0	100	98	93	88	44	13	5	2	56	21	7	3	64	32	16	9	36	8	3	0	71	40	24	15	29	4	0	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	97	93	87	41	12	4	2	59	27	14	7	52	19	7	3	48	15	3	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	3	0	0	0	97	92	87	81	37	11	3	1	63	30	13	5
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	0	0	0	96	88	80	72

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	95	85	78	72	5	0	0	0	99	97	96	95	1	0	0	0	99	98	97	96	1	0	0	0	99	96	94	92	1	0	0	0
120	83	63	49	38	17	2	1	0	92	81	71	62	8	1	0	0	93	82	71	62	7	0	0	0	89	73	61	49	11	0	0	0
180	70	42	26	16	30	6	2	0	78	54	38	28	22	4	1	0	82	55	36	25	18	1	0	0	75	46	27	16	25	3	0	0
240	54	22	9	4	46	14	4	1	62	32	17	10	38	9	3	1	65	31	15	7	35	6	1	1	53	19	7	1	47	16	8	5
300	28	6	1	0	72	41	24	14	41	12	4	1	59	28	14	8	32	6	1	0	68	37	24	18	5	0	0	0	95	89	86	83

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	92	79	68	58	8	0	0	0	81	59	44	33	19	4	1	0	53	21	8	4	47	16	5	2	40	9	2	1	60	26	10	4
120	74	47	29	19	26	6	1	0	55	25	11	5	45	20	11	8	5	0	0	0	95	90	87	86	0	0	0	0	100	100	100	100
180	56	22	9	5	44	16	7	4	7	1	0	0	93	88	86	86	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	10	1	0	0	90	80	75	72	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-158. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	30	5	1	1	70	38	22	13	38	7	1	0	62	27	12	5	45	12	3	1	55	21	9	3	60	27	11	5	40	10	2	1
100	14	0	0	0	86	64	47	33	22	2	0	0	78	49	30	18	26	2	0	0	74	42	25	14	40	10	2	0	60	27	12	6
140	7	0	0	0	93	79	66	56	11	0	0	0	89	71	56	44	15	0	0	0	85	63	46	33	26	4	1	0	74	46	30	20
180	4	0	0	0	97	88	81	74	6	0	0	0	94	82	72	63	9	0	0	0	91	75	60	48	17	1	0	0	83	60	45	34
220	2	0	0	0	99	94	91	87	4	0	0	0	96	88	80	73	6	0	0	0	94	82	71	60	11	0	0	0	89	69	55	43

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	52	16	5	2	48	17	7	4	38	7	1	0	63	28	13	7	29	5	1	0	71	44	30	20	22	2	0	0	78	48	29	18
100	30	5	1	0	70	40	26	17	19	2	0	0	82	58	40	29	11	0	0	0	89	73	62	54	7	0	0	0	93	80	68	57
140	16	1	0	0	84	65	52	44	10	0	0	0	90	74	61	51	5	0	0	0	95	87	81	75	2	0	0	0	98	93	88	82
180	9	0	0	0	91	78	68	61	5	0	0	0	96	86	77	69	2	0	0	0	98	95	92	90	1	0	0	0	99	96	92	88
220	6	0	0	0	94	85	78	71	1	0	0	0	99	96	93	90	0	0	0	0	100	99	98	97	1	0	0	0	100	98	96	93

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	32	4	1	0	68	33	19	11	34	7	2	1	66	35	20	10	35	5	1	0	65	31	15	7	22	3	0	0	78	50	34	22
100	12	0	0	0	88	68	54	43	15	1	0	0	85	63	49	39	16	1	0	0	84	62	46	35	8	0	0	0	92	78	66	57
140	5	0	0	0	96	86	77	67	7	0	0	0	93	80	69	60	10	0	0	0	90	74	61	51	3	0	0	0	97	91	86	82
180	2	0	0	0	98	94	90	85	4	0	0	0	98	88	80	72	6	0	0	0	94	82	73	65	1	0	0	0	99	95	93	90
220	1	0	0	0	99	96	94	91	2	0	0	0	99	94	90	86	4	0	0	0	96	89	82	76	1	0	0	0	99	98	96	95

TABLE A-159. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	41	11	4	1	59	29	16	9	37	9	2	0	63	33	17	9	39	10	3	1	61	30	16	7	30	7	0	0	70	43	26	15
100	21	2	0	0	79	53	36	24	23	3	1	0	77	52	34	22	20	2	0	0	80	58	43	32	16	1	0	0	84	65	51	41
140	13	1	0	0	87	67	51	38	13	1	0	0	87	69	55	44	11	0	0	0	89	73	61	50	9	0	0	0	91	79	68	59
180	8	0	0	0	92	77	65	54	8	1	0	0	92	80	70	61	9	0	0	0	91	79	68	59	5	0	0	0	95	88	82	76
220	4	0	0	0	96	87	79	72	3	0	0	0	97	91	85	80	6	0	0	0	94	83	74	66	3	0	0	0	97	93	90	87

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	17	2	0	0	83	67	56	48	3	0	0	0	97	90	83	77	2	0	0	0	98	95	91	88	3	0	0	0	98	92	86	81
100	5	0	0	0	95	87	81	76	1	0	0	0	100	97	95	93	0	0	0	0	100	99	98	97	1	0	0	0	100	98	96	94
140	2	0	0	0	98	95	92	89	0	0	0	0	100	98	96	95	0	0	0	0	100	99	99	98	0	0	0	0	100	100	98	97
180	1	0	0	0	99	97	95	94	0	0	0	0	100	100	99	98	0	0	0	0	100	100	99	98	0	0	0	0	100	100	98	97
220	1	0	0	0	99	98	97	96	0	0	0	0	100	100	99	98	0	0	0	0	100	100	99	98	0	0	0	0	100	100	99	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	8	1	0	0	93	81	70	61	24	5	1	0	76	52	36	26	38	11	3	1	62	32	15	7	44	15	5	1	57	26	12	5
100	2	0	0	0	98	93	88	84	10	1	0	0	90	75	62	52	20	2	0	0	80	57	40	28	25	4	0	0	76	49	32	22
140	1	0	0	0	99	96	93	90	5	0	0	0	96	87	79	71	14	1	0	0	86	68	51	39	14	1	0	0	87	69	56	47
180	0	0	0	0	100	99	97	96	2	0	0	0	98	92	86	80	10	0	0	0	90	75	62	51	7	0	0	0	93	82	73	66
220	0	0	0	0	100	99	98	97	1	0	0	0	99	96	93	89	7	0	0	0	93	84	75	67	5	0	0	0	96	89	83	77

TABLE A-160. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	61	29	16	8	39	11	5	1	63	30	14	8	37	9	3	1	66	35	19	10	34	9	3	1	72	42	25	16	28	5	1	0
100	43	14	4	1	57	26	14	8	45	13	3	1	55	22	9	4	50	17	6	3	50	18	7	2	58	26	10	4	42	13	3	1
140	31	5	1	0	69	39	24	15	34	7	1	0	66	34	18	10	35	8	2	1	65	34	17	7	44	13	3	0	56	25	11	4
180	20	2	0	0	80	54	37	25	25	4	1	0	75	47	28	16	27	3	0	0	73	43	25	14	32	7	1	0	68	39	23	13
220	15	0	0	0	85	62	46	33	17	1	0	0	83	61	45	32	20	1	0	0	80	56	38	27	23	3	0	0	77	51	36	26

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	66	34	18	10	34	9	2	1	50	16	4	1	51	18	8	4	37	9	3	1	63	35	21	13	34	5	1	0	67	34	17	9
100	46	14	5	2	54	25	14	9	25	3	1	0	76	47	29	18	18	1	0	0	82	61	46	36	15	1	0	0	85	63	47	34
140	30	7	2	0	70	43	30	22	14	2	0	0	86	67	52	43	8	0	0	0	92	80	72	65	6	0	0	0	95	84	74	64
180	19	2	1	0	81	60	47	39	9	0	0	0	91	76	63	52	4	0	0	0	96	90	86	81	3	0	0	0	98	91	86	79
220	12	1	0	0	88	72	61	53	4	0	0	0	96	88	80	73	1	0	0	0	99	96	94	91	1	0	0	0	99	96	93	89

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	48	13	5	1	53	19	8	3	55	22	8	4	45	15	7	3	61	27	11	5	39	10	3	1	62	30	15	8	39	8	1	1
100	26	2	0	0	75	43	27	17	35	7	2	1	65	33	18	10	43	10	2	1	57	25	11	5	41	10	2	0	59	25	11	4
140	13	0	0	0	88	68	53	41	24	4	1	0	76	49	33	23	30	5	0	0	70	41	22	12	29	4	1	0	71	41	23	14
180	7	0	0	0	94	82	71	62	15	1	0	0	85	64	48	38	22	2	0	0	78	54	36	24	19	2	0	0	81	58	42	33
220	3	0	0	0	98	92	85	79	9	0	0	0	91	76	62	52	16	1	0	0	84	63	46	34	13	1	0	0	87	69	56	47

TABLE A-163. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	64	42	20	9	44	21	5	0	81	67	43	29	27	8	3	1	89	79	61	48	28	7	1	0	91	84	71	61	15	1	0	0
120	0	0	0	0	99	98	93	88	53	29	10	3	60	36	12	4	69	48	24	13	48	21	7	1	75	56	33	20	34	11	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	99	97	93	88	49	25	9	4	65	43	22	10	61	35	12	5	55	29	6	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	3	1	0	98	95	90	83	51	27	7	1	69	46	19	7
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	0	0	0	96	92	82	74
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	95	90	82	75	4	1	0	0	99	99	97	96	5	1	0	0	99	98	97	97	0	0	0	0	99	97	95	92	0	0	0	0
120	86	74	57	44	24	7	1	0	94	88	77	67	11	5	0	0	94	87	76	66	12	1	0	0	90	81	67	54	13	1	0	0
180	75	59	35	21	41	18	4	1	82	68	47	34	30	13	3	1	82	66	43	29	21	5	0	0	77	60	35	20	27	9	1	0
240	60	39	15	6	55	28	8	1	67	48	24	14	44	22	6	2	68	45	20	9	39	14	2	1	59	34	12	2	56	32	15	9
300	42	17	4	1	76	56	31	18	48	26	8	2	66	45	23	12	40	16	2	1	72	52	33	23	10	1	0	0	96	94	90	87
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	93	86	73	62	11	2	0	0	84	72	52	38	33	15	3	0	61	38	15	7	57	32	10	5	47	21	4	1	64	42	16	5
120	78	62	36	23	38	16	2	0	66	44	19	8	61	40	22	14	12	1	0	0	97	95	92	90	0	0	0	0	100	100	100	100
180	62	37	15	7	55	33	13	7	23	5	1	0	96	94	92	92	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	24	5	1	0	94	89	83	80	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-164. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	35	12	2	1	71	53	29	16	38	15	3	1	62	40	16	7	49	24	6	1	58	37	14	4	65	43	17	7	45	21	4	1
100	12	1	0	0	85	73	52	37	26	8	1	0	79	62	37	22	30	7	1	0	74	56	32	17	47	22	4	0	65	42	19	9
140	5	1	0	0	92	84	71	59	13	2	0	0	88	79	62	48	17	1	0	0	86	73	52	37	34	15	2	0	78	61	38	25
180	2	0	0	0	96	91	84	76	4	0	0	0	93	87	76	66	12	0	0	0	91	82	65	52	21	3	0	0	84	71	53	40
220	0	0	0	0	98	96	92	88	2	0	0	0	95	91	83	75	5	0	0	0	94	87	75	63	8	0	0	0	88	77	61	47
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	56	29	8	3	53	32	12	6	43	17	2	0	65	44	20	10	36	12	1	0	75	59	39	26	29	6	0	0	79	61	36	22
100	37	15	2	0	74	56	35	23	28	6	1	0	84	70	48	34	11	1	0	0	90	81	68	59	5	0	0	0	92	85	72	60
140	24	6	0	0	87	77	62	51	14	2	0	0	90	81	66	55	7	0	0	0	95	91	84	78	1	0	0	0	97	95	89	83
180	15	2	0	0	93	85	74	66	6	0	0	0	95	90	80	71	4	0	0	0	98	97	94	91	0	0	0	0	98	97	93	89
220	9	0	0	0	95	90	82	75	0	0	0	0	98	97	93	90	0	0	0	0	99	99	98	97	0	0	0	0	99	98	96	93
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	31	10	2	0	66	47	26	14	35	14	4	1	69	49	27	14	40	13	2	0	68	47	22	10	26	9	1	0	79	62	41	27
100	11	1	0	0	87	77	60	48	12	2	0	0	85	73	56	43	19	4	0	0	86	73	53	39	8	2	0	0	92	84	71	60
140	3	0	0	0	95	90	80	70	2	0	0	0	92	85	73	63	9	1	0	0	90	81	66	54	0	0	0	0	97	94	88	84
180	1	0	0	0	98	95	91	86	1	0	0	0	95	91	82	75	6	1	0	0	93	87	77	68	0	0	0	0	98	97	94	91
220	2	0	0	0	99	97	94	91	2	0	0	0	98	96	91	87	4	0	0	0	96	92	85	78	0	0	0	0	99	98	97	95

TABLE A-165. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	49	23	7	2	66	46	24	14	51	23	6	1	70	50	25	12	53	27	6	2	69	48	24	11	50	20	2	0	77	59	35	19
100	25	8	1	0	81	66	43	28	37	11	2	0	82	66	42	27	38	9	0	0	84	72	53	40	30	3	0	0	88	77	59	47
140	17	2	0	0	87	77	58	43	23	5	0	0	89	79	62	49	24	2	0	0	91	82	67	55	16	1	0	0	93	86	74	63
180	8	0	0	0	92	83	70	58	16	4	0	0	93	87	75	65	20	2	0	0	93	86	73	63	7	0	0	0	96	92	85	79
220	2	0	0	0	95	90	82	74	12	3	0	0	97	94	88	82	14	0	0	0	94	88	78	69	6	0	0	0	98	96	92	89

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	35	11	2	0	89	79	66	57	2	0	0	0	96	92	85	79	2	0	0	0	98	96	93	89	5	0	0	0	97	94	88	82
100	12	2	0	0	96	92	85	80	0	0	0	0	99	98	95	93	2	0	0	0	100	99	98	97	2	0	0	0	99	98	96	94
140	4	0	0	0	98	96	93	91	0	0	0	0	99	98	96	95	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	96
180	4	0	0	0	99	98	96	94	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97
220	2	0	0	0	99	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	100	99	99	98	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	14	3	2	0	93	86	73	63	42	16	3	1	82	67	45	32	51	25	5	2	71	50	23	9	53	30	9	2	64	43	19	9
100	0	0	0	0	98	95	90	85	20	5	0	0	91	82	67	56	35	9	1	0	83	70	48	33	34	13	1	0	79	63	40	27
140	0	0	0	0	98	97	94	91	10	0	0	0	96	91	82	74	28	5	0	0	88	78	58	44	22	4	0	0	88	78	62	52
180	0	0	0	0	99	98	97	96	1	0	0	0	97	94	88	81	19	3	0	0	91	83	67	55	11	1	0	0	94	88	78	69
220	0	0	0	0	99	99	97	96	1	0	0	0	98	97	93	90	18	4	0	0	95	90	80	70	8	0	0	0	96	92	86	80

TABLE A-166. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MADISON, WISCONSIN

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	66	46	24	12	47	23	10	2	66	44	21	11	44	20	5	1	73	51	27	15	43	21	6	1	75	57	33	20	35	15	2	0
100	52	28	8	2	65	42	20	11	52	26	7	2	60	37	14	6	58	33	10	5	55	34	13	4	65	43	16	6	51	28	7	3
140	35	12	2	1	71	54	32	19	41	18	4	0	69	48	24	13	48	22	5	2	71	51	25	10	54	28	6	1	64	44	19	8
180	22	6	0	0	80	65	45	29	36	14	3	0	78	61	35	20	32	9	1	0	76	57	33	18	45	19	2	0	74	56	32	18
220	13	1	0	0	84	72	52	38	28	6	0	0	85	73	53	37	27	6	0	0	82	68	46	32	35	10	0	0	81	65	45	31

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	70	50	25	13	42	21	6	3	57	31	8	1	57	34	14	7	48	21	5	1	69	51	29	18	40	13	1	0	71	50	24	13
100	56	27	9	4	63	43	25	15	35	9	2	0	78	61	38	23	25	5	0	0	84	72	54	41	22	4	0	0	86	73	53	38
140	44	21	5	1	77	61	41	31	27	7	2	0	88	77	59	48	12	1	0	0	93	86	77	69	8	0	0	0	94	89	78	67
180	29	9	2	0	85	74	57	47	11	2	0	0	92	83	68	56	5	0	0	0	96	93	88	84	3	0	0	0	97	94	88	81
220	22	4	0	0	90	82	68	60	6	0	0	0	96	91	83	75	2	0	0	0	99	97	95	92	2	0	0	0	99	97	94	90

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	53	25	9	1	56	34	13	4	62	36	13	6	51	27	11	5	66	42	17	8	47	23	7	2	64	44	22	11	44	18	2	1
100	26	5	1	0	74	56	34	21	42	17	4	1	70	49	25	13	50	22	5	2	63	42	17	8	47	22	5	0	63	40	17	6
140	15	2	1	0	87	76	58	45	32	12	2	0	80	63	41	28	38	13	0	0	74	57	30	15	34	13	1	0	73	55	31	19
180	8	0	0	0	94	87	75	65	20	5	1	0	86	74	56	43	32	7	0	0	82	67	43	29	28	8	1	0	83	70	50	38
220	1	0	0	0	97	94	87	81	8	1	0	0	90	82	67	55	26	5	0	0	86	73	53	39	18	4	0	0	88	78	62	51

TABLE A-169. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	55	23	10	5	45	12	4	1	74	47	32	22	26	4	0	0	86	67	53	42	14	0	0	0	95	86	79	73	5	0	0	0
120	0	0	0	0	100	100	100	99	36	12	5	2	64	35	19	10	62	30	15	8	38	9	2	0	71	43	27	17	29	7	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	95	37	11	4	1	63	29	13	5	57	25	10	4	43	13	3	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	99	96	91	39	12	3	1	61	30	14	7
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	98	95	91	85

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	98	95	93	91	2	0	0	0	99	96	97	96	1	0	0	0	100	99	99	98	0	0	0	0	99	96	95	93	1	0	0	0
120	83	60	45	34	17	1	0	0	91	77	65	57	9	0	0	0	95	86	77	70	5	0	0	0	86	70	55	44	14	1	0	0
180	68	38	24	15	32	6	1	0	78	54	40	30	22	3	0	0	84	62	47	35	16	1	0	0	76	51	34	22	24	4	1	0
240	53	22	10	4	47	16	5	1	63	30	15	8	37	8	3	1	69	38	22	12	31	6	1	0	54	20	7	2	46	16	8	5
300	30	8	2	1	70	42	27	17	42	13	4	1	58	25	11	5	38	9	1	0	62	32	19	13	1	0	0	0	99	98	98	98

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	94	85	76	66	6	0	0	0	80	57	42	32	20	5	2	0	52	21	9	4	48	21	10	5	36	10	2	1	64	33	16	6
120	73	46	30	19	27	6	2	1	55	27	13	6	45	22	15	12	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	53	21	9	3	47	16	9	6	3	0	0	0	97	96	96	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	5	1	1	0	95	90	89	86	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-170. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	28	2	0	0	72	38	22	12	33	5	1	0	67	33	16	8	42	11	3	1	58	24	11	5	61	27	13	6	39	9	2	1
80	10	0	0	0	90	72	59	47	14	1	0	0	86	66	50	38	19	1	0	0	81	55	38	28	35	7	1	0	65	34	21	12
120	3	0	0	0	97	86	81	73	7	0	0	0	93	80	69	60	8	0	0	0	92	76	64	54	21	3	0	0	79	56	41	30
160	1	0	0	0	99	94	91	86	4	0	0	0	96	89	82	75	5	0	0	0	95	85	75	66	13	1	0	0	87	70	59	50
200	0	0	0	0	100	97	96	94	2	0	0	0	98	95	92	89	2	0	0	0	98	93	87	81	8	0	0	0	92	80	70	63

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	59	24	10	4	41	9	2	1	47	11	2	1	53	16	6	2	38	6	1	0	62	29	16	9	32	6	1	0	68	35	20	12
80	32	7	2	0	63	40	24	14	20	1	0	0	80	53	34	24	11	0	0	0	89	71	58	48	10	1	0	0	90	75	62	52
120	18	3	1	0	82	64	51	43	8	0	0	0	92	80	70	63	3	0	0	0	97	93	89	86	2	0	0	0	98	93	89	84
160	11	1	0	0	89	75	65	56	3	0	0	0	97	91	86	83	1	0	0	0	99	98	98	97	0	0	0	0	100	99	98	96
200	7	1	0	0	93	85	78	72	1	0	0	0	99	96	93	91	0	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	41	9	2	1	60	28	14	8	39	7	0	0	61	26	13	8	35	5	1	0	65	32	14	5	25	2	0	0	75	46	30	21
80	13	1	0	0	89	70	57	49	15	1	0	0	85	61	44	31	13	0	0	0	87	67	52	40	7	0	0	0	93	82	73	66
120	4	0	0	0	97	89	83	78	6	0	0	0	94	82	72	61	6	0	0	0	94	82	71	62	3	0	0	0	97	91	86	82
160	2	0	0	0	100	96	93	90	4	0	0	0	96	86	78	70	4	0	0	0	96	89	83	77	1	0	0	0	99	98	97	95
200	1	0	0	0	101	99	98	96	1	0	0	0	99	93	88	83	2	0	0	0	98	95	92	89	1	0	0	0	100	98	97	96

TABLE A-171. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	40	11	2	1	60	29	15	7	38	10	3	1	62	30	15	8	40	11	4	1	60	31	15	7	39	9	2	0	61	31	17	11
80	16	1	0	0	84	62	48	37	14	1	0	0	86	66	51	42	18	1	0	0	82	61	45	34	15	1	0	0	85	68	56	46
120	7	0	0	0	93	80	69	60	6	0	0	0	94	84	74	66	6	0	0	0	94	85	77	70	8	0	0	0	92	82	73	66
160	3	0	0	0	97	89	83	76	3	0	0	0	97	92	88	83	4	0	0	0	96	90	85	79	3	0	0	0	97	93	90	88
200	2	0	0	0	98	93	88	84	2	0	0	0	98	94	91	87	2	0	0	0	98	93	89	85	1	0	0	0	99	97	95	94

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	21	3	1	0	79	58	44	35	8	1	0	0	92	81	71	63	3	0	0	0	97	91	86	81	7	0	0	0	93	84	76	68
80	5	0	0	0	95	89	84	80	2	0	0	0	98	95	92	89	0	0	0	0	100	99	98	96	1	0	0	0	99	98	97	97
120	1	0	0	0	99	97	95	94	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	98
160	0	0	0	0	100	99	99	98	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
200	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	12	1	0	0	89	72	58	47	27	4	1	0	73	42	24	15	44	14	4	1	56	27	15	8	39	9	3	1	61	30	15	7
80	3	0	0	0	99	93	89	84	10	1	0	0	90	75	60	48	20	2	0	0	80	61	48	38	14	1	0	0	86	69	55	45
120	1	0	0	0	101	99	98	97	4	0	0	0	96	87	78	69	11	1	0	0	89	76	64	53	7	0	0	0	93	84	75	67
160	0	0	0	0	101	100	99	99	1	0	0	0	99	93	88	82	7	0	0	0	93	83	74	65	4	0	0	0	97	91	85	81
200	0	0	0	0	101	101	101	101	1	0	0	0	99	94	90	85	5	0	0	0	95	87	79	72	2	0	0	0	98	95	91	88

TABLE A-172. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	60	20	10	3	40	9	2	1	61	26	14	7	39	11	4	2	65	37	21	11	35	10	3	1	76	49	32	21	24	4	0	0
80	36	7	1	0	64	32	17	9	35	7	2	0	65	32	15	9	41	11	3	1	59	26	11	6	53	20	8	3	47	16	8	3
120	21	1	0	0	79	51	36	25	21	2	0	0	79	54	35	25	27	3	0	0	73	46	30	20	37	8	1	0	63	32	18	10
160	13	1	0	0	87	67	53	42	15	1	0	0	85	66	50	39	19	2	0	0	81	60	44	32	26	3	0	0	74	48	34	27
200	8	0	0	0	92	78	66	56	9	0	0	0	91	77	64	54	11	0	0	0	89	71	58	47	18	2	0	0	82	63	51	43

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	70	38	21	12	30	4	1	0	61	23	12	5	39	10	3	1	48	14	4	0	52	19	8	5	45	13	4	2	55	22	10	5
80	46	15	6	2	54	25	13	7	30	4	1	0	77	38	21	13	18	2	0	0	62	60	45	34	18	2	0	0	82	60	44	33
120	29	6	1	0	71	44	28	19	15	1	0	0	85	66	50	40	7	0	0	0	93	81	73	66	7	0	0	0	93	81	71	62
160	18	2	0	0	82	64	53	46	8	0	0	0	92	79	68	60	2	0	0	0	98	94	91	88	2	0	0	0	98	94	90	86
200	12	1	0	0	88	74	64	56	4	0	0	0	96	90	85	80	1	0	0	0	99	98	97	96	1	0	0	0	99	97	96	94

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
40	57	22	9	4	45	15	6	2	59	25	10	5	41	11	4	2	64	32	16	7	36	9	2	1	59	25	13	6	42	11	3	1
80	26	3	1	0	76	50	34	24	34	6	1	0	66	32	17	11	38	9	2	0	62	33	17	10	32	5	2	0	69	39	23	14
120	12	1	0	0	90	72	59	50	19	2	0	0	81	55	38	26	25	3	0	0	75	49	32	22	19	1	0	0	82	58	43	32
160	5	1	0	0	96	87	80	74	12	1	0	0	88	69	54	41	17	1	0	0	83	64	50	40	11	1	0	0	89	74	62	52
200	3	0	0	0	99	93	89	85	7	0	0	0	93	79	66	55	11	0	0	0	89	74	61	50	6	0	0	0	94	83	74	67

TABLE A-173. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	15	0	0	0	26	4	1	0	26	2	1	0	11	1	0	0
50/60	5	0	0	0	34	6	2	1	11	0	0	0	16	1	0	0
50/120	1	0	0	0	37	8	2	1	5	0	0	0	17	1	0	0
150/40	0	0	0	0	72	38	22	12	3	0	0	0	58	25	10	4
150/60	0	0	0	0	90	72	59	47	1	0	0	0	76	51	34	23
150/120	0	0	0	0	97	88	81	73	1	0	0	0	83	63	47	35
250/40	0	0	0	0	72	38	22	12	0	0	0	0	67	33	16	8
250/60	0	0	0	0	90	72	59	47	0	0	0	0	86	66	50	38
250/120	0	0	0	0	97	88	81	73	0	0	0	0	93	80	69	60

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	59	24	10	4	0	0	0	0	47	11	2	1	0	0	0	0
50/60	32	7	2	0	0	0	0	0	20	1	0	0	0	0	0	0
50/120	18	3	1	0	0	0	0	0	8	0	0	0	0	0	0	0
150/40	43	11	3	1	0	0	0	0	38	7	1	0	0	0	0	0
150/60	23	3	1	0	15	1	0	0	17	1	0	0	14	1	0	0
150/120	13	1	1	0	20	2	0	0	7	0	0	0	16	1	0	0
250/40	27	3	0	0	17	1	0	0	26	3	0	0	20	1	0	0
250/60	13	0	0	0	30	6	1	0	12	1	0	0	32	5	2	1
250/120	8	0	0	0	40	11	2	1	4	0	0	0	36	7	2	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	40	6	2	1	2	0	0	0	33	5	0	0	7	1	0	0
50/60	13	1	0	0	4	0	0	0	13	1	0	0	10	1	1	0
50/120	4	0	0	0	4	0	0	0	5	0	0	0	12	2	1	0
150/40	28	4	1	0	22	4	1	0	10	0	0	0	46	17	8	6
150/60	8	0	0	0	31	8	2	1	3	0	0	0	63	38	24	17
150/120	3	0	0	0	34	10	3	2	2	0	0	0	71	51	41	35
250/40	1	0	0	0	60	28	14	8	0	0	0	0	61	26	13	8
250/60	0	0	0	0	67	66	57	48	0	0	0	0	85	61	44	31
250/120	0	0	0	0	96	87	61	76	0	0	0	0	94	82	72	61

TABLE A-174. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	35	7	1	0	14	0	0	0	46	15	5	2	4	0	0	0
50/60	19	1	0	0	22	3	0	0	26	4	1	0	10	1	0	0
50/120	11	0	0	0	28	5	2	0	15	1	0	0	13	1	0	0
150/40	0	0	0	0	40	9	2	1	5	0	0	0	33	8	2	1
150/60	0	0	0	0	64	32	17	9	2	0	0	0	56	24	11	6
150/120	0	0	0	0	79	51	36	25	1	0	0	0	70	42	25	16
250/40	0	0	0	0	40	9	2	1	0	0	0	0	39	11	4	2
250/60	0	0	0	0	64	32	17	9	0	0	0	0	65	32	15	9
250/120	0	0	0	0	79	51	36	25	0	0	0	0	79	54	35	25

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	70	38	21	12	0	0	0	0	61	28	12	5	0	0	0	0
50/60	46	15	6	2	0	0	0	0	30	4	1	0	0	0	0	0
50/120	29	6	1	0	0	0	0	0	15	1	0	0	0	0	0	0
150/40	50	16	5	1	5	0	0	0	49	16	5	2	5	0	0	0
150/60	32	7	1	0	11	1	0	0	25	3	1	0	11	1	0	0
150/120	20	3	1	0	15	1	0	0	12	1	0	0	14	1	0	0
250/40	32	5	1	0	12	1	0	0	34	6	2	1	13	0	0	0
250/60	18	1	0	0	23	3	1	0	18	1	0	0	27	3	1	0
250/120	11	0	0	0	32	6	1	0	8	0	0	0	33	7	2	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :		: .GE. THRESH :		: .LT. THRESH :	
	: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :		: DAYS :	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/40	54	20	8	4	1	0	0	0	50	14	3	1	4	0	0	0
50/60	25	3	1	0	3	0	0	0	27	3	0	0	6	1	0	0
50/120	11	1	0	0	3	0	0	0	15	1	0	0	9	1	0	0
150/40	37	9	2	1	16	2	0	0	12	1	0	0	29	5	2	1
150/60	16	1	0	0	26	5	1	0	7	0	0	0	48	19	8	5
150/120	7	0	0	0	31	8	2	1	3	0	0	0	59	32	19	12
250/40	1	0	0	0	45	15	6	2	0	0	0	0	41	11	4	2
250/60	0	0	0	0	74	49	33	24	0	0	0	0	66	32	17	11
250/120	0	0	0	0	89	71	57	48	0	0	0	0	81	55	38	26

TABLE A-175. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
60	61	38	15	7	49	24	7	2	78	62	41	29	33	11	1	0	87	77	61	48	19	3	0	0	96	91	82	76	6	1	0	0
120	0	0	0	0	100	100	100	99	52	31	13	4	71	54	29	15	68	47	24	12	45	20	5	1	78	59	37	23	43	19	2	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	95	49	27	8	3	66	44	19	7	64	41	16	6	52	27	6	1
240	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	100	99	96	91	52	27	7	3	68	46	20	9				
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	18	7	0	0	99	97	92	87

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
60	98	97	94	92	0	0	0	0	99	99	98	97	2	0	0	0	100	100	99	99	0	0	0	0	99	98	96	94	2	0	0	0
120	85	72	53	40	23	4	0	0	91	84	70	61	7	1	0	0	95	90	81	72	3	0	0	0	89	80	63	49	27	8	1	0
180	72	54	33	20	41	19	3	1	62	68	49	37	33	12	1	0	85	73	54	39	22	4	1	0	80	66	43	28	38	14	2	0
240	61	38	16	6	55	32	9	2	67	47	23	13	42	20	7	3	73	53	30	15	38	15	1	0	58	35	12	3	53	32	15	9
300	41	20	5	2	74	57	35	21	52	28	9	2	65	42	17	7	44	21	3	0	68	50	30	21	0	0	0	0	99	99	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
60	95	90	80	71	7	1	0	0	83	70	50	37	38	20	6	2	62	39	15	6	61	39	18	10	49	24	5	2	71	51	25	10
120	77	61	39	24	39	17	4	2	66	46	21	3	64	46	30	24	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	60	38	14	4	58	35	16	11	9	4	0	0	99	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	18	7	2	1	97	96	94	95	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-176. PROBABILITY(%), BY MONTH, OF WIND(DAYS) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
40	30	7	0	0	71	52	28	15	38	12	2	0	68	47	21	10	46	21	7	2	60	39	16	7	65	43	19	8	44	19	5	1
80	9	2	0	0	89	79	65	52	18	3	0	0	87	75	56	42	28	5	0	0	82	67	45	32	41	16	2	0	68	48	28	16
120	2	0	0	0	96	91	83	75	4	0	0	0	93	86	73	63	7	0	0	0	91	82	67	57	31	10	1	0	82	68	49	35
160	2	0	0	0	98	96	92	89	4	0	0	0	96	92	85	78	1	0	0	0	95	89	78	68	24	8	1	0	89	80	66	56
200	0	0	0	0	99	98	96	94	0	0	0	0	98	97	94	91	0	0	0	0	98	95	89	82	11	2	0	0	93	86	76	67

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
40	60	36	15	5	45	18	3	1	49	22	3	1	54	29	9	3	39	13	2	0	65	43	22	12	39	16	3	0	69	50	27	16
80	40	16	3	0	73	57	32	18	18	4	0	0	80	64	40	27	9	1	0	0	89	79	64	53	18	5	1	0	92	83	68	57
120	25	7	1	0	86	76	59	49	11	1	0	0	93	86	75	66	4	0	0	0	98	95	92	88	1	0	0	0	98	95	91	85
160	22	6	1	0	91	84	71	62	3	1	0	0	97	94	89	85	0	0	0	0	99	99	98	98	0	0	0	0	100	99	98	97
200	15	4	1	0	95	91	83	76	2	0	0	0	99	97	94	92	0	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
40	43	17	3	1	61	42	21	11	45	17	1	0	63	40	20	12	38	13	1	0	68	47	20	8	24	5	0	0	76	59	38	26
80	14	3	1	0	87	77	62	52	15	2	0	0	84	71	51	36	19	0	0	0	87	76	58	44	5	1	0	0	93	87	77	69
120	3	0	0	0	95	91	84	78	8	1	0	0	93	87	76	65	5	0	0	0	93	87	75	65	0	0	0	0	97	94	88	84
160	1	0	0	0	98	96	93	90	2	0	0	0	94	90	81	72	2	0	0	0	96	93	85	79	0	0	0	0	99	99	97	96
200	0	0	0	0	99	98	97	95	1	0	0	0	97	94	89	84	1	0	0	0	98	97	94	90	0	0	0	0	100	99	98	96

TABLE A-177. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	51	24	5	1	67	46	23	11	49	24	7	1	68	46	21	11	54	25	7	2	69	48	22	10	49	20	3	0	68	47	25	15
80	25	5	0	0	85	73	56	43	28	4	0	0	88	76	58	46	34	6	2	1	86	73	54	40	24	2	0	0	89	78	63	51
120	9	1	0	0	93	85	73	63	13	1	0	0	94	89	79	69	14	2	0	0	95	90	82	74	11	1	0	0	94	88	78	70
160	6	1	0	0	96	92	86	80	5	0	0	0	98	95	90	85	8	1	0	0	97	94	88	81	7	1	0	0	98	96	93	90
200	2	0	0	0	97	94	90	85	2	0	0	0	98	96	92	88	4	0	0	0	98	96	91	87	3	0	0	0	99	98	97	96
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	29	10	2	0	84	72	54	42	11	3	0	0	93	87	75	66	5	1	0	0	97	94	88	83	13	2	0	0	94	89	80	71
80	9	1	0	0	96	93	87	83	3	0	0	0	98	97	93	90	0	0	0	0	100	99	98	97	2	0	0	0	99	99	98	97
120	1	0	0	0	99	98	96	95	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99
160	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
200	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	19	2	0	0	89	79	63	50	40	13	2	1	76	56	31	18	57	27	6	1	64	44	23	12	43	17	5	1	65	45	22	9
80	4	0	0	0	97	94	89	85	19	4	0	0	90	82	65	51	34	7	0	0	84	73	56	43	22	5	0	0	89	79	62	50
120	0	0	0	0	99	98	97	96	12	0	0	0	95	90	81	71	23	3	0	0	92	84	69	57	10	2	0	0	95	89	79	71
160	0	0	0	0	100	99	98	97	1	0	0	0	97	94	89	82	15	0	0	0	95	89	78	68	6	3	0	0	97	94	88	83
200	0	0	0	0	100	100	100	100	1	0	0	0	98	95	91	85	10	0	0	0	96	91	82	74	1	0	0	0	98	96	93	90

TABLE A-178. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	64	42	16	5	45	21	5	1	66	43	20	10	47	24	7	3	72	54	30	16	43	23	7	2	80	63	39	24	32	10	0	0
80	45	17	2	0	69	47	23	12	43	18	4	0	69	47	22	12	50	24	6	2	63	42	16	8	58	35	13	4	52	29	13	5
120	23	4	0	0	79	63	43	30	32	7	1	0	82	66	43	29	42	14	2	0	76	60	38	25	46	17	2	0	67	47	24	13
160	16	3	0	0	87	75	59	46	29	3	0	0	88	76	57	44	33	7	2	1	84	72	52	38	36	10	1	0	78	61	42	32
200	10	1	0	0	92	84	70	59	15	0	0	0	91	84	70	58	14	2	0	0	89	79	64	52	31	8	0	0	86	75	60	49
	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	71	52	27	15	35	10	2	1	66	43	17	7	47	22	6	2	49	25	6	1	55	33	12	6	52	27	7	3	59	36	16	7
80	53	28	9	3	63	42	20	10	34	10	1	0	73	53	27	17	24	6	0	0	84	71	53	39	27	6	1	0	84	72	53	38
120	35	14	2	0	76	59	35	23	17	2	0	0	87	75	57	44	5	1	0	0	93	87	78	70	13	1	0	0	93	87	75	66
160	26	8	0	0	86	76	61	53	9	1	0	0	93	85	73	64	3	0	0	0	98	96	93	90	2	0	0	0	98	95	91	87
200	20	6	1	0	90	83	70	61	3	1	0	0	96	93	88	83	2	0	0	0	99	99	98	97	0	0	0	0	99	98	96	94
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
40	61	35	15	7	51	29	11	3	63	39	15	7	45	22	7	4	69	48	22	10	42	22	4	1	63	39	19	9	48	24	6	1
80	31	8	2	1	77	62	40	28	43	14	1	0	68	46	23	14	47	20	3	1	68	49	24	13	35	12	3	0	72	54	31	19
120	13	4	1	0	88	79	63	53	24	6	0	0	81	67	45	30	33	8	0	0	78	63	40	26	19	5	0	0	83	70	50	37
160	7	3	0	0	95	90	82	75	19	4	0	0	88	78	60	45	27	3	0	0	86	75	57	44	14	5	0	0	91	83	69	57
200	4	0	0	0	97	94	89	85	7	2	0	0	92	84	70	58	21	2	0	0	90	82	66	54	6	2	0	0	94	88	78	70

TABLE A-179. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	13	2	0	0	30	12	2	0	27	6	1	0	13	4	0	0	40	14	3	1
50/80	2	0	0	0	37	15	4	1	13	1	0	0	22	5	1	0	22	2	0	0
50/120	0	0	0	0	43	18	4	1	3	0	0	0	23	5	1	0	7	0	0	0
150/40	0	0	0	0	71	52	28	15	5	0	0	0	64	41	16	6	21	6	1	0
150/80	0	0	0	0	89	79	65	52	0	0	0	0	80	65	42	28	14	1	0	0
150/120	0	0	0	0	96	91	83	75	0	0	0	0	86	75	55	41	2	0	0	0
250/40	0	0	0	0	71	52	28	15	0	0	0	0	68	47	21	10	0	0	0	0
250/80	0	0	0	0	89	79	65	52	0	0	0	0	87	75	56	42	0	0	0	0
250/120	0	0	0	0	96	91	83	75	0	0	0	0	93	86	73	63	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	60	38	15	5	0	0	0	0	49	22	3	1	0	0	0	0	39	13	2	0
50/80	40	16	3	0	0	0	0	0	18	4	0	0	9	1	0	0	0	0	0	0
50/120	25	7	1	0	0	0	0	0	11	1	0	0	0	0	0	0	4	0	0	0
150/40	45	23	5	1	9	1	0	0	41	16	2	1	8	1	0	0	34	10	1	0
150/80	32	11	2	0	26	9	2	0	16	3	0	0	17	4	0	0	8	1	0	0
150/120	21	6	2	0	36	13	2	0	9	1	0	0	19	5	0	0	4	0	0	0
250/40	28	9	0	0	23	4	0	0	31	9	0	0	20	3	0	0	26	7	1	0
250/80	12	1	0	0	39	18	3	1	11	3	0	0	39	14	4	2	7	1	0	0
250/120	8	1	0	0	49	25	5	1	6	1	0	0	41	18	5	2	1	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	42	17	3	1	2	0	0	0	38	12	0	0	16	5	1	0	25	6	0	0
50/80	14	4	1	0	4	1	0	0	13	2	0	0	19	7	4	3	8	1	0	0
50/120	3	0	0	0	5	1	0	0	8	1	0	0	25	10	4	3	3	0	0	0
150/40	35	10	1	1	31	13	2	1	19	3	0	0	56	33	15	11	0	0	0	0
150/80	5	0	0	0	43	22	5	2	5	0	0	0	74	58	37	25	0	0	0	0
150/120	0	0	0	0	46	23	6	3	6	0	0	0	82	71	57	49	0	0	0	0
250/40	2	0	0	0	61	42	21	11	0	0	0	0	63	40	20	12	0	0	0	0
250/80	0	0	0	0	86	76	62	52	0	0	0	0	84	71	51	36	0	0	0	0
250/120	0	0	0	0	94	90	83	76	0	0	0	0	93	87	76	65	0	0	0	0

TABLE A-180. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINNEAPOLIS, MINNESOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	39	17	3	1	13	1	0	0	54	29	10	4	8	0	0	0	63	42	19	8
50/80	26	6	0	0	28	11	2	0	33	11	2	0	11	4	0	0	41	15	3	1
50/120	11	1	0	0	33	14	4	1	24	4	0	0	14	4	0	0	31	4	0	0
150/40	0	0	0	0	45	21	5	1	17	4	0	0	40	18	4	1	36	17	4	0
150/80	0	0	0	0	68	47	23	12	5	0	0	0	64	41	17	9	18	7	1	0
150/120	0	0	0	0	79	63	43	30	0	0	0	0	77	59	34	21	12	2	0	0
250/40	0	0	0	0	45	21	5	1	0	0	0	0	47	24	7	3	0	0	0	0
250/80	0	0	0	0	68	47	23	12	0	0	0	0	69	47	22	12	0	0	0	0
250/120	0	0	0	0	79	63	43	30	0	0	0	0	82	66	43	29	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	71	52	27	15	0	0	0	0	66	43	17	7	0	0	0	0	49	25	6	1
50/80	30	8	2	1	0	0	0	0	34	10	1	0	10	4	1	0	27	8	1	0
50/120	14	4	1	0	0	0	0	0	16	5	1	0	18	4	0	0	5	1	0	0
150/40	46	21	5	3	2	6	1	0	24	6	1	0	34	15	4	2	0	0	0	0
150/80	19	2	0	0	37	16	3	1	15	3	0	0	59	37	15	10	0	0	0	0
150/120	7	1	0	0	45	21	5	2	6	0	0	0	70	52	30	19	0	0	0	0
250/40	2	0	0	0	51	29	11	3	0	0	0	0	45	22	7	4	0	0	0	0
250/80	0	0	0	0	76	61	40	28	0	0	0	0	68	46	23	14	0	0	0	0
250/120	0	0	0	0	87	78	62	52	0	0	0	0	81	67	45	30	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/40	59	33	13	6	0	0	0	0	53	26	6	1	9	1	0	0	43	19	4	1
50/80	30	8	2	1	3	0	0	0	34	10	0	0	10	4	1	0	27	8	1	0
50/120	14	4	1	0	3	0	0	0	18	4	0	0	16	5	1	0	18	4	0	0
150/40	46	21	5	3	2	6	1	0	24	6	1	0	34	15	4	2	0	0	0	0
150/80	19	2	0	0	37	16	3	1	15	3	0	0	59	37	15	10	0	0	0	0
150/120	7	1	0	0	45	21	5	2	6	0	0	0	70	52	30	19	0	0	0	0
250/40	2	0	0	0	51	29	11	3	0	0	0	0	45	22	7	4	0	0	0	0
250/80	0	0	0	0	76	61	40	28	0	0	0	0	68	46	23	14	0	0	0	0
250/120	0	0	0	0	87	78	62	52	0	0	0	0	81	67	45	30	0	0	0	0

TABLE A-181. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	36	11	5	2	64	30	13	5	70	40	22	13	30	6	2	1	88	72	60	51	12	0	0	0	95	86	77	71	5	0	0	0
120	0	0	0	0	100	100	100	100	20	5	1	0	80	60	47	38	60	28	13	7	40	9	2	1	75	51	35	25	25	4	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	26	6	2	1	74	47	32	22	58	30	17	11	42	14	4	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	98	94	89	38	12	5	2	62	30	15	6
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	2	0	0	0	98	95	89	83

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	99	96	95	94	1	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	98	97	95	0	0	0	0
120	88	73	61	52	12	1	0	0	92	82	74	66	8	1	0	0	98	93	89	86	2	0	0	0	92	79	67	57	8	1	0	0
180	73	51	37	28	27	7	1	0	80	59	44	33	20	4	2	0	89	73	62	52	11	1	0	0	81	57	39	27	19	3	1	0
240	58	31	16	11	42	14	5	1	63	35	20	12	37	11	4	1	76	51	35	24	24	5	1	0	60	29	14	7	40	14	6	4
300	34	11	4	1	65	36	20	10	44	15	5	2	56	24	10	5	49	16	5	1	51	19	8	4	9	1	0	0	91	83	80	80

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	95	86	79	72	5	0	0	0	84	64	49	38	16	2	0	0	47	15	6	3	53	21	9	5	8	0	0	0	92	84	79	74
120	74	47	31	20	26	4	1	0	49	22	9	4	51	30	23	21	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	53	23	11	5	47	20	12	9	1	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	6	1	0	0	94	91	90	90	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-182. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	39	10	3	2	61	27	12	4	46	12	3	1	54	19	7	3	57	19	8	3	43	8	2	0	67	34	16	8	33	5	1	0
140	21	3	0	0	79	52	33	20	27	3	1	0	73	39	22	12	38	7	2	1	62	25	10	4	47	13	4	1	53	18	6	2
200	8	1	0	0	92	78	66	56	15	1	0	0	85	64	49	36	24	2	0	0	76	45	26	16	32	4	0	0	68	36	20	12
260	4	0	0	0	96	89	81	74	8	0	0	0	92	76	63	53	15	1	0	0	85	62	47	34	22	2	0	0	78	53	37	25
320	2	0	0	0	98	93	87	82	5	0	0	0	95	84	75	67	9	0	0	0	91	76	63	52	14	1	0	0	86	68	53	42

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	63	27	11	4	37	8	1	0	56	20	7	2	44	10	3	1	50	12	2	0	50	16	6	2	48	10	3	1	52	16	5	1
140	44	11	3	0	57	24	10	6	34	5	1	0	66	32	17	10	26	3	1	0	74	43	26	15	25	2	0	0	75	42	20	10
200	29	4	0	0	72	42	27	16	21	3	0	0	79	56	39	27	14	0	0	0	86	66	51	40	12	0	0	0	88	67	50	37
260	18	1	0	0	83	58	42	31	12	1	0	0	88	71	58	47	8	0	0	0	92	79	70	62	5	0	0	0	95	83	72	62
320	10	0	0	0	90	75	63	54	7	0	0	0	93	80	70	61	4	0	0	0	96	89	83	78	3	0	0	0	97	91	85	79

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	53	17	5	1	47	12	3	0	49	13	4	1	51	16	5	3	40	9	2	0	60	27	14	8	33	4	0	0	67	33	16	8
140	31	4	0	0	69	34	17	9	29	4	0	0	71	40	23	14	22	3	0	0	78	52	38	27	15	1	0	0	85	63	47	35
200	19	2	0	0	81	55	37	26	16	1	0	0	84	62	48	37	12	0	0	0	88	70	57	47	7	0	0	0	93	82	72	63
260	9	0	0	0	91	75	62	52	8	0	0	0	92	79	69	61	8	0	0	0	92	80	71	62	3	0	0	0	97	91	85	81
320	6	0	0	0	94	84	74	65	5	0	0	0	95	86	79	72	5	0	0	0	95	86	79	73	2	0	0	0	98	93	90	86

TABLE A-183. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	69	42	26	16	31	9	3	1	60	30	14	8	40	14	6	3	48	17	6	2	52	21	9	4	41	13	3	1	59	31	16	7
140	49	18	7	2	51	21	9	5	38	11	3	1	62	32	18	10	25	4	1	0	75	49	32	22	19	1	0	0	81	61	45	33
200	35	8	3	1	65	35	20	13	23	4	0	0	77	53	37	26	13	1	0	0	87	71	58	47	11	0	0	0	89	75	63	53
260	22	3	0	0	78	54	38	27	15	1	0	0	85	66	52	41	8	0	0	0	92	81	72	64	6	0	0	0	94	86	78	72
320	15	1	0	0	85	66	52	40	10	1	0	0	90	77	67	56	4	0	0	0	96	90	85	81	3	0	0	0	97	92	88	84

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	33	8	2	0	67	42	27	19	13	1	0	0	87	67	52	41	7	0	0	0	93	81	70	61	18	1	0	0	82	57	39	29
140	13	1	0	0	87	73	63	54	4	0	0	0	96	90	84	79	1	0	0	0	99	97	94	92	5	0	0	0	95	86	77	69
200	5	0	0	0	95	88	82	76	2	0	0	0	98	95	93	91	0	0	0	0	100	99	97	96	2	0	0	0	98	94	90	85
260	1	0	0	0	99	96	94	92	1	0	0	0	99	97	96	95	0	0	0	0	100	99	99	98	0	0	0	0	100	99	95	92
320	1	0	0	0	100	95	97	96	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	98	0	0	0	0	100	98	97	95

