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AN ANALYSIS OF MAXIMUM HORIZONTAL WIND SPEEDS RECORDED SINCE 1961 AT KENNEDY SPACE CENTER, FLORIDA

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16. ABSTRACT

This report presents tabulations of maximum horizontal wind speed values recorded at the Kennedy Space Center since the Space Sciences Laboratory's Atmospheric Sciences Division began monitoring the winds in the area at Launch Complex 34 in 1961. Monitoring programs and beginning dates also include Launch Complex 37 in 1963, NASA's 150-Meter Ground Winds Tower Facility in 1965, Launch Complex 39A in 1967, and Launch Complex 39B in 1968. As expected, maximum wind speeds were recorded during the eight hurricanes which have affected the area — Cleo in August 1964 through Agnes in June 1972. Detailed tabulations and frequency distributions of daily maximum horizontal wind speeds recorded at NASA's 150-Meter Ground Winds Tower Facility at nine levels from December 1965 through March 1970 are also included.

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TABLE OF CONTENTS

	Page
INTRODUCTION	1
DISCUSSION	1
REFERENCES	48

LIST OF ILLUSTRATIONS

Figure	Title	Page
1.	NASA's 150-Meter Ground Winds Tower Facility and Launch Complex 39, Kennedy Space Center, Florida	4
2.	Placement of Sensors on NASA's 150-Meter Ground Winds Tower Facility at Kennedy Space Center, Florida	5

LIST OF TABLES

Table	Title	Page
1.	Parameters Measured at NASA's 150-Meter Ground Winds Tower Facility At Kennedy Space Center, Florida	6
2.	Maximum Hurricane Wind Speeds (ms^{-1}) Recorded at Launch Complex 34, 37, and 39A and at NASA's 150-Meter Ground Winds Tower Facility, Florida	7
3.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Small Tower at 3-Meter Level	8
4.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Small Tower at 3-Meter Level	9
5.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Small Tower at 3-Meter Level	10
6.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Small Tower at 3-Meter Level	11
7.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1968 through 1970 on Small Tower at 10-Meter Level	12
8.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1968 and 1969 on Small Tower at 10-Meter Level	13
9.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1968 and 1969 on Small Tower at 10-Meter Level	14
10.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November, December 1968 and 1969 on Small Tower at 10-Meter Level	15

LIST OF TABLES (Continued)

Table	Title	Page
11.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Small Tower at 18-Meter Level	16
12.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Small Tower at 18-Meter Level	17
13.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Small Tower at 18-Meter Level	18
14.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Small Tower at 18-Meter Level	19
15.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 18-Meter Level	20
16.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 18-Meter Level	21
17.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 18-Meter Level	22
18.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 18-Meter Level	23
19.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 30-Meter Level	24
20.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 30-Meter Level	25

LIST OF TABLES (Continued)

Table	Title	Page
21.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 30-Meter Level	26
22.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 30-Meter Level	27
23.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 60-Meter Level	28
24.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 60-Meter Level	29
25.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 60-Meter Level	30
26.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 60-Meter Level	31
27.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 90-Meter Level	32
28.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 90-Meter Level	33
29.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 90-Meter Level	34
30.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 90-Meter Level	35

LIST OF TABLES (Continued)

Table	Title	Page
31.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 120-Meter Level	36
32.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 120-Meter Level	37
33.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 120-Meter Level	38
34.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 120-Meter Level	39
35.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in January, February, March 1966 through 1970 on Large Tower at 150-Meter Level	40
36.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in April, May, June 1966 through 1969 on Large Tower at 150-Meter Level	41
37.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in July, August, September 1966 through 1969 on Large Tower at 150-Meter Level	42
38.	Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded in October, November 1966 through 1969 and December 1965 through 1969 on Large Tower at 150-Meter Level	43
39.	Monthly Maximum Horizontal Wind Speed (ms^{-1}) Recorded from December 1, 1965 through March 31, 1970 by Towers and Levels	44

LIST OF TABLES (Concluded)

Table	Title	Page
40.	Percentage Frequency Distributions of Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded on Small Tower by Levels, Wind Speed Classes, and Nonhurricane-Occurrence and Hurricane-Occurrence Months	45
41.	Percentage Frequency Distributions of Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded on Large Tower by Levels, Wind Speed Classes, and Nonhurricane-Occurrence and Hurricane-Occurrence Months	46
42.	Composite of Percentage Frequency Distributions of Daily Maximum Horizontal Wind Speed (ms^{-1}) Recorded by Towers, Levels, Wind Speed Classes, and Nonhurricane and Hurricane Seasons	47

TECHNICAL MEMORANDUM 78177

AN ANALYSIS OF MAXIMUM HORIZONTAL WIND SPEEDS RECORDED SINCE 1961 AT KENNEDY SPACE CENTER, FLORIDA

INTRODUCTION

Intermittent monitoring of on-pad winds at Kennedy Space Center (KSC) was insufficient to provide meaningful ground winds data for space vehicle design, conventional aircraft operations, and other engineering and scientific problems. In 1965 the National Aeronautics and Space Administration (NASA) had a meteorological facility constructed at KSC for continuous monitoring of ground winds. The 18-meter and 150-meter towers, described by Kaufman and Keene [1], are located on Merritt Island approximately midway between Launch Complex 39B and the Space Shuttle runway (Fig. 1). Placement of the meteorological sensors on the towers is shown in Figure 2, and a listing of parameters measured at the facility with beginning record dates is given in Table 1. This facility officially became operational on December 1, 1965, and was placed on stand-by status November 11, 1975. Data acquired at the facility before 1971 were recorded on paper strip charts or magnetic tapes. The Automatic Data Acquisition System (ADAS) for use with the facility was installed in August 1971 [2]. The paper strip chart data reduction of the facility records from December 1965 through March 1970 was performed for the Atmospheric Sciences Division, Space Sciences Laboratory, by the National Climatic Center, Asheville, North Carolina. This report provides an analysis of the daily maximum horizontal wind speed values recorded at the facility during this 52-month period.

DISCUSSION

The advent of preparations for Space Shuttle operations at KSC has prompted increased inquiries concerning maximum wind speeds recorded at various levels and the variation of peak winds by months. An analysis of maximum vertical gusts (i.e., updraft and downdraft) recorded at NASA's 150-Meter Ground Winds Tower Facility was published last year [3].

This report presents results of analyses of maximum horizontal values determined during the various monitoring programs since 1961. The maximum horizontal wind speed recorded during this monitorship is 45.5 ms^{-1} at Launch Complex 34 at the 96-meter level on the Service Structure during hurricane Dora on September 9, 1964. The maximum horizontal wind speed recorded at NASA's 150-Meter Ground Winds Tower Facility is 40.7 ms^{-1} at the 90-meter level during hurricane Alma on June 9, 1966. Table 2 gives the maximum hurricane-related wind speeds recorded at Launch Complexes 34, 37, and 39A and at NASA's 150-Meter Ground Winds Tower Facility.

Along the Atlantic and Gulf coasts, the hurricane season is from June through November, and wind measurements are generally classified as:

Category	Range (ms^{-1})
Moderate	< 10
High	10 < 18
Gale-force	18 < 33
Hurricane	≥ 33

For comparison purposes, the maximum hurricane- and nonhurricane-related wind speeds recorded at each level on both towers at the facility are:

Tower	Level (m)	Maximum Wind Speed (ms^{-1})	
		Hurricane	Nonhurricane
Small	3	28.4	22.9
	10	28.1	23.2
	18	34.2	26.2
Large	18	32.0	26.2
	30	37.3	28.2
	60	37.6	28.3
	90	40.7	30.3
	120	38.2	31.1
	150	38.8	32.6

Tables 3 through 38 present the daily, monthly, and annual maximum horizontal wind speeds recorded at each level on both towers of NASA's 150-Meter Ground Winds Tower Facility from December 1, 1965 through March 31, 1970. A composite of the monthly maximum values for this 52-month period is given in Table 39. Tables 40 through 42 present percentage frequency distributions of daily maximum horizontal wind speed by towers and levels, wind speed classes, and hurricane-occurrence and nonhurricane-occurrence months.

The intent of this analysis, and a recently published one of Automatic Data Acquisition System maximum horizontal wind speeds and associated parameters during the 1970's [4], is to provide additional information for the general description of wind flow in the lowest 150 meters of the atmosphere for the identification of hazards in wind shear encounters for Space Shuttle and conventional aircraft operations.

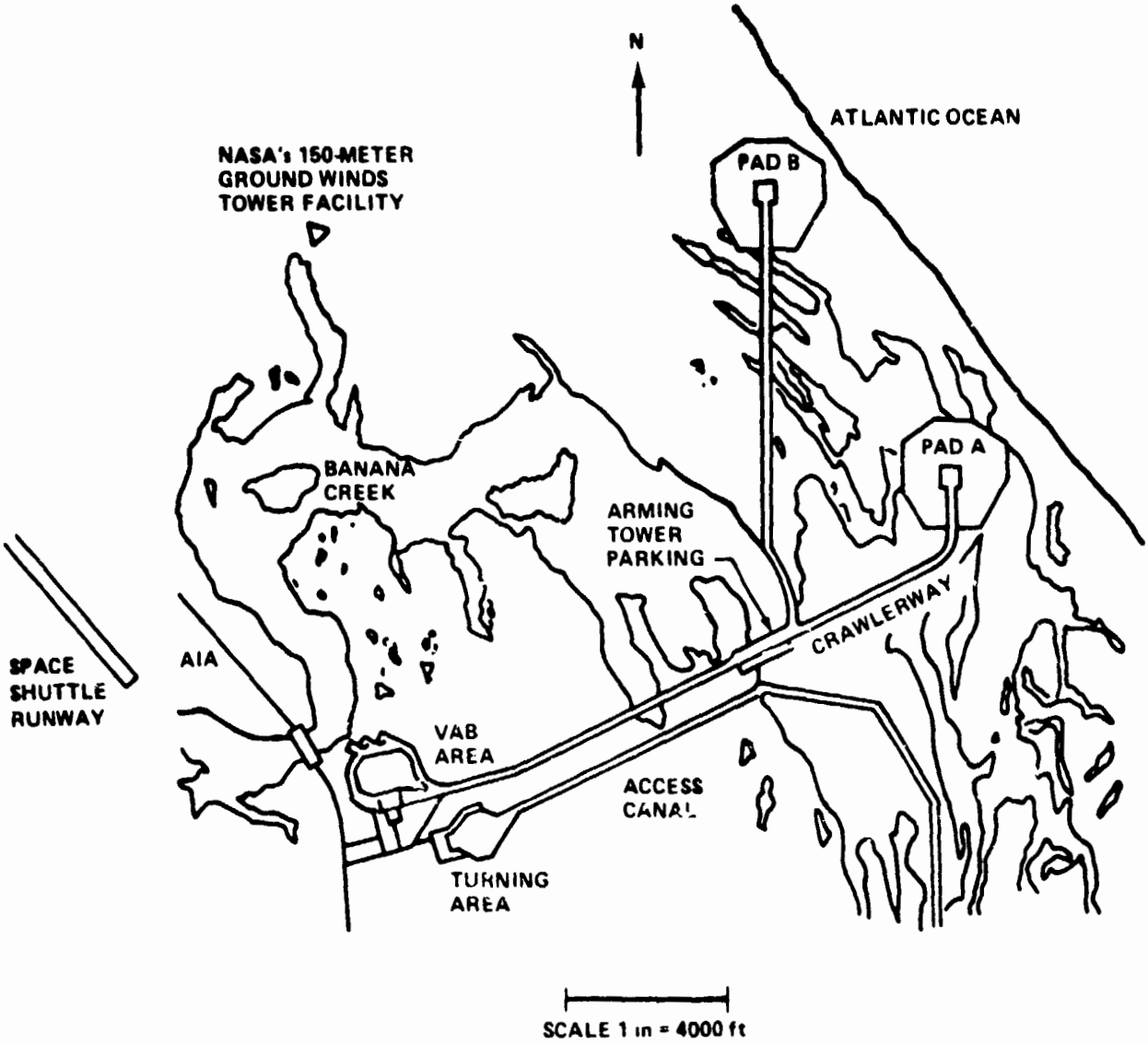

Figure 1. NASA's 150-Meter Ground Winds Tower Facility and Launch Complex 39, Kennedy Space Center, Florida.

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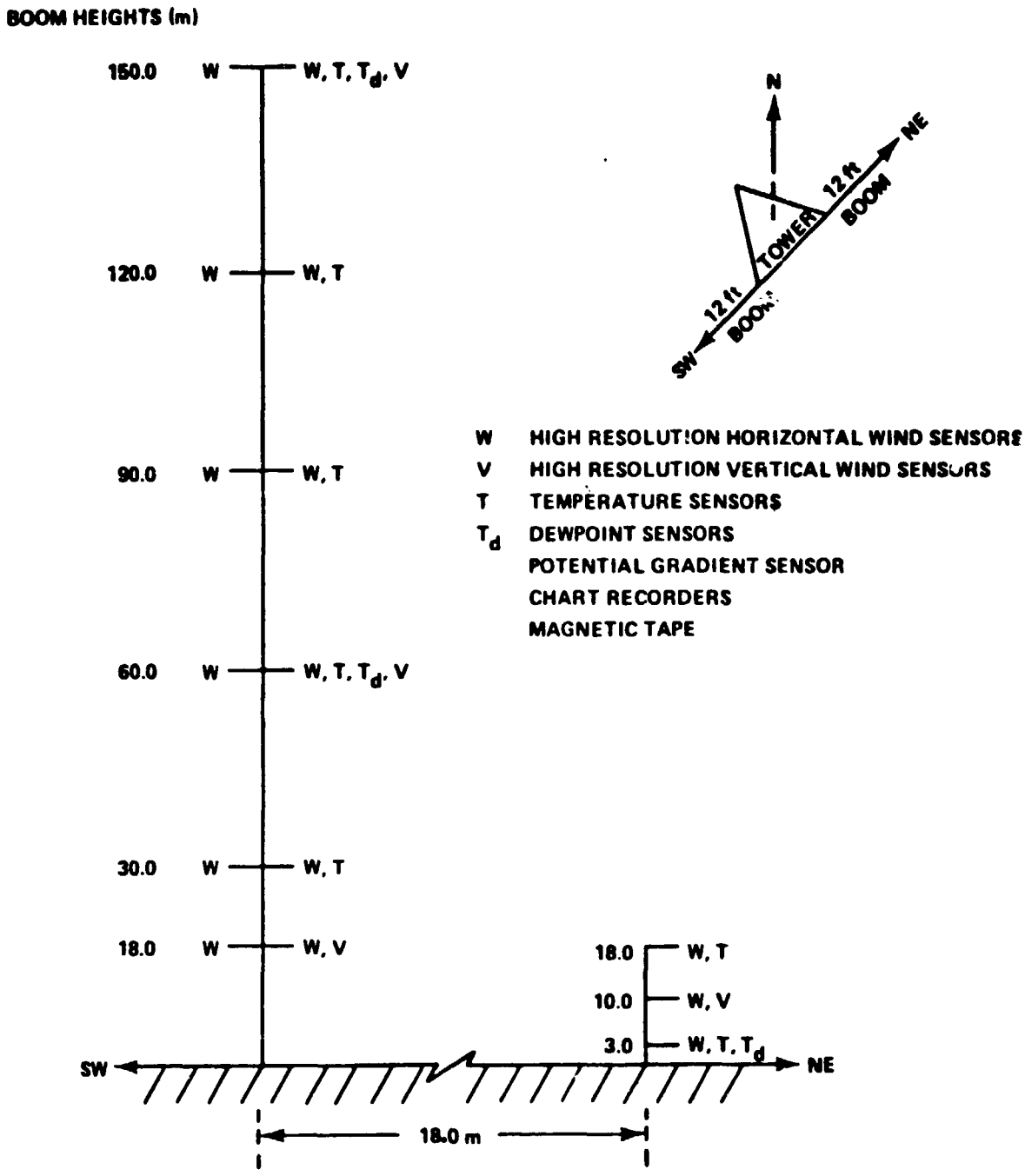

Figure 2. Placement of Sensors on NASA's 150-Meter Ground Winds Tower Facility at Kennedy Space Center, Florida.

TABLE 1. PARAMETERS MEASURED AT NASA'S 150-METER GROUND WINDS TOWER FACILITY AT KENNEDY SPACE CENTER, FLORIDA

Parameter	Beginning Record	Measurement Levels (m)
Wind Speed (ms^{-1})		
Horizontal	December 1, 1965	3, 18, 30, 60, 90, 120, 150
Horizontal	January 1, 1968	10
Vertical	February 26, 1969	10, 18, 60, 150
Wind Direction (deg)		
Horizontal	December 1, 1965	3, 18, 30, 60, 90, 120, 150
Horizontal	January 1, 1968	10
Temperature (°C)		
Ambient	December 1, 1965	3
Delta	December 1, 1965	18, 30, 60, 120, 150
Dew-point	February 16, 1968	3, 60, 150
Atmospheric Pressure (mb)	April 7, 1966	1.5
Relative Humidity (percent)	March 7, 1966 April 20, 1966	1.5 120
Solar Radiation (cal/cm^2min)	August 18, 1967	1.2
Precipitation (in.)	February 10, 1969	1.5
Electrical Disturbances (miles)	August 15, 1969	6

TABLE 2. MAXIMUM HURRICANE WIND SPEEDS (ms^{-1}) RECORDED AT LAUNCH COMPLEX 34, 37, AND 39A AND AT NASA'S 150-METER GROUND WINDS TOWER FACILITY, FLORIDA

Launch Complex		34		37		39A
Hurricane Date		Cleo 27 Aug 64	Dora 9 Sept 64	Cleo 27 Aug 64	Dora 9 Sept 64	Agnes 19 June 72
Anemometer Position	Height (m)	Peak Wind Speed (ms^{-1})				
Pad Light Pole — SE	18					26.8
Pad Light Pole — NW	18					39.4
Pad Light Pole	21	—	40.1	26.8	28.8	
Blockhouse	21	—	42.4	29.3	31.4	
Service Structure	30			35.0	35.0	
Service Structure	58	29.8	—			
Service Structure	67			31.4	35.5	
Umbilical Tower	74			30.4	33.4	
Service Structure	92			28.3	36.0	
Service Structure	96	—	45.5			
Service Structure	103			30.9	42.2	

Ground Winds Tower Facility		Peak Wind Speed (ms^{-1})					
Hurricane Date		Alma 9 June 66	Abby 5 June 68	Gladys 19 Oct 68	Jane 11 Nov 68	Jenny 3 Oct 69	Agnes 19 June 72
Level (m)	Small Tower						
3		27.4	28.4	18.8	20.9	18.4	23.2
10		—	28.1	20.4	23.8	20.6	24.9
18		30.3	34.2	22.3	24.3	22.6	26.0
	Large Tower						
18		29.9	32.0	21.1	25.4	25.0	26.1
30		30.3	37.3	21.7	25.5	25.1	26.8
60		37.6	35.5	26.6	27.0	25.5	25.7
90		40.7	33.9	28.9	25.7	25.7	29.0
120		38.1	38.2	27.8	—	27.4	26.7
150		32.6	38.8	26.7	27.9	26.1	32.5

