

JAERI - M

83-071

東海研究所気象観測年報 (1979~1981年)

1983年5月

小畑 一・小林 秀雄・片桐 浩
藪田 肇・国分 守信

JAERI-Mレポートは、日本原子力研究所が不定期に公刊している研究報告書です。
入手の問い合わせは、日本原子力研究所技術情報部情報資料課（〒319-11茨城県那珂郡東海村）あて、お申しこしてください。なお、このほかに財団法人原子力弘済会資料センター（〒319-11茨城県那珂郡東海村日本原子力研究所内）で複写による実費頒布をおこなっております。

JAERI-M reports are issued irregularly.
Inquiries about availability of the reports should be addressed to Information Section, Division of Technical Information, Japan Atomic Energy Research Institute, Tokai-mura, Naka-gun, Ibaraki-ken 319-11, Japan.

©Japan Atomic Energy Research Institute, 1983

編集兼発行 日本原子力研究所
印 刷 いばらき印刷機

JAERI-M 83-071

東海研究所気象観測年報（1979年～1981年）

日本原子力研究所東海研究所保健物理部

小畑 一一・小林 秀雄・片桐 浩

藪田 肇・国分 守信

（1983年4月13日受理）

本報告は、東海研究所で行っている気象観測の結果について統計処理したものである。
1979年1月から1981年12月までの各月における風向、風速、気温、日射、放射収支の時間、日、
月の各平均と標準偏差および降水量の総量を示す。

JAERI-M83-071

Report of Meteorological Observations
on the Site of Tokai Research Establishment from 1979 to 1981

Kazuichi OBATA ,Hideo KOBAYASHI ,Hiroshi KATAGIRI

Hajimu YABUTA and Morinobu KOKUBU

Department of Health Physics,

Tokai Research Establishment,JAERI

(Received April 13, 1983)

Results of meteorological observations such as wind speeds,wind directions,solar and net radiations,air temperatures on the site of Tokai Research Establishment from 1979 to 1981 are summarized in the form of meteorological statistics in this report.

Hourly data(mean of 10 minutes of each hour) are calculated to obtain daily means of all observation items,monthly frequency distribution of wind speeds,atmospheric stabilities by wind directions and hourly means of wind speed in a month etc.

Keywords: Annual Report, Wind Direction, Wind Speed, Meteorological Observation,Meteorological Statistics, Atmospheric Stability, Tokai-Site

目 次

1. まえがき	1
2. 測 器	1
3. データ整理方法および要素の定義	2
4. 統計結果 (1979年)	5
4.1 年間統計結果	5
4.2 月間統計結果	11
5. 統計結果 (1980年)	47
5.1 年間統計結果	47
5.2 月間統計結果	53
6. 統計結果 (1981年)	89
6.1 年間統計結果	89
6.2 月間統計結果	95

目 次

1. まえがき	1
2. 測 器	1
3. データ整理方法および要素の定義	2
4. 統計結果 (1979年)	5
4.1 年間統計結果	5
4.2 月間統計結果	11
5. 統計結果 (1980年)	47
5.1 年間統計結果	47
5.2 月間統計結果	53
6. 統計結果 (1981年)	89
6.1 年間統計結果	89
6.2 月間統計結果	95

1. ま え が き

東海研究所では構内の気象観測塔（地上40m）、露場などにおいて気象観測を行っている。これらの観測値は連続記録されるとともに、放射線監視装置により10分毎に収集され磁気テープに記録される。本年報では1979年1月から1981年12月までの正時前10分間の値について電子計算機により統計処理したものをまとめた。

Table X. 1-1 ^(注1)	月別欠測回数
Table X. 1-2	年間風向頻度 (%)
Table X. 1-3	月平均及び総量
Table X. 1-4	大気安定度年間出現頻度 (%)
Table X. 1-5	月及び年間極値
Table X. 2-YA ^(注2)	気温、湿度、日射、放射収支、風速の日・月平均および降水量の日・月総量
Table X. 2-YB	月間風向頻度 (%)
Table X. 2-YC	風速、気温、湿度、気温減率、大気安定度比、日射、放射収支の時刻平均と標準偏差
Table X. 2-YD	月間風向別大気安定度出現頻度
Table X. 2-YE	月間風速階級別風向頻度

またTable X. 1-2, 3, 4に対応する図 (Fig. X. 1-1 ~ 6) も掲げた。

2. 測 器

(1) 風向・風速	プロペラ型風向風速計
(2) 気温・気温差	白金温度計
(3) 湿度	Dewcel 露点計により得られた露点温度と1.5m気温から計算により求めた。
(4) 日射	差温熱電推日射計
(5) 放射収支	通風式風防型示差放射計
(6) 降水量	転倒ます型雨量計

注1) Xについては4が1979年、5が1980年、6が1981年に対応する。

注2) Yについては1~12で月に対応する。

1. ま え が き

東海研究所では構内の気象観測塔（地上40m）、露場などにおいて気象観測を行っている。これらの観測値は連続記録されるとともに、放射線監視装置により10分毎に収集され磁気テープに記録される。本年報では1979年1月から1981年12月までの正時前10分間の値について電子計算機により統計処理したものをまとめた。

Table X. 1-1 ^(注1)	月別欠測回数
Table X. 1-2	年間風向頻度 (%)
Table X. 1-3	月平均及び総量
Table X. 1-4	大気安定度年間出現頻度 (%)
Table X. 1-5	月及び年間極値
Table X. 2-YA ^(注2)	気温、湿度、日射、放射収支、風速の日・月平均および降水量の日・月総量
Table X. 2-YB	月間風向頻度 (%)
Table X. 2-YC	風速、気温、湿度、気温減率、大気安定度比、日射、放射収支の時刻平均と標準偏差
Table X. 2-YD	月間風向別大気安定度出現頻度
Table X. 2-YE	月間風速階級別風向頻度

またTable X.1-2, 3, 4に対応する図 (Fig.X. 1-1~6) も掲げた。

2. 測 器

(1) 風向・風速	プロペラ型風向風速計
(2) 気温・気温差	白金温度計
(3) 湿度	Dewcel 露点計により得られた露点温度と1.5m気温から計算により求めた。
(4) 日射	差温熱電推日射計
(5) 放射収支	通風式風防型示差放射計
(6) 降水量	転倒ます型雨量計

注1) Xについては4が1979年, 5が1980年, 6が1981年に対応する。

注2) Yについては1~12で月に対応する。

3. データ整理方法および要素の定義

(1) データ整理方法

環境放射線監視装置により自動収集記録された10分毎の観測データを、Table 3.1の様式で磁気テープに再編集し、統計解析に使用した。

(2) 要素の定義

各要素の定義をTable 3.2及びTable 3.3に示す。

(3) その他

本年報作成用統計プログラム(KAN)で、大気安定度分類のためのパラメータ(放射収支量に関する)を気象指針で示される値に変更した。このため従来の(1978年以前)大気安定度関係の統計結果でD₂, E, F, Gの値に多少の差が生じるが、実用上問題はない。参考のため、大気安定度年間出現頻度について変更前と変更後の比較を行い、結果をTable 3.4に示した。

Table 3.1 観測値の収集方法

要素	単位	収集方法	要素	単位	収集方法
風向	16方位	正時前10分間平均	日射	Cal/cm ² •min	正時前10分間平均
風速	m/s	〃	放射収支	〃	〃
気温	℃	正時の瞬時値	降水量	mm	正時前1時間積算
気温差	〃	〃	露点温度	℃	正時の瞬時値

Table 3.2 要素の定義

要素	定義	単位
静穏 (Calm)	風速が0.4 m/s 以下	—
気温 (Temperature)	地上 1.5 m の値	℃
気温減率 (Lapse rate)	$[(\text{気温 } 40 \text{ m}) - (\text{気温 } 1.5 \text{ m})] \times 100 / 38.5$	℃ / 100 m
大気安定度 (Atmos. stability)	Table 3.3 を参照	—
安定度比 (Stability ratio)	$(\text{気温減率}) / (\text{風速})^2 \cdot 10 \text{ m}$	℃ / 100 m • (m/s) ²
日射 (Solar radiation)	1月～3月 } 8時～16時 9月～12月 } 4月, 5月 } 7時～17時 7月, 8月 } 6月 7時～18時	Cal/cm ² • hr 又は Cal/cm ² • day
放射収支 (Net radiation)	日射の残りの時間帯	〃

Table 3.3 大気安定度の定義

日射(放射収支) cal/cm ² ・min 風速 10m高(m/s)	昼 間				夜 間		
	≥0.8	0.8~0.4	0.4~0.2	≤0.2	<0.03	0.03~0.06	≥0.06
≤1.9	A	A-B	B	D	D	G	G
2.0 ~ 2.9	A-B	B	C	D	D	E	F
3.0 ~ 3.9	B	B-C	C	D	D	D	E
4.0 ~ 5.9	C	C-D	D	D	D	D	D
≥6.0	C	D	D	D	D	D	D

Table 3.4 大気安定度分類用パラメータ変更による大気安定度年間出現頻度(%)の比較

大気安定度		A	A-B	B	B-C	C	C-D	D ₁	D ₂	E	F	G
統計年												
1976年	修正前	1.6	7.5	10.4	2.6	5.9	1.6	11.5	17.5	4.2	7.3	29.9
	修正後	1.6	7.5	10.4	2.6	5.9	1.6	11.5	23.1	4.0	5.2	26.7
1977年	修正前	1.8	8.6	10.2	2.1	5.6	2.0	10.1	13.9	4.0	4.8	36.8
	修正後	1.8	8.5	10.2	2.1	5.6	2.0	10.1	19.8	3.4	3.5	32.7
1978年	修正前	2.7	10.2	10.3	2.0	5.3	1.5	8.8	10.3	2.8	4.5	41.6
	修正後	2.7	10.3	10.3	2.0	5.4	1.0	8.8	14.3	2.6	3.5	39.1

4. 統計結果 (1979年)

4.1 年間統計結果

- (a) 風 向 冬期は北西風、夏期は北東から北北東の風が卓越して吹いている。20 m 高における1月から3月までのデータは欠測回数が多いため統計処理時に欠測とした。
- (b) 風 速 年平均風速は10m高が1.7 m/s, 20 m高が2.5 m/s, 40 m高が3.7 m/sとなっている。風速は春及び秋に大きく夏及び冬に小さい傾向がある。20 m高の2月データは欠測回数が多いため統計処理時に欠測とした。
- (c) 気 温 年平均気温は14.9度と過去15年間で最も高い値を記録した。月平均気温も全年を通して1度から3度高くなっている。
- (d) 湿 度 年平均湿度は72.7%であった。
- (e) 降水量 年降水量は1446 mmで例年より多い。特に5月、10月はそれぞれ低気圧通過に伴う大雨と台風20号の影響で例年より多雨となっている。
- (f) その他
- | | |
|------|------|
| 真冬日 | 0日 |
| 冬 日 | 50日 |
| 真夏日 | 23日 |
| 夏 日 | 73日 |
| 降雨日数 | 128日 |

真冬日 : 最高気温が0℃未満の日

冬 日 : 最低気温が0℃未満の日

真夏日 : 最高気温が30℃以上の日

夏 日 : 最高気温が25℃以上の日

降雨日数 : 日積算降水量が0.5 mm以上の総日数

1979年

Table 4.1-1 月別欠測回数

要素	月測高(m)	欠測回数												年間(%)
		1	2	3	4	5	6	7	8	9	10	11	12	
風向	10	1	5	12	12	4	10	6	4	0	10	1	4	69 (0.8)
	20	209	577	115	12	4	10	6	2	0	10	1	4	950 (10.8)
	40	1	6	14	12	4	10	6	2	0	10	1	4	70 (0.8)
風速	10	0	5	14	14	4	10	6	5	1	10	1	4	74 (0.8)
	20	208	577	112	14	4	10	7	3	1	10	1	4	951 (10.9)
	40	0	5	13	13	37	10	6	3	3	11	1	4	106 (1.2)
H射	-	0	5	27	49	4	10	7	2	0	9	0	2	115 (1.3)
放射収支	1.5	0	1	32	25	0	0	4	0	0	1	1	2	66 (0.8)
気温	1.5	0	5	87	49	4	1	14	5	0	10	1	4	180 (2.1)
降水量	-	0	3	0	77	37	5	7	0	0	9	0	0	138 (1.6)
湿度	1.5	14	20	88	78	40	27	62	19	25	11	24	63	471 (5.4)

Table 4.1-2 年間風向頻度(%)

風向測高(m)	Calm	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
	10	14.2	12.3	9.1	4.9	2.5	2.4	2.3	2.8	3.7	2.2	4.3	3.3	4.4	9.4	14.5	4.1
20	5.3	10.0	10.1	5.1	2.8	2.3	2.0	3.9	2.8	2.5	4.9	4.5	7.8	12.0	13.3	5.2	5.4
40	1.9	10.7	11.4	4.8	3.4	2.4	3.1	4.7	2.3	3.0	5.0	3.5	5.3	9.1	16.9	7.4	5.0

Table 4.1-3 月間平均および総量

1979年

要素	測高(m)	月												年平均
		1	2	3	4	5	6	7	8	9	10	11	12	
静	10	12.5	14.8	15.6	10.9	12.2	17.6	12.7	16.2	15.3	10.5	11.5	20.1	14.2
	20	-	-	-	3.8	5.0	10.7	8.0	8.5	8.1	4.2	4.2	5.4	6.4
	40	1.5	1.8	0.5	1.6	1.8	3.8	3.4	2.6	2.9	1.1	0.6	1.6	1.9
風速	10	1.3	1.6	1.7	2.3	2.0	1.7	1.8	1.7	1.9	2.0	1.7	1.1	1.7
	20	2.0	-	2.6	3.2	2.7	2.3	2.3	2.4	2.5	2.7	2.5	1.8	2.5
	40	3.9	3.8	4.1	4.4	3.9	3.2	3.1	3.3	3.6	4.2	4.0	3.3	3.7
日射	-	227	250	348	378	408	332	297	303	295	265	188	213	292
放射収支	1.5	-92	-72	-81	-55	-33	-22	-23	-22	-21	-32	-32	-47	-44
気温	1.5	4.2	6.7	7.0	12.9	16.5	21.9	23.1	25.6	22.3	18.1	13.1	7.4	14.9
降水量	-	51.0	119.5	42.5	63.5	236.5	74.0	170.5	46.0	154.0	306.5	148.0	34.0	1446.0
湿度	1.5	64.0	69.1	60.6	61.0	72.3	78.7	81.4	84.9	78.7	76.7	76.0	69.2	72.7

Table 4.1-4 大気安定度年間出現頻度(%)

安定度	A	A-B	B	B-C	C	C-D	D ₁	D ₂	E	F	G
頻度(%)	1.9	9.5	10.7	2.1	3.9	1.2	11.6	22.8	2.6	2.1	31.7

Table 4.1 - 5 極 値

1979年

要素	測高 (m)	月		日												年間
		項目	1	2	3	4	5	6	7	8	9	10	11	12		
風速 (m/s)	10	瞬間最大	11.0	14.9	10.9	20.0	16.6	9.1	12.0	11.1	12.2	20.6	16.1	11.0	20.6	
		出現時	18 23:05	6 9:50	25 17:40	27 9:25	15 14:05	27 16:20	15 19:25	27 11:50	28 14:15	19 14:45	11 7:30	11 12:35	10月19日 14:45	
	20	瞬間最大	10.8	-	14.0	24.1	20.7	12.1	15.0	14.6	14.1	22.5	19.1	16.1	24.1	
		出現時	19 0:20	-	25 16:15	27 9:10	15 14:05	27 9:00	15 19:30	27 15:15	29 13:10	19 14:45	11 7:30	11 12:10	4月27日 9:10	
氣温 (°C)	40	瞬間最大	20.5	19.8	19.8	27.1	23.4	13.1	15.0	16.4	15.1	25.1	21.2	16.1	27.1	
		出現時	18 23:05	6 9:50	25 17:20	27 9:10	15 15:00	27 16:30	15 19:30	27 15:15	29 13:10	19 14:45	11 7:30	11 12:10	4月27日 9:10	
	1.5	瞬間最高	17.0	19.0	16.5	26.4	27.2	33.0	32.8	34.5	32.5	34.0	23.6	18.6	34.5	
		出現時	9 13:10	21 15:10	10 13:50	24 11:50	28 13:00	23 13:40	31 10:50	2 13:50	5 12:00	1 13:10	2 12:20	5 13:10	8月2日 13:50	
	1.5	瞬間最低	-6.5	-2.8	-3.9	0.3	5.2	11.6	16.3	18.8	15.0	8.0	1.6	-1.6	-6.5	
		出現時	20 4:00	3 5:30	2 6:10	18 4:50	13 4:50	1 4:20	5 4:40	31 5:00	12 5:10	23 5:10	15 2:20	1月20日 4:00		
降水量 (mm)	-	日平均最高	9.6	11.3	11.7	18.9	21.4	26.9	27.5	28.8	25.7	26.4	19.4	13.1	28.8	
		出現日	10	21	10	24	28	23	31	2	5	1	5	6	8月2日	
	-	日平均最低	0.2	2.7	2.7	8.1	12.9	17.9	19.3	21.5	17.9	13.4	7.6	4.3	0.2	
		出現日	13,20	3	2	5	1	14	14	30	28	23	14	28	1月13,20日	
-	-	時總量最大	8.5	4.5	15.5	4.0	22.0	8.0	27.5	5.5	15.0	58.5	19.0	2.5	58.5	
		出現時	30 9	26 22	24 23	8 23	15 2	30 1	25 19	12 7	30 12	18 1	29 1	23 23	10月18日 1時	
	-	日總量最大	39.0	22.0	32.0	17.5	94.0	21.5	43.5	14.0	60.5	104.0	27.5	15.5	104.0	
		出現日	30	6	24	27	8	29	25	30	30	18	29	24	10月18日	
-		月總量最大	306.5 mm												10月	

1979年

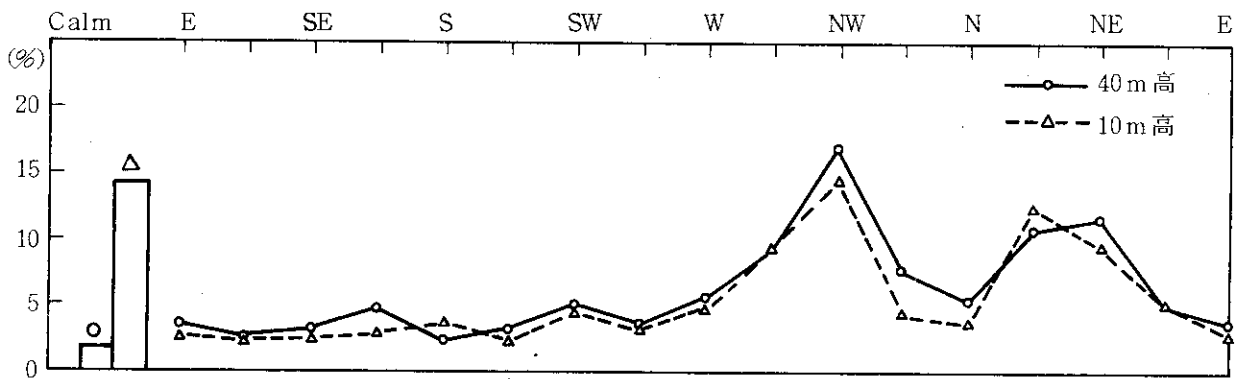


Fig. 4.1-1 年間風向頻度

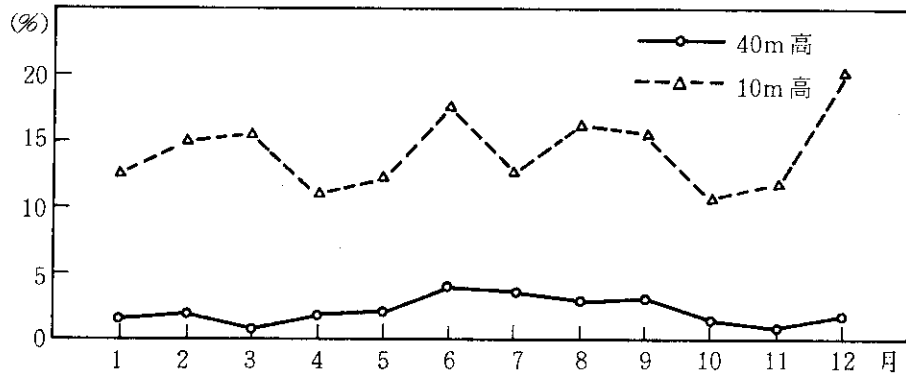


Fig. 4.1-2 月別静穩出現頻度

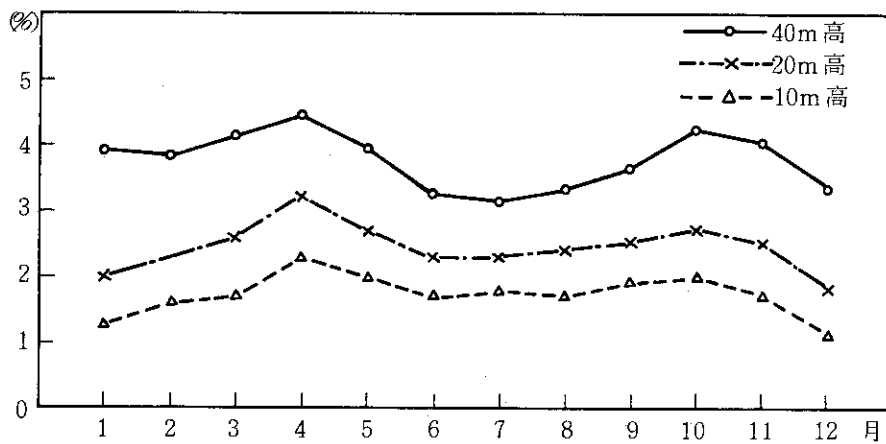


Fig. 4.1-3 月平均風速

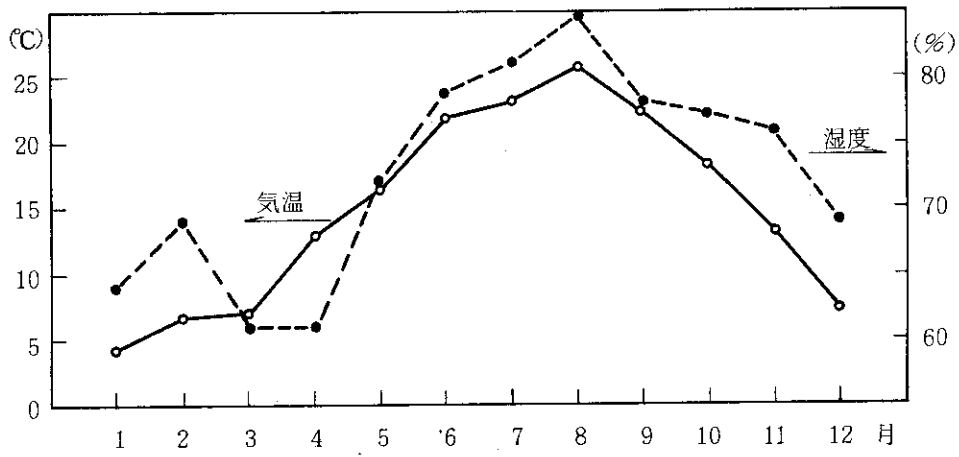


Fig. 4.1-4 月平均気温・湿度

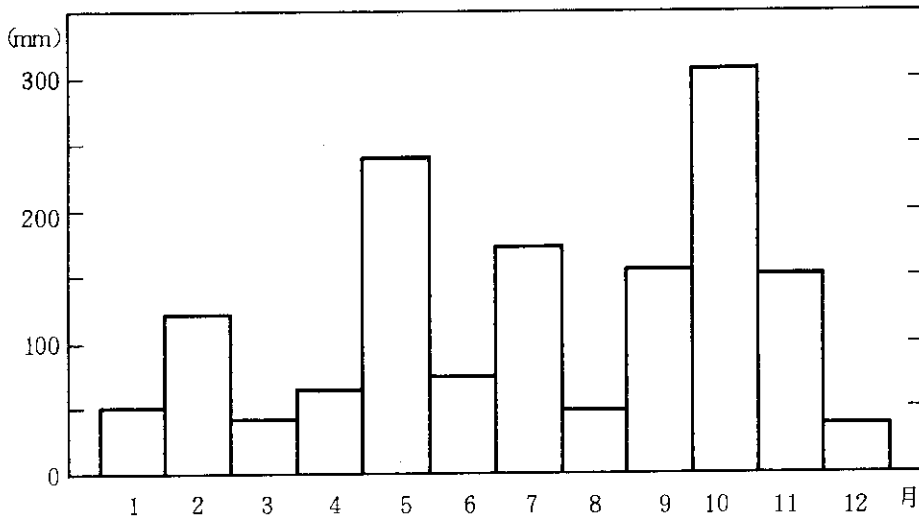


Fig. 4.1-5 月間降水量

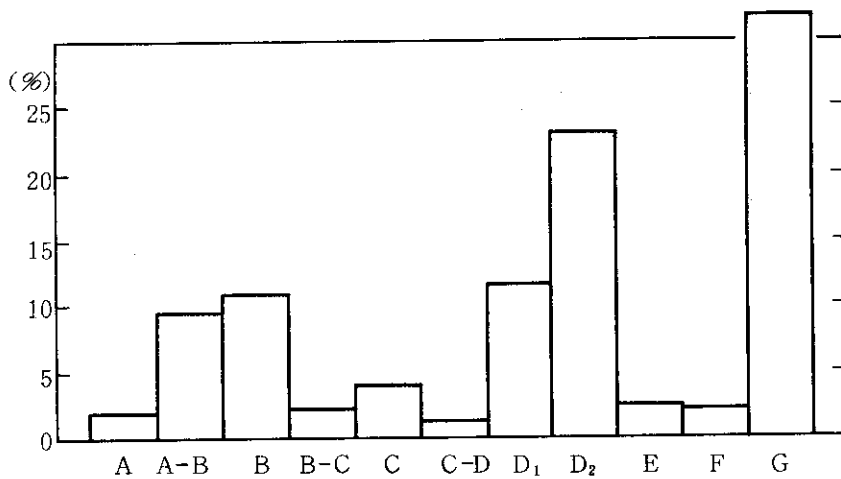


Fig. 4.1-6 大気安定度年間出現頻度

TOKAI-40 1 / 1979

4.2 月間統計結果

TABLE 4.2-1A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		WIND		WIND	
						SPD(10) M/S	DIR	SPD(20) M/S	DIR	SPD(40) M/S	DIR
1	3.3	56.5	0.0	256.2	-91.8	1.0	**	**	**	3.1	
2	4.4	53.2	0.0	259.8	-111.0	1.4	**	**	**	4.1	
3	2.8	68.4	0.0	174.0	-100.8	0.7	**	**	**	3.0	
4	5.1	62.9	0.0	251.4	-107.4	1.1	**	**	**	3.4	
5	6.2	69.2	0.0	166.8	-82.8	1.0	**	**	**	3.4	
6	5.3	53.0	0.0	261.6	-126.6	1.6	**	**	**	3.9	
7	3.3	82.8	0.0	76.2	-69.0	1.5	**	**	**	4.7	
8	6.1	77.6	0.5	252.6	-70.8	1.1	**	**	**	3.5	
9	9.0	70.6	0.0	243.0	-83.4	1.6	**	**	**	3.8	
10	9.6	75.3	0.0	214.2	-75.6	1.2	1.8	1.8	3.4	3.4	
11	6.1	52.4	0.0	203.4	-58.2	1.6	2.0	2.0	4.6	4.6	
12	4.8	56.1	0.0	202.8	-27.0	1.3	1.6	1.6	3.5	3.5	
13	0.2	91.6	3.5	73.8	-40.8	0.8	1.4	1.4	3.2	3.2	
14	0.3	69.9	0.5	280.2	-93.6	0.9	1.6	1.6	3.5	3.5	
15	1.8	63.4	0.0	259.2	-114.6	0.9	1.8	1.8	3.6	3.6	
16	2.1	57.5	0.0	297.0	-134.4	1.0	1.6	1.6	3.7	3.7	
17	2.9	63.6	0.0	272.4	-118.8	1.2	1.9	1.9	3.9	3.9	
18	3.8	70.2	0.0	109.8	-93.0	1.3	2.0	2.0	4.2	4.2	
19	0.8	51.4	0.0	268.2	-151.2	1.4	2.0	2.0	4.0	4.0	
20	0.2	60.0	0.0	294.0	-130.8	0.9	1.6	1.6	3.3	3.3	
21	3.6	59.2	0.0	279.0	-120.0	1.4	2.6	2.6	4.4	4.4	
22	1.7	46.5	0.0	301.8	-131.4	1.1	1.7	1.7	3.9	3.9	
23	4.1	51.6	0.0	282.0	-96.6	1.0	1.9	1.9	3.6	3.6	
24	4.7	59.0	0.0	290.4	-115.8	1.1	1.7	1.7	3.9	3.9	
25	3.8	64.3	0.0	166.8	-79.8	0.8	1.3	1.3	3.2	3.2	
26	7.9	53.1	0.0	290.4	-61.8	1.1	1.9	1.9	3.5	3.5	
27	6.4	58.3	0.0	280.8	-103.8	1.7	2.4	2.4	4.6	4.6	
28	2.2	43.5	0.0	319.8	-136.2	1.5	2.1	2.1	4.6	4.6	
29	2.0	60.4	0.5	226.8	-70.2	2.0	2.7	2.7	4.4	4.4	
30	8.4	90.8	39.0	91.2	-37.2	2.2	3.4	3.4	5.6	5.6	
31	7.9	82.1	7.0	105.0	-19.2	2.5	3.3	3.3	4.9	4.9	
MONTH	4.2	64.0	51.0	227.4	-92.1	1.3	2.0	2.0	3.9	3.9	
LACK	0	14	0	0	0	1	209	1			

TABLE 4.2-1B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION.

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	12.5	6.6	3.1	1.2	0.9	1.3	0.4	0.8	0.8	2.4	4.0	3.9	6.6	20.0	27.4	5.2	2.7
20M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40M	1.5	6.7	2.7	2.0	0.8	1.7	0.8	0.7	0.8	2.8	3.9	4.4	7.7	19.6	32.5	6.7	4.6

TOKAI-40 1 / 1979

TABLE 4.2-1C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
HE																									
10M																									
MEAN	1.0	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.5	1.6	1.8	1.8	2.0	1.9	1.7	1.3	1.0	1.1	1.1	1.1	1.2	1.1	1.2	1.1	1.2
SIGMA	0.9	0.6	0.7	0.7	0.6	0.6	0.8	0.7	0.9	0.9	0.8	0.9	0.9	1.1	0.9	0.9	0.8	0.9	0.8	0.9	0.9	1.0	0.8	0.9	0.9
20M																									
MEAN	1.7	1.6	1.7	1.5	1.5	1.7	2.0	1.8	2.2	2.2	2.5	2.5	2.9	2.7	2.5	2.2	1.8	2.0	1.9	2.0	1.9	2.0	1.9	2.0	
SIGMA	1.3	0.9	1.0	0.8	0.9	0.9	1.2	1.2	1.4	1.2	1.1	1.3	1.1	1.5	1.5	1.2	1.2	1.1	1.0	1.3	1.3	1.2	1.1	1.2	
40M																									
MEAN	4.1	4.0	4.3	4.1	4.4	4.3	4.7	4.0	3.5	3.3	3.5	3.2	3.8	3.6	3.5	3.2	3.3	4.0	4.0	3.9	3.9	4.2	4.2	4.3	
SIGMA	1.5	1.4	1.4	1.2	1.2	1.1	1.4	1.3	1.8	1.7	1.8	1.7	1.6	1.9	1.8	1.7	1.5	1.7	1.4	1.4	1.2	1.3	1.9	1.6	
TEMPERATURE																									
TURE																									
MEAN	0.9	0.6	0.4	0.1	-0.1	-0.1	0.0	1.5	4.2	6.6	8.3	9.4	9.9	9.8	9.6	8.9	7.2	5.9	4.9	4.0	3.1	2.5	2.0	1.5	
SIGMA	3.1	3.2	3.1	3.0	3.2	3.6	3.8	3.4	3.0	3.2	3.4	3.6	3.8	3.7	3.5	3.2	3.0	2.8	2.9	3.0	3.2	3.3	3.4	3.2	
HUMIDITY																									
MEAN	72.9	73.7	74.2	75.0	75.8	75.2	75.0	70.8	61.7	53.0	48.9	48.3	47.1	48.4	48.9	52.0	58.6	59.2	63.0	64.1	68.3	70.4	71.7	73.2	
SIGMA	15.6	14.9	15.6	15.7	13.7	13.9	14.2	13.9	14.2	15.9	15.8	17.2	18.3	18.5	18.7	16.5	16.1	15.7	14.8	14.1	14.1	14.4	14.4	15.6	
LAPSE																									
RATE																									
MEAN	5.1	5.2	4.5	5.2	5.1	4.6	3.9	1.1	-1.8	-2.6	-2.7	-2.7	-2.4	-1.8	-1.3	-0.0	2.8	3.5	3.7	3.7	4.9	5.1	4.6	4.6	
SIGMA	4.8	4.7	3.9	4.8	4.5	4.1	4.1	3.1	1.4	1.0	0.9	0.9	0.7	0.6	0.6	1.4	3.8	4.5	4.1	3.8	4.7	5.5	5.1	5.0	
STABIL-																									
RATIO																									
MEAN	1.8	2.2	3.2	1.7	2.4	2.4	1.5	0.0	-0.8	-1.0	-0.8	-1.0	-0.6	-0.6	-0.4	-0.2	0.4	1.3	2.6	2.2	**	2.3	1.8	1.7	
SIGMA	2.6	2.6	3.6	2.3	2.9	3.4	2.0	1.0	1.0	0.6	0.5	0.8	0.5	0.6	0.3	0.3	1.0	2.6	4.0	3.3	**	4.9	3.1	3.1	
RADIA-																									
TION																									
MEAN	-6.1	-6.3	-6.3	-6.4	-6.3	-6.4	-5.7	12.0	22.9	31.9	37.2	38.8	35.4	26.0	16.3	6.9	-5.7	-5.9	-6.2	-6.3	-6.1	-6.1	-6.1	-6.3	
SIGMA	3.2	3.1	3.0	3.0	3.1	3.0	2.9	3.8	7.9	11.6	13.8	14.0	14.1	10.7	6.7	2.5	2.9	3.0	2.6	2.6	2.6	3.0	3.1	3.1	

TABLE 4.2-1D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK
A	2							1						1				
A-B	78	1				1	2	2	2	6	6	5	13	19	12	7	2	
B	94	2	2	2		3	4	4	1	3	8	11	7	19	21	8	3	
B-C	11	2	3	1							2	1	1	1	1			
C	13	3	1	1							3	1	1	2	1		1	
C-D	2							2										
D1	79	8	6	2	4	5	1	1	2	5	7	4	4	14	15	2	3	
D2	54	15	7			2	1		2	1	1	1	1	5	17	2		
E	10	3		1											6			
F	12	4													5			
G	388	12	4	4	2	1	1	1	1	8	11	10	31	104	152	33	14	
LACK	1					1												

TOKAI-40 1 / 1979

TABLE 4.2-1E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	93																			
0.5-0.9		5	2	1	4	2	1	1	2	9	6	11	24	56	83	13	9	0	93	
1.0-1.9		16	5	2	5	1	1	4	2	8	15	9	22	74	91	18	8		229	
2.0-2.9		14	5	4	1	1	1	1	2	1	6	7	3	17	21	8	3		280	
3.0-3.9		13	7	1	1	2					3	2		2	5				93	
4.0-4.9		1	4	1					2						4				36	
5.0-5.9																			12	
6.0-6.9																			0	
7.0-7.9																			0	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	93	49	23	9	7	10	3	6	6	18	30	29	49	149	204	39	20	0	744	
20M																				
-0.4	0																			
0.5-0.9																			18	18
1.0-1.9																			72	72
2.0-2.9																			193	193
3.0-3.9																			151	151
4.0-4.9																			53	53
5.0-5.9																			32	32
6.0-6.9																			14	14
7.0-7.9																			2	2
8.0-8.9																			0	0
9.0-9.9																			0	0
10.0-																			0	0
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	209	209
TOTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	744	744
40M																				
-0.4	11																			
0.5-0.9		2	1	2	2	2	1	1		2	1	4	9	17	5	2	1	0	11	11
1.0-1.9		4	2	2	2	3	1	2	1	6	4	13	11	39	22	8	4		47	47
2.0-2.9		11	5	3	5	2	2		4	10	7	8	16	49	47	13	9		133	133
3.0-3.9		15	4	5	1				1	2	6	3	15	34	100	9	8		182	182
4.0-4.9		11	3	1		1	1	1		1	2	4	3	14	45	13	10		206	206
5.0-5.9		7	4			1	1			1	1	1	1	1	12	4	2		101	101
6.0-6.9						1	1	1			1	1		1	4	1			31	31
7.0-7.9															3	1			11	11
8.0-8.9															2				3	3
9.0-9.9															2				5	5
10.0-															0				0	0
LACK		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	11	50	20	15	6	13	6	5	6	21	29	33	57	146	242	50	34	0	744	744

TOKAI-40 2 / 1979

TABLE 4.2-2A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SCCM/DAY	NET RAD. CAL/SCCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	10.6	90.4	6.0	64.8	-19.8	1.2	1.7	2.8
2	5.0	55.1	0.0	243.6	-93.6	1.7	3.0	4.9
3	2.7	69.5	0.0	222.0	-110.4	0.7	**	2.7
4	5.0	70.4	0.0	298.2	-126.6	1.5	**	4.3
5	3.3	60.4	1.5	202.2	-58.2	1.9	**	4.4
6	6.1	76.9	22.0	186.0	-68.4	1.9	**	5.0
7	5.3	59.5	0.0	339.0	-84.6	1.1	**	3.4
8	5.2	66.8	28.0	224.8	-91.2	1.6	**	3.6
9	4.7	61.6	0.0	358.8	-89.4	0.8	**	2.5
10	7.7	78.0	4.0	183.6	-22.2	0.8	**	2.9
11	9.4	75.1	1.5	343.2	-68.4	1.2	**	3.4
12	6.2	64.0	0.0	355.2	-122.4	0.9	**	2.3
13	7.9	64.2	0.0	354.0	-79.2	1.4	**	3.7
14	9.7	83.8	1.5	125.4	-45.6	0.9	**	2.7
15	5.9	63.0	0.0	141.6	-107.4	1.9	**	4.5
16	4.9	54.6	0.0	379.2	-127.8	1.1	**	2.8
17	6.5	80.6	7.0	129.6	-43.2	2.0	**	4.3
18	6.9	59.1	3.0	397.8	-97.2	1.8	**	4.8
19	5.1	51.3	0.0	394.8	-123.0	2.1	**	4.9
20	5.8	61.6	0.0	322.2	-94.8	0.9	**	2.7
21	11.3	64.9	0.0	349.8	-73.8	1.7	**	4.3
22	10.6	60.8	0.0	319.8	-45.0	2.6	**	5.1
23	8.4	80.5	16.5	77.4	-9.0	3.1	**	5.5
24	8.4	76.8	12.0	133.9	-32.4	1.9	**	4.4
25	6.7	70.6	0.0	256.8	-46.8	2.8	**	5.1
26	6.8	82.7	16.0	63.6	-16.8	1.9	**	4.1
27	5.5	84.3	0.5	174.6	-52.2	1.3	2.2	3.5
28	4.7	69.3	0.0	307.8	-81.6	0.9	1.7	3.2
MONTH	6.7	69.1	119.5	250.1	-72.4	1.6	**	3.8
LACK	5	20	3	5	1	5	577	6

TABLE 4.2-2B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	14.8	11.9	6.6	2.3	1.5	2.1	1.9	0.8	0.9	0.9	1.8	2.2	7.3	10.8	23.5	5.4	5.2
20M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40M	1.8	11.7	7.0	1.9	2.7	1.9	2.2	0.9	0.7	0.6	2.4	3.6	6.6	16.6	22.3	10.0	6.7

TOKAI-40 2 / 1979

TABLE 4.2-2C. HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=10M																								
MEAN	1.1	1.1	1.0	0.9	1.0	0.8	0.9	1.2	1.8	2.3	2.3	2.3	2.4	2.2	2.3	2.0	1.9	1.7	1.6	1.4	1.3	1.2	1.3	1.2
SIGMA	0.8	0.9	0.7	0.6	0.6	0.7	0.6	0.9	1.3	1.4	1.4	1.2	1.2	1.1	1.3	1.2	1.3	1.3	1.2	1.0	1.0	1.1	1.0	0.8
H=20M																								
MEAN	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SIGMA	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
H=40M																								
MEAN	3.7	3.5	3.6	3.6	3.5	3.6	3.4	3.2	3.4	4.2	4.1	4.0	4.3	4.1	4.1	3.9	4.4	4.2	4.0	4.0	3.7	3.8	4.0	3.8
SIGMA	1.5	1.7	1.2	1.1	1.2	1.3	1.1	1.5	2.2	2.7	2.5	2.1	2.1	2.2	2.5	2.3	2.0	1.9	1.9	1.4	1.5	1.5	1.8	1.5
TEMPERATURE																								
MEAN	4.2	3.9	3.5	3.4	3.1	2.8	3.1	5.1	7.4	8.7	9.9	10.5	10.6	10.7	10.7	10.3	9.3	8.2	7.5	6.8	6.0	5.4	4.8	4.4
SIGMA	3.2	3.2	3.5	3.7	3.7	3.7	3.7	3.1	2.8	2.5	2.5	2.7	2.7	2.9	2.8	2.7	2.5	2.6	2.7	2.9	2.9	3.2	3.1	3.3
HUMIDITY																								
MEAN	77.3	77.9	80.3	80.9	80.9	81.8	81.8	73.8	67.1	58.0	54.6	54.1	56.0	55.7	57.0	59.9	63.4	65.5	65.3	68.1	70.6	71.8	73.6	75.0
SIGMA	14.8	13.2	12.8	13.1	12.3	11.0	10.4	12.5	15.9	20.4	21.0	20.0	19.3	21.2	19.5	18.5	18.1	15.6	16.4	16.2	16.7	16.0	14.6	14.5
LAPSE RATE																								
MEAN	3.0	3.0	3.3	2.8	3.4	4.0	2.7	-0.6	-2.0	-2.5	-2.6	-2.6	-2.3	-2.0	-1.6	-1.0	0.1	1.2	2.1	2.1	2.5	2.8	2.7	3.4
SIGMA	5.2	4.6	5.2	3.6	4.0	4.2	3.9	1.8	1.0	1.1	0.9	0.8	0.7	0.7	0.8	0.8	1.5	3.3	4.2	3.8	3.8	4.0	4.2	5.1
STABIL. RATIO																								
MEAN	0.4	0.8	0.3	0.5	2.8	**	1.0	-0.6	-0.9	-1.0	-0.8	-0.7	-0.6	-0.6	-0.4	-0.3	0.1	0.6	0.1	0.2	1.3	0.8	0.8	1.1
SIGMA	1.1	2.4	1.3	1.5	4.3	**	2.2	0.8	0.9	1.0	0.7	0.8	0.6	0.5	0.4	0.4	0.6	2.1	0.7	0.6	2.9	2.0	2.8	2.8
RADIATION																								
MEAN	-4.5	4.5	4.2	4.8	4.8	4.6	-2.7	13.8	26.0	35.4	41.0	39.8	34.8	28.6	21.0	10.3	-4.5	-5.5	-6.0	-5.7	-5.0	-4.9	-5.0	
SIGMA	3.6	3.6	3.5	3.3	3.4	3.3	2.6	7.1	12.0	18.2	19.7	20.6	17.9	15.0	12.1	5.2	3.5	3.4	3.2	3.2	3.3	3.5	3.5	3.7

TABLE 4.2-2D. FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	17				1	2	1	1		1	2	1	1	2	5	1		
A-B	53	1	1	1	6	2	1	1		1	1	4	6	8	15	4	1	
B	62	3	2	2	2	8	1	4		1	1	2	5	13	12	5	2	
B-C	11	2	5															
C	21	3	7	1										1	2			1
C-D	9	1	3	1										1	1	1		
D1	74	21	13	1					1	1	3	6	6	8	10	2	3	
D2	112	31	13	8				1	1	1	3	6	6	7	25	9	11	
E	16	6	1	1							2	2	2	6				
F	21	7	1	1							1	1	1	2	5	1	3	
G	270	8	1	1	9	6	1	1	1	3	5	8	32	49	98	29	19	
LACK	6														1	1		

TOKAI-60 2 / 1979

TABLE 4.2-2E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	MNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	99																		0	99
0.5-0.9		3	1		3	1	1		2	2	3	28	21	55	16	12	12		0	148
1.0-1.9		19	5	4	6	9	6	3	3	5	7	15	40	68	17	16	5			226
2.0-2.9		32	10	5	1	4	6	1	3	2	4	5	7	17	3	3	2			106
3.0-3.9		13	14	4				1	1	1	1	1	3	8	8	2	2		1	49
4.0-4.9		10	10	2					2					6	6					30
5.0-5.9		2	4							1				1	1					8
6.0-6.9															1					1
7.0-7.9																				0
8.0-8.9																				0
9.0-9.9																				0
10.0-																				0
LACK	99	79	44	15	10	14	13	5	6	6	12	15	49	72	157	36	35	5	4	672
TOTL																				
20M		0																		
-0.4																				1
0.5-0.9																				8
1.0-1.9																				36
2.0-2.9																				31
3.0-3.9																				11
4.0-4.9																				11
5.0-5.9																				3
6.0-6.9																				5
7.0-7.9																				0
8.0-8.9																				0
9.0-9.9																				0
10.0-																				0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	577	577
TOTL																				672
40M		12																		0
-0.4																				12
0.5-0.9		1	1	1	3	1	2		2	1	2	2	5	7	19	3	2			11
1.0-1.9		7	4	4	4	6	8	2	3	2	6	15	33	25	16	14	14			53
2.0-2.9		15	4	2	8	6	3	3	2	1	2	4	10	48	31	22	16			145
3.0-3.9		27	10	1	2		1	1	1	3	5	8	10	39	9	7	7			177
4.0-4.9		11	8	5			1		3	3	2	6	6	16	6	4	4			123
5.0-5.9		9	12	3					1	1	1	1	1	6	2	2	1			61
6.0-6.9		6	6	2				1	2	2	2	3	3	5	2	2	1			36
7.0-7.9		2	2	1					2	2	1	1	1	4	2	2	1			29
8.0-8.9																	1			13
9.0-9.9																				3
10.0-																				3
LACK	12	78	47	13	18	13	15	6	5	4	16	24	44	111	149	67	45	5	5	672
TOTL																				

TOKAI-40 3 / 1979

TABLE 4.2-3A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	3.2	59.4	0.0	300.0	-129.0	0.9	1.7	3.1
2	2.7	53.7	0.0	430.8	-140.4	1.3	2.2	4.0
3	4.0	54.6	0.0	420.0	-111.0	1.1	2.1	3.2
4	2.8	73.6	1.0	118.2	-67.2	2.1	3.7	5.2
5	4.5	58.6	0.0	441.6	-117.0	1.3	2.2	3.4
6	7.1	60.9	0.0	369.6	-74.4	1.1	2.0	3.1
7	7.9	53.7	2.0	436.2	-75.0	1.4	2.2	3.5
8	6.8	81.2	0.0	165.6	-70.8	1.0	1.9	3.1
9	8.6	66.0	0.0	436.2	-77.4	1.4	2.2	2.9
10	11.7	77.2	4.0	210.6	-21.6	2.4	3.5	4.5
11	7.5	43.7	0.0	389.4	-89.4	2.4	3.3	6.3
12	4.4	56.0	0.5	413.4	-74.4	1.5	2.4	3.2
13	4.6	75.7	0.0	146.4	-76.8	1.3	2.1	3.5
14	5.3	67.3	2.5	372.0	-65.4	1.1	2.0	2.8
15	7.0	70.4	0.5	420.0	-72.0	2.6	3.7	5.0
16	5.2	53.2	0.0	477.0	-115.8	1.3	2.1	4.0
17	9.0	60.0	0.0	236.4	-41.4	1.3	2.4	3.7
18	7.6	43.0	0.0	411.6	-108.6	1.7	2.6	4.9
19	6.6	60.2	0.0	304.2	-67.2	1.1	2.0	3.0
20	10.7	73.4	0.0	269.4	-39.0	1.3	1.9	2.9
21	7.3	51.5	0.0	279.6	-70.2	3.5	4.6	5.9
22	7.6	53.3	0.0	441.6	-111.0	1.7	2.2	4.6
23	7.7	49.7	0.0	469.2	-93.6	1.3	2.2	3.1
24	11.4	81.7	32.0	64.8	-13.8	2.5	**	5.1
25	10.9	50.0	0.0	529.2	-102.6	2.8	**	6.7
26	8.4	57.5	0.0	327.6	-108.0	1.2	**	3.4
27	9.8	51.8	0.0	404.4	-88.7	1.0	1.6	2.9
28	**	**	0.0	**	-91.6	0.8	1.6	3.2
29	**	**	0.0	459.9	-65.5	1.8	3.4	4.0
30	**	**	0.0	**	**	2.1	4.3	5.0
31	**	**	0.0	**	**	3.4	6.0	8.1
MONTH	7.0	60.6	42.5	347.9	-81.1	1.7	2.6	4.1
LACK	87	88	0	27	32	12	115	14

TABLE 4.2-3B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	15.6	9.4	7.4	2.0	3.1	2.3	3.3	2.2	2.6	2.3	3.8	2.3	3.8	7.8	16.1	10.2	5.7
20M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40M	0.5	8.5	8.3	3.3	4.0	2.7	3.4	3.1	2.5	2.9	3.0	3.8	5.1	9.0	16.1	15.6	8.1

TOKAI-40 3 / 1979

TABLE 4.2- 3C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(CHR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.6	2.1	2.1	2.3	2.4	2.7	2.5	2.5	2.5	2.2	1.7	1.5	1.5	1.3	1.3	1.0	1.1
SIGMA	0.9	0.9	1.1	1.3	1.2	1.2	1.3	1.4	1.6	1.5	1.2	1.3	1.3	1.0	0.9	1.2	1.3	1.3	1.1	0.9	1.1	1.3	1.2	1.3
20M																								
MEAN	2.1	2.0	2.2	2.5	2.3	2.6	2.5	2.4	2.9	3.0	3.0	3.2	3.5	3.5	3.4	3.3	3.0	2.8	2.5	2.6	2.3	2.2	1.9	2.3
SIGMA	1.3	1.3	1.8	1.9	1.5	1.6	1.7	1.9	2.2	1.9	1.4	1.6	1.8	1.6	1.1	1.3	1.3	1.5	1.3	1.3	1.5	1.6	1.9	2.0
40M																								
MEAN	3.5	3.8	4.0	4.2	4.1	4.1	3.8	3.4	3.8	3.9	4.0	4.2	4.5	4.6	4.8	5.3	4.9	4.5	4.3	4.1	4.3	4.2	3.4	3.7
SIGMA	1.7	1.7	1.7	2.0	1.8	1.7	1.7	2.2	2.8	2.7	2.2	2.4	2.3	2.2	2.0	2.6	2.5	2.2	1.9	1.7	1.8	2.3	2.2	2.1
TEMPERA- TURE																								
MEAN	4.6	4.2	3.7	3.3	3.0	2.5	3.5	5.8	8.1	9.4	10.0	10.5	10.9	11.1	11.0	10.6	9.8	8.7	8.0	7.5	6.8	6.2	5.5	4.9
SIGMA	3.9	3.6	3.7	3.8	3.8	3.7	3.3	3.0	2.9	3.0	3.1	2.9	3.0	2.9	2.8	2.9	2.8	2.9	3.2	3.5	3.5	3.8	3.9	3.9
HUMIDITY																								
MEAN	71.0	71.0	71.6	72.8	74.1	76.0	72.9	63.9	54.9	50.5	45.9	46.4	45.9	47.2	48.6	49.4	51.9	57.5	56.0	58.1	61.4	65.4	68.4	71.3
SIGMA	15.5	14.9	14.1	13.4	13.5	14.2	14.2	15.5	15.9	18.0	18.8	18.2	15.7	18.3	18.7	17.6	17.6	15.1	16.4	16.0	16.9	15.1	15.4	14.5
LAPSE																								
RATE	2.3	2.3	2.8	3.1	2.7	2.9	0.4	-1.8	-2.5	-2.8	-2.9	-3.1	-3.0	-2.6	-2.2	-1.8	-0.9	0.2	1.1	1.5	1.4	1.5	1.9	2.4
SIGMA	3.5	3.4	4.0	4.6	3.8	3.2	2.1	0.9	0.8	0.9	0.8	0.6	0.8	0.8	0.9	0.7	0.7	1.4	2.9	3.3	3.2	2.8	2.8	3.5
STABILI- TATION																								
MEAN	**	**	0.3	**	**	1.0	0.0	-0.9	-1.0	-1.0	-0.8	-0.7	-0.5	-0.6	-0.5	-0.5	-0.3	-0.1	0.1	0.3	0.1	1.0	**	**
SIGMA	**	**	0.9	**	**	2.1	1.3	0.9	1.0	1.0	0.6	0.6	0.4	0.5	0.4	0.5	0.3	0.4	0.4	1.6	0.7	1.8	**	**
RADIA- TION																								
MEAN	-5.3	-5.7	-5.7	-6.0	-6.0	-5.7	-0.4	24.0	37.7	46.5	53.0	51.1	48.7	38.9	29.2	18.8	-3.8	-6.7	-6.6	-6.3	-6.3	-5.8	-5.8	-5.4
SIGMA	3.3	3.4	3.4	3.3	3.3	3.3	0.8	9.7	13.7	19.9	21.2	19.8	20.2	18.4	12.6	10.0	2.9	3.3	3.4	3.3	3.3	3.1	3.1	3.3

TABLE 4.2- 3D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	30				3	4	1	2	1	1	3	1	3	4	4	2	1	
A-B	75	2	3	6	5	9	6	2		2	2	2	4	11	10	5	6	
B	68	3	4	1	4	3	7	8	3	3	6	1	3	1	9	8	3	1
B-C	13	2	3							1					4	3		
C	33	11	8					3	3				1	2	7	1		
C-D	5	1	2												2			
D1	28	6	6	1			1	1	5	3	2				1		1	2
D2	95	19	10	1	2	1	1	6	6	1	8	2	6	7	20	6	5	
E	18	4	7	1											4	2	2	
F	31	9	5	2											7	3	5	
G	289	15	6	1	10	4	9	4	2	9	7	10	15	37	69	61	30	
LACK	59		5	1			1		3	2	6	4	4	11	9	2		11

TOKAI-40 3 / 1979

TABLE 4.2-3E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	111	7	3	4	3	2	2	2	2	2	2	6	13	25	42	28	14	3	114	
1.0-1.9		13	8	10	14	4	4	8	2	8	12	8	10	20	36	30	22		154	
2.0-2.9		23	16	7	7	7	5	4	5	4	4	2	3	1	17	9	6		218	
3.0-3.9		17	14			3	5	2	5	2	7	1	3	3	12	8			121	
4.0-4.9		7	7				1	1	1	1	1	1	1	3	9				72	
5.0-5.9		2	5				4		4	1	3	1	1	1	1				32	
6.0-6.9			1				1		1		1			1	1				16	
7.0-7.9									1					1					5	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
TOTL	111	69	54	15	23	17	24	16	19	17	28	17	28	57	118	75	42	11	12	744
20M																				
-0.4	0																			
0.5-0.9																			11	11
1.0-1.9																			49	49
2.0-2.9																			190	190
3.0-3.9																			168	168
4.0-4.9																			86	86
5.0-5.9																			62	62
6.0-6.9																			32	32
7.0-7.9																			16	16
8.0-8.9																			6	6
9.0-9.9																			3	3
10.0-																			6	6
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	115
TOTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	744	744
40M																				
-0.4	4																			
0.5-0.9		1	4	6	3	5	2	4	1	4	2	3	5	11	7	9	4	0	4	4
1.0-1.9		1	6	3	12	11	7	3	1	1	3	5	15	21	18	19	6		8	8
2.0-2.9		11	11	5	11	3	12	2	5	4	7	6	8	15	35	30	12		73	73
3.0-3.9		16	12	3	2	1	2	9	1	5	5	5	4	17	35	18	15		148	148
4.0-4.9		9	10	4	1		2	1	3	2	1	3	4	4	17	21	15		183	183
5.0-5.9		8	8	2	1		2	1	2	1	1	3	1	3	8	14	15		122	122
6.0-6.9		4	6	2				1	2	1	2	2	1	3	9	10	2		64	64
7.0-7.9		4	6	1				1	2	1	2	1	1	3	9	10	2		47	47
8.0-8.9		1	2					2	2	1	1	1	1	2	7	5	1		29	29
9.0-9.9		1	2					2	1	1	1	1	1	2	4	1			24	24
10.0-									1	4	1	2	4	5	4	1			11	11
LACK	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	13	13
TOTL	4	62	61	24	29	20	25	23	18	21	22	28	37	66	118	114	59	0	13	744

