Dr. 1807

MASTER

Site Insolation and Wind Power Characteristics

Technical Report Northeast 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

J

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

THIS PAGE
WAS INTENTIONALLY
LEFT BLANK

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Department of Energy, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Available from:

National Technical Information Service (NTIS)
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161

Price: Printed copy: \$9.00
Microfiche: \$4.00

Site Insolation and Wind Power Characteristics

Technical Report Northeast Region

Published August 1980

Prepared by:
Northrop Services Inc.
Huntsville, Alabama 35807
Under Contract No. AC-01-77-ET20160

DISCLAIMER

This book was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Prepared for:

U.S. Department of Energy
Assistant Secretary for Conservation & Solar Energy
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.

ACKNOWLEDGMENT

The author wishes to express his appreciation for the help and assistance provided by numerous individuals in the Northrop Services Engineering and Technology Center. Special recognition should be given to Miss Debbie Asher, Mr. John Okwu and Mr. Terry Asher. Particular acknowledgment is given to Mr. Marlin A. Sloan, Jr., Manager of Technology, for his helpful contributions and review comments.

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 Northeast Region of the U.S. Historic data (SOLMET), at 8 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.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
	FOREWORD.	ii
	ACKNOWLEDGMENT.	ii
	ABSTRACT.	iii
	LIST OF ILLUSTRATIONS	v
I	INTRODUCTION.	1-1
II	TECHNICAL APPROACH.	2-1
	2.1 METHODOLOGY.	2-1
	2.2 DATA REQUIREMENTS.	2-3
	2.3 STATISTICAL TECHNIQUES	2-6
III	INSOLATION AND WIND POWER STATISTICS.	3-1
	3.1 EMPIRICAL PROBABILITIES.	3-3
	3.2 INSOLATION ON INCLINED SURFACES.	3-6
	3.3 JOINT PROBABILITY DISTRIBUTION TABLES.	3-6
	3.4 SAMPLE GRAPHIC DATA.	3-7
	3.5 SUMMARY.	3-7
IV	REFERENCES.	4-1
	Appendix A - TABLES - SUCCESSIVE DAY AND PERSISTENCE PROBABILITIES.	A-1
	Appendix B - INSOLATION RELATED TO INCLINED SURFACES. . .	B-1
	Appendix C - JOINT PROBABILITY DISTRIBUTION TABLES. . . .	C-1
	Appendix D - SAMPLE GRAPHIC DATA.	D-1

LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1-1	SOLMET STATIONS. — NORTHEAST REGION.	1-2
2-1	STUDY METHODOLOGY OVERVIEW.	2-2
2-2	CODING MATRIX FOR INSOLATION AND WIND POWER INTERVALS . . .	2-5
3-1	DAILY AVERAGE WIND POWER VS. DAILY AVERAGE WIND SPEED . . .	3-4

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 Northeast Region of the United States. A total of 8 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 Northeast Region for this study was defined to conform to the responsible area of the DOE Northeast 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 — NORTHEAST 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 weeks 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 eight NOAA SOLMET stations selected in the Northeast 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	0-19	20-39	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	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9			
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	AO	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	BO	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	CO	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	DO	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	EO	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	FO	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	GO	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	HO	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	IO	I1	I2	I3	I4	I5	I6	I7	I8	I9			
90-99	J	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	jq	JR	JS	JT	JU	JV	JW	JX	JY	JZ	JO	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	KO	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	LO	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	MO	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	NO	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	OO	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	PO	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	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	QO	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	RO	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	SO	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	TO	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	UO	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	VO	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	WV	WW	WX	WY	WZ	WO	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	XO	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	YO	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	ZO	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	0O	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	1O	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	2O	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	3O	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	4O	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	5O	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	6O	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	7O	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	8O	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	9O	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 Northeast 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 Northeast 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
- NORTHEAST REGION**

HIGH WINDS	MODERATE WINDS	LOW WINDS
Boston, MA Caribou, ME New York, NY	Burlington, VT Syracuse, NY	Concord, NH Harrisburg, PA Lakehurst, NJ

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 preceeding 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 Northeast 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 Boston, 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 April at Boston can be seen, in Table A-1, to be 36%. The same successive day probability can be seen to be 54% in August.

Similar data are presented for Boston 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 Boston, 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 5%. Probabilities for persistence are shown in Tables A-7 through A-12 for Boston. Similar tabular data generated for the other Northeast 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 Boston. One can see, from Table C-1, that there were 32 days out of a total of 496 January days (16 years of data, since Boston has a shorter record) 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 Northeast 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 the 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

REFERENCES

1. Baumeister, T., Mechanical Engineers' Handbook, Mc-Graw-Hill Book Co., Sixth Edition, 1958.
2. Becker, C. F. and Boyd, J. S., "Solar Radiation Availability on Surfaces in the United States as Affected by Season, Orientation, Latitude, Altitude, and Cloudiness", Journal of Solar Engineering, Science & Engineering, VI, January 1957.
3. Carter, E. A., "Basic Relationships to Determine Wind Power and Solar Radiation Available from the Atmosphere", Proceedings of the Second Southeastern Conference on Applications of Solar Energy, Baton Rouge, Louisiana, ERDA CONF-760423, April 19-22, 1976, pp. 381-389.
4. Carter, E. A. and Graves, M. E., "A Procedure and Computer Program to Interrogate Weather Records and Infer the Probability that Combinations of Weather Criteria will be Satisfied", Northrop Services, Inc., Huntsville, Alabama, Technical Report, TR-230-1369, November 1974.
5. Changery, M. J., "(Initial) Wind Energy Data Assessment Study", Data Assessment Conference, Asheville, North Carolina, NSF-RA-N-75-020, July 1974.
6. Coty, U. A., "Wind Energy Mission Analysis - Final Report", Lockheed Calif. Co.-Burbank, ERDA SAN/1075-1/1, September 1976.
7. Graves, M. E., "An Evaluation of Environmental Constraints for Space Shuttle Launch and Landing Operations," Northrop Services, Inc., Technical Report, TR-230-1488, June 1975.
8. Gringorten, I. I., "A Stochastic Model of the Frequency and Duration of Weather Events", Journal of Applied Meteorology, 5, 1966, pp. 606-624.
9. Lund, I. A. and Grantham, D. D., "Estimating Hourly Persistence and Recurrence Probabilities of Persistence", Fourth Conference on Probability and Statistics in Atmospheric Sciences, Tallahassee, Florida, November 1975.
10. Reed, J. W., "Wind Power Climatology of the United States", Sandia Laboratories, Albuquerque, New Mexico, SAND74-0348, June 1975.
11. Solar-Climatic Statistical Study, U.S. Department of Energy No. HCP/T4016-02, Washington, D.C., February 1979.
12. SOLMET, Volume I-User's Manual, "Hourly Solar Radiation-Surface Meteorological Observations", National Climatic Center (NOAA), TD-9724, December 1977.
13. SOLMET, Volume II - Final Report, "Hourly Solar Radiation-Surface Meteorological Observations", National Climatic Center (NOAA), TD-9724, February 1979.

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.

TABLE OF CONTENTS

	<u>Page</u>
BOSTON, MA	A-3
BURLINGTON, VT	A-9
CARIBOU, ME.	A-15
CONCORD, NH.	A-21
HARRISBURG, PA	A-27
LAKEHURST, NJ.	A-33
NEW YORK, NY	A-39
SYRACUSE, NY	A-45

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

	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
60	56	20	8	3	43	10	3	1	69	34	16	8	30	2	0	0
120	0	0	0	0	99	99	98	96	33	7	1	0	66	35	16	8
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97
240	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	93
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
	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
60	90	77	66	56	9	0	0	0	94	85	77	70	5	0	0	0
120	79	55	37	25	20	2	0	0	83	64	49	37	16	2	0	0
180	69	38	19	11	30	6	1	0	74	48	32	20	25	4	0	0
240	50	17	6	2	49	17	7	2	59	30	12	4	40	12	3	0
300	21	2	0	0	78	50	33	21	33	8	1	0	66	36	19	12
	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
60	88	70	55	42	11	0	0	0	77	53	36	27	22	3	0	0
120	74	45	27	15	25	4	1	0	54	21	8	3	45	17	7	6
180	52	20	7	3	47	17	7	4	7	0	0	0	92	85	82	80
240	7	0	0	0	92	83	79	78	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

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

	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	45	11	3	1	54	18	6	1	50	18	7	4	50	17	7	3
140	26	4	0	0	73	42	23	13	30	5	0	0	70	39	21	6
200	16	1	0	0	83	61	45	33	18	0	0	0	82	55	35	22
260	9	0	0	0	90	74	60	49	12	0	0	0	88	67	51	37
320	5	0	0	0	94	84	75	68	8	0	0	0	92	76	63	51
	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	56	25	13	7	44	17	8	5	38	8	1	1	61	27	14	9
140	26	4	0	0	73	45	29	21	15	1	0	0	84	64	48	39
200	14	0	0	0	86	69	56	47	6	0	0	0	93	85	79	73
260	9	0	0	0	90	78	68	59	3	0	0	0	96	91	87	84
320	6	0	0	0	94	85	78	72	2	0	0	0	97	93	90	87
	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	31	5	0	0	68	36	22	15	31	5	0	0	68	35	16	8
140	13	0	0	0	86	68	53	41	15	1	0	0	84	64	47	36
200	4	0	0	0	95	86	78	70	8	1	0	0	91	79	66	55
260	3	0	0	0	96	91	85	80	4	0	0	0	95	87	79	72
320	2	0	0	0	97	93	88	85	2	0	0	0	97	91	86	80

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
0	73	45	27	15	26	4	0	0	65	37	22	16	35	8	2	0
140	52	19	7	2	47	15	5	1	44	17	8	5	56	25	10	5
200	34	7	2	0	65	34	16	8	30	5	1	0	70	39	21	12
250	24	2	0	0	75	48	28	16	20	2	0	0	80	56	39	27
320	17	1	0	0	82	60	43	31	14	0	0	0	86	66	51	39
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
0	31	7	1	0	69	43	29	19	18	3	1	0	81	61	47	38
140	10	0	0	0	90	78	70	64	2	0	0	0	97	91	86	83
200	4	0	0	0	96	88	82	78	0	0	0	0	99	98	98	97
260	1	0	0	0	99	97	95	92	0	0	0	0	99	98	98	97
320	0	0	0	0	99	97	96	93	0	0	0	0	99	98	98	97
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	17	3	1	0	82	64	50	39	39	12	4	2	60	30	16	8
140	4	0	0	0	95	86	78	70	20	2	0	0	79	55	37	26
200	1	0	0	0	98	94	91	86	9	1	0	0	90	76	63	52
260	0	0	0	0	99	97	96	93	6	0	0	0	93	84	74	67
320	0	0	0	0	99	97	96	94	4	0	0	0	95	90	84	78

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	82	58	42	30	17	1	0	0	79	53	35	26	20	2	0	0
140	68	36	18	9	31	7	0	0	64	34	21	14	36	8	2	0
200	54	18	6	2	45	14	3	1	53	22	10	5	47	14	6	2
260	44	11	3	1	55	22	6	1	41	13	4	3	59	27	11	5
320	32	5	0	0	67	38	19	10	33	8	1	0	67	34	16	8
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	79	58	44	34	20	5	2	0	68	40	23	14	31	7	3	1
140	53	24	12	6	46	20	9	4	34	8	1	1	65	35	20	13
200	32	7	1	0	67	41	27	19	19	3	0	0	80	59	43	33
260	20	3	0	0	79	58	46	36	10	1	0	0	89	76	64	55
320	15	1	0	0	85	67	55	47	5	0	0	0	94	86	78	73
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	56	25	15	10	43	13	6	3	65	34	18	9	34	7	1	0
140	31	6	1	0	68	38	24	16	42	12	4	1	57	24	10	4
200	16	1	0	0	83	61	45	34	28	6	0	0	71	41	22	13
260	9	0	0	0	90	78	67	57	18	2	0	0	82	60	42	31
320	5	0	0	0	94	86	78	70	13	2	0	0	86	68	52	40

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

	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	24	2	0	0	25	2	0	0	34	7	1	1	16	1	0	0
50/200	10	0	0	0	32	5	1	0	14	0	0	0	21	1	0	0
50/300	3	0	0	0	35	6	2	0	6	0	0	0	22	1	0	0
150/100	0	0	0	0	63	29	14	8	4	0	0	0	54	20	8	3
150/200	0	0	0	0	83	61	45	33	0	0	0	0	76	45	26	15
150/300	0	0	0	0	93	82	72	64	0	0	0	0	84	59	42	29
250/100	0	0	0	0	63	29	14	8	0	0	0	0	57	23	10	4
250/200	0	0	0	0	83	61	45	33	0	0	0	0	82	55	35	22
250/300	0	0	0	0	93	82	72	64	0	0	0	0	91	74	59	46
	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	41	13	5	2	3	0	0	0	26	4	0	0	1	0	0	0
50/200	12	0	0	0	4	0	0	0	5	0	0	0	2	0	0	0
50/300	5	0	0	0	5	0	0	0	2	0	0	0	1	0	0	0
150/100	36	10	3	1	16	1	0	0	23	2	0	0	16	1	0	0
150/200	10	0	0	0	21	3	0	0	5	0	0	0	20	2	0	0
150/300	4	0	0	0	22	3	0	0	2	0	0	0	21	3	0	0
250/100	24	2	0	0	33	7	1	0	18	1	0	0	34	6	0	0
250/200	7	0	0	0	47	15	5	1	4	0	0	0	42	11	2	0
250/300	2	0	0	0	50	17	6	1	1	0	0	0	44	12	2	0
	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	20	1	0	0	5	0	0	0	16	0	0	0	12	0	0	0
50/200	3	0	0	0	7	0	0	0	4	0	0	0	15	1	0	0
50/300	1	0	0	0	7	0	0	0	1	0	0	0	17	1	0	0
150/100	15	0	0	0	27	6	2	0	5	0	0	0	53	23	9	3
150/200	2	0	0	0	33	8	2	0	1	0	0	0	64	40	27	20
150/300	0	0	0	0	33	8	2	0	0	0	0	0	68	46	35	29
250/100	0	0	0	0	74	49	33	24	0	0	0	0	76	46	28	19
250/200	0	0	0	0	92	81	72	65	0	0	0	0	91	79	66	55
250/300	0	0	0	0	95	88	83	79	0	0	0	0	96	90	84	78

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

	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	50	17	6	1	9	0	0	0	57	23	11	5	8	0	0	0
50/200	36	6	1	0	19	2	0	0	43	13	5	2	14	0	0	0
50/300	23	2	0	0	24	3	0	0	27	3	0	0	17	1	0	0
150/100	0	0	0	0	22	2	0	0	6	0	0	0	26	4	0	0
150/200	0	0	0	0	45	14	3	1	4	0	0	0	44	13	5	2
150/300	0	0	0	0	63	34	16	7	2	0	0	0	61	27	11	5
250/100	0	0	0	0	22	2	0	0	0	0	0	0	27	4	0	0
250/200	0	0	0	0	45	14	3	1	0	0	0	0	47	14	6	2
250/300	0	0	0	0	63	34	16	7	0	0	0	0	65	33	16	8
	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	64	37	21	11	1	0	0	0	51	19	6	1	1	0	0	0
50/200	29	6	1	0	4	0	0	0	18	2	0	0	1	0	0	0
50/300	14	1	0	0	4	0	0	0	5	0	0	0	2	0	0	0
150/100	56	25	11	4	11	0	0	0	43	12	1	0	12	1	0	0
150/200	25	4	0	0	17	2	0	0	16	2	0	0	18	1	0	0
150/300	12	1	0	0	20	3	0	0	5	0	0	0	21	2	0	0
250/100	35	7	2	0	19	4	0	0	34	6	0	0	25	4	0	0
250/200	17	0	0	0	39	11	2	0	12	1	0	0	37	7	0	0
250/300	7	0	0	0	44	14	5	1	4	0	0	0	42	11	2	0
	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	38	9	3	1	3	0	0	0	42	11	3	1	5	0	0	0
50/200	14	1	0	0	6	0	0	0	20	2	0	0	10	0	0	0
50/300	4	0	0	0	7	0	0	0	9	0	0	0	13	0	0	0
150/100	27	4	0	0	19	1	0	0	14	1	0	0	30	5	0	0
150/200	10	0	0	0	29	6	2	0	6	0	0	0	49	18	5	0
150/300	3	0	0	0	32	7	2	0	2	0	0	0	59	32	17	9
250/100	1	0	0	0	54	22	11	6	0	0	0	0	44	12	3	0
250/200	0	0	0	0	80	59	43	32	0	0	0	0	71	41	22	13
250/300	0	0	0	0	91	80	71	63	0	0	0	0	85	66	50	38

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

	JANUARY				FEBRUARY				MARCH				APRIL			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	58	32	12	4	45	20	7	1	69	48	22	10	30	7	0	0
120	0	0	0	0	99	99	98	96	47	20	4	1	72	52	24	11
180	0	0	0	0	100	100	100	100	0	0	0	0	100	99	98	97
240	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
	MAY				JUNE				JULY				AUGUST			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	92	85	72	61	16	3	0	0	94	90	82	73	9	1	0	0
120	82	68	44	29	27	8	0	0	86	76	58	43	23	7	1	0
180	73	53	26	14	38	17	4	0	79	63	41	25	35	12	1	0
240	57	32	10	4	56	33	12	4	69	49	20	6	50	25	5	1
300	29	7	0	0	80	63	40	25	43	21	3	0	73	53	27	16
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	89	78	60	46	13	2	0	0	81	67	45	33	37	13	2	1
120	78	60	34	18	34	14	3	0	61	38	14	5	57	35	15	13
180	61	36	12	5	59	34	14	8	19	1	0	0	99	99	99	99
240	19	3	0	0	94	90	86	85	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

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

	JANUARY				FEBRUARY				MARCH				APRIL			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	48	22	6	2	58	32	9	2	56	32	11	6	54	32	12	4
140	27	8	1	0	75	57	31	17	42	18	1	0	62	36	12	5
200	18	5	0	0	84	73	54	38	24	2	0	0	66	42	16	9
260	9	0	0	0	90	81	66	53	14	0	0	0	77	59	31	17
320	7	0	0	0	94	88	79	71	6	0	0	0	85	71	46	31
	MAY				JUNE				JULY				AUGUST			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	62	38	18	9	55	35	16	9	40	16	2	1	62	41	20	12
140	31	10	0	0	76	58	36	26	25	9	0	0	85	74	55	43
200	19	4	0	0	87	78	63	52	16	4	0	0	94	91	83	76
260	17	1	0	0	92	85	73	63	4	1	0	0	97	94	90	86
320	10	1	0	0	94	90	82	75	6	1	0	0	97	95	92	88
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS		.GE. THRESH	.LT. THRESH	DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	33	12	2	0	68	49	27	18	39	15	1	0	71	49	22	10
140	16	3	0	0	88	77	59	46	27	9	0	0	86	74	54	41
200	2	0	0	0	94	90	81	73	12	6	0	0	92	85	71	59
260	4	1	0	0	96	94	88	82	7	1	0	0	95	91	82	74
320	2	0	0	0	97	95	91	87	3	0	0	0	97	94	88	82

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

	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	78	60	36	19	42	16	2	0	72	52	30	21	49	20	5	0
140	61	36	14	4	59	31	10	2	55	32	13	8	65	40	15	7
200	45	17	5	2	72	51	24	12	40	15	2	0	73	53	28	16
260	35	10	0	0	79	62	36	20	30	7	0	0	82	68	47	32
320	22	6	0	0	85	72	51	36	24	1	0	0	86	75	57	43
	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	36	16	3	0	75	57	39	25	31	9	1	0	84	73	54	44
140	13	2	0	0	92	84	75	68	4	0	0	0	96	93	88	84
200	6	1	0	0	95	91	85	80	0	0	0	0	99	99	98	97
260	1	0	0	0	99	97	95	93	0	0	0	0	100	100	100	100
320	1	0	0	0	99	98	96	94	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	31	6	3	1	87	75	58	44	52	27	9	4	69	48	25	13
140	6	0	0	0	95	90	82	73	31	10	1	0	83	69	46	32
200	2	0	0	0	98	96	92	87	26	6	0	0	92	84	69	56
260	2	0	0	0	99	98	96	94	15	3	0	0	95	90	79	70
320	2	0	0	0	99	98	96	94	14	2	0	0	96	93	87	81

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

	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	84	69	49	34	22	6	0	0	82	65	42	30	24	7	1	0
140	72	51	25	11	45	21	4	0	71	49	28	19	45	18	4	0
200	60	32	12	3	54	29	8	2	59	36	14	8	53	27	11	4
260	51	23	7	2	63	40	11	2	51	28	7	4	64	42	16	7
320	41	14	2	0	73	55	28	14	45	19	3	0	70	49	22	11
	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	83	70	52	39	30	16	5	1	73	54	29	17	43	18	7	1
140	60	37	18	9	56	37	17	7	44	18	3	2	69	50	28	17
200	38	14	1	0	73	54	35	24	29	10	0	0	82	70	50	37
260	26	8	0	0	83	69	54	43	23	7	0	0	91	84	70	60
320	20	5	0	0	87	77	63	53	9	1	0	0	94	90	82	76
	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	59	38	21	13	46	23	9	5	72	51	26	14	47	19	3	0
140	42	17	3	0	71	51	30	20	52	26	9	3	64	41	16	7
200	29	7	1	0	84	71	52	38	41	18	2	0	76	57	30	17
260	14	1	0	0	92	85	72	61	35	12	0	0	85	72	50	36
320	6	1	0	0	95	90	82	73	26	10	0	0	89	78	59	45

TABLE A- 11. PROBABILITY(1), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BOSTON, MASSACHUSETTS

	JANUARY				FEBRUARY				MARCH				APRIL			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7
50/100	30	7 0 0 0	26	8 2 0 0	41	18 3 2	19	4 0 0 0	44	16 3 0	11	1 0 0 0	49	27 5 1	5	0 0 0 0
50/200	9	0 0 0 0	34	13 3 0	19	2 0 0 0	21	6 0 0 0	17	1 0 0 0	17	4 0 0 0	14	2 0 0 0	10	2 0 0 0
50/300	5	0 0 0 0	35	15 4 0	13	0 0 0 0	22	6 0 0 0	8	0 0 0 0	17	4 0 0 0	11	2 0 0 0	12	3 0 0 0
150/100	0	0 0 0 0	67	44 20 11	7	0 0 0 0	58	36 14 5	34	9 0 0 0	39	10 0 0	36	14 1 0	25	7 0 0 0
150/200	0	0 0 0 0	84	73 54 38	0	0 0 0 0	74	56 32 18	11	1 0 0 0	47	18 2 0	7	1 0 0 0	31	8 2 2
150/300	0	0 0 0 0	93	87 76 68	0	0 0 0 0	82	69 48 33	4	0 0 0 0	52	21 3 0	9	2 0 0 0	35	10 1 1
250/100	0	0 0 0 0	67	44 20 11	0	0 0 0 0	60	39 16 6	0	0 0 0 0	55	28 6 2	19	4 0 0 0	43	21 5 1
250/200	0	0 0 0 0	84	73 54 38	0	0 0 0 0	81	66 41 25	0	0 0 0 0	77	59 31 17	3	1 0 0 0	60	39 15 6
250/300	0	0 0 0 0	93	87 76 68	0	0 0 0 0	89	80 64 50	0	0 0 0 0	87	75 53 38	7	6 0 0 0	69	47 21 10
	MAY				JUNE				JULY				AUGUST			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7
50/100	47	25 8 3	3	0 0 0 0	28	10 1 0	0	0 0 0 0	24	7 0 0 0	0	0 0 0 0	17	2 0 0 0	8	0 0 0 0
50/200	19	3 0 0 0	6	3 0 0 0	14	4 0 0 0	1	0 0 0 0	8	0 0 0 0	2	0 0 0 0	3	1 0 0 0	8	0 0 0 0
50/300	13	1 0 0 0	8	3 0 0 0	6	1 0 0 0	1	0 0 0 0	0	0 0 0 0	2	0 0 0 0	0	0 0 0 0	8	0 0 0 0
150/100	41	21 5 3	21	6 0 0 0	27	9 0 0 0	19	5 0 0 0	22	7 0 0 0	19	5 0 0 0	15	2 0 0 0	22	4 0 0 0
150/200	15	2 0 0 0	27	12 1 0	14	4 0 0 0	25	7 0 0 0	8	0 0 0 0	21	6 0 0 0	3	1 0 0 0	24	4 0 0 0
150/300	12	1 0 0 0	29	12 2 0	6	1 0 0 0	27	8 1 0 0	0	0 0 0 0	22	6 0 0 0	0	0 0 0 0	24	4 0 0 0
250/100	25	6 0 0 0	40	19 2 0	24	8 0 0 0	43	15 0 0	11	2 0 0 0	49	26 9 3	1	0 0 0 0	65	43 19 9
250/200	9	0 0 0 0	54	30 10 2	14	3 0 0 0	49	23 3 1	2	0 0 0 0	56	33 14 6	0	0 0 0 0	76	56 34 21
250/300	8	0 0 0 0	56	32 11 2	7	1 0 0 0	51	24 4 1	0	0 0 0 0	57	35 14 5	0	0 0 0 0	77	58 36 23
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7	DAYS	2 3 5 7
50/100	24	6 0 0 0	9	1 0 0 0	19	3 0 0 0	15	1 0 0 0	26	5 0 0 0	36	13 1 0	17	2 0 0 0	34	14 4 1
50/200	2	0 0 0 0	8	1 0 0 0	4	1 0 0 0	22	4 1 1	8	0 0 0 0	41	16 3 0	9	1 0 0 0	41	18 4 1
50/300	2	0 0 0 0	8	1 0 0 0	2	0 0 0 0	26	5 1 1	0	0 0 0 0	42	17 3 0	6	3 0 0 0	41	19 4 1
150/100	21	2 0 0 0	41	17 5 1	8	0 0 0 0	65	43 17 6	0	0 0 0 0	73	55 34 19	0	0 0 0 0	74	55 28 16
150/200	3	1 0 0 0	45	21 5 1	0	0 0 0 0	75	61 41 31	0	0 0 0 0	88	78 63 52	0	0 0 0 0	89	80 64 54
150/300	2	0 0 0 0	46	22 5 1	0	0 0 0 0	79	66 51 42	0	0 0 0 0	95	91 84 78	0	0 0 0 0	96	92 85 79
250/100	0	0 0 0 0	77	61 40 28	0	0 0 0 0	78	60 36 24	0	0 0 0 0	73	55 34 19	0	0 0 0 0	74	55 28 16
250/200	0	0 0 0 0	92	87 77 69	0	0 0 0 0	92	85 71 59	0	0 0 0 0	88	78 63 52	0	0 0 0 0	89	80 64 54
250/300	0	0 0 0 0	95	92 87 83	0	0 0 0 0	96	93 87 80	0	0 0 0 0	95	91 84 78	0	0 0 0 0	96	92 85 79

TABLE A- 12. PROBABILITY(1), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - BOSTON, MASSACHUSETTS

	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	2	3	5	7	2	3	5	7				
50/100	56	32	11	2	6	1	0	0	61	36	16	8	13	1	0	0	66	44	22	11	6	0	0	0	70	50	27	13	6	0	0	0
50/200	43	16	3	0	25	9	3	0	47	24	8	3	17	3	0	0	48	20	3	1	12	1	0	0	46	22	6	1	4	0	0	0
50/300	30	7	0	0	26	10	3	0	33	9	0	0	20	4	0	0	27	7	0	0	17	4	0	0	25	6	0	0	6	0	0	0
150/100	0	0	0	0	30	8	0	0	13	1	0	0	35	9	1	0	49	27	6	3	24	4	0	0	50	26	7	1	22	4	0	0
150/200	0	0	0	0	54	29	8	2	12	0	0	0	50	24	9	3	38	11	0	0	41	11	0	0	34	10	1	0	28	6	0	0
150/300	0	0	0	0	70	51	24	11	0	0	0	0	65	42	16	7	19	5	0	0	44	15	1	0	19	4	0	0	30	6	0	0
250/100	0	0	0	0	30	8	0	0	0	0	0	0	37	10	1	0	0	0	0	0	34	8	0	0	26	8	0	0	29	10	1	0
250/200	0	0	0	0	54	29	8	2	0	0	0	0	53	27	11	4	0	0	0	0	58	32	9	4	19	3	0	0	50	27	7	1
250/300	0	0	0	0	70	51	24	11	0	0	0	0	70	48	22	11	0	0	0	0	71	49	21	9	5	1	0	0	57	35	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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	75	55	30	15	0	0	0	0	54	33	11	2	0	0	0	0	48	22	6	1	0	0	0	0	49	25	9	3	5	0	0	0
50/200	38	12	1	0	1	0	0	0	25	8	0	0	0	0	0	0	16	2	0	0	0	0	0	0	8	1	0	0	8	0	0	0
50/300	19	5	0	0	5	2	0	0	9	1	0	0	1	0	0	0	8	0	0	0	2	0	0	0	3	0	0	0	8	0	0	0
150/100	67	43	18	6	13	3	0	0	46	25	3	1	12	4	0	0	43	18	1	0	18	5	0	0	39	18	5	1	18	4	0	0
150/200	31	9	1	0	26	10	0	0	24	8	0	0	21	5	0	0	16	2	0	0	20	6	0	0	7	0	0	0	23	3	0	0
150/300	16	4	0	0	27	11	1	0	9	1	0	0	25	7	0	0	8	0	0	0	22	6	0	0	2	0	0	0	23	3	0	0
250/100	45	20	5	1	30	14	1	0	38	16	1	0	32	11	0	0	28	8	0	0	39	21	8	3	12	1	0	0	53	26	8	4
250/200	18	0	0	0	47	25	5	1	23	9	0	0	45	17	0	0	4	0	0	0	53	31	12	5	0	0	0	0	72	51	26	13
250/300	9	0	0	0	53	29	10	2	10	1	0	0	50	23	3	1	0	0	0	0	55	34	14	5	0	0	0	0	75	55	32	19
	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	2	3	5	7	2	3	5	7	2	3	5	7
50/100	38	18	5	1	4	0	0	0	48	23	5	3	2	0	0	0	48	23	6	2	21	4	0	0	46	19	1	0	17	6	0	0
50/200	23	6	1	0	8	1	0	0	29	9	1	0	11	0	0	0	32	7	1	0	34	10	0	0	37	10	0	0	24	8	1	0
50/300	9	1	0	0	7	1	0	0	22	2	0	0	18	4	1	0	24	3	0	0	38	13	1	0	22	4	0	0	30	11	2	0
150/100	30	10	1	0	26	5	0	0	24	7	1	0	45	18	1	0	0	0	0	0	50	27	10	5	0	0	0	0	40	15	1	0
150/200	15	1	0	0	42	16	5	1	14	0	0	0	61	37	10	1	0	0	0	0	66	48	28	13	0	0	0	0	59	35	8	1
150/300	8	1	0	0	43	19	5	1	1	0	0	0	71	54	29	16	0	0	0	0	76	60	38	21	0	0	0	0	71	49	23	9
250/100	5	0	0	0	60	36	15	7	0	0	0	0	53	27	6	1	0	0	0	0	50	27	10	5	0	0	0	0	40	15	1	0
250/200	0	0	0	0	83	70	50	36	0	0	0	0	76	57	30	17	0	0	0	0	66	48	28	13	0	0	0	0	59	35	8	1
250/300	0	0	0	0	92	86	76	67	0	0	0	0	88	77	57	43	0	0	0	0	76	60	38	21	0	0	0	0	71	49	23	9