TABLE 3. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON SMALL TOWER AT 3-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	6.7	10.1		16.1	11.0	9.9	5.5			17.6	12.9	11.9		11.7	11.8
2	11.3	10.1		11.1	11.1	15.1	8.3		9.1	17.8	10.7	9.2		11.0	10.2
3	6.2	13.7		6.5	14.1	9.3	8.4		19.3	20.1	10.6	6.5		18.8	12.2
4	6.8	13.2		15.8	14.9	13.6	7.8		16.9	19.8	11.7	7.4		18.8	16.9
5	12.0	8.0		14.5	10.8	13.5			6.8	13.5	17.6	13.4		14.1	18.3
6	12.2	8.1		10.2	14.4	8.2	13.1			13.4	17.4	14.5		17.6	6.9
7	10.3	11.2		10.9	13.5	9.3	16.3		9.7	12.3	10.3	11.1		16.0	10.6
8	11.7	9.8		7.9	11.0		10.8		9.5	12.4	9.3	10.6		14.7	14.8
9	11.2			8.8	12.4	12.0	10.1		13.6	10.6	10.8	10.7		19.1	17.9
10	9.2	12.8		12.9	11.2	17.7			11.7	15.1	11.4	9.8		11.4	6.6
11	14.6	14.2		15.0	8.8	15.8	12.6		7.4	9.9	8.5	7.6		12.2	12.6
12	11.7	5.8		16.7	9.2	15.4	13.0		8.8	9.5	10.4	10.4		7.6	12.3
13	8.9	7.2		13.4	14.3	19.6	21.4		12.4	7.6	10.3	6.7		10.1	15.1
14	6.2	11.4		11.0	8.6	9.2	8.4		12.4	9.7	8.2	6.9		11.5	15.3
15	13.5	7.9		7.6	1[illegible].3	10.4	9.3		22.4	11.6	10.3	12.9		9.5	14.0
16	11.6	11.8		8.[illegible]	13.3	9.9	6.3		15.5	9.7	13.3	18.7		12.7	10.7
17	9.2	10.1		9.8	9.4	12.1	8.2		11.5	17.8	8.5	8.9		13.7	11.9
18	7.3	10.4		10.6	11.3	9.3	11.0		12.0	7.7	9.2	16.6		15.2	8.7
19	12.4	11.6		11.2	9.1	17.6	12.1		8.7	10.6	6.7	11.4		11.8	10.8
20	5.9	11.3		12.0	13.2	14.4	9.3		10.0	14.6	6.6	10.8		8.6	11.3
21	8.6	4.7		7.8	11.5	10.9	12.0		12.9	13.5	6.3	9.5		7.8	11.9
22				6.6	13.7	12.8	6.3		6.9	7.8	9.2	9.4		9.5	12.0
23		7.2		9.7	12.1	18.0	11.5		11.6	6.9	13.9	10.1		12.8	10.7
24	10.7			7.7	11.6	14.6	9.9		11.6	7.0	9.3	11.9		17.3	11.2
25	14.4	7.8		11.9	9.0	9.7	14.6		11.9	12.8	13.4	8.7		11.8	12.5
26	13.8	8.0		11.8	8.0	9.9	12.5		12.3	13.9	5.3	10.6		10.3	15.6
27	19.0	14.1		10.0	7.2	15.7	11.5		8.1	10.3	9.4	14.2		10.2	11.2
28	8.3	11.0		10.4	10.2	16.6	9.9		7.9	8.2	10.7	11.5		9.6	12.6
29	12.9			11.7	10.3						4.8	9.9		8.7	12.1
30	20.6	6.3		10.3	14.7						9.8	12.9		8.8	11.7
31	9.8	5.8		7.1	14.0						12.9	13.8		10.5	8.9
Maximum															
Yearly	20.6	14.2		16.7	14.9	19.6	21.4		22.4	20.1	17.6	18.7		19.1	18.3
Monthly			20.6					22.4					19.1		

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TABLE 4. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON SMALL TOWER AT 3-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	13.9	12.8	8.7	9.1		11.0	11.7	10.6	11.6	10.0	8.0	8.3
2	12.4	9.6	13.5	10.3	9.1	10.9	7.8	10.3	10.3	17.8	8.9	8.2
3	9.3	7.5	10.8	8.5	8.2	9.6	10.6	15.6	12.0	11.1	13.8	9.2
4	18.8	7.9	13.0	9.6	8.6	14.1	12.1	10.4	12.4	9.6	20.4	9.9
5	11.6	7.7	12.2	10.9	13.8	10.0	13.1	10.6	10.0	10.6	28.4	15.8
6	8.3	9.3	7.7	10.1	9.3	10.4	9.5	12.5	14.4	9.1	19.4	9.4
7	6.6	8.8	7.0	11.8		19.1	14.7	10.9	9.9	9.4	10.6	11.1
8	9.3	12.4	10.7	11.1		11.4	14.6	11.5	20.6	10.1	14.5	9.9
9	7.2	10.5	9.3	13.0	11.0	13.6	13.0	13.1	27.4	7.5	11.5	9.2
10	15.3	10.0		11.7	13.3	8.7	13.0	13.5	16.7	10.1	9.1	9.3
11	10.0	13.6	14.3	8.4	10.7	13.0	13.3	8.1	11.1	10.1	15.5	10.4
12	9.2	12.4		10.3	7.5	9.8	8.7	8.1	8.9	9.1	11.8	11.4
13	8.3	15.1	9.8	12.2	7.2	7.9	7.1	11.2	9.3	11.4	8.2	10.4
14	12.1	13.1	8.4	14.2	10.3	11.1	8.7	13.1	11.6	11.4	8.6	11.5
15	10.5	10.0	14.9	11.4	7.9	13.1	9.0	11.3	9.3	9.3	8.1	8.5
16	11.0	9.3	11.0	11.7	8.5	12.6	7.6	12.6	9.5	9.6	12.6	9.3
17	7.7	7.5	9.9	11.3	10.7	10.0	10.1	12.8	14.4	15.1		8.7
18	12.5	12.1	7.7	13.1	17.1	9.1	10.1	13.1	12.4	10.1	14.2	12.6
19	13.3	10.0	9.0	12.8	10.9	11.6	11.2	10.3	9.3	8.1	10.7	11.9
20	10.9	11.7	9.8	8.7	9.3	10.1	9.0	9.9	7.6	8.7	12.6	12.0
21	13.9	12.1	10.7	10.3		12.2	9.9	12.8	10.3	9.2	9.2	13.8
22	11.7	14.6	7.8	10.0		16.1	9.6	12.5	6.8	9.7	7.8	8.8
23		10.2	9.2	11.6	13.6	21.6	10.7	11.2	12.4	8.4	8.1	8.7
24		11.0	12.6	12.1	9.9	12.9	10.2	10.3	9.8	7.8	7.5	8.3
25		11.4	14.0	9.5	12.4	10.2	8.8	8.7	9.2	8.3	17.8	9.1
26	10.2	11.5	13.9	9.7	20.3	8.2	15.3	8.5	8.9		13.6	9.7
27	12.1	17.7	7.9	11.0	8.2	9.0	10.0	10.1	8.1	9.3	10.4	8.6
28	10.3	15.7	15.1	11.1	12.8	8.6	11.1	13.8	9.5	10.6	10.1	9.8
29	10.9	9.0	17.1	9.6	11.1	8.7	9.0	10.3	9.5	12.0	7.9	8.7
30	10.6	10.1	11.3	8.6	11.3	8.2		8.1	17.6	7.2	8.4	10.8
31					16.6	8.4	8.2	8.6				
Maximum												
Yearly	18.8	17.7	17.1	14.2	20.3	21.6	15.3	15.6	27.4	17.8	28.4	15.8
Monthly	18.8				21.6				28.4			

TABLE 5. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON SMALL TOWER AT 3-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	14.0	10.8	9.4	9.0		12.3	8.7	8.6	2.1	9.5	8.0	9.4
2	9.3	10.9	12.9	7.7		7.9	9.3	9.3	7.0	12.6	9.7	10.0
3	8.0	12.9	9.7	11.2		9.4	11.0	18.7	8.1	13.2	9.0	8.1
4	8.3	13.8	10.7	9.5		10.7	14.5	17.0	6.7	10.8	7.6	9.9
5	9.9	10.1	12.7	8.7	6.3	11.0	9.1	14.5	7.9	10.1	9.0	12.6
6	13.5	10.3	7.1	9.7	13.7	15.6	7.3	7.3	9.6	11.6	9.4	12.5
7	17.5	11.6	11.8	10.0	14.8	13.6	8.6	5.1	6.6	9.9	8.4	12.0
8	9.2	9.9	12.1	9.9	15.1	10.8	7.9	10.8	10.1	10.7	8.4	10.6
9	9.8	10.8	16.3	8.0	6.4	9.4	8.4	7.6	11.4	11.2	6.8	14.4
10	7.3	9.6	11.9	8.6	9.9	9.4	12.4	8.3		9.0	16.0	9.6
11	9.3	8.5	9.5	8.7	8.7	11.9	15.5	10.1		12.4	8.4	7.0
12	6.4	8.1	8.7	11.7	8.4	15.4	7.9	10.7	5.2	18.1		7.9
13	9.2	13.0	9.7	11.1	9.2	16.8	8.4	8.5	12.6	11.1		9.9
14	10.4	11.6	8.8	6.9	7.6	11.3	9.1	11.8	18.5	11.3	9.6	11.7
15	10.3	12.3	6.3	5.2	8.6	6.4	8.7	10.2	9.7	9.8	7.9	9.2
16	8.2	14.5	6.7	8.5	8.3	7.8	9.6	8.8	8.7	9.1	7.4	8.3
17	7.0	9.0	6.3	10.4	7.2	8.5	8.3	12.1	6.3			11.2
18	9.4	15.4	7.9	10.0	7.4	9.1	8.4	13.0	7.8	9.0	6.2	10.3
19	10.2	8.3	9.9	9.7	8.8	9.9	7.9	9.7	12.7	10.7		10.2
20	9.5	7.2	8.6	8.2	8.9	11.1	7.6	9.6	10.8	8.2	12.9	12.1
21	13.3	7.5	7.0	8.3	6.5	11.4	7.0	8.6	15.9	7.3	12.0	10.7
22	9.4	8.3	8.5	12.5	11.7	11.0	8.2	10.1	6.7	7.8	8.9	9.4
23	10.4	6.3	7.5	14.0		9.8	9.0	15.5	6.9	11.6	10.3	8.9
24	13.0	8.4	7.5	12.1		9.7	7.9	9.9	5.9	9.7		8.0
25	10.4	9.3	7.7	18.0		7.3	8.9	11.6	7.0	8.3		8.0
26		12.3	6.6	14.7		8.7	12.3	10.9	8.9	11.6	10.2	8.3
27		11.2	7.1	9.2		8.2	13.1	11.2	9.1	11.0	9.9	9.8
28		9.7		11.6		8.0	13.0	14.7	13.5	12.6	20.4	12.7
29	8.6	14.3		13.0		7.4	11.0	15.1	10.4	9.9	11.2	14.5
30	13.4	22.9	10.0	14.1		6.9	12.8	10.7	7.1	8.3	11.7	12.5
31	10.6	14.5	8.2	12.3		8.1	7.7	7.6				
Maximum												
Yearly	17.5	22.9	16.3	18.0	15.1	16.8	15.5	18.7	18.5	18.1	20.4	14.5
Monthly	22.9				18.7				20.4			

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TABLE 6. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON SMALL TOWER AT 3-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	11.9	9.8	11.6	13.2	6.2	8.3	8.8	14.7	11.8	5.0	8.3	7.4	13.2
2		11.7	9.3	11.9	14.4	7.2	7.7	6.5	9.4	3.8	9.2	6.5	8.7
3	9.0	8.3		18.4	12.9	9.1	6.3	7.9	5.5	5.9	16.0	8.3	12.6
4	10.5	9.9		9.0	9.7	7.6	11.5	20.8	9.3		10.8	16.2	9.3
5	7.3	8.1		13.7	9.2	12.2	8.4	10.8	5.0	6.8	7.3	8.2	11.1
6	11.2	7.6		12.7	9.0	15.4	6.6	10.1	8.2	7.6	8.4	6.6	11.0
7	8.4	10.9		10.7	6.8	14.9	6.5	8.1	17.6	7.2	5.8	6.4	14.1
8	10.4	8.2		8.6	10.3	15.4	10.4	7.4	10.1	10.3	9.7	15.4	9.9
9	9.1	11.8	7.0	10.4	6.7	11.0	13.3	7.2	8.6	9.9	6.5	11.0	17.8
10	6.0	9.8	8.8	8.7	9.1	10.9	9.9	6.2	7.9	14.6	12.8	9.4	19.1
11	12.1	8.6	13.5	12.6	5.9	9.6	20.9	6.3	7.5	8.9	17.4	12.3	10.6
12	6.9	7.2	12.7	10.0	6.2	10.4	16.1	9.1	7.0	9.9	8.8	7.5	10.9
13	10.4	11.3	12.8	9.3	12.6	10.6		9.7	8.7	12.6	7.2	5.2	13.1
14	11.0	13.5	15.0	8.3	13.7	7.2	8.7	12.5	6.3	9.3	6.8	14.8	8.5
15	8.8	9.9	17.8	5.8	12.7	8.6		12.9	9.4	11.0	7.5	15.5	8.0
16	6.6	9.5	13.7	6.9	12.1	10.1	8.3	11.1	9.3	8.6	8.7	7.6	5.4
17	6.1	8.8	17.5	7.3	9.7	8.6	6.9	11.4	12.2	7.3	6.9	5.3	11.9
18	7.8	10.4	16.4	10.1	7.8	8.6	12.1	11.9	8.0	13.3	8.7	4.8	8.9
19	7.0	12.9	18.8	11.3		9.6	12.5	14.1		11.6	7.0	8.4	8.1
20	11.0	9.9	7.6	9.6		5.6	9.7	17.5	13.8	7.0	6.6	6.1	10.0
21	9.1	10.8	9.1	8.2	9.5	4.1	10.1	13.1	10.0	8.9	9.3	5.7	12.4
22	6.9	8.4	9.0	7.9	15.7	7.1	6.8	11.6	7.2	4.4	8.6	11.6	17.6
23	5.4	11.3	8.7	17.7	12.5	13.0	6.9	7.5	9.1	10.9	18.4	12.2	7.9
24	6.2	8.3	9.5	17.6		12.8		11.8	9.7		12.6	11.9	9.8
25	6.9	5.7	10.6	13.2		8.8		7.6	10.6		7.2	8.7	13.1
26	10.7	10.7	12.1	11.5		8.3	8.8	10.9	12.2		5.3	6.0	17.0
27	11.8	6.1	8.7	6.8		10.6	6.7	9.3	10.3	6.7	6.4	11.1	11.3
28	9.9		9.2	11.3	16.0	9.9	11.6	11.3	11.5	13.4	15.3	14.1	7.1
29	9.0		9.2	17.0	16.0	8.1	5.3	12.6	10.3	10.0	7.6	9.6	10.4
30	7.9		8.3	15.8	8.5	11.9	10.9	10.1	7.2	7.7	9.0	5.6	14.6
31	6.3	8.8	9.3	16.1						9.8	6.8	11.5	10.2
Maximum													
Yearly	12.1	13.5	18.8	18.4	16.0	15.4	20.9	20.8	17.6	14.6	18.4	16.2	19.1
Monthly		18.8				20.9					19.1		

TABLE 7. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1968 THROUGH 1970 ON SMALL TOWER AT 10-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1			6.7	17.4	11.0					20.1			16.5	11.8	10.9
2			5.3	12.4	12.0				9.6	19.2			10.2	11.9	10.9
3			5.5	6.8	14.7				19.5	23.2			12.9	18.2	13.0
4			10.7	17.7	15.6				19.0	20.6			10.0	21.5	18.4
5			12.0	15.2	10.8			8.5	7.4	14.9				14.8	21.5
6			8.7	11.1	16.4				8.8	13.8				18.8	7.3
7			14.7	11.7	15.1			14.1	9.1	13.0			14.8	17.4	11.4
8			14.0	7.5	12.7			18.2	9.1	13.5			10.3	15.3	16.1
9				9.1	13.7			11.5	14.2	10.9			10.3	21.9	20.6
10			10.0	13.0	11.7			10.6	11.0	16.7			12.4	13.1	6.1
11			10.8	17.5	10.1			11.1	7.7	10.6			10.5	13.6	12.7
12				19.1	9.6			12.3	8.7	10.0			18.1	7.7	15.1
13			10.3	14.1	15.6			11.9	12.7	7.3			14.0	11.0	18.0
14			7.3	12.0	9.4			7.7	13.0	9.3			11.5	11.9	16.5
15			13.0	8.1	12.2			9.7	22.0	12.7				9.3	13.5
16			7.9	8.4	14.5			6.9	15.6	9.7				13.3	11.1
17				9.7	9.9			11.5	12.7	18.5				12.6	12.8
18			9.8	10.8	12.0			14.0	11.8	7.6				15.7	9.7
19			9.9	13.1	8.8			13.6	9.0	11.8			6.9	12.0	10.8
20			9.2	13.1	12.7			10.9	9.7	16.0			7.7	7.8	11.7
21			6.8		11.9			8.6	12.6	14.6				6.4	12.1
22			6.2	6.2	14.9			9.4	6.4	8.5			14.8	9.3	14.3
23			10.3	9.9	13.9			9.3	11.9	6.9			15.5	12.6	12.3
24			15.0	6.5	12.1			12.9	12.7	9.0			11.5	19.9	11.3
25			11.4	12.3	9.3			11.5	12.5	13.2			8.0	10.8	11.6
26				12.6	7.6			9.3	12.6	15.8			10.3	10.5	15.5
27			10.9	10.2	7.4			15.6	8.1	10.8			10.6	10.0	11.5
28			6.9	11.5	9.5			8.9	7.3	8.4			9.6	10.3	13.4
29				11.5	11.6			21.3					10.2	8.4	13.5
30			6.5	9.9	15.6								7.2	9.0	13.3
31				6.6	15.6								9.9	11.0	9.9
Maximum															
Yearly			15.0	19.1	16.4			21.3	22.0	23.2			18.1	21.9	21.5
Monthly			19.1					23.2					21.9		

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TABLE 8. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1968 AND 1969 ON SMALL TOWER AT 10-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1				10.3			9.8	11.3			7.9	8.6
2				10.4			8.1	11.0			8.0	7.9
3				7.6				15.8			16.0	8.5
4				8.9			12.1	10.6			20.7	11.2
5				11.1			13.0	11.0			28.1	17.1
6				10.8			9.7	12.7			18.4	10.0
7				12.6			15.9	11.0			9.5	11.9
8				11.5			15.7	11.5			14.0	9.8
9				13.2			13.4	13.9			10.9	9.5
10				11.8			13.8	[illegible]				10.5
11				9.0			14.2	7.8			16.5	10.1
12				12.4			9.6	8.3			11.5	11.5
13				13.1			7.4	11.6			9.3	10.7
14				13.7			8.6	14.3			9.0	12.7
15				12.0			7.7	12.4			9.0	8.8
16				12.4			8.5	13.1			12.3	11.0
17							11.2	14.0				8.8
18				12.8			11.0	12.8			15.9	13.8
19				12.4			13.7	11.4				13.7
20			9.6	8.7			9.9	10.5				13.2
21			11.8	10.8			10.0	13.4			10.4	14.7
22			8.1	10.4			10.5	14.6			8.3	9.7
23			9.7	11.9			10.8	11.9			8.0	8.6
24			12.6	13.2			10.3	10.9			7.6	8.4
25				10.0			10.0	8.2			19.2	9.6
26			14.5	10.7			17.5	8.8			14.9	10.2
27			7.8	11.3			10.7	10.5			11.9	9.7
28			15.1	11.8			11.1	15.5			11.1	11.0
29			20.7	10.1				10.9			8.0	9.7
30			11.5	9.4				8.4			9.1	12.1
31								7.8				
Maximum												
Yearly			20.7	13.7			17.5	15.8			28.1	17.1
Monthly		20.7				17.5				28.1		

TABLE 9. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1968 AND 1969 ON SMALL TOWER AT 10-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1			9.9	10.4			9.1	9.2				9.6
2			13.3	8.0			10.5	9.6				10.9
3			10.6	11.0			10.9	21.4				8.2
4			10.0	8.8			15.6	20.8				9.9
5			15.4	9.3			9.1	13.5				12.9
6			7.7	8.4			7.4	7.2				13.1
7			11.2	9.2			8.5	4.8				12.7
8			14.0	13.1			8.5	13.4			9.2	11.6
9			18.1	9.0			8.7	7.8			7.5	16.4
10			12.6	9.2			13.3	8.3			17.1	9.1
11			9.3	15.0			18.2	11.0			9.2	7.6
12			8.7	13.4			9.2	11.2			11.5	8.0
13			9.4	11.4			8.9	8.4			9.5	11.1
14			8.9	7.3			9.7	12.9			11.1	11.9
15			6.6	5.7			9.2	10.4			8.9	10.0
16			6.8	11.7			8.6	10.0			9.2	7.2
17			7.1	10.6			9.1	14.4			8.5	11.4
18			8.3	12.0			8.8	13.5			8.2	10.8
19			10.8	10.4			8.7	11.6			9.1	12.5
20			8.9	7.9			8.2	9.1			15.3	13.6
21			7.2	8.1			7.0	9.2				10.4
22			8.1	14.0			8.8	11.8			10.9	9.9
23			8.0	17.1			9.0	16.8			12.6	10.1
24			8.0	14.3			8.2	11.3			11.4	8.7
25			8.1	23.0				12.3			10.3	8.0
26			7.1	17.1				11.6			11.7	
27			6.8	17.7				12.7			10.6	10.6
28			10.5	12.8				15.9			21.7	14.9
29			8.3	11.9				16.4			13.0	16.1
30			10.0	14.1				10.8			13.3	14.5
31			8.6	13.2				7.4				
Maximum												
Yearly			18.1	23.0			18.2	21.4			21.7	16.4
Monthly		23.0				21.4				21.7		