TOKAI-40 4 / 1979

TABLE 4.2- 4A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	**	**	1.0	**	**	1.7	3.1	4.5
2	**	**	9.0	**	**	2.1	3.8	5.1
3	11.8	**	0.0	**	-10.8	1.2	1.5	2.9
4	10.1	65.4	0.0	**	-19.2	2.0	2.7	4.1
5	8.1	48.9	0.0	312.0	-17.4	3.3	4.4	5.4
6	11.4	63.4	0.0	425.7	-17.4	2.5	3.1	4.1
7	13.4	66.2	0.0	396.6	-15.6	1.7	2.4	3.7
8	15.5	72.0	10.5	182.4	-9.0	4.0	5.5	7.1
9	17.7	59.7	0.0	556.2	-19.8	2.5	3.2	5.0
10	14.7	37.9	0.0	526.8	-25.2	1.9	2.9	4.1
11	16.3	49.3	0.0	559.8	-24.0	2.5	3.7	5.3
12	12.2	31.1	0.0	483.6	-37.8	2.5	3.2	5.3
13	9.6	43.5	0.0	604.8	-98.4	1.7	2.6	3.5
14	13.3	67.5	1.0	304.8	-70.2	2.4	3.2	4.1
15	12.5	48.5	0.0	339.0	-82.8	2.4	3.2	4.1
16	12.1	63.9	0.0	168.0	-79.8	1.8	2.5	3.2
17	10.8	39.5	0.0	585.0	-109.8	3.5	5.5	7.6
18	10.6	37.6	0.0	580.8	-112.2	1.2	1.9	2.9
19	10.2	69.3	1.0	140.4	-81.6	0.6	0.9	1.5
20	10.5	80.7	9.5	112.2	-80.4	2.0	2.9	4.0
21	11.1	65.8	0.5	446.4	-91.2	1.8	2.5	3.5
22	11.2	51.0	**	550.2	-104.4	1.7	2.6	3.7
23	15.2	59.1	0.0	466.6	-98.4	2.3	3.6	4.9
24	18.9	58.3	0.0	466.2	-84.6	2.4	3.5	4.9
25	18.0	68.4	0.0	454.8	-80.4	2.2	2.8	3.7
26	14.1	75.1	4.0	183.1	-42.9	4.0	5.4	7.1
27	11.6	79.5	17.5	200.4	-34.8	4.6	6.1	8.1
28	11.0	67.8	0.0	342.6	-30.6	2.4	3.3	4.1
29	13.5	86.3	9.5	252.0	-24.6	1.5	2.2	2.9
30	14.1	87.5	**	141.0	-37.8	1.2	2.1	3.4
MONTH	12.9	61.0	63.5	377.8	-54.8	2.3	3.2	4.4
LACK	49	78	77	49	25	12	12	12

TABLE 4.2- 4B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	10.9	15.2	14.2	5.6	2.0	2.0	2.7	2.3	4.2	3.8	6.5	3.2	3.4	7.2	9.9	4.1	2.8
20M	3.8	14.8	15.0	5.0	2.7	2.7	2.1	2.4	4.5	3.4	7.4	2.8	5.5	7.9	10.5	5.4	4.2
40M	1.6	13.6	16.7	5.7	2.4	2.7	2.7	3.1	2.7	3.8	7.5	3.2	6.5	5.8	9.3	6.6	6.2

TOKAI-40 4 / 1979

TABLE 4.2-4C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=10M																								
MEAN	1.6	1.7	1.7	1.5	1.5	1.6	1.8	2.1	2.6	3.1	3.0	3.1	3.2	3.0	3.0	2.7	2.8	2.7	2.2	2.3	2.0	1.9	1.8	1.6
SIGMA	1.5	1.6	1.6	1.6	1.5	1.7	1.6	1.7	1.7	1.7	1.2	1.0	1.3	1.4	1.3	1.8	1.7	1.8	1.6	2.0	1.6	1.5	1.7	1.4
H=20M																								
MEAN	2.5	2.7	2.5	2.4	2.4	2.5	2.8	3.4	4.0	3.9	4.0	4.3	3.9	4.0	3.5	3.9	3.8	3.3	3.5	3.1	2.9	2.8	2.5	
SIGMA	1.8	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.2	2.2	1.7	1.4	2.0	1.9	1.8	2.4	2.2	2.3	2.1	2.5	2.5	1.9	2.0	1.8
H=40M																								
MEAN	3.8	4.0	3.7	3.5	3.8	3.6	3.6	3.7	4.4	4.9	4.9	5.2	5.6	5.2	5.5	4.8	5.3	5.2	4.7	4.9	4.7	4.2	4.1	3.7
SIGMA	2.1	2.4	2.5	2.4	2.3	2.3	2.4	2.6	2.8	2.7	2.3	2.1	2.9	2.6	2.8	3.2	2.9	2.7	2.6	3.1	2.9	2.3	2.4	2.1
TEMPERATURE																								
MEAN	10.2	9.9	9.4	9.1	8.7	9.3	11.3	13.4	14.8	15.9	16.4	16.9	17.0	16.9	16.2	15.8	14.5	13.2	12.7	12.1	11.8	11.5	11.0	10.6
SIGMA	3.6	3.7	3.8	3.9	3.9	3.2	2.7	3.3	3.9	3.9	4.0	4.1	4.0	4.3	4.0	3.8	3.0	2.8	2.9	3.1	3.2	3.1	3.1	3.3
HUMIDITY																								
MEAN	68.4	69.0	70.5	71.7	70.0	68.4	62.1	55.7	51.4	48.3	49.7	50.3	49.1	52.6	53.6	58.5	60.2	64.3	65.1	64.6	67.1	68.4	69.1	
SIGMA	16.5	16.4	16.2	16.4	15.4	16.1	18.4	20.3	20.7	21.2	21.5	22.8	22.6	23.1	21.5	21.0	19.6	18.4	17.6	17.1	16.9	17.0	16.6	17.1
LAPSE RATE																								
MEAN	0.7	1.2	1.2	1.8	2.2	1.2	-2.1	-4.1	-5.2	-5.8	-6.0	-6.1	-6.1	-5.7	-5.1	-4.0	-2.7	-1.2	-0.6	-0.2	0.2	0.5	0.5	0.9
SIGMA	2.3	3.0	3.2	3.5	3.9	2.7	2.3	2.9	3.0	3.2	3.3	2.9	3.0	2.8	2.5	2.2	1.3	0.6	0.9	1.5	1.8	2.8	2.2	2.3
STABIL. RATIO																								
MEAN	-0.1	0.2	0.0	0.2	0.7	0.2	-1.0	-1.8	-1.5	-1.3	-1.1	-0.9	-1.0	-1.0	-0.8	-0.8	-0.5	-0.3	-0.2	-0.1	-0.0	-0.1	0.0	0.2
SIGMA	0.5	1.1	0.7	0.8	2.0	1.0	1.6	2.1	1.5	1.5	1.2	0.9	1.3	1.5	0.9	1.1	0.6	0.5	0.3	0.3	0.5	0.4	0.6	0.8
RADIATION																								
MEAN	-4.4	-4.3	-4.4	-4.5	-4.6	-3.0	14.8	26.5	37.6	44.8	49.5	49.1	49.4	42.3	33.5	19.5	10.0	-4.6	-4.3	-4.3	-4.2	-4.0	-4.1	-4.2
SIGMA	3.1	3.2	3.0	2.7	2.9	2.0	9.2	13.1	19.9	23.6	25.2	27.6	24.6	22.1	17.9	11.3	4.9	3.3	3.3	3.3	3.2	2.8	3.0	3.0

TABLE 4.2-4D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	18			1		1		1		1	2	4	4	5	1	1	1	
A-B	55	1	2	8	5	5	5	3	1	2	4	3	4	4	5	3		
B	47	2	7	12	3	4		1	1	2	3	1		5	4	1	1	
B-C	14	2	6	2				1	1	2								
C	47	11	13	1				2	1	1	5		2	4	5	2		
C-D	17	4	2						3	1	6				1			
D1	83	18	15	3		1	2	1	12	5	5	3	2	5	5	2	4	
D2	131	18	33	5	1		1	1	10	8	9	1	4	4	19	9	8	
E	34	6	10						1	5	1		2	3	4	1	1	
F	27	15	5						1	3			1	1	1		1	
G	172	15	4	1	4	1	7	5	4	9	17	14	29	35	13	9	9	
LACK	75	18	6	8	3	3	5	2	1	5	9	1	1	2	4	5	3	14

TOKAI-40 4 / 1979

TABLE 4.2-4E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	MNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	77																			
0.5-0.9	8	1	2	2	2	1	4	3	1	3	3	8	8	18	24	5	5	0	77	
1.0-1.9	20	7	9	3	7	6	8	4	2	13	10	11	9	21	28	19	10	5	96	
2.0-2.9	42	23	13	7	6	6	5	5	5	16	8	4	3	6	9	3	5	1	180	
3.0-3.9	26	31	14	2	2	1	2	3	3	3	8	2	2	1	2	1	1	3	152	
4.0-4.9	8	24	1				2	2	8	2	10	7	1	4	3	1		3	99	
5.0-5.9	1	5							5	2	7	1	1	4	3			5	26	
6.0-6.9		3							1	1			1	1	3			5	5	
7.0-7.9		2							2	2				1	1			6	7	
8.0-8.9		1	4						2	2				1	1			7	7	
9.0-9.9									1	1								1	1	
10.0-																				
LACK	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	
TOTL	77	107	100	39	14	14	19	16	30	27	46	23	24	51	70	29	20	14	720	
20M																				
-0.4	27																			
0.5-0.9	2	1	1	1	6	8	5	3	4	4	1	1	2	7	12	7	4	0	27	
1.0-1.9	9	3	4	4	8	4	5	4	3	11	4	11	16	26	35	17	11	4	40	
2.0-2.9	20	12	5	5	8	4	5	4	4	11	11	6	10	14	14	10	9	166		
3.0-3.9	23	23	10	2	2	5	4	6	4	4	5	1	5	2	3	4	5	146		
4.0-4.9	26	26	8	1	1	2		4	4	2	10	1	2	1	2	3	1	106		
5.0-5.9	19	22	5	2	2		4	4	5	1	6	1	1	2	4	2	1	87		
6.0-6.9	2	6	1	1	2			1	4	1	10	1	1	2	2	2	2	71		
7.0-7.9	1	2	1						4	1	5	1	1	1	1	1	1	28		
8.0-8.9		4							1	1				3	3			13		
9.0-9.9									2	2				1	1			8		
10.0-																				
LACK	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	
TOTL	27	104	105	35	19	19	15	17	32	24	52	20	39	56	74	38	30	14	720	
40M																				
-0.4	11																			
0.5-0.9	2	1	1	1	2	2	4	2	2	1	2	2	4	4	2	1	1	0	11	
1.0-1.9	5	2	3	3	4	4	4	2	4	4	2	6	3	13	10	6	9	1	15	
2.0-2.9	15	8	3	3	4	5	4	4	2	2	5	6	17	15	17	10	9	69		
3.0-3.9	15	11	8	4	4	5	4	4	2	11	8	5	12	5	13	13	11	126		
4.0-4.9	26	21	10	4	4	2	4	3	4	4	5	2	4	1	10	6	5	132		
5.0-5.9	20	23	4	1	1	1	2	2	4	1	5	1	1	1	3	5	3	110		
6.0-6.9	9	23	6	1	1	1	1	1	4	1	9	1	1	1	3	5	3	78		
7.0-7.9	2	14	2	2	1	1	4	2	2	2	4	1	1	3	3	2	2	1	63	
8.0-8.9	1	3	2	1	1	1	1	1	1	1	6	1	1	1	3	1	2	2	40	
9.0-9.9	1	1	1						1	1	1		1	1	3	1	1	17		
10.0-									5	1	1		3	4	4		1	29		
LACK	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	9	12	
TOTL	11	96	117	40	17	19	19	22	19	27	53	23	46	41	66	47	44	13	720	

TOKAI-40 5 / 1979

TABLE 4.2- 5A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	12.9	73.2	**	183.6	-35.4	1.2	1.8	2.8
2	13.3	70.1	0.0	148.8	-31.8	1.7	2.6	3.8
3	15.3	62.5	0.0	608.4	-41.4	1.4	2.0	3.0
4	14.9	62.6	0.0	584.4	-54.6	1.1	1.6	2.7
5	15.5	74.0	0.0	587.4	-50.4	1.4	1.9	2.7
6	15.6	72.0	0.0	587.4	-43.8	2.4	3.3	4.5
7	17.3	67.8	0.0	365.4	-29.4	2.4	3.6	5.0
8	17.0	90.7	94.0	82.8	-8.4	2.0	2.8	4.0
9	19.2	73.9	0.5	578.4	-10.8	1.7	2.3	3.1
10	16.8	76.1	3.0	492.6	-15.6	2.2	2.7	3.6
11	17.1	71.0	6.0	599.4	-31.2	2.7	3.5	4.8
12	14.1	45.7	0.0	646.2	-72.6	2.8	3.7	5.9
13	13.9	53.9	0.0	603.0	-54.0	1.8	2.6	3.8
14	14.3	86.7	40.0	88.2	-18.6	2.5	3.9	6.4
15	16.3	77.2	68.5	331.2	-35.4	5.0	6.8	9.4
16	14.4	81.0	0.0	154.8	-4.8	1.0	1.3	1.9
17	14.5	90.1	11.0	71.4	-10.8	1.1	1.7	2.6
18	14.7	75.2	0.0	525.0	-25.8	1.4	2.0	2.9
19	16.3	69.3	0.0	541.8	-36.0	1.4	1.8	2.6
20	16.6	70.9	1.5	534.6	-28.2	1.2	1.8	2.7
21	17.8	**	0.0	492.0	-42.0	1.5	2.2	2.9
22	20.1	76.1	0.0	452.4	-33.6	2.0	2.7	3.8
23	18.5	72.0	0.0	336.6	-41.4	3.1	4.0	5.1
24	17.8	79.0	0.0	444.6	-33.0	1.7	2.1	2.8
25	19.7	77.7	0.0	318.6	-16.8	3.1	3.9	5.0
26	20.1	80.2	0.0	466.8	-30.6	2.0	2.5	3.2
27	17.0	76.8	11.5	168.8	-22.8	1.6	2.2	3.3
28	21.4	53.6	0.0	442.2	-41.4	2.5	3.7	5.2
29	18.4	69.4	0.5	333.0	-31.8	1.7	2.3	3.3
30	16.2	63.5	0.0	366.0	-37.2	2.5	3.4	5.0
31	16.1	69.0	0.0	424.8	-37.8	1.5	1.7	2.7
MONTH	16.5	72.3	236.5	408.0	-32.5	2.0	2.7	3.9
LACK	4	40	37	4	0	4	4	4

TABLE 4.2- 5B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	12.2	8.4	12.8	5.9	3.9	4.9	4.6	3.8	9.5	3.1	3.2	2.2	4.5	5.5	10.9	2.6	2.0
20M	5.0	8.0	13.8	6.1	4.9	4.5	4.2	5.9	7.7	3.5	3.2	2.4	5.1	6.8	11.2	4.9	2.8
40M	1.8	6.2	14.5	4.8	6.5	5.0	5.7	7.8	5.9	3.9	3.0	2.4	4.3	6.1	13.5	4.7	4.1

TOKAI-40 5 / 1979

TABLE 4.2-5C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(CHR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.3	1.0	1.1	1.2	1.1	1.4	1.5	2.0	2.2	2.1	2.7	2.6	3.1	3.3	3.3	3.1	2.9	2.4	2.1	1.8	1.7	1.5	1.2	1.1
SIGMA	1.0	1.0	1.2	1.1	1.0	1.1	1.4	1.1	1.2	1.2	1.1	1.3	1.4	1.6	1.7	1.3	1.5	1.2	1.3	1.2	1.1	1.1	1.1	1.1
20M																								
MEAN	2.1	1.7	1.8	1.9	1.7	2.0	2.0	2.6	2.7	2.8	3.4	3.3	3.8	4.2	4.2	4.0	3.7	3.3	3.0	2.7	2.5	2.3	1.8	1.8
SIGMA	1.4	1.4	1.6	1.5	1.4	1.5	1.9	1.5	1.5	1.6	1.3	1.6	1.8	2.0	2.0	1.7	1.8	1.5	1.6	1.4	1.4	1.5	1.6	1.6
40M																								
MEAN	3.7	3.0	3.2	3.2	3.2	3.4	3.0	3.3	3.4	3.4	4.2	4.2	4.9	5.5	5.6	5.3	4.9	4.6	4.2	4.0	3.7	3.4	3.0	3.2
SIGMA	2.0	1.8	2.3	2.2	2.3	2.6	2.8	2.2	2.1	2.0	1.8	2.0	2.4	2.7	2.6	2.3	2.4	2.1	2.1	2.0	2.0	2.1	2.3	2.3
TEMPERATURE																								
MEAN	13.8	13.5	13.0	12.8	12.6	13.8	15.7	17.2	18.2	18.9	19.5	19.8	19.8	19.5	19.3	18.9	18.2	17.6	17.1	16.6	16.3	15.9	15.0	14.4
SIGMA	3.2	3.3	3.4	3.4	3.3	2.9	2.3	2.2	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.2	2.1	2.0	2.1	2.7	2.8	2.9
HUMIDITY																								
MEAN	81.1	84.5	85.2	85.4	85.1	80.3	73.0	67.2	63.8	60.0	59.0	57.7	60.0	60.7	63.3	65.5	67.0	70.2	73.2	74.8	76.0	78.0	79.7	82.1
SIGMA	15.0	8.0	7.0	7.0	8.1	11.4	13.6	16.0	17.3	19.0	17.5	17.0	16.0	14.8	14.9	14.5	15.0	14.4	14.1	13.5	12.6	12.1	10.3	9.8
LAPSE RATE																								
MEAN	1.7	1.7	1.8	1.7	1.4	-0.6	-1.6	-2.4	-3.0	-3.2	-3.5	-3.5	-3.6	-3.1	-2.8	-2.5	-1.8	-1.2	-0.6	-0.1	0.1	0.4	1.4	1.5
SIGMA	3.1	2.5	3.0	2.9	2.4	1.5	2.2	1.4	1.6	1.7	1.6	1.7	1.6	1.5	1.4	1.4	1.0	0.9	1.4	1.7	2.1	2.1	3.3	2.8
STABIL. RATIO																								
MEAN	-0.1	**	**	0.2	**	-0.1	-0.9	-0.7	-0.7	-0.8	-0.5	-0.7	-0.5	-0.5	-0.4	-0.5	-0.6	-0.3	-0.1	-0.1	-0.1	-0.2	0.3	**
SIGMA	0.6	**	**	0.9	**	1.0	1.0	0.6	0.5	0.7	0.3	0.9	0.3	0.5	0.5	0.8	1.0	0.4	0.5	0.2	0.6	0.5	1.3	**
RADIATION																								
MEAN	-2.4	-2.6	-2.6	-2.5	-2.1	-0.8	19.5	31.5	39.7	47.8	55.1	53.2	52.8	42.4	34.6	22.3	11.0	-1.7	-3.3	-3.2	-2.9	-2.8	-2.7	-2.7
SIGMA	1.5	1.5	1.5	1.6	1.3	1.0	10.3	14.8	19.6	22.9	25.0	24.3	23.6	21.4	15.8	11.7	5.6	1.5	1.9	1.8	1.7	1.6	1.6	1.5

TABLE 4.2-5D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	17	1	1	3	1	3			1				1	2	2	1		
A-B	82	2	5	10	6	16	12	10		2	3	3	6	2	6	1		
B	84	3	5	7	7	6	10	10	10		8	6	4	2	9	1	4	
B-C	21	1	10				1	5	5		4							
C	45	7	9		1		2	14	3		3			2	7			
C-D	14		7					4	4	1	2							
D1	74	11	15	8	3	1	6	3	16	3	1	3	1	1	3	3		
D2	147	19	28	12	5	8	2	1	9	7	1	6	4	14	23	3	5	
E	28	7	5	1					6	2				2	3		2	
F	20	6	8	1					2					2	1			
G	208	14	7	12	5	4	8	1	7	10	3	10	22	26	46	23	10	
LACK	4																	4

TOKAI-40 5 / 1979

TABLE 4.2-5E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	90																			90
0.5-0.9	5	6	7	6	5	8	1	2	4	5	6	19	17	36	12	6	0	0	90	
1.0-1.9	16	7	23	12	6	12	3	8	13	2	4	11	10	21	3	3	6	0	145	
2.0-2.9	20	38	14	6	17	9	12	16	3	5	5	3	8	15	3	1	1	0	154	
3.0-3.9	10	27	3	5	4	11	2	24	2	10	1	4	2	2	1	5	1	0	175	
4.0-4.9	3	13	3	2	3	1	1	14	1	2	2	2	5	5	2	5	5	0	109	
5.0-5.9	3	3						3	3					2	2	2	2	0	46	
6.0-6.9	2	2						3	3									0	12	
7.0-7.9	1	1						3	3									0	5	
8.0-8.9																		0	2	
9.0-9.9	2																	0	2	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	90	62	95	44	29	36	34	28	70	23	24	16	33	41	81	19	15	4	744	
20M																				
-0.4	37																			37
0.5-0.9	4	4	2	1	2	2	2	1	1	2	3	2	6	2	19	22	5	0	0	37
1.0-1.9	6	9	13	17	7	11	7	4	4	4	2	5	16	25	30	8	8	0	177	
2.0-2.9	13	15	22	10	14	9	10	6	14	6	5	11	4	4	22	1	2	0	172	
3.0-3.9	19	35	6	2	4	3	10	12	3	1	3	4	4	12	4	4	2	0	164	
4.0-4.9	8	22	1	1	1	4	13	16	4	6	3	1	1	4	3	1	3	0	122	
5.0-5.9	1	12		2	2	4	2	11	2	4	4	1	4	1	4	2	2	0	88	
6.0-6.9	2	5		3	2	4	2	3	1	2	2	1	1	1	1	1	1	0	45	
7.0-7.9	2	4		1	3	2	2	4	4									0	21	
8.0-8.9	2	2		1	3	2	2	3	3	1	2	1	1	1	1	1	1	0	11	
9.0-9.9	2	2		1	3	2	2	4	4									0	2	
10.0-																		0	1	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	37	59	102	45	36	33	31	44	57	26	24	18	38	50	83	36	21	4	744	
40M																				
-0.4	13																			13
0.5-0.9	1	1	7	2	1	4	2	2	2	1	1	1	1	2	1	2	2	0	0	13
1.0-1.9	9	7	10	19	5	6	4	4	2	1	3	6	6	6	19	6	9	1	17	
2.0-2.9	3	6	10	19	13	11	11	6	3	2	3	6	12	13	31	13	9	5	102	
3.0-3.9	9	19	11	9	7	12	7	8	8	6	4	1	6	10	18	5	3	13	171	
4.0-4.9	8	23	4	2	1	5	16	8	7	3	4	3	4	4	9	1	6	6	140	
5.0-5.9	5	24	1	1	1	2	11	8	2	2	3	2	1	5	2	2	1	2	97	
6.0-6.9	1	16					10	3	5	4	4	1	1	2	2	2	3	5	76	
7.0-7.9	1	4					5	3	5	2	2	1	1	1	5	2	3	1	51	
8.0-8.9	1	3					1	1	1	1	1	2	2	2	1	1	1	1	24	
9.0-9.9	2	2					1	2	1	1	1	2	2	2	4	2	1	1	21	
10.0-																			12	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	13	44	103	34	44	35	40	56	42	28	21	17	30	43	95	33	29	4	744	

TOKAI-40 6 / 1979

TABLE 4.2- 6A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMID-ITY PERCENT	PRECIP-ITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	18.0	74.7	0.0	427.8	-34.8	2.0	2.6	3.6
2	20.5	67.4	0.0	301.8	-30.6	1.7	2.4	3.5
3	18.4	81.2	3.0	327.6	-24.0	1.5	2.1	3.0
4	18.8	76.5	1.5	450.0	-30.0	2.0	2.7	3.7
5	19.1	74.3	0.0	500.4	-29.4	1.4	1.7	2.5
6	19.0	80.3	0.0	460.8	-26.4	1.9	2.5	3.4
7	20.0	86.5	5.0	234.0	-13.2	1.7	2.3	3.3
8	22.0	81.8	6.5	198.0	-19.8	1.2	1.6	2.3
9	20.4	86.6	0.0	234.9	-16.8	1.8	2.5	3.4
10	21.5	81.8	0.0	432.0	-12.6	1.2	1.5	2.1
11	21.4	83.4	2.0	105.4	-10.2	0.8	1.2	1.8
12	19.3	79.6	15.5	283.8	-21.0	1.1	1.5	2.1
13	19.4	69.3	0.0	258.0	-22.8	2.6	3.3	4.3
14	17.9	85.9	8.0	99.6	-16.8	1.9	2.5	3.5
15	19.5	79.6	0.0	496.2	-24.0	1.5	2.0	2.8
16	20.4	83.5	0.0	448.2	-23.4	1.9	2.6	3.7
17	23.6	73.5	0.0	490.8	-26.4	1.3	1.8	2.5
18	24.8	71.5	0.0	459.0	-34.2	1.7	2.4	3.5
19	23.3	78.9	0.0	325.2	-29.4	2.0	2.7	3.9
20	25.4	72.3	0.0	380.4	-27.6	2.2	3.3	4.6
21	25.9	73.7	0.0	480.6	-32.4	1.2	1.6	2.3
22	24.3	76.7	0.0	461.5	-21.0	1.7	2.5	3.4
23	26.9	70.1	0.0	430.8	-25.2	1.1	1.3	1.9
24	25.2	76.5	0.0	468.8	-19.8	1.5	2.0	2.6
25	25.2	74.2	0.0	468.8	-19.8	1.5	2.0	2.6
26	22.8	86.5	0.5	319.2	-13.8	1.2	1.5	2.0
27	26.2	75.5	1.0	164.4	-15.0	3.3	5.0	7.1
28	24.9	84.6	0.5	236.3	-12.6	1.2	1.9	2.7
29	21.5	88.3	21.5	81.0	-8.4	2.3	3.2	4.4
30	20.0	88.5	9.0	131.4	-4.8	2.0	2.7	3.5
MONTH	21.9	78.7	74.0	332.1	-21.8	1.7	2.3	3.2
LACK	1	27	5	10	0	10	10	10

TABLE 4.2- 6B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	17.6	6.6	9.0	6.1	2.8	4.5	3.2	7.5	7.6	3.4	9.5	6.8	4.1	6.9	3.4	0.4	0.8
20M	10.7	3.1	13.0	4.9	4.1	3.8	3.8	12.8	2.8	3.8	13.0	5.2	6.1	8.6	2.1	0.8	1.4
40M	3.8	5.5	13.1	3.4	4.2	3.1	6.9	13.5	2.3	8.3	12.3	3.8	6.8	4.9	6.3	1.3	0.6

TOKAI-40 6 / 1979

TABLE 4.2-60 HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	0.8	1.0	1.0	1.0	1.1	1.2	1.1	1.5	1.7	2.1	2.4	2.5	2.8	2.9	3.0	2.9	2.4	2.3	1.7	1.2	1.1	0.8	1.0	1.0	1.0
SIGMA	0.8	1.1	1.0	0.9	1.1	0.9	0.9	0.9	0.9	0.7	0.8	0.9	1.0	0.9	1.3	1.2	1.2	1.1	1.1	1.0	1.1	0.9	1.2	1.1	1.1
20M																									
MEAN	1.4	1.6	1.6	1.6	1.7	1.8	1.5	2.0	2.2	2.5	2.8	3.1	3.4	3.6	3.8	3.7	3.1	3.0	2.4	1.8	1.7	1.4	1.6	1.7	1.7
SIGMA	1.2	1.6	1.5	1.4	1.4	1.2	1.2	1.3	0.9	1.1	1.2	1.4	1.2	1.7	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.3	1.6	1.4	1.4
40M																									
MEAN	2.4	2.7	2.6	2.7	2.6	2.5	2.1	2.5	2.8	3.1	3.5	3.8	4.3	4.6	4.9	4.8	4.0	4.0	3.4	2.7	2.8	2.3	2.7	3.0	3.0
SIGMA	1.5	2.0	1.8	1.7	1.8	1.5	1.6	1.6	1.9	1.3	1.5	1.7	1.7	1.5	2.2	1.9	2.0	1.9	1.9	1.7	1.9	1.6	2.2	1.7	1.7
TEMPERA-																									
TURE																									
MEAN	19.8	19.5	19.2	19.1	19.3	20.2	21.6	22.4	23.4	23.7	24.3	24.3	24.2	24.2	24.0	23.6	23.2	22.4	22.0	21.4	21.1	20.8	20.6	20.3	20.3
SIGMA	3.3	3.2	3.5	3.3	3.4	3.1	2.6	2.6	3.1	3.2	3.4	3.2	3.5	3.7	3.7	3.8	3.6	3.2	3.1	2.6	2.5	2.6	2.7	2.7	2.7
HUMIDITY																									
MEAN	86.4	86.9	86.9	87.0	85.9	84.1	79.3	76.5	72.7	70.8	70.6	69.9	70.6	69.2	71.3	73.2	75.1	76.5	78.9	80.8	82.5	83.7	84.6	86.2	86.2
SIGMA	6.4	6.2	5.9	6.8	7.7	8.5	8.4	9.6	10.9	11.5	11.0	12.1	10.0	10.8	11.3	10.9	11.0	9.5	12.7	11.0	8.9	7.1	7.0	6.0	6.0
LAPSE																									
RATE	0.8	0.5	0.8	0.2	0.4	-2.0	-2.4	-2.8	-2.9	-3.0	-3.2	-3.6	-3.7	-3.4	-3.1	-2.9	-2.6	-1.9	-1.0	-0.3	-0.1	0.2	0.5	0.6	0.6
MEAN	2.2	1.9	2.2	1.5	1.8	1.1	0.8	0.7	0.6	0.6	0.5	0.8	0.9	0.7	0.7	0.3	0.5	1.5	1.2	1.7	1.8	1.6	1.9	1.9	
SIGMA	**	**	**	0.7	0.4	0.3	-1.0	-1.1	-1.2	-1.1	-0.7	-0.8	-0.6	-0.5	-0.5	-0.6	-0.8	-0.4	-0.3	-0.3	-0.2	**	-0.2	**	
STABIL-																									
RATIO	**	**	**	2.1	0.8	1.2	0.9	0.9	0.7	0.6	0.7	0.6	0.3	0.4	0.4	0.6	0.8	0.7	0.9	0.5	0.8	**	0.6	**	
MEAN	**	**	**	2.1	0.8	1.2	0.9	0.9	0.7	0.6	0.7	0.6	0.3	0.4	0.4	0.6	0.8	0.7	0.9	0.5	0.8	**	0.6	**	
SIGMA	**	**	**	2.1	0.8	1.2	0.9	0.9	0.7	0.6	0.7	0.6	0.3	0.4	0.4	0.6	0.8	0.7	0.9	0.5	0.8	**	0.6	**	
RADIA-																									
TION																									
MEAN	-1.8	-1.8	-1.7	-1.4	-0.9	-1.7	14.7	24.6	30.1	40.5	43.4	40.6	40.6	34.6	29.1	19.3	10.4	4.4	-2.5	-2.1	-2.2	-2.0	-2.0	-1.9	
SIGMA	0.9	1.1	1.1	1.0	0.7	0.4	7.3	11.6	14.4	17.0	18.5	19.2	19.6	16.0	12.9	10.5	5.6	1.8	1.3	1.2	1.2	1.3	1.1	1.1	

TABLE 4.2-60 FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	12			1	3	1	1	1		1	3					1		
A-B	72			2	7	13	9	16	2	1	7	6	4	2	3			
B	97		3	7	8	1	10	8	23	4	2	14	4	4	7	2		
B-C	20		5	5				4	3	3								
C	42		5	8	4			4	8	3	7	3						
C-D	9		1						4	3	1							
D1	98		12	18	10	4	4	3	15	3	9	6	1	5	1	1	2	
D2	160		22	16	16	3	5	2	3	5	3	16	15	10	25	7	2	10
E	14		5	1					1	3	4							
F	6		2							2	2							
G	180		6	9	11	6	7	1	7	15	11	16	23	18	29	18	2	1
LACK	10																	10

TOKAI-40 6 / 1979

TABLE 4.2-6E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	125	5	8	8	5	10	2	4	4	7	7	15	16	30	15	3	3	0	125	
1.0-1.9		11	14	19	12	13	7	11	10	4	17	12	13	19	9				142	
2.0-2.9		13	15	13	3	7	12	25	10	9	17	12							174	
3.0-3.9		16	22	3		2	2	11	22	1	18	9							136	
4.0-4.9		1	5					2	6	3	4								106	
5.0-5.9									2										21	
6.0-6.9		1								3									6	
7.0-7.9																			0	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	125	47	64	43	20	32	23	53	54	24	66	48	29	49	24	3	6	10	720	
20M																				
-0.4																				
0.5-0.9	76	3	4	4	4	6	1	3	4	2	9	4	7	10	8	4	3	0	76	
1.0-1.9		5	11	12	14	11	11	10	4	12	14	17	22	44	7	2	3		76	
2.0-2.9		3	21	11	10	6	11	25	5	6	15	4	13	7					199	
3.0-3.9		7	21	5	1	4	4	22	2	5	12	9	1						141	
4.0-4.9		4	25	2				21	4	1	20	2							93	
5.0-5.9			8	1				9	1	1	16	1							79	
6.0-6.9			2					3		1	3								36	
7.0-7.9								1											3	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	76	22	92	35	29	27	27	91	20	27	92	37	43	61	15	6	10	10	720	
40M																				
-0.4																				
0.5-0.9	27	4	4	4	3	6	3	3	3	1	4	2	4	5	5			0	27	
1.0-1.9		10	5	6	9	8	9	10	3	6	9	6	14	14	4	5	2		47	
2.0-2.9		5	15	9	9	4	11	11	4	17	16	9	23	12	27	2	2		120	
3.0-3.9		4	18	4	6	4	19	20	3	12	12	6	5	4	9				176	
4.0-4.9		7	20	1	2		6	18	2	12	12	6	5						128	
5.0-5.9		7	17		1		1	18	1	4	7	3	2						72	
6.0-6.9		1	17					13		2	11	1							69	
7.0-7.9			1					3		2	9								42	
8.0-8.9		1								2	14								20	
9.0-9.9								1		2	2								5	
10.0-										1	2								3	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	27	39	93	24	30	22	49	96	16	59	87	27	48	35	45	9	4	10	720	

TOKAI-40 7 / 1979

TABLE 4.2-7A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMID- ITY	PRECIP- ITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND			WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S	SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	21.9	86.0	3.0	193.2	-8.4	1.2	1.7	2.3	1.2	1.7	2.3
2	24.7	78.6	1.5	355.8	-13.2	1.9	2.6	3.6	1.9	2.6	3.6
3	22.8	76.5	1.5	276.6	-27.0	1.2	1.5	2.3	1.2	1.5	2.3
4	21.0	64.7	0.0	354.0	-36.6	1.7	2.4	3.3	1.7	2.4	3.3
5	21.9	74.0	0.0	474.0	-36.6	2.0	2.6	3.5	2.0	2.6	3.5
6	22.3	70.9	0.0	434.3	-39.0	1.0	1.4	2.2	1.0	1.4	2.2
7	22.1	79.1	0.0	334.4	-36.6	1.7	2.1	2.8	1.7	2.1	2.8
8	23.3	82.6	0.0	385.8	-26.4	1.0	1.2	1.7	1.0	1.2	1.7
9	22.4	77.0	0.0	552.7	-42.9	1.3	1.7	2.5	1.3	1.7	2.5
10	23.3	76.4	70.5	378.0	-40.9	4.2	2.4	3.3	4.2	2.4	3.3
11	23.5	89.0	4.5	153.0	-8.4	1.3	2.1	3.0	1.3	2.1	3.0
12	23.4	86.9	0.0	393.0	-9.8	1.7	2.3	3.0	1.7	2.3	3.0
13	21.7	82.3	0.5	270.6	-16.8	1.9	2.6	3.4	1.9	2.6	3.4
14	19.3	92.5	5.5	75.6	-3.0	3.2	4.2	5.3	3.2	4.2	5.3
15	20.7	80.0	0.0	123.0	-13.2	3.0	3.7	4.9	3.0	3.7	4.9
16	19.6	66.4	0.0	288.0	-14.4	2.6	3.6	4.5	2.6	3.6	4.5
17	21.0	72.5	0.0	374.4	-19.2	1.7	2.2	3.0	1.7	2.2	3.0
18	20.6	85.2	3.0	79.8	-9.0	3.0	4.1	5.7	3.0	4.1	5.7
19	20.5	85.2	5.5	240.6	-26.4	3.5	4.9	6.2	3.5	4.9	6.2
20	21.0	76.8	11.5	309.6	-16.2	1.7	2.3	2.9	1.7	2.3	2.9
21	22.3	87.2	1.5	260.4	-17.4	1.0	1.3	1.8	1.0	1.3	1.8
22	22.3	91.7	0.0	357.6	-18.6	1.7	2.2	2.8	1.7	2.2	2.8
23	26.5	81.1	0.0	294.6	-16.8	1.5	2.1	2.9	1.5	2.1	2.9
24	26.6	83.4	0.0	390.0	-22.8	1.0	1.4	2.0	1.0	1.4	2.0
25	26.1	81.8	45.5	235.8	-30.5	1.2	1.5	2.2	1.2	1.5	2.2
26	25.0	84.2	0.0	332.4	-27.6	1.8	2.2	2.9	1.8	2.2	2.9
27	24.7	88.5	3.5	134.4	-22.8	0.8	1.2	1.8	0.8	1.2	1.8
28	24.9	89.2	0.5	102.6	-23.4	1.0	1.7	2.5	1.0	1.7	2.5
29	25.2	83.8	14.0	322.8	-19.8	1.3	1.6	2.3	1.3	1.6	2.3
30	27.0	81.7	0.5	425.4	-29.4	1.4	1.7	2.4	1.4	1.7	2.4
31	27.5	79.1	0.0	417.8	-34.8	1.2	1.6	2.3	1.2	1.6	2.3
MONTH	23.1	81.4	170.5	297.4	-22.8	1.8	2.3	3.1	1.8	2.3	3.1
LACK	14	62	7	7	4	6	6	6	6	6	6

TABLE 4.2-7B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	12.7	13.7	9.3	9.8	4.1	4.2	3.5	6.4	7.7	1.8	4.3	4.2	5.3	6.4	4.6	0.5	1.5
20M	8.0	6.6	15.7	10.8	3.3	3.8	3.8	10.0	4.3	3.0	4.1	3.9	7.7	6.6	4.1	1.4	2.8
40M	3.4	8.7	16.0	8.4	4.7	3.4	5.0	12.6	2.0	2.7	5.3	3.4	7.3	5.4	6.2	3.7	1.8

TOKAI-40 7 / 1979

TABLE 4.2-7C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.2	1.1	1.0	1.0	1.1	1.2	1.4	1.6	1.8	2.1	2.1	2.5	2.5	4.3	2.5	2.4	2.2	1.9	1.8	1.8	1.8	1.4	1.2	1.2	1.3
SIGMA	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	0.9	1.0	1.1	10.4	1.2	1.3	1.3	1.1	1.3	1.4	1.3	1.3	1.3	1.3	1.2
20M																									
MEAN	1.8	1.6	1.5	1.5	1.8	1.6	1.8	2.1	2.1	2.5	2.6	3.1	3.1	3.0	3.2	3.1	2.9	2.7	2.5	2.5	2.1	1.7	1.8	1.7	1.6
SIGMA	1.4	1.4	1.4	1.3	1.1	1.4	1.5	1.6	1.5	1.5	1.2	1.4	1.5	1.6	1.4	1.6	1.6	1.5	1.7	1.7	1.6	1.7	1.7	1.7	1.6
40M																									
MEAN	2.6	2.5	2.5	2.6	2.9	2.5	2.4	2.7	2.5	3.0	3.0	3.7	3.7	3.8	3.9	4.0	3.8	3.7	3.5	3.6	3.1	2.7	2.7	2.7	2.8
SIGMA	1.7	1.6	1.7	1.6	1.3	1.6	1.8	1.9	2.0	1.9	1.4	1.7	1.8	2.0	1.8	2.0	2.1	1.9	2.2	2.3	2.2	2.2	2.2	2.1	2.1
TEMPERATURE																									
MEAN	21.4	21.3	21.0	20.8	20.9	21.3	22.5	23.3	24.0	24.5	24.6	25.1	25.3	25.6	25.1	25.0	24.4	23.8	23.1	22.7	22.6	22.1	21.8	21.6	21.6
SIGMA	2.2	2.3	2.3	2.4	2.3	2.1	2.1	2.4	2.5	3.1	3.1	3.2	3.4	4.1	3.0	3.0	2.9	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.4
HUMIDITY																									
MEAN	86.6	86.5	86.9	88.2	87.6	85.7	83.2	80.7	77.2	72.0	76.1	73.4	73.8	75.6	76.8	77.1	78.8	80.1	83.1	82.5	83.1	85.1	84.6	85.7	85.8
SIGMA	5.1	5.5	5.1	5.7	7.4	8.3	9.6	11.2	10.7	16.5	12.1	14.6	10.6	11.7	10.1	9.6	10.0	9.5	9.0	8.6	10.4	7.8	7.1	5.8	
LAPSE																									
MEAN	-0.3	-0.5	-0.1	0.0	-0.5	-1.9	-2.5	-2.8	-3.0	-3.0	-3.1	-3.3	-3.3	-3.2	-3.0	-2.9	-2.7	-2.1	-1.5	-1.2	-0.6	-0.7	-0.4	-0.2	
SIGMA	2.1	1.7	1.5	1.7	1.4	1.2	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	1.0	0.6	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.7	
STABIL. RATIO																									
MEAN	0.1	**	-0.4	**	-0.3	-1.0	-1.2	-1.4	-1.2	-0.9	-1.0	-0.8	-0.7	-0.8	-0.6	-0.7	-0.9	-0.9	-0.5	-0.4	-0.2	-0.8	-0.4	-0.0	
SIGMA	1.4	**	0.5	**	0.5	0.9	0.9	1.0	0.9	0.7	0.6	0.8	0.5	0.7	0.5	0.5	0.9	0.9	0.5	0.5	0.3	0.8	0.6	1.1	
RADIATION																									
MEAN	-1.6	-1.6	-1.7	-1.6	-1.2	-1.7	12.8	18.6	27.6	34.2	37.1	38.1	38.6	32.7	28.7	19.4	10.3	-1.0	-2.2	-2.1	-2.1	-2.1	-1.9	-1.8	
SIGMA	1.2	1.2	1.3	1.2	0.8	0.4	7.7	10.4	13.9	18.0	20.1	17.7	17.9	17.0	13.7	10.2	6.1	0.8	1.2	1.2	1.2	1.2	1.3	1.2	

TABLE 4.2-7D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	21			2	4	6	4	4		1								
A-B	67		3	10	8	14	7	10		1	1	6	5	1				
B	95	1	7	21	13	7	4	13	3	1	1	6	7	4	3	1		3
B-C	19	4	2	1				5	6		1							
C	22	3	4	1			1	2	8	1	2							
C-D	12							1	7									
D1	98	33	10	6	1		6	9	12	2	4	3	6	3	3			
D2	172	45	27	16	3	3	1	3	9	6	8	7	7	16	7	5	9	
E	16	5	1						3		2							
F	2		1						1									
G	209	10	14	15	3	3	5	5	9	8	15	20	16	35	40	7	4	
LACK	11			4					1									6

TOKAI-40 7 / 1979

TABLE 4.2-7E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK	TOTL	
-0.4	94																			
0.5-0.9	2	8	11	8	5	7	4	4	4	5	13	16	20	30	20	3	4	0	94	
1.0-1.9	16	23	39	14	18	16	17	14	14	6	9	14	19	17	14	1	5		160	
2.0-2.9	30	23	14	7	8	3	15	13	13	1	5	1					2		242	
3.0-3.9	22	10	6	1			8	15	1	1	1								122	
4.0-4.9	17	3	2				2	9	2		3								64	
5.0-5.9	12	2						2	2		1								36	
6.0-6.9	2																		17	
7.0-7.9																			2	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	94	101	69	72	30	31	26	47	57	13	32	31	39	47	34	4	11	6	744	
20M																				
-0.4	58																			
0.5-0.9	3	4	4	3	2	4	7	1	1	5	2	5	9	10	15	5	4	1	59	
1.0-1.9	4	17	30	7	17	16	20	5	5	10	11	20	34	32	13	4	8		83	
2.0-2.9	5	20	33	11	9	5	12	7	7	5	3	4	14	7	2	1	6		248	
3.0-3.9	14	30	8	3		3	15	9	9	1	8						2		144	
4.0-4.9	8	19	2				16	6	1	2	2						1		93	
5.0-5.9	5	12	2				2	4		2	2								55	
6.0-6.9	4	12	1				2	2		1	1								27	
7.0-7.9		1						2											20	
8.0-8.9		1																	8	
9.0-9.9																			1	
10.0-																			0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	58	49	116	80	24	28	28	74	32	22	30	29	57	49	30	10	21	7	744	
40M																				
-0.4	25																			
0.5-0.9	2	1	2	2	3	4	3	1	1	1	3	1	4	2	3	1	3	0	25	
1.0-1.9	7	13	14	10	9	9	13	3	3	6	8	12	15	12	16	15	1		36	
2.0-2.9	8	22	19	11	10	16	14	3	5	12	8	8	25	26	16	5	2		163	
3.0-3.9	6	17	17	7	3	6	17	6	4	5	5	4	8	9	9	4	5		202	
4.0-4.9	11	24	6	3	2	2	13	2	2	1	4	2	2	1	1	2	2		118	
5.0-5.9	9	18	1	2			22	2	2	2	3								73	
6.0-6.9	7	7					9	1	1	1	1								58	
7.0-7.9	4	7					1	1	1	1									24	
8.0-8.9	7	5	1				1	1	1	3									13	
9.0-9.9	3	3	2																17	
10.0-		1																	8	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
TOTL	25	64	118	62	35	25	37	93	15	20	39	25	54	40	46	27	13	6	744	

TOKAI-40 8 / 1979

TABLE 4.2-8A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SGCM/DAY	NET RAD. SGCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	27.7	82.0	0.0	381.6	-33.0	1.4	2.0	2.9
2	28.8	78.0	0.0	376.2	-25.8	1.4	2.1	3.1
3	25.4	82.6	2.0	228.0	-16.8	1.5	1.9	2.5
4	24.2	87.3	2.0	252.6	-15.6	0.9	1.2	1.5
5	25.9	88.4	0.0	274.8	-24.0	1.0	1.4	2.1
6	27.0	81.3	0.5	425.4	-18.6	1.6	2.1	3.0
7	25.5	83.4	8.0	193.2	-16.2	1.4	1.8	2.5
8	25.9	79.2	0.0	389.4	-30.6	1.3	1.9	2.5
9	24.3	85.4	0.0	295.2	-33.0	1.4	4.4	3.4
10	26.4	86.1	0.0	421.2	-23.4	0.9	1.1	1.9
11	25.9	89.3	0.0	344.4	-28.2	1.6	2.1	2.9
12	26.2	87.7	1.5	471.0	-30.0	1.9	2.4	3.3
13	26.1	80.9	0.0	478.2	-29.4	2.4	3.2	4.2
14	25.8	82.7	0.0	450.6	-30.6	2.7	3.5	4.6
15	26.4	84.1	0.5	459.6	-30.0	3.3	4.1	5.5
16	26.8	83.5	0.0	379.2	-21.0	3.3	4.3	5.4
17	26.7	88.4	0.0	451.2	-30.6	2.7	3.5	4.4
18	26.7	88.9	0.0	192.6	-19.2	2.0	2.9	4.4
19	27.2	88.8	0.5	266.4	-12.0	1.3	1.8	2.4
20	24.8	87.6	6.0	110.4	-19.8	0.8	1.5	2.6
21	24.6	89.2	0.0	114.0	-9.0	1.7	2.6	3.8
22	25.8	88.1	1.5	246.8	-11.4	1.4	2.1	2.9
23	25.4	92.9	0.0	146.4	-22.2	0.7	1.1	1.8
24	24.1	85.7	6.0	313.8	-20.4	1.1	1.8	2.7
25	22.5	91.2	3.0	150.0	-20.4	1.0	1.6	2.5
26	25.1	87.8	0.0	169.2	-9.0	1.0	1.5	2.4
27	28.4	74.2	0.0	404.4	-34.8	3.4	5.5	7.4
28	24.3	81.1	0.5	110.4	-8.4	1.5	2.2	3.2
29	23.6	74.7	1.0	370.8	-11.4	2.0	2.7	3.7
30	21.5	92.2	13.0	85.8	-21.6	1.5	2.2	3.0
31	23.2	81.4	0.0	406.2	-31.8	2.0	2.9	4.2
MONTH	25.6	84.9	46.0	302.7	-22.2	1.7	2.4	3.3
LACK	5	19	0	2	0	4	2	2

TABLE 4.2-8B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	16.2	15.6	16.9	10.8	4.9	3.2	2.7	2.2	1.4	2.6	5.7	2.6	3.0	3.9	5.5	1.8	2.2
20M	8.5	9.6	22.4	10.7	6.3	3.2	2.2	3.4	1.5	1.6	5.8	4.3	4.6	3.6	6.2	2.3	3.8
40M	2.6	11.3	22.9	10.2	7.0	2.8	3.5	3.0	0.9	3.7	5.9	3.2	3.8	4.3	7.3	4.0	3.5

TOKAI-40 8 / 1979

TABLE 4.2-8C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.0	1.2	1.0	0.9	0.9	1.1	1.5	1.9	2.2	2.5	2.3	2.2	2.6	2.2	2.1	1.9	1.8	1.9	1.9	1.7	1.8	1.6	1.2	1.1	
SIGMA	1.2	1.1	0.8	0.7	0.7	0.8	1.2	1.3	1.2	1.2	0.9	1.2	1.1	1.2	1.3	1.3	1.2	1.3	1.3	1.2	1.0	1.3	1.2	1.2	
20M																									
MEAN	1.6	1.7	1.5	1.5	1.3	1.6	2.0	2.5	2.7	3.2	3.1	5.0	3.3	3.0	2.9	2.8	2.9	2.6	2.4	2.5	2.2	1.8	1.6		
SIGMA	1.5	1.4	1.1	0.9	1.0	1.1	1.4	1.6	1.5	1.4	1.1	10.5	1.5	1.4	1.9	1.8	1.7	1.8	1.6	1.5	1.3	1.6	1.5	1.5	
40M																									
MEAN	2.6	2.7	2.7	2.6	2.5	2.8	2.8	3.2	3.4	3.8	3.7	4.4	4.2	3.7	3.8	3.8	3.7	3.9	3.7	3.5	3.4	3.3	2.7	2.6	
SIGMA	1.8	1.6	1.1	1.0	1.3	1.1	1.7	2.0	1.9	1.8	1.3	3.5	1.9	1.8	2.5	2.3	1.9	2.3	2.1	1.9	1.6	1.9	1.8	1.8	
TEMPERATURE																									
MEAN	24.0	23.7	23.5	23.4	23.3	23.7	24.9	25.7	26.4	27.1	27.3	26.8	27.6	27.8	27.9	27.3	26.8	26.1	25.6	25.4	25.2	25.1	24.7	24.4	
SIGMA	1.9	2.0	1.8	1.8	1.7	1.6	1.8	1.9	2.0	1.9	2.1	5.1	2.5	2.3	2.6	2.4	2.1	1.8	1.7	1.8	1.8	1.8	1.8	1.9	
HUMIDITY																									
MEAN	91.5	91.1	91.4	92.3	91.3	90.3	85.1	83.8	81.4	78.0	77.4	76.3	77.3	77.1	76.2	79.5	82.3	84.3	87.3	87.5	88.0	88.1	89.5	90.5	
SIGMA	4.9	5.5	5.8	4.8	4.8	7.0	6.4	8.5	8.0	9.0	8.1	9.1	9.5	9.6	7.7	9.1	8.3	7.0	7.5	6.5	6.4	5.8	6.0	5.1	
LAPSE RATE																									
MEAN	0.0	-0.2	-0.3	-0.1	-0.0	-0.4	-1.6	-2.1	-2.4	-2.6	-2.9	-2.8	-2.8	-2.9	-2.6	-2.3	-2.1	-1.5	-0.9	-0.8	-0.5	-0.7	-0.4	-0.1	
SIGMA	1.1	1.3	1.4	1.1	1.5	1.4	0.8	0.7	0.6	0.6	0.6	0.8	0.8	0.8	0.9	1.1	0.9	1.3	1.6	1.2	1.3	1.0	1.1	0.9	
STABIL. RATIO																									
MEAN	-0.3	-0.3	-0.5	-0.3	-0.3	-0.4	-0.6	-0.6	-0.8	-0.6	-0.7	-0.6	-0.5	-0.6	-0.7	-0.8	-0.9	-0.7	-0.4	-0.4	-0.2	-0.2	-0.4	0.0	
SIGMA	0.3	0.4	0.6	0.6	0.4	0.5	0.5	0.5	0.8	0.6	0.4	0.4	0.5	0.4	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.3	0.4	0.8	
RADIATION																									
MEAN	-1.9	-1.7	-1.5	-1.6	-1.2	-0.6	11.6	19.6	28.9	35.6	39.4	40.8	37.8	33.5	29.1	18.3	8.9	-1.5	-2.1	-2.2	-2.1	-2.1	-1.9	-1.9	
SIGMA	1.1	1.0	1.0	1.0	1.1	0.8	6.5	10.9	13.1	14.9	19.5	23.3	18.5	16.6	13.5	10.0	5.1	0.9	1.1	1.0	1.0	1.1	1.1	1.1	

TABLE 4.2-8D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	8			1	1	1	1	2	1										
A-B	58	3	6	8	11	3	6	6	1		6	2	2	1	3				
B	105	10	21	15	12	5	7	6	6		3	3	4	3	6				2
B-C	23	5	14	3															
C	34	6	17	2															
C-D	12	2	7																
D1	96	13	19	15	9	3	3	4	1		10	1	3	4	7	2	2	2	1
D2	198	49	24	14	3	6	3	3	1		14	12	7	15	25	9	4	4	
E	31	16	7	4							2	1							1
F	9	4	2								1								
G	165	12	12	23	4	1	2	2	6		4	9	12	19	31	16	12	12	4
LACK	4																		

TOKAI-40 8 / 1979

TABLE 4.2-8E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	120																			
0.5-0.9	8	6	16	3	5	3	1	2	5	3	5	11	16	23	7	7	7	0	120	
1.0-1.9	28	33	31	25	8	11	8	4	8	11	10	10	13	18	5	8	8	1	121	
2.0-2.9	43	35	25	7	3	6	6	4	3	8	3	1					1	1	231	
3.0-3.9	28	35	8	1			1		1	5									147	
4.0-4.9	7	15							2	9									79	
5.0-5.9	1	1								4									33	
6.0-6.9										2									7	
7.0-7.9																			2	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
TOTL	120	115	125	80	36	16	20	16	10	19	42	19	22	29	41	13	16	5	744	
20M																				
-0.4	63																			
0.5-0.9	1	7	7	3	4	2		1	1	3	1	1	9	5	18	11	5	0	63	
1.0-1.9	8	21	18	19	11	6	10	4	4	5	9	11	16	20	26	5	15	77	204	
2.0-2.9	23	44	19	17	7	7	10	6	6	3	7	9	8	2	2	1	8	173	373	
3.0-3.9	17	36	21	8	2	1	5			1	7	4	1					103	253	
4.0-4.9	15	39	12							1	2	1	1					69	212	
5.0-5.9	5	18	2							1	3	2	2					31	111	
6.0-6.9	2	1								2	6	4	2					6	11	
7.0-7.9											4	2						4	6	
8.0-8.9											2	2						0	4	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
TOTL	63	71	166	79	47	24	16	25	11	12	43	32	34	27	46	17	28	3	744	
40M																				
-0.4	19																			
0.5-0.9	10	20	10	9	4	6	7	2	2	1	5	3	10	12	16	10	2	0	19	
1.0-1.9	12	25	16	18	9	11	5	1	4	4	8	8	10	15	29	13	6	8	133	
2.0-2.9	19	41	16	13	5	7	6	4	10	5	5	7	5	3	6	3	9	1	190	
3.0-3.9	18	38	19	7	1	1	4		2	5	5	2	1	1	1	1	1	1	159	
4.0-4.9	16	20	11	2					2	2	5	4							101	
5.0-5.9	6	21	2	1					1	1	4								56	
6.0-6.9	2	2							1	1	2								35	
7.0-7.9	1	1							2	2	2								7	
8.0-8.9									2	2	3								8	
9.0-9.9									2	2	3								5	
10.0-									2	2	5								8	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	
TOTL	19	84	170	76	52	21	26	22	7	27	43	24	28	32	54	30	26	3	744	