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

	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
60	44	11	3	1	55	19	7	3	65	30	13	6	85	64	47	37
120	0	0	0	0	100	100	99	97	30	5	1	0	54	18	7	2
180	0	0	0	0	100	100	100	100	0	0	0	0	33	8	2	0
240	0	0	0	0	100	100	100	100	0	0	0	0	2	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0
	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
60	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0
120	83	61	46	34	16	1	0	0	91	78	68	59	8	0	0	0
180	68	35	20	12	31	5	1	0	76	50	33	22	23	3	0	0
240	50	17	7	1	49	16	4	1	62	29	14	6	37	7	1	0
300	30	4	1	0	69	39	21	10	40	11	3	1	59	25	11	5
	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
60	96	89	82	75	3	0	0	0	77	52	34	22	22	4	1	0
120	73	46	21	10	26	3	0	0	44	15	5	1	55	28	17	12
180	48	14	3	1	51	19	9	4	2	0	0	0	97	94	93	93
240	8	0	0	0	91	83	80	79	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

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

	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
60	20	1	0	0	79	51	33	21	27	3	0	0	72	38	21	13
100	8	0	0	0	91	76	62	52	12	0	0	0	85	66	53	43
140	4	0	0	0	95	86	78	71	5	0	0	0	93	82	73	64
180	1	0	0	0	98	94	90	85	2	0	0	0	96	90	85	78
220	1	0	0	0	98	95	93	90	1	0	0	0	98	94	90	86
	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
60	33	5	0	0	66	33	17	10	23	2	0	0	76	48	29	18
100	13	0	0	0	86	66	53	43	8	0	0	0	91	78	68	59
140	5	0	0	0	94	84	75	66	2	0	0	0	97	93	89	86
180	1	0	0	0	98	94	91	86	1	0	0	0	98	96	94	93
220	1	0	0	0	98	96	94	92	0	0	0	0	99	98	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
60	23	2	0	0	76	47	28	18	21	2	0	0	78	53	36	26
100	6	0	0	0	93	82	73	65	7	0	0	0	92	79	68	59
140	2	0	0	0	97	92	87	83	2	0	0	0	97	91	87	83
180	1	0	0	0	98	96	93	91	1	0	0	0	98	94	91	88
220	0	0	0	0	99	98	98	97	0	0	0	0	99	97	96	95

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

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	40	11	2	0	59	31	16	10	31	6	1	0	68	40	25	16
100	21	3	0	0	78	54	38	28	17	1	0	0	82	60	45	34
140	11	0	0	0	88	72	59	50	9	0	0	0	90	78	67	59
180	6	0	0	0	93	83	74	66	4	0	0	0	95	87	81	76
220	2	0	0	0	97	92	88	85	3	0	0	0	97	91	87	83
	MAY				JUNE				JULY				AUGUST			
60	8	0	0	0	91	79	69	60	5	0	0	0	96	89	82	76
100	3	0	0	0	96	91	86	81	1	0	0	0	99	97	96	94
140	1	0	0	0	98	96	95	93	0	0	0	0	99	99	99	99
160	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
220	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
60	9	0	0	0	90	76	63	52	24	4	0	0	64	34	18	11
100	3	0	0	0	96	90	83	76	10	0	0	0	82	61	46	35
140	1	0	0	0	98	96	94	91	4	0	0	0	92	79	69	60
180	0	0	0	0	99	97	96	94	2	0	0	0	96	89	83	78
220	0	0	0	0	99	98	98	97	0	0	0	0	98	94	91	88

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

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	56	24	11	6	43	15	6	2	55	24	11	5	44	14	5	3
100	38	8	1	0	61	29	14	7	36	8	0	0	66	40	27	19
140	26	3	0	0	73	44	28	19	24	2	0	0	74	49	36	28
180	17	0	0	0	83	60	43	32	18	1	0	0	84	63	50	40
220	11	0	0	0	88	71	57	46	12	0	0	0	89	73	63	56
	MAY				JUNE				JULY				AUGUST			
60	45	12	3	0	54	22	10	5	35	7	1	0	64	33	17	9
100	27	3	0	0	72	43	28	20	17	0	0	0	85	66	54	45
140	15	0	0	0	84	64	49	38	8	0	0	0	94	84	77	71
180	8	0	0	0	91	79	69	61	3	0	0	0	97	92	88	84
220	4	0	0	0	95	87	81	74	2	0	0	0	99	96	95	92
	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
60	37	8	2	0	62	29	14	6	47	16	5	1	52	22	9	4
100	21	1	0	0	78	50	32	21	28	4	1	0	71	42	27	17
140	9	0	0	0	90	75	62	52	17	1	0	0	82	60	45	34
180	5	0	0	0	94	86	77	69	10	0	0	0	89	74	63	54
220	3	0	0	0	97	91	84	79	6	0	0	0	93	83	74	66

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

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	10	0	0	0	38	9	3	1	20	1	0	0	29	4	0	0
50/120	3	0	0	0	45	12	4	2	5	0	0	0	7	0	0	0
50/180	1	0	0	0	47	13	4	2	1	0	0	0	3	0	0	0
150/ 60	0	0	0	0	79	51	33	21	1	0	0	0	39	8	1	0
150/120	0	0	0	0	94	82	72	62	0	0	0	0	51	14	3	1
150/180	0	0	0	0	98	94	90	85	0	0	0	0	54	16	4	1
250/ 60	0	0	0	0	79	51	33	21	0	0	0	0	68	37	22	16
250/120	0	0	0	0	94	82	72	62	0	0	0	0	89	73	60	49
250/180	0	0	0	0	98	94	90	85	0	0	0	0	96	88	80	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 60	33	5	0	0	0	0	0	0	23	2	0	0	0	0	0	0
50/120	9	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
50/180	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
150/ 60	25	2	0	0	17	1	0	0	20	1	0	0	13	0	0	0
150/120	7	0	0	0	23	2	0	0	3	0	0	0	15	0	0	0
150/180	1	0	0	0	25	2	0	0	1	0	0	0	16	0	0	0
250/ 60	15	0	0	0	33	6	1	0	14	0	0	0	31	5	1	0
250/120	3	0	0	0	46	14	4	1	2	0	0	0	38	7	2	0
250/180	0	0	0	0	50	17	5	1	0	0	0	0	40	8	2	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	23	2	0	0	1	0	0	0	17	2	0	0	10	0	0	0
50/120	4	0	0	0	2	0	0	0	4	0	0	0	12	1	0	0
50/180	1	0	0	0	2	0	0	0	1	0	0	0	3	1	0	0
150/ 60	13	4	0	0	29	4	1	0	2	0	0	0	60	32	20	15
150/120	2	0	0	0	37	8	2	0	0	0	0	0	74	53	42	36
150/180	0	0	0	0	38	9	2	0	0	0	0	0	77	58	49	44
250/ 60	0	0	0	0	74	44	26	17	0	0	0	0	78	53	36	26
250/120	0	0	0	0	93	84	76	70	0	0	0	0	94	86	79	73
250/180	0	0	0	0	96	92	88	86	0	0	0	0	98	94	91	88

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

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	27	3	0	0	19	3	1	0	37	9	3	1	9	0	0	0
50/120	15	0	0	0	32	7	2	1	19	1	0	0	17	0	0	0
50/180	9	0	0	0	40	10	4	2	12	0	0	0	21	1	0	0
150/ 60	0	0	0	0	43	15	6	2	3	0	0	0	38	9	2	0
150/120	0	0	0	0	68	39	22	13	1	0	0	0	62	31	17	9
150/180	0	0	0	0	83	60	43	32	0	0	0	0	73	44	27	15
250/ 60	0	0	0	0	43	15	6	2	0	0	0	0	44	14	5	3
250/120	0	0	0	0	68	39	22	13	0	0	0	0	70	40	24	16
250/180	0	0	0	0	83	60	43	32	0	0	0	0	81	57	40	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 60	45	12	3	0	0	0	0	0	35	7	1	0	0	0	0	0
50/120	19	1	0	0	0	0	0	0	12	0	0	0	0	0	0	0
50/180	8	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/ 60	33	5	0	0	13	0	0	0	30	5	0	0	11	0	0	0
150/120	14	0	0	0	20	1	0	0	10	0	0	0	14	0	0	0
150/180	6	0	0	0	23	2	0	0	3	0	0	0	15	0	0	0
250/ 60	20	0	0	0	27	5	1	0	20	2	0	0	25	4	1	0
250/120	7	0	0	0	39	10	3	0	6	0	0	0	35	6	1	0
250/180	2	0	0	0	46	14	4	1	1	0	0	0	39	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	
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 60	37	8	2	0	1	0	0	0	40	12	3	1	7	0	0	0
50/120	14	1	0	0	1	0	0	0	19	2	0	0	10	0	0	0
50/180	4	0	0	0	2	0	0	0	8	0	0	0	11	1	0	0
150/ 60	20	1	0	0	22	3	0	0	7	0	0	0	39	13	4	2
150/120	7	0	0	0	31	5	1	0	2	0	0	0	59	31	20	14
150/180	2	0	0	0	36	7	2	0	0	0	0	0	69	40	24	14
250/ 60	0	0	0	0	60	28	13	6	0	0	0	0	85	64	50	39
250/120	0	0	0	0	83	61	45	34	0	0	0	0	92	71	56	44
250/180	0	0	0	0	92	82	72	65	0	0	0	0	99	88	78	71

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

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
60	49	23	6	2	58	33	11	4	68	45	19	9	86	74	54	42
120	0	0	0	0	100	100	99	97	40	17	3	0	71	49	22	9
180	0	0	0	0	100	100	100	100	0	0	0	0	99	98	96	92
240	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
	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	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0
120	84	72	54	39	20	6	0	0	92	85	74	64	8	0	0	0
180	71	50	27	16	38	17	3	0	79	64	41	27	28	8	1	0
240	58	33	13	3	57	30	8	1	68	45	21	9	40	13	3	0
300	41	14	3	0	75	54	29	14	47	26	6	2	63	40	16	7
	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	96	92	84	76	3	0	0	0	81	66	43	27	40	16	5	1
120	74	54	28	14	28	11	2	0	54	31	10	3	67	48	29	22
180	53	27	7	2	58	36	16	8	8	1	0	0	98	97	96	96
240	21	5	0	0	94	91	87	86	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

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

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
60	22	4	0	0	79	63	40	24	25	8	1	0	69	50	26	16
100	6	0	0	0	90	82	67	55	7	0	0	0	86	74	57	46
140	7	0	0	0	95	90	82	73	3	0	0	0	94	89	80	72
180	0	0	0	0	98	95	91	87	0	0	0	0	97	95	91	86
220	0	0	0	0	98	97	94	91	0	0	0	0	98	97	94	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	36	13	2	0	68	46	22	13	29	6	0	0	78	62	37	22
100	11	0	0	0	86	75	59	48	8	3	0	0	92	85	73	63
140	3	0	0	0	94	89	79	71	4	0	0	0	97	96	92	88
180	2	0	0	0	98	96	93	90	1	0	0	0	98	96	93	90
220	0	0	0	0	98	97	95	93	0	0	0	0	99	98	97	95
	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	27	8	0	0	78	60	35	22	21	5	0	0	79	65	44	31
100	4	1	0	0	93	87	76	68	6	1	0	0	91	85	73	63
140	1	0	0	0	97	94	89	84	3	1	0	0	97	94	89	85
180	0	0	0	0	98	97	94	92	2	0	0	0	98	96	93	89
220	0	0	0	0	99	99	98	97	2	0	0	0	99	98	97	96

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	51	23	5	1	68	49	24	15	43	15	1	0	77	62	43	33
100	34	10	1	0	82	68	47	34	28	6	0	0	89	80	69	61
140	20	2	0	0	89	80	66	56	14	0	0	0	95	91	84	79
180	9	0	0	0	94	88	79	70	4	0	0	0	97	95	90	86
220	5	0	0	0	97	95	91	86	3	0	0	0	98	96	93	91
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	18	4	0	0	93	86	75	65	9	0	0	0	96	92	84	78
100	5	0	0	0	97	94	89	84	1	0	0	0	99	96	97	95
140	2	0	0	0	99	98	96	94	0	0	0	0	99	99	99	99
180	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
220	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	21	3	0	0	91	83	68	56	32	12	2	0	69	50	26	15
100	5	0	0	0	96	93	85	76	15	1	0	0	85	73	55	41
140	1	0	0	0	98	97	94	92	6	0	0	0	92	85	74	64
180	0	0	0	0	99	98	96	95	0	0	0	0	96	92	86	80
220	0	0	0	0	99	99	98	97	0	0	0	0	98	96	93	89

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	62	39	18	10	50	30	11	4	62	39	16	7	53	28	11	6
100	45	18	3	0	66	45	20	10	44	20	1	0	65	45	23	13
140	31	10	1	0	75	58	35	23	28	7	0	0	75	58	35	22
180	22	3	0	0	83	71	51	37	20	3	0	0	82	68	48	34
220	15	1	0	0	89	79	64	51	11	2	0	0	85	78	63	51
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	52	26	6	1	60	35	15	7	45	19	3	0	70	50	25	12
100	34	10	1	0	75	57	36	25	26	3	0	0	85	73	53	40
140	18	3	0	0	86	75	56	43	14	3	0	0	93	86	75	66
180	11	0	0	0	92	85	74	65	6	1	0	0	96	94	90	85
220	4	0	0	0	95	91	84	77	2	0	0	0	97	96	92	88
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	45	20	5	2	67	46	22	9	54	31	8	2	58	37	15	6
100	24	5	0	0	80	63	39	26	33	11	1	0	72	55	35	22
140	14	1	0	0	91	82	67	55	18	4	0	0	83	71	52	39
180	10	2	0	0	95	90	80	72	11	1	0	0	89	81	69	59
220	2	1	0	0	96	93	87	81	6	0	0	0	93	88	78	69

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

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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	13	1	0	0	44	20	6	2	22	7	0	0	33	10	1	0
50/120	5	1	0	0	50	25	7	3	1	0	0	0	16	2	0	0
50/180	0	0	0	0	51	26	8	3	0	0	0	0	5	0	0	0
150/ 60	0	0	0	0	79	63	40	24	2	0	0	0	26	7	0	0
150/120	0	0	0	0	93	87	75	65	0	0	0	0	6	0	0	0
150/180	0	0	0	0	98	95	91	87	0	0	0	0	1	0	0	0
250/ 60	0	0	0	0	79	63	40	24	0	0	0	0	12	4	0	0
250/120	0	0	0	0	93	87	75	65	0	0	0	0	6	0	0	0
250/180	0	0	0	0	98	95	91	87	0	0	0	0	1	0	0	0
50/ 60	38	13	2	0	0	0	0	0	27	5	0	0	20	4	0	0
50/120	6	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
50/180	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150/ 60	33	8	0	0	21	5	0	0	20	2	0	0	15	4	0	0
150/120	2	0	0	0	28	8	0	0	3	0	0	0	0	0	0	0
150/180	2	0	0	0	28	8	0	0	0	0	0	0	0	0	0	0
250/ 60	20	1	0	0	39	15	3	0	11	0	0	0	2	0	0	0
250/120	2	0	0	0	53	28	8	2	3	1	0	0	0	0	0	0
250/180	0	0	0	0	58	32	10	2	0	0	0	0	0	0	0	0
50/ 60	27	8	0	0	5	0	0	0	12	1	0	0	3	0	0	0
50/120	3	0	0	0	5	0	0	0	1	0	0	0	0	0	0	0
50/180	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
150/ 60	17	3	0	0	36	12	3	0	0	0	0	0	0	0	0	0
150/120	1	0	0	0	41	19	5	0	0	0	0	0	0	0	0	0
150/180	0	0	0	0	43	21	6	1	0	0	0	0	0	0	0	0
250/ 60	0	0	0	0	76	59	34	21	0	0	0	0	0	0	0	0
250/120	0	0	0	0	94	89	80	73	0	0	0	0	0	0	0	0
250/180	0	0	0	0	97	95	91	84	0	0	0	0	0	0	0	0

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

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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	29	9	1	0	30	11	3	1	55	29	10	3	54	30	10	3
50/120	17	3	0	0	40	16	5	2	31	9	1	0	32	8	0	0
50/180	9	0	0	0	48	22	7	3	16	2	0	0	18	2	0	0
150/ 60	0	0	0	0	50	30	11	4	24	6	0	0	31	10	1	0
150/120	0	0	0	0	72	54	30	17	11	1	0	0	21	3	0	0
150/180	0	0	0	0	63	71	51	37	5	1	0	0	7	0	0	0
250/ 60	0	0	0	0	50	30	11	4	4	0	0	0	15	7	0	0
250/120	0	0	0	0	72	54	30	17	0	0	0	0	11	0	0	0
250/180	0	0	0	0	63	71	51	37	0	0	0	0	6	0	0	0
50/ 60	52	26	6	1	0	0	0	0	42	14	1	0	39	10	0	0
50/120	27	2	0	0	0	0	0	0	17	2	0	0	9	1	0	0
50/180	11	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
150/ 60	43	16	2	0	17	5	0	0	35	11	0	0	28	6	0	0
150/120	20	3	0	0	25	7	0	0	13	1	0	0	6	1	0	0
150/180	5	0	0	0	28	8	0	0	3	0	0	0	0	0	0	0
250/ 60	29	4	0	0	37	15	3	0	17	2	0	0	3	0	0	0
250/120	11	0	0	0	48	23	6	1	6	1	0	0	0	0	0	0
250/180	4	0	0	0	53	28	8	2	1	0	0	0	0	0	0	0
50/ 60	44	19	5	2	5	0	0	0	28	7	1	0	12	2	0	0
50/120	21	4	0	0	5	0	0	0	15	2	0	0	6	0	0	0
50/180	10	2	0	0	5	0	0	0	8	0	0	0	0	0	0	0
150/ 60	22	7	1	0	35	11	3	0	0	0	0	0	0	0	0	0
150/120	7	1	0	0	39	15	3	0	0	0	0	0	0	0	0	0
150/180	2	0	0	0	41	18	5	0	0	0	0	0	0	0	0	0
250/ 60	0	0	0	0	65	44	21	9	0	0	0	0	0	0	0	0
250/120	0	0	0	0	85	72	52	39	0	0	0	0	0	0	0	0
250/180	0	0	0	0	93	88	77	59	0	0	0	0	0	0	0	0

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	42	12	6	2	57	24	12	6	80	54	37	27	19	1	0	0
120	0	0	0	0	100	100	100	99	23	5	2	0	76	51	37	27
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99
240	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
	M A Y				J U N E				J U L Y				A U G U S T			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	90	75	63	53	9	0	0	0	94	86	78	73	5	0	0	0
120	75	46	28	16	24	4	0	0	82	60	46	35	17	1	0	0
180	58	25	11	4	41	13	3	0	67	37	21	12	32	6	2	0
240	43	10	2	0	56	23	9	3	52	16	6	1	47	14	4	1
300	24	2	0	0	75	48	30	19	31	5	1	0	68	34	18	9
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	83	59	41	28	16	0	0	0	66	32	15	7	33	6	1	0
120	62	27	11	4	37	8	1	0	30	3	0	0	69	41	28	22
180	36	7	2	0	63	33	19	14	0	0	0	0	99	98	98	98
240	3	0	0	0	96	92	90	89	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

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	34	3	0	0	65	28	11	3	36	6	0	0	63	27	7	2
120	19	0	0	0	80	50	30	16	24	1	0	0	75	43	23	13
180	12	0	0	0	87	68	52	41	17	1	0	0	82	57	38	26
240	7	0	0	0	92	80	69	60	12	0	0	0	87	68	52	40
320	5	0	0	0	94	85	76	69	7	0	0	0	92	82	70	59
	M A Y				J U N E				J U L Y				A U G U S T			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	43	11	3	0	56	24	12	5	40	7	1	0	59	22	8	2
120	28	4	0	0	71	40	27	19	22	1	0	0	77	50	33	23
180	18	1	0	0	81	57	42	33	12	0	0	0	87	69	53	41
240	12	0	0	0	87	69	57	47	7	0	0	0	93	81	70	60
320	7	0	0	0	92	80	70	61	4	0	0	0	95	88	81	75
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
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		.GE. THRESH : .LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	35	4	0	0	64	31	17	9	30	2	0	0	69	36	17	8
120	19	1	0	0	80	56	39	25	16	1	0	0	83	59	45	35
180	8	0	0	0	91	76	64	52	9	0	0	0	91	75	63	55
240	4	0	0	0	95	85	77	70	6	0	0	0	93	82	72	64
320	1	0	0	0	98	95	92	89	3	0	0	0	96	90	84	79

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

	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
0	53	18	6	2	46	13	3	1	42	8	0	0	57	19	5	0
140	35	6	1	0	64	31	15	9	25	2	0	0	74	45	25	14
200	23	2	0	0	76	48	30	21	16	1	0	0	83	59	37	23
250	17	2	0	0	82	60	42	30	12	0	0	0	87	68	50	36
320	11	0	0	0	88	71	56	44	7	0	0	0	92	81	70	61
	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
0	16	2	0	0	83	65	52	43	3	0	0	0	96	88	80	71
140	4	0	0	0	95	88	83	77	0	0	0	0	99	97	96	96
200	1	0	0	0	98	96	94	92	0	0	0	0	99	99	98	97
250	0	0	0	0	99	98	97	95	0	0	0	0	100	100	100	100
320	0	0	0	0	99	99	98	97	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
0	10	0	0	0	89	73	59	45	25	2	0	0	74	49	32	21
140	3	0	0	0	96	89	82	74	13	0	0	0	86	67	53	41
200	1	0	0	0	98	95	91	87	5	0	0	0	94	84	77	69
250	0	0	0	0	99	97	96	93	4	0	0	0	95	87	79	72
320	0	0	0	0	99	98	96	94	2	0	0	0	98	93	89	85

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

	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
0	64	31	17	10	35	7	1	0	62	24	10	5	37	5	0	0
140	51	17	6	2	48	14	4	1	44	8	0	0	55	17	4	0
200	38	6	0	0	61	24	8	2	33	4	0	0	66	31	12	6
250	30	3	0	0	69	33	14	5	26	2	0	0	73	40	20	10
320	23	2	0	0	76	48	26	15	21	1	0	0	78	50	28	17
	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
0	54	23	9	4	45	14	5	2	48	12	2	0	51	16	5	1
140	40	11	2	0	59	29	16	8	28	3	0	0	71	39	21	12
200	26	5	0	0	73	47	32	22	18	1	0	0	81	58	41	29
250	19	1	0	0	80	57	43	35	10	0	0	0	89	74	60	50
320	13	0	0	0	86	68	54	44	6	0	0	0	93	83	73	65
	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
0	47	14	4	0	52	20	9	3	52	18	6	2	47	13	2	0
140	30	4	0	0	69	40	25	13	32	3	0	0	67	34	18	9
200	17	1	0	0	83	59	41	28	23	1	0	0	76	50	34	24
250	11	0	0	0	88	71	56	40	15	0	0	0	84	62	46	34
320	7	0	0	0	92	78	65	53	11	0	0	0	89	71	57	46

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

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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	14	0	0	0	37	5	1	0	28	3	0	0	37	7	1	0
50/200	6	0	0	0	44	12	3	1	15	0	0	0	23	3	0	0
50/300	3	0	0	0	48	15	5	2	7	0	0	0	14	0	0	0
150/100	0	0	0	0	72	36	16	6	0	0	0	0	21	2	0	0
150/200	0	0	0	0	87	68	52	41	0	0	0	0	16	1	0	0
150/300	0	0	0	0	94	84	75	68	0	0	0	0	23	1	0	0
250/100	0	0	0	0	72	36	16	6	0	0	0	0	12	0	0	0
250/200	0	0	0	0	87	68	52	41	0	0	0	0	6	0	0	0
250/300	0	0	0	0	94	84	75	68	0	0	0	0	7	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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	37	8	1	0	4	0	0	0	26	4	0	0	20	1	0	0
50/200	18	1	0	0	5	0	0	0	6	0	0	0	5	0	0	0
50/300	9	0	0	0	6	0	0	0	3	0	0	0	1	0	0	0
150/100	30	3	0	0	23	5	1	0	23	2	0	0	17	0	0	0
150/200	14	0	0	0	28	6	2	0	5	0	0	0	4	0	0	0
150/300	7	0	0	0	30	7	2	0	2	0	0	0	0	0	0	0
250/100	16	0	0	0	36	9	4	1	14	1	0	0	7	0	0	0
250/200	9	0	0	0	49	16	6	3	3	0	0	0	2	0	0	0
250/300	3	0	0	0	53	20	8	3	1	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	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	1	0	0	13	0	0	0	13	0	0	0	8	0	0	0
50/200	8	0	0	0	13	0	0	0	6	0	0	0	3	0	0	0
50/300	2	0	0	0	13	0	0	0	1	0	0	0	1	0	0	0
150/100	16	0	0	0	37	7	1	0	0	0	0	0	0	0	0	0
150/200	5	0	0	0	46	12	4	1	0	0	0	0	0	0	0	0
150/300	1	0	0	0	48	15	7	3	0	0	0	0	0	0	0	0
250/100	0	0	0	0	70	38	24	14	0	0	0	0	0	0	0	0
250/200	0	0	0	0	90	75	63	52	0	0	0	0	0	0	0	0
250/300	0	0	0	0	96	92	89	86	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 - CARIBOU, MAINE

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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	27	4	1	0	19	2	0	0	56	26	10	2	48	15	5	1
50/200	17	1	0	0	29	2	0	0	39	9	1	0	28	3	0	0
50/300	11	0	0	0	36	6	1	0	29	4	0	0	17	1	0	0
150/100	0	0	0	0	41	10	2	0	29	7	1	0	32	3	0	0
150/200	0	0	0	0	61	24	8	2	21	1	0	0	18	0	0	0
150/300	0	0	0	0	73	42	23	13	17	1	0	0	11	0	0	0
250/100	0	0	0	0	41	10	2	0	0	0	0	0	9	0	0	0
250/200	0	0	0	0	61	24	8	2	0	0	0	0	4	0	0	0
250/300	0	0	0	0	73	42	23	13	0	0	0	0	3	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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/100	45	14	4	0	4	0	0	0	35	7	0	0	30	6	0	0
50/200	25	4	0	0	5	0	0	0	10	0	0	0	11	0	0	0
50/300	15	0	0	0	6	0	0	0	3	0	0	0	2	0	0	0
150/100	35	7	1	0	19	4	1	0	30	4	0	0	24	1	0	0
150/200	20	2	0	0	26	6	2	0	8	0	0	0	8	0	0	0
150/300	11	0	0	0	28	6	2	0	3	0	0	0	1	0	0	0
250/100	18	1	0	0	30	7	3	1	19	1	0	0	10	0	0	0
250/200	11	0	0	0	43	13	5	2	4	0	0	0	4	0	0	0
250/300	7	0	0	0	50	17	7	3	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	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	5	0	0	10	0	0	0	21	1	0	0	17	1	0	0
50/200	16	0	0	0	13	0	0	0	14	0	0	0	9	0	0	0
50/300	9	0	0	0	13	0	0	0	9	0	0	0	7	0	0	0
150/100	21	0	0	0	31	5	1	0	0	0	0	0	0	0	0	0
150/200	10	0	0	0	42	11	4	1	0	0	0	0	0	0	0	0
150/300	6	0	0	0	46	12	4	2	0	0	0	0	0	0	0	0
250/100	0	0	0	0	59	27	15	7	0	0	0	0	0	0	0	0
250/200	0	0	0	0	82	58	41	28	0	0	0	0	0	0	0	0
250/300	0	0	0	0	89	73	60	46	0	0	0	0	0	0	0	0

TABLE A- 31. PROBABILITY(X), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CARIBOU, MAINE

	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
00	52	28	12	5	60	38	17	9	81	66	44	31	27	5	0	0
120	0	0	0	0	100	100	100	99	39	18	8	3	79	66	48	35
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	99	99
240	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
	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
00	91	82	69	57	15	4	0	0	95	91	82	76	4	0	0	0
120	78	60	36	20	36	13	2	1	84	72	54	41	21	5	0	0
180	66	41	17	7	53	30	7	1	72	53	30	17	38	14	4	1
240	50	22	3	0	62	39	16	5	57	32	10	2	51	28	8	3
300	32	7	0	0	78	62	38	24	34	14	3	0	69	49	25	12
	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
00	84	69	48	32	17	4	0	0	68	46	21	10	43	18	4	1
120	66	42	18	6	43	19	3	0	33	9	1	0	74	58	39	30
180	42	18	4	0	70	52	30	22	0	0	0	0	99	99	99	99
240	8	0	0	0	97	95	93	92	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

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

	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
00	35	8	0	0	65	42	16	5	43	16	0	0	66	42	11	3
140	17	4	0	0	79	62	36	20	24	4	0	0	74	56	29	17
200	10	4	0	0	88	77	58	46	22	3	0	0	82	68	45	30
240	7	4	0	0	93	85	74	64	16	2	0	0	88	77	58	44
320	5	2	0	0	95	89	80	73	17	1	0	0	94	87	75	62
	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
00	50	23	6	0	60	39	20	9	44	17	2	0	61	37	13	3
140	31	12	0	0	71	53	34	23	28	5	0	0	79	64	42	29
200	21	3	0	0	81	68	47	37	16	0	0	0	89	78	60	46
240	15	4	0	0	88	78	63	51	8	0	0	0	93	86	74	63
320	13	4	0	0	93	86	75	65	6	0	0	0	96	92	84	78
	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
00	37	10	2	0	65	45	25	13	30	5	0	0	70	50	24	11
140	25	5	0	0	82	69	48	31	14	4	1	0	83	70	53	41
200	9	0	0	0	91	83	69	56	6	1	0	0	91	82	69	59
240	2	0	0	0	94	89	80	72	4	0	0	0	93	87	77	67
320	0	0	0	0	98	96	93	90	0	0	0	0	96	93	86	81