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	31	6	1	0	69	39	22	12	43	12	4	1	57	25	12	7	56	25	12	6	44	16	7	3	65	35	19	11	35	9	3	1
140	11	1	0	0	89	73	60	49	1	2	0	0	79	54	38	27	31	9	4	2	69	40	24	13	42	14	6	3	58	28	13	5
200	5	0	0	0	95	87	80	74	11	0	0	0	89	74	61	51	20	3	1	0	80	57	41	29	28	6	1	0	72	42	26	17
260	2	0	0	0	98	93	89	84	6	0	0	0	94	83	74	67	13	1	0	0	87	71	57	47	18	2	0	0	82	60	44	32
320	2	0	0	0	98	96	93	90	4	0	0	0	96	89	83	77	8	1	0	0	92	81	71	63	12	1	0	0	88	72	60	49

TABLE A-184. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50	78	55	39	26	22	4	0	0	76	49	32	21	24	4	1	0	77	51	34	23	23	3	0	0	83	59	42	29	17	1	0	0
140	63	33	17	8	37	10	4	1	60	28	12	5	40	12	4	1	61	28	14	6	39	9	2	1	65	32	15	7	35	7	1	0
200	50	18	8	3	50	18	8	4	46	13	4	1	54	22	10	4	48	15	5	2	52	17	6	2	51	19	7	2	49	18	7	3
260	41	11	4	1	59	26	13	7	35	8	2	0	65	34	19	10	35	6	1	0	65	31	15	7	38	8	1	0	62	30	14	6
320	31	6	2	0	69	39	21	13	26	4	1	0	74	45	28	19	25	2	0	0	75	44	26	14	29	4	0	0	71	43	26	16

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	76	47	28	17	24	2	0	0	68	35	18	9	32	4	1	0	63	27	11	6	37	9	2	0	65	31	18	12	35	5	1	0
140	58	23	8	2	42	13	5	2	46	13	4	1	54	19	7	3	36	6	2	0	64	31	16	8	42	8	1	1	58	23	9	4
200	44	11	2	0	57	25	11	7	28	4	1	0	72	43	25	15	23	2	0	0	77	50	32	21	25	3	0	0	75	45	25	14
260	32	6	1	0	68	39	24	16	19	3	0	0	81	59	42	30	12	0	0	0	88	69	56	45	15	1	0	0	85	64	45	33
320	25	3	0	0	76	49	33	24	12	1	0	0	88	71	58	47	8	0	0	0	93	81	73	65	9	0	0	0	91	76	62	50

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
60	72	39	22	11	28	4	0	0	74	47	29	19	26	4	1	0	75	48	31	20	25	4	1	0	75	48	30	19	25	4	1	0
140	50	17	5	2	50	15	4	1	51	17	7	3	49	16	6	3	54	23	11	5	46	17	7	4	57	24	11	7	43	12	4	2
200	36	6	1	0	64	30	13	6	38	8	2	0	62	29	15	9	39	11	3	1	61	29	16	8	44	13	5	2	56	22	8	3
260	25	3	0	0	75	44	25	14	28	3	0	0	72	41	24	16	28	5	1	0	72	43	27	15	33	7	1	0	67	36	19	10
320	16	1	0	0	84	61	44	31	20	1	0	0	80	54	39	28	22	3	0	0	78	55	40	29	24	3	0	0	76	49	32	21

TABLE A-185. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	16	2	0	0	31	6	1	0	29	5	1	0	15	1	0	0	45	11	2	1	2	0	0	0	60	24	10	4	0	0	0	0
50/200	4	0	0	0	43	11	3	1	11	1	0	0	20	3	1	0	21	2	0	0	4	0	0	0	32	4	0	0	0	0	0	0
50/300	1	0	0	0	45	11	3	1	4	0	0	0	22	4	1	0	10	0	0	0	6	0	0	0	16	1	0	0	1	0	0	0
150/100	0	0	0	0	68	37	20	11	0	0	0	0	62	26	12	5	21	1	0	0	25	3	0	0	38	8	2	1	11	1	0	0
150/200	0	0	0	0	92	78	66	56	0	0	0	0	84	63	47	34	9	0	0	0	40	9	2	0	19	1	0	0	21	2	0	0
150/300	0	0	0	0	97	91	85	79	0	0	0	0	93	80	67	55	3	0	0	0	47	14	4	1	9	0	0	0	27	4	0	0
250/100	0	0	0	0	68	37	20	11	0	0	0	0	62	26	12	6	0	0	0	0	50	13	3	1	17	1	0	0	25	3	1	0
250/200	0	0	0	0	92	78	66	56	0	0	0	0	85	64	49	38	0	0	0	0	76	45	26	15	8	0	0	0	45	13	4	0
250/300	0	0	0	0	97	91	85	79	0	0	0	0	94	82	72	63	0	0	0	0	89	71	56	43	3	0	0	0	56	24	11	4

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	56	20	6	2	0	0	0	0	49	13	3	1	0	0	0	0	41	7	2	0	0	0	0	0	38	5	1	0	0	0	0	0
50/200	29	4	0	0	0	0	0	0	21	3	0	0	0	0	0	0	14	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
50/300	12	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/100	42	10	2	1	7	1	0	0	41	10	3	1	6	0	0	0	38	6	1	0	3	0	0	0	33	4	0	0	9	0	0	0
150/200	20	2	0	0	12	1	0	0	17	2	0	0	11	1	0	0	13	0	0	0	6	0	0	0	10	0	0	0	12	2	0	0
150/300	8	0	0	0	16	2	0	0	8	1	0	0	13	2	0	0	5	0	0	0	7	0	0	0	2	0	0	0	13	2	0	0
250/100	28	5	1	0	18	2	0	0	27	4	1	0	19	1	0	0	27	3	1	0	14	1	0	0	20	1	0	0	27	4	1	0
250/200	14	1	0	0	31	6	1	0	10	1	0	0	30	7	1	0	10	0	0	0	24	4	1	0	6	0	0	0	39	12	3	1
250/300	5	0	0	0	39	11	3	0	4	0	0	0	36	9	2	1	4	0	0	0	26	5	1	0	2	0	0	0	43	16	8	6

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	43	10	2	0	1	0	0	0	37	7	1	0	5	0	0	0	19	1	0	0	30	7	3	1	10	0	0	0	45	15	5	2
50/200	18	2	0	0	1	0	0	0	14	1	0	0	7	1	0	0	7	0	0	0	39	10	4	2	2	0	0	0	56	24	11	5
50/300	6	0	0	0	2	0	0	0	5	0	0	0	8	1	0	0	3	0	0	0	41	12	4	2	0	0	0	0	59	26	12	6
150/100	28	3	0	0	18	2	0	0	9	1	0	0	49	19	9	5	0	0	0	0	68	36	21	13	0	0	0	0	74	43	24	13
150/200	10	0	0	0	26	5	1	0	3	0	0	0	69	45	33	25	0	0	0	0	88	70	57	47	0	0	0	0	93	82	72	63
150/300	3	0	0	0	31	7	2	0	1	0	0	0	76	60	52	47	0	0	0	0	94	84	77	70	0	0	0	0	98	93	89	86
250/100	0	0	0	0	54	18	5	1	0	0	0	0	60	25	12	6	0	0	0	0	68	36	21	13	0	0	0	0	74	43	24	13
250/200	9	0	0	0	80	54	37	25	0	0	0	0	84	62	48	37	0	0	0	0	88	70	57	47	0	0	0	0	93	82	72	63
250/300	0	0	0	0	93	80	70	61	0	0	0	0	94	85	77	70	0	0	0	0	94	84	77	70	0	0	0	0	98	93	89	86

TABLE A-186. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	28	9	2	0	11	0	0	0	53	23	11	6	6	0	0	0	65	31	16	8	1	0	0	0	76	48	28	16	0	0	0	0
50/200	26	4	1	0	23	3	0	0	35	9	1	0	12	1	0	0	43	11	3	1	2	0	0	0	50	18	6	2	0	0	0	0
50/300	17	2	0	0	30	5	1	0	22	4	0	0	17	2	0	0	26	3	0	0	4	0	0	0	30	5	1	0	0	0	0	0
150/100	0	0	0	0	26	5	1	0	1	0	0	0	30	7	2	0	29	5	0	0	13	0	0	0	51	18	7	3	7	0	0	0
150/200	0	0	0	0	50	18	9	4	0	0	0	0	53	22	9	3	19	2	0	0	27	4	1	0	32	6	1	1	14	1	0	0
150/300	0	0	0	0	66	34	17	9	0	0	0	0	71	40	23	12	10	0	0	0	37	7	1	0	18	1	0	0	21	3	0	0
250/100	0	0	0	0	26	5	1	0	0	0	0	0	30	7	2	0	0	0	0	0	29	4	1	0	25	4	1	0	16	1	0	0
250/200	0	0	0	0	50	18	8	4	0	0	0	0	54	22	10	4	0	0	0	0	52	17	6	2	14	1	0	0	31	7	1	0
250/300	0	0	0	0	66	34	17	9	0	0	0	0	72	41	25	15	0	0	0	0	71	38	21	10	7	0	0	0	45	14	4	1

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	69	37	19	9	0	0	0	0	60	25	10	4	0	0	0	0	54	18	6	3	0	0	0	0	58	22	9	5	0	0	0	0
50/200	44	11	2	0	0	0	0	0	28	4	1	0	0	0	0	0	23	2	0	0	0	0	0	0	25	3	0	0	0	0	0	0
50/300	27	4	0	0	0	0	0	0	13	2	0	0	0	0	0	0	9	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0
150/100	52	20	7	3	4	0	0	0	50	16	6	3	4	0	0	0	50	13	4	2	3	0	0	0	49	14	3	1	5	0	0	0
150/200	32	5	1	0	8	1	0	0	24	3	1	0	9	1	0	0	21	2	0	0	5	0	0	0	22	2	0	0	11	1	0	0
150/300	19	2	0	0	12	1	0	0	11	1	0	0	12	1	0	0	8	0	0	0	6	0	0	0	8	0	0	0	12	2	0	0
250/100	35	9	2	1	12	1	0	0	33	7	1	0	14	0	0	0	37	6	1	1	11	1	0	0	29	3	1	0	16	2	1	0
250/200	21	3	0	0	22	4	0	0	15	1	0	0	28	4	1	0	16	1	0	0	21	3	1	0	12	0	0	0	32	7	2	1
2																																

TABLE A-187. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	47	26	10	5	69	45	20	8	74	56	31	19	35	16	4	2	90	82	68	57	20	3	0	0	95	90	81	73	5	1	0	0
120	0	0	0	0	100	100	100	100	42	22	5	1	85	75	59	48	66	44	20	10	46	20	4	1	81	66	45	31	36	12	2	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	45	20	5	2	79	63	43	29	67	48	26	16	52	27	7	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	99	98	94	89	50	26	9	4	67	45	22	9
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	5	1	0	0	98	97	91	84

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	97	96	95	2	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	99	97	95	0	0	0	0
120	90	82	68	56	24	6	2	0	94	89	79	71	16	3	0	0	98	95	91	87	3	0	0	0	93	85	73	61	12	3	1	0
180	80	67	47	35	43	21	3	0	84	72	54	39	32	12	4	1	90	82	69	57	18	5	0	0	83	68	46	31	25	11	3	1
240	68	50	27	17	54	30	10	1	69	53	28	16	48	25	8	2	81	66	45	30	33	14	2	0	66	45	21	10	53	31	14	9
300	46	27	9	2	72	52	28	14	51	29	8	3	61	38	16	8	57	32	9	3	52	35	15	6	29	7	1	0	95	91	89	88

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	95	90	82	74	5	2	0	0	86	75	56	43	31	12	0	0	50	28	10	4	60	36	15	7	16	3	1	0	95	91	86	81
120	78	62	40	25	40	12	3	1	63	42	17	6	70	56	45	41	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
180	62	40	16	6	62	42	24	18	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	17	6	2	0	98	96	96	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-188. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINOT, NORTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50	41	19	6	3	62	41	17	6	49	25	5	1	54	32	10	4	56	33	13	6	43	17	3	0	68	48	22	10	31	11	1	0
140	23	9	2	0	80	65	41	25	29	7	2	0	72	51	28	15	39	15	4	2	62	39	15	6	50	26	7	1	53	31	10	4
200	10	3	0	0	92	84	71	60	20	4	1	0	100	100	100	100	24	7	0	0	77	58	34	20	40	12	1	0	70	51	28	16
260	9	1	0	0	96	92	84	77	7	3	0	0	91	82	68	57	12	3	0	0	66	72	54	39	28	7	0	0	80	66	45	30
320	5	2	0	0	98	95	89	84	7	0	0	0	94	88	79	70	10	2	0	0	92	83	69	55	17	2	0	0	87	77	60	47

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	65	42	16	5	43	19	2	0	56	34	11	3	46	21	5	1	51	22	4	1	52	30	10	4	47	20	5	1	51	28	9	2
140	50	23	5	0	62	41	16	9	38	13	2	0	68	46	24	13	27	8	1	0	75	57	34	19	26	7	0	0	75	55	26	12
200	35	11	1	0	74	57	36	24	31	9	1	0	82	69	47	32	10	1	0	0	86	75	58	45	12	2	0	0	87	76	55	40
260	20	4	0	0	83	70	50	36	16	4	0	0	89	80	64	52	4	0	0	0	92	85	75	66	4	0	0	0	94	88	76	65
320	16	1	0	0	90	82	69	56	10	1	0	0	93	86	75	65	2	0	0	0	96	93	86	80	5	0	0	0	97	93	87	81

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	54	29	8	2	48	23	5	1	49	24	7	2	52	27	9	4	47	21	3	1	64	43	21	11	37	12	1	0	68	47	22	11
140	34	11	1	0	70	49	23	11	32	11	1	0	74	55	30	18	32	10	0	0	81	66	47	33	17	2	0	0	86	73	54	40
200	22	7	0	0	82	66	44	29	15	2	0	0	85	73	56	43	18	2	0	0	89	79	64	52	9	1	0	0	94	87	76	66
260	9	1	0	0	91	82	67	56	8	0	0	0	92	86	74	65	15	1	0	0	93	87	77	67	4	1	0	0	97	93	88	83
320	4	0	0	0	95	89	78	66	4	1	0	0	95	91	83	76	8	1	0	0	95	90	83	76	4	1	0	0	98	96	92	88

TABLE A-191. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINOT, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	22	7	1	0	35	14	2	0	30	13	1	0	22	5	0	0	45	22	4	1	6	0	0	0	62	39	15	6	0	0	0	0
50/200	1	0	0	0	47	21	6	1	14	4	1	0	27	10	2	0	22	7	0	0	8	1	0	0	40	12	1	0	0	0	0	0
50/300	0	0	0	0	48	22	5	1	7	0	0	0	29	13	3	1	13	2	0	0	14	2	0	0	17	4	0	0	0	0	0	0
150/100	0	0	0	0	71	51	28	14	0	0	0	0	62	40	17	7	21	5	0	0	31	9	1	0	44	18	4	2	14	4	0	0
150/200	0	0	0	0	92	84	71	60	0	0	0	0	86	73	54	39	4	0	0	0	48	21	5	1	29	6	0	0	29	9	0	0
150/300	0	0	0	0	97	94	88	81	0	0	0	0	93	85	71	58	0	0	0	0	55	28	7	1	10	1	0	0	36	12	1	0
250/100	0	0	0	0	71	51	28	14	0	0	0	0	62	40	18	6	0	0	0	0	51	26	6	1	26	9	1	0	32	10	2	0
250/200	0	0	0	0	92	84	71	60	0	0	0	0	86	74	56	42	0	0	0	0	77	58	34	20	17	5	0	0	52	28	7	1
250/300	0	0	0	0	97	94	88	81	0	0	0	0	93	87	76	66	0	0	0	0	89	79	62	47	2	0	0	0	62	40	17	6

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	58	33	10	3	0	0	0	0	50	26	6	2	0	0	0	0	42	16	3	1	0	0	0	0	38	12	1	0	0	0	0	0
50/200	35	11	1	0	0	0	0	0	31	9	1	0	0	0	0	0	10	1	0	0	0	0	0	0	11	2	0	0	0	0	0	0
50/300	16	1	0	0	0	0	0	0	12	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/100	46	23	4	1	17	4	0	0	43	21	5	2	6	1	0	0	40	13	2	1	7	0	0	0	33	10	0	0	10	3	0	0
150/200	30	9	1	0	22	5	0	0	26	9	1	0	18	4	0	0	10	1	0	0	10	0	0	0	10	2	0	0	16	8	1	0
150/300	11	0	0	0	29	8	1	0	10	3	0	0	20	6	1	0	2	0	0	0	12	0	0	0	2	0	0	0	17	8	2	0
250/100	35	14	3	1	25	8	1	0	30	12	2	0	22	5	0	0	32	9	2	1	18	5	0	0	22	4	0	0	35	13	2	1
250/200	22	6	1	0	37	18	3	1	16	4	0	0	39	17	3	1	6	0	0	0	31	12	2	0	5	1	0	0	51	28	8	4
250/300	8	0	0	0	47	24	7	1	8	3	0	0	45	21	5	2	2	0	0	0	35	14	2	0	2	0	0	0	55	35	18	13

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	43	18	3	1	0	0	0	0	40	16	2	0	20	5	0	0	23	6	0	0	40	19	5	2	10	0	0	0	53	31	9	3
50/200	20	7	0	0	0	0	0	0	12	2	0	0	22	9	0	0	14	1	0	0	47	23	8	3	2	0	0	0	61	39	17	8
50/300	2	0	0	0	0	0	0	0	4	1	0	0	26	10	0	0	5	0	0	0	51	26	8	4	0	0	0	0	63	43	19	10
150/100	29	8	1	0	25	7	1	0	26	5	0	0	59	35	16	8	0	0	0	0	70	51	29	18	0	0	0	0	75	57	32	17
150/200	10	2	0	0	34	14	4	1	7	1	0	0	79	65	48	36	0	0	0	0	89	79	64	52	0	0	0	0	94	87	76	66
150/300	0	0	0	0	41	20	6	1	3	0	0	0	87	78	68	60	0	0	0	0	94	90	81	73	0	0	0	0	98	95	91	88
250/100	0	0	0	0	55	31	9	2	0	0	0	0	62	39	17	9	0	0	0	0	70	51	29	18	0	0	0	0	75	57	32	17
250/200	0	0	0	0	81	66	43	29	0	0	0	0	85	73	56	43	0	0	0	0	89	79	64	52	0	0	0	0	94	87	76	66
250/300	0	0	0	0	93	86	74	64	0	0	0	0	95	90	81	73	0	0	0	0	94	90	81	73	0	0	0	0	98	95	91	88

TABLE A-192. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - MINOT, NORTH DAKOTA

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	42	20	4	1	13	1	0	0	59	39	17	9	11	1	0	0	68	47	23	12	0	0	0	0	78	61	36	20	0	0	0	0
50/200	32	10	2	0	25	7	1	0	41	19	2	0	18	5	1	0	46	23	5	1	6	1	0	0	56	31	10	3	0	0	0	0
50/300	20	6	0	0	35	12	1	0	28	10	1	0	24	8	1	0	26	8	1	0	8	1	0	0	41	14	2	0	0	0	0	0
150/100	0	0	0	0	31	13	2	1	2	0	0	0	40	18	4	1	34	14	2	0	18	3	0	0	57	33	12	4	12	5	0	0
150/200	0	0	0	0	54	30	12	6	0	0	0	0	58	37	15	5	21	7	0	0	34	12	2	0	39	15	1	1	21	6	0	0
150/300	0	0	0	0	70	50	23	12	0	0	0	0	74	54	29	15	8	1	0	0	45	18	2	0	25	6	0	0	30	9	0	0
250/100	0	0	0	0	31	13	2	1	0	0	0	0	41	17	4	1	0	0	0	0	33	12	2	0	34	14	2	0	22	6	1	0
250/200	0	0	0	0	54	30	12	6	0	0	0	0	58	37	15	5	0	0	0	0	57	31	10	3	22	6	0	0	40	19	3	0
250/300	0	0	0	0	70	50	23	12	0	0	0	0	74	55	32	19	0	0	0	0	73	52	28	13	16	6	0	0	54	29	7	1

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/100	72	51	25	11	0	0	0	0	63	40	15	5	0	0	0	0	56	30	9	4	0	0	0	0	59	35	13	7	0	0	0	0
50/200	49	22	4	0	0	0	0	0	36	12	2	0	0	0	0	0	20	6	1	0	0	0	0	0	33	9	0	0	0	0	0	0
50/300	38	13	1	0	0	0	0	0	26	7	0	0	0	0	0	0	7	0	0	0	0	0	0	0	15	1	0	0	0	0	0	0
150/100	58	34	11	4	6	1	0	0	52	30	11	5	3	0	0	0	52	24	6	3	6	0	0	0	52	26	5	1	5	1	0	0
150/200	37	14	2	0	16	5	0	0	31	11	2	0	16	4	0	0	16	5	1	0	6	0	0	0	27	6	0	0	15	7	0	0
150/300	29	8	0	0	21	5	0	0	19	6	0	0	18	6	1	0	6	0	0	0	10	0	0	0	11	0	0	0	16	8	1	0
250/100	44	21	5	1	17	4	0	0	37	18	3	0	16	2	0	0	41	14	2	1	14	5	0	0	31	10	2	0	23	6	2	0
250/200	30	10	1	0	30	13	1	0	19	5	1	0	36	13	2	0	13	4	0	0	27	8	1	1	15	2	0	0	45	20	4	2
250/300	25	5	0	0	40	19	3	1	12	3	0	0	41	18	5	2	7	0	0	0	33	13	2	0	7	0	0	0	53	32	12	5

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH									

TABLE A-193. PROBABILITY(X), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	71	44	27	18	29	8	3	1	81	61	45	34	20	3	0	0	90	76	64	53	10	1	0	0	92	79	69	58	8	0	0	0
120	1	0	0	0	99	95	90	84	54	23	8	3	46	15	6	2	71	40	21	13	29	5	1	0	77	52	35	23	23	2	0	0
180	0	0	0	0	100	100	100	100	5	1	0	0	95	87	80	71	47	16	6	2	53	18	6	2	64	36	21	12	36	9	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	9	2	0	0	91	77	65	56	46	17	6	2	54	20	6	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	2	0	0	89	73	59	48

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	95	86	78	72	5	0	0	0	99	97	95	94	1	0	0	0	99	98	97	96	1	0	0	0	99	96	93	90	1	0	0	0
120	86	68	55	44	14	1	0	0	95	88	82	76	5	0	0	0	95	86	78	70	5	0	0	0	92	78	65	54	8	0	0	0
180	76	50	33	21	24	4	1	0	85	66	51	40	15	1	0	0	86	64	48	36	14	1	0	0	80	54	35	24	20	2	0	0
240	60	30	17	9	40	11	2	0	72	45	28	17	28	5	1	0	75	43	24	13	25	4	0	0	65	34	17	8	35	10	2	0
300	37	12	5	1	63	32	15	6	52	22	11	5	48	16	6	3	53	19	6	2	47	16	6	2	17	3	1	0	63	68	60	56

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	90	76	65	54	10	0	0	0	85	66	52	41	15	2	0	0	66	37	21	10	34	9	2	1	60	28	12	5	40	12	4	2
120	74	49	32	19	26	6	1	0	68	40	25	16	32	10	4	2	19	4	1	0	81	64	58	55	0	0	0	0	100	100	100	100
180	59	26	12	6	41	12	5	3	27	11	5	2	73	61	58	55	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	22	5	1	0	78	62	57	55	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-194. PROBABILITY(X), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	29	4	0	0	71	38	19	10	42	8	2	1	58	21	8	3	56	21	9	4	44	12	3	1	68	30	15	7	32	5	1	0
100	15	1	0	0	85	62	42	29	25	2	0	0	75	43	25	16	37	8	2	1	63	29	16	8	49	13	4	2	51	15	5	2
140	8	0	0	0	92	76	62	49	15	0	0	0	86	62	42	31	26	4	2	0	74	43	25	14	39	8	2	0	61	28	15	8
180	6	0	0	0	94	82	73	64	9	0	0	0	92	77	62	51	20	2	1	0	80	52	34	21	28	4	0	0	72	41	27	19
220	5	0	0	0	95	86	79	72	6	0	0	0	94	84	73	65	15	1	0	0	85	62	46	33	20	2	0	0	80	55	42	32

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	57	20	8	4	43	12	4	1	43	14	4	2	57	25	12	5	29	5	1	1	71	40	24	14	27	5	3	1	73	45	27	16
100	36	7	2	1	64	32	17	10	24	4	1	1	76	51	35	23	11	1	0	0	89	74	63	55	10	0	0	0	90	74	61	49
140	22	2	0	0	78	52	37	27	13	1	0	0	87	70	57	46	4	0	0	0	96	90	85	81	4	0	0	0	96	90	86	81
180	15	1	0	0	85	66	53	43	6	0	0	0	94	83	73	63	2	0	0	0	98	95	92	90	1	0	0	0	99	96	94	92
220	9	1	0	0	91	77	68	61	3	0	0	0	97	91	85	80	0	0	0	0	100	98	97	96	1	0	0	0	99	97	95	93

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
60	32	4	1	0	68	36	19	10	38	7	2	1	62	29	16	8	40	10	3	1	60	26	9	4	31	4	1	0	69	35	19	11
100	15	1	0	0	85	63	48	39	21	1	0	0	79	54	38	27	21	2	0	0	79	52	35	23	20	2	0	0	81	56	41	30
140	6	0	0	0	94	83	74	66	10	0	0	0	90	74	61	49	13	1	0	0	87	65	48	34	12	0	0	0	88	71	58	47
180	3	0	0	0	97	92	86	81	5	0	0	0	95	85	77	68	9	0	0	0	91	76	62	49	7	0	0	0	93	82	72	64
220	1	0	0	0	99	96	92	90	3	0	0	0	97	90	84	77	6	0	0	0	94	84	74	64	5	0	0	0	95	86	78	70

TABLE A-195. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	45 14 4 1	55 22 9 4	43 11 3 1	58 27 10 3	38 11 4 2	62 32 17 11	39 10 2 0	62 30 17 8
100	32 5 0 0	68 37 21 12	26 4 0 0	74 47 29 16	23 5 1 0	77 55 39 28	21 3 0 0	79 59 45 34
140	23 3 0 0	77 53 37 26	17 2 0 0	83 63 48 36	16 2 1 0	84 64 48 37	12 1 0 0	88 74 65 57
180	16 1 0 0	84 62 48 36	12 1 0 0	88 73 61 51	11 1 0 0	89 75 62 51	7 1 0 0	93 85 78 72
220	11 1 0 0	89 73 60 49	8 0 0 0	92 81 71 61	7 0 0 0	93 83 74 66	4 0 0 0	96 89 84 79
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	26 4 1 0	74 51 39 30	16 1 0 0	84 65 51 41	7 0 0 0	93 82 74 64	6 0 0 0	94 84 74 65
100	9 0 0 0	91 78 69 62	5 0 0 0	95 87 79 72	2 0 0 0	98 94 91 88	2 0 0 0	98 95 91 87
140	4 0 0 0	96 91 86 82	1 0 0 0	99 96 93 90	1 0 0 0	99 98 97 95	1 0 0 0	99 97 96 94
180	3 0 0 0	97 93 90 87	1 0 0 0	99 97 96 94	0 0 0 0	100 100 100 99	0 0 0 0	100 99 98 98
220	1 0 0 0	99 97 96 94	1 0 0 0	99 98 96 95	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	13 1 0 0	87 71 57 46	23 5 0 0	77 53 37 26	39 10 1 0	61 32 15 7	39 12 5 2	61 31 15 7
100	4 0 0 0	96 89 83 77	11 1 0 0	89 74 59 48	20 2 0 0	80 57 39 27	23 3 1 0	77 53 37 27
140	1 0 0 0	99 98 95 93	6 0 0 0	94 84 74 64	12 0 0 0	88 69 53 41	16 2 0 0	84 65 51 40
180	0 0 0 0	100 99 99 99	3 0 0 0	97 91 85 79	9 0 0 0	91 77 65 54	11 1 0 0	89 73 61 52
220	0 0 0 0	100 100 100 100	2 0 0 0	98 95 91 87	7 0 0 0	93 82 73 64	7 0 0 0	93 81 71 63

TABLE A-196. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	62 27 11 5	38 7 1 0	67 36 20 11	33 7 2 1	72 44 29 20	28 4 1 0	82 54 36 22	18 1 0 0
100	45 13 3 1	55 20 7 2	50 16 5 2	50 18 5 1	57 22 7 3	44 13 4 1	66 30 14 5	34 6 2 1
140	35 5 0 0	65 32 17 9	40 9 2 0	60 26 10 3	44 14 5 2	56 24 12 6	55 20 8 3	45 14 6 2
180	28 3 0 0	72 41 24 12	29 4 1 0	72 40 20 11	34 8 3 1	66 35 21 12	44 11 3 1	56 23 12 5
220	22 1 0 0	78 50 33 20	22 2 1 0	78 50 30 19	28 5 2 0	72 42 26 15	36 8 2 1	64 31 18 10
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	68 36 18 9	32 8 2 1	54 23 9 2	46 16 7 2	42 9 3 1	58 23 9 4	41 12 5 3	59 27 12 6
100	55 21 10 4	45 14 5 2	37 11 3 1	63 34 19 11	22 3 0 0	78 52 35 23	22 3 1 0	78 53 34 22
140	39 10 3 0	61 33 20 13	26 5 1 1	74 49 33 22	11 1 0 0	89 74 63 53	10 0 0 0	90 75 63 53
180	27 4 1 0	73 49 35 26	16 2 0 0	84 65 52 41	5 0 0 0	95 88 83 77	6 0 0 0	94 84 76 68
220	20 2 0 0	80 57 43 32	9 0 0 0	91 76 64 53	3 0 0 0	97 93 89 84	2 0 0 0	98 93 88 83
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	47 14 3 0	53 22 10 4	56 21 8 3	44 13 4 1	62 30 14 6	38 11 2 1	60 27 14 8	40 10 3 1
100	29 4 1 0	71 43 27 17	38 8 2 1	62 29 14 6	47 16 5 2	53 21 7 2	43 13 4 1	57 25 13 6
140	16 1 0 0	84 63 47 36	26 3 0 0	74 45 28 16	32 6 1 0	68 37 19 10	32 7 1 0	68 39 22 15
180	8 0 0 0	92 78 67 58	18 1 0 0	82 59 44 32	23 3 0 0	77 48 28 16	25 3 0 0	75 48 32 22
220	5 0 0 0	95 84 76 68	13 0 0 0	87 69 54 41	19 1 0 0	81 56 38 24	18 1 0 0	82 58 42 32

TABLE A-197. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	22	2	0	0	15	1	0	0	35	6	2	1	7	0	0	0	51	15	6	2	3	0	0	0	62	25	12	4	1	0	0	0
50/120	8	0	0	0	18	2	0	0	16	1	0	0	12	1	0	0	29	3	1	0	6	0	0	0	41	9	3	1	3	0	0	0
50/180	4	0	0	0	20	3	0	0	8	0	0	0	13	2	0	0	18	2	0	0	6	0	0	0	26	3	0	0	4	0	0	0
150/60	0	0	0	0	71	38	19	10	10	1	0	0	42	11	4	3	32	5	1	0	17	2	0	0	47	12	3	0	8	0	0	0
150/120	0	0	0	0	88	69	53	39	5	0	0	0	61	29	14	7	17	1	0	0	26	6	1	0	30	5	1	0	15	1	0	0
150/180	0	0	0	0	94	82	73	64	2	0	0	0	68	41	27	19	9	0	0	0	30	6	1	0	20	2	0	0	21	2	1	0
250/60	0	0	0	0	71	38	19	10	0	0	0	0	58	21	8	3	1	0	0	0	43	11	3	1	26	4	0	0	16	1	0	0
250/120	0	0	0	0	88	69	53	39	0	0	0	0	82	55	36	24	1	0	0	0	67	35	19	10	16	1	0	0	30	6	1	0
250/180	0	0	0	0	94	82	73	64	0	0	0	0	92	77	62	51	1	0	0	0	78	50	32	21	11	0	0	0	42	12	4	2

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	54	18	6	3	1	0	0	0	43	13	4	2	0	0	0	0	29	5	1	1	0	0	0	0	27	5	3	1	0	0	0	0
50/120	27	4	1	0	2	0	0	0	17	2	0	0	0	0	0	0	7	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
50/180	14	1	0	0	2	0	0	0	6	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/60	45	13	3	1	7	1	0	0	40	12	3	2	6	0	0	0	27	4	0	0	7	0	0	0	24	3	1	0	11	0	0	0
150/120	22	3	0	0	13	1	0	0	17	1	0	0	9	0	0	0	7	0	0	0	9	0	0	0	6	0	0	0	13	0	0	0
150/180	12	1	0	0	16	2	0	0	6	0	0	0	9	0	0	0	2	0	0	0	9	0	0	0	1	0	0	0	13	1	0	0
250/60	33	6	1	1	18	3	0	0	31	6	2	1	18	2	0	0	23	3	0	0	21	2	0	0	17	2	0	0	30	7	1	0
250/120	16	1	0	0	29	7	1	0	13	1	0	0	26	3	0	0	6	0	0	0	26	3	0	0	4	0	0	0	38	9	2	0
250/180	9	0	0	0	36	10	1	0	5	0	0	0	29	4	1	0	1	0	0	0	27	4	0	0	1	0	0	0	39	11	3	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	30	3	1	0	6	0	0	0	33	6	2	1	8	0	0	0	28	5	1	0	17	2	0	0	20	1	0	0	21	3	0	0
50/120	9	0	0	0	7	0	0	0	13	0	0	0	11	1	0	0	11	1	0	0	23	4	0	0	10	0	0	0	27	5	1	0
50/180	3	0	0	0	7	0	0	0	5	0	0	0	12	2	0	0	7	0	0	0	26	5	0	0	4	0	0	0	30	6	2	1
150/60	21	2	0	0	23	4	1	0	21	2	0	0	29	8	4	2	0	0	0	0	60	26	9	4	0	0	0	0	69	35	19	11
150/120	6	0	0	0	31	7	2	0	7	0	0	0	39	16	9	7	0	0	0	0	83	60	41	28	0	0	0	0	85	64	49	38
150/180	1	0	0	0	33	8	0	0	2	0	0	0	43	20	14	10	0	0	0	0	91	75	61	49	0	0	0	0	93	82	72	64
250/60	5	0	0	0	56	26	13	6	0	0	0	0	62	29	16	8	0	0	0	0	60	26	9	4	0	0	0	0	69	35	19	11
250/120	1	0	0	0	75	53	40	31	0	0	0	0	85	63	48	36	0	0	0	0	83	60	42	29	0	0	0	0	85	64	49	38
250/180	0	0	0	0	81	65	56	50	0	0	0	0	95	85	77	68	0	0	0	0	91	76	62	49	0	0	0	0	93	82	72	64

TABLE A-198. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	47	14	4	1	7	0	0	0	56	25	13	7	3	0	0	0	66	32	18	9	2	0	0	0	76	44	26	15	0	0	0	0
50/120	30	5	1	0	13	1	0	0	37	7	1	1	6	0	0	0	44	10	2	0	3	0	0	0	54	19	7	2	1	0	0	0
50/180	21	1	0	0	15	1	0	0	23	3	1	0	8	1	0	0	31	6	1	0	5	0	0	0	40	9	2	1	2	0	0	0
150/60	0	0	0	0	38	7	1	0	16	3	0	0	23	4	1	1	41	10	3	1	9	1	0	0	56	21	9	4	3	0	0	0
150/120	0	0	0	0	61	29	15	8	10	1	0	0	39	10	3	1	26	2	0	0	18	2	0	0	39	9	2	0	9	0	0	0
150/180	0	0	0	0	72	41	24	12	6	1	0	0	51	18	7	3	17	1	0	0	23	6	1	0	29	3	1	0	13	1	0	0
250/60	0	0	0	0	38	7	1	0	0	0	0	0	33	7	2	1	2	0	0	0	27	4	1	0	32	5	1	0	9	0	0	0
250/120	0	0	0	0	61	29	15	8	0	0	0	0	56	21	7	2	1	0	0	0	50	18	7	3	21	2	0	0	19	2	0	0
250/180	0	0	0	0	72	41	24	12	0	0	0	0	72	40	20	11	1	0	0	0	64	35	21	12	15	0	0	0	29	6	2	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/60	65	31	14	6	1	0	0	0	54	22	8	2	0	0	0	0	42	9	3	1	0	0	0	0	40	12	5	3	0	0	0	0
50/120	45	13	5	2	1	0	0	0	32	8	1	1	0	0	0	0	15	2	0	0	0	0	0	0	14	1	0	0	0	0	0	0
50/180	25	4	1	0	2	0	0	0	16	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
150/60	53	21	6	2	3	0	0	0	50	18	6	2	5	0	0	0	39	8	1	1	7	0	0	0	35	9	3	1	8	0	0	0
150/120	36	10	2	1	8	0	0	0	30	7	1	1	7	0	0	0	14	2	0	0	8	0	0	0	13	0	0	0	12	0	0	0
150/180	20	3	0	0	13	1	0	0	15	1	0	0	8	0	0	0	5	0	0	0	9	0	0	0	5	0	0	0	13	0	0	0
250/60	38	8	2	1	11	1	0	0	38	9	3	1	14	1	0	0	33	5	1	0	18	1	0	0	24	4	1	0	24	4	1	0
250/120	25	4	1	0	19	3	0	0	22	4	1	1	20	2	0	0	11	1	0	0												

TABLE A-199. PROBABILITY(X), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	78	61	37	24	42	21	6	1	86	75	55	41	35	17	1	0	91	83	69	57	12	2	0	0	93	86	74	62	7	0	0	0
120	14	6	6	3	98	96	91	85	64	41	14	5	54	30	11	3	74	53	27	17	37	12	1	0	81	67	44	28	29	8	0	0
180	0	0	0	0	100	100	100	100	25	8	0	0	96	92	83	75	55	32	10	4	58	33	10	2	73	55	31	17	49	24	3	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	22	9	1	0	92	85	71	61	58	35	12	4	62	38	11	2
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	27	10	2	0	91	82	66	53

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	96	91	82	76	11	1	0	0	99	98	96	94	5	0	0	0	99	99	98	96	0	0	0	0	99	97	94	91	2	0	0	0
120	88	79	62	50	23	4	1	0	96	93	86	80	7	1	0	0	95	90	82	73	7	2	0	0	92	84	69	57	8	1	0	0
180	80	65	43	27	36	13	2	0	87	76	58	45	20	6	1	0	86	74	54	40	16	4	1	0	82	66	42	28	22	7	0	0
240	68	48	26	15	52	25	4	0	77	60	37	22	39	15	1	0	75	55	30	15	30	12	1	0	71	52	26	12	47	24	5	1
300	48	28	10	3	71	50	23	9	59	37	18	8	56	31	10	5	58	34	11	3	54	30	10	3	34	12	3	1	89	81	72	67

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	91	83	71	58	12	1	0	0	87	77	59	46	27	9	2	0	73	53	29	14	49	23	4	2	68	45	18	7	52	26	8	3
120	80	64	41	24	40	18	3	1	74	56	33	20	43	25	9	3	40	17	2	0	88	80	71	68	0	0	0	0	100	100	100	100
180	66	43	20	10	50	27	8	5	59	36	13	5	89	84	80	77	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	44	18	3	0	87	80	73	71	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-200. PROBABILITY(X), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	35	11	0	0	72	53	26	14	45	18	5	1	60	34	12	4	60	34	14	6	45	22	5	2	64	41	20	9	31	12	2	1
100	16	4	0	0	85	72	49	33	27	6	1	0	75	55	31	19	45	18	5	1	64	44	23	11	47	24	6	2	51	26	8	4
140	5	0	0	0	91	82	67	53	12	1	0	0	85	71	47	34	31	11	4	1	74	56	32	17	37	16	4	1	63	43	23	11
180	5	0	0	0	94	87	77	67	5	0	0	0	91	82	65	54	21	7	2	0	80	64	40	24	27	10	1	0	73	55	35	24
220	6	0	0	0	95	90	82	75	3	0	0	0	94	88	76	67	14	2	0	0	85	72	52	37	19	6	1	0	80	66	49	37

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	58	31	11	5	47	24	7	2	54	29	7	3	65	41	19	7	35	12	2	1	74	54	32	18	34	14	7	3	77	60	35	20
100	38	16	4	1	67	47	25	14	37	13	2	1	82	66	45	29	21	7	0	0	91	82	69	60	10	1	0	0	90	82	66	54
140	23	7	1	0	80	65	45	33	18	4	0	0	89	79	64	50	6	0	0	0	97	93	88	83	2	0	0	0	96	93	89	84
180	20	5	1	0	87	76	60	49	4	0	0	0	94	88	77	67	0	0	0	0	98	96	94	91	2	0	0	0	99	97	95	93
220	10	3	0	0	92	85	73	66	2	0	0	0	97	94	88	82	0	0	0	0	100	99	98	97	2	0	0	0	99	98	96	94

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	35	10	3	0	69	51	27	14	43	17	3	1	64	44	23	12	43	22	7	1	63	42	14	6	32	12	2	0	69	48	25	15
100	13	3	0	0	85	73	55	43	22	4	0	0	80	66	46	32	26	10	2	0	81	66	43	29	24	6	0	0	82	68	49	35
140	1	0	0	0	94	88	77	69	10	0	0	0	90	82	67	53	12	3	0	0	87	75	55	38	11	2	0	0	89	79	64	51
180	0	0	0	0	97	94	88	83	6	0	0	0	95	89	80	70	8	1	0	0	91	83	67	53	8	0	0	0	93	87	77	67
220	0	0	0	0	98	97	94	91	3	0	0	0	97	93	87	79	3	0	0	0	94	89	78	67	3	0	0	0	95	90	82	73

TABLE A-201. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	55	28	7	2	61	38	15	6	54	25	5	2	68	45	16	5	53	27	10	4	70	49	25	15	44	20	4	0	69	46	26	12
100	45	14	1	0	72	54	30	16	38	12	1	1	79	63	37	20	46	17	4	1	83	70	49	34	32	8	1	0	84	72	54	40
140	37	9	1	0	81	67	46	32	32	10	1	1	87	75	56	42	32	10	2	0	88	76	57	42	24	6	0	0	91	83	72	63
180	27	4	0	0	86	74	57	43	27	5	1	1	91	82	68	55	28	6	2	0	92	84	69	57	16	4	0	0	95	90	83	76
220	18	3	0	0	90	82	68	55	16	1	0	0	93	87	75	65	17	0	0	0	94	89	79	71	12	1	0	0	97	93	87	82
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	36	12	2	0	81	66	49	37	34	5	0	0	88	77	60	48	9	1	0	0	94	88	78	68	8	0	0	0	94	89	78	68
100	16	3	0	0	93	86	76	68	12	2	0	0	96	91	83	75	0	0	0	0	98	96	93	89	0	0	0	0	98	97	93	89
140	6	0	0	0	97	94	88	84	2	0	0	0	99	97	94	91	0	0	0	0	99	99	98	96	0	0	0	0	99	98	96	95
180	7	0	0	0	98	96	92	89	2	0	0	0	99	98	96	94	0	0	0	0	100	100	100	99	0	0	0	0	100	99	99	99
220	3	0	0	0	99	98	97	95	2	0	0	0	99	99	97	96	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	23	3	0	0	89	80	63	51	36	14	1	0	80	66	45	31	52	22	2	0	71	51	24	10	48	26	9	3	68	46	22	10
100	4	0	0	0	96	92	85	79	21	4	0	0	91	82	66	53	29	7	0	0	84	69	47	32	31	10	2	1	81	66	46	32
140	0	0	0	0	99	98	96	94	17	3	0	0	95	89	79	68	15	1	0	0	88	78	59	45	25	6	1	0	87	76	58	45
180	0	0	0	0	100	100	99	99	10	0	0	0	97	94	88	81	16	2	0	0	92	84	70	58	16	3	0	0	90	81	67	57
220	0	0	0	0	100	100	100	100	8	0	0	0	98	97	93	88	14	2	0	0	94	88	77	68	14	2	0	0	93	86	75	67

TABLE A-202. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	64	42	16	7	39	15	1	0	72	51	27	14	42	17	3	1	77	59	38	26	35	13	2	0	80	64	42	25	15	6	1	0
100	53	27	6	2	59	35	12	3	56	29	9	3	59	34	9	2	63	36	12	4	47	26	8	2	65	43	20	7	35	14	3	1
140	42	13	1	0	67	47	25	12	49	20	4	1	66	42	14	4	56	28	9	4	62	40	20	9	57	33	12	5	51	27	10	4
180	34	8	0	0	73	55	32	16	35	12	3	1	76	55	26	13	48	21	8	2	70	51	30	16	45	21	6	2	60	39	20	8
220	29	5	0	0	80	64	41	25	28	9	2	1	81	63	37	23	39	16	6	1	75	57	33	19	37	16	4	1	66	46	26	13
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	71	49	24	11	37	18	5	2	63	39	14	4	54	31	12	4	44	18	4	2	61	38	15	6	49	25	10	4	66	43	17	8
100	56	32	13	6	48	25	9	3	52	25	5	2	72	52	27	15	30	11	2	0	81	65	43	27	23	9	1	0	81	65	41	26
140	45	22	5	1	68	50	29	19	42	15	3	1	80	65	43	28	13	6	0	0	90	82	69	58	9	2	0	0	90	82	68	57
180	34	13	2	0	79	64	45	32	29	6	0	0	87	77	60	47	7	2	0	0	96	92	86	80	6	1	0	0	94	89	80	71
220	27	8	1	0	84	70	52	39	10	1	0	0	91	83	70	57	7	0	0	0	98	95	91	86	2	0	0	0	97	95	90	85
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	54	26	5	1	59	38	17	7	60	35	13	5	48	26	8	2	69	47	21	8	47	26	6	1	65	43	21	12	47	23	6	1
100	40	11	2	0	75	58	36	22	43	19	4	2	64	43	20	8	56	32	9	3	60	39	12	4	49	27	8	2	63	41	20	9
140	24	2	0	0	85	74	54	40	31	10	1	0	77	60	36	20	42	16	2	0	72	53	27	14	45	21	3	0	74	55	30	19
180	8	1	0	0	92	84	71	61	25	5	1	0	84	71	52	38	31	9	0	0	79	62	36	20	28	11	1	0	77	62	40	27
220	3	0	0	0	94	89	79	71	16	1	0	0	88	78	60	46	26	4	0	0	83	69	45	28	21	6	1	0	83	69	49	37

TABLE A-203. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	23	6	0	0	18	5	0	0	40	14	4	1	15	2	0	0	52	26	9	3	4	0	0	0	59	38	17	6	0	0	0	0
50/120	4	0	0	0	24	8	1	0	13	4	1	0	29	11	0	0	31	9	2	1	11	1	0	0	39	19	6	2	1	0	0	0
50/180	2	0	0	0	28	10	1	0	1	0	0	0	33	14	0	0	18	5	1	0	11	1	0	0	26	9	1	0	1	0	0	0
150/60	0	0	0	0	72	53	26	14	23	5	0	0	46	22	8	5	34	12	3	0	32	8	0	0	48	24	6	1	9	2	0	0
150/120	0	0	0	0	89	78	59	43	11	3	0	0	67	46	21	10	22	2	0	0	40	19	3	0	32	13	3	0	21	6	1	0
150/180	0	0	0	0	94	87	77	67	0	0	0	0	75	59	37	25	15	3	0	0	40	17	4	1	21	5	1	0	25	7	2	0
250/60	0	0	0	0	72	53	26	14	0	0	0	0	60	34	12	4	11	0	0	0	45	22	5	2	30	12	0	0	20	4	0	0
250/120	0	0	0	0	89	78	59	43	0	0	0	0	82	66	41	27	6	0	0	0	69	50	26	13	18	4	0	0	40	15	3	0
250/180	0	0	0	0	94	87	77	67	0	0	0	0	91	82	65	54	0	0	0	0	79	63	39	24	8	0	0	0	51	25	8	4

I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	56	29	9	4	0	0	0	0	54	28	6	3	0	0	0	0	35	12	2	1	0	0	0	0	34	14	7	3	0	0	0	0
50/120	28	10	2	0	3	0	0	0	28	7	0	0	0	0	0	0	12	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0
50/180	17	4	1	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
150/60	49	25	6	2	13	4	2	0	52	27	6	3	4	1	0	0	35	10	1	0	5	0	0	0	29	10	2	0	11	1	0	0
150/120	26	10	1	0	25	6	2	0	28	6	0	0	5	1	0	0	12	2	0	0	11	1	0	0	2	0	0	0	14	2	0	0
150/180	16	4	0	0	26	7	1	0	3	0	0	0	7	1	0	0	0	0	0	0	13	3	0	0	2	0	0	0	15	3	0	0
250/60	37	14	3	1	32	12	1	0	37	17	3	2	28	9	0	0	28	8	1	0	25	8	0	0	22	7	1	0	40	20	5	1
250/120	18	5	1	0	44	21	2	0	17	3	0	0	33	10	0	0	9	1	0	0	32	9	0	0	2	0	0	0	45	23	5	1
250/180	11	2	0	0	50	25	3	0	2	0	0	0	39	12	1	0	0	0	0	0	33	11	1	0	3	0	0	0	48	27	7	2

I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	33	10	2	0	6	0	0	0	40	15	3	1	11	3	0	0	37	17	1	0	24	7	1	0	19	4	1	0	30	11	1	0
50/120	6	1	0	0	9	0	0	0	10	2	0	0	19	5	1	0	19	6	0	0	35	13	1	0	7	1	0	0	35	16	3	0
50/180	0	0	0	0	9	0	0	0	6	0	0	0	24	7	1	0	7	1	0	0	38	15	1	0	4	0	0	0	40	17	4	1
150/60	23	5	1	0	33	15	2	0	27	6	1	0	41	20	11	5	0	0	0	0	63	41	14	6	0	0	0	69	48	25	15	
150/120	4	1	0	0	42	20	4	0	7	1	0	0	57	38	21	14	0	0	0	0	85	71	49	33	0	0	0	85	74	56	43	
150/180	0	0	0	0	44	22	4	0	3	0	0	0	61	43	27	19	0	0	0	0	91	82	66	52	0	0	0	93	87	77	67	
250/60	9	1	0	0	64	45	21	10	0	0	0	0	64	44	23	12	0	0	0	0	63	42	14	6	0	0	0	69	48	25	15	
250/120	0	0	0	0	83	70	53	41	0	0	0	0	86	74	55	42	0	0	0	0	85	72	50	34	0	0	0	85	74	56	43	
250/180	0	0	0	0	89	80	69	62	0	0	0	0	95	89	80	70	0	0	0	0	91	83	67	53	0	0	0	93	87	77	67	