TOKAI-40 9 / 1979

TABLE 4.2- 9A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMID-ITY PERCENT	PRECIP-ITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET	WIND		WIND	
						SPD(10) M/S	SPD(20) M/S	SPD(10) M/S	SPD(20) M/S
1	23.5	75.2	0.0	325.8	-34.2	1.7	2.4	1.7	3.7
2	22.7	92.3	2.5	85.8	-9.6	0.6	0.8	0.6	1.3
3	25.0	91.1	0.0	356.4	-18.6	1.0	1.3	1.0	2.0
4	24.6	95.1	19.5	127.8	-15.0	1.7	2.5	1.7	3.7
5	25.7	71.3	0.5	493.8	-43.2	1.7	2.4	1.7	4.0
6	21.7	71.0	0.0	564.0	-42.6	1.4	1.8	1.4	2.6
7	23.4	86.4	1.0	178.8	-12.6	0.6	0.9	0.6	1.7
8	24.0	73.8	0.0	501.6	-25.2	1.9	2.5	1.9	3.5
9	23.6	72.5	1.0	277.2	-10.2	2.0	2.5	2.0	3.4
10	22.4	77.1	0.5	394.8	-28.8	2.1	2.8	2.1	3.9
11	21.4	65.8	0.0	522.6	-45.6	1.1	1.4	1.1	2.5
12	20.9	68.3	0.0	499.2	-48.6	1.8	2.4	1.8	3.6
13	21.5	71.7	0.0	424.2	-43.8	1.9	2.6	1.9	3.7
14	22.9	70.4	0.0	359.4	-26.4	1.7	2.5	1.7	3.5
15	23.3	82.0	2.5	163.8	-9.6	1.1	1.8	1.1	3.0
16	21.1	68.9	1.5	422.4	-24.0	1.1	1.6	1.1	2.5
17	21.0	60.9	0.0	305.4	-14.4	3.0	3.8	3.0	4.8
18	22.1	78.9	0.0	325.8	-21.0	1.1	1.4	1.1	2.4
19	23.2	75.1	1.5	367.8	-30.6	2.0	2.8	2.0	4.1
20	22.2	69.7	0.0	493.2	-25.8	2.4	3.0	2.4	3.8
21	23.4	84.5	0.0	307.8	-25.2	0.8	1.0	0.8	1.8
22	25.6	78.3	0.0	354.6	-15.6	1.5	2.3	1.5	3.3
23	23.6	83.8	2.5	361.2	-8.4	2.9	3.7	2.9	5.0
24	18.4	81.3	0.0	76.2	-1.2	3.6	4.5	3.6	5.6
25	18.4	88.3	6.0	73.2	-1.8	2.0	2.7	2.0	3.8
26	20.2	88.8	21.5	122.4	-6.6	1.2	1.6	1.2	2.4
27	21.8	92.7	10.5	107.4	-10.2	0.9	1.5	0.9	2.4
28	17.9	87.1	19.5	167.8	-10.2	4.2	5.5	4.2	7.2
29	19.8	83.0	3.0	116.4	-0.6	3.6	4.7	3.6	6.0
30	22.3	91.7	60.5	69.6	-7.8	3.6	4.8	3.6	6.5
MONTH	22.3	78.7	154.0	294.9	-20.6	1.9	2.5	1.9	3.6
LACK	0	25	0	0	0	0	0	0	0

TABLE 4.2- 9B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	15.3	19.3	11.8	6.8	3.5	2.2	1.9	2.6	3.8	3.5	3.6	2.5	1.8	6.1	8.9	2.8	3.6
20M	8.1	17.0	14.0	6.8	4.3	1.4	1.8	2.9	3.6	3.2	4.9	4.2	2.1	6.0	10.4	4.2	5.1
40M	2.9	16.4	14.4	7.5	4.3	2.0	2.1	4.3	3.6	2.8	6.3	3.8	2.2	5.4	9.8	5.9	6.3

TOKAI-40 9 / 1979

TABLE 4.2-9C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.5	1.5	1.2	1.2	1.2	1.1	1.6	1.8	2.1	2.3	2.5	2.7	2.7	2.6	2.7	2.8	2.2	2.0	1.9	1.7	1.4	1.3	1.3	1.4	
SIGMA	1.4	1.5	1.3	1.4	1.4	1.2	1.2	1.5	1.3	1.3	1.2	1.0	1.2	1.3	1.4	1.6	1.2	1.3	1.5	1.4	1.5	1.5	1.3	1.5	
20M																									
MEAN	2.1	2.2	1.8	1.7	1.8	1.7	2.1	2.4	2.8	2.9	3.2	3.4	3.3	3.4	3.4	3.6	2.9	2.9	2.8	2.5	2.0	1.9	1.9	1.9	
SIGMA	1.9	1.9	1.7	1.8	1.8	1.5	1.6	1.9	1.6	1.7	1.5	1.3	1.5	1.6	1.7	2.0	1.6	1.5	2.0	1.7	1.8	2.0	1.6	1.8	
40M																									
MEAN	3.4	3.4	2.9	3.0	2.9	2.9	2.9	3.0	3.6	3.7	4.0	4.3	4.2	4.3	4.4	4.8	4.1	4.1	3.9	3.6	3.2	3.2	3.4	3.1	
SIGMA	2.1	2.1	1.9	2.1	2.0	1.7	1.8	2.3	2.1	2.2	1.8	1.6	1.9	1.9	2.2	2.5	2.0	1.8	2.3	2.0	2.0	2.2	1.9	2.2	
TEMPERATURE																									
MEAN	20.4	20.2	19.9	19.7	19.5	19.7	20.8	22.1	23.1	23.7	24.2	24.6	24.9	24.7	24.6	24.1	23.7	23.2	22.8	22.4	22.0	21.5	21.3	20.8	
SIGMA	2.1	2.2	2.4	2.3	2.3	2.4	2.2	2.3	2.8	3.0	3.1	3.2	3.2	2.8	2.8	2.5	2.4	2.2	2.0	1.9	1.9	1.9	2.1	2.1	
HUMIDITY																									
MEAN	84.8	85.1	86.2	86.7	87.1	86.3	82.6	79.5	75.3	72.6	70.1	69.1	69.9	71.1	72.9	73.1	76.1	76.8	77.6	79.5	80.0	82.0	83.0	84.6	
SIGMA	9.2	10.0	9.6	9.3	8.3	8.7	10.5	13.2	13.6	14.0	13.9	14.0	16.5	13.5	14.8	13.3	12.5	12.4	11.3	10.9	10.9	9.6	9.8	9.6	
LAPSE RATE																									
MEAN	0.5	0.5	0.9	1.0	1.3	0.9	-0.7	-1.6	-2.0	-2.1	-2.2	-2.5	-2.4	-2.2	-2.0	-1.7	-1.2	-0.7	-0.3	0.2	0.1	0.5	0.3	0.9	
SIGMA	1.8	1.9	2.1	2.4	2.6	2.6	1.1	0.7	0.9	0.7	0.9	0.8	0.9	0.9	0.9	0.7	0.5	0.8	1.2	1.5	1.3	1.8	1.4	2.7	
STABIL. RATIO																									
MEAN	0.3	0.2	**	-0.1	0.0	0.4	-0.4	-0.7	-0.5	-0.5	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.1	-0.1	0.0	-0.2	0.0	-0.1	-0.2	
SIGMA	0.9	0.5	**	0.4	0.7	1.6	0.5	0.9	0.5	0.5	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.6	0.4	0.5	0.2	0.7	0.4	0.3	
RADIATION																									
MEAN	-1.5	-1.5	-1.5	-1.5	-1.6	-0.3	0.0	20.6	31.0	36.7	42.9	44.9	43.1	33.9	26.1	15.7	-0.3	-2.0	-2.0	-1.9	-1.7	-1.6	-1.6	-1.6	
SIGMA	1.4	1.2	1.4	1.3	1.4	0.6	0.0	13.3	20.2	23.0	26.4	27.1	24.7	20.8	15.6	10.8	0.6	1.6	1.6	1.5	1.4	1.4	1.2	1.4	1.5

TABLE 4.2-9D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	MNW	N	LACK	
A	11																		
A-B	68	2	9	11	11	9	4	3		1	3	4	2	1	3	1			
B	73	6	16	14	6	3	7	3	1	3	4	3		1	2	1			
B-C	11	1	3	4					1	1	1								
C	22	4	5	1	1				3	1	5								
C-D	5	1	3						1										
D1	80	36	12	2	2	2	2	5	5	1	2	5	2	2	4	2			
D2	298	75	28	9	5	2	2	14	16	15	8	7	36	42	11	26			
E	19	9	4	3				2	2	1									
F	4	2	1	1				1											
G	129	9	8	4	3	4	1	4	1	7	6	4	4	20	35	14	4	1	
LACK																			

TOKAI-40 9 / 1979

TABLE 4.2-9E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	MNW	N	LACK	TOTL	
	110																			
-0.4																				
0.5-0.9		6	7	4	4	3	2	2	2	7	9	5	8	24	41	14	11	0	110	
1.0-1.9		20	9	10	10	9	7	3	3	10	5	13	5	20	21	4	9	1	148	
2.0-2.9		30	31	22	7	6	2	9	6	5	8	5	5	20	21	4	9	1	164	
3.0-3.9		41	16	12	3	1	1	1	9	3	4				2	2	3		133	
4.0-4.9		25	16	1					9	3							3		93	
5.0-5.9		9	6						6										48	
6.0-6.9		8							1										16	
7.0-7.9																			8	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	110	139	85	49	24	16	14	19	27	25	26	18	13	44	64	20	26	1	720	
20M																				
-0.4	58																			
0.5-0.9		3	4	2	3	2	1	1	1	1	7	3	2	10	33	16	7	0	58	
1.0-1.9		9	6	5	10	2	7	2	2	9	16	14	8	28	35	12	17	0	93	
2.0-2.9		21	18	12	10	8	5	3	3	5	4	7	5	4	4	4	7	1	183	
3.0-3.9		19	34	17	6	2	8	4	4	4	4	5	1	1	3	1	2	1	122	
4.0-4.9		31	33	10	2			7	7	3	3	1			3	1	2		110	
5.0-5.9		21	16	2				5	5	1	1						4		75	
6.0-6.9		7	5	1				4											46	
7.0-7.9		7	5																17	
8.0-8.9		4																	12	
9.0-9.9																			4	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	58	122	101	49	31	10	13	21	26	23	35	30	15	43	75	30	37	1	720	
40M																				
-0.4	21																			
0.5-0.9		7	4	3	4	3	1	2	1	1	2	2	2	14	23	3	1	0	21	
1.0-1.9		10	10	8	8	6	6	4	3	5	11	6	5	17	32	13	11	1	22	
2.0-2.9		13	27	15	8	2	2	3	4	4	18	9	8	17	32	14	14	1	111	
3.0-3.9		9	26	12	6	1	2	6	6	4	4	6	1	7	11	10	8	1	180	
4.0-4.9		24	12	5	3			7	6	3	4	2		1	2	4	4	1	128	
5.0-5.9		28	5	6	3			4	8	2	4	2		1	1	1	6		85	
6.0-6.9		11	7	2				4	2	2	4	2			1	1	1		72	
7.0-7.9		3	4	2				2	1	2	2				1		1		49	
8.0-8.9		9	3					2	2										22	
9.0-9.9		4	1																13	
10.0-																			12	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
TOTL	21	118	103	54	31	14	15	31	26	20	45	27	16	39	70	42	45	3	720	

TOKAI-40 10 / 1979

TABLE 4.2-10A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	26.4	66.5	0.0	429.6	-22.8	3.2	4.4	6.1
2	21.0	76.6	1.0	86.4	-7.8	4.1	5.2	6.8
3	19.7	90.0	7.0	71.4	-9.0	3.5	4.5	5.9
4	21.4	85.7	0.0	252.6	-7.8	1.1	1.3	2.1
5	22.0	69.0	0.0	278.4	-10.8	2.6	3.3	4.5
6	17.0	87.3	12.0	69.6	-11.4	1.2	1.8	3.2
7	16.2	84.0	29.5	64.2	-7.2	5.1	6.6	9.0
8	18.2	82.3	1.5	349.2	-40.2	2.1	2.9	4.0
9	18.7	72.2	0.0	414.6	-36.0	1.8	2.5	3.5
10	19.2	78.9	0.0	295.2	-21.6	1.3	1.8	2.7
11	18.1	86.1	33.0	174.6	-36.0	1.2	1.7	3.2
12	18.5	73.1	0.0	310.8	-39.6	2.9	3.7	5.3
13	18.4	77.6	3.0	131.4	-39.6	2.6	3.5	4.9
14	16.4	75.0	0.0	**	-64.9	1.4	2.2	3.9
15	17.7	75.4	0.0	415.2	-46.8	1.3	1.7	2.9
16	18.2	69.4	0.0	328.8	-55.8	2.4	3.1	4.9
17	18.9	73.8	30.0	386.4	-23.4	1.3	1.8	3.2
18	20.5	82.7	104.0	135.6	-11.4	2.5	3.6	5.9
19	23.0	68.8	74.0	42.6	-30.0	6.7	9.1	12.6
20	18.7	56.7	0.0	401.4	-66.6	1.4	2.4	3.7
21	16.8	73.0	0.0	375.0	-49.2	1.1	1.6	2.9
22	14.7	61.7	0.0	399.0	-65.4	1.4	1.9	3.4
23	13.4	68.8	0.0	382.8	-57.0	1.0	1.4	2.5
24	14.5	84.7	0.0	188.4	-28.2	1.2	1.7	2.8
25	15.1	84.7	0.0	348.0	-40.2	1.4	2.1	3.2
26	16.0	82.1	0.0	305.4	-31.8	0.9	1.3	2.5
27	16.8	82.0	0.0	310.2	-30.6	0.9	1.4	2.4
28	16.9	74.6	0.0	272.4	-20.4	0.9	1.3	2.6
29	17.4	83.3	0.0	115.8	-18.6	0.8	1.1	2.3
30	16.6	75.7	11.5	262.8	-29.4	1.2	1.7	3.1
31	13.6	75.0	0.0	358.2	-42.0	1.2	1.8	3.3
MONTH	18.1	76.7	306.5	265.2	-32.2	2.0	2.7	4.2
LACK	10	11	9	9	1	10	10	10

TABLE 4.2-10B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	10.5	16.1	7.1	3.7	2.0	2.0	2.3	3.7	3.3	1.2	3.5	1.9	3.5	11.2	18.9	4.1	5.2
20M	4.2	15.7	7.8	4.0	2.0	2.2	2.2	5.0	2.6	2.0	2.7	2.6	4.1	10.9	20.6	5.9	5.6
40M	1.1	15.1	7.5	4.5	1.8	2.3	3.7	4.4	3.4	1.9	3.4	1.9	3.7	9.7	22.1	7.4	6.1

TOKAI-40 10 / 1979

TABLE 4.2-10C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.5	1.5	1.5	1.9	1.8	1.6	1.8	2.1	2.3	2.6	2.7	2.5	2.9	2.9	2.7	2.4	2.1	1.8	1.7	1.6	1.7	1.5	1.2	1.4
SIGMA	1.2	1.3	1.5	1.8	2.0	1.5	1.6	1.5	1.7	1.9	2.0	1.7	2.2	2.5	2.5	2.4	2.2	2.1	1.9	1.4	1.4	1.6	1.1	1.5
20M																								
MEAN	2.2	2.2	2.3	2.9	2.6	2.4	2.5	2.6	2.9	3.3	3.4	3.2	3.6	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.6	2.3	1.9	2.0
SIGMA	1.7	1.7	1.9	2.4	2.5	1.8	2.1	2.0	2.3	2.4	2.4	2.3	2.7	3.1	3.2	3.0	2.7	2.5	2.4	1.8	1.8	2.0	1.5	1.9
40M																								
MEAN	3.9	4.0	4.0	4.5	4.6	4.1	4.2	3.8	4.0	4.3	4.3	4.1	4.7	4.8	4.6	4.6	4.5	4.2	4.0	3.7	4.1	3.9	3.5	3.8
SIGMA	1.9	2.1	2.2	2.9	2.8	2.3	2.4	2.6	3.0	3.0	3.2	3.2	3.8	3.9	4.0	4.0	3.4	3.2	2.8	2.1	2.1	2.4	1.8	2.3
TEMPERATURE																								
MEAN	16.0	15.9	15.5	15.4	15.2	16.1	17.7	19.3	20.3	21.0	21.3	21.5	21.5	21.5	21.3	20.6	19.5	18.7	18.2	17.8	17.4	17.0	16.3	15.9
SIGMA	3.7	3.7	3.9	4.1	4.1	4.2	4.0	3.2	3.1	3.1	3.0	3.0	3.0	2.7	2.5	2.4	2.5	2.6	2.6	2.8	3.0	3.1	3.2	3.2
HUMIDITY																								
MEAN	85.4	84.6	86.3	86.0	86.4	86.6	83.5	78.0	72.2	68.3	64.5	63.9	63.1	62.2	63.8	66.9	72.9	77.2	77.7	79.2	80.6	81.2	83.3	84.2
SIGMA	10.1	9.7	9.0	8.9	8.4	9.0	11.1	11.6	13.1	16.0	14.8	15.2	16.1	17.2	17.2	15.0	11.8	9.9	10.6	10.6	10.2	10.5	9.8	10.4
LAPSE RATE																								
MEAN	1.9	1.6	1.5	1.6	2.2	2.4	0.2	-1.4	-1.9	-2.1	-2.1	-2.2	-1.9	-1.8	-1.5	-0.5	1.4	2.1	2.3	2.2	1.6	1.4	1.9	1.9
SIGMA	2.8	3.0	2.7	2.7	3.2	3.4	2.0	1.1	0.9	0.9	0.9	0.9	1.0	0.8	0.9	1.0	3.1	3.9	3.3	3.3	2.5	2.1	3.0	2.5
STABILITY RATIO																								
MEAN	0.4	1.0	0.7	0.4	0.6	0.4	0.2	-0.6	-0.8	-0.6	-0.6	-0.7	-0.5	-0.5	-0.2	0.1	-0.1	0.0	0.5	0.5	0.8	1.1	0.8	
SIGMA	0.7	1.9	1.5	0.8	1.4	0.9	1.5	0.9	1.0	0.7	0.6	0.6	0.4	0.6	0.7	0.4	0.4	0.5	0.4	1.1	1.0	1.3	2.4	1.5
RADIATION																								
MEAN	-2.0	-2.1	-2.2	-1.9	-1.9	-1.7	0.0	19.5	29.5	39.2	40.9	41.5	36.5	29.2	20.5	8.3	-3.1	-2.7	-2.7	-2.4	-2.4	-2.4	-2.4	-2.5
SIGMA	1.5	1.4	1.6	1.5	1.5	1.4	0.0	10.3	15.8	21.2	24.4	21.2	19.6	16.8	10.8	4.2	1.8	1.7	1.6	1.7	1.7	1.7	1.6	1.7

TABLE 4.2-10D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	22			2	3	5	3	1	1	1		2		3				1
A-B	70	3	4	8	5	5	3	3	1	6	6	4	4	11	8	2		1
B	53	6	5	8	3	2	5	3	2	5	1	1	1	2	8	2		1
B-C	8	2	3	1				1		1								
C	24	6	6	1				5	3					1				
C-D	5	1	4															1
D1	88	27	14	4	2	1	1	5	11	3	1	1	1	5	7	1		5
D2	221	43	10	2	1	1	5	8	7	4	11	4	13	31	55	14		12
E	11	7	2	1														1
F	19	12	2	1										2				1
G	213	11	3	1	1	3	1	5	3	5	2	7	11	36	83	20		21
LACK	10																	

TOKAI-40 10 / 1979

TABLE 4.2-10E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	MNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	77																		0	77
0.5-0.9		19	3	3	2	2	3	2	1	1	8	7	13	25	71	16	8		0	165
1.0-1.9		29	6	9	10	8	7	3	1	5	4	5	10	39	64	14	25			229
2.0-2.9		31	9	11	3	5	3	11	5	1	5	2	3	13	3		3			106
3.0-3.9		16	13	4		2	2	9	1	3	3		3	2			2			68
4.0-4.9		12	15	6				1	2					2						39
5.0-5.9		4							1		1									21
6.0-6.9		3						2	3	2	1				1					6
7.0-7.9		1							2		1									10
8.0-8.9		1							2		1									4
9.0-9.9		2							3		1									4
10.0-		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
TOTL	77	118	52	27	15	15	17	27	24	9	24	14	26	82	139	30	38	10	10	744
20M																				
-0.4	31																			0
0.5-0.9		1	1	1	1	3	3	2	1	3	9	4	1	4	39	18	5			31
1.0-1.9		2	6	7	10	7	4	5	3	7	7	17	17	37	96	21	13			84
2.0-2.9		20	9	11	3	6	3	5	1	2	3	4	9	25	13	4	18			251
3.0-3.9		27	6	8	2	2	1	12	2	2	2	3	2	4	2		2			136
4.0-4.9		26	11	2		1	6	1	1		2	3	2	7	2		3			173
5.0-5.9		17	13			3	3	3	3		2	1	1	7	7		3			57
6.0-6.9		9	10			1	1	1	2	1				3						43
7.0-7.9		5																		24
8.0-8.9		3													1					9
9.0-9.9		3																		3
10.0-		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
TOTL	31	115	57	29	15	16	16	37	19	15	20	19	30	80	151	43	41	10	10	744
40M																				
-0.4	8																			0
0.5-0.9		1	1	1	5	4	4	4	5	3	1	3	5	12	17	3	1			8
1.0-1.9		3	3	12	6	5	7	6	5	4	6	3	11	24	46	13	10			11
2.0-2.9		4	5	12	1	4	1	3	2	3	4	4	6	19	75	18	14			91
3.0-3.9		17	7	7	1	4	3	3	2	3	6	4	6	19	75	18	14			162
4.0-4.9		20	3	11	1	2	5	5	1	1	3	3	3	7	21	10	9			188
5.0-5.9		17	6	11			1	1	1	1	1	1	1	3	2		3			97
6.0-6.9		22	10	1		1	3	4	1	1	1	1	1	3	2		1			36
7.0-7.9		9	14				1	3	1	1	1	1	1	3	1		1			49
8.0-8.9		8	6				2	1	1	1	1	1	1	1						31
9.0-9.9		4												2						20
10.0-		9	0	0	0	0	3	4	1	3	3	0	0	0	1		0			9
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
TOTL	8	111	55	33	13	17	27	32	25	14	25	14	27	71	162	54	45	10	10	744

TOKAI-40 11 / 1979

TABLE 4.2-11A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	15.2	71.0	0.0	363.0	-38.4	1.3	1.8	3.3
2	17.1	75.5	0.0	326.4	-52.2	1.5	2.3	3.6
3	15.4	74.0	0.0	274.2	-36.0	1.6	2.3	3.7
4	17.0	89.1	1.5	94.2	-10.2	1.0	1.6	2.8
5	19.4	90.5	0.5	126.0	-6.6	1.1	1.9	3.1
6	18.1	59.6	0.0	337.8	-40.8	1.9	2.7	4.8
7	12.3	68.7	0.0	291.6	-65.4	0.9	1.5	2.8
8	13.0	74.3	0.0	314.4	-64.2	1.3	1.9	3.3
9	14.7	71.0	0.0	219.6	-31.2	2.0	2.7	4.0
10	15.3	86.2	19.5	46.2	-16.2	1.7	2.4	4.4
11	18.1	79.8	26.5	243.6	-32.4	3.8	5.3	8.1
12	16.0	79.5	0.5	218.4	-15.0	1.7	2.4	3.7
13	12.4	60.3	0.5	236.4	-42.6	1.5	1.9	3.3
14	7.6	50.8	0.0	319.2	-87.6	1.4	2.3	3.7
15	8.2	75.4	0.0	159.6	-33.0	1.5	2.0	3.6
16	11.2	72.3	0.0	246.0	-40.2	1.0	1.4	2.8
17	12.2	73.4	6.5	163.8	-22.2	2.6	3.4	5.1
18	10.7	95.2	9.5	31.8	-5.4	2.0	3.0	4.2
19	10.1	69.9	0.0	79.2	-34.8	1.3	2.3	4.1
20	7.7	67.3	0.0	286.2	-78.0	1.9	2.7	4.4
21	10.1	69.7	0.0	287.4	-43.2	2.3	3.3	4.9
22	13.7	88.4	11.0	55.2	-7.2	1.4	2.2	3.4
23	13.1	91.7	10.5	66.6	-5.4	2.3	3.4	4.6
24	9.0	71.5	0.5	63.6	-13.2	1.8	3.2	4.2
25	11.0	91.0	3.5	38.4	-4.5	2.3	3.8	4.9
26	12.3	91.1	7.0	126.6	-15.6	1.1	1.5	2.4
27	12.5	72.0	0.0	220.2	-40.8	2.2	3.0	4.6
28	13.9	81.9	23.0	78.6	-13.2	2.7	3.7	5.2
29	15.4	86.6	27.5	71.4	-11.4	1.0	1.6	2.9
30	11.4	57.8	0.0	262.8	-55.8	1.8	2.5	3.9
MONTH	13.1	76.0	148.0	188.3	-32.2	1.7	2.5	4.0
LACK	1	24	0	0	1	1	1	1

TABLE 4.2-11B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	11.5	17.1	8.6	3.9	1.1	0.6	0.7	1.4	1.4	1.3	3.1	3.9	3.9	12.5	17.2	5.4	6.4
20M	4.2	17.5	9.2	4.3	1.5	0.3	0.8	1.8	1.0	0.8	3.3	4.6	4.7	10.2	21.3	7.2	7.2
40M	0.6	17.4	10.0	4.6	1.5	0.6	1.1	1.5	1.4	1.7	3.9	4.3	3.9	9.6	21.7	8.8	7.5

TOKAI-40 11 / 1979

TABLE 4.2-11C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.3	1.3	1.3	1.4	1.5	1.5	1.4	1.6	1.9	2.2	2.3	2.6	2.5	2.6	2.3	2.1	1.9	1.7	1.4	1.4	1.4	1.2	1.4	1.3	1.3
SIGMA	0.7	0.9	1.0	1.6	1.7	1.7	1.8	1.6	1.5	1.5	1.4	1.0	1.1	1.1	1.2	1.4	1.3	1.2	1.2	1.1	1.1	0.9	0.9	1.0	1.0
20M																									
MEAN	2.0	2.1	2.2	2.3	2.4	2.4	2.1	2.2	2.6	3.0	3.0	3.4	3.2	3.3	3.0	2.8	2.6	2.2	2.2	2.2	2.0	2.2	2.0	2.1	2.1
SIGMA	1.0	1.4	1.3	2.1	2.2	2.1	2.2	2.0	2.0	2.0	1.8	1.3	1.4	1.4	1.7	1.6	1.4	1.5	1.4	1.5	1.4	1.2	1.3	1.4	1.3
40M																									
MEAN	3.9	3.9	3.9	4.2	4.0	4.3	3.8	3.3	3.7	4.2	3.9	4.5	4.3	4.6	4.5	4.4	4.3	4.1	3.5	3.9	3.3	3.8	3.6	3.9	
SIGMA	1.3	1.8	1.8	2.7	2.7	2.5	2.6	2.3	2.4	2.4	2.3	1.7	1.7	1.8	2.0	2.2	1.9	1.7	1.5	1.4	1.4	1.6	1.5	1.3	
TEMPERA-																									
TURE																									
MEAN	11.7	11.2	11.0	10.8	10.7	10.7	10.9	12.4	13.9	14.9	15.5	15.9	16.1	16.0	15.7	15.1	14.4	13.9	13.2	13.0	12.5	12.1	11.8	11.7	
SIGMA	4.0	4.1	4.2	4.2	4.3	4.4	4.4	3.8	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.1	2.9	3.1	3.0	3.3	3.4	3.7	3.7	4.0	
HUMIDITY																									
MEAN	82.2	83.3	83.7	83.7	84.1	83.5	82.8	77.9	71.7	67.3	65.8	64.3	65.2	65.4	66.9	69.9	72.0	75.1	77.2	77.6	80.2	81.4	81.6	81.6	
SIGMA	12.5	13.2	12.5	11.4	12.0	10.7	13.4	15.8	18.6	18.6	18.4	17.2	17.4	17.0	16.0	13.9	12.6	12.4	12.7	12.4	11.6	12.7	12.7	12.5	
LAPSE																									
RATE	1.3	1.6	1.4	1.6	2.1	2.2	1.6	-1.2	-1.6	-1.7	-1.9	-2.1	-1.8	-1.7	-1.3	-0.3	0.3	0.6	1.2	0.8	1.4	1.1	1.2	0.9	
MEAN	2.4	3.0	2.6	2.7	2.8	3.0	2.4	1.0	1.3	1.1	1.2	0.9	0.9	0.6	0.5	1.1	2.0	2.2	2.9	2.1	3.3	2.9	3.3	1.8	
SIGMA	0.4	0.4	0.5	0.5	0.9	1.0	0.9	-0.5	-0.7	-0.7	-0.7	-0.5	-0.5	-0.4	-0.3	-0.1	0.2	-0.1	-0.2	0.0	0.5	0.6	-0.0	0.3	
STABIL-	1.0	1.4	1.4	0.6	1.4	2.9	1.9	0.5	0.7	0.7	0.9	0.5	0.5	0.3	0.2	0.3	1.4	0.2	0.4	0.4	1.4	2.2	0.3	0.7	
RATIO																									
MEAN	-2.2	-2.3	-2.3	-2.4	2.5	-2.3	-0.8	12.5	20.8	26.3	32.8	33.6	26.3	20.2	12.2	3.5	-2.8	-2.6	-2.2	-2.1	-1.9	-1.8	-1.8	-2.1	
SIGMA	1.9	2.0	1.9	1.9	2.0	2.1	1.3	8.3	14.5	18.0	19.2	18.9	16.7	12.9	7.9	1.9	2.1	2.1	2.0	1.9	1.8	2.0	1.8	1.9	

TABLE 4.2-11D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	9					1	2	1					1	2	1			
A-B	38		1	2	1	2	1	1					1	4	10	5	1	
B	51	2	2	3	3			1					1	10	13	3	1	
B-C	19	5	10	8														
C	18	4	9	1														
C-D	17	2	4	4				1						1	1	1		
D1	128	35	17	4			1	4	3	6	5	7	7	13	9	7	10	
D2	241	45	14	6	4	2	1	2	2	1	13	15	14	42	43	16	21	
E	16	11	1									1		2			1	
F	19	8	1										1	4	3		2	
G	173	12	4	3				1	1	4	1	5	8	24	72	23	15	
LACK																		1

TOKAI-40 11 / 1979

TABLE 4.2-11E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	83	4	2	1				1	1	3	4	14	13	28	64	15	7	0	83	
1.0-1.9		27	4	15	3	3	4	4	4	6	9	6	12	49	48	17	27		157	
2.0-2.9		36	10	8	3	1	1	3	3	6	7	8	3	11	10	4	8		238	
3.0-3.9		37	27	3	2			2	2	1	1	8	3	2	1	3	2		116	
4.0-4.9		15	12											2	1				82	
5.0-5.9		1	4							1				1			1		29	
6.0-6.9		2		1													1		6	
7.0-7.9		1															1		4	
8.0-8.9			2																1	
9.0-9.9			1																2	
10.0-																			1	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
TOTL	83	123	62	28	8	4	5	10	10	9	22	28	28	90	124	39	46	1	720	
20M																				
-0.4	30																			
0.5-0.9		3	4	6	1	1	2	1	1	5	7	14	22	10	37	16	3	0	30	
1.0-1.9		9	7	13	6	1	4	3	4	1	7	7	6	23	85	20	16		75	
2.0-2.9		22	10	4	1			1	1	4	7	7	4	23	25	9	15		222	
3.0-3.9		32	24	3	1			5	1	1	6	10	4	7	5	4	15		153	
4.0-4.9		35	19	4	1			2	1		1	1		3	5	4	15		104	
5.0-5.9		19	13	3	2			1			1	1		2	1	3	1		73	
6.0-6.9		4	3	3				1			1			2	1		1		43	
7.0-7.9			2														1		9	
8.0-8.9		1	1														1		2	
9.0-9.9		1		1													1		3	
10.0-			2																2	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
TOTL	30	126	66	31	11	2	6	13	7	6	24	33	34	73	123	52	52	1	720	
40M																				
-0.4	4																			
0.5-0.9		3	2	1	1	2	1	1	1	1	2	3	7	4	3	4	5	0	4	
1.0-1.9		12	7	7	1	1	4	3	4	3	5	13	12	28	38	16	11		10	
2.0-2.9		17	7	3				3	1	6	4	7	4	19	58	20	13		60	
3.0-3.9		26	8	8	2			4	2	8	5	4	4	7	25	13	19		162	
4.0-4.9		34	15	5	1	1	2	2	2	6	1	1	1	2	9	3	2		169	
5.0-5.9		23	21	1	1			1	1	1	1	2	1	3	1	2	1		130	
6.0-6.9		6	6	2	1			1	1	1	1	1	1	3	2	1	1		84	
7.0-7.9		2	1	1				1	1	1	1	2	1	1	2	1	1		55	
8.0-8.9			2					2		1	1	1	1	1	2	1	1		22	
9.0-9.9		2	3	2	1			2		1	1	1	1	1	4	4	1		11	
10.0-			3																3	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
TOTL	4	125	72	33	11	4	8	11	10	12	28	31	28	69	156	63	54	1	720	

TOKAI-40 12 / 1979

TABLE 4.2-12A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND			WIND		
						WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	9.4	70.4	2.0	154.2	-33.6	1.6	2.3	3.8	1.6	2.3	3.8
2	6.7	67.8	0.5	243.7	-49.8	1.3	2.0	3.7	1.3	2.0	3.7
3	6.9	67.9	0.5	273.0	-61.2	0.8	1.5	2.7	0.8	1.5	2.7
4	8.9	78.4	0.0	163.8	-31.8	1.1	1.8	2.8	1.1	1.8	2.8
5	12.9	79.1	0.0	201.6	-16.2	1.0	1.6	2.9	1.0	1.6	2.9
6	13.1	75.0	0.0	204.0	-21.6	1.1	1.6	2.8	1.1	1.6	2.8
7	9.1	77.6	0.0	154.2	-49.2	0.5	0.9	2.1	0.5	0.9	2.1
8	9.0	66.1	0.0	238.8	-63.6	1.1	1.5	3.4	1.1	1.5	3.4
9	8.8	57.8	0.0	255.6	-36.6	1.2	1.8	3.3	1.2	1.8	3.3
10	7.5	56.7	0.0	246.4	-65.4	1.4	2.2	4.3	1.4	2.2	4.3
11	4.6	56.4	0.0	274.2	-82.2	1.6	2.6	4.6	1.6	2.6	4.6
12	4.5	62.0	0.0	261.6	-72.6	1.0	1.8	3.5	1.0	1.8	3.5
13	4.4	62.5	0.0	255.6	-70.2	0.8	1.4	3.0	0.8	1.4	3.0
14	4.7	59.0	0.0	262.2	-70.2	0.9	1.7	3.0	0.9	1.7	3.0
15	6.0	63.6	0.0	214.2	-54.7	1.4	2.2	3.8	1.4	2.2	3.8
16	6.0	52.6	0.0	215.4	-75.0	1.2	1.8	3.9	1.2	1.8	3.9
17	4.6	58.4	0.0	254.4	-68.4	0.7	1.5	2.5	0.7	1.5	2.5
18	4.6	68.0	0.0	244.2	-60.0	0.8	1.3	3.0	0.8	1.3	3.0
19	7.1	78.1	0.0	183.0	-28.8	1.1	1.6	3.1	1.1	1.6	3.1
20	11.3	89.3	5.5	219.0	-10.2	1.1	1.8	3.2	1.1	1.8	3.2
21	11.1	83.9	2.5	159.0	-10.2	1.3	1.8	3.3	1.3	1.8	3.3
22	12.2	83.3	0.5	97.2	-18.0	2.4	3.1	4.6	2.4	3.1	4.6
23	8.9	72.0	7.0	141.6	-20.4	1.1	1.7	3.0	1.1	1.7	3.0
24	4.7	78.4	15.5	101.4	-6.6	2.1	3.0	4.2	2.1	3.0	4.2
25	6.6	75.7	0.0	207.6	-37.8	1.1	2.0	3.5	1.1	2.0	3.5
26	4.5	59.5	0.0	270.0	-62.4	0.9	1.6	3.1	0.9	1.6	3.1
27	5.5	67.8	0.0	217.8	-61.2	0.9	2.0	3.3	0.9	2.0	3.3
28	4.3	66.3	0.0	269.4	-60.0	0.7	1.3	2.8	0.7	1.3	2.8
29	7.0	73.3	0.0	118.8	-29.4	0.6	1.4	2.8	0.6	1.4	2.8
30	7.2	**	0.0	275.4	-65.4	0.5	1.5	2.6	0.5	1.5	2.6
31	7.0	**	0.0	236.4	-66.6	1.2	2.9	4.6	1.2	2.9	4.6
MONTH	7.4	69.2	34.0	213.1	-47.1	1.1	1.8	3.3	1.1	1.8	3.3
LACK	4	63	0	2	2	4	4	4	4	4	4

TABLE 4.2-12B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	20.1	7.3	2.7	1.1	0.5	0.7	0.3	0.4	0.8	0.5	3.0	4.5	5.8	14.7	27.0	6.2	4.3
20M	5.4	7.2	3.2	0.8	0.8	0.8	0.5	0.7	1.4	0.9	2.7	5.7	5.9	13.9	35.5	9.2	5.3
40M	1.6	6.9	4.1	1.1	0.8	0.7	0.7	1.4	1.1	1.2	3.2	4.2	5.7	13.0	35.9	13.6	4.9

TOKAI-40 12 / 1979

TABLE 4.2-12C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	0.8	0.9	0.8	0.8	1.0	0.8	0.8	0.9	1.1	1.4	1.8	1.9	2.1	1.7	1.5	1.2	0.9	0.8	0.8	0.9	0.9	0.7	1.0	0.9
SIGMA	0.5	0.4	0.5	0.6	0.6	0.5	0.5	0.6	0.9	1.0	1.2	1.4	0.9	0.9	1.1	0.9	0.9	0.8	0.7	0.6	0.7	0.4	0.6	0.6
20M																								
MEAN	1.6	1.6	1.7	1.7	1.9	1.7	1.7	1.5	1.6	1.9	2.4	2.6	2.8	2.4	2.2	1.8	1.8	1.5	1.5	1.8	1.6	1.4	1.6	1.6
SIGMA	0.7	0.7	0.7	0.9	0.8	0.7	0.7	0.8	0.8	1.3	1.6	1.9	2.0	1.2	1.2	1.4	1.1	1.0	1.0	0.9	0.8	0.5	0.8	0.8
40M																								
MEAN	3.4	3.6	3.6	3.6	3.9	3.5	3.4	3.1	2.6	2.7	3.4	3.7	3.7	3.2	3.2	3.0	3.2	3.0	3.0	3.2	3.3	3.5	3.8	3.7
SIGMA	0.9	1.1	1.0	1.1	1.2	1.0	0.9	0.9	0.9	1.5	1.9	2.4	2.7	1.6	1.7	1.8	1.5	1.8	1.7	1.6	1.0	1.0	1.3	1.2
TEMPERATURE																								
MEAN	4.6	4.2	4.0	3.7	3.6	3.3	3.1	4.8	7.4	10.0	11.5	12.3	12.7	12.9	12.4	11.2	9.7	9.0	8.0	7.1	6.5	5.8	5.4	4.9
SIGMA	3.3	3.4	3.3	3.5	3.7	3.8	3.9	3.3	3.3	3.0	2.6	2.5	2.5	2.4	2.5	2.9	3.1	2.9	2.9	3.0	3.0	3.1	3.0	3.1
HUMIDITY																								
MEAN	80.3	81.4	81.8	82.4	81.8	83.8	84.7	79.8	69.5	59.4	52.1	49.6	48.2	48.7	49.7	57.1	61.9	63.0	66.9	70.3	73.1	75.6	76.6	79.0
SIGMA	9.7	10.0	10.5	9.8	11.9	8.6	6.4	9.1	13.2	14.1	14.5	14.0	14.5	15.4	14.8	15.3	13.8	13.2	12.1	11.9	11.4	10.4	11.1	10.8
LAPSE RATE																								
MEAN	4.3	3.7	4.0	3.9	3.6	5.0	4.5	0.5	-1.9	-2.4	-2.5	-2.4	-2.0	-1.8	-0.9	1.4	3.9	3.9	4.2	4.3	3.8	3.3	2.8	4.4
SIGMA	3.8	3.5	2.8	3.3	3.3	4.7	4.1	1.6	1.0	0.7	0.5	0.7	0.7	0.4	0.5	2.1	4.2	4.6	4.2	4.3	3.8	3.4	2.8	3.8
STABIL. RATIO																								
MEAN	**	2.2	**	**	1.4	**	**	0.4	-1.1	-1.0	-0.9	-1.0	-0.6	-0.7	-0.4	-0.1	**	0.7	**	**	1.8	**	1.9	**
SIGMA	**	1.8	**	**	2.1	**	**	1.3	0.7	0.8	0.6	0.8	0.5	0.5	0.3	0.3	**	1.7	**	**	2.8	**	2.4	**
RADIATION																								
MEAN	-3.2	-3.5	-3.3	-3.0	-3.2	-3.0	-2.4	12.2	22.0	33.1	37.5	36.2	31.7	24.8	13.3	2.8	-3.3	-2.8	-3.0	-3.1	-3.0	-3.3	-3.3	-3.5
SIGMA	2.0	1.8	1.9	2.0	1.9	2.0	1.8	5.2	8.4	8.4	9.7	10.7	11.1	8.4	5.3	0.9	1.7	2.0	1.9	1.8	1.8	1.9	2.0	1.9

TABLE 4.2-12D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	FOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A																		
A-B	96	3	3	2	3	3	1	1	1	1	7	11	5	15	27	10	5	
B	88	1	3	2	1	2	1	3	2	1	7	7	10	17	23	5	3	
B-C	7	1	1	1							1		3					
C	13	4	2								2							
C-D	2																	
D1	71	15	6	3	3	1	4	2	3	1	5	8	5	14	3	3	1	
D2	125	18	3	2	2	1	1	1	2	2	5	12	23	34	16	9	9	
E	6	1	2															
F	7	2																
G	325	12	1	2	1	1	4	1	4	8	13	24	63	141	32	19	4	
LACK	4																	

TOKAI-40 12 / 1979

TABLE 4.2-12E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	149	4	6	2	2	1	1	1	3	3	5	17	24	47	98	21	22	0	149	
1.0-1.9		18	9	6	2	4	1	2	1	1	8	13	17	51	86	18	8		249	
2.0-2.9		19	9	1					2	1	8	3	2	6	14	7	2		262	
3.0-3.9		9	2	1					1		1			3	1				73	
4.0-4.9		3	3											1					17	
5.0-5.9		1									1								2	
6.0-6.9																			0	
7.0-7.9														1					1	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	149	54	20	8	4	5	2	3	6	4	22	33	43	109	200	46	32	4	744	
20M																				
-0.4	40																			
0.5-0.9		1	3	2	1	1	1	1	4	1	3	5	3	3	56	18	4	0	40	
1.0-1.9		8	7	3	2	3	3	1	4	5	8	17	18	43	150	35	23	4	99	
2.0-2.9		16	10	1		2	1	1	1	1	8	10	16	44	49	11	9		328	
3.0-3.9		14	10	1					1	2	2	6	5	8	6	3	2		180	
4.0-4.9		9	1							4	1	4	1	1	1	1	1		58	
5.0-5.9		4	3							2	2	4	1	1	1				19	
6.0-6.9		1												1					12	
7.0-7.9																			2	
8.0-8.9														1					0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
TOTL	40	53	24	6	6	6	4	5	10	7	20	42	44	103	263	68	39	4	744	
40M																				
-0.4	12																			
0.5-0.9		6	2	2	4	2	3	1	1	1	4	1	5	2	3	12	8	0	12	
1.0-1.9		5	6	2	1	3	2	4	2	3	3	4	12	39	73	27	12		10	
2.0-2.9		7	6	3	1	1	3	3	1	3	4	10	17	31	79	29	11		85	
3.0-3.9		18	9	3					1	3	8	5	15	10	66	17	3		202	
4.0-4.9		9	3							3	3	2	2	2	21	10	2		205	
5.0-5.9		5	3							1	1	1	2	1	3	4			141	
6.0-6.9		1											1	1	2	2			54	
7.0-7.9																			18	
8.0-8.9																			6	
9.0-9.9																			4	
10.0-																			4	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	
TOTL	12	51	30	8	6	5	5	10	8	9	24	31	42	96	266	101	36	4	744	

5. 統計結果 (1980年)

5.1 年間統計結果

- (a) 風 向 例年同様冬期は北西風，夏期は北東風が卓越して吹いている。
- (b) 風 速 年平均風速は，10m高が 1.9 m/s，20m高が 2.6 m/s，40m高が 4.0 m/s で例年なみである。
- (c) 気 温 本年の8月の気温は例年になく低い値を記録した。真夏日は1日もなくまた風向も北北東から東北東の風で70%以上をしめた。10月から12月にかけては月平均気温が2度以上高くなり年平均気温は 13.0度であった。
- (d) 降水量 年降水量は 1390.5 mmと多少多めであった。
- (e) その他 真 冬 日： 0日
冬 日： 68日
真 夏 日： 6日
夏 日： 58日
降雨日数：135日
日降水量 50 mm 以上の日数： 5日
日降水量 100mm 以上の日数： 1日

Table 5.1-1 月別欠測回数

1980年

要素	月測高(m)	欠測回数												年間(%)
		1	2	3	4	5	6	7	8	9	10	11	12	
風向	10	85	0	5	5	11	97	23	1	1	31	2	97	358 (4.1)
	20	85	0	5	5	11	97	23	1	1	31	2	97	358 (4.1)
	40	86	0	5	5	11	97	23	1	1	31	2	97	359 (4.1)
風速	10	85	0	5	5	11	97	23	1	1	31	2	97	358 (4.1)
	20	85	0	5	5	11	97	23	1	1	31	2	97	358 (4.1)
	40	85	0	5	5	11	97	23	1	1	31	2	97	358 (4.1)
口射	-	32	0	5	5	3	47	18	1	1	14	2	33	161 (1.8)
放射収支	1.5	53	0	0	0	8	50	5	0	0	17	0	64	197 (2.2)
気温	1.5	85	0	5	5	11	118	25	1	2	31	2	97	382 (4.3)
降水量	-	83	0	2	3	8	96	16	0	0	25	1	93	327 (3.7)
湿度	1.5	85	0	5	5	12	119	30	8	8	32	3	97	404 (4.6)

Table 5.1-2 年間風向頻度 (%)

風向測高(m)	Calm	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW	N
	10	14.3	10.8	14.3	5.1	2.7	1.8	1.7	2.8	3.6	2.4	4.0	3.4	4.4	8.7	12.6	4.4
20	6.5	10.0	15.5	5.6	2.7	1.9	1.6	3.2	3.4	2.3	3.9	4.3	5.6	9.7	15.2	5.5	3.1
40	1.9	10.4	15.7	5.6	2.7	2.1	2.3	4.3	2.6	2.9	4.2	3.8	5.0	9.7	16.0	7.1	3.7

Table 5.1 - 3 月間平均および総量

1980年

要素	測高 (m)	単位	月												年平均
			1	2	3	4	5	6	7	8	9	10	11	12	
静穏	10	%	15.5	19.8	19.4	14.7	17.3	11.6	8.3	11.2	11.8	14.6	12.1	15.9	14.3
	20	"	3.2	2.6	5.7	7.4	8.3	8.5	6.1	8.7	8.1	8.0	5.6	5.4	6.5
	40	"	0.9	0.3	1.2	1.1	3.0	3.4	2.6	2.4	3.1	1.8	1.3	1.7	1.9
風速	10	m/s	1.5	1.4	1.6	2.2	1.8	1.9	2.3	2.6	2.2	1.7	1.5	1.5	1.9
	20	"	2.5	2.3	2.4	3.1	2.5	2.6	2.9	3.3	2.9	2.4	2.2	2.5	2.6
	40	"	4.2	3.9	3.8	4.5	3.7	3.5	3.9	4.4	4.2	3.8	3.6	4.2	4.0
日射	-	Cal/cm ² ·day	249	336	327	364	413	390	316	322	246	235	195	184	298
放射収支	1.5	"	-59	-65	-42	-29	-31	-18	-12	-15	-21	-30	-36	-53	-34
気温	1.5	°C	3.0	2.5	6.1	11.1	16.5	20.7	21.0	20.9	21.4	16.2	10.7	5.4	13.0
降水量	-	mm	65.0	13.0	158.0	114.5	186.0	79.0	224.0	62.0	225.0	139.0	75.5	49.5	1390.5
湿度	1.5	%	56.3	46.0	59.6	72.0	77.7	82.1	89.1	88.4	77.9	77.6	76.4	67.0	72.5

Table 5.1 - 4 大気安定度年間出現頻度 (%)

安定度	A	A-B	B	B-C	C	C-D	D ₁	D ₂	E	F	G
頻度 (%)	2.0	8.9	9.9	2.0	4.9	1.5	12.0	29.1	1.5	2.0	26.2

Table 5.1 - 5 極 値

要素	測高 (m)	月		1980年											
		項目	1	2	3	4	5	6	7	8	9	10	11	12	年間
風速 (m/s)	10	瞬間最大	12.2	8.1	13.0	14.3	13.8	11.5	10.3	10.4	12.1	15.1	10.3	13.3	15.1
		出現日時	26 11:20	21 16:15	8 10:05	20 14:50	21 23:45	9 12:55	12 15:35	4 6:10	27 21:25	14 19:50	29 4:40	23 23:35	23 19:50
風速 (m/s)	20	瞬間最大	16.8	14.2	16.3	18.0	17.5	14.5	12.8	12.8	14.5	17.0	13.0	16.9	18.1
		出現日時	29 9:05	1 14:00	8 10:40	20 13:50	21 23:45	9 12:55	12 15:35	4 4:50	27 21:15	14 20:25	29 5:00	24 16:15	24 13:50
風速 (m/s)	40	瞬間最大	17.7	17.0	20.3	22.0	19.2	15.8	14.1	14.1	16.8	18.5	15.0	19.5	22.0
		出現日時	26 11:20	1 15:10	8 9:50	6 13:05	21 23:45	9 12:55	12 15:45	4 4:50	27 21:10	14 19:50	26 14:00	24 16:15	24 13:05
氣温 (°C)	1.5	瞬間最高	17.7	13.7	20.8	23.0	26.8	28.2	32.0	29.1	31.5	25.3	22.0	18.8	32.0
		出現日時	28 14:55	11 13:20	30 13:30	5 13:35	30 10:30	24 12:30	24 12:30	24 12:15	24 9:50	11 13:15	6 13:50	21 13:30	3 12:50
氣温 (°C)	1.5	瞬間最低	-6.2	-7.3	-3.3	0.7	5.3	14.2	15.6	13.8	12.0	4.5	-0.5	-4.3	-6.2
		出現日時	8 7:10	17 5:40	12 5:55	11 2:10	2 4:20	5 4:00	22 22:50	2 22:50	10 4:50	30 5:15	30 0:30	4 6:15	28 6:40
降水量 (mm)	—	日平均最高	10.3	7.9	14.2	18.2	20.9	24.0	27.0	25.1	26.7	20.8	14.6	14.1	27.0
		出現日	4	27	30	6	24	24	24	24	24	11	7.8	21	3
降水量 (mm)	—	日平均最低	-0.7	-1.0	2.9	6.2	11.6	17.7	16.9	18.2	15.5	8.2	6.4	1.1	-1.0
		出現日	8	17	12	17	7	29	2	3	27	30	9	28	2月17日
降水量 (mm)	—	時総量最大	4.0	2.0	25.0	19.0	12.5	6.0	33.0	6.0	52.0	16.5	7.0	5.0	52.0
		出現日時	4 19	19 9	30 5	14 18	21 22	28 2	29 2	19 3	3 21	25 8	22 3	2 20	2 21
降水量 (mm)	—	日総量最大	20.5	6.5	59.0	54.0	39.5	23.0	55.0	18.5	140.5	41.5	29.5	22.2	140.5
		出現日	13	19	30	14	21	29	29	27	3	25	22	24	24
降水量 (mm)	—	月総量最大	225.0 mm 9月												