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

	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
80	58	31	10	4	55	26	5	1	45	18	1	0	60	32	7	1
140	45	15	2	0	69	46	21	13	34	8	0	0	77	59	32	18
200	28	8	1	0	79	62	39	27	20	4	0	0	84	70	44	26
260	23	10	2	0	86	73	51	36	16	3	0	0	88	77	56	40
320	14	4	0	0	90	80	62	49	18	1	0	0	94	87	75	65
	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
80	26	10	0	0	86	76	60	49	8	0	0	0	96	92	82	73
140	18	4	0	0	96	93	87	81	2	0	0	0	99	99	98	97
200	4	0	0	0	98	97	96	94	0	0	0	0	100	99	99	98
260	0	0	0	0	99	98	97	96	0	0	0	0	100	99	99	98
320	0	0	0	0	99	99	98	98	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
80	20	1	0	0	90	82	65	49	33	8	0	0	79	65	42	26
140	21	0	0	0	96	93	85	76	21	1	0	0	81	67	43	28
200	3	0	0	0	98	96	92	88	11	0	0	0	95	89	81	72
260	3	0	0	0	99	98	96	94	11	0	0	0	95	91	82	75
320	0	0	0	0	99	98	96	95	0	0	0	0	97	95	90	86

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

	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
80	69	47	24	14	46	19	3	1	64	38	15	8	39	14	0	0
140	59	33	12	4	58	27	7	2	44	17	0	0	56	30	8	1
200	42	14	1	0	64	39	12	3	37	11	0	0	68	45	18	8
260	32	9	1	0	70	47	19	7	32	7	0	0	74	54	27	13
320	25	8	2	0	77	59	32	19	26	5	0	0	80	63	35	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	62	39	15	5	53	30	13	4	53	23	5	1	55	30	8	3
140	48	23	4	0	65	44	24	13	33	9	0	0	72	53	28	16
200	36	15	0	0	76	60	40	27	30	5	0	0	84	71	51	36
260	28	5	0	0	81	69	50	39	20	0	0	0	90	82	67	54
320	22	2	0	0	87	77	60	48	8	0	0	0	94	88	78	68
	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
80	53	27	8	1	58	35	15	5	58	33	10	3	57	28	4	0
140	40	12	0	0	73	55	34	18	35	8	2	0	70	50	26	13
200	22	5	0	0	84	70	50	33	27	4	0	0	79	64	44	29
260	18	3	0	0	90	79	63	45	18	3	0	0	85	73	54	39
320	3	0	0	0	91	84	70	56	13	2	0	0	89	80	63	51

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

	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
50/100	9	0	0	0	36	11	2	0	36	10	0	0	32	8	0	0
50/200	4	0	0	0	48	23	5	1	20	2	0	0	14	3	0	0
50/300	4	0	0	0	51	29	8	3	17	1	0	0	12	1	0	0
150/100	0	0	0	0	70	49	21	8	0	0	0	0	21	3	0	0
150/200	0	0	0	0	88	77	58	46	0	0	0	0	11	1	0	0
150/300	0	0	0	0	94	89	79	71	0	0	0	0	0	0	0	0
250/100	0	0	0	0	70	49	21	8	0	0	0	0	8	2	0	0
250/200	0	0	0	0	88	77	58	46	0	0	0	0	3	3	0	0
250/300	0	0	0	0	94	89	79	71	0	0	0	0	0	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	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	48	19	3	0	7	0	0	0	32	12	0	0	31	6	0	0
50/200	21	3	0	0	12	0	0	0	5	0	0	0	4	0	0	0
50/300	16	3	0	0	12	0	0	0	4	0	0	0	0	0	0	0
150/100	37	9	0	0	38	21	5	0	28	9	0	0	18	3	0	0
150/200	16	1	0	0	39	20	6	2	3	0	0	0	2	0	0	0
150/300	11	0	0	0	41	21	6	2	4	0	0	0	0	0	0	0
250/100	20	2	0	0	42	23	12	4	14	3	0	0	11	2	0	0
250/200	11	1	0	0	53	29	12	5	4	0	0	0	4	0	0	0
250/300	2	0	0	0	58	35	14	5	0	0	0	0	0	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	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	29	3	0	0	6	0	0	0	18	3	0	0	8	0	0	0
50/200	9	0	0	0	6	0	0	0	5	0	0	0	7	0	0	0
50/300	0	0	0	0	6	0	0	0	0	0	0	0	6	0	0	0
150/100	11	0	0	0	40	16	4	1	4	0	0	0	0	0	0	0
150/200	2	0	0	0	49	24	9	4	0	0	0	0	0	0	0	0
150/300	0	0	0	0	51	28	13	6	0	0	0	0	0	0	0	0
250/100	0	0	0	0	70	51	32	19	0	0	0	0	0	0	0	0
250/200	0	0	0	0	91	83	69	56	0	0	0	0	0	0	0	0
250/300	0	0	0	0	97	95	91	88	0	0	0	0	0	0	0	0

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

	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
50/100	26	10	3	0	20	7	0	0	54	28	7	3	69	46	18	3
50/200	13	4	0	0	23	5	0	0	33	8	0	0	52	22	3	0
50/300	6	0	0	0	35	12	3	0	23	3	0	0	44	16	0	0
150/100	0	0	0	0	49	22	4	1	0	0	0	0	47	22	3	0
150/200	0	0	0	0	64	39	12	3	0	0	0	0	32	8	0	0
150/300	0	0	0	0	75	56	29	17	0	0	0	0	24	5	0	0
250/100	0	0	0	0	49	22	4	1	0	0	0	0	7	2	0	0
250/200	0	0	0	0	64	39	12	3	0	0	0	0	3	3	0	0
250/300	0	0	0	0	75	56	29	17	0	0	0	0	3	3	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	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	54	29	7	1	4	0	0	0	45	16	2	1	44	18	2	0
50/200	36	14	1	0	7	0	0	0	26	5	0	0	11	1	0	0
50/300	24	3	0	0	12	0	0	0	15	0	0	0	6	0	0	0
150/100	42	17	2	0	36	21	3	0	34	10	1	0	37	14	0	0
150/200	25	5	1	0	39	20	6	2	20	3	0	0	9	0	0	0
150/300	14	0	0	0	40	20	6	2	14	0	0	0	4	0	0	0
250/100	23	4	0	0	40	22	13	4	20	5	1	0	19	6	0	0
250/200	16	2	0	0	50	26	12	5	10	0	0	0	2	0	0	0
250/300	6	0	0	0	54	32	13	5	2	0	0	0	0	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	DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS		DAYS	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	41	14	2	0	7	0	0	0	32	10	1	0	28	7	0	0
50/200	18	4	0	0	6	0	0	0	18	2	0	0	19	3	0	0
50/300	9	0	0	0	6	0	0	0	8	1	0	0	17	4	0	0
150/100	16	0	0	0	38	12	2	0	4	0	0	0	0	0	0	0
150/200	10	0	0	0	48	25	9	5	4	0	0	0	0	0	0	0
150/300	5	0	0	0	49	24	9	4	4	0	0	0	0	0	0	0
250/100	0	0	0	0	63	42	23	11	0	0	0	0	0	0	0	0
250/200	0	0	0	0	84	70	49	33	0	0	0	0	0	0	0	0
250/300	0	0	0	0	90	81	66	51	0	0	0	0	0	0	0	0

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

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	54	17	7	3	45	9	2	0	67	32	13	5	32	4	1	0
120	0	0	0	0	100	100	100	99	30	4	0	0	69	36	19	9
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	99
240	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
	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
60	94	84	76	70	5	0	0	0	97	92	87	83	2	0	0	0
120	74	46	28	17	25	3	0	0	81	58	44	34	18	2	0	0
180	60	27	13	7	39	10	2	0	68	42	27	17	31	6	1	0
240	45	12	3	0	54	22	10	5	52	20	7	2	47	16	6	2
300	18	1	0	0	61	58	41	29	25	4	0	0	74	49	33	23
	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
60	89	72	56	42	10	0	0	0	74	46	27	19	25	4	1	0
120	66	33	15	6	33	6	0	0	46	13	4	2	53	22	13	10
160	39	11	3	0	60	30	18	12	1	0	0	0	98	97	97	97
240	0	0	0	0	99	99	99	99	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

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

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
40	26	2	0	0	73	42	22	13	35	8	1	0	64	32	16	8
80	11	0	0	0	88	71	57	46	18	1	0	0	81	54	39	29
120	5	0	0	0	94	85	76	67	11	0	0	0	88	71	57	47
160	2	0	0	0	97	91	86	79	6	0	0	0	93	81	71	63
200	1	0	0	0	98	95	91	87	4	0	0	0	95	87	80	74
	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
40	36	9	3	1	64	34	20	12	25	4	0	0	74	47	32	21
80	14	1	0	0	85	67	55	47	6	0	0	0	93	81	73	65
120	6	0	0	0	93	84	76	70	2	0	0	0	97	94	91	88
160	2	0	0	0	97	92	88	85	0	0	0	0	99	97	96	95
200	1	0	0	0	98	95	93	91	0	0	0	0	99	98	97	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	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
40	19	2	0	0	80	57	40	29	21	2	0	0	78	50	32	20
80	6	0	0	0	93	82	72	64	7	0	0	0	92	79	69	60
120	2	0	0	0	97	92	88	84	2	0	0	0	97	91	86	82
160	1	0	0	0	98	96	95	92	1	0	0	0	98	94	91	88
200	0	0	0	0	99	99	98	97	1	0	0	0	98	96	94	92

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

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
40	33	6	1	0	66	36	22	15	33	7	1	0	66	36	21	14
60	18	1	0	0	81	58	42	32	15	0	0	0	84	63	49	41
120	10	0	0	0	89	74	63	55	8	0	0	0	91	79	70	62
160	6	0	0	0	93	83	75	68	4	0	0	0	95	87	79	73
200	4	0	0	0	95	88	83	76	3	0	0	0	97	92	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	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
40	6	0	0	0	93	84	77	72	1	0	0	0	98	96	94	93
60	0	0	0	0	99	98	97	97	0	0	0	0	100	100	100	100
120	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
160	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
200	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
40	2	0	0	0	97	91	84	77	13	0	0	0	82	61	45	33
60	0	0	0	0	99	98	96	94	3	0	0	0	92	80	69	60
120	0	0	0	0	100	99	99	98	1	0	0	0	96	90	84	77
160	0	0	0	0	100	100	100	99	0	0	0	0	97	93	88	84
200	0	0	0	0	100	100	100	99	0	0	0	0	99	98	96	94

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

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
40	47	14	4	1	52	19	6	1	53	20	9	4	46	14	3	1
60	30	4	1	0	70	37	20	12	36	9	2	0	63	30	15	8
120	20	2	0	0	79	53	35	25	24	3	0	0	75	46	30	21
160	15	1	0	0	84	64	47	36	16	1	0	0	83	62	47	36
200	11	0	0	0	88	73	60	50	11	0	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
40	44	15	6	3	55	26	14	8	31	7	1	0	68	41	27	18
60	21	2	0	0	78	57	45	36	10	0	0	0	89	75	64	56
120	10	1	0	0	89	75	66	59	4	0	0	0	95	88	82	77
160	5	0	0	0	94	86	79	74	1	0	0	0	98	96	94	92
200	2	0	0	0	97	92	88	85	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
40	26	4	1	0	73	46	28	18	34	7	1	0	61	28	14	6
60	9	0	0	0	91	77	64	54	17	2	0	0	80	56	39	27
120	4	0	0	0	95	88	80	73	9	0	0	0	90	76	64	55
160	2	0	0	0	97	93	89	85	4	0	0	0	95	86	78	71
200	1	0	0	0	99	97	94	92	2	0	0	0	97	90	84	78

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

THRESHOLD	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	22	1	0	0	34	5	0	0	29	5	1	0	41	11	3	1
50/ 80	8	0	0	0	36	6	1	0	16	1	0	0	22	2	0	0
50/120	4	0	0	0	37	6	1	0	10	0	0	0	13	0	0	0
150/ 40	0	0	0	0	73	42	22	13	2	0	0	0	25	3	1	0
150/ 80	0	0	0	0	88	71	57	46	1	0	0	0	48	13	4	1
150/120	0	0	0	0	94	85	76	67	1	0	0	0	51	15	5	1
250/ 40	0	0	0	0	73	42	22	13	0	0	0	0	54	21	8	5
250/ 80	0	0	0	0	88	71	57	46	0	0	0	0	76	49	33	23
250/120	0	0	0	0	94	85	76	67	0	0	0	0	85	65	49	36
THRESHOLD	M A Y				J U N E				J U L Y				A U G U S T			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	34	8	2	0	2	0	0	0	16	1	0	0	16	1	0	0
50/ 80	14	1	0	0	2	0	0	0	2	0	0	0	3	0	0	0
50/120	6	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0
150/ 40	27	4	1	0	23	3	0	0	14	1	0	0	13	1	0	0
150/ 80	12	0	0	0	29	4	0	0	2	0	0	0	2	0	0	0
150/120	5	0	0	0	31	5	0	0	0	0	0	0	0	0	0	0
250/ 40	18	1	0	0	40	11	4	0	8	0	0	0	4	0	0	0
250/ 80	8	0	0	0	51	18	7	2	1	0	0	0	0	0	0	0
250/120	3	0	0	0	55	21	10	4	0	0	0	0	0	0	0	0
THRESHOLD	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	18	2	0	0	5	0	0	0	17	1	0	0	15	1	0	0
50/ 80	5	0	0	0	5	0	0	0	6	0	0	0	6	0	0	0
50/120	2	0	0	0	6	0	0	0	2	0	0	0	3	0	0	0
150/ 40	13	1	0	0	38	10	3	1	3	0	0	0	0	0	0	0
150/ 80	4	0	0	0	42	11	3	1	0	0	0	0	0	0	0	0
150/120	2	0	0	0	44	12	4	1	0	0	0	0	0	0	0	0
250/ 40	0	0	0	0	80	57	40	29	0	0	0	0	0	0	0	0
250/ 80	0	0	0	0	93	82	72	64	0	0	0	0	0	0	0	0
250/120	0	0	0	0	97	92	88	84	0	0	0	0	0	0	0	0

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

THRESHOLD	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	32	4	0	0	24	1	0	0	41	10	2	0	48	19	7	4
50/ 80	22	1	0	0	31	3	0	0	20	1	0	0	33	6	1	0
50/120	16	0	0	0	34	4	0	0	23	3	0	0	17	2	0	0
150/ 40	0	0	0	0	52	19	6	1	4	0	0	0	27	3	0	0
150/ 80	0	0	0	0	70	37	20	12	2	0	0	0	40	8	2	0
150/120	0	0	0	0	79	53	35	25	2	0	0	0	46	12	3	1
250/ 40	0	0	0	0	52	19	6	1	0	0	0	0	41	12	4	2
250/ 80	0	0	0	0	70	37	20	12	0	0	0	0	62	32	16	10
250/120	0	0	0	0	79	53	35	25	0	0	0	0	74	49	34	24
THRESHOLD	M A Y				J U N E				J U L Y				A U G U S T			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	43	14	6	2	1	0	0	0	21	2	0	0	21	2	0	0
50/ 80	20	2	0	0	2	0	0	0	5	0	0	0	5	0	0	0
50/120	10	1	0	0	2	0	0	0	1	0	0	0	1	0	0	0
150/ 40	34	7	3	1	21	2	0	0	18	1	0	0	17	2	0	0
150/ 80	16	1	0	0	27	4	0	0	4	0	0	0	4	0	0	0
150/120	8	0	0	0	30	5	0	0	1	0	0	0	1	0	0	0
250/ 40	21	1	0	0	34	9	2	0	10	0	0	0	5	0	0	0
250/ 80	10	0	0	0	47	16	7	2	2	0	0	0	1	0	0	0
250/120	5	0	0	0	52	20	9	4	0	0	0	0	0	0	0	0
THRESHOLD	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. 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
I / W	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
50/ 40	24	3	0	0	4	0	0	0	27	5	0	0	23	1	0	0
50/ 80	7	0	0	0	5	0	0	0	15	1	0	0	16	0	0	0
50/120	3	0	0	0	6	0	0	0	7	0	0	0	11	0	0	0
150/ 40	15	1	0	0	34	7	1	0	4	0	0	0	0	0	0	0
150/ 80	4	0	0	0	40	10	3	1	2	0	0	0	0	0	0	0
150/120	2	0	0	0	43	12	3	1	1	0	0	0	0	0	0	0
250/ 40	0	0	0	0	73	46	28	18	0	0	0	0	0	0	0	0
250/ 80	0	0	0	0	91	77	64	54	0	0	0	0	0	0	0	0
250/120	0	0	0	0	95	88	80	73	0	0	0	0	0	0	0	0

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50	55	28	10	5	42	18	4	1	69	48	18	6	80	64	42	28
120	0	0	0	0	100	100	100	99	40	14	1	0	59	35	13	4
150	0	0	0	0	100	100	100	100	0	0	0	0	40	17	3	1
240	0	0	0	0	100	100	100	100	0	0	0	0	99	98	95	91
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50	94	88	81	73	5	0	0	0	97	94	90	85	97	94	89	83
120	77	50	35	21	33	10	0	0	83	70	52	39	86	74	52	37
150	65	41	20	11	46	23	6	1	74	58	37	23	73	54	29	16
240	51	25	5	1	61	36	17	7	60	37	13	4	53	28	7	2
300	31	7	1	0	84	70	49	33	35	14	2	0	17	1	0	0
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50	90	80	62	46	16	4	0	0	78	60	36	24	57	33	11	4
120	70	49	21	7	42	17	1	0	50	26	7	3	1	0	0	0
150	46	26	7	1	70	49	30	19	2	0	0	0	0	0	0	0
240	0	0	0	0	99	99	99	99	0	0	0	0	0	0	0	0
300	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	26	7	1	0	74	55	28	16	42	19	3	0	52	27	7	2
50	11	2	0	0	90	80	63	51	19	4	0	0	33	11	0	0
120	5	0	0	0	95	89	79	70	11	2	0	0	15	2	0	0
150	4	0	0	0	97	94	88	81	4	0	0	0	7	0	0	0
200	2	0	0	0	98	96	92	86	4	0	0	0	1	0	0	0
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	42	16	5	2	63	49	27	14	32	11	1	0	20	4	0	0
50	19	5	0	0	86	76	62	52	9	1	0	0	3	0	0	0
120	7	1	0	0	94	89	81	74	1	0	0	0	0	0	0	0
150	4	0	0	0	97	95	90	87	1	0	0	0	0	0	0	0
200	2	0	0	0	98	97	94	92	1	0	0	0	0	0	0	0
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	19	6	1	0	62	68	48	33	30	9	0	0	30	8	0	0
50	9	2	0	0	93	88	76	67	10	1	0	0	9	0	0	0
120	2	0	0	0	97	95	90	86	5	0	0	0	5	0	0	0
150	1	0	0	0	98	97	96	93	3	0	0	0	1	0	0	0
200	0	0	0	0	99	99	98	97	4	0	0	0	0	0	0	0

TABLE A- 45. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CONCORD, NEW HAMPSHIRE

	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
40	43	16	3	0	72	52	30	20	43	18	3	0	71	50	27	17
80	23	5	0	0	83	69	49	36	24	3	0	0	91	84	70	59
120	19	3	0	0	90	82	69	59	14	2	0	0	96	92	86	79
160	13	0	0	0	94	89	80	72	8	1	0	0	98	97	95	93
200	10	0	0	0	96	92	86	81	4	0	0	0	99	98	97	96
	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
40	12	1	0	0	94	89	81	75	4	0	0	0	99	98	97	96
80	0	0	0	0	99	99	98	97	0	0	0	0	100	100	100	100
120	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
160	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
200	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	1	0	0	0	96	93	86	78	20	2	0	0	85	73	53	39
80	1	0	0	0	99	98	96	95	10	1	0	0	93	86	74	64
120	0	0	0	0	99	99	99	98	4	0	0	0	96	93	86	79
160	0	0	0	0	100	100	99	99	2	0	0	0	97	95	90	85
200	0	0	0	0	100	100	99	99	2	0	0	0	99	98	96	94

TABLE A- 46. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CONCORD, NEW HAMPSHIRE

	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
40	51	26	8	1	59	33	10	3	60	34	13	6	51	25	8	4
80	33	11	2	0	73	51	27	16	42	20	3	0	69	47	23	15
120	25	7	1	0	81	65	42	29	32	10	0	0	80	64	43	32
160	18	4	0	0	86	74	54	41	20	7	0	0	85	72	52	39
200	16	1	0	0	90	81	66	55	14	1	0	0	89	79	63	51
	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
40	51	26	10	4	62	41	21	12	40	17	2	0	80	67	50	39
80	28	7	0	0	81	69	53	44	14	4	0	0	95	91	83	75
120	15	4	0	0	90	83	71	64	7	0	0	0	98	97	95	93
160	7	0	0	0	95	90	83	77	3	0	0	0	99	99	98	98
200	2	0	0	0	97	94	90	87	1	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	31	10	2	0	76	59	36	22	46	18	3	1	67	44	21	9
80	10	2	0	0	91	83	69	58	27	8	1	0	83	69	47	32
120	2	0	0	0	95	91	83	76	13	1	0	0	89	80	64	52
160	2	0	0	0	97	95	91	87	4	0	0	0	93	86	74	65
200	0	0	0	0	98	97	95	93	4	0	0	0	95	90	80	72

TABLE A- 47. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CONCORD, NEW HAMPSHIRE

		J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		23	4	0	0	33	12	1	0	38	14	2	0	50	24	6	2
50/ 80		8	0	0	0	35	13	2	0	29	6	0	0	19	5	0	0
50/120		2	0	0	0	36	14	2	0	14	2	0	0	19	5	0	0
150/ 40		0	0	0	0	74	55	28	16	33	12	2	0	43	15	3	0
150/ 80		0	0	0	0	90	80	63	51	20	5	0	0	52	25	7	2
150/120		0	0	0	0	95	89	79	70	8	1	0	0	54	28	8	2
250/ 40		0	0	0	0	74	55	28	16	0	0	0	0	60	35	13	7
250/ 80		0	0	0	0	90	80	63	51	0	0	0	0	79	63	41	28
250/120		0	0	0	0	95	89	79	70	0	0	0	0	86	75	55	40
		M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		41	17	5	1	2	0	0	0	0	0	0	0	21	7	0	0
50/ 80		19	5	0	0	2	0	0	0	0	0	0	0	3	0	0	0
50/120		7	1	0	0	3	0	0	0	0	0	0	0	4	2	0	0
150/ 40		31	10	2	1	28	10	1	0	25	7	0	0	16	6	0	0
150/ 80		13	2	0	0	36	13	1	0	3	0	0	0	1	0	0	0
150/120		6	0	0	0	39	15	1	0	0	0	0	0	4	2	0	0
250/ 40		21	3	0	0	49	25	8	1	45	23	7	3	3	0	0	0
250/ 80		9	0	0	0	58	33	12	4	54	30	9	3	0	0	0	0
250/120		5	0	0	0	61	36	16	6	56	33	11	4	0	0	0	0
		S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		19	6	1	0	8	1	0	0	26	6	0	0	16	3	0	0
50/ 80		8	1	0	0	8	1	0	0	4	0	0	0	7	1	0	0
50/120		2	0	0	0	9	1	0	0	3	0	0	0	3	0	0	0
150/ 40		12	3	1	0	48	23	6	2	79	62	39	24	0	0	0	0
150/ 80		5	0	0	0	50	25	7	2	80	69	53	45	0	0	0	0
150/120		2	0	0	0	52	25	8	3	85	76	65	58	0	0	0	0
250/ 40		0	0	0	0	62	66	48	33	79	62	40	24	0	0	0	0
250/ 80		0	0	0	0	93	88	76	67	92	85	74	64	0	0	0	0
250/120		0	0	0	0	97	95	90	86	97	94	88	84	0	0	0	0

TABLE A- 48. PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - CONCORD, NEW HAMPSHIRE

		J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		32	10	1	0	27	5	0	0	47	21	4	1	57	33	12	6
50/ 80		24	4	0	0	29	8	0	0	23	4	0	0	16	3	0	0
50/120		18	3	0	0	33	11	0	0	28	6	0	0	26	8	0	0
150/ 40		0	0	0	0	59	33	10	3	50	25	4	0	36	11	0	0
150/ 80		0	0	0	0	73	51	27	16	64	40	15	5	46	19	4	1
150/120		0	0	0	0	81	65	42	29	73	54	30	18	52	24	7	1
250/ 40		0	0	0	0	59	33	10	3	0	0	0	0	51	25	8	4
250/ 80		0	0	0	0	73	51	27	16	66	43	20	10	69	47	23	14
250/120		0	0	0	0	81	65	42	29	76	58	36	24	80	64	43	30
		M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		49	25	9	4	2	0	0	0	28	7	0	0	29	9	1	0
50/ 80		27	7	0	0	2	0	0	0	8	0	0	0	8	1	0	0
50/120		15	4	0	0	2	0	0	0	2	0	0	0	4	2	0	0
150/ 40		38	15	5	1	24	9	1	0	39	16	2	0	24	7	1	0
150/ 80		21	4	0	0	33	12	1	0	13	4	0	0	3	1	0	0
150/120		10	2	0	0	38	15	1	0	4	0	0	0	4	2	0	0
250/ 40		25	5	0	0	45	21	6	1	20	3	0	0	49	26	8	2
250/ 80		13	0	0	0	55	31	13	4	51	28	8	3	56	32	12	4
250/120		6	0	0	0	60	35	14	6	55	30	9	3	57	34	14	6
		S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
I / W		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
		2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40		30	9	1	0	6	1	0	0	39	14	1	0	20	5	0	0
50/ 80		9	1	0	0	8	1	0	0	22	6	1	0	16	3	0	0
50/120		2	0	0	0	9	1	0	0	7	1	0	0	12	1	0	0
150/ 40		17	4	1	0	44	19	3	0	59	36	14	5	0	0	0	0
150/ 80		5	0	0	0	50	24	6	2	73	57	38	27	0	0	0	0
150/120		2	0	0	0	51	25	7	2	79	65	49	41	0	0	0	0
250/ 40		0	0	0	0	76	59	36	22	70	49	24	11	0	0	0	0
250/ 80		0	0	0	0	91	83	69	58	84	71	51	37	0	0	0	0
250/120		0	0	0	0	95	91	83	76	91	83	69	59	0	0	0	0

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

	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		.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	57	21	7	2	42	8	1	0	72	43	27	18	27	2	0	0
120	1	0	0	0	98	94	89	83	42	10	2	0	57	20	6	2
180	0	0	0	0	100	100	100	100	1	0	0	0	98	96	92	88
240	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
	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		.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	97	93	89	86	2	0	0	0	92	97	95	93	1	0	0	0
120	81	58	42	32	18	1	0	0	89	76	64	54	10	0	0	0
180	66	34	18	9	33	6	1	0	75	49	31	18	24	3	0	0
240	46	15	5	1	53	12	7	3	56	25	10	3	43	13	4	1
300	18	2	0	0	81	59	42	29	29	6	1	0	70	42	25	15
	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		.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	94	84	74	64	5	0	0	0	86	68	51	38	13	1	0	0
120	72	42	24	12	27	4	0	0	56	27	11	5	43	17	7	3
180	49	20	6	2	50	19	7	2	10	1	0	0	89	81	78	77
240	4	0	0	0	95	91	89	88	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

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

	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		.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
40	31	4	0	0	68	36	19	10	37	10	4	2	62	27	11	5
80	16	0	0	0	83	59	42	29	23	3	0	0	76	46	26	15
120	10	0	0	0	90	73	59	48	15	1	0	0	85	63	47	35
160	5	0	0	0	94	83	74	66	11	0	0	0	89	72	58	47
200	4	0	0	0	95	88	82	77	7	0	0	0	92	80	72	64
	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		.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
40	31	6	1	0	68	39	25	17	22	3	0	0	77	52	37	25
80	11	0	0	0	88	73	62	53	6	0	0	0	93	84	75	66
120	4	0	0	0	95	86	80	75	2	0	0	0	97	92	87	82
160	2	0	0	0	97	92	89	86	1	0	0	0	98	96	94	93
200	1	0	0	0	98	96	94	93	0	0	0	0	99	98	97	97
	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		.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
40	14	0	0	0	85	66	53	43	22	2	0	0	77	53	37	24
80	4	0	0	0	95	88	80	73	9	0	0	0	90	75	64	55
120	1	0	0	0	98	95	92	89	4	0	0	0	95	87	80	74
160	0	0	0	0	99	98	97	95	2	0	0	0	97	93	88	84
200	0	0	0	0	100	100	99	98	1	0	0	0	98	95	92	89

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

	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
40	37	8	1	0	62	33	17	8	37	10	3	1	62	30	15	8
80	21	2	0	0	78	55	37	24	21	3	1	0	79	58	42	32
120	13	0	0	0	87	70	56	46	13	1	0	0	86	71	58	50
160	8	0	0	0	91	79	68	60	9	0	0	0	91	81	71	63
200	6	0	0	0	94	85	77	71	6	0	0	0	94	85	76	69
	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
40	9	0	0	0	90	78	70	63	2	0	0	0	97	92	87	83
80	2	0	0	0	97	93	90	88	0	0	0	0	100	99	99	98
120	0	0	0	0	99	97	96	95	0	0	0	0	100	99	99	99
160	0	0	0	0	99	99	99	96	0	0	0	0	100	99	99	99
200	0	0	0	0	100	100	100	100	0	0	0	0	100	99	99	99
	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
40	3	0	0	0	96	90	83	77	11	0	0	0	68	37	21	12
80	0	0	0	0	99	98	96	94	4	0	0	0	83	63	47	36
120	0	0	0	0	99	99	98	97	1	0	0	0	90	76	64	53
160	0	0	0	0	100	100	100	99	0	0	0	0	95	86	78	71
200	0	0	0	0	100	100	100	100	0	0	0	0	97	91	86	81

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

	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
40	53	16	6	2	46	14	3	0	57	25	13	7	42	10	2	0
80	35	6	1	0	64	33	19	10	38	11	3	1	61	29	13	7
120	25	3	0	0	74	47	29	17	30	6	2	1	70	38	20	12
160	19	1	0	0	80	57	40	26	23	3	0	0	76	46	29	18
200	15	1	0	0	85	65	49	36	18	2	0	0	81	57	39	28
	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
40	46	15	5	2	53	21	10	5	29	6	1	0	70	41	24	14
80	20	2	0	0	79	56	42	33	10	0	0	0	89	76	66	58
120	10	1	0	0	89	77	68	62	5	0	0	0	94	87	80	74
160	5	0	0	0	94	85	78	73	1	0	0	0	98	94	91	88
200	3	0	0	0	96	90	86	83	1	0	0	0	98	96	94	92
	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
40	23	2	0	0	76	51	34	23	33	8	0	0	66	36	20	11
80	8	0	0	0	91	78	66	56	16	1	0	0	83	62	46	32
120	3	0	0	0	96	90	84	78	9	0	0	0	90	75	63	53
160	2	0	0	0	97	93	89	85	6	0	0	0	93	81	72	64
200	0	0	0	0	99	98	96	93	4	0	0	0	95	87	80	74