TABLE A-204. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NORTH OMAHA, NEBRASKA

I / W	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	52	27	7	2	6	0	0	0	62	40	19	9	2	0	0	0	67	46	25	13	1	0	0	0	74	57	33	19	0	0	0	0
50/120	37	13	3	1	15	5	0	0	43	15	3	1	12	4	0	0	50	21	4	0	3	0	0	0	54	31	12	3	0	0	0	0
50/180	20	3	0	0	19	5	0	0	27	7	2	1	18	10	0	0	39	14	3	1	13	1	0	0	41	19	5	1	1	0	0	0
150/60	0	0	0	0	39	15	1	0	33	14	0	0	31	11	3	2	45	20	6	2	19	3	0	0	60	35	14	5	2	0	0	0
150/120	0	0	0	0	65	44	23	11	22	5	0	0	47	21	5	2	26	5	0	0	32	10	1	0	40	19	5	1	12	1	0	0
150/180	0	0	0	0	73	55	32	16	18	6	0	0	60	34	11	4	18	2	0	0	43	21	3	0	27	8	2	0	18	5	1	0
250/60	0	0	0	0	39	15	1	0	0	0	0	0	42	17	3	1	11	4	0	0	35	13	2	0	38	15	1	0	12	2	0	0
250/120	0	0	0	0	65	44	23	11	0	0	0	0	63	37	12	4	6	0	0	0	55	33	12	5	25	7	0	0	30	7	0	0
250/180	0	0	0	0	73	55	32	16	0	0	0	0	76	55	26	13	6	0	0	0	69	51	29	16	14	1	0	0	41	15	4	1

I / W	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
50/60	67	45	20	8	0	0	0	0	63	38	13	3	0	0	0	0	44	18	4	2	0	0	0	0	49	25	10	4	0	0	0	0
50/120	47	23	8	3	0	0	0	0	47	21	3	1	0	0	0	0	21	9	0	0	0	0	0	0	18	4	0	0	0	0	0	0
50/180	31	11	2	0	0	0	0	0	29	6	0	0	0	0	0	0	7	2	0	0	0	0	0	0	6	1	0	0	0	0	0	0
150/60	57	35	10	2	3	1	0	0	58	33	10	3	5	2	0	0	44	17	3	1	5	0	0	0	42	20	5	1	10	0	0	0
150/120	45	22	4	1	12	1	0	0	44	19	3	1	3	1	0	0	21	8	0	0	10	1	0	0	14	2	0	0	13	1	0	0
150/180	28	10	1	0	18	5	1	0	26	4	0	0	5	1	0	0	7	2	0	0	11	1										

TABLE A-205. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	68	35	20	12	32	4	1	0	84	63	46	33	16	1	0	0	93	80	71	62	7	0	0	0	95	85	76	70	5	0	0	0
120	0	0	0	0	100	100	97	92	46	19	8	3	54	22	8	3	73	45	27	18	27	4	1	0	81	60	45	34	19	3	0	0
180	0	0	0	0	100	100	100	100	0	0	0	0	100	98	94	90	46	16	6	3	54	20	9	4	67	38	22	13	33	8	2	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	4	0	0	0	96	88	81	74	45	17	7	3	55	23	8	3
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	7	1	0	0	93	82	73	63

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	99	96	94	92	1	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0
120	88	73	62	52	12	1	0	0	95	86	78	70	5	0	0	0	99	95	92	89	1	0	0	0	97	91	84	78	3	0	0	0
180	76	55	39	26	24	7	2	1	84	66	52	43	16	1	0	0	93	82	72	62	7	0	0	0	89	73	60	49	11	1	0	0
240	62	34	19	11	38	12	4	1	73	46	30	21	27	5	1	1	84	61	45	31	16	2	0	0	73	42	25	15	27	5	1	0
300	37	12	4	1	63	32	16	8	55	24	12	6	45	15	6	2	58	23	9	4	42	12	3	1	21	5	1	0	79	65	60	58

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
60	97	92	88	83	3	0	0	0	91	77	64	54	9	0	0	0	78	53	36	24	22	4	1	0	64	29	13	6	36	7	1	0
120	87	71	57	46	13	2	0	0	73	44	27	18	27	5	1	0	9	1	0	0	91	85	84	84	0	0	0	0	100	100	100	100
180	71	43	23	11	29	8	2	0	12	3	0	0	88	82	81	81	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	23	8	2	0	77	65	61	60	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-206. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	31	4	0	0	69	32	16	7	40	9	2	1	60	24	11	4	50	15	5	2	50	14	4	1	60	25	11	5	40	9	2	0
140	21	1	0	0	80	51	33	21	27	3	1	0	73	40	24	14	37	7	2	1	63	27	11	4	43	11	3	1	58	23	7	2
200	15	1	0	0	85	63	46	35	19	2	0	0	81	56	38	26	28	4	1	0	73	40	22	12	33	6	1	1	67	34	16	8
260	11	0	0	0	90	72	59	48	14	1	0	0	86	65	49	36	21	2	0	0	79	52	34	21	24	3	1	0	76	47	27	16
320	7	0	0	0	93	80	69	59	10	1	0	0	90	74	62	52	16	1	0	0	84	61	44	31	18	2	1	0	82	57	41	30

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	60	23	9	3	41	10	2	1	45	12	4	1	56	21	8	3	36	4	1	0	65	27	13	6	36	7	2	1	64	27	11	4
140	36	5	0	0	64	28	14	8	26	4	1	0	75	45	27	17	17	0	0	0	84	56	39	27	17	1	0	0	83	55	37	24
200	25	1	0	0	75	42	25	14	14	1	0	0	87	63	46	35	8	0	0	0	92	75	62	51	9	0	0	0	91	74	60	49
260	19	1	0	0	82	55	38	26	8	1	0	0	93	78	65	56	4	0	0	0	97	87	81	76	5	0	0	0	95	83	73	64
320	13	1	0	0	88	68	54	42	5	0	0	0	96	84	74	66	2	0	0	0	98	92	88	85	3	0	0	0	97	89	82	76

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	36	5	1	0	64	24	9	3	40	9	2	0	60	23	8	3	35	5	0	0	65	29	13	6	30	3	0	0	70	33	15	6
140	22	1	0	0	78	45	26	15	25	2	1	0	75	43	25	15	25	1	0	0	75	44	26	14	21	1	0	0	79	49	32	22
200	12	0	0	0	88	68	52	40	17	1	0	0	83	57	40	29	18	1	0	0	82	58	41	28	14	1	0	0	86	63	46	39
260	7	0	0	0	93	78	65	56	12	0	0	0	88	68	54	42	10	0	0	0	90	73	60	49	11	0	0	0	90	72	57	47
320	5	0	0	0	95	84	74	67	8	0	0	0	92	79	69	60	7	0	0	0	93	82	72	64	7	0	0	0	93	81	70	61

TABLE A-207. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	37	8	3	1	63	32	18	10	31	6	1	0	69	39	23	13	36	9	3	1	64	35	19	10	31	6	1	0	69	41	26	17
140	27	4	1	0	73	44	28	19	20	2	0	0	80	57	42	31	22	3	1	0	79	55	37	24	19	2	0	0	81	58	42	32
200	21	3	0	0	79	54	39	27	13	2	0	0	87	69	55	44	16	2	0	0	84	64	50	37	12	1	0	0	88	72	59	49
260	17	2	0	0	83	62	48	36	10	1	0	0	90	76	63	52	11	1	0	0	89	75	62	51	9	0	0	0	92	78	67	59
320	12	1	0	0	89	74	62	51	6	1	0	0	94	84	76	69	8	1	0	0	92	81	72	63	5	0	0	0	95	85	77	70
	MAY				JUNE				JULY				AUGUST																			
80	20	3	0	0	81	58	42	32	9	0	0	0	91	75	62	51	7	0	0	0	94	79	69	60	7	0	0	0	93	79	67	57
140	8	0	0	0	92	78	66	57	3	0	0	0	98	89	81	75	2	0	0	0	99	91	87	83	2	0	0	0	99	93	88	83
200	5	0	0	0	96	88	81	74	1	0	0	0	100	95	90	87	0	0	0	0	100	96	94	92	1	0	0	0	100	96	93	90
260	2	0	0	0	99	93	88	84	0	0	0	0	100	96	93	91	0	0	0	0	100	97	96	96	0	0	0	0	100	97	95	93
320	1	0	0	0	100	96	92	89	0	0	0	0	101	97	94	92	0	0	0	0	100	97	96	96	0	0	0	0	100	98	97	95
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	25	2	0	0	76	48	30	17	30	5	0	0	70	37	20	13	35	7	1	0	65	36	20	11	36	6	1	0	64	31	15	7
140	11	1	0	0	89	72	58	46	18	1	0	0	82	58	40	31	24	3	1	0	76	50	32	21	24	3	0	0	76	48	29	18
200	6	0	0	0	94	83	74	65	11	1	0	0	89	72	59	49	17	1	0	0	83	62	46	33	17	1	0	0	83	60	42	31
260	4	0	0	0	96	89	81	73	8	0	0	0	92	80	69	60	10	0	0	0	90	75	64	53	12	1	0	0	88	69	53	42
320	2	0	0	0	98	92	87	82	5	0	0	0	95	86	79	71	8	0	0	0	92	81	72	62	9	1	0	0	91	77	64	55

TABLE A-208. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	53	19	7	3	47	14	4	1	59	24	10	5	41	10	2	0	68	34	17	10	32	5	2	0	73	43	24	14	27	4	1	0
140	40	9	2	0	61	25	11	6	44	11	3	1	56	21	9	4	52	18	7	3	48	14	4	1	55	21	8	3	45	13	3	0
200	33	6	2	0	68	34	18	11	34	5	1	0	66	32	17	9	41	11	4	1	59	25	10	3	43	12	3	1	57	23	9	3
260	29	4	1	0	72	41	23	15	26	3	1	0	74	44	28	17	33	6	2	1	68	34	16	7	35	6	1	0	65	31	14	6
320	23	3	0	0	77	46	32	21	20	2	0	0	80	54	38	26	27	4	1	0	74	44	26	15	29	5	1	0	71	40	22	12
	MAY				JUNE				JULY				AUGUST																			
80	73	41	22	12	28	4	1	0	60	25	10	4	41	10	2	0	50	13	4	1	50	14	4	1	49	15	5	1	52	15	5	1
140	50	15	3	0	50	16	6	3	35	7	1	0	66	32	15	7	26	2	0	0	75	42	26	16	26	3	1	0	74	41	23	12
200	36	7	1	0	64	29	15	9	22	3	1	0	79	51	31	21	14	0	0	0	87	63	47	35	15	1	0	0	85	61	43	29
260	27	2	0	0	74	41	24	14	13	1	0	0	88	66	49	38	7	0	0	0	93	77	66	57	9	0	0	0	91	74	59	47
320	20	1	0	0	81	54	37	26	7	0	0	0	94	79	67	58	4	0	0	0	96	86	78	72	5	0	0	0	95	84	73	64
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	57	19	5	2	44	9	1	0	56	22	10	3	44	10	1	0	56	19	5	1	44	12	3	0	50	16	5	2	50	15	4	2
140	36	4	0	0	64	25	9	3	42	10	2	0	58	21	7	3	41	8	1	0	59	25	11	5	38	8	2	1	62	26	11	4
200	26	2	0	0	74	41	21	11	30	4	1	0	70	35	17	9	33	4	1	0	67	34	17	9	31	4	0	0	70	35	19	11
260	18	1	0	0	82	56	38	26	22	2	0	0	78	47	29	19	25	2	0	0	75	46	27	15	24	2	0	0	76	44	25	14
320	13	1	0	0	87	66	50	37	18	1	0	0	82	56	39	28	20	1	0	0	80	56	38	26	20	2	0	0	80	52	33	22

TABLE A-211. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	69	50	27	15	33	12	1	0	86	74	54	38	24	6	0	0	93	86	76	66	5	1	0	0	94	89	81	73	4	0	0	0
120	0	0	0	0	100	100	97	92	59	38	16	6	62	39	13	5	77	60	36	23	35	11	2	1	86	73	54	41	32	10	1	0
180	0	0	0	0	100	100	100	100	4	0	0	0	99	98	95	90	57	33	13	6	59	36	15	6	74	55	31	18	47	23	4	1
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	1	0	0	96	92	84	77	59	35	14	6	63	38	13	5
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	21	9	1	0	94	88	78	67

THRESHOLD	MAY				JUNE				JULY				AUGUST											
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH									
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS								
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7				
60	99	97	96	94	2	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0
120	91	82	69	58	27	7	1	0	95	90	82	74	6	0	0	0	98	97	94	90	2	0	0	0
180	84	71	51	34	47	24	4	1	87	77	60	49	22	5	0	0	94	88	76	66	12	1	0	0
240	71	52	29	15	55	31	9	2	78	61	38	26	34	14	3	1	85	72	52	36	22	8	1	0
300	50	29	8	3	70	49	23	11	63	41	19	10	53	31	10	3	63	39	14	6	50	27	6	2

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER															
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH													
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS												
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
60	97	95	90	85	10	1	0	0	92	84	70	58	14	3	0	0	82	67	45	29	34	14	3	0	67	45	20	9
120	89	80	64	51	25	8	0	0	76	58	35	22	37	15	2	0	29	9	1	0	96	94	93	92	0	0	0	0
180	78	59	31	15	43	22	5	1	39	18	2	0	95	93	92	92	0	0	0	0	100	100	100	100	0	0	0	0
240	53	28	7	1	90	84	79	78	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0

TABLE A-212. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	30	12	1	0	68	46	22	10	42	21	5	2	60	37	16	6	50	27	9	3	51	26	8	1	64	39	16	7	44	20	4	0
140	21	6	0	0	80	63	40	25	29	10	2	0	72	52	30	17	38	16	5	2	64	42	16	6	48	23	5	2	61	37	11	2
200	16	3	0	0	85	73	53	40	21	6	1	0	81	66	45	29	29	11	2	1	73	54	29	15	37	14	2	1	71	49	22	10
260	13	2	0	0	90	80	64	53	14	5	1	0	86	74	56	41	25	8	2	1	81	65	42	26	30	10	2	0	78	60	34	20
320	6	0	0	0	92	86	73	63	12	4	0	0	90	82	68	56	20	5	1	1	85	71	50	34	25	9	2	0	83	69	48	34

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	61	37	13	4	45	20	4	1	46	22	6	2	57	34	12	5	30	10	1	0	62	36	18	8	35	15	4	1	64	41	16	5
140	35	11	0	0	64	42	20	11	31	11	2	0	76	58	32	20	12	1	0	0	82	66	46	31	13	2	0	0	80	65	43	27
200	23	4	0	0	74	55	32	18	15	3	0	0	85	72	52	39	2	0	0	0	91	81	67	55	6	2	0	0	90	80	64	52
260	20	3	0	0	81	67	45	31	7	3	0	0	91	83	69	60	1	0	0	0	95	90	84	73	4	1	0	0	94	87	76	67
320	14	2	0	0	88	77	60	47	6	0	0	0	94	88	77	69	0	0	0	0	97	93	90	86	1	0	0	0	96	91	84	77

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	33	11	1	0	61	36	13	4	42	19	4	1	61	36	13	4	35	11	1	0	66	43	19	8	29	10	0	0	67	46	22	8
140	17	3	0	0	76	57	33	18	25	7	2	0	75	56	31	19	22	4	0	0	75	56	32	18	19	7	1	0	78	61	40	27
200	7	1	0	0	88	76	58	44	17	3	0	0	82	67	46	33	17	3	0	0	83	70	49	33	16	5	0	0	85	73	52	39
260	2	1	0	0	91	83	70	59	10	1	0	0	88	77	60	47	9	2	0	0	90	81	65	53	15	3	0	0	89	80	63	51
320	3	1	0	0	93	88	78	70	7	0	0	0	92	85	73	64	5	1	0	0	93	87	76	67	10	3	0	0	93	86	74	65

TABLE A-213. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

	JANUARY				FEBRUARY				MARCH				APRIL																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	45	19	5	1	68	47	25	14	42	15	3	1	73	55	32	18	49	23	6	2	72	53	27	15	45	17	1	0	76	57	34	22
140	37	13	3	1	76	57	36	23	37	7	1	0	83	69	50	37	34	13	2	1	83	69	46	29	29	9	0	0	83	69	49	37
200	33	9	1	0	82	67	47	32	28	7	2	0	89	79	62	49	28	9	2	0	87	76	58	43	23	6	0	0	89	80	65	54
260	28	8	0	0	85	73	55	42	20	5	0	0	92	83	68	57	22	5	1	0	91	83	69	57	17	3	0	0	92	85	73	63
320	23	5	0	0	91	82	68	56	15	6	0	0	95	89	80	72	23	4	1	0	94	88	78	68	13	3	0	0	94	90	81	74
	MAY				JUNE				JULY				AUGUST																			
80	29	9	1	0	84	70	51	36	16	4	0	0	91	83	67	56	3	1	0	0	92	84	73	64	16	3	0	0	92	84	71	60
140	10	1	0	0	92	84	72	61	3	0	0	0	96	92	83	76	2	0	0	0	97	93	89	85	5	0	0	0	98	95	89	84
200	10	1	0	0	95	91	84	77	0	0	0	0	98	95	91	87	0	0	0	0	98	96	94	93	0	0	0	0	98	96	93	90
260	3	0	0	0	97	95	90	85	0	0	0	0	98	96	93	91	0	0	0	0	99	97	96	96	0	0	0	0	99	98	95	93
320	4	0	0	0	98	96	93	89	0	0	0	0	98	97	94	93	0	0	0	0	99	97	96	96	0	0	0	0	99	98	97	95
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	34	7	1	0	78	61	37	21	38	14	1	0	72	51	27	17	47	18	3	1	72	52	28	16	46	17	2	1	68	46	21	10
140	19	2	0	0	89	80	64	50	22	4	0	0	83	69	47	36	37	10	1	0	81	64	41	26	36	9	1	0	79	63	37	23
200	15	3	0	0	94	89	79	66	18	3	0	0	90	80	64	53	27	4	0	0	86	74	53	38	26	7	0	0	85	72	49	36
260	6	1	0	0	96	92	84	76	13	1	0	0	93	86	73	63	18	2	0	0	92	84	71	58	21	6	0	0	89	78	60	47
320	5	0	0	0	97	95	89	83	9	0	0	0	95	90	82	74	11	0	0	0	94	88	77	66	18	4	0	0	92	84	70	59

TABLE A-214. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

	JANUARY				FEBRUARY				MARCH				APRIL																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	57	33	11	4	51	26	7	2	62	40	15	7	44	22	5	1	69	48	23	14	36	14	4	1	77	58	32	18	38	14	1	0
140	45	21	5	1	63	39	17	8	46	21	6	2	56	34	13	5	55	32	13	5	51	27	8	2	60	34	13	5	53	27	6	1
200	38	16	4	1	70	49	25	14	39	13	2	0	65	45	23	11	46	22	7	2	62	40	15	5	50	23	6	2	64	39	14	4
260	35	12	2	0	74	55	30	19	29	10	2	0	73	56	35	21	37	15	5	1	70	49	22	10	41	15	3	0	68	46	20	8
320	28	9	1	0	78	61	40	26	25	7	1	0	80	65	45	31	31	12	3	1	76	58	34	19	37	14	2	0	75	55	29	16
	MAY				JUNE				JULY				AUGUST																			
80	75	55	29	16	36	13	2	0	62	40	15	6	46	21	5	1	46	23	7	2	50	26	6	1	51	27	9	2	53	27	8	2
140	54	28	6	0	53	29	10	5	40	16	3	1	69	46	20	9	23	4	1	0	74	55	33	20	28	7	2	0	73	54	30	16
200	37	16	2	0	65	42	21	12	26	10	2	0	79	63	38	25	12	0	0	0	85	72	53	40	14	3	0	0	84	70	48	33
260	27	7	0	0	73	54	31	18	13	3	0	0	87	75	55	42	3	0	0	0	91	83	71	61	9	2	0	0	90	80	64	50
320	19	5	0	0	81	66	46	31	6	2	0	0	92	84	71	61	0	0	0	0	95	89	81	75	4	0	0	0	94	87	76	66
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
80	57	32	9	3	42	18	2	0	60	37	15	5	48	22	3	0	59	33	9	1	50	25	5	0	57	32	10	4	55	29	8	3
140	34	9	1	0	62	38	14	4	45	22	5	0	59	34	10	4	45	19	2	1	64	40	17	8	45	20	4	1	65	41	17	7
200	27	7	1	0	74	54	27	14	30	10	1	0	70	48	23	12	36	11	1	0	69	48	24	12	35	12	1	1	70	49	26	14
260	18	3	0	0	82	68	45	31	24	7	1	0	77	59	35	22	30	7	0	0	77	60	35	19	27	8	0	0	76	57	32	18
320	14	2	0	0	87	75	56	41	19	4	0	0	82	67	45	32	26	5	0	0	82	68	45	30	25	8	0	0	81	65	40	26

TABLE A-215. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

		JANUARY				FEBRUARY				MARCH				APRIL			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	19	4	0	0	18	3	0	0	35	13	2	0	15	5	0	0
50/200	:	11	1	0	0	20	5	0	0	15	4	0	0	16	5	0	0
50/300	:	4	0	0	0	20	5	0	0	8	1	0	0	16	5	0	0
150/100	:	0	0	0	0	72	51	27	15	19	5	2	0	61	37	16	6
150/200	:	0	0	0	0	85	73	53	40	5	4	0	0	76	58	35	22
150/300	:	0	0	0	0	91	83	70	58	0	0	0	0	80	66	46	33
250/100	:	0	0	0	0	72	51	27	15	0	0	0	0	66	45	22	10
250/200	:	0	0	0	0	85	73	53	40	0	0	0	0	81	66	45	29
250/300	:	0	0	0	0	91	83	70	58	0	0	0	0	88	79	64	51

		MAY				JUNE				JULY				AUGUST			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	53	26	5	0	0	0	0	0	40	18	4	1	0	0	0	0
50/200	:	23	4	0	0	0	0	0	0	15	3	0	0	0	0	0	0
50/300	:	16	2	0	0	0	0	0	0	7	1	0	0	0	0	0	0
150/100	:	44	18	3	0	14	4	0	0	37	18	4	1	8	1	0	0
150/200	:	17	1	0	0	33	12	0	0	12	2	0	0	23	6	0	0
150/300	:	9	1	0	0	38	16	1	0	4	0	0	0	2	0	0	0
250/100	:	29	9	0	0	27	9	0	0	32	12	2	1	25	9	1	0
250/200	:	12	1	0	0	41	20	5	0	12	2	0	0	32	12	2	1
250/300	:	7	1	0	0	49	25	7	1	2	0	0	0	34	14	2	1

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	21	4	0	0	2	0	0	0	31	10	2	0	1	0	0	0
50/200	:	7	1	0	0	6	1	0	0	12	2	0	0	2	0	0	0
50/300	:	2	1	0	0	6	1	0	0	4	0	0	0	4	0	0	0
150/100	:	14	3	0	0	17	6	0	0	17	2	0	0	49	27	8	2
150/200	:	4	0	0	0	25	9	2	1	2	0	0	0	62	45	30	21
150/300	:	1	0	0	0	28	11	3	0	1	0	0	0	66	51	39	31
250/100	:	6	1	0	0	63	39	16	6	0	0	0	0	66	42	17	6
250/200	:	0	0	0	0	83	70	51	38	0	0	0	0	82	67	46	33
250/300	:	0	0	0	0	88	80	69	61	0	0	0	0	91	82	68	58

TABLE A-216. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - RAPID CITY, SOUTH DAKOTA

		JANUARY				FEBRUARY				MARCH				APRIL			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	32	10	2	0	12	1	0	0	49	24	7	2	8	0	0	0
50/200	:	20	5	2	0	12	1	0	0	31	9	1	0	14	4	0	0
50/300	:	15	3	1	0	13	3	0	0	17	5	0	0	16	4	0	0
150/100	:	0	0	0	0	54	30	9	3	27	7	4	2	45	22	7	2
150/200	:	0	0	0	0	70	49	25	14	9	5	2	0	59	37	16	6
150/300	:	0	0	0	0	78	60	38	25	1	1	0	0	71	51	29	17
250/100	:	0	0	0	0	54	30	9	3	0	0	0	0	50	28	9	3
250/200	:	0	0	0	0	70	49	25	14	0	0	0	0	65	45	23	11
250/300	:	0	0	0	0	78	60	38	25	0	0	0	0	77	61	40	26

		MAY				JUNE				JULY				AUGUST			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	66	43	16	6	0	0	0	0	53	31	11	4	0	0	0	0
50/200	:	37	16	2	0	0	0	0	0	26	10	2	0	0	0	0	0
50/300	:	24	6	0	0	0	0	0	0	9	2	0	0	0	0	0	0
150/100	:	55	29	8	2	19	1	0	0	47	26	8	3	6	0	0	0
150/200	:	28	8	0	0	20	7	0	0	22	9	1	0	11	1	0	0
150/300	:	16	2	0	0	36	14	0	0	5	0	0	0	10	1	0	0
250/100	:	38	13	1	0	21	4	0	0	39	17	5	2	15	1	0	0
250/200	:	18	5	0	0	31	11	1	0	19	7	1	0	29	11	2	1
250/300	:	11	1	0	0	45	22	5	0	4	0	0	0	31	13	3	1

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH		.GE. THRESH : .LT. THRESH			
I / W		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS			
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	:	48	22	5	1	2	0	0	0	47	22	6	1	0	0	0	0
50/200	:	24	5	1	0	2	0	0	0	24	6	1	0	1	0	0	0
50/300	:	12	1	0	0	6	1	0	0	14	2	0	0	1	0	0	0
150/100	:	38	14	2	0	16	5	0	0	28	7	0	0	37	15	3	1
150/200	:	15	2	0	0	20	6	1	0	8	1	0	0	51	30	12	5
150/300	:	7	0	0	0	25	9	1	0	3	0	0	0	60	43	26	17
250/100	:	15	5	0	0	48	22	5	0	0	0	0	0	52	26	6	1
250/200	:	6	1	0	0	71	50	23	10	0	0	0	0	70	48	23	12
250/300	:	1	0	0	0	81	67	46	33	0	0	0	0	81	65	42	29

TABLE A-217. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	63 30 14 7	37 8 2 1	76 52 35 25	24 3 0 0	88 72 60 51	12 1 0 0	96 88 82 78	4 0 0 0
120	0 0 0 0	100 98 94 89	45 15 4 1	55 22 11 6	64 31 16 8	36 7 1 0	76 50 35 25	24 3 0 0
180	0 0 0 0	100 100 100 100	0 0 0 0	100 98 94 89	42 11 3 1	58 24 8 3	60 30 15 8	40 11 3 1
240	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	4 1 0 0	96 88 81 74	46 15 5 1	54 21 9 3
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	5 1 0 0	95 86 78 70
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	98 96 94 91	2 0 0 0	100 99 99 99	0 0 0 0	100 100 99 99	0 0 0 0	100 98 97 96	0 0 0 0
120	89 74 61 51	11 0 0 0	95 88 81 76	5 0 0 0	97 92 87 82	3 0 0 0	92 79 68 58	8 0 0 0
180	73 49 35 25	27 5 0 0	84 66 51 42	16 3 0 0	90 76 64 55	10 1 0 0	82 58 40 29	18 2 0 0
240	63 34 19 12	37 11 3 1	71 45 30 19	29 7 1 0	80 55 36 24	20 2 0 0	65 33 17 9	35 9 2 0
300	43 14 5 2	57 26 14 7	52 21 9 3	48 17 6 3	55 21 6 2	45 13 4 1	11 1 0 0	89 79 76 74
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	95 87 80 73	5 0 0 0	88 73 61 53	12 2 1 0	68 39 22 12	32 9 3 1	51 16 4 1	49 15 5 2
120	79 55 39 28	21 3 1 0	66 39 23 15	34 12 5 3	8 2 0 0	92 87 86 86	0 0 0 0	100 100 100 100
180	63 35 19 9	37 12 5 2	16 5 2 0	84 77 74 74	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
240	17 4 1 0	83 72 69 68	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100

TABLE A-218. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
80	28 4 0 0	72 41 24 14	33 5 1 0	67 32 17 9	52 17 6 3	49 15 6 3	64 32 17 8	36 8 3 1
140	15 1 0 0	85 64 49 37	17 1 0 0	83 58 40 27	32 6 1 0	68 37 23 15	45 12 3 1	55 22 10 5
200	8 0 0 0	92 79 68 59	9 0 0 0	91 76 63 52	19 1 0 0	82 59 42 31	28 5 1 0	72 43 29 19
260	5 0 0 0	95 87 79 71	4 0 0 0	96 87 79 71	12 1 0 0	88 70 56 43	20 2 0 0	80 56 41 31
320	3 0 0 0	97 91 86 81	2 0 0 0	98 93 88 83	8 0 0 0	92 80 69 60	12 1 0 0	88 70 58 48
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
80	59 23 8 3	41 9 2 1	47 15 5 2	53 22 11 6	32 6 1 0	68 40 26 18	32 7 2 0	68 36 20 13
140	36 6 1 0	64 33 19 12	22 3 0 0	78 54 37 27	12 1 0 0	88 73 64 56	11 1 1 0	89 73 58 49
200	23 3 0 0	77 52 36 26	11 1 0 0	89 75 66 59	4 0 0 0	96 91 86 81	3 0 0 0	97 91 85 80
260	14 0 0 0	86 67 54 46	5 1 0 0	95 88 81 75	1 0 0 0	99 96 93 91	1 0 0 0	99 96 94 92
320	8 0 0 0	92 79 70 63	3 0 0 0	97 92 87 83	0 0 0 0	100 99 98 97	1 0 0 0	99 98 96 95
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
80	36 7 2 1	64 33 17 9	37 9 1 0	63 31 16 9	35 4 0 0	65 30 15 7	26 2 0 0	74 44 27 18
140	15 1 0 0	85 66 54 44	15 1 0 0	85 64 49 38	17 1 0 0	83 61 44 32	14 1 0 0	86 65 51 41
200	6 0 0 0	94 85 78 72	8 0 0 0	92 78 67 56	10 0 0 0	90 76 63 52	7 0 0 0	93 81 72 64
260	2 0 0 0	98 93 89 85	5 0 0 0	95 87 79 71	6 0 0 0	94 84 75 68	3 0 0 0	97 92 87 82
320	1 0 0 0	99 96 94 93	3 0 0 0	97 91 85 79	3 0 0 0	97 92 87 82	2 0 0 0	98 94 91 87

TABLE A-219. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SIOUX FALLS, SOUTH DAKOTA

		JANUARY				FEBRUARY				MARCH				APRIL																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 38	13	4	1	: 62	34	19	11	: 35	8	2	2	: 65	34	20	12	: 36	10	3	0	: 64	35	19	11	: 37	9	3	1	: 63	35	20	11
140	: 19	3	1	0	: 81	59	43	32	: 20	2	0	0	: 80	58	44	33	: 16	2	0	0	: 85	66	50	39	: 18	2	0	0	: 82	61	47	37
200	: 11	1	0	0	: 89	74	63	52	: 11	0	0	0	: 89	72	59	48	: 9	1	0	0	: 91	79	68	59	: 10	1	0	0	: 90	77	67	60
260	: 6	0	0	0	: 94	83	75	68	: 5	0	0	0	: 95	86	78	71	: 6	0	0	0	: 95	87	80	73	: 5	0	0	0	: 95	87	80	75
320	: 5	0	0	0	: 95	88	83	78	: 3	0	0	0	: 97	92	86	81	: 4	0	0	0	: 96	91	85	79	: 3	0	0	0	: 97	92	89	85

		MAY				JUNE				JULY				AUGUST																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 18	2	0	0	: 82	63	50	41	: 11	1	0	0	: 89	76	65	55	: 5	1	0	0	: 95	89	84	80	: 6	0	0	0	: 94	84	76	69
140	: 5	0	0	0	: 95	87	81	75	: 2	0	0	0	: 98	96	92	89	: 1	0	0	0	: 99	97	96	95	: 1	0	0	0	: 99	96	94	91
200	: 1	0	0	0	: 99	96	95	93	: 0	0	0	0	: 100	99	99	98	: 0	0	0	0	: 100	99	99	98	: 0	0	0	0	: 100	99	99	98
260	: 0	0	0	0	: 100	99	99	99	: 0	0	0	0	: 100	100	99	99	: 0	0	0	0	: 100	100	100	100	: 0	0	0	0	: 100	100	99	99
320	: 0	0	0	0	: 100	100	100	100	: 0	0	0	0	: 100	100	100	100	: 0	0	0	0	: 100	100	100	100	: 0	0	0	0	: 100	100	100	100

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 11	1	0	0	: 89	74	61	51	: 25	4	0	0	: 75	49	32	22	: 34	6	1	0	: 66	34	16	8	: 34	8	2	0	: 66	40	23	14
140	: 2	0	0	0	: 98	94	89	85	: 9	0	0	0	: 91	77	66	56	: 16	1	0	0	: 84	64	47	34	: 16	2	0	0	: 84	63	50	40
200	: 0	0	0	0	: 100	99	98	96	: 4	0	0	0	: 96	88	82	75	: 9	0	0	0	: 91	78	66	57	: 9	0	0	0	: 91	78	68	59
260	: 0	0	0	0	: 100	100	100	100	: 2	0	0	0	: 98	94	91	87	: 6	0	0	0	: 94	86	78	71	: 5	0	0	0	: 95	87	81	75
320	: 0	0	0	0	: 100	100	100	100	: 1	0	0	0	: 99	96	93	89	: 5	0	0	0	: 95	89	82	77	: 3	0	0	0	: 97	92	87	83

TABLE A-220. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SIOUX FALLS, SOUTH DAKOTA

		JANUARY				FEBRUARY				MARCH				APRIL																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 59	29	15	9	: 41	13	5	3	: 61	29	14	7	: 39	10	4	1	: 70	40	24	15	: 31	7	2	1	: 77	51	35	24	: 23	4	1	0
140	: 39	12	4	1	: 61	31	17	10	: 41	11	3	1	: 59	27	14	9	: 51	17	6	2	: 49	17	7	4	: 60	27	13	6	: 40	12	6	3
200	: 26	4	0	0	: 74	47	31	22	: 28	4	1	0	: 72	42	26	16	: 38	9	2	0	: 63	31	16	9	: 46	14	5	2	: 54	21	11	6
260	: 19	2	0	0	: 61	58	42	32	: 19	1	0	0	: 81	57	40	29	: 26	3	0	0	: 75	47	32	23	: 35	8	2	1	: 65	35	21	13
320	: 13	1	0	0	: 87	69	56	46	: 13	0	0	0	: 87	68	52	40	: 19	2	0	0	: 81	59	42	31	: 26	4	1	1	: 74	47	31	21

		MAY				JUNE				JULY				AUGUST																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 68	35	17	9	: 32	6	1	0	: 59	26	12	6	: 41	12	5	3	: 43	14	6	3	: 57	27	14	9	: 46	16	5	2	: 54	22	11	7
140	: 50	16	5	2	: 50	20	10	5	: 33	8	1	0	: 67	38	22	14	: 20	3	0	0	: 80	61	50	42	: 23	5	1	0	: 77	52	36	27
200	: 34	6	1	0	: 66	37	22	13	: 19	3	0	0	: 81	61	46	37	: 10	1	0	0	: 90	79	71	65	: 10	1	1	0	: 90	76	64	55
260	: 23	3	0	0	: 77	54	40	31	: 12	1	0	0	: 88	74	63	55	: 4	0	0	0	: 96	90	85	81	: 5	0	0	0	: 95	88	81	75
320	: 17	1	0	0	: 83	64	51	43	: 6	1	0	0	: 94	86	79	72	: 2	0	0	0	: 98	94	90	88	: 2	0	0	0	: 98	93	89	85

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																		
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
		1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7															
80	: 52	20	9	5	: 48	17	5	2	: 58	27	13	7	: 42	12	4	1	: 62	27	11	5	: 38	8	2	0	: 55	21	9	5	: 45	14	5	2
140	: 30	5	1	0	: 70	42	26	16	: 36	8	1	1	: 64	32	17	10	: 39	8	1	0	: 61	27	11	4	: 35	7	1	0	: 65	34	19	11
200	: 16	1	0	0	: 84	65	51	41	: 22	3	0	0	: 78	52	36	25	: 26	2	0	0	: 74	45	25	14	: 23	3	0	0	: 77	51	36	25
260	: 7	1	0	0	: 93	83	74	66	: 13	1	0	0	: 87	67	54	43	: 18	1	0	0	: 82	59	41	27	: 17	1	0	0	: 83	62	47	36
320	: 4	0	0	0	: 96	89	84	79	: 9	0	0	0	: 91	77	66	56	: 13	1	0	0	: 87	70	54	43	: 11	1	0	0	: 89	75	65	56

TABLE A-223. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	68	46	22	12	45	20	5	1	81	66	43	30	31	10	0	0	89	81	67	57	12	3	0	0	96	92	85	81	5	1	0	0
120	0	0	0	0	100	98	94	89	55	32	7	2	59	37	17	8	69	47	22	11	43	15	2	0	80	65	45	31	35	11	1	0
180	0	0	0	0	100	100	100	100	0	0	0	0	99	98	94	89	52	25	6	2	64	40	13	5	68	47	23	12	48	23	6	2
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	23	10	0	0	96	92	85	77	54	31	10	2	59	36	14	4
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	24	9	1	0	95	90	81	73
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	99	97	95	92	2	0	0	0	100	99	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97	0	0	0	0
120	91	83	68	56	18	2	0	0	96	92	85	79	5	0	0	0	97	94	89	83	3	0	0	0	93	86	73	62	14	2	0	0
180	80	65	45	32	43	19	1	0	88	78	60	48	27	12	0	0	91	83	70	59	15	5	0	0	83	70	48	33	23	7	1	0
240	71	52	28	16	52	27	6	2	78	61	39	24	39	19	3	1	82	67	44	29	27	8	0	0	68	49	23	12	43	21	5	0
300	53	30	10	3	65	43	20	9	61	37	15	6	56	33	11	5	59	35	10	4	52	28	7	3	27	6	1	0	93	89	85	83
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	95	91	83	75	6	0	0	0	90	82	68	57	25	11	2	0	73	54	31	16	45	22	6	3	56	31	7	1	54	29	10	4
120	81	67	47	33	26	8	2	0	72	54	31	19	50	31	15	9	32	14	1	0	97	95	93	93	0	0	0	0	100	100	100	100
180	72	52	28	13	52	28	10	4	49	24	7	1	93	91	89	86	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	39	18	4	0	91	86	83	82	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-224. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	30	12	1	0	72	54	31	16	37	12	2	1	68	45	22	12	51	26	9	4	48	26	9	4	66	45	23	10	36	16	5	2
140	17	3	0	0	85	74	55	42	21	4	0	0	83	69	46	31	36	14	1	0	69	50	30	18	49	23	5	2	59	36	15	7
200	8	1	0	0	92	85	73	62	11	0	0	0	91	83	68	55	27	6	0	0	84	70	50	36	31	12	2	0	74	57	36	23
260	5	1	0	0	95	91	82	74	4	1	0	0	95	91	82	74	20	4	0	0	89	79	62	48	25	5	0	0	81	67	49	36
320	3	0	0	0	97	94	89	83	2	0	0	0	98	95	90	84	11	1	0	0	93	86	74	63	15	3	0	0	88	78	63	52
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	60	37	12	5	42	19	5	1	47	26	8	2	54	34	16	9	30	12	2	0	70	52	31	21	37	18	4	1	71	49	24	16
140	44	15	2	0	67	48	27	16	27	9	1	0	81	66	44	31	19	5	0	0	90	82	70	62	16	4	2	1	90	80	63	52
200	31	9	1	0	80	66	45	31	11	2	0	0	90	83	71	63	8	0	0	0	97	94	89	83	1	0	0	0	97	94	88	82
260	15	1	0	0	87	77	61	51	11	3	0	0	96	93	85	78	4	0	0	0	99	97	94	92	0	0	0	0	99	98	95	92
320	6	1	0	0	92	86	75	67	7	2	0	0	97	95	90	85	0	0	0	0	100	99	98	97	0	0	0	0	99	98	97	96
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	40	17	3	1	69	49	24	12	46	21	2	0	67	46	23	13	35	10	1	0	66	45	22	10	25	5	0	0	74	57	34	21
140	17	5	1	0	87	76	61	49	20	4	0	0	86	74	57	44	20	4	0	0	85	72	51	36	17	2	0	0	86	74	58	45
200	7	0	0	0	94	89	82	75	9	0	0	0	92	85	72	60	12	2	0	0	91	83	68	56	8	1	0	0	93	87	76	67
260	1	0	0	0	97	95	91	87	4	0	0	0	95	91	83	74	8	1	0	0	94	89	79	71	3	0	0	0	97	95	90	84
320	1	0	0	0	99	97	95	93	2	0	0	0	97	93	87	81	4	0	0	0	97	94	89	84	2	0	0	0	98	96	93	89

TABLE A-225. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WLEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	53	27	8	2	71	52	28	16	45	19	4	3	69	49	26	15	50	24	6	1	71	51	26	15	50	21	6	2	72	53	29	15
140	31	9	1	0	84	71	51	36	32	8	0	0	84	70	50	37	30	9	0	0	88	77	58	45	26	7	0	0	85	73	55	42
200	17	3	0	0	90	82	69	57	22	1	0	0	90	81	65	52	25	6	0	0	93	86	74	64	22	3	0	0	92	85	73	65
260	11	1	0	0	94	89	80	71	14	0	0	0	95	91	82	74	18	2	0	0	96	92	84	77	11	1	0	0	95	91	84	78
320	10	1	0	0	96	92	86	81	7	0	0	0	97	94	89	83	12	2	0	0	97	94	88	82	8	0	0	0	97	95	91	87

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	29	9	1	0	87	76	58	47	18	4	0	0	92	84	71	59	8	3	0	0	96	92	87	83	12	0	0	0	94	89	80	72
140	4	1	0	0	96	92	84	78	1	0	0	0	98	97	94	90	1	0	0	0	99	98	97	95	0	0	0	0	99	97	95	92
200	3	0	0	0	99	98	96	95	0	0	0	0	100	100	99	98	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98
260	0	0	0	0	100	100	99	99	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99
320	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	19	3	0	0	90	82	67	55	36	11	1	0	79	63	40	26	41	15	3	0	70	50	23	11	48	21	4	1	75	58	33	20
140	1	0	0	0	98	95	91	86	16	2	0	0	92	84	71	60	25	5	0	0	87	75	54	38	26	6	1	0	86	74	57	46
200	0	0	0	0	100	99	98	97	8	2	0	0	96	92	85	78	16	2	0	0	92	85	71	61	17	1	0	0	92	85	73	63
260	0	0	0	0	100	100	100	100	5	0	0	0	98	96	93	88	15	2	0	0	95	91	81	74	9	0	0	0	96	91	85	78
320	0	0	0	0	100	100	100	100	1	0	0	0	99	97	94	90	11	2	0	0	96	93	85	79	4	0	0	0	97	94	89	84

TABLE A-226. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	67	45	20	10	47	26	9	4	65	44	20	10	45	21	6	2	73	53	30	19	35	15	4	2	78	63	41	28	26	11	3	1
140	49	25	7	2	66	46	24	14	50	22	5	2	64	41	19	11	55	29	10	3	51	29	11	5	64	40	18	8	45	24	9	4
200	35	11	1	0	76	60	39	27	36	13	1	0	74	55	32	19	42	19	4	1	65	44	21	11	51	26	8	3	57	36	16	8
260	23	7	0	0	83	69	49	36	29	6	1	0	83	68	47	33	32	11	1	0	77	60	40	28	43	16	4	2	70	51	30	17
320	13	4	0	0	87	77	62	50	18	2	0	0	88	76	58	44	29	10	0	0	84	71	50	37	33	10	2	1	77	61	40	26

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	70	49	22	12	37	15	2	0	62	40	18	9	44	23	9	4	46	22	9	4	62	40	18	11	53	30	9	3	57	33	15	9
140	56	29	8	2	56	35	16	8	42	19	3	0	72	53	29	18	26	8	0	0	84	73	58	47	29	13	3	1	79	63	41	30
200	40	16	3	0	70	52	30	17	25	9	1	0	85	73	53	42	16	3	0	0	92	86	76	70	18	6	3	0	91	83	69	59
260	33	6	1	0	81	68	49	37	17	5	0	0	90	82	69	59	10	2	0	0	97	93	88	84	5	0	0	0	96	92	84	77
320	25	4	0	0	86	76	60	50	13	3	0	0	95	91	84	76	9	1	0	0	98	96	92	89	1	0	0	0	98	95	91	87

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	59	35	16	9	56	33	10	3	64	43	19	10	48	23	7	2	66	42	16	7	44	17	4	0	59	35	15	8	50	27	8	3
140	36	14	1	0	75	58	35	20	44	17	3	1	67	47	24	13	43	16	2	0	62	42	16	6	41	16	2	1	69	50	27	16
200	22	3	0	0	85	75	59	45	28	10	0	0	80	65	43	30	27	7	0	0	76	59	32	18	30	9	0	0	80	65	45	31
260	10	3	0	0	94	88	79	69	20	4	0	0	88	76	60	47	21	4	0	0	84	71	47	31	20	3	0	0	84	73	55	42
320	5	0	0	0	96	93	87	81	17	3	0	0	92	84	72	60	18	4	0	0	89	79	61	47	19	3	0	0	90	83	71	61

TABLE A-227. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	10	2	0	0	26	10	2	1	24	5	0	0	12	1	0	0	38	15	3	1
50/200	1	0	0	0	35	13	2	0	8	1	0	0	17	3	0	0	19	3	0	0
50/300	0	0	0	0	38	15	3	1	2	0	0	0	19	4	0	0	8	1	0	0
150/100	0	0	0	0	78	62	40	25	4	0	0	0	64	42	19	8	21	6	0	0
150/200	0	0	0	0	92	85	73	62	0	0	0	0	78	64	45	32	9	1	0	0
150/300	0	0	0	0	97	93	87	80	0	0	0	0	83	73	59	48	6	1	0	0
250/100	0	0	0	0	78	62	40	25	0	0	0	0	46	19	4	1	10	0	0	0
250/200	0	0	0	0	92	85	73	62	0	0	0	0	54	32	16	9	26	8	2	0
250/300	0	0	0	0	97	93	87	80	0	0	0	0	83	69	48	35	8	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	52	25	6	2	0	0	0	0	39	17	3	0	0	0	0	0
50/200	31	9	1	0	0	0	0	0	11	2	0	0	0	0	0	0
50/300	12	1	0	0	0	0	0	0	8	2	0	0	0	0	0	0
150/100	39	14	3	1	12	5	1	0	38	16	2	0	14	3	0	0
150/200	20	6	1	0	20	6	1	0	9	2	0	0	22	5	0	0
150/300	5	1	0	0	24	7	0	0	8	2	0	0	22	5	0	0
250/100	30	9	2	1	24	8	1	0	32	12	1	0	29	11	1	0
250/200	15	3	0	0	41	15	1	0	7	1	0	0	36	17	3	1
250/300	5	1	0	0	48	22	3	0	8	1	0	0	36	17	3	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	31	13	1	0	4	0	0	0	33	11	1	0	5	1	0	0
50/200	7	0	0	0	4	0	0	0	10	2	0	0	12	4	1	0
50/300	1	0	0	0	4	0	0	0	2	0	0	0	12	4	1	0
150/100	23	9	0	0	30	13	3	0	17	3	0	0	59	37	21	13
150/200	5	0	0	0	37	16	5	2	4	0	0	0	69	53	40	33
150/300	0	0	0	0	37	16	5	2	2	0	0	0	70	57	46	40
250/100	2	0	0	0	74	55	33	19	0	0	0	0	74	57	35	21
250/200	0	0	0	0	91	85	76	69	0	0	0	0	92	85	72	60
250/300	0	0	0	0	95	91	87	84	0	0	0	0	96	92	85	78

TABLE A-228. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SIOUX FALLS, SOUTH DAKOTA

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	42	19	4	1	16	6	1	1	48	24	6	3	5	1	0	0
50/200	15	3	0	0	25	8	2	1	27	9	1	0	10	1	0	0
50/300	4	1	0	0	28	10	2	0	12	1	0	0	14	2	0	0
150/100	0	0	0	0	55	33	13	7	13	3	0	0	42	18	5	3
150/200	0	0	0	0	76	60	39	27	7	0	0	0	65	44	22	11
150/300	0	0	0	0	86	75	58	45	5	0	0	0	75	58	37	24
250/100	0	0	0	0	55	33	13	7	0	0	0	0	52	27	10	5
250/200	0	0	0	0	76	60	39	27	0	0	0	0	74	55	32	19
250/300	0	0	0	0	86	75	58	45	0	0	0	0	86	73	54	39

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	64	41	15	7	0	0	0	0	53	27	8	2	0	0	0	0
50/200	40	16	3	0	0	0	0	0	25	9	1	0	0	0	0	0
50/300	28	5	0	0	0	0	0	0	12	3	0	0	0	0	0	0
150/100	49	24	5	1	6	3	0	0	51	25	6	2	9	3	0	0
150/200	25	7	2	0	17	4	1	0	22	8	1	0	23	5	0	0
150/300	17	2	0	0	20	6	1	0	10	3	0	0	22	5	0	0
250/100	39	16	3	1	15	6	1	0	37	16	3	1	26	9	0	0
250/200	22	5	0	0	33	11	1	0	18	5	0	0	36	17	3	0
250/300	11	1	0	0	44	18	2	0	7	1	0	0	36	17	3	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	49	24	8	5	2	0	0	0	53	29	7	2	2	0	0	0
50/200	22	3	0	0	4	0	0	0	24	7	0	0	4	1	0	0
50/300	5	0	0	0	4	0	0	0	16	2	0	0	11	2	0	0
150/100	36	12	2	1	26	9	1	0	29	8	1	0	42	21	9	6
150/200	12	3	0	0	30	13	4	1	13	3	0	0	60	41	23	13
150/300	4	0	0	0	38	16	5	2	8	0	0	0	68	53	39	30
250/100	2	0	0	0	64	43	20	10	0	0	0	0	54	32	13	6
250/200	2	0	0	0	83	71	54	41	0	0	0	0	80	65	43	30
250/300	0	0	0	0	92	85	77	70	0	0	0	0	91	82	68	57