1980年

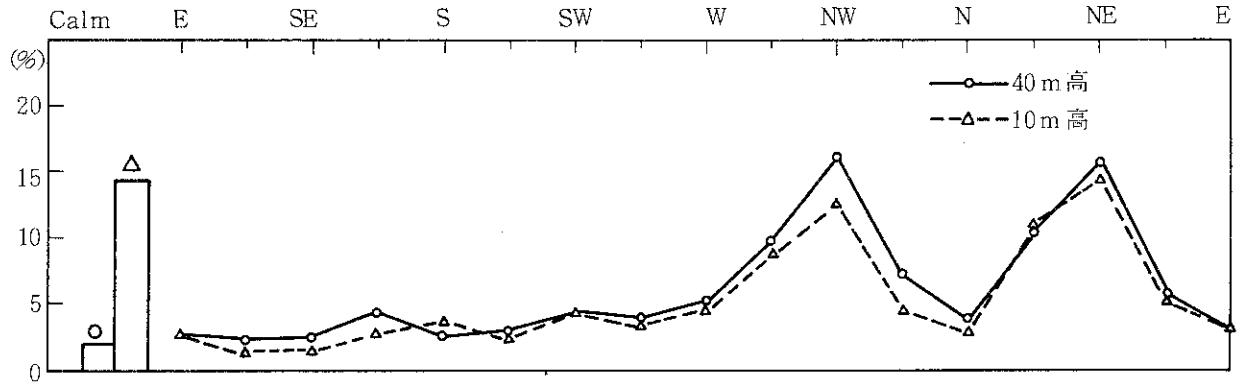


Fig. 5.1-1 年間風向頻度

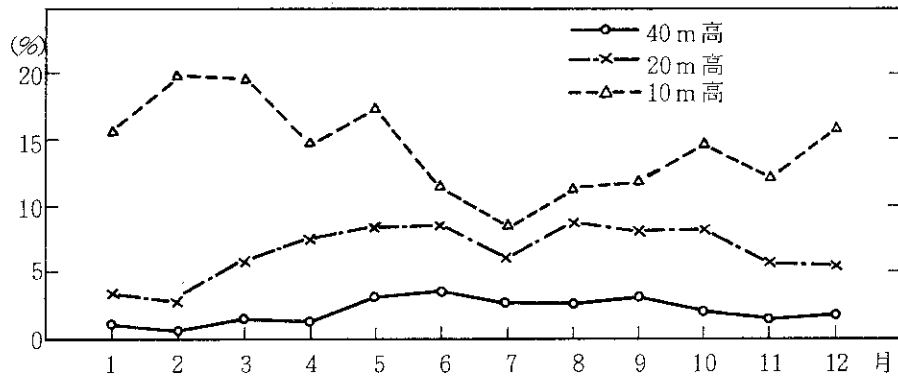


Fig. 5.1-2 月別静穩出現頻度

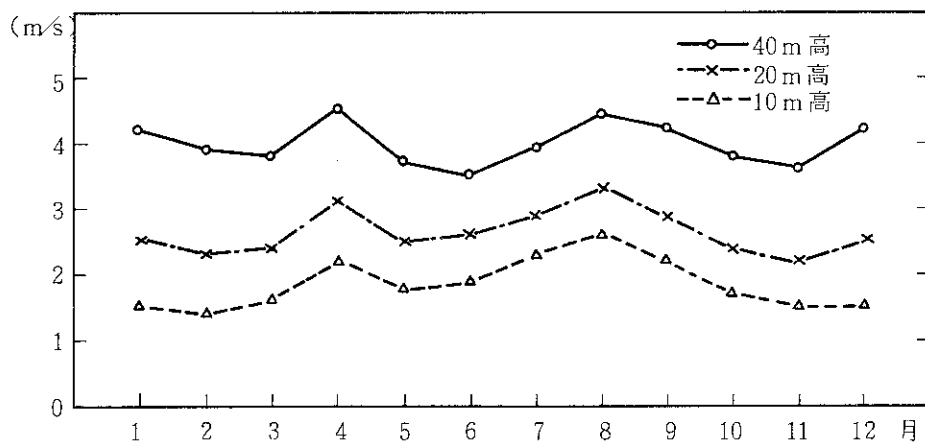


Fig. 5.1-3 月平均風速

1980年

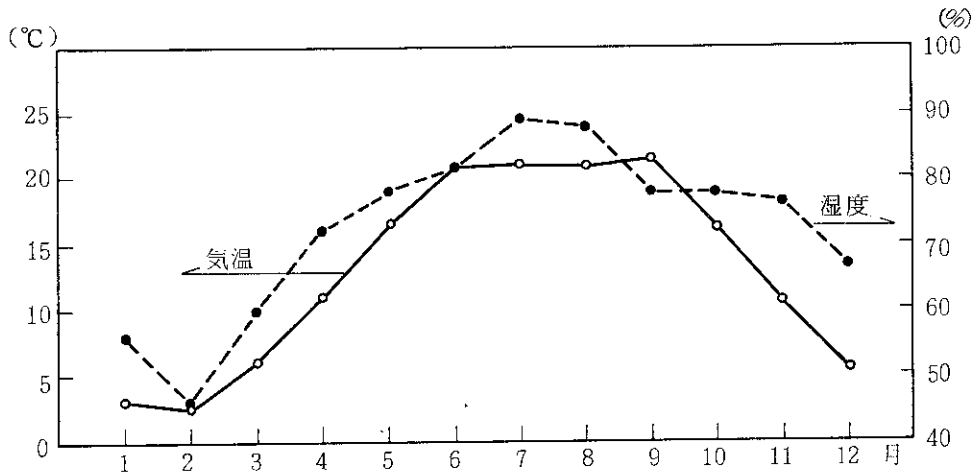


Fig. 5.1-4 月平均気温・湿度

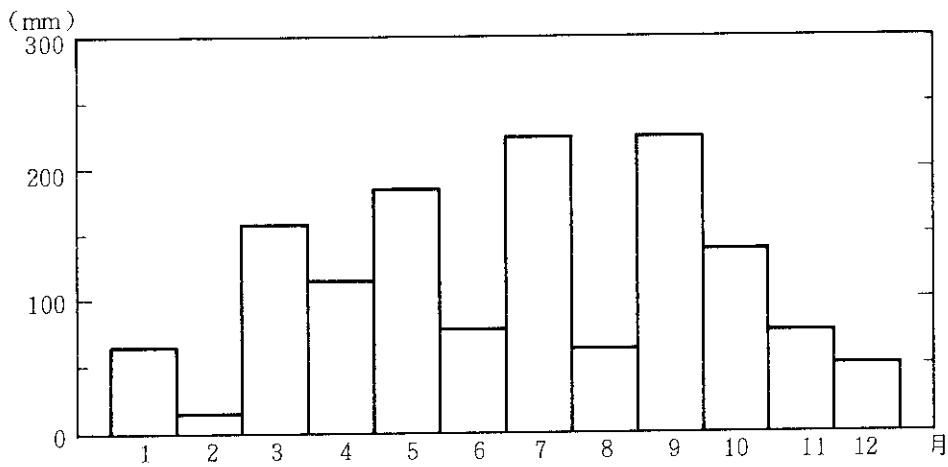


Fig. 5.1-5 月間降水量

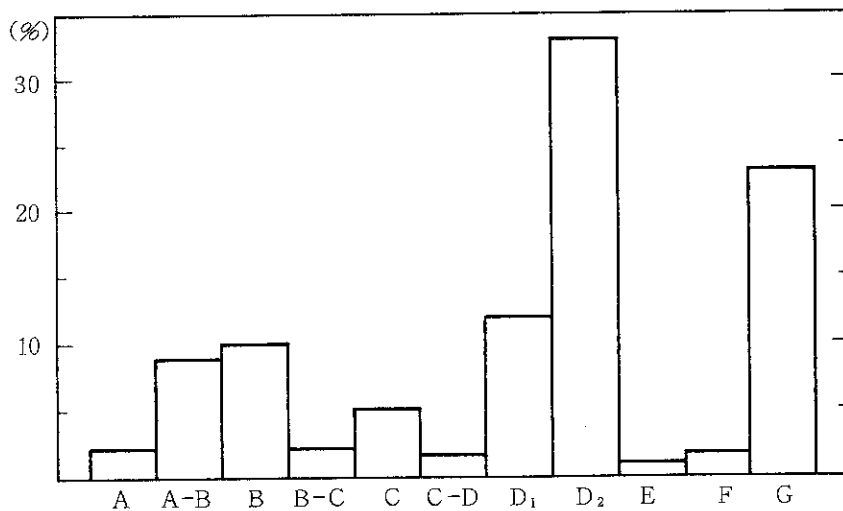


Fig. 5.1-6 大気安定度年間出現頻度

5.2 月間統計結果

TOKAI-40 1 / 1980

TABLE 5.2- 1A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	**	**	**	**	**	**	**	**
2	**	**	**	**	**	**	**	**
3	**	**	**	**	**	**	**	**
4	10.3	85.0	12.0	79.9	-5.6	1.0	1.5	2.9
5	4.1	45.7	0.0	183.0	-61.8	1.7	2.6	4.2
6	1.2	61.9	0.0	256.2	-72.6	1.1	2.2	3.5
7	2.6	53.4	0.0	287.4	-81.0	1.9	2.9	5.7
8	-0.7	45.7	0.0	295.2	-87.4	1.0	1.9	3.3
9	1.0	60.1	0.0	197.4	-45.8	0.7	1.3	3.1
10	6.1	60.4	0.0	236.2	-33.6	1.3	2.1	3.7
11	2.5	41.7	0.0	300.6	-89.4	1.4	2.1	4.2
12	0.7	56.5	0.0	252.6	-66.0	0.7	1.3	2.6
13	2.2	81.1	20.5	33.6	-12.0	1.5	2.5	3.9
14	3.1	68.7	0.0	246.0	-64.8	1.3	2.5	4.1
15	1.4	58.6	0.0	294.0	-83.4	1.1	2.2	3.7
16	1.0	55.3	0.0	309.6	-83.4	1.4	2.5	4.6
17	2.3	56.5	0.0	298.2	-76.2	1.7	3.1	4.7
18	1.9	48.2	0.0	318.6	-90.0	3.1	4.9	7.2
19	1.3	57.9	0.0	306.6	-57.6	0.7	1.3	2.6
20	4.4	53.5	0.0	275.4	-63.6	1.1	2.2	3.5
21	2.4	47.6	0.0	262.2	-83.6	1.3	2.2	3.6
22	0.1	40.8	0.0	300.0	-88.8	1.4	2.7	4.5
23	0.5	47.2	0.0	320.4	-73.8	0.9	2.0	3.2
24	1.4	46.9	0.0	306.6	-78.6	1.8	2.6	4.9
25	0.3	46.9	0.0	330.0	-78.0	1.0	1.9	3.3
26	1.6	45.4	0.0	348.6	-76.2	1.8	2.9	4.9
27	3.6	54.2	0.0	285.6	-57.0	1.1	2.2	3.4
28	9.0	67.3	6.0	265.2	-19.8	2.2	3.4	4.8
29	8.7	73.0	12.0	69.6	0.0	5.3	6.7	8.6
30	7.2	85.6	14.5	33.0	-4.8	1.9	2.7	4.1
31	6.6	44.4	0.0	200.4	-21.6	1.6	2.3	4.3
MONTH	3.0	56.3	65.0	248.9	-59.2	1.5	2.5	4.2
LACK	85	85	83	32	53	85	85	85

TABLE 5.2- 1B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	15.5	5.8	2.4	0.2	0.0	0.0	0.0	0.2	0.3	1.1	4.2	6.2	10.3	22.0	23.5	6.1	2.3
20M	3.2	6.4	2.4	0.2	0.0	0.0	0.0	0.2	0.5	1.1	3.8	6.2	13.4	22.6	29.0	8.2	3.0
40M	0.9	6.1	2.4	0.2	0.0	0.0	0.0	0.5	0.5	1.4	4.9	6.8	9.6	24.2	31.0	8.7	3.0

TOKAI-40 1 / 1980

TABLE 5.2-1C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.3	1.1	1.1	1.0	0.9	1.0	0.9	1.1	1.7	2.1	2.1	2.3	2.6	2.7	2.5	2.3	1.7	1.3	1.3	1.2	1.2	1.2	1.3	1.2
SIGMA	1.2	1.2	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.4	1.6	1.8	1.5	1.5	1.7	1.7	1.5	1.3	1.0	1.1	1.0	1.1	1.1	1.1
20M																								
MEAN	2.5	2.3	2.2	2.0	2.1	2.1	2.1	1.9	2.5	2.9	2.9	3.2	3.6	3.8	3.4	3.2	2.7	2.1	2.3	2.0	2.3	2.1	2.3	2.3
SIGMA	1.5	1.5	1.1	1.2	1.2	1.0	1.2	1.1	1.5	1.9	2.1	2.5	2.2	2.0	2.1	2.2	1.9	1.6	1.2	1.4	1.4	1.2	1.5	1.4
40M																								
MEAN	4.2	3.8	3.8	3.8	3.7	4.1	3.9	3.7	3.8	4.0	4.1	4.4	5.1	5.5	5.2	5.0	4.6	4.1	4.2	3.9	3.9	3.9	4.2	3.9
SIGMA	2.0	1.9	1.5	1.4	1.2	1.3	1.5	1.4	1.9	2.5	2.8	3.4	3.0	3.0	3.0	2.9	2.5	2.1	1.4	1.7	1.7	1.5	1.8	2.0
TEMPERATURE																								
MEAN	0.3	-0.3	-0.5	-0.8	-1.1	-1.3	-1.5	0.1	2.6	5.0	6.5	7.6	8.3	8.5	8.2	7.4	5.6	4.5	3.7	2.8	2.0	1.5	1.1	0.7
SIGMA	3.7	3.8	3.8	4.1	4.2	4.2	4.1	3.4	2.6	2.3	2.4	2.5	2.7	2.8	3.0	3.0	2.9	3.0	3.1	3.4	3.4	3.5	3.5	3.5
HUMIDITY																								
MEAN	64.6	66.4	66.7	69.0	70.6	69.6	70.6	66.5	55.9	47.8	42.5	41.4	39.8	38.8	40.0	42.5	49.3	52.8	54.9	57.4	60.0	61.2	62.7	63.4
SIGMA	12.6	10.9	10.9	9.4	10.0	10.8	9.9	11.4	13.2	14.4	17.1	19.5	20.8	19.6	18.9	19.0	18.5	18.3	16.9	16.3	15.0	13.9	13.3	13.4
LAPSE RATE																								
MEAN	4.4	4.1	3.5	3.0	4.0	4.0	4.6	0.1	-2.1	-2.6	-2.8	-2.4	-2.4	-1.8	-1.1	-0.4	1.2	2.1	2.1	2.7	3.3	3.5	3.3	3.6
SIGMA	4.2	4.5	4.0	3.3	3.9	3.8	3.9	1.7	1.1	1.2	1.6	0.9	0.7	0.6	0.6	0.6	2.7	3.7	3.3	3.4	3.9	4.1	3.8	4.1
STABIL. RATIO																								
MEAN	0.8	**	0.8	**	**	**	**	**	1.0	-1.1	-1.0	-0.8	-0.5	-0.5	-0.3	-0.1	0.0	1.0	0.7	0.4	0.4	0.9	1.2	1.4
SIGMA	1.5	**	2.5	**	**	**	**	**	0.9	0.8	0.8	0.7	0.4	0.5	0.4	0.2	0.4	2.0	1.4	1.9	0.9	1.8	2.2	2.3
RADIATION																								
MEAN	-4.3	-4.2	-4.1	-4.2	-4.0	-3.8	-3.5	13.2	24.9	35.4	42.1	38.5	38.7	30.0	19.6	7.2	-4.2	-3.8	-3.7	-3.8	-3.8	-3.9	-3.8	-4.0
SIGMA	2.1	2.0	2.3	2.3	2.2	2.3	2.0	6.6	10.7	12.4	14.3	17.1	14.7	12.5	8.6	3.6	2.4	2.5	2.6	2.4	2.3	2.2	2.4	2.3

TABLE 5.2-1D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	6																	
A-B	64																	
B	71																	
B-C	11																	
C	20																	
C-D	8																	
D1	67																	
D2	98																	
E	4																	
F	18																	
G	292																	
LACK	85																	

TOKAI-40 1 / 1980

TABLE 5.2- 1E: FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	102																		0	102
0.5-0.9		5	1					1	1	2	3	17	29	63	52	15	7		0	188
1.0-1.9		6		1					1	5	11	12	31	53	55	15	6			196
2.0-2.9		13	3						1		10	8	6	16	28	9	1			86
3.0-3.9		9	6								2	4	2	5	9	1				39
4.0-4.9		1	1								2			3	7	1				28
5.0-5.9		1	4								2			2	3					7
6.0-6.9		3	1								3			3	1					9
7.0-7.9																				4
8.0-8.9																				0
9.0-9.9																				0
10.0-																				0
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85
TOTL	102	38	16	1	0	0	0	1	2	7	28	41	68	145	155	40	15		85	744
20M																				
-0.4	21																			0
0.5-0.9		1								1	2	4	6	3	28	8	2			21
1.0-1.9		3						1	2	2	5	8	20	51	78	25	9			55
2.0-2.9		5							1	4	7	11	42	55	46	10	6			204
3.0-3.9		7		1							6	11	15	21	24	10	2			187
4.0-4.9		11	1								1	3	1	9	7	1				97
5.0-5.9		9	7								2	4	2	4	3	1				34
6.0-6.9		2	2								2	2	2	4	3	3				28
7.0-7.9		1	1								2			3	1					15
8.0-8.9		1	3								1			1	1					6
9.0-9.9		2	1								1			1	1					6
10.0-																				4
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85
TOTL	21	42	16	1	0	0	0	1	3	7	25	41	88	149	191	54	20		85	744
40M																				
-0.4	6																			0
0.5-0.9		2							2	2	1	2	2	2	16	1	1			6
1.0-1.9		1						2		2	3	4	14	35	35	13	3			11
2.0-2.9		6						1		1	5	8	9	22	56	12	9			47
3.0-3.9		5							1	4	6	9	12	26	43	12	9			118
4.0-4.9		10	1						1	1	7	13	12	26	43	12	4			180
5.0-5.9		7	5							1	4	5	6	9	21	1	2			125
6.0-6.9		3	1								2	1	3	6	13	4	1			60
7.0-7.9		3	3								2	2	2	6	13	7	1			42
8.0-8.9		2	3								2	2	2	7	7	1				26
9.0-9.9		1	6								3	1	2	3	1	1				20
10.0-		3	0								7			7	2					5
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85
TOTL	6	40	16	1	0	0	0	3	3	9	32	45	63	159	204	57	20		85	744

10KAI-40 2 / 1980

TABLE 5.2-2A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S	WIND DIRECTION	
									S	SSW
1	3.5	27.2	0.0	351.6	-102.0	2.8	5.2	7.7		
2	3.8	31.8	0.0	332.4	-93.0	2.2	4.1	6.1		
3	3.5	39.9	0.0	342.6	-84.0	1.5	2.8	4.5		
4	3.5	52.6	0.0	322.8	-56.4	2.0	3.0	4.3		
5	4.0	66.2	1.5	86.4	-25.8	1.7	2.5	3.7		
6	0.3	39.4	0.0	356.4	-93.6	1.4	2.6	4.3		
7	-0.7	45.3	0.0	313.2	-87.0	0.7	1.5	3.3		
8	0.6	47.3	0.0	356.4	-48.6	0.8	1.5	2.7		
9	2.4	47.5	0.0	367.8	-71.4	1.3	2.2	4.0		
10	1.9	50.5	0.0	335.4	-77.4	0.8	1.4	2.7		
11	3.6	48.6	0.0	345.0	-56.4	1.1	2.0	3.4		
12	2.3	44.2	0.0	350.4	-64.8	1.0	1.7	3.3		
13	1.8	45.0	0.0	351.0	-58.8	1.3	2.1	3.9		
14	0.6	39.3	0.0	374.4	-78.0	1.2	2.0	4.0		
15	2.0	48.4	0.0	349.8	-67.8	1.5	2.5	4.2		
16	0.5	36.1	0.0	328.2	-88.2	1.3	2.0	4.3		
17	-1.0	41.4	0.0	396.6	-83.4	0.7	1.3	2.3		
18	1.5	42.2	0.0	333.6	-56.4	1.2	1.8	2.8		
19	2.0	61.7	6.5	77.4	-29.4	2.4	3.5	4.9		
20	4.1	58.0	0.0	393.0	-34.8	1.1	1.8	3.3		
21	1.9	39.5	0.0	407.4	-88.2	1.6	2.5	4.5		
22	0.8	42.1	0.0	432.6	-83.4	1.0	1.6	2.8		
23	2.3	50.0	0.0	420.0	-73.8	1.2	2.0	3.4		
24	4.8	45.3	0.0	366.0	-51.0	1.4	2.1	3.9		
25	3.2	42.0	0.0	427.8	-75.6	1.2	2.0	3.4		
26	5.3	50.4	0.5	205.8	-19.8	1.0	1.7	3.2		
27	7.9	40.1	0.5	379.2	-32.4	2.2	3.2	5.0		
28	2.8	56.4	4.0	216.6	-42.0	1.6	2.5	3.5		
29	4.3	54.3	0.0	427.8	-60.6	1.4	2.3	3.4		
MONTH	2.5	46.0	13.0	336.1	-65.0	1.4	2.3	3.9		
LACK	0	0	0	0	0	0	0	0		

TABLE 5.2-2B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	MNW	N
10M	19.8	5.9	2.2	3.3	2.2	1.1	2.2	1.7	1.3	1.4	4.3	6.6	5.0	11.5	20.5	7.8	3.2
20M	2.6	6.0	3.0	3.2	2.4	1.3	1.1	1.9	1.9	1.3	3.3	9.1	7.5	15.5	26.6	9.8	3.6
40M	0.3	5.9	2.7	3.2	2.7	1.3	2.2	1.7	1.4	1.6	4.6	7.9	6.8	15.8	27.2	12.4	2.4

TOKAI-40 2 / 1980

TABLE 5.2-2C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.0	0.9	0.9	0.8	0.9	0.9	0.8	1.1	1.3	1.8	2.0	2.4	2.5	2.6	2.2	2.2	1.8	1.5	1.2	1.2	1.0	1.0	0.8	0.9
SIGMA	0.9	0.9	1.0	0.7	0.8	0.7	0.7	0.7	0.9	0.8	1.0	0.9	1.1	1.2	1.1	1.1	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.8
20M																								
MEAN	1.9	1.9	2.0	1.9	2.0	2.0	1.8	1.8	1.9	2.5	2.7	3.3	3.4	3.5	3.0	3.1	2.7	2.5	2.1	2.2	2.0	1.9	1.6	1.9
SIGMA	1.3	1.3	1.4	1.1	1.1	1.0	0.9	1.0	1.3	1.3	1.6	1.4	1.6	1.8	1.5	1.6	1.4	1.4	1.5	1.5	1.5	1.2	1.2	1.1
40M																								
MEAN	3.6	3.5	3.6	3.6	4.1	4.0	3.8	3.4	3.0	3.4	3.7	4.5	4.6	4.8	4.4	4.7	4.5	4.2	3.9	4.0	3.5	3.5	3.3	3.6
SIGMA	1.5	1.7	1.9	1.6	1.4	1.7	1.2	1.4	1.9	1.7	2.2	1.9	2.3	2.5	2.1	2.1	1.7	1.8	1.8	1.8	1.8	1.4	1.4	1.4
TEMPERA-																								
TURE																								
MEAN	-0.4	-1.0	-1.4	-1.9	-1.9	-2.1	-1.9	0.5	3.1	5.1	6.4	7.0	7.5	7.7	7.3	6.7	5.6	4.7	3.7	3.0	1.8	1.0	0.5	0.0
SIGMA	2.8	2.8	2.7	2.6	2.9	3.1	3.0	2.2	1.8	2.2	2.5	2.5	2.6	2.3	2.3	2.2	2.1	2.2	2.5	2.6	2.5	2.6	2.6	2.7
HUMIDITY																								
MEAN	52.6	55.1	57.6	59.7	58.5	58.8	59.2	52.5	44.6	37.0	33.4	31.2	30.5	29.9	32.1	33.7	38.4	41.9	45.0	45.6	50.1	51.0	51.7	53.1
SIGMA	11.0	11.2	10.1	10.8	11.4	12.6	11.3	11.7	12.1	11.8	13.3	13.4	12.2	11.3	11.3	10.8	11.1	11.1	12.4	13.2	14.0	12.3	11.3	11.8
LAPSE																								
RATE																								
MEAN	3.3	3.5	3.8	4.3	3.4	3.9	3.2	-1.2	-2.7	-3.2	-3.3	-3.4	-3.2	-2.7	-2.1	-1.4	-0.6	0.1	0.8	0.9	2.2	3.0	3.1	3.7
SIGMA	3.7	3.8	3.9	4.1	3.2	3.8	3.0	1.4	0.7	0.8	0.8	0.7	0.7	0.8	0.7	0.8	0.9	1.2	2.1	2.5	3.1	4.0	3.9	3.7
STABIL-																								
RATIO																								
MEAN	1.3	**	**	**	0.6	1.3	**	-0.7	-1.1	-1.2	-1.1	-0.9	-0.7	-0.6	-0.5	-0.4	-0.1	0.1	0.2	-0.2	-0.1	**	**	1.0
SIGMA	2.4	**	**	**	0.9	3.0	**	0.4	0.8	0.7	1.0	0.7	0.7	0.6	0.4	0.4	0.3	0.7	0.5	0.4	0.5	**	**	1.8
RADIA-																								
TION																								
MEAN	-4.5	-4.4	-4.5	-4.6	-4.6	-4.5	-3.1	20.0	32.2	45.0	52.2	53.6	49.7	42.6	26.5	14.5	-4.1	-4.7	-4.5	-4.7	-4.1	-4.2	-4.2	-4.2
SIGMA	2.1	2.1	2.1	2.0	2.1	2.2	1.9	7.0	10.6	14.2	16.7	15.4	14.7	12.5	11.0	5.5	1.9	1.9	2.0	1.8	2.0	1.9	1.8	1.9

TABLE 5.2-2D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	40																		
A-B	81			1	2	1	1	1		1	2	5	5	6	7	3	5		
B	72			2	5	2	5	2		2	3	9	7	12	19	9	5		
B-C	10	1		2	5	1	4	4	3	1	5	7	1	10	15	11	2		
C	24			3	1		1	1	1	1	1	2		3	3	1			
C-D	3						1	2	2	1	3	4		1	6		1		
D1	31								1		2								
D2	71	13	1	2	2	1				1	1	1	2	1	6	2	3		
E	13	24	11	2	2	1	1			1	1	1	2	7	17	3	2		
F	31	1	1	2	1	2					1	2	1	3	5				
G	320	3	2	7	2	1	3	1	2	5	15	26	33	65	109	40	10		
LACK																			

TOKAI-40 2 / 1980

TABLE 5.2-2E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL
-0.4	138																0	138
0.5-0.9	1		4	1	1	3	1	4	1	4	9	11	42	66	22	5	0	171
1.0-1.9	10	1	5	7	2	4	3	9	6	9	17	13	28	49	26	11	0	191
2.0-2.9	12	7	10	4	5	7	7	3	3	12	10	7	7	21	4	5	0	124
3.0-3.9	14	4	4	3	1	1	1	3	3	3	6	3	2	5	2	1	0	54
4.0-4.9	4	3						1	2	2	4	1	1	2			0	18
5.0-5.9																	0	0
6.0-6.9																	0	0
7.0-7.9																	0	0
8.0-8.9																	0	0
9.0-9.9																	0	0
10.0-																	0	0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	138	41	15	23	15	8	15	12	9	30	46	35	80	143	54	22	0	696
20M																	0	18
-0.4	18																0	18
0.5-0.9	3	1	6	3	2	1	1	2	1	5	4	8	4	41	19	5	0	87
1.0-1.9	1	1	1	1	1	1	1	2	1	5	12	18	59	90	32	9	0	243
2.0-2.9	9	1	9	3	2	3	4	3	5	5	13	11	31	33	10	7	0	148
3.0-3.9	10	8	9	3	5	2	6	3	3	5	14	2	10	14	6	3	0	103
4.0-4.9	11	6	6	6	1	1	1	5	3	5	9	5	2	4	1	1	0	56
5.0-5.9	6	3	1	1				3	3	3	3	4	1	3			0	25
6.0-6.9	2	1						7	7	2	2	2	1				0	15
7.0-7.9								1	1		1						0	3
8.0-8.9																	0	0
9.0-9.9																	0	0
10.0-																	0	0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	18	42	21	22	17	9	8	13	9	23	63	52	108	185	68	25	0	696
40M																	0	2
-0.4	2																0	2
0.5-0.9	3	1	2	1	1	2	1	1	3	1	5	9	16	12	2	2	0	10
1.0-1.9	1	1	4	2	2	2	2	1	3	3	9	15	48	51	12	3	0	69
2.0-2.9	7	2	7	3	7	7	2	2	4	4	8	10	24	59	27	1	0	160
3.0-3.9	9	6	4	4	4	4	6	3	6	1	7	2	12	32	18	4	0	165
4.0-4.9	10	4	9	2	2	2	5	2	9	1	8	1	5	17	7	0	0	117
5.0-5.9	6	3	2	2	1			1	3	3	3	3	2	7	4	0	0	81
6.0-6.9	3	1	1					3	3	3	6	2	1	10	4	0	0	43
7.0-7.9	3	1						1	1	1	2	2	1			0	0	30
8.0-8.9	2	1						1	1	1	6	2	1			0	0	9
9.0-9.9																	0	7
10.0-																	0	3
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	2	41	19	22	19	9	15	12	10	32	55	47	110	189	86	17	0	696

TOKAI-40 3 / 1980

TABLE 5.2-3A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	4.6	66.7	13.0	53.4	-49.2	0.9	1.7	3.3
2	4.8	36.9	0.0	662.9	-83.4	1.4	2.2	4.1
3	4.3	48.5	0.0	216.0	-21.0	0.6	0.9	2.0
4	6.1	52.9	0.0	338.4	-48.0	1.2	2.0	3.1
5	4.8	44.6	0.0	330.0	-36.6	1.2	1.9	3.1
6	5.6	47.7	0.0	182.4	-15.6	2.0	2.7	3.8
7	6.6	61.0	18.0	85.2	-8.4	2.0	2.7	4.4
8	7.8	57.7	19.5	407.0	-43.8	3.3	4.4	7.8
9	6.7	82.8	15.0	112.2	-18.0	1.3	1.8	2.9
10	11.7	51.9	2.0	484.8	-55.2	2.9	3.7	6.2
11	4.5	30.7	0.0	492.0	-65.4	1.8	2.7	4.4
12	2.9	36.9	0.0	511.8	-88.2	2.5	3.9	6.0
13	5.5	44.4	0.0	462.0	-60.0	1.1	1.9	3.0
14	5.7	69.5	6.5	127.8	-21.0	2.5	3.3	4.5
15	4.5	55.2	0.5	683.6	-49.2	1.4	2.2	3.6
16	4.3	57.5	0.0	427.8	-70.8	1.4	2.1	3.4
17	6.2	65.3	0.0	431.4	-64.8	1.5	2.2	3.4
18	5.2	41.8	0.0	487.2	-72.0	2.0	2.7	5.0
19	3.2	54.3	0.0	238.8	-9.0	1.2	1.7	2.5
20	8.1	70.1	0.0	429.6	-46.2	1.7	2.5	3.6
21	7.5	62.3	0.0	235.8	-16.2	1.5	2.3	3.4
22	3.0	78.7	15.5	56.0	-3.0	3.1	4.4	5.9
23	3.9	68.8	1.0	312.6	-31.8	1.4	1.9	3.5
24	3.0	70.6	0.0	282.0	-46.8	0.9	1.4	2.2
25	3.7	70.0	0.0	219.6	-35.4	1.3	2.0	3.0
26	6.4	74.3	0.0	365.2	-51.0	1.1	1.5	2.6
27	7.1	54.1	0.0	514.8	-69.6	1.1	1.6	2.6
28	6.2	65.1	0.0	672.2	-49.8	1.0	1.5	2.1
29	10.7	84.7	8.0	396.6	-18.6	1.3	1.9	3.2
30	14.2	68.6	59.0	411.0	-39.6	2.5	3.3	6.2
31	10.1	73.5	0.0	127.8	-22.8	1.6	2.1	3.1
MONTH	6.1	59.6	158.0	327.3	-42.3	1.6	2.4	3.8
LACK	5	5	2	5	0	5	5	5

TABLE 5.2-3B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	19.4	7.7	10.8	6.8	4.2	2.6	2.2	3.9	2.8	1.2	1.9	1.4	3.8	5.0	14.2	7.6	4.6
20M	5.7	7.8	10.4	7.0	5.0	2.8	2.7	4.3	1.9	0.9	2.3	3.2	6.9	7.3	16.0	10.3	5.3
40M	1.2	8.5	10.1	7.4	4.7	4.1	3.1	4.9	1.2	0.8	1.8	3.0	6.1	8.5	16.2	11.9	6.4

TOKAI-40 3 / 1980

TABLE 5.2-3C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.0	0.8	1.1	0.9	0.9	1.1	1.0	1.3	1.8	2.1	2.2	2.6	2.7	2.7	2.6	2.5	2.1	1.8	1.8	1.5	1.3	1.3	1.1	0.9
SIGMA	0.8	0.7	1.1	1.0	1.1	1.3	1.0	1.2	1.1	1.3	1.1	1.3	1.3	1.4	1.2	1.1	1.2	1.3	1.3	1.1	1.2	1.2	0.8	0.6
20M																								
MEAN	1.8	1.5	1.9	1.6	1.6	2.0	1.7	1.7	2.3	2.7	2.9	3.3	3.5	3.4	3.3	2.9	2.6	2.6	2.6	2.3	2.0	2.1	1.9	1.5
SIGMA	1.0	0.9	1.4	1.3	1.5	1.5	1.3	1.7	1.4	1.8	1.3	1.7	1.7	1.9	1.5	1.3	1.5	1.7	1.7	1.4	1.6	1.5	1.2	0.8
40M																								
MEAN	3.4	2.8	3.2	3.3	3.3	3.5	3.0	2.7	3.3	3.9	4.1	4.7	4.9	4.8	4.9	5.1	4.4	4.0	4.1	3.8	3.6	3.7	3.6	3.1
SIGMA	1.5	0.9	1.6	1.8	1.8	2.2	1.5	2.3	2.2	3.0	2.6	3.1	2.9	2.9	2.2	2.4	2.3	2.1	2.2	1.8	2.0	1.8	1.5	1.0
TEMPERATURE																								
MEAN	3.9	3.5	2.9	2.6	2.4	2.2	3.3	5.2	7.2	8.3	8.9	9.4	9.7	9.8	9.3	8.8	8.2	7.4	7.0	6.4	5.7	5.3	4.8	4.4
SIGMA	3.3	3.5	3.7	3.5	3.8	3.7	3.3	2.9	3.0	2.9	3.1	3.4	3.4	3.2	3.5	3.1	2.9	2.7	2.9	3.0	3.3	3.4	3.7	3.6
HUMIDITY																								
MEAN	66.8	68.5	69.6	69.6	69.4	69.5	67.2	59.0	52.1	48.2	46.9	45.7	46.3	46.9	50.0	53.0	56.2	60.5	60.0	61.5	64.3	64.3	65.3	67.7
SIGMA	18.6	17.1	16.5	17.4	18.2	17.2	17.4	17.0	15.8	15.9	17.4	17.6	17.9	18.8	20.6	19.3	19.7	18.0	18.5	18.0	17.4	18.0	17.5	17.4
LAPSE RATE																								
MEAN	1.6	1.9	2.7	3.1	3.1	3.1	0.3	-1.9	-2.4	-2.8	-3.0	-3.0	-3.1	-2.6	-2.3	-1.9	-1.2	-0.3	-0.1	0.4	1.1	1.4	1.6	1.6
SIGMA	3.1	3.1	3.6	4.3	3.8	3.9	2.0	0.8	0.9	1.0	1.3	1.0	0.9	0.8	0.7	0.6	0.6	1.5	1.8	2.3	2.6	2.9	3.3	3.0
STABIL. RATIO																								
MEAN	-0.1	**	0.5	**	**	**	-0.3	-0.8	-0.7	-0.9	-0.8	-0.6	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2	-0.1	-0.2	-0.1	-0.1	0.2	-0.2
SIGMA	0.8	**	1.4	**	**	**	0.7	0.8	0.6	0.8	0.5	0.4	0.6	0.6	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.9	0.8
RADIATION																								
MEAN	-3.0	-2.7	-3.0	-2.9	-2.8	-2.2	-0.1	23.6	36.1	44.9	47.8	47.8	45.8	38.5	26.1	17.1	-1.4	-3.4	-3.4	-3.6	-3.6	-3.6	-3.3	-3.2
SIGMA	2.2	2.0	1.9	2.0	2.1	1.9	0.4	11.3	17.1	20.8	23.3	24.5	24.4	21.5	17.6	10.8	1.7	2.4	2.4	2.4	2.5	2.3	2.4	2.3

TABLE 5.2-3D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK
A	23			3	4	1	1	1		1	2		4	2	1	3		
A-B	72	1	6	8	6	5	2	6		2	2	2	7	8	5	9	3	
B	74	2	3	14	4	3		10	6		1		2	4	15	6	1	
B-C	13		2	1				1	2						3	4		
C	31	2	8	3	1			1	1					2	9	4		
C-D	6																	
D1	55	9	16	3	5	4	4	1	1		2			3	2	2	1	
D2	196	22	33	10	9	4	5	3	9	1	2	4	7	18	33	18	18	
E	13		1	5				1	1						5			
F	20		6	4	1								1	3	3	1	1	
G	236	15	4	10	4	5	4	5	2	10	14	20	18	19	63	30	13	
LACK	5																	5

TOKAI-40 3 / 1980

TABLE 5.2-3E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	143																			
0.5-0.9	6	2	4	7	3	3	5	3	3	8	5	8	15	13	37	21	14	0	143	
1.0-1.9	18	11	27	19	12	8	11	2	2	5	1	1	10	10	28	11	11		152	
2.0-2.9	12	33	18	5	4	5	9	9	9	1	1	3	3	8	41	10	5		190	
3.0-3.9	12	26	1				4	5	5					4	15	8	2		134	
4.0-4.9	9	7						2	2					7	3	3	2		77	
5.0-5.9		1												5	1	1	2		28	
6.0-6.9														2	2	2			6	
7.0-7.9																			0	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
TOTL	143	57	80	50	31	19	16	29	21	9	14	10	28	37	105	56	34	5	744	
20M																				
-0.4	42																			
0.5-0.9	3	5	5	3	3	3	7	3	3	3	3	3	7	9	24	23	5	0	42	
1.0-1.9	8	6	11	9	8	10	7	12	3	1	9	16	26	19	47	25	19		88	
2.0-2.9	17	7	24	21	10	7	12	3	3	4	4	4	10	12	10	6	7		224	
3.0-3.9	13	27	15	4		3	8	5	5	1	1	1	4	2	15	13	2		158	
4.0-4.9	8	14	2				5	2	2	1	1	3	3	7	8	2	3		114	
5.0-5.9	8	16					5	1	1			1	1	3	6	4	1		55	
6.0-6.9	1	1												3	6	4	1		40	
7.0-7.9															6	6			8	
8.0-8.9														1	1	2	1		5	
9.0-9.9														1	1	1	1		4	
10.0-																			1	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
TOTL	42	58	77	52	37	21	20	32	14	7	17	24	51	54	118	76	39	5	744	
40M																				
-0.4	9																			
0.5-0.9	4	1	6	4	1	1	2	2	2	1	1	7	3	3	4	2	2	0	9	
1.0-1.9	18	6	15	10	15	8	3	3	2	1	3	7	12	10	6	12	13		20	
2.0-2.9	10	13	15	12	5	3	9	2	2	1	4	6	13	24	30	14	16		92	
3.0-3.9	14	21	8	8	2	3	12	3	3	2	3	7	7	8	33	17	11		185	
4.0-4.9	7	10	5				3	12	3	2	2	2	3	2	13	13	2		162	
5.0-5.9	3	15	3			1	7	3	3	2	6	4	2	6	11	4	2		109	
6.0-6.9	6	5	2				3	1	1	1	3	7	1	3	7	7	1		55	
7.0-7.9	1	1					4			4	1	3	4	1	3	5	1		27	
8.0-8.9											1	5	1	1	5	6			14	
9.0-9.9											1	3	1	3	6				5	
10.0-																			5	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
TOTL	9	63	75	55	35	30	23	36	9	6	13	22	45	63	120	88	47	5	744	

TOKAI-40 4 / 1980

TABLE 5.2- 4A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION PERCENT	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	8.5	90.3	7.0	68.4	-9.6	3.1	4.0	5.5
2	8.2	63.8	1.0	466.8	-11.4	1.7	2.3	3.3
3	6.3	50.5	0.0	586.8	-61.8	1.8	2.5	4.1
4	9.2	67.9	0.0	520.8	-52.2	1.8	2.6	3.8
5	15.0	69.3	0.0	523.8	-36.6	3.4	5.0	7.1
6	18.2	75.0	1.5	276.6	-11.4	5.7	8.1	11.2
7	11.4	67.5	0.5	349.8	-40.2	2.7	3.7	5.3
8	10.6	74.4	0.0	304.8	-31.2	1.3	1.8	2.8
9	12.2	81.0	1.0	235.2	-21.6	1.4	1.9	2.9
10	7.7	56.0	0.0	614.4	-52.2	2.9	3.8	5.4
11	8.7	70.0	0.0	417.0	-40.2	1.0	1.5	2.6
12	15.4	68.6	0.0	478.8	-23.4	1.4	2.1	3.2
13	14.6	94.3	15.5	88.2	-6.6	0.7	1.2	2.1
14	14.5	92.0	54.0	84.6	-11.4	2.9	4.1	5.8
15	6.9	76.9	0.5	146.4	-16.2	3.6	4.7	5.9
16	7.4	64.7	2.5	438.6	-18.6	3.7	4.9	6.3
17	6.2	84.3	5.5	188.4	-29.4	2.0	2.7	3.9
18	8.2	69.5	0.0	608.4	-46.2	1.1	1.7	2.7
19	11.8	71.7	0.0	524.7	-56.4	2.0	2.7	4.2
20	16.7	69.1	0.0	303.6	-35.4	4.3	6.2	8.6
21	12.0	88.8	3.5	40.2	-4.8	3.7	4.9	6.5
22	11.3	67.2	0.0	359.4	-13.8	0.8	1.0	2.0
23	10.3	84.5	7.5	244.8	-15.0	2.1	2.8	4.2
24	9.8	59.3	0.0	499.2	-28.2	1.2	1.8	2.8
25	9.8	60.6	0.5	328.2	-36.0	1.5	2.1	3.0
26	9.2	59.5	0.0	596.8	-53.4	1.1	1.5	2.6
27	11.4	71.9	0.0	364.8	-31.8	2.0	2.7	3.7
28	14.9	72.5	10.0	438.6	-13.8	2.6	3.1	5.0
29	12.5	59.4	0.0	624.6	-35.4	1.7	2.2	3.6
30	13.5	76.6	4.0	281.4	-16.2	2.2	2.8	3.8
MONTH	11.1	72.0	114.5	363.5	-28.7	2.2	3.1	4.5
LACK	5	5	3	5	0	5	5	5

TABLE 5.2- 4B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	14.7	11.6	12.6	6.6	3.2	2.2	2.4	3.1	6.7	4.3	11.2	1.4	2.5	5.2	5.9	4.2	2.2
20M	7.4	10.6	14.0	7.4	2.9	2.5	2.2	3.5	6.3	3.9	11.0	2.7	2.7	6.3	8.8	4.6	3.1
40M	1.1	10.5	13.7	8.1	3.6	2.7	3.2	6.2	4.1	6.7	9.5	2.2	3.1	4.2	9.8	8.0	3.4

TOKAI-40 4 / 1980

TABLE 5.2-4C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.4	1.4	1.4	1.3	1.2	1.2	1.4	2.1	2.5	3.0	3.1	3.7	3.5	3.4	3.4	3.2	2.9	2.5	2.4	2.1	2.0	1.8	1.7	1.5
SIGMA	1.5	1.6	1.5	1.4	1.3	1.4	1.6	2.0	1.8	1.6	1.5	1.7	2.0	1.5	1.7	1.6	1.8	1.4	1.8	1.6	1.6	1.7	1.7	1.3
20M																								
MEAN	2.1	2.1	2.2	2.0	1.9	1.8	1.9	2.6	3.2	3.8	4.0	4.6	4.6	4.4	4.4	4.3	4.0	3.6	3.4	3.1	2.9	2.7	2.5	2.2
SIGMA	1.9	2.1	1.9	1.7	1.8	2.1	2.6	2.3	2.3	2.0	2.4	2.9	2.2	2.3	2.2	2.4	1.8	2.3	2.0	2.0	2.0	2.1	2.3	1.7
40M																								
MEAN	3.7	3.7	3.5	3.5	3.3	3.0	3.0	3.6	4.2	4.8	5.1	5.9	6.1	5.9	5.8	5.7	5.5	5.2	5.1	4.6	4.5	4.2	3.9	3.9
SIGMA	2.2	2.4	2.4	2.2	2.0	2.0	2.8	3.2	3.0	3.0	2.7	3.3	3.9	3.0	3.1	3.0	3.0	2.5	3.0	2.5	2.6	2.7	2.8	2.0
TEMPERATURE																								
MEAN	8.9	8.7	8.4	8.2	7.9	8.2	9.2	10.9	11.9	12.7	13.4	13.7	13.9	14.0	13.9	13.6	13.1	12.3	11.7	11.4	10.9	10.4	9.8	9.3
SIGMA	4.6	4.7	4.5	4.6	4.7	4.4	3.6	3.4	3.5	3.5	3.7	4.1	4.1	4.2	4.1	4.0	3.6	3.4	3.5	3.5	3.7	4.0	4.4	4.4
HUMIDITY																								
MEAN	82.2	82.8	82.8	83.2	82.5	81.7	77.7	69.3	64.8	61.3	60.9	60.3	61.8	62.1	63.3	64.8	65.8	68.8	70.9	71.4	72.9	75.5	78.7	80.2
SIGMA	12.6	11.7	11.5	10.2	10.7	11.4	13.5	17.0	17.4	18.1	17.3	17.9	17.6	18.3	16.8	16.2	15.8	15.2	14.9	15.5	15.3	13.8	13.6	13.4
LAPSE RATE																								
MEAN	1.7	2.3	2.4	2.2	1.9	1.7	-1.0	-1.9	-2.5	-2.6	-3.0	-3.0	-2.8	-2.7	-2.3	-1.9	-1.4	-0.8	-0.1	-0.0	0.8	0.9	1.5	1.2
SIGMA	3.3	3.6	3.3	3.8	3.6	3.4	0.9	0.8	1.1	1.2	1.3	1.3	1.5	1.2	1.2	1.1	0.8	0.8	1.5	1.4	2.5	2.5	3.2	2.9
STABILITY RATIO																								
MEAN	0.5	-0.1	0.4	0.0	0.2	0.4	-0.3	-0.7	-0.8	-0.6	-0.6	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2	0.1	-0.1	-0.1	-0.1	-0.2	-0.2
SIGMA	1.8	0.3	0.8	0.5	0.9	1.7	0.3	0.8	0.8	0.8	0.5	0.5	0.4	0.4	0.4	0.5	0.6	0.3	0.2	0.5	0.2	0.2	0.4	0.2
RADIATION																								
MEAN	-2.1	-1.9	-2.0	-1.7	-1.6	0.8	13.6	26.6	36.9	42.9	48.1	49.0	45.3	41.8	31.5	19.9	8.6	-2.8	-3.3	-2.8	-2.8	-2.5	-2.6	-2.3
SIGMA	1.7	1.6	1.7	1.6	1.4	0.8	8.5	16.3	22.7	25.5	24.9	27.3	26.7	23.7	19.1	13.4	5.7	2.0	2.2	2.1	2.0	1.9	1.8	1.8

TABLE 5.2-4D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	MNW	N	LACK
A	18	1		1	3	2	1	1	1	1	1	1	1	1	2	2	1	
A-B	51		1	6	6	7	5	9	2	1	4	1	1	2	3	2	1	
B	76	2	8	10	4	5	8	7	8	2	7	2	2	4	5	1	1	
B-C	6		1	2					1	2								
C	39	3	14	5					6	4	4				2	1		
C-D	14	2	7						3	1	1							
D1	121	11	36	8	2		1	5	10	4	24	3	3	2	6	4	2	
D2	210	40	19	8	1	1	1	1	16	2	33	7	14	20	17	19	11	
E	10	4	2						1						1	1		
F	17	1	1	5					4	3					1	1		
G	153	21	5	4	8	2	2	3	12	7	3	5	28	32	13	8		
LACK	5																	5

TOKAI-40 4 / 1980

TABLE 5.2-4E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	105	12	3	5	2	2	3	4	1	3	7	5	12	23	23	14	8	0	105	
1.0-1.9		16	10	14	16	6	3	6	6	11	7	1	6	13	12	8	6		127	
2.0-2.9		15	11	14	4	6	8	9	10	7	7	3		1	5	7	2		141	
3.0-3.9		16	18	10	1	2	3	3	18	6	12				1	1			109	
4.0-4.9		15	30	3					10	1	16	1			1				91	
5.0-5.9		7	12						3	3	17								77	
6.0-6.9		2	5	1							7								42	
7.0-7.9											3								15	
8.0-8.9											4								4	
9.0-9.9																			4	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	105	83	90	47	23	16	17	22	48	31	80	10	18	37	42	30	16	5	720	
20M																				
-0.4																				
0.5-0.9	53	3	5	8	11	5	9	4	1	1	2	3	5	9	30	12	9	0	53	
1.0-1.9		12	8	11	5	7	4	4	4	5	6	7	10	18	20	11	9		84	
2.0-2.9		17	11	10	10	5	7	10	3	7	6	1	3	18	11	5	2		143	
3.0-3.9		9	10	13	4	3	4	7	12	7	4	4	1		1	4	2		126	
4.0-4.9		15	17	11					13	5	7	4			1				85	
5.0-5.9		10	20	4					7	1	10	1							74	
6.0-6.9		7	20	3					4	1	10	1							52	
7.0-7.9		2	7	1					1	2	17	2							46	
8.0-8.9		1	1								6								32	
9.0-9.9		1	1								4								8	
10.0-											7								5	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	53	76	100	53	21	18	16	25	45	28	79	19	19	45	63	33	22	5	720	
40M																				
-0.4																				
0.5-0.9	8	1	4	4	1	1	5	3	2	1	2	4	7	7	3	3	2	0	8	
1.0-1.9		6	6	4	5	2	5	2	2	4	2	4	7	12	18	7	7		25	
2.0-2.9		8	10	9	4	6	5	6	3	5	7	3	7	9	29	13	8		92	
3.0-3.9		14	10	11	9	6	8	7	2	3	6	2	6	12	15	10	5		132	
4.0-4.9		10	6	6	5	1	3	11	3	10	2	1	2	7	7	5	1		126	
5.0-5.9		14	12	10	2			11	8	5	3	2		1	4	4	1		72	
6.0-6.9		8	14	6				2	6	8	3	2		3	3	1			75	
7.0-7.9		3	15	8				1	3	2	3			1	3	3			51	
8.0-8.9		8	11	2				1	1	2	8			1	1	1			39	
9.0-9.9		2	6	1				1	1	5	7								34	
10.0-		1	4	1					1	7	25								22	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	
TOTL	8	75	98	58	26	19	23	44	29	48	68	16	22	30	70	57	24	5	720	

TOKAI-40 5 / 1980

TABLE 5.2- 5A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMID- ITY PERCENT	PRECIP- ITAT. MM	SOLAR CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	12.0	78.4	29.5	360.0	-30.0	2.7	3.5	5.3
2	11.8	69.7	0.0	573.0	-48.0	1.5	2.0	3.0
3	15.5	67.2	0.0	604.8	-46.8	1.9	2.6	3.8
4	18.2	71.5	0.0	549.6	-37.8	2.3	3.3	5.2
5	17.5	72.9	0.0	292.8	-19.8	1.3	1.8	2.8
6	13.7	64.3	1.5	538.3	-52.0	1.7	2.3	3.6
7	11.6	64.8	0.0	627.0	-60.6	2.0	2.7	4.0
8	12.8	80.7	9.0	300.0	-16.8	1.3	1.8	2.9
9	14.6	93.3	27.5	103.8	-11.4	1.2	1.6	2.4
10	13.0	81.0	13.0	492.6	-36.0	1.6	2.3	3.4
11	15.5	73.3	0.0	608.4	-45.6	1.8	2.6	4.0
12	17.7	73.0	0.0	517.2	-31.2	2.3	3.3	4.7
13	18.1	85.8	10.0	121.2	-11.4	1.7	2.5	3.9
14	17.9	81.4	0.0	590.4	-28.8	1.5	2.0	3.1
15	20.4	89.7	14.5	150.6	-7.8	1.7	2.7	4.1
16	11.9	86.7	17.5	98.4	-14.4	3.1	4.3	5.9
17	13.8	66.2	0.0	481.8	-20.4	1.1	1.6	2.7
18	13.3	64.0	0.0	191.4	-44.4	2.0	2.7	3.8
19	14.9	74.8	0.0	595.2	-48.6	2.2	2.9	4.2
20	16.8	83.4	1.0	458.4	-18.6	1.3	1.6	2.2
21	19.9	88.7	39.5	238.2	-10.2	2.9	3.9	5.6
22	18.8	75.4	1.5	405.0	-43.2	1.4	2.0	3.3
23	18.8	69.9	0.0	588.6	-49.8	1.7	2.3	3.5
24	20.9	75.0	0.0	556.8	-37.2	1.6	2.2	3.4
25	19.4	83.5	0.0	452.4	-23.4	1.6	2.3	3.3
26	20.3	95.5	17.5	65.4	-3.0	2.0	2.8	4.0
27	16.4	77.8	4.0	518.4	-39.0	2.3	3.0	4.7
28	18.7	74.0	0.0	512.4	-34.8	1.5	2.1	3.2
29	19.4	73.8	0.0	569.4	-35.4	1.3	1.7	2.4
30	19.8	85.5	0.0	321.0	-18.6	1.3	1.9	2.9
31	20.5	89.3	0.0	343.2	**	1.3	1.7	2.6
MONTH	16.5	77.7	186.0	413.2	-30.5	1.8	2.5	3.7
LACK	11	12	8	3	8	11	11	11

TABLE 5.2- 5B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	17.3	5.0	6.3	4.2	2.6	4.0	2.9	7.5	9.5	6.4	6.5	4.4	3.4	8.3	6.5	3.0	2.0
20M	8.3	4.6	6.7	4.6	2.3	4.2	3.0	8.7	8.6	6.3	7.8	6.3	4.5	8.3	9.3	3.7	2.7
40M	3.0	5.7	6.4	4.1	2.3	4.2	5.3	10.9	7.0	6.3	10.0	4.2	4.8	7.9	9.7	5.2	3.0

TOKAI-40 5 / 1980

TABLE 5.2- 5C HOURLY AVERAGES AND STANDARD DEVIATIONS

WIND SPD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H=																								
10M																								
MEAN	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.5	1.7	2.5	2.8	2.9	2.9	3.0	3.1	2.8	2.6	2.0	1.4	1.2	0.9	1.2	1.1	1.0
SIGMA	0.9	1.1	1.1	0.9	1.2	1.1	1.3	1.1	1.1	1.2	1.2	1.2	1.3	1.0	1.5	1.3	1.2	1.1	1.0	0.9	0.7	1.2	1.2	1.6
20M																								
MEAN	1.7	1.7	1.8	1.8	1.9	1.8	1.7	2.0	2.2	3.0	3.5	3.5	3.7	3.8	3.9	3.6	3.3	2.8	2.2	2.1	1.6	1.9	1.9	1.8
SIGMA	1.1	1.4	1.3	1.2	1.5	1.5	1.7	1.5	1.5	1.7	1.6	1.6	1.6	1.4	1.9	1.7	1.5	1.4	1.3	1.3	1.0	1.6	1.5	2.0
40M																								
MEAN	3.0	3.0	3.1	3.2	3.3	3.1	2.6	2.8	3.0	3.8	4.4	4.6	4.8	5.3	5.3	4.8	4.8	4.1	3.5	3.5	2.8	3.2	3.1	3.0
SIGMA	1.5	1.7	1.7	1.7	2.4	1.8	2.2	1.9	2.1	2.4	2.2	2.1	2.0	2.0	2.4	2.3	2.1	1.7	1.7	1.8	1.5	2.1	1.9	2.5
TEMPERA-																								
TURE																								
MEAN	14.1	13.7	13.3	13.0	12.8	13.8	15.6	16.9	18.0	19.0	19.3	19.5	19.1	19.3	19.2	18.9	18.5	18.0	17.2	16.7	16.3	15.6	14.9	14.6
SIGMA	4.0	4.1	3.9	3.9	3.8	3.5	3.2	3.5	3.8	4.1	4.0	3.8	3.2	3.6	3.7	3.8	3.6	3.7	3.4	3.6	3.7	3.4	3.7	3.7
HUMIDITY																								
MEAN	87.9	88.2	89.5	89.0	88.6	85.5	79.7	75.3	69.5	65.3	66.3	67.8	69.9	69.4	67.9	69.9	70.8	74.3	77.9	78.0	80.3	82.0	84.7	86.1
SIGMA	8.9	6.8	6.0	8.2	9.2	10.9	13.7	14.5	14.0	17.0	15.8	15.7	15.1	14.8	15.0	16.3	15.6	14.6	14.8	15.8	14.5	13.3	11.1	10.4

LAPSE																								
MEAN	2.4	2.0	2.2	2.6	2.4	0.1	-1.5	-2.0	-2.3	-2.6	-2.8	-3.0	-3.0	-2.7	-2.2	-1.9	-1.3	-0.6	0.5	0.8	1.2	1.4	2.1	2.0
SIGMA	3.5	3.1	3.2	3.2	3.3	1.9	0.8	0.9	1.0	1.0	1.2	1.3	1.1	1.1	0.8	0.8	0.9	2.0	2.1	2.3	2.6	3.2	2.9	
RATIO																								
MEAN	0.5	0.5	0.9	0.9	1.0	0.0	-1.0	-0.9	-1.1	-0.7	-0.5	-0.6	-0.4	-0.4	-0.4	-0.3	-0.3	-0.0	0.0	0.7	0.4	0.9	0.9	
SIGMA	1.2	1.5	2.2	1.3	2.2	1.0	0.8	0.7	1.1	0.6	0.3	0.5	0.2	0.2	0.5	0.4	0.4	0.4	0.3	1.9	1.2	1.8	1.6	
RADIA-																								
TION																								
MEAN	-2.4	-2.1	-2.5	-2.3	-1.2	-0.0	22.1	31.7	37.9	49.4	50.8	52.9	50.0	42.7	35.1	25.7	14.2	-2.0	-3.3	-3.1	-3.2	-2.8	-3.0	-2.8
SIGMA	1.9	1.7	1.5	1.5	1.3	0.1	13.0	19.6	21.5	22.0	22.6	25.9	27.2	23.1	20.0	14.4	8.2	1.6	2.0	2.0	1.9	1.8	1.8	1.9

TABLE 5.2- 5D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK						
A	29			1	7	6	2	1	1	2	1	1	2	1	4									
A-B	88	2	2	4	6	12	10	21	3	3	5	4	3	3	9	3	1							
B	71		5	2	1	7	7	19	11	1	3	1	2	4	2	3	3							
B-C	13	1	2	1				1	1	4	3													
C	43	3	7	7				2	14	3	6													
C-D	11		1	1					7		2													
D1	83	9	15	3	2	1		4	10	6	7	7	4	2	4	2	7							
D2	175	12	10	9	2	2	3	7	12	12	16	15	11	25	26	9	4							
E	14	2	1	1					1	2	1	3	1	2		1								
F	16	4	2	1					3	2	1	1	1											
G	190	7	4	4	4	2	3	6	10	20	14	12	20	43	25	14	2							
LACK	11																							11

TOKAI-40 5 / 1980

TABLE 5.2--5E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	MNW	N	LACK	TOTL
-0.4																			
0.5-0.9	127	3	1	3	1	5	3	2	5	6	6	9	13	23	14	7	2	0	127
1.0-1.9		10	9	9	13	9	9	16	10	23	11	13	11	33	26	11	6	2	103
2.0-2.9		10	11	10	5	11	7	23	16	11	11	7	7	4	3	4	3	3	219
3.0-3.9		8	13	4		4	2	14	21	5	14	2	1	1	1		3	3	133
4.0-4.9		1	6	5					14	1	7	1			4		1	3	93
5.0-5.9		1	4						4	1	1							1	40
6.0-6.9		3	2						4	1									11
7.0-7.9																			6
8.0-8.9		1																	1
9.0-9.9																			0
10.0-																			0
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	127	37	46	31	19	29	21	55	70	47	48	32	25	61	48	22	15	11	744
20M																			
-0.4																			
0.5-0.9	61	3	3	1	2		1		3	2	4	7	7	10	13	9	1	0	61
1.0-1.9		7	6	9	7	11	9	12	10	9	18	12	16	25	34	11	2		66
2.0-2.9		9	5	6	7	14	7	19	12	16	6	11	7	22	17	5	7		198
3.0-3.9		4	12	8	1	4	5	21	9	11	8	9	2	2	2	2	5		170
4.0-4.9		6	8	5		2		12	16	6	6	5	2	2	2	4	4		103
5.0-5.9		1	7	5				9	9	6	7	1	1	1	2	2	1		72
6.0-6.9		1	3					4	4	1	7	1	1	1	2				35
7.0-7.9		1	2					1	1	1	1								17
8.0-8.9		2	2					1	1	1									5
9.0-9.9																			5
10.0-																			0
LACK		1																	0
TOTL	61	34	49	34	17	31	22	64	63	46	57	46	33	61	68	27	20	11	744
40M																			
-0.4																			
0.5-0.9	22	2	4	4	1	1	1	7	3	8	6	11	11	5	4	4	1	0	22
1.0-1.9		4	3	7	7	11	10	5	7	4	21	9	14	11	14	6	4		20
2.0-2.9		7	7	3	7	11	10	15	17	8	18	11	14	20	18	11	5		110
3.0-3.9		10	5	6	2	5	15	20	10	10	7	5	7	15	16	4	3		163
4.0-4.9		4	11	5	1	1	9	20	10	10	10	2	2	4	13	8	2		136
5.0-5.9		6	6	2	1	1	1	7	7	7	7	2	2	3	3	2	3		112
6.0-6.9		3	5	6	1			13	3	6	7	1	1	1	1	2	3		61
7.0-7.9		3	4	3	3	1		5	4	5	5	1	1	2	2	2	1		53
8.0-8.9		1	2	2	1			2	2	1	4	1	1	2	1	1	1		24
9.0-9.9		2	2					1	4	1	4	1	1	2	1	1			13
10.0-		3	2					2	1	1	2								10
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
TOTL	22	42	47	30	17	31	39	80	51	46	73	31	35	58	71	38	22	11	744