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

	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			
	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/ 40	26	2	0	0	29	3	0	0	34	8	3	2	16	0	0	0	42	12	3	1	6	0	0	0	48	15	5	1				
50/ 80	14	0	0	0	32	3	0	0	21	2	0	0	18	0	0	0	22	3	0	0	8	0	0	0	24	2	0	0				
50/120	8	0	0	0	33	4	0	0	14	1	0	0	19	0	0	0	14	0	0	0	8	0	0	0	13	0	0	0				
150/ 40	0	0	0	0	68	36	19	10	8	0	0	0	53	19	7	3	24	3	0	0	34	7	0	0	34	5	0	0				
150/ 80	0	0	0	0	87	59	42	29	5	0	0	0	64	29	13	6	12	0	0	0	43	11	2	0	17	0	0	0				
150/120	0	0	0	0	90	73	59	48	3	0	0	0	70	41	24	14	7	0	0	0	46	13	4	0	9	0	0	0				
250/ 40	0	0	0	0	68	36	19	10	0	0	0	0	62	27	11	5	0	0	0	0	55	22	7	3	14	1	0	0				
250/ 80	0	0	0	0	83	59	42	29	0	0	0	0	76	46	26	15	0	0	0	0	76	50	32	20	6	0	0	0				
250/120	0	0	0	0	90	73	59	48	0	0	0	0	85	63	47	35	0	0	0	0	85	64	47	34	2	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	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				
50/ 40	31	6	1	0	0	0	0	0	22	3	0	0	0	0	0	0	15	0	0	0	0	0	0	0	9	0	0	0				
50/ 80	11	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0				
50/120	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
150/ 40	26	4	0	0	21	2	0	0	20	2	0	0	15	0	0	0	13	0	0	0	13	1	0	0	8	0	0	0				
150/ 80	9	0	0	0	25	3	0	0	5	0	0	0	16	0	0	0	3	0	0	0	15	1	0	0	2	0	0	0				
150/120	4	0	0	0	26	3	0	0	2	0	0	0	17	1	0	0	1	0	0	0	15	1	0	0	0	0	0	0				
250/ 40	15	0	0	0	40	10	1	0	12	0	0	0	38	9	2	0	7	0	0	0	40	12	4	1	2	0	0	0				
250/ 80	5	0	0	0	51	18	6	2	3	0	0	0	45	14	5	1	2	0	0	0	46	16	7	3	0	0	0	0				
250/120	2	0	0	0	54	21	8	2	1	0	0	0	47	15	5	1	0	0	0	0	47	17	7	3	0	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	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				
50/ 40	14	0	0	0	2	0	0	0	20	2	0	0	7	0	0	0	21	0	0	0	24	3	0	0	21	1	0	0				
50/ 80	3	0	0	0	2	0	0	0	9	0	0	0	8	0	0	0	10	0	0	0	27	4	0	0	12	0	0	0				
50/120	1	0	0	0	2	0	0	0	4	0	0	0	8	0	0	0	5	0	0	0	28	4	1	0	7	0	0	0				
150/ 40	9	0	0	0	30	6	1	0	7	0	0	0	46	19	9	4	0	0	0	0	72	40	23	13	0	0	0	0				
150/ 80	3	0	0	0	34	8	1	0	2	0	0	0	55	28	18	13	0	0	0	0	86	66	52	41	0	0	0	0				
150/120	1	0	0	0	34	8	1	0	1	0	0	0	58	33	23	18	0	0	0	0	92	80	69	59	0	0	0	0				
250/ 40	0	0	0	0	85	66	53	43	0	0	0	0	77	53	37	24	0	0	0	0	72	40	23	13	0	0	0	0				
250/ 80	0	0	0	0	95	87	79	73	0	0	0	0	90	75	64	55	0	0	0	0	86	66	52	41	0	0	0	0				
250/120	0	0	0	0	97	94	91	88	0	0	0	0	95	87	80	74	0	0	0	0	92	80	69	59	0	0	0	0				

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

J. A. N. U. A. R. Y										F. E. B. R. U. A. R. Y										M. A. R. C. H.										A. P. R. I. L.										
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				
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/ 40	40	7	2	0	:	21	1	0	0	:	48	17	7	4	:	11	0	0	0	:	60	28	13	8	:	3	0	0	0	:	64	33	17	9	:	1	0	0	0	
50/ 80	29	3	1	0	:	27	3	0	0	:	33	5	1	1	:	15	0	0	0	:	40	11	2	0	:	5	0	0	0	:	39	10	2	0	:	2	0	0	0	
50/120	21	2	0	0	:	29	3	0	0	:	27	5	1	1	:	16	0	0	0	:	28	5	1	0	:	7	0	0	0	:	25	4	0	0	:	3	0	0	0	
150/ 40	0	0	0	0	:	46	14	3	0	:	11	1	0	0	:	36	7	1	0	:	33	5	0	0	:	21	1	0	0	:	44	10	2	0	:	12	1	0	0	
150/ 80	0	0	0	0	:	64	33	19	10	:	5	0	0	0	:	52	20	8	4	:	22	1	0	0	:	33	6	0	0	:	27	3	0	0	:	21	3	0	0	
150/120	0	0	0	0	:	74	47	29	17	:	6	0	0	0	:	59	25	10	5	:	15	1	0	0	:	39	9	2	0	:	16	0	0	0	:	26	3	0	0	
250/ 40	0	0	0	0	:	46	14	3	0	:	0	0	0	0	:	42	10	2	0	:	0	0	0	0	:	34	6	1	0	:	19	1	0	0	:	22	3	0	0	
250/ 80	0	0	0	0	:	64	33	19	10	:	0	0	0	0	:	61	29	13	7	:	0	0	0	0	:	56	25	11	5	:	11	0	0	0	:	40	11	2	1	
250/120	0	0	0	0	:	74	47	29	17	:	0	0	0	0	:	70	38	20	12	:	0	0	0	0	:	70	42	25	15	:	6	0	0	0	:	50	18	6	2	
M A Y										J U N E										J U L Y										A U G U S T										
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				
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/ 40	46	15	5	2	:	0	0	0	0	:	29	6	1	0	:	0	0	0	0	:	20	1	0	0	:	0	0	0	0	:	17	0	0	0	:	0	0	0	0	
50/ 80	20	2	0	0	:	0	0	0	0	:	10	0	0	0	:	0	0	0	0	:	5	0	0	0	:	0	0	0	0	:	4	0	0	0	:	0	0	0	0	
50/120	10	1	0	0	:	0	0	0	0	:	5	0	0	0	:	0	0	0	0	:	2	0	0	0	:	0	0	0	0	:	1	0	0	0	:	0	0	0	0	
150/ 40	36	8	1	0	:	16	1	0	0	:	25	4	0	0	:	13	0	0	0	:	18	1	0	0	:	13	0	0	0	:	14	0	0	0	:	20	2	0	0	
150/ 80	16	2	0	0	:	22	2	0	0	:	8	0	0	0	:	16	0	0	0	:	4	0	0	0	:	15	1	0	0	:	3	0	0	0	:	23	3	0	0	
150/120	8	0	0	0	:	25	3	0	0	:	4	0	0	0	:	16	1	0	0	:	1	0	0	0	:	15	1	0	0	:	1	0	0	0	:	24	3	0	0	
250/ 40	21	1	0	0	:	31	5	0	0	:	15	0	0	0	:	33	6	1	0	:	11	0	0	0	:	32	12	4	1	:	4	0	0	0	:	54	22	10	6	
250/ 80	8	0	0	0	:	45	13	3	1	:	5	0	0	0	:	43	12	4	1	:	2	0	0	0	:	46	15	7	3	:	1	0	0	0	:	64	34	20	14	
250/120	4	0	0	0	:	51	19	7	2	:	2	0	0	0	:	45	14	5	1	:	1	0	0	0	:	47	17	7	3	:	0	0	0	0	:	66	39	25	18	
S E P T E M B E R										O C T O B E R										N O V E M B E R										D E C E M B E R										
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				
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/ 40	23	2	0	0	:	2	0	0	0	:	29	6	0	0	:	5	0	0	0	:	34	7	2	0	:	17	1	0	0	:	32	5	0	0	:	25	4	0	0	
50/ 80	8	0	0	0	:	2	0	0	0	:	15	1	0	0	:	7	0	0	0	:	21	1	0	0	:	22	2	0	0	:	22	2	0	0	:	3	0	0	0	
50/120	2	0	0	0	:	2	0	0	0	:	8	0	0	0	:	8	0	0	0	:	15	0	0	0	:	24	3	0	0	:	17	1	0	0	:	36	8	2	0	
150/ 40	14	1	0	0	:	26	4	0	0	:	11	0	0	0	:	39	13	5	1	:	0	0	0	0	:	52	20	9	4	:	0	0	0	0	:	50	17	5	1	
150/ 80	5	0	0	0	:	32	8	1	0	:	5	0	0	0	:	50	22	13	7	:	0	0	0	0	:	70	39	22	13	:	0	0	0	0	:	67	33	16	8	
150/120	2	0	0	0	:	33	8	1	0	:	2	0	0	0	:	54	28	19	13	:	0	0	0	0	:	79	54	36	24	:	0	0	0	0	:	75	46	27	17	
250/ 40	0	0	0	0	:	76	51	34	23	:	0	0	0	0	:	66	36	20	11	:	0	0	0	0	:	52	20	9	4	:	0	0	0	0	:	50	17	5	1	
250/ 80	0	0	0	0	:	90	78	65	56	:	0	0	0	0	:	83	62	46	32	:	0	0	0	0	:	70	39	22	13	:	0	0	0	0	:	67	35	16	8	
250/120	0	0	0	0	:	96	90	83	78	:	0	0	0	0	:	90	75	63	53	:	0	0	0	0	:	79	54	36	24	:	0	0	0	0	:	75	46	27	17	

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	60	36	11	4	46	18	2	0	75	56	36	24	30	7	0	0
120	4	0	0	0	98	96	91	84	50	23	4	0	59	34	11	3
150	0	0	0	0	100	100	100	100	2	0	0	0	98	96	93	88
240	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
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	97	95	91	87	2	1	0	0	98	96	96	94	0	0	0	0
120	63	69	50	38	18	4	0	0	91	84	71	60	15	2	0	0
150	69	49	25	13	39	17	2	0	60	65	40	23	38	12	0	0
240	53	30	10	3	60	33	12	5	66	44	18	5	54	28	7	2
300	24	7	1	0	64	71	50	35	45	17	3	0	76	58	33	19
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	64	82	78	67	7	0	0	0	88	78	58	43	23	4	0	0
120	76	57	31	16	38	13	0	0	67	45	18	7	58	35	15	6
150	60	36	11	3	62	36	12	4	28	9	0	0	94	90	87	86
240	13	5	1	0	97	96	94	92	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

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	33	10	1	0	71	51	26	13	46	23	8	4	65	42	16	6
50	18	2	0	0	84	70	48	32	26	9	0	0	81	64	40	25
120	10	0	0	0	90	80	64	51	17	3	0	0	87	75	54	40
150	4	0	0	0	94	87	78	65	11	2	0	0	90	81	64	53
200	4	0	0	0	96	91	85	79	11	1	0	0	93	87	75	66
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	42	17	3	0	73	54	34	22	33	12	1	0	81	66	45	31
50	17	3	0	0	90	81	68	56	10	0	0	0	94	89	80	72
120	5	0	0	0	95	90	83	76	1	0	0	0	97	94	89	84
150	0	0	0	0	97	95	91	86	0	0	0	0	98	97	95	94
200	0	0	0	0	98	97	95	94	0	0	0	0	99	98	98	97
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	22	4	0	0	87	76	59	47	36	9	0	0	82	67	46	30
50	4	0	0	0	95	91	83	75	18	5	0	0	91	83	69	59
120	0	0	0	0	98	96	93	90	5	0	0	0	95	90	82	76
150	0	0	0	0	99	98	97	96	3	0	0	0	97	95	90	86
200	0	0	0	0	100	100	99	98	0	0	0	0	98	96	93	90

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

	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
40	51	20	3	1	72	51	26	12	49	21	5	2	67	44	23	14
80	35	9	0	0	83	69	46	30	33	9	2	0	81	65	43	29
120	23	4	0	0	89	79	63	51	26	4	1	0	88	77	59	46
160	14	2	0	0	92	85	73	63	16	2	0	0	90	82	70	59
200	9	0	0	0	94	89	81	73	8	1	0	0	93	87	77	69
	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
40	25	4	0	0	92	86	76	69	0	0	0	0	96	97	95	93
80	9	0	0	0	98	96	92	90	1	0	0	0	99	99	98	97
120	0	0	0	0	99	98	96	96	0	0	0	0	99	99	98	98
160	0	0	0	0	99	99	99	99	0	0	0	0	99	99	99	99
200	0	0	0	0	100	100	100	100	0	0	0	0	99	99	99	99
	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
40	3	0	0	0	96	93	86	79	20	3	0	0	90	80	63	47
80	1	0	0	0	99	98	96	94	7	0	0	0	95	91	83	75
120	0	0	0	0	99	99	98	97	2	0	0	0	97	95	91	86
160	0	0	0	0	100	100	100	99	0	0	0	0	99	97	95	92
200	0	0	0	0	100	100	100	100	0	0	0	0	99	98	97	95

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

	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
40	58	31	10	3	54	28	7	1	63	41	20	10	49	20	3	0
80	45	15	3	1	70	49	27	14	49	24	5	2	66	44	18	10
120	36	9	1	1	79	62	37	21	38	15	5	2	73	52	26	16
160	25	5	0	0	83	69	47	33	32	8	1	0	83	68	44	30
200	20	4	0	0	86	75	56	43	27	5	1	0	86	74	54	41
	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
40	53	30	9	3	60	36	15	7	41	17	3	0	75	57	33	19
80	30	9	1	0	83	70	51	39	18	3	0	0	91	84	72	62
120	22	6	0	0	92	85	75	67	10	0	0	0	95	91	84	76
160	11	1	0	0	94	90	82	76	1	0	0	0	98	96	93	89
200	6	0	0	0	96	93	89	85	0	0	0	0	99	98	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	33	9	1	0	80	64	41	27	49	22	2	0	74	53	29	15
80	12	0	0	0	92	85	70	59	31	7	0	0	86	73	54	37
120	3	0	0	0	96	93	86	80	17	3	0	0	91	82	69	58
160	2	0	0	0	97	95	91	86	10	0	0	0	93	86	76	67
200	0	0	0	0	99	98	96	94	9	0	0	0	95	91	84	77

TABLE A-59. PROBABILITY(1), BY MONTH, OF COMB. INSOL-WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - HARRISBURG, PENNSYLVANIA

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
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	21	7	1	0	33	10	1	0	43	20	7	3	18	1	0	0
50/ 60	92	2	0	0	34	10	1	0	24	8	0	0	33	10	1	0
50/120	7	0	0	0	35	11	0	0	17	3	0	0	21	2	0	0
150/ 40	0	0	0	0	71	51	26	13	19	3	0	0	28	10	1	0
150/ 60	0	0	0	0	84	70	48	32	13	0	0	0	16	4	0	0
150/120	0	0	0	0	90	80	64	51	1	0	0	0	5	0	0	0
250/ 40	0	0	0	0	71	51	26	13	0	0	0	0	61	36	11	4
250/ 60	0	0	0	0	84	70	48	32	0	0	0	0	81	64	39	24
250/120	0	0	0	0	90	80	64	51	0	0	0	0	87	74	53	38
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
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	42	17	3	0	0	0	0	0	33	12	1	0	14	2	0	0
50/ 60	17	3	0	0	0	0	0	0	10	0	0	0	6	1	0	0
50/120	5	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
150/ 40	33	12	1	0	25	8	0	0	31	9	0	0	13	2	0	0
150/ 60	12	2	0	0	27	10	1	0	10	0	0	0	6	2	0	0
150/120	2	0	0	0	28	10	1	0	1	0	0	0	2	0	0	0
250/ 40	17	3	0	0	49	22	3	0	21	3	0	0	5	0	0	0
250/ 60	6	1	0	0	58	34	12	3	5	0	0	0	1	0	0	0
250/120	2	0	0	0	62	37	14	4	1	0	0	0	2	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	DAYS
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	41	4	0	0	1	0	0	0	35	8	0	0	25	2	0	0
50/ 60	3	0	0	0	1	0	0	0	18	5	0	0	16	1	0	0
50/120	0	0	0	0	1	0	0	0	5	0	0	0	11	1	0	0
150/ 40	15	3	0	0	42	18	2	0	11	1	0	0	0	0	0	0
150/ 60	3	0	0	0	47	21	4	0	7	2	0	0	0	0	0	0
150/120	0	0	0	0	48	21	4	0	4	0	0	0	0	0	0	0
250/ 40	1	0	0	0	87	76	59	47	0	0	0	0	0	0	0	0
250/ 60	0	0	0	0	95	91	83	75	0	0	0	0	0	0	0	0
250/120	0	0	0	0	98	96	93	90	0	0	0	0	0	0	0	0

TABLE A-60. PROBABILITY(1), BY MONTH, OF COMB. INSOL-WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - HARRISBURG, PENNSYLVANIA

THRESHOLD I / W	J.A.N.U.A.R.Y				F.E.B.R.U.A.R.Y				M.A.R.C.H				A.P.R.I.L			
	GE. THRESH		LT. THRESH		GE. THRESH		LT. 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
50/ 40	44	16	4	1	24	6	1	0	56	32	12	6	64	42	20	12
50/ 60	34	8	3	1	29	9	1	0	43	20	3	1	53	24	5	0
50/120	26	6	1	1	32	10	1	0	35	13	3	2	45	15	3	0
150/ 40	0	0	0	0	54	28	7	1	19	5	0	0	36	15	2	0
150/ 60	0	0	0	0	70	49	27	14	14	2	0	0	24	6	0	0
150/120	0	0	0	0	79	62	37	21	15	2	0	0	20	5	0	0
250/ 40	0	0	0	0	54	28	7	1	0	0	0	0	42	15	2	0
250/ 60	0	0	0	0	70	49	27	14	0	0	0	0	66	41	17	7
250/120	0	0	0	0	79	62	37	21	0	0	0	0	77	59	34	19
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
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	53	30	9	3	0	0	0	0	41	17	3	0	25	6	0	0
50/ 60	30	9	1	0	0	0	0	0	18	3	0	0	9	2	0	0
50/120	22	6	0	0	0	0	0	0	10	0	0	0	4	0	0	0
150/ 40	42	19	3	0	19	4	0	0	38	14	1	0	24	5	0	0
150/ 60	25	6	1	0	23	8	0	0	17	4	0	0	8	3	0	0
150/120	15	4	0	0	28	10	1	0	9	0	0	0	2	0	0	0
250/ 40	25	5	0	0	42	15	1	0	24	4	0	0	12	1	0	0
250/ 60	9	2	0	0	53	26	7	2	7	1	0	0	3	0	0	0
250/120	4	1	0	0	60	36	12	4	3	0	0	0	53	30	13	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
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	32	8	0	0	1	0	0	0	44	19	2	0	40	16	4	0
50/ 60	11	0	0	0	1	0	0	0	31	6	0	0	29	3	0	0
50/120	2	0	0	0	1	0	0	0	14	3	0	0	25	2	0	0
150/ 40	19	6	0	0	38	15	1	0	17	3	0	0	0	0	0	0
150/ 60	8	0	0	0	45	22	4	0	10	2	0	0	0	0	0	0
150/120	0	0	0	0	47	22	4	0	4	1	0	0	0	0	0	0
250/ 40	1	0	0	0	79	64	41	28	0	0	0	0	0	0	0	0
250/ 60	0	0	0	0	92	84	70	59	0	0	0	0	0	0	0	0
250/120	0	0	0	0	96	93	86	80	0	0	0	0	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 - LAKEHURST, NEW JERSEY

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	64	28	11	4	35	4	0	0	77	50	32	22	22	1	0	0
120	0	0	0	0	99	95	91	85	44	11	2	1	55	17	5	3
180	0	0	0	0	100	100	100	100	1	0	0	0	99	96	92	87
240	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
	M A Y				J U N E				J U L Y				A U G U S T			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	98	94	92	89	1	0	0	0	98	96	95	93	1	0	0	0
120	86	67	52	42	13	0	0	0	89	75	62	51	10	0	0	0
180	68	35	17	9	31	3	0	0	75	49	31	19	24	2	0	0
240	48	14	5	1	51	18	6	2	55	24	8	3	44	14	4	1
300	13	1	0	0	86	66	51	40	19	2	0	0	80	56	39	28
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	94	85	77	69	5	0	0	0	87	70	55	43	12	1	0	0
120	75	48	30	18	24	5	0	0	59	30	13	6	40	13	5	2
180	50	16	5	1	49	19	8	3	4	0	0	0	95	91	89	89
240	1	0	0	0	98	96	95	95	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

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
40	35	4	0	0	65	29	13	7	45	15	7	4	55	22	9	3
80	19	1	0	0	81	55	38	26	27	5	1	0	72	44	29	20
120	11	0	0	0	88	71	57	46	18	1	0	0	81	59	44	32
160	6	0	0	0	93	83	74	65	12	0	0	0	87	69	56	47
200	3	0	0	0	96	90	84	76	9	0	0	0	90	75	64	55
	M A Y				J U N E				J U L Y				A U G U S T			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
40	38	8	1	0	61	28	15	9	25	4	1	0	74	48	33	24
80	14	1	0	0	85	65	51	42	7	0	0	0	92	81	72	64
120	6	0	0	0	93	80	70	61	2	0	0	0	97	92	88	84
160	3	0	0	0	96	87	80	73	1	0	0	0	98	95	92	89
200	1	0	0	0	98	92	88	84	0	0	0	0	99	97	96	95
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
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	.GE. THRESH	.LT. THRESH
	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S	D A Y S
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
40	13	0	0	0	86	65	50	40	17	1	0	0	82	58	40	28
80	4	0	0	0	95	89	82	76	5	0	0	0	94	83	73	63
120	1	0	0	0	98	95	92	89	1	0	0	0	98	93	88	83
160	1	0	0	0	98	96	95	93	0	0	0	0	99	97	95	93
200	0	0	0	0	99	98	97	96	0	0	0	0	99	98	96	95

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

	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		.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
40	32	5	0	0	68	40	25	14	30	8	1	0	69	42	26	19
80	15	0	0	0	84	67	53	42	15	1	0	0	84	67	53	45
120	9	0	0	0	90	77	66	57	9	0	0	0	90	78	67	60
160	6	0	0	0	93	84	76	69	7	0	0	0	94	84	75	69
200	5	0	0	0	95	86	80	74	5	0	0	0	95	88	82	77
	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		.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
40	7	0	0	0	92	81	71	64	2	0	0	0	99	96	92	90
80	0	0	0	0	99	95	93	90	0	0	0	0	100	98	97	95
120	0	0	0	0	100	98	96	95	0	0	0	0	100	98	97	95
160	0	0	0	0	100	98	96	95	0	0	0	0	100	98	97	95
200	0	0	0	0	100	98	96	95	0	0	0	0	100	98	97	95
	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		.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
40	4	0	0	0	95	90	83	77	9	0	0	0	90	76	64	54
80	0	0	0	0	99	97	95	94	3	0	0	0	96	90	83	77
120	0	0	0	0	99	99	98	96	1	0	0	0	98	95	91	87
160	0	0	0	0	100	99	99	99	0	0	0	0	99	97	96	94
200	0	0	0	0	100	99	99	99	0	0	0	0	99	98	97	96

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

	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		.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
40	51	17	6	2	48	16	6	2	58	29	17	12	41	12	2	0
80	35	5	1	0	65	32	16	9	39	12	3	1	61	30	15	8
120	24	2	0	0	76	50	32	21	29	6	1	0	71	44	31	22
160	17	1	0	0	82	61	45	33	22	3	0	0	77	53	39	30
200	14	0	0	0	86	67	53	43	17	1	0	0	82	63	47	37
	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		.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
40	47	17	8	3	52	22	11	6	31	7	2	1	68	40	26	18
80	22	2	0	0	77	50	35	26	10	0	0	0	89	74	63	55
120	11	0	0	0	88	71	59	50	5	0	0	0	94	83	76	71
160	6	0	0	0	93	81	70	61	2	0	0	0	98	93	90	87
200	4	0	0	0	95	85	77	70	0	0	0	0	99	96	94	91
	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		.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
40	22	3	0	0	77	53	37	27	30	6	1	0	69	41	24	14
80	7	0	0	0	92	79	68	59	14	1	0	0	85	67	51	39
120	3	0	0	0	96	91	85	80	6	0	0	0	93	82	71	60
160	1	0	0	0	98	94	91	88	3	0	0	0	96	87	79	70
200	1	0	0	0	98	95	92	90	2	0	0	0	97	93	88	83

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

	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	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/ 40	29	2	0	0	24	1	0	0	39	11	5	3	10	0	0	0	44	14	4	1	5	0	0	0	46	15	3	1
50/ 80	15	0	0	0	26	1	0	0	24	3	0	0	13	0	0	0	26	3	0	0	7	0	0	0	23	3	0	0
50/120	9	0	0	0	27	2	0	0	16	1	0	0	14	0	0	0	16	0	0	0	9	0	0	0	15	1	0	0
150/ 40	0	0	0	0	65	29	13	7	8	0	0	0	47	16	6	2	29	4	1	0	28	4	0	0	34	6	1	0
150/ 80	0	0	0	0	81	55	38	26	4	0	0	0	61	29	14	7	17	1	0	0	35	6	0	0	18	2	0	0
150/120	0	0	0	0	88	71	57	46	3	0	0	0	68	38	22	13	10	0	0	0	40	9	1	0	12	0	0	0
250/ 40	0	0	0	0	65	29	13	7	0	0	0	0	55	22	9	3	0	0	0	0	51	20	8	4	13	0	0	0
250/ 80	0	0	0	0	81	55	38	26	0	0	0	0	72	44	29	20	0	0	0	0	70	38	21	13	5	0	0	0
250/120	0	0	0	0	88	71	57	46	0	0	0	0	81	59	44	32	0	0	0	0	81	57	40	29	3	0	0	0
	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	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/ 40	38	8	1	0	0	0	0	0	25	4	1	0	0	0	0	0	16	1	0	0	0	0	0	0	11	0	0	0
50/ 80	14	1	0	0	0	0	0	0	7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0
50/120	6	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
150/ 40	30	4	0	0	0	0	0	0	22	3	0	0	0	0	0	0	14	0	0	0	0	0	0	0	9	0	0	0
150/ 80	12	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0
150/120	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
250/ 40	18	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	2	0	0	0
250/ 80	7	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
250/120	2	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
	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	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/ 40	13	0	0	0	0	0	0	0	16	1	0	0	0	0	0	0	22	1	0	0	0	0	0	0	24	2	0	0
50/ 80	3	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	13	0	0	0
50/120	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	5	0	0	0
150/ 40	8	0	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
150/ 80	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
150/120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/ 40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/ 80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250/120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

	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					
I / W	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	1	3	5	7				
50/ 40	39	8	2	0	0	0	0	0	49	18	9	6	7	0	0	0	54	25	14	7	3	0	0	0				
50/ 80	26	3	0	0	0	0	0	0	32	8	2	1	10	0	0	0	36	9	2	1	5	0	0	0				
50/120	18	1	0	0	0	0	0	0	24	3	0	0	11	0	0	0	24	3	0	0	6	0	0	0				
150/ 40	0	0	0	0	0	0	0	0	9	0	0	0	35	9	1	0	33	7	2	0	19	1	0	0				
150/ 80	0	0	0	0	0	0	0	0	6	0	0	0	51	20	8	3	22	3	0	0	29	4	0	0				
150/120	0	0	0	0	0	0	0	0	4	0	0	0	59	29	16	9	15	0	0	0	34	5	0	0				
250/ 40	0	0	0	0	0	0	0	0	0	0	0	0	41	12	2	0	0	0	0	0	38	11	3	1				
250/ 80	0	0	0	0	0	0	0	0	0	0	0	0	61	30	15	8	0	0	0	0	58	27	13	8				
250/120	0	0	0	0	0	0	0	0	0	0	0	0	71	44	31	22	0	0	0	0	71	41	24	17				
	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					
I / W	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	1	3	5	7				
50/ 40	47	17	8	3	0	0	0	0	31	7	2	1	0	0	0	0	23	3	1	0	0	0	0	0				
50/ 80	22	2	0	0	0	0	0	0	10	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0				
50/120	11	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0				
150/ 40	37	9	3	1	0	0	0	0	26	5	0	0	13	0	0	0	19	2	0	0	12	0	0	0				
150/ 80	18	1	0	0	0	0	0	0	9	0	0	0	16	0	0	0	4	0	0	0	15	1	0	0				
150/120	9	0	0	0	0	0	0	0	4	0	0	0	17	0	0	0	1	0	0	0	16	1	0	0				
250/ 40	22	3	0	0	0	0	0	0	16	1	0	0	32	6	0	0	10	0	0	0	43	15	7	3				
250/ 80	10	0	0	0	0	0	0	0	5	0	0	0	42	12	3	0	2	0	0	0	52	22	12	7				
250/120	5	0	0	0	0	0	0	0	2	0	0	0	45	14	4	1	0	0	0	0	55	24	13	8				
	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					
I / W	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	1	3	5	7				
50/ 40	21	3	0	0	0	0	0	0	26	4	0	0	3	0	0	0	32	5	0	0	12	0	0	0				
50/ 80	7	0	0	0	0	0	0	0	11	0	0	0	5	0	0	0	18	0	0	0	16	1	0	0				
50/120	3	0	0	0	0	0	0	0	4	0	0	0	6	0	0	0	11	0	0	0	18	1	0	0				
150/ 40	12	0	0	0	0	0	0	0	7	0	0	0	45	17	8	4	0	0	0	0	58	27	13	5				
150/ 80	3	0	0	0	0	0	0	0	3	0	0	0	56	28	17	12	0	0	0	0	75	47	28	15				
150/120	1	0	0	0	0	0	0	0	0	0	0	0	62	35	24	17	0	0	0	0	84	63	48	36				
250/ 40	0	0	0	0	0	0	0	0	0	0	0	0	69	41	24	14	0	0	0	0	58	27	13	5				
250/ 80	0	0	0	0	0	0	0	0	0	0	0	0	85	67	51	39	0	0	0	0	75	47	28	15				
250/120	0	0	0	0	0	0	0	0	0	0	0	0	93	82	71	60	0	0	0	0	84	63	48	36				