TABLE A-229. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	61 28 12 5	39 10 3 1	75 49 34 23	25 4 0 0	89 71 58 48	11 0 0 0	96 88 82 78	4 0 0 0
120	10 1 0 0	90 78 68 60	53 22 10 4	47 14 4 1	61 28 12 6	39 9 3 1	75 46 30 20	25 2 0 0
180	0 0 0 0	100 100 100 100	0 0 0 0	91 77 67 59	40 9 1 0	60 26 9 3	59 25 11 6	41 8 1 0
240	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	6 0 0 0	94 84 74 65	41 11 3 1	59 22 7 2
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	7 2 1 0	93 83 72 62
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	99 96 93 90	1 0 0 0	100 99 99 99	0 0 0 0	100 100 100 100	0 0 0 0	99 97 94 92	1 0 0 0
120	87 69 55 43	13 1 0 0	95 89 84 78	5 0 0 0	96 89 82 75	4 0 0 0	92 79 67 57	8 0 0 0
180	74 47 31 21	26 5 1 0	86 71 58 47	14 2 0 0	87 67 50 38	13 1 0 0	81 57 41 29	19 2 0 0
240	59 30 16 8	41 13 5 1	72 46 28 17	28 7 2 1	73 42 24 14	27 5 1 1	62 30 15 7	38 8 2 0
300	38 12 3 1	62 31 15 7	51 22 10 3	49 21 10 5	47 15 4 1	53 23 12 6	8 1 0 0	92 84 79 76
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	96 91 84 77	4 0 0 0	88 69 54 43	12 2 0 0	66 36 19 9	34 9 3 1	49 19 7 3	51 19 9 4
120	82 59 44 32	18 2 0 0	68 40 22 14	32 10 4 1	25 6 2 0	75 58 51 47	0 0 0 0	100 100 100 100
180	65 35 20 11	35 9 2 1	27 10 3 1	73 61 57 55	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
240	21 6 2 0	79 66 61 59	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100
300	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100	0 0 0 0	100 100 100 100

TABLE A-230. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
60	41 10 2 1	59 25 14 6	50 15 5 2	50 15 7 4	57 22 8 2	43 10 3 0	61 23 8 3	39 8 3 1
140	21 2 0 0	79 54 41 31	28 3 0 0	72 38 21 12	33 6 1 0	67 34 18 9	38 9 2 0	62 30 17 10
200	10 0 0 0	90 73 62 52	14 1 0 0	86 66 49 36	21 2 0 0	79 52 36 25	24 3 1 0	76 51 36 26
260	5 0 0 0	95 83 74 66	7 0 0 0	93 81 70 60	13 0 0 0	87 67 52 40	15 1 0 0	85 65 50 40
320	3 0 0 0	97 89 82 76	4 0 0 0	96 88 80 72	8 0 0 0	92 76 62 52	8 0 0 0	92 80 70 61
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
80	45 13 4 2	56 24 12 8	33 6 1 0	67 34 19 12	16 0 0 0	85 62 46 35	9 0 0 0	91 73 59 48
140	23 4 1 0	77 53 38 29	13 0 0 0	87 67 53 41	5 0 0 0	96 87 79 74	1 0 0 0	99 93 88 83
200	14 1 0 0	86 70 58 50	5 0 0 0	95 86 78 70	1 0 0 0	100 96 93 91	0 0 0 0	100 97 94 91
260	7 0 0 0	93 82 74 67	2 0 0 0	98 94 89 85	0 0 0 0	101 99 97 95	0 0 0 0	100 97 94 92
320	4 0 0 0	96 88 83 78	1 0 0 0	99 97 94 92	0 0 0 0	101 99 97 95	0 0 0 0	100 97 95 93
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
80	19 1 0 0	82 53 35 23	32 5 1 0	68 36 20 12	42 11 2 1	58 23 9 4	40 10 3 1	60 25 10 4
140	5 0 0 0	95 84 75 66	13 0 0 0	87 68 54 44	22 3 0 0	78 50 32 21	21 1 0 0	79 53 36 26
200	2 0 0 0	99 94 89 84	6 0 0 0	94 84 74 66	12 1 0 0	88 71 56 43	10 0 0 0	90 73 60 52
260	1 0 0 0	100 97 94 91	2 0 0 0	98 91 85 80	7 0 0 0	93 81 70 59	5 0 0 0	95 87 80 76
320	0 0 0 0	100 99 98 97	1 0 0 0	99 96 93 89	4 0 0 0	96 88 80 73	2 0 0 0	98 93 88 86

TABLE A-231. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	53	21	7	2	47	18	8	4	49	16	6	2	51	18	6	3	56	23	9	4	44	17	7	3	41	11	1	0	59	27	12	5
140	31	6	1	0	69	41	26	16	26	4	1	0	74	47	29	20	32	7	2	1	68	40	22	12	19	2	0	0	81	60	46	37
200	17	1	0	0	83	60	45	34	12	1	0	0	88	71	59	49	19	0	0	0	81	57	39	27	10	0	0	0	90	77	69	62
260	9	0	0	0	91	76	65	55	8	0	0	0	92	80	70	62	11	0	0	0	89	71	56	45	5	0	0	0	95	87	81	76
320	5	0	0	0	95	84	76	68	5	0	0	0	96	88	82	77	7	0	0	0	93	82	72	63	2	0	0	0	98	93	89	85
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	21	4	1	0	80	59	46	37	4	0	0	0	96	91	85	80	1	0	0	0	100	96	93	90	1	0	0	0	99	93	88	82
140	8	1	0	0	92	83	76	69	1	0	0	0	99	97	95	93	0	0	0	0	101	99	97	95	0	0	0	0	100	97	95	92
200	2	0	0	0	98	94	91	88	0	0	0	0	100	98	97	95	0	0	0	0	101	99	97	96	0	0	0	0	100	97	95	92
260	1	0	0	0	100	98	97	96	0	0	0	0	100	99	98	96	0	0	0	0	101	99	97	96	0	0	0	0	100	97	95	93
320	0	0	0	0	100	99	98	97	0	0	0	0	100	99	98	96	0	0	0	0	101	99	97	96	0	0	0	0	100	97	95	93
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	7	0	0	0	93	82	71	61	18	3	1	0	82	61	45	32	43	16	6	2	57	29	13	6	51	19	7	3	49	18	6	1
140	2	0	0	0	99	95	91	87	7	0	0	0	93	82	72	65	22	3	0	0	78	56	37	24	31	8	1	0	69	41	24	14
200	0	0	0	0	100	98	97	95	3	0	0	0	97	90	85	79	11	0	0	0	89	73	59	48	18	2	0	0	82	61	46	35
260	0	0	0	0	100	99	97	96	1	0	0	0	99	96	93	89	8	0	0	0	92	81	69	59	9	1	0	0	91	79	69	62
320	0	0	0	0	100	99	97	96	0	0	0	0	100	98	97	95	5	0	0	0	95	87	79	71	5	0	0	0	95	88	82	75

TABLE A-232. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	74	46	30	19	26	4	1	0	76	51	35	24	24	4	1	1	79	55	37	24	21	3	1	0	79	51	31	18	21	3	1	0
140	54	22	7	3	46	15	6	3	57	21	8	3	44	12	5	3	62	29	13	7	38	10	2	0	61	25	10	4	39	10	4	1
200	40	10	2	0	60	29	16	10	44	12	3	1	56	22	9	5	49	18	6	2	51	20	9	4	45	13	3	1	55	25	14	6
260	29	5	0	0	71	41	27	19	30	5	1	0	70	39	23	13	38	10	3	1	62	32	15	6	33	6	1	0	67	38	24	15
320	20	1	0	0	80	55	41	31	19	1	0	0	81	56	37	25	28	3	1	0	72	42	24	12	24	3	0	0	76	52	38	29
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	61	30	17	10	39	13	5	3	44	15	4	1	56	26	14	8	24	3	0	0	77	51	35	25	20	2	0	0	80	55	37	24
140	41	11	4	2	60	30	18	12	22	4	1	0	78	56	41	31	8	0	0	0	93	80	70	62	5	0	0	0	95	83	72	62
200	25	5	1	0	75	50	35	27	11	0	0	0	89	72	60	50	3	0	0	0	98	91	85	81	1	0	0	0	99	94	88	85
260	17	3	0	0	83	65	51	43	5	0	0	0	95	86	79	72	1	0	0	0	100	96	93	91	0	0	0	0	100	96	93	89
320	11	2	0	0	89	75	64	55	3	0	0	0	97	93	88	84	0	0	0	0	101	98	96	95	0	0	0	0	100	97	94	91
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
80	36	8	1	0	65	32	17	8	51	20	8	4	49	18	7	3	69	38	19	10	31	5	1	0	71	41	25	16	29	5	1	0
140	16	1	0	0	85	61	44	31	30	6	1	1	70	41	25	15	48	16	4	1	52	21	8	3	53	18	6	2	47	15	4	0
200	6	1	0	0	94	84	74	64	18	2	0	0	82	61	46	36	35	8	2	0	65	35	18	9	38	9	2	0	62	30	15	7
260	4	0	0	0	97	90	82	75	10	0	0	0	90	74	62	53	25	3	0	0	75	47	28	18	28	4	0	0	72	44	29	19
320	2	0	0	0	99	94	90	86	6	0	0	0	94	83	74	66	18	2	0	0	82	60	44	31	21	2	0	0	79	55	40	31

TABLE A-233. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	22	1	0	0	23	4	1	0	35	5	1	0	45	13	4	1
50/200	6	0	0	0	31	7	2	0	12	1	0	0	20	2	0	0
50/300	3	0	0	0	32	8	2	0	4	0	0	0	9	0	0	0
150/100	0	0	0	0	67	36	23	15	14	1	0	0	38	9	3	1
150/200	0	0	0	0	90	73	62	52	4	0	0	0	57	27	14	7
150/300	0	0	0	0	96	86	77	70	2	0	0	0	63	32	18	10
250/100	0	0	0	0	67	36	23	15	0	0	0	0	59	22	9	5
250/200	0	0	0	0	90	73	62	52	0	0	0	0	86	66	49	36
250/300	0	0	0	0	96	86	77	70	0	0	0	0	95	86	78	69

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	36	8	2	0	0	0	0	0	25	3	0	0	10	0	0	0
50/200	14	1	0	0	0	0	0	0	5	0	0	0	1	0	0	0
50/300	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
150/100	29	6	1	0	13	1	0	0	22	3	0	0	9	0	0	0
150/200	12	1	0	0	17	2	0	0	5	0	0	0	1	0	0	0
150/300	4	0	0	0	18	3	0	0	1	0	0	0	0	0	0	0
250/100	20	2	0	0	27	5	1	0	16	1	0	0	7	0	0	0
250/200	7	0	0	0	37	12	4	1	3	0	0	0	28	6	1	0
250/300	3	0	0	0	41	14	4	1	1	0	0	0	30	8	2	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	13	1	0	0	2	0	0	0	21	1	0	0	6	0	0	0
50/200	2	0	0	0	2	0	0	0	5	0	0	0	7	0	0	0
50/300	0	0	0	0	2	0	0	0	1	0	0	0	7	0	0	0
150/100	9	0	0	0	20	2	0	0	11	0	0	0	32	9	2	1
150/200	1	0	0	0	24	3	1	0	2	0	0	0	40	15	7	4
150/300	0	0	0	0	24	4	1	0	0	0	0	0	42	17	8	6
250/100	1	0	0	0	77	52	36	26	0	0	0	0	78	49	33	22
250/200	0	0	0	0	87	75	67	61	0	0	0	0	94	84	74	66
250/300	0	0	0	0	69	80	75	72	0	0	0	0	99	94	90	86

TABLE A-234. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	44	13	5	1	11	1	0	0	57	25	11	6	5	0	0	0
50/200	26	3	0	0	20	3	1	0	35	6	1	0	9	0	0	0
50/300	13	0	0	0	25	5	1	0	18	1	0	0	13	0	0	0
150/100	0	0	0	0	33	8	2	1	22	4	1	0	19	3	1	0
150/200	0	0	0	0	60	29	16	10	15	1	0	0	37	9	3	2
150/300	0	0	0	0	79	51	36	26	8	0	0	0	51	20	8	3
250/100	0	0	0	0	33	8	2	1	0	0	0	0	31	6	2	1
250/200	0	0	0	0	60	29	16	10	0	0	0	0	56	22	9	5
250/300	0	0	0	0	78	51	36	26	0	0	0	0	77	50	31	19

THRESHOLD	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	53	20	9	5	0	0	0	0	34	7	1	0	0	16	1	0
50/200	25	5	1	0	0	0	0	0	11	0	0	0	0	3	0	0
50/300	13	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/100	42	12	4	2	8	0	0	0	29	5	1	0	0	14	0	0
150/200	21	3	0	0	14	2	0	0	9	0	0	0	0	3	0	0
150/300	11	1	0	0	17	2	0	0	2	0	0	0	0	0	0	0
250/100	28	4	0	0	18	2	0	0	21	2	0	0	0	10	0	0
250/200	13	1	0	0	32	8	2	0	5	0	0	0	0	2	0	0
250/300	7	0	0	0	38	12	4	1	1	0	0	0	0	32	5	1

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	26	3	0	0	1	0	0	0	41	10	4	2	3	0	0	0
50/200	6	0	0	0	2	0	0	0	15	1	0	0	5	0	0	0
50/300	2	0	0	0	2	0	0	0	6	0	0	0	7	0	0	0
150/100	17	1	0	0	15	1	0	0	23	3	0	0	21	3	1	0
150/200	3	0	0	0	22	2	0	0	7	0	0	0	33	9	3	2
150/300	1	0	0	0	24	3	0	0	2	0	0	0	38	13	5	3
250/100	2	0	0	0	65	33	18	9	0	0	0	0	55	24	10	6
250/200	0	0	0	0	83	66	54	45	0	0	0	0	82	61	46	36
250/300	0	0	0	0	87	74	66	60	0	0	0	0	93	81	71	62

TABLE A-235. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	67	45	20	9	47	22	6	1	79	64	44	30	32	13	1	0	89	80	65	53	13	1	0	0	96	92	86	80	3	0	0	0
120	31	9	0	0	93	86	75	65	62	41	18	7	55	28	8	2	66	45	19	9	47	21	5	2	78	60	38	25	28	8	0	0
180	0	0	0	0	100	100	100	100	32	13	5	0	92	85	74	65	47	21	3	0	64	41	15	5	64	41	19	10	44	17	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	11	2	0	0	95	89	79	69	49	24	7	3	62	37	11	3
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	24	15	4	0	94	89	77	66
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	99	97	95	91	0	0	0	0	100	99	99	99	0	0	0	0	100	100	100	100	0	0	0	0	99	98	95	92	0	0	0	0
120	88	79	62	49	18	7	0	0	97	94	87	82	10	3	0	0	96	92	84	77	2	1	0	0	92	85	72	60	6	0	0	0
180	77	62	40	26	37	14	1	0	90	81	66	53	21	9	1	0	87	76	57	43	18	5	0	0	83	70	49	35	30	8	0	0
240	67	48	25	11	53	30	10	2	79	63	38	23	41	20	4	1	76	56	30	17	37	17	2	1	68	47	23	11	48	21	5	1
300	51	27	7	2	70	50	24	10	64	42	18	6	60	40	17	8	54	29	7	2	64	42	21	11	19	4	0	0	95	91	85	82
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	97	94	87	79	5	0	0	0	89	78	60	47	19	5	1	0	74	54	27	12	46	23	7	2	59	36	12	4	58	34	14	7
120	84	71	51	37	25	6	0	0	75	55	30	18	46	27	9	3	45	19	4	1	85	77	69	63	0	0	0	0	100	100	100	100
180	72	51	28	15	47	24	6	2	55	31	9	3	89	83	78	76	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	45	20	5	1	89	83	77	75	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-236. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	47	23	4	1	60	39	20	11	52	28	9	4	50	26	11	6	60	36	12	4	44	20	5	1	62	36	12	4	43	19	5	1
140	32	8	1	0	80	67	49	37	30	9	0	0	72	51	26	14	42	16	2	0	69	49	26	12	44	21	3	1	68	46	26	14
200	10	0	0	0	90	80	67	56	17	2	0	0	87	75	55	40	26	6	1	0	80	64	43	29	33	10	1	1	81	65	45	31
260	1	1	0	0	94	88	77	69	6	0	0	0	93	87	74	63	16	1	0	0	87	76	58	45	21	3	0	0	87	75	58	46
320	0	0	0	0	96	92	85	76	1	0	0	0	96	92	83	75	7	1	0	0	91	82	67	55	11	0	0	0	93	86	75	65
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
60	52	27	8	3	63	41	18	11	40	16	2	1	69	49	27	16	16	2	0	0	84	72	53	40	12	0	0	0	90	80	64	52
140	35	14	2	0	82	68	47	35	16	2	0	0	87	76	59	46	5	0	0	0	95	90	82	76	0	0	0	0	97	94	89	83
200	30	8	0	0	90	81	66	57	5	0	0	0	95	90	81	73	0	0	0	0	98	96	94	91	0	0	0	0	98	97	94	91
260	13	2	0	0	94	88	79	72	3	0	0	0	98	96	91	87	0	0	0	0	99	98	96	95	0	0	0	0	98	97	94	92
320	3	1	0	0	96	92	86	81	3	0	0	0	99	98	95	92	0	0	0	0	99	98	96	95	0	0	0	0	99	97	95	93
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																
80	20	4	0	0	80	65	41	27	35	12	1	1	71	51	27	16	48	23	4	1	61	38	15	6	43	20	6	2	61	38	15	6
140	5	2	0	0	94	89	78	68	14	3	0	0	87	77	60	49	28	9	0	0	80	63	40	26	24	4	1	0	80	66	44	31
200	0	0	0	0	98	95	90	85	6	0	0	0	94	88	78	69	18	3	0	0	89	80	63	49	8	1	0	0	90	80	66	56
260	0	0	0	0	99	97	94	91	4	0	0	0	97	93	87	81	10	0	0	0	93	87	75	63	2	0	0	0	95	91	83	78
320	0	0	0	0	99	99	98	96	0	0	0	0	99	97	94	90	4	0	0	0	96	92	84	75	1	0	0	0	97	95	90	87

TABLE A-237. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	63	38	12	5	54	33	13	6	55	28	9	3	57	31	9	4	67	40	13	6	56	34	12	4	48	23	3	1	66	43	18	7
140	45	17	2	0	74	57	36	22	38	11	1	0	78	60	36	23	49	19	4	1	76	58	31	15	33	9	0	0	85	72	55	42
200	21	5	1	0	84	71	52	39	17	5	0	0	89	79	65	53	28	2	0	0	84	70	46	31	19	3	0	0	92	85	74	67
260	10	1	0	0	91	83	70	59	14	0	0	0	93	86	74	65	13	1	0	0	90	80	63	49	10	1	0	0	95	91	84	79
320	6	0	0	0	95	89	80	71	4	0	0	0	95	91	85	80	14	1	0	0	94	88	76	66	3	0	0	0	97	95	91	86

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	38	14	3	1	66	73	56	45	6	1	0	0	97	94	88	82	0	0	0	0	98	96	93	90	0	0	0	0	97	94	89	83
140	21	6	1	0	94	90	81	74	0	0	0	0	99	98	95	93	0	0	0	0	99	98	96	94	0	0	0	0	99	97	95	92
200	2	0	0	0	98	96	93	90	0	0	0	0	99	98	97	96	0	0	0	0	99	98	97	95	0	0	0	0	99	97	95	92
260	0	0	0	0	99	99	97	96	0	0	0	0	99	99	98	96	0	0	0	0	99	98	97	95	0	0	0	0	99	97	95	93
320	0	0	0	0	99	99	98	97	0	0	0	0	99	99	98	96	0	0	0	0	99	98	97	95	0	0	0	0	99	97	95	93

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	16	1	0	0	94	87	76	64	36	11	1	0	85	73	52	37	59	34	11	5	69	48	21	9	58	33	11	4	57	34	10	2
140	3	0	0	0	98	96	92	87	14	1	0	0	93	87	76	67	38	11	1	0	84	70	47	30	42	18	2	0	74	53	32	19
200	0	0	0	0	99	98	97	95	3	0	0	0	97	93	87	81	20	3	0	0	90	81	66	52	26	7	0	0	85	72	53	40
260	0	0	0	0	99	99	97	96	0	0	0	0	99	97	94	90	16	2	0	0	93	87	74	63	16	3	0	0	92	85	74	66
320	0	0	0	0	99	99	97	96	0	0	0	0	99	98	97	95	14	2	0	0	96	92	83	74	9	0	0	0	96	92	85	78

TABLE A-238. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	77	60	38	24	31	12	1	0	78	63	42	28	26	9	3	1	83	67	44	29	30	11	1	0	81	63	38	21	28	10	2	0
140	61	39	13	4	49	28	10	4	60	34	13	5	46	23	7	3	69	45	19	9	46	23	5	0	64	39	14	6	46	22	7	2
200	49	23	4	0	64	45	24	14	49	24	5	2	59	35	13	7	60	35	11	4	58	37	16	6	55	27	4	1	64	42	21	9
260	40	15	1	0	74	56	36	24	40	13	2	0	72	52	29	17	52	24	7	2	69	49	23	9	42	15	2	1	73	54	33	20
320	25	4	0	0	88	77	60	49	25	5	0	0	82	67	43	29	38	12	3	0	75	56	31	16	33	10	1	0	81	66	48	35

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	68	46	24	14	50	29	11	6	56	30	8	2	65	44	22	13	34	10	1	0	80	64	44	30	32	7	1	0	82	67	45	29
140	52	24	7	3	69	47	27	19	35	11	1	0	82	69	49	36	11	1	0	0	92	86	74	66	8	0	0	0	94	87	76	65
200	38	15	2	0	81	65	45	34	18	1	0	0	89	81	67	54	1	0	0	0	96	93	87	83	0	0	0	0	97	95	89	83
260	34	12	2	0	88	77	60	49	5	1	0	0	95	91	82	74	0	0	0	0	98	96	93	91	0	0	0	0	98	96	93	89
320	28	9	2	0	92	85	71	61	4	0	0	0	98	95	90	85	0	0	0	0	99	98	96	94	0	0	0	0	98	97	94	91

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	46	19	2	0	67	47	23	11	60	36	14	7	59	36	12	6	73	52	26	13	34	14	2	0	74	55	33	20	37	15	1	0
140	20	6	0	0	84	70	50	35	42	15	2	1	74	56	33	20	58	32	9	2	60	38	14	5	53	29	8	3	49	28	8	1
200	9	3	0	0	94	88	78	66	28	10	1	0	85	72	53	41	46	21	3	1	72	53	26	13	44	18	3	1	65	45	21	10
260	4	1	0	0	96	92	84	77	14	1	0	0	90	81	68	57	35	10	0	0	79	62	37	23	33	11	0	0	75	58	36	24
320	0	0	0	0	98	96	91	87	10	1	0	0	94	88	77	69	27	7	0	0	85	72	52	37	28	9	1	0	82	68	47	36

TABLE A-239. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WFEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	26	4	0	0	31	12	3	0	35	13	1	0	8	0	0	0
50/200	3	0	0	0	41	19	4	0	15	3	0	0	49	26	8	2
50/300	0	0	0	0	43	20	5	0	1	0	0	0	3	0	0	0
150/100	0	0	0	0	69	52	32	21	25	6	0	0	24	6	1	0
150/200	0	0	0	0	90	80	67	56	13	0	0	0	5	0	0	0
150/300	0	0	0	0	95	89	80	72	2	0	0	0	29	9	1	0
250/100	0	0	0	0	69	52	32	21	0	0	0	0	33	13	2	0
250/200	0	0	0	0	90	80	67	56	0	0	0	0	12	1	0	0
250/300	0	0	0	0	95	89	80	72	0	0	0	0	33	13	2	0

TABLE A-240. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WFEK - SPRINGFIELD, ILLINOIS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	50	26	9	3	14	5	1	0	61	40	17	8	2	0	0	0
50/200	29	8	1	0	26	10	2	0	37	15	2	1	12	0	0	0
50/300	12	0	0	0	34	15	3	0	23	4	1	0	14	2	0	0
150/100	0	0	0	0	39	20	4	1	36	16	5	1	25	8	2	1
150/200	0	0	0	0	64	45	24	14	26	6	0	0	45	20	6	3
150/300	0	0	0	0	79	63	45	32	17	1	0	0	58	37	14	5
250/100	0	0	0	0	39	20	4	1	0	0	0	0	33	13	4	2
250/200	0	0	0	0	64	45	24	14	0	0	0	0	59	35	13	7
250/300	0	0	0	0	79	63	45	32	0	0	0	0	79	62	37	23

TABLE A-241. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	67 37 20 12	33 9 3 1	79 56 40 29	21 1 0 0	91 77 65 56	9 0 0 0	97 92 89 86	3 0 0 0
120	31 6 2 1	69 37 21 12	54 22 7 2	46 15 4 0	66 36 21 14	34 8 3 1	81 57 42 31	19 1 0 0
180	0 0 0 0	100100100100	16 3 0 0	84 64 50 40	48 16 6 2	52 18 7 3	63 30 15 8	37 7 1 0
240	0 0 0 0	100100100100	0 0 0 0	100100100100	14 2 0 0	86 67 55 46	47 15 5 2	53 17 5 2
300	0 0 0 0	100100100100	0 0 0 0	100100100100	0 0 0 0	100100100100	10 2 0 0	90 74 61 51
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	99 97 96 94	1 0 0 0	100 99 98 96	0 0 0 0	100 99 98 98	0 0 0 0	100 99 99 98	0 0 0 0
120	88 72 59 49	12 1 0 0	95 89 83 78	5 0 0 0	95 87 80 73	5 0 0 0	93 83 73 63	7 0 0 0
180	74 48 30 20	26 4 1 0	85 67 54 46	15 2 0 0	86 68 55 45	14 1 0 0	85 64 48 35	15 2 0 0
240	60 27 12 6	40 11 2 0	72 45 30 22	28 5 2 0	72 44 28 18	28 4 1 0	68 37 20 9	32 7 2 1
300	38 11 4 1	62 32 16 7	50 19 7 3	50 19 7 2	48 17 7 3	52 21 9 3	12 2 0 0	88 78 73 71
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	96 91 85 76	4 0 0 0	91 73 59 48	9 0 0 0	72 45 29 17	28 6 2 0	61 28 13 7	39 10 3 1
120	82 59 45 34	18 3 1 0	72 44 26 16	28 6 2 0	47 17 7 3	53 23 11 5	3 0 0 0	97 93 89 84
180	67 38 23 14	33 8 2 1	40 18 9 5	60 41 34 33	0 0 0 0	100100100100	0 0 0 0	100100100100
240	28 11 4 1	72 56 49 45	0 0 0 0	100100100100	0 0 0 0	100100100100	0 0 0 0	100100100100
300	0 0 0 0	100100100100	0 0 0 0	100100100100	0 0 0 0	100100100100	0 0 0 0	100100100100

TABLE A-242. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY		FEBRUARY		MARCH		APRIL	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	43 11 3 0	57 25 13 7	50 16 6 3	50 16 5 1	66 31 15 8	34 6 1 0	64 29 12 4	36 8 3 1
100	24 2 0 0	76 47 30 19	29 4 1 0	71 41 25 16	46 13 3 1	54 20 9 3	46 13 3 1	54 23 11 6
140	14 0 0 0	86 65 49 37	17 2 0 0	84 61 45 35	32 5 1 0	68 35 20 10	29 4 0 0	71 44 29 21
180	8 0 0 0	92 78 66 55	10 0 0 0	90 75 62 52	22 2 0 0	78 50 34 24	20 2 0 0	80 57 42 32
220	4 0 0 0	96 87 79 71	7 0 0 0	94 82 72 63	15 1 0 0	85 64 48 38	13 0 0 0	87 71 58 48
THRESHOLD	MAY		JUNE		JULY		AUGUST	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	47 14 5 2	54 23 13 9	40 11 4 1	60 31 19 12	20 4 1 0	80 59 47 37	19 3 1 0	81 59 46 36
100	27 5 1 0	74 49 35 27	18 4 1 0	82 62 48 38	7 1 0 0	93 84 77 72	6 1 0 0	94 85 76 68
140	15 2 0 0	84 66 55 47	10 1 0 0	91 78 69 61	2 0 0 0	98 95 93 92	1 0 0 0	99 95 92 89
180	10 1 0 0	91 79 71 65	5 0 0 0	96 89 83 78	1 0 0 0	99 98 97 95	0 0 0 0	100 98 97 95
220	6 0 0 0	95 86 80 74	3 0 0 0	97 93 90 87	0 0 0 0	100 98 98 97	0 0 0 0	100 99 98 97
THRESHOLD	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH	.GE. THRESH	.LT. THRESH
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
60	27 6 1 0	73 49 34 21	35 8 1 0	65 33 17 8	42 11 3 1	58 26 13 6	41 8 2 1	59 24 11 5
100	13 1 0 0	88 71 60 50	17 1 0 0	83 59 42 29	21 2 0 0	79 54 39 27	21 2 0 0	79 53 37 27
140	5 0 0 0	95 88 81 75	7 0 0 0	93 77 65 54	12 0 0 0	88 70 56 45	10 0 0 0	90 73 60 51
180	3 0 0 0	97 93 89 85	3 0 0 0	97 87 78 69	7 0 0 0	93 82 72 63	4 0 0 0	96 86 78 72
220	2 0 0 0	99 96 93 90	2 0 0 0	98 90 83 77	3 0 0 0	97 90 83 77	2 0 0 0	98 93 89 85

TABLE A-243. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	48	17	5	2	52	22	9	5	48	14	4	1	52	19	7	3	49	17	5	1
100	31	5	0	0	69	39	23	14	30	5	1	0	71	43	26	17	26	3	0	0
140	18	1	0	0	82	59	44	33	17	2	0	0	83	63	48	38	16	1	0	0
180	10	0	0	0	90	74	62	51	11	1	0	0	89	74	62	53	9	0	0	0
220	5	0	0	0	95	85	76	67	5	0	0	0	95	86	78	70	5	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	18	3	1	0	83	64	53	45	5	1	0	0	95	88	80	74	3	0	0	0
100	7	0	0	0	93	84	76	70	1	0	0	0	99	97	96	94	0	0	0	0
140	2	0	0	0	98	95	92	89	0	0	0	0	100	98	97	96	0	0	0	0
180	1	0	0	0	100	98	97	96	0	0	0	0	100	100	99	99	0	0	0	0
220	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99	0	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	10	1	0	0	91	78	67	57	22	6	2	1	78	56	41	29	38	12	4	3
100	2	0	0	0	98	93	89	85	10	1	0	0	90	74	61	50	21	3	0	0
140	1	0	0	0	100	98	97	96	4	0	0	0	96	84	74	65	10	1	0	0
180	0	0	0	0	100	100	99	98	1	0	0	0	99	93	87	81	5	0	0	0
220	0	0	0	0	100	100	99	98	1	0	0	0	99	94	89	84	3	0	0	0

TABLE A-244. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	74	43	26	16	26	3	0	0	76	46	30	19	24	3	0	0	81	56	37	25
100	55	21	7	2	45	15	6	3	59	21	8	2	41	10	1	0	67	34	17	8
140	40	9	2	0	60	28	16	9	45	12	4	1	55	21	8	4	53	20	6	2
180	30	5	1	0	70	41	26	17	34	7	2	0	67	36	20	12	43	10	2	0
220	24	2	0	0	77	51	34	24	25	4	1	0	75	49	31	21	35	6	1	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	62	31	15	8	38	12	5	2	50	20	9	4	50	20	10	5	34	9	3	1
100	43	14	5	2	58	30	19	13	29	8	2	1	71	47	32	23	15	2	1	0
140	29	7	1	0	72	49	36	28	16	3	1	0	85	67	55	47	6	1	0	0
180	19	4	1	0	81	63	51	43	9	1	0	0	91	79	69	62	3	0	0	0
220	13	2	0	0	87	73	63	56	5	0	0	0	96	89	83	78	1	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	44	18	8	4	56	28	14	6	55	24	12	7	45	15	5	1	66	34	18	10
100	26	6	2	0	74	51	36	25	36	10	2	0	64	34	18	10	47	18	6	3
140	14	2	0	0	86	68	56	44	22	3	0	0	78	52	35	23	33	9	2	1
180	7	1	0	0	93	83	74	65	15	2	0	0	85	63	46	33	25	3	0	0
220	4	0	0	0	96	90	84	79	10	1	0	0	90	73	59	47	18	2	0	0

TABLE A-247. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	73	53	28	17	44	24	6	1	83	69	49	35	30	6	0	0	92	84	71	61	8	1	0	0	97	95	91	88	5	0	0	0
120	38	16	4	2	72	51	27	15	64	39	12	3	55	31	8	1	72	53	30	18	42	19	5	2	83	69	50	37	26	6	0	0
180	0	0	0	0	100	100	100	100	36	14	2	0	86	76	60	47	54	31	11	4	57	33	12	4	68	45	22	12	43	15	1	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	26	11	0	0	82	77	63	53	53	29	10	4	56	30	8	3
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	26	10	2	0	91	82	67	56
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	99	98	96	94	0	0	0	0	100	99	98	97	0	0	0	0	100	99	99	99	0	0	0	0	100	99	99	98	0	0	0	0
120	90	81	65	54	21	3	0	0	96	93	87	81	7	1	0	0	96	91	83	75	6	1	0	0	94	86	77	67	12	4	0	0
180	78	62	39	25	37	14	2	0	88	78	61	52	28	7	1	0	68	78	62	50	17	5	1	0	86	74	55	40	25	7	1	0
240	65	43	19	10	48	25	5	1	77	60	39	28	37	14	4	1	76	58	36	23	36	14	2	0	72	53	27	12	39	17	6	2
300	52	26	10	3	70	51	25	10	59	35	12	5	58	34	12	4	57	31	12	5	61	38	15	5	26	9	1	0	93	87	82	60
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	97	94	88	80	6	1	0	0	90	80	63	52	13	1	0	0	77	60	37	22	37	16	4	1	66	45	20	11	50	23	6	1
120	84	71	53	39	27	11	3	1	76	58	33	20	39	17	6	1	57	33	13	5	64	40	18	9	11	3	0	0	98	97	92	87
180	73	54	31	18	42	19	5	2	62	42	19	10	81	69	58	56	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	49	28	9	3	85	77	68	63	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-248. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	47	24	6	1	61	41	19	10	53	30	12	5	51	28	7	1	69	47	21	12	37	16	3	0	67	43	18	6	44	21	6	2
100	28	8	0	0	77	61	38	23	34	11	2	0	73	55	33	20	54	27	6	1	58	35	14	6	51	24	6	1	61	40	19	10
140	17	1	0	0	66	75	56	42	23	6	1	0	85	71	52	39	39	13	2	0	69	50	27	14	37	10	1	0	76	60	39	27
180	4	0	0	0	92	84	70	58	11	2	0	0	90	81	67	56	26	7	0	0	79	63	41	28	24	5	0	0	83	70	52	38
220	0	0	0	0	95	90	82	74	7	1	0	0	93	87	75	66	17	3	0	0	85	73	55	43	19	2	0	0	89	80	66	54
THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	52	27	8	4	60	38	20	12	48	24	9	2	66	48	27	17	27	11	3	1	84	72	56	42	26	9	2	0	82	69	52	42
100	35	15	4	0	79	63	44	33	30	14	4	0	85	74	56	43	10	4	0	0	94	89	82	75	7	2	0	0	95	90	80	71
140	25	6	1	0	87	76	62	53	26	7	0	0	92	86	75	66	3	1	0	0	99	97	95	93	0	0	0	0	98	97	93	89
180	19	3	1	0	92	86	77	70	11	3	0	0	96	93	86	81	0	0	0	0	99	98	97	96	0	0	0	0	99	98	97	96
220	9	2	1	0	95	91	84	77	10	2	0	0	97	95	92	89	0	0	0	0	99	99	99	97	0	0	0	0	100	99	98	97
THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60	38	15	4	0	77	62	42	25	44	20	4	1	70	47	23	11	47	21	4	2	61	41	20	9	41	17	3	1	59	38	16	8
100	15	4	0	0	89	79	65	53	24	4	0	0	83	69	49	33	28	7	0	0	80	66	45	31	26	6	1	0	80	66	45	32
140	8	2	0	0	95	91	84	77	10	1	0	0	91	83	69	56	13	1	0	0	88	79	62	49	8	0	0	0	89	80	65	55
180	3	1	0	0	97	95	91	86	3	1	0	0	95	89	80	71	8	2	0	0	94	88	76	66	2	0	0	0	94	89	81	75
220	2	0	0	0	98	97	94	91	3	0	0	0	96	92	85	78	2	0	0	0	96	93	85	79	2	0	0	0	97	95	91	87

TABLE A-249. PROBABILITY(I), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

	JANUARY				FEBRUARY				MARCH				APRIL																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	57	32	9	3	59	38	15	7	54	26	8	2	59	34	12	5	59	33	9	2	60	38	16	6	54	25	5	1	71	52	33	22
100 :	43	15	1	0	74	55	31	16	40	15	3	0	76	59	34	21	36	10	0	0	78	60	37	23	26	7	1	0	83	69	53	42
140 :	28	5	0	0	84	71	51	38	29	8	1	0	86	75	56	43	27	3	0	0	87	75	56	43	15	3	0	0	93	88	78	70
180 :	15	0	0	0	91	82	67	55	19	3	0	0	91	82	69	58	22	1	0	0	93	86	73	63	6	0	0	0	96	93	88	83
220 :	5	0	0	0	95	89	80	70	10	0	0	0	95	90	82	73	13	0	0	0	96	91	83	76	6	0	0	0	98	97	93	91

	MAY				JUNE				JULY				AUGUST																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	29	10	2	0	87	76	62	52	14	4	0	0	95	92	84	77	4	0	0	0	98	95	92	88	4	1	0	0	97	93	86	80
100 :	14	4	0	0	94	89	81	74	0	0	0	0	99	98	96	95	0	0	0	0	100	99	99	98	2	0	0	0	99	98	95	93
140 :	5	0	0	0	98	96	93	90	0	0	0	0	99	98	97	96	0	0	0	0	100	100	99	99	2	0	0	0	100	99	98	97
180 :	2	0	0	0	99	98	97	96	0	0	0	0	99	98	97	97	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98
220 :	0	0	0	0	100	100	99	99	0	0	0	0	99	98	97	97	0	0	0	0	100	100	99	99	0	0	0	0	100	99	99	98

	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	16	4	0	0	92	84	71	61	46	22	5	1	84	71	51	35	53	27	7	4	71	50	26	14	56	31	9	4	61	37	15	7
100 :	1	0	0	0	97	95	90	86	19	5	0	0	90	81	66	54	37	11	1	0	83	70	49	34	39	14	3	1	78	61	38	27
140 :	2	0	0	0	99	99	97	96	9	2	0	0	94	88	77	67	17	4	1	0	91	82	67	53	24	5	1	0	86	75	58	46
180 :	0	0	0	0	100	99	99	96	2	0	0	0	97	94	88	82	7	0	0	0	95	89	79	68	14	3	0	0	92	85	73	65
220 :	0	0	0	0	100	99	99	98	2	0	0	0	97	94	90	84	2	0	0	0	97	94	87	80	8	2	0	0	96	91	83	77

TABLE A-250. PROBABILITY(I), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

	JANUARY				FEBRUARY				MARCH				APRIL																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	75	56	34	21	32	10	0	0	78	60	37	23	27	10	0	0	83	68	45	30	23	9	2	0	82	66	41	24	30	10	3	1
100 :	61	36	11	3	53	30	11	5	61	35	13	3	43	21	2	0	72	51	24	11	41	19	5	1	68	46	21	8	47	23	8	3
140 :	46	21	4	1	63	44	23	12	49	24	8	2	59	35	13	6	61	35	11	4	52	31	12	4	58	32	9	2	59	38	19	10
180 :	40	15	2	1	74	57	34	22	39	17	5	0	71	51	27	15	50	21	3	0	61	38	16	6	47	21	4	1	67	49	28	17
220 :	33	8	0	0	79	65	43	29	35	12	2	0	80	63	39	26	44	16	2	0	67	48	25	12	37	11	2	0	75	58	37	25

	MAY				JUNE				JULY				AUGUST																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	66	46	20	11	49	24	10	4	61	36	15	7	57	36	16	8	40	18	5	2	72	56	37	25	42	21	5	2	69	51	32	22
100 :	52	29	9	4	66	46	27	16	43	22	7	2	77	63	41	29	25	7	2	1	89	80	69	59	28	10	2	1	88	78	61	51
140 :	41	17	3	0	79	64	46	35	29	11	2	0	87	77	62	52	11	4	0	0	95	91	86	82	7	2	0	0	94	89	80	72
180 :	34	14	3	0	86	75	60	50	19	6	0	0	92	86	75	66	5	1	0	0	98	96	93	90	2	1	0	0	98	96	92	88
220 :	24	8	1	0	90	82	71	62	11	3	0	0	96	93	86	80	0	0	0	0	99	98	96	95	0	0	0	0	99	98	96	94

	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
THRESHOLD :	.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :		.GE. THRESH :		.LT. THRESH :																	
	DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :		DAYS :																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7																
60 :	58	32	13	6	66	47	22	9	62	40	20	11	52	29	9	3	69	46	23	12	38	15	3	0	75	57	33	18	29	14	3	1
100 :	40	15	3	0	79	64	43	29	46	25	5	1	70	49	26	14	57	34	10	4	63	42	18	7	58	34	11	4	52	29	9	3
140 :	20	7	1	0	87	77	61	48	34	11	1	0	81	65	43	28	48	20	4	2	73	56	33	21	42	16	2	1	66	46	23	14
180 :	9	2	0	0	93	88	78	68	28	9	0	0	86	74	53	37	38	10	0	0	78	62	41	28	32	9	2	1	75	57	33	21
220 :	7	1	0	0	96	93	87	81	14	5	1	0	90	80	64	51	26	7	0	0	84	72	53	38	28	6	1	0	83	69	50	39

TABLE A-251. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	37	15	2	0	46	23	6	2	64	40	12	10	66	43	19	6
50/120	14	1	0	0	23	5	0	0	44	14	4	0	41	14	2	0
50/180	3	0	0	0	6	1	0	0	21	4	0	0	23	5	0	0
150/60	0	0	0	0	22	5	0	0	44	22	7	2	46	20	5	2
150/120	0	0	0	0	6	1	0	0	29	10	2	0	23	5	1	0
150/180	0	0	0	0	0	0	0	0	9	1	0	0	12	0	0	0
250/60	0	0	0	0	0	0	0	0	13	3	0	0	30	10	1	0
250/120	0	0	0	0	0	0	0	0	5	1	0	0	13	2	1	0
250/180	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	53	27	8	4	48	24	9	2	27	11	3	1	26	9	2	0
50/120	31	11	3	0	29	12	2	0	8	4	0	0	1	0	0	0
50/180	19	3	1	0	11	3	0	0	0	0	0	0	0	0	0	0
150/60	45	17	4	2	46	23	7	1	26	10	1	0	26	7	2	0
150/120	25	7	1	0	28	11	2	0	7	3	0	0	1	0	0	0
150/180	13	3	1	0	11	3	0	0	0	0	0	0	0	0	0	0
250/60	23	6	1	0	37	16	3	0	23	6	0	0	17	5	0	0
250/120	15	3	0	0	22	6	0	0	4	2	0	0	1	0	0	0
250/180	5	1	0	0	9	2	0	0	0	0	0	0	0	0	0	0

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	37	15	4	0	40	16	2	1	39	15	2	0	25	7	0	0
50/120	13	3	0	0	18	2	0	0	17	2	0	0	7	1	0	0
50/180	3	1	0	0	3	1	0	0	7	2	0	0	0	0	0	0
150/60	31	12	3	0	36	14	2	0	6	1	0	0	0	0	0	0
150/120	11	3	0	0	46	23	4	2	0	0	0	0	0	0	0	0
150/180	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
250/60	8	1	0	0	70	47	23	11	0	0	0	0	0	0	0	0
250/120	1	0	0	0	88	78	61	47	0	0	0	0	0	0	0	0
250/180	0	0	0	0	95	89	80	71	0	0	0	0	0	0	0	0

TABLE A-252. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SPRINGFIELD, MISSOURI

THRESHOLD I / W	JANUARY				FEBRUARY				MARCH				APRIL			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	57	35	15	6	68	45	20	8	77	59	35	22	80	64	39	22
50/120	36	14	2	0	47	21	5	0	60	36	14	6	62	38	14	5
50/180	25	8	1	0	33	12	3	0	45	16	2	0	46	21	5	1
150/60	8	4	0	0	40	14	1	0	52	28	11	3	57	31	9	4
150/120	0	0	0	0	18	4	0	0	39	19	5	0	40	15	3	1
150/180	0	0	0	0	10	1	0	0	25	8	1	0	26	6	0	0
250/60	0	0	0	0	0	0	0	0	17	4	0	0	36	14	2	0
250/120	0	0	0	0	0	0	0	0	10	1	0	0	25	8	1	0
250/180	0	0	0	0	0	0	0	0	6	1	0	0	17	2	0	0

THRESHOLD I / W	MAY				JUNE				JULY				AUGUST			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	66	46	20	11	61	36	15	7	40	18	5	2	42	21	5	2
50/120	44	19	3	0	33	15	4	0	15	5	0	0	18	4	1	0
50/180	34	14	3	0	19	6	0	0	5	1	0	0	2	1	0	0
150/60	51	26	8	4	55	30	10	3	37	15	3	0	40	16	4	2
150/120	37	11	1	0	32	14	3	0	14	4	0	0	16	4	1	0
150/180	26	9	1	0	18	6	0	0	4	1	0	0	2	1	0	0
250/60	32	11	3	2	43	20	4	1	30	9	1	0	23	6	0	0
250/120	18	3	0	0	24	8	2	0	11	3	0	0	7	1	0	0
250/180	14	3	0	0	16	3	0	0	2	1	0	0	0	0	0	0

THRESHOLD I / W	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	
50/60	57	31	13	6	56	32	14	7	54	32	12	3	49	27	7	3
50/120	29	11	2	0	40	15	2	0	39	15	1	0	25	8	0	0
50/180	9	2	0	0	23	7	1	0	27	7	0	0	16	4	0	0
150/60	42	21	7	3	34	10	2	0	8	2	0	0	0	0	0	0
150/120	16	6	1	0	30	3	0	0	3	0	0	0	0	0	0	0
150/180	7	1	0	0	8	2	0	0	1	0	0	0	0	0	0	0
250/60	14	6	0	0	58	40	18	7	0	0	0	0	0	0	0	0
250/120	2	0	0	0	76	61	42	28	0	0	0	0	0	0	0	0
250/180	0	0	0	0	85	74	61	50	0	0	0	0	0	0	0	0

TABLE A-253. PROBABILITY(%), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	76	51	35	26	24	3	0	0	88	73	60	49	12	1	0	0	94	83	76	71
120	48	16	6	3	52	19	8	3	63	33	16	8	37	11	3	1	73	48	33	24
180	0	0	0	0	100	100	100	100	22	7	2	0	78	58	46	38	58	27	13	6
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	29	8	2	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	100	99	96	97	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97
120	91	78	67	59	9	0	0	0	97	94	91	88	3	0	0	0	98	94	91	88
180	80	57	41	30	20	3	0	0	91	79	69	62	9	1	0	0	90	75	63	54
240	67	39	24	14	33	9	2	0	79	56	42	32	21	2	0	0	81	60	45	33
300	50	21	10	4	50	21	10	4	61	31	17	10	39	12	3	1	64	34	18	10

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	98	93	88	83	2	0	0	0	93	82	72	63	7	0	0	0	81	61	46	36
120	84	56	52	42	16	2	0	0	77	55	40	29	23	7	2	0	58	26	12	5
180	71	46	31	22	29	8	2	1	53	28	16	10	47	27	22	20	0	0	0	0
240	48	22	10	4	92	78	66	56	0	0	0	0	100	100	100	100	0	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0

TABLE A-254. PROBABILITY(%), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	41	8	1	0	59	23	8	4	46	13	3	1	54	18	6	2	63	27	13	6
140	24	2	0	0	76	46	27	15	27	2	0	0	73	41	25	16	45	13	4	1
200	14	1	0	0	86	65	49	36	16	1	0	0	84	60	42	30	30	4	0	0
260	8	0	0	0	92	78	66	56	11	0	0	0	89	71	55	44	20	2	0	0
320	4	0	0	0	96	85	76	68	7	0	0	0	93	81	71	62	15	1	0	0

THRESHOLD	MAY				JUNE				JULY				AUGUST							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	58	22	9	3	42	11	4	2	54	26	14	7	46	20	10	5	39	13	5	2
140	37	10	3	1	63	36	22	14	34	11	4	2	67	41	29	21	17	3	1	0
200	22	3	1	0	78	54	40	32	21	5	1	0	79	57	44	35	7	1	0	0
260	14	1	0	0	86	69	58	50	13	2	0	0	87	71	60	51	3	0	0	0
320	9	1	0	0	91	80	71	65	7	0	0	0	93	82	74	67	1	0	0	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:	DAYS	:				
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	43	13	4	2	57	26	12	6	45	13	3	1	55	20	7	3	43	9	2	1
140	23	4	1	0	77	53	36	24	25	4	0	0	75	49	32	22	23	2	0	0
200	12	1	1	0	88	72	59	49	13	1	0	0	87	68	55	46	13	0	0	0
260	6	1	0	0	94	85	75	67	8	0	0	0	92	79	68	60	9	0	0	0
300	4	0	0	0	96	88	81	74	5	0	0	0	95	85	78	71	5	0	0	0

TABLE A-255. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	43	12	3	1	57	26	10	4	46	14	5	2	54	22	8	4	48	17	6	2	52	22	10	4	46	15	5	2	55	26	15	8
140	23	2	0	0	77	49	31	18	24	5	1	0	76	51	33	21	29	5	1	0	72	45	28	16	25	3	0	0	76	51	35	26
200	15	0	0	0	85	64	47	36	17	3	0	0	83	64	49	36	16	0	0	0	85	64	47	35	15	1	0	0	85	67	55	46
260	10	0	0	0	90	74	60	50	11	1	0	0	89	75	64	54	11	0	0	0	90	74	61	51	6	0	0	0	94	84	76	69
320	6	0	0	0	94	84	75	67	6	0	0	0	94	84	77	70	6	0	0	0	94	85	76	68	3	0	0	0	97	92	87	92