TOKAI-40 6 / 1980

TABLE 5.2- 6A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM	NET RAD. CAL/SQCM	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	22.5	83.0	3.5	477.9	-16.8	2.7	3.6	5.2
2	21.5	85.7	2.0	404.4	-10.8	1.7	2.3	3.1
3	18.4	72.9	0.0	400.8	-28.8	1.6	2.0	2.7
4	19.5	69.7	0.0	559.2	-40.8	1.4	1.7	2.4
5	21.1	74.7	0.0	566.4	-40.8	2.1	2.9	4.1
6	20.4	81.7	0.0	713.8	-12.0	1.6	2.2	3.1
7	23.6	79.2	0.0	255.6	-16.8	2.4	3.7	5.3
8	23.0	89.0	4.0	136.2	-4.2	3.1	4.5	6.3
9	21.5	84.0	0.0	260.4	-6.0	1.6	2.2	3.2
10	20.0	76.7	0.0	444.0	-21.0	1.5	1.8	2.5
11	20.4	78.4	0.0	529.8	-20.4	1.4	1.8	2.5
12	21.4	85.8	0.5	441.0	-13.2	1.1	1.5	2.3
13	20.6	81.6	0.0	530.4	-9.4	2.0	2.5	3.3
14	**	**	**	**	**	**	**	**
15	**	**	**	**	**	**	**	**
16	**	**	**	**	-28.8	**	**	**
17	23.2	85.8	0.0	178.2	-14.4	1.4	2.0	3.0
18	23.7	78.1	0.0	255.0	-25.2	1.6	2.3	3.2
19	18.3	71.0	0.0	597.6	-19.8	2.8	3.6	4.8
20	17.9	82.6	3.0	178.2	-7.8	1.1	1.3	1.7
21	18.2	93.3	10.5	175.2	-6.0	3.0	3.9	5.1
22	19.5	87.5	0.0	581.4	-18.0	1.3	1.6	2.1
23	20.6	87.1	0.0	435.6	-16.8	1.6	2.2	3.1
24	24.0	73.9	3.0	417.0	-17.4	1.5	2.0	3.3
25	21.9	77.2	0.5	586.2	-29.4	2.1	2.7	3.5
26	21.3	86.4	3.0	204.6	-13.8	1.8	2.3	3.2
27	22.7	86.0	1.0	398.4	-6.0	1.0	1.3	1.8
28	20.5	86.0	9.5	388.2	-10.2	2.2	2.9	4.0
29	17.7	94.5	23.0	85.2	-18.0	3.3	4.3	5.6
30	17.9	81.0	15.5	486.6	-22.2	4.2	5.3	6.7
MONTH	20.7	82.1	79.0	390.1	-17.7	1.9	2.6	3.5
LACK	118	119	96	47	50	97	97	97

TABLE 5.2- 6B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	11.6	11.9	16.4	10.1	5.5	2.7	2.6	5.1	5.8	3.5	5.5	4.8	2.9	5.8	4.5	0.8	0.6
20M	8.5	9.1	19.9	10.3	5.1	2.4	2.2	6.1	4.8	3.2	5.1	5.9	3.7	6.9	5.0	1.0	0.6
40M	3.4	9.8	21.7	10.0	3.9	2.7	3.0	8.2	3.4	4.3	5.9	3.2	3.7	7.1	6.6	1.8	1.4

TOKAI-40 6 / 1980

TABLE 5.2-6C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME<HR>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.3	1.1	1.2	1.5	1.4	1.5	1.6	1.7	1.9	2.3	2.6	2.8	2.9	2.9	2.9	2.8	2.4	2.0	1.9	1.6	1.6	1.5	1.5	1.4	1.4
SIGMA	1.0	0.9	0.9	1.3	1.3	1.1	1.0	1.1	1.3	1.2	1.0	1.2	1.4	1.2	1.4	1.2	1.0	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.2
20M																									
MEAN	2.0	1.8	1.8	2.1	2.0	2.0	2.2	2.3	2.8	3.2	3.4	3.6	3.5	3.6	3.5	3.1	2.7	2.6	2.3	2.3	2.3	2.1	2.1	2.1	2.1
SIGMA	1.3	1.2	1.2	1.6	1.6	1.4	1.2	1.4	1.7	1.7	1.5	1.8	1.6	1.8	1.6	1.5	1.4	1.7	1.6	1.6	1.7	1.6	1.4	1.5	1.5
40M																									
MEAN	3.1	3.0	2.9	3.2	2.9	2.7	2.9	2.8	2.9	3.4	3.8	4.3	4.6	4.6	4.7	4.5	4.1	3.8	3.7	3.3	3.4	3.2	3.2	3.3	3.3
SIGMA	1.6	1.5	1.4	1.9	2.0	1.7	1.5	1.7	2.2	2.3	2.1	1.9	2.4	2.2	2.4	2.1	1.9	1.9	2.2	2.0	2.1	2.0	1.8	1.8	1.8
TEMPERA-																									
TURE																									
MEAN	19.4	19.2	19.0	18.6	18.5	19.1	20.0	21.1	22.0	22.3	22.6	22.4	22.4	22.3	22.1	22.0	21.7	21.1	20.7	20.1	20.1	19.9	19.7	19.5	19.5
SIGMA	2.3	2.3	2.4	2.3	2.1	1.7	1.8	2.1	2.6	2.8	2.8	2.4	2.3	2.2	2.3	2.5	2.3	2.2	1.9	2.0	2.0	2.1	2.2	2.2	2.3
HUMIDITY																									
MEAN	89.1	89.2	90.1	89.7	89.8	87.7	83.9	79.9	75.4	73.8	74.3	75.1	74.7	73.0	74.4	76.5	79.0	81.7	83.0	85.2	85.8	86.7	87.0	88.6	88.6
SIGMA	7.1	7.5	6.6	8.1	7.4	8.7	9.4	10.7	12.3	10.8	9.5	9.6	10.4	15.5	12.4	9.7	11.0	9.7	8.6	7.1	7.1	6.8	7.3	7.2	7.2
LAPSE																									
RATE																									
MEAN	0.5	0.4	0.5	0.3	0.2	0.9	-1.5	-2.0	-2.4	-2.4	-2.8	-3.0	-2.8	-2.7	-2.6	-2.2	-1.8	-1.2	-0.4	0.1	0.5	0.8	0.5	0.5	
SIGMA	2.8	2.4	2.6	1.6	1.5	0.6	0.6	0.8	0.7	0.8	1.0	1.1	1.1	1.0	0.9	0.8	0.7	0.8	1.7	1.8	2.0	2.9	2.2	2.7	2.7
STABIL-																									
RATIO																									
MEAN	0.3	-0.2	-0.1	0.1	0.1	0.1	-0.5	-0.7	-0.8	-0.8	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.3	-0.1	-0.0	-0.1	0.5	-0.1	
SIGMA	2.2	0.5	0.4	0.5	0.5	0.5	0.5	0.7	0.7	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.3	0.1	0.6	0.4	1.7	0.6	
RADIA-																									
TION																									
MEAN	-1.5	-1.6	-1.4	-1.3	-0.7	-0.0	17.2	25.6	34.5	43.6	48.2	52.1	49.2	41.6	34.8	24.5	13.5	4.8	-1.9	-2.1	-1.9	-1.6	-1.8	-1.7	
SIGMA	1.2	1.1	1.0	1.2	0.8	0.1	11.2	14.7	16.7	20.0	24.3	24.4	19.6	16.8	13.1	7.7	2.2	1.3	1.3	1.3	1.3	1.3	1.5	1.4	

TABLE 5.2-6D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NWN	N	LACK
A	12			1	3	1	2	1	1	1	1		1	1				
A-B	82	1	3	12	12	13	10	10	4	2	5	2	3	2	2	1		
B	71	1	11	9	14	2	3	15	3	1	1	3	2	3	2	1		
B-C	10	1	3	2	2			2	1	1								
C	47	10	16	7	7			1	2	3	1	1						
C-D	6	2																
D1	85	15	20	10	3	3	2	2	8	8	9	2		1	2			
D2	205	42	58	13	5	3	3	6	6	13	17	11	20	18	6	4		
E	8	1	3							3	1							
F	7	1	5															
G	90	5	5	13	4	2	1	2	2	8	2	5	8	17	11	2	3	
LACK	97																	

TOKAI-40 6 / 1980

TABLE 5.2-6E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	72																			
0.5-0.9		5	7	8	4	1	3	2	2	5	1	12	7	10	9	4	2	0	72	
1.0-1.9		16	22	29	20	8	6	10	6	7	8	7	11	24	18	1	2		82	
2.0-2.9		17	33	17	10	8	7	15	11	3	16	6		2	1				195	
3.0-3.9		15	25	5			5		6	5	4	5							146	
4.0-4.9		15	12	4					10	1	3								70	
5.0-5.9		5	3						1	1	1								45	
6.0-6.9		1							1	1	1								11	
7.0-7.9																			2	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	
TOTL	72	74	102	63	34	17	16	32	36	22	34	30	18	36	28	5	4	97	720	
20M																				
-0.4	53																			
0.5-0.9		2	5	1	2		1	2	1	2	3	3	3	7	6	4	1	0	53	
1.0-1.9		9	12	23	16	6	5	6	4	3	3	9	11	18	17	2	1		43	
2.0-2.9		8	40	23	10	9	7	12	4	6	6	8	7	17	8				145	
3.0-3.9		11	26	9	4		1	13	11	3	9	5	2	1					167	
4.0-4.9		7	22	3				4	6	3	5	11							95	
5.0-5.9		13	13	2	2		1		3	1	2	1							61	
6.0-6.9		6	5	3					1	1	3								36	
7.0-7.9		1	1						1	1	3								19	
8.0-8.9																			3	
9.0-9.9																			0	
10.0-																			1	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	
TOTL	53	57	124	64	32	15	14	38	30	20	32	37	25	43	31	6	4	97	720	
40M																				
-0.4	21																			
0.5-0.9		1	5	2	3	1	1		1	1	3	4	1	2	3	3	1	0	21	
1.0-1.9		4	10	7	6	6	3	4	2	5	3	7	7	12	6	3	4		25	
2.0-2.9		12	18	18	12	8	5	5	5	6	2	6	10	16	13	5	1		86	
3.0-3.9		4	40	20	3	2	8	13	4	4	4	4	4	12	13		3		136	
4.0-4.9		13	20	6			2	14	6	3	4	4	1	2	6				140	
5.0-5.9		7	14	1				7	1	5	9	2							77	
6.0-6.9		7	17	3			6	6	2	2	7	4							46	
7.0-7.9		10	9	4			2		3	3	3								48	
8.0-8.9		3	1	1				1	1	1	3								31	
9.0-9.9																			8	
10.0-																			3	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	
TOTL	21	61	135	62	24	17	19	51	21	27	37	20	23	44	41	11	9	97	720	

TOKAI-40 7 / 1980

TABLE 5.2-7A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	18.1	82.0	0.0	522.0	-16.2	4.0	5.0	6.3
2	16.9	84.5	7.0	245.4	-13.6	3.6	4.5	5.6
3	18.5	89.4	11.5	430.2	-22.2	1.7	2.2	2.9
4	20.3	86.5	0.0	439.8	-21.0	2.0	2.6	3.4
5	19.5	87.7	0.0	198.0	-1.8	2.4	3.1	4.0
6	20.4	92.4	0.0	404.4	-2.4	1.6	2.0	2.5
7	20.4	96.1	1.0	89.1	0.0	2.4	3.1	4.2
8	20.2	95.7	50.5	196.2	-7.2	2.2	2.9	3.9
9	20.2	96.7	6.0	104.4	-10.2	1.4	2.1	2.9
10	20.9	90.5	0.0	461.4	-17.4	1.6	2.2	3.0
11	20.9	95.0	17.0	156.8	-8.4	1.7	2.3	3.3
12	21.0	88.0	3.0	402.0	-12.6	2.9	3.6	4.8
13	20.8	77.1	0.0	576.0	-37.2	1.6	1.9	2.9
14	21.7	83.5	0.0	297.0	-19.2	1.6	2.2	3.2
15	22.6	89.2	0.0	400.8	-3.6	3.8	3.5	4.7
16	19.0	92.9	12.0	136.2	-6.6	3.8	4.9	6.4
17	18.4	79.9	0.0	369.0	-6.0	3.5	4.4	5.4
18	18.9	88.5	6.0	99.6	-12.0	2.2	2.9	3.8
19	21.1	97.0	5.0	163.2	-10.8	0.5	0.8	1.6
20	**	**	0.0	**	-14.2	**	**	**
21	23.5	89.8	0.0	510.1	-16.9	0.9	1.2	1.9
22	25.6	90.3	0.0	420.9	-16.9	1.4	2.1	3.2
23	26.2	89.2	0.0	368.4	-15.6	1.3	1.8	2.7
24	27.0	78.0	0.0	344.4	-11.4	1.8	2.5	3.6
25	24.5	90.0	13.0	249.6	-15.6	1.4	2.1	3.3
26	21.5	91.1	0.0	301.8	-11.4	2.9	3.6	4.6
27	20.3	89.6	4.5	309.6	-6.6	3.7	4.7	6.0
28	20.3	86.7	1.0	334.8	-6.0	2.3	2.9	3.7
29	21.0	90.6	55.0	316.8	-18.0	2.7	3.5	4.5
30	20.7	92.5	5.5	331.2	-8.4	3.1	3.9	5.0
31	21.6	91.2	26.0	378.0	-4.8	2.8	3.4	4.4
MONTH	21.0	89.1	224.0	315.6	-12.0	2.3	2.9	3.9
LACK	25	30	16	18	5	23	23	23

TABLE 5.2-7B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	8.3	13.6	38.0	8.5	3.3	1.0	1.8	3.9	3.9	2.9	2.8	2.9	2.1	4.0	1.0	1.5	0.6
20M	6.1	11.8	40.8	8.9	3.2	0.8	1.4	4.3	3.5	2.6	3.5	2.6	2.9	4.6	1.7	0.8	0.6
40M	2.6	11.5	42.0	8.2	2.8	1.2	2.5	5.1	3.1	3.3	3.2	2.1	3.5	4.2	1.9	1.8	1.0

TOKAI-40 7 / 1980

TABLE 5.2-7C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.8	1.8	1.9	1.7	1.6	1.8	1.7	2.0	2.2	2.4	2.6	2.7	2.7	2.9	2.9	3.0	2.8	2.4	2.5	2.3	2.3	2.2	2.1	2.0
SIGMA	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.2	1.0	1.2	1.0	1.1	1.3	1.2	1.4	1.3	1.3	1.4	1.5	1.5	1.7	1.6	1.5
20M																								
MEAN	2.5	2.6	2.6	2.4	2.3	2.4	2.2	2.5	2.7	2.9	3.2	3.2	3.3	3.5	3.5	3.7	3.6	3.2	3.3	3.1	3.1	2.9	2.8	2.7
SIGMA	1.7	1.5	1.6	1.4	1.5	1.5	1.5	1.6	1.6	1.3	1.5	1.2	1.4	1.6	1.6	1.7	1.7	1.6	1.8	1.9	1.8	2.0	2.0	1.9
40M																								
MEAN	3.4	3.7	3.8	3.5	3.3	3.3	2.9	3.3	3.5	3.6	3.9	4.0	4.1	4.4	4.5	4.7	4.8	4.3	4.4	4.3	4.4	4.1	4.0	3.8
SIGMA	2.0	1.8	1.9	1.9	1.6	1.7	1.8	1.9	1.9	1.5	1.8	1.5	1.8	2.0	2.0	2.1	2.0	2.0	2.1	2.2	2.0	2.4	2.3	2.1
TEMPERATURE																								
20.0	19.9	19.8	19.7	19.7	20.0	20.6	21.3	21.7	22.3	22.2	22.7	22.9	22.7	22.7	22.1	21.8	21.6	21.5	20.9	20.7	20.6	20.3	20.3	20.2
SIGMA	2.2	2.1	2.2	2.1	2.2	1.9	2.2	2.5	2.9	3.3	3.1	3.3	3.0	3.0	2.8	2.9	2.9	2.5	2.4	2.4	2.3	2.2	2.2	2.3
HUMIDITY																								
MEAN	93.4	93.9	94.6	94.4	94.0	92.6	90.8	87.9	86.3	84.3	83.8	83.1	81.7	82.4	84.4	85.1	86.2	88.3	89.8	90.8	91.6	92.0	92.1	92.4
SIGMA	5.1	4.6	4.8	4.7	5.5	6.4	6.7	8.0	8.7	8.7	9.0	8.5	9.6	9.0	8.6	9.4	8.5	7.7	6.5	5.7	5.3	5.1	5.3	5.3
LAPSE RATE																								
MEAN	-0.4	-0.3	-0.5	-0.3	-0.5	-1.0	-1.5	-1.6	-2.1	-2.4	-2.5	-2.7	-2.8	-2.6	-2.3	-2.1	-1.8	-1.4	-0.9	-0.7	-0.6	-0.4	-0.3	-0.2
SIGMA	1.1	1.4	0.8	1.7	1.2	0.5	0.5	0.7	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.5	0.5	0.6	1.1	1.1	1.3	1.5	1.5	1.7
STABIL. RATIO																								
MEAN	-0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.5	-0.5	-0.6	-0.6	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.2	-0.2	-0.1	-0.2	-0.3	-0.2
SIGMA	0.6	0.1	0.3	0.2	0.5	0.2	0.6	0.5	0.7	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.5	0.4	0.2	0.2	0.4	0.2	0.3	0.3
RADIATION																								
MEAN	-1.0	-1.0	-1.1	-0.9	-0.5	-0.0	11.8	17.0	24.9	37.1	37.8	45.9	43.7	37.0	28.2	20.2	11.9	-0.2	-1.4	-1.4	-1.3	-1.2	-1.0	-0.9
SIGMA	0.9	0.9	1.0	1.0	0.7	0.1	10.4	10.5	15.5	20.5	21.2	22.9	23.0	18.4	15.8	11.5	6.3	0.7	1.1	1.1	1.0	1.0	0.9	0.9

TABLE 5.2-7D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK
A	14			2	2	2	2	1	1	2	1	1	1	1				
A-B	62		7	11	8	3	7	11	1	1	3	5	4	2	3			
B	51	2	14	6	4	1		4	5	3	4	3	4	2	1			
B-C	21	3	11	2				1	2	1	1							
C	58	5	38	3	1			3	6	1	1							
C-D	17	2	13	1				1	1									
D1	100	24	46	9	4	1		2	3	1	3	1	2	2	2	2		
D2	315	57	136	22	7	2	4	7	10	9	8	11	7	15	6	8	6	
E	15	3	7	4														
F	1	1																
G	67	5	4	4	2	2	2	3	8	3	4	4	7	16	2	6	1	
LACK	23																	23

TOKAI-40 7 / 1980

TABLE 5.2-7E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	60	2	5	13	7	3	5	3	3	7	4	10	9	16	4	6	2	0	60	
1.0-1.9		22	31	18	10	1	5	10	5	8	9	9	6	13	3	5	2		99	
2.0-2.9		30	81	20	7	3	3	13	7	3	6	2							157	
3.0-3.9		29	86	8				2	10	3	1								175	
4.0-4.9		14	57	2					3										139	
5.0-5.9		1	12						3										76	
6.0-6.9			2																13	
7.0-7.9																			2	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	60	98	274	61	24	7	13	28	28	21	20	21	15	29	7	11	4	23	23	744
20M																				
-0.4	44																			
0.5-0.9		1	6	7	3	1	3	2	1	1	1	1	3	5	8	2	1	0	44	
1.0-1.9		13	20	14	9	3	5	11	6	8	7	11	13	16	4	2	1		43	
2.0-2.9		17	42	27	10	2	5	8	5	8	6	4	4	12		2	2		143	
3.0-3.9		25	76	10	1			9	6	2	7	2	1						154	
4.0-4.9		17	78	5				1	5	2	3	1							139	
5.0-5.9		11	44	1					5	3	3								110	
6.0-6.9		1	21						2	1									59	
7.0-7.9			6																22	
8.0-8.9			1																6	
9.0-9.9																			1	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	44	85	294	64	23	6	10	31	25	19	25	19	21	33	12	6	4	23	23	744
40M																				
-0.4	19																			
0.5-0.9		2	1	1		2		2	1	1	1	1	1	1	1	1	2	0	19	
1.0-1.9		4	14	6	7	5	1	4	3	1	4	2	8	12	5	5	2		17	
2.0-2.9		8	26	22	9	2	12	5	4	5	6	7	9	9	7	3	3		83	
3.0-3.9		13	51	16	3		4	6	7	6	5	3	6	5	2	3			137	
4.0-4.9		28	57	19	1		1	12	3	8	4	1	1	3		1			130	
5.0-5.9		13	57	3				6	3	1	2	1	1						129	
6.0-6.9		12	52	2				2	1	2	1								85	
7.0-7.9		2	27						1										72	
8.0-8.9		1	10																30	
9.0-9.9			6																11	
10.0-			2																6	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	19	83	303	59	20	9	18	37	22	24	23	15	25	30	14	13	7	23	23	744

TOKAI-40 8 / 1980

TABLE 5.2- 8A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	19.2	87.3	0.0	128.0	-2.4	4.5	5.7	7.4
2	19.0	85.8	5.0	271.8	-8.4	4.1	5.2	6.5
3	18.2	91.4	10.0	136.8	-7.2	4.5	5.6	7.2
4	19.0	86.6	1.5	427.8	-14.4	5.4	6.7	8.5
5	19.2	81.8	0.0	537.6	-22.2	4.9	6.2	8.0
6	18.8	77.7	0.0	351.0	-18.6	3.3	4.2	5.4
7	19.1	78.9	0.0	435.0	-17.4	2.3	2.8	4.1
8	19.4	78.3	0.0	520.8	-33.0	3.0	3.8	4.9
9	19.1	81.6	0.0	512.4	-46.8	2.1	2.7	3.7
10	18.7	85.8	0.0	493.8	-42.6	2.6	3.2	4.5
11	20.0	89.9	0.0	500.4	-35.4	1.8	2.2	3.2
12	22.0	86.5	0.0	499.2	-30.0	1.3	1.6	2.3
13	21.1	91.3	0.0	481.8	-22.2	1.5	1.9	2.6
14	23.9	90.5	0.0	396.0	-9.0	1.2	1.4	2.3
15	23.4	91.0	0.5	301.2	-12.0	2.3	3.0	3.9
16	20.4	93.5	1.0	113.4	-1.8	2.5	3.1	3.9
17	21.6	93.6	0.5	226.8	-8.4	1.0	1.3	1.9
18	21.8	92.8	1.0	241.2	-8.4	1.3	1.6	2.3
19	21.9	93.5	11.0	338.4	-10.8	1.9	2.5	3.3
20	22.9	92.5	3.0	180.6	-14.4	0.7	0.9	1.4
21	22.4	91.1	0.5	347.4	-7.8	2.4	3.1	4.1
22	22.3	91.9	2.5	199.2	-4.8	2.0	2.6	3.6
23	22.7	93.9	1.0	130.2	-4.8	1.6	2.1	3.0
24	25.1	82.0	0.0	435.0	-14.4	1.5	2.0	2.9
25	21.2	83.1	0.0	396.0	-16.8	4.5	5.7	7.2
26	19.1	89.4	5.0	85.8	-7.2	4.5	5.6	7.2
27	19.6	90.2	18.5	208.2	-13.8	4.0	5.1	6.7
28	21.4	89.0	0.0	432.6	-12.6	1.5	2.0	2.7
29	22.0	92.0	0.0	278.4	-12.6	1.9	2.5	3.5
30	23.0	92.5	0.0	232.2	-3.6	2.0	2.5	3.4
31	21.4	95.6	1.0	124.2	-6.6	2.1	2.7	3.6
MONTH	20.9	88.4	62.0	322.0	-15.2	2.6	3.3	4.4
LACK	1	8	0	1	0	1	1	1

TABLE 5.2- 8B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	WSW	W	WNW	NW	NNW	N
10M	11.2	16.4	42.5	9.8	3.4	2.0	0.8	1.3	0.5	0.8	0.1	2.0	3.0	3.4	0.9	1.2
20M	8.7	14.1	44.7	11.8	2.6	1.7	0.8	1.6	0.7	0.5	0.1	2.3	2.7	3.9	0.9	2.0
40M	2.4	14.5	46.2	11.0	2.7	1.9	0.9	1.6	0.7	1.2	0.9	1.9	3.4	4.5	3.1	2.7

TOKAI-40 8 / 1980

TABLE 5.2-80 HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=10M																									
MEAN	2.0	1.9	1.9	2.1	1.9	1.9	2.3	2.7	3.0	3.1	3.3	3.3	3.4	3.4	3.4	3.0	3.0	2.7	2.5	2.6	2.4	2.2	1.9	1.9	
SIGMA	1.8	1.8	1.7	1.8	1.9	1.7	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.5	1.5	1.4	1.4	1.4	1.6	1.7	1.3	1.5	1.4	1.6	
H=20M																									
MEAN	2.6	2.6	2.5	2.7	2.6	2.6	2.9	3.3	3.6	3.7	4.0	4.1	4.1	4.1	4.1	3.8	3.8	3.5	3.3	3.5	3.2	2.9	2.6	2.4	
SIGMA	2.2	2.2	2.1	2.2	2.4	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.7	1.8	1.9	1.8	1.8	1.9	2.0	2.0	1.5	1.8	1.7	2.0	
H=40M																									
MEAN	3.7	3.8	3.7	4.0	3.9	3.9	3.8	4.1	4.6	4.6	4.9	5.0	5.0	5.1	5.0	4.9	4.9	4.6	4.5	4.6	4.3	4.1	3.7	3.5	
SIGMA	2.6	2.5	2.4	2.4	2.6	2.4	2.4	2.6	2.5	2.3	2.3	2.1	2.2	2.3	2.4	2.3	2.3	2.3	2.4	2.5	1.9	2.0	2.0	2.4	
TEMPERATURE																									
HUMIDITY																									
MEAN	19.9	19.6	19.5	19.4	19.3	19.7	20.6	21.4	22.0	22.4	22.5	22.2	22.1	22.1	22.0	21.7	21.3	21.0	20.8	20.8	20.7	20.6	20.5	20.3	
SIGMA	2.0	2.2	2.3	2.4	2.4	2.1	1.8	2.1	2.2	2.3	2.4	2.1	2.1	2.1	2.0	2.1	2.0	1.9	1.8	1.9	1.9	1.9	2.0	1.9	
MEAN	93.1	93.5	93.2	93.4	93.3	91.0	88.8	86.1	82.6	82.0	81.1	82.6	83.7	84.6	84.4	85.6	87.8	88.9	90.0	90.5	90.4	90.8	91.5	92.3	
SIGMA	5.6	4.9	5.5	5.4	5.8	5.8	7.7	7.1	8.8	8.1	7.7	7.3	7.5	7.2	7.0	6.3	5.8	6.0	5.9	6.2	6.3	5.8	6.0	6.0	
LAPSE RATE																									
MEAN	-0.6	-0.3	-0.1	-0.1	0.5	-0.4	-1.2	-1.9	-2.3	-2.5	-2.8	-2.9	-2.7	-2.7	-2.5	-2.2	-1.7	-1.4	-1.0	-1.0	-1.0	-0.9	-0.7	-0.6	
SIGMA	0.9	1.4	1.6	1.7	2.5	1.4	0.4	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.7	0.5	0.6	0.5	0.9	0.7	
STABILIZATION RATIO																									
MEAN	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.6	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	
SIGMA	0.3	0.1	0.9	0.3	0.1	0.1	0.4	0.8	0.7	0.5	0.3	0.4	0.4	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.2
RADIATION																									
MEAN	-1.5	-1.2	-1.2	-1.1	-0.8	-0.1	12.6	22.6	32.2	38.6	45.4	42.9	37.1	34.7	28.9	18.0	9.3	-0.7	-1.6	-1.4	-1.5	-1.4	-1.5	-1.4	
SIGMA	1.3	1.4	1.2	1.2	0.9	0.2	8.9	13.3	15.9	17.1	20.2	21.0	20.8	17.8	15.9	10.9	6.5	0.9	1.5	1.4	1.3	1.3	1.5	1.3	

TABLE 5.2-80 FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK						
A	6																							
A-B	41																							
B	83		3	13	9	7	1	1																
B-C	17		28	20	8	6	3	5	1	1														
C	59		11	5																				
C-D	24		6	39	11																			
D1	110		20	69	7	1	1	3																
D2	316		79	123	17	5	3	2	3	7	10	1	18	15	19	5	1							
E	9																							
F	15		6	9																				
G	63		11	8	1	1	1	1	1	1	1	2	3	9	17	5	3							
LACK	1																							

TOKAI-40 8 / 1980

TABLE 5.2-8E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	83																			
0.5-0.9	2	2	2	5	5	2	2	4	1	10	16	17	5	3	0	83				
1.0-1.9	23	28	17	11	10	3	5	1	2	5	6	7	2	6	71					
2.0-2.9	35	79	32	9	5	1	5	1	2	1	1	1	2	6	127					
3.0-3.9	22	77	17	17	5				1						168					
4.0-4.9	24	77	17	5					2						117					
5.0-5.9	13	46													108					
6.0-6.9	3	7													59					
7.0-7.9															10					
8.0-8.9															0					
9.0-9.9															0					
10.0-															0					
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	83	122	316	73	25	15	6	10	4	6	4	1	15	22	25	7	9	1	1	744
20M																				
-0.4	65																			
0.5-0.9	2	3	2	5	5	3	1	2	1	4	3	15	4	6	0	65				
1.0-1.9	6	9	9	5	6	3	1	2	2	11	14	12	3	6	52					
2.0-2.9	28	53	36	8	7			1	1	2	3	2	3	3	91					
3.0-3.9	21	79	19	1					1	2	3	2	2	3	153					
4.0-4.9	18	49	16						1						121					
5.0-5.9	15	72	6						1						85					
6.0-6.9	9	48							1						94					
7.0-7.9	5	19													57					
8.0-8.9	1														24					
9.0-9.9															1					
10.0-															0					
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	65	105	332	88	19	13	6	12	5	4	5	1	17	20	29	7	15	1	1	744
40M																				
-0.4	18																			
0.5-0.9	1	1	7	3	6	1	3	1	1	1	3	3	4	1	0	18				
1.0-1.9	4	10	14	6	7	3	1	2	2	7	9	7	7	11	19					
2.0-2.9	4	18	14	6	7	3	1	2	2	6	13	12	10	4	88					
3.0-3.9	25	62	27	5	1			1	2	2	8	2	2	4	105					
4.0-4.9	22	61	16					3	1	1					144					
5.0-5.9	14	42	9					1	1						104					
6.0-6.9	12	44													66					
7.0-7.9	13	50							1						67					
8.0-8.9	9	40													63					
9.0-9.9	3	14													49					
10.0-	1	2													17					
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	18	108	343	82	20	14	7	12	5	9	4	7	14	25	32	23	20	1	1	744

TOKAI-40 9 / 1980

TABLE 5.2-9A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPIT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	22.8	77.5	0.0	385.8	-16.2	2.0	2.5	3.4
2	21.3	83.8	0.0	289.2	-22.2	1.2	1.5	2.0
3	22.4	49.7	140.5	310.2	-5.4	1.5	1.9	2.9
4	23.3	53.7	8.5	138.6	-16.8	1.3	1.7	2.8
5	24.6	89.5	0.0	345.6	-28.8	1.7	2.4	3.6
6	25.0	86.2	0.0	174.0	-15.0	0.7	1.0	1.9
7	24.8	88.4	0.0	229.8	-10.8	2.3	2.9	4.1
8	21.1	90.7	6.0	90.4	-6.6	3.2	4.1	5.7
9	21.6	78.3	0.5	188.4	-6.0	2.9	3.7	4.9
10	22.4	93.2	28.5	142.2	-1.2	3.8	4.8	6.5
11	26.7	86.8	2.5	296.4	-13.8	3.3	4.4	6.0
12	26.2	86.8	0.5	327.6	-32.4	3.3	4.3	5.9
13	25.3	72.5	0.0	343.8	-39.6	1.7	2.6	3.9
14	22.5	73.8	0.0	397.2	-38.4	1.3	1.6	2.8
15	22.9	81.8	0.0	390.6	-42.0	1.2	1.5	2.6
16	22.8	82.8	0.0	343.8	-39.0	1.3	1.8	2.9
17	22.6	77.4	0.0	273.6	-37.2	1.3	1.8	2.7
18	21.7	55.8	0.5	194.4	-30.0	3.6	4.6	6.0
19	21.2	73.4	0.0	131.4	-19.2	4.2	5.3	7.0
20	20.5	80.4	0.0	227.4	-16.2	1.9	2.3	3.4
21	20.8	79.6	0.0	370.2	-24.0	2.4	3.1	4.1
22	21.2	73.3	2.5	195.6	-6.0	1.6	2.1	3.1
23	18.5	63.8	0.0	195.6	-7.8	2.4	3.0	4.2
24	18.1	82.0	0.5	67.2	-13.8	0.6	0.9	2.0
25	16.6	92.9	3.0	75.6	-16.2	0.8	1.2	2.1
26	17.1	82.0	4.0	127.2	-14.4	1.8	2.4	3.8
27	15.5	86.4	27.5	60.0	-8.4	4.3	5.7	7.7
28	17.2	73.0	0.0	322.2	-17.4	4.2	5.4	7.0
29	17.4	70.3	0.0	326.4	-43.8	3.1	4.0	5.5
30	17.1	73.5	0.0	413.4	-54.6	2.3	3.0	4.9
MONTH	21.4	77.9	225.0	246.4	-21.4	2.2	2.9	4.2
LACK	2	8	0	1	0	1	1	1

TABLE 5.2-9B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	11.8	19.7	18.8	2.2	1.0	2.5	1.9	3.3	8.2	3.2	2.9	1.5	1.7	4.0	10.3	3.2	3.6
20M	8.1	18.6	19.2	2.8	1.4	2.6	1.7	4.0	7.6	3.5	2.8	2.5	1.9	4.5	11.0	3.5	4.3
40M	3.1	18.6	18.8	2.6	1.4	3.1	2.5	6.4	6.3	3.6	3.1	1.4	2.4	4.5	13.4	3.3	5.7

TOKAI-40 9 / 1980

TABLE 5.2-9C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
WIND SPD																										
H=																										
10M	1.8	1.5	1.6	1.7	1.6	1.8	2.0	2.3	2.5	2.8	2.8	3.0	3.0	2.6	3.0	2.9	2.5	2.2	2.1	2.3	2.1	2.3	2.1	1.8	1.7	1.9
MEAN	1.4	1.4	1.6	1.6	1.5	1.8	1.6	1.8	1.8	1.9	1.6	1.4	1.5	1.3	1.3	1.5	1.5	1.2	1.4	1.5	1.6	1.5	1.6	1.4	1.5	
SIGMA	2.4	2.2	2.3	2.3	2.3	2.4	2.5	2.9	3.2	3.5	3.5	3.7	3.6	3.2	3.7	3.7	3.3	3.1	2.9	3.1	2.9	3.1	2.9	2.5	2.4	2.6
20M	1.7	1.8	2.0	2.1	1.9	2.3	2.0	2.4	2.3	2.5	2.1	1.8	1.8	1.7	1.7	1.9	1.8	1.4	1.7	1.8	2.0	1.9	1.8	1.9	1.9	
MEAN	3.8	3.5	3.8	3.8	3.8	3.9	3.6	3.9	4.2	4.6	4.5	4.7	4.7	4.2	4.9	4.9	4.5	4.3	4.1	4.4	4.4	3.9	3.7	3.8	3.8	
SIGMA	2.1	2.1	2.1	2.2	2.0	2.6	2.4	2.8	2.9	3.1	2.7	2.2	2.1	2.1	2.1	2.2	2.1	1.7	1.9	2.1	2.2	2.1	2.0	2.2	2.2	
TEMPERA-																										
TURE																										
MEAN	20.1	19.9	19.6	19.4	19.2	19.3	20.3	21.3	22.2	22.9	23.2	23.4	23.6	23.5	23.4	22.8	22.4	21.9	21.5	21.1	20.9	20.5	20.2	20.1	20.1	
SIGMA	3.1	3.1	3.1	3.1	3.0	3.1	3.0	3.2	3.3	3.4	3.5	3.6	3.8	3.6	3.5	3.5	3.3	3.2	3.1	3.0	2.9	3.0	3.0	3.0	3.1	
HUMIDITY																										
MEAN	82.9	83.3	83.4	83.3	84.5	84.2	81.8	77.9	73.6	71.6	71.6	71.5	71.3	72.9	70.5	71.8	75.1	76.8	78.0	78.7	80.1	80.8	82.2	82.7	82.7	
SIGMA	18.4	18.7	18.5	19.0	18.9	18.8	18.4	18.1	18.2	13.5	12.9	13.1	12.7	12.0	17.3	17.5	17.4	18.0	18.2	18.8	18.7	18.4	18.2	18.2	18.2	
LAPSE																										
RATE	0.3	0.6	0.4	0.6	0.4	0.4	-1.0	-1.7	-1.9	-2.1	-2.2	-2.4	-2.2	-2.2	-1.9	-1.5	-0.9	-0.5	0.1	-0.1	0.1	0.3	0.2	0.4		
MEAN	1.5	1.7	1.4	1.8	1.4	1.8	0.5	0.7	0.8	0.6	0.7	0.8	0.7	0.7	0.6	0.7	0.7	0.8	1.7	1.4	1.7	1.8	1.7	1.7		
SIGMA	0.2	0.1	0.2	0.1	-0.1	-0.1	-0.4	-0.5	-0.5	-0.8	-0.5	-0.3	-0.4	-0.5	-0.4	-0.4	-0.3	-0.1	-0.0	-0.1	-0.0	-0.1	-0.1	-0.1		
STABIL.																										
RATIO	0.9	0.7	0.9	0.5	0.3	0.2	0.5	0.6	0.6	0.9	0.5	0.2	0.3	0.5	0.3	0.6	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.3		
MEAN	1.4	-1.5	-1.4	-1.3	-1.3	-0.5	0.0	18.3	27.4	33.5	33.6	35.0	33.1	29.6	22.6	13.2	-0.8	-2.1	-2.0	-2.1	-1.8	-1.9	-1.7	-1.6		
SIGMA	1.2	1.4	1.3	1.2	1.3	0.9	0.0	12.6	16.2	17.3	18.2	17.1	15.6	15.7	14.4	8.1	1.2	1.5	1.4	1.5	1.2	1.5	1.4	1.4		

TABLE 5.2-9D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	MNW	N	LACK
A	5						1	2				1			1			
A-B	44		1	4	5	7	4	5	1		4	3	2	2	5	1		
B	57		7	6	1	6	5	8	2	1	5	1			10	2		
B-C	26	4	12	1			1	6			1							
C	29	4	19	1				2	1	2								
C-D	23	3	10					10										
D1	85	19	28	1		1	1	5	11	6	1	2	7	10	6	3		
D2	313	92	52	2	3	8	3	6	25	11	6	7	9	23	36	12	18	
E	17	8	2					1	5	1	1							
F	13	4	2					2	2	2	2							
G	107	7	3	3		2	1	5	12	7	7	7	6	12	25	11	6	
LACK																		

TOKAI-40 9 / 1980

TABLE 5.2-9E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	85																			
0.5-0.9		19	2	3	5	3	1	2	3	2	2	5	9	18	38	18	7	0	85	
1.0-1.9		31	7	5	2	6	8	10	9	12	9	6	3	11	35	5	9	0	113	
2.0-2.9		44	24	5	2	9	3	10	11	8	7	1	3	11	35	5	7	0	159	
3.0-3.9		30	53	3		2	2	13	13	1	3				1		2	0	118	
4.0-4.9		13	34					17	17								1	0	123	
5.0-5.9		4	13					5	5									0	82	
6.0-6.9		1	2					1	1									0	31	
7.0-7.9																		0	7	
8.0-8.9																		0	1	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	85	142	135	16	7	18	14	24	59	23	21	11	12	29	74	23	26	1	720	
20M																				
-0.4	58																			
0.5-0.9		8	6	4	1	7	1	1	1	3	2	5	4	7	27	15	2	0	58	
1.0-1.9		17	10	4	2	11	3	13	8	9	4	8	7	22	48	9	8	0	73	
2.0-2.9		28	19	5	1	1	3	8	4	10	9	5	3	3	4	1	9	0	155	
3.0-3.9		33	48	3				1	13	1	2						7	0	105	
4.0-4.9		22	29	3					7								3	0	95	
5.0-5.9		12	23	1					13	1							2	0	104	
6.0-6.9		11	2	2					7									0	68	
7.0-7.9		2	1						2									0	42	
8.0-8.9		1																0	15	
9.0-9.9																		0	3	
10.0-																		0	1	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	58	134	138	20	10	19	12	29	55	25	20	18	14	32	79	25	31	1	720	
40M																				
-0.4	22																			
0.5-0.9		1	2	2	1	5	3	3	3	1	6	1	1	2	6		3	0	22	
1.0-1.9		7	9	1	4	13	6	3	4	5	4	4	3	12	15	4	5	0	80	
2.0-2.9		19	8	3	2	2	8	6	7	4	6	2	4	17	41	10	3	0	133	
3.0-3.9		17	15	6	2	2	1	14	7	7	4	1	4	1	28	10	8	0	116	
4.0-4.9		32	29	2					9	4	4				6		8	0	92	
5.0-5.9		24	34	1					7	3	1						4	0	76	
6.0-6.9		15	19						6	2							1	0	46	
7.0-7.9		11	13						5	6								0	30	
8.0-8.9		4	5						2	1								0	11	
9.0-9.9		4	1															0	5	
10.0-		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	22	134	135	19	10	22	18	46	45	26	22	10	17	32	96	24	41	1	720	

TOKAI-40 10 / 1980

TABLE 5.2-10A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY IY PERCENT	PRECIPITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	17.5	71.6	0.0	366.6	-39.0	1.6	2.2	3.5
2	16.0	64.1	0.0	405.6	-61.2	2.1	2.9	4.7
3	15.8	67.0	0.0	390.6	-61.8	3.5	4.6	6.8
4	14.9	71.4	0.0	379.8	-55.8	1.2	1.7	3.2
5	17.2	67.5	0.0	365.4	-43.8	1.7	2.7	4.1
6	19.6	74.9	0.0	229.8	-19.2	1.6	2.4	3.8
7	20.8	88.5	0.5	81.6	-9.6	1.2	1.8	3.1
8	16.7	59.9	0.0	316.8	-16.8	1.3	1.7	2.8
9	17.6	81.8	0.0	364.2	-44.4	1.6	2.1	3.8
10	19.9	93.6	1.0	220.2	-12.0	0.8	1.0	1.9
11	19.1	80.3	0.0	141.6	-9.0	2.4	3.1	4.2
12	19.4	88.8	0.5	53.4	-4.8	1.5	1.9	2.7
13	18.7	89.9	24.5	208.8	-17.4	3.7	4.7	6.4
14	15.1	70.2	3.5	369.6	-48.0	1.9	2.6	4.1
15	16.5	83.7	3.5	144.6	-11.4	1.0	1.3	2.5
16	18.6	93.7	5.5	153.0	-16.2	0.9	1.3	2.3
17	19.4	78.4	0.0	281.4	-15.0	1.6	2.0	3.3
18	18.1	92.8	5.0	89.4	-9.0	1.9	2.6	3.6
19	17.0	90.5	28.0	44.4	-2.4	3.9	5.0	6.5
20	15.3	95.3	21.0	46.8	-15.0	1.6	2.3	3.7
21	13.1	59.2	0.0	338.2	-43.8	1.6	2.2	4.3
22	11.0	67.8	0.0	345.0	-66.0	1.1	1.7	3.3
23	11.5	73.0	0.0	226.2	-35.4	1.6	2.2	3.6
24	16.0	95.3	41.5	54.0	-3.0	2.4	3.4	4.7
25	15.9	58.9	0.5	325.8	-51.0	1.6	2.9	4.7
26	12.7	56.1	0.0	313.2	-69.0	1.7	3.0	4.8
27	11.3	65.5	0.0	306.6	-58.8	1.2	1.8	3.4
28	10.7	78.7	4.0	219.6	-23.4	1.2	1.9	3.0
29	8.2	82.4	0.0	137.0	-19.5	0.9	1.6	5.7
30	**	**	**	**	**	**	**	**
31	**	**	**	**	**	**	**	**
MONTH	16.2	77.6	139.0	235.3	-29.6	1.7	2.4	3.8
LACK	31	32	25	14	17	31	31	31

TABLE 5.2-10B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	14.6	11.8	11.8	5.2	3.4	1.5	1.7	0.8	0.8	3.1	3.4	2.5	3.5	7.9	14.2	6.0	7.9
20M	8.0	11.1	13.3	6.5	4.2	1.7	1.8	1.1	1.3	3.1	2.7	3.9	3.5	8.8	17.0	7.3	4.8
40M	1.8	12.3	12.5	6.5	4.3	1.8	2.1	1.8	1.1	3.5	2.8	3.5	4.1	7.3	18.1	10.5	5.9

TOKAI-40 10 / 1980

TABLE 5.2-10C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.4	1.3	1.1	1.1	1.3	1.1	1.4	1.8	2.0	2.1	2.3	2.4	2.2	2.4	2.1	2.2	2.0	1.9	1.7	1.8	1.5	1.5	1.4	1.4
SIGMA	1.5	1.1	1.1	1.3	1.3	1.1	1.0	1.4	1.4	1.4	1.2	1.2	1.1	1.3	1.2	1.3	1.6	1.7	1.7	2.0	1.6	1.4	1.5	1.3
20M																								
MEAN	2.0	1.9	1.7	1.7	1.9	1.8	2.0	2.4	2.5	2.7	2.9	3.0	2.9	3.2	2.8	3.0	2.8	2.7	2.6	2.5	2.3	2.1	2.1	2.1
SIGMA	1.9	1.4	1.3	1.6	1.7	1.4	1.4	1.8	1.7	1.7	1.5	1.6	1.6	1.7	1.6	1.6	1.9	2.1	2.1	2.4	2.0	1.8	1.9	1.6
40M																								
MEAN	3.9	3.7	3.5	3.5	3.7	3.5	3.6	3.6	3.5	3.6	3.8	4.0	4.0	4.3	3.9	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.8
SIGMA	2.3	1.5	1.7	1.7	1.8	1.7	1.7	2.2	2.3	2.2	2.0	2.1	2.1	2.0	2.0	1.9	2.3	2.5	2.4	2.9	2.4	2.0	2.1	1.7
TEMPERATURE																								
MEAN	13.9	13.8	13.4	13.2	13.1	12.9	14.2	16.2	17.5	18.4	19.1	19.5	19.8	19.5	19.4	19.1	18.2	17.2	16.6	16.1	15.7	15.1	14.6	14.0
SIGMA	4.1	4.0	4.3	4.3	4.6	4.6	4.1	3.8	3.7	3.5	3.6	3.0	2.6	2.6	2.4	2.2	2.5	3.0	3.3	3.5	3.7	3.9	3.9	4.2
HUMIDITY																								
MEAN	85.4	86.4	87.5	88.6	89.0	89.4	84.9	78.4	72.8	67.2	66.0	65.0	66.5	65.7	67.3	68.1	71.4	74.9	78.0	77.2	79.2	81.3	83.2	84.5
SIGMA	11.4	10.4	10.0	9.6	8.5	8.3	10.1	14.0	15.8	20.8	20.5	21.8	21.3	20.8	20.6	23.5	23.2	19.1	14.8	16.4	14.8	13.9	12.1	11.5
LAPSE RATE																								
MEAN	1.7	1.8	1.9	2.0	2.5	2.7	0.6	-1.2	-1.7	-2.0	-2.2	-2.4	-2.3	-2.1	-1.7	-0.9	-0.2	0.5	0.8	1.7	1.3	1.8	1.8	1.8
SIGMA	3.5	3.5	3.2	3.3	3.2	3.4	1.8	1.5	1.6	1.1	1.8	0.8	0.8	0.8	0.7	0.8	0.9	2.0	1.7	3.2	2.4	2.9	2.9	2.9
STABIL. RATIO																								
MEAN	1.0	0.7	0.7	1.2	0.9	1.3	0.2	-0.4	-0.8	-0.6	-0.5	-0.6	-0.5	-0.6	-0.4	-0.3	-0.1	0.0	0.3	0.9	0.8	0.5	0.6	1.4
SIGMA	2.9	1.3	1.3	2.4	1.5	2.1	0.7	1.3	1.1	0.5	0.4	0.5	0.4	0.5	0.3	0.4	0.4	0.7	2.2	1.6	1.1	1.2	2.3	
RADIATION																								
MEAN	-2.1	-1.6	-1.7	-2.0	-2.0	-1.4	-0.1	17.5	26.2	31.5	38.4	37.2	32.1	25.7	17.4	8.1	-2.4	-2.8	-2.5	-2.5	-2.4	-2.2	-1.9	-1.9
SIGMA	1.9	1.8	1.8	1.8	1.8	1.6	0.4	11.8	16.3	19.8	20.5	17.4	17.2	13.1	11.2	5.7	2.0	2.2	2.1	2.0	2.0	1.9	1.8	1.9

TABLE 5.2-10D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK						
A	10				1	1	1		1			1	2			2	1							
A-B	51	1	2	11	7	3	2			1	1	1	2	6	7	3	5							
B	72	2	6	12	3	6	5	2	1	4	2	1	3	3	8	4	10							
B-C	16	3	4	3	1						1	4												
C	21	4	9	1			1										1							
C-D	5	2	3								3	1												
D1	90	17	20	4	6	1	1	3	3	1	2	2	4	3	8	6	9							
D2	252	44	36	3	2	2	11	3	9	13	32	46	18	31										
E	6	3	3																					
F	11	4	1																					
G	179	8	2	3	8	2	2	1	6	10	7	9	26	62	18	16								
LACK	31																							31

TOKAI-40 10 / 1980

TABLE 5.2-10E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	4	2	3	3	3	3	4	4	1	3	2	3	8	22	53	23	27	0	104	
1.0-1.9	15	4	14	15	8	5	5	2	1	12	12	7	16	31	40	16	23		160	
2.0-2.9	21	20	13	5	2	4	2	1	1	5	7	4	1	3	6	4	6		104	
3.0-3.9	25	23	5	1					2	2	2	4			2				66	
4.0-4.9	10	17	2						2	1									33	
5.0-5.9	5	12																	17	
6.0-6.9	4	2																	6	
7.0-7.9		2																	2	
8.0-8.9		1																	1	
9.0-9.9		1																	1	
10.0-																			0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
TOTL	104	84	37	24	11	12	6	6	6	22	24	18	25	56	101	43	56	31	744	
20M																				
-0.4																				
0.5-0.9	4	1	1	12	9	2	2	2	1	1	1	2	3	6	37	17	9	0	57	
1.0-1.9	9	4	8	19	11	4	4	4	3	2	5	4	4	29	61	23	16		87	
2.0-2.9	14	10	19	11	1	6	1	2	2	11	5	8	13	23	18	9	8		197	
3.0-3.9	18	22	11	6	1	1	2	2	2	6	4	8	4	5	3	2	1		156	
4.0-4.9	17	19	3	1					1	2	3	3	2		2				96	
5.0-5.9	5	19	4						2	2	3	3	1		2				52	
6.0-6.9	7	10							2	1	1	3							36	
7.0-7.9	3	5																	17	
8.0-8.9	2	1																	8	
9.0-9.9		2																	3	
10.0-																			2	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
TOTL	57	79	95	46	30	12	13	8	9	22	19	28	25	63	121	52	34	31	744	
40M																				
-0.4																				
0.5-0.9	1	3	2	3	3	3	6	2	1	1	1	1	2	4	3	2	4	0	13	
1.0-1.9	7	6	12	9	6	4	4	4	1	3	1	3	4	5	17	14	9		21	
2.0-2.9	10	19	11	12	2	5	3	3	1	4	6	4	9	16	37	13	8		80	
3.0-3.9	19	11	10	3	1	2	2	2	5	5	4	4	8	18	37	23	16		141	
4.0-4.9	19	11	10	3	1	2	2	2	4	9	4	4	4	8	23	17	5		171	
5.0-5.9	20	17	4	3				1	1	9	4	4	2	9	23	3			123	
6.0-6.9	6	18	1	1				1	1	3	3	3	2	1	9	1			76	
7.0-7.9	5	6	2	2					1	2	1	2	1	2	2	1			37	
8.0-8.9	6	9	1							2	1	2		1	1	2			16	
9.0-9.9	3	3								1		2							21	
10.0-	2	5																	7	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
TOTL	13	88	46	31	13	15	13	8	8	25	20	25	29	52	129	75	42	31	744	

TOKAI-40 11 / 1980

TABLE 5.2-11A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	9.2	62.6	0.0	321.0	-66.6	1.2	1.8	3.7
2	8.4	75.8	0.0	222.6	-53.4	1.5	2.0	3.6
3	8.3	59.3	0.0	326.4	-57.6	1.8	2.4	4.8
4	6.8	72.9	0.0	266.1	-44.4	1.0	1.8	2.9
5	11.4	77.8	0.0	283.8	-40.8	1.2	2.0	3.1
6	12.9	73.4	0.0	285.0	-51.6	1.0	1.7	2.8
7	13.8	84.9	0.0	144.6	-24.6	1.3	2.2	2.2
8	10.6	62.3	0.0	245.4	-46.8	1.6	2.4	4.5
9	6.4	67.0	0.0	180.0	-52.2	0.8	1.4	2.9
10	8.9	77.8	0.0	217.2	-46.2	0.9	1.4	2.9
11	11.3	83.3	0.0	287.4	-25.8	0.9	1.4	2.4
12	12.7	89.0	0.0	154.8	-15.0	0.7	1.1	2.3
13	13.6	77.6	16.0	80.4	-49.8	1.8	2.7	5.1
14	7.5	74.8	0.0	147.0	-48.6	0.8	1.4	2.4
15	8.3	71.2	0.0	279.0	-57.0	1.2	1.9	3.4
16	9.3	78.7	0.5	51.6	-7.2	1.9	2.6	4.0
17	10.3	74.3	0.5	126.0	-39.6	1.7	2.4	3.9
18	9.6	74.2	0.0	271.2	-55.2	1.2	1.8	3.3
19	10.0	80.8	0.0	247.8	-40.2	1.0	1.5	2.8
20	11.9	88.6	0.0	240.6	-23.4	1.1	1.5	2.8
21	14.6	83.9	1.0	188.4	-5.4	1.2	1.9	2.9
22	12.4	92.4	29.5	60.0	-8.4	3.4	4.6	6.1
23	13.7	79.0	0.5	175.2	-11.4	3.1	4.1	5.4
24	12.4	81.4	2.5	107.4	-6.0	3.8	4.9	6.4
25	12.4	93.5	8.0	67.2	-8.4	1.0	1.6	2.7
26	12.2	63.1	0.0	261.6	-55.2	1.8	2.6	4.5
27	9.8	65.8	0.0	252.0	-46.8	1.0	1.6	2.9
28	12.5	77.2	0.5	76.8	-8.4	1.9	2.6	3.6
29	10.3	76.7	16.5	109.2	-45.0	2.1	3.1	5.4
30	10.1	73.3	0.0	186.6	-47.4	1.0	1.5	2.5
MONTH	10.7	76.4	75.5	194.9	-36.3	1.5	2.2	3.6
LACK	2	3	1	2	0	2	2	2

TABLE 5.2-11B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N
10M	12.1	13.8	5.3	1.7	2.4	1.3	1.3	1.4	1.8	1.0	2.6	2.9	5.3	13.8	22.3	6.4	4.7
20M	5.6	13.4	7.0	2.1	2.2	1.3	1.0	1.5	2.6	1.0	2.2	2.6	5.8	14.2	24.7	8.6	4.2
40M	1.3	13.5	7.2	2.5	1.9	1.0	1.3	3.3	1.8	1.4	2.4	2.4	5.7	11.6	27.2	9.9	5.7