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	66	43	16	6	39	11	1	0	79	63	40	28	23	4	0	0
120	0	0	0	0	98	96	92	85	48	23	4	2	56	29	9	4
160	0	0	0	0	100	100	100	100	2	0	0	0	98	96	92	88
240	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
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	98	96	93	91	3	0	0	0	98	97	96	93	1	0	0	0
120	87	77	59	47	18	2	0	0	91	83	69	56	16	1	0	0
160	70	49	24	12	32	10	1	0	79	64	40	24	30	8	0	0
240	54	27	8	2	56	32	10	3	66	42	14	4	55	31	8	2
300	19	5	1	0	87	76	59	45	31	3	1	0	82	68	46	33
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	95	90	81	72	16	5	0	0	69	79	62	49	19	3	0	0
120	79	62	38	23	40	16	2	0	69	48	21	10	54	31	12	6
160	57	31	8	2	60	36	16	7	14	3	0	0	97	95	93	93
240	5	1	0	0	98	98	97	97	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

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	36	10	0	0	66	43	18	9	51	27	11	6	59	35	13	5
80	21	5	0	0	81	66	44	36	35	13	2	0	74	57	36	25
120	15	2	0	0	89	79	63	50	27	6	0	0	83	70	51	37
160	9	0	0	0	94	88	78	59	16	1	0	0	88	78	62	51
200	5	0	0	0	96	93	86	80	10	1	0	0	90	82	68	58
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	42	18	3	1	64	43	22	13	31	12	2	1	78	62	41	29
80	21	5	0	0	86	74	57	47	13	1	0	0	93	87	77	68
120	8	0	0	0	93	86	74	65	4	0	0	0	97	94	90	85
160	4	0	0	0	95	91	83	75	1	0	0	0	98	96	93	90
200	3	0	0	0	97	94	89	85	1	0	0	0	99	98	97	96
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	16	4	0	0	87	75	57	45	25	5	0	0	83	70	48	33
80	5	0	0	0	96	92	85	78	14	0	0	0	94	88	77	66
120	1	0	0	0	98	96	93	90	2	0	0	0	97	95	89	84
160	1	0	0	0	98	98	96	94	2	0	0	0	99	98	96	94
200	0	0	0	0	99	98	97	96	0	0	0	0	99	98	97	95

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	44	15	1	0	74	55	32	16	48	19	2	0	74	57	37	24
80	30	4	0	0	87	78	61	48	27	5	0	0	88	78	61	50
120	13	2	0	0	91	84	72	61	21	1	0	0	92	85	73	65
160	9	1	0	0	94	88	80	72	13	1	0	0	94	89	80	73
200	7	1	0	0	95	90	83	76	10	0	0	0	96	92	85	80
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	10	2	0	0	92	86	75	68	3	0	0	0	92	96	93	90
80	0	0	0	0	98	96	93	91	0	0	0	0	99	98	97	95
120	0	0	0	0	99	98	96	95	0	0	0	0	99	98	97	95
160	0	0	0	0	99	98	96	95	0	0	0	0	99	98	97	95
200	0	0	0	0	99	98	96	95	0	0	0	0	99	98	97	95
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	12	2	0	0	96	93	87	80	24	1	0	0	91	84	70	58
80	3	0	0	0	99	98	96	94	6	0	0	0	96	93	86	78
120	0	0	0	0	99	99	98	98	2	0	0	0	98	96	92	88
160	0	0	0	0	99	99	99	99	0	0	0	0	99	98	96	94
200	0	0	0	0	99	99	99	99	0	0	0	0	99	98	97	96

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

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	56	29	9	4	54	28	10	4	64	43	23	16	50	25	4	0
80	40	14	2	0	68	46	22	11	50	24	6	2	64	45	22	11
120	32	8	0	0	79	62	39	25	42	16	2	0	75	58	39	27
160	24	4	0	0	84	71	51	36	37	11	1	0	80	66	47	36
200	19	2	0	0	87	76	59	47	29	5	0	0	84	72	54	43
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	54	31	13	5	61	37	17	10	38	17	3	1	72	54	34	23
80	29	9	0	0	79	63	42	32	14	2	0	0	90	82	68	59
120	17	2	0	0	88	79	65	55	7	0	0	0	95	90	83	76
160	7	0	0	0	92	86	74	64	3	0	0	0	97	95	91	87
200	6	0	0	0	94	89	81	73	1	0	0	0	99	98	96	95
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
40	27	12	2	0	80	66	45	31	45	17	3	0	75	56	33	19
80	11	1	0	0	92	85	73	63	26	5	0	0	87	76	58	44
120	7	0	0	0	97	94	88	83	7	0	0	0	93	87	75	63
160	4	0	0	0	98	96	93	90	5	0	0	0	95	90	81	72
200	1	0	0	0	98	96	94	91	3	0	0	0	97	95	89	84

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

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
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	33	8	0	0	25	3	0	0	44	22	8	5	55	29	9	2
50/ 80	18	3	0	0	27	5	0	0	30	9	1	0	35	10	1	0
50/120	13	1	0	0	29	7	0	0	22	3	0	0	24	3	0	0
150/ 40	0	0	0	0	66	43	18	9	21	4	0	0	35	12	2	0
150/ 80	0	0	0	0	81	66	44	30	12	1	0	0	42	15	1	0
150/120	0	0	0	0	89	79	63	50	4	0	0	0	47	20	3	0
250/ 40	0	0	0	0	66	43	18	9	0	0	0	0	59	35	12	6
250/ 80	0	0	0	0	81	66	44	30	0	0	0	0	72	52	26	16
250/120	0	0	0	0	89	79	63	50	0	0	0	0	83	70	51	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	DAYS
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	42	18	3	1	0	0	0	0	31	12	2	1	25	7	0	0
50/ 80	21	5	0	0	0	0	0	0	13	1	0	0	6	0	0	0
50/120	8	0	0	0	0	0	0	0	4	0	0	0	2	0	0	0
150/ 40	33	10	1	0	17	2	0	0	29	10	1	0	22	5	0	0
150/ 80	17	3	0	0	21	4	0	0	13	1	0	0	5	0	0	0
150/120	6	0	0	0	23	5	1	0	4	0	0	0	2	0	0	0
250/ 40	22	3	0	0	42	18	3	0	20	4	0	0	17	3	0	0
250/ 80	7	1	0	0	54	28	9	2	8	0	0	0	62	40	21	12
250/120	2	0	0	0	59	33	11	4	3	0	0	0	63	42	21	12
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
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	15	4	0	0	7	0	0	0	24	4	0	0	34	4	0	0
50/ 80	3	0	0	0	9	0	0	0	14	0	0	0	16	1	0	0
50/120	1	0	0	0	9	0	0	0	2	0	0	0	4	0	0	0
150/ 40	6	0	0	0	40	20	5	0	7	1	0	0	0	0	0	0
150/ 80	1	0	0	0	48	27	8	1	2	0	0	0	88	78	61	47
150/120	1	0	0	0	49	26	7	1	0	0	0	0	94	88	78	70
250/ 40	0	0	0	0	86	75	57	45	0	0	0	0	77	58	35	20
250/ 80	0	0	0	0	96	92	85	76	0	0	0	0	88	78	61	47
250/120	0	0	0	0	98	96	93	90	0	0	0	0	94	88	78	70

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

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
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	45	17	4	1	18	1	0	0	52	31	14	9	63	42	21	10
50/ 80	34	9	1	0	22	3	0	0	42	19	4	2	47	22	5	2
50/120	24	4	0	0	23	4	0	0	31	9	0	0	34	9	0	0
150/ 40	0	0	0	0	54	28	10	4	23	4	0	0	39	17	6	1
150/ 80	0	0	0	0	69	46	22	11	19	1	0	0	27	9	1	0
150/120	0	0	0	0	79	62	39	25	13	1	0	0	16	3	0	0
250/ 40	0	0	0	0	54	28	10	4	0	0	0	0	0	0	0	0
250/ 80	0	0	0	0	68	46	22	11	0	0	0	0	64	42	18	11
250/120	0	0	0	0	79	62	39	25	0	0	0	0	74	55	30	20
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
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	54	31	13	5	0	0	0	0	38	17	3	1	31	10	2	0
50/ 80	29	9	0	0	0	0	0	0	14	2	0	0	7	1	0	0
50/120	17	2	0	0	0	0	0	0	7	0	0	0	3	0	0	0
150/ 40	43	19	5	1	14	0	0	0	34	14	2	0	28	8	0	0
150/ 80	21	5	0	0	19	3	0	0	14	2	0	0	5	0	0	0
150/120	14	0	0	0	21	4	0	0	7	0	0	0	3	0	0	0
250/ 40	30	10	2	0	36	13	1	0	25	5	0	0	18	4	0	0
250/ 80	9	0	0	0	50	26	7	2	9	0	0	0	2	0	0	0
250/120	8	0	0	0	55	29	9	2	5	0	0	0	2	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
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 40	26	12	2	0	6	0	0	0	39	15	2	0	45	15	1	0
50/ 80	9	1	0	0	9	0	0	0	23	4	0	0	29	3	0	0
50/120	4	0	0	0	9	0	0	0	7	0	0	0	20	1	0	0
150/ 40	11	1	0	0	36	16	4	0	15	2	0	0	20	1	0	0
150/ 80	4	0	0	0	43	21	4	0	4	0	0	0	0	0	0	0
150/120	1	0	0	0	47	25	8	1	3	0	0	0	0	0	0	0
250/ 40	0	0	0	0	80	66	45	31	0	0	0	0	0	0	0	0
250/ 80	0	0	0	0	92	85	73	62	0	0	0	0	0	0	0	0
250/120	0	0	0	0	96	94	88	82	0	0	0	0	0	0	0	0

TABLE A- 73. PROBABILITY(X), BY MONTH, OF INSOLATION BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NEW YORK, NEW YORK

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	59	20	7	2	40	6	0	0	70	37	19	11	29	2	0	0
120	1	0	0	0	98	95	91	85	36	7	2	0	63	27	11	5
180	0	0	0	0	100	100	100	100	0	0	0	0	99	97	94	89
240	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
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	90	74	62	52	9	0	0	0	94	86	80	74	5	0	0	0
120	79	52	35	24	20	1	0	0	81	59	42	30	18	2	1	0
180	68	36	20	11	31	5	1	0	70	40	22	12	29	5	1	0
240	49	15	6	3	50	16	4	1	54	22	9	3	45	14	5	1
300	18	2	0	0	81	57	40	28	22	3	0	0	77	52	34	23
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
60	87	70	58	47	12	1	0	0	82	58	40	28	17	2	0	0
120	72	42	24	12	27	4	0	0	55	22	8	3	45	15	6	3
180	47	17	6	1	52	22	9	4	5	0	0	0	94	88	83	81
240	6	0	0	0	93	86	83	81	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

TABLE A- 74. PROBABILITY(X), BY MONTH, OF WIND(DAY) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - NEW YORK, NEW YORK

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	39	9	3	1	60	27	11	5	46	15	5	2	53	19	9	5
140	23	3	0	0	76	50	32	20	28	5	1	0	71	41	25	15
200	13	0	0	0	86	67	50	37	17	0	0	0	82	58	42	31
260	9	0	0	0	90	77	64	54	11	0	0	0	88	70	56	45
320	5	0	0	0	94	86	78	70	8	0	0	0	91	78	65	55
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	45	15	4	0	54	25	13	6	37	8	2	0	62	28	13	6
140	19	3	0	0	80	56	43	34	13	0	0	0	86	68	55	46
200	10	0	0	0	89	72	61	52	5	0	0	0	94	85	77	71
260	5	0	0	0	94	85	77	71	2	0	0	0	97	93	89	85
320	2	0	0	0	97	91	87	83	1	0	0	0	99	97	96	94
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	1	3	5	7	1	3	5	7	1	3	5	7	1	3	5	7
80	24	3	0	0	75	49	31	19	24	4	0	0	75	50	32	20
140	8	0	0	0	91	77	67	58	9	0	0	0	90	73	58	46
200	4	0	0	0	95	86	79	73	3	0	0	0	96	89	82	75
260	1	0	0	0	98	94	91	88	2	0	0	0	97	92	88	83
320	1	0	0	0	98	96	94	93	0	0	0	0	99	96	94	92

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

	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	56	22	9	4	43	14	4	1	57	26	12	7	42	14	4	3
140	37	10	4	1	62	34	18	9	39	12	4	2	60	31	18	11
200	26	5	1	0	73	51	35	22	28	6	1	0	71	44	29	19
260	17	2	0	0	82	63	49	38	19	2	0	0	80	59	46	35
320	12	1	0	0	87	71	60	51	12	1	0	0	87	70	58	49
	53	23	10	4	46	19	7	3	40	14	4	0	59	32	19	12
	22	4	1	0	77	56	41	31	23	3	0	0	76	52	37	27
	12	1	0	0	87	74	64	57	16	1	0	0	83	64	50	40
	3	0	0	0	96	80	67	59	10	0	0	0	96	82	70	58
	25	5	0	0	74	52	38	30	11	1	0	0	88	74	63	56
140	8	0	0	0	91	78	70	64	1	0	0	0	98	93	90	87
200	3	0	0	0	96	91	86	82	0	0	0	0	99	98	97	96
260	1	0	0	0	98	96	93	91	0	0	0	0	99	99	99	99
320	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
	11	0	0	0	88	71	58	46	2	0	0	0	97	91	85	79
	2	0	0	0	99	99	98	97	0	0	0	0	99	99	98	97
	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
	0	0	0	0	99	99	98	98	0	0	0	0	99	99	98	98
	0	0	0	0	99	99	99	99	0	0	0	0	99	99	99	99
	18	2	0	0	81	61	46	33	35	11	4	1	64	37	19	10
140	5	0	0	0	94	85	77	68	16	2	0	0	83	62	44	31
200	2	0	0	0	97	93	88	82	8	0	0	0	91	78	67	57
260	0	0	0	0	99	97	95	93	4	0	0	0	95	89	82	76
320	0	0	0	0	99	98	97	95	2	0	0	0	97	93	88	84
	54	25	14	9	55	24	7	3	44	14	3	0	64	34	17	9
	35	7	0	0	64	34	17	9	28	6	1	0	71	45	29	19
	24	4	0	0	81	59	44	33	24	4	0	0	75	52	38	29
	16	2	0	0	83	64	51	43	12	1	0	0	87	70	56	46
	11	0	0	0	88	73	63	56	8	0	0	0	91	78	66	57
	55	24	7	3	44	14	3	0	64	34	17	9	28	6	1	0
	35	7	0	0	64	34	17	9	28	6	1	0	71	45	29	19
	24	4	0	0	81	59	44	33	24	4	0	0	75	52	38	29
	16	2	0	0	83	64	51	43	12	1	0	0	87	70	56	46
	11	0	0	0	88	73	63	56	8	0	0	0	91	78	66	57
	65	38	24	16	35	11	4	2	57	26	13	6	42	13	5	1
140	41	13	2	0	78	30	18	12	28	4	1	0	71	43	26	18
200	26	6	1	0	83	49	36	28	14	1	0	0	85	66	52	41
260	16	2	0	0	83	64	52	44	7	0	0	0	92	81	72	64
320	10	1	0	0	89	75	66	59	4	0	0	0	95	88	82	76
	46	17	7	4	53	24	11	5	46	17	7	4	53	24	11	5
	20	1	0	0	79	54	36	24	10	0	0	0	89	75	63	53
	8	0	0	0	91	77	65	55	4	0	0	0	95	88	82	75
	2	0	0	0	97	91	86	81	1	0	0	0	98	95	93	90
	49	19	8	2	50	22	10	5	54	26	14	8	45	18	8	4
140	25	5	1	0	74	49	33	22	34	10	4	2	65	38	22	13
200	15	1	0	0	84	65	50	36	23	4	1	0	77	52	34	21
260	8	0	0	0	91	79	68	58	15	1	0	0	84	64	47	34
320	5	0	0	0	94	87	79	72	9	0	0	0	90	74	59	46
	62	33	18	8	38	11	4	1	68	37	17	7	31	6	0	0
	46	15	5	2	53	22	10	4	50	17	3	1	49	16	4	1
	34	7	1	0	65	36	20	11	38	7	1	0	62	29	12	6
	26	4	0	0	74	48	31	21	29	4	0	0	70	39	21	12
	21	3	0	0	78	55	38	29	22	3	0	0	77	52	37	26

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

	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	70	37	20	11	29	3	0	0	76	50	35	26	24	4	0	0
140	53	19	8	3	46	15	5	2	58	29	14	8	41	11	4	2
200	42	12	5	2	57	27	12	5	46	17	6	3	53	21	10	5
260	33	7	2	1	66	39	21	12	36	10	3	1	63	32	19	12
320	27	3	0	0	72	45	28	16	30	6	1	0	69	40	25	16
	76	49	31	21	23	2	0	0	77	54	39	29	22	4	1	0
	41	11	2	0	56	26	12	6	43	16	7	4	53	24	11	5
	40	12	3	0	59	30	16	9	40	12	3	0	59	30	16	9
	29	6	1	0	70	44	29	20	29	6	1	0	70	44	29	20
	22	3	0	0	77	55	38	28	22	3	0	0	77	55	38	28
	65	38	24	16	35	11	4	2	57	26	13	6	42	13	5	1
140	41	13	2	0	78	30	18	12	28	4	1	0	71	43	26	18
200	26	6	1	0	83	49	36	28	14	1	0	0	85	66	52	41
260	16	2	0	0	83	64	52	44	7	0	0	0	92	81	72	64
320	10	1	0	0	89	75	66	59	4	0	0	0	95	88	82	76
	46	17	7	4	53	24	11	5	46	17	7	4	53	24	11	5
	20	1	0	0	79	54	36	24	10	0	0	0	89	75	63	53
	8	0	0	0	91	77	65	55	4	0	0	0	95	88	82	75
	2	0	0	0	97	91	86	81	1	0	0	0	98	95	93	90
	49	19	8	2	50	22	10	5	54	26	14	8	45	18	8	4
140	25	5	1	0	74	49	33	22	34	10	4	2	65	38	22	13
200	15	1	0	0	84	65	50	36	23	4	1	0	77	52	34	21
260	8	0	0	0	91	79	68	58	15	1	0	0	84	64	47	34
320	5	0	0	0	94	87	79	72	9	0	0	0	90	74	59	46
	62	33	18	8	38	11	4	1	68	37	17	7	31	6	0	0
	46	15	5	2	53	22	10	4	50	17	3	1	49	16	4	1
	34	7	1	0	65	36	20	11	38	7	1	0	62	29	12	6
	26	4	0	0	74	48	31	21	29	4	0	0	70	39	21	12
	21	3	0	0	78	55	38	29	22	3	0	0	77	52	37	26

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

	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			
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				
50/100	23	2	0	0	26	1	0	0	30	6	2	2	16	0	0	0	34	7	2	0	11	0	0	0	38	9	2	0				
50/200	10	0	0	0	31	2	0	0	13	0	0	0	20	0	0	0	15	0	0	0	15	0	0	0	16	1	0	0				
50/300	3	0	0	0	32	2	0	0	6	0	0	0	21	0	0	0	7	0	0	0	17	0	0	0	8	0	0	0				
150/100	0	0	0	0	68	36	18	9	7	0	0	0	54	22	9	4	23	2	0	0	31	4	0	0	30	5	0	0				
150/200	0	0	0	0	86	67	50	37	2	0	0	0	71	40	24	15	9	0	0	0	40	11	3	0	12	1	0	0				
150/300	0	0	0	0	93	84	74	65	1	0	0	0	78	52	36	25	5	0	0	0	45	13	3	0	5	0	0	0				
250/100	0	0	0	0	68	36	18	9	0	0	0	0	61	27	14	8	0	0	0	0	56	21	6	2	13	0	0	0				
250/200	0	0	0	0	86	67	50	37	0	0	0	0	82	58	42	31	0	0	0	0	79	54	36	26	5	0	0	0				
250/300	0	0	0	0	93	84	74	65	0	0	0	0	91	76	64	53	0	0	0	0	89	72	57	47	1	0	0	0				
	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			
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				
50/100	31	5	0	0	5	0	0	0	23	2	0	0	2	0	0	0	22	2	0	0	1	0	0	0	12	0	0	0				
50/200	9	0	0	0	6	0	0	0	5	0	0	0	3	0	0	0	3	0	0	0	1	0	0	0	2	0	0	0				
50/300	3	0	0	0	6	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0				
150/100	27	4	0	0	17	0	0	0	19	2	0	0	17	1	0	0	19	2	0	0	15	2	0	0	9	0	0	0				
150/200	7	0	0	0	21	1	0	0	4	0	0	0	21	2	0	0	3	0	0	0	18	2	0	0	1	0	0	0				
150/300	2	0	0	0	23	2	0	0	1	0	0	0	22	3	1	0	0	0	0	0	19	2	0	0	0	0	0	0				
250/100	18	1	0	0	38	9	2	0	14	1	0	0	38	8	2	0	10	0	0	0	42	12	4	2	2	0	0	0				
250/200	5	0	0	0	48	14	4	1	3	0	0	0	46	14	4	1	1	0	0	0	53	22	11	7	0	0	0	0				
250/300	1	0	0	0	51	16	5	1	0	0	0	0	48	16	6	2	0	0	0	0	55	23	11	7	0	0	0	0				
	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			
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				
50/100	14	0	0	0	7	0	0	0	14	1	0	0	10	0	0	0	19	1	0	0	22	2	0	0	16	0	0	0				
50/200	3	0	0	0	9	0	0	0	2	0	0	0	12	1	0	0	7	0	0	0	27	3	0	0	5	0	0	0				
50/300	0	0	0	0	9	0	0	0	0	0	0	0	13	1	0	0	1	0	0	0	29	4	0	0	2	0	0	0				
150/100	9	0	0	0	28	4	1	0	3	0	0	0	58	24	10	4	0	0	0	0	71	41	24	14	0	0	0	0				
150/200	2	0	0	0	34	6	1	0	0	0	0	0	70	45	33	27	0	0	0	0	87	71	59	49	0	0	0	0				
150/300	0	0	0	0	36	7	2	0	0	0	0	0	72	49	38	32	0	0	0	0	95	88	82	76	0	0	0	0				
250/100	0	0	0	0	79	56	41	30	0	0	0	0	81	57	40	27	0	0	0	0	71	41	24	14	0	0	0	0				
250/200	0	0	0	0	92	80	72	66	0	0	0	0	96	89	82	75	0	0	0	0	88	71	59	49	0	0	0	0				
250/300	0	0	0	0	95	89	86	83	0	0	0	0	98	96	93	90	0	0	0	0	96	89	83	77	0	0	0	0				

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

	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			
	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	44	10	2	0	15	0	0	0	53	21	9	5	9	0	0	0	56	22	10	5	6	0	0	0	61	29	13	6
50/200	29	5	1	0	21	1	0	0	35	10	3	2	13	0	0	0	34	9	3	0	10	0	0	0	33	7	1	0
50/300	21	2	0	0	27	2	0	0	26	3	0	0	17	0	0	0	23	2	0	0	12	0	0	0	20	2	0	0
150/100	0	0	0	0	36	8	1	1	11	1	0	0	28	6	2	0	37	8	2	1	18	1	0	0	48	14	4	1
150/200	0	0	0	0	57	27	12	5	8	0	0	0	47	16	5	2	23	3	0	0	29	5	0	0	25	3	0	0
150/300	0	0	0	0	70	43	25	15	5	0	0	0	59	27	13	7	15	0	0	0	34	8	2	0	15	1	0	0
250/100	0	0	0	0	36	8	1	1	0	0	0	0	30	7	2	0	0	0	0	0	29	5	0	0	21	1	0	0
250/200	0	0	0	0	57	27	12	5	0	0	0	0	53	21	10	5	0	0	0	0	55	25	9	4	10	0	0	0
250/300	0	0	0	0	70	43	25	15	0	0	0	0	67	37	23	15	0	0	0	0	68	38	20	12	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	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
50/100	52	22	9	3	2	0	0	0	45	14	7	4	1	0	0	0	38	11	3	0	0	0	0	0	33	7	2	0
50/200	24	4	0	0	5	0	0	0	13	1	0	0	2	0	0	0	9	0	0	0	1	0	0	0	8	0	0	0
50/300	10	0	0	0	6	0	0	0	4	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0
150/100	44	13	4	0	11	0	0	0	38	10	4	2	13	1	0	0	32	7	2	0	12	1	0	0	24	3	0	0
150/200	20	3	0	0	19	1	0	0	11	0	0	0	19	2	0	0	7	0	0	0	16	2	0	0	5	0	0	0
150/300	8	0	0	0	21	2	0	0	3	0	0	0	21	2	0	0	1	0	0	0	19	2	0	0	1	0	0	0
250/100	30	4	0	0	27	5	0	0	27	4	0	0	29	3	0	0	18	1	0	0	34	8	2	0	7	0	0	0
250/200	13	0	0	0	41	11	3	0	7	0	0	0	42	10	2	0	4	0	0	0	49	19	8	3	1	0	0	0
250/300	6	0	0	0	49	15	5	1	2	0	0	0	46	13	4	0	1	0	0	0	54	23	11	7	0	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	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
50/100	33	7	1	0	5	0	0	0	38	11	4	1	4	0	0	0	36	7	1	0	13	0	0	0	36	7	1	0
50/200	12	0	0	0	7	0	0	0	17	2	0	0	8	0	0	0	22	2	0	0	19	1	0	0	23	2	0	0
50/300	4	0	0	0	8	0	0	0	8	0	0	0	11	0	0	0	15	1	0	0	23	2	0	0	15	0	0	0
150/100	22	2	0	0	21	3	0	0	11	1	0	0	36	9	3	1	0	0	0	0	44	15	6	3	0	0	0	0
150/200	7	0	0	0	30	5	1	0	4	0	0	0	54	24	10	4	0	0	0	0	65	36	20	11	0	0	0	0
150/300	2	0	0	0	34	6	1	0	2	0	0	0	64	34	18	11	0	0	0	0	76	51	35	25	0	0	0	0
250/100	0	0	0	0	59	28	15	9	0	0	0	0	51	23	10	4	0	0	0	0	45	15	6	3	0	0	0	0
250/200	0	0	0	0	82	61	46	33	0	0	0	0	77	52	34	21	0	0	0	0	65	36	20	11	0	0	0	0
250/300	0	0	0	0	91	79	71	63	0	0	0	0	88	71	54	41	0	0	0	0	76	51	35	26	0	0	0	0

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

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
60	58	33	11	4	39	13	1	0	73	52	25	14	30	8	0	0
120	2	0	0	0	98	96	92	86	43	19	4	2	65	41	16	7
180	0	0	0	0	100	100	100	100	0	0	0	0	99	97	94	90
240	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
	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
60	91	81	67	56	6	1	0	0	95	91	84	77	8	2	0	0
120	80	65	42	28	24	3	0	0	84	71	50	35	21	5	1	1
180	71	50	26	14	37	14	2	0	74	57	30	17	37	15	2	1
240	53	28	10	5	54	30	7	1	61	38	15	4	54	28	9	2
300	26	8	1	0	83	69	49	33	26	9	1	0	80	64	41	27
	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
60	89	79	65	52	24	6	0	0	84	70	48	33	25	9	0	0
120	76	57	32	16	38	12	1	0	61	39	13	4	56	34	13	8
180	57	33	11	3	65	41	17	9	10	2	0	0	96	94	91	90
240	12	1	0	0	95	92	88	86	0	0	0	0	99	99	99	99
300	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 - NEW YORK, NEW YORK

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
60	43	19	5	1	64	41	16	7	51	28	9	4	56	30	12	6
140	31	9	0	0	79	63	39	23	33	12	2	0	73	53	31	18
200	15	3	0	0	87	76	56	41	21	3	0	0	82	67	44	32
260	13	3	0	0	91	84	70	58	13	1	0	0	88	78	62	48
320	7	1	0	0	95	90	82	73	8	0	0	0	91	84	70	57
	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
60	51	28	7	0	62	40	19	8	43	19	4	0	66	46	20	9
140	23	9	0	0	82	67	50	39	21	4	0	0	87	78	63	52
200	12	3	0	0	89	80	66	56	10	1	0	0	94	90	82	74
260	6	1	0	0	94	89	81	74	3	0	0	0	97	95	91	87
320	0	0	0	0	97	94	89	85	1	0	0	0	99	98	96	95
	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
60	31	9	0	0	78	63	39	24	37	14	2	0	79	64	41	26
140	10	0	0	0	92	84	72	62	12	3	0	0	90	81	64	50
200	3	0	0	0	95	90	82	76	4	0	0	0	96	92	85	78
260	0	0	0	0	97	96	93	90	0	0	0	0	97	94	89	84
320	0	0	0	0	98	97	95	94	0	0	0	0	98	97	95	92

TABLE A- 81. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NEW YORK, NEW YORK

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	62	37	13	6	51	29	8	3	65	40	16	9	51	27	10	4
140	52	23	7	3	72	52	26	12	51	24	8	3	68	45	25	14
200	43	16	4	1	82	68	45	28	42	16	3	0	77	59	37	23
260	27	6	1	0	86	75	57	44	34	8	0	0	84	70	53	40
320	18	5	0	0	90	81	67	57	22	4	0	0	88	78	64	53
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	39	16	1	0	79	65	47	35	21	6	0	0	97	94	87	81
140	7	1	0	0	91	84	75	69	0	0	0	0	99	99	98	98
200	7	0	0	0	97	94	89	84	0	0	0	0	100	100	100	100
260	2	0	0	0	98	97	94	92	0	0	0	0	100	100	100	100
320	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	30	9	1	0	85	73	54	38	52	27	10	3	62	41	22	13
140	12	1	0	0	95	90	81	71	28	8	1	0	78	61	38	24
200	7	0	0	0	97	95	90	84	16	4	0	0	84	72	51	38
260	3	0	0	0	99	98	96	93	12	1	0	0	88	79	62	50
320	0	0	0	0	99	99	97	95	4	0	0	0	92	84	70	60

TABLE A- 82. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - NEW YORK, NEW YORK

	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	71	51	28	14	30	9	1	0	78	62	43	31	31	11	1	0
140	57	32	13	5	48	27	8	3	66	43	20	11	47	21	6	3
200	52	26	10	4	64	44	18	7	55	30	10	5	60	35	15	7
260	47	18	6	2	74	56	30	16	47	21	6	2	69	46	25	15
320	37	10	1	0	77	60	36	21	43	17	2	0	74	54	32	20
	M A Y				J U N E				J U L Y				A U G U S T			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	70	52	31	21	46	24	7	3	66	43	20	10	52	28	11	4
140	50	26	4	0	66	46	26	16	38	13	2	0	75	58	34	23
200	37	16	2	0	78	62	44	33	23	6	0	0	87	76	59	46
260	24	9	0	0	85	74	58	49	11	1	0	0	93	87	77	68
320	14	6	0	0	91	82	72	63	4	0	0	0	96	92	85	79
	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
THRESHOLD	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
80	62	35	14	4	62	40	16	8	67	45	22	12	61	37	16	7
140	38	14	2	0	80	64	42	26	50	26	9	4	75	56	32	18
200	23	3	0	0	87	76	58	41	37	14	3	0	81	66	43	26
260	11	2	0	0	92	85	73	62	26	7	0	0	86	75	54	39
320	9	0	0	0	95	91	83	75	15	3	0	0	91	82	65	50