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TABLE 10. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER, DECEMBER 1968 AND 1969 ON SMALL TOWER AT 10-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1			11.2	13.0			8.8	15.8				8.6	13.9
2			9.4	12.8			8.4	6.8				7.4	7.9
3			7.0	20.6			7.3	7.8				8.6	13.3
4			6.9	10.9			13.1	21.4				17.9	10.0
5			12.3	15.5			8.2	11.2				11.1	11.0
6			13.4	14.1			7.3	10.2				7.4	10.5
7			10.1	12.3			7.4	8.6				7.2	14.5
8			7.0	9.0			11.6	8.1				16.8	10.3
9			8.2	11.6			15.9	6.8				13.7	18.9
10			9.7	10.2			10.9	5.8				11.1	21.0
11			12.7	13.7			23.8	6.1				13.8	11.5
12			13.5	10.2			17.4	9.2				8.9	12.0
13			14.4	9.5			12.2	11.3				6.2	13.9
14			14.5	8.7			8.1	13.6				17.0	8.2
15			19.0				8.2	14.0				17.1	7.5
16			13.3	6.3			10.2	12.5				9.4	5.9
17			18.0	7.6			7.0	13.0				5.5	11.8
18			17.1	10.2			12.3	12.1				5.4	8.5
19			20.4	15.0			13.8	14.1				9.9	8.3
20			6.9	9.6			10.1	17.2				6.9	10.0
21			9.9	8.9			11.4	13.3				6.4	13.3
22			9.1				7.1	13.1				12.5	18.9
23			9.4	20.1			7.5	8.7				13.9	7.9
24			9.7	19.9			6.1	10.1				13.5	8.8
25			10.8	14.5			15.1	7.6				9.9	15.1
26			13.0	12.1			10.6	12.5				6.2	17.8
27			8.3				9.1	9.2				12.3	11.1
28			9.7	15.8				11.2				16.2	6.8
29			10.3	18.6			5.9	13.5				10.1	10.6
30			9.1	18.1			12.5	11.8				6.1	16.1
31			9.3	18.5								12.4	11.1
Maximum													
Yearly			20.4	20.6			23.8	21.4				17.9	21.0
Monthly		20.6				23.8					21.0		

TABLE 11. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON SMALL TOWER AT 18-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	7.2	10.8	6.6	18.7	11.5	11.0	5.9	8.6	12.1	21.7	13.6	14.0	20.1	12.5	11.3
2	11.8		5.5	13.3	12.3	16.6	9.9	11.3	9.4	20.5	9.9	10.8	10.9	11.6	10.4
3	7.2	16.0	6.8	6.9	15.8	9.8	8.3	15.1	18.8	25.0	10.8	6.4	13.8	18.7	12.7
4	8.2	16.6	13.3	18.7	15.9	16.4	8.4	9.3	18.7	21.7	12.6	7.8	11.2	22.1	19.8
5	12.9	11.4	14.1	17.3	12.2	14.5	10.3	8.6		15.6	19.6	14.0		15.7	22.1
6	14.4	9.1	9.2	11.1	18.1	9.0	14.9	17.6	8.4	14.6	18.4	15.6	10.7	18.8	7.5
7	11.8		17.6	12.3	15.5	8.5	19.6	15.2	9.1	13.9	11.9	12.3	15.7	18.8	12.0
8	13.7		15.4	7.4	12.9	8.3	12.4	21.8	9.9	13.3	12.5	11.9	11.3	15.9	16.0
9	12.5	7.4	13.6	9.6	14.3	12.4	19.4	12.4	15.9	12.4	13.6	12.9	11.4	20.3	20.1
10	11.5	14.3		14.9	12.8	18.5	7.5		11.7	17.6	14.4	10.3	13.9	13.0	6.7
11	16.6	16.6	11.9	17.1	11.0	17.5	14.9		7.3	11.8	14.9	8.8	13.0	13.0	14.3
12	13.0	6.8		18.8	10.0	16.0	14.5	13.7	8.3	10.9	12.3	12.4	24.2	8.2	15.5
13	9.2	7.9	10.1	14.2	16.5	19.6	25.7	12.3	12.7	7.1	11.9	7.3	16.4	11.5	18.0
14	6.4		6.8	12.1	10.4	9.6	8.8	7.9	14.2	10.2	8.3	7.5	12.6	11.8	19.1
15	14.9		15.2	9.2	13.6	10.2	11.4	12.0	21.6	12.6	13.4	14.4	13.8	10.2	16.7
16	13.7	14.1	8.6	8.8	14.9	10.4	8.3	7.5	16.5	11.3	15.4	21.1	12.8	13.5	11.0
17	9.7	11.7	12.8	10.8	10.9	13.4	8.9	12.0	12.1	19.6	10.8	9.5	15.4	13.6	14.4
18	7.7	12.2	11.2	11.7	13.0	10.4	12.5	17.0	12.3	7.6	10.3	18.6		17.3	9.9
19	13.4	13.2	10.7	13.1	9.6	19.7	13.1	15.7	10.3	13.1	6.6	12.9	7.1	12.9	11.5
20	7.1	12.3	10.5	14.5	13.9	14.7	9.6	10.9		16.8	9.1	11.9	8.0	6.8	12.5
21	10.4	5.3	6.9	8.6	12.9	11.3	13.8	8.2		15.7	7.3	10.4		6.3	15.3
22			7.0	6.3	15.4	14.5	8.9	9.8	6.2	9.2	9.7	9.5	15.3	9.5	15.5
23		8.2	12.2	9.5	13.4	20.4	13.6	11.3	11.9	6.8	14.4	10.3	17.9	14.1	12.4
24	10.8	12.7	17.6	7.6	13.0	17.2	11.6	15.1	14.3	8.7	11.0	13.3	12.8	18.6	12.4
25	15.4	8.2	14.2	13.2	10.1	10.4	17.0	12.5	12.2	15.5	16.5	8.9	8.5	11.5	12.9
26	17.6	8.8		13.2	8.6	10.4	14.1	10.6	13.4	17.2	8.2	11.6	10.4	11.5	16.9
27	20.4	15.6		11.1	7.9	17.6	13.5	17.8	7.4	11.0		13.4	10.8	9.6	13.5
28	9.0			12.5	10.2	17.4	12.1	8.8	8.0	8.4	13.4	11.6	10.1	9.6	14.3
29	21.2		8.9	12.6	11.9			25.5			6.2	11.1	7.5	8.3	13.4
30	18.5	7.8	7.8	10.5	15.9						11.3	15.5	7.6	9.1	13.7
31	9.6	6.3	5.7	7.1	16.0						14.4	15.7	10.7	10.4	10.0
Maximum															
Yearly	21.2	16.6	17.6	18.8	18.1	20.4	25.7	25.5	21.6	25.0	19.6	21.1	24.2	22.1	22.1
Monthly			21.2					25.7					24.2		

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TABLE 12. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON SMALL TOWER AT 18-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	17.4	14.8	8.2	9.7		12.3	10.9	10.2	14.2	9.9	8.1	9.5
2	14.8	10.9	13.7	11.0	10.3	12.2	8.5	10.1	12.2	23.0		8.3
3	10.9	8.4	12.2	8.6	10.2	11.1		17.5	14.3	11.8	15.9	9.7
4	23.7	8.1		9.8	9.9	15.4	12.9	11.3	13.4	9.4	24.1	11.0
5	14.5	7.7	12.8	11.6	17.0	10.0	14.1	12.1	11.6	[illegible]	34.2	18.2
6	9.8	9.6	10.3	12.0	10.4	11.0	9.3	12.9	17.6	[illegible]	21.0	10.5
7	8.4	9.2	7.7	13.2	10.1	18.3	15.7	11.7	11.4	[illegible]	11.2	11.2
8	11.2	13.7	10.1	12.0	22.0	15.8	16.1	11.6	22.4	[illegible]	15.9	10.5
9	9.0	12.6	9.7	13.2	18.8	16.7	14.3	14.4	30.3		12.6	10.7
10	17.5	9.1		12.4	14.6	9.5	12.3	14.8	22.6		10.5	10.0
11	12.3	10.9	16.9	8.9	13.1	13.7	13.4	7.1	11.4		19.3	11.1
12	9.7	14.7	11.7	11.3	9.5	10.0	10.2	8.2	8.2		14.4	12.5
13	9.8	15.6	9.5	13.8	7.9	7.8	7.4	10.5	8.1		10.2	11.3
14	14.4	12.3	8.6	15.9	11.3	12.5	8.6	14.2	14.0		8.4	11.7
15	13.1	10.3	16.6	12.1	9.3	13.9		14.1	9.5		9.2	9.9
16	13.6	7.3	11.7	11.3	9.2	13.8	8.3	14.1	9.9	10.1	12.1	10.4
17	9.4	7.9	10.3	11.8	13.4	11.6	10.6	13.8	17.1	17.3	10.3	9.2
18	15.4	13.9	8.4	12.6	19.6	10.5	10.2	13.4	16.4	12.8	16.9	14.8
19	15.3	11.1	9.7	14.7	12.1	10.8	14.7	12.1	11.2	9.1	10.9	15.1
20	12.5	12.9	8.9	10.0	11.8	10.2	9.3	10.2	8.8	8.6	13.1	15.0
21	15.1	13.3	13.3	11.0	12.5	13.5	9.7	11.1	13.9	9.3	8.8	16.1
22	13.4	12.9	7.9	10.5	10.8	18.4		14.8	8.9	11.9	8.0	9.9
23	14.4	11.9	8.6	12.7	16.1	22.8	10.7	12.8	13.6	12.4	7.1	9.1
24	10.2	10.3	13.6	13.6	11.3	14.7	10.8	11.1	12.2	9.3	7.2	8.5
25	11.2	13.1		10.6	13.5	11.7	9.5	9.1	10.3	9.2	21.7	9.9
26	11.6	13.2	11.8	10.7	21.1	8.6	20.1	8.7	10.6		15.7	9.7
27	13.5	19.0	8.4	12.1	10.3	9.5	10.2	11.1	10.0	13.5	13.5	9.1
28	11.6	17.1	16.7	11.4	15.0	9.4	13.7	16.5	11.3	12.0	10.4	10.5
29	12.4	11.0	21.8	10.1	16.8	9.2	9.5	12.0	11.5	13.7	8.4	10.8
30	10.6	11.5	11.9	8.9	13.5	12.8	7.4	8.8	21.1	7.5	8.7	11.3
31					19.2	9.3	7.9	8.6				
Maximum												
Yearly	23.7	19.0	21.8	15.9	22.0	22.8	20.1	17.5	30.3	23.0	34.2	18.2
Monthly	23.7				22.8				34.2			

TABLE 13. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON SMALL TOWER AT 18-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.4	10.6	9.5	9.6		15.6	10.0	9.9	3.2	9.8	9.3	10.1
2	9.6	10.7	13.5	8.8		8.2	10.6	9.4	6.7	13.8	11.0	11.7
3	10.0	17.1	10.4	10.3		11.2	12.7	21.1	6.9	14.6	9.0	9.7
4	9.4	14.8	10.2	9.1		12.2	16.7	18.8	6.6	11.4	7.9	9.9
5	12.6	10.5	14.2	9.5	6.4	12.0	8.9	16.1	7.2	11.2	8.8	13.8
6	18.2	11.3	6.9	9.3	17.9	16.0	8.3	8.9	14.3	13.2	9.1	15.5
7	21.6	12.4	11.3	10.9	17.1	17.9	7.8	4.7	6.6	12.3		14.5
8	10.1	10.9	14.2	11.0	19.8	12.0	8.5	13.2	1[illegible]	12.7	9.1	12.4
9	10.4	11.2	18.9	8.9	7.8	10.5	8.5	8.2	12.6	12.6	8.2	8.6
10	9.5	9.8	13.2	8.9	10.6	10.4	13.9	9.0	11.3	9.5	16.1	10.4
11	10.3	8.5	9.8	10.9	10.0	14.5	18.4	11.4	18.0	14.5	8.4	7.9
12	8.6	9.1		15.3	9.2	20.0	8.2	11.9	8.8	20.6	12.5	9.7
13	11.1	13.6	9.2	11.1	10.9	23.1	9.4	9.0	14.0	13.3	9.4	11.5
14	12.4	14.3	9.3	7.6	9.6	13.8	9.9	13.0	21.1	13.2	11.1	12.2
15	12.5	14.1	5.8	6.5	9.3	7.1	8.8	10.7	9.1	11.1	9.1	10.4
16	8.6	17.1	6.0	12.9	9.2	8.7	8.0	9.4	8.9	11.3		8.5
17	6.8	10.6		10.4	9.5	9.0	9.1	13.9	5.9	8.0		13.0
18	10.5	18.1		9.9	7.9	8.6	9.3	13.7	6.8	9.7	5.6	10.7
19	12.4	10.0	12.4	10.9	8.8	9.8	8.1	11.3	15.1	12.0	8.0	11.9
20	11.8	9.2	10.4	8.7	9.7	13.1	8.0	8.7	11.8	8.5	14.3	14.1
21	17.1	8.1		8.5	7.4	13.0	6.8	9.7	18.7	7.5	13.3	10.8
22	14.4	9.6		15.1	14.2	11.6	8.3	11.0	6.5	8.9	10.0	10.2
23	12.4	8.4		17.3		10.6	9.2	17.7	6.9	11.7	13.4	11.1
24	15.9	11.2	9.4	10.8		10.9	8.4	11.5	5.5	10.8	11.3	9.1
25	9.2	12.7	9.0	23.0		8.9	8.9	12.3	7.5	9.5	9.6	8.0
26		14.5	8.8	18.2		8.8	15.0	11.8	10.3	14.8	12.4	8.2
27		13.7	9.2	8.9		9.2	17.1	12.9	10.2	12.7		11.1
28		10.4	11.7	12.5		9.2	16.4	16.7	17.7	13.9	21.4	14.3
29		18.4	10.8	14.7		8.3	13.7	16.3	13.2	11.5	12.7	17.3
30		26.2	11.2	15.8		8.0	14.7	11.4	7.2	9.9	12.5	14.1
31		17.9	9.1	13.3		8.7	9.0	8.6				
Maximum												
Yearly	21.6	26.2	18.9	23.0	19.8	23.1	18.4	21.1	21.1	20.6	21.4	17.3
Monthly	26.2				23.1				21.4			

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TABLE 14. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON SMALL TOWER AT 18-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	13.2	10.8	11.0	14.6	5.9	9.4	9.3	17.7	15.3	5.6	9.4	8.5	14.8
2		11.5		13.5	18.9	8.0	8.5	7.2	11.5	5.2	10.7	7.1	8.5
3	9.0	9.9	7.1	22.6	16.3	10.6	7.3	8.4	7.0	9.8	17.6	8.6	14.4
4	10.2	10.2		11.0	12.7	8.0	12.7	21.0	10.9	13.3	12.1	18.3	11.3
5	6.1	9.4	14.0	16.7	11.4	13.0	8.2	12.2	7.2	9.1	8.5	8.8	15.7
6	13.1	8.3	14.8	15.0	11.1	17.5	7.9	11.2	9.5	8.1	9.3	8.0	11.4
7	8.6	11.9	10.2	12.8	7.1	16.0	8.4	9.6	20.1	8.3	6.1	6.0	14.7
8	12.0	8.3	7.0	10.0	9.8	16.8	11.5	8.5	11.8	11.0	11.3	17.8	10.0
9	10.0	12.3	7.7	12.2	6.9	13.0	19.0	7.5	9.4	10.8	7.5	13.4	20.6
10	6.2	10.9	10.0	10.6	9.6	12.8	12.6	6.5	8.4	14.8	14.8	11.3	21.7
11	12.9	10.0	12.9	14.8	5.5	11.7	24.3	6.2	8.4	9.5	25.5	14.6	12.2
12	8.2	8.8	14.4	10.7	5.6	11.4	18.6	11.4	8.3	12.6	10.1	9.2	12.2
13	11.2	11.9	15.6	10.2	14.0	11.3	12.8	11.7	10.4	13.0	7.4	7.5	13.1
14	12.3	14.8	15.9	8.8	17.4	7.9	9.0	15.3	7.2	10.9	7.1	17.0	8.8
15	8.8	11.3	18.6	6.6	15.5	10.7	8.1	14.3	9.5	11.5	7.4	17.3	9.2
16	6.2	10.8	15.6	6.8	16.2	12.1	9.8	13.6	11.3	9.6	10.2	9.0	6.6
17	6.0	10.9	20.6	8.0	10.2	9.8	7.0	13.5	13.6	10.2	5.4	6.4	12.2
18	7.6	12.4	18.5	11.2	10.0	8.9	13.1	12.9	8.8		9.3	5.6	9.5
19	15.8	13.8	22.3	16.3	10.1	11.5	13.7	15.0	15.3	9.3	7.0	10.0	8.9
20	14.1	10.9	7.2	9.5	9.5	6.8	9.6	18.9	21.1	8.2	6.9	7.5	9.9
21	10.4	12.3	10.5	8.9	14.1	5.0	10.6	14.0	11.4	8.9	10.7	6.8	14.0
22	9.4	10.4	10.6	8.5	19.9	6.1	7.0	13.1	9.3	6.0	10.0	13.7	19.8
23	9.8	13.5	10.4	19.3	14.7	14.2	7.4	8.7	9.4	11.6	20.3	14.7	8.2
24	6.7	13.0	11.7	19.5	12.1	13.3	6.6	13.7	10.3		12.4	14.5	8.1
25	6.7	8.1	12.3	16.4	8.6	9.4	15.3	8.5	12.7		7.7	10.2	14.7
26	11.8	12.5	14.1	13.7	6.9	9.2	10.4	13.4	14.4		8.1	6.9	19.2
27	12.5	7.6	9.3	7.0	7.1	13.9	9.3	9.8	8.8	7.3	8.5	13.2	11.3
28	10.5	12.8	10.7	18.2	17.0	12.6	13.0	12.1	12.4	16.4	17.5	17.1	7.0
29	9.1	12.1	10.1	19.2	17.3	9.5	6.4	13.6	12.3	12.0	8.9	11.1	11.4
30	7.6	12.3	9.1	19.9	10.6	14.2	13.5	11.6	13.1	8.8	9.4	6.5	16.2
31	6.5	12.5	10.0	21.7					8.3	10.7	7.2	13.5	11.8
Maximum													
Yearly	15.8	14.8	22.3	22.6	19.9	17.5	24.3	21.0	21.1	16.4	25.5	18.3	21.7
Monthly	22.6				24.3				25.5				

TABLE 15. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 18-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	6.4	13.3	7.6	18.3	11.9	13.5	6.4	8.5	11.6	21.4	13.4	13.9	18.5	13.4	10.9
2	12.4	13.7	6.4	12.8	12.5	17.1	10.8	10.7	9.8	21.2	10.9	10.4	10.5	12.4	10.6
3	8.1	16.8	7.9	6.8	16.4	10.2	9.9	15.6	21.3	24.7	12.1	6.4	14.0	22.1	12.8
4	7.8	17.5	14.0	18.8	17.2	15.8	9.2	9.4	20.5	25.5	17.4		11.7	21.0	18.3
5	15.9	11.9	1[illegible].3	17.3	12.0	14.8	10.8	9.7	8.3	16.0	19.5			15.9	23.1
6	14.9	9.5	10.3	12.8	16.4	9.0	11.8	20.0	9.6	14.9	17.8	15.9	10.8	20.4	7.5
7	12.4	14.1	18.1	12.1	14.5	8.6	11.7	15.5	9.3	14.4	11.3	12.4	15.8	18.4	12.0
8	13.4	12.1	15.8	7.8	13.9		12.9	21.1	9.9	13.4	12.5	11.1	12.3	15.8	16.4
9	12.0	7.1	14.3	9.3	13.7	15.6	17.4	12.7	1[illegible].7	12.8	13.9	12.0	10.6	23.0	21.6
10	11.9	14.7		14.7	1[illegible].3		7.0	11.8	11.8	16.8	14.3	10.2	13.6	13.7	6.9
11	16.6	16.4	12.8	18.2	10.1		15.2	13.0	7.6	11.2	11.3	8.9	12.4	12.8	14.8
12	13.6	7.4	15.8		9.2		15.6	15.3		10.0	12.4	10.9	25.5	8.5	15.9
13	9.9	8.0	10.8		18.1		24.0	12.9	13.6	7.5		7.6	18.2	12.0	17.5
14	6.4	12.8	7.9		10.5	9.4	9.5	7.6	13.6	9.7		7.4	13.8	12.2	20.7
15	15.8	10.6	14.7	8.8	13.6	12.1	11.6	11.1	23.7	12.9	12.0	14.3	14.7	10.6	15.9
16	13.9	14.0	8.7		15.8	10.7	6.4	7.7	17.8	10.1	15.3	21.4	13.8	14.2	11.8
17	11.0	11.4	13.0	11.1	11.5	12.9	9.0	11.9	12.1	19.7	11.1	9.1	16.4	14.4	13.8
18	7.7	13.2	11.3		12.6	10.3	13.6	17.7	12.1	7.7	12.1	18.0		18.7	9.7
19	14.0	13.3	10.8		9.7	20.6	13.7	15.6	10.0	11.5	5.8	13.1	8.0	14.4	12.1
20	7.2	12.9	10.6		14.3	14.3	9.8	11.7	10.4	17.1		11.5	8.8	6.9	11.8
21	10.4	8.0	7.4		13.5	17.1	13.4	9.3	13.6	16.2	8.2	11.3		7.5	12.7
22	25.4	9.9	7.2	6.2	15.2	15.5	9.0	9.8	6.5	9.7	10.3	10.2	16.3	9.4	15.7
23	17.1	6.1	12.4	9.2	13.6	20.7	13.2	11.0	13.0	6.4	13.4	9.7	18.6	14.0	13.4
24	10.9	13.2	18.0		13.0	18.6	10.1	15.0	14.8	9.0	10.8	12.9	13.3	20.5	14.7
25	20.1	8.3	14.0	13.4	10.0	10.0	14.1	13.3	13.4	15.6	17.5	9.5	9.2	11.8	12.6
26	21.1	11.5	16.4	13.4	8.7	11.9	13.6	9.8	13.4	17.8	9.9	11.5	11.1	11.3	17.0
27	20.6	16.3	12.5		8.1	18.5	12.6	17.8	7.7	10.6	11.8	14.7	11.3	10.3	13.6
28	8.8	13.2	8.2			18.1		9.6	7.6	8.7	14.3	12.4	11.1	11.0	14.9
29	25.6		8.5	11.5	12.0			23.0			6.2	11.7		8.8	14.3
30	18.7	7.6	8.0	10.3	16.6						12.2	15.0	8.3	9.1	13.4
31	15.4	6.8	5.9	6.8	16.5						14.6	15.8	11.0	11.3	9.6
Maximum															
Yearly	25.6	17.5	18.1	18.8	18.1	20.7	24.0	23.0	23.7	25.5	19.5	21.4	25.5	23.0	23.1
Monthly			25.6					25.5					25.5		