TOKAI-40 11 / 1980

TABLE 5.2-11C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.1	1.2	1.3	1.4	1.4	1.2	1.1	1.4	1.5	1.7	1.9	2.0	2.3	2.2	2.2	1.8	1.2	1.1	1.1	1.3	1.3	1.3	1.1	1.1	
SIGMA	0.8	0.9	1.0	1.3	1.3	1.0	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.5	1.1	1.1	1.0	0.9	1.1	1.0	0.9	0.8	0.8	
20M																									
MEAN	2.0	1.9	2.2	2.4	2.1	2.0	2.0	2.0	2.0	2.3	2.4	2.6	2.8	2.8	2.8	2.5	2.0	1.7	1.8	1.9	1.9	2.0	1.9	2.0	
SIGMA	0.9	1.2	1.3	1.5	1.7	1.2	1.1	1.3	1.3	1.7	1.7	1.6	1.7	1.5	1.8	1.4	1.3	1.2	1.1	1.4	1.2	1.1	1.0	1.0	
40M																									
MEAN	3.7	3.8	3.7	4.2	4.0	3.6	3.4	3.4	3.0	3.2	3.5	3.5	4.0	4.0	4.1	3.9	3.4	3.0	3.1	3.6	3.8	3.7	3.6	3.5	
SIGMA	1.2	1.2	1.7	1.7	1.7	1.4	1.3	1.4	1.7	2.4	2.4	2.2	2.5	2.4	2.7	2.0	1.7	1.5	1.6	1.6	1.3	1.2	1.2	1.2	
TEMPERATURE																									
MEAN	8.0	7.7	7.4	7.4	7.2	7.0	7.4	9.3	11.8	13.7	14.7	15.2	15.4	15.3	14.7	13.9	12.5	11.6	10.9	10.3	9.8	9.3	8.7	8.4	
SIGMA	3.4	3.6	3.6	3.5	3.7	3.8	3.6	2.9	2.4	2.4	2.6	2.6	2.5	2.4	2.0	1.9	2.2	2.3	2.6	2.6	2.8	2.9	3.2	3.1	
HUMIDITY																									
MEAN	86.2	86.6	87.3	86.0	86.3	87.3	86.5	81.0	73.0	63.7	59.8	60.2	59.1	58.8	62.4	65.8	72.5	76.2	78.9	80.0	81.7	82.8	85.0	85.6	
SIGMA	8.5	7.3	6.9	9.3	9.5	9.3	8.5	10.4	13.7	17.4	17.2	16.3	16.8	15.7	16.7	15.9	15.4	16.1	15.2	14.1	11.8	10.5	8.7	8.4	
LAPSE RATE																									
MEAN	3.2	3.1	3.1	3.0	3.3	3.4	3.0	-0.6	-2.0	-2.2	-2.3	-2.3	-2.2	-1.8	-1.3	-0.3	1.8	3.1	3.4	2.6	2.5	3.1	3.0	2.9	
SIGMA	3.7	3.1	3.4	3.5	3.7	3.4	4.0	1.7	0.9	0.9	0.7	0.6	0.5	0.6	0.6	0.9	3.0	4.2	4.0	3.2	2.7	3.5	3.4	3.2	
STABIL. RATIO																									
MEAN	1.0	0.8	1.5	1.0	1.4	1.1	1.5	-0.3	-0.9	-0.8	-0.8	-0.7	-0.6	-0.5	-0.5	-0.0	0.2	1.2	1.3	1.0	1.2	1.0	0.8	1.4	
SIGMA	1.8	1.3	1.8	1.1	2.2	2.1	2.6	0.8	0.7	0.7	0.8	0.6	0.6	0.6	0.5	0.5	1.1	2.8	2.8	1.9	2.0	1.5	1.7	1.9	
RADIATION																									
MEAN	-2.5	-2.4	-2.1	-2.2	-2.1	-2.3	-0.7	12.5	22.2	30.2	32.4	30.9	29.5	22.1	12.5	3.1	-3.2	-3.0	-2.7	-2.6	-2.7	-2.6	-2.6	-2.5	
SIGMA	1.9	1.9	1.9	1.8	1.7	1.6	1.1	7.0	11.5	14.7	15.7	14.5	13.1	10.4	6.3	1.6	1.9	2.1	2.2	2.1	2.1	2.1	2.0	2.0	

TABLE 5.2-11D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	3																		
A-B	66	1	1	1	9	4	3	4	3	1	9	2	4	8	12	4			
B	68	2	5	5	4	4	4	4	3	1	2	2	4	6	14	11	1		
B-C	13	1	4					1	1						3	3	1		
C	17	5	3										1		3	2	2		
C-D	5	2	1												2				
D1	96	25	12	4	3	3	3	5	2	2	4	4	4	6	13	5	5		
D2	203	61	12	1	1				3	2	2	9	15	40	37	10	13		
E	2														1		1		
F	5														3	1			
G	240	9	6	3	3	1	4	3	3	3	8	9	16	46	98	16	15		
LACK	2																		

TOKAI-40 11 / 1980

TABLE 5.2-11E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
																				87
-0.4																				
0.5-0.9	18	4	5	6	2	3	2	2	2	3	10	12	18	49	71	11	7	0	87	
1.0-1.9	25	4	6	8	7	6	7	7	7	2	8	8	15	49	71	20	19	0	206	
2.0-2.9	34	11	1	3		1	1	2	2	1	1	1	5	1	8	10	3	0	255	
3.0-3.9	13	13													6	5	5	0	73	
4.0-4.9	8	1													3			0	66	
5.0-5.9															1			0	21	
6.0-6.9																		0	10	
7.0-7.9																		0	0	
8.0-8.9																		0	0	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	87	99	38	12	17	9	9	10	13	7	19	21	38	99	160	46	34	2	720	
TOTL	40	2	6	10	8	4	5	7	8	3	6	9	17	48	97	29	11	0	40	
-0.4																				
0.5-0.9	18	2	6	8	4	5	4	4	2	1	4	2	1	7	37	11	2	0	77	
1.0-1.9	27	7	4	5	2	1	6	7	7	2	4	6	16	40	28	11	8	0	270	
2.0-2.9	22	11	1	1		1	1	2	2	1	2	1	6	7	9	9	3	0	165	
3.0-3.9	12	14											1	6	4	2	6	0	80	
4.0-4.9	9	4											1	1	1	2	6	0	51	
5.0-5.9	1														1			0	19	
6.0-6.9																		0	13	
7.0-7.9															1			0	3	
8.0-8.9																		0	0	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	40	96	50	15	16	9	7	11	19	7	16	19	42	102	177	62	30	2	720	
TOTL	9	2	7	5	9	3	4	9	2	2	6	7	6	12	14	2	2	0	9	
-0.4																				
0.5-0.9	8	5	5	3	4	5	5	5	5	2	3	3	10	34	34	14	15	0	18	
1.0-1.9	12	9	2	2	1	2	2	2	6	2	6	2	12	31	39	25	11	0	159	
2.0-2.9	25	7	2										6	5	6	25	11	0	193	
3.0-3.9	17	9											4	3	47	12	6	0	113	
4.0-4.9	18	10											4	11	11	9	3	0	57	
5.0-5.9	10	2											1	5	5	2	3	0	40	
6.0-6.9	6	2											1	6	6	5	1	0	25	
7.0-7.9	1													3	3	1		0	13	
8.0-8.9															2			0	3	
9.0-9.9																		0	1	
10.0-																		0	2	
LACK	9	97	52	18	14	7	9	24	13	10	17	17	41	83	195	71	41	2	720	
TOTL																				

10KAI-40 12 / 1980

TABLE 5.2-12A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. RAD. CAL/SQCM/DAY	WIND SPD(10)		WIND SPD(20)		WIND SPD(40)	
						M/S	M/S	M/S	M/S	M/S	M/S
1	**	**	1.5	**	**	**	**	**	**	**	**
2	10.0	80.8	14.5	153.0	-27.6	1.8	2.3	3.7	3.0	3.0	3.7
3	14.1	89.8	6.0	145.2	-27.0	1.3	1.9	3.0	3.0	3.0	3.0
4	10.9	58.9	0.0	170.4	-86.4	0.9	3.1	5.0	5.0	5.0	5.0
5	5.0	66.8	0.0	234.0	-72.6	0.9	1.5	2.8	2.8	2.8	2.8
6	5.5	75.0	0.0	226.2	-63.0	0.9	1.4	3.1	3.1	3.1	3.1
7	7.3	71.4	0.0	216.0	-58.2	1.7	2.5	3.9	3.9	3.9	3.9
8	6.9	71.4	0.0	223.8	-61.8	2.6	3.4	5.1	5.1	5.1	5.1
9	6.6	73.7	0.0	179.4	-34.2	2.3	3.0	4.2	4.2	4.2	4.2
10	5.3	69.0	0.0	238.8	-42.6	1.0	1.8	3.4	3.4	3.4	3.4
11	5.2	79.3	0.0	124.8	-40.2	0.8	1.4	2.6	2.6	2.6	2.6
12	6.8	92.0	2.0	57.6	-15.0	0.9	1.7	3.0	3.0	3.0	3.0
13	5.1	46.8	0.0	244.8	-75.6	2.1	4.2	6.5	6.5	6.5	6.5
14	**	**	**	**	**	**	**	**	**	**	**
15	3.6	54.9	0.0	225.4	-70.9	1.4	2.4	3.6	3.6	3.6	3.6
16	3.0	63.5	0.0	151.2	-67.8	0.9	1.5	3.0	3.0	3.0	3.0
17	4.3	61.3	0.0	225.0	-65.4	0.8	1.5	2.9	2.9	2.9	2.9
18	3.6	76.3	0.0	108.0	-43.2	0.9	1.4	3.1	3.1	3.1	3.1
19	3.8	53.8	0.0	203.4	-52.8	1.3	1.9	4.5	4.5	4.5	4.5
20	**	**	**	**	**	**	**	**	**	**	**
21	**	**	**	**	**	**	**	**	**	**	**
22	3.0	60.2	0.0	212.8	-64.1	0.5	1.0	1.9	1.9	1.9	1.9
23	3.7	74.9	3.0	81.0	-18.6	2.8	3.8	5.8	5.8	5.8	5.8
24	4.7	83.2	22.5	50.4	-30.6	4.5	6.3	10.0	10.0	10.0	10.0
25	6.9	54.3	0.0	235.2	-62.4	2.7	3.6	7.2	7.2	7.2	7.2
26	4.3	75.6	0.0	162.0	-37.2	0.8	1.6	2.7	2.7	2.7	2.7
27	2.4	61.0	0.0	245.4	-49.8	1.3	2.7	4.5	4.5	4.5	4.5
28	3.1	54.8	0.0	248.4	-82.8	1.3	3.1	4.7	4.7	4.7	4.7
29	2.8	41.8	0.0	182.4	-76.2	2.0	4.2	6.6	6.6	6.6	6.6
30	3.8	52.5	0.0	210.6	-45.6	0.9	1.5	2.8	2.8	2.8	2.8
31	2.7	55.5	0.0	221.4	-70.8	0.8	1.7	3.1	3.1	3.1	3.1
MONTH	5.4	67.0	49.5	184.2	-52.8	1.5	2.5	4.2	4.2	4.2	4.2
LACK	97	97	93	33	64	97	97	97	97	97	97

TABLE 5.2-12B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	15.9	6.6	4.5	2.8	1.5	0.9	1.1	0.9	0.9	0.0	1.9	6.0	10.4	14.4	24.9	5.1	2.2
20M	5.4	6.5	5.1	2.9	1.4	1.1	0.9	1.4	0.6	0.8	1.4	6.2	11.6	15.0	29.1	7.3	3.4
40M	1.7	7.9	4.5	3.2	1.7	0.9	1.2	1.2	0.9	0.3	2.2	7.9	8.8	17.8	27.2	8.8	3.7

TOKAI-40 12 / 1980

TABLE 5.2-12C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.2	1.2	1.4	1.3	1.2	1.2	1.3	1.3	1.3	1.7	2.1	2.1	2.0	2.2	2.1	1.7	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.4
SIGMA	1.6	1.4	1.7	1.3	1.4	1.0	0.8	1.2	1.1	1.2	1.2	1.4	1.3	1.0	1.0	1.5	1.6	1.5	1.6	1.5	1.6	1.3	1.6	1.7
20M																								
MEAN	2.0	2.2	2.5	2.4	2.3	2.2	2.5	2.1	2.0	2.4	2.9	3.0	2.8	3.0	3.0	2.6	2.6	2.3	2.3	2.4	2.3	2.6	2.6	2.4
SIGMA	1.9	1.7	2.1	1.8	1.9	1.2	1.2	1.6	1.7	1.7	1.9	2.3	1.9	1.7	1.7	2.3	2.2	1.8	2.0	1.8	1.9	1.5	1.8	1.9
40M																								
MEAN	4.0	4.2	4.5	4.4	4.4	4.3	4.5	3.9	3.3	3.5	4.1	4.3	4.0	4.4	4.4	4.1	4.2	4.4	4.3	4.3	4.2	4.7	4.6	4.3
SIGMA	2.3	2.2	2.7	2.3	2.3	1.8	1.7	2.3	2.5	2.7	2.8	3.2	2.8	2.5	2.5	3.1	2.8	2.7	2.7	2.6	2.5	2.0	2.3	2.6
TEMPERATURE																								
MEAN	3.1	2.5	2.3	2.4	2.2	2.2	2.2	2.2	3.5	5.7	7.9	9.3	9.8	10.2	9.7	8.7	7.1	6.3	5.5	4.7	3.9	3.6	3.2	2.5
SIGMA	4.5	4.0	4.2	4.3	4.3	4.3	4.1	3.8	3.4	3.3	3.1	2.6	2.8	2.4	2.5	2.4	2.8	3.0	3.3	3.5	3.7	3.8	3.9	3.9
HUMIDITY																								
MEAN	77.6	79.0	79.4	79.5	79.8	78.8	78.0	74.0	67.1	57.2	52.3	48.6	47.6	48.0	50.5	55.7	61.6	64.0	67.4	70.5	72.1	72.5	72.9	75.8
SIGMA	11.6	11.2	12.9	13.8	13.8	13.4	13.8	13.9	13.9	18.0	18.4	18.8	19.7	21.6	21.9	20.7	20.3	18.2	17.5	16.9	15.6	14.8	13.5	12.4
LAPSE RATE																								
MEAN	3.7	4.2	3.7	4.1	4.1	3.6	3.4	0.8	-1.5	-2.1	-2.2	-2.3	-2.1	-1.7	-0.8	0.7	2.6	3.2	2.5	3.2	4.0	3.1	3.3	3.9
SIGMA	3.7	3.2	3.2	3.7	3.3	3.4	3.3	2.3	1.4	0.9	1.2	0.8	0.8	0.7	0.8	1.6	3.3	4.2	3.6	3.7	3.8	3.1	3.3	3.4
STABIL. RATIO																								
MEAN	**	2.8	**	0.9	**	1.5	1.2	0.1	-1.0	-0.7	-0.6	-0.9	-0.6	-0.6	-0.2	-0.1	0.4	0.3	0.2	0.9	0.9	0.8	0.7	1.7
SIGMA	**	3.5	**	1.7	**	3.0	1.7	1.1	0.9	0.7	0.7	0.9	0.5	0.5	0.3	0.3	1.0	0.9	0.7	1.7	1.9	1.1	0.9	2.7
RADIATION																								
MEAN	-3.2	-3.3	-3.2	-3.0	-2.9	-2.9	-2.5	9.1	18.9	26.6	30.5	32.8	29.4	21.8	11.9	2.7	-3.8	-3.7	-4.1	-4.1	-4.2	-4.1	-3.9	-3.7
SIGMA	1.8	1.7	1.8	1.8	1.9	1.9	1.7	4.9	7.6	10.6	12.8	11.5	11.1	8.8	4.8	0.9	1.8	1.9	1.8	1.7	1.6	1.8	1.7	1.7

TABLE 5.2-12D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A																			
A-B	50	1		1	5	3	2	2	1	1		3	6	8	12	3		2	
B	72	3	5	1	1	2	1	3	1	1	1	5	13	10	20	5		2	
B-C	10		1									3	1	2	3				
C	22	1	6	3		1		4		1	1	3	2	1	4				
C-D	8	1										1	4	1	2				
D1	84	3	9	7			3	1	4		4	9	15	18	7		4		
D2	102	28	6	4			1			6	3	9	15	19	6		5		
E	16	2	1	1						2	2	2	4	2					
F	14	2	1	1						3	3	3	1	1					
G	269	6	1	2	6			5	2	9	18	29	57	107	23		4		
LACK	97																		

TOKAI-40 12 / 1980

TABLE 5.2-12E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	2	4	2	2	2	3	3	1	2	5	5	10	29	39	75	17	4	0	103	
1.0-1.9	6	1	6	8	8	4	4	4	3	1	1	12	16	37	50	7	8	0	195	
2.0-2.9	9	16	8	2	2	2	2	1	1	1	1	9	12	7	17	5	1	0	167	
3.0-3.9	6	6	2									2	7	6	12	2		0	89	
4.0-4.9	6	1										3	1	4	5	2		0	49	
5.0-5.9	5	1										2	2	2	2		1	0	23	
6.0-6.9	5											1						0	12	
7.0-7.9	3																	0	6	
8.0-8.9																		0	3	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	103	43	29	18	10	6	7	6	6	0	12	39	67	93	161	33	14	97	744	
20M																				
-0.4																				
0.5-0.9	4	2	3	3	4	1	1	4	1	1	1	3	2	6	33	16	4	0	35	
1.0-1.9	2	3	5	6	2	2	5	4	2	4	3	9	15	34	86	19	12	0	74	
2.0-2.9	6	5	6	6	2	2	4	4	1	3	3	8	26	30	38	5	4	0	207	
3.0-3.9	8	15	6	2	2	1	2	1	1	1	1	5	8	15	17	3	1	0	140	
4.0-4.9	5	3	3	2	1							6	5	7	7	1		0	81	
5.0-5.9	2	3	2									1	6	8	4	3		0	41	
6.0-6.9	5	2										2	2	2	2		1	0	26	
7.0-7.9	3											1	4	4	1			0	22	
8.0-8.9	4												1	1				0	10	
9.0-9.9	3												1	2				0	6	
10.0-																		0	5	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	35	42	33	19	9	7	6	9	4	5	9	40	75	97	188	47	22	97	744	
40M																				
-0.4																				
0.5-0.9	2	1	5	3	3	2	1	2	2	1	1	4	2	2	2	3	5	0	11	
1.0-1.9	3	2	1	3	1	4	4	5	4	1	3	5	5	13	8	7	7	0	13	
2.0-2.9	6	1	3	2	2	3	3	3	2	2	1	5	5	34	29	11	10	0	66	
3.0-3.9	9	9	8	9	2	2	3	1	1	1	1	5	13	35	58	17	10	0	120	
4.0-4.9	8	8	6	6	1	1	1	1	1	1	1	5	15	15	45	6		0	164	
5.0-5.9	6	3	2	3	3							7	4	6	12	6	1	0	105	
6.0-6.9	3	2	4	1	1							7	4	5	3	1		0	51	
7.0-7.9	4	1	1	1	1							2	2	1	5	1		0	31	
8.0-8.9	4	1	1	1	2							8	2	3	6	1		0	17	
9.0-9.9	3	1	1	1	2							2	2	3	1			0	27	
10.0-	7	3	1	1	2							6	5	1	7	4	1	0	12	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	11	51	29	21	11	6	8	8	6	2	14	51	57	115	176	57	24	97	744	

6. 統計結果 (1981年)

6.1 年間統計結果

- (a) 風 向 例年同様冬期は北西風，夏期は北東風が卓越して吹いている。
- (b) 風 速 年平均風速は10m高が 1.6 m/s，20 m高が 2.3 m/s，40 m高が 3.6 m/s であった。
- (c) 気 温 年平均気温は 12.2 度で，5月，6月の月平均気温は例年より 2～3 度低めであった。
- (d) 降水量 年降水量は 1062 mm と多少少めであった。1月，2月，7月，12月は少雨であったが，10月は台風による大雨で 300 mm 近い雨量を記録した。
- (e) その他 真 冬 日： 0 日
冬 日： 60 日
真 夏 日： 20 日
夏 日： 46 日
降雨日数： 105 日
日降水量 50 mm 以上の日数： 1 日
日降水量 100 mm 以上の日数： 1 日

Table 6.1-1 月別欠測回数

1981年

月 測高(m)	欠測回数												年間(%)			
	1	2	3	4	5	6	7	8	9	10	11	12				
要素																
風向	10	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
	20	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
	40	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
風速	10	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
	20	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
	40	3	9	4	29	7	13	3	10	5	0	2	24	109 (1.2)		
日射	2	7	1	17	5	11	91	8	3	0	2	9	156 (1.8)			
放射収支	1.5	1	2	12	2	2	104	2	2	0	0	15	145 (1.7)			
気温	1.5	3	9	4	29	7	13	3	10	5	0	7	26	116 (1.3)		
降水量	—	1	5	2	23	4	4	192	6	1	0	1	21	260 (3.0)		
湿度	1.5	4	10	10	39	26	13	195	10	5	0	7	26	345 (3.9)		

Table 6.1-2 年間風向頻度 (%)

風向 測高(m)	Calm	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	N	
10	16.8	70	14.1	7.4	3.4	2.5	2.3	3.0	3.5	1.6	3.0	2.3	4.7	9.1	12.9	4.1	2.2
20	8.6	64	15.2	7.7	3.3	2.7	2.3	3.6	3.2	1.7	3.3	2.8	5.2	9.7	15.5	5.8	3.1
40	2.8	66	15.9	7.7	3.1	2.8	3.1	4.6	2.4	2.2	3.5	2.9	4.5	9.9	16.7	7.6	3.8

Table 6.1-3 月間平均および総量

1981年

要素	測高(m)	月												年平均
		1	2	3	4	5	6	7	8	9	10	11	12	
静穏	10	28.7	19.2	19.2	16.5	9.8	13.2	18.1	19.9	13.3	15.5	16.2	12.4	16.8
	20	6.9	5.3	7.6	8.2	5.6	10.9	15.1	14.6	10.2	7.1	5.8	5.6	8.6
	40	2.2	1.7	2.3	1.9	2.2	3.7	5.9	5.7	3.2	2.0	1.7	1.1	2.8
風速	10	1.0	1.5	1.8	1.8	2.2	1.7	1.6	1.9	1.7	1.5	1.3	1.4	1.6
	20	1.9	2.4	2.5	2.6	3.0	2.3	2.1	2.5	2.3	2.2	1.9	2.0	2.3
	40	3.4	3.8	3.8	3.9	4.2	3.2	3.1	3.6	3.4	3.6	3.4	3.6	3.6
日射	—	234	233	282	332	334	263	407	358	285	265	187	200	282
放射収支	1.5	64	48	38	37	26	10	16	25	27	25	40	55	34
気温	1.5	1.2	3.1	5.9	10.5	13.8	16.0	22.9	23.8	19.8	15.9	8.4	5.1	12.2
降水量	—	2.5	20.5	(72.5)	126.0	142.0	83.0	26.0	111.5	129.0	289.0	52.5	7.5	1062.0
湿度	1.5	54.3	63.2	68.7	71.4	63.6	84.9	85.5	79.8	77.8	70.9	66.8	61.2	70.7

注) 3月の降水量は若干の欠測がある。

Table 6.1-4 大気安定度年間出現頻度 (%)

安定度	A	A-B	B	B-C	C	C-D	D ₁	D ₂	E	F	G
頻度(%)	1.5	9.8	11.1	2.1	4.0	1.2	13.6	24.4	2.0	2.2	28.3

Table 6.1-5 極 値

1981年

要素	測高 (m)	月		1981年											
		項目	1	2	3	4	5	6	7	8	9	10	11	12	年間
風速 (m/s)	10	瞬間最大	9.5	11.3	11.0	11.2	16.7	9.6	9.5	15.0	12.6	13.0	10.2	11.2	16.7
		出現日時	3 14:40	4 14:40	6 16:05	20 7:35	18 0:25	18 20:40	10 16:50	23 4:45	4 10:50	23 4:00	22 14:15	30 17:50	5月18日 0:25
風速 (m/s)	20	瞬間最大	12.9	15.2	14.2	15.3	20.2	11.9	12.8	19.2	14.9	17.7	13.5	12.0	20.2
		出現日時	3 23:50	4 12:25	6 16:20	20 7:35	18 0:25	17:20	10 16:50	23 4:45	4 10:50	23 4:00	2 17:00	30 18:10	5月18日 0:25
風速 (m/s)	40	瞬間最大	15.0	17.0	16.1	17.9	22.0	13.1	13.3	22.0	17.9	20.0	15.7	13.5	22.0
		出現日時	3 15:10	4 12:25	23 12:20	25 9:10	18 0:15	17:10	10 16:50	23 4:45	4 12:00	23 4:05	2 18:30	30 17:40	5月18日0:25 8月23日4:45
風速 (m/s)	40	瞬間最高	10.5	14.4	17.7	25.5	30.7	26.8	34.2	34.3	31.4	27.6	21.3	16.2	34.3
		出現日時	19 13:15	16 13:30	19 13:50	27 13:30	23 14:20	9 14:30	11 13:30	30 13:50	4 12:10	2 13:20	1 11:40	27 13:10	8月30日 13:50
氣温 (°C)	1.5	瞬間最低	-7.1	-7.2	-3.2	-1.0	7.7	10.1	15.3	15.8	10.9	5.1	-3.0	-4.2	-7.2
		出現日時	28 6:45	28 5:40	3 6:10	1 5:15	21 4:50	3 5:00	1 4:20	6 4:00	29 6:00	25 6:15	29 6:15	16 4:50	2月28日 5:40
氣温 (°C)	1.5	日平均最高	5.9	9.4	10.3	16.1	20.5	20.3	28.0	27.9	26.2	19.6	15.1	10.7	28.0
		出現日	2	16	20	24	23	9	10	10	26	4	2	1	29
氣温 (°C)	1.5	日平均最低	-1.1	-1.5	2.3	4.4	10.1	11.5	16.0	21.3	15.2	12.4	3.1	1.2	-1.5
		出現日	13	26	11	1	4	2	3	6	29	28	29	15	2月26日
降水量 (mm)	-	時總量最大	1.0	2.5		5.0	13.5	4.5	5.0	14.5	27.0	41.5	4.5	1.5	41.5
		出現日時	2 9	17 4		10 12	18 3	27 9	22 18	28 8	4 22	22 24	2 18	1 8	10月22日 24時
降水量 (mm)	-	日總量最大	1.0	11.5		28.5	55.0	19.0	10.0	44.0	29.0	164.5	14.5	4.5	164.5
		出現日	2	17		2	7	12	22	23	4	22	6	1	10月22日
降水量 (mm)		月總量最大	289.0 mm 10月												

1981年

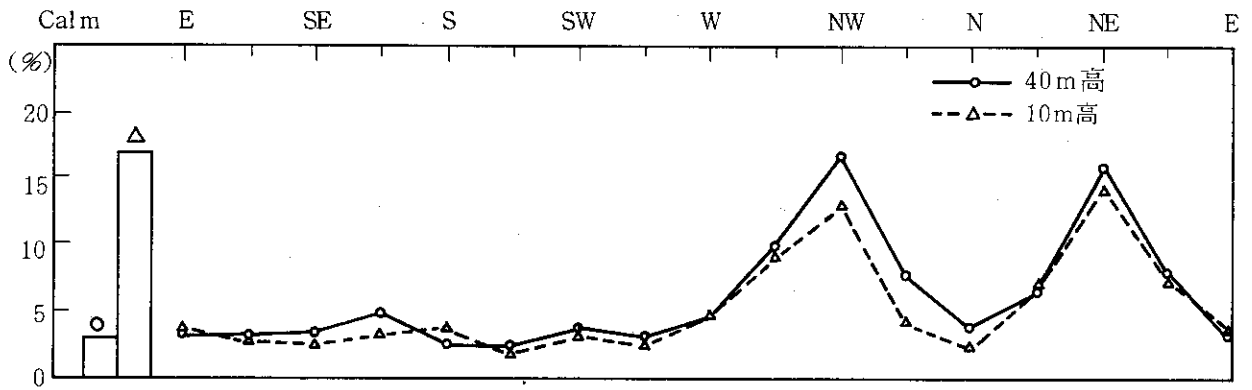


Fig. 6.1-1 年間風向頻度

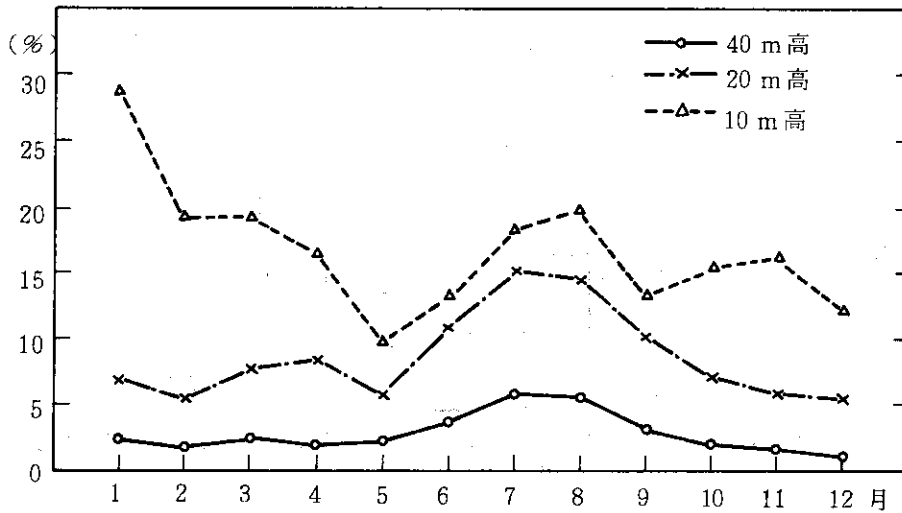


Fig. 6.1-2 月別静穩出現頻度

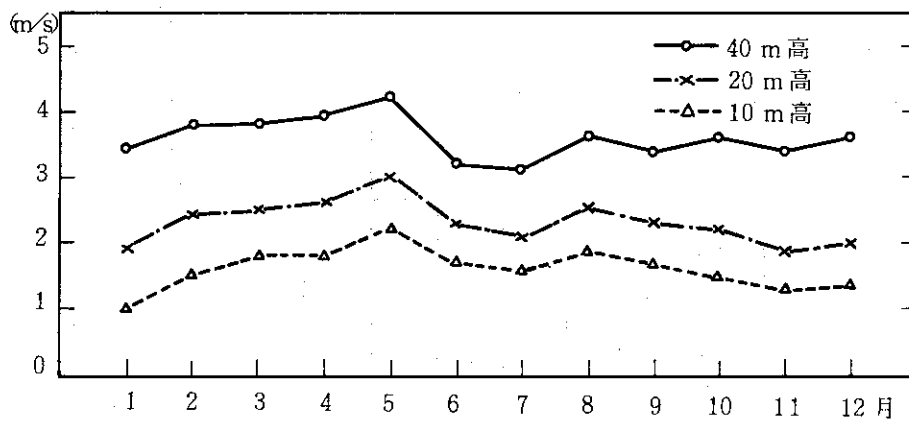


Fig. 6.1-3 月平均風速

1981年

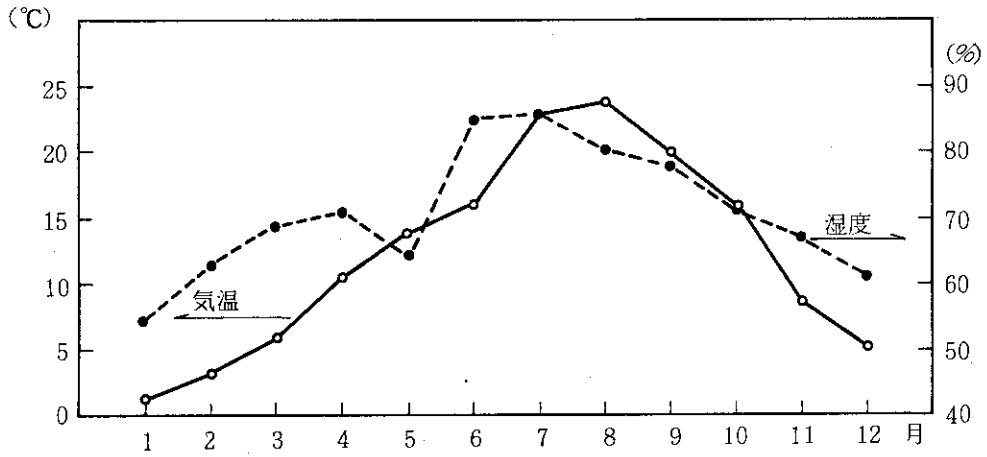


Fig. 6.1-4 月平均気温・湿度

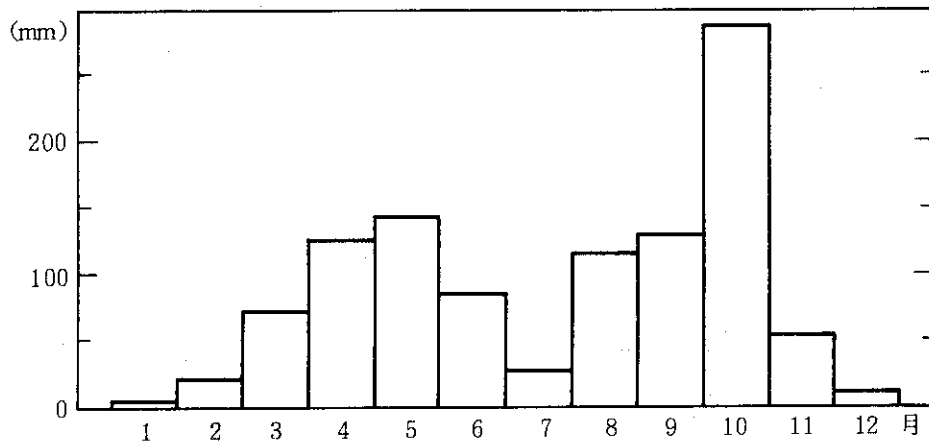


Fig. 6.1-5 月間降水量

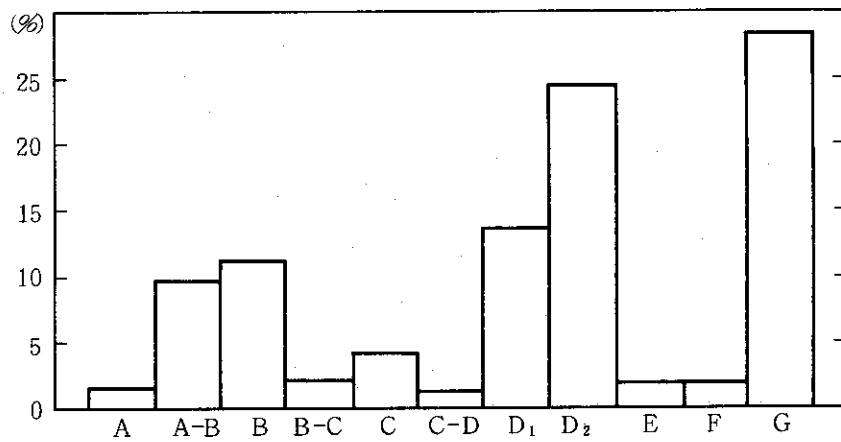


Fig. 6.1-6 大気安定度年間出現頻度

TOKAI-40 1 / 1981

6.2 月間統計結果

TABLE 6.2-1A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SGCM/DAY	NET RAD. CAL/SGCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	2.6	59.8	0.0	238.8	-58.2	0.7	1.2	2.6
2	5.9	78.9	1.0	76.8	-29.4	1.1	2.0	3.3
3	4.2	36.9	0.0	238.8	-91.8	2.3	4.5	6.8
4	3.1	52.0	0.0	246.6	-84.6	2.8	4.5	6.5
5	0.7	61.2	0.0	235.2	-76.2	0.7	1.5	3.0
6	0.6	53.1	0.0	226.8	-79.8	1.2	2.3	3.8
7	-0.4	56.0	0.0	195.6	-81.0	0.8	1.8	3.1
8	0.4	50.8	1.0	234.6	-74.4	0.9	1.9	2.9
9	1.5	63.6	0.0	235.2	-63.0	0.8	1.4	2.5
10	2.4	73.0	0.5	205.2	-49.2	1.0	1.6	3.1
11	0.0	57.2	0.0	249.0	-72.0	0.9	1.5	3.0
12	-0.6	56.5	0.0	244.8	-72.0	0.9	1.8	3.3
13	-1.1	52.7	0.0	247.2	-79.2	0.8	1.7	3.2
14	-0.4	54.1	0.0	264.0	-75.0	1.0	1.9	3.5
15	1.4	49.4	0.0	246.0	-55.8	1.0	2.1	3.7
16	1.4	70.1	0.0	147.6	-30.0	0.8	1.3	2.4
17	0.1	55.3	0.0	262.2	-75.6	0.8	1.6	3.2
18	0.2	66.8	0.0	152.4	-55.2	0.7	1.2	2.7
19	1.7	62.1	0.0	238.8	-67.2	1.1	1.8	3.6
20	0.4	53.2	0.0	195.9	-60.0	0.8	1.5	3.1
21	0.4	47.7	0.0	266.4	-60.4	1.1	1.8	3.8
22	-0.1	42.5	0.0	273.6	-77.4	0.9	1.5	2.7
23	0.2	55.3	0.0	268.8	-64.2	0.8	1.4	2.7
24	3.2	56.1	0.0	124.2	-10.8	0.6	1.1	2.2
25	4.4	43.4	0.0	276.0	-42.0	1.3	1.8	4.1
26	2.3	38.0	0.0	211.8	-55.8	1.1	1.7	3.2
27	-0.7	45.3	0.0	262.2	-78.0	0.9	1.6	2.8
28	-0.4	47.5	0.0	292.8	-72.0	0.8	1.5	3.3
29	2.1	46.3	0.0	287.4	-59.4	1.2	2.2	3.6
30	1.6	45.2	0.0	298.8	-71.4	1.0	1.8	3.8
31	1.1	52.0	0.0	297.0	-64.2	1.0	1.7	2.8
MONTH	1.2	54.3	2.5	233.8	-64.0	1.0	1.9	3.4
LACK	3	4	1	2	1	3	3	3

TABLE 6.2-1B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	N	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	28.7	2.0	1.2	0.7	0.8	1.3	2.2	0.5	1.1	0.1	1.9	4.9	8.2	17.1	21.1	5.7	2.4
20M	6.9	2.3	1.5	0.8	0.9	1.2	2.2	1.2	0.8	0.3	1.9	5.1	11.6	20.6	27.9	11.5	3.2
40M	2.2	2.4	0.8	0.4	1.5	1.6	2.7	1.2	0.7	0.7	2.7	4.5	9.6	20.9	31.8	12.1	4.2

TOKAI-40 1 / 1981

TABLE 6.2- 1C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	1.1	1.3	1.6	1.8	2.1	2.1	2.0	1.6	1.1	1.0	0.8	0.6	0.6	0.7	0.6	0.6
SIGMA	0.5	0.5	0.6	0.4	0.4	0.6	0.6	0.8	0.8	1.0	1.1	0.9	0.8	0.9	1.1	0.9	0.7	0.7	0.7	0.4	0.5	0.6	0.6	0.7
20M																								
MEAN	1.7	1.6	1.8	1.5	1.7	1.5	1.6	1.7	1.5	1.9	2.3	2.6	2.8	2.9	2.6	2.3	1.8	1.8	1.5	1.3	1.5	1.7	1.6	1.5
SIGMA	1.0	1.1	1.1	0.8	0.9	0.9	0.9	1.3	1.2	1.3	1.6	1.4	1.3	1.2	1.5	1.3	1.0	1.1	1.0	0.8	1.0	1.1	1.3	1.5
40M																								
MEAN	3.1	3.3	3.5	3.2	3.5	3.4	3.3	3.4	2.6	2.8	3.2	3.5	4.1	4.2	3.9	3.9	3.5	3.5	3.2	3.0	3.2	3.1	3.0	3.2
SIGMA	1.4	1.4	1.4	1.0	1.1	1.3	1.2	1.7	1.6	2.0	2.3	2.0	2.0	1.9	2.0	2.0	1.5	1.5	1.6	1.5	1.3	1.6	1.9	2.0
TEMPERATURE																								
MEAN	-2.1	-2.3	-2.4	-2.8	-3.0	-3.1	-3.2	-1.5	1.5	3.9	5.7	6.3	6.8	6.9	6.6	5.9	4.3	3.0	1.9	0.9	-0.0	-0.7	-1.2	-1.6
SIGMA	2.2	2.2	2.8	3.0	3.1	3.2	3.5	2.9	2.2	1.6	1.7	1.3	1.2	1.2	1.1	1.3	1.5	1.7	2.2	2.2	2.0	1.9	1.9	2.1
HUMIDITY																								
MEAN	66.3	67.5	68.3	70.3	71.3	71.6	73.0	68.1	55.8	44.2	37.6	34.5	34.5	34.4	35.3	36.5	41.8	45.7	49.6	53.2	56.4	59.6	62.2	63.9
SIGMA	11.3	10.4	10.3	10.4	9.8	11.1	12.1	11.8	12.4	16.2	14.5	14.8	14.9	13.8	14.3	15.1	15.3	14.5	12.2	12.3	10.4	11.0	11.1	10.8
LAPSE																								
MEAN	4.8	4.1	4.7	4.4	4.4	4.8	4.5	1.3	-2.5	-2.9	-3.0	-3.0	-2.9	-2.4	-1.4	-0.5	1.0	2.1	3.2	3.8	4.5	4.7	5.5	4.5
SIGMA	3.9	3.4	3.7	3.7	3.3	3.7	3.8	2.8	0.9	0.8	0.7	0.6	0.7	0.6	0.7	0.7	1.7	2.7	3.0	3.3	3.2	3.4	4.0	3.3
STABILITY																								
MEAN	**	**	**	**	**	**	**	**	-1.5	-1.4	-1.1	-1.0	-0.9	-0.6	-0.5	0.0	0.3	**	**	**	**	**	**	**
SIGMA	**	**	**	**	**	**	**	**	0.8	0.8	0.8	0.6	0.6	0.4	0.4	0.3	0.3	0.8	**	**	**	**	**	**
RADIATION																								
MEAN	-4.4	-4.4	-4.3	-4.2	-4.3	-4.3	-3.9	12.1	23.5	32.2	39.4	38.9	37.4	27.5	17.3	6.1	-4.3	-4.1	-4.0	-4.3	-4.4	-4.4	-4.5	-4.4
SIGMA	1.7	1.7	1.8	1.7	1.7	1.6	4.4	6.5	8.1	8.6	9.7	9.7	9.7	9.2	6.2	2.8	1.7	1.9	1.8	1.5	1.5	1.4	1.4	1.6

TABLE 6.2- 1D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	1																		
A-B	93	2	1	1	4	4			2	1	5	9	11	15	28	9	1		
B	93	1	3	3	1	6	2		3	3	4	3	9	19	22	12	2		
B-C	10		1					1	1			3		5					
C	8													1	3	2			
C-D	6										1			3	2				
D1	66	6	1	1	2	3	4	1	1	3	4	2	9	12	15	9	1		
D2	52	2			3	2					4	2	7	7	14	7	1		
E	4	1									2								
F	21	1									4	4	3	8	5				
G	387	6	3	2	6	3	3	3	3	3	7	27	46	100	119	40	22		
LACK	3																		

TOKAI-40 1 / 1981

TABLE 6.2- 1E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	213	5	1	2	5	7	5	2	2	5	5	15	30	71	74	16	7	0	213	
1.0-1.9		5	5	2	5	7	7	2	1	5	10	20	20	35	50	16	11		236	
2.0-2.9		3	2	1	1	2	4		4	3	5	10	15	20	20	10			182	
3.0-3.9		2	1						1	1	6	1	1	1	9				80	
4.0-4.9													1	1	3				20	
5.0-5.9													1	3	3				8	
6.0-6.9													2	2					2	
7.0-7.9																			0	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	213	15	9	5	6	10	16	4	8	1	14	36	61	127	156	42	18	3	744	
20M																				
-0.4	51																			
0.5-0.9		2	3	2	3	5	10	2	2	1	1	2	6	10	44	38	5	0	51	
1.0-1.9		5	3	3	4	2	5	4	2	1	8	9	27	65	104	29	10		119	
2.0-2.9		6	1					2	3	3	3	12	31	50	38	14	8		286	
3.0-3.9		3	3	1		2		1	3	2	4	4	13	11	15	4	1		176	
4.0-4.9		1	1						1	2	5	5	5	9	3				63	
5.0-5.9											1	1	3	3	1				25	
6.0-6.9												1	3	3	2				8	
7.0-7.9													1	3	1				9	
8.0-8.9													1	3	2				4	
9.0-9.9													2	2					0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	51	17	11	6	7	9	16	9	6	2	14	38	86	153	207	85	24	3	744	
40M																				
-0.4	16																			
0.5-0.9		1	1	1	1	3	2	2	3	2	1	4	2	3	4	3	1	0	16	
1.0-1.9		2	1	1	5	2	11	1	1	1	2	4	12	19	24	9	8		20	
2.0-2.9		4	1		5	4	6	3	1	2	3	5	10	46	52	23	12		97	
3.0-3.9		5	2	1		4		4	4	4	4	7	26	48	75	29	8		178	
4.0-4.9		4	2	1		1		3	1	5	5	4	8	19	53	13	1		218	
5.0-5.9		2	2					3		2	2	1	1	8	13	9	1		115	
6.0-6.9								3		1	2	1	1	4	9	4			46	
7.0-7.9								2		1	1	2	3	2	5				23	
8.0-8.9								2		1	1	2	3	2	5				13	
9.0-9.9								2		1	2	1	1	2	1				7	
10.0-								2		2	2	2	4	4					6	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	16	18	6	3	11	12	20	9	5	5	20	33	71	155	236	90	31	3	744	

TOKAI-40 2 / 1981

TABLE 6.2-2A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	1.1	84.6	5.0	37.8	-21.6	0.8	1.4	3.0
2	2.2	59.1	0.0	321.6	-48.6	1.7	2.8	4.8
3	1.9	69.1	0.0	67.8	-22.2	1.1	1.7	2.9
4	2.9	48.4	0.0	318.6	-83.4	2.9	5.0	7.1
5	2.7	57.9	0.0	321.6	-67.2	1.0	1.6	3.0
6	3.5	54.7	0.0	291.0	-54.6	1.0	1.6	3.3
7	2.5	62.8	0.0	247.8	-50.4	1.1	1.7	3.0
8	2.7	57.2	0.0	243.0	-68.8	1.0	1.6	3.2
9	3.5	64.1	0.0	301.8	-61.2	1.5	2.3	3.8
10	3.9	61.0	0.0	321.6	-60.6	1.7	2.5	4.2
11	1.8	47.2	0.0	328.8	-79.8	1.7	2.9	4.6
12	2.7	53.9	0.0	311.8	-67.2	1.3	2.2	3.5
13	6.5	68.5	0.0	298.2	-36.0	1.2	1.6	2.8
14	8.2	79.9	0.0	195.0	-10.2	2.5	3.4	4.9
15	7.8	75.3	0.0	142.8	-4.8	1.1	1.6	2.6
16	9.4	74.9	0.0	202.8	-22.2	1.3	1.9	2.9
17	2.2	79.2	11.5	51.6	-43.2	2.7	4.0	5.6
18	1.8	69.2	0.0	312.0	-55.2	0.9	1.7	2.7
19	6.1	58.1	0.0	142.8	-36.6	1.9	2.8	4.9
20	3.3	51.9	0.0	162.0	-33.0	0.6	1.0	1.9
21	2.5	61.9	0.0	**	-60.6	1.4	2.1	3.5
22	2.3	56.7	0.0	292.8	-61.8	1.1	1.6	2.4
23	3.7	81.4	3.5	56.4	-14.4	3.1	4.2	5.4
24	2.9	84.4	0.5	40.2	-21.0	2.4	3.4	4.7
25	1.6	57.0	0.0	302.4	-38.4	1.4	2.2	4.3
26	-1.5	49.4	0.0	296.4	-75.6	1.3	2.3	4.1
27	-1.4	50.0	0.0	312.6	-69.6	1.6	3.0	4.7
28	0.3	52.8	0.0	387.0	-73.8	1.4	2.3	3.9
MONTH	3.1	63.2	20.5	233.0	-47.9	1.5	2.4	3.8
LACK	9	10	5	7	2	9	9	9

TABLE 6.2-2B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	19.2	11.6	5.4	4.2	1.2	1.8	2.0	1.5	2.1	1.2	0.8	1.8	5.7	14.9	18.3	5.9	2.4
20M	5.3	11.3	5.7	5.0	1.2	2.6	1.8	2.0	1.8	1.1	1.4	2.0	6.2	17.0	22.9	8.6	4.2
40M	1.7	9.8	6.0	4.8	1.2	3.0	2.1	2.3	1.2	1.2	1.5	1.7	6.2	16.0	25.3	9.8	6.2

TOKAI-40 2 / 1981

TABLE 6.2- 2C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.1	1.1	0.9	1.1	1.1	0.9	0.9	1.1	1.6	1.8	2.1	2.4	2.6	2.7	3.0	2.4	1.8	1.4	1.3	1.0	1.2	1.1	1.1	1.1	1.0
SIGMA	0.9	0.9	1.0	1.1	1.2	0.9	0.9	1.1	1.0	1.2	1.2	1.1	1.2	1.4	1.5	1.3	1.3	1.2	1.0	1.0	0.9	0.9	0.9	0.9	0.9
20M																									
MEAN	2.0	2.1	1.9	2.1	2.0	2.0	1.8	1.7	2.2	2.5	2.8	3.2	3.6	3.7	3.8	3.2	2.7	2.2	2.1	1.8	1.9	1.9	1.9	2.1	1.9
SIGMA	1.2	1.2	1.3	1.4	1.5	1.2	1.2	1.5	1.5	1.6	1.6	1.8	2.0	2.1	2.0	1.7	1.8	1.8	1.5	1.3	1.2	1.3	1.2	1.2	1.2
40M																									
MEAN	3.5	3.8	3.3	3.9	3.7	3.6	3.6	3.1	3.3	3.4	3.8	4.4	4.8	4.9	5.4	4.7	4.2	3.6	3.8	3.2	3.7	3.6	3.5	3.4	
SIGMA	1.6	1.4	1.5	1.7	1.6	1.3	1.4	1.7	1.9	2.1	2.0	2.2	2.6	2.8	3.0	2.4	2.2	2.4	2.1	1.6	1.7	1.7	1.4	1.7	
TEMPERA-																									
TURE																									
MEAN	0.7	0.4	0.0	-0.1	-0.4	-0.7	-0.5	1.2	3.5	5.2	6.4	6.9	7.1	7.2	6.9	6.3	5.5	4.7	4.0	3.2	2.7	2.3	1.6	1.1	
SIGMA	3.5	3.5	3.6	3.7	3.8	3.7	3.6	2.8	2.4	2.4	2.8	3.0	3.1	3.0	3.1	3.0	3.0	2.9	2.9	3.1	3.1	3.2	3.4	3.5	
HUMIDITY																									
MEAN	72.1	73.0	74.6	74.9	75.8	76.8	76.2	69.5	59.8	51.3	49.8	47.7	46.3	49.6	50.4	54.4	58.0	60.0	61.4	64.5	65.2	65.9	68.0	69.5	
SIGMA	13.9	12.9	11.7	10.0	10.3	10.0	10.3	12.1	15.2	21.2	22.2	23.5	22.3	22.5	20.6	20.0	18.5	18.3	16.5	15.2	15.3	16.5	15.0	14.3	
LAPSE																									
RATE																									
MEAN	2.6	2.5	2.7	2.5	3.0	3.3	2.4	-0.4	-2.3	-2.8	-2.9	-2.6	-2.6	-2.4	-1.8	-1.4	-0.7	0.2	0.8	1.0	1.0	1.6	2.0	2.0	
SIGMA	3.3	3.2	3.2	3.1	3.6	3.8	3.3	2.3	1.0	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.9	1.6	2.6	2.7	3.1	3.3	4.0	3.1	
STABIL-																									
RATIO																									
MEAN	0.7	1.9	**	0.7	**	**	**	-0.8	-1.0	-1.3	-0.9	-0.7	-0.6	-0.5	-0.4	-0.4	-0.3	0.1	-0.2	**	0.1	1.0	0.7	**	
SIGMA	1.6	3.7	**	1.7	**	**	**	1.2	0.8	1.1	0.9	0.5	0.6	0.5	0.3	0.4	0.4	1.2	0.3	**	0.5	2.8	2.4	**	
RADIA-																									
TION																									
MEAN	-3.2	-3.4	-3.3	-3.2	-3.3	-3.1	-2.1	13.5	22.6	33.1	38.4	35.1	33.8	29.0	18.5	10.1	-2.9	-3.5	-3.1	-3.2	-3.5	-3.5	-3.3	-3.2	
SIGMA	2.1	2.1	2.1	2.2	2.2	2.3	1.9	8.2	11.9	16.9	17.5	17.9	18.3	14.6	10.8	5.5	2.0	2.3	2.2	2.3	2.3	2.0	2.2	2.1	

TABLE 6.2- 2D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	7																	
A-B	55	1	3	3	2	2	4	2	1		2	2	6	11	15	1		
B	69	1	3	6	3	5	8	6	1	3	2	2	8	6	12	3		
B-C	10		3					2	1				1	2	1			
C	13	1						1	1				1	3	3			
C-D	10		2					1	1				1	4	3	2		1
D1	81	26	9					1	4	3	1	1	1	8	14	9	2	
D2	132	24	11	11	2	1	2	1	1	2	5	8	27	17	15	15	8	
E	12	2	2										1	3	3		2	
F	23	10	2	4						1			2	4				
G	251	20	2	3	1	8	2	1	5	2	5	8	25	60	76	24	9	
LACK	9																	

TOKAI-40 2 / 1981

TABLE 6.2-2E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	127																			
0.5-0.9		8	1	1	2	1	1	1	1	3	1	7	23	34	57	21	2	0	127	
1.0-1.9		17	6	5	7	5	3	3	3	1	2	2	10	42	35	11	8		163	
2.0-2.9		24	8	17	2	3	7	5	4	3	2	2	4	10	13	7	5		116	
3.0-3.9		19	16	4				1	3	1		1	1	3	10		1		60	
4.0-4.9		9	4	1					3					4	5				26	
5.0-5.9			1											4	1				6	
6.0-6.9														4					1	
7.0-7.9														1					1	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
TOTL	127	77	36	28	8	12	13	10	14	8	5	12	38	99	121	39	16	9	672	
20M																				
-0.4	35																			
0.5-0.9		5	2	3	2	3	1	1	3	3	3	1	7	9	30	24	4	0	35	
1.0-1.9		9	6	6	2	8	3	2	3	2	2	6	10	42	74	20	10		89	
2.0-2.9		14	6	12	2	6	7	5	3	1	3	3	15	30	29	9	5		144	
3.0-3.9		21	7	12	1	4	1	4	3	3	1	1	4	14	7	3	7		88	
4.0-4.9		16	14	10	1		1	1	1	1		1	3	6	4	1	2		60	
5.0-5.9		8	6	1				1	2			1	2	2	6				29	
6.0-6.9		2	3	1										1	2				9	
7.0-7.9														2					2	
8.0-8.9														3					3	
9.0-9.9														1					1	
10.0-														3					3	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
TOTL	35	75	38	33	8	17	12	13	12	7	9	13	41	113	152	57	28	9	672	
40M																				
-0.4	11																			
0.5-0.9		3	2	2	2	4	1	2	2	1	1	1	1	2	2	5	1	0	11	
1.0-1.9		7	3	3	2	9	3	2	2	3	4	3	10	11	20	8	6		13	
2.0-2.9		9	4	5	2	7	5	5	2	1	2	3	9	18	30	16	15		71	
3.0-3.9		20	5	5		4	4	3	2	2	1	2	6	18	49	17	6		149	
4.0-4.9		12	10	6		1	1	1	1	1	1	2	4	37	17	9	7		119	
5.0-5.9		8	13	8		1	1	1	1	1	1	2	3	14	5	5	5		64	
6.0-6.9		5	1	1	2			1	1	1	1	1	1	5	1	1	1		47	
7.0-7.9		1	2	2				1	1	1	1	1	1	3	3	4			21	
8.0-8.9														1	1				12	
9.0-9.9														1	1				2	
10.0-														8	2				10	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
TOTL	11	65	40	32	8	20	14	15	8	8	10	11	41	106	168	65	41	9	672	