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	28	7	2	1	72	48	33	23	27	8	2	1	73	51	36	26	14	2	0	0	87	71	59	49	12	2	0	0	88	70	57	48
140	10	1	0	0	90	78	67	58	10	2	0	0	90	79	70	63	4	0	0	0	97	93	89	86	2	0	0	0	99	94	89	84
200	4	0	0	0	96	89	83	77	4	1	0	0	96	91	86	82	1	0	0	0	99	97	95	93	0	0	0	0	100	98	95	92
260	2	0	0	0	98	94	91	89	2	0	0	0	99	96	92	90	0	0	0	0	100	99	99	98	0	0	0	0	100	99	97	96
320	1	0	0	0	99	97	96	95	1	0	0	0	99	98	96	95	0	0	0	0	100	100	99	99	0	0	0	0	100	99	98	97

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	23	5	2	1	77	56	42	32	36	10	3	0	64	36	21	12	39	9	2	1	61	30	15	8	43	12	3	1	57	26	12	7
140	8	1	0	0	92	81	71	62	16	2	0	0	84	65	50	38	20	2	0	0	80	55	37	27	24	3	0	0	76	49	31	21
200	4	0	0	0	96	91	85	79	8	1	0	0	92	81	71	63	10	1	0	0	90	75	62	52	14	2	0	0	86	68	53	42
260	2	0	0	0	98	94	90	87	4	1	0	0	97	91	85	80	5	0	0	0	95	85	75	67	10	1	0	0	91	76	65	55
320	0	0	0	0	100	98	96	95	2	0	0	0	98	94	90	87	3	0	0	0	97	90	84	78	6	1	0	0	94	85	77	70

TABLE A-256. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	68	35	19	11	32	4	1	0	72	39	21	13	28	4	0	0	80	56	41	29	20	2	0	0	82	59	41	29	19	2	0	0
140	48	15	4	1	52	18	6	2	53	18	6	3	47	13	3	0	64	31	15	7	36	7	1	0	67	36	20	11	33	9	3	1
200	34	5	0	0	66	32	16	6	38	10	3	2	62	29	13	6	53	21	8	3	48	15	5	2	52	21	7	3	48	19	9	4
260	26	2	0	0	74	44	26	14	30	6	1	0	70	41	23	13	39	8	2	0	62	28	14	6	41	11	3	1	59	28	14	8
320	20	1	0	0	80	54	37	24	24	3	0	0	76	51	33	21	30	5	1	0	70	39	21	11	33	6	1	0	67	37	23	15

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	72	42	25	14	28	5	2	1	69	42	26	16	32	9	3	0	57	25	12	6	47	14	4	2	58	29	15	9	42	15	5	2
140	51	21	10	5	49	19	8	4	49	22	11	5	52	26	15	9	31	9	2	1	69	43	28	20	34	11	4	2	66	40	26	17
200	36	11	4	2	64	38	24	16	36	14	5	2	64	41	27	18	17	3	1	0	64	66	53	43	20	4	1	0	80	59	46	37
260	27	6	1	0	73	50	36	29	25	7	2	1	75	53	40	31	10	2	0	0	90	78	69	61	11	1	0	0	89	72	59	51
320	19	2	0	0	81	61	48	40	18	4	1	0	82	64	53	45	6	1	0	0	94	87	81	76	5	0	0	0	95	85	76	68

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
80	61	30	16	8	39	14	6	2	65	33	16	6	35	7	1	0	66	34	18	11	34	8	3	1	66	35	17	8	34	7	1	0
140	39	13	5	2	61	31	16	8	46	15	5	1	54	22	9	4	48	15	5	2	52	21	9	4	47	13	3	0	53	20	7	2
200	24	5	2	0	76	53	37	26	33	9	2	0	68	40	25	15	34	5	0	0	66	33	17	9	33	5	1	0	67	34	18	12
260	16	2	1	0	84	64	49	38	23	4	0	0	77	53	38	27	24	3	0	0	76	46	28	18	23	2	0	0	77	46	30	20
320	11	1	0	0	89	74	62	53	15	2	0	0	85	66	53	42	17	1	0	0	83	59	44	33	14	1	0	0	82	57	40	30

TABLE A-257. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7												
50/100	27	3	0	0	9	0	0	0	34	5	1	0	4	0	0	0	54	20	8	3	1	0	0	0	60	27	13	6	0	0	0	0
50/200	10	0	0	0	13	1	0	0	14	0	0	0	7	0	0	0	29	3	0	0	3	0	0	0	33	5	1	1	0	0	0	0
50/300	4	0	0	0	15	1	0	0	7	0	0	0	7	0	0	0	17	1	0	0	4	0	0	0	18	1	1	0	1	0	0	0
150/100	1	0	0	0	62	26	10	3	18	1	0	0	27	6	1	0	37	8	2	1	15	2	0	0	47	17	7	3	8	0	0	0
150/200	0	0	0	0	82	57	39	26	7	0	0	0	38	11	3	1	19	2	0	0	23	5	1	0	26	3	1	0	14	1	0	0
150/300	0	0	0	0	90	75	62	51	3	0	0	0	42	13	4	1	10	1	0	0	27	6	1	0	14	1	0	0	18	1	0	0
250/100	0	0	0	0	66	30	13	6	0	0	0	0	62	28	13	7	11	1	0	0	34	7	2	0	31	6	3	1	17	2	0	0
250/200	0	0	0	0	86	65	49	36	0	0	0	0	84	60	42	30	6	0	0	0	56	25	13	7	17	1	0	0	30	6	1	0
250/300	0	0	0	0	95	84	75	66	0	0	0	0	92	78	66	56	3	0	0	0	66	38	23	15	10	1	0	0	38	9	3	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	49	17	7	2	0	0	0	0	47	21	10	4	0	0	0	0	30	8	2	1	0	0	0	0	34	10	3	1	0	0	0	0
50/200	22	3	1	0	0	0	0	0	21	5	1	0	0	0	0	0	7	1	0	0	0	0	0	0	9	0	0	0	0	0	0	0
50/300	10	1	0	0	0	0	0	0	9	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/100	41	10	4	2	7	1	0	0	45	20	8	3	2	0	0	0	30	8	2	1	4	0	0	0	33	10	2	0	6	1	0	0
150/200	19	1	0	0	12	1	0	0	21	4	1	0	4	0	0	0	7	1	0	0	5	0	0	0	8	0	0	0	7	1	0	0
150/300	8	1	0	0	14	1	0	0	9	1	0	0	4	0	0	0	2	0	0	0	5	0	0	0	1	0	0	0	7	1	0	0
250/100	32	5	1	0	18	4	1	0	36	12	4	1	12	0	0	0	27	6	1	0	17	3	0	0	26	7	1	0	20	4	1	0
250/200	15	1	0	0	29	8	2	0	17	3	1	0	19	2	0	0	6	1	0	0	20	4	1	0	7	0	0	0	26	6	1	0
250/300	7	0	0	0	32	9	2	0	7	1	0	0	22	2	0	0	1	0	0	0	21	4	1	0	1	0	0	0	28	7	2	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	35	8	2	1	1	0	0	0	36	8	2	0	2	0	0	0	31	4	0	0	7	1	0	0	25	1	0	0	18	2	1	0
50/200	11	1	1	0	0	0	0	0	13	1	0	0	3	0	0	0	12	0	0	0	10	1	1	0	9	0	0	0	22	3	1	0
50/300	5	1	0	0	0	0	0	0	6	0	0	0	3	0	0	0	5	0	0	0	10	1	1	0	4	0	0	0	23	3	1	0
150/100	28	5	1	0	15	1	0	0	26	4	0	0	19	4	1	0	4	0	0	0	54	22	11	5	0	0	0	0	69	33	17	9
150/200	10	1	0	0	21	3	1	0	9	0	0	0	27	8	3	1	1	0	0	0	72	47	34	25	0	0	0	0	89	71	57	45
150/300	5	1	0	0	22	3	1	0	4	0	0	0	28	8	3	1	0	0	0	0	79	40	48	39	0	0	0	0	95	87	80	73
250/100	14	3	0	0	41	15	5	1	0	0	0	0	62	29	14	7	0	0	0	0	66	30	15	8	0	0	0	0	69	33	17	9
250/200	5	0	0	0	56	34	23	17	0	0	0	0	87	68	55	46	0	0	0	0	87	65	50	38	0	0	0	0	89	71	57	45
250/300	2	0	0	0	60	40	30	24	0	0	0	0	84	83	74	67	0	0	0	0	94	83	72	63	0	0	0	0	95	87	80	73

TABLE A-258. PROBABILITY(X), BY MONTH, OF COMB. INSOL-WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	49	16	5	2	4	0	0	0	59	24	9	4	2	0	0	0	71	43	26	16	1	0	0	0	76	48	30	19	0	0	0	0
50/200	26	3	0	0	8	0	0	0	33	6	2	1	4	0	0	0	50	19	7	2	2	0	0	0	52	20	7	3	0	0	0	0
50/300	16	1	0	0	11	0	0	0	22	2	0	0	5	0	0	0	31	5	1	0	3	0	0	0	35	7	2	0	1	0	0	0
150/100	2	0	0	0	36	6	1	0	32	5	1	0	13	2	0	0	49	17	6	2	9	1	0	0	59	25	11	5	3	0	0	0
150/200	1	0	0	0	62	27	11	3	17	2	0	0	26	6	1	0	34	7	1	0	15	3	0	0	40	11	3	1	9	0	0	0
150/300	0	0	0	0	74	44	25	14	11	0	0	0	32	8	2	1	19	2	0	0	21	5	1	0	27	4	1	0	13	1	0	0
250/100	0	0	0	0	39	8	2	1	0	0	0	0	35	6	1	0	15	2	0	0	20	2	0	0	39	8	3	1	8	0	0	0
250/200	0	0	0	0	66	32	16	6	0	0	0	0	62	29	13	6	10	1	0	0	37	10	3	1	26	3	1	0	20	3	0	0
250/300	0	0	0	0	78	51	32	20	0	0	0	0	74	47	30	18	5	0	0	0	53	23	10	4	17	1	0	0	27	6	1	0

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	66	32	16	8	0	0	0	0	60	32	18	11	0	0	0	0	47	18	7	2	0	0	0	0	49	21	9	4	0	0	0	0
50/200	36	11	4	2	0	0	0	0	36	14	5	2	0	0	0	0	17	3	1	0	0	0	0	0	20	4	1	0	0	0	0	0
50/300	21	3	1	0	0	0	0	0	21	5	1	0	0	0	0	0	7	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0
150/100	53	18	7	3	3	0	0	0	57	29	15	8	1	0	0	0	45	17	6	2	3	0	0	0	46	19	8	4	5	0	0	0
150/200	31	7	2	1	10	1	0	0	34	13	4	1	3	0	0	0	16	3	1	0	4	0	0	0	20	4	1	0	7	1	0	0
150/300	18	2	1	0	12	1	0	0	20	5	1	0	4	0	0	0	7	1	0	0	5	0	0	0	7	0	0	0	7	1	0	0
250/100	41	10	2	0	11	2	0	0	45	17	7	3	8	0	0	0	38	11	3	1	13	2	0	0	36	12	3	1	15	2	0	0
250/200	23	3	0	0	22	6	1	0	28	7	2	1	16	1	0	0	15	2	0	0	19	3	0	0	16	3	1	0	23	4	1	0
250/300	14	1	0	0	29	8	2	0	17	3	1	0	20	2	0	0	7	1	0	0	20	4	1	0	5	0	0	0	27	6	2	0

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7																
50/100	51	19	8	3	0	0	0	0	55	21	7	3	1	0	0	0	51	17	7	3	3	0	0	0	43	10	2	0	8	1	0	0
50/200	24	5	2	0	1	0	0	0	31	8	1	0	2	0	0	0	30	3														

TABLE A-259. PROBABILITY(X), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	60	65	44	32	32	12	2	0	91	83	67	54	24	7	0	0	94	88	80	74	4	0	0	0	98	96	93	90	0	0	0	0
120	55	31	10	5	57	34	14	6	73	51	23	11	49	25	6	2	81	64	43	30	43	20	4	1	89	78	62	49	19	5	0	0
180	0	0	0	0	100	100	100	100	47	24	7	2	85	74	59	48	66	44	20	9	51	25	7	2	75	55	32	18	37	11	2	0
240	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	47	23	4	2	77	60	40	27	62	39	17	8	50	22	7	1
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	98	42	19	2	0	76	56	30	15

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	100	99	98	97	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97	0	0	0	0								
120	92	85	73	63	10	2	0	0	98	97	94	90	6	1	0	0	98	96	93	90	4	0	0	0	96	92	83	75	7	0	0	0
180	84	70	49	35	30	11	2	0	92	86	75	66	11	3	0	0	91	83	68	58	16	3	0	0	89	79	63	49	22	4	0	0
240	74	57	33	19	45	24	6	1	82	69	51	38	27	7	1	0	85	73	54	40	35	13	2	0	79	64	41	25	43	21	7	2
300	61	39	16	7	62	39	18	7	69	48	25	14	49	28	7	2	72	50	26	15	50	28	7	1	57	34	11	4	75	61	48	44

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
60	97	95	90	84	2	0	0	0	94	88	77	66	7	0	0	0	85	73	53	40	35	13	3	2	77	60	37	23	40	14	4	2
120	87	77	60	47	30	8	1	0	83	69	49	35	41	21	7	2	67	43	19	8	55	34	14	6	30	9	1	0	88	79	65	56
180	78	61	39	27	46	23	6	1	67	48	26	16	70	55	46	44	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
240	61	40	17	7	69	52	38	32	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100

TABLE A-260. PROBABILITY(X), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	43	18	1	0	58	36	13	5	46	24	6	2	58	31	9	3	64	42	19	9	37	15	4	1	70	51	28	15	39	18	2	0
140	27	8	0	0	77	59	35	19	28	6	0	0	73	54	31	19	51	27	8	2	57	34	14	6	54	30	8	3	62	41	18	9
200	13	3	0	0	86	75	56	41	17	3	0	0	84	70	48	33	35	11	1	0	70	50	27	16	39	11	2	1	71	51	26	16
260	6	2	0	0	92	84	71	59	8	1	0	0	89	79	61	48	29	9	0	0	81	66	44	30	30	9	2	1	80	65	45	32
320	2	0	0	0	95	89	79	70	6	1	0	0	93	86	76	66	19	5	0	0	86	73	53	39	21	5	1	1	86	75	59	46

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	61	35	14	4	46	22	8	3	66	45	22	11	59	37	18	8	55	31	10	4	72	50	27	15	54	32	13	5	65	42	18	8
140	47	23	5	2	71	54	32	19	50	25	9	4	75	58	40	28	29	12	2	1	88	78	61	48	33	9	0	0	83	71	53	41
200	30	7	2	0	82	67	49	38	38	14	3	1	84	71	54	42	15	5	0	0	95	91	84	77	12	1	0	0	91	83	70	60
260	19	4	1	0	89	79	65	55	22	6	1	0	89	80	68	57	8	1	0	0	98	96	91	87	3	0	0	0	96	92	86	80
320	16	3	0	0	93	86	77	70	15	2	0	0	94	88	79	71	5	0	0	0	99	98	97	95	0	0	0	0	98	97	94	90

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	50	25	7	3	62	41	18	6	51	28	7	1	59	33	11	4	43	19	3	1	58	36	15	6	39	13	1	0	64	42	19	9
140	31	9	3	1	81	66	43	28	35	14	2	0	79	63	40	26	23	6	0	0	77	59	35	21	22	5	0	0	82	67	46	34
200	18	6	2	0	89	80	65	53	18	4	0	0	88	77	61	50	8	1	0	0	85	73	55	42	14	3	0	0	89	79	62	49
260	10	4	1	0	95	90	80	70	11	3	0	0	92	85	73	64	2	0	0	0	90	81	66	53	12	5	0	0	94	89	79	69
320	5	1	0	0	96	92	83	76	9	2	0	0	95	90	81	74	1	0	0	0	94	88	78	68	7	4	0	0	96	93	86	79

TABLE A-261. PROBABILITY(%), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	54	26	5	1	65	42	16	7	55	28	10	4	64	38	15	6	60	34	12	4	62	41	17	7	56	29	8	3	67	46	25	14
140	34	8	0	0	80	63	39	22	39	14	3	0	81	65	41	25	45	16	2	0	78	61	37	21	36	9	0	0	81	65	44	32
200	21	2	0	0	86	74	54	41	33	9	1	0	87	76	58	42	24	1	0	0	86	74	54	40	24	3	0	0	88	78	64	53
260	16	1	0	0	91	82	66	54	26	5	0	0	91	83	71	60	19	0	0	0	91	82	67	56	11	0	0	0	95	89	80	72
320	11	0	0	0	94	89	79	70	10	1	0	0	94	89	81	74	15	1	0	0	95	89	80	72	6	0	0	0	97	94	89	84

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
80	48	23	7	2	81	65	43	29	46	22	4	1	80	67	47	33	29	9	1	0	90	82	67	55	25	10	0	0	88	78	62	51
140	19	6	1	0	93	85	73	63	27	11	1	0	93	86	76	69	12	4	0	0	98	96	92	88	5	0	0	0	98	95	90	85
200	10	2	0	0	96	93	86	81	12	5	0	0	97	94	89	85	6	0	0	0	99	98	96	94	0	0	0	0	99	98	95	92
260	5	0	0	0	98	96	93	90	5	1	0	0	98	97	94	91	0	0	0	0	100	99	99	98	0	0	0	0	99	99	97	96
320	2	0	0	0	99	98	97	95	2	0	0	0	99	98	97	95	0	0	0	0	100	99	99	98	0	0	0	0	99	99	98	96

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
80	36	14	4	1	82	70	49	36	53	24	6	1	73	54	31	17	49	21	4	1	67	47	22	11	53	25	6	2	67	44	19	10
140	16	5	1	0	93	87	75	65	34	10	1	0	88	77	59	43	28	7	0	0	81	66	44	31	32	10	1	0	80	63	39	26
200	7	1	0	0	97	94	87	82	20	6	1	0	94	88	77	68	17	3	0	0	91	82	67	55	27	7	1	0	88	78	60	47
260	1	0	0	0	98	96	92	86	9	5	1	0	97	94	88	82	9	2	0	0	95	89	79	70	19	3	0	0	92	84	70	60
320	0	0	0	0	99	98	97	95	8	1	0	0	98	96	92	88	2	1	0	0	96	93	86	80	9	3	0	0	95	90	81	73

TABLE A-262. PROBABILITY(%), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7												
80	70	51	27	15	34	11	2	1	74	53	28	17	34	14	1	0	83	68	49	35	23	8	1	0	83	71	49	34	28	8	1	0
140	56	29	7	2	56	32	10	4	57	31	10	4	52	26	5	1	67	47	22	11	38	16	3	1	70	52	27	14	43	24	6	1
200	41	13	1	0	69	48	23	9	44	21	6	3	68	45	18	9	59	37	14	5	52	27	9	3	58	36	12	5	59	36	15	7
260	32	8	0	0	76	58	34	17	37	14	3	1	74	56	30	16	47	20	4	1	63	42	20	8	49	22	5	2	67	45	21	12
320	28	6	0	0	82	66	44	29	33	9	1	0	80	65	41	25	41	14	3	1	73	53	29	14	42	16	3	1	74	55	33	21

THRESHOLD	MAY				JUNE				JULY				AUGUST																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
80	75	55	32	18	33	13	5	2	75	59	36	21	44	22	8	1	65	42	19	9	56	30	9	3	66	46	23	12	50	29	9	3
140	60	36	16	7	58	35	14	6	63	41	18	7	65	45	25	14	50	24	6	2	78	60	38	26	49	27	10	4	74	56	34	22
200	51	26	8	3	72	55	34	22	57	35	11	4	76	60	39	25	33	13	2	0	89	78	62	49	40	15	1	0	83	70	52	41
260	45	17	3	1	81	65	46	36	45	19	5	1	82	69	50	38	25	9	0	0	93	87	76	67	15	2	0	0	89	80	64	54
320	30	7	1	0	85	74	57	47	39	14	3	1	86	76	62	52	14	5	0	0	96	92	86	80	9	1	0	0	95	89	79	70

THRESHOLD	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER																			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH																	
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS																	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7								
80	70	45	21	11	49	30	12	3	71	49	23	8	42	18	3	1	70	48	24	14	43	21	6	1	71	52	25	12	46	20	2	0
140	52	25	8	4	70	48	23	11	56	31	9	2	62	36	15	5	54	28	9	4	57	36	14	6	52	26	5	0	60	35	11	4
200	37	12	3	1	80	66	44	30	50	26	5	1	76	57	34	20	38	13	1	0	68	48	22	11	39	12	1	0	70	48	24	16
260	25	6	3	0	86	75	56	43	37	15	1	0	82	68	47	33	28	9	1	0	77	59	35	22	30	7	1	0	79	61	36	24
320	20	6	3	0	90	83	68	57	27	10	1	0	88	76	60	48	19	4	0	0	83	70	50	37	25	5	1	0	83	69	47	35

TABLE A-263. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	28	8	1	0	17	2	0	0	37	13	1	1	8	1	0	0	58	36	14	6
50/200	8	2	0	0	22	4	0	0	13	2	0	0	13	2	0	0	34	10	1	0
50/300	2	1	0	0	23	6	0	0	6	0	0	0	14	2	0	0	24	6	0	0
150/100	0	0	0	0	62	40	15	5	20	5	0	0	39	17	4	1	43	19	4	2
150/200	0	0	0	0	82	69	47	30	7	1	0	0	50	24	6	2	23	6	0	0
150/300	0	0	0	0	90	82	68	56	2	0	0	0	53	28	8	2	17	4	0	0
250/100	0	0	0	0	65	43	19	8	0	0	0	0	65	42	18	9	22	5	1	0
250/200	0	0	0	0	86	75	56	41	0	0	0	0	84	70	48	33	8	1	0	0
250/300	0	0	0	0	94	88	78	69	0	0	0	0	92	84	71	60	6	0	0	0
	MAY				JUNE				JULY				AUGUST							
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	56	32	12	4	0	0	0	0	61	41	18	6	0	0	0	0	46	21	5	1
50/200	30	7	2	0	0	0	0	0	38	14	3	1	0	0	0	0	15	5	0	0
50/300	16	3	1	0	0	0	0	0	16	4	0	0	0	0	0	0	5	0	0	0
150/100	47	22	6	3	13	4	0	0	61	40	16	5	5	0	0	0	44	21	5	1
150/200	24	5	1	0	17	6	0	0	36	13	3	1	7	2	0	0	15	5	0	0
150/300	16	2	0	0	17	6	0	0	17	4	0	0	8	2	0	0	5	0	0	0
250/100	36	14	2	0	33	13	3	0	49	28	8	2	16	1	0	0	41	17	3	0
250/200	20	3	0	0	45	24	4	0	31	11	2	0	27	7	1	0	12	4	0	0
250/300	11	1	0	0	48	26	5	1	13	4	0	0	28	7	1	0	3	0	0	0
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	43	17	4	1	2	0	0	0	46	22	4	0	4	0	0	0	29	9	0	0
50/200	18	6	2	0	2	0	0	0	17	4	0	0	4	0	0	0	7	1	0	0
50/300	8	4	1	0	2	0	0	0	9	2	0	0	4	0	0	0	1	0	0	0
150/100	37	13	2	0	23	5	0	0	37	13	1	0	30	14	3	0	9	0	0	0
150/200	13	5	2	0	34	12	2	0	14	3	0	0	44	23	7	2	0	0	0	0
150/300	8	4	1	0	36	12	0	0	5	2	0	0	44	23	7	2	0	0	0	0
250/100	28	11	1	0	56	32	10	3	0	0	0	0	67	43	20	9	0	0	0	0
250/200	7	2	0	0	76	59	40	29	0	0	0	0	88	77	61	50	0	0	0	0
250/300	3	2	0	0	79	65	49	38	0	0	0	0	94	88	78	69	0	0	0	0

TABLE A-264. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - WICHITA, KANSAS

THRESHOLD	JANUARY				FEBRUARY				MARCH				APRIL							
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	55	31	9	3	4	0	0	0	62	38	14	6	2	0	0	0	75	57	35	21
50/200	31	9	1	0	15	1	0	0	38	15	4	2	6	0	0	0	1	0	0	0
50/300	22	5	0	0	21	3	0	0	26	5	1	0	7	1	0	0	41	15	3	1
150/100	4	1	0	0	39	15	2	0	37	16	4	1	28	8	0	0	56	31	10	3
150/200	4	0	0	0	65	43	16	4	22	7	2	0	40	17	3	0	38	18	2	1
150/300	0	0	0	0	75	58	33	18	8	2	0	0	44	18	4	2	28	8	0	0
250/100	0	0	0	0	41	17	4	2	0	0	0	0	40	16	3	1	31	9	1	0
250/200	0	0	0	0	69	48	23	9	0	0	0	0	68	45	18	9	19	4	0	0
250/300	0	0	0	0	80	63	40	25	0	0	0	0	79	62	38	22	13	2	0	0
	MAY				JUNE				JULY				AUGUST							
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	69	47	22	10	0	0	0	0	69	50	27	15	0	0	0	0	60	36	12	4
50/200	51	26	8	3	0	0	0	0	57	35	11	4	0	0	0	0	57	35	13	4
50/300	34	9	2	1	0	0	0	0	40	16	4	1	0	0	0	0	18	7	0	0
150/100	58	31	11	5	11	3	0	0	67	48	23	12	2	0	0	0	59	35	12	4
150/200	40	18	4	2	15	5	0	0	56	32	8	2	6	1	0	0	33	13	2	0
150/300	27	6	1	1	20	6	0	0	40	16	4	1	7	2	0	0	18	7	0	0
250/100	46	21	4	0	23	8	1	0	54	32	12	4	10	2	0	0	53	26	8	2
250/200	31	11	1	0	40	20	3	0	41	20	4	1	25	6	1	0	28	10	1	0
250/300	20	3	0	0	47	26	5	0	32	12	2	0	27	7	1	0	15	4	0	0
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER							
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH					
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	60	33	11	5	0	0	0	0	61	36	11	4	0	0	0	0	54	29	11	4
50/200	36	11	3	1	2	0	0	0	47	22	3	0	2	0	0	0	29	8	0	0
50/300	22	5	2	0	2	0	0	0	26	8	0	0	4	0	0	0	16	3	0	0
150/100	47	22	6	3	16	4	0	0	47	22	4	0	18	7	0	0	16	2	0	0
150/200	28	9	3	0	28	9	1	0	35	13	1	0	31	15	3	0	6	1	0	0
150/300	17	5	1	0	34	11	2	0	19	3	0	0	39	20	5	1	2	0	0	0
250/100	36	17	6	2	41	20	6	1	0	0	0	0	49	24	8	2	0	0	0	0
250/200	20	6	2	0	65	45	21	10	0	0	0	0	76	57	34	20	0	0	0	0
250/300	11	2	0	0	74	58	37	24	0	0	0	0	86	74	56	43	0	0	0	0

Appendix B

INSOLATION RELATED TO INCLINED SURFACES

Global horizontal insolation (as recorded historically) were related to inclined surfaces at each site using the Becker and Boyd daily average data method (ref. 2). Ratios are provided in this appendix, based on the 21st of each month, for multiplying global insolation to obtain insolation estimates on south-facing surfaces inclined at five different angles with respect to the horizontal. The ratios are presented in the following table for each site in the region, alphabetically.

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H \cdot \text{RATIO}$)

BISMARCK, NORTH DAKOTA

(LAT=46.77DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.39	1.23	1.15	1.09	1.04	1.02	1.04	1.09	1.15	1.23	1.39	1.43
30	1.94	1.57	1.33	1.15	1.01	.98	1.01	1.15	1.33	1.57	1.94	2.10
50	2.27	1.72	1.40	1.09	.91	.86	.91	1.09	1.40	1.72	2.27	2.55
70	2.39	1.76	1.30	.91	.71	.64	.71	.91	1.30	1.76	2.39	2.69
90	2.34	1.56	1.08	.59	.42	.34	.42	.59	1.08	1.56	2.34	2.65

CHICAGO, ILLINOIS

(LAT=41.78DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.31	1.20	1.12	1.05	1.02	1.00	1.02	1.05	1.12	1.20	1.31	1.37
30	1.78	1.49	1.26	1.08	.97	.94	.97	1.08	1.26	1.49	1.78	1.94
50	2.04	1.62	1.28	1.00	.85	.80	.85	1.00	1.28	1.62	2.04	2.27
70	2.10	1.58	1.17	.81	.64	.58	.64	.81	1.17	1.58	2.10	2.38
90	1.94	1.38	.92	.52	.36	.30	.36	.52	.92	1.38	1.94	2.26

CLEVELAND, OHIO

(LAT=41.40DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.31	1.20	1.12	1.05	1.02	1.00	1.02	1.05	1.12	1.20	1.31	1.37
30	1.76	1.49	1.25	1.08	.96	.93	.96	1.08	1.25	1.49	1.76	1.92
50	2.02	1.61	1.27	1.00	.85	.80	.85	1.00	1.27	1.61	2.02	2.25
70	2.07	1.57	1.16	.81	.64	.58	.64	.81	1.16	1.57	2.07	2.36
90	1.92	1.36	.91	.51	.36	.29	.36	.51	.91	1.36	1.92	2.23

COLUMBIA, MISSOURI

(LAT=38.82DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.28	1.18	1.11	1.04	1.01	.99	1.01	1.04	1.11	1.18	1.28	1.33
30	1.68	1.44	1.22	1.05	.94	.91	.94	1.05	1.22	1.44	1.68	1.84
50	1.90	1.54	1.22	.96	.82	.77	.82	.96	1.22	1.54	1.90	2.12
70	1.92	1.48	1.10	.76	.60	.55	.60	.76	1.10	1.48	1.92	2.19
90	1.75	1.27	.85	.47	.32	.26	.32	.47	.85	1.27	1.75	2.04

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H \cdot \text{RATIO}$) (Continued)

DAYTON, OHIO

(LAT=39.90DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.29	1.19	1.11	1.04	1.01	.99	1.01	1.04	1.11	1.19	1.29	1.35
30	1.72	1.46	1.23	1.06	.95	.92	.95	1.06	1.23	1.46	1.72	1.88
50	1.95	1.57	1.24	.97	.83	.78	.83	.97	1.24	1.57	1.95	2.17
70	1.98	1.52	1.12	.78	.62	.56	.62	.78	1.12	1.52	1.98	2.26
90	1.82	1.31	.87	.49	.34	.28	.34	.49	.87	1.31	1.82	2.12

DES MOINES, IOWA

(LAT=41.53DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.31	1.20	1.12	1.05	1.02	1.00	1.02	1.05	1.12	1.20	1.31	1.37
30	1.77	1.49	1.25	1.08	.97	.94	.97	1.08	1.25	1.49	1.77	1.93
50	2.03	1.61	1.27	1.00	.85	.80	.85	1.00	1.27	1.61	2.03	2.26
70	2.08	1.57	1.16	.81	.64	.58	.64	.81	1.16	1.57	2.08	2.37
90	1.93	1.37	.91	.51	.36	.30	.36	.51	.91	1.37	1.93	2.24

DODGE CITY, KANSAS

(LAT=37.77DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.26	1.18	1.10	1.04	1.01	.99	1.01	1.04	1.10	1.18	1.26	1.32
30	1.64	1.42	1.21	1.04	.94	.90	.94	1.04	1.21	1.42	1.64	1.80
50	1.85	1.52	1.20	.94	.80	.75	.80	.94	1.20	1.52	1.85	2.06
70	1.86	1.45	1.08	.74	.59	.53	.59	.74	1.08	1.45	1.86	2.11
90	1.69	1.23	.83	.45	.30	.25	.30	.45	.83	1.23	1.69	1.95

FARGO, NORTH DAKOTA

(LAT=46.90DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.39	1.23	1.15	1.09	1.04	1.02	1.04	1.09	1.15	1.23	1.39	1.44
30	1.94	1.58	1.34	1.15	1.02	.99	1.02	1.15	1.34	1.58	1.94	2.10
50	2.28	1.72	1.40	1.09	.91	.86	.91	1.09	1.40	1.72	2.28	2.56
70	2.40	1.76	1.31	.91	.72	.64	.72	.91	1.31	1.76	2.40	2.70
90	2.36	1.56	1.08	.59	.42	.35	.42	.59	1.08	1.56	2.36	2.66

Tab B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H * \text{RATIO}$) (Continued)

FORT WAYNE, INDIANA

(LAT=41.00DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.30	1.20	1.12	1.05	1.01	.99	1.01	1.05	1.12	1.20	1.30	1.36
30	1.75	1.48	1.25	1.07	.96	.93	.96	1.07	1.25	1.48	1.75	1.91
50	2.01	1.60	1.26	.99	.84	.79	.84	.99	1.26	1.60	2.01	2.23
70	2.05	1.55	1.15	.80	.63	.57	.63	.80	1.15	1.55	2.05	2.33
90	1.89	1.35	.90	.51	.35	.29	.35	.51	.90	1.35	1.89	2.20

GOODLAND, KANSAS

(LAT=39.37DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.28	1.19	1.11	1.04	1.01	.99	1.01	1.04	1.11	1.19	1.28	1.34
30	1.70	1.45	1.22	1.05	.95	.91	.95	1.05	1.22	1.45	1.70	1.86
50	1.93	1.55	1.23	.96	.82	.77	.82	.96	1.23	1.55	1.93	2.15
70	1.95	1.50	1.11	.77	.61	.55	.61	.77	1.11	1.50	1.95	2.23
90	1.79	1.29	.86	.48	.33	.27	.33	.48	.86	1.29	1.79	2.08

GRAND ISLAND, NEBRASKA

(LAT=40.97DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.30	1.20	1.12	1.05	1.01	.99	1.01	1.05	1.12	1.20	1.30	1.36
30	1.75	1.48	1.25	1.07	.96	.93	.96	1.07	1.25	1.48	1.75	1.91
50	2.00	1.60	1.26	.99	.84	.79	.84	.99	1.26	1.60	2.00	2.23
70	2.05	1.55	1.15	.80	.63	.57	.63	.80	1.15	1.55	2.05	2.33
90	1.89	1.35	.90	.51	.35	.29	.35	.51	.90	1.35	1.89	2.20

GRAND RAPIDS, MICHIGAN

(LAT=42.88DEG)

	R A T I O											
TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.32	1.21	1.13	1.06	1.02	1.00	1.02	1.06	1.13	1.21	1.32	1.38
30	1.81	1.51	1.28	1.09	.98	.95	.98	1.09	1.28	1.51	1.81	1.97
50	2.09	1.64	1.30	1.02	.86	.81	.86	1.02	1.30	1.64	2.09	2.33
70	2.16	1.62	1.19	.83	.66	.59	.66	.83	1.19	1.62	2.16	2.45
90	2.01	1.42	.95	.54	.37	.31	.37	.54	.95	1.42	2.01	2.34

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H * \text{RATIO}$) (Continued)

GREEN BAY, WISCONSIN

(LAT=44.48DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.34	1.22	1.14	1.07	1.03	1.01	1.03	1.07	1.14	1.22	1.34	1.40
30	1.86	1.54	1.30	1.11	.99	.96	.99	1.11	1.30	1.54	1.86	2.02
50	2.17	1.69	1.34	1.05	.88	.83	.88	1.05	1.34	1.69	2.17	2.41
70	2.26	1.67	1.24	.86	.68	.61	.68	.86	1.24	1.67	2.26	2.56
90	2.12	1.48	1.00	.56	.39	.32	.39	.56	1.00	1.48	2.12	2.46

MADISON, WISCONSIN

(LAT=43.13DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.33	1.21	1.13	1.06	1.02	1.00	1.02	1.06	1.13	1.21	1.33	1.39
30	1.82	1.52	1.28	1.10	.98	.95	.98	1.10	1.28	1.52	1.82	1.98
50	2.10	1.65	1.31	1.03	.87	.82	.87	1.03	1.31	1.65	2.10	2.34
70	2.18	1.63	1.20	.84	.66	.60	.66	.84	1.20	1.63	2.18	2.47
90	2.03	1.43	.96	.54	.38	.31	.38	.54	.96	1.43	2.03	2.36

MINNEAPOLIS, MINNESOTA

(LAT=44.88DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.35	1.22	1.14	1.07	1.03	1.01	1.03	1.07	1.14	1.22	1.35	1.41
30	1.88	1.55	1.31	1.12	1.00	.97	1.00	1.12	1.31	1.55	1.88	2.04
50	2.18	1.70	1.35	1.06	.89	.84	.89	1.06	1.35	1.70	2.18	2.43
70	2.28	1.69	1.25	.87	.69	.62	.69	.87	1.25	1.69	2.28	2.58
90	2.14	1.50	1.01	.57	.40	.33	.40	.57	1.01	1.50	2.14	2.49

MINOT, NORTH DAKOTA

(LAT=48.27DEG)

TILT ANGLE	R A T I O											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.42	1.24	1.15	1.11	1.04	1.02	1.04	1.11	1.15	1.24	1.42	1.46
30	1.99	1.60	1.36	1.17	1.03	1.00	1.03	1.17	1.36	1.60	1.99	2.14
50	2.35	1.73	1.44	1.12	.93	.87	.93	1.12	1.44	1.73	2.35	2.64
70	2.48	1.81	1.35	.94	.74	.66	.74	.94	1.35	1.81	2.48	2.78
90	2.51	1.61	1.13	.61	.44	.36	.44	.61	1.13	1.61	2.51	2.78

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H \cdot \text{RATIO}$) (Continued)

NORTH OMAHA, NEBRASKA

(LAT=41.37DEG)

		R A T I O											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TILT	ANGLE	-----											
10		1.31	1.20	1.12	1.05	1.02	1.00	1.02	1.05	1.12	1.20	1.31	1.37
30		1.76	1.48	1.25	1.08	.96	.93	.96	1.08	1.25	1.48	1.76	1.92
50		2.02	1.61	1.27	.99	.85	.80	.85	.99	1.27	1.61	2.02	2.25
70		2.07	1.57	1.16	.80	.64	.58	.64	.80	1.16	1.57	2.07	2.36
90		1.92	1.36	.91	.51	.36	.29	.36	.51	.91	1.36	1.92	2.23

RAPID CITY, SOUTH DAKOTA

(LAT=44.05DEG)

		R A T I O											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TILT	ANGLE	-----											
10		1.34	1.21	1.13	1.06	1.03	1.01	1.03	1.06	1.13	1.21	1.34	1.40
30		1.85	1.53	1.29	1.11	.99	.96	.99	1.11	1.29	1.53	1.85	2.01
50		2.15	1.68	1.33	1.04	.88	.83	.88	1.04	1.33	1.68	2.15	2.39
70		2.23	1.66	1.23	.85	.68	.61	.68	.85	1.23	1.66	2.23	2.53
90		2.09	1.46	.98	.55	.39	.32	.39	.55	.98	1.46	2.09	2.43

SIOUX FALLS, SOUTH DAKOTA

(LAT=43.57DEG)

		R A T I O											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TILT	ANGLE	-----											
10		1.33	1.21	1.13	1.06	1.02	1.00	1.02	1.06	1.13	1.21	1.33	1.39
30		1.83	1.52	1.29	1.10	.99	.96	.99	1.10	1.29	1.52	1.83	1.99
50		2.12	1.66	1.32	1.03	.87	.82	.87	1.03	1.32	1.66	2.12	2.37
70		2.20	1.64	1.21	.84	.67	.60	.67	.84	1.21	1.64	2.20	2.50
90		2.06	1.45	.97	.55	.38	.32	.38	.55	.97	1.45	2.06	2.39

SPRINGFIELD, ILLINOIS

(LAT=39.83DEG)

		R A T I O											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TILT	ANGLE	-----											
10		1.29	1.19	1.11	1.04	1.01	.99	1.01	1.04	1.11	1.19	1.29	1.35
30		1.71	1.46	1.23	1.06	.95	.92	.95	1.06	1.23	1.46	1.71	1.87
50		1.95	1.57	1.24	.97	.83	.78	.83	.97	1.24	1.57	1.95	2.17
70		1.98	1.51	1.12	.78	.62	.56	.62	.78	1.12	1.51	1.98	2.26
90		1.82	1.30	.87	.49	.34	.28	.34	.49	.87	1.30	1.82	2.12

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H \cdot \text{RATIO}$) (Concluded)

SPRINGFIELD, MISSOURI

(LAT=37.23DEG)

TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.26	1.17	1.10	1.03	1.00	.98	1.00	1.03	1.10	1.17	1.26	1.31
30	1.63	1.42	1.20	1.04	.93	.90	.93	1.04	1.20	1.42	1.63	1.77
50	1.82	1.50	1.20	.94	.80	.75	.80	.94	1.20	1.50	1.82	2.03
70	1.82	1.44	1.06	.74	.58	.53	.58	.74	1.06	1.44	1.82	2.08
90	1.65	1.22	.81	.44	.28	.24	.28	.44	.81	1.22	1.65	1.91

WICHITA, KANSAS

(LAT=37.65DEG)

TILT ANGLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10	1.26	1.18	1.10	1.04	1.01	.99	1.01	1.04	1.10	1.18	1.26	1.32
30	1.64	1.42	1.21	1.04	.94	.90	.94	1.04	1.21	1.42	1.64	1.79
50	1.84	1.51	1.20	.94	.80	.75	.80	.94	1.20	1.51	1.84	2.05
70	1.85	1.45	1.07	.74	.59	.53	.59	.74	1.07	1.45	1.85	2.11
90	1.68	1.23	.82	.45	.29	.25	.29	.45	.82	1.23	1.68	1.94

Appendix C

JOINT PROBABILITY DISTRIBUTION TABLES

Joint probability distribution data are presented in this appendix for insolation and wind-day, and for insolation and wind-total. The number of days of joint solar and wind occurrences, out of the total number of observations for each month, are presented for several intervals each of insolation and wind power. These data, showing the proportion of days that have wind power and insolation within defined intervals, are presented in the following tables. The stations are listed alphabetically.

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TABLE C-1. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- BISMARCK, NORTH DAKOTA

JAN		TOT OBS=711	FEB		TOT OBS=647	MAR		TOT OBS=713
>360-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		1: 0: 0: 0: 0: 0: 0: 0: 0:	
S 240-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		143: 54: 11: 6: 5: 3: 2: 0:	
O 180-	0: 0: 0: 0: 0: 0: 0: 0: 0:		118: 19: 4: 1: 2: 0: 0: 0: 0:		118: 19: 4: 1: 2: 0: 0: 0: 0:		177: 52: 23: 14: 2: 2: 0: 1:	
L 120-	310: 39: 10: 1: 0: 0: 0: 0: 0:		329: 45: 13: 4: 1: 0: 0: 0: 0:		329: 45: 13: 4: 1: 0: 0: 0: 0:		101: 35: 16: 5: 3: 0: 1: 0:	
60-	283: 44: 16: 4: 4: 0: 0: 0: 0:		86: 11: 9: 2: 2: 1: 0: 0: 0:		86: 11: 9: 2: 2: 1: 0: 0: 0:		26: 17: 4: 4: 1: 1: 1: 2:	
0-								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=689	MAY		TOT OBS=713	JUN		TOT OBS=690
>360-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		5: 2: 1: 0: 1: 0: 0: 0: 0:	
I 360-	6: 7: 1: 0: 0: 0: 0: 0: 0:		147: 61: 30: 7: 4: 1: 0: 0: 0:		147: 61: 30: 7: 4: 1: 0: 0: 0:		227: 72: 19: 11: 4: 0: 0: 0: 0:	
N 300-	132: 55: 29: 7: 6: 0: 3: 1: 1:		78: 60: 21: 15: 6: 4: 2: 1: 1:		78: 60: 21: 15: 6: 4: 2: 1: 1:		88: 32: 11: 4: 1: 2: 0: 0: 0:	
S 240-	72: 30: 22: 10: 5: 1: 2: 1: 1:		44: 24: 17: 7: 4: 2: 1: 0: 0:		44: 24: 17: 7: 4: 2: 1: 0: 0:		48: 17: 6: 3: 0: 0: 0: 0: 0:	
O 180-	57: 32: 25: 8: 4: 0: 1: 2: 2:		28: 18: 9: 2: 0: 1: 1: 1: 1:		28: 18: 9: 2: 0: 1: 1: 1: 1:		37: 22: 6: 1: 0: 0: 0: 0: 0:	
L 120-	39: 28: 17: 5: 7: 1: 0: 2: 2:		28: 27: 13: 3: 1: 0: 0: 1: 1:		28: 27: 13: 3: 1: 0: 0: 1: 1:		36: 16: 2: 2: 0: 0: 0: 0: 0:	
60-	33: 18: 12: 4: 1: 1: 2: 0: 0:		12: 17: 8: 6: 1: 0: 0: 0: 0:		12: 17: 8: 6: 1: 0: 0: 0: 0:		5: 7: 0: 1: 0: 1: 0: 0: 0:	
0-								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=743	AUG		TOT OBS=744	SEP		TOT OBS=720
>360-	3: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360-	302: 66: 28: 5: 0: 0: 0: 0: 0:		81: 18: 7: 2: 0: 0: 0: 0: 0:		81: 18: 7: 2: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300-	121: 49: 15: 1: 0: 0: 0: 0: 0:		292: 67: 19: 3: 3: 0: 0: 0: 0:		292: 67: 19: 3: 3: 0: 0: 0: 0:		59: 17: 6: 2: 0: 0: 0: 0: 0:	
S 240-	59: 16: 3: 3: 0: 0: 0: 0: 0:		94: 31: 11: 0: 0: 0: 0: 0: 0:		94: 31: 11: 0: 0: 0: 0: 0: 0:		222: 79: 25: 5: 1: 2: 0: 0: 0:	
O 180-	36: 7: 1: 0: 0: 0: 0: 0: 0:		35: 18: 3: 1: 1: 1: 0: 0: 0:		35: 18: 3: 1: 1: 1: 0: 0: 0:		89: 46: 16: 6: 3: 2: 0: 0: 0:	
L 120-	17: 5: 1: 0: 0: 0: 0: 0: 0:		32: 9: 3: 0: 0: 0: 0: 1: 0:		32: 9: 3: 0: 0: 0: 0: 1: 0:		59: 19: 8: 1: 1: 1: 1: 1: 1:	
60-	4: 1: 0: 0: 0: 0: 0: 0: 0:		9: 3: 0: 0: 0: 0: 0: 0: 0:		9: 3: 0: 0: 0: 0: 0: 0: 0:		33: 11: 2: 0: 1: 0: 1: 1: 1:	
0-								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=743	NOV		TOT OBS=720	DEC		TOT OBS=713
>360-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300-	0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
S 240-	11: 4: 1: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
O 180-	291: 67: 23: 10: 2: 2: 1: 0: 0:		2: 0: 0: 0: 0: 0: 0: 0: 0:		2: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:	
L 120-	149: 29: 14: 7: 3: 2: 2: 0: 0:		320: 54: 15: 9: 5: 3: 1: 0: 0:		320: 54: 15: 9: 5: 3: 1: 0: 0:		188: 22: 1: 1: 0: 0: 0: 0: 0:	
60-	82: 25: 11: 5: 2: 0: 0: 0: 0:		227: 53: 21: 5: 2: 2: 1: 0: 0:		227: 53: 21: 5: 2: 2: 1: 0: 0:		416: 57: 16: 6: 6: 0: 0: 0: 0:	
0-								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C- 2. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- BISMARCK, NORTH DAKOTA

JAN		TOT OBS=711	FEB		TOT OBS=647	MAR		TOT OBS=713
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	0	0	0	0	0	0	0	0
L 120	226	65	30	16	9	9	2	3
60	161	81	48	19	18	7	7	10
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-TOTAL								
APR		TOT OBS=689	MAY		TOT OBS=713	JUN		TOT OBS=690
>360	0	0	0	0	0	0	0	0
I 360	5	6	2	1	0	0	0	0
N 300	97	63	37	16	7	4	6	3
S 240	48	34	26	11	14	6	1	3
O 180	36	34	25	11	15	4	1	3
L 120	26	21	22	9	7	4	4	6
60	17	18	11	10	5	3	3	4
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-TOTAL								
JUL		TOT OBS=743	AUG		TOT OBS=744	SEP		TOT OBS=720
>360	2	1	0	0	0	0	0	0
I 360	265	89	32	11	3	1	0	0
N 300	106	53	19	8	0	0	0	0
S 240	46	26	4	2	2	1	0	0
O 180	23	19	1	1	0	0	0	0
L 120	11	9	2	1	0	0	0	0
60	2	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-TOTAL								
OCT		TOT OBS=743	NOV		TOT OBS=720	DEC		TOT OBS=713
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	11	4	0	1	0	0	0	0
O 180	229	101	27	18	9	4	5	3
L 120	100	49	21	11	12	5	2	6
60	50	25	20	14	5	6	1	4
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-TOTAL								

TABLE C- 3. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- CHICAGO, ILLINOIS

JAN		TOT OBS=775	FEB		TOT OBS=706	MAR		TOT OBS=774
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	16	1	0	0	0	0	0	0
L 120	328	53	12	5	1	0	0	0
60	287	50	13	7	1	1	0	0
0	0	100	200	300	400	500	600	700
WIND POWER-DAY								
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	27	5	1	0	0	0	0	0
N 300	171	39	18	5	1	3	0	0
S 240	78	37	11	6	4	1	2	1
O 180	87	23	16	9	3	1	4	0
L 120	104	48	13	4	3	1	2	0
60	7	8	3	2	0	2	0	0
0	0	100	200	300	400	500	600	700
WIND POWER-DAY								
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	239	34	2	0	0	0	0	0
N 300	220	21	3	1	0	0	0	0
S 240	100	14	2	0	0	0	0	0
O 180	88	5	1	0	0	0	0	0
L 120	41	3	0	0	0	0	0	0
60	1	0	0	0	0	0	0	0
0	0	100	200	300	400	500	600	700
WIND POWER-DAY								
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=744
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	53	5	0	0	0	0	0	0
O 180	343	59	7	1	1	0	0	0
L 120	160	17	7	2	2	0	0	0
60	97	17	2	2	0	0	0	0
0	0	100	200	300	400	500	600	700
WIND POWER-DAY								

TABLE C- 4. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- CHICAGO, ILLINOIS