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

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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	23	7	1	0	27	5	0	0	34	14	4	3	15	0	0	0
50/200	10	2	0	0	31	7	0	0	16	3	0	0	19	1	0	0
50/300	7	2	0	0	32	7	0	0	7	0	0	0	19	3	0	0
150/100	0	0	0	0	70	50	24	11	8	0	0	0	60	35	13	6
150/200	0	0	0	0	87	76	56	41	6	0	0	0	72	54	31	18
150/300	0	0	0	0	94	89	78	68	0	0	0	0	80	65	45	30
250/100	0	0	0	0	70	50	24	11	0	0	0	0	64	40	18	9
250/200	0	0	0	0	87	76	56	41	0	0	0	0	82	68	49	35
250/300	0	0	0	0	94	89	78	68	0	0	0	0	91	83	69	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	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	36	14	1	0	4	0	0	0	27	8	0	0	2	0	0	0
50/200	12	2	0	0	5	1	0	0	9	1	0	0	4	0	0	0
50/300	2	0	0	0	5	1	0	0	1	0	0	0	1	0	0	0
150/100	32	10	0	0	20	1	0	0	25	8	0	0	19	7	2	0
150/200	8	0	0	0	27	5	0	0	9	1	0	0	23	9	2	0
150/300	2	0	0	0	29	7	0	0	1	0	0	0	25	9	2	0
250/100	17	4	0	0	45	20	4	0	19	5	0	0	49	26	9	4
250/200	3	0	0	0	52	27	8	2	7	1	0	0	60	38	18	11
250/300	2	0	0	0	54	30	9	2	0	0	0	0	62	40	18	11
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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	16	1	0	0	16	2	0	0	25	7	0	0	12	2	0	0
50/200	1	0	0	0	17	2	0	0	4	0	0	0	17	5	0	0
50/300	0	0	0	0	20	4	0	0	0	0	0	0	32	12	2	0
150/100	8	0	0	0	39	13	3	1	4	1	0	0	75	56	32	18
150/200	0	0	0	0	42	16	4	0	3	0	0	0	89	80	66	54
150/300	0	0	0	0	44	16	4	1	0	0	0	0	96	92	85	79
250/100	0	0	0	0	82	68	49	35	0	0	0	0	75	57	32	18
250/200	0	0	0	0	92	86	77	70	0	0	0	0	89	80	66	54
250/300	0	0	0	0	96	93	89	86	0	0	0	0	96	92	86	79

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

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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	46	20	4	0	11	1	0	0	61	35	12	8	8	0	0	0
50/200	37	13	2	0	20	4	0	0	46	20	6	4	14	0	0	0
50/300	30	7	0	0	26	6	0	0	34	10	1	0	19	1	0	0
150/100	0	0	0	0	39	18	4	2	28	5	0	0	35	14	4	1
150/200	0	0	0	0	64	44	18	7	16	0	0	0	55	29	8	3
150/300	0	0	0	0	76	58	33	20	9	0	0	0	65	43	20	10
250/100	0	0	0	0	39	18	4	2	0	0	0	0	36	16	5	1
250/200	0	0	0	0	64	44	18	7	0	0	0	0	60	35	15	7
250/300	0	0	0	0	76	58	33	20	0	0	0	0	72	51	30	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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	58	35	14	5	4	0	0	0	53	29	13	7	1	0	0	0
50/200	32	14	1	0	3	0	0	0	21	5	0	0	2	0	0	0
50/300	17	5	0	0	5	1	0	0	4	0	0	0	2	0	0	0
150/100	51	26	7	1	12	1	0	0	48	24	8	4	18	5	1	0
150/200	27	10	0	0	21	4	0	0	20	4	0	0	24	7	1	0
150/300	11	3	0	0	27	6	0	0	3	0	0	0	30	8	1	0
250/100	34	10	1	0	33	14	1	0	36	14	2	0	34	11	1	0
250/200	12	3	0	0	48	22	6	0	15	3	0	0	47	23	5	0
250/300	5	2	0	0	53	28	8	2	1	0	0	0	52	27	8	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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/100	39	17	2	1	10	3	0	0	53	27	8	3	3	0	0	0
50/200	17	1	0	0	15	2	0	0	31	8	0	0	10	0	0	0
50/300	4	0	0	0	17	2	0	0	12	3	0	0	13	2	0	0
150/100	24	6	1	0	33	12	2	0	17	5	0	0	51	24	7	3
150/200	10	0	0	0	40	14	3	0	6	1	0	0	64	42	17	6
150/300	1	0	0	0	42	16	4	0	3	0	0	0	72	52	28	17
250/100	0	0	0	0	66	44	21	13	0	0	0	0	64	41	18	8
250/200	0	0	0	0	85	73	54	39	0	0	0	0	81	66	43	26
250/300	0	0	0	0	92	86	76	68	0	0	0	0	89	79	60	45

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

	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
60	36	6	0	0	63	28	12	4	52	16	7	3	47	11	1	0
120	0	0	0	0	100	100	100	99	16	1	0	0	83	61	45	34
180	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	99
240	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

	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
60	97	92	88	84	2	0	0	0	99	99	99	98	0	0	0	0
120	79	52	36	25	21	1	0	0	89	75	64	54	10	0	0	0
180	60	29	14	7	39	9	2	0	73	43	27	18	26	2	0	0
240	43	14	5	1	56	25	11	4	54	23	10	4	45	12	3	1
300	16	1	0	0	63	61	44	30	24	4	0	0	75	48	30	19

	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
60	93	82	72	62	6	0	0	0	78	53	35	24	21	3	0	0
120	67	35	17	9	32	6	1	0	38	14	5	2	61	37	28	23
180	39	11	3	1	60	32	19	12	1	0	0	0	99	99	99	99
240	0	0	0	0	99	99	99	99	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

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

	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
60	32	5	1	0	67	34	18	10	37	10	4	1	62	29	15	7
100	19	1	0	0	80	56	41	31	22	2	0	0	78	50	33	22
140	12	0	0	0	87	67	52	43	15	1	0	0	85	64	48	36
180	9	0	0	0	90	74	60	50	11	1	0	0	88	72	59	47
220	6	0	0	0	93	82	73	65	8	0	0	0	91	77	67	58

	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
60	39	8	1	0	60	27	13	7	28	4	0	0	71	41	24	15
100	22	1	0	0	77	50	35	26	12	1	0	0	87	69	57	47
140	11	0	0	0	88	72	61	54	6	0	0	0	93	82	72	64
180	6	0	0	0	93	83	75	69	3	0	0	0	96	88	81	75
220	4	0	0	0	95	88	84	80	2	0	0	0	97	93	89	86

	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
60	24	3	0	0	75	46	30	22	28	5	0	0	71	43	27	19
100	10	0	0	0	89	73	59	50	14	1	0	0	85	64	51	40
140	5	0	0	0	95	85	78	71	7	0	0	0	92	80	70	62
180	1	0	0	0	98	94	90	87	4	0	0	0	95	87	80	75
220	0	0	0	0	99	96	93	91	2	0	0	0	97	91	87	83

TABLE A- 87. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SYRACUSE, NEW YORK

	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
60	44	16	6	2	55	27	14	7	44	16	5	1	55	25	14	8
100	28	6	1	0	71	45	29	21	28	6	1	0	77	53	40	32
140	12	2	0	0	81	59	43	33	19	3	1	0	85	67	54	44
180	13	1	0	0	87	69	55	45	13	2	0	0	90	78	67	59
220	10	0	0	0	89	75	63	55	9	0	0	0	93	83	74	67
	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
60	6	0	0	0	93	83	76	69	2	0	0	0	98	95	92	88
100	1	0	0	0	98	94	91	88	0	0	0	0	99	99	97	96
140	0	0	0	0	99	97	96	95	0	0	0	0	100	100	99	99
180	0	0	0	0	99	99	98	96	0	0	0	0	100	100	100	100
220	0	0	0	0	99	99	99	99	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
60	9	0	0	0	90	75	63	53	16	1	0	0	63	34	19	12
100	3	0	0	0	97	90	84	76	7	0	0	0	79	56	39	29
140	1	0	0	0	99	95	92	90	3	0	0	0	86	68	54	44
180	0	0	0	0	99	97	95	93	1	0	0	0	91	79	71	63
220	0	0	0	0	100	98	97	96	1	0	0	0	95	86	78	71

TABLE A- 88. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) BEING ABOVE, AND BELOW, SELECTED THRESHOLDS FOR UP TO 7 SUCCESSIVE DAYS - SYRACUSE, NEW YORK

	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
60	61	29	14	7	39	12	4	1	63	33	12	10	36	9	2	0
100	45	15	4	2	54	24	12	6	49	20	8	4	50	21	10	5
140	34	8	1	0	65	36	21	14	36	10	3	0	63	33	19	10
180	26	4	0	0	74	47	31	22	27	6	2	0	72	45	29	20
220	20	2	0	0	79	54	38	27	21	3	1	0	78	53	38	28
	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
60	50	17	5	2	49	17	6	2	34	7	1	0	65	32	16	8
100	32	5	0	0	67	36	20	13	16	2	0	0	83	64	53	46
140	18	1	0	0	81	58	43	34	9	0	0	0	90	76	64	54
180	11	0	0	0	88	74	64	57	5	0	0	0	94	85	77	70
220	6	0	0	0	93	82	74	68	3	0	0	0	96	90	83	78
	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
60	37	8	2	0	63	31	15	8	44	17	6	1	55	26	12	6
100	22	3	1	0	77	51	35	25	27	5	0	0	72	44	29	18
140	12	0	0	0	88	69	54	43	18	2	0	0	81	60	45	35
180	6	0	0	0	93	81	72	63	12	1	0	0	87	69	55	45
220	3	0	0	0	96	89	83	76	8	0	0	0	91	79	69	61

BEING ABOVE, AND BELOW, SELECTED THRESHOLDS

		SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
THRESHOLD	I / L	.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
50/ 60		23	2 0 0	0	3 0 0 0	23	3 0 0	0	9 0 0 0	9	0 0 0	0	38	8 1 0	0	6 0 0 0	53 17 6 2
50/120		6	0 0 0	0	4 0 0 0	9	0 0 0	0	14 1 0 0	4	0 0 0	0	49	15 4 0	0	1 0 0 0	64 29 12 5
50/180		1	0 0 0	0	4 0 0 0	4	0 0 0	0	14 1 0 0	1	0 0 0	0	52	19 6 1	0	0 0 0 0	69 35 16 7
150/ 60		11	0 0 0	0	30 6 1 0	1	0 0 0	0	56 25 13 7	0	0 0 0	0	73	42 24 14	0	0 0 0 0	73 44 27 17
150/120		3	0 0 0	0	40 11 3 1	0	0 0 0	0	73 49 37 30	0	0 0 0	0	88	71 60 50	0	0 0 0 0	90 74 62 51
150/180		0	0 0 0	0	42 12 3 1	0	0 0 0	0	78 59 49 44	0	0 0 0	0	94	86 79 72	0	0 0 0 0	95 86 77 68
250/ 60		0	0 0 0	0	75 46 30 22	0	0 0 0	0	71 43 27 19	0	0 0 0	0	73	42 24 14	0	0 0 0 0	73 44 27 17
250/120		0	0 0 0	0	93 81 70 61	0	0 0 0	0	89 73 61 52	0	0 0 0	0	88	71 60 50	0	0 0 0 0	90 74 62 51
250/180		0	0 0 0	0	98 94 90 87	0	0 0 0	0	95 87 80 75	0	0 0 0	0	94	86 79 72	0	0 0 0 0	95 86 77 68

PROBABILITY(%), BY MONTH, OF COMB. INSOL-WIND(TO
FOR UP TO 7 SUCCESSIVE DAYS - SYRACUSE, NEW YORK

J.A.N.U.A.R.Y.										F.E.B.R.U.A.R.Y.										M.A.R.C.H.										A.P.R.I.L.										
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				
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	25	3	0	0		17	2	0	0		36	7	0	0		8	0	0	0		50	16	5	1		3	0	0	0		60	25	10	3		1	0	0	0	
50/120	15	0	0	0		28	5	0	0		23	3	0	0		16	1	0	0		32	6	1	0		6	0	0	0		36	7	1	0		1	0	0	0	
50/180	10	0	0	0		37	9	2	0		15	1	0	0		23	2	0	0		22	2	0	0		9	0	0	0		21	2	0	0		2	0	0	0	
150/ 60	0	0	0	0		39	12	4	1		0	0	0	0		34	8	1	0		15	1	0	0		22	2	0	0		31	6	1	0		11	0	0	0	
150/120	0	0	0	0		60	30	16	10		0	0	0	0		56	24	11	5		8	0	0	0		36	7	1	0		19	1	0	0		23	2	0	0	
150/180	0	0	0	0		74	47	31	22		0	0	0	0		70	41	24	15		5	0	0	0		46	14	3	1		9	0	0	0		30	5	0	0	
250/ 60	0	0	0	0		39	12	4	1		0	0	0	0		36	9	2	0		0	0	0	0		38	12	4	1		12	1	0	0		24	3	0	0	
250/120	0	0	0	0		60	30	16	10		0	0	0	0		58	27	13	7		0	0	0	0		58	28	16	10		7	0	0	0		43	13	4	1	
250/180	0	0	0	0		74	47	31	22		0	0	0	0		72	45	29	20		0	0	0	0		72	46	31	23		3	0	0	0		56	22	7	2	
M A Y										J U N E										J U L Y										A U G U S T										
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				
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	17	5	2		0	0	0	0		34	7	1	0		0	0	0	0		32	7	1	0		0	0	0	0		31	5	0	0		0	0	0	0	
50/120	24	2	0	0		0	0	0	0		13	1	0	0		0	0	0	0		12	0	0	0		0	0	0	0		10	0	0	0		0	0	0	0	
50/180	11	0	0	0		0	0	0	0		5	0	0	0		0	0	0	0		4	0	0	0		0	0	0	0		4	0	0	0		0	0	0	0	
150/ 60	33	4	0	0		14	1	0	0		27	3	0	0		13	0	0	0		27	5	1	0		9	0	0	0		22	1	0	0		15	1	0	0	
150/120	16	1	0	0		23	3	0	0		10	0	0	0		17	1	0	0		10	0	0	0		12	0	0	0		7	0	0	0		21	2	0	0	
150/180	7	0	0	0		27	4	1	0		4	0	0	0		18	1	0	0		3	0	0	0		14	0	0	0		2	0	0	0		22	2	0	0	
250/ 60	17	1	0	0		26	4	0	0		15	0	0	0		29	4	0	0		13	0	0	0		32	5	1	0		4	0	0	0		50	18	9	4	
250/120	8	0	0	0		44	12	3	1		5	0	0	0		41	10	2	0		4	0	0	0		43	11	3	1		0	0	0	0		66	37	23	16	
250/180	3	0	0	0		52	20	8	3		2	0	0	0		45	12	3	1		1	0	0	0		47	13	3	1		0	0	0	0		72	46	32	25	
S E P T E M B E R										O C T O B E R										N O V E M B E R										D E C E M B E R										
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				
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	34	7	1	0		1	0	0	0		35	9	2	0		5	0	0	0		18	1	0	0		20	3	0	0		12	0	0	0		28	3	0	0	
50/120	15	0	0	0		3	0	0	0		18	2	0	0		10	1	0	0		11	0	0	0		34	8	1	0		8	0	0	0		44	12	3	1	
50/180	6	0	0	0		3	0	0	0		10	1	0	0		13	1	0	0		6	0	0	0		41	11	3	0		4	0	0	0		54	18	6	2	
50/ 60	16	1	0	0		23	4	1	0		3	0	0	0		41	13	4	1		0	0	0	0		45	16	6	2		0	0	0	0		42	12	3	0	
50/120	7	0	0	0		34	8	2	0		1	0	0	0		61	33	20	13		0	0	0	0		67	38	22	14		0	0	0	0		63	32	16	8	
50/180	2	0	0	0		39	10	2	1		0	0	0	0		70	46	33	25		0	0	0	0		79	54	39	29		0	0	0	0		76	49	32	20	
250/ 60	0	0	0	0		63	31	15	6		0	0	0	0		55	26	12	6		0	0	0	0		45	16	6	2		0	0	0	0		42	12	3	0	
250/120	0	0	0	0		83	61	45	33		0	0	0	0		76	52	37	26		0	0	0	0		67	38	22	14		0	0	0	0		63	32	16	8	
250/180	0	0	0	0		93	81	72	63		0	0	0	0		87	69	55	45		0	0	0	0		79	54	39	29		0	0	0	0		76	49	32	20	

TABLE A- 91. PROBABILITY(%), BY MONTH, OF INSOLATION PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SYRACUSE, NEW YORK

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
60	44	16	1	0	65	42	18	6	57	34	13	6	80	65	44	30
120	0	0	0	0	100	100	100	99	27	7	1	0	59	34	11	3
180	0	0	0	0	100	100	100	100	0	0	0	0	81	67	47	32
240	0	0	0	0	100	100	100	100	0	0	0	0	99	99	97	95
300	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100
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
60	97	94	90	86	2	0	0	0	99	99	99	98	0	0	0	0
120	79	64	44	30	19	3	0	0	91	83	71	60	11	0	0	0
180	65	45	22	10	45	21	4	0	76	58	36	24	21	4	0	0
240	53	29	9	2	63	42	18	7	63	42	17	8	48	21	4	0
300	25	7	1	0	85	72	51	34	37	15	1	0	90	82	71	66
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
60	94	86	76	66	11	1	0	0	81	67	43	29	42	20	5	1
120	70	50	24	12	37	17	3	0	53	30	10	5	0	0	0	0
180	49	25	7	2	70	52	30	14	4	0	0	0	100	100	100	100
240	0	0	0	0	99	99	99	99	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

TABLE A- 92. PROBABILITY(%), BY MONTH, OF WIND(DAY) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SYRACUSE, NEW YORK

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
60	33	13	2	1	69	48	22	12	43	20	8	3	63	39	15	6
120	20	4	0	0	81	67	47	34	23	6	0	0	74	57	34	23
180	7	2	0	0	86	74	56	45	16	4	0	0	82	69	47	34
240	5	1	0	0	89	80	64	53	14	5	0	0	88	78	61	49
300	5	0	0	0	93	87	76	67	7	2	0	0	92	85	73	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	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	43	17	2	0	63	42	19	11	37	16	3	0	77	60	42	30
120	27	5	0	0	78	63	43	32	23	7	0	0	88	80	67	58
180	12	1	0	0	89	80	67	54	11	1	0	0	95	90	83	77
240	4	0	0	0	94	88	79	72	2	0	0	0	97	94	89	84
300	1	0	0	0	95	92	86	82	2	0	0	0	98	96	93	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
60	28	9	1	0	75	58	37	26	38	15	1	0	74	55	31	17
120	14	1	0	0	89	80	64	54	16	5	0	0	85	74	58	45
180	8	0	0	0	95	90	81	73	8	0	0	0	91	84	72	62
240	2	0	0	0	98	96	91	87	5	0	0	0	94	90	82	75
300	0	0	0	0	99	97	94	91	3	0	0	0	96	92	87	82

TABLE A- 93. PROBABILITY(X), BY MONTH, OF WIND(NIGHT) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SYRACUSE, NEW YORK

THRESHOLD	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	57	32	11	4	65	43	21	11	56	30	10	2	64	40	20	11
100	38	17	2	0	76	59	36	25	41	16	3	0	77	59	39	28
140	31	7	0	0	83	70	49	37	26	9	2	0	83	70	50	39
180	23	6	0	0	89	78	62	49	19	6	1	0	88	78	61	49
220	17	4	0	0	91	82	69	59	17	4	0	0	91	84	71	61
THRESHOLD	M A Y				J U N E				J U L Y				A U G U S T			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	10	0	0	0	94	89	80	72	3	0	0	0	98	97	93	89
100	2	0	0	0	98	96	92	89	0	0	0	0	99	99	98	96
140	2	0	0	0	99	98	97	96	0	0	0	0	100	100	99	99
180	0	0	0	0	99	99	98	98	0	0	0	0	100	100	100	100
220	0	0	0	0	99	99	99	99	0	0	0	0	100	100	100	100
THRESHOLD	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	12	2	1	0	91	82	67	56	28	7	0	0	69	51	27	15
100	4	1	0	0	96	93	86	80	11	1	0	0	83	68	47	34
140	0	0	0	0	98	96	93	90	4	0	0	0	88	77	61	49
180	0	0	0	0	99	98	95	93	2	0	0	0	92	86	76	67
220	0	0	0	0	99	98	97	96	0	0	0	0	95	90	81	74

TABLE A- 94. PROBABILITY(X), BY MONTH, OF WIND(TOTAL) PERSISTING ABOVE, AND BELOW, THRESHOLDS FOR UP TO ONE WEEK - SYRACUSE, NEW YORK

THRESHOLD	J A N U A R Y				F E B R U A R Y				M A R C H				A P R I L			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	65	42	19	10	43	22	7	2	67	47	25	14	46	22	5	1
100	54	28	7	3	60	39	17	9	58	35	14	6	59	34	15	8
140	43	20	3	0	70	51	28	17	48	22	6	1	69	47	26	13
180	34	12	1	0	77	60	37	25	37	14	4	0	75	58	36	24
220	24	5	0	0	80	65	43	30	28	9	3	0	80	65	45	32
THRESHOLD	M A Y				J U N E				J U L Y				A U G U S T			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	54	30	8	2	55	31	11	5	43	20	3	1	68	47	22	11
100	35	12	1	0	71	50	28	16	27	10	0	0	85	73	56	44
140	21	3	0	0	63	69	51	40	17	5	0	0	91	84	73	64
180	13	1	0	0	90	82	71	62	11	3	0	0	95	91	83	76
220	5	0	0	0	93	87	78	72	5	1	0	0	96	93	86	80
THRESHOLD	S E P T E M B E R				O C T O B E R				N O V E M B E R				D E C E M B E R			
	.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH		.GE. THRESH		.LT. THRESH	
	D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S		D A Y S	
	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
60	46	19	4	1	66	46	22	11	57	35	12	3	64	45	20	10
100	32	10	2	0	78	63	42	29	39	15	1	0	76	59	37	23
140	16	2	1	0	88	77	60	47	26	8	0	0	83	71	52	40
180	14	1	0	0	93	87	76	67	17	6	0	0	88	78	61	49
220	5	0	0	0	96	92	85	79	15	5	0	0	92	86	74	65

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

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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	14	1	0	0	40	14	1	0	23	10	0	0	5	0	0	0
50/120	7	1	0	0	47	22	4	1	13	1	0	0	9	2	0	0
50/180	4	0	0	0	50	25	5	1	8	1	0	0	11	2	0	0
150/ 60	0	0	0	0	69	48	22	12	4	0	0	0	43	18	2	0
150/120	0	0	0	0	84	71	52	40	0	0	0	0	55	30	7	2
150/180	0	0	0	0	89	80	64	53	0	0	0	0	62	39	14	4
250/ 60	0	0	0	0	69	48	22	12	0	0	0	0	63	39	15	6
250/120	0	0	0	0	84	71	52	40	0	0	0	0	77	61	38	26
250/180	0	0	0	0	89	80	64	53	0	0	0	0	88	78	61	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	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	43	17	2	0	0	0	0	0	32	12	1	0	0	0	0	0
50/120	20	4	0	0	0	0	0	0	11	1	0	0	0	0	0	0
50/180	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
150/ 60	27	6	1	0	22	7	1	0	28	9	0	0	16	1	0	0
150/120	12	2	0	0	31	11	1	0	9	1	0	0	15	2	0	0
150/180	1	0	0	0	32	12	2	0	2	0	0	0	15	2	0	0
250/ 60	17	4	1	0	41	17	3	0	10	0	0	0	43	18	4	0
250/120	10	1	0	0	56	31	9	3	2	0	0	0	50	24	6	2
250/180	0	0	0	0	63	40	16	6	2	0	0	0	53	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	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	27	6	1	0	1	0	0	0	33	12	0	0	17	3	0	0
50/120	8	0	0	0	7	0	0	0	14	4	0	0	4	1	0	0
50/180	1	0	0	0	7	0	0	0	6	0	0	0	2	0	0	0
150/ 60	18	3	0	0	34	15	4	1	6	0	0	0	59	35	11	2
150/120	4	0	0	0	50	24	6	3	2	0	0	0	89	80	66	55
150/180	0	0	0	0	51	25	6	3	2	0	0	0	94	90	82	75
250/ 60	0	0	0	0	75	58	37	26	0	0	0	0	74	55	31	17
250/120	0	0	0	0	93	86	75	65	0	0	0	0	89	80	66	55
250/180	0	0	0	0	98	96	91	87	0	0	0	0	94	90	82	75

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

THRESHOLD	J.A.N.U.A.R.Y.				F.E.B.R.U.A.R.Y.				M.A.R.C.H.				A.P.R.I.L.			
	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	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	27	9	1	0	23	7	0	0	39	18	1	0	52	28	8	3
50/120	21	4	0	0	39	14	2	0	29	12	1	0	36	15	3	0
50/180	12	2	0	0	45	19	4	1	20	4	0	0	24	7	0	0
150/ 60	0	0	0	0	43	22	7	2	4	0	0	0	18	5	0	0
150/120	0	0	0	0	66	45	22	13	0	0	0	0	43	18	2	0
150/180	0	0	0	0	77	60	37	25	0	0	0	0	53	27	6	1
250/ 60	0	0	0	0	43	22	7	2	0	0	0	0	45	23	6	2
250/120	0	0	0	0	66	45	22	13	0	0	0	0	64	42	22	13
250/180	0	0	0	0	77	60	37	25	0	0	0	0	75	59	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	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	54	30	8	2	0	0	0	0	43	20	3	1	0	0	0	0
50/120	29	8	1	0	0	0	0	0	19	3	0	0	0	0	0	0
50/180	13	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0
150/ 60	35	11	1	0	16	4	0	0	30	11	0	0	14	1	0	0
150/120	18	4	1	0	28	9	1	0	19	3	0	0	15	2	0	0
150/180	6	0	0	0	32	11	2	0	7	1	0	0	14	2	0	0
250/ 60	20	4	1	0	36	13	1	0	15	0	0	0	41	16	4	0
250/120	10	2	1	0	50	24	6	2	4	0	0	0	48	23	6	2
250/180	3	0	0	0	60	36	14	5	2	0	0	0	52	25	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	
I / W	2	3	5	7	2	3	5	7	2	3	5	7	2	3	5	7
50/ 60	44	18	3	1	0	0	0	0	45	22	4	0	11	1	0	0
50/120	22	3	1	0	1	0	0	0	31	13	0	0	10	1	0	0
50/180	13	0	0	0	5	0	0	0	16	5	0	0	7	1	0	0
150/ 60	26	4	0	0	29	12	2	0	5	0	0	0	55	32	10	4
150/120	10	2	0	0	42	19	4	1	6	0	0	0	73	54	30	17
150/180	3	0	0	0	48	22	5	2	2	0	0	0	61	67	47	34
250/ 60	0	0	0	0	66	46	22	11	0	0	0	0	55	32	10	4
250/120	0	0	0	0	84	71	51	36	0	0	0	0	73	54	30	17
250/180	0	0	0	0	93	87	76	67	0	0	0	0	81	67	47	34

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.

THIS PAGE
WAS INTENTIONALLY
LEFT BLANK

Table B-1. RATIOS TO RELATE GLOBAL HORIZONTAL INSOLATION TO INSOLATION ON A SOUTH-FACING INCLINED SURFACE, BY MONTH ($G_T = G_H \cdot \text{RATIO}$)

BOSTON, MASSACHUSETTS

(LAT=42.35DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANGLE	:	:	:	:	:	:	:	:	:	:	:	:
10	1.32	1.20	1.12	1.05	1.02	1.00	1.02	1.05	1.12	1.20	1.32	1.38
30	1.80	1.50	1.27	1.09	.97	.94	.97	1.09	1.27	1.50	1.80	1.96
50	2.07	1.63	1.29	1.01	.86	.81	.86	1.01	1.29	1.63	2.07	2.30
70	2.13	1.60	1.18	.82	.65	.59	.65	.82	1.18	1.60	2.13	2.42
90	1.98	1.40	.94	.53	.37	.30	.37	.53	.94	1.40	1.98	2.30

BURLINGTON, VERMONT

(LAT=44.47DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANGLE	:	:	:	:	:	:	:	:	:	:	:	:
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

CARIBOU, MAINE

(LAT=46.87DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANGLE	:	:	:	:	:	:	:	:	:	:	:	:
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	1.01	.98	1.01	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	.34	.42	.59	1.08	1.56	2.36	2.66

CONCORD, NEW HAMPSHIRE

(LAT=43.20DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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	1.82	1.52	1.28	1.10	.98	.95	.98	1.10	1.28	1.52	1.82	1.98
50	2.11	1.65	1.31	1.03	.87	.82	.87	1.03	1.31	1.65	2.11	2.35
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	2.37

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)

HARRISBURG, PENNSYLVANIA

(LAT=40.22DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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	1.73	1.46	1.23	1.06	.95	.92	.95	1.06	1.23	1.46	1.73	1.89
50	1.97	1.58	1.24	.97	.83	.78	.83	.97	1.24	1.58	1.97	2.19
70	2.00	1.53	1.13	.78	.62	.56	.62	.78	1.13	1.53	2.00	2.28
90	1.84	1.32	.88	.49	.34	.28	.34	.49	.88	1.32	1.84	2.15

LAKEHURST, NEW JERSEY

(LAT=40.03DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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	1.72	1.46	1.23	1.06	.95	.92	.95	1.06	1.23	1.46	1.72	1.88
50	1.96	1.57	1.24	.97	.83	.78	.83	.97	1.24	1.57	1.96	2.18
70	1.99	1.52	1.12	.78	.62	.56	.62	.78	1.12	1.52	1.99	2.27
90	1.83	1.31	.97	.49	.34	.28	.34	.49	.87	1.31	1.83	2.13

NEW YORK, NEW YORK

(LAT=40.78DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANGLE												
10	1.30	1.19	1.11	1.04	1.01	.99	1.01	1.04	1.11	1.19	1.30	1.36
30	1.74	1.47	1.24	1.07	.96	.93	.96	1.07	1.24	1.47	1.74	1.90
50	2.00	1.59	1.26	.98	.84	.79	.84	.98	1.26	1.59	2.00	2.22
70	2.04	1.55	1.14	.79	.63	.57	.63	.79	1.14	1.55	2.04	2.32
90	1.88	1.34	.89	.50	.35	.29	.35	.50	.89	1.34	1.88	2.19

SYRACUSE, NEW YORK

(LAT=43.12DEG)

	R A T I O											
TILT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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	1.82	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

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.