TOKAI-40 3 / 1981

TABLE 6.2-3A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND			WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S	SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	3.3	54.9	0.0	295.2	-33.6	1.3	2.0	3.2	1.3	2.0	3.2
2	2.5	50.0	0.5	392.4	-48.6	1.7	2.5	3.9	1.7	2.5	3.9
3	3.1	66.7	0.0	287.4	-36.0	0.9	1.3	2.4	0.9	1.3	2.4
4	5.6	91.3	7.5	64.8	-4.8	1.9	2.7	4.0	1.9	2.7	4.0
5	4.7	75.7	0.0	201.0	-45.0	0.9	1.3	2.4	0.9	1.3	2.4
6	4.2	60.3	0.0	356.4	-63.6	2.1	3.4	4.9	2.1	3.4	4.9
7	2.4	68.1	0.0	337.2	-60.6	1.0	1.6	2.7	1.0	1.6	2.7
8	5.9	60.0	0.0	378.0	-39.6	2.0	2.9	4.5	2.0	2.9	4.5
9	4.1	77.8	0.0	69.0	-4.8	3.5	4.8	6.2	3.5	4.8	6.2
10	3.1	76.7	0.0	235.2	-45.6	1.3	1.8	2.9	1.3	1.8	2.9
11	2.3	57.0	0.0	396.6	-58.2	1.0	1.5	2.5	1.0	1.5	2.5
12	5.0	77.3	0.0	302.4	-31.8	1.6	2.1	3.0	1.6	2.1	3.0
13	7.2	66.5	0.0	376.8	-24.0	2.3	2.9	4.2	2.3	2.9	4.2
14	8.0	89.9	3.5	64.2	-6.6	1.7	2.4	3.3	1.7	2.4	3.3
15	8.7	76.6	31.0	72.0	-47.4	1.6	2.6	4.3	1.6	2.6	4.3
16	6.0	44.3	0.0	366.6	-74.4	1.4	2.2	3.5	1.4	2.2	3.5
17	4.2	49.0	0.0	367.8	-72.6	1.3	1.9	3.7	1.3	1.9	3.7
18	5.5	63.3	0.0	400.2	-58.8	1.4	2.0	2.9	1.4	2.0	2.9
19	9.3	77.3	0.0	379.8	-28.8	1.1	1.6	2.5	1.1	1.6	2.5
20	10.3	81.4	6.5	292.2	-28.8	1.5	2.1	3.5	1.5	2.1	3.5
21	7.0	90.2	5.0	99.6	-16.2	2.5	3.3	4.4	2.5	3.3	4.4
22	7.8	89.8	2.0	283.2	-36.0	3.1	4.1	5.3	3.1	4.1	5.3
23	9.1	58.4	0.0	430.8	-51.6	2.0	2.6	5.4	2.0	2.6	5.4
24	6.5	52.5	0.0	414.0	-43.2	1.5	2.0	2.8	1.5	2.0	2.8
25	7.5	93.0	12.5	51.0	-7.8	2.3	3.1	4.3	2.3	3.1	4.3
26	8.7	93.4	4.0	108.0	-19.8	1.5	2.2	3.3	1.5	2.2	3.3
27	7.4	49.9	0.0	437.4	-60.0	2.0	3.1	5.4	2.0	3.1	5.4
28	5.8	59.2	0.0	420.6	-47.4	1.6	2.1	3.1	1.6	2.1	3.1
29	7.3	70.8	0.0	355.2	-15.6	2.9	3.7	4.7	2.9	3.7	4.7
30	6.2	56.2	0.0	388.2	-39.7	2.1	2.9	4.2	2.1	2.9	4.2
31	4.7	55.0	0.0	110.0	-31.8	1.5	2.0	3.1	1.5	2.0	3.1
MONTH	5.9	68.7	72.5	282.3	-38.1	1.8	2.5	3.8	1.8	2.5	3.8
LACK	4	10	2	1	3	4	4	4	4	4	4

TABLE 6.2-3B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	19.2	10.7	17.0	7.4	3.5	3.4	2.7	2.4	1.6	1.2	1.5	1.9	5.0	7.0	10.7	3.9	0.8
20M	7.6	10.1	18.1	8.1	3.4	4.2	2.2	2.7	1.4	1.6	1.1	3.2	5.1	8.8	13.6	6.2	2.6
40M	2.3	9.7	18.8	7.4	3.8	4.6	3.0	2.6	1.6	1.2	1.2	3.0	4.6	8.2	16.1	8.6	3.2

TOKAI-40 3 / 1981

TABLE 6.2-3C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=10M																								
MEAN	1.3	1.1	1.1	1.2	1.1	1.2	1.3	1.7	2.1	2.7	2.8	2.9	2.9	2.7	2.5	2.4	2.2	1.5	1.3	1.1	1.1	1.3	1.3	1.3
SIGMA	1.2	1.0	1.0	1.2	1.3	1.3	1.5	1.3	1.3	1.3	1.2	1.2	0.9	1.0	1.1	1.3	1.3	1.3	1.4	1.2	1.0	1.1	1.2	1.1
H=20M																								
MEAN	2.1	1.9	1.9	2.1	1.9	2.0	2.0	2.3	2.7	3.3	3.5	3.6	3.6	3.4	3.2	3.2	3.0	2.3	2.0	1.7	1.8	1.9	2.2	2.1
SIGMA	1.5	1.4	1.4	1.4	1.5	1.6	1.6	1.9	1.8	1.8	1.8	1.6	1.2	1.3	1.4	1.7	1.6	1.7	1.8	1.6	1.3	1.3	1.3	1.4
H=40M																								
MEAN	3.6	3.4	3.2	3.3	3.5	3.3	3.3	3.2	3.6	4.5	4.6	4.8	4.8	4.7	4.5	4.4	4.5	3.5	3.3	2.8	3.1	3.3	3.5	3.6
SIGMA	1.8	1.8	1.6	1.7	1.7	1.8	1.8	2.3	2.2	2.4	2.5	2.2	1.9	2.2	2.0	2.4	2.1	2.1	2.3	2.0	1.6	1.5	1.5	1.5
TEMPERATURE																								
MEAN	3.9	3.5	3.3	2.8	2.8	2.6	3.8	5.7	7.3	8.2	8.8	9.1	9.2	9.0	8.6	8.4	7.6	6.9	6.2	5.7	5.2	4.9	4.4	4.2
SIGMA	3.5	3.7	3.7	3.7	3.7	3.9	3.6	2.8	2.6	2.6	2.6	2.7	2.9	2.9	2.7	2.5	2.3	2.1	2.1	2.3	2.7	3.1	3.4	3.4
HUMIDITY																								
MEAN	74.4	76.5	77.1	78.7	78.9	80.2	76.7	70.4	62.5	58.6	57.0	56.7	58.0	58.6	60.9	59.2	63.9	68.0	69.9	70.1	70.8	72.7	75.5	75.4
SIGMA	15.6	15.2	15.0	14.1	16.0	14.9	17.0	20.2	22.0	23.4	24.5	23.0	22.1	21.8	22.6	20.8	21.3	19.0	18.2	17.8	18.1	17.2	15.6	15.3
LAPSE RATE																								
MEAN	2.0	2.6	2.7	3.0	3.0	3.4	0.9	-1.4	-2.4	-2.7	-3.0	-3.2	-3.1	-2.8	-2.5	-1.9	-1.1	-0.2	1.2	1.8	2.3	2.3	2.0	1.8
SIGMA	3.2	4.1	3.7	4.1	4.2	4.5	2.8	1.4	0.9	1.0	1.1	1.0	1.0	0.9	0.7	0.6	0.6	1.3	2.3	2.7	3.3	3.6	3.6	3.0
STABILITY RATIO																								
MEAN	1.6	1.6	0.9	0.2	0.9	-0.0	-0.1	-0.8	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.5	-0.5	-0.3	-0.2	0.1	0.4	0.5	0.9	0.7	0.7
SIGMA	3.4	3.1	1.8	1.0	2.8	0.4	0.4	0.8	0.8	0.6	0.5	0.3	0.3	0.5	0.4	0.4	0.3	0.5	0.5	1.2	1.7	2.0	2.0	1.6
RADIATION																								
MEAN	-2.5	-2.5	-2.5	-2.3	-2.2	-1.9	1.6	0.1	11.8	17.1	19.1	19.2	20.3	18.6	16.7	15.0	9.1	1.5	2.2	2.1	1.9	2.0	2.1	2.0
SIGMA	2.0	2.0	2.1	2.0	1.9	1.6	0.1	11.8	17.1	19.1	19.2	20.3	18.6	16.7	15.0	9.1	1.5	2.2	2.1	1.9	2.0	2.1	2.0	2.1

TABLE 6.2-3D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	14				2	2	1	1			2				3	1			
A-B	61	2	2	9	2	8	11	3	1	1	1	2	5	4	6	3	1		
B	76	4	7	9	5	10	4		1	1	1	1	2	5	9	8	1		
B-C	19	3	7	4	1			2							1	1			
C	31		13	8	1	1		1	2					1	3	1			
C-D	9		7												1	1			
D1	68	16	29	7	4	2			1	1	1	1	3	2	2	2			
D2	221	42	55	10	4	1	1	1	2	4	6	9	17	17	33	12	7		
E	12	2	3	2				1							2	1			
F	13	3	1	1	1										2	5			
G	216	13	6	5	9	4	3	2	6	8	3	13	23	39	48	28	6		
LACK	4																		

TOKAI-40 3 / 1981

TABLE 6.2-3E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	142	6	1	3	6	4	1	1		5	7	8	17	28	34	5	3	0	142	
1.0-1.9		20	17	22	12	10	11	4	6	3	2	4	14	20	27	12	1		129	
2.0-2.9		24	28	16	6	10	8	8	3	2	2	2	6	20	27	12	1		185	
3.0-3.9		16	46	12	2	1		5	3	1				3	10	4	2		129	
4.0-4.9		11	24		2				3						5	6			100	
5.0-5.9		1	8						2						2	2			41	
6.0-6.9		1	2						1						1				10	
7.0-7.9																			4	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
TOTL	142	79	126	55	26	25	20	18	12	9	11	14	37	52	79	29	6	4	744	
20M																				
-0.4	56																			
0.5-0.9		5	2	14	13	2	1		2	4	1	2	2	10	25	14	12	0	56	
1.0-1.9		12	5	14	13	10	4	4	2	5	3	10	17	27	42	16	4		82	
2.0-2.9		16	21	16	4	16	7	6	3	3	3	6	12	18	18	4	2		188	
3.0-3.9		17	24	12	4	3	4	7	3			4	4	4	11	7	1		155	
4.0-4.9		15	39	8	1			3	2	1	1	1	2	3	4	3			105	
5.0-5.9		7	27	8	1				2			1	1	2	4	2			82	
6.0-6.9		2	10	2					2					2		2			14	
7.0-7.9		1	5												1				7	
8.0-8.9		1	1											1					2	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
TOTL	56	75	134	60	25	31	16	20	10	12	8	24	38	65	101	46	19	4	744	
40M																				
-0.4	17																			
0.5-0.9		1	7	5	6	4	1		1	2	1	4	3	2	3	2	3	0	17	
1.0-1.9		3	8	17	9	17	4	2	4	3	2	3	13	14	16	17	10		18	
2.0-2.9		14	22	17	4	6	9	4	3	2	2	3	6	17	30	13	7		101	
3.0-3.9		9	22	5	4	6	6	3	2	3	1	11	6	13	35	10	3		164	
4.0-4.9		17	21	10	5	6	4	8	2	1	1	2	2	5	16	5	1		144	
5.0-5.9		14	32	6	1	6	1	1	2	1	2	2	3	4	8	6			103	
6.0-6.9		6	26	5	2			1	2		2	2	2	3	7	4			81	
7.0-7.9		6	9	6				1	4		4	2	2	3	7	1			58	
8.0-8.9		1	9	3					1		1	2	2	1	2	1			25	
9.0-9.9		1	3	1					4		4	1	4	4	4	1			17	
10.0-		2	2						2		2	2	1	2	1	1			6	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
TOTL	17	72	139	55	28	34	22	19	12	9	9	22	34	61	119	64	24	4	744	

TOKAI-40 4 / 1981

TABLE 6.2-4A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND			WIND		
						WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	6.4	74.6	1.5	253.2	-18.0	1.0	1.5	2.3	1.0	1.5	2.3
2	6.7	81.3	28.5	68.4	-38.4	2.4	3.2	4.7	2.4	3.2	4.7
3	8.1	53.4	0.0	482.4	-53.4	1.3	2.1	3.3	1.3	2.1	3.3
4	8.9	70.8	0.0	141.6	-17.4	1.0	1.5	2.6	1.0	1.5	2.6
5	7.8	76.5	0.0	295.2	-11.4	1.5	2.0	2.7	1.5	2.0	2.7
6	9.1	92.4	1.5	124.7	-17.9	0.9	1.3	2.3	0.9	1.3	2.3
7	10.0	49.9	0.0	377.3	-66.6	1.3	2.1	4.4	1.3	2.1	4.4
8	7.9	51.3	0.0	492.6	-67.2	1.4	1.8	2.5	1.4	1.8	2.5
9	10.1	67.9	0.0	375.8	-29.4	1.9	2.7	4.0	1.9	2.7	4.0
10	11.2	97.4	18.5	86.4	-6.0	1.9	2.7	3.9	1.9	2.7	3.9
11	12.9	75.5	0.0	438.6	-31.8	2.2	2.9	3.9	2.2	2.9	3.9
12	12.2	70.0	0.0	420.0	-25.8	1.0	1.3	2.5	1.0	1.3	2.5
13	8.2	89.2	5.0	96.0	-13.2	3.3	4.5	6.1	3.3	4.5	6.1
14	8.3	66.0	0.0	442.8	-47.5	1.8	2.7	4.0	1.8	2.7	4.0
15	10.8	54.4	0.0	413.8	-37.2	1.5	2.1	3.3	1.5	2.1	3.3
16	9.3	92.1	18.5	47.4	-18.0	1.7	2.3	3.6	1.7	2.3	3.6
17	10.4	63.7	0.0	445.8	-43.8	1.5	2.0	3.2	1.5	2.0	3.2
18	8.0	58.3	0.0	500.3	-64.2	1.6	2.3	4.1	1.6	2.3	4.1
19	6.5	81.3	14.5	137.4	-17.4	1.7	2.3	3.3	1.7	2.3	3.3
20	13.0	73.2	18.5	421.2	-42.6	3.7	5.1	7.2	3.7	5.1	7.2
21	11.8	56.6	0.0	511.2	-58.2	1.7	2.6	4.1	1.7	2.6	4.1
22	11.1	66.0	0.0	490.8	-52.2	1.6	2.0	3.4	1.6	2.0	3.4
23	15.2	68.0	0.0	477.0	-44.4	1.8	2.7	4.0	1.8	2.7	4.0
24	16.1	67.5	0.0	437.4	-39.6	2.0	2.9	4.1	2.0	2.9	4.1
25	15.6	79.9	12.0	165.6	-45.6	3.8	5.4	7.5	3.8	5.4	7.5
26	9.9	73.7	0.0	391.6	-60.0	1.2	1.9	3.2	1.2	1.9	3.2
27	15.4	72.0	0.0	478.2	-42.0	1.8	2.7	3.9	1.8	2.7	3.9
28	11.1	62.7	0.0	525.0	-54.6	2.6	3.4	4.6	2.6	3.4	4.6
29	11.7	74.3	0.0	301.2	-27.6	1.2	1.7	2.7	1.2	1.7	2.7
30	14.4	93.8	7.5	93.3	**	2.6	3.5	5.2	2.6	3.5	5.2
MONTH	10.5	71.4	126.0	332.2	-37.3	1.8	2.6	3.9	1.8	2.6	3.9
LACK	29	39	23	17	12	29	29	29	29	29	29

TABLE 6.2-4B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	16.5	4.8	12.4	6.7	3.3	1.4	2.3	6.5	9.7	2.3	3.9	3.5	4.9	6.9	9.0	3.9	1.9
20M	8.2	4.1	14.8	6.8	2.9	2.0	1.9	8.1	8.4	2.5	4.6	3.6	5.4	8.2	11.0	4.5	3.0
40M	1.9	4.8	15.3	7.1	2.6	2.3	3.5	10.3	6.8	2.3	4.3	3.9	3.6	9.6	11.4	7.2	3.0

TOKAI-40 4 / 1981

TABLE 6.2-4C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	0.8	0.8	1.0	1.1	1.3	1.3	1.5	2.0	2.3	2.8	2.7	3.0	3.1	3.3	3.2	2.5	2.3	1.9	1.3	1.5	1.3	1.2	1.2	0.7
SIGMA	0.7	0.6	1.1	1.0	1.4	1.3	1.5	1.8	1.6	1.5	1.2	1.3	1.4	1.3	1.2	1.4	1.3	1.4	1.4	1.5	1.1	0.9	0.9	0.6
20M																								
MEAN	1.5	1.6	1.8	1.9	2.2	2.1	2.0	2.5	2.9	3.5	3.5	3.7	3.8	4.1	4.0	3.2	3.1	2.7	2.2	2.2	2.0	2.0	1.9	1.4
SIGMA	1.0	0.8	1.4	1.3	1.8	1.7	1.9	2.3	2.1	2.1	1.7	1.7	2.0	1.7	1.4	1.6	1.6	1.7	1.9	1.8	1.5	1.2	1.2	0.9
40M																								
MEAN	3.1	3.0	3.2	3.7	3.9	3.6	3.1	3.4	4.0	4.6	4.5	4.8	4.8	5.3	5.1	4.2	4.4	4.1	3.5	3.7	3.5	3.7	3.4	2.7
SIGMA	1.7	1.3	1.7	1.9	2.5	2.2	2.6	3.0	3.0	2.8	2.4	2.4	2.7	2.3	1.8	2.0	2.0	2.4	2.3	2.3	2.1	1.6	1.3	1.3
TEMPERA-																								
TURE																								
MEAN	7.9	7.4	7.1	6.9	7.0	7.5	9.2	11.1	12.6	13.5	13.8	13.9	13.7	13.4	13.0	12.0	11.5	10.6	10.1	10.0	9.8	9.2	8.5	
SIGMA	3.8	4.0	4.1	4.1	4.0	4.0	3.6	3.5	3.6	3.9	4.3	4.3	4.5	4.3	4.3	3.9	3.4	3.1	2.7	2.6	3.0	3.2	3.5	3.4
HUMIDITY																								
MEAN	80.0	83.2	82.6	81.9	80.6	81.3	74.0	68.6	62.6	59.3	59.6	56.1	60.6	60.2	61.6	63.5	66.6	69.5	73.1	75.7	74.4	76.0	77.3	81.4
SIGMA	13.9	13.3	13.3	15.2	17.5	16.4	17.9	20.1	22.7	23.0	21.1	19.7	21.0	20.7	20.9	20.1	20.2	17.4	18.2	17.1	18.3	16.9	15.7	12.4
LAPSE																								
MEAN	3.4	4.0	3.6	3.8	2.8	1.6	-1.2	-2.1	-2.6	-2.9	-3.1	-3.2	-3.0	-2.9	-2.5	-1.7	-1.3	0.1	1.0	1.6	2.1	1.8	2.2	2.8
SIGMA	3.4	3.7	3.9	4.2	4.2	3.6	1.3	1.0	1.0	1.2	1.3	1.3	1.4	1.1	1.0	1.5	1.1	1.7	1.9	2.6	3.4	2.8	3.0	3.3
STABIL-																								
RATIO																								
MEAN	**	2.3	**	1.1	1.7	0.6	-0.6	-0.5	-0.9	-0.6	-0.7	-0.5	-0.5	-0.4	-0.3	-0.3	0.1	0.8	0.1	0.7	0.7	0.1	**	
SIGMA	**	3.1	**	2.2	3.0	1.9	0.6	0.6	1.0	0.7	0.6	0.5	0.4	0.4	0.3	0.5	0.6	0.8	1.7	0.3	2.3	1.6	0.9	**
RADIA-																								
TION																								
MEAN	-3.0	-2.9	-3.0	-2.9	-2.7	-0.5	17.7	26.8	36.0	41.3	41.7	41.2	37.5	35.0	27.1	20.2	8.8	-3.0	-3.4	-3.2	-3.1	-3.3	-3.2	
SIGMA	2.1	1.9	1.8	1.9	1.8	0.9	10.1	15.5	18.2	18.8	22.8	23.5	21.4	18.9	15.6	11.3	5.8	2.0	2.2	2.3	2.1	2.0	1.8	2.0

TABLE 6.2-4D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW	N	LACK	
A	15			3		1	2	1	1		1		4	1	1				
A-B	60			5	6	2	4	10	2	4	2	5	3	8	4	2		3	
B	96	1	9	10	8	2	8	21	13	2	1	3	2	5	8	3			
B-C	13	1	2	2					5		1	1			1				
C	22	1	3	1	1			1	9	1	1	1		1	1	2			
C-D	15		3					1	9	2									
D1	92	11	35	4	4	2		4	10	1	8	1	3	3	4		2		
D2	149	9	26	15	2	3	1	5	13	3	3	8	6	13	27	11	4		
E	9	1	3	1							2						2		
F	16	4	2	2							2						3		
G	204	12	6	7	7	5	4	5	8	11	7	15	18	29	41	19	1	10	
LACK	29																		29

TOKAI-40 4 / 1981

TABLE 6.2-4E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK	TOTL	
-0.4	114																		0	114
0.5-0.9	7	4	7	6	4	2	4	3	5	4	4	11	14	23	28	12	5		0	139
1.0-1.9	8	14	21	11	3	5	9	12	4	3	3	6	20	20	19	10	4		0	169
2.0-2.9	8	27	13	6	3	7	22	10	4	4	4	5	1	1	8	4	3		0	125
3.0-3.9	4	19	5			2	8	23	1	4	4	2		2	4	1	1		0	76
4.0-4.9	4	10				2	13	1	4	4	4			1	3				0	38
5.0-5.9	2	10					3	1	3	3	3			1					0	20
6.0-6.9		2					2	2	4	4	4								0	8
7.0-7.9							1	1											0	2
8.0-8.9																			0	0
9.0-9.9																			0	0
10.0-																			0	0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
TOTL	114	33	86	46	23	10	16	45	67	16	27	24	34	48	62	27	13	0	29	720
20M																				
-0.4	57																			0
0.5-0.9	5	3	4	2	4	1	9	1	3	2	2	2	4	8	17	6	4		0	57
1.0-1.9	8	10	12	9	4	4	17	5	3	5	5	10	11	20	35	16	8		0	66
2.0-2.9	7	18	19	8	5	6	19	9	6	4	4	6	15	21	11	4	6		0	169
3.0-3.9	3	29	9	1	1	1	19	13	3	1	1	5	6	3	8	5	2		0	162
4.0-4.9	1	17	3			1	7	13	3	6	6		1	2	2		1		0	109
5.0-5.9	1	7				1	3	10	2	2	2			1	3				0	54
6.0-6.9	2	12					1	4	4	2	4			1					0	29
7.0-7.9	1	4					1	1	1	3	3			1					0	26
8.0-8.9		2						2	3	3	3								0	10
9.0-9.9									2	2	2								0	7
10.0-																			0	2
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
TOTL	57	28	102	47	20	14	13	56	58	17	32	25	37	57	76	31	21	0	29	720
40M																				
-0.4	13																			0
0.5-0.9	4	1	1	1	1	1	2	5	1	4	4	1	2	5	1	5	3		0	13
1.0-1.9	9	8	8	4	7	1	6	9	9	1	1	3	5	10	6	12	3		0	27
2.0-2.9	7	11	14	10	4	6	12	7	4	6	6	8	8	20	20	10	6		0	87
3.0-3.9	5	15	12	1	2	8	12	7	4	6	8	4	4	13	25	7	4		0	137
4.0-4.9	3	27	8	2	1	4	22	11	2	3	4	4	4	10	7	8	3		0	135
5.0-5.9	2	13	4			1	12	9	2	3	4	4	2	3	11	4	2		0	119
6.0-6.9	1	8	2				6	5	1	4	4	1		3	11	3	2		0	74
7.0-7.9	1	10					6	2	1	2	2	1		3	2	1			0	34
8.0-8.9	1	7				1	6	1	1	1	1			1	3				0	23
9.0-9.9	1	4					2	2	2	2	2			1	1				0	17
10.0-		2					3	4	4	4	4			1	2				0	11
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
TOTL	13	33	106	49	18	16	24	71	47	16	30	27	25	66	79	50	21	0	29	720

TOKAI-40 5 / 1981

TABLE 6.2-5A DAILY AVERAGES

DATE	AIR TEMP. C./DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. SOLAR CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	15.5	52.3	0.0	528.6	-46.1	1.5	2.2	3.6
2	13.2	18.2	0.0	442.8	-37.8	1.8	2.4	3.1
3	13.2	13.5	7.0	404.4	-4.8	3.4	4.1	5.1
4	10.1	17.1	10.0	185.4	-35.4	2.9	3.8	5.0
5	12.5	26.2	0.0	526.2	-42.0	1.8	2.3	3.4
6	13.7	23.9	0.0	276.6	-17.5	1.0	1.5	2.2
7	12.3	13.0	55.0	58.2	-17.4	3.7	4.7	6.4
8	12.9	21.4	0.0	473.4	-47.4	2.0	2.7	3.9
9	14.1	80.1	0.0	340.8	-14.4	0.9	1.3	2.0
10	13.7	80.9	0.5	162.6	-9.6	1.2	1.8	3.0
11	12.1	91.7	0.0	147.0	0.0	3.2	4.2	5.6
12	11.5	**	21.0	74.4	-8.4	2.1	2.9	4.0
13	12.8	84.8	0.0	393.6	-16.8	1.1	1.4	2.1
14	15.1	73.3	0.0	494.4	-21.6	1.8	2.3	3.5
15	14.7	73.3	0.0	243.5	-16.2	2.3	3.0	4.1
16	11.9	78.5	0.0	337.8	-27.0	4.3	5.6	7.4
17	10.6	90.0	5.5	79.8	-19.8	6.0	7.8	10.2
18	13.8	79.3	24.0	484.2	-34.8	3.2	4.1	5.7
19	11.9	84.8	0.0	217.2	-11.4	2.0	2.5	3.4
20	10.9	86.8	1.0	97.2	-18.0	0.8	1.3	2.0
21	13.5	81.1	0.0	517.8	-33.0	2.0	2.7	3.9
22	15.6	79.2	0.0	497.4	-34.2	1.7	2.4	3.1
23	20.5	64.5	0.0	501.6	-41.4	1.7	2.5	3.6
24	12.1	91.6	11.5	207.6	-23.4	3.8	5.0	6.4
25	17.4	74.8	1.0	339.6	-37.2	1.5	2.3	3.6
26	19.0	52.8	0.0	506.4	-45.6	1.9	2.9	4.4
27	14.4	75.5	0.0	505.8	-29.4	2.8	3.7	4.8
28	16.3	87.0	3.5	156.6	-1.8	1.5	2.1	3.0
29	17.3	82.5	2.0	407.4	-27.0	1.8	2.5	3.6
30	14.7	51.1	0.0	438.0	-60.0	1.6	2.2	4.1
31	10.9	68.6	0.0	292.3	-24.6	1.3	1.9	2.4
MONTH	13.8	63.6	142.0	334.3	-25.9	2.2	3.0	4.2
LACK	7	26	4	5	2	7	7	7

TABLE 6.2-5B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	9.8	7.2	25.2	11.4	3.3	3.7	1.8	3.5	5.3	1.8	2.3	2.6	4.2	6.8	6.6	2.8	1.8
20M	5.6	5.7	27.1	11.1	3.7	3.8	1.6	3.9	5.0	1.9	2.8	2.3	4.7	7.7	8.0	2.7	2.2
40M	2.2	5.3	28.1	11.3	2.7	3.1	3.4	6.1	2.7	2.3	2.7	3.9	3.9	7.7	8.7	3.8	2.0

TOKAI-40 5 / 1981

TABLE 6.2- 5C. HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.8	2.1	1.7	1.8	1.8	1.6	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.1	2.9	3.0	2.6	2.3	2.0	2.2	2.0	2.2	1.9	2.0
SIGMA	1.9	1.9	1.4	1.4	1.4	1.2	1.6	1.5	1.3	1.2	1.4	1.3	1.4	1.3	1.5	1.3	1.4	1.5	1.7	2.1	2.0	2.4	1.9	1.9
20M																								
MEAN	2.6	3.0	2.3	2.6	2.7	2.2	2.6	2.6	2.8	3.0	3.0	3.3	3.4	3.7	3.6	3.8	3.4	3.2	2.8	3.1	2.8	3.1	2.7	2.8
SIGMA	2.4	2.3	1.7	1.7	1.8	1.5	2.0	2.0	1.8	1.6	1.8	1.8	1.8	1.6	1.8	1.6	1.8	1.8	2.0	2.5	2.4	2.9	2.3	2.4
40M																								
MEAN	3.9	4.3	3.6	4.0	4.0	3.4	3.6	3.5	3.6	3.8	3.9	4.3	4.4	4.8	4.8	5.1	4.7	4.3	4.2	4.6	4.0	4.5	4.1	4.3
SIGMA	2.9	2.8	2.1	2.2	2.2	1.8	2.5	2.5	2.5	2.1	2.4	2.4	2.4	2.2	2.3	2.2	2.3	2.2	2.5	3.1	3.0	3.4	2.8	3.0
TEMPERATURE																								
MEAN	12.1	12.0	11.8	11.6	11.2	11.9	13.0	14.3	15.1	15.8	16.2	16.4	16.1	16.2	15.8	15.5	15.0	14.2	13.7	13.4	13.0	12.8	12.6	12.4
SIGMA	2.0	2.0	2.1	2.2	2.1	2.0	2.2	3.2	3.8	4.0	4.5	4.6	4.2	4.7	4.1	4.1	3.7	3.2	3.0	2.7	2.2	2.0	1.9	2.0
HUMIDITY																								
MEAN	69.1	70.9	70.9	72.0	74.5	72.0	67.1	62.7	60.7	57.6	53.6	52.3	53.6	50.4	53.0	56.2	57.9	63.4	65.6	67.6	68.0	68.4	68.1	69.6
SIGMA	30.4	29.5	30.2	30.3	29.4	29.7	29.6	29.5	29.4	28.7	28.0	29.3	27.7	27.5	29.8	29.6	29.5	29.7	28.4	29.7	30.1	30.0	30.0	29.9
LAPSE RATE																								
MEAN	1.5	1.1	1.4	1.2	1.0	-0.7	-1.7	-2.2	-2.5	-2.9	-3.0	-3.3	-3.1	-2.9	-2.5	-2.1	-1.5	-1.0	0.3	1.1	1.3	2.0	1.1	1.6
SIGMA	3.6	3.1	3.5	3.3	3.2	1.4	0.6	0.7	0.8	0.9	0.9	0.9	1.2	1.1	1.4	0.8	0.9	0.7	2.0	3.1	3.8	4.5	3.1	3.6
STABIL. RATIO																								
MEAN	0.2	0.2	0.2	0.2	0.1	-0.5	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.6	-0.5	-0.6	-0.4	-0.3	-0.2	0.1	-0.1	0.4	-0.0	0.6	0.6
SIGMA	1.1	1.0	0.8	0.8	1.4	0.4	0.6	0.7	0.8	0.5	0.6	0.8	0.5	0.4	0.6	0.4	0.4	0.2	1.0	0.5	1.9	0.8	1.7	1.8
RADIATION																								
MEAN	-2.1	-2.0	-2.2	-2.3	-1.5	-0.2	18.2	25.8	31.6	37.7	43.2	46.5	41.6	35.4	26.1	19.0	10.7	-1.5	-2.6	-2.5	-2.2	-2.2	-2.3	-2.3
SIGMA	1.7	1.8	1.8	2.0	2.0	1.6	1.1	11.9	16.5	18.9	18.0	20.9	21.7	20.2	17.2	15.1	11.9	6.9	1.5	2.0	2.1	1.9	1.7	1.8

TABLE 6.2- 5D. FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK					
A	20			2		4	1		1	4	3	2			1	1	1						
A-B	79	2	2	8	7	12	4	11	4	2	5	5	8	7	2	2							
B	69		7	12	7	6	5	7	9	2	3	1	3	2	3	2							
B-C	18		3	1	2				5	1					3	3							
C	40	2	17	7	1			1	10						2								
C-D	17		9					1	5						2								
D1	93	8	51	12	2	3	2	3	2	2	5	1			1		1						
D2	237	39	85	27	2	1	2	3	2	2	3	4	12	18	25	7	5						
E	20	1	7	5				2	2						1	1	2	1					
F	13	2	5												3	1	1	2					
G	131	5	11	9	5	1	1	4	2	9	6	8	11	27	19	6	7						
LACK	7																						

TOKAI-40 5 / 1981

TABLE 6.2- SE FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	72																			
0.5-0.9		4	4	6	4	2	1	4	2	3	7	4	11	22	13	6	5	0	72	
1.0-1.9		7	19	45	11	13	6	7	6	8	8	11	16	22	23	7	5		98	
2.0-2.9		12	35	25	6	10	5	10	8	1	1	4	4	5	8	5	3		214	
3.0-3.9		12	51	8	3	2	1	4	13	1	1			1	3	3			142	
4.0-4.9		7	36						13						3				103	
5.0-5.9		7	28					1	8						2				54	
6.0-6.9		1	6						2										37	
7.0-7.9		2	3																7	
8.0-8.9		1	2																5	
9.0-9.9		2	2																3	
10.0-																			2	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	72	53	186	84	24	27	13	26	39	13	17	19	31	50	49	21	13	7	744	
20M																				
-0.4	41																			
0.5-0.9		3	1	15	18	5	5	3	3	1	3	3	2	9	10	2	3	0	41	
1.0-1.9		5	16	39	5	10	5	2	6	4	9	5	12	21	28	9	8		48	
2.0-2.9		4	27	18	3	5	2	10	3	7	8	6	13	18	7	5	2		173	
3.0-3.9		9	28	18	3	3		9	8	1	1	1	5	7	9	3	2		169	
4.0-4.9		8	35	7				4	11	1	1	2	3	2	4	1			108	
5.0-5.9		6	38	2	1			4	4						4				80	
6.0-6.9		4	28					1	4						1				53	
7.0-7.9		2	15						2										34	
8.0-8.9		2	3																17	
9.0-9.9		1	2																5	
10.0-		1	5																3	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	41	42	200	82	27	28	12	29	37	14	21	17	35	57	59	20	16	7	744	
40M																				
-0.4	16																			
0.5-0.9		2	4	7	5	1	2	1	2	2	2	2	1	2	3	3	0		16	
1.0-1.9		1	7	20	7	11	7	9	4	8	3	2	6	13	8	5	4		23	
2.0-2.9		4	17	20	4	3	7	7	2	7	4	7	5	15	19	10	4		81	
3.0-3.9		3	22	22	4	3	7	2	2	3	4	7	5	14	14	3	2		162	
4.0-4.9		7	26	22	3	1	2	6	3	2	2	2	2	5	7	1	3		122	
5.0-5.9		6	23	5				3	3	1	1	1	2	5	4	3	1		100	
6.0-6.9		9	38	1	1			13	3	1	1	1	2	5	4	2	1		68	
7.0-7.9		1	24	2				5	3			3	1	3	2	2	1		70	
8.0-8.9		3	22					2	1						3	1			35	
9.0-9.9		2	12																29	
10.0-		3	14																14	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	16	39	207	83	20	23	25	45	20	17	20	29	29	57	64	28	15	7	744	

TOKAI-40 6 / 1981

TABLE 6.2-6A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	12.9	90.6	0.5	198.3	-10.8	1.9	2.5	3.3
2	14.0	78.8	0.0	490.9	-23.4	1.1	1.3	2.0
3	15.6	70.1	0.5	541.3	-24.9	2.1	2.6	3.4
4	15.6	75.9	0.0	358.2	-22.2	1.5	1.9	2.7
5	16.5	77.5	3.5	481.2	-17.4	1.6	2.1	3.0
6	16.2	82.9	2.0	456.0	-18.6	2.2	2.8	3.6
7	16.6	82.1	0.0	341.4	-6.0	1.5	2.0	2.8
8	17.9	77.8	0.0	383.4	-21.6	1.8	2.2	3.2
9	20.3	75.2	0.0	261.0	-16.8	1.1	1.6	2.8
10	15.9	85.8	0.0	233.4	-16.2	1.6	2.2	3.0
11	15.3	89.5	7.0	202.5	2.4	2.5	3.2	4.3
12	17.7	92.7	19.0	87.6	-5.4	1.3	1.9	2.8
13	16.5	89.2	3.0	123.0	-2.4	2.1	2.9	4.1
14	14.9	92.2	5.0	52.8	-0.6	1.0	1.4	2.3
15	16.2	91.1	9.5	96.9	-7.8	1.1	1.5	2.5
16	15.2	88.5	0.0	510.6	-6.6	1.6	2.2	2.9
17	18.0	83.4	0.0	341.4	-6.5	1.4	1.8	2.7
18	18.1	85.5	5.0	187.2	-9.6	2.0	2.7	3.6
19	12.4	82.0	0.0	258.6	-15.6	4.2	5.4	6.9
20	11.5	84.3	0.0	165.0	-6.0	2.1	2.8	3.8
21	12.0	84.8	0.0	156.0	0.0	3.1	4.0	5.1
22	13.3	92.8	14.0	123.6	-2.4	1.3	1.9	2.7
23	17.1	90.4	2.0	227.8	-12.0	1.1	1.7	2.6
24	17.3	74.0	0.0	271.2	-14.4	0.8	1.0	1.6
25	18.8	75.7	0.5	178.8	-6.0	1.3	1.9	2.9
26	17.0	90.6	3.5	283.8	-0.8	1.8	2.3	3.1
27	15.3	92.8	7.0	75.9	-2.4	1.9	2.5	3.6
28	16.7	92.7	1.0	156.6	-1.2	1.4	1.7	2.5
29	17.1	90.4	0.0	259.9	-1.8	1.6	2.0	2.6
30	16.9	88.0	0.0	339.6	-4.8	2.1	2.7	3.6
MONTH	16.0	84.9	83.0	263.0	-9.6	1.7	2.3	3.2
LACK	13	13	4	11	2	13	13	13

TABLE 6.2-6B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

DAILY	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	3.8	29.7	16.8	9.6	3.5	3.1	3.5	4.4	2.0	1.8	1.3	1.8	2.1	1.6	0.7	1.0
20M	10.9	3.7	30.4	16.1	9.3	3.4	3.0	3.3	2.5	1.6	2.3	1.8	2.7	2.5	0.6	1.0
40M	3.7	5.1	33.2	16.4	7.2	3.5	3.3	3.7	1.8	2.5	2.4	1.8	3.5	2.7	1.4	1.4

TOKAI-40 6 / 1981

TABLE 6.2-6C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=10M																								
MEAN	1.1	1.3	1.1	1.3	1.6	1.5	1.6	1.8	1.9	2.1	2.1	2.3	2.2	2.3	2.3	1.9	1.9	1.7	1.9	1.9	1.7	1.5	1.3	1.2
SIGMA	1.0	1.0	1.0	1.3	1.3	1.2	1.0	1.1	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.1	1.4	1.2	1.4	1.4	1.4	1.0	1.2	1.0
H=20M																								
MEAN	1.6	1.8	1.7	1.9	2.2	2.1	2.1	2.3	2.4	2.6	2.6	2.7	2.7	2.8	2.8	2.4	2.5	2.3	2.7	2.6	2.5	2.2	1.9	1.8
SIGMA	1.3	1.3	1.2	1.7	1.7	1.5	1.2	1.4	1.7	1.7	1.6	1.4	1.4	1.6	1.7	1.4	1.8	1.5	1.6	1.9	1.7	1.2	1.5	1.3
H=40M																								
MEAN	2.6	2.7	2.6	2.8	3.2	2.9	2.9	3.1	3.0	3.3	3.3	3.5	3.4	3.6	3.7	3.2	3.4	3.4	3.8	3.7	3.5	3.3	3.0	2.8
SIGMA	1.6	1.5	1.4	1.9	1.9	1.8	1.3	1.7	2.1	2.1	2.1	1.7	1.6	1.9	2.1	1.8	2.3	1.8	1.9	2.3	2.1	1.5	1.7	1.4
TEMPERATURE																								
MEAN	15.3	15.0	15.0	15.2	14.9	14.9	15.4	15.8	16.5	16.8	17.2	17.2	17.4	17.7	17.3	17.0	16.3	16.0	15.8	15.6	15.6	15.4	15.5	15.5
SIGMA	2.1	2.1	2.1	2.1	2.2	2.0	2.2	2.3	2.5	2.7	2.6	2.8	3.0	3.3	2.9	3.0	2.5	2.5	2.5	2.3	2.1	2.0	2.1	2.0
HUMIDITY																								
MEAN	89.2	89.2	89.4	88.9	88.9	89.0	88.3	85.4	83.1	81.3	79.9	79.9	80.1	77.6	78.0	79.7	82.1	84.3	85.5	86.2	86.8	87.6	87.7	88.1
SIGMA	4.3	4.8	4.9	4.6	4.4	5.3	6.1	8.9	9.1	11.6	11.3	12.0	12.0	12.7	11.9	11.0	8.2	7.5	6.3	6.6	5.7	5.3	5.2	5.1
LAPSE RATE																								
MEAN	-0.0	0.1	-0.2	-0.2	-0.3	-0.9	-1.4	-1.7	-2.2	-2.2	-2.3	-2.7	-2.7	-2.6	-2.5	-2.3	-1.7	-0.9	-0.4	-0.2	0.0	0.1	0.3	-0.0
SIGMA	1.8	1.9	1.5	1.4	1.6	0.9	0.6	0.7	0.9	0.8	1.4	1.1	1.0	1.2	0.8	0.7	1.1	1.8	2.1	2.4	2.1	2.3	2.8	1.9
STABIL. RATIO																								
MEAN	-0.3	-0.3	-0.2	-0.1	-0.2	-0.3	-0.5	-0.6	-0.8	-0.7	-0.8	-0.7	-0.6	-0.6	-0.5	-0.9	-0.7	-0.5	-0.3	-0.2	-0.2	-0.2	-0.3	-0.3
SIGMA	0.4	0.4	0.6	0.3	0.3	0.5	0.5	0.5	0.6	0.8	0.7	0.6	0.3	0.5	0.3	0.5	0.5	0.6	0.5	0.3	0.5	0.4	0.3	0.6
RADIATION																								
MEAN	-0.8	-0.8	-0.7	-0.7	-0.2	0.0	10.5	17.2	23.1	25.8	30.8	32.7	34.2	33.8	24.4	18.0	9.0	3.4	-1.2	-1.3	-1.1	-1.0	-1.0	-0.8
SIGMA	0.9	1.1	1.1	1.0	0.5	0.0	6.7	11.8	15.0	17.3	19.9	21.8	20.8	18.3	13.8	11.5	5.3	2.0	1.4	1.7	1.1	1.0	1.1	0.8

TABLE 6.2-6D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	
A	5			1	3	1													
A-B	62	2	8	18	11	9	7	1	1	1	2	1	2	1	2	2			
B	67	1	5	18	11	5	7	6	5	5	3	2	3	1	1				
B-C	12		7	2	1			1	1										
C	45	3	23	9	1			1	1	6	1								
C-D	9		6																
D1	149	5	44	33	21	10	5	9	12	3	1	1	4	1	3	1			
D2	296	19	115	43	21	3	3	8	12	9	8	14	13	13	4	8			
E	5		4	1															
F	5		3																
G	52	2	6			1	2	4	7	7	2	5	6	4	1				
LACK	13																		

TOKAI-40 6 / 1981

TABLE 6.2- 5E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	93	7	12	22	14	7	7	5	5	9	7	5	5	4	6	4	5	0	93	
1.0-1.9		5	48	50	41	14	10	12	8	4	5	4	8	10	5	1	2		124	
2.0-2.9		9	68	34	11	4	5	6	7	1	1								227	
3.0-3.9		2	56	11	2			2	3				1						147	
4.0-4.9		4	15	2					4										76	
5.0-5.9			8						4										25	
6.0-6.9			3																12	
7.0-7.9																			3	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
TOTL	93	27	210	119	68	25	22	25	31	14	13	9	13	15	11	5	7	13	720	
20M																				
-0.4																				
0.5-0.9	77	5	5	8	10	2	6	3	4	2	1	3	1	1	7	2	1	0	77	
1.0-1.9		6	30	30	22	16	7	9	5	15	4	9	10	7	10	1	5		60	
2.0-2.9		4	51	37	29	6	8	15	5	1	5	2	3	9	1	1	1		186	
3.0-3.9		6	63	29	2			3	3		1	2							178	
4.0-4.9		1	38	9	3			3	3					2					111	
5.0-5.9		3	15	1				2	4										54	
6.0-6.9		1							2										25	
7.0-7.9																			9	
8.0-8.9																			5	
9.0-9.9																			2	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
TOTL	77	26	215	114	66	24	21	35	23	18	11	16	13	19	18	4	7	13	720	
40M																				
-0.4																				
0.5-0.9	26		4	5	6	4	4	2	2		1	2	4	1	3	1	3	0	26	
1.0-1.9		12	14	20	11	14	11	5	5	2	6	4	4	3	6	7	2		34	
2.0-2.9		6	36	28	21	4	8	9	8	5	6	5	6	11	7	2	3		126	
3.0-3.9		2	48	33	8	2	4	10	7	6	4	2	3	8	2	2			165	
4.0-4.9		7	54	19	5	1		9	3		4	2	2	2	1				141	
5.0-5.9		5	42	9				1	1										103	
6.0-6.9		2	18	2				4											60	
7.0-7.9		2	7					3	1										26	
8.0-8.9			5					1											13	
9.0-9.9			4					3											6	
10.0-			3					1											4	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
TOTL	26	36	235	116	51	25	23	44	26	13	18	17	13	25	19	10	10	13	720	

TOKAI-40 7 / 1981

TABLE 6.2-7A DAILY AVERAGES

DATE	AIR TEMP. C-DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	17.3	**	**	**	**	1.2	1.5	2.0
2	19.2	**	**	**	**	1.1	1.6	2.6
3	16.0	**	**	**	**	3.6	4.7	6.2
4	18.2	**	**	**	**	2.7	3.4	4.4
5	19.9	**	**	**	**	1.7	2.1	3.0
6	22.3	**	**	**	**	1.0	1.5	2.5
7	23.8	**	**	**	**	1.3	1.8	2.8
8	23.4	**	**	**	**	1.1	1.5	2.2
9	25.7	77.5	0.0	425.4	-27.6	2.2	3.1	4.3
10	28.0	69.1	0.0	468.6	-31.8	3.2	4.6	6.6
11	27.4	71.4	0.0	472.8	-24.0	1.9	2.9	4.5
12	26.7	74.6	0.0	448.8	-21.0	1.9	2.6	4.0
13	25.1	84.8	5.5	340.8	-13.8	1.0	1.2	2.2
14	22.3	90.8	1.5	409.8	-7.8	1.5	1.9	2.6
15	22.4	91.6	1.5	418.2	-11.4	1.2	1.4	2.2
16	22.8	89.9	0.0	469.2	-16.2	0.9	1.1	1.8
17	25.1	86.8	0.0	387.0	-15.6	1.0	1.3	1.8
18	25.8	82.3	1.5	397.2	-19.2	1.3	1.7	2.7
19	25.0	87.4	0.0	376.2	-16.8	1.1	1.5	2.2
20	25.6	89.5	2.0	348.0	-8.4	1.3	1.6	2.5
21	24.5	88.5	0.0	334.2	-17.4	1.6	2.0	3.1
22	21.8	90.5	10.0	293.4	-11.4	2.0	2.5	3.6
23	19.6	86.8	3.0	352.8	-13.8	1.7	2.3	3.1
24	21.9	84.0	0.0	391.2	-13.8	1.3	1.7	2.6
25	22.1	86.8	0.0	472.8	-25.8	2.4	3.0	3.9
26	21.3	87.8	0.0	495.6	-11.4	1.3	1.6	2.2
27	20.7	91.1	0.0	339.6	-9.0	2.3	3.0	3.7
28	21.8	89.6	0.0	459.0	-4.2	1.3	1.5	2.0
29	24.7	89.1	0.0	486.0	-19.8	1.1	1.3	1.9
30	24.6	90.5	1.0	357.6	-5.4	1.4	1.7	2.5
31	25.4	85.2	0.0	418.4	-22.8	1.9	2.5	3.6
MONTH	22.9	85.5	26.0	407.3	-16.0	1.6	2.1	3.1
LACK	3	195	192	91	104	3	3	3

TABLE 6.2-7B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	18.1	4.0	15.7	9.6	5.3	5.0	4.6	5.8	7.4	3.4	9.0	3.2	2.4	2.4	3.0	0.4	0.7
20M	15.1	2.7	17.9	8.5	5.1	4.9	4.0	7.2	6.1	3.6	9.6	3.9	3.6	3.2	3.2	0.5	0.7
40M	5.9	3.9	18.9	8.2	4.9	4.2	5.1	10.0	3.5	5.4	11.6	2.7	3.4	5.4	4.0	1.5	1.3

TOKAI-40 7 / 1981

TABLE 6.2-7C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(CHR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
WIND SPD																									
H=																									
10M																									
MEAN	1.0	1.0	0.8	0.8	1.0	1.0	1.3	1.6	1.8	2.1	2.4	2.6	2.6	2.6	2.6	2.6	2.2	1.9	1.6	1.4	1.2	1.1	1.1	0.9	0.9
SIGMA	1.0	0.9	0.9	1.1	1.0	0.9	1.1	1.2	1.0	0.9	0.9	0.8	1.0	1.2	1.2	1.3	1.4	1.1	1.2	1.0	0.9	0.9	0.8	0.8	0.9
20M																									
MEAN	1.4	1.6	1.3	1.2	1.4	1.4	1.7	2.0	2.2	2.5	2.9	3.1	3.1	3.3	3.2	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.6	1.4	1.4
SIGMA	1.3	1.3	1.2	1.4	1.3	1.3	1.4	1.5	1.3	1.3	1.4	1.2	1.4	1.6	1.6	1.8	1.9	1.6	1.7	1.3	1.3	1.3	1.1	1.2	1.2
40M																									
MEAN	2.5	2.6	2.2	2.2	2.5	2.2	2.3	2.6	2.8	3.1	3.6	3.9	3.9	4.3	4.2	4.4	4.0	3.7	3.5	2.8	2.9	2.5	2.7	2.5	2.5
SIGMA	1.5	1.5	1.5	1.8	1.5	1.6	1.8	2.0	1.8	1.9	2.1	1.7	1.9	2.1	2.1	2.4	2.4	2.1	2.0	1.7	1.6	1.6	1.2	1.4	1.4
TEMPERA-																									
TURE																									
MEAN	21.4	21.5	21.4	21.0	20.9	21.5	22.4	23.4	24.1	24.6	25.1	25.3	25.0	24.9	24.5	23.8	23.3	23.0	22.6	22.3	22.2	22.1	21.8	21.7	21.7
SIGMA	2.5	2.7	2.7	2.6	2.7	2.9	3.3	3.8	3.8	4.0	4.1	4.2	3.8	3.9	3.8	3.6	3.8	3.4	3.2	2.9	2.6	2.6	2.5	2.5	2.5
HUMIDITY																									
MEAN	91.7	92.2	92.4	92.7	92.6	91.3	87.8	83.2	79.5	77.5	75.3	74.7	76.5	76.1	78.0	81.1	83.4	85.7	87.4	88.9	89.9	90.1	91.0	91.6	91.6
SIGMA	3.8	3.4	3.6	3.4	3.4	4.2	6.8	9.5	8.5	9.4	10.1	10.6	11.1	11.2	9.9	10.2	11.8	9.7	8.9	7.5	5.6	4.8	4.8	4.2	4.2
LAPSE																									
RATE																									
MEAN	0.2	0.1	0.1	0.4	0.1	0.4	0.1	-0.7	-1.3	-1.9	-2.4	-2.7	-2.9	-3.3	-2.9	-2.6	-2.7	-2.1	-1.5	-0.8	-0.4	0.0	0.2	-0.0	0.4
SIGMA	1.4	1.1	1.2	1.6	1.4	1.3	1.1	0.8	0.8	1.1	0.7	0.8	1.0	1.4	1.1	1.3	1.4	1.8	1.7	1.3	1.5	1.7	1.1	1.5	1.5
STABIL.																									
RATIO																									
MEAN	-0.1	0.1	-0.2	**	-0.2	-0.6	-0.5	-0.7	-0.9	-0.8	-0.7	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.2	-0.1	-0.2	0.1	-0.2	-0.1	-0.2	-0.2
SIGMA	0.5	0.6	0.5	**	0.5	0.6	0.7	0.6	0.7	0.6	0.4	0.4	0.5	0.5	0.4	0.6	0.8	1.4	0.8	0.6	1.1	0.5	0.3	0.3	0.3
RADIA-																									
TION																									
MEAN	-1.6	-1.4	-1.3	-1.1	-0.2	0.0	18.5	28.3	39.6	48.3	56.7	60.4	47.4	42.7	31.3	20.2	12.5	-0.3	-1.7	-1.7	-1.8	-1.7	-1.5	-1.6	-1.6
SIGMA	0.9	0.9	0.9	1.0	0.3	0.0	8.4	10.2	12.9	12.1	9.8	8.9	15.2	15.4	14.5	12.8	9.6	0.5	1.1	1.0	1.0	1.0	1.0	1.1	1.0

TABLE 6.2-7D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	MNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	22				6	3	4	6	2				1					
A-B	67		2	7	15	9	7	10	5	1	1	1	5	2	1	1		
B	78	1	16	9	8	4	6	13	8	1	9	3	1					
B-C	18								8		7							
C	28		7	4	1			2	7		7							
C-D	6								1		2							
D1	31		1	7	3	4		3	1	2	4	2		2	2			
D2	195	11	32	20	3	5	7	9	10	11	18	7	12	16	21	8	5	
E	14		3	1				1	1	1	7			1				
F	1		1															
G	89	6	5	4	3	3	15	13	9	11	15	14	5	6	8	2	4	
LACK	195	16	47	23	8	15	13	9	11	15	14	5	6	6	8	2	2	3

TOKAI-40 7 / 1981

TABLE 6.2-7E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	MNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL
-0.4	134																	
0.5-0.9	8	7	18	4	7	4	3	6	7	10	9	6	5	8	2	3	0	134
1.0-1.9	11	25	30	22	21	19	14	13	16	13	12	12	13	13	1	2		107
2.0-2.9	2	33	23	13	9	11	23	12	1	13	3							237
3.0-3.9	8	37					3	19	1	19				1				144
4.0-4.9	1	13						4		8								87
5.0-5.9		1						1		3								26
6.0-6.9										1								5
7.0-7.9																		1
8.0-8.9																		0
9.0-9.9																		0
10.0-																		0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	134	30	116	71	39	37	34	43	25	67	24	18	18	22	3	5	3	744
20M																		
-0.4	112																	
0.5-0.9	5	6	6	6	3	2		3	6	5	7	5	4	4	3	2	0	112
1.0-1.9	7	21	22	16	23	14	15	10	6	15	5	16	15	14	1	2		67
2.0-2.9	3	25	20	14	9	14	21	7	12	11	10	6	5	6				202
3.0-3.9	3	37	13	2	1		12	11	1	10	5				1			164
4.0-4.9	2	27	2				5	10	2	6	1							95
5.0-5.9		15						3		14	1							55
6.0-6.9		2						1		6								33
7.0-7.9										2								9
8.0-8.9										2								2
9.0-9.9										2								2
10.0-																		0
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	112	20	133	63	38	36	30	45	27	71	29	27	24	24	4	5	3	744
40M																		
-0.4	44																	
0.5-0.9	1	1	3	3	3		1	2	3	5	2	1	3	3	2	3	0	44
1.0-1.9	7	13	16	8	11	6	4	2	7	11	6	9	12	11	6	5		36
2.0-2.9	4	28	13	16	14	24	16	7	8	11	6	12	23	10	2	1		134
3.0-3.9	9	27	15	8	2	8	18	5	11	12	5	3	2	3	1			195
4.0-4.9	1	26	12	1	1		16	6	2	12	1			3	1			130
5.0-5.9	7	21	1				12	3	2	13				3				81
6.0-6.9		15	1				5	1	3	5								59
7.0-7.9		7					2	1	2	9								28
8.0-8.9		2							2	3								20
9.0-9.9									2	4								7
10.0-										3								4
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
TOTL	44	29	140	61	36	31	38	26	40	86	20	25	40	30	11	10	3	744