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TABLE 16. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 18-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	15.6	14.4	8.0	10.0	13.3	12.4	10.6	12.2	12.9	9.8	9.0	9.7
2	16.0	10.5	14.3	10.6	11.3	12.3	10.6	12.7	11.3	22.0	9.0	8.4
3	11.3	8.3	12.0	8.5	9.9	10.2	10.2	18.2	14.1	11.9	16.2	8.8
4	26.2	7.8	15.1	10.1	9.9	16.5	13.5	10.6	12.4	9.3	24.8	10.7
5	20.5	8.1	13.0	11.8	17.5	10.5	16.7	11.7	11.3	10.1	32.0	19.2
6	11.2	10.4	10.2	12.5	11.7	11.1	9.8	11.9	16.5	10.1	21.1	9.9
7	9.3	9.1	8.0	13.2	11.3	17.0	15.8	12.6	10.3	10.3	12.2	
8	12.4	13.8	11.1	11.6	20.1	16.1	14.4	12.1	22.6	11.1	15.9	10.8
9	9.3	12.1	10.2	13.5	20.5	16.9	13.9	14.3	29.9	8.5	12.7	11.0
10	18.5	9.8	12.2	12.9	15.9	9.7	12.0	15.1	19.6	10.7	10.2	11.2
11	12.9	7.9	17.6	9.2	13.8	13.4	14.2	7.1	12.0	11.2	18.3	11.4
12	10.5	14.8	11.8	11.3	9.9	10.4	11.3	8.5	8.8	9.9	14.6	12.2
13	10.3	16.0	10.4	13.8	8.6	8.5		11.0	9.1	12.5	10.2	11.5
14	15.3	12.1	8.5	16.0	13.8	13.5		14.9	13.1	14.4	9.3	12.4
15	14.6	10.3	16.3	11.9	9.7	13.6		14.1	8.2	10.8	9.3	10.3
16	14.9	7.2	11.9	12.6	9.7	14.0	8.5	13.7	8.6	10.2		10.2
17	9.8	8.0	11.2	11.7	13.9	11.6	10.8	14.6	15.4	16.8	10.8	8.6
18	16.5	12.4	8.7	13.1	21.6	9.8	11.0	14.3	13.4	12.6	17.8	15.6
19	16.0	11.1	11.8	14.2	11.4	10.5	16.4	12.5	10.8	9.0	16.0	16.6
20	13.3	12.8	9.3	9.2	8.3	9.5	10.8	10.3	7.2	8.1	14.0	15.9
21	18.6	14.0	13.2	11.4		13.4	10.7	13.8	10.8	9.9	9.4	15.7
22	16.5	11.6	8.1	11.0		17.6	10.5	16.1	7.7	11.5	8.4	9.5
23	14.9	11.1	10.0	12.5	14.9	23.5	10.0	12.7	12.2	14.4	8.9	8.9
24	10.4	10.5	14.0	13.8	9.8	14.6	12.4	11.5	10.3	12.9	7.7	9.2
25	11.8	12.6	15.1	10.0	12.5	11.3	9.9		9.9	9.1	20.7	9.4
26	11.1	12.9	15.3	11.4	19.7	8.1	20.4	9.4	9.2		16.2	
27	13.9	20.6	8.4	12.0	9.3	9.8	12.4		8.2	14.1	14.3	9.2
28	12.0	16.9	15.5	11.9	13.5	9.4	14.3	15.8	9.7	12.3	12.0	10.7
29	12.5	10.1	23.7	10.2	17.0	8.4	9.6	12.7	10.2	13.8	8.5	9.9
30	12.5	11.3	13.0	8.4	11.0	11.7	8.4	8.4	19.0	8.2	9.0	12.5
31					18.4	9.1	9.7					
Maximum												
Yearly	26.2	20.6	23.7	16.0	21.6	23.5	20.4	18.2	29.9	22.0	32.0	19.2
Monthly	26.2				23.5				32.0			

TABLE 17. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 18-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	15.3	11.5	10.6	10.3		16.1	10.7	9.3	4.2	9.1	8.7	10.8
2	8.4	12.4	13.6	8.7		8.0	10.1	10.8	7.4	13.5	10.0	11.7
3	7.2	17.5	10.7	10.1		11.1	12.0	22.8	7.4	15.4	9.5	8.7
4	8.2	15.6	10.6	9.1		12.6	16.8	19.0	7.5	11.1	8.4	10.1
5	10.8	9.9	14.9	9.8	6.3	13.3	9.1	13.1	8.3	11.7	9.2	13.6
6	16.4	11.3	8.2		15.8	16.3	7.8	10.7	14.4	13.0	9.5	15.7
7	18.5	12.8	10.7			17.8	9.5	4.8	7.5	11.8	9.6	14.5
8	9.8	11.7	15.4	11.5	19.3	11.5	8.4	13.4	12.0	13.0	10.2	12.6
9	9.2	11.5	18.3	9.1	7.8	10.4	9.7	9.7	12.0	12.8	8.4	17.8
10	9.2	10.5	14.6	8.8	11.7	11.3	14.6	9.2	12.2	9.1	17.8	10.6
11	8.5	8.7	9.8	11.3	9.1	13.6	18.2	13.1	17.5	15.4	9.0	7.2
12	8.3	3.9	9.3	14.5	9.3	20.0	9.0	12.5	9.9	20.3	12.1	9.2
13	9.8	14.0	9.7	12.8	10.1	20.6	9.0	9.7	15.0	12.4	9.7	11.8
14	11.2	13.8	9.8	7.9	8.7		9.8	13.2	20.9	12.8	11.0	12.3
15	10.7	13.0	7.3	6.6	9.5	6.4	9.1	10.3	10.1	9.7	8.8	
16	7.5	19.2	6.7	11.3	9.4	8.5	7.8	9.4	9.4	10.0	7.9	8.2
17	7.2	11.2	6.8	13.9	9.5	9.8	10.0	14.2	6.1	7.9	7.2	12.6
18	9.9	18.9	9.0	12.7	8.7	7.9	10.3	13.8	6.0	9.4	8.2	10.8
19	11.4	9.7	11.6	11.4	9.6	9.9	8.5	11.8	15.3	11.6		12.7
20	11.9	8.4	9.2	8.3		11.5	8.1	8.6	12.5	8.1	14.7	13.5
21	17.5	8.0	8.2	8.2		13.6	7.6	9.7	19.7	7.6	13.5	11.8
22	13.5	10.3	8.9	15.7		11.8	8.7	12.2	7.2	8.8		
23	11.9	9.5	8.6	17.2		10.4	9.7	20.3	7.5	11.5	13.4	11.6
24	14.9	9.9	8.4	12.5		9.8	8.9	12.8	7.3	10.2	11.0	9.5
25	12.7	11.9	8.7			13.3	9.7	12.9	7.7	10.5	10.7	8.0
26		14.3	7.7	18.3		14.7	15.0	11.9	10.6	13.7	12.9	8.2
27		13.5	7.2	9.0		15.2	10.1	14.0	11.7	12.6	11.0	11.3
28		12.3	11.1	13.7		14.5	15.4	18.7	19.0	14.3	23.6	15.0
29	9.2	19.9	10.0	14.9		8.9	12.4	17.7	12.8	11.3	13.6	18.7
30	13.3	25.4	10.7	15.8		7.2	14.9	11.9	8.1	9.6	13.4	14.7
31	11.2	18.3	9.1	12.9		8.5	8.3	8.3				
Maximum												
Yearly	18.5	25.4	18.3	18.3	19.3	20.6	18.2	22.8	20.9	20.3	23.6	18.7
Monthly	25.4				22.8				23.6			

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TABLE 18. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 18-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	13.8	11.7	12.3	14.3	7.6	9.4	9.8	16.8	14.7	7.2	9.1	8.6	14.4
2		12.3	9.2	14.6	18.9	8.2	8.8	7.4	13.7	6.1	10.3	7.8	8.2
3	10.7	10.3	8.3	25.0	17.0	10.4	7.7	8.3	6.8	11.3	19.6	9.2	13.6
4	11.1	10.0	8.0	11.4	15.[illegible]	8.0	13.3	23.4	11.4	14.0	12.0	19.9	10.6
5	7.0	8.7	15.8	17.8	11.9	13.4	9.5	12.8	6.9	9.5	8.7	8.8	12.0
6	13.5	8.4	16.3	15.4	11.9	16.7	8.4	11.1	9.4	10.0	6.0	8.6	12.5
7	9.9	12.4	11.6	12.5	8.4	17.5	8.0	10.2	22.6	6.6	6.3	7.1	16.3
8	13.2	9.6	7.9	9.6	11.1	19.2	11.8	8.2	11.0	11.4	11.4	18.1	11.4
9	10.9	12.2	8.1	12.3	8.4	12.8	16.9	7.4	8.3	10.[illegible]	7.5	13.4	22.0
10	5.5	11.9	9.7	10.3	13.3	11.3	13.4	5.8	10.3	13.1	14.3	11.2	21.7
11	13.4	9.2	13.6	14.7	6.4	11.4	25.4	6.3		8.9	20.1	14.7	11.8
12	9.8	7.9	14.8	11.3	6.5	10.7	20.2	9.7		10.7	10.4	9.0	12.1
13	12.5	13.4	16.2	19.6	14.7	11.5	12.7	11.9		12.7	8.3	7.2	13.2
14	12.9	15.5	15.6	9.0	16.7	7.4	9.7	14.9	6.6	11.4	7.4	16.6	8.5
15	10.2	11.2	19.9	8.0	16.4	10.9	8.2	15.4	12.5	10.9	8.0	17.1	9.9
16	8.3	12.3	15.4	7.0	15.7	11.7	9.7	12.6	13.1	9.2	10.6	8.4	6.1
17	7.8	11.7	19.8	8.3	11.0	9.8	7.4	13.5	14.2	9.7	6.4	5.9	13.2
18	9.1	12.7	19.3	11.8	10.0	9.0	13.2	12.5	8.5	15.3	9.7	5.5	9.6
19	16.4	13.4	21.1	17.7	11.1	11.5	14.7	16.0	16.6	11.2	6.9	9.8	8.3
20	16.7	10.3	7.7	9.8	10.6	7.4	10.1	18.9	22.1	7.9	6.9	7.5	11.2
21	12.4	11.2	10.4	10.3	16.1	5.7	11.1	14.3	10.8	7.1	11.1	6.8	14.5
22		10.6	10.5	8.7	21.6	7.4	7.1	12.8	8.8	5.1	10.0	13.2	18.8
23		14.8	11.6	19.6	15.3	15.0	7.8	8.1	9.2	13.0	20.8	15.6	8.1
24	7.6	10.9	10.8	20.7	13.5	13.6	6.8	13.1	11.3		12.5	14.3	7.8
25	7.7	8.5	11.9	16.9	9.6	9.6	15.0	8.5	12.4		7.6		14.5
26	13.8	12.9	16.0	13.9	8.5	7.3	11.3	13.1	15.0		7.4	6.0	21.0
27	15.0	7.1	9.1		7.9	13.4	9.4	9.8	9.3	7.1	9.1	12.[illegible]	12.0
28	12.0	13.8	10.8	17.7	19.0	11.7	13.2	12.6	12.4	14.6	18.2	17.3	6.8
29	10.8	12.0	11.3	20.9	18.2	10.3	6.2	14.5	12.4	12.0	9.3	11.9	11.7
30	8.6	11.6	9.6	20.3	11.5	13.4	13.4	11.9	11.3	9.5	10.3	6.5	15.9
31	6.5	12.1	10.5	19.3					8.3	11.2	7.7	14.4	11.2
Maximum													
Yearly	16.7	15.5	21.1	25.0	21.6	19.2	25.4	23.4	22.6	15.3	20.8	19.9	22.0
Monthly	25.0				25.4				22.6				

TABLE 19. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 30-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	7.2	12.1			12.9		7.2	10.1	11.1	23.3	13.4	14.1	20.3	14.8	11.6
2	11.7	12.5			13.9	15.9	11.0		10.1	22.2	10.1	10.8	10.9	14.1	11.2
3	8.2	15.4	9.2	7.6	16.8	8.8	8.9		21.7	25.2	10.6	7.6	15.8	23.6	12.6
4	7.6	18.6	13.9	18.1	16.9	15.2	9.8			23.6	14.8	8.3	13.0	21.9	23.5
5	12.9	12.9	14.8	17.9	13.9	13.9	11.0	10.1	8.3	18.7	19.6	14.6		17.9	23.3
6	14.8	9.2	10.4	12.4	18.0	8.3	15.1	19.3	9.4	15.6	17.6	16.3	10.9	20.6	7.7
7	11.2	14.3	17.1		16.2	7.7	21.0	16.2	9.9	15.3	11.3	13.2	15.9	19.1	13.0
8	14.2	12.0	16.7	8.3	14.7		12.9	24.1	11.9	13.3	12.2	10.9	12.0	14.5	18.1
9	11.9	7.1	13.9	10.1	14.3	14.8	20.7	13.2		14.3	13.4	12.5	13.3	24.9	21.6
10	10.0	15.3		15.0	13.9	20.0	7.8	12.4	11.9	18.2	13.6	10.6	14.0	13.0	7.3
11	16.5	17.3	14.5	18.9	12.1	17.1	15.8	13.3	8.1	12.3	10.4	9.5	14.1	13.4	14.2
12	13.3	7.5	16.9	20.1	11.8	18	15.4	14.0	8.7	11.2	13.0	12.4	24.6	9.9	18.0
13	10.3		12.5	15.5	18.0	22.6	27.6	13.1	13.6	7.6	12.4	7.7	17.3	11.2	18.8
14	7.1		8.4	13.2	11.8	9.1	9.8	9.1	14.2	9.6	8.5	7.3	12.9	12.6	20.1
15	16.0			9.6	15.3	11.3	11.8		23.5	13.5	13.1	14.6	15.0	9.7	16.5
16	14.3	14.4	9.5	9.3	15.5	11.3	9.9	8.0	20.0	10.5	15.1	20.6	14.8	15.1	12.0
17	9.5	12.0		11.0	11.0	12.4	10.8	12.3	12.8	21.5	10.4	8.9	16.3	13.9	13.8
18		12.6	12.0	11.8	13.0	10.3	14.6	17.6	12.1	8.0	10.3	18.1		15.8	10.3
19	13.0	14.5	11.9	14.3	9.6	19.6	13.6	16.6	10.6	12.2	7.2	13.4	7.9	14.1	12.1
20	7.2	13.0	10.7	14.0	13.9	14.0	10.3	12.2	10.0	17.7		11.3	8.6	7.0	12.3
21	9.8	8.2	8.5	8.3	13.9	11.3	13.9	8.8	13.4	16.8	7.5	11.3		7.0	13.3
22	24.3	9.8	8.8	6.1	15.1	17.7	9.4	10.3	6.6	10.2	9.6	9.1	18.3	10.0	15.6
23	16.5	8.4	13.3	9.8	14.4	20.6	13.3		13.4	6.7	12.4	9.1	20.5		13.9
24	10.6	12.4	19.4	8.6	14.2	18.5		16.8	17.0	10.8	11.2	15.2	13.8		17.0
25	18.5	7.9	14.2	13.9	10.2	14.8		13.7	12.8	17.3	17.5	10.2	9.5	13.0	13.7
26	18.4	8.9	16.4	12.8	9.2	10.4		11.9	12.4	19.2	9.3	12.0	11.1	12.1	17.7
27	20.6	16.6	14.0	11.5	8.7	19.2			8.4	11.0	11.1	16.9	11.5	10.3	13.9
28	8.1	13.5	8.6	12.9	10.1	17.6		8.9	8.8	8.7	13.6	13.9	11.0	9.6	16.1
29	15.9	15.2	8.9	12.1	13.2			25.4			7.0	13.8	8.6	9.3	14.6
30	22.6	5.7	9.0		17.0						11.4	18.4	8.9	9.8	14.2
31	9.7	6.9		7.0	16.8						15.6	19.2	11.5	12.5	10.3
Maximum															
Yearly	24.3	18.6	19.4	20.1	18.0	22.6	27.6	25.4	23.5	25.2	19.6	20.6	24.6	24.9	23.5
Monthly			24.3					27.6					24.9		

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TABLE 20. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 30-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.9	17.9	8.1	9.5	13.1	12.2	10.7	12.6	12.4	9.7	8.8	9.3
2	17.4	13.1	14.9	10.6	10.9	13.0	9.9	13.9	11.3	22.1	9.3	8.6
3	10.8	9.1	11.8	8.1	10.4	10.8	10.7	16.7	12.9	11.6	15.9	9.0
4	25.2	7.9	16.0	10.1	10.8	16.4	13.9	11.2	13.3	9.4	25.0	11.1
5	16.5	7.7	13.2	12.6	17.9	10.2	16.7	12.0	10.8	10.3	37.3	19.7
6	10.7	10.9	10.3	12.4	11.9	11.8	10.4	13.3	15.6	9.9	23.6	10.3
7		9.2	8.1	13.4	11.4	18.4	16.8	13.1	9.8	10.3	12.3	9.9
8	11.7	14.0	11.1	11.9	27.8	16.6	17.1	11.8	24.3	10.3	16.3	10.3
9	10.3	13.0	10.8	13.7	19.5	17.1	14.9	14.2	30.3	8.9	12.5	10.5
10	18.2	10.2	11.8	13.1	16.2	10.4	14.2	15.5	19.6	11.2	11.0	
11	11.2	8.1	17.5	9.3	13.8	14.6	14.0		11.3	13.0	18.8	
12	10.3	15.7	12.5		10.3	10.1	12.0	8.4	8.3	10.4	16.2	12.6
13	10.1	17.1	11.0	14.0	8.3	7.8	8.5	11.5	8.3	12.9	12.1	
14		12.3	8.8	16.6	13.6	13.4	9.7	16.1	12.4	13.6	9.5	
15	13.9	10.0	17.5		9.9	14.6	8.0	14.6	8.2	11.1	10.0	
16	13.7	7.3	12.1		8.8	13.9	9.5	14.4	7.5	9.7	13.1	10.8
17	9.0	8.4	10.6	13.0	13.1	11.0	11.6	15.1	16.5	18.0	10.1	9.1
18	16.1	14.4	8.8	13.4	20.5	10.0	11.1	13.5	12.5	14.6	17.5	16.5
19	16.0	13.5	10.2	14.9	11.6	11.6	18.4	12.9	9.4	10.0	15.5	17.3
20	13.0	13.2	9.6	9.1	9.2	9.9	10.8	10.1	7.0	9.3	13.9	15.7
21	15.0	14.6	13.5	11.8		13.4	10.9	14.3	11.3	9.6	9.3	15.5
22	16.4	13.4	8.9	11.3		19.1	10.7	14.4	6.8	12.7	8.2	9.3
23	15.4	13.0	10.9	12.7	14.9	28.1	10.3	12.7	11.4	17.5	9.2	9.1
24	11.3	10.9	16.4		9.8	15.4	11.8	11.5	9.9	14.3	8.2	8.7
25	11.0	13.6	15.8	10.9	12.9	11.3	10.6	8.1	8.2	9.8	21.2	10.1
26	11.3	13.7	16.8	10.6	18.4	9.1	18.2	8.9	8.8		15.9	10.3
27	14.0	19.2	9.9	12.3	9.2		11.8		7.9	15.7	13.0	11.3
28	12.4	17.3	15.9	11.9	13.0		15.1	17.2	8.8	12.1	11.8	
29	13.8	9.7	24.1	10.6	15.9	10.1	9.2	12.7	9.4	15.1	9.0	9.4
30	12.4	11.2	12.5	8.8	8.6	13.5	8.8	8.1	18.7	8.4	9.3	13.4
31					17.4	9.1	8.8	8.5				
Maximum												
Yearly	25.2	19.2	24.1	16.6	27.8	28.1	18.4	17.2	30.3	22.1	37.3	19.7
Monthly	25.2				28.1				37.3			