JAN		TOT OBS=775		FEB		TOT OBS=706		MAR		TOT OBS=774	
>360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
I 360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
N 300-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
S 240-	0: 0: 0: 0: 0: 0: 0: 0:			16: 5: 1: 1: 2: 2: 0: 0:				16: 6: 5: 1: 1: 0: 0: 0:			
O 180-	7: 6: 4: 0: 0: 0: 0: 0:			109: 71: 30: 22: 10: 4: 1: 2:				113: 79: 34: 15: 7: 8: 3: 0:			
L 120-	184: 105: 56: 30: 11: 5: 4: 4:			93: 66: 29: 13: 4: 5: 4: 3:				64: 52: 26: 12: 5: 4: 4: 6:			
60-	169: 91: 41: 25: 12: 4: 8: 9:			95: 62: 19: 14: 15: 5: 1: 2:				85: 51: 32: 17: 10: 4: 5: 5:			
0-								33: 36: 17: 6: 4: 1: 2: 3:			
0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700		
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
APR		TOT OBS=750		MAY		TOT OBS=775		JUN		TOT OBS=750	
>360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
I 360-	21: 9: 2: 1: 0: 0: 0: 0:			171: 50: 23: 6: 5: 2: 1: 0:				257: 63: 12: 4: 3: 0: 1: 0:			
N 300-	125: 68: 18: 12: 7: 4: 0: 3:			86: 53: 23: 4: 1: 2: 1: 0:				117: 37: 16: 5: 2: 0: 0: 0:			
S 240-	55: 34: 27: 11: 5: 3: 1: 4:			46: 32: 11: 6: 2: 0: 0: 0:				69: 33: 2: 4: 1: 0: 0: 0:			
O 180-	53: 39: 18: 12: 9: 3: 3: 6:			62: 42: 12: 7: 4: 2: 1: 0:				55: 15: 5: 1: 0: 0: 0: 0:			
L 120-	64: 52: 31: 16: 3: 3: 2: 4:			68: 25: 12: 5: 3: 1: 0: 1:				29: 12: 4: 3: 0: 0: 0: 0:			
60-	4: 5: 5: 3: 1: 1: 1: 2:			1: 1: 1: 2: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
0-											
0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700		
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
JUL		TOT OBS=775		AUG		TOT OBS=775		SEP		TOT OBS=750	
>360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
I 360-	225: 41: 7: 2: 0: 0: 0: 0:			17: 1: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
N 300-	203: 35: 3: 3: 0: 1: 0: 0:			341: 48: 10: 1: 0: 0: 0: 0:				63: 8: 1: 0: 0: 0: 0: 0:			
S 240-	92: 21: 2: 1: 0: 0: 0: 0:			156: 33: 3: 2: 0: 0: 0: 0:				274: 68: 13: 5: 3: 0: 0: 1:			
O 180-	76: 15: 3: 0: 0: 0: 0: 0:			71: 17: 2: 1: 0: 0: 0: 0:				101: 42: 10: 5: 1: 0: 0: 0:			
L 120-	33: 9: 2: 0: 0: 0: 0: 0:			59: 8: 2: 1: 1: 0: 0: 0:				91: 23: 12: 4: 1: 1: 0: 0:			
60-	0: 1: 0: 0: 0: 0: 0: 0:			0: 1: 0: 0: 0: 0: 0: 0:				16: 4: 3: 1: 1: 0: 0: 0:			
0-											
0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700		
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=744	
>360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
I 360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
N 300-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
S 240-	41: 14: 3: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
O 180-	259: 102: 33: 11: 4: 1: 0: 1:			38: 16: 9: 1: 0: 0: 0: 1:				0: 0: 0: 0: 0: 0: 0: 0:			
L 120-	109: 45: 15: 11: 3: 1: 3: 1:			195: 95: 45: 14: 9: 5: 3: 4:				144: 84: 40: 9: 5: 5: 2: 2:			
60-	61: 33: 14: 6: 1: 1: 2: 0:			138: 81: 43: 20: 12: 6: 5: 10:				200: 141: 52: 31: 11: 6: 4: 8:			
0-											
0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700			0	100 200 300 400 500 600 700 >700		
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			

TABLE C- 5. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- CLEVELAND, OHIO

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=774	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
M 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	0	0	0	0	0	0	0	0	
L 120	193	44	17	7	2	1	0	0	
60	353	115	29	11	1	2	0	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY									
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=749	
>360	0	0	0	0	0	0	0	0	
I 360	3	0	0	0	0	0	0	0	
M 300	169	31	7	4	0	1	0	0	
S 240	96	37	9	3	1	0	0	0	
O 180	94	43	17	6	4	2	0	0	
L 120	90	59	21	7	4	4	0	0	
60	21	7	4	3	2	0	1	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY									
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750	
>360	0	0	0	0	0	0	0	0	
I 360	117	5	0	0	0	0	0	0	
M 300	299	29	2	0	0	0	0	0	
S 240	143	24	4	0	0	0	0	0	
O 180	80	16	1	0	0	0	0	0	
L 120	47	5	1	0	0	0	0	0	
60	2	0	0	0	0	0	0	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY									
OCT		TOT OBS=775	NOV		TOT OBS=741	DEC		TOT OBS=742	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
M 300	0	0	0	0	0	0	0	0	
S 240	40	8	0	0	0	0	0	0	
O 180	308	42	7	1	0	0	0	0	
L 120	177	42	6	1	0	0	0	0	
60	122	19	0	1	1	0	0	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY									

TABLE C- 6. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- CLEVELAND, OHIO

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=774	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	0	0	0	0	0	0	0	0	
L 120	0	0	0	0	0	0	0	0	
60	117	74	31	16	12	7	2	5	
0	184	140	88	39	32	12	9	7	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=749	
>360	0	0	0	0	0	0	0	0	
I 360	3	0	0	0	0	0	0	0	
N 300	145	45	10	7	3	0	1	1	
S 240	68	47	18	6	4	3	0	0	
O 180	70	40	27	15	4	3	4	3	
L 120	57	54	36	16	8	6	3	5	
60	14	10	4	3	4	1	1	1	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750	
>360	0	0	0	0	0	0	0	0	
I 360	113	9	0	0	0	0	0	0	
N 300	286	39	5	0	0	0	0	0	
S 240	125	37	8	1	0	0	0	0	
O 180	66	27	4	0	0	0	0	0	
L 120	43	8	1	0	1	0	0	0	
60	1	1	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
OCT		TOT OBS=775	NOV		TOT OBS=741	DEC		TOT OBS=742	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	31	14	3	0	0	0	0	0	
O 180	254	76	22	5	0	0	0	1	
L 120	123	61	30	7	4	1	0	0	
60	78	44	14	2	3	0	1	1	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									

TABLE C- 7. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- COLUMBIA, MISSOURI

JAN		TOT OBS=711		FEB		TOT OBS=648		MAR		TOT OBS=708	
>360	0	0	0	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0	0	0	0
O 180	97	11	2	0	0	0	0	0	0	0	0
L 120	303	36	6	2	1	0	0	0	0	0	0
60	220	29	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY											
APR		TOT OBS=687		MAY		TOT OBS=712		JUN		TOT OBS=662	
>360	0	0	0	0	0	0	0	0	0	0	0
I 360	49	10	1	1	1	0	0	0	0	0	0
N 300	169	56	14	4	1	2	1	0	0	0	0
S 240	64	37	5	2	1	0	0	0	0	0	0
O 180	71	23	7	3	2	0	0	0	0	0	0
L 120	64	27	11	4	1	0	0	0	0	0	0
60	31	16	8	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY											
JUL		TOT OBS=741		AUG		TOT OBS=741		SEP		TOT OBS=719	
>360	8	0	0	0	0	0	0	0	0	0	0
I 360	345	7	0	0	0	0	0	0	0	0	0
N 300	197	6	0	0	0	0	0	0	0	0	0
S 240	93	3	0	0	0	0	0	0	0	0	0
O 180	52	0	1	0	0	0	0	0	0	0	0
L 120	26	0	0	0	0	0	0	0	0	0	0
60	3	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY											
OCT		TOT OBS=741		NOV		TOT OBS=716		DEC		TOT OBS=711	
>360	0	0	0	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0	0	0	0
S 240	224	13	2	0	0	0	0	0	0	0	0
O 180	262	19	3	0	1	0	0	0	0	0	0
L 120	99	11	2	0	1	0	0	0	0	0	0
60	96	8	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY											

TABLE C- 8. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- COLUMBIA, MISSOURI

JAN		TOT OBS=711	FEB		TOT OBS=648	MAR		TOT OBS=708	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	69	29	6	6	0	0	0	0	
L 120	216	83	29	10	5	3	0	2	
60	140	64	25	17	4	1	1	1	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
APR		TOT OBS=687	MAY		TOT OBS=712	JUN		TOT OBS=662	
>360	0	0	0	0	0	0	0	0	
I 360	39	14	5	3	1	0	0	0	
N 300	122	89	15	11	4	3	1	2	
S 240	48	35	14	8	3	0	1	0	
O 180	42	35	18	6	2	2	0	1	
L 120	42	73	14	11	4	2	1	0	
60	19	16	14	4	1	1	0	1	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
JUL		TOT OBS=741	AUG		TOT OBS=741	SEP		TOT OBS=719	
>360	8	0	0	0	0	0	0	0	
I 360	332	18	1	1	0	0	0	0	
N 300	187	15	1	0	0	0	0	0	
S 240	85	11	0	0	0	0	0	0	
O 180	50	2	1	0	0	0	0	0	
L 120	26	0	0	0	0	0	0	0	
60	3	0	0	0	0	0	0	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
OCT		TOT OBS=741	NOV		TOT OBS=716	DEC		TOT OBS=711	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	206	28	5	0	0	0	0	0	
O 180	221	53	6	3	1	1	0	0	
L 120	76	20	10	4	2	0	0	1	
60	66	30	7	1	0	0	0	0	
0									
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									

TABLE C- 9. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- DAYTON, OHIO

JAN		TOT OBS=772	FEB		TOT OBS=705	MAR		TOT OBS=771
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	14	4	0	0	1	0	0	0
L 120	282	62	11	6	1	0	0	0
60	305	69	8	8	0	1	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
APR		TOT OBS=749	MAY		TOT OBS=772	JUN		TOT OBS=746
>360	0	0	0	0	0	0	0	0
I 360	7	1	0	0	0	0	0	0
N 300	185	37	10	5	2	0	0	0
S 240	100	34	9	3	4	1	0	0
O 180	72	44	10	1	2	2	0	0
L 120	115	51	17	6	3	3	0	0
60	16	4	4	0	0	0	1	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
JUL		TOT OBS=773	AUG		TOT OBS=774	SEP		TOT OBS=749
>360	0	0	0	0	0	0	0	0
I 360	101	7	0	0	0	0	0	0
N 300	309	23	1	0	0	0	0	0
S 240	149	15	0	0	0	0	0	0
O 180	109	9	1	0	0	0	0	0
L 120	47	1	0	0	0	0	0	0
60	1	0	0	0	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
OCT		TOT OBS=774	NOV		TOT OBS=750	DEC		TOT OBS=739
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	101	5	2	0	0	0	0	0
O 180	334	28	3	1	0	0	0	0
L 120	175	16	3	0	0	0	0	0
60	91	11	4	0	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								

TABLE C-10. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- DAYTON, OHIO

JAN		TOT OBS=772	FEB		TOT OBS=705	MAR		TOT OBS=771
>360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
I 360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
N 300	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
S 240	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		13: 2: 0: 0: 0: 0: 0: 0:	
O 180	9: 5: 3: 1: 0: 0: 1: 0:		0: 0: 1: 0: 0: 0: 0: 0:		0: 0: 1: 0: 0: 0: 0: 0:		115: 56: 29: 10: 4: 5: 0: 0:	
L 120	181: 101: 41: 23: 8: 3: 1: 4:		136: 59: 27: 12: 9: 1: 0: 3:		136: 59: 27: 12: 9: 1: 0: 3:		81: 49: 22: 13: 6: 3: 0: 3:	
60	195: 91: 49: 27: 18: 6: 0: 5:		108: 59: 31: 13: 9: 5: 1: 4:		108: 59: 31: 13: 9: 5: 1: 4:		103: 71: 36: 22: 9: 5: 1: 6:	
0	0: 0: 0: 0: 0: 0: 0: 0:		88: 70: 30: 17: 10: 5: 2: 5:		88: 70: 30: 17: 10: 5: 2: 5:		41: 22: 14: 14: 6: 2: 3: 5:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=749	MAY		TOT OBS=772	JUN		TOT OBS=746
>360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
I 360	6: 2: 0: 0: 0: 0: 0: 0:		117: 25: 3: 3: 1: 0: 0: 0:		117: 25: 3: 3: 1: 0: 0: 0:		180: 19: 4: 0: 1: 0: 0: 0:	
N 300	155: 53: 17: 7: 4: 1: 2: 0:		172: 48: 10: 5: 0: 1: 0: 0:		172: 48: 10: 5: 0: 1: 0: 0:		189: 43: 6: 2: 2: 0: 0: 0:	
S 240	76: 43: 17: 7: 2: 2: 3: 1:		83: 34: 11: 6: 0: 0: 0: 0:		83: 34: 11: 6: 0: 0: 0: 0:		114: 25: 6: 1: 0: 0: 0: 0:	
O 180	51: 37: 24: 11: 3: 2: 3: 0:		83: 39: 12: 7: 0: 0: 0: 0:		83: 39: 12: 7: 0: 0: 0: 0:		76: 27: 4: 2: 0: 0: 0: 0:	
L 120	77: 54: 29: 15: 11: 4: 3: 2:		67: 26: 8: 2: 0: 0: 0: 0:		67: 26: 8: 2: 0: 0: 0: 0:		26: 15: 2: 0: 0: 0: 0: 0:	
60	11: 7: 2: 1: 3: 0: 0: 1:		5: 4: 0: 0: 0: 0: 0: 0:		5: 4: 0: 0: 0: 0: 0: 0:		1: 0: 0: 1: 0: 0: 0: 0:	
0	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=773	AUG		TOT OBS=774	SEP		TOT OBS=749
>360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
I 360	100: 8: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
N 300	297: 33: 3: 0: 0: 0: 0: 0:		343: 19: 1: 0: 0: 0: 0: 0:		343: 19: 1: 0: 0: 0: 0: 0:		47: 0: 0: 0: 0: 0: 0: 0:	
S 240	139: 24: 1: 0: 0: 0: 0: 0:		189: 21: 3: 1: 0: 0: 0: 0:		189: 21: 3: 1: 0: 0: 0: 0:		341: 30: 3: 0: 0: 0: 0: 0:	
O 180	103: 12: 2: 2: 0: 0: 0: 0:		110: 15: 4: 3: 0: 0: 0: 0:		110: 15: 4: 3: 0: 0: 0: 0:		123: 23: 5: 2: 1: 0: 0: 0:	
L 120	45: 2: 1: 0: 0: 0: 0: 0:		56: 5: 1: 1: 0: 0: 0: 0:		56: 5: 1: 1: 0: 0: 0: 0:		120: 24: 3: 1: 0: 0: 0: 0:	
60	1: 0: 0: 0: 0: 0: 0: 0:		2: 0: 0: 0: 0: 0: 0: 0:		2: 0: 0: 0: 0: 0: 0: 0:		17: 7: 2: 0: 0: 0: 0: 0:	
0	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=774	NOV		TOT OBS=750	DEC		TOT OBS=739
>360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
I 360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
N 300	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
S 240	92: 14: 1: 1: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
O 180	294: 58: 9: 3: 1: 1: 0: 0:		50: 14: 2: 2: 0: 0: 0: 0:		50: 14: 2: 2: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
L 120	141: 38: 13: 2: 0: 0: 0: 0:		220: 86: 37: 13: 6: 1: 1: 1:		220: 86: 37: 13: 6: 1: 1: 1:		157: 77: 36: 11: 9: 3: 2: 1:	
60	65: 27: 9: 2: 2: 1: 0: 0:		145: 85: 47: 16: 13: 3: 3: 5:		145: 85: 47: 16: 13: 3: 3: 5:		226: 113: 59: 29: 8: 5: 1: 2:	
0	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-11. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- DES MOINES, IOWA

JAN		TOT OBS=774		FEB		TOT OBS=707		MAR		TOT OBS=770		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	28	15	1	1	
S 240	0	0	0	0	0	0	0	187	65	23	9	
O 180	35	6	2	0	0	0	0	80	48	17	6	
L 120	341	69	24	6	2	2	0	112	43	18	6	
60	227	38	13	4	4	1	0	41	18	9	5	
0	0	0	0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=748		MAY		TOT OBS=775		JUN		TOT OBS=750		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	34	18	5	4	1	1	0	313	85	18	1	
N 300	149	78	24	20	6	3	1	85	28	9	2	
S 240	56	28	12	5	2	0	1	71	20	3	2	
O 180	51	32	19	7	1	1	2	49	16	5	1	
L 120	72	50	14	7	5	2	0	28	8	0	0	
60	14	8	3	0	0	0	0	2	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=774		AUG		TOT OBS=774		SEP		TOT OBS=750		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	358	41	5	1	0	0	0	0	0	0	0	
N 300	158	20	0	1	1	0	0	168	26	4	1	
S 240	87	10	0	0	0	0	0	239	35	4	1	
O 180	53	6	0	0	0	0	0	95	8	5	0	
L 120	31	2	0	0	0	0	0	125	13	1	0	
60	0	0	0	0	0	0	0	21	3	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=763		NOV		TOT OBS=749		DEC		TOT OBS=742		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	0	0	0	
S 240	139	32	9	3	0	0	0	0	0	0	0	
O 180	272	55	10	2	2	0	0	0	0	0	0	
L 120	129	25	7	5	0	0	0	318	49	16	8	
60	59	9	3	2	0	0	0	282	56	6	3	
0	0	0	0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-12. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- DES MOINES, IOWA

JAN		TOT OBS=774	FEB		TOT OBS=707	MAR		TOT OBS=770	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
M 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	0	0	0	0	0	0	0	0	
L 120	21	14	4	1	1	0	2	0	
60	217	125	42	23	16	13	2	6	
0	137	76	27	20	10	6	3	8	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
APR		TOT OBS=746	MAY		TOT OBS=775	JUN		TOT OBS=750	
>360	0	0	0	0	0	0	0	0	
I 360	28	19	7	5	2	1	1	0	
M 300	117	65	53	21	16	5	3	4	
S 240	40	26	18	7	9	4	1	1	
O 180	33	28	19	16	11	4	1	3	
L 120	28	63	28	8	14	6	3	3	
60	6	12	4	2	3	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
JUL		TOT OBS=774	AUG		TOT OBS=774	SEP		TOT OBS=750	
>360	0	0	0	0	0	0	0	0	
I 360	334	61	7	3	0	0	0	0	
M 300	139	34	5	1	0	1	0	0	
S 240	75	20	2	0	0	0	0	0	
O 180	48	10	1	0	0	0	0	0	
L 120	28	5	0	0	0	0	0	0	
60	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
OCT		TOT OBS=763	NOV		TOT OBS=749	DEC		TOT OBS=742	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
M 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	116	40	16	7	3	1	0	0	
L 120	206	98	22	9	4	1	0	1	
60	100	35	16	6	3	4	1	1	
0	41	16	9	1	3	1	2	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									

TABLE C-13. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- DODGE CITY, KANSAS

JAN		TOT OBS=712		FEB		TOT OBS=649		MAR		TOT OBS=713	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 74: 48: 21: 9: 6: 0: 2: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:			: 105: 32: 14: 1: 2: 0: 0: 0:				: 137: 84: 42: 16: 5: 5: 5: 2:			
O 180	: 181: 45: 9: 1: 2: 0: 0: 0:			: 187: 87: 24: 12: 8: 6: 2: 0:				: 45: 24: 16: 9: 7: 2: 4: 3:			
L 120	: 255: 78: 17: 13: 7: 0: 0: 0:			: 60: 18: 12: 5: 4: 1: 2: 0:				: 35: 17: 8: 6: 3: 4: 5: 3:			
60	: 71: 18: 7: 6: 2: 0: 0: 0:			: 43: 13: 5: 2: 1: 1: 2: 0:				: 32: 16: 5: 5: 2: 1: 2: 1:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
APR		TOT OBS=689		MAY		TOT OBS=713		JUN		TOT OBS=690	
>360	: 0: 0: 1: 0: 0: 0: 0: 0:			: 11: 1: 2: 1: 1: 0: 0: 0:				: 46: 31: 17: 5: 1: 0: 0: 0:			
I 360	: 101: 53: 12: 13: 4: 5: 1: 0:			: 170: 111: 54: 21: 15: 7: 2: 0:				: 167: 109: 52: 26: 12: 1: 4: 2:			
N 300	: 94: 62: 37: 25: 18: 10: 2: 2:			: 47: 31: 17: 11: 4: 1: 2: 1:				: 48: 38: 15: 10: 2: 2: 1: 0:			
S 240	: 33: 23: 19: 14: 7: 2: 3: 1:			: 36: 28: 7: 7: 1: 2: 2: 0:				: 24: 13: 7: 2: 0: 1: 0: 0:			
O 180	: 27: 11: 11: 6: 4: 3: 3: 0:			: 25: 16: 3: 3: 3: 1: 0: 1:				: 22: 9: 0: 2: 0: 0: 0: 0:			
L 120	: 23: 14: 8: 4: 3: 2: 1: 1:			: 27: 17: 3: 2: 1: 0: 0: 0:				: 9: 6: 2: 0: 0: 0: 0: 0:			
60	: 9: 5: 5: 4: 1: 2: 0: 0:			: 8: 7: 3: 1: 0: 0: 0: 1:				: 2: 2: 0: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
JUL		TOT OBS=743		AUG		TOT OBS=744		SEP		TOT OBS=720	
>360	: 7: 5: 4: 1: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 261: 144: 46: 16: 6: 1: 2: 0:			: 159: 71: 14: 2: 2: 0: 0: 0:				: 0: 1: 0: 0: 0: 0: 0: 0:			
N 300	: 89: 30: 15: 5: 0: 0: 0: 0:			: 188: 92: 32: 2: 3: 1: 0: 0:				: 210: 113: 48: 12: 5: 2: 2: 0:			
S 240	: 46: 16: 2: 1: 0: 0: 0: 0:			: 65: 20: 5: 1: 0: 0: 0: 0:				: 89: 47: 17: 9: 2: 0: 0: 0:			
O 180	: 22: 3: 2: 0: 0: 0: 0: 0:			: 40: 11: 1: 0: 0: 0: 0: 0:				: 46: 18: 6: 2: 2: 0: 1: 0:			
L 120	: 12: 4: 0: 0: 1: 0: 0: 0:			: 22: 4: 0: 0: 0: 0: 0: 0:				: 34: 10: 4: 0: 0: 0: 1: 0:			
60	: 1: 1: 0: 0: 0: 0: 0: 0:			: 6: 2: 1: 0: 0: 0: 0: 0:				: 28: 8: 2: 1: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
OCT		TOT OBS=743		NOV		TOT OBS=719		DEC		TOT OBS=710	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 247: 101: 27: 10: 3: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 129: 48: 19: 9: 3: 1: 1: 0:			: 286: 89: 35: 15: 6: 1: 1: 0:				: 15: 3: 3: 0: 0: 0: 0: 0:			
L 120	: 46: 22: 9: 2: 2: 0: 0: 0:			: 97: 43: 13: 10: 9: 2: 1: 0:				: 418: 79: 20: 14: 4: 0: 0: 0:			
60	: 38: 15: 7: 3: 0: 1: 0: 0:			: 73: 23: 12: 2: 0: 1: 0: 0:				: 98: 44: 8: 2: 2: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			

TABLE C-14. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- DODGE CITY, KANSAS

JAN		TOT OBS=712		FEB		TOT OBS=649		MAR		TOT OBS=713							
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
I 360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
N 300-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	38: 47: 26: 27: 6: 6: 5: 5:	38: 47: 26: 27: 6: 6: 5: 5:	38: 47: 26: 27: 6: 6: 5: 5:	38: 47: 26: 27: 6: 6: 5: 5:						
S 240-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	47: 59: 23: 13: 8: 2: 1: 1:	47: 59: 23: 13: 8: 2: 1: 1:	47: 59: 23: 13: 8: 2: 1: 1:	65: 91: 61: 26: 20: 12: 6: 17:	65: 91: 61: 26: 20: 12: 6: 17:	65: 91: 61: 26: 20: 12: 6: 17:	65: 91: 61: 26: 20: 12: 6: 17:						
O 180-	95: 81: 37: 9: 9: 3: 2: 2:	95: 81: 37: 9: 9: 3: 2: 2:	95: 81: 37: 9: 9: 3: 2: 2:	95: 81: 37: 9: 9: 3: 2: 2:	93: 95: 65: 25: 12: 14: 5: 17:	93: 95: 65: 25: 12: 14: 5: 17:	93: 95: 65: 25: 12: 14: 5: 17:	18: 23: 16: 18: 9: 7: 5: 14:	18: 23: 16: 18: 9: 7: 5: 14:	18: 23: 16: 18: 9: 7: 5: 14:	18: 23: 16: 18: 9: 7: 5: 14:						
L 120-	124: 97: 61: 40: 18: 9: 6: 15:	124: 97: 61: 40: 18: 9: 6: 15:	124: 97: 61: 40: 18: 9: 6: 15:	124: 97: 61: 40: 18: 9: 6: 15:	31: 26: 10: 6: 13: 5: 2: 9:	31: 26: 10: 6: 13: 5: 2: 9:	31: 26: 10: 6: 13: 5: 2: 9:	20: 17: 15: 4: 5: 3: 4: 13:	20: 17: 15: 4: 5: 3: 4: 13:	20: 17: 15: 4: 5: 3: 4: 13:	20: 17: 15: 4: 5: 3: 4: 13:						
60-	30: 27: 18: 11: 3: 4: 2: 9:	30: 27: 18: 11: 3: 4: 2: 9:	30: 27: 18: 11: 3: 4: 2: 9:	30: 27: 18: 11: 3: 4: 2: 9:	20: 21: 9: 3: 5: 5: 0: 4:	20: 21: 9: 3: 5: 5: 0: 4:	20: 21: 9: 3: 5: 5: 0: 4:	7: 24: 10: 6: 3: 5: 5: 4:	7: 24: 10: 6: 3: 5: 5: 4:	7: 24: 10: 6: 3: 5: 5: 4:	7: 24: 10: 6: 3: 5: 5: 4:						
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL					
APR		TOT OBS=689		MAY		TOT OBS=713		JUN		TOT OBS=690							
>360-	0: 0: 0: 1: 0: 0: 0: 0:	0: 0: 0: 1: 0: 0: 0: 0:	0: 0: 0: 1: 0: 0: 0: 0:	5: 7: 2: 0: 1: 0: 1: 0:	5: 7: 2: 0: 1: 0: 1: 0:	5: 7: 2: 0: 1: 0: 1: 0:	5: 7: 2: 0: 1: 0: 1: 0:	27: 35: 18: 13: 6: 0: 0: 1:	27: 35: 18: 13: 6: 0: 0: 1:	27: 35: 18: 13: 6: 0: 0: 1:	27: 35: 18: 13: 6: 0: 0: 1:						
I 360-	46: 65: 30: 21: 10: 6: 6: 5:	46: 65: 30: 21: 10: 6: 6: 5:	46: 65: 30: 21: 10: 6: 6: 5:	84: 116: 75: 42: 28: 17: 9: 9:	84: 116: 75: 42: 28: 17: 9: 9:	84: 116: 75: 42: 28: 17: 9: 9:	84: 116: 75: 42: 28: 17: 9: 9:	95: 102: 79: 45: 29: 8: 8: 7:	95: 102: 79: 45: 29: 8: 8: 7:	95: 102: 79: 45: 29: 8: 8: 7:	95: 102: 79: 45: 29: 8: 8: 7:						
N 300-	44: 55: 40: 37: 22: 21: 13: 18:	44: 55: 40: 37: 22: 21: 13: 18:	44: 55: 40: 37: 22: 21: 13: 18:	27: 22: 24: 20: 7: 6: 4: 4:	27: 22: 24: 20: 7: 6: 4: 4:	27: 22: 24: 20: 7: 6: 4: 4:	27: 22: 24: 20: 7: 6: 4: 4:	27: 34: 15: 22: 9: 3: 2: 4:	27: 34: 15: 22: 9: 3: 2: 4:	27: 34: 15: 22: 9: 3: 2: 4:	27: 34: 15: 22: 9: 3: 2: 4:						
S 240-	17: 20: 18: 16: 8: 9: 3: 11:	17: 20: 18: 16: 8: 9: 3: 11:	17: 20: 18: 16: 8: 9: 3: 11:	19: 21: 15: 12: 7: 2: 2: 3:	19: 21: 15: 12: 7: 2: 2: 3:	19: 21: 15: 12: 7: 2: 2: 3:	19: 21: 15: 12: 7: 2: 2: 3:	10: 15: 14: 2: 3: 0: 1: 2:	10: 15: 14: 2: 3: 0: 1: 2:	10: 15: 14: 2: 3: 0: 1: 2:	10: 15: 14: 2: 3: 0: 1: 2:						
O 180-	16: 10: 11: 6: 7: 5: 2: 8:	16: 10: 11: 6: 7: 5: 2: 8:	16: 10: 11: 6: 7: 5: 2: 8:	10: 17: 12: 4: 4: 0: 2: 3:	10: 17: 12: 4: 4: 0: 2: 3:	10: 17: 12: 4: 4: 0: 2: 3:	10: 17: 12: 4: 4: 0: 2: 3:	13: 11: 6: 2: 1: 0: 0: 0:	13: 11: 6: 2: 1: 0: 0: 0:	13: 11: 6: 2: 1: 0: 0: 0:	13: 11: 6: 2: 1: 0: 0: 0:						
L 120-	14: 9: 11: 6: 4: 4: 4: 4:	14: 9: 11: 6: 4: 4: 4: 4:	14: 9: 11: 6: 4: 4: 4: 4:	12: 18: 12: 5: 0: 2: 0: 1:	12: 18: 12: 5: 0: 2: 0: 1:	12: 18: 12: 5: 0: 2: 0: 1:	12: 18: 12: 5: 0: 2: 0: 1:	5: 5: 5: 2: 0: 0: 0: 0:	5: 5: 5: 2: 0: 0: 0: 0:	5: 5: 5: 2: 0: 0: 0: 0:	5: 5: 5: 2: 0: 0: 0: 0:						
60-	4: 5: 2: 3: 3: 2: 2: 5:	4: 5: 2: 3: 3: 2: 2: 5:	4: 5: 2: 3: 3: 2: 2: 5:	5: 4: 6: 2: 2: 1: 0: 0:	5: 4: 6: 2: 2: 1: 0: 0:	5: 4: 6: 2: 2: 1: 0: 0:	5: 4: 6: 2: 2: 1: 0: 0:	0: 2: 0: 2: 0: 0: 0: 0:	0: 2: 0: 2: 0: 0: 0: 0:	0: 2: 0: 2: 0: 0: 0: 0:	0: 2: 0: 2: 0: 0: 0: 0:						
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL					
JUL		TOT OBS=743		AUG		TOT OBS=744		SEP		TOT OBS=720							
>360-	6: 4: 3: 4: 0: 0: 0: 0:	6: 4: 3: 4: 0: 0: 0: 0:	6: 4: 3: 4: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
I 360-	162: 170: 85: 37: 7: 12: 0: 3:	162: 170: 85: 37: 7: 12: 0: 3:	162: 170: 85: 37: 7: 12: 0: 3:	107: 78: 47: 11: 1: 3: 0: 1:	107: 78: 47: 11: 1: 3: 0: 1:	107: 78: 47: 11: 1: 3: 0: 1:	107: 78: 47: 11: 1: 3: 0: 1:	0: 1: 0: 0: 0: 0: 0: 0:	0: 1: 0: 0: 0: 0: 0: 0:	0: 1: 0: 0: 0: 0: 0: 0:	0: 1: 0: 0: 0: 0: 0: 0:						
N 300-	63: 43: 17: 10: 6: 0: 0: 0:	63: 43: 17: 10: 6: 0: 0: 0:	63: 43: 17: 10: 6: 0: 0: 0:	121: 114: 49: 25: 5: 1: 3: 0:	121: 114: 49: 25: 5: 1: 3: 0:	121: 114: 49: 25: 5: 1: 3: 0:	121: 114: 49: 25: 5: 1: 3: 0:	137: 105: 68: 48: 19: 8: 3: 4:	137: 105: 68: 48: 19: 8: 3: 4:	137: 105: 68: 48: 19: 8: 3: 4:	137: 105: 68: 48: 19: 8: 3: 4:						
S 240-	27: 19: 15: 3: 1: 0: 0: 0:	27: 19: 15: 3: 1: 0: 0: 0:	27: 19: 15: 3: 1: 0: 0: 0:	45: 25: 15: 3: 3: 0: 0: 0:	45: 25: 15: 3: 3: 0: 0: 0:	45: 25: 15: 3: 3: 0: 0: 0:	45: 25: 15: 3: 3: 0: 0: 0:	55: 46: 29: 19: 6: 5: 4: 0:	55: 46: 29: 19: 6: 5: 4: 0:	55: 46: 29: 19: 6: 5: 4: 0:	55: 46: 29: 19: 6: 5: 4: 0:						
O 180-	17: 8: 0: 2: 0: 0: 0: 0:	17: 8: 0: 2: 0: 0: 0: 0:	17: 8: 0: 2: 0: 0: 0: 0:	30: 17: 4: 1: 0: 0: 0: 0:	30: 17: 4: 1: 0: 0: 0: 0:	30: 17: 4: 1: 0: 0: 0: 0:	30: 17: 4: 1: 0: 0: 0: 0:	27: 23: 10: 5: 3: 5: 1: 1:	27: 23: 10: 5: 3: 5: 1: 1:	27: 23: 10: 5: 3: 5: 1: 1:	27: 23: 10: 5: 3: 5: 1: 1:						
L 120-	9: 4: 3: 0: 0: 1: 0: 0:	9: 4: 3: 0: 0: 1: 0: 0:	9: 4: 3: 0: 0: 1: 0: 0:	11: 13: 2: 0: 0: 0: 0: 0:	11: 13: 2: 0: 0: 0: 0: 0:	11: 13: 2: 0: 0: 0: 0: 0:	11: 13: 2: 0: 0: 0: 0: 0:	21: 11: 12: 3: 1: 0: 0: 1:	21: 11: 12: 3: 1: 0: 0: 1:	21: 11: 12: 3: 1: 0: 0: 1:	21: 11: 12: 3: 1: 0: 0: 1:						
60-	1: 0: 1: 0: 0: 0: 0: 0:	1: 0: 1: 0: 0: 0: 0: 0:	1: 0: 1: 0: 0: 0: 0: 0:	6: 0: 3: 0: 0: 0: 0: 0:	6: 0: 3: 0: 0: 0: 0: 0:	6: 0: 3: 0: 0: 0: 0: 0:	6: 0: 3: 0: 0: 0: 0: 0:	16: 13: 5: 4: 1: 0: 0: 0:	16: 13: 5: 4: 1: 0: 0: 0:	16: 13: 5: 4: 1: 0: 0: 0:	16: 13: 5: 4: 1: 0: 0: 0:						
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL					
OCT		TOT OBS=743		NOV		TOT OBS=719		DEC		TOT OBS=710							
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
I 360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
N 300-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
S 240-	153: 108: 64: 33: 19: 7: 1: 3:	153: 108: 64: 33: 19: 7: 1: 3:	153: 108: 64: 33: 19: 7: 1: 3:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
O 180-	72: 56: 35: 23: 8: 8: 3: 5:	72: 56: 35: 23: 8: 8: 3: 5:	72: 56: 35: 23: 8: 8: 3: 5:	161: 126: 60: 43: 21: 14: 3: 5:	161: 126: 60: 43: 21: 14: 3: 5:	161: 126: 60: 43: 21: 14: 3: 5:	161: 126: 60: 43: 21: 14: 3: 5:	12: 4: 2: 1: 0: 1: 0: 1:	12: 4: 2: 1: 0: 1: 0: 1:	12: 4: 2: 1: 0: 1: 0: 1:	12: 4: 2: 1: 0: 1: 0: 1:						
L 120-	20: 30: 13: 11: 2: 4: 0: 1:	20: 30: 13: 11: 2: 4: 0: 1:	20: 30: 13: 11: 2: 4: 0: 1:	55: 40: 26: 18: 11: 7: 10: 8:	55: 40: 26: 18: 11: 7: 10: 8:	55: 40: 26: 18: 11: 7: 10: 8:	55: 40: 26: 18: 11: 7: 10: 8:	181: 194: 75: 32: 25: 10: 9: 9:	181: 194: 75: 32: 25: 10: 9: 9:	181: 194: 75: 32: 25: 10: 9: 9:	181: 194: 75: 32: 25: 10: 9: 9:						
60-	16: 18: 15: 2: 4: 4: 2: 3:	16: 18: 15: 2: 4: 4: 2: 3:	16: 18: 15: 2: 4: 4: 2: 3:	32: 29: 19: 16: 8: 3: 2: 2:	32: 29: 19: 16: 8: 3: 2: 2:	32: 29: 19: 16: 8: 3: 2: 2:	32: 29: 19: 16: 8: 3: 2: 2:	46: 35: 22: 19: 10: 12: 5: 5:	46: 35: 22: 19: 10: 12: 5: 5:	46: 35: 22: 19: 10: 12: 5: 5:	46: 35: 22: 19: 10: 12: 5: 5:						
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:						
0	100	200	300	400													

TABLE C-15. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- FARGO, NORTH DAKOTA

JAN		TOT OBS=775		FEB		TOT OBS=707		MAR		TOT OBS=775								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	4	0	0	0							
S 240	0	0	0	0	0	0	0	150	48	23	9							
O 180	0	0	0	0	0	0	0	147	56	33	6							
L 120	298	50	3	0	1	0	0	109	56	21	9							
60	275	27	30	16	14	1	0	22	18	11	5							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
APR		TOT OBS=750		MAY		TOT OBS=775		JUN		TOT OBS=749								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	15	5	2	1	0	0	0	205	72	33	19							
N 300	145	69	22	15	5	6	3	88	32	19	7							
S 240	55	36	16	16	9	3	0	52	27	15	6							
O 180	57	29	16	11	4	2	2	68	25	10	6							
L 120	65	40	30	16	8	3	2	24	14	4	2							
60	9	7	4	0	1	2	2	0	0	0	0							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
JUL		TOT OBS=775		AUG		TOT OBS=775		SEP		TOT OBS=750								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	297	73	23	7	4	0	0	0	0	0	0							
N 300	124	47	12	3	3	0	0	23	17	5	0							
S 240	73	24	7	2	1	0	0	229	77	36	7							
O 180	40	14	1	1	1	0	0	98	45	13	5							
L 120	14	3	0	0	1	0	0	97	29	17	6							
60	0	0	0	0	0	0	0	15	7	0	3							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=743								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	16	5	4	1	0	1	0	0	0	0	0							
O 180	229	84	41	13	7	3	0	0	0	0	0							
L 120	162	49	24	12	5	3	2	183	18	7	1							
60	63	26	12	7	2	3	1	394	90	34	4							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										

TABLE C-16. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- FARGO, NORTH DAKOTA

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=775	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	0	0	0	0	0	0	0	0	
L 120	160	100	47	25	13	2	3	2	
60	115	89	72	43	29	19	18	38	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=749	
>360	0	0	0	0	0	0	0	0	
I 360	12	6	2	3	0	0	0	0	
N 300	97	77	37	21	12	5	9	11	
S 240	36	29	23	16	16	8	5	5	
O 180	39	22	21	13	10	7	5	6	
L 120	33	44	25	20	21	7	9	10	
60	4	7	6	2	3	0	1	5	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750	
>360	0	0	0	0	0	0	0	0	
I 360	259	85	35	17	6	2	0	0	
N 300	98	58	19	9	2	2	1	0	
S 240	57	32	12	4	1	1	0	0	
O 180	33	15	6	1	1	1	0	0	
L 120	13	3	1	0	0	1	0	0	
60	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=743	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	8	10	5	1	1	1	0	1	
L 120	144	103	60	28	18	9	7	8	
60	99	54	38	27	17	12	3	7	
0	37	24	20	8	6	8	2	9	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
NOV		TOT OBS=750	DEC		TOT OBS=743				
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	0	0	0	0	0	0	0	0	
L 120	134	96	66	28	20	3	6	13	
60	128	94	54	26	27	11	18	26	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									

TABLE C-17. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- FORT WAYNE, INDIANA

JAN		TOT OBS=774		FEB		TOT OBS=704		MAR		TOT OBS=770								
>360-	:	:	:	:	:	:	:	:	:	:	:							
I 360-	:	:	:	:	:	:	:	:	:	:	:							
N 300-	:	:	:	:	:	:	:	:	:	:	:							
S 240-	:	:	:	:	:	:	:	:	:	:	:							
O 180-	:	:	:	:	:	:	:	:	:	:	:							
L 120-	:	:	:	:	:	:	:	:	:	:	:							
60-	:	:	:	:	:	:	:	:	:	:	:							
0-	:	:	:	:	:	:	:	:	:	:	:							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
APR		TOT OBS=749		MAY		TOT OBS=774		JUN		TOT OBS=747								
>360-	:	:	:	:	:	:	:	:	:	:	:							
I 360-	:	:	:	:	:	:	:	:	:	:	:							
N 300-	:	:	:	:	:	:	:	:	:	:	:							
S 240-	:	:	:	:	:	:	:	:	:	:	:							
O 180-	:	:	:	:	:	:	:	:	:	:	:							
L 120-	:	:	:	:	:	:	:	:	:	:	:							
60-	:	:	:	:	:	:	:	:	:	:	:							
0-	:	:	:	:	:	:	:	:	:	:	:							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
JUL		TOT OBS=774		AUG		TOT OBS=774		SEP		TOT OBS=748								
>360-	:	:	:	:	:	:	:	:	:	:	:							
I 360-	:	:	:	:	:	:	:	:	:	:	:							
N 300-	:	:	:	:	:	:	:	:	:	:	:							
S 240-	:	:	:	:	:	:	:	:	:	:	:							
O 180-	:	:	:	:	:	:	:	:	:	:	:							
L 120-	:	:	:	:	:	:	:	:	:	:	:							
60-	:	:	:	:	:	:	:	:	:	:	:							
0-	:	:	:	:	:	:	:	:	:	:	:							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
OCT		TOT OBS=775		NOV		TOT OBS=749		DEC		TOT OBS=741								
>360-	:	:	:	:	:	:	:	:	:	:	:							
I 360-	:	:	:	:	:	:	:	:	:	:	:							
N 300-	:	:	:	:	:	:	:	:	:	:	:							
S 240-	:	:	:	:	:	:	:	:	:	:	:							
O 180-	:	:	:	:	:	:	:	:	:	:	:							
L 120-	:	:	:	:	:	:	:	:	:	:	:							
60-	:	:	:	:	:	:	:	:	:	:	:							
0-	:	:	:	:	:	:	:	:	:	:	:							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										

TABLE C-18. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- FORT WAYNE, INDIANA

JAN		TOT OBS=774	FEB		TOT OBS=704	MAR		TOT OBS=770
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 6: 1: 0: 0: 0: 0: 0: 0:			
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 97: 50: 25: 14: 6: 3: 1: 1:			
L 120	: 0: 0: 0: 0: 0: 1: 0: 0:		: 106: 52: 21: 16: 8: 4: 1: 3:		: 75: 40: 30: 20: 6: 7: 4: 3:			
60	: 161: 86: 57: 17: 13: 9: 7: 5:		: 112: 64: 35: 18: 17: 7: 4: 2:		: 102: 73: 34: 20: 14: 8: 5: 8:			
0	: 182: 98: 64: 38: 13: 7: 9: 7:		: 89: 64: 34: 28: 9: 3: 2: 5:		: 26: 36: 22: 9: 7: 4: 3: 10:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=749	MAY		TOT OBS=774	JUN		TOT OBS=747
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 3: 0: 2: 0: 0: 0: 0: 0:		: 84: 31: 6: 7: 1: 0: 0: 0:		: 136: 15: 6: 0: 2: 0: 0: 0:			
N 300	: 125: 58: 16: 8: 2: 1: 1: 1:		: 144: 66: 21: 8: 5: 1: 1: 2:		: 197: 62: 15: 5: 0: 1: 0: 0:			
S 240	: 57: 43: 26: 12: 4: 1: 4: 4:		: 57: 40: 24: 8: 3: 3: 1: 0:		: 88: 37: 13: 2: 1: 0: 0: 0:			
O 180	: 54: 53: 28: 16: 6: 0: 2: 4:		: 72: 41: 20: 9: 2: 4: 1: 0:		: 68: 41: 13: 3: 0: 1: 0: 0:			
L 120	: 60: 52: 33: 14: 14: 9: 5: 3:		: 50: 33: 11: 3: 2: 1: 0: 1:		: 18: 19: 3: 1: 0: 0: 0: 0:			
60	: 6: 6: 5: 5: 1: 1: 1: 1:		: 6: 3: 1: 1: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=774	AUG		TOT OBS=774	SEP		TOT OBS=748
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 76: 9: 2: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 282: 46: 8: 0: 0: 0: 0: 0:		: 283: 30: 3: 0: 0: 0: 0: 0:		: 24: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 141: 29: 8: 2: 0: 0: 0: 0:		: 202: 31: 5: 2: 0: 0: 0: 0:		: 296: 48: 6: 3: 0: 0: 0: 0:			
O 180	: 81: 27: 2: 1: 0: 0: 0: 0:		: 109: 22: 6: 0: 0: 0: 0: 0:		: 134: 37: 11: 4: 1: 1: 0: 0:			
L 120	: 42: 13: 0: 0: 0: 0: 0: 0:		: 60: 11: 2: 0: 0: 0: 0: 0:		: 106: 40: 5: 5: 2: 1: 0: 0:			
60	: 3: 0: 0: 0: 0: 0: 0: 0:		: 5: 3: 0: 0: 0: 0: 0: 0:		: 15: 8: 1: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=775	NOV		TOT OBS=749	DEC		TOT OBS=741
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 28: 6: 1: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 285: 78: 23: 8: 0: 1: 0: 0:		: 20: 6: 2: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 139: 57: 19: 10: 6: 0: 0: 0:		: 203: 81: 47: 14: 9: 4: 3: 5:		: 124: 59: 29: 15: 8: 2: 3: 1:			
60	: 63: 28: 13: 8: 1: 0: 1: 0:		: 158: 85: 49: 25: 16: 7: 5: 10:		: 232: 114: 76: 39: 17: 8: 5: 9:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-19. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- GOODLAND, KANSAS

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=775
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	200	44	9	6	1	2	0	0
L 120	293	61	25	7	6	3	1	0
60	70	26	12	1	2	5	1	0
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
APR		TOT OBS=750	MAY		TOT OBS=774	JUN		TOT OBS=749
>360	0	0	0	0	0	0	0	0
I 360	104	49	19	11	4	2	1	1
N 300	134	66	43	19	11	4	9	1
S 240	41	17	23	5	7	4	2	0
O 180	26	22	6	7	2	1	4	4
L 120	32	20	12	4	4	1	3	2
60	4	9	4	2	2	1	1	0
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
JUL		TOT OBS=775	AUG		TOT OBS=774	SLP		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	362	123	34	6	3	1	0	0
N 300	101	32	14	2	0	0	0	0
S 240	45	10	4	1	0	0	0	0
O 180	22	2	1	0	0	0	0	0
L 120	8	4	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=743
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	249	49	16	7	1	0	0	0
O 180	220	68	16	2	6	0	0	0
L 120	55	23	7	2	3	1	0	0
60	27	13	3	4	3	0	0	0
0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								

TABLE C-20. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- GOODLAND, KANSAS