TOKAI-40 8 / 1981

TABLE 6.2-8A DAILY AVERAGES

DATE	AIR TEMP. C.DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		WIND		WIND	
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S	SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	25.8	83.0	0.0	478.2	-22.2	1.9	2.7	4.0	1.9	2.7	4.0
2	25.3	85.0	0.0	453.6	-24.0	2.0	2.6	3.7	2.0	2.6	3.7
3	24.7	80.9	0.0	463.8	-25.8	1.0	1.2	1.8	1.0	1.2	1.8
4	23.4	81.2	0.0	511.2	-33.6	2.0	2.5	3.8	2.0	2.5	3.8
5	24.1	70.4	0.5	432.0	-36.0	1.4	1.8	3.1	1.4	1.8	3.1
6	21.3	65.1	0.0	439.2	-40.8	1.4	2.0	2.9	1.4	2.0	2.9
7	22.7	74.8	0.0	277.8	-17.4	1.9	2.5	3.4	1.9	2.5	3.4
8	21.7	85.5	0.5	218.4	-18.0	0.7	0.8	1.3	0.7	0.8	1.3
9	21.5	88.1	0.0	328.8	-19.2	1.3	1.6	2.3	1.3	1.6	2.3
10	23.3	85.4	0.0	302.7	-16.8	1.1	1.6	2.4	1.1	1.6	2.4
11	24.6	86.1	0.0	366.6	-7.8	1.1	1.3	1.9	1.1	1.3	1.9
12	25.6	84.7	3.5	152.4	-9.6	1.4	2.1	3.3	1.4	2.1	3.3
13	23.7	77.1	2.5	383.4	-20.4	2.5	3.2	4.3	2.5	3.2	4.3
14	23.0	74.9	1.0	225.0	-13.8	2.4	3.0	4.0	2.4	3.0	4.0
15	22.3	81.2	1.5	457.2	-27.6	2.8	3.6	4.6	2.8	3.6	4.6
16	22.1	73.8	0.0	518.4	-46.2	2.6	3.3	4.6	2.6	3.3	4.6
17	21.9	71.4	0.0	457.2	-43.8	2.5	3.2	4.0	2.5	3.2	4.0
18	22.2	78.5	0.0	380.4	-17.4	1.4	1.8	2.6	1.4	1.8	2.6
19	25.2	82.6	0.0	216.0	-13.2	0.7	0.9	1.5	0.7	0.9	1.5
20	23.7	75.7	0.0	462.0	-16.9	2.5	3.1	4.1	2.5	3.1	4.1
21	23.1	87.1	0.5	219.6	-3.0	2.7	3.4	4.3	2.7	3.4	4.3
22	23.5	91.0	29.5	146.4	-42.6	2.5	3.5	5.3	2.5	3.5	5.3
23	25.2	78.2	44.0	246.0	-71.4	3.2	4.8	7.1	3.2	4.8	7.1
24	23.1	72.0	0.0	497.4	-37.2	1.3	1.6	2.3	1.3	1.6	2.3
25	22.3	82.8	0.5	439.2	-19.2	1.0	1.1	1.8	1.0	1.1	1.8
26	27.9	76.0	0.0	328.2	-22.2	3.4	4.9	6.8	3.4	4.9	6.8
27	27.6	69.8	0.0	385.8	-22.8	3.6	5.1	7.0	3.6	5.1	7.0
28	20.7	89.1	27.5	88.2	-13.2	1.9	2.4	3.4	1.9	2.4	3.4
29	23.0	86.1	0.0	285.6	-16.2	0.8	1.1	2.0	0.8	1.1	2.0
30	27.6	75.2	0.0	471.0	-23.4	2.3	3.5	5.3	2.3	3.5	5.3
31	24.8	80.1	0.0	478.2	-24.0	2.0	2.6	3.5	2.0	2.6	3.5
MONTH	23.8	79.8	111.5	357.8	-24.7	1.9	2.5	3.6	1.9	2.5	3.6
LACK	10	10	6	8	2	10	10	10	10	10	10

TABLE 6.2-8B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	19.9	5.7	22.1	7.5	4.4	3.8	3.3	4.9	6.5	3.1	6.4	2.0	3.0	2.3	2.9	1.0	1.2
20M	14.6	5.6	22.3	8.3	4.2	3.1	3.4	6.0	5.7	2.7	8.0	3.1	3.8	3.4	3.4	1.1	1.1
40M	5.7	5.9	22.2	8.3	4.1	3.4	4.4	9.7	3.0	5.0	6.8	3.8	4.0	3.8	5.2	3.3	1.5

TOKAI-40 8 / 1981

TABLE 6.2- 8C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.1	1.0	1.3	1.3	1.5	1.4	1.7	2.0	2.3	2.6	2.7	2.7	2.9	3.0	2.8	2.9	2.5	2.0	1.7	1.4	1.5	1.3	1.2	1.1
SIGMA	1.2	1.3	1.4	1.2	1.6	1.3	1.5	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.0	1.5	1.3	1.2	1.4	1.2	1.4	1.3	1.2	1.2
20M																								
MEAN	1.6	1.5	1.9	2.0	2.2	2.0	2.3	2.6	3.0	3.2	3.3	3.3	3.7	3.8	3.5	3.7	3.1	2.6	2.4	2.1	2.0	1.9	1.8	1.6
SIGMA	1.7	1.7	1.8	1.7	2.2	1.7	2.0	1.7	1.9	1.6	1.6	1.6	1.6	1.7	1.4	1.8	1.7	1.6	1.7	1.6	1.8	1.6	1.6	1.6
40M																								
MEAN	2.8	2.7	3.1	3.2	3.5	3.1	3.1	3.5	4.0	4.1	4.1	4.3	4.7	4.8	4.5	4.9	4.4	3.9	3.5	3.3	3.1	3.0	3.1	2.8
SIGMA	2.3	2.2	2.6	2.5	3.0	2.3	2.5	2.3	2.6	2.2	2.1	2.2	2.3	2.4	2.0	2.3	2.3	2.1	2.2	1.9	2.1	2.0	2.1	2.1
TEMPERA-TURE																								
MEAN	21.8	21.6	21.7	21.5	21.4	21.8	23.2	24.5	25.3	25.8	26.1	26.5	26.6	26.7	26.4	25.7	24.8	23.9	23.3	23.0	22.7	22.5	22.3	22.0
SIGMA	1.9	1.9	2.0	2.1	2.2	2.0	2.1	2.4	2.7	2.8	2.7	2.5	2.9	2.9	2.9	2.7	2.3	2.2	2.0	1.8	1.5	1.5	1.8	1.9
HUMIDITY																								
MEAN	87.3	87.5	87.6	88.1	88.0	87.2	83.0	77.7	73.0	68.9	70.6	68.9	68.3	67.5	69.4	71.4	75.4	80.1	83.4	84.9	85.6	85.2	86.3	86.9
SIGMA	6.3	5.9	5.8	5.7	5.9	7.2	8.9	10.5	11.6	16.7	10.9	10.4	10.8	11.2	10.5	11.0	11.0	9.5	7.3	6.2	6.1	6.0	5.3	6.0
LAPSE																								
RATE																								
MEAN	0.1	0.5	0.1	0.3	0.1	-0.9	-2.4	-3.5	-4.3	-4.8	-5.0	-5.3	-5.4	-5.3	-4.9	-4.0	-2.8	-1.6	-1.1	-0.5	-0.6	-0.3	0.2	0.1
SIGMA	1.6	1.9	1.8	2.3	1.7	1.2	0.9	1.5	1.7	2.0	2.2	2.1	1.9	1.9	2.0	1.7	1.1	0.9	1.2	1.8	1.9	1.7	2.2	1.8
STABIL.																								
RATIO																								
MEAN	-0.2	-0.2	-0.2	0.1	0.3	-0.3	-0.6	-1.1	-1.1	-1.0	-0.8	-0.9	-0.7	-0.9	-0.9	-0.7	-0.6	-0.4	-0.4	-0.2	-0.3	-0.1	-0.2	-0.2
SIGMA	0.2	0.4	0.3	1.2	1.1	0.3	0.7	1.2	1.1	0.6	0.5	0.7	0.5	0.8	0.7	0.5	0.5	0.5	0.4	0.5	0.6	0.8	0.3	0.1
RADIA-TION																								
MEAN	-1.8	-1.9	-1.7	-1.8	-1.1	-0.6	15.1	24.5	33.1	38.8	45.8	47.1	45.7	41.7	33.0	22.1	11.9	-1.6	-2.6	-2.6	-2.5	-2.3	-2.1	-2.1
SIGMA	1.5	1.7	1.8	1.6	1.1	3.4	8.1	14.2	16.0	17.1	20.5	17.3	19.5	15.7	14.5	10.0	6.3	1.2	1.3	1.2	1.3	1.6	1.6	1.6

TABLE 6.2- 8D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	11				5	2			1				1	1				
A-B	64		7	6	12	7	5	10	2	2	3	4	3	1	2	1		
B	101		26	17	8	5	7	11	6	5	5	3	8	3	1		1	
B-C	25	1	6	2				2	5	4	5							
C	53	2	25	5	1			3	4	2	10	1						
C-D	20		3	1					6	2	8							
D1	59	3	17	5	1	5	5	2	7	2	4	1	2	1	3		1	
D2	210	22	50	6	2	7	5	7	17	10	15	11	14	20	15	7	2	
E	31	3	13	1	1	2			3	1	3	3			1			
F	16	5	7	1	1		1										1	
G	144	9	10	15	4	5	6	7	7	6	12	7	10	15	19	6	6	
LACK	10																	10

TOKAI-40 8 / 1981

TABLE 6.2- 8E . FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	4	3	4	4	2	6	7	7	2	4	4	4	12	8	11	4	5	0	146	
1.0-1.9	12	21	16	10	10	12	7	10	16	6	3	6	8	8	8	3	3	0	87	
2.0-2.9	21	70	16	13	6	10	12	7	2	8	4	4	1	1	2	1	1	0	149	
3.0-3.9	4	51	17	6	2	6	10	7	10	7	17	1						0	174	
4.0-4.9	1	13	2	1			9	4	9	4	8	1						0	121	
5.0-5.9		4				1	2	1	2	2	7							0	39	
6.0-6.9							2											0	14	
7.0-7.9						1												0	3	
8.0-8.9						1												0	0	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
TOTL	146	42	162	55	32	28	24	36	48	23	47	15	22	17	21	7	9	10	744	
20M																				
-0.4																				
0.5-0.9	1	1	12	9	4	3	3	3	3	2	3	6	7	5	11	3	4	0	107	
1.0-1.9	10	9	12	9	10	12	15	4	4	9	7	8	12	14	10	2	4	0	57	
2.0-2.9	12	33	14	9	3	8	12	11	2	2	3	2	7	5	3	3	4	0	147	
3.0-3.9	15	73	18	8	3	2	7	7	2	4	4	5	1	1	1	3	4	0	127	
4.0-4.9	2	32	14	2		4	4	5	2	14	1	1						0	149	
5.0-5.9	1	11	2	2	1		2	9	2	12	1	1						0	74	
6.0-6.9		5		1		1	3	2	2	11	1							0	40	
7.0-7.9							2			3								0	22	
8.0-8.9							3			2								0	5	
9.0-9.9							2			1			1					0	3	
10.0-							1											0	2	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
TOTL	107	41	164	61	31	23	25	44	42	20	59	23	28	25	25	8	8	10	744	
40M																				
-0.4																				
0.5-0.9																				
1.0-1.9	4	5	4	4	2	1	1	3	1	4	1	2	5	3	2	2	1	0	42	
2.0-2.9	4	15	14	3	6	4	9	13	6	7	7	8	7	10	15	11	3	0	25	
3.0-3.9	11	33	12	5	3	10	15	7	2	4	5	10	10	9	12	6	5	0	115	
4.0-4.9	16	53	17	1	1	1	14	4	4	3	3	3	3	6	6	4	1	0	136	
5.0-5.9	5	33	6	4	1	1	14	4	4	3	3	3	3	6	2	4	1	0	123	
6.0-6.9	2	14	7	2	2	1	9	1	1	2	7	1			1	1	1	0	118	
7.0-7.9	1	6		1	1	1	5	2	1	7	1							0	71	
8.0-8.9		3		1	1	1	5	7	1	5	5	1						0	43	
9.0-9.9		1		1	1	1	3	2	1	6	2	1						0	25	
10.0-		0	0	1	1	2	1	2	0	2	2	0	1	0	0	0	0	0	8	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
TOTL	42	43	163	61	30	25	32	71	22	37	50	28	29	28	38	24	11	10	744	

TOKAI-40 9 / 1981

TABLE 6.2-9A DAILY AVERAGES

DATE	AIR TEMP. C.-DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	24.1	75.7	0.0	386.4	-24.6	1.9	2.4	3.3
2	23.3	79.5	0.0	315.0	-16.2	2.2	2.7	3.6
3	22.0	85.5	0.0	230.4	-10.2	2.8	3.6	4.7
4	26.2	77.1	29.0	237.6	-18.6	3.9	5.7	7.9
5	21.0	73.7	0.0	216.0	-25.8	2.7	3.6	5.0
6	19.8	71.1	0.0	246.6	-34.2	2.4	3.1	4.5
7	19.0	75.3	0.0	470.4	-43.2	1.9	2.5	3.8
8	19.4	77.9	6.5	297.6	-11.1	1.8	2.3	3.3
9	19.8	82.0	3.0	253.8	-19.2	1.2	1.7	2.6
10	20.0	82.3	4.0	186.0	-18.0	1.4	1.8	2.7
11	19.3	72.4	1.5	238.8	-13.8	2.1	2.9	4.0
12	18.3	87.5	24.5	108.6	-12.0	1.7	2.4	3.5
13	20.2	81.2	8.5	319.2	-13.8	1.4	1.9	2.8
14	19.2	72.1	0.5	324.7	-16.2	1.7	2.3	3.2
15	19.0	65.3	0.0	375.0	-29.4	1.1	1.4	2.5
16	18.0	68.3	0.0	451.2	-56.4	1.7	2.2	3.7
17	17.5	73.8	0.0	456.0	-56.4	1.6	2.0	3.3
18	18.0	75.0	0.0	458.4	-36.6	1.5	1.9	3.2
19	18.8	82.7	1.5	141.0	-16.2	1.6	2.1	3.3
20	19.0	84.2	13.5	88.8	-23.4	2.2	3.0	4.3
21	20.0	71.0	0.0	415.2	-44.4	2.9	3.8	5.1
22	18.3	80.8	0.0	427.8	-35.4	1.2	1.4	2.3
23	19.6	80.9	0.0	384.6	-33.6	1.2	1.6	2.7
24	20.2	79.1	0.0	322.2	-22.8	1.1	1.5	2.7
25	19.6	90.3	22.0	54.6	-13.8	0.6	0.9	1.7
26	20.3	92.0	7.5	66.6	-13.2	1.7	2.1	3.0
27	21.5	83.4	6.5	352.2	-28.2	1.3	2.1	3.1
28	19.8	73.2	0.0	253.2	-48.0	1.1	1.4	3.2
29	15.2	65.0	0.0	243.6	-42.0	0.6	0.9	2.2
30	17.2	75.1	0.5	219.6	-16.8	1.1	1.4	2.4
MONTH	19.8	77.8	129.0	284.9	-26.5	1.7	2.3	3.4
LACK	5	5	1	3	2	5	5	5

TABLE 6.2-9B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	13.3	12.2	20.4	12.9	4.3	1.4	1.0	2.8	1.3	2.1	1.5	0.4	1.8	3.6	13.4	4.8	2.8
20M	10.2	10.3	22.2	13.8	3.9	1.3	1.3	2.7	1.1	2.4	1.8	0.7	1.8	3.5	13.4	5.3	4.2
40M	3.2	9.9	24.9	13.1	3.4	1.3	2.2	2.4	2.2	2.1	1.0	0.7	1.3	3.6	14.0	9.2	5.5

TOKAI-40 9 / 1981

TABLE 6.2- 9C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.0	0.9	1.1	1.1	1.3	1.3	1.6	1.7	2.1	2.1	2.3	2.4	2.4	2.6	2.4	2.2	2.1	2.0	1.8	1.8	1.5	1.3	1.2	1.0
SIGMA	0.6	0.8	0.9	1.1	1.2	1.1	1.3	1.3	1.4	1.1	0.9	1.2	1.1	1.2	1.2	1.0	1.0	1.0	1.1	1.3	1.2	1.1	0.9	0.6
20M																								
MEAN	1.3	1.4	1.6	1.6	1.8	2.0	2.1	2.2	2.7	2.6	2.8	2.9	2.9	3.2	3.1	2.8	2.8	2.8	2.4	2.5	2.1	1.9	1.8	1.3
SIGMA	0.8	1.1	1.2	1.3	1.6	1.5	1.6	1.8	1.9	1.3	1.2	1.7	1.6	1.6	1.6	1.7	1.3	1.2	1.4	1.6	1.6	1.4	1.2	1.0
40M																								
MEAN	2.9	2.8	3.0	3.1	3.5	3.5	3.2	3.0	3.6	3.3	3.5	3.6	3.7	4.1	3.9	3.7	4.0	3.9	3.6	3.7	3.3	3.3	3.0	3.2
SIGMA	1.0	1.5	1.3	1.5	1.7	1.5	2.0	2.2	2.5	1.6	1.4	2.3	2.1	2.1	2.1	2.2	1.7	1.4	1.7	1.8	1.7	1.6	1.5	1.0
TEMPERA-																								
TURE																								
MEAN	17.4	17.2	17.1	17.0	16.9	17.1	18.8	20.4	21.6	22.0	22.4	23.0	22.9	22.6	22.3	21.8	21.0	20.4	20.1	19.7	19.1	18.4	18.1	17.5
SIGMA	2.5	2.8	3.1	3.2	3.3	3.3	2.8	2.7	2.5	2.0	2.0	2.4	2.3	2.3	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.2	2.3	2.3
HUMIDITY																								
MEAN	86.0	86.5	86.6	86.2	85.8	84.9	80.0	73.8	69.6	68.4	67.3	66.5	67.6	69.6	70.8	72.9	76.2	77.9	78.8	79.6	81.2	82.4	82.2	85.4
SIGMA	7.7	6.2	5.5	5.3	4.9	5.8	8.2	10.2	10.8	11.3	10.9	9.9	10.1	10.3	11.4	10.0	9.8	10.4	9.6	8.9	9.5	10.6	12.3	8.5
LAPSE																								
RATE	0.2	0.7	0.9	0.8	0.9	0.9	-1.9	-3.4	-4.3	-4.8	-5.1	-5.4	-5.1	-4.8	-4.4	-3.4	-2.1	-1.3	-1.0	-0.7	-0.5	0.3	0.5	0.1
MEAN	1.9	2.3	2.7	2.7	2.7	2.7	1.3	1.5	1.5	1.9	1.7	1.8	1.8	1.6	1.5	1.4	1.1	1.6	1.5	2.2	1.8	2.3	2.5	1.4
SIGMA																								
STABIL-																								
RATIO																								
MEAN	0.4	0.4	-0.2	-0.3	-0.1	0.1	-0.5	-1.0	-0.9	-1.0	-1.2	-1.1	-1.1	-0.9	-0.9	-0.8	-0.4	-0.4	-0.3	-0.3	-0.2	-0.0	-0.3	-0.0
MEAN	2.4	1.2	0.6	0.3	0.6	0.7	0.5	0.9	0.7	0.7	1.2	0.7	0.7	0.5	0.6	0.5	0.5	0.4	0.3	0.3	0.5	0.6	0.6	0.5
SIGMA																								
RADIA-																								
TION																								
MEAN	-1.9	-1.9	-2.0	-1.8	-1.7	-0.5	-0.0	23.5	30.2	39.2	40.2	42.7	38.8	30.5	25.5	14.6	-1.2	-2.7	-2.5	-2.2	-2.2	-2.0	-2.0	-2.0
MEAN	1.1	1.4	1.2	1.1	1.1	0.9	0.1	14.2	15.0	20.4	18.9	18.4	19.0	15.5	12.6	8.2	1.3	1.6	1.6	1.5	1.4	1.4	1.3	1.3
SIGMA																								

TABLE 6.2- 9D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK
A	14			2	4		2			2	1	1	1			1	1	
A-B	64	2	7	18	8	6	4	2		1	2	1		4	8	3	1	
B	75	2	20	23	10	1		6	2	1	1				3	3	3	
B-C	18		11	7														
C	36	3	20	8				3	1								1	
C-D	3		1	1							1							
D1	57	14	14	8	2	1	1	3		3	3		1		4	1	2	
D2	243	44	47	18	7	2	1	6	2	9	6		9	18	44	15	15	
E	25	7	13	1	1			1	2									
F	13	6	5	1													1	
G	167	13	11	7	1	1	2	5	6	1	2	2	5	14	64	29	6	
LACK	5																	5

TOKAI-40 9 / 1981

TABLE 6.2-9E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	95																			95
0.5-0.9	9	4	5	2	2	2	2	2	1	3	4	1	8	16	65	27	6	0	157	
1.0-1.9	35	15	24	20	6	5	6	4	3	3	2	4	4	9	29	6	10	0	178	
2.0-2.9	28	67	41	9	2		12	4	3	3		1	1	2	1		4	0	174	
3.0-3.9	11	49	20						3	2			1					0	86	
4.0-4.9	4	10	2						1	1								0	19	
5.0-5.9		1							2	2								0	4	
6.0-6.9																		0	0	
7.0-7.9																		0	0	
8.0-8.9																		0	0	
9.0-9.9																		0	0	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
TOTL	95	87	146	92	31	10	7	20	9	15	11	3	13	26	96	34	20	5	720	
COM																				73
-0.4	73																			73
0.5-0.9	6	4	4	1	1	2	1	1	2	3	1	1	2	3	36	22	8	0	92	
1.0-1.9	17	9	16	8	5	5	4	4	1	5	3	4	7	12	55	11	14	0	176	
2.0-2.9	22	29	21	16	4	1	10	5	1	1			3	8	4	5	7	0	136	
3.0-3.9	22	66	43	3		1	4		2	2			2	2	1		1	0	145	
4.0-4.9	6	37	15						4	4	1		1					0	63	
5.0-5.9	1	12	3						1	3			1					0	20	
6.0-6.9		2	1						1	1								0	4	
7.0-7.9																		0	1	
8.0-8.9																		0	3	
9.0-9.9									1	1								0	2	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
TOTL	73	74	159	99	28	9	9	19	8	17	13	5	13	25	96	38	30	5	720	
40M																				23
-0.4	23																			23
0.5-0.9	1	1	1	1	1	1	1	1	1	1	4		1	2	5	1	2	0	17	
1.0-1.9	9	7	3	4	2	2	2	1	3	3			1	2	17	18	8	0	84	
2.0-2.9	8	18	23	10	4	5	2	5	3	1	4	1	3	11	31	26	15	0	165	
3.0-3.9	23	37	26	6	2	7	10	4	1	1		1	3	9	37	16	11	0	193	
4.0-4.9	16	56	23	2	1	1	2	1	1	2			2	8	1	2	1	0	114	
5.0-5.9	6	37	13						1	1			1	2	2	1	1	0	62	
6.0-6.9	6	13	3	1					2	2	1		1	2	2	3		0	33	
7.0-7.9	2	9	1						2	1								0	15	
8.0-8.9									2	1								0	2	
9.0-9.9									2	1								0	2	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
TOTL	23	71	178	94	24	9	16	17	16	15	7	5	9	26	100	66	39	5	720	

TOKAI-40 10 / 1981

TABLE 6.2-10A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMID- ITY PERCENT	PRECIP- ITAT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND SPD(10) M/S	WIND SPD(20) M/S	WIND SPD(40) M/S
1	17.8	91.0	34.0	57.0	-9.6	1.7	2.6	4.0
2	19.6	60.6	21.0	348.6	-42.0	3.0	3.9	7.0
3	16.3	56.3	0.0	414.6	-42.6	1.8	2.8	4.7
4	16.2	68.8	0.0	430.8	-27.0	1.1	1.7	2.9
5	18.7	73.3	0.0	120.6	-15.0	1.4	2.3	3.7
6	17.5	76.8	0.0	268.8	-24.0	0.8	1.1	2.2
7	18.0	76.2	0.0	193.8	-20.4	1.9	2.4	3.5
8	18.1	82.5	12.5	110.4	-6.6	1.6	2.3	3.3
9	18.9	88.9	10.5	28.8	-9.0	1.1	1.9	3.1
10	17.3	77.3	0.5	372.0	-33.0	1.0	1.5	2.4
11	15.8	71.2	0.0	319.8	-21.6	1.2	1.6	2.9
12	16.2	76.9	0.0	240.6	-28.2	1.3	1.8	3.1
13	17.1	75.7	0.0	367.2	-7.2	1.9	2.5	3.9
14	17.1	71.4	0.0	218.4	-32.4	1.3	1.8	3.3
15	13.8	61.2	0.0	198.6	-8.4	1.1	1.4	2.8
16	13.8	71.2	0.0	175.8	-34.8	1.0	1.5	2.9
17	14.3	70.7	0.0	373.8	-33.0	1.1	1.5	3.0
18	15.7	72.2	0.0	343.2	-21.0	1.5	2.0	3.3
19	17.5	65.9	0.0	333.6	-18.0	1.1	1.6	2.8
20	16.2	54.4	0.0	360.6	-30.0	2.1	2.8	4.4
21	14.6	67.5	0.0	133.8	-18.6	1.1	1.6	2.9
22	16.3	88.6	164.5	34.8	-12.0	1.8	2.5	4.3
23	18.4	55.7	36.0	264.6	-23.4	2.7	3.7	6.3
24	13.0	51.1	0.0	386.4	-47.4	1.6	2.9	4.5
25	12.7	61.7	0.0	358.8	-39.6	1.6	2.4	3.8
26	13.3	64.0	0.0	356.4	-42.6	1.9	2.5	4.1
27	13.7	65.2	0.0	358.2	-43.8	2.3	3.1	4.7
28	12.4	71.5	0.0	343.8	-19.2	1.2	1.7	2.9
29	13.3	82.9	10.0	99.0	-11.4	1.4	2.0	3.4
30	14.5	71.0	0.0	296.4	-26.4	1.6	2.3	3.5
31	13.9	77.4	0.0	294.0	-10.2	1.1	1.6	2.7
MONTH	15.9	70.9	289.0	264.6	-24.5	1.5	2.2	3.6
LACK	0	0	0	0	0	0	0	0

TABLE 6.2-10B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	15.5	8.5	11.4	7.5	1.9	2.7	3.0	2.7	1.5	1.2	1.7	1.2	3.9	9.1	18.5	6.6	3.1
20M	7.1	7.5	12.4	8.9	2.3	2.4	3.8	2.8	1.6	1.1	1.9	1.6	3.9	9.5	20.4	8.1	4.7
40M	2.0	8.3	12.9	9.7	2.4	3.1	4.6	2.7	0.9	1.6	2.0	1.5	4.3	8.9	19.5	9.4	6.2

TOKAI-40 10 / 1981

TABLE 6.2-10C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M																								
MEAN	1.0	0.9	1.0	1.2	1.1	1.1	1.1	1.4	1.6	2.1	2.2	2.4	2.3	2.2	2.3	2.0	1.7	1.8	1.5	1.3	1.1	1.1	1.1	1.2
SIGMA	0.9	0.8	0.8	1.3	1.5	1.0	0.9	0.9	1.0	0.9	1.0	1.0	1.0	0.8	1.0	0.9	1.2	1.2	1.0	0.9	0.8	1.1	1.5	1.6
20M																								
MEAN	1.7	1.5	1.5	1.8	1.8	2.0	1.7	1.9	2.1	2.6	2.7	3.0	2.9	2.9	3.0	2.7	2.4	2.7	2.3	1.9	1.8	1.7	1.8	1.8
SIGMA	1.3	1.2	1.1	1.6	2.1	1.4	1.3	1.3	1.3	1.0	1.2	1.2	1.3	1.1	1.2	1.2	1.4	1.5	1.4	1.3	1.1	1.4	1.9	2.0
40M																								
MEAN	3.6	3.3	3.4	3.7	3.8	3.6	3.3	3.0	3.0	3.6	3.8	4.0	3.9	4.0	4.2	4.2	3.9	4.2	3.8	3.3	3.4	3.2	3.3	3.5
SIGMA	2.2	1.7	1.8	2.2	2.4	1.6	1.5	1.7	1.8	1.7	1.8	2.0	1.7	1.3	1.8	1.9	1.9	2.2	1.8	1.8	1.6	1.7	2.3	2.4
TEMPERA-TURE																								
MEAN	13.3	13.0	12.8	12.6	12.5	12.2	13.3	15.6	18.0	18.9	19.7	19.8	19.8	19.7	19.3	18.2	17.2	16.7	16.2	15.6	14.9	14.2	13.8	13.4
SIGMA	3.2	3.3	3.4	3.5	3.9	3.9	3.5	2.8	2.2	2.1	2.2	2.3	2.4	2.5	2.4	2.3	2.0	2.0	2.1	2.4	2.7	2.9	3.4	3.3
HUMIDITY																								
MEAN	79.4	80.3	81.1	81.6	81.1	81.8	78.9	71.5	62.3	56.0	56.9	56.7	58.0	59.6	61.0	64.8	68.7	69.5	71.2	73.1	74.6	77.0	78.3	78.5
SIGMA	11.8	11.5	11.0	9.4	10.4	9.8	9.9	11.8	13.6	18.3	15.5	15.7	16.7	16.2	16.0	14.9	12.9	13.4	13.1	12.1	12.3	11.4	10.0	10.5
LAPSE RATE																								
MEAN	1.5	2.0	1.9	2.3	2.6	3.0	0.1	-2.6	-3.9	-4.6	-5.1	-4.8	-4.7	-4.5	-3.8	-1.7	-0.0	0.6	0.8	1.1	1.7	1.7	2.0	1.8
SIGMA	2.4	2.7	2.5	2.5	3.4	3.4	2.4	1.4	1.8	1.8	2.2	2.2	2.2	2.2	1.9	0.7	2.0	2.8	2.8	3.0	2.8	3.3	3.1	3.1
STABIL. RATIO																								
MEAN	0.9	0.7	0.7	1.4	1.2	1.7	-0.5	-1.2	-1.6	-1.1	-1.4	-1.0	-0.8	-0.9	-1.0	-0.5	-0.2	0.1	0.1	-0.1	0.3	0.3	0.9	0.3
SIGMA	1.6	1.3	1.1	2.3	1.8	2.5	0.6	0.7	1.6	0.9	1.2	0.9	0.4	0.6	0.9	0.4	0.2	0.6	1.0	0.5	1.1	1.1	1.6	0.8
RADIATION																								
MEAN	-2.4	0.0	0.0	0.0	0.0	0.5	8.1	18.9	32.0	36.0	39.8	37.4	34.6	29.8	20.0	7.5	-2.9	-3.2	-2.9	-2.8	-2.7	-2.5	-2.6	-2.4
SIGMA	1.6	0.0	0.0	0.0	0.0	0.5	4.7	10.1	15.7	18.5	21.1	20.1	17.0	15.5	11.6	5.2	1.7	1.8	1.7	1.8	1.6	1.7	1.5	1.6

TABLE 6.2-10D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTL	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNN	NW	NNW	N	LACK	
A	13																		
A-B	68	5	3	11	4	4	6	5	2	1	1	1	1	3	1			2	
B	72	4	18	7	2	3	7	9	1	1	2	3	5	7	6	4			
B-C	20		8	4							1	1	3	5	6	5			
C	27	1	12	3							2	2	1	1	3	1	1		
C-D	4		2	1															
D1	261	18	20	10	4	4	4	3	5	2	3	3	15	49	81	29	11		
D2	103	15	11	12	4	5	3	1	1	1	2	8	6	17	12	6			
E	20	5	5	4								1	1	2	1				
F	19	6	5	3										4	4				
G	137	11	4	4	4	5	7		1	5	2	4	7	14	41	20			
LACK																			

TOKAI-40 10 / 1981

TABLE 6.2-10E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4	115																			
0.5-0.9	5	1	3	3	7	5	1	1	1	3	2	2	15	23	62	30	7	0	115	
1.0-1.9	26	11	15	8	9	10	7	5	3	5	2	5	13	35	50	11	12	0	170	
2.0-2.9	22	37	27	3	4	6	12	1	3	1	5	2	5	6	16	2	3	0	224	
3.0-3.9	4	30	10			1			2		4		1	3	7	3	1	0	149	
4.0-4.9	3	5	1						2					3	2	3		0	66	
5.0-5.9														1				0	14	
6.0-6.9	1														1			0	2	
7.0-7.9																		0	2	
8.0-8.9	1																	0	1	
9.0-9.9	1																	0	1	
10.0-																		0	0	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	115	63	85	56	14	20	22	20	11	9	13	9	29	68	138	49	23	0	744	
20M																				
-0.4	53																			
0.5-0.9	5	2	3	3	3	2	3	1	3	2	1	4	4	5	35	26	6	0	53	
1.0-1.9	9	3	4	6	11	14	4	4	3	3	4	3	13	27	76	22	17	0	97	
2.0-2.9	23	22	21	7	4	7	12	6	6	2	3	8	8	26	23	4	7	0	219	
3.0-3.9	12	41	25		1	4	5	1	1	1	2	4	3	7	9	3	4	0	178	
4.0-4.9	2	16	8	1					2		1	1	1	1	7	1	1	0	122	
5.0-5.9	1	6	4						2		3	1	1	2	1	4		0	41	
6.0-6.9	2	1	1										1	2	1			0	22	
7.0-7.9														2				0	7	
8.0-8.9	1														1			0	1	
9.0-9.9														1				0	1	
10.0-																		0	0	
LACK	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	53	56	92	66	17	18	28	21	12	8	14	12	29	71	152	60	35	0	744	
40M																				
-0.4	15																			
0.5-0.9	2	1	2	1	1	1	3	1	4	2	1	2	5	7	9	1	1	0	15	
1.0-1.9	12	6	2	1	8	3	3	2	4	4	2	1	2	7	9	10	8	0	12	
2.0-2.9	9	8	9	10	4	11	7	4	3	4	2	3	9	29	40	25	13	0	79	
3.0-3.9	17	28	17	4	4	13	3	1	1	2	2	2	5	15	33	18	17	0	187	
4.0-4.9	11	28	21	1	2	5	7	2	2	3	3	6	6	6	34	6	5	0	140	
5.0-5.9	5	13	9						2	5	1	1	1	4	14	4	1	0	58	
6.0-6.9		8	7	1				1	1	2	2	2	2	2	4	4	1	0	30	
7.0-7.9	1	3	4							1	3	1	1	1	4	1	1	0	18	
8.0-8.9	2	1											2	3				0	8	
9.0-9.9	3												1	1	3	1		0	3	
10.0-																		0	10	
LACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	15	62	96	72	18	23	34	20	7	12	15	11	32	66	145	70	46	0	744	

TOKAI-40 11 / 1981

TABLE 6.2-11A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPITATION MM	SOLAR RAD. CAL/SCCM/DAY	NET RAD. SCCM/DAY	WIND		
						SPD(10) M/S	SPD(20) M/S	SPD(40) M/S
1	15.1	67.8	0.0	302.4	-43.2	2.4	3.2	4.6
2	13.5	68.9	11.5	36.6	-18.0	4.0	5.4	7.5
3	13.9	86.8	0.0	81.0	-28.2	0.7	1.2	2.1
4	14.1	74.4	0.0	178.2	-30.0	0.7	1.4	2.5
5	12.6	66.4	0.0	184.2	-22.8	2.1	2.7	4.1
6	7.3	85.0	14.5	47.4	-18.6	2.1	2.6	4.1
7	7.8	87.6	1.0	62.4	-23.4	1.1	1.5	2.7
8	7.0	57.1	0.0	280.8	-67.8	1.5	2.0	3.6
9	5.0	65.4	0.0	173.4	-49.8	0.7	0.9	2.4
10	5.9	67.4	0.0	310.8	-58.8	1.3	1.7	3.2
11	7.7	63.2	0.0	286.8	-49.2	1.5	2.4	4.1
12	6.7	66.5	0.0	276.6	-51.6	1.2	1.7	3.2
13	8.7	71.0	0.0	280.2	-48.0	1.1	1.6	2.9
14	8.7	65.5	0.0	289.8	-52.2	1.0	1.5	3.0
15	8.7	73.2	0.0	172.0	-36.6	1.0	1.6	3.1
16	11.4	64.5	0.0	236.4	-28.8	1.1	1.6	3.1
17	9.0	48.6	0.0	252.6	-35.4	1.4	1.9	3.5
18	7.0	56.4	0.0	260.4	-52.8	0.9	1.4	2.8
19	7.0	67.0	0.0	258.0	-53.4	1.4	1.8	3.2
20	10.2	66.0	0.0	185.4	-25.2	1.1	2.0	3.3
21	9.5	61.7	0.0	127.2	-39.0	1.8	2.5	4.2
22	6.6	46.7	0.0	202.8	-72.6	1.2	1.8	3.5
23	4.0	66.2	0.0	52.8	-33.6	1.0	1.7	3.3
24	9.5	54.4	0.0	255.0	-40.2	1.3	1.9	4.0
25	7.8	56.3	0.0	114.6	-19.2	0.7	1.1	2.1
26	7.8	87.5	10.5	37.8	-8.4	1.3	1.9	3.2
27	8.6	85.6	14.5	34.2	-12.0	1.5	2.0	3.3
28	4.9	59.9	0.0	208.2	-73.2	1.6	2.3	4.1
29	3.1	57.7	0.0	276.0	-63.6	0.9	1.4	2.4
30	5.0	61.4	0.0	144.0	-30.0	0.7	1.0	2.1
MONTH	8.4	66.8	52.5	187.0	-39.5	1.3	1.9	3.4
LACK	7	7	1	2	0	2	2	2

TABLE 6.2-11B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
10M	16.2	8.6	4.9	3.1	1.7	1.9	1.9	0.8	0.4	0.4	1.3	2.4	5.6	16.7	20.6	7.9	5.6
20M	5.8	8.4	5.7	3.9	1.9	2.5	1.8	0.7	1.7	0.4	1.4	1.8	5.3	12.7	28.4	11.4	6.1
40M	1.7	8.4	5.6	4.2	2.4	3.1	1.8	1.5	1.1	0.6	1.5	2.1	4.6	11.3	29.9	14.2	6.1

TOKAI-40 11 / 1981

TABLE 6.2-11C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(CHR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
H=																								
10M	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.1	1.4	1.6	1.7	1.6	1.6	1.8	1.1	1.3	1.2	1.4	1.4	1.4	1.3	1.3	1.4	1.3
MEAN	0.9	0.8	0.7	0.8	0.6	0.8	1.0	1.1	1.1	1.3	1.2	1.3	1.2	1.1	1.1	1.0	1.4	1.4	0.9	0.9	0.9	0.9	0.9	
SIGMA	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.5	1.7	2.0	2.3	2.1	2.2	2.5	2.4	1.7	2.0	1.9	2.0	1.9	1.8	1.9	2.0	
20M	0.9	1.0	0.9	1.0	0.8	0.9	1.2	1.4	1.5	1.8	1.5	1.7	1.4	1.4	1.5	1.4	1.8	1.7	1.1	1.1	1.1	1.0	1.1	
MEAN	3.6	3.7	3.8	3.5	3.3	3.5	3.3	2.8	2.7	2.9	3.2	2.9	2.9	3.6	3.5	3.1	3.5	3.6	3.8	3.6	3.5	3.4	3.6	
MEAN	1.1	1.2	1.1	1.3	0.9	0.9	1.4	1.6	1.8	2.2	2.0	2.3	1.8	1.8	2.2	2.3	2.4	2.1	2.2	1.3	1.3	1.3	1.2	
SIGMA	6.4	6.0	5.7	5.5	5.0	4.8	5.2	7.2	9.5	11.3	12.1	12.7	12.8	12.6	12.2	11.2	9.9	9.4	8.6	8.0	7.4	6.9	6.7	
TEMPERATURE	3.9	3.9	3.8	3.9	4.0	4.0	4.2	3.6	3.3	3.4	3.6	3.5	3.5	3.4	3.3	3.0	3.3	3.5	3.6	3.6	3.6	3.4	3.6	
SIGMA	74.7	75.9	76.2	76.7	77.8	78.0	77.8	71.5	63.0	52.7	51.8	51.2	52.0	53.3	54.3	60.4	64.7	65.3	67.2	68.5	70.1	71.6	72.7	
MEAN	11.4	10.9	11.0	10.9	9.8	10.6	10.5	11.8	13.9	20.1	18.3	19.3	18.2	18.0	17.9	16.1	14.3	14.8	14.1	13.8	13.0	11.9	11.5	
SIGMA	2.4	2.1	2.8	2.6	3.3	3.2	2.7	-1.0	-3.0	-3.5	-3.7	-3.6	-3.5	-2.8	-2.0	-0.2	1.9	1.9	1.9	1.5	1.9	2.2	2.1	
LAPSE RATE	3.4	2.8	3.7	3.4	3.8	3.9	3.6	2.1	1.3	1.3	1.6	1.2	1.3	1.3	0.9	1.2	3.6	4.1	4.1	3.0	3.3	4.0	3.3	
SIGMA	0.6	1.2	1.1	1.3	3.1	1.3	0.5	-1.2	-2.0	-1.1	-1.1	-1.9	-1.3	-0.9	-0.6	-0.2	-0.1	-0.1	1.1	0.8	1.1	0.6	1.0	
STABIL. RATIO	1.3	2.3	1.9	1.9	4.0	2.4	1.8	1.0	1.5	1.0	0.8	1.6	1.1	0.7	0.4	0.2	0.3	0.3	2.2	1.7	1.7	1.8	2.0	
SIGMA	-2.7	-2.7	-2.8	-2.7	-2.7	-2.4	-1.0	13.4	23.1	29.0	31.8	31.1	27.1	18.6	11.7	1.9	-3.1	-3.1	-2.8	-2.8	-2.6	-2.4	-2.6	
RADIATION	1.6	1.5	1.5	1.7	1.5	1.6	1.2	7.4	11.9	16.3	17.1	16.6	15.4	11.5	6.6	0.9	1.6	1.7	1.8	1.8	1.8	1.7	1.7	
MEAN	1.6	1.5	1.5	1.7	1.5	1.6	1.2	7.4	11.9	16.3	17.1	16.6	15.4	11.5	6.6	0.9	1.6	1.7	1.8	1.8	1.8	1.7	1.7	
SIGMA	TOTAL	NNE	NE	ENE	E	ESE	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	NW	NW	N	LACK			
CATEG	A	2	4	1	6	5	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
A-B	72	2	4	1	6	5	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
B	62	4	3	4	6	4	3	1	3	1	1	1	4	2	9	11	5	3	3	3	3	3	3	
B-C	8	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C	15	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C-D	109	15	10	8	6	4	4	3	3	2	2	4	3	4	14	12	11	9	9	9	9	9	9	
D1	152	27	12	3	3	1	1	1	1	1	1	2	3	11	34	27	15	13	13	13	13	13	13	
D2	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
E	18	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
F	272	5	3	4	2	2	1	1	1	4	2	7	10	30	66	101	22	13	13	13	13	13	13	
G	LACK																							
LACK																								

TABLE 6.2-11D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	TOTAL	NNE	NE	ENE	E	ESE	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NW	NW	N	LACK		
A	2																					
A-B	72																					
B	62	4	3	4	6	4	3	1	3	1	1	1	4	2	9	11	5	3	3	3	3	3
B-C	8	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C	15	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C-D	109	15	10	8	6	4	4	3	3	2	2	4	3	4	14	12	11	9	9	9	9	9
D1	152	27	12	3	3	1	1	1	1	1	1	2	3	11	34	27	15	13	13	13	13	13
D2	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
E	18	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
F	272	5	3	4	2	2	1	1	4	2	7	10	30	66	101	22	13	13	13	13	13	13
G	LACK																					
LACK																						

TOKAI-40 11 / 1981

TABLE 6.2-11E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL	
-0.4																				
0.5-0.9	116	5	3	5	6	3	6	2	1	1	6	9	24	34	52	16	14	0	116	
1.0-1.9		9	1	6	5	9	7	2	1	2	2	7	15	74	86	35	18		184	
2.0-2.9		17	11	2	1	2	1	3	2	1	1	1	1	12	10	6	8		279	
3.0-3.9		22	10	5				1											78	
4.0-4.9		9	4	3															58	
5.0-5.9			4																16	
6.0-6.9			2	1															4	
7.0-7.9																			3	
8.0-8.9																			0	
9.0-9.9																			0	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	116	62	35	22	12	14	14	6	3	3	9	17	40	120	148	57	40	2	720	
20M																				
-0.4	42																			
0.5-0.9		2	4	2	1	3	1	2	2	1	1	1	23	6	39	27	8	0	42	
1.0-1.9		6	1	6	8	9	8	3	5	2	5	8	52	52	122	31	18		97	
2.0-2.9		13	5	3	5	5	4	2	2	3	3	3	12	28	38	23	10		307	
3.0-3.9		17	12	6	2	1			2	1	1	1	3	4	5	1	7		156	
4.0-4.9		17	8	2	2				1		1						1		59	
5.0-5.9		5	4	4	4				1		1			1					32	
6.0-6.9			3	3	3														13	
7.0-7.9			2	1															6	
8.0-8.9			2	1															3	
9.0-9.9			2	1															3	
10.0-																			0	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	42	60	41	28	14	18	13	5	12	3	10	15	38	91	204	82	44	2	720	
40M																				
-0.4	12																			
0.5-0.9		1	1	4	1	3	4	1	4	1	2	1	5	2	4	3	5	0	12	
1.0-1.9		3	4	4	6	8	4	4	4	2	1	4	10	10	16	6	5		23	
2.0-2.9		5	2	3	3	7	4	4	2	3	3	4	11	36	57	29	21		83	
3.0-3.9		6	5	4	4	3	5	3	2	4	2	2	13	27	78	25	10		191	
4.0-4.9		13	11	5	4	1		3	3	1	1	3	4	4	48	24	5		121	
5.0-5.9		21	6	2	1			1	1		1	1	1	2	6	12	2		55	
6.0-6.9		9	2	3	2														24	
7.0-7.9		2	3	2	1														8	
8.0-8.9			1	1															2	
9.0-9.9			1	1															2	
10.0-			4	1	1														6	
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	12	60	40	30	17	22	13	11	8	4	11	15	33	81	215	102	44	2	720	

TOKAI-40 12 / 1981

TABLE 6.2-12A DAILY AVERAGES

DATE	AIR TEMP. C. DEG	HUMIDITY PERCENT	PRECIPIT. MM	SOLAR RAD. CAL/SQCM/DAY	NET RAD. CAL/SQCM/DAY	WIND		WIND		WIND	
						WIND SPD(10) M/S	WIND DIR	WIND SPD(20) M/S	WIND DIR	WIND SPD(40) M/S	WIND DIR
1	5.2	81.2	4.5	38.4	-4.8	2.7	**	3.4	**	4.8	**
2	**	**	**	**	**	**	**	**	**	**	**
3	2.6	54.6	0.0	264.0	-78.9	1.4	1.9	1.9	3.3	3.3	3.3
4	3.8	65.4	0.0	245.4	-65.4	1.3	2.0	2.0	3.3	3.3	3.3
5	6.0	65.3	0.0	119.4	-50.4	1.4	2.2	2.2	4.0	4.0	4.0
6	6.1	62.0	0.0	205.2	-48.6	1.1	1.4	1.4	3.0	3.0	3.0
7	5.8	72.9	0.0	222.6	-54.6	0.9	1.2	1.2	2.9	2.9	2.9
8	5.6	52.1	0.0	237.6	-70.8	1.0	1.4	1.4	3.4	3.4	3.4
9	4.4	59.9	0.0	239.4	-62.4	1.2	1.8	1.8	3.5	3.5	3.5
10	5.3	48.9	0.0	207.6	-74.4	1.0	1.4	1.4	3.0	3.0	3.0
11	4.3	66.7	0.0	207.0	-47.4	0.9	1.1	1.1	2.4	2.4	2.4
12	7.1	70.9	0.0	227.4	-51.6	1.2	2.1	2.1	3.6	3.6	3.6
13	4.8	43.1	0.0	239.4	-84.6	2.2	2.9	2.9	5.1	5.1	5.1
14	1.4	43.8	0.0	255.0	-85.8	1.4	2.2	2.2	4.0	4.0	4.0
15	1.2	45.2	0.0	238.8	-82.8	1.4	2.4	2.4	3.8	3.8	3.8
16	2.6	56.4	0.0	247.8	-67.8	1.1	1.8	1.8	3.0	3.0	3.0
17	4.8	54.6	0.0	231.0	-64.8	1.4	2.0	2.0	3.5	3.5	3.5
18	4.1	54.8	0.0	240.0	-61.2	1.2	1.9	1.9	3.2	3.2	3.2
19	5.9	63.0	1.0	162.6	-27.6	0.8	1.3	1.3	2.4	2.4	2.4
20	7.4	56.0	0.5	174.0	-48.0	2.2	3.6	3.6	5.5	5.5	5.5
21	4.6	57.4	0.0	234.6	-67.2	1.1	1.9	1.9	3.1	3.1	3.1
22	4.7	65.2	0.0	182.4	-55.8	1.3	1.8	1.8	3.4	3.4	3.4
23	5.3	66.1	0.0	144.0	-57.0	1.1	2.0	2.0	3.4	3.4	3.4
24	4.3	52.3	0.0	234.6	-70.2	1.3	1.8	1.8	4.1	4.1	4.1
25	2.4	68.8	0.0	105.6	-38.4	1.0	1.3	1.3	2.5	2.5	2.5
26	4.4	72.1	0.0	230.4	-48.6	1.4	2.1	2.1	3.3	3.3	3.3
27	5.9	64.0	0.0	223.2	-48.6	1.1	1.8	1.8	3.2	3.2	3.2
28	8.9	70.5	0.0	214.8	-49.8	2.1	2.7	2.7	4.7	4.7	4.7
29	10.7	71.6	0.0	211.8	-29.4	1.3	2.2	2.2	3.4	3.4	3.4
30	8.3	48.8	0.0	187.8	-40.8	3.2	4.1	4.1	6.1	6.1	6.1
31	4.3	79.8	1.5	24.0	-2.4	1.1	1.5	1.5	3.0	3.0	3.0
MONTH	5.1	61.2	7.5	199.9	-54.5	1.4	2.0	2.0	3.6	3.6	3.6
WEEK	26	26	21	9	15	24	24	24	24	24	24

TABLE 6.2-12B PERCENTAGE FREQUENCY DISTRIBUTION OF WIND DIRECTION

CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NNW	N		
10M	12.4	5.3	3.7	0.8	1.0	0.4	0.4	0.7	1.2	0.8	3.6	2.5	9.4	19.7	29.0	6.1	2.8
20M	5.6	5.4	3.7	1.0	0.8	0.6	0.1	1.2	1.0	0.6	3.7	4.0	8.7	19.2	31.4	9.2	3.7
40M	1.1	5.4	3.7	1.1	0.8	0.8	0.7	0.8	1.1	1.7	4.0	4.4	6.7	19.6	32.1	10.7	5.1

TOKAI-40 12 / 1981

TABLE 6.2-12C HOURLY AVERAGES AND STANDARD DEVIATIONS

TIME(HR)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WIND SPD																								
10M	1.3	1.2	1.3	1.3	1.5	1.3	1.2	1.1	1.4	1.4	1.9	1.8	1.9	2.0	2.0	1.6	1.2	1.1	1.2	1.2	1.0	1.2	1.2	1.1
SIGMA	0.7	0.8	0.9	0.8	0.8	0.9	0.6	0.6	0.9	0.9	1.0	0.8	1.0	1.1	1.1	1.3	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.8
20M	1.8	1.9	2.0	1.8	2.0	2.0	1.8	1.6	1.9	1.8	2.6	2.6	2.6	2.8	2.8	2.4	1.9	1.8	2.0	1.9	1.7	1.8	1.8	1.8
SIGMA	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.8	1.3	1.2	1.4	1.1	1.3	1.5	1.5	1.6	1.3	1.5	1.6	1.3	1.1	1.1	0.9	1.0
40M	3.7	3.7	3.9	3.8	4.1	3.8	3.7	3.4	3.0	2.7	3.4	3.6	3.5	4.0	4.0	3.6	3.3	3.1	3.8	3.8	3.4	3.7	3.6	3.6
SIGMA	1.4	1.0	1.2	1.4	1.3	1.4	1.1	0.9	1.6	1.7	1.8	1.7	1.7	2.1	2.1	2.0	1.5	1.9	2.2	1.6	1.3	1.3	1.2	1.6
TEMPERATURE																								
MEAN	2.1	1.6	1.3	1.1	0.9	0.8	0.6	2.2	5.2	7.9	9.6	10.5	10.9	10.8	10.2	9.1	7.4	6.4	5.6	5.0	4.3	3.5	2.9	2.5
SIGMA	3.2	3.2	3.2	3.5	3.2	3.3	5.1	2.7	2.2	2.0	2.1	2.4	2.5	2.5	2.5	2.3	2.3	2.4	2.7	2.8	3.0	3.3	3.3	3.1
HUMIDITY																								
MEAN	73.0	74.3	73.0	72.8	71.9	71.8	72.2	67.3	57.5	48.6	43.4	40.9	41.4	42.4	45.8	50.3	57.2	60.9	62.1	63.1	65.7	68.5	71.0	72.4
SIGMA	9.3	8.1	10.2	10.5	11.0	12.5	12.1	12.3	17.3	11.6	13.2	13.5	14.9	16.6	17.0	16.0	15.4	14.1	14.1	13.9	13.6	12.6	10.9	10.3
LEPSE																								
RATE	4.6	5.4	5.4	5.3	4.6	4.5	4.9	1.0	-2.4	-3.1	-3.2	-3.1	-2.8	-2.0	-0.8	0.7	2.5	3.7	3.8	4.0	4.4	4.4	4.4	4.4
SIGMA	3.5	3.7	4.3	3.8	3.5	4.2	4.0	3.1	1.2	1.1	1.2	1.0	1.1	1.1	0.8	1.6	3.6	4.3	3.6	3.7	3.5	3.0	3.1	3.5
STABIL.																								
RATIO	1.6	2.1	2.5	3.0	2.7	2.8	2.9	0.4	-1.4	-1.2	-1.2	-1.1	-1.0	-0.6	-0.3	0.3	0.2	0.6	1.5	2.1	1.9	2.6	2.8	1.5
SIGMA	1.5	2.1	2.6	3.0	2.8	3.4	3.5	2.9	1.1	1.0	1.1	1.1	0.6	0.6	0.5	0.8	0.5	1.3	2.5	2.5	2.1	2.0	2.7	1.9
RADIATION																								
MEAN	-3.7	-3.8	-3.9	-4.0	-4.0	-4.0	-3.3	10.3	22.0	30.8	35.7	35.3	30.6	21.0	12.6	1.6	-3.5	-3.3	-3.4	-3.6	-3.4	-3.5	-3.5	-3.7
SIGMA	1.7	1.6	1.4	1.5	1.6	1.7	1.5	4.4	6.5	9.7	11.5	10.8	10.7	9.4	5.3	0.6	2.1	2.0	2.0	1.7	1.8	1.7	1.7	1.6

TABLE 6.2-12D FREQUENCY DISTRIBUTION OF STABILITY CATEGORY

CATEG	NNE		NE		ENE		E		ESE		SE		SSE		SSW		SW		WSW		W		WNN		NW		NNW		N		LACK	
A																																
A-B	82	1	1	4	3	2	1	1	3	1	1	1	1	1	1	8	9	15	11	13	10	4										
B	78	1	9	3	2	2	1	1	1	1	1	1	1	1	7	3	9	16	14	6	2											
B-C	10																	4	5													
C	17		3																5	5												
C-D	2																															
D1	81	10	8	2	1	2	2	4	1	2	3	3	15	20	3	3	15	20	3	5												
D2	75	18	4	1	1	1	1	1	1	1	4	8	12	17	3	8	12	17	3	8												
E	10	1	1																													
F	24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
G	341	8	1	1	1	1	1	1	1	2	1	5	12	11	39	85	140	28	7													
LACK	24																															

TOKAI-40 12 / 1981

TABLE 6.2-12E FREQUENCY DISTRIBUTION OF WIND DIRECTION AND SPEED

10M	CALM	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	LACK	TOTL
-0.4																			
0.5-0.9	89	3	2	1	1	2	3	1	1	2	6	4	23	28	65	18	6	0	89
1.0-1.9		7	4	5	1	1	4	3	4	16	13	13	42	83	107	17	9		165
2.0-2.9		12	13	1	1	1	1	2	2	4	4	2	20	25	25	9	3		315
3.0-3.9		9	4										8	10	10		2		94
4.0-4.9		6	5						3			1	3		2				36
5.0-5.9		1	3																17
6.0-6.9																			4
7.0-7.9																			0
8.0-8.9																			0
9.0-9.9																			0
10.0-																			0
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	89	38	27	6	7	3	3	5	9	6	26	18	68	142	209	44	20	24	744
20M																			
-0.4	40																		
0.5-0.9		1	1	3	4	2	1	2	1	1	13	10	25	41	112	23	5	0	40
1.0-1.9		3	8	4	2	1		4	3	3	8	14	28	55	63	12	14		75
2.0-2.9		8	6	2	1			3	3	3	4	2	5	18	17	3	5		263
3.0-3.9		13	5					2	3	3	4	2	1	10	3		1		217
4.0-4.9		7	2					1	3	3	1	1	1	4	3		1		72
5.0-5.9		6	2						3	3	1	1	1	4	1		1		28
6.0-6.9		1	5										1	2	1				14
7.0-7.9														1					9
8.0-8.9																			1
9.0-9.9																			1
10.0-																			0
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	40	39	27	7	6	4	1	9	7	4	27	29	63	138	226	66	27	24	744
40M																			
-0.4	8																		
0.5-0.9		1	1	1	3	2	2	2	1	1	3	3	7	10	1	6	2	0	8
1.0-1.9		2	4	4	3	2	2	2	2	4	9	10	13	39	39	5	8		16
2.0-2.9		4	8	2	2	1	2	2	1	3	10	10	10	45	79	18	13		65
3.0-3.9		14	2					1	4	2	6	4	6	28	24	24	10		166
4.0-4.9		10	4					4	2	1	2	3	6	8	56	12	2		209
5.0-5.9		4	3					1	4	1	1	3	6	25	7	7	1		136
6.0-6.9		4	1					1	3	1	1	1	2	5	4	4	1		66
7.0-7.9				1									2	6	1				26
8.0-8.9													2	2	6	1			8
9.0-9.9													2	2	1				3
10.0-													1	2					1
LACK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	8	39	27	8	6	6	5	6	8	12	29	32	48	141	231	77	37	24	744