TABLE 21. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 30-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	15.1	12.2	11.0	9.5		17.1	10.2	9.1	4.9	9.1	9.4	11.5
2	7.8	13.2	13.9	8.5		8.6	10.5	10.3	7.9	15.5	9.6	12.1
3	6.2	17.9	11.3	10.4		11.1	13.0	24.1	7.6	15.7	9.2	8.9
4	8.0	16.4	11.2	10.2		14.0	17.0	20.9	8.0	12.1	9.1	13.8
5	10.4	10.3	17.3	9.6	8.0	13.5	9.9	12.9	8.7	11.6	9.5	12.8
6	14.9	11.7	7.6	10.1	15.6	18.4	8.1	10.0	15.8	13.0	9.2	15.9
7	19.4	12.9	10.7	10.8		18.7	8.9	5.2	8.0	11.8	8.0	15.2
8	8.3	10.7	15.7	11.2	20.2	12.8	8.8	13.5	12.4	12.8	9.6	12.1
9	8.3	11.6	19.3	9.4	7.9	10.3	9.1	9.5	12.9	12.4	8.4	17.9
10	8.4	10.1	15.6	9.2	11.0	12.7	16.4	10.0	12.0	9.0	17.9	12.3
11	8.5	8.4	10.1	10.8	10.5	14.9	19.2	12.9	18.8	15.4	9.2	7.7
12	7.2	9.5	9.7	15.2	9.4	22.0	9.1	11.8	10.5	22.3	13.2	9.5
13	9.5	14.6	10.6	13.2	10.8	25.0	9.8	9.1	15.3	13.1	10.0	11.8
14	11.3	15.4	9.1	9.0	9.5	16.9	9.7	13.0	22.2	12.0	11.8	12.5
15	10.3	15.4	7.0	6.8	9.4	6.5	9.1	10.9	10.2	10.9	8.6	11.2
16	7.5	18.3	6.9	12.7	9.4	8.3	7.8	9.7	9.7	9.8	8.0	8.7
17	5.8	11.9	7.4	11.0		9.3	10.4	14.6	7.5	7.6	7.7	13.6
18		19.0	8.8	14.7	9.1	8.6	9.4	14.1	8.8	9.2	8.3	10.6
19	9.9	10.6	13.4	10.1	9.6	10.6	8.7	12.2	17.1	11.3	8.6	12.0
20	9.7	9.4	9.5	8.9	9.7	13.1	8.0	8.8	12.9	9.1	14.9	13.8
21	14.4	8.7	7.8	8.4	7.2	14.4	6.8	9.2	22.7	6.8	13.8	11.1
22	10.8	10.5	9.0	15.5	15.6	12.6	8.7	12.0	7.9	9.3	10.0	11.0
23		8.6	8.4	18.2		10.5	9.5	20.5	8.3	11.5	14.5	11.9
24		10.8	8.9	13.6		10.0	8.3	12.9	6.8	10.7	11.3	9.9
25	10.2	12.4	8.6	17.6		9.3	9.4	12.7	7.9	9.3	10.0	7.7
26		15.1	8.1	18.4		9.1	15.0	11.5	11.1	13.5	13.2	8.5
27		11.7	7.7	9.4		8.6	10.1	13.9	12.1	12.9	10.6	10.9
28		12.7	11.6	13.5		10.0	17.1	17.0	19.7	15.5	22.1	15.7
29	9.2	21.3	9.9	15.1		9.3	14.0	18.2	13.4	11.6	13.5	17.1
30	14.8	28.2	11.0	15.2		7.2	16.6	11.2	8.5	10.0	13.8	15.9
31	10.4	17.2	8.7	13.8		8.0	8.8	8.4				
Maximum												
Yearly	19.4	28.2	19.3	18.4	20.2	25.0	19.2	24.1	22.7	22.3	22.1	17.9
Monthly	28.2				25.0				22.7			

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TABLE 22. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 30-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	15.4	12.3	11.6	14.2	8.3	9.6	10.0	19.3	13.2	7.6	10.0	8.5	15.0
2		12.3	9.4	14.0	20.2	8.1	8.9	7.5		6.8	10.9	7.6	8.8
3		10.5	7.6	25.1	18.0	10.6	8.6	8.6	6.8		19.4	9.6	14.4
4		9.7	8.7	11.4	13.5	8.4	13.1	20.8	9.5		12.1	20.3	11.7
5		8.3	14.2	17.9	13.8	13.1	9.7	13.0	8.3	7.9	9.6	10.8	12.2
6	14.5	8.8	16.3	15.0	12.8	16.8	7.9	11.0	8.8	10.8	7.1	7.2	11.9
7	9.7	12.0	11.5	12.7	8.4	19.6	9.0	9.7	19.4	6.2	7.7	7.6	16.3
8	13.2	8.4	7.9	10.2	11.3	18.6	11.8	8.6	11.7	11.8	12.0	18.0	10.3
9	11.8	13.1	8.7	12.5	8.4	14.3	17.9	7.3	8.4	10.5	8.4	13.3	20.9
10	7.2	12.2	10.1	10.1	10.0	12.4	14.1	6.3	8.5	15.1	15.2	11.3	23.2
11	14.0	8.6	14.2	14.7	6.5	12.6	25.5	6.2	9.5	10.5	20.4	14.0	14.0
12	10.3	7.9	14.8	11.0	6.5	11.4	21.4	10.5	9.4	11.0	11.4	8.9	12.1
13	13.7	13.8	16.5	10.1	14.9	11.8	13.9	12.2	9.3	11.2	8.4	8.2	13.8
14	13.3	15.9	16.7	9.0	16.6	8.4	9.5	15.3	5.2	12.1	7.5	18.0	9.1
15	10.2	11.5	19.5	8.0	15.2	12.0	8.5	15.6	10.4	11.2	8.3	17.8	10.1
16	9.7	11.8	15.7	7.1	16.7	12.4	9.6	13.4	11.4	9.8	13.1	9.5	6.6
17	7.6	11.8	19.7	8.0	11.1	10.4	7.9	14.7	13.5	10.5	6.5	6.5	12.8
18	9.4	14.1	19.6	11.4	10.9	9.4	13.4	13.3	8.2	15.8	10.0	6.8	9.1
19	18.0	13.9	21.7	17.4	11.1	11.5	14.9	15.2	16.4	11.8	7.8	10.9	8.4
20	17.2	11.3	7.1	10.1	10.4	8.0	10.9	20.1	22.0	8.4	7.9	7.9	10.3
21	11.9	11.6	13.4	8.5	16.5	6.4	11.9	14.1	9.8	7.9	11.2	7.3	15.7
22	11.3	10.7	11.0	8.1	21.9	7.0	8.4	13.3	9.3	6.2	9.9	13.9	20.4
23	11.8	14.8	12.0	20.5	16.3	15.1	7.7	8.7	9.3	13.1	21.9	15.8	9.1
24	7.4	11.8	13.0	21.2	14.0	14.1	8.0	14.0	10.9		13.0	15.4	9.0
25	7.7	6.6	12.1	17.4	9.7	11.1	14.1	8.9	12.9		8.2	11.0	15.1
26	12.7	12.9	14.0	14.0	8.4	8.0	10.3	14.3	14.9		8.2	7.0	21.0
27	13.5	6.4	8.9	7.3	8.8	14.8	9.8	10.1	9.3	7.4	9.8	14.0	11.9
28	11.2	13.2	10.8	18.9	18.2	13.7	13.2	12.5	11.1	16.5	19.0	16.9	7.2
29	10.0	12.9	10.3	21.0	18.9	11.3	6.9	15.0	11.6	12.1	9.7	12.4	11.7
30	8.4	12.7	9.2	19.6	12.7	15.3	12.4	11.2	10.8	8.6		6.9	15.5
31	7.4	12.2	10.6	21.2					6.3	10.7		15.3	11.5
Maximum													
Yearly	18.0	15.9	21.7	25.1	21.9	19.6	25.5	26.8	22.0	16.5	21.9	20.3	23.2
Monthly	25.1				26.8				23.2				

TABLE 23. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 60-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	10.0	12.2	10.0	19.9	12.1		7.7	10.3	11.5	23.8	16.0	14.0	21.1	13.3	12.3
2	13.1	13.1	7.5	12.9	13.3	18.5	9.4	12.4	11.4	23.0	12.5	10.6	11.7	13.2	11.8
3	9.4	16.1	10.9	8.7	16.3	11.0	9.2	17.2	22.6	27.6	12.4	8.5	15.2	23.5	13.2
4	9.7	19.3	14.6	20.2	17.2	16.3	11.1	11.5	21.5	24.3	14.9	9.0	14.4	22.1	22.9
5	13.4	13.9	15.2	18.4	12.7	16.0	12.2	9.4	9.8	16.8	21.1	14.6		17.7	24.9
6	17.2	9.7	11.5	12.9	18.5	10.4	15.4	20.5	10.7	17.4	19.0	16.4	12.1	21.4	8.5
7	13.4	14.0	19.6	13.7	16.7	8.8	17.7	17.1	10.0	16.7	12.9	14.3	16.1	21.8	14.2
8	15.2	12.9	18.5	9.5	14.7	8.4	14.3	24.6	11.8	13.6	13.5	11.5	11.8	18.1	19.7
9	13.1	8.9	14.9	10.2	15.5	15.4	21.9		15.8	13.4	14.0	13.1	14.8	24.4	22.9
10	12.4	15.9	13.3	14.4	13.8	19.7	8.4		13.2	17.5	14.4	10.5	16.1	14.5	9.2
11	18.0	17.3	14.0	19.0	14.4	18.0	17.2		8.5	13.3	12.4	11.1	15.9	15.0	15.7
12	14.6	9.2	17.3	21.0	13.8	18.7	17.2	13.8	9.8	11.3	12.4	11.3	26.1	9.6	19.1
13	10.4	10.7	12.2	17.6	18.8	24.2	27.9	13.4	13.0		12.9	8.6	18.6	11.7	19.6
14	10.4	13.6	9.9	14.4	13.3	10.4	11.3	9.9	16.0	9.5	10.3	7.8	14.2	12.5	20.3
15	18.3	10.6		11.0	15.8	10.6	11.6	12.4	24.6	13.6	14.8	14.6	15.8	10.9	17.3
16	15.6	14.5		10.4	16.9	12.7	9.1	7.2	18.6	11.5	16.0	23.0	15.8	16.5	13.1
17	11.4	12.5	14.6	12.6	12.5	13.5	10.6	12.8	13.8	18.5	12.4	9.5	18.5	16.4	15.7
18		13.4	12.7	12.4	13.1	11.6	13.4		13.0	9.1	10.3	19.0		20.2	10.8
19	14.9	14.9	13.6	15.3	10.4	20.9	14.2		12.0	11.5	8.3	14.0	8.1	13.6	12.3
20	8.9	13.7		13.9	14.2	15.9	10.2		10.7	17.4		12.1	8.5	8.8	13.2
21	11.3	9.8			12.9	13.7	14.6	9.1	13.8	16.9	7.2	11.0		7.3	14.2
22	28.3	10.7	7.3		16.0	17.8	11.2		8.7	11.6	9.4	11.0	17.7	9.7	17.9
23	20.6	8.8	13.8	10.3	14.5	23.7	13.9		13.3	6.9	11.2	9.7		16.1	14.5
24	11.8	13.3	19.9	9.6	14.3	21.8	12.1	16.9	15.8	12.2	12.2			21.6	14.8
25	19.2	8.7	14.7	14.6	9.8	12.4		13.5	12.6	17.9	18.7		9.6	13.6	14.3
26	19.7	13.0	17.4	13.8	10.5	10.6		11.3	14.2	19.8	9.9		11.1	13.1	20.8
27	22.9	17.1	14.9	12.6	9.1	22.5	9.1		8.0	11.0	12.2	15.2	11.2	10.7	13.9
28	9.1	14.0	10.1	14.5	10.2	20.6		10.4	10.5	9.1	12.5	12.1	11.0	10.2	17.3
29	21.5	16.1	9.5	13.7	13.5			27.0			7.4	12.9		9.7	14.5
30	20.4	7.4	5.9	11.5	16.9						13.0	16.9	8.8	9.5	15.6
31	12.2	6.4	6.9	7.6	19.0						15.0	17.4	12.2	12.6	10.7
Maximum															
Yearly	28.3	19.3	19.9	21.0	19.0	24.2	27.9	27.0	24.6	27.6	21.1	23.0	26.1	24.4	24.9
Monthly			28.3					27.9					26.1		

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TABLE 24. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 60-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.7		9.1	10.0	13.2	12.2	11.7	12.5	17.0	10.5	9.2	9.3
2	16.0		15.6	10.5	11.5	13.6	11.3	13.7	15.4	24.5	9.9	9.3
3	12.8	8.5	12.6	9.9	10.3	10.8	10.7	17.9	17.4	12.9	16.9	9.4
4	26.8	8.6		10.2	10.6	17.5	15.0	11.1	15.9	9.0	28.2	11.1
5	16.5	7.8	14.9	13.8	15.2	10.3	17.4	11.7	16.3	11.3	35.5	19.5
6	12.9	11.3	10.1	12.9	13.0	11.8	10.4	14.0	21.1	10.4	26.5	10.4
7	10.4	9.1	8.3	13.4	12.4	18.2	17.2	13.6	14.4	11.6		9.6
8	13.5		11.5	12.7	24.1	16.5	17.2	12.3	30.5	11.0	16.1	10.1
9	10.3		10.8	14.2	19.6	13.1	15.8	15.0	37.6	9.6	14.0	10.4
10	18.9	9.8	12.7	13.5	16.0	10.5	13.9	16.0	23.8	11.8	12.0	10.6
11	13.3	8.4	18.6	9.5	14.0	13.8	13.9	7.8	15.4	12.9	16.6	11.9
12	10.4	16.7	13.3	14.2	12.2	10.5	13.3	9.6	11.3	11.1	17.4	12.9
13	11.3	17.4		14.9	8.4		8.0	12.8	10.8	12.3	14.0	11.6
14	16.1	14.3	9.2	17.2	13.5		10.0	14.0	16.5	13.9	10.2	12.6
15	13.9	10.7	17.6	13.4	10.0	13.1	8.0	16.2	12.2	11.4	10.0	11.3
16	13.8	8.3	12.4	12.9	9.7	13.3	10.2	15.8	8.8	10.5	13.1	10.6
17	9.2	8.1	11.4	14.3	14.4	11.5	12.6	14.5	22.6	19.1	10.4	
18	15.6	13.7	9.0	13.8	21.0	9.5	11.3	15.1	16.5		18.2	16.8
19	16.4	13.4	12.6	15.6	16.1	10.1	19.6	12.8	11.4	10.8	17.6	18.4
20	13.4	13.8	10.7	10.6	12.2	10.7	9.8	10.7	8.8	9.6	15.1	17.6
21	15.4	14.1	13.2	11.5	13.4	13.1	10.3	13.6	14.6	9.9		15.3
22	14.5	12.2	9.5	11.4	12.2		10.0	15.5	9.5	14.2	8.5	9.2
23	15.3	12.4	11.2	12.9	17.0	25.7	10.6	12.9	14.4	18.3	9.2	9.4
24		11.4	15.4	14.4	13.0	14.9	11.3	11.1	12.9	14.4	8.3	8.8
25	11.8	15.0	16.6	11.8	15.7	12.0	11.1	8.4	10.8	9.1	23.3	
26	11.2	13.5	19.1	12.3	18.3	9.0	19.2	9.0	11.4		16.1	10.1
27	14.7	18.9	9.8	12.1	12.7	9.9	13.1	11.8	10.2	17.7	14.4	8.8
28	13.5	17.6	14.3	11.8	16.4	8.9	16.3	17.7	12.3	12.8	12.0	11.2
29	12.4	10.4	25.2	10.9	22.1	10.3	8.9	11.7	15.2	17.3	8.7	10.1
30	12.2	11.7	12.8	9.0	16.3	13.3	9.7	8.9	25.3	9.8	9.4	14.0
31					23.5	9.3	10.0	9.1				
Maximum												
Yearly	26.8	18.9	25.2	17.2	24.1	25.7	19.6	17.9	37.6	24.5	35.5	19.5
Monthly	26.8				25.7				37.6			

TABLE 25. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 60-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.1		10.4	9.6		20.4	9.6	8.9	5.8	9.8	10.1	10.6
2	11.8		14.3	8.5		9.9	11.0	9.8	7.6	13.2	10.2	12.0
3	9.3	20.5	11.5	10.0		11.4	11.0	22.5	7.8		9.6	9.5
4	10.4		11.3	9.5		12.2	16.5	21.9	9.4	12.8	9.3	10.3
5	14.5	10.4	17.3	10.3	10.3	12.1	9.0	15.6	9.0	12.4	9.8	13.4
6	20.5	13.6	7.6	9.5	16.3		8.2	11.2	17.4	13.5	9.5	18.0
7	23.2	13.9	11.0	11.0	17.7	19.2	7.7	5.1	8.5	11.8	8.6	16.8
8	12.5	11.2	16.3	10.9	20.7	12.3	8.9	13.7	12.5	13.8	9.0	14.5
9	11.3	12.1	19.0	8.8	7.9	9.9	10.4	10.1	12.3	12.6	8.3	18.1
10	11.8	10.7	16.0	9.2	12.3	11.0	15.2	10.3	13.4	9.5	18.2	13.6
11	10.9	8.7	12.8		9.7	15.9	20.6	13.3	19.1	16.8	9.1	7.1
12	10.0	10.9	9.6	16.9	10.0	23.8	9.9	[illegible]		23.8	13.1	10.0
13	12.4	14.7	9.3	13.6	11.4	25.0	10.5	9.9	12.8	14.6	10.4	12.7
14	14.4	17.4	9.5	8.8	9.0	17.6	10.8	14.0	23.0	12.5	12.4	14.3
15	13.5	15.5	7.9	8.0	1[illegible].1	6.3	9.6	11.2	10.2	10.5	8.9	10.8
16	10.4	21.4	6.8	13.3	9.8	8.7	7.9	9.6	10.4	10.4	8.2	9.0
17	7.8	12.8	7.3	10.5	8.8	8.7	10.7	14.3	6.7	7.3	7.9	14.1
18	11.4	20.6	8.9	16.8	8.9	8.5	9.7	14.4	8.6	10.0		11.4
19	12.5	10.4	14.6	11.1	9.8	9.6	8.4	13.0	16.6	12.3	8.4	13.1
20	13.1	8.3	9.2	8.8	10.4	12.1	8.2	8.3	14.8	8.3	16.4	14.2
21	15.4	8.4	8.1	8.9	8.4	14.3	7.3	11.1		7.5	13.9	12.0
22	15.6	13.8	9.5	15.7	18.1	11.9	9.6	13.0	7.3	9.1	11.0	12.9
23	13.4		9.7	19.3		10.8	9.5	20.8	7.9		13.8	14.1
24		11.4	10.0	13.7		10.4	10.5	13.6	7.4		12.4	9.7
25	12.9		8.7	19.6			9.8	13.0	8.2	9.7	10.2	7.7
26		15.3	8.3	21.0			13.9	12.2		13.3	13.6	9.5
27		14.4	8.2	10.2			16.9	13.3		14.0	11.3	11.8
28		12.1	11.4	13.8		10.1	17.7	[illegible]	20.1	16.1	23.3	16.6
29	10.8			16.1		9.5	12.7	17.5	14.3	11.7	13.6	18.7
30	17.5			16.1		7.1	11.9	11.1		10.0	14.6	17.0
31	12.4	17.3	8.6	12.9		8.6	8.9	8.7				
Maximum												
Yearly	23.2	21.4	19.0	21.0	20.7	25.0	20.6	22.5	23.0	23.8	23.3	18.7
Monthly	23.2				25.0				23.8			