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=775
>360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
S 240	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	46: 63: 39: 11: 12: 10: 1: 6:	46: 63: 39: 11: 12: 10: 1: 6:	46: 63: 39: 11: 12: 10: 1: 6:
O 180	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	73: 41: 22: 8: 6: 2: 0: 2:	73: 41: 22: 8: 6: 2: 0: 2:	73: 41: 22: 8: 6: 2: 0: 2:	95: 82: 60: 23: 14: 4: 9: 15:	95: 82: 60: 23: 14: 4: 9: 15:	95: 82: 60: 23: 14: 4: 9: 15:
L 120	109: 108: 28: 6: 5: 4: 1: 1:	109: 108: 28: 6: 5: 4: 1: 1:	136: 124: 38: 19: 13: 9: 3: 7:	136: 124: 38: 19: 13: 9: 3: 7:	136: 124: 38: 19: 13: 9: 3: 7:	24: 32: 14: 12: 9: 6: 6: 13:	24: 32: 14: 12: 9: 6: 6: 13:	24: 32: 14: 12: 9: 6: 6: 13:
60	178: 109: 52: 22: 15: 4: 6: 10:	178: 109: 52: 22: 15: 4: 6: 10:	40: 28: 17: 7: 5: 6: 1: 3:	40: 28: 17: 7: 5: 6: 1: 3:	40: 28: 17: 7: 5: 6: 1: 3:	25: 31: 15: 5: 4: 7: 5: 6:	25: 31: 15: 5: 4: 7: 5: 6:	25: 31: 15: 5: 4: 7: 5: 6:
0	40: 30: 13: 9: 8: 2: 6: 9:	40: 30: 13: 9: 8: 2: 6: 9:	26: 25: 11: 11: 10: 3: 2: 9:	26: 25: 11: 11: 10: 3: 2: 9:	26: 25: 11: 11: 10: 3: 2: 9:	14: 18: 9: 7: 5: 3: 2: 13:	14: 18: 9: 7: 5: 3: 2: 13:	14: 18: 9: 7: 5: 3: 2: 13:
0	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=750	MAY		TOT OBS=774	JUN		TOT OBS=749
>360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	42: 37: 10: 13: 6: 2: 2: 3:	42: 37: 10: 13: 6: 2: 2: 3:	42: 37: 10: 13: 6: 2: 2: 3:
I 360	58: 62: 28: 20: 10: 6: 4: 5:	58: 62: 28: 20: 10: 6: 4: 5:	145: 126: 78: 31: 15: 6: 5: 12:	145: 126: 78: 31: 15: 6: 5: 12:	145: 126: 78: 31: 15: 6: 5: 12:	136: 139: 84: 33: 13: 8: 3: 7:	136: 139: 84: 33: 13: 8: 3: 7:	136: 139: 84: 33: 13: 8: 3: 7:
N 300	58: 93: 50: 32: 15: 17: 8: 14:	58: 93: 50: 32: 15: 17: 8: 14:	30: 37: 28: 15: 9: 6: 5: 3:	30: 37: 28: 15: 9: 6: 5: 3:	30: 37: 28: 15: 9: 6: 5: 3:	23: 33: 23: 11: 2: 4: 3: 2:	23: 33: 23: 11: 2: 4: 3: 2:	23: 33: 23: 11: 2: 4: 3: 2:
S 240	22: 22: 18: 6: 13: 4: 4: 8:	22: 22: 18: 6: 13: 4: 4: 8:	21: 22: 21: 7: 5: 4: 1: 1:	21: 22: 21: 7: 5: 4: 1: 1:	21: 22: 21: 7: 5: 4: 1: 1:	23: 22: 6: 5: 2: 0: 0: 0:	23: 22: 6: 5: 2: 0: 0: 0:	23: 22: 6: 5: 2: 0: 0: 0:
O 180	9: 24: 13: 6: 7: 1: 5: 7:	9: 24: 13: 6: 7: 1: 5: 7:	30: 16: 2: 4: 6: 4: 2: 0:	30: 16: 2: 4: 6: 4: 2: 0:	30: 16: 2: 4: 6: 4: 2: 0:	11: 7: 4: 3: 2: 1: 1: 1:	11: 7: 4: 3: 2: 1: 1: 1:	11: 7: 4: 3: 2: 1: 1: 1:
L 120	13: 22: 14: 10: 8: 2: 1: 8:	13: 22: 14: 10: 8: 2: 1: 8:	15: 18: 14: 10: 2: 1: 0: 2:	15: 18: 14: 10: 2: 1: 0: 2:	15: 18: 14: 10: 2: 1: 0: 2:	7: 4: 2: 3: 1: 1: 0: 0:	7: 4: 2: 3: 1: 1: 0: 0:	7: 4: 2: 3: 1: 1: 0: 0:
60	3: 2: 7: 2: 2: 3: 1: 3:	3: 2: 7: 2: 2: 3: 1: 3:	1: 4: 2: 2: 2: 1: 3: 0:	1: 4: 2: 2: 2: 1: 3: 0:	1: 4: 2: 2: 2: 1: 3: 0:	1: 1: 0: 1: 0: 0: 0: 1:	1: 1: 0: 1: 0: 0: 0: 1:	1: 1: 0: 1: 0: 0: 0: 1:
0	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=775	AUG		TOT OBS=774	SEP		TOT OBS=750
>360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360	209: 189: 89: 26: 10: 5: 1: 0:	209: 189: 89: 26: 10: 5: 1: 0:	114: 102: 38: 9: 2: 1: 1: 0:	114: 102: 38: 9: 2: 1: 1: 0:	114: 102: 38: 9: 2: 1: 1: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300	66: 53: 22: 5: 3: 0: 0: 0:	66: 53: 22: 5: 3: 0: 0: 0:	151: 109: 49: 23: 6: 2: 1: 1:	151: 109: 49: 23: 6: 2: 1: 1:	151: 109: 49: 23: 6: 2: 1: 1:	142: 106: 44: 23: 12: 5: 2: 0:	142: 106: 44: 23: 12: 5: 2: 0:	142: 106: 44: 23: 12: 5: 2: 0:
S 240	28: 20: 10: 1: 0: 1: 0: 0:	28: 20: 10: 1: 0: 1: 0: 0:	41: 20: 21: 4: 0: 1: 0: 0:	41: 20: 21: 4: 0: 1: 0: 0:	41: 20: 21: 4: 0: 1: 0: 0:	95: 80: 37: 23: 7: 2: 1: 0:	95: 80: 37: 23: 7: 2: 1: 0:	95: 80: 37: 23: 7: 2: 1: 0:
O 180	17: 5: 3: 0: 0: 0: 0: 0:	17: 5: 3: 0: 0: 0: 0: 0:	19: 19: 3: 1: 1: 0: 0: 0:	19: 19: 3: 1: 1: 0: 0: 0:	19: 19: 3: 1: 1: 0: 0: 0:	36: 15: 7: 1: 3: 2: 2: 0:	36: 15: 7: 1: 3: 2: 2: 0:	36: 15: 7: 1: 3: 2: 2: 0:
L 120	7: 2: 3: 0: 0: 0: 0: 0:	7: 2: 3: 0: 0: 0: 0: 0:	16: 15: 2: 0: 0: 0: 0: 0:	16: 15: 2: 0: 0: 0: 0: 0:	16: 15: 2: 0: 0: 0: 0: 0:	29: 26: 12: 5: 2: 2: 0: 0:	29: 26: 12: 5: 2: 2: 0: 0:	29: 26: 12: 5: 2: 2: 0: 0:
60	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	1: 0: 1: 0: 0: 0: 0: 0:	1: 0: 1: 0: 0: 0: 0: 0:	1: 0: 1: 0: 0: 0: 0: 0:	8: 9: 6: 2: 4: 0: 0: 0:	8: 9: 6: 2: 4: 0: 0: 0:	8: 9: 6: 2: 4: 0: 0: 0:
0	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=743
>360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
S 240	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
O 180	177: 87: 29: 15: 6: 6: 1: 1:	177: 87: 29: 15: 6: 6: 1: 1:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
L 120	138: 106: 33: 17: 11: 2: 3: 2:	138: 106: 33: 17: 11: 2: 3: 2:	198: 128: 40: 28: 7: 3: 4: 3:	198: 128: 40: 28: 7: 3: 4: 3:	198: 128: 40: 28: 7: 3: 4: 3:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
60	33: 25: 14: 5: 6: 4: 1: 3:	33: 25: 14: 5: 6: 4: 1: 3:	86: 70: 42: 14: 13: 3: 4: 2:	86: 70: 42: 14: 13: 3: 4: 2:	86: 70: 42: 14: 13: 3: 4: 2:	253: 205: 74: 31: 16: 12: 5: 7:	253: 205: 74: 31: 16: 12: 5: 7:	253: 205: 74: 31: 16: 12: 5: 7:
0	14: 14: 7: 7: 2: 1: 1: 4:	14: 14: 7: 7: 2: 1: 1: 4:	41: 22: 13: 10: 3: 2: 4: 10:	41: 22: 13: 10: 3: 2: 4: 10:	41: 22: 13: 10: 3: 2: 4: 10:	53: 36: 17: 14: 9: 2: 4: 5:	53: 36: 17: 14: 9: 2: 4: 5:	53: 36: 17: 14: 9: 2: 4: 5:
0	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700	0 100 200 300 400 500 600 700 >700
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-21. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- GRAND ISLAND, NEBRASKA

JAN		TOT OBS=772	FEB		TOT OBS=707	MAR		TOT OBS=770
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 52: 24: 8: 3: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 25: 4: 3: 1: 0: 0: 0: 0:		: 187: 66: 22: 18: 10: 6: 3: 2:			
O 180	: 75: 17: 3: 1: 0: 0: 0: 0:		: 275: 73: 15: 7: 5: 0: 1: 0:		: 53: 38: 18: 11: 2: 4: 2: 4:			
L 120	: 367: 74: 25: 6: 2: 3: 1: 0:		: 106: 37: 7: 2: 1: 2: 1: 0:		: 86: 34: 19: 12: 3: 2: 3: 2:			
60	: 127: 47: 12: 5: 2: 1: 4: 0:		: 93: 28: 12: 6: 1: 1: 1: 0:		: 30: 16: 11: 8: 2: 4: 3: 2:			
0								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=750	MAY		TOT OBS=771	JUN		TOT OBS=747
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 57: 31: 13: 8: 4: 2: 0: 0:		: 199: 102: 46: 13: 7: 1: 0: 0:		: 261: 127: 58: 18: 9: 1: 1: 0:			
N 300	: 136: 74: 33: 23: 15: 6: 3: 2:		: 53: 45: 19: 6: 7: 0: 2: 0:		: 73: 27: 15: 6: 1: 1: 0: 0:			
S 240	: 51: 23: 16: 15: 4: 4: 2: 2:		: 47: 25: 9: 7: 1: 1: 2: 0:		: 39: 22: 6: 1: 1: 0: 0: 0:			
O 180	: 35: 25: 17: 10: 5: 4: 2: 0:		: 57: 28: 11: 3: 2: 0: 1: 0:		: 33: 15: 3: 0: 0: 0: 0: 0:			
L 120	: 41: 32: 14: 5: 2: 5: 1: 1:		: 21: 30: 7: 4: 0: 2: 0: 0:		: 13: 7: 3: 2: 0: 2: 0: 0:			
60	: 8: 7: 7: 1: 2: 1: 0: 1:		: 6: 4: 1: 1: 1: 0: 0: 0:		: 1: 0: 0: 0: 0: 1: 0: 0:			
0								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=767	AUG		TOT OBS=771	SEP		TOT OBS=746
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 336: 109: 22: 5: 1: 0: 0: 0:		: 123: 28: 5: 0: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 111: 32: 5: 0: 0: 0: 0: 0:		: 274: 96: 16: 3: 1: 0: 0: 0:		: 140: 57: 11: 5: 1: 0: 0: 0:			
S 240	: 67: 12: 1: 0: 0: 0: 0: 0:		: 96: 16: 4: 1: 0: 0: 0: 0:		: 201: 76: 19: 4: 0: 1: 0: 0:			
O 180	: 43: 6: 0: 0: 0: 0: 0: 0:		: 48: 11: 3: 0: 0: 0: 0: 0:		: 60: 28: 6: 1: 1: 1: 0: 0:			
L 120	: 12: 5: 0: 0: 0: 0: 0: 0:		: 35: 6: 1: 0: 0: 0: 0: 0:		: 84: 20: 2: 0: 0: 0: 0: 0:			
60	: 0: 0: 0: 0: 0: 0: 0: 0:		: 2: 1: 0: 0: 0: 0: 0: 0:		: 24: 3: 1: 0: 0: 0: 0: 0:			
0								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=774	NOV		TOT OBS=749	DEC		TOT OBS=741
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 179: 59: 8: 5: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 228: 57: 27: 8: 1: 2: 0: 0:		: 149: 33: 9: 3: 0: 1: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 98: 24: 12: 3: 0: 1: 1: 0:		: 258: 81: 26: 11: 3: 0: 0: 0:		: 402: 67: 20: 6: 2: 3: 1: 0:			
60	: 43: 9: 6: 1: 1: 0: 0: 0:		: 117: 36: 13: 4: 2: 2: 1: 0:		: 174: 42: 13: 4: 6: 0: 1: 0:			
0								
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-22. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- GRAND ISLAND, NEBRASKA

JAN		TOT OBS=772	FEB		TOT OBS=707	MAR		TOT OBS=770
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 36: 26: 9: 9: 3: 3: 1: 0:			
O 180	: 48: 30: 10: 4: 1: 3: 0: 0:		: 16: 9: 5: 2: 1: 0: 0: 0:		: 116: 90: 42: 20: 17: 12: 6: 11:			
L 120	: 219: 145: 64: 17: 12: 7: 5: 9:		: 166: 111: 51: 21: 11: 7: 1: 8:		: 29: 42: 18: 10: 10: 11: 3: 9:			
60	: 71: 50: 31: 19: 7: 4: 7: 9:		: 69: 35: 31: 5: 7: 2: 4: 3:		: 51: 41: 20: 17: 11: 9: 2: 10:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 57: 26: 21: 9: 14: 4: 2: 9:		: 16: 16: 11: 6: 4: 5: 2: 14:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=750	MAY		TOT OBS=771	JUN		TOT OBS=747
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 35: 38: 15: 9: 8: 5: 0: 5:		: 141: 102: 62: 41: 11: 4: 6: 1:		: 191: 142: 66: 42: 18: 11: 3: 2:			
N 300	: 83: 77: 49: 29: 20: 14: 5: 15:		: 36: 33: 35: 10: 8: 5: 3: 2:		: 53: 36: 21: 6: 3: 3: 1: 0:			
S 240	: 24: 34: 18: 16: 9: 6: 3: 7:		: 28: 27: 20: 7: 5: 0: 1: 4:		: 31: 18: 12: 5: 1: 2: 0: 0:			
O 180	: 23: 24: 14: 11: 7: 7: 3: 9:		: 41: 29: 14: 11: 3: 3: 0: 1:		: 26: 17: 6: 2: 0: 0: 0: 0:			
L 120	: 18: 24: 21: 16: 8: 2: 4: 8:		: 14: 17: 18: 8: 1: 4: 1: 1:		: 7: 11: 2: 3: 0: 2: 2: 0:			
60	: 1: 7: 6: 3: 4: 1: 1: 4:		: 3: 3: 5: 0: 1: 0: 0: 1:		: 1: 0: 0: 0: 0: 0: 1: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=767	AUG		TOT OBS=771	SEP		TOT OBS=746
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 263: 135: 48: 21: 4: 2: 0: 0:		: 95: 44: 11: 5: 2: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 93: 36: 15: 3: 1: 0: 0: 0:		: 215: 117: 41: 14: 2: 1: 0: 0:		: 113: 59: 25: 6: 8: 2: 1: 0:			
S 240	: 50: 24: 6: 0: 0: 0: 0: 0:		: 81: 25: 8: 1: 1: 1: 0: 0:		: 163: 73: 42: 17: 4: 1: 0: 1:			
O 180	: 34: 14: 1: 0: 0: 0: 0: 0:		: 38: 17: 5: 2: 0: 0: 0: 0:		: 44: 32: 12: 5: 2: 0: 1: 1:			
L 120	: 8: 8: 0: 1: 0: 0: 0: 0:		: 26: 12: 3: 1: 0: 0: 0: 0:		: 54: 38: 12: 1: 1: 0: 0: 0:			
60	: 0: 0: 0: 0: 0: 0: 0: 0:		: 2: 1: 0: 0: 0: 0: 0: 0:		: 18: 7: 2: 1: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=774	NOV		TOT OBS=749	DEC		TOT OBS=741
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 135: 68: 31: 10: 4: 3: 1: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 181: 70: 35: 19: 12: 1: 3: 2:		: 108: 55: 17: 9: 2: 1: 2: 1:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 58: 43: 19: 8: 6: 2: 1: 2:		: 151: 125: 48: 22: 12: 10: 8: 3:		: 272: 138: 42: 24: 10: 7: 3: 5:			
60	: 28: 13: 5: 4: 5: 1: 0: 4:		: 73: 32: 31: 18: 6: 8: 2: 5:		: 97: 68: 28: 18: 6: 10: 4: 9:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-23. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- GRAND RAPIDS, MICHIGAN

JAN		TOT OBS=775	FEB		TOT OBS=707	MAR		TOT OBS=775
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	0	0	0	0	0	0	0	0
L 120	217	10	0	0	0	0	0	0
60	489	53	2	2	1	1	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	24	2	1	0	0	0	0	0
N 300	216	30	4	2	0	0	1	0
S 240	95	21	5	0	0	0	0	0
O 180	89	25	3	0	1	0	1	0
L 120	136	41	15	6	0	1	0	0
60	22	13	2	3	0	0	1	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
JUL		TOT OBS=774	AUG		TOT OBS=775	SEP		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	229	6	0	0	0	0	0	0
N 300	256	7	3	0	0	0	0	0
S 240	117	3	0	0	0	0	0	0
O 180	89	4	0	0	0	0	0	0
L 120	57	1	0	0	0	0	0	0
60	2	0	0	0	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=743
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	54	2	0	0	0	0	0	0
O 180	312	17	2	0	0	0	0	0
L 120	208	15	5	0	0	0	0	0
60	148	11	1	0	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								

TABLE C-24. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- GRAND RAPIDS, MICHIGAN

JAN		TOT OBS=775		FEB		TOT OBS=707		MAR		TOT OBS=775		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	22	3	0	
O 180	0	0	0	0	0	0	0	0	155	45	9	
L 120	0	0	0	0	0	0	0	0	99	46	8	
60	171	40	14	2	0	0	0	0	136	55	26	
0	313	153	48	23	4	1	2	4	71	33	19	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=750		MAY		TOT OBS=775		JUN		TOT OBS=750		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	24	2	0	1	0	0	0	0	311	21	2	
N 300	190	53	6	2	1	0	0	1	134	16	2	
S 240	62	36	7	2	1	1	0	0	82	13	0	
O 180	74	25	16	2	1	0	0	1	99	13	0	
L 120	107	54	21	7	8	0	1	1	50	4	0	
60	15	12	8	3	2	0	0	1	0	2	0	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=774		AUG		TOT OBS=775		SEP		TOT OBS=750		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	227	7	1	0	0	0	0	0	0	0	0	
N 300	247	16	1	2	0	0	0	0	45	4	0	
S 240	114	6	0	0	0	0	0	0	301	21	2	
O 180	83	10	0	0	0	0	0	0	153	13	3	
L 120	54	4	0	0	0	0	0	0	144	17	1	
60	2	0	0	0	0	0	0	0	38	3	1	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=743		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	0	0	0	
S 240	49	7	0	0	0	0	0	0	0	0	0	
O 180	290	35	5	1	0	0	0	0	0	0	0	
L 120	176	42	6	4	0	0	0	0	134	26	7	
60	124	29	2	5	0	0	0	0	362	149	45	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-25. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- GREEN BAY, WISCONSIN

JAN		TOT OBS=774		FEB		TOT OBS=707		MAR		TOT OBS=762	
>300	0	0	0	0	0	0	0	0	0	0	0
I 300	0	0	0	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0	0	0	0
O 180	0	0	0	0	0	0	0	0	0	0	0
L 120	300	74	10	2	0	0	0	0	0	0	0
60	307	57	18	4	1	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=750		MAY		TOT OBS=773		JUN		TOT OBS=748	
>300	0	0	0	0	0	0	0	0	0	0	0
I 300	9	2	0	1	0	0	0	0	0	0	0
N 300	166	55	21	5	1	2	1	0	0	0	0
S 240	105	37	10	6	0	1	1	0	0	0	0
O 180	72	27	7	5	2	1	0	0	0	0	0
L 120	110	46	16	4	1	1	0	1	0	0	0
60	16	13	5	2	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=773		AUG		TOT OBS=770		SEP		TOT OBS=746	
>300	0	0	0	0	0	0	0	0	0	0	0
I 300	0	0	0	0	0	0	0	0	0	0	0
N 300	203	74	3	1	0	0	0	0	0	0	0
S 240	206	74	2	5	0	0	0	0	0	0	0
O 180	117	25	3	0	1	0	0	0	0	0	0
L 120	89	11	2	0	0	0	0	0	0	0	0
60	40	5	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=774		NOV		TOT OBS=745		DEC		TOT OBS=741	
>300	0	0	0	0	0	0	0	0	0	0	0
I 300	0	0	0	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0	0	0	0
O 180	245	76	12	3	1	0	0	0	0	0	0
L 120	191	42	14	0	0	1	0	0	0	0	0
60	147	27	5	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
	0	100	200	300	400	500	600	700	>700		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-26. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- GREEN BAY, WISCONSIN

JAN		TOT OBS=774		FEB		TOT OBS=707		MAR		TOT OBS=762	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 1: 1: 0: 1: 0: 0: 0: 0:			
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 183: 51: 28: 12: 6: 3: 1: 0:			
L 120	: 169: 116: 57: 23: 13: 5: 1: 2:			: 158: 55: 33: 13: 9: 1: 1: 2:				: 87: 35: 30: 9: 5: 2: 1: 2:			
60	: 187: 99: 45: 31: 12: 7: 3: 4:			: 103: 60: 25: 16: 4: 6: 3: 2:				: 105: 53: 29: 9: 10: 3: 0: 3:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 100: 52: 32: 13: 10: 2: 1: 6:				: 34: 19: 7: 7: 8: 7: 5: 5:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
APR		TOT OBS=750		MAY		TOT OBS=773		JUN		TOT OBS=748	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 9: 2: 0: 0: 0: 1: 0: 0:			: 138: 39: 14: 5: 2: 1: 0: 0:				: 213: 57: 13: 1: 2: 0: 0: 0:			
N 300	: 132: 67: 27: 15: 4: 2: 2: 2:			: 100: 44: 22: 9: 2: 2: 1: 0:				: 112: 45: 14: 4: 2: 0: 0: 0:			
S 240	: 79: 45: 20: 8: 2: 4: 0: 0:			: 69: 47: 18: 4: 0: 2: 0: 0:				: 68: 26: 6: 1: 0: 0: 0: 0:			
O 180	: 52: 30: 13: 6: 5: 3: 3: 0:			: 64: 38: 11: 8: 3: 0: 1: 0:				: 100: 17: 6: 1: 0: 0: 1: 0:			
L 120	: 70: 52: 27: 14: 7: 3: 0: 2:			: 64: 36: 12: 5: 2: 1: 0: 1:				: 42: 9: 2: 2: 0: 0: 0: 0:			
60	: 7: 12: 6: 7: 3: 1: 2: 0:			: 5: 0: 2: 1: 0: 0: 0: 0:				: 0: 1: 0: 0: 0: 0: 0: 1:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
JUL		TOT OBS=773		AUG		TOT OBS=770		SEP		TOT OBS=746	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 193: 27: 10: 1: 0: 0: 0: 0:			: 8: 2: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 196: 41: 5: 4: 1: 0: 0: 0:			: 294: 39: 11: 2: 1: 2: 0: 0:				: 22: 8: 0: 0: 0: 0: 0: 0:			
S 240	: 104: 26: 12: 1: 0: 1: 0: 0:			: 134: 31: 6: 3: 0: 0: 0: 0:				: 225: 62: 16: 0: 3: 0: 0: 0:			
O 180	: 84: 13: 5: 0: 0: 0: 0: 0:			: 106: 25: 3: 0: 0: 0: 0: 0:				: 126: 44: 16: 1: 0: 2: 1: 0:			
L 120	: 39: 5: 1: 0: 0: 0: 0: 0:			: 71: 21: 2: 0: 0: 0: 0: 0:				: 122: 40: 10: 6: 0: 0: 1: 0:			
60	: 2: 0: 0: 0: 0: 0: 0: 0:			: 7: 2: 0: 0: 0: 0: 0: 0:				: 28: 12: 0: 1: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
OCT		TOT OBS=774		NOV		TOT OBS=745		DEC		TOT OBS=741	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 5: 1: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 194: 92: 36: 7: 7: 3: 0: 0:			: 2: 2: 0: 1: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 154: 53: 22: 12: 5: 1: 0: 1:			: 177: 86: 40: 19: 5: 7: 3: 2:				: 119: 68: 33: 16: 5: 4: 2: 2:			
60	: 106: 41: 18: 9: 3: 1: 1: 2:			: 196: 95: 44: 29: 17: 5: 4: 11:				: 269: 129: 53: 20: 10: 6: 3: 2:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			

TABLE C-27. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- MADISON, WISCONSIN

JAN		TOT OBS=711	FEB		TOT OBS=645	MAR		TOT OBS=712
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 13: 9: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 1: 1: 0: 0: 0: 0: 0: 0:		: 204: 47: 12: 4: 1: 0: 1: 0:			
O 180	: 2: 0: 0: 0: 0: 0: 0: 0:		: 217: 44: 18: 2: 1: 1: 0: 0:		: 123: 29: 6: 4: 0: 0: 0: 0:			
L 120	: 365: 48: 6: 0: 0: 1: 0: 0:		: 179: 43: 1: 2: 1: 1: 0: 0:		: 106: 37: 8: 2: 1: 0: 1: 2:			
60	: 247: 32: 7: 3: 0: 0: 0: 0:		: 108: 20: 3: 0: 0: 1: 1: 0:		: 78: 13: 6: 4: 1: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=689	MAY		TOT OBS=712	JUN		TOT OBS=689
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 1: 0: 0: 0: 0: 0: 0: 0:		: 14: 3: 0: 0: 0: 0: 0: 0:			
I 360	: 19: 5: 2: 0: 1: 0: 0: 0:		: 154: 39: 7: 0: 1: 0: 0: 0:		: 216: 43: 4: 2: 0: 0: 0: 0:			
N 300	: 147: 58: 13: 5: 1: 3: 0: 0:		: 123: 48: 9: 0: 0: 0: 0: 0:		: 123: 18: 6: 0: 0: 0: 0: 0:			
S 240	: 66: 23: 12: 2: 1: 1: 2: 0:		: 77: 28: 4: 3: 0: 1: 0: 0:		: 87: 15: 3: 0: 1: 0: 0: 0:			
O 180	: 73: 35: 13: 4: 0: 0: 0: 0:		: 61: 23: 9: 2: 2: 0: 0: 0:		: 81: 17: 0: 0: 0: 0: 0: 0:			
L 120	: 72: 36: 15: 7: 1: 0: 1: 1:		: 52: 24: 3: 1: 0: 0: 0: 0:		: 35: 11: 0: 1: 0: 0: 0: 0:			
60	: 38: 21: 9: 1: 1: 0: 0: 0:		: 28: 10: 1: 0: 1: 0: 0: 0:		: 5: 3: 1: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=738	AUG		TOT OBS=742	SEP		TOT OBS=717
>360	: 6: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 211: 22: 1: 0: 0: 0: 0: 0:		: 36: 2: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 209: 27: 6: 0: 0: 0: 0: 0:		: 337: 19: 1: 0: 0: 0: 0: 0:		: 66: 4: 1: 0: 0: 0: 0: 0:			
S 240	: 104: 14: 1: 0: 0: 0: 0: 0:		: 146: 13: 3: 0: 0: 0: 0: 0:		: 285: 36: 6: 1: 0: 0: 0: 0:			
O 180	: 78: 7: 0: 0: 0: 0: 0: 0:		: 95: 9: 0: 0: 0: 0: 0: 0:		: 115: 15: 1: 0: 0: 0: 0: 0:			
L 120	: 42: 4: 0: 0: 0: 0: 0: 0:		: 67: 5: 1: 0: 0: 0: 0: 0:		: 112: 11: 4: 0: 0: 0: 0: 0:			
60	: 5: 1: 0: 0: 0: 0: 0: 0:		: 7: 1: 0: 0: 0: 0: 0: 0:		: 52: 7: 1: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=740	NOV		TOT OBS=717	DEC		TOT OBS=713
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 45: 5: 1: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 293: 53: 6: 2: 0: 0: 0: 0:		: 29: 5: 1: 0: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 166: 21: 5: 1: 0: 0: 0: 0:		: 290: 41: 3: 5: 2: 2: 0: 0:		: 256: 23: 1: 2: 0: 1: 0: 0:			
60	: 124: 13: 4: 0: 1: 0: 0: 0:		: 282: 36: 12: 7: 0: 0: 1: 0:		: 398: 28: 3: 1: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-28. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- MADISON, WISCONSIN

JAN		TOT OBS=711	FEB		TOT OBS=645	MAR		TOT OBS=712
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 13: 5: 3: 0: 1: 0: 0: 0:	
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 1: 0: 1: 0: 0: 0: 0:		: 0: 1: 0: 1: 0: 0: 0: 0:		: 160: 58: 30: 11: 4: 1: 3: 2:	
L 120	: 2: 0: 0: 0: 0: 0: 0: 0:		: 160: 70: 24: 11: 13: 2: 0: 3:		: 160: 70: 24: 11: 13: 2: 0: 3:		: 74: 55: 15: 7: 5: 4: 1: 1:	
60	: 247: 109: 34: 19: 8: 1: 1: 1:		: 127: 56: 29: 9: 1: 4: 0: 1:		: 127: 56: 29: 9: 1: 4: 0: 1:		: 63: 49: 22: 13: 5: 1: 1: 3:	
0	: 159: 71: 28: 17: 3: 7: 2: 2:		: 67: 33: 19: 7: 2: 1: 1: 3:		: 67: 33: 19: 7: 2: 1: 1: 3:		: 47: 22: 12: 7: 4: 4: 3: 3:	
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=689	MAY		TOT OBS=712	JUN		TOT OBS=689
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 1: 0: 0: 0: 0: 0: 0: 0:		: 12: 5: 0: 0: 0: 0: 0: 0:		: 12: 5: 0: 0: 0: 0: 0: 0:	
I 360	: 15: 9: 1: 1: 0: 0: 1: 0:		: 130: 53: 10: 4: 4: 0: 0: 0:		: 208: 45: 8: 3: 1: 0: 0: 0:		: 208: 45: 8: 3: 1: 0: 0: 0:	
N 300	: 114: 70: 24: 11: 3: 2: 1: 2:		: 99: 55: 19: 6: 1: 0: 0: 0:		: 112: 25: 10: 0: 0: 0: 0: 0:		: 112: 25: 10: 0: 0: 0: 0: 0:	
S 240	: 49: 29: 15: 7: 4: 0: 1: 2:		: 58: 35: 10: 5: 3: 0: 2: 0:		: 78: 21: 4: 2: 0: 1: 0: 0:		: 78: 21: 4: 2: 0: 1: 0: 0:	
O 180	: 52: 37: 19: 12: 3: 1: 1: 0:		: 42: 39: 6: 5: 3: 1: 1: 0:		: 72: 20: 6: 0: 0: 0: 0: 0:		: 72: 20: 6: 0: 0: 0: 0: 0:	
L 120	: 45: 39: 17: 16: 10: 3: 1: 2:		: 40: 23: 13: 3: 1: 0: 0: 0:		: 32: 13: 1: 1: 0: 0: 0: 0:		: 32: 13: 1: 1: 0: 0: 0: 0:	
60	: 15: 25: 15: 9: 5: 1: 0: 0:		: 14: 19: 4: 1: 0: 2: 0: 0:		: 5: 2: 1: 1: 0: 0: 0: 0:		: 5: 2: 1: 1: 0: 0: 0: 0:	
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=738	AUG		TOT OBS=742	SEP		TOT OBS=717
>360	: 4: 2: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360	: 198: 32: 4: 0: 0: 0: 0: 0:		: 32: 6: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 189: 45: 7: 1: 0: 0: 0: 0:		: 312: 41: 4: 0: 0: 0: 0: 0:		: 59: 11: 1: 0: 0: 0: 0: 0:		: 59: 11: 1: 0: 0: 0: 0: 0:	
S 240	: 95: 19: 4: 1: 0: 0: 0: 0:		: 133: 24: 5: 0: 0: 0: 0: 0:		: 249: 69: 5: 4: 0: 1: 0: 0:		: 249: 69: 5: 4: 0: 1: 0: 0:	
O 180	: 74: 8: 3: 0: 0: 0: 0: 0:		: 87: 15: 2: 0: 0: 0: 0: 0:		: 97: 27: 5: 2: 0: 0: 0: 0:		: 97: 27: 5: 2: 0: 0: 0: 0:	
L 120	: 40: 6: 0: 0: 0: 0: 0: 0:		: 61: 10: 1: 1: 0: 0: 0: 0:		: 85: 34: 7: 0: 1: 0: 0: 0:		: 85: 34: 7: 0: 1: 0: 0: 0:	
60	: 4: 2: 0: 0: 0: 0: 0: 0:		: 6: 2: 0: 0: 0: 0: 0: 0:		: 42: 16: 1: 0: 1: 0: 0: 0:		: 42: 16: 1: 0: 1: 0: 0: 0:	
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=740	NOV		TOT OBS=717	DEC		TOT OBS=713
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
S 240	: 33: 15: 2: 1: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
O 180	: 232: 83: 29: 7: 1: 0: 2: 0:		: 20: 11: 3: 1: 0: 0: 1: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
L 120	: 124: 44: 14: 8: 1: 2: 0: 0:		: 211: 73: 28: 11: 10: 2: 2: 6:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
60	: 92: 28: 14: 3: 3: 0: 0: 2:		: 179: 87: 26: 21: 12: 6: 3: 4:		: 169: 71: 30: 4: 5: 1: 2: 1:		: 169: 71: 30: 4: 5: 1: 2: 1:	
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-29. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- MINNAPOLIS, MINNESOTA

JAN		TOT OBS=771	FEB		TOT OBS=707	MAR		TOT OBS=775
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 265: 19: 4: 0: 1: 0: 0: 0:			
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:		: 230: 16: 6: 0: 0: 0: 0: 0:		: 165: 27: 1: 0: 0: 0: 0: 0:			
L 120	: 406: 19: 1: 0: 0: 0: 0: 0:		: 246: 24: 0: 0: 1: 0: 0: 0:		: 158: 23: 2: 0: 0: 0: 0: 0:			
60	: 320: 22: 2: 0: 1: 0: 0: 0:		: 165: 15: 1: 2: 1: 0: 0: 0:		: 87: 15: 6: 2: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=750
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 10: 2: 0: 0: 0: 0: 0: 0:		: 187: 31: 13: 2: 0: 1: 0: 0:		: 275: 39: 2: 0: 0: 0: 0: 0:			
N 300	: 216: 44: 11: 6: 2: 0: 0: 0:		: 137: 29: 7: 3: 3: 1: 0: 0:		: 140: 14: 4: 1: 0: 0: 0: 0:			
S 240	: 94: 32: 11: 1: 0: 0: 0: 0:		: 83: 27: 5: 1: 0: 0: 0: 0:		: 92: 14: 2: 0: 0: 0: 0: 0:			
O 180	: 73: 21: 6: 1: 0: 0: 0: 0:		: 79: 21: 8: 2: 1: 0: 0: 0:		: 86: 12: 1: 0: 0: 0: 0: 0:			
L 120	: 131: 36: 10: 3: 0: 2: 0: 0:		: 86: 29: 5: 1: 0: 0: 0: 0:		: 58: 4: 1: 0: 0: 0: 0: 0:			
60	: 21: 10: 3: 2: 0: 1: 1: 0:		: 9: 4: 0: 0: 0: 0: 0: 0:		: 5: 0: 0: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 272: 19: 0: 1: 0: 0: 0: 0:		: 8: 1: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 226: 14: 1: 0: 0: 0: 0: 0:		: 399: 15: 0: 0: 0: 0: 0: 0:		: 37: 4: 0: 0: 0: 0: 0: 0:			
S 240	: 114: 3: 0: 0: 0: 0: 0: 0:		: 158: 8: 0: 0: 0: 0: 0: 0:		: 328: 28: 0: 0: 0: 0: 0: 0:			
O 180	: 77: 8: 0: 0: 0: 0: 0: 0:		: 78: 5: 0: 0: 0: 0: 0: 0:		: 133: 17: 2: 0: 0: 0: 0: 0:			
L 120	: 36: 1: 0: 0: 0: 0: 0: 0:		: 90: 4: 1: 0: 0: 0: 0: 0:		: 152: 6: 1: 0: 0: 0: 0: 0:			
60	: 1: 0: 0: 0: 0: 0: 0: 0:		: 9: 1: 0: 0: 0: 0: 0: 0:		: 41: 0: 1: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=763	NOV		TOT OBS=749	DEC		TOT OBS=744
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 17: 4: 1: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 363: 27: 4: 0: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 170: 18: 3: 1: 0: 0: 0: 0:		: 359: 25: 3: 0: 0: 0: 0: 0:		: 261: 9: 2: 0: 0: 0: 0: 0:			
60	: 137: 15: 2: 0: 0: 0: 0: 0:		: 327: 26: 7: 1: 1: 0: 0: 0:		: 450: 20: 2: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-31. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- MINOT, NORTH DAKOTA

JAN		TOT OBS=773		FEB		TOT OBS=707		MAR		TOT OBS=775	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 1: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 111: 51: 27: 9: 2: 2: 1: 0:			
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:			: 97: 26: 11: 2: 0: 4: 0: 0:				: 132: 72: 34: 10: 10: 3: 3: 1:			
L 120	: 197: 66: 11: 4: 1: 1: 0: 0:			: 214: 88: 33: 14: 1: 1: 2: 0:				: 104: 56: 24: 17: 7: 3: 1: 1:			
60	: 330: 114: 32: 12: 3: 2: 0: 0:			: 130: 49: 16: 10: 7: 1: 1: 0:				: 37: 23: 15: 8: 4: 0: 2: 4:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
APR		TOT OBS=749		MAY		TOT OBS=775		JUN		TOT OBS=749	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 6: 3: 5: 1: 0: 0: 0: 0:			: 137: 65: 37: 11: 4: 3: 2: 1:				: 183: 92: 36: 10: 5: 5: 0: 1:			
N 300	: 127: 71: 36: 15: 8: 3: 3: 4:			: 79: 57: 34: 11: 4: 1: 4: 0:				: 75: 36: 14: 9: 3: 0: 1: 2:			
S 240	: 52: 49: 27: 11: 4: 3: 2: 4:			: 48: 35: 19: 9: 3: 1: 2: 1:				: 58: 33: 14: 13: 0: 3: 1: 2:			
O 180	: 53: 30: 17: 11: 11: 3: 0: 1:			: 49: 29: 19: 8: 1: 4: 1: 1:				: 41: 36: 12: 5: 0: 0: 1: 0:			
L 120	: 50: 49: 26: 11: 9: 4: 1: 1:			: 28: 21: 19: 5: 3: 1: 4: 2:				: 28: 13: 12: 1: 1: 2: 0: 1:			
60	: 6: 12: 10: 6: 2: 3: 0: 1:			: 2: 4: 2: 3: 1: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
JUL		TOT OBS=773		AUG		TOT OBS=772		SEP		TOT OBS=750	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 42: 87: 30: 14: 2: 4: 0: 0:			: 61: 8: 4: 0: 0: 1: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 116: 58: 19: 8: 4: 0: 0: 0:			: 237: 105: 33: 8: 5: 1: 1: 0:				: 21: 15: 6: 1: 0: 0: 0: 0:			
S 240	: 56: 13: 12: 2: 2: 0: 0: 0:			: 89: 50: 22: 0: 1: 0: 0: 1:				: 203: 100: 40: 10: 3: 1: 1: 0:			
O 180	: 46: 23: 3: 3: 0: 1: 0: 0:			: 56: 16: 5: 3: 1: 0: 0: 0:				: 87: 35: 19: 6: 1: 2: 3: 0:			
L 120	: 9: 5: 5: 0: 0: 0: 0: 0:			: 33: 18: 5: 3: 1: 0: 0: 0:				: 84: 35: 24: 8: 2: 1: 3: 0:			
60	: 1: 6: 0: 0: 0: 0: 0: 0:			: 2: 1: 0: 0: 0: 1: 0: 0:				: 18: 9: 4: 2: 2: 3: 0: 1:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=744	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 5: 1: 0: 1: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 214: 104: 37: 9: 5: 2: 2: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 166: 59: 27: 9: 4: 3: 0: 0:			: 232: 71: 25: 10: 6: 5: 1: 0:				: 43: 13: 2: 0: 0: 0: 0: 0:			
60	: 75: 26: 12: 4: 5: 2: 1: 0:			: 275: 79: 22: 11: 7: 4: 2: 0:				: 508: 128: 31: 8: 10: 1: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			

TABLE C-32. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- MINOT, NORTH DAKOTA

JAN		TOT OBS=773		FEB		TOT OBS=707		MAR		TOT OBS=775	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 1: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 70: 52: 35: 23: 9: 9: 2: 3:			
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:			: 47: 42: 23: 10: 6: 7: 1: 4:				: 79: 58: 52: 32: 13: 12: 7: 12:			
L 120	: 72: 59: 47: 35: 21: 12: 11: 13:			: 108: 76: 61: 40: 22: 19: 12: 15:				: 56: 51: 41: 19: 20: 13: 6: 7:			
60	: 128: 114: 78: 65: 41: 26: 15: 26:			: 61: 46: 42: 19: 14: 13: 4: 15:				: 16: 20: 23: 10: 6: 9: 4: 5:			
0											
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
APR		TOT OBS=749		MAY		TOT OBS=775		JUN		TOT OBS=749	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 5: 3: 3: 2: 0: 2: 0: 0:			: 103: 72: 35: 31: 10: 4: 2: 3:				: 148: 100: 52: 17: 6: 4: 5: 0:			
N 300	: 59: 95: 54: 25: 16: 8: 4: 6:			: 54: 52: 31: 28: 14: 6: 0: 5:				: 58: 45: 15: 11: 9: 1: 0: 1:			
S 240	: 36: 33: 33: 19: 11: 6: 3: 7:			: 38: 22: 26: 14: 9: 3: 1: 5:				: 49: 37: 13: 9: 9: 3: 2: 2:			
O 180	: 36: 22: 24: 11: 12: 11: 5: 3:			: 33: 29: 17: 13: 8: 6: 3: 3:				: 33: 34: 22: 1: 4: 0: 0: 1:			
L 120	: 29: 36: 34: 17: 11: 6: 7: 11:			: 15: 19: 14: 15: 8: 4: 3: 5:				: 13: 25: 8: 3: 2: 5: 0: 2:			
60	: 3: 6: 5: 7: 3: 4: 6: 4:			: 1: 0: 5: 0: 4: 1: 1: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
0											
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
JUL		TOT OBS=773		AUG		TOT OBS=772		SEP		TOT OBS=750	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 191: 111: 45: 19: 8: 3: 1: 1:			: 46: 19: 2: 5: 0: 2: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 92: 60: 35: 10: 5: 3: 0: 0:			: 173: 120: 59: 22: 8: 6: 0: 2:				: 15: 16: 6: 4: 2: 0: 0: 0:			
S 240	: 36: 37: 16: 6: 1: 1: 0: 0:			: 53: 60: 33: 13: 2: 2: 0: 0:				: 136: 107: 64: 32: 13: 4: 1: 1:			
O 130	: 30: 25: 9: 4: 1: 0: 1: 0:			: 35: 28: 10: 4: 1: 3: 0: 0:				: 49: 45: 26: 19: 4: 4: 0: 6:			
L 120	: 7: 7: 2: 3: 0: 0: 0: 0:			: 19: 23: 8: 3: 7: 0: 0: 0:				: 54: 38: 25: 19: 8: 4: 1: 8:			
60	: 0: 1: 0: 0: 0: 0: 0: 0:			: 0: 2: 1: 0: 0: 0: 0: 1:				: 12: 11: 3: 4: 2: 3: 1: 3:			
0											
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=744	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 5: 1: 0: 0: 0: 0: 1: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 131: 99: 66: 39: 19: 5: 7: 7:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 104: 70: 35: 31: 10: 6: 6: 8:			: 102: 116: 62: 16: 17: 14: 6: 17:				: 20: 12: 7: 6: 8: 2: 1: 0:			
60	: 39: 33: 16: 12: 12: 2: 4: 7:			: 141: 98: 56: 46: 17: 10: 9: 23:				: 209: 179: 113: 71: 42: 25: 18: 29:			
0											
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL			

TABLE C-33. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- NORTH OMAHA, NEBRASKA

JAN		TOT OBS=558	FEB		TOT OBS=508	MAR		TOT OBS=557
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 36: 8: 5: 1: 0: 1: 0: 0:		: 36: 8: 5: 1: 0: 1: 0: 0:	
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 18: 4: 2: 0: 0: 0: 0: 0:		: 136: 52: 12: 7: 5: 1: 0: 1:		: 136: 52: 12: 7: 5: 1: 0: 1:	
O 180	: 7: 0: 0: 0: 0: 0: 0: 0:		: 189: 42: 12: 2: 1: 2: 0: 0:		: 83: 23: 10: 6: 4: 1: 3: 2:		: 83: 23: 10: 6: 4: 1: 3: 2:	
L 120	: 339: 38: 12: 4: 2: 0: 0: 0:		: 99: 25: 3: 4: 2: 1: 2: 1:		: 59: 18: 9: 9: 3: 4: 1: 1:		: 59: 18: 9: 9: 3: 4: 1: 1:	
60	: 131: 17: 8: 3: 1: 0: 0: 0:		: 75: 21: 1: 0: 2: 0: 0: 0:		: 35: 11: 5: 1: 3: 0: 1: 0:		: 35: 11: 5: 1: 3: 0: 1: 0:	
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=540	MAY		TOT OBS=558	JUN		TOT OBS=569
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 3: 0: 0: 0: 0: 0: 0: 0:		: 14: 1: 0: 0: 0: 0: 0: 0:		: 14: 1: 0: 0: 0: 0: 0: 0:	
I 360	: 40: 11: 5: 1: 1: 0: 2: 0:		: 138: 43: 14: 5: 2: 0: 0: 0:		: 206: 56: 13: 3: 0: 0: 0: 0:		: 206: 56: 13: 3: 0: 0: 0: 0:	
N 300	: 104: 40: 24: 12: 6: 3: 2: 0:		: 78: 34: 15: 4: 0: 0: 0: 0:		: 79: 33: 3: 1: 0: 0: 0: 0:		: 79: 33: 3: 1: 0: 0: 0: 0:	
S 240	: 44: 26: 12: 8: 2: 1: 1: 1:		: 55: 21: 6: 2: 0: 2: 0: 0:		: 62: 11: 3: 0: 0: 0: 0: 0:		: 62: 11: 3: 0: 0: 0: 0: 0:	
O 180	: 31: 24: 6: 4: 3: 0: 2: 0:		: 35: 20: 2: 1: 1: 0: 1: 0:		: 48: 7: 1: 0: 0: 0: 0: 0:		: 48: 7: 1: 0: 0: 0: 0: 0:	
L 120	: 39: 19: 11: 9: 2: 0: 0: 1:		: 32: 8: 5: 1: 0: 0: 0: 0:		: 16: 3: 2: 0: 0: 0: 0: 0:		: 16: 3: 2: 0: 0: 0: 0: 0:	
60	: 17: 17: 7: 0: 1: 1: 0: 0:		: 16: 8: 5: 1: 0: 0: 0: 0:		: 5: 2: 0: 0: 0: 0: 0: 0:		: 5: 2: 0: 0: 0: 0: 0: 0:	
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=589	AUG		TOT OBS=589	SEP		TOT OBS=570
>360	: 2: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360	: 269: 40: 0: 0: 0: 0: 0: 0:		: 91: 8: 1: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 117: 11: 0: 1: 0: 0: 0: 0:		: 246: 28: 5: 1: 0: 0: 0: 0:		: 114: 14: 0: 1: 0: 0: 0: 0:		: 114: 14: 0: 1: 0: 0: 0: 0:	
S 240	: 58: 7: 1: 0: 0: 0: 0: 0:		: 85: 7: 1: 0: 0: 0: 0: 0:		: 172: 32: 2: 0: 0: 0: 0: 0:		: 172: 32: 2: 0: 0: 0: 0: 0:	
O 180	: 46: 5: 1: 0: 0: 0: 0: 0:		: 64: 6: 0: 0: 0: 0: 0: 0:		: 69: 14: 3: 0: 1: 1: 0: 0:		: 69: 14: 3: 0: 1: 1: 0: 0:	
L 120	: 27: 0: 0: 0: 0: 0: 0: 0:		: 36: 2: 0: 0: 0: 0: 0: 0:		: 79: 11: 2: 0: 0: 0: 0: 0:		: 79: 11: 2: 0: 0: 0: 0: 0:	
60	: 3: 1: 0: 0: 0: 0: 0: 0:		: 6: 2: 0: 0: 0: 0: 0: 0:		: 49: 5: 1: 0: 0: 0: 0: 0:		: 49: 5: 1: 0: 0: 0: 0: 0:	
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
OCT		TOT OBS=589	NOV		TOT OBS=570	DEC		TOT OBS=558
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
S 240	: 132: 26: 2: 0: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
O 180	: 191: 41: 5: 2: 1: 0: 0: 0:		: 96: 11: 1: 2: 1: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
L 120	: 72: 15: 8: 1: 1: 0: 0: 0:		: 207: 34: 13: 4: 2: 2: 1: 0:		: 271: 48: 12: 0: 5: 1: 0: 0:		: 271: 48: 12: 0: 5: 1: 0: 0:	
60	: 73: 13: 1: 4: 0: 0: 0: 0:		: 149: 31: 9: 6: 0: 0: 1: 0:		: 178: 31: 9: 0: 0: 1: 2: 0:		: 178: 31: 9: 0: 0: 1: 2: 0:	
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:	
	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		

TABLE C-34. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- NORTH OMAHA, NEBRASKA

JAN		TOT OBS=556		FEB		TOT OBS=508		MAR		TOT OBS=557								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	0	0	0	0	0	0	0	0	0	0	0							
O 180	5	1	1	0	0	0	0	0	0	0	0							
L 120	220	84	46	15	10	6	4	6	61	29	12							
60	81	28	17	14	8	3	1	8	39	22	14							
0	0	0	0	0	0	0	0	0	17	20	7							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL										
APR		TOT OBS=540		MAY		TOT OBS=558		JUN		TOT OBS=569								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	30	19	3	3	2	1	0	2	13	1	1							
N 300	79	43	27	22	9	4	3	4	176	68	25							
S 240	29	26	17	12	5	2	1	3	68	30	14							
O 180	20	21	13	6	2	3	0	5	48	17	7							
L 120	22	19	21	7	3	6	2	1	36	14	3							
60	3	15	14	4	4	1	1	1	13	5	2							
0	0	0	0	0	0	0	0	0	4	2	1							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL										
JUL		TOT OBS=589		AUG		TOT OBS=589		SEP		TOT OBS=570								
>360	1	1	0	0	0	0	0	0	0	0	0							
I 360	242	56	10	1	0	0	0	0	0	0	0							
N 300	98	26	3	1	0	1	0	0	0	0	0							
S 240	52	11	2	1	0	0	0	0	0	0	0							
O 180	41	10	1	0	0	0	0	0	0	0	0							
L 120	23	4	0	0	0	0	0	0	0	0	0							
60	3	0	0	1	0	0	0	0	0	0	0							
0	0	0	0	0	0	0	0	0	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL										
OCT		TOT OBS=589		NOV		TOT OBS=570		DEC		TOT OBS=558								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	0	0	0	0	0	0	0	0	0	0	0							
O 180	113	35	11	1	0	0	1	0	0	0	0							
L 120	149	64	20	4	1	0	1	1	0	0	0							
60	54	20	9	6	4	1	2	1	0	0	0							
0	51	19	14	2	1	3	0	1	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL				WIND POWER-TOTAL				WIND POWER-TOTAL										

TABLE C-35. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- RAPID CITY, SOUTH DAKOTA