TABLE OF CONTENTS

	<u>Page</u>
BOSTON, MA	C-3
BURLINGTON, VT	C-5
CARIBOU, ME.	C-7
CONCORD, NH.	C-9
HARRISBURG, PA	C-11
LAKEHURST, NJ.	C-13
NEW YORK, NY	C-15
SYRACUSE, NY	C-17

TABLE C- 1. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- BOSTON, MASSACHUSETTS

JAN		TOT OBS=496	FEB		TOT OBS=452	MAR		TOT OBS=492
>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:		
M 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:	1: 2: 0: 1: 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:	65: 41: 23: 12: 6: 2: 2: 0:		
O 180-	0: 1: 0: 0: 0: 0: 0: 0:		68: 43: 19: 10: 8: 1: 1: 0:		65: 42: 12: 7: 4: 6: 0: 0:	65: 42: 12: 7: 4: 6: 0: 0:		
L 120-	167: 63: 32: 5: 11: 1: 0: 0:		100: 43: 12: 4: 5: 1: 0: 0:		56: 14: 2: 5: 0: 0: 0: 1:	56: 14: 2: 5: 0: 0: 0: 1:		
60-	147: 37: 18: 7: 4: 3: 0: 0:		91: 25: 7: 7: 3: 2: 2: 0:		60: 30: 12: 6: 8: 3: 1: 3:	60: 30: 12: 6: 8: 3: 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:		
	0 100 200 300 400 500 600 700 >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=480	MAY		TOT OBS=495	JUN		TOT OBS=478
>360-	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:		2: 0: 0: 0: 0: 0: 0: 0:	2: 0: 0: 0: 0: 0: 0: 0:		
I 360-	0: 0: 0: 0: 0: 1: 0: 0:		55: 40: 7: 3: 2: 1: 0: 0:		106: 39: 7: 2: 1: 1: 0: 0:	106: 39: 7: 2: 1: 1: 0: 0:		
M 300-	64: 59: 9: 5: 1: 2: 2: 0:		66: 52: 14: 3: 6: 1: 0: 1:		89: 27: 5: 2: 2: 0: 0: 0:	89: 27: 5: 2: 2: 0: 0: 0:		
S 240-	48: 32: 14: 9: 4: 0: 0: 0:		51: 29: 5: 4: 2: 0: 0: 0:		53: 13: 4: 2: 0: 0: 0: 0:	53: 13: 4: 2: 0: 0: 0: 0:		
O 180-	43: 20: 5: 2: 4: 2: 2: 1:		40: 10: 2: 0: 0: 0: 0: 0:		31: 11: 0: 0: 0: 0: 0: 0:	31: 11: 0: 0: 0: 0: 0: 0:		
L 120-	38: 17: 9: 2: 0: 0: 1: 0:		35: 11: 4: 2: 1: 0: 0: 0:		43: 8: 2: 0: 0: 0: 0: 0:	43: 8: 2: 0: 0: 0: 0: 0:		
60-	44: 15: 11: 4: 7: 1: 2: 0:		28: 9: 4: 3: 0: 1: 2: 1:		18: 8: 1: 0: 1: 0: 0: 0:	18: 8: 1: 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:		
	0 100 200 300 400 500 600 700 >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=527	AUG		TOT OBS=527	SEP		TOT OBS=509
>360-	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:		
I 360-	70: 19: 3: 0: 0: 0: 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:		
M 300-	139: 44: 7: 1: 0: 0: 0: 0:		137: 25: 3: 0: 0: 0: 0: 0:		33: 5: 0: 2: 0: 0: 0: 0:	33: 5: 0: 2: 0: 0: 0: 0:		
S 240-	90: 23: 1: 1: 0: 0: 0: 0:		136: 32: 6: 0: 0: 0: 0: 0:		177: 41: 7: 0: 1: 0: 0: 0:	177: 41: 7: 0: 1: 0: 0: 0:		
O 180-	53: 7: 1: 0: 0: 0: 0: 0:		77: 8: 2: 1: 1: 0: 0: 0:		80: 26: 4: 3: 0: 0: 0: 0:	80: 26: 4: 3: 0: 0: 0: 0:		
L 120-	42: 6: 1: 0: 0: 0: 0: 0:		52: 5: 0: 0: 0: 0: 0: 0:		60: 10: 1: 0: 2: 0: 0: 0:	60: 10: 1: 0: 2: 0: 0: 0:		
60-	12: 5: 1: 0: 0: 0: 0: 0:		33: 4: 0: 0: 1: 1: 0: 1:		42: 10: 0: 1: 2: 0: 0: 2:	42: 10: 0: 1: 2: 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:		
	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=526	NOV		TOT OBS=480	DEC		TOT OBS=496
>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:		
M 300-	0: 0: 0: 0: 0: 0: 0: 0:		9: 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-	26: 11: 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:		
O 180-	204: 30: 9: 3: 0: 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:		
L 120-	93: 19: 7: 4: 0: 0: 0: 0:		182: 51: 26: 8: 1: 0: 0: 0:		152: 47: 18: 7: 2: 2: 0: 0:	152: 47: 18: 7: 2: 2: 0: 0:		
60-	78: 22: 7: 7: 4: 0: 0: 0:		156: 32: 10: 5: 1: 5: 0: 0:		206: 37: 17: 3: 4: 1: 0: 0:	206: 37: 17: 3: 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:		
	0 100 200 300 400 500 600 700 >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
- BOSTON, MASSACHUSETTS

JAN										FEB										MAR										TOT OBS=492									
TOT OBS=496										TOT OBS=452										TOT OBS=492										TOT OBS=492									
>360-	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:									
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:									
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:									
S 240-	:	0:	0:	0:	0:	0:	0:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	:	0:	1:	1:	1:	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:	:	24:	40:	29:	20:	18:	6:	3:	11:	11:	11:										
L 120-	:	0:	0:	0:	0:	0:	0:	0:	1:	0:	:	26:	28:	34:	17:	15:	8:	6:	16:	:	30:	38:	29:	12:	8:	5:	2:	12:	12:										
60-	:	49:	64:	61:	37:	13:	17:	15:	23:	:	51:	27:	33:	20:	11:	11:	3:	9:	:	25:	22:	15:	4:	6:	3:	2:	1:	1:	1:										
0-	:	60:	54:	28:	23:	18:	9:	2:	22:	:	43:	37:	16:	10:	8:	5:	4:	14:	:	31:	30:	16:	10:	13:	4:	6:	13:	13:	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									
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
APR										MAY										JUN										TOT OBS=478									
TOT OBS=480										TOT OBS=495										TOT OBS=478										TOT OBS=478									
>360-	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:									
I 360-	:	0:	0:	0:	0:	0:	0:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	:	0:	2:	0:	0:	0:	0:	0:	0:	0:	0:	0:									
N 300-	:	0:	0:	0:	0:	0:	0:	0:	1:	0:	:	25:	47:	24:	2:	6:	2:	1:	1:	:	60:	63:	22:	6:	2:	2:	1:	0:	0:	0:									
S 240-	:	26:	45:	40:	15:	6:	2:	4:	4:	:	32:	54:	27:	16:	7:	2:	4:	1:	:	53:	47:	17:	4:	2:	1:	1:	0:	0:	0:										
O 180-	:	17:	42:	17:	9:	9:	8:	2:	3:	:	25:	40:	11:	10:	1:	3:	1:	0:	:	41:	17:	7:	5:	2:	0:	0:	0:	0:	0:										
L 120-	:	25:	25:	9:	4:	4:	3:	2:	7:	:	24:	19:	4:	3:	2:	0:	0:	0:	:	26:	9:	6:	1:	0:	0:	0:	0:	0:	0:										
60-	:	23:	16:	11:	9:	3:	1:	2:	2:	:	26:	12:	8:	2:	2:	0:	2:	1:	:	32:	14:	6:	1:	0:	0:	0:	0:	0:	0:										
0-	:	20:	25:	10:	8:	2:	6:	4:	9:	:	18:	14:	5:	4:	3:	0:	1:	3:	:	11:	10:	5:	1:	0:	0:	0:	0:	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									
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
JUL										AUG										SEP										TOT OBS=509									
TOT OBS=527										TOT OBS=527										TOT OBS=509										TOT OBS=509									
>360-	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:									
I 360-	:	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:									
N 300-	:	44:	35:	11:	2:	0:	0:	0:	0:	:	2:	0:	0:	0:	0:	0:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:									
S 240-	:	107:	60:	18:	5:	1:	0:	0:	0:	:	97:	53:	11:	4:	0:	0:	0:	0:	:	27:	8:	3:	0:	0:	2:	0:	0:	0:	0:	0:									
O 180-	:	65:	38:	8:	3:	1:	0:	0:	0:	:	91:	67:	11:	3:	2:	0:	0:	0:	:	131:	63:	23:	8:	0:	1:	0:	0:	0:	0:										
L 120-	:	36:	19:	4:	2:	0:	0:	0:	0:	:	60:	22:	2:	4:	0:	1:	0:	0:	:	57:	32:	15:	5:	2:	2:	0:	0:	0:	0:	0:									
60-	:	34:	13:	2:	0:	0:	0:	0:	0:	:	39:	13:	5:	0:	0:	0:	0:	0:	:	46:	14:	9:	1:	1:	1:	0:	1:	1:	1:										
0-	:	10:	4:	4:	0:	0:	0:	0:	0:	:	27:	9:	1:	1:	0:	1:	0:	1:	:	25:	21:	4:	2:	2:	1:	0:	2:	2:	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-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
OCT										NOV										DEC										TOT OBS=496									
TOT OBS=526										TOT OBS=480										TOT OBS=496										TOT OBS=496									
>360-	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:									
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:									
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:									
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:									
O 180-	:	12:	16:	6:	3:	1:	1:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:									
L 120-	:	126:	65:	32:	11:	8:	2:	0:	2:	:	0:	2:	1:	0:	0:	0:	0:	0:	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:									
60-	:	55:	30:	19:	7:	6:	2:	2:	2:	:	101:	64:	33:	25:	24:	10:	6:	5:	:	55:	51:	43:	25:	18:	11:	6:	19:	19:	19:										
0-	:	40:	31:	16:	10:	3:	6:	1:	11:	:	75:	48:	36:	24:	4:	6:	5:	11:	:	85:	60:	38:	38:	13:	11:	11:	12:	12:	12:										
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										WIND POWER-TOTAL									

TABLE C- 3. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- BURLINGTON, VERMONT

JAN		TOT OBS=774	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	314	21	4	1	1	0	0	0
60	393	33	7	0	0	0	0	0
0	0	0	0	0	0	0	0	0
WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700
APR		TOT OBS=750	MAY		TOT OBS=775	JUN		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	36	5	1	0	0	0	0	0
N 300	189	45	4	1	0	0	0	0
S 240	99	16	2	1	0	0	0	0
O 180	109	23	1	0	0	0	0	0
L 120	149	34	2	1	0	0	0	0
60	27	4	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700
JUL		TOT OBS=775	AUG		TOT OBS=775	SEP		TOT OBS=750
>360	0	0	0	0	0	0	0	0
I 360	293	16	1	0	0	0	0	0
N 300	167	13	1	0	0	0	0	0
S 240	131	9	0	0	0	0	0	0
O 180	88	7	0	1	0	0	0	0
L 120	45	1	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700
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	23	1	0	0	0	0	0	0
O 180	302	17	1	0	0	0	0	0
L 120	232	24	3	0	0	0	0	0
60	156	11	4	1	0	0	0	0
0	0	0	0	0	0	0	0	0
WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700	WIND POWER-DAY		0 100 200 300 400 500 600 700 >700

TABLE C- 4. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- BURLINGTON, VERMONT

JAN										FEB										MAR																
TOT OBS=774										TOT OBS=707										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							
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							
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							
S 240-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	4	1	0	0	0	0	0	0	0							
O 180-	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	161	48	21	2	3	0	0	0	0	0							
L 120-	0	0	0	0	0	0	0	0	0	163	39	11	3	1	0	0	0	0	0	105	30	20	2	2	4	0	0	0	0							
60-	221	80	23	12	1	2	1	1	1	151	52	21	12	7	3	1	0	0	0	158	52	25	4	4	2	1	0	0	0							
0-	254	112	41	15	7	2	2	0	0	137	64	30	9	2	0	0	0	0	0	75	23	6	3	0	2	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																
APR										MAY										JUN																
TOT OBS=750										TOT OBS=775										TOT OBS=750																
>360-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0							
I 360-	33	8	1	0	0	0	0	0	0	187	39	6	0	1	1	0	0	0	0	257	37	4	2	0	0	0	0	0	0							
N 300-	171	47	16	2	2	0	0	1	1	108	43	5	3	0	1	0	0	0	0	121	32	6	1	0	0	0	0	0	0							
S 240-	79	28	7	4	0	1	0	0	0	94	28	9	6	2	0	0	0	0	0	83	19	3	1	0	0	0	0	0	0							
O 180-	87	36	8	2	0	0	0	0	0	85	27	2	1	0	0	0	0	0	0	103	10	2	0	0	0	0	0	0	0							
L 120-	121	42	15	5	2	0	1	0	0	91	29	5	2	0	0	0	0	0	0	51	10	1	1	0	0	0	0	0	0							
60-	20	7	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-	20	7	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	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										AUG										SEP																
TOT OBS=775										TOT OBS=775										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							
I 360-	277	30	4	1	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
N 300-	150	26	4	1	0	0	0	0	0	325	23	2	0	0	0	0	0	0	0	58	3	0	0	0	0	0	0	0	0							
S 240-	114	26	0	0	0	0	0	0	0	131	22	2	0	0	0	0	0	0	0	244	50	3	3	1	0	0	0	0	0							
O 180-	77	14	4	0	1	0	0	0	0	107	15	4	0	0	0	0	0	0	0	142	39	5	0	0	0	0	0	0	0							
L 120-	42	4	0	0	0	0	0	0	0	79	13	2	0	0	0	0	0	0	0	125	36	9	3	2	0	0	0	0	0							
60-	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	21	4	2	0	0	0	0	0	0	0							
0-	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	21	4	2	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										NOV										DEC																
TOT OBS=775										TOT OBS=750										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	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							
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							
S 240-	19	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							
O 180-	251	52	14	3	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
L 120-	164	65	16	9	4	1	0	0	0	192	76	18	5	1	3	0	0	0	0	132	30	17	1	1	0	0	0	0	0							
60-	119	32	15	2	2	0	0	2	2	279	111	37	14	4	2	1	1	1	1	330	155	46	17	11	1	2	1	1	1							
0-	119	32	15	2	2	0	0	2	2	279	111	37	14	4	2	1	1	1	1	330	155	46	17	11	1	2	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-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL																

TABLE C- 5. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- CARIBOU, MAINE

JAN		TOT OBS=341	FEB		TOT OBS=310	MAR		TOT OBS=341
>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:			2: 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:			62: 14: 15: 5: 5: 2: 5: 0:		
O 180-	0: 0: 0: 0: 0: 0: 0: 0:		37: 16: 7: 3: 1: 0: 2: 0:			72: 15: 10: 8: 7: 6: 3: 1:		
L 120-	93: 25: 9: 5: 1: 1: 0: 0:		121: 25: 16: 5: 6: 4: 2: 0:			52: 21: 5: 2: 2: 1: 1: 0:		
60-	153: 29: 14: 6: 3: 2: 0: 0:		48: 8: 6: 3: 0: 0: 0: 0:			18: 2: 4: 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		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=330	MAY		TOT OBS=341	JUN		TOT OBS=330
>360-	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			8: 3: 3: 0: 0: 0: 0: 0:		
I 360-	3: 0: 0: 0: 0: 0: 0: 0:		62: 10: 16: 3: 1: 0: 1: 1:			67: 23: 4: 2: 1: 0: 0: 0:		
N 300-	67: 14: 9: 3: 2: 1: 0: 2:		29: 15: 3: 7: 0: 1: 0: 1:			27: 19: 7: 4: 1: 0: 0: 1:		
S 240-	40: 16: 4: 4: 1: 2: 0: 1:		27: 17: 1: 6: 3: 0: 0: 0:			31: 5: 5: 2: 0: 0: 1: 0:		
O 180-	43: 9: 11: 3: 1: 1: 1: 0:		25: 16: 9: 2: 4: 0: 0: 1:			37: 9: 2: 1: 0: 0: 0: 0:		
L 120-	32: 13: 4: 3: 3: 0: 0: 0:		39: 4: 2: 0: 0: 1: 0: 0:			36: 4: 2: 0: 1: 1: 0: 0:		
60-	33: 2: 1: 0: 1: 0: 0: 0:		27: 6: 1: 0: 0: 0: 0: 0:			17: 4: 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		
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
JUL		TOT OBS=372	AUG		TOT OBS=342	SEP		TOT OBS=330
>360-	0: 2: 1: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
I 360-	72: 24: 4: 1: 0: 0: 0: 0:		13: 5: 2: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
N 300-	67: 13: 4: 2: 2: 0: 0: 0:		96: 16: 7: 1: 0: 1: 0: 0:			8: 3: 1: 2: 0: 0: 0: 0:		
S 240-	51: 15: 4: 3: 0: 0: 0: 0:		65: 22: 1: 1: 0: 0: 0: 0:			73: 22: 10: 1: 0: 0: 0: 0:		
O 180-	47: 7: 1: 0: 1: 0: 0: 0:		37: 5: 3: 0: 0: 0: 0: 0:			59: 22: 4: 1: 0: 0: 0: 0:		
L 120-	26: 5: 0: 0: 0: 0: 0: 0:		40: 4: 0: 0: 2: 0: 0: 0:			45: 16: 7: 1: 0: 2: 0: 0:		
60-	18: 2: 0: 0: 0: 0: 0: 0:		19: 1: 1: 0: 0: 0: 0: 0:			50: 3: 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=341	NOV		TOT OBS=330	DEC		TOT OBS=341
>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-	1: 0: 0: 0: 1: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
O 180-	77: 19: 7: 1: 0: 1: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
L 120-	90: 18: 7: 5: 2: 0: 0: 0:		77: 12: 11: 3: 0: 0: 0: 0:			53: 5: 1: 0: 0: 0: 0: 0:		
60-	94: 11: 4: 2: 1: 0: 0: 0:		181: 28: 14: 3: 0: 1: 0: 0:			205: 46: 19: 6: 6: 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- 6. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- CARIBOU, MAINE

JAN		TOT OBS=341	FEB		TOT OBS=310	MAR		TOT OBS=341
>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:		
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:		
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:		
240	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			2: 0: 0: 0: 0: 0: 0: 0:		
180	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			47: 19: 9: 10: 4: 5: 3: 11:		
120	58: 30: 16: 6: 11: 5: 2: 6:		27: 12: 11: 3: 6: 3: 1: 3:			47: 24: 10: 9: 6: 5: 6: 15:		
60	83: 38: 27: 23: 9: 8: 5: 14:		77: 44: 16: 11: 8: 4: 7: 12:			34: 13: 11: 8: 10: 2: 2: 4:		
0	0: 0: 0: 0: 0: 0: 0: 0:		31: 16: 6: 2: 5: 3: 0: 2:			8: 6: 7: 1: 2: 0: 0: 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		
		WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL
APR		TOT OBS=330	MAY		TOT OBS=341	JUN		TOT OBS=330
>360	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			7: 3: 3: 1: 0: 0: 0: 0:		
360	3: 0: 0: 0: 0: 0: 0: 0:		55: 15: 8: 9: 4: 2: 0: 1:			60: 24: 9: 2: 1: 1: 0: 0:		
300	52: 25: 8: 3: 3: 4: 0: 3:		26: 14: 5: 6: 3: 1: 0: 1:			24: 18: 7: 6: 4: 0: 0: 0:		
240	31: 14: 11: 4: 5: 0: 0: 3:		20: 15: 9: 2: 4: 3: 1: 0:			26: 9: 3: 4: 1: 0: 0: 1:		
180	31: 12: 11: 6: 3: 3: 1: 2:		23: 10: 10: 5: 3: 2: 3: 1:			30: 11: 6: 2: 0: 0: 0: 0:		
120	22: 12: 7: 6: 2: 3: 1: 2:		31: 10: 2: 2: 0: 0: 0: 1:			27: 10: 5: 0: 0: 1: 0: 1:		
60	19: 12: 2: 1: 1: 1: 0: 1:		25: 6: 3: 0: 0: 0: 0: 0:			14: 6: 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:		
	0 100 200 300 400 500 600 700 >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=372	AUG		TOT OBS=342	SEP		TOT OBS=330
>360	0: 1: 1: 1: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
360	64: 29: 7: 0: 1: 0: 0: 0:		11: 6: 3: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
300	59: 20: 2: 5: 0: 2: 0: 0:		87: 19: 13: 1: 0: 0: 1: 0:			6: 3: 2: 2: 1: 0: 0: 0:		
240	44: 18: 7: 3: 0: 1: 0: 0:		56: 23: 9: 1: 0: 0: 0: 0:			63: 23: 7: 11: 1: 1: 0: 0:		
180	40: 11: 3: 1: 0: 1: 0: 0:		31: 9: 3: 1: 1: 0: 0: 0:			51: 20: 9: 5: 1: 0: 0: 0:		
120	22: 8: 1: 0: 0: 0: 0: 0:		35: 7: 1: 1: 0: 1: 1: 0:			38: 20: 4: 4: 3: 0: 1: 1:		
60	16: 3: 1: 0: 0: 0: 0: 0:		16: 3: 1: 1: 0: 0: 0: 0:			41: 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:		
	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=341	NOV		TOT OBS=330	DEC		TOT OBS=341
>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:		
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:		
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:		
240	1: 0: 0: 0: 0: 0: 0: 1:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
180	64: 15: 15: 7: 3: 0: 0: 1:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
120	63: 32: 12: 3: 4: 2: 3: 3:		53: 21: 9: 3: 9: 3: 4: 1:			35: 16: 6: 0: 2: 0: 0: 0:		
60	68: 18: 12: 7: 2: 3: 1: 1:		132: 36: 23: 9: 15: 6: 1: 5:			133: 47: 35: 19: 21: 10: 4: 13:		
0	0: 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- 7. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- CONCORD, NEW HAMPSHIRE

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:			
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: 0: 0: 1: 0: 0: 0: 0:			
O 180-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				150: 44: 11: 5: 0: 0: 0: 0:			
L 120-	0: 0: 0: 0: 0: 0: 0: 0:			168: 30: 12: 2: 0: 1: 0: 0:				153: 43: 8: 3: 0: 1: 1: 0:			
60-	380: 35: 10: 0: 0: 0: 0: 0:			219: 30: 9: 4: 2: 0: 0: 0:				159: 15: 3: 2: 0: 0: 0: 0:			
0-	337: 12: 1: 0: 0: 0: 0: 0:			216: 11: 1: 2: 0: 0: 0: 0:				166: 6: 3: 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-	2: 1: 0: 0: 0: 0: 0: 0:			113: 24: 4: 0: 0: 0: 0: 0:				178: 8: 1: 2: 0: 0: 0: 0:			
N 300-	176: 29: 8: 2: 1: 2: 0: 0:			183: 20: 5: 0: 0: 0: 0: 0:				195: 8: 0: 0: 0: 0: 0: 0:			
S 240-	121: 21: 6: 5: 2: 0: 0: 0:			110: 10: 1: 2: 0: 0: 0: 0:				114: 8: 0: 0: 0: 0: 0: 0:			
O 180-	106: 14: 6: 2: 1: 0: 0: 0:			97: 9: 1: 0: 0: 0: 0: 0:				91: 4: 1: 0: 0: 0: 0: 0:			
L 120-	144: 9: 5: 1: 0: 0: 0: 0:			144: 6: 0: 0: 0: 0: 0: 0:				117: 1: 0: 0: 0: 0: 0: 0:			
60-	79: 6: 1: 0: 0: 0: 0: 0:			45: 1: 0: 0: 0: 0: 0: 0:				21: 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=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-	89: 2: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
N 300-	289: 3: 0: 0: 0: 0: 0: 0:			232: 3: 0: 0: 0: 0: 0: 0:				2: 1: 0: 0: 0: 0: 0: 0:			
S 240-	173: 3: 0: 0: 0: 0: 0: 0:			262: 6: 1: 0: 0: 0: 0: 0:				283: 8: 2: 0: 1: 0: 0: 0:			
O 180-	103: 0: 0: 0: 0: 0: 0: 0:			109: 2: 1: 0: 0: 0: 0: 0:				192: 12: 0: 0: 0: 0: 0: 0:			
L 120-	95: 0: 0: 0: 0: 0: 0: 0:			114: 3: 1: 0: 0: 0: 0: 0:				168: 2: 0: 0: 0: 0: 0: 0:			
60-	17: 1: 0: 0: 0: 0: 0: 0:			41: 0: 0: 0: 0: 0: 0: 0:				73: 6: 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=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-	10: 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-	335: 10: 3: 0: 0: 0: 0: 0:			4: 0: 0: 0: 0: 0: 0: 0:				0: 0: 0: 0: 0: 0: 0: 0:			
L 120-	204: 10: 1: 1: 0: 0: 0: 0:			353: 23: 6: 2: 0: 0: 0: 0:				250: 28: 3: 3: 1: 0: 0: 0:			
60-	193: 3: 4: 0: 0: 0: 0: 0:			350: 8: 2: 2: 0: 0: 0: 0:				443: 10: 4: 2: 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- 8. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- CONCORD, NEW HAMPSHIRE

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
M 300-	0	0	0	0	0	0	0	0
S 240-	0	0	0	0	0	0	1	0
O 180-	0	0	0	0	0	125	46	24
L 120-	0	0	0	0	0	133	37	27
60-	289	75	29	17	5	135	31	6
0-	291	33	16	3	5	143	24	5
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
I 360-	2	1	0	0	0	174	11	2
M 300-	170	31	9	5	0	194	9	0
S 240-	108	30	8	3	4	111	10	1
O 180-	90	27	4	5	2	89	6	0
L 120-	132	16	5	5	0	115	3	0
60-	71	11	3	1	0	20	2	0
0-	0	0	0	0	0	0	0	0
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
I 360-	87	4	0	0	0	0	0	0
M 300-	284	8	0	0	0	2	1	0
S 240-	170	6	0	0	0	274	15	3
O 180-	102	1	0	0	0	186	17	1
L 120-	95	0	0	0	0	165	5	0
60-	17	1	0	0	0	71	6	2
0-	0	0	0	0	0	0	0	0
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=744
>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-	9	1	0	0	0	0	0	0
O 180-	314	30	2	2	0	0	0	0
L 120-	168	37	7	2	1	109	44	26
60-	183	6	5	1	1	386	45	17
0-	0	0	0	0	0	0	0	0
0	100	200	300	400	500	600	700	>700
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C- 9. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- HARRISBURG, PENNSYLVANIA

JAN										FEB										MAR									
TOT OBS=774										TOT OBS=706										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
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
N 360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0	0	6	0	0	1	0	0	0	0	0	0	208	31	7	3	3	0	0	0	0	0
O 180	7	3	0	1	0	0	0	0	0	217	51	19	5	1	2	1	0	0	0	131	31	13	7	3	0	0	0	0	0
L 120	354	53	17	6	1	1	1	0	0	170	20	10	4	4	3	1	0	0	0	194	22	10	3	0	0	0	0	0	0
60	314	11	3	0	0	2	0	0	0	161	8	2	0	0	0	0	0	0	0	89	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									
APR										MAY										JUN									
TOT OBS=750										TOT OBS=775										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
I 360	3	0	0	0	0	0	0	0	0	129	13	2	0	0	0	0	0	0	0	213	8	2	0	0	0	0	0	0	0
N 300	223	32	3	3	0	0	0	0	0	200	16	3	1	0	0	0	0	0	0	186	13	0	0	0	0	0	0	0	0
S 240	107	28	7	2	0	2	0	0	0	135	12	2	1	0	0	0	0	0	0	137	5	0	0	0	0	0	0	0	0
O 180	99	17	6	3	0	0	2	0	0	115	5	1	0	0	0	0	0	0	0	108	3	0	0	0	0	0	0	0	0
L 120	133	22	5	0	2	0	0	0	0	118	3	1	0	0	0	0	0	0	0	65	1	0	0	0	0	0	0	0	0
60	46	4	1	0	0	0	0	0	0	17	1	0	0	0	0	0	0	0	0	7	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
0 100 200 300 400 500 600 700 >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										AUG										SEP									
TOT OBS=774										TOT OBS=775										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
I 360	106	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
N 300	319	7	1	0	0	0	0	0	0	203	2	1	0	0	0	0	0	0	0	35	1	0	0	0	0	0	0	0	0
S 240	133	5	0	0	0	0	0	0	0	200	3	1	1	0	0	0	0	0	0	332	7	0	0	0	0	0	0	0	0
O 180	133	1	0	0	0	0	0	0	0	155	1	0	0	0	0	0	0	0	0	158	10	0	0	0	0	0	0	0	0
L 120	60	0	0	0	0	0	0	0	0	95	0	1	0	0	0	0	0	0	0	163	3	0	0	0	0	0	0	0	0
60	6	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	39	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									
WIND POWER-DAY										WIND POWER-DAY										WIND POWER-DAY									
OCT										NOV										DEC									
TOT OBS=775										TOT OBS=750										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
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
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
S 240	76	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
O 180	332	22	1	1	1	0	0	0	0	54	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L 120	215	15	5	0	0	0	0	0	0	360	35	10	1	0	1	0	0	0	0	295	40	13	6	2	2	0	0	0	0
60	97	4	0	1	0	0	0	0	0	258	22	2	3	2	0	0	0	0	0	365	15	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	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-10. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- HARRISBURG, PENNSYLVANIA