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TABLE 26. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 60-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1		13.0	11.7	16.3	8.6	10.3	10.2	19.6	16.8	5.4	10.4	9.2	14.8
2		13.0	9.8	14.8	2[illegible].1	8.4	8.7	8.8	14.5	6.6	11.5	8.5	11.8
3		11.5	8.6	25.5	17.0	10.3	8.1	9.0	7.8	11.5	21.5	10.0	15.1
4		10.5	8.1	12.4	13.0	8.8	13.4	[illegible].3	10.9	15.4	13.9	20.8	13.2
5		8.6	14.7	18.7	12.8	14.6	10.0	13.7	10.8	11.6	9.9	11.6	12.3
6		9.4	18.0	16.4		17.4	9.5	11.1	11.8	10.4	7.4	7.4	12.8
7		13.8	12.2	13.9	7.9	18.0	10.7	9.7	21.6	7.9	9.6	8.3	17.5
8		9.5	8.7	11.9	10.7	20.5	13.1	9.8	13.4	11.3	13.5	19.6	11.0
9		14.0	8.1	12.4	9.5	14.7	22.2	6.5	10.4	11.6	10.1	13.0	22.6
10	7.1	11.9	10.9	10.4	10.2	12.1	16.6	6.3	8.2	15.6	14.2	12.4	24.3
11	13.6	9.7	14.0	15.3	6.3	12.3	27.0	7.0	11.0	11.7		15.0	13.6
12	9.4	7.8	11.9	11.4	6.6	11.3	21.7	10.8	10.9	12.0	11.0	9.8	11.8
13	13.8	13.2	16.7	10.1	15.1	11.8	16.6	14.3	17.0	11.4	8.0	9.4	13.2
14	14.6	16.4	17.0	9.1	16.9	9.6	10.5	17.0	8.0	12.8	7.9	19.1	11.1
15	11.3	13.0	20.0	8.8	15.7	13.7	8.1	15.8	11.6	11.1	9.2	20.1	12.2
16	7.8	13.1	17.9	7.2	18.9	13.9	11.3	14.1	11.3	11.2		11.8	8.8
17	8.3	13.3	22.3	8.9	11.0	11.5	9.5	14.9	15.4	11.7		6.4	12.4
18	9.3	13.6	20.9	11.6	11.0	9.9	13.7	13.1	8.8	17.2	11.3	8.9	9.6
19	17.8	13.9	26.6	17.3	11.7	12.6	14.7	16.1	17.0	12.7		9.9	12.1
20	17.4	11.5	8.1	9.8	11.1	11.0	12.1	19.4	25.8	10.8		8.6	10.5
21	12.6	11.6	11.2	8.7	16.9	6.6	13.2	11.7	10.8	9.7		8.4	14.8
22	11.8	11.6	11.1	8.0	21.9	8.8	8.9	11.0	10.9	8.1		13.3	20.8
23	11.2	15.3	11.6	21.0	18.3	15.3	7.1	10.6	1[illegible].5	14.2		16.5	9.3
24	7.3	12.6	13.3	22.8	11.8	16.0	9.5	13.9	1[illegible].5	16.9		16.7	10.5
25	8.2	7.7	12.1	16.1	10.2	12.1	11.3	10.1	11.8				15.5
26	14.3	13.4	15.1	11.7	8.1	10.0	10.1	11.7	16.5	8.1			20.8
27	11.9	8.6	8.7	7.8	11.1	14.2	12.7	10.0	10.4	8.9	11.8	15.5	14.8
[illegible]	11.6	13.9	11.2	19.6	18.9	11.9	11.0	13.5	12.5	18.1	20.3	18.4	6.5
29	10.3	13.8	11.9	21.7	18.6	11.6	9.5	15.2	13.8	13.3	11.5	14.6	12.7
30		14.3	9.2	20.9	10.9	11.6	12.9	11.7	13.0	9.2	10.7	8.2	17.1
31	7.6	13.6	10.3	22.9					9.7	11.1	8.5	15.4	12.1
Maximum													
Yearly	17.8	16.4	26.6	25.5	21.9	20.5	27.0	23.3	25.8	18.4	21.5	20.8	24.3
Monthly		26.6				27.0					25.8		

TABLE 27. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 90-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	10.4	13.0	11.5	21.2	12.0	11.6	8.1	11.1	11.6	24.5	17.5	15.0	23.9	13.2	11.8
2	13.2	13.5	8.1	13.8	14.0	18.5	9.8	12.4	10.5	24.3	11.3	10.5	13.4	13.2	12.6
3	10.3	16.4	11.6	9.7	17.2	11.4	10.2	16.9		28.2	11.8	9.6	19.8	22.8	13.0
4	10.8	21.6	14.8	21.1	17.1	16.5	11.7	12.8	22.9	24.7	15.4	10.0	15.1	23.6	23.3
5	13.7	16.0	15.2	18.9	13.6	17.5	13.3	10.3	10.4	17.2	21.6	15.0		17.7	27.1
6	18.0	10.6	11.6	14.3	19.8	10.6	16.0	21.6	12.2	18.3	19.0	16.4		21.1	10.4
7	13.5	14.5	18.8	13.5	17.3	8.5	23.8	17.2	10.5	17.0	13.3	14.7	16.1	23.5	15.0
8	15.6	14.4	18.3	11.0	17.4		14.3	24.2		14.4	15.3	12.0	11.3	13.9	21.4
9	15.1	10.2	14.9	11.8	15.7	17.5	22.0	14.7	15.7	16.1	14.5	14.0	15.4	24.5	24.1
10	12.7	16.0	13.1	15.5	15.6	19.9	8.5	14.3	14.1	18.1	15.2	11.0	18.6	10.7	11.1
11	18.8	17.9	14.4	20.5	16.0	18.4	17.5	12.6	8.1	15.5	14.4	12.0	15.9	15.9	17.2
12	15.8	9.7	17.8	21.7	15.7	19.8	17.7	13.3	11.6	11.4	14.1	12.1	26.3	10.8	19.5
13	11.2	12.1	12.7	18.0	18.7	23.7	28.8	12.5	13.4	9.6	14.4	9.7	19.2	11.6	19.1
14	12.7	12.8	10.0		14.8	10.0	11.4	7.8	16.2	10.1	11.4	8.5	14.8	13.1	21.0
15	18.9	9.7	15.8	11.3	17.1	11.5	12.2	14.0	25.2	13.4	14.5	14.6	15.0	10.9	17.1
16	15.6	15.2	11.7	11.2	18.1	13.2	10.6	8.3	19.0	12.1	16.7	23.3	15.7	18.4	12.8
17	12.4	13.4	13.0	13.5	14.2	13.4	12.5	13.0	13.7	19.9	13.3	9.6	16.7	17.0	16.5
18	10.2	14.2	12.5	13.0	13.0	12.6	14.5	19.8	12.6	9.9	10.9	19.1		22.6	
19	14.5	15.6	13.2	16.1	11.9	21.7	15.3	19.9	12.8	10.7	9.5	14.1	7.8	13.5	11.5
20	10.2	15.3	11.8	14.5	14.0	15.4	11.3	15.7	10.6	17.9		12.3		10.0	13.7
21	11.4	11.2	8.6	9.0	13.7	14.4	11.9		13.7	17.1	8.2	11.6		7.9	13.9
22	30.3	11.[illegible]	8.6	6.7	15.5	18.6	12.8	12.2	9.1	12.4		11.5	17.1	10.0	17.8
23	21.6	9.3	12.5	10.2	16.2	25.8	13.8		13.7	7.4	11.8	10.8	21.9	17.5	15.0
24	12.6	14.1	20.6	11.1	13.9	22.6	15.0	17.6	17.4	12.4	12.3	13.5	16.8	21.4	12.2
25	19.9	9.7	14.5	14.0	10.1	12.4	18.6	14.7	13.6	20.5	18.4	10.8	10.5	15.0	15.5
26	20.3	14.3	18.6	13.9	12.1	11.8	16.0	14.6	14.2	20.3	10.8	12.2	12.0	13.8	20.3
27	23.2	18.1	15.5	13.6	9.4	24.7	10.5	19.3	8.0	11.1	12.8	15.8	11.3	10.8	14.0
28	9.3	14.5	10.6	15.3		21.9	12.8	11.8	12.1	9.7	13.8	13.3	11.1	10.4	16.1
29	24.7	18.3	10.0	15.0	15.0			27.1			8.4	14.0	8.9	9.7	15.0
30	21.0	9.2	10.4	13.2	18.0							18.1	8.8	9.3	16.9
31	13.0	7.0	6.8	8.2	18.3						17.5	19.7	12.8	11.2	10.8
Maximum															
Yearly	30.3	21.6	20.6	21.7	19.8	25.8	28.8	27.1	25.2	28.2	21.6	23.3	26.3	24.5	27.1
Monthly			30.3					28.8					27.1		

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TABLE 28. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 90-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.0	16.9	10.0	10.2		13.1	12.3	12.1	16.5	10.[illegible]	9.2	9.2
2	16.6	13.1	15.3	11.8		14.3	11.6	13.8	14.9	24.2	9.7	8.8
3	13.6	8.3	12.9	9.5		11.0	11.4	19.1	16.8		18.0	9.1
4	27.8	8.5	15.6	10.0		16.7	15.4	10.9	15.4	8.4	30.7	10.6
5	17.0	8.0	14.5	13.5		10.7	17.0	12.1	15.5	12.4	33.9	18.7
6	15.4	11.5	10.2	14.4		11.9	10.0	13.7	19.6	10.1	26.6	10.1
7	12.5	10.1	8.3	13.5		18.3	18.0	14.0	13.5	11.0	12.8	10.9
8	14.8	14.8	12.2	12.3		15.9	17.7	12.5	30.8	11.0	18.3	10.7
9	12.4	13.8	12.4	14.2		14.0	16.3	15.1	40.7	9.5	13.8	9.9
10	17.3	10.5	12.8	13.2		8.1	13.5	16.7	25.7	10.8	11.6	10.1
11	11.3	8.2	18.0	9.9		12.2	14.3	8.2	14.5	11.8	20.0	12.6
12		17.2	13.9	14.9		8.9	11.7	9.2	10.3	10.6	17.1	14.1
13		17.1	10.8	15.5	8.3	7.6	8.6	13.1	10.8	13.0	13.0	11.6
14		16.1	9.5	17.6	16.9	10.0	9.5	16.0	17.0	14.0	9.2	12.2
15		10.9	19.6	12.7	9.8	14.4	8.1	16.3	10.9	11.4	10.2	11.4
16		9.0	13.2	12.5	9.8	15.0	10.8	15.7	9.7	10.1	13.1	10.9
17		9.1	11.9	13.9	13.9	11.4	13.0	14.6	20.6	20.1	9.5	9.4
18		14.1	9.4	13.7	21.1	10.4	11.7	14.5	17.5		19.1	18.2
19		14.5	16.[illegible]	15.7	11.8	10.6	21.6	13.8	11.6	10.4	15.0	21.3
20		13.5	11.0	9.9	12.3	10.5	11.1	10.1	8.3	10.2	14.0	17.2
21		14.6	13.4	11.9	12.7	14.3	11.5	14.8	14.4	11.4	9.7	14.8
22		12.9	10.4	11.2	12.0	20.4	11.1	15.9	9.3	13.7	8.8	10.2
23		12.6	14.4	11.9	17.9	26.6	11.4		15.4	17.6	8.2	9.2
24		11.0	15.8	14.0	11.3	15.3	12.2	11.3	12.9	15.4	8.5	9.2
25		15.2	16.8	11.8	15.9	12.6	11.4	8.2	10.4	11.0	23.7	10.4
26		14.5	19.3	11.9	17.5	9.7	20.6	8.6	12.4		18.3	10.2
27		18.6	10.4	12.4	13.0	10.8	13.7	11.6	10.2	18.1	15.0	9.5
28		17.6	14.6	12.4	17.2	9.8		19.3	11.4	13.3	12.9	12.1
29		11.5	27.1	10.1	22.6	11.3		12.9	14.6	16.9	8.8	9.7
30		11.4		9.2	16.5	14.2		8.8	26.2	10.4	8.6	14.3
31					23.2	9.8		9.1				
Maximum												
Yearly	27.8	18.6	27.1	17.6	23.2	26.6	21.6	19.3	40.7	24.2	33.9	21.3
Monthly	27.8				26.6				40.7			

TABLE 29. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 90-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	19.3	12.8	10.8	10.7		21.0	10.0	10.2	5.9	9.6	10.2	10.0
2	10.8		13.9	8.9		8.4	10.8	10.1	7.6	17.9	10.1	11.3
3	9.9	21.1	12.2	10.5		11.6	13.5	25.1	8.0	16.4	9.5	8.8
4	11.3	19.2	12.1	10.7		13.6	20.8	24.0	10.1	13.1	8.5	10.2
5	13.9	10.7	17.9	10.0	9.7		9.2	16.5	9.7	12.7	8.9	13.1
6	18.0	13.9	7.9	9.9			7.9	10.6	17.6	14.4	9.0	19.3
7	21.7	14.3	11.3	11.6	19.8	22.9	8.1	5.3	7.7	12.0	8.1	17.1
8	11.3	11.0	16.8	11.8	22.0	14.0	8.8	13.7	13.0	13.9	8.8	13.8
9	10.1	11.6	20.3	9.4	8.1	11.1	10.7	10.1	13.6	13.4	8.4	18.8
10	9.7	11.0	17.1	9.8	12.5	11.8	16.8	11.4		9.6	18.8	14.6
11	9.9	9.2	10.7	13.4	10.6	17.6	19.6	14.4		17.4	9.8	7.4
12		10.2	10.0	19.3	10.6	22.5	9.6	12.7	13.8	24.5	13.7	10.5
13		14.6	9.3	14.3	12.5		10.0	8.9	12.7	15.4	11.5	13.0
14		16.3	9.5	9.4	10.0	17.6	10.3	14.4		13.3	12.5	14.2
15	12.2		6.6	8.7	10.5	7.1	8.9	11.6	9.8	10.1	9.1	11.6
16	9.8		6.6	13.9	10.4	9.0	8.1	10.5	10.6	11.0	9.2	9.3
17	7.2	12.5	7.4	10.6	8.6	9.8	9.7	14.0		7.5	7.6	15.6
18		21.1	8.6	15.3	9.1	8.7	9.2	14.0		10.8	9.0	11.3
19		10.0	14.8	12.0	10.4	10.4	8.3	13.4	17.2	11.9	9.2	13.3
20	11.3	9.0	9.6	8.6	10.2		7.6	9.6	13.8	8.8	16.6	14.9
21		8.2	7.9	9.0	9.5	13.8	7.5	10.9	23.7	8.1	15.0	12.0
22		12.4	9.1	15.9	19.2	12.2	7.9	13.3	8.2	10.4	11.2	13.0
23	12.4	9.0	9.4	21.5		11.6	8.9	20.1	8.4	12.4	13.8	15.4
24	16.0	13.0		14.7		10.4	9.8	14.2	8.2	12.0	12.4	10.0
25	12.5	14.0		22.4		9.0	8.2	12.7	8.6	10.5	10.6	8.3
26		15.6	8.9	20.0			16.1	12.2	11.6	13.8	15.0	8.8
27		14.7	8.3	9.8			16.4	14.1	11.0	14.1	11.9	11.6
28		12.7	13.0	15.0		9.9	18.9	18.0	22.1	17.0	22.8	17.0
29	8.8	22.5	9.4	17.4		9.1	14.2	18.4	14.0	11.5	14.4	18.4
30	14.8	26.4	10.5	16.8		8.2	16.7		8.4		15.0	18.7
31	10.4	13.5	9.0	12.5		9.0	10.0					
Maximum												
Yearly	21.7	26.4	20.3	22.4	22.0	22.9	20.8	25.1	23.7	24.5	22.8	19.3
Monthly	26.4				25.1				24.5			

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TABLE 30. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 90-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	15.8		12.3	17.2	10.8	9.8	10.0	21.1	17.7	13.3	11.6	9.2	15.1
2		13.1	10.2	16.4	24.1	9.0	10.0	9.9	11.8	7.9	11.3	9.4	12.9
3		11.8	8.1	25.7	20.3	10.4	8.2	9.2	9.6	13.5	21.7	10.3	14.9
4		10.8	7.7	13.2	16.8	10.3	14.1	25.8	11.6	18.5	12.2	20.9	13.1
5		9.5	15.8	19.3	17.1	14.5	9.3	14.7	12.1	14.4	10.3	12.1	12.6
6	16.1	10.7	18.5	16.9	16.2	18.8	9.3	12.7	14.9	12.9	8.3	7.7	13.7
7	11.2	14.5	11.7	14.7	11.4	19.6	9.3	11.4	22.6	8.8	9.6	10.0	19.5
8	13.9	9.3	9.2	11.6	12.5	16.6	11.6	12.1	14.0	11.8	11.7	19.5	11.7
9	11.9	15.0	8.6	13.6	11.9	15.1	20.8	7.6	11.7	13.3	11.2	13.8	23.3
10	7.6	13.0	9.8	10.4	12.2	13.3	16.0	8.0	8.4	16.4	11.2	13.4	24.0
11	14.7	10.3	15.1	15.0	8.4	13.1	25.7		12.0	11.6	23.6	15.2	13.8
12	8.5	8.6	15.7	10.8	9.2	13.6	20.5	12.6	12.2	12.1	12.4	11.4	
13	14.6	13.4	18.0	9.7	17.3	11.6	15.6	15.5	17.9	11.9	9.0	10.5	14.0
14	14.7	16.4	17.3	9.4	19.8	11.0	12.2	19.2	9.1	13.7	7.9	19.0	15.7
15	12.8	12.8	20.9	7.1	18.8	13.0	8.4	17.5	12.1	11.9	11.0	20.1	14.5
16	9.0	13.8	18.3	7.8	21.8	14.1	11.0	15.5	11.0	10.7	11.4	12.1	10.2
17	8.6	13.3	22.8	7.7	13.2	11.3	10.3	15.6	16.1	11.8	6.0	6.7	13.0
18	10.0	14.2	22.4	11.9	12.7	10.5	14.3	14.0	9.3	17.3	9.9	9.6	10.2
19	18.5	14.4	28.9	17.6	13.8	12.0	15.7	16.0	20.1	12.9	7.5	10.3	8.6
20	18.8	12.1	9.2	10.4	13.8	11.6	14.0	20.0	25.1	12.9	9.7	10.0	9.9
21	14.2	12.1	11.5	9.2	19.2	6.0	15.3	17.7	11.5	11.6	11.3	9.0	14.8
22	13.6	12.9	11.3	9.0	26.2	9.2	10.2	13.8	12.1	7.7	12.2	14.0	21.5
23	13.5	15.6	12.7	21.5	21.1	16.6	8.2	11.4	12.5	14.5	23.2	16.9	9.7
24	8.7	11.9	13.9	22.2	17.5	14.9	11.7		12.9	19.2	15.1	17.3	11.5
25	8.9	6.2	13.1	18.2	13.1	13.6	14.9	10.9	16.0	11.0	9.9	11.4	17.4
26	15.9	13.2	15.5	15.5	12.6	9.1	10.6	15.1	18.3	10.2	11.6	7.5	22.7
27	16.2	7.8	9.0	8.8	15.5	15.1	13.9	10.4	11.6	9.8	13.3	15.5	15.3
28	12.9	13.5	12.2	18.3	23.1	11.9	14.1	13.1	14.2	19.1	21.3	18.8	6.8
29	12.7	13.8	13.1	22.1	22.2	12.6	9.8	15.3	14.4	14.6	12.0	15.7	14.7
30	9.9	15.1	10.6	21.8	18.7	11.8	12.7	12.8	14.0	9.7	12.4	8.8	18.0
31	8.3	13.8	10.6	25.7					10.2	11.0	9.4	15.8	13.1
Maximum													
Yearly	18.8	16.1	28.9	25.7	26.2	19.6	25.7	25.8	25.1	19.2	23.6	20.9	24.0
Monthly	28.9				26.2				25.1				