JAN		TOT OBS=773		FEB		TOT OBS=704		MAR		TOT OBS=774	
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	19: 6: 0: 3: 0: 1: 0: 0:	195: 56: 31: 18: 11: 9: 8: 2:	105: 36: 28: 18: 9: 4: 4: 1:	77: 26: 19: 9: 7: 4: 4: 5:
S 240-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	1: 2: 0: 0: 0: 0: 0: 0:	1: 2: 0: 0: 0: 0: 0: 0:	195: 56: 31: 18: 11: 9: 8: 2:	105: 36: 28: 18: 9: 4: 4: 1:	77: 26: 19: 9: 7: 4: 4: 5:	27: 13: 2: 1: 4: 2: 3: 7:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700
O 180-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	212: 53: 27: 14: 7: 5: 5: 1:	212: 53: 27: 14: 7: 5: 5: 1:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700				
L 120-	388: 62: 41: 21: 10: 4: 1: 0:	388: 62: 41: 21: 10: 4: 1: 0:	177: 37: 17: 12: 7: 8: 2: 2:	177: 37: 17: 12: 7: 8: 2: 2:	WIND POWER-DAY						
60-	169: 36: 13: 15: 6: 3: 4: 0:	169: 36: 13: 15: 6: 3: 4: 0:	73: 18: 5: 7: 4: 6: 1: 1:	73: 18: 5: 7: 4: 6: 1: 1:	WIND POWER-DAY						
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	WIND POWER-DAY						
0	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	WIND POWER-DAY						
APR		TOT OBS=739		MAY		TOT OBS=769		JUN		TOT OBS=740	
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360-	42: 8: 2: 1: 1: 0: 0: 0:	42: 8: 2: 1: 1: 0: 0: 0:	169: 62: 36: 12: 5: 3: 1: 0:	169: 62: 36: 12: 5: 3: 1: 0:	265: 87: 40: 12: 4: 1: 0: 0:	265: 87: 40: 12: 4: 1: 0: 0:	81: 38: 8: 2: 1: 3: 1: 2:	51: 19: 6: 0: 2: 1: 1: 0:	49: 16: 5: 4: 0: 0: 0: 0:	22: 7: 5: 4: 1: 1: 0: 1:	0: 0: 0: 0: 0: 0: 0: 0:
N 300-	147: 57: 32: 19: 12: 3: 1: 5:	147: 57: 32: 19: 12: 3: 1: 5:	91: 49: 18: 17: 8: 2: 3: 1:	91: 49: 18: 17: 8: 2: 3: 1:	81: 38: 8: 2: 1: 3: 1: 2:	51: 19: 6: 0: 2: 1: 1: 0:	49: 16: 5: 4: 0: 0: 0: 0:	22: 7: 5: 4: 1: 1: 0: 1:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700
S 240-	59: 39: 24: 16: 10: 8: 3: 1:	59: 39: 24: 16: 10: 8: 3: 1:	43: 25: 17: 10: 3: 3: 4: 1:	43: 25: 17: 10: 3: 3: 4: 1:	81: 38: 8: 2: 1: 3: 1: 2:	51: 19: 6: 0: 2: 1: 1: 0:	49: 16: 5: 4: 0: 0: 0: 0:	22: 7: 5: 4: 1: 1: 0: 1:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700
O 180-	40: 23: 21: 11: 2: 4: 2: 5:	40: 23: 21: 11: 2: 4: 2: 5:	47: 29: 6: 2: 6: 1: 1: 2:	47: 29: 6: 2: 6: 1: 1: 2:	49: 16: 5: 4: 0: 0: 0: 0:	22: 7: 5: 4: 1: 1: 0: 1:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
L 120-	42: 14: 15: 10: 5: 5: 7: 3:	42: 14: 15: 10: 5: 5: 7: 3:	27: 27: 10: 7: 2: 0: 3: 4:	27: 27: 10: 7: 2: 0: 3: 4:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
60-	20: 6: 3: 2: 3: 3: 0: 3:	20: 6: 3: 2: 3: 3: 0: 3:	3: 2: 1: 1: 1: 1: 1: 2:	3: 2: 1: 1: 1: 1: 1: 2:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	WIND POWER-DAY						
0	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	WIND POWER-DAY						
JUL		TOT OBS=764		AUG		TOT OBS=770		SEP		TOT OBS=743	
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360-	326: 40: 23: 10: 6: 1: 0: 0:	326: 40: 23: 10: 6: 1: 0: 0:	115: 29: 10: 6: 0: 0: 1: 0:	115: 29: 10: 6: 0: 0: 1: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300-	136: 49: 10: 1: 0: 0: 0: 1:	136: 49: 10: 1: 0: 0: 0: 1:	297: 73: 16: 6: 5: 2: 0: 0:	297: 73: 16: 6: 5: 2: 0: 0:	130: 25: 9: 4: 2: 0: 0: 0:	130: 25: 9: 4: 2: 0: 0: 0:	255: 60: 20: 14: 4: 0: 0: 0:	74: 33: 6: 9: 0: 2: 1: 0:	52: 10: 4: 3: 3: 1: 0: 0:	11: 7: 3: 1: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
S 240-	47: 15: 5: 0: 0: 0: 0: 0:	47: 15: 5: 0: 0: 0: 0: 0:	87: 23: 9: 3: 3: 2: 0: 0:	87: 23: 9: 3: 3: 2: 0: 0:	255: 60: 20: 14: 4: 0: 0: 0:	74: 33: 6: 9: 0: 2: 1: 0:	52: 10: 4: 3: 3: 1: 0: 0:	11: 7: 3: 1: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
O 180-	24: 11: 5: 1: 0: 0: 0: 0:	24: 11: 5: 1: 0: 0: 0: 0:	40: 10: 5: 2: 0: 0: 1: 0:	40: 10: 5: 2: 0: 0: 1: 0:	74: 33: 6: 9: 0: 2: 1: 0:	52: 10: 4: 3: 3: 1: 0: 0:	11: 7: 3: 1: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
L 120-	9: 2: 0: 0: 0: 0: 0: 0:	9: 2: 0: 0: 0: 0: 0: 0:	19: 5: 0: 1: 1: 0: 0: 0:	19: 5: 0: 1: 1: 0: 0: 0:	52: 10: 4: 3: 3: 1: 0: 0:	11: 7: 3: 1: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
60-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	1: 0: 0: 0: 0: 0: 0: 0:	1: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	WIND POWER-DAY						
0	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	WIND POWER-DAY						
OCT		TOT OBS=774		NOV		TOT OBS=750		DEC		TOT OBS=742	
>360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
I 360-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
N 300-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
S 240-	71: 11: 6: 2: 0: 0: 0: 0:	71: 11: 6: 2: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
O 180-	323: 83: 36: 16: 11: 8: 0: 0:	323: 83: 36: 16: 11: 8: 0: 0:	50: 9: 6: 3: 0: 0: 0: 0:	50: 9: 6: 3: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
L 120-	79: 23: 14: 14: 5: 3: 0: 0:	79: 23: 14: 14: 5: 3: 0: 0:	366: 68: 47: 19: 9: 7: 1: 0:	366: 68: 47: 19: 9: 7: 1: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
60-	36: 14: 7: 4: 3: 5: 0: 0:	36: 14: 7: 4: 3: 5: 0: 0:	104: 22: 19: 14: 3: 3: 0: 0:	104: 22: 19: 14: 3: 3: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:
0-	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	0: 0: 0: 0: 0: 0: 0: 0:	WIND POWER-DAY						
0	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	0: 100: 200: 300: 400: 500: 600: 700: >700	WIND POWER-DAY						
WIND POWER-DAY		WIND POWER-DAY		WIND POWER-DAY		WIND POWER-DAY		WIND POWER-DAY		WIND POWER-DAY	

TABLE C-37. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- SIOUX FALLS, SOUTH DAKOTA

JAN		TOT OBS=775		FEB		TOT OBS=706		MAR		TOT OBS=775								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	0	0	0	0	0	0	0	0	0	0	0							
O 180	0	0	0	0	0	0	0	0	0	0	0							
L 120	394	63	17	7	2	2	0	0	93	57	19							
60	206	47	19	8	4	4	1	1	41	23	4							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
APR		TOT OBS=746		MAY		TOT OBS=775		JUN		TOT OBS=750								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	21	10	4	2	1	0	0	0	257	100	29							
N 300	146	86	31	21	13	4	4	2	84	38	9							
S 240	37	32	19	4	7	2	2	2	62	22	8							
O 180	46	37	16	6	3	4	0	4	58	17	8							
L 120	56	46	25	9	5	3	2	2	20	10	1							
60	15	6	3	2	2	1	0	1	1	0	0							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
JUL		TOT OBS=775		AUG		TOT OBS=775		SEP		TOT OBS=750								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	322	49	14	2	2	0	0	0	0	0	0							
N 300	152	32	6	0	1	0	0	0	93	25	6							
S 240	69	11	1	0	0	0	0	0	250	83	11							
O 180	30	18	3	0	0	0	0	0	79	30	7							
L 120	21	1	0	0	0	0	0	0	88	26	5							
60	0	1	0	0	0	0	0	0	31	2	2							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										
OCT		TOT OBS=775		NOV		TOT OBS=750		DEC		TOT OBS=744								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	86	21	7	5	1	1	0	0	0	0	0							
O 180	286	75	17	12	0	1	0	0	0	0	0							
L 120	115	39	7	2	1	0	0	0	315	47	11							
60	64	22	5	2	2	1	1	0	276	54	24							
0																		
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY										

TABLE C-38. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- SIOUX FALLS, SOUTH DAKOTA

JAN		TOT OBS=775	FEB		TOT OBS=706	MAR		TOT OBS=775
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
N 300-	: 0: 0: 0: 0: 0: 0: 0: 0:							
S 240-	: 0: 0: 0: 0: 0: 0: 0: 0:							
O 180-	: 0: 0: 0: 0: 0: 0: 0: 0:							
L 120-	: 180: 70: 40: 13: 13: 0: 2: 2:							
60-	: 258: 124: 53: 24: 10: 6: 8: 2:							
0-	: 124: 66: 36: 21: 17: 5: 5: 16:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
APR		TOT OBS=746	MAY		TOT OBS=775	JUN		TOT OBS=750
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 14: 13: 6: 4: 1: 0: 0: 0:							
N 300-	: 106: 77: 50: 29: 15: 12: 9: 9:							
S 240-	: 27: 26: 21: 8: 6: 8: 2: 5:							
O 180-	: 31: 27: 21: 13: 12: 6: 3: 3:							
L 120-	: 31: 35: 32: 14: 17: 10: 1: 8:							
60-	: 0: 6: 8: 1: 3: 2: 2: 2:							
0-	: 0: 0: 0: 0: 0: 0: 0: 0:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 274: 112: 27: 9: 6: 1: 0: 0:							
N 300-	: 136: 26: 16: 2: 1: 0: 0: 0:							
S 240-	: 62: 15: 2: 2: 0: 0: 0: 0:							
O 180-	: 25: 17: 7: 2: 0: 0: 0: 0:							
L 120-	: 19: 3: 0: 0: 0: 0: 0: 0:							
60-	: 0: 1: 0: 0: 0: 0: 0: 0:							
0-	: 0: 0: 0: 0: 0: 0: 0: 0:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
OCT		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=744
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
N 300-	: 0: 0: 0: 0: 0: 0: 0: 0:							
S 240-	: 66: 29: 15: 4: 5: 3: 0: 1:							
O 180-	: 207: 106: 40: 20: 12: 4: 1: 1:							
L 120-	: 73: 57: 22: 5: 1: 3: 1: 2:							
60-	: 40: 25: 13: 7: 6: 1: 0: 5:							
0-	: 0: 0: 0: 0: 0: 0: 0: 0:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
FEB		TOT OBS=706	MAY		TOT OBS=775	AUG		TOT OBS=775
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
N 300-	: 0: 0: 0: 0: 0: 0: 0: 0:							
S 240-	: 0: 0: 0: 0: 0: 0: 0: 0:							
O 180-	: 0: 0: 0: 0: 0: 0: 0: 0:							
L 120-	: 180: 70: 40: 13: 13: 0: 2: 2:							
60-	: 94: 58: 28: 16: 8: 4: 5: 5:							
0-	: 61: 43: 26: 15: 10: 5: 3: 5:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
MAY		TOT OBS=775	AUG		TOT OBS=775	NOV		TOT OBS=750
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 157: 85: 45: 24: 8: 8: 4: 0:							
N 300-	: 51: 47: 25: 13: 10: 2: 4: 1:							
S 240-	: 31: 28: 13: 7: 3: 1: 1: 1:							
O 180-	: 33: 35: 26: 14: 9: 2: 0: 2:							
L 120-	: 20: 20: 11: 9: 7: 2: 2: 1:							
60-	: 3: 3: 2: 1: 3: 0: 0: 1:							
0-	: 0: 0: 0: 0: 0: 0: 0: 0:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
AUG		TOT OBS=775	NOV		TOT OBS=750	DEC		TOT OBS=744
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 60: 19: 5: 2: 0: 0: 0: 0:							
N 300-	: 250: 120: 36: 12: 2: 0: 0: 0:							
S 240-	: 85: 34: 7: 1: 1: 1: 0: 1:							
O 180-	: 55: 14: 7: 2: 1: 0: 0: 0:							
L 120-	: 33: 19: 5: 0: 0: 1: 0: 0:							
60-	: 1: 3: 0: 0: 0: 0: 0: 0:							
0-	: 0: 0: 0: 0: 0: 0: 0: 0:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
NOV		TOT OBS=750	DEC		TOT OBS=744	JAN		TOT OBS=775
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
N 300-	: 0: 0: 0: 0: 0: 0: 0: 0:							
S 240-	: 0: 0: 0: 0: 0: 0: 0: 0:							
O 180-	: 0: 0: 0: 0: 0: 0: 0: 0:							
L 120-	: 32: 18: 7: 1: 1: 2: 0: 0:							
60-	: 220: 130: 42: 21: 13: 5: 5: 11:							
0-	: 90: 66: 37: 21: 9: 4: 4: 11:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								
DEC		TOT OBS=744	JAN		TOT OBS=775	FEB		TOT OBS=706
>360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
I 360-	: 0: 0: 0: 0: 0: 0: 0: 0:							
N 300-	: 0: 0: 0: 0: 0: 0: 0: 0:							
S 240-	: 0: 0: 0: 0: 0: 0: 0: 0:							
O 180-	: 0: 0: 0: 0: 0: 0: 0: 0:							
L 120-	: 0: 0: 0: 0: 0: 0: 0: 0:							
60-	: 226: 88: 33: 14: 13: 1: 3: 3:							
0-	: 178: 84: 43: 21: 14: 10: 5: 8:							
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL								

TABLE C-19. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- SPRINGFIELD, ILLINOIS

JAN		TOT OBS=774		FEB		TOT OBS=707		MAR		TOT OBS=773								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	26	12	4	1							
S 240	0	0	0	0	0	0	0	152	51	32	12							
O 180	47	26	4	1	1	1	0	75	52	21	5							
L 120	253	93	22	15	1	0	0	108	64	21	10							
60	211	64	15	9	5	1	1	44	28	8	4							
0	0	0	0	0	0	0	0	0	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700

WIND POWER-DAY

WIND POWER-DAY

WIND POWER-DAY

APR		TOT OBS=747		MAY		TOT OBS=772		JUN		TOT OBS=745								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	42	4	1	2	0	0	0	303	63	12	3							
N 300	135	78	25	6	4	4	2	110	39	2	2							
S 240	51	41	22	6	7	2	2	79	19	5	2							
O 180	54	39	12	11	1	2	1	43	14	8	2							
L 120	62	44	31	11	3	0	2	21	11	2	0							
60	12	6	7	0	1	1	1	2	0	0	0							
0	0	0	0	0	0	0	0	0	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700

WIND POWER-DAY

WIND POWER-DAY

WIND POWER-DAY

JUL		TOT OBS=746		AUG		TOT OBS=763		SEP		TOT OBS=747								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	231	71	3	1	0	0	0	0	0	0	0							
N 300	174	21	1	0	0	0	0	144	9	2	0							
S 240	26	6	2	0	0	0	0	285	44	5	0							
O 180	52	10	0	0	0	0	0	112	9	2	0							
L 120	26	2	0	0	0	0	0	86	19	3	0							
60	0	0	0	0	0	0	0	23	3	1	0							
0	0	0	0	0	0	0	0	0	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700

WIND POWER-DAY

WIND POWER-DAY

WIND POWER-DAY

OCT		TOT OBS=772		NOV		TOT OBS=748		DEC		TOT OBS=742								
>360	0	0	0	0	0	0	0	0	0	0	0							
I 360	0	0	0	0	0	0	0	0	0	0	0							
N 300	0	0	0	0	0	0	0	0	0	0	0							
S 240	155	27	5	1	1	1	0	0	0	0	0							
O 180	245	61	15	2	1	0	0	0	0	0	0							
L 120	111	27	6	3	1	0	0	238	89	28	6							
60	74	15	5	1	1	0	0	259	80	23	6							
0	0	0	0	0	0	0	0	0	0	0	0							
	0	100	200	300	400	500	600	700	>700	0	100	200	300	400	500	600	700	>700

WIND POWER-DAY

WIND POWER-DAY

WIND POWER-DAY

TABLE C-40. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- SPRINGFIELD, ILLINOIS

JAN		TOT OBS=774	FEB		TOT OBS=707	MAR		TOT OBS=773
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 15: 14: 5: 6: 2: 1: 0: 1:			
O 180	: 23: 21: 16: 10: 0: 1: 1: 2:		: 21: 15: 16: 6: 4: 2: 1: 1:		: 92: 56: 41: 29: 18: 6: 7: 14:			
L 120	: 134: 110: 71: 40: 16: 10: 8: 5:		: 102: 78: 58: 41: 10: 8: 4: 6:		: 33: 42: 38: 21: 13: 5: 2: 9:			
60	: 95: 85: 46: 35: 17: 12: 5: 11:		: 45: 41: 32: 13: 12: 5: 4: 5:		: 53: 57: 37: 25: 12: 10: 6: 17:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 53: 43: 41: 19: 8: 6: 1: 6:		: 10: 23: 21: 11: 7: 9: 2: 3:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=747	MAY		TOT OBS=772	JUN		TOT OBS=745
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 26: 16: 1: 2: 2: 0: 0: 0:		: 170: 72: 28: 11: 11: 4: 1: 0:		: 281: 73: 20: 5: 1: 2: 1: 0:			
N 300	: 90: 75: 46: 18: 15: 6: 2: 7:		: 62: 46: 22: 20: 6: 3: 2: 0:		: 93: 46: 11: 2: 1: 0: 0: 0:			
S 240	: 29: 29: 28: 18: 14: 6: 3: 4:		: 47: 32: 14: 7: 6: 5: 1: 0:		: 66: 23: 12: 2: 2: 1: 0: 0:			
O 180	: 27: 32: 29: 8: 12: 4: 2: 4:		: 41: 34: 17: 3: 1: 0: 2: 4:		: 35: 16: 14: 0: 1: 1: 0: 0:			
L 120	: 26: 46: 27: 22: 16: 9: 4: 4:		: 33: 29: 19: 4: 3: 3: 0: 1:		: 14: 12: 6: 2: 0: 0: 0: 0:			
60	: 6: 6: 5: 7: 5: 0: 0: 3:		: 4: 5: 1: 0: 0: 1: 1: 0:		: 0: 2: 0: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=756	AUG		TOT OBS=763	SEP		TOT OBS=747
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 314: 41: 10: 0: 1: 0: 0: 0:		: 54: 3: 1: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 164: 26: 6: 0: 0: 0: 0: 0:		: 267: 47: 5: 0: 1: 0: 0: 0:		: 133: 18: 3: 0: 1: 0: 0: 0:			
S 240	: 89: 14: 2: 1: 0: 0: 0: 0:		: 113: 25: 1: 0: 0: 0: 0: 0:		: 248: 67: 13: 6: 0: 0: 0: 0:			
O 180	: 59: 9: 4: 0: 0: 0: 0: 0:		: 76: 11: 0: 0: 0: 0: 0: 0:		: 84: 33: 4: 1: 1: 0: 0: 0:			
L 120	: 24: 4: 0: 0: 0: 0: 0: 0:		: 45: 7: 0: 0: 0: 0: 0: 0:		: 67: 28: 9: 2: 2: 0: 0: 0:			
60	: 0: 0: 0: 0: 0: 0: 0: 0:		: 7: 0: 0: 0: 0: 0: 0: 0:		: 19: 4: 3: 0: 0: 1: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=772	NOV		TOT OBS=748	DEC		TOT OBS=742
>360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 130: 55: 11: 4: 3: 0: 0: 1:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 169: 95: 41: 11: 5: 1: 2: 0:		: 82: 47: 29: 11: 9: 5: 1: 1:		: 0: 0: 0: 0: 0: 0: 0: 0:			
L 120	: 77: 37: 20: 8: 1: 3: 2: 0:		: 118: 89: 40: 28: 12: 7: 4: 13:		: 130: 94: 60: 42: 20: 13: 1: 4:			
60	: 44: 28: 12: 5: 3: 2: 1: 1:		: 84: 69: 43: 23: 8: 7: 6: 12:		: 135: 100: 52: 39: 21: 10: 6: 15:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:		: 0: 0: 0: 0: 0: 0: 0: 0:			
0	0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700		0 100 200 300 400 500 600 700 >700			
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-41. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- SPRINGFIELD, MISSOURI

JAN		TOT OBS=771		FEB		TOT OBS=704		MAR		TOT OBS=773	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 6: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 62: 30: 10: 2: 1: 1: 0: 0:			
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:			: 87: 19: 4: 2: 0: 0: 0: 0:				: 156: 59: 30: 12: 6: 3: 0: 0:			
O 180	: 192: 43: 4: 0: 0: 0: 0: 0:			: 190: 59: 12: 3: 2: 0: 0: 0:				: 68: 33: 19: 6: 5: 1: 0: 0:			
L 120	: 206: 50: 18: 3: 3: 0: 0: 0:			: 128: 35: 12: 3: 1: 0: 0: 0:				: 104: 62: 18: 6: 3: 0: 1: 0:			
60	: 186: 47: 15: 1: 1: 0: 0: 0:			: 97: 33: 13: 2: 1: 1: 0: 0:				: 28: 30: 10: 4: 1: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
APR		TOT OBS=747		MAY		TOT OBS=774		JUN		TOT OBS=744	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 53: 15: 4: 1: 1: 1: 0: 0:			: 227: 55: 10: 2: 1: 0: 0: 0:				: 304: 56: 9: 5: 1: 0: 0: 0:			
N 300	: 155: 78: 28: 11: 2: 2: 1: 0:			: 119: 34: 14: 1: 1: 0: 0: 0:				: 135: 21: 7: 0: 0: 0: 0: 0:			
S 240	: 61: 76: 13: 4: 3: 0: 1: 0:			: 76: 23: 8: 2: 2: 0: 0: 0:				: 74: 18: 1: 0: 0: 0: 0: 0:			
O 180	: 65: 44: 19: 4: 1: 0: 0: 0:			: 73: 25: 9: 1: 0: 0: 0: 0:				: 71: 7: 1: 0: 0: 0: 0: 0:			
L 120	: 59: 45: 14: 3: 0: 0: 1: 0:			: 66: 14: 5: 0: 0: 0: 0: 0:				: 25: 6: 0: 0: 0: 0: 0: 0:			
60	: 10: 6: 2: 0: 1: 0: 1: 0:			: 5: 1: 0: 0: 0: 0: 0: 0:				: 2: 1: 0: 0: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
JUL		TOT OBS=774		AUG		TOT OBS=773		SEP		TOT OBS=749	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 345: 24: 2: 0: 0: 0: 0: 0:			: 66: 4: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 174: 14: 1: 0: 0: 0: 0: 0:			: 408: 28: 0: 1: 0: 0: 0: 0:				: 183: 25: 3: 1: 0: 0: 0: 0:			
S 240	: 100: 5: 1: 0: 0: 0: 0: 0:			: 121: 9: 0: 0: 0: 0: 0: 0:				: 251: 29: 7: 0: 2: 0: 0: 0:			
O 180	: 63: 3: 1: 0: 0: 0: 0: 0:			: 62: 2: 0: 0: 0: 0: 0: 0:				: 95: 12: 2: 0: 0: 0: 0: 0:			
L 120	: 33: 1: 0: 0: 0: 0: 0: 0:			: 49: 1: 0: 0: 0: 0: 0: 0:				: 104: 6: 0: 1: 0: 0: 0: 0:			
60	: 2: 1: 1: 0: 0: 0: 0: 0:			: 2: 0: 0: 0: 0: 0: 0: 0:				: 22: 3: 0: 1: 0: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
OCT		TOT OBS=756		NOV		TOT OBS=747		DEC		TOT OBS=740	
>360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
I 360	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
S 240	: 271: 24: 1: 1: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
O 180	: 188: 40: 12: 1: 0: 0: 0: 0:			: 284: 55: 9: 1: 0: 0: 0: 0:				: 24: 2: 0: 0: 0: 0: 0: 0:			
L 120	: 113: 21: 4: 0: 0: 0: 0: 0:			: 141: 37: 9: 5: 0: 0: 0: 0:				: 343: 68: 12: 2: 1: 0: 0: 0:			
60	: 55: 15: 0: 0: 0: 0: 0: 0:			: 164: 32: 7: 3: 0: 0: 0: 0:				: 218: 58: 9: 2: 1: 0: 0: 0:			
0	: 0: 0: 0: 0: 0: 0: 0: 0:			: 0: 0: 0: 0: 0: 0: 0: 0:				: 0: 0: 0: 0: 0: 0: 0: 0:			
	0 100 200 300 400 500 600 700 >700			0 100 200 300 400 500 600 700 >700				0 100 200 300 400 500 600 700 >700			
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			

TABLE C-42. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- SPRINGFIELD, MISSOURI

JAN		TOT OBS=771	FEB		TOT OBS=704	MAR		TOT OBS=773	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	
O 180	131	69	26	16	3	0	0	0	
L 120	129	71	31	39	9	1	3	1	
60	86	80	36	26	14	6	1	1	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
APR		TOT OBS=747	MAY		TOT OBS=774	JUN		TOT OBS=744	
>360	0	0	0	0	0	0	0	0	
I 360	37	27	5	3	1	1	0	1	
N 300	116	73	53	22	4	5	3	1	
S 240	39	37	20	15	1	1	3	2	
O 180	42	36	30	16	3	2	1	1	
L 120	30	43	27	12	6	3	0	1	
60	6	4	4	6	0	1	0	1	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
JUL		TOT OBS=774	AUG		TOT OBS=773	SEP		TOT OBS=749	
>360	0	0	0	0	0	0	0	0	
I 360	322	44	5	4	0	0	0	0	
N 300	158	29	1	1	0	0	0	0	
S 240	91	15	2	1	0	0	0	0	
O 180	56	9	2	0	0	0	0	0	
L 120	29	4	1	0	0	0	0	0	
60	2	1	0	1	0	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									
OCT		TOT OBS=756	NOV		TOT OBS=747	DEC		TOT OBS=746	
>360	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	
S 240	222	70	12	3	0	0	0	0	
O 180	152	54	21	10	2	1	1	0	
L 120	77	79	15	5	1	1	0	0	
60	36	17	14	3	0	0	0	0	
0	0	0	0	0	0	0	0	0	
	0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL									

TABLE C-43. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- WICHITA, KANSAS

JAN		TOT OBS=773	FEB		TOT OBS=703	MAR		TOT OBS=769
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0
O 180	266	70	21	8	5	2	0	0
L 120	134	48	24	7	2	0	1	0
60	106	42	18	9	6	1	1	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
APR		TOT OBS=744	MAY		TOT OBS=773	JUN		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	93	62	24	8	13	7	3	1
N 300	87	51	32	24	14	4	2	0
S 240	33	29	17	10	4	2	3	2
O 180	46	33	23	5	7	0	4	1
L 120	29	27	15	7	5	1	2	1
60	5	3	4	1	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
JUL		TOT OBS=772	AUG		TOT OBS=771	SEP		TOT OBS=746
>360	0	0	0	0	0	0	0	0
I 360	326	128	27	5	5	1	0	0
N 300	89	33	9	1	0	0	0	0
S 240	52	13	2	1	0	0	0	0
O 180	56	7	0	1	0	0	0	0
L 120	13	1	0	0	0	0	0	0
60	2	0	0	0	0	0	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								
OCT		TOT OBS=774	NOV		TOT OBS=744	DEC		TOT OBS=742
>360	0	0	0	0	0	0	0	0
I 360	0	0	0	0	0	0	0	0
N 300	0	0	0	0	0	0	0	0
S 240	267	94	26	9	12	1	0	0
O 180	107	47	18	7	5	1	1	0
L 120	75	33	10	4	4	2	0	0
60	32	16	2	0	0	1	0	0
0	0	100	200	300	400	500	600	700 >700
WIND POWER-DAY								

TABLE C-44. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- WICHITA, KANSAS

JAN		TOT OBS=773		FEB		TOT OBS=703		MAR		TOT OBS=769		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	0	0	0	
S 240	0	0	0	0	0	0	0	0	66	49	54	
O 180	0	0	0	0	0	0	0	0	53	53	48	
L 120	171	109	41	22	13	6	3	9	27	20	23	
60	79	54	30	19	16	9	7	2	42	38	21	
0	49	46	26	20	11	10	8	13	13	6	11	
	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
APR		TOT OBS=744		MAY		TOT OBS=773		JUN		TOT OBS=750		
>360	0	0	0	0	0	0	0	0	18	6	3	
I 360	66	51	35	22	7	14	5	11	166	93	63	
N 300	51	55	35	24	17	11	9	12	63	29	19	
S 240	18	24	14	16	9	11	3	5	31	31	17	
O 180	28	23	24	18	9	6	1	10	20	12	6	
L 120	10	26	15	13	9	5	3	6	4	6	5	
60	1	5	3	1	1	2	0	0	0	2	0	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
JUL		TOT OBS=772		AUG		TOT OBS=771		SEP		TOT OBS=746		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	251	148	52	26	7	3	4	1	0	0	0	
N 300	69	42	9	10	2	0	0	0	0	0	0	
S 240	41	19	6	1	0	1	0	0	178	92	35	
O 180	39	19	5	0	0	1	0	0	79	51	17	
L 120	11	2	1	0	0	0	0	0	43	31	13	
60	1	1	0	0	0	0	0	0	48	26	15	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
OCT		TOT OBS=774		NOV		TOT OBS=744		DEC		TOT OBS=742		
>360	0	0	0	0	0	0	0	0	0	0	0	
I 360	0	0	0	0	0	0	0	0	0	0	0	
N 300	0	0	0	0	0	0	0	0	0	0	0	
S 240	199	95	59	21	12	9	7	7	0	0	0	
O 180	71	49	23	21	9	8	2	3	0	0	0	
L 120	42	35	21	13	7	1	5	4	53	39	7	
60	11	20	12	5	2	0	0	1	172	101	52	
0	0	100	200	300	400	500	600	700	0	100	200	
	WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

Appendix D
SAMPLE GRAPHIC DATA

Sample plots are presented to illustrate one form the user could utilize in cross-plotting the data shown in Appendix A to look at the month to month variability of the empirical statistics. Presented in Figures D-1 through D-5 are computer generated plots showing one successive day (single occurrence) probabilities. These are the probabilities, by month, at or above defined thresholds, for Bismarck for the parameters insolation, wind-day, wind-night, wind-total and the combination insolation and wind-total. Roman numeral I on the plots is January, etc. A character defines a threshold as identified in the figure title. If 2 or more characters are at the same point on the plot, then the total number of points is shown and not the characters.

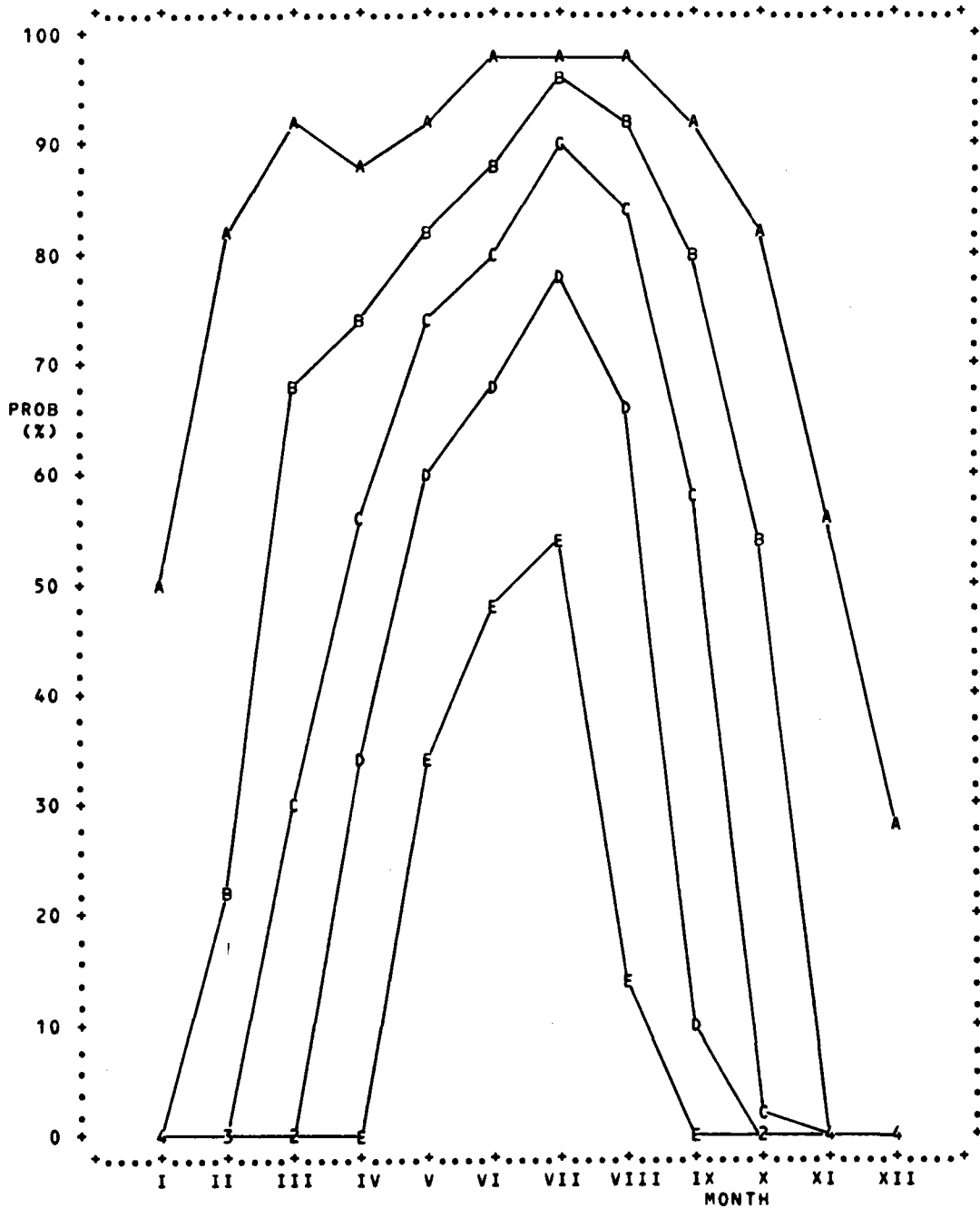


Figure D-1. PROBABILITY, VS MONTH, FOR INSOLATION EQ.OR.GT 5 THRESHOLDS -60,120,180,240,300 WATTS/M**2 (A,B,C,D,E) - 1 SUCCESSIVE DAY BISMARCK, NORTH DAKOTA

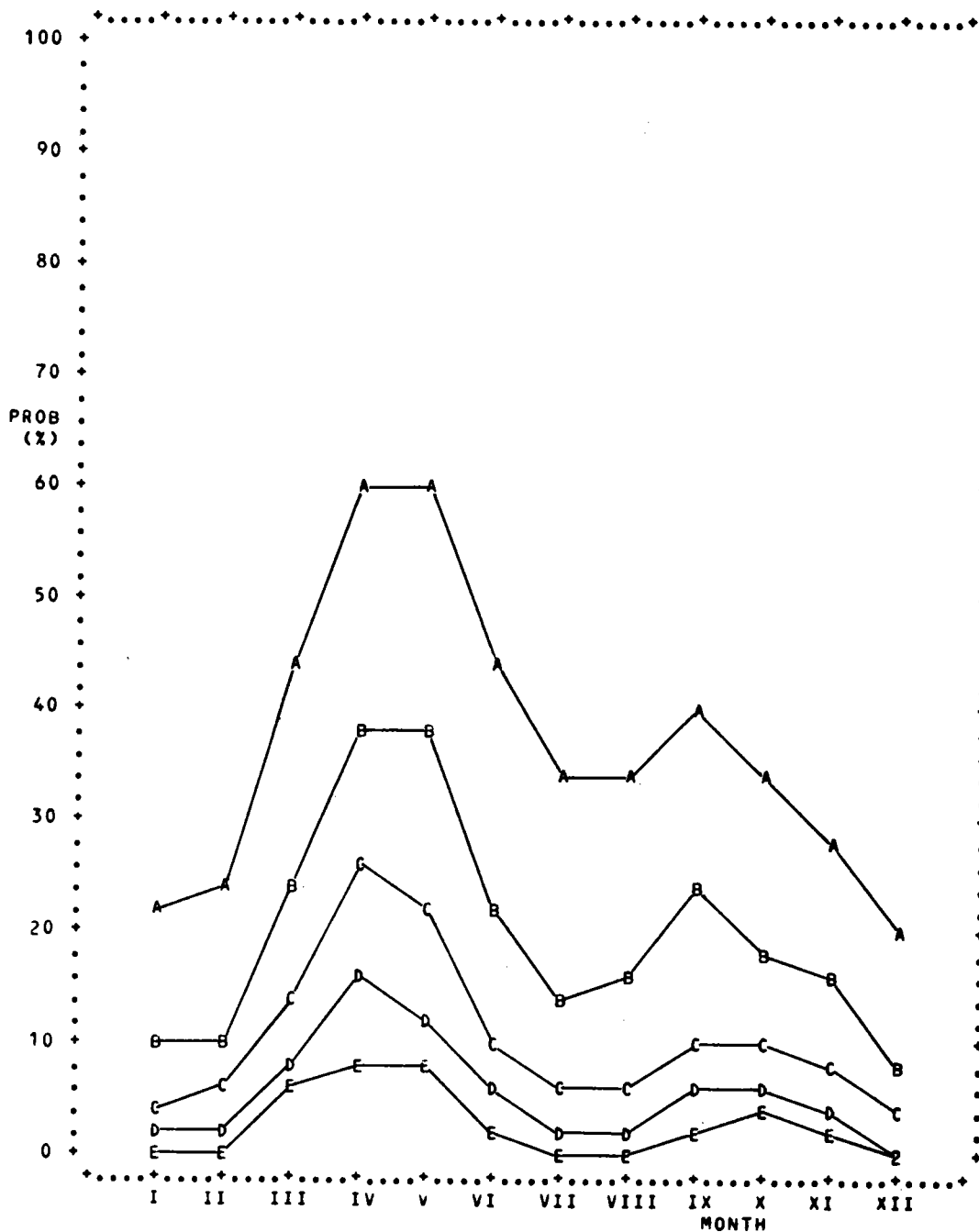


Figure D-2. PROBABILITY, VS MONTH, FOR WIND (DAY) EQ.OR.GT 5 THRESHOLDS
 -80,140,200,260,320 WATTS/M**2 (A,B,C,D,E) - 1 SUCCESSIVE DAY
 BISMARCK, NORTH DAKOTA

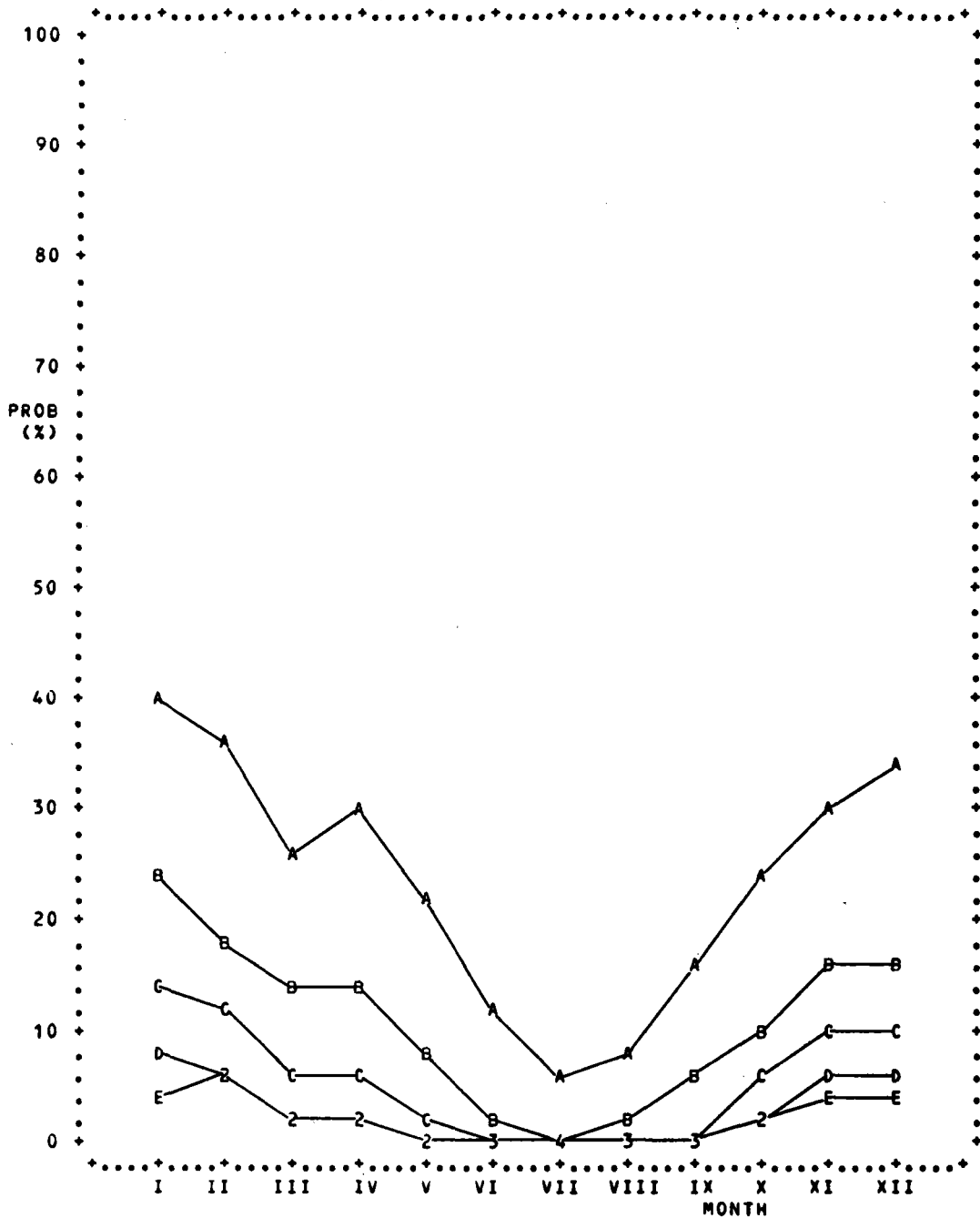


Figure D-3. PROBABILITY, VS MONTH, FOR WIND (NIGHT) EQ. OR. GT 5 THRESHOLDS -80,140,200,260,320 WATTS/M**2 (A,B,C,D,E) - 1 SUCCESSIVE DAY BISMARCK, NORTH DAKOTA

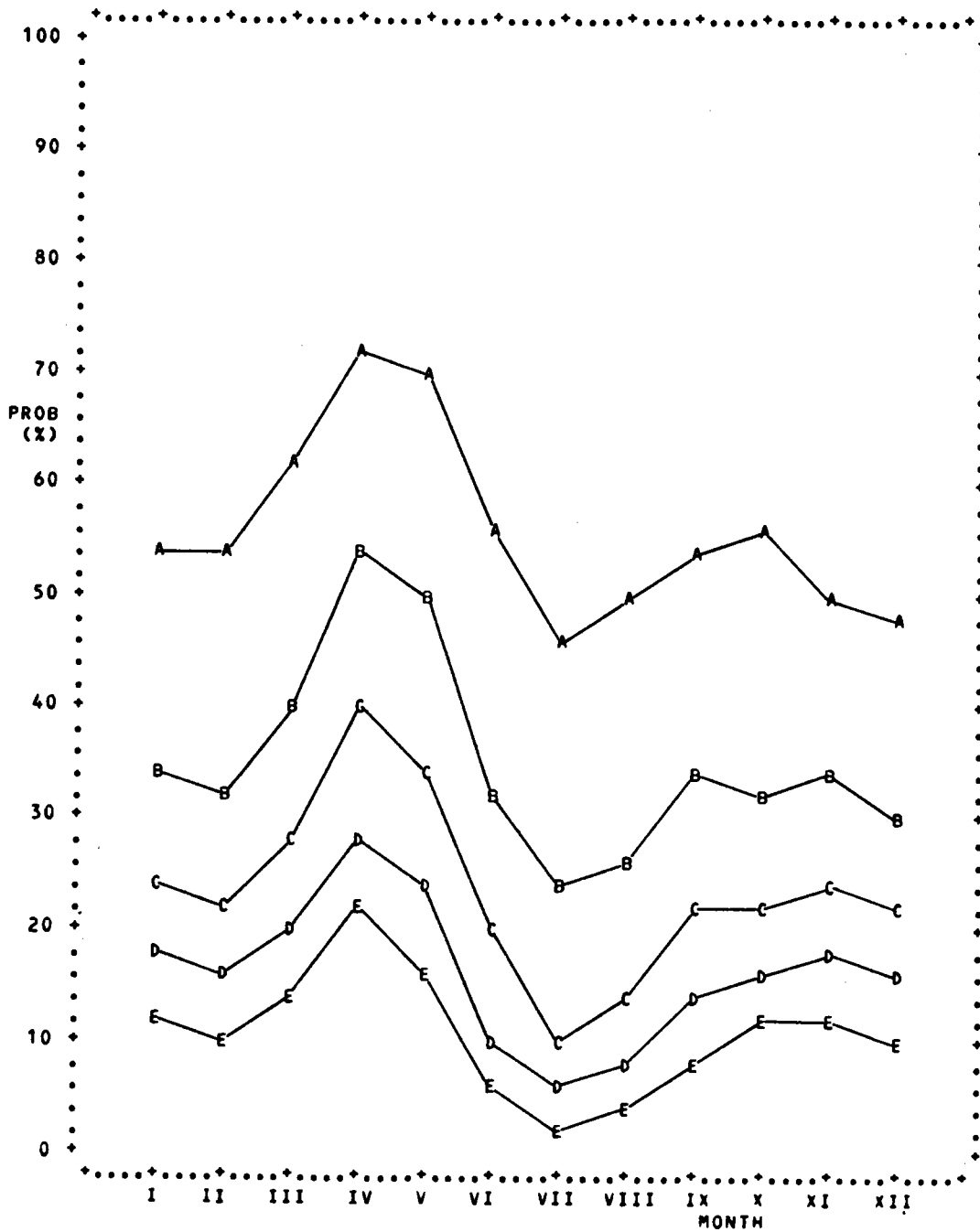


Figure D-4. PROBABILITY, VS MONTH, FOR WIND (TOTAL) EQ.OR.GT 5 THRESHOLDS -80,140,200,260,320 WATTS/M**2 (A,B,C,D,E) - 1 SUCCESSIVE DAY BISMARCK, NORTH DAKOTA

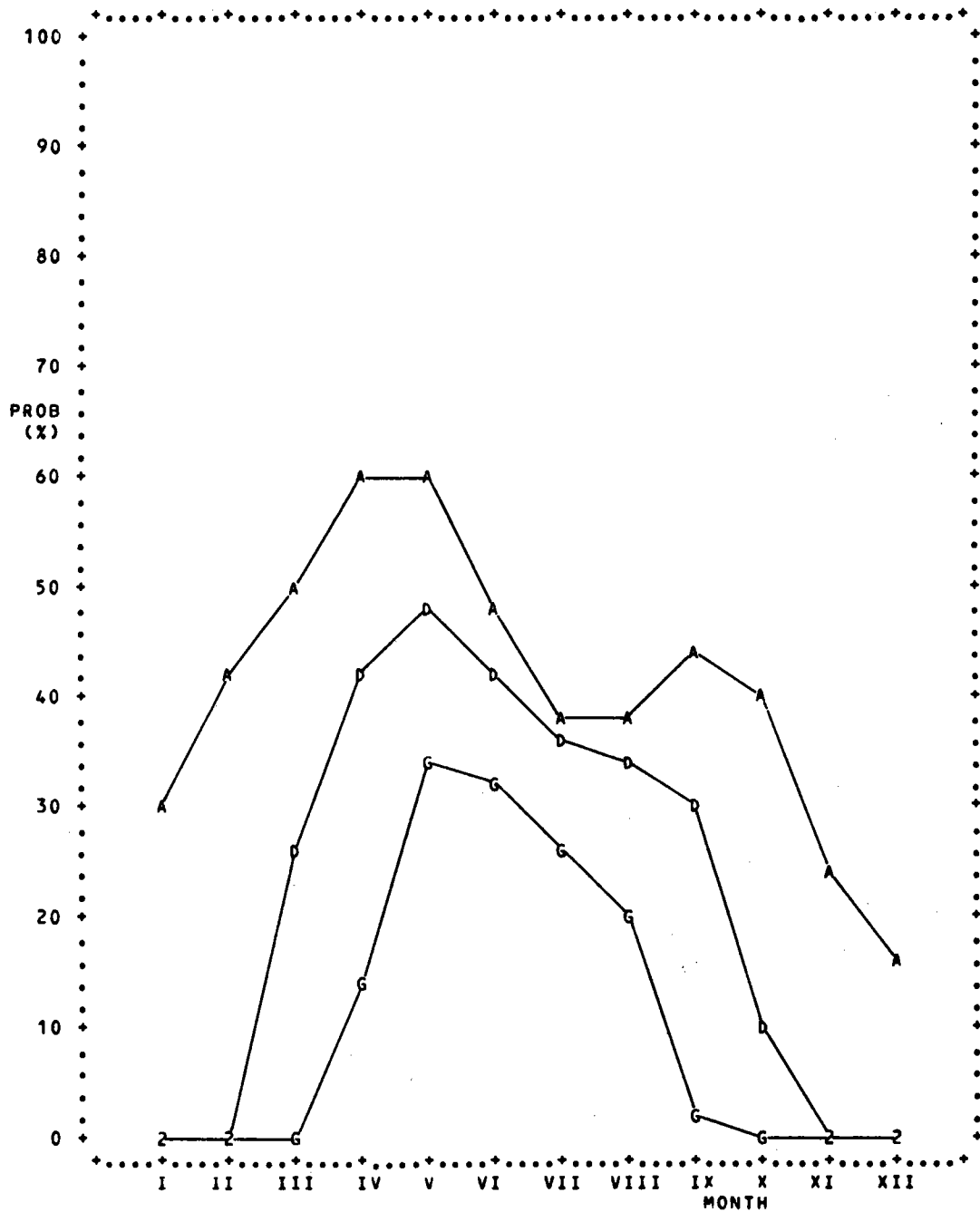


Figure D-5. PROBABILITY, VS MONTH, FOR COMBINATION INSOLATION - WIND (TOTAL) (1 SUCCESSIVE DAY) INSOL. EQ.OR.GT 50,150,250 WATTS/M**2 (A,D,G) FOR WIND (TOTAL) EQ.OR.GT 100 WATTS/M**2 BISMARCK, NORTH DAKOTA

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