JAN										FEB										MAR									
TOT OBS=774										TOT OBS=706										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
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
N 300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	3	0	0	0	0	0	0	0	0
S 240	0	0	0	0	0	0	0	0	0	2	3	1	0	1	0	0	0	0	0	155	54	22	10	5	3	0	0	3	0
O 180	6	3	0	1	0	0	0	0	1	160	61	37	15	9	7	2	5	0	0	97	34	27	10	5	7	0	0	5	0
L 120	267	77	36	29	9	6	5	4	0	146	27	14	5	4	5	2	9	0	0	158	36	15	9	4	4	1	2	0	0
60	265	40	15	5	3	0	0	2	0	158	19	6	6	1	0	0	1	0	0	76	13	1	0	2	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	0
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
APR										MAY										JUN									
TOT OBS=750										TOT OBS=775										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
I 360	3	0	0	0	0	0	0	0	0	121	19	2	2	0	0	0	0	0	0	209	12	2	0	0	0	0	0	0	0
N 300	193	47	10	6	4	0	0	1	0	184	26	8	1	1	0	0	0	0	0	183	13	3	0	0	0	0	0	0	0
S 240	88	36	11	5	3	2	0	1	0	123	20	4	1	2	0	0	0	0	0	132	9	1	0	0	0	0	0	0	0
O 180	80	27	6	5	4	1	0	2	0	104	13	3	1	0	0	0	0	0	0	105	5	1	0	0	0	0	0	0	0
L 120	109	35	5	5	2	0	1	2	0	112	7	2	0	1	0	0	0	0	0	63	3	0	0	0	0	0	0	0	0
60	36	6	4	1	0	0	0	0	0	13	5	0	0	0	0	0	0	0	0	6	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	0	0	0	0	0	0	0	0	0
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
JUL										AUG										SEP									
TOT OBS=774										TOT OBS=775										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
I 360	105	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
N 300	314	11	1	1	0	0	0	0	0	297	8	0	1	0	0	0	0	0	0	35	1	0	0	0	0	0	0	0	0
S 240	133	4	1	0	0	0	0	0	0	194	9	0	1	1	0	0	0	0	0	324	14	1	0	0	0	0	0	0	0
O 180	132	2	0	0	0	0	0	0	0	154	2	0	0	0	0	0	0	0	0	152	14	2	0	0	0	0	0	0	0
L 120	60	0	0	0	0	0	0	0	0	95	0	0	1	0	0	0	0	0	0	159	7	0	0	0	0	0	0	0	0
60	5	1	0	0	0	0	0	0	0	11	1	0	0	0	0	0	0	0	0	38	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	0	0
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									
OCT										NOV										DEC									
TOT OBS=775										TOT OBS=750										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
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
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
S 240	74	4	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
O 180	308	36	9	2	1	1	0	0	0	47	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L 120	202	20	11	2	0	0	0	0	0	299	66	25	9	5	2	0	1	0	0	235	51	33	22	3	7	1	4	0	0
60	89	8	2	2	0	1	0	0	0	216	37	20	4	3	4	1	2	0	0	302	53	17	7	2	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
WIND POWER-TOTAL										WIND POWER-TOTAL										WIND POWER-TOTAL									

TABLE C-11. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- LAKEHURST, NEW JERSEY

JAN		TOT OBS=742	FEB		TOT OBS=674	MAR		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:		
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:	9: 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:		5: 1: 0: 0: 0: 0: 0: 0: 0:	194: 46: 9: 3: 2: 2: 2: 0:		
O 180	5: 2: 1: 0: 0: 0: 0: 0: 0:		205: 44: 24: 4: 6: 4: 0: 0: 0:		144: 34: 10: 5: 3: 0: 3: 1:	142: 19: 8: 1: 1: 0: 1: 0:		
L 120	387: 58: 14: 5: 3: 1: 0: 0: 0:		183: 27: 8: 7: 2: 0: 1: 1:		137: 8: 5: 2: 0: 0: 0: 0: 0:	84: 11: 5: 0: 0: 0: 1: 0:		
60	237: 24: 3: 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			
WIND POWER-DAY			WIND POWER-DAY			WIND POWER-DAY		
APR		TOT OBS=718	MAY		TOT OBS=738	JUN		TOT OBS=719
>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	3: 0: 0: 0: 0: 0: 0: 0: 0:		88: 10: 1: 0: 0: 0: 0: 0: 0:		131: 9: 0: 0: 0: 0: 0: 0: 0:	131: 9: 0: 0: 0: 0: 0: 0: 0:		
N 300	202: 25: 7: 2: 3: 0: 0: 0: 0:		222: 25: 4: 2: 0: 0: 0: 0: 0:		243: 12: 4: 0: 0: 1: 0: 0: 0:	138: 7: 0: 0: 0: 0: 0: 0: 0:		
S 240	132: 28: 14: 12: 3: 0: 0: 0: 0:		138: 10: 4: 1: 0: 0: 1: 0: 0:		98: 0: 0: 0: 0: 0: 0: 0: 0:	64: 3: 0: 0: 0: 0: 0: 0: 0:		
O 180	95: 17: 3: 2: 0: 0: 0: 0: 1:		117: 9: 2: 0: 0: 0: 0: 0: 0:		84: 4: 0: 0: 0: 0: 0: 0: 0:	13: 3: 0: 0: 0: 0: 0: 0: 0:		
L 120	119: 10: 2: 2: 0: 0: 0: 0: 0:							
60	25: 9: 1: 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=740	AUG		TOT OBS=738	SEP		TOT OBS=719
>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	56: 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:	14: 0: 0: 0: 0: 0: 0: 0: 0:		
N 300	314: 2: 0: 0: 0: 0: 0: 0: 0:		244: 4: 1: 0: 0: 0: 0: 0: 0:		243: 4: 0: 0: 0: 0: 0: 0: 0:	341: 4: 1: 0: 0: 0: 0: 0: 0:		
S 240	170: 6: 2: 0: 0: 0: 0: 0: 0:		144: 0: 1: 1: 0: 0: 0: 0: 0:		179: 2: 0: 0: 0: 0: 0: 0: 0:	134: 3: 1: 0: 0: 0: 0: 0: 0:		
O 180	116: 1: 0: 0: 0: 0: 0: 0: 0: 0:		85: 0: 0: 0: 0: 0: 0: 0: 0:		10: 1: 0: 0: 0: 0: 0: 0: 0:	35: 4: 0: 1: 0: 0: 0: 0: 0:		
L 120	64: 0: 0: 0: 0: 0: 0: 0: 0:							
60	8: 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=742	NOV		TOT OBS=719	DEC		TOT OBS=734
>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	36: 0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0: 0:		54: 3: 0: 0: 0: 0: 0: 0: 0:	399: 38: 6: 3: 1: 0: 0: 0: 0:		
O 180	402: 10: 0: 0: 0: 0: 0: 0: 0:		203: 8: 3: 1: 0: 0: 0: 0: 0:		304: 12: 2: 2: 0: 0: 0: 0: 0:			
L 120	197: 6: 3: 0: 0: 0: 0: 0: 0:							
60	83: 5: 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-12. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- LAKEHURST, NEW JERSEY

JAN										TOT OBS=742										FEB										TOT OBS=674										MAR										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:																						
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:																						
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:									: 9: 0: 0: 0: 0: 0: 0: 0: 0:									: 169: 56: 14: 9: 3: 3: 0: 4:																						
S 240	: 0: 0: 0: 0: 0: 0: 0: 0:									: 4: 2: 0: 0: 0: 0: 0: 0:									: 177: 55: 19: 19: 3: 2: 7: 5:									: 126: 31: 19: 10: 3: 4: 1: 6:									: 121: 23: 14: 7: 3: 2: 0: 2:																						
O 180	: 4: 2: 0: 1: 1: 0: 0: 0:									: 155: 34: 16: 9: 8: 4: 1: 2:									: 112: 18: 13: 2: 4: 1: 1: 1:									: 55: 24: 10: 8: 3: 0: 0: 1:																															
L 120	: 322: 77: 36: 11: 9: 0: 3: 10:																																																										
60	: 208: 24: 17: 5: 7: 3: 1: 1:																																																										
0	0 100 200 300 400 500 600 700 >700																																																										
WIND POWER-TOTAL																																																											
APR										TOT OBS=718										MAY										TOT OBS=738										JUN										TOT OBS=719									
>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:																						
I 360	: 3: 0: 0: 0: 0: 0: 0: 0:									: 85: 11: 3: 0: 0: 0: 0: 0:									: 127: 13: 0: 0: 0: 0: 0: 0:									: 239: 15: 3: 2: 0: 0: 1: 0:									: 137: 8: 0: 0: 0: 0: 0: 0:																						
N 300	: 182: 40: 9: 3: 3: 1: 0: 1:									: 204: 39: 8: 1: 1: 0: 0: 0:									: 239: 15: 3: 2: 0: 0: 1: 0:									: 137: 8: 0: 0: 0: 0: 0: 0:									: 96: 2: 0: 0: 0: 0: 0: 0:																						
S 240	: 124: 28: 14: 13: 6: 3: 0: 1:									: 130: 13: 7: 3: 0: 0: 1: 0:									: 108: 14: 6: 0: 0: 0: 0: 0:									: 80: 6: 2: 0: 0: 0: 0: 0:									: 62: 4: 1: 0: 0: 0: 0: 0:																						
O 180	: 91: 13: 9: 1: 2: 1: 0: 1:									: 80: 6: 2: 0: 0: 0: 0: 0:									: 11: 3: 2: 0: 0: 0: 0: 0:									: 8: 1: 0: 0: 0: 0: 0: 0:									: 8: 1: 0: 0: 0: 0: 0: 0:																						
L 120	: 100: 22: 8: 1: 1: 0: 0: 1:									: 11: 3: 2: 0: 0: 0: 0: 0:																																																	
60	: 17: 9: 5: 2: 2: 1: 0: 0:																																																										
0	0 100 200 300 400 500 600 700 >700																																																										
WIND POWER-TOTAL																																																											
JUL										TOT OBS=740										AUG										TOT OBS=738										SEP										TOT OBS=719									
>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:																						
I 360	: 55: 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:																						
N 300	: 303: 13: 0: 0: 0: 0: 0: 0:									: 241: 6: 1: 1: 0: 0: 0: 0:									: 236: 9: 2: 0: 0: 0: 0: 0:									: 143: 1: 0: 1: 0: 1: 0: 0:									: 83: 2: 0: 0: 0: 0: 0: 0:																						
S 240	: 169: 6: 3: 0: 0: 0: 0: 0:									: 143: 1: 0: 1: 0: 1: 0: 0:									: 83: 2: 0: 0: 0: 0: 0: 0:									: 10: 0: 1: 0: 0: 0: 0: 0:									: 33: 2: 4: 0: 1: 0: 0: 0:																						
O 180	: 114: 3: 0: 0: 0: 0: 0: 0:									: 10: 0: 1: 0: 0: 0: 0: 0:																																																	
L 120	: 64: 0: 0: 0: 0: 0: 0: 0:									: 355: 66: 13: 8: 1: 1: 1: 2:									: 290: 82: 22: 7: 8: 2: 1: 2:									: 250: 42: 17: 5: 3: 0: 2: 1:																															
60	: 6: 2: 0: 0: 0: 0: 0: 0:									: 176: 22: 9: 5: 2: 1: 0: 0:																																																	
0	0 100 200 300 400 500 600 700 >700																																																										
WIND POWER-TOTAL																																																											
OCT										TOT OBS=742										NOV										TOT OBS=719										DEC										TOT OBS=734									
>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:																						
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:																						
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:																						
S 240	: 35: 1: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 51: 6: 0: 0: 0: 0: 0: 0:									: 355: 66: 13: 8: 1: 1: 1: 2:									: 290: 82: 22: 7: 8: 2: 1: 2:																						
O 180	: 381: 28: 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: 0: 0: 0: 0:																						
L 120	: 185: 13: 4: 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:																						
60	: 70: 13: 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	0 100 200 300 400 500 600 700 >700																																																										
WIND POWER-TOTAL																																																											

TABLE C-13. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- NEW YORK, NEW YORK

JAN		TOT OBS=713		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:	
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:	
A 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:			4: 5: 3: 4: 1: 0: 0: 0:	
O 180-	0: 0: 0: 0: 0: 0: 0: 0:			0: 1: 1: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:			118: 75: 22: 10: 7: 5: 1: 0:	
L 120-	6: 3: 1: 0: 1: 0: 0: 0:			118: 64: 30: 5: 9: 4: 5: 0:			110: 32: 17: 5: 5: 1: 6: 1:			110: 32: 17: 5: 5: 1: 6: 1:	
60-	257: 92: 41: 9: 7: 2: 5: 0:			153: 37: 17: 7: 5: 2: 1: 0:			77: 21: 9: 4: 0: 0: 3: 0:			77: 21: 9: 4: 0: 0: 3: 0:	
0-	224: 34: 11: 12: 7: 1: 0: 0:			125: 37: 8: 12: 5: 2: 1: 0:			96: 32: 16: 10: 7: 5: 0: 1:			96: 32: 16: 10: 7: 5: 0: 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			0 100 200 300 400 500 600 700 >700	
WIND POWER-DAY				WIND POWER-DAY				WIND POWER-DAY			
APR		TOT OBS=690		MAY		TOT OBS=713		JUN		TOT OBS=690	
>360-	0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 1: 0: 0: 0: 0: 0:			0: 0: 2: 0: 0: 0: 0: 0:			0: 0: 2: 0: 0: 0: 0: 0:	
I 360-	3: 5: 1: 0: 1: 0: 0: 0:			72: 44: 11: 5: 0: 0: 0: 0:			115: 30: 4: 1: 0: 0: 0: 0:			115: 30: 4: 1: 0: 0: 0: 0:	
A 300-	115: 58: 25: 12: 0: 0: 0: 1:			137: 59: 16: 5: 1: 0: 0: 0:			156: 50: 13: 1: 1: 0: 1: 0:			156: 50: 13: 1: 1: 0: 1: 0:	
S 240-	93: 51: 14: 9: 7: 2: 2: 1:			100: 24: 6: 1: 2: 2: 0: 0:			86: 17: 5: 2: 0: 0: 0: 0:			86: 17: 5: 2: 0: 0: 0: 0:	
C 180-	55: 17: 9: 4: 4: 1: 3: 0:			51: 18: 4: 3: 2: 0: 0: 0:			63: 11: 3: 1: 0: 1: 0: 0:			63: 11: 3: 1: 0: 1: 0: 0:	
L 120-	61: 17: 9: 6: 1: 2: 0: 0:			61: 12: 6: 2: 0: 1: 0: 0:			68: 17: 2: 1: 0: 0: 0: 0:			68: 17: 2: 1: 0: 0: 0: 0:	
60-	48: 25: 12: 7: 3: 5: 1: 0:			49: 9: 5: 2: 0: 2: 0: 0:			30: 6: 3: 0: 0: 0: 0: 0:			30: 6: 3: 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=744		AUG		TOT OBS=744		SEP		TOT OBS=720	
>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-	88: 16: 5: 0: 0: 0: 0: 0:			8: 2: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:	
A 300-	180: 52: 10: 0: 0: 0: 0: 0:			199: 20: 1: 0: 0: 1: 0: 0:			41: 4: 2: 0: 0: 0: 0: 0:			41: 4: 2: 0: 0: 0: 0: 0:	
S 240-	140: 40: 8: 2: 0: 0: 0: 0:			208: 30: 1: 4: 0: 0: 0: 0:			252: 34: 9: 2: 0: 0: 0: 0:			252: 34: 9: 2: 0: 0: 0: 0:	
O 180-	81: 19: 2: 0: 0: 0: 0: 0:			121: 14: 4: 0: 0: 0: 0: 0:			145: 24: 4: 3: 0: 0: 0: 0:			145: 24: 4: 3: 0: 0: 0: 0:	
L 120-	55: 13: 3: 0: 0: 0: 0: 0:			75: 10: 3: 1: 1: 0: 0: 0:			91: 14: 4: 0: 0: 1: 0: 0:			91: 14: 4: 0: 0: 1: 0: 0:	
60-	17: 4: 2: 1: 0: 0: 0: 0:			30: 9: 2: 0: 0: 0: 0: 0:			62: 17: 6: 3: 0: 1: 1: 0:			62: 17: 6: 3: 0: 1: 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			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:	
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:	
A 300-	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:	
S 240-	34: 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:	
O 180-	307: 52: 10: 2: 0: 0: 0: 0:			30: 6: 1: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:	
L 120-	167: 29: 5: 2: 0: 0: 0: 0:			275: 78: 35: 9: 3: 1: 0: 0:			234: 69: 26: 8: 3: 2: 1: 0:			234: 69: 26: 8: 3: 2: 1: 0:	
60-	98: 23: 5: 2: 2: 1: 0: 0:			208: 39: 20: 9: 2: 2: 2: 0:			300: 49: 12: 6: 1: 2: 0: 0:			300: 49: 12: 6: 1: 2: 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-14. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- NEW YORK, NEW YORK

JAN		TOT OBS=713	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:	:	1: 2: 4: 2: 1: 2: 4: 1:		
S 240	:	0: 0: 0: 0: 0: 0: 0: 0:	:	0: 0: 0: 2: 0: 0: 0: 0:	:	55: 65: 43: 24: 18: 9: 9: 15:		
O 180	:	1: 4: 1: 3: 1: 0: 0: 1:	:	46: 54: 34: 32: 24: 13: 9: 23:	:	57: 54: 18: 13: 12: 6: 2: 15:		
L 120	:	129: 91: 51: 48: 32: 16: 11: 35:	:	84: 56: 26: 18: 12: 7: 6: 13:	:	48: 24: 13: 8: 7: 6: 3: 5:		
CO	:	128: 56: 41: 13: 18: 12: 7: 14:	:	70: 34: 32: 12: 11: 14: 5: 12:	:	51: 35: 21: 16: 14: 7: 8: 15:		
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=690	MAY		TOT OBS=713	JUN		TOT OBS=690
>360	:	0: 0: 0: 0: 0: 0: 0: 0:	:	0: 0: 0: 1: 0: 0: 0: 0:	:	0: 0: 1: 1: 0: 0: 0: 0:		
I 360	:	1: 5: 2: 1: 0: 1: 0: 0:	:	42: 42: 29: 14: 4: 0: 1: 0:	:	73: 58: 15: 4: 0: 0: 0: 0:		
N 300	:	50: 51: 32: 23: 13: 8: 3: 1:	:	80: 81: 32: 19: 4: 2: 0: 0:	:	99: 84: 26: 8: 2: 2: 0: 1:		
S 240	:	53: 49: 31: 18: 7: 3: 7: 11:	:	74: 33: 19: 2: 2: 1: 1: 3:	:	65: 33: 7: 1: 3: 1: 0: 0:		
O 180	:	28: 31: 10: 9: 2: 3: 5: 5:	:	38: 19: 13: 2: 1: 3: 2: 0:	:	48: 20: 7: 2: 1: 0: 0: 1:		
L 120	:	42: 19: 15: 4: 9: 1: 4: 2:	:	44: 21: 5: 4: 2: 5: 0: 1:	:	53: 23: 9: 1: 1: 1: 0: 0:		
CO	:	27: 26: 16: 10: 7: 7: 1: 7:	:	26: 24: 10: 2: 2: 1: 0: 2:	:	25: 7: 2: 5: 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=744	AUG		TOT OBS=744	SEP		TOT OBS=720
>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	:	61: 38: 7: 3: 0: 0: 0: 0:	:	4: 6: 0: 0: 0: 0: 0: 0:	:	0: 0: 0: 0: 0: 0: 0: 0:		
N 300	:	152: 72: 19: 5: 0: 0: 0: 0:	:	154: 53: 12: 0: 1: 0: 1: 0:	:	33: 8: 5: 1: 0: 0: 0: 0:		
S 240	:	111: 61: 14: 4: 0: 0: 0: 0:	:	161: 61: 14: 3: 2: 2: 0: 0:	:	188: 71: 27: 8: 1: 2: 0: 0:		
O 180	:	65: 26: 10: 1: 0: 0: 0: 0:	:	83: 44: 7: 5: 0: 0: 0: 0:	:	110: 43: 13: 5: 4: 1: 0: 0:		
L 120	:	47: 16: 8: 0: 0: 0: 0: 0:	:	60: 18: 8: 1: 1: 0: 1: 1:	:	65: 24: 14: 3: 2: 1: 0: 1:		
CO	:	12: 6: 4: 2: 0: 0: 0: 0:	:	24: 11: 3: 3: 0: 0: 0: 0:	:	46: 22: 9: 5: 2: 4: 0: 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-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		
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:		
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: 1: 0: 0: 0:	:	0: 0: 0: 0: 0: 0: 0: 0:	:	0: 0: 0: 0: 0: 0: 0: 0:		
S 240	:	17: 13: 5: 1: 0: 0: 0: 1:	:	0: 0: 0: 0: 0: 0: 0: 0:	:	0: 0: 0: 0: 0: 0: 0: 0:		
O 180	:	205: 92: 38: 18: 7: 7: 3: 1:	:	18: 11: 2: 4: 1: 0: 1: 0:	:	0: 0: 0: 0: 0: 0: 0: 0:		
L 120	:	117: 40: 24: 10: 9: 1: 2: 0:	:	186: 76: 43: 41: 19: 18: 7: 11:	:	111: 82: 47: 36: 24: 13: 10: 20:		
CO	:	45: 43: 21: 11: 2: 3: 3: 3:	:	121: 58: 36: 23: 9: 12: 11: 12:	:	153: 96: 41: 36: 16: 5: 10: 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		
WIND POWER-TOTAL			WIND POWER-TOTAL			WIND POWER-TOTAL		

TABLE C-15. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-DAY
- SYRACUSE, NEW YORK

JAN										TOT OBS=774										FEB										TOT OBS=702										MAR										TOT OBS=772									
>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:																						
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:																						
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:																						
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:																						
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 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	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 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	: 234: 31: 6: 8: 1: 3: 0: 0:									: 209: 26: 12: 2: 1: 2: 3: 0:									: 198: 52: 20: 5: 2: 0: 0: 0:									: 198: 52: 20: 5: 2: 0: 0: 0:									: 198: 52: 20: 5: 2: 0: 0: 0:																						
0	: 391: 56: 31: 7: 3: 0: 3: 0:									: 234: 55: 25: 7: 3: 3: 4: 1:									: 117: 28: 11: 6: 0: 2: 0: 0:									: 117: 28: 11: 6: 0: 2: 0: 0:									: 117: 28: 11: 6: 0: 2: 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																						
WIND POWER-DAY																																																											

APR										TOT OBS=744										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:									: 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:																						
N 300	: 0: 0: 0: 0: 0: 0: 0: 0:									: 110: 17: 3: 0: 0: 0: 0: 0:									: 110: 17: 3: 0: 0: 0: 0: 0:									: 110: 17: 3: 0: 0: 0: 0: 0:									: 110: 17: 3: 0: 0: 0: 0: 0:																						
S 240	: 166: 45: 11: 2: 1: 0: 0: 0:									: 154: 40: 7: 5: 1: 2: 0: 0:									: 154: 40: 7: 5: 1: 2: 0: 0:									: 154: 40: 7: 5: 1: 2: 0: 0:									: 154: 40: 7: 5: 1: 2: 0: 0:																						
O 180	: 101: 30: 4: 2: 1: 0: 0: 2:									: 95: 24: 5: 4: 1: 0: 0: 0:									: 95: 24: 5: 4: 1: 0: 0: 0:									: 95: 24: 5: 4: 1: 0: 0: 0:									: 95: 24: 5: 4: 1: 0: 0: 0:																						
L 120	: 82: 29: 7: 7: 4: 1: 1: 0:									: 112: 28: 2: 2: 0: 0: 0: 0:									: 112: 28: 2: 2: 0: 0: 0: 0:									: 112: 28: 2: 2: 0: 0: 0: 0:									: 112: 28: 2: 2: 0: 0: 0: 0:																						
60	: 147: 38: 15: 2: 3: 1: 0: 0:									: 109: 26: 5: 1: 0: 0: 0: 0:									: 109: 26: 5: 1: 0: 0: 0: 0:									: 109: 26: 5: 1: 0: 0: 0: 0:									: 109: 26: 5: 1: 0: 0: 0: 0:																						
0	: 26: 12: 4: 4: 0: 0: 1: 0:									: 17: 4: 0: 0: 1: 0: 0: 0:									: 17: 4: 0: 0: 1: 0: 0: 0:									: 17: 4: 0: 0: 1: 0: 0: 0:									: 17: 4: 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									0 100 200 300 400 500 600 700 >700									0 100 200 300 400 500 600 700 >700																						
WIND POWER-DAY																																																											

JUL										TOT OBS=775										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:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:																						
I 360	: 97: 6: 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:																						
N 300	: 274: 31: 7: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 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	: 155: 19: 4: 1: 0: 0: 0: 0:									: 238: 10: 0: 0: 0: 0: 0: 0:									: 238: 10: 0: 0: 0: 0: 0: 0:									: 238: 10: 0: 0: 0: 0: 0: 0:									: 238: 10: 0: 0: 0: 0: 0: 0:																						
O 180	: 89: 17: 3: 1: 0: 0: 0: 0:									: 223: 29: 3: 0: 0: 0: 0: 0:									: 223: 29: 3: 0: 0: 0: 0: 0:									: 223: 29: 3: 0: 0: 0: 0: 0:									: 223: 29: 3: 0: 0: 0: 0: 0:																						
L 120	: 62: 5: 1: 0: 0: 0: 0: 0:									: 135: 17: 2: 0: 0: 0: 0: 0:									: 135: 17: 2: 0: 0: 0: 0: 0:									: 135: 17: 2: 0: 0: 0: 0: 0:									: 135: 17: 2: 0: 0: 0: 0: 0:																						
60	: 2: 0: 0: 0: 0: 0: 0: 0:									: 103: 4: 1: 1: 0: 0: 0: 0:									: 103: 4: 1: 1: 0: 0: 0: 0:									: 103: 4: 1: 1: 0: 0: 0: 0:									: 103: 4: 1: 1: 0: 0: 0: 0:																						
0	: 0: 0: 0: 0: 0: 0: 0: 0:									: 6: 1: 1: 0: 0: 0: 0: 0:									: 6: 1: 1: 0: 0: 0: 0: 0:									: 6: 1: 1: 0: 0: 0: 0: 0:									: 6: 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									0 100 200 300 400 500 600 700 >700																						
WIND POWER-DAY																																																											

OCT										TOT OBS=774										NOV										TOT OBS=750										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:									: 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:																						
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:																						
S 240	: 9: 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:																						
O 180	: 269: 18: 3: 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:																						
L 120	: 248: 43: 11: 3: 1: 0: 0: 0:									: 2: 0: 0: 0: 0: 0: 0: 0:									: 2: 0: 0: 0: 0: 0: 0: 0:									: 2: 0: 0: 0: 0: 0: 0: 0:									: 2: 0: 0: 0: 0: 0: 0: 0:																						
60	: 138: 20: 4: 3: 1: 0: 0: 0:									: 231: 20: 7: 2: 0: 1: 0: 0:									: 231: 20: 7: 2: 0: 1: 0: 0:									: 231: 20: 7: 2: 0: 1: 0: 0:									: 231: 20: 7: 2: 0: 1: 0: 0:																						
0	: 0: 0: 0: 0: 0: 0: 0: 0:									: 406: 58: 18: 4: 1: 0: 0: 0:									: 406: 58: 18: 4: 1: 0: 0: 0:									: 406: 58: 18: 4: 1: 0: 0: 0:									: 406: 58: 18: 4: 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									0 100 200 300 400 500 600 700 >700									0 100 200 300 400 500 600 700 >700																						
WIND POWER-DAY																																																											

JAN										TOT OBS=774										FEB										TOT OBS=702										MAR										TOT OBS=772									
>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:																						
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:																						
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:																						
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:																						
O 180	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 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	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 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	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:																						
0	: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 0: 0: 0: 0: 0: 0: 0:									: 0: 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									0 100 200 300 400 500 600 700 >700																						
WIND POWER-DAY																																																											

TABLE C-16. JOINT PROBABILITY DISTRIBUTION OF INSOLATION AND WIND POWER-TOTAL
- SYRACUSE, NEW YORK

JAN		TOT OBS=774	FEB		TOT OBS=702	MAR		TOT OBS=772
>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:			0: 0: 0: 0: 0: 0: 0: 0:		
O 180-	0: 0: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			108: 32: 11: 3: 3: 1: 0: 0:		
L 120-	0: 0: 0: 0: 0: 0: 0: 0:		79: 26: 4: 3: 0: 0: 1: 2:			92: 33: 15: 14: 6: 4: 4: 5:		
60-	171: 58: 24: 10: 8: 0: 4: 8:		143: 57: 24: 12: 6: 3: 4: 6:			143: 62: 33: 17: 11: 6: 3: 2:		
0-	249: 113: 51: 28: 21: 10: 9: 10:		134: 99: 33: 19: 15: 10: 5: 17:			62: 50: 19: 15: 5: 4: 3: 6:		
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=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-	0: 0: 0: 0: 0: 0: 0: 0:		103: 20: 6: 1: 0: 0: 0: 0:			158: 20: 3: 2: 1: 0: 0: 0:		
N 300-	146: 49: 18: 8: 3: 1: 0: 0:		143: 46: 9: 5: 3: 0: 3: 0:			190: 26: 5: 2: 2: 1: 0: 0:		
S 240-	79: 41: 11: 4: 3: 1: 1: 0:		76: 37: 6: 8: 1: 1: 0: 0:			112: 21: 6: 0: 0: 0: 0: 0:		
O 180-	65: 35: 11: 5: 7: 4: 1: 3:		96: 37: 7: 2: 1: 1: 0: 0:			97: 20: 5: 2: 1: 0: 0: 0:		
L 120-	102: 57: 29: 12: 0: 1: 2: 3:		94: 34: 11: 1: 1: 0: 0: 0:			65: 7: 2: 0: 0: 0: 0: 0:		
60-	13: 16: 8: 2: 4: 1: 1: 2:		15: 5: 1: 0: 0: 0: 1: 0:			2: 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=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-	95: 7: 2: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
N 300-	260: 44: 8: 0: 0: 0: 0: 0:		230: 17: 1: 0: 0: 0: 0: 0:			1: 0: 0: 0: 0: 0: 0: 0:		
S 240-	147: 23: 8: 1: 0: 0: 0: 0:		202: 45: 7: 1: 0: 0: 0: 0:			251: 35: 5: 1: 0: 0: 0: 0:		
O 180-	82: 23: 2: 2: 1: 0: 0: 0:		121: 26: 6: 0: 1: 0: 0: 0:			150: 50: 12: 1: 0: 0: 0: 0:		
L 120-	61: 5: 1: 1: 0: 0: 0: 0:		99: 8: 0: 1: 1: 0: 0: 0:			146: 32: 11: 4: 3: 0: 0: 0:		
60-	1: 1: 0: 0: 0: 0: 0: 0:		6: 1: 0: 1: 0: 0: 0: 0:			31: 13: 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=774	NOV		TOT OBS=750	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-	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-	9: 1: 0: 0: 0: 0: 0: 0:		0: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
L 120-	243: 33: 12: 2: 1: 0: 1: 0:		2: 0: 0: 0: 0: 0: 0: 0:			0: 0: 0: 0: 0: 0: 0: 0:		
60-	210: 56: 21: 15: 1: 2: 1: 0:		188: 39: 20: 4: 5: 3: 0: 2:			94: 21: 7: 9: 2: 1: 1: 0:		
0-	95: 43: 17: 5: 3: 0: 2: 1:		268: 111: 56: 26: 8: 8: 6: 4:			340: 141: 64: 23: 17: 7: 8: 6:		
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		

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 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. 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.

THIS PAGE
WAS INTENTIONALLY
LEFT BLANK

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 BOSTON, MASSACHUSETTS.

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 BOSTON, MASSACHUSETTS

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 BOSTON, MASSACHUSETTS

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 BOSTON, MASSACHUSETTS

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
 BOSTON, MASSACHUSETTS