TABLE 31. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 120-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	11.3	10.1	12.0	21.2	12.4			10.1	11.5	25.5	18.4	13.1	21.2	13.9	11.6
2	12.7		7.4	13.2	13.4	19.0	10.1	11.4	12.0	24.3	11.5	11.4	11.2	13.6	13.0
3	10.9	16.2	11.6	9.5	17.4	12.3	10.8	16.0	23.9	28.3	12.6	9.9	15.7	24.8	13.2
4	11.6	21.8	14.8	21.5	17.5	17.1		12.3	22.8	25.4	16.9	10.7	14.5	23.4	23.4
5	15.2	13.0	16.1	19.0	13.4	18.7		10.1	10.5	17.5	21.7	16.6		19.6	27.8
6	18.6	10.9	11.7	14.9		10.5	14.3	20.8	13.9	17.4	19.0	17.0	12.3	23.2	11.5
7	13.4		18.6	14.4	15.2	9.8	13.6	16.2	12.0	17.8	13.2	15.3	16.4	25.7	15.5
8	15.7		18.2	11.7	15.2		14.2	24.9	13.6	14.7	14.5	11.8	10.9	17.6	21.0
9	14.3	10.5	14.4	14.3	14.6	18.5		14.2	16.6	16.7	15.0	13.8	16.2	26.4	23.9
10	13.4	15.7	13.8	15.1	14.9	20.3	8.6	15.4	15.6	19.3	15.0	10.3	17.1	17.2	12.3
11	20.0	17.0	14.3	20.7	15.5	19.0	18.0	12.1	8.7	16.5	13.8	12.8	16.9	15.5	15.9
12	16.5		17.3	21.7	15.1	21.2	19.9	13.5	14.2	12.9	14.2	13.3	27.6	12.5	19.6
13	11.3		13.4	18.0	19.2	24.8	28.7	12.3	13.7	9.7	13.4	11.6	18.0	11.8	20.6
14	13.0		10.9	15.0	15.6	10.2	11.7	9.6	16.1	11.1	12.4	9.4	15.4	13.2	22.2
15	20.0			11.9	18.1	12.9	12.2	13.9	26.6	14.5	15.2	15.0	15.6	11.8	17.1
16	16.2		11.7	11.3	18.9	13.5	11.3	9.2	19.8	13.2	16.5	23.0	15.0	19.5	12.9
17	12.8		13.6	14.0	15.3	13.2	12.1	12.8	14.4	21.7	13.4	9.6	17.2	18.3	17.2
18	9.5	14.6	13.7	13.2	12.7	14.8	14.8	18.8	13.2	9.5	10.4	18.8		25.3	12.3
19	14.9	[illegible]	11.9	17.1	11.7	22.8	14.5	18.3	14.2	11.7	10.2	14.0	8.8	14.5	12.5
20		13.8	12.3	15.8	13.6	15.4	12.6	13.3	10.9	17.5		12.8		10.3	14.1
21	12.1		8.5	9.4	13.1	14.9	12.0	13.6	14.0	17.9	8.6	12.9		8.9	14.1
22	31.1			6.0	14.7	20.2	13.2	12.4	9.8	12.7	10.8	11.9	16.6	10.2	18.0
23	22.0	10.1	13.0	11.6	15.1	23.7	14.8		14.0	6.9	11.5	11.1	20.6	18.9	15.2
24	12.7	14.1		13.1	13.9	22.0	16.1	16.4	16.8	13.3	12.3	13.0	16.5	22.7	12.5
25	22.2	9.0	14.3	14.4	9.6	12.4	18.4	14.2	13.5	20.2	18.6		10.0	14.7	15.6
26	21.3		16.4	13.9	11.8	10.9	17.4	15.3	14.5	21.1	11.0		10.9	13.7	21.6
27	24.2	18.8	15.0	14.3	9.5	24.7	9.3	18.2	8.1	10.8	13.3	16.0	12.5	11.9	13.7
28	10.4		9.4	16.5	11.4	23.1	13.9	11.6	12.2	9.5	13.4	13.2	11.3	10.3	16.5
29	20.1		8.7	15.6	15.6			26.7			7.8	13.7	8.6	9.2	15.0
30	22.9	6.2	9.0	13.4	17.5						14.9	17.1	8.8	9.3	16.7
31	13.0	6.0	5.9	8.4	18.5						16.6	18.1	12.7	11.4	11.9
Maximum															
Yearly	31.1	21.8	18.6	21.7	19.2	24.8	28.7	26.7	26.6	28.3	21.7	23.0	27.6	26.4	27.8
Monthly			31.1					28.7					27.8		

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TABLE 32. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 120-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	16.8	16.4	10.0	10.2		12.6	12.2	12.3	15.7	10.2	9.1	9.2
2	18.5	11.7	16.0	11.4		14.0	11.5	14.1	16.9	25.9	10.0	8.9
3	15.2	9.0	12.4	9.6		12.7	11.2	18.8	16.0	11.6	17.3	9.3
4	27.6	8.8	15.5	10.2		16.7	15.3	11.5	14.5	8.6	33.6	11.1
5	16.6	8.1	14.4	15.4		11.0	17.1	12.0	15.0	11.2	38.2	19.1
6	15.5	12.0	10.7	14.5		12.1	10.3	12.7	18.6	10.3	28.2	10.3
7	13.2	11.3		14.5		19.5	18.8	14.2	13.1	10.5	15.4	10.6
8	14.9	15.3	11.8	12.5		16.1	17.6	12.4	30.6	11.2	17.2	10.9
9	14.0	14.0	11.8	14.8		17.2	15.9	14.9	38.1	9.1	12.8	10.1
10	17.6	9.6	12.9	13.2		8.9	13.8	16.4	24.3	11.3	12.0	10.1
11	13.5	9.1	19.5	10.4		14.6	14.6	8.7	14.9	12.2	20.2	13.2
12		17.0	14.0	14.7		9.6	12.3	9.3	10.4	10.8	18.0	13.6
13		17.4	10.0	15.3	8.5	9.0		14.3	11.2	13.2	12.6	11.6
14		15.0	9.6	18.0		10.3	9.7	15.3	16.8	14.2	9.9	12.2
15		10.8	16.7	13.3	9.8	14.8	8.6	16.7	9.9	11.7	9.7	9.7
16		10.2	12.9	12.4	9.8	14.1	10.2	16.4	10.0	10.6	14.0	10.9
17		9.3	12.2	13.4	11.0	11.7	13.5	15.9	20.4	21.6	9.9	9.9
18		13.9	9.1	14.3		11.1	11.8	15.1	17.5	18.4	18.8	18.0
19		16.8	11.8	15.9	12.6	11.9	20.3	14.8	13.0	15.1	16.6	20.3
20		13.8	11.8	11.3		10.7	11.3	10.1	9.5	9.9	14.2	16.4
21		14.5	13.3	11.8		13.2	11.5	15.4	14.5	10.0		15.7
22		12.8	10.9	13.8		20.6	10.5	16.1	9.4	13.3	9.0	9.8
23		13.3	12.1	15.9		25.9	10.9	12.6	14.4	18.7	8.2	9.5
24		10.1	15.0	11.0	11.2	14.8	12.1	11.5	12.3	16.1	9.5	9.3
25		15.1	16.1	12.1	15.2	12.4	11.1	9.7	10.4	12.1	25.8	10.2
26		11.1	15.7	11.0	16.1	10.6	19.3		11.2		18.1	10.7
27		18.9	10.9	12.0	12.6	11.2	11.6	11.9	10.4	17.6	16.2	10.5
28		17.1	15.5	12.6	16.6	9.5		17.5	12.0	13.4	13.3	12.2
29		11.6	21.6	10.1	22.2	12.1		12.6	14.7	17.1	9.5	9.7
30		11.5	13.6	10.0	15.8	15.1		8.8	25.7	10.9	9.4	14.5
31					23.6	10.5		9.2				
Maximum												
Yearly	27.6	18.9	21.6	18.0	23.6	25.9	20.3	18.8	38.1	25.9	38.2	20.3
Monthly	27.6				25.9				38.2			

TABLE 33. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 120-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	19.6	13.3	10.8	9.7		21.0		10.6	6.1	9.4	9.4	10.6
2	10.4	14.5	14.4	9.2		8.7		9.7	7.4	15.3	9.9	12.3
3	10.2	21.1	11.7	10.5		11.9	13.6	24.7	7.6	16.8	10.9	9.4
4	12.4	18.9	12.6	10.3		14.2	19.7	25.2	10.3	12.3	8.4	11.5
5	13.6	9.8	18.4	12.0	9.4	13.3	9.5	16.0	9.8	11.5	9.4	13.0
6	18.6	13.3	7.7	10.4		19.1	9.4	10.7	17.1	13.9	9.5	18.4
7	22.1	13.9	11.6	11.0	17.1	23.5	9.0	5.2	7.9	11.9	8.7	15.9
8	12.6	11.2	16.0	11.2	20.2	13.7	9.7	14.0	12.9	14.0	8.9	14.0
9	11.3	11.9	20.2	9.9	8.0	11.8	12.5	10.3	13.0	13.4	9.0	19.2
10		11.3	16.7	11.2	13.0	12.0	16.5	12.6	13.0	9.6	19.1	13.1
11	11.0	8.8	11.3	14.0	9.3	16.6	19.1	15.1		17.5	10.5	7.8
12	8.5	10.7	9.6	18.0	10.0	23.3	10.5	12.9	13.8	25.1	15.4	9.6
13	12.2	15.7	9.3	15.4	11.4	25.3	10.8	9.0	11.1	15.3	11.2	11.8
14	13.4	16.6	10.0	10.6	8.7	16.9	10.7	15.0		13.0	12.8	12.7
15	12.4	15.1	7.1	9.1	9.1	7.1	9.3	12.6		10.2	9.6	11.3
16	10.8	21.0	7.9	13.9	9.5	8.5	8.3	10.3		10.9	9.6	8.8
17	7.3	13.6	7.9	11.9	8.6	9.5	10.2	14.5		7.7	9.2	13.5
18	10.6	21.7	8.8	14.7	8.1	9.9	10.6	14.5		9.9	8.5	10.6
19	11.7	10.3	13.9	13.1	8.9	10.3	9.7	12.4	19.2	12.0	9.4	13.5
20	11.9	9.9	8.5	9.0	10.1	11.4	8.0	10.1	15.3	9.3	17.4	17.6
21	15.3	9.1	8.9	9.6	8.9	12.5	7.6	10.2	25.6	8.1	14.5	11.8
22	16.4	14.4	9.1	15.7	16.7	12.2	8.2	13.6	9.5	10.7	11.7	13.1
23	13.1	10.5	9.1	22.8		10.5	8.9	21.6	9.7	12.4	13.8	14.8
24	16.5	11.4	8.7	14.6		11.2	8.9	13.5	9.5	12.1	12.6	10.6
25	11.9	13.9	9.9	24.1		8.6	8.6	12.0	9.4	9.7	11.2	8.6
26		15.5	8.4	20.9		9.6	14.8	11.8	11.4	13.8	15.1	9.3
27		15.1	8.7	9.7		9.1	16.3	13.7	14.8	15.1	11.7	11.0
28		11.8	13.1	14.9		11.3	17.5	17.9	20.8	16.8	23.1	16.0
29	11.0	23.3	9.7	17.7		8.9	14.0	18.4	14.2	11.4	15.1	19.1
30	15.4	27.3	10.4	16.8		8.0	16.3	10.8	9.4	10.1	15.5	18.4
31	12.0	14.9	8.6	12.9		9.0	10.4	8.8				
Maximum												
Yearly	22.1	27.3	20.2	24.1	20.2	25.3	19.7	25.2	25.6	25.1	23.1	19.2
Monthly	27.3				25.3				25.6			

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TABLE 34. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 120-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	15.2	13.4	12.8	15.9	11.8	10.2	10.1	22.2	19.0	15.3	13.0	10.2	15.6
2		12.9	10.2	15.5	26.8	9.8	9.1	10.7	15.5	7.9	11.1	9.7	15.5
3	14.1	11.9	8.5	27.4	21.9	10.9	8.4	10.1	10.3		20.5	11.4	16.3
4	14.5	10.8	8.9	12.8	19.0	10.2	14.5	25.1	12.4		14.2	21.5	14.9
5	9.9	10.2	15.8	19.7	18.3	13.9	9.7		13.2	10.8	10.1	13.3	12.7
6	18.1	10.9	17.7	16.7		17.2	9.0		17.6	9.3	8.9	8.0	15.1
7	11.2	14.3	14.5	13.6	11.5	18.0	10.8	14.2	23.9	9.0	9.1	12.3	19.3
8		9.8	9.8	10.9	14.1	19.4	12.3	13.3	15.7	11.6	12.1	18.5	11.8
9		14.3	8.9	13.1	13.4	13.6	21.9	8.1	13.0	14.2	12.6	15.4	24.9
10	7.1	13.9	11.3	10.8	14.5	11.8	17.3	8.3	8.8	16.6	18.0	13.6	25.4
11	16.1	10.2	15.6	14.6	9.1	12.8		9.3		11.8	24.2	15.8	12.8
12	9.3	8.6	16.2	11.0	9.5	11.9	20.7	14.1		13.2	13.8	12.0	13.7
13		12.9	17.4	9.4	19.4	11.3	16.6	16.3		12.4	8.7	11.5	14.8
14	15.6	16.5	17.5	9.7	21.3	10.7	13.0	19.7	9.0	14.5	7.4	21.6	13.3
15	14.4	12.3	21.6	8.1	18.5	12.7	9.2	18.1	12.0	12.6	11.9	22.8	15.1
16		15.0	18.2	7.8	15.5	13.0	12.9	15.9	12.9	11.2	11.6	14.4	10.3
17		13.0	23.4	7.8	13.5	11.3	12.4	15.9	16.0	12.1	6.2	6.2	12.2
18		14.0	23.5	12.2	13.6	11.6	15.3	14.7	9.1	14.4	9.7	10.2	10.8
19		13.4	27.8	18.0		12.8	16.1	17.6	21.2	13.1	6.9	11.7	8.0
20	16.2	12.4	10.0	10.6		13.0	14.0	19.5	25.7		8.4	11.7	10.4
21	14.3	11.9	11.9	9.5	16.6	6.4	16.5	16.9	13.3		11.3	9.8	16.9
22		12.9	11.8		25.9	9.4	9.7	14.8	12.2	7.1	12.8	15.8	20.7
23		16.0	12.8	21.5	19.0	14.8	7.3	11.7	13.4	12.0	23.5	17.1	11.2
24	7.3	13.3	13.7	22.0	14.2	15.3	13.6		13.3		15.2	17.9	11.9
25	9.5	6.3	13.4	17.5	12.8	14.9	16.3	10.7	15.4		10.6	12.5	16.8
26	16.1	13.5	16.5	15.1	14.8	10.5	10.6	15.8	17.6		12.1	7.0	22.2
27	15.0	7.8	8.4	9.0	17.3	15.3	14.6	10.8	11.5	8.2	13.1	17.1	14.0
28	11.4	13.8	14.7	20.0	22.6	14.5	15.1	14.2	14.9	19.4	21.9	20.3	6.7
29		13.6	15.1	22.9	21.8	12.4	9.7	15.6	15.3	15.9	12.6	17.1	14.6
30		14.7	14.0	22.5	15.6	14.7	12.9	14.6	15.4	10.1	11.7	9.1	16.3
31	8.9	13.3	10.4	25.1					10.4	11.2	9.6	16.8	13.4
Maximum													
Yearly	18.1	16.5	27.8	27.4	26.8	19.4	21.9	25.1	25.7	19.4	24.2	22.8	25.4
Monthly		27.8				26.8					25.7		

TABLE 35. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JANUARY, FEBRUARY, MARCH 1966 THROUGH 1970 ON LARGE TOWER AT 150-METER LEVEL

Month	January					February					March				
Year	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970	1966	1967	1968	1969	1970
Day															
1	11.3	14.4	11.7	20.7	13.0	16.3	8.4	10.4	13.0	25.9	17.6	14.3	22.0	13.8	11.4
2	12.6	14.8	7.8	13.5	13.7	18.8	10.7	11.7		25.3	11.4	10.9		14.0	13.4
3	10.7	15.2	11.3	9.8	17.5	13.9	11.2	16.5	24.1	30.4	13.3	10.1		23.6	14.1
4	12.2	22.3	14.0	21.5	17.2	17.4	13.6		22.7	25.6	17.9	11.1		23.5	25.0
5	16.4	21.9	14.3	18.9	13.5	19.6	14.9		10.8	18.0	22.2	16.7		18.9	20.1
6	18.1	14.5	11.2	14.6	22.8	9.9	12.5	20.5	14.7	20.2	18.8	18.6	13.5	23.4	12.7
7	13.4	19.1	17.7	16.1	17.8	9.2	18.7	17.2		18.7	13.4	16.7	16.4	23.4	16.1
8	15.0	19.5	16.7	12.1	17.1	11.3	14.4		15.2	14.8	16.4	12.1	10.8	17.9	21.8
9	13.3	12.9	14.6	15.5	16.3	18.8	24.4	15.6	16.6	15.8	14.8	14.5		23.6	24.7
10	12.7	18.0	13.3	14.9	18.9	19.6	8.8	16.8	16.2	18.4	15.5	11.4	18.5	16.9	12.2
11	19.5	21.0	14.1	21.3	17.3	18.4	19.4		9.1	17.6	13.5	13.8	18.2	15.9	18.6
12	15.7	11.9	17.0	22.5	17.3	22.6	21.8	13.2	14.2	13.9	14.4	14.5	26.8	12.8	19.1
13	11.2	15.1	12.4	18.1	19.9	25.5	29.7	12.6	15.7	9.3	14.3	13.6	18.1	12.5	20.0
14	13.3	16.7	10.4	15.3	15.3	11.2	12.6	9.6	17.6	10.8	13.1	10.7	14.3	12.8	22.4
15	20.6	13.2		11.2	19.3	13.6	12.9	14.5	30.8	15.1	16.5	15.4	16.5	11.5	17.0
16	15.1	17.5	10.8	11.2	18.8	14.4	12.1	10.1	20.1	15.0		23.0	15.6	20.3	13.3
17	13.0	16.1		14.0	16.7	12.4	13.1	13.6	14.0	20.6	12.1	9.1	17.9	18.4	17.5
18	9.1	17.8		14.3	14.4	14.5	14.8	18.0	13.4	10.2	10.7	19.2		24.9	13.7
19	14.7	19.5		19.5	12.7	21.7	14.6	18.0	13.6	12.5	10.3	14.3	7.2	14.7	13.1
20	10.1	18.4		17.7	16.0	14.9	13.5		11.1	18.4		13.1		10.5	14.5
21	10.4	11.6		9.3	13.3	14.7	13.1	15.8	14.3	17.3	9.1	13.2		8.7	14.6
22	32.6	13.2		6.6	15.6	19.0	13.6	13.3	9.8	12.8	11.5	12.2	16.6	11.2	18.4
23	21.6	11.7		12.7	17.1	23.9	15.4		15.9	7.5	12.6	11.6	21.4	19.0	15.4
24	12.2	16.4		13.3	14.6	23.6	16.1		16.9	13.4	12.9	13.6	16.3	22.4	12.9
25	22.6	11.8	15.4	13.9	11.4	11.7	19.1		13.3	21.5	18.6	10.2	9.8	14.3	15.9
26	22.1	16.4	17.3	13.5	14.5	10.4	18.0	12.7	14.3	21.7	11.5	12.7		13.5	21.6
27	24.4	19.1	15.7	14.1	10.6	22.6	9.3		8.1	11.0	14.5	15.6		13.0	14.8
28	11.5	13.7		16.4	11.4	22.6	12.6		12.6	9.5	14.6	13.6	11.1	10.3	16.9
29	20.6			15.6	16.3			27.1			8.1	14.3		9.0	15.5
30	22.1	6.8		13.9	18.0						16.4	17.3	8.4	9.2	17.2
31	13.5	6.6	6.6	9.5	19.0						17.5	19.5	13.0	11.7	13.4
Maximum															
Yearly	32.6	22.3	17.7	22.5	22.8	25.5	29.7	27.1	30.8	30.4	22.2	23.0	26.8	24.9	29.1
Monthly			32.6					30.8					29.1		

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TABLE 36. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN APRIL, MAY, JUNE 1966 THROUGH 1969 ON LARGE TOWER AT 150-METER LEVEL

Month	April				May				June			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	17.5	17.1	10.5	10.5		13.2	13.1	11.4	14.9	9.4	9.7	9.4
2	19.5	12.4	16.2	12.4		14.8	11.7	13.7	13.6	25.5	10.3	8.9
3	15.6	8.6	12.8	9.8		13.8	11.8	17.7	15.0		17.7	9.3
4	28.5	8.8		10.2		17.5	15.8	11.9			29.2	10.6
5	17.5	8.1	14.3	14.1		11.1	17.6	11.9	14.9	9.5	38.8	18.9
6	16.4	12.4	10.8	13.6		12.6	10.4	13.5	17.5	10.0	28.4	10.0
7	14.3	11.8		14.8		18.9	17.7	14.0		10.3		9.9
8	16.1		10.7	12.3		17.2	18.5	12.6	30.9	10.7	17.6	10.3
9	14.5		14.1	14.7		18.1	16.4	15.0	32.6	8.2	13.7	10.5
10	17.6	9.5	12.9	13.7		10.0	13.2	17.6	23.4	11.3	12.4	10.1
11	14.2	9.5	19.4	11.0		15.7	14.3	8.7	14.0	12.2	18.3	12.7
12		17.7	14.4	15.0		11.3	12.4	9.0	9.8	10.9	18.3	13.1
13		17.3	10.2	15.3	9.2	10.1	8.5	13.5	11.2	12.8	11.2	11.1
14		15.0	8.7	17.7	13.6	10.7	9.8	15.6	15.9	14.1		11.8
15		12.0	16.7	12.9	12.2	15.2	8.0	17.4	10.3	11.1	9.2	9.8
16		12.2	13.1	12.0	10.4	14.4	10.8	16.0	8.2	10.6	13.5	10.5
17		10.7	12.0	13.6	15.5	12.4	13.1	15.2	20.5	20.3	10.0	9.0
18		13.7	9.8	13.4		10.7	12.1	15.5	16.5	10.6	19.6	17.7
19		16.2	10.8	15.9	15.7	11.1	21.0	14.6	11.3	15.0	16.0	20.1
20		13.4	12.2	11.5	11.8	11.1	10.8	10.8	8.3	9.8	14.1	16.9
21		13.9	11.0	11.6	12.5	14.6	11.6	15.3	14.5	10.5	9.8	14.4
22		13.2	11.0	13.7	12.2	20.4	11.3	15.9	8.6	11.2	8.3	9.3
23		13.8	11.8	17.0	13.9	25.1	10.0	12.3	13.3	20.6	8.0	9.3
24		11.0	11.8	13.8	11.3	15.6	11.7	11.5	11.5	15.0	9.2	9.7
25		15.1	16.6	11.5	15.5	11.7	11.3	9.2	10.1	12.4	25.4	10.5
26		13.4	15.8	10.8	16.1	12.1	18.1	8.9	10.1		17.6	10.5
27		19.9	11.6	12.3	13.0	12.6	15.5	11.6	9.3	18.5	17.0	9.0
28		16.9	17.5	11.3	17.5			18.0	11.1	12.9	14.0	11.7
29		11.5	24.8	9.9	20.8			12.0	14.9	17.2	8.8	9.6
30		11.7	13.9	9.7	15.0			8.9	26.2	10.2	9.0	13.4
31					23.1	9.1		9.3				
Maximum												
Yearly	28.5	19.9	21.8	17.7	23.1	25.1	21.0	18.0	32.6	25.5	38.8	20.1
Monthly	28.5				25.1				38.8			

TABLE 37. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN JULY, AUGUST, SEPTEMBER 1966 THROUGH 1969 ON LARGE TOWER AT 150-METER LEVEL

Month	July				August				September			
Year	1966	1967	1968	1969	1966	1967	1968	1969	1966	1967	1968	1969
Day												
1	19.5	13.0	10.8	10.2		21.6		10.4	5.8	9.9		
2	10.4	14.3	13.9	9.0		8.1	9.8	9.8	7.1	14.1		
3	10.2	22.0	11.1	10.2		11.8	13.2	24.8	8.0			9.9
4	11.5	18.8		9.9		14.6	17.6	26.3	10.9			11.2
5	13.4	9.4	16.9	9.7	10.0	12.3	9.9	16.8	10.4	12.4		13.7
6	17.8	12.6	8.7	9.4	13.3	20.3	8.7	10.2	17.5	14.1		18.8
7	21.4	13.1	12.5	11.3	16.8	23.8	8.8	5.2	8.0	12.5		18.3
8	12.2	10.4	16.4	14.0	20.4	13.6	9.3	13.7	13.8	14.3		15.1
9	10.3	11.3	21.2	10.5	8.5	9.8	12.6	10.6	13.0	13.7		19.6
10	10.2	10.6	17.1	10.6	10.9	11.3	17.3	12.5	13.8	10.5	19.6	14.4
11	10.2	9.0	12.1	13.7	9.6	16.5		15.8		17.7	11.5	7.4
12	8.3		9.6	16.8	9.3	24.8	9.4	12.9	13.9	25.5	16.0	9.6
13	10.9	15.9	9.8	11.2	11.3	27.6	10.4	8.9	12.4	15.7	11.6	13.0
14	12.9	16.1	9.7	9.8	9.0		10.7	14.9		13.4	12.7	
15	12.5	14.9	7.3	9.0	9.4	7.1	9.0	13.3		10.8	10.1	12.4
16	10.9	20.0	7.3	13.4	9.3	8.1	7.8	10.3		10.0	9.1	10.0
17	6.7	13.2	7.6	10.8	8.5	8.9	9.9	15.6		7.8	8.0	14.5
18	10.3	21.7	8.7	11.7	8.9	7.9	9.9	14.9		10.3	8.0	11.3
19	11.3	9.8	15.3	10.[illegible]	9.4	10.5	9.8	12.6	25.0	11.6	8.9	13.7
20	11.3	8.9	10.3	8.0	9.2	11.9	8.2	11.6	13.7	8.8	17.3	15.9
21	14.6	7.7	8.8	8.9	8.8	13.6	7.5	11.1		7.9	14.2	12.3
22	14.9	13.9	9.1	15.6	17.9	12.2	7.6	13.2	9.0	11.4		13.3
23	13.1	10.3	9.6	22.6		11.2	8.5	21.0	8.2	12.7		15.4
24	16.5	11.5	9.5	14.8		10.4	7.8	14.0	8.7	11.3	12.2	10.9
25	11.3	13.0	8.7	22.3		9.1	7.8	13.2	8.7	10.1	10.1	9.1
26		15.1	8.6	18.2				12.2		13.1	14.4	9.2
27		12.9	8.8	10.5				14.9	10.3	15.0	11.5	11.2
28		12.3	12.9	15.4		10.5		20.2	21.3	17.5	24.1	17.2
29	11.8	20.5	9.4	17.2		9.1		19.2	16.0	11.5	15.1	20.1
30	14.3		10.0	15.1		8.2		11.9	9.1	10.4	15.0	18.3
31	13.4	15.3	8.5	13.0		9.5		9.8				
Maximum												
Yearly	21.4	22.0	21.2	22.6	20.4	27.6	17.6	26.3	25.0	25.5	24.1	20.1
Monthly	22.6				27.6				25.5			

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TABLE 38. DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED IN OCTOBER, NOVEMBER 1966 THROUGH 1969 AND DECEMBER 1965 THROUGH 1969 ON LARGE TOWER AT 150-METER LEVEL

Month	October				November				December				
Year	1966	1967	1968	1969	1966	1967	1968	1969	1965	1966	1967	1968	1969
Day													
1	17.0	12.9	12.2	17.5	8.9	9.9	10.1	21.4	18.5	14.9	13.1	10.5	16.1
2		13.7	10.1	16.3	22.7	10.9	8.6	10.5	17.5	7.2	12.2	10.5	15.8
3	14.7	11.1	10.0	26.1	18.1	11.5	7.7	10.1	9.4	13.5	21.3	12.0	16.5
4	15.1	10.5	8.8	13.6	11.0	10.9	14.7	25.5	11.4	17.4	14.2	21.5	15.2
5	8.6	9.5	15.1	20.6		14.8	11.2	16.2	14.0	13.3	10.1	14.1	12.9
6	14.6	10.5	17.5	16.6		18.5	8.9	13.6	20.1	12.0	8.7	8.1	15.9
7	10.7	14.9	14.3	15.3		18.3	11.4	14.0	22.6	9.8	9.7	13.6	20.7
8	14.6	8.7	9.1	11.6		20.1	12.9	13.1	15.9	12.0	12.0	19.3	12.1
9		14.8	8.2	13.0		14.9	22.2	7.1	12.4	14.5	12.1	14.6	24.2
10	7.8	13.6	10.5	10.5		12.6	17.7	7.6	7.3	16.8	18.4	13.3	25.5
11	14.4	9.4	14.0	14.8	7.4	13.6	27.9	9.5	13.5	11.5	23.4	15.0	14.2
12	9.0	8.2	15.9	10.7	7.8	12.2	21.5	13.7	14.8	13.1	14.8	11.6	15.3
13	15.0	12.1	15.9	9.3	15.9		17.8	17.7	21.6	12.0	8.0	10.7	16.4
14	16.1	15.3	17.3	10.3	18.4	12.1	11.3	19.5	8.2	14.7	6.9	20.5	15.7
15	11.2	10.8	21.2	7.7	17.3	12.3	9.3	17.7	12.0	13.6	12.9	22.9	16.9
16	6.7	12.1	17.4	7.4	20.1	13.8	12.0	16.3	12.5	11.6	11.1	14.1	9.4
17	7.4		22.7	7.6	12.7	11.1	12.8	15.6	15.0	12.4	5.9	5.3	12.6
18	7.5		22.7	12.5	12.5	11.1	15.0	15.6	8.6		9.7	10.5	10.9
19			26.7	18.8	13.2	12.7	15.2	16.2	20.1	12.0	6.8	12.0	7.7
20	13.9		9.3	10.5	13.0	13.9	14.5	20.5	25.8	15.3	7.7	12.5	12.9
21	12.5		10.8	8.4	18.1	5.8	16.6	18.0	14.9	14.9	11.1	9.9	17.9
22	11.1		10.7	8.2	21.8	9.7	8.6	13.6	11.6	7.9	13.0	15.9	23.5
23	11.3		12.5	22.2	21.9	16.3	7.6	12.1	12.3	16.3	23.4	17.2	10.2
24	6.4		13.7	23.1	17.0	16.5	14.9	12.2	13.5	19.6	15.2	18.7	13.3
25	10.0		13.5	17.1	12.7	15.6	18.2	10.5	15.1	11.9	10.2	13.0	19.5
26	14.8		15.0	15.3	15.0	10.5	11.1	16.0	17.1	9.2		6.8	22.5
27	14.8		8.9	9.6	17.0		15.1	10.9	12.0	9.9	13.4	17.9	18.4
28	12.1		15.0	19.1	21.2		15.7	13.5	15.1	21.6	22.2	22.4	7.0
29	10.5		11.6	22.0	20.6		10.1	15.0	15.0	17.7	10.0	19.0	16.2
30	8.8	15.0	12.2	21.0	20.9	11.9	12.8	11.4	15.6	10.7	10.5	9.0	19.0
31	7.3	13.8	9.5	25.1					9.9	11.5	9.9	16.9	16.7
Maximum													
Yearly	17.0	15.3	26.7	26.1	24.8	20.1	27.9	25.5	25.8	21.6	23.4	27.9	25.5
Monthly		26.7				27.9					25.8		

TABLE 39. MONTHLY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED FROM DECEMBER 1, 1965 THROUGH MARCH 31, 1970 BY TOWERS AND LEVELS

Tower	Small			Large					
Level (m)	3	10	18	18	30	60	90	120	150
Month									
January	20.6	19.1	21.2	25.6	24.3	28.3	30.3	31.1	32.6
February	22.4	23.2	25.7	25.5	27.6	27.9	28.8	28.7	30.8
March	19.1	21.9	24.2	25.5	24.9	26.1	27.1	27.8	29.1
April	18.8	20.7	23.7	26.2	25.2	26.8	27.8	27.6	28.5
May	21.6	17.5	22.8	23.5	28.1	25.7	26.6	25.9	25.1
June	28.4	28.1	34.2	32.0	37.3	37.6	40.7	38.2	38.8
July	22.9	23.0	26.2	25.4	28.2	23.2	26.4	27.3	22.6
August	18.7	21.4	23.1	22.8	25.0	25.0	25.1	25.3	27.6
September	20.4	21.7	21.4	23.6	22.7	23.8	24.5	25.6	25.5
October	18.8	20.6	22.6	25.0	25.1	26.6	28.9	27.8	26.7
November	20.9	23.8	24.3	25.4	26.8	27.0	26.2	26.8	27.9
December	19.1	21.0	25.5	22.6	23.2	25.8	25.1	25.7	25.8

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TABLE 40. PERCENTAGE FREQUENCY DISTRIBUTIONS OF DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED ON SMALL TOWER BY LEVELS, WIND SPEED CLASSES, AND NONHURRICANE-OCCURRENCE AND HURRICANE-OCCURRENCE MONTHS

Level (m)	W.S. (ms^{-1})	Nonhurricane						Hurricane					
		Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
3	0 < 10	58.06	34.68	36.61	30.65	32.50	33.87	50.83	53.23	54.03	52.50	50.81	48.33
	10 < 18	36.77	58.87	52.68	65.32	62.50	58.87	43.33	41.13	34.68	37.50	39.52	41.67
	18 < 33	1.29	1.61	6.25	4.03	0.83	2.42	4.17	1.61	0.81	2.50	1.61	1.67
	≥ 33	0	0	0	0	0	0	0	0	0	0	0	0
	M	3.87	4.84	4.46	0	4.17	4.84	1.67	4.03	10.48	7.50	8.06	8.33
10	0 < 10	40.32	34.41	34.12	18.28	15.00	24.19	40.00	50.00	46.77	31.67	35.48	41.67
	10 < 18	54.84	56.99	47.06	63.44	48.33	69.35	46.67	46.77	37.10	51.67	45.16	53.33
	18 < 33	4.84	1.08	11.76	10.75	1.67	0	6.67	3.23	4.84	1.67	14.52	3.33
	≥ 33	0	0	0	0	0	0	0	0	0	0	0	0
	M	0	7.53	7.06	7.53	35.00	6.45	6.67	0	11.29	15.00	4.84	1.67
18	0 < 10	45.81	28.39	26.95	20.65	25.00	23.39	29.17	31.45	44.35	39.17	29.84	40.83
	10 < 18	45.81	57.42	57.45	65.81	70.00	66.13	54.17	52.42	40.32	53.33	58.87	53.33
	18 < 33	5.81	4.52	12.06	10.97	2.50	7.26	8.33	6.45	4.84	4.17	8.87	5.83
	≥ 33	0	0	0	0	0	0	0.83	0	0	0	0	0
	M	2.58	9.68	3.55	2.58	2.50	3.23	7.50	9.68	10.48	3.33	2.42	0

M Missing

TABLE 41. PERCENTAGE FREQUENCY DISTRIBUTIONS OF DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED ON LARGE TOWER BY LEVELS, WIND SPEED CLASSES, AND NONHURRICANE-OCCURRENCE AND HURRICANE-OCCURRENCE MONTHS

Level (m)	W.S. (ms^{-1})	Nonhurricane						Hurricane					
		Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
18	0 < 10	41.29	25.81	26.24	16.13	18.33	22.58	33.33	39.52	37.90	36.67	27.42	36.67
	10 < 18	46.45	57.42	56.74	66.45	76.67	64.52	54.17	49.19	41.13	55.00	61.29	55.83
	18 < 33	7.74	7.74	12.06	11.61	5.00	6.45	9.17	6.45	6.45	5.00	8.06	7.50
	≥ 33	0	0	0	0	0	0	0	0	0	0	0	0
	M	4.52	9.03	4.96	5.81	0	6.45	3.33	4.84	14.52	3.33	3.23	0
30	0 < 10	40.65	25.16	19.86	18.06	17.50	19.35	34.17	37.10	38.71	37.50	25.81	33.33
	10 < 18	45.81	58.06	53.19	64.52	74.17	68.55	50.00	51.61	41.13	57.50	61.29	56.67
	18 < 33	8.39	7.74	16.31	13.55	3.33	7.26	9.17	6.45	8.06	5.00	9.68	10.00
	≥ 33	0	0	0	0	0	0	0.83	0	0	0	0	0
	M	5.16	9.03	10.64	3.87	5.00	4.84	5.83	4.84	12.10	0	3.23	0
60	0 < 10	23.23	15.48	14.89	14.84	15.00	14.52	20.00	25.00	33.06	30.83	25.00	23.33
	10 < 18	58.71	66.45	57.45	62.58	74.17	75.00	61.67	56.45	45.16	54.17	56.45	64.17
	18 < 33	9.03	13.55	17.73	16.13	5.00	8.06	11.67	7.26	8.06	7.50	10.48	11.67
	≥ 33	0	0	0	0	0	0	1.67	0	0	0	0	0
	M	9.03	4.52	9.93	6.45	5.83	2.42	5.00	11.29	13.71	7.50	8.06	6.83
90	0 < 10	20.00	10.32	9.22	8.39	10.83	14.52	20.00	27.42	27.42	28.33	22.58	15.00
	10 < 18	65.16	70.32	63.83	67.10	67.50	62.90	60.00	50.00	43.55	59.17	58.87	66.67
	18 < 33	14.19	18.06	23.40	18.71	5.00	8.87	15.83	10.48	11.29	7.50	14.52	16.67
	≥ 33	0	0	0	0	0	0	1.67	0	0	0	0	0
	M	0.65	1.29	3.55	5.81	16.67	13.71	2.50	12.10	17.74	5.00	4.03	1.67
120	0 < 10	16.13	10.32	8.51	7.10	7.50	11.29	20.00	24.19	30.65	30.00	17.74	13.33
	10 < 18	64.52	61.94	61.70	68.39	70.83	62.10	60.83	60.48	46.77	56.67	59.68	64.17
	18 < 33	12.90	15.48	24.82	20.00	5.00	7.26	15.00	12.10	9.68	8.33	12.10	16.67
	≥ 33	0	0	0	0	0	0	2.50	0	0	0	0	0
	M	6.45	12.26	4.96	4.52	16.67	19.35	1.67	3.23	12.90	5.00	10.48	5.83
150	0 < 10	17.42	5.81	8.51	5.81	8.33	8.87	23.33	25.81	33.87	18.33	20.97	12.50
	10 < 18	63.23	64.52	54.61	63.87	68.33	66.94	55.83	60.48	37.90	53.33	75.65	60.83
	18 < 33	13.06	21.29	28.37	21.94	4.17	8.06	14.17	8.87	8.87	8.33	10.48	18.33
	≥ 33	0	0	0	0	0	0	0.83	0	0	0	0	0
	M	1.29	8.39	8.51	8.39	19.17	16.13	5.83	4.84	19.35	20.00	12.90	8.33

M Missing

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TABLE 42. COMPOSITE OF PERCENTAGE FREQUENCY DISTRIBUTIONS OF DAILY MAXIMUM HORIZONTAL WIND SPEED (ms^{-1}) RECORDED BY TOWERS, LEVELS, WIND SPEED CLASSES, AND NONHURRICANE AND HURRICANE SEASONS

Period	Tower	Small			Large					
	Level (m)	3	10	18	18	30	60	90	120	150
	W.S. (ms^{-1})									
Dec-May (Nonhurricane)	0 < 10	37.73	27.72	28.36	25.06	23.43	16.33	12.21	10.14	9.12
	10 < 18	55.84	56.67	60.44	61.38	60.72	65.73	66.14	64.91	63.58
	18 < 33	2.74	5.02	7.19	8.45	9.43	11.58	14.70	14.24	16.98
	≥ 33	0	0	0	0	0	0	0	0	0
	M	3.70	10.60	4.02	5.13	6.42	6.36	6.95	10.70	10.31
June-Nov (Hurricane)	0 < 10	51.62	40.93	35.80	35.25	34.44	26.20	23.46	13.33	22.47
	10 < 18	39.64	46.78	52.07	52.77	53.03	56.34	56.38	64.17	54.00
	18 < 33	2.06	5.71	6.41	7.10	8.06	9.44	12.72	16.67	11.51
	≥ 33	0	0	0.14	0	0.14	0.28	0.28	0	0.14
	M	6.68	6.58	5.57	4.88	4.33	7.73	7.17	5.83	11.88
Dec-Nov (Annual)	0 < 10	44.68	34.32	32.08	30.16	28.94	21.26	17.84	11.74	15.80
	10 < 18	47.74	51.72	56.26	57.07	56.88	61.04	61.26	64.54	58.79
	18 < 33	2.40	5.36	6.80	7.78	8.74	10.51	13.71	15.46	14.24
	≥ 33	0	0	0.07	0	0.07	0.14	0.14	0	0.07
	M	5.19	8.59	4.80	5.00	5.38	7.04	7.06	8.26	11.10

M Missing

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APPROVAL

AN ANALYSIS OF MAXIMUM HORIZONTAL WIND SPEEDS RECORDED SINCE 1961 AT KENNEDY SPACE CENTER, FLORIDA

By Margaret B. Alexander

The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

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