LAKE WORTH UTILITIES AUTHORITY

CITY OF LAKE WORTH
114 COLLEGE STREET
LAKE WORTH, FLORIDA 33460

TELEPHONE 585-2571 EXT. 55

CLIFFORD C. BLAISDELL, JR.
UTILITIES DIRECTOR

June 24, 1974

Mr. Hamilton S. Oven, Jr.
Deputy Executive Director
Florida Department of Pollution Control
2565 Executive Center Circle, East
Montgomery Building
Tallahassee, Florida 32301

Subject: Lake Worth Utilities Authority
Application for Unit S-5 Site
Certification
Engineer's Project No. 73014-1

Dear Mr. Oven:

The attached material presents the information requested in your May 28, 1974, letter, (attached) regarding the subject application, officially submitted to the Department of Pollution Control May 9, 1974.

Your department's favorable consideration of our application in the near future is respectfully requested.

Very truly yours,

LAKE WORTH UTILITIES AUTHORITY

C. C. Blaisdell, Jr.
Utilities Director

CCBJr/dh

Attachments

STATE OF FLORIDA

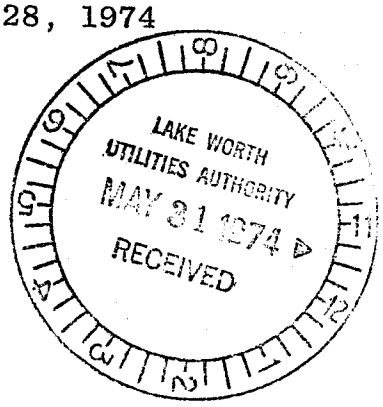
DEPARTMENT OF POLLUTION CONTROL

2562 EXECUTIVE CENTER CIRCLE, EAST
MONTGOMERY BUILDING, TALLAHASSEE, FLORIDA 32301

PETER P. BALJET
EXECUTIVE DIRECTOR

May 28, 1974

DAVID H. LEVIN
CHAIRMAN



Mr. Clifford C. Blaisdell, Jr.
Utilities Director
City of Lake Worth
114 College Street
Lake Worth, Florida 33460

Dear Mr. Blaisdell:

The Department of Pollution Control has been reviewing the material submitted as an application for certification of a site for a steam-electric generating Unit S-5. While almost all information is generally encompassed in the Ten-Year Site Plan and applications to construct air and water pollution sources, it is difficult for this agency or other agencies to review in the present format. You are hereby requested to submit the following in 25 copies:

1. U.S. Geological Survey quadrangle map showing plant location with information noted as requested in section 2.1 and 2.2 of the application form.

2. Your comments regarding compliance with this department's application format should be amplified to state why not applicable or the specific pages in the Ten-Year Site Plan referred to.

Since the Ten-Year Site Plan submitted by you considered Unit S-5 under construction certain information was not provided. Please address in detail sections 2.5(c), 3.2(a), 3.7(b) and section 4 of the application form.

The department will try to expedite review and certification of the proposed unit. However, I can not commit the department to the time table mentioned in your letter of May 15, 1974.

Sincerely yours,

Hamilton S. Oven, Jr.
Hamilton S. Oven, Jr.
Deputy Executive Director

HSOJr/wm

cc: Mr. Bill White
Mr. Tom Krilowicz, Mr. Francis Seidman

CONTENTS

Comments regarding Lake Worth Utilities Authority's compliance with January 1, 1974 Department of Pollution Control Standard Format for Application For Site Certification For Unit S-5.

1 Pertinent Applicant Information

Site Plan, Form 1A

Application For Permit To Construct A Water Pollution Source

Application For Permit To Construct An Air Pollution Source

2 The Site

2.1 Attached

2.2 Attached

2.3 Not Applicable - see Site Plan Pages 4-3, 4-4

2.4 Not Applicable - see Site Plan Pages 3-4, 4-3, 4-4

2.5 a. Not Applicable

Site Plan Pages 3-4, 4-3, 4-4

b. Application For Permit To Construct A Water Pollution Source

Supplement A and B

Liquid wastes are disposed of in the Lake Worth Sanitary Sewer System. Water is purchased from the Lake Worth Water Department.

c. Attached

d. Application For Permit To Construct A Water Pollution Source

Supplement A and B

e. See 2.5b

f. See 2.5b

g. See 2.5b

h. See 2.5b

2.6 See attached climatological data

Site Plan Pages 4-3, 4-4, and

Air Quality Impact Evaluation (included with Site Plan)

2.7 a. Not Applicable

Site Plan 4-3, 4-4

b. See 2.7a

c. See 2.7a

d. See 2.7a

e. See 2.7a

f. See 2.7a

2.8 a. Site Plan, "Air Quality Impact Evaluation"

b. Site Plan, "Air Quality Impact Evaluation"

2.9 Section 2.1, 2.2

Site Plan Pages 4-3, 4-4

3 The Plant

3.1 Site Plan Exhibits 1, 2 and 3

Application For Permit To Construct An Air Pollution Source

Plot Plan and Flow Diagram

Application For Permit To Construct A Water Pollution Source

Plot Plan and Flow Diagram

3.2 Application For Permit To Construct An Air Pollution Source

Attached

3.3 a. Application For Permit To Construct A Water Pollution Source

Section 2.5b

b. Application For Permit To Construct A Water Pollution Source

Section 2.5b

c. Attached water use tabulation

d. Attached water use tabulation

Application For Permit To Construct A Water Pollution Source

3.4 a. Not Applicable - Lake Worth Utilities Authority Unit S-5 will be equipped with a closed loop, fresh water, cooling tower system. Make up water will be supplied by the Lake Worth Utilities Authority Water System.

b. See 3.4a

c. See 3.4a

d. See 3.4a

e. See 3.4a

f. See 3.4a

g. See 3.4a

h. See 3.4a

3.5 a. Application For Permit To Construct A Water Pollution Source

Waste is disposed of in Lake Worth Sanitary Sewer System

b. See 3.5a

c. See 3.5a

d. See 3.5a

3.6 a. Application For Permit To Construct A Water Pollution Source

b. Application For Permit To Construct A Water Pollution Source

c. Not Applicable

d. Application For Permit To Construct A Water Pollution Source

Application For Permit To Construct An Air Pollution Source

3.7 a. Application For Permit To Construct An Air Pollution Source

Air Quality Impact Evaluation

b. Attached

c. Application For Permit To Construct An Air Pollution Source

Drawing No. 1 and 2

d. Application For Permit To Construct An Air Pollution Source

Drawing No. 1 and 2

e. None

3.8 a. Not Applicable

There will be no associated transmission facilities involved in the construction and operation of Unit S-5. Generator leads from the unit will be run approximately 250 feet underground to the existing 138 kV substation.

b. See 3.8a

c. See 3.8a

d. See 3.8a

e. See 3.8a

f. See 3.8a

g. See 3.8a

h. See 3.8a

4 Environmental Effects of Site Preparation and Construction

4.1 Attached

4.2 Attached

4.3 Attached

4.4 Attached

5 Environmental Effects of Plant Operation

5.1 a. Not Applicable

Site Plan Page 3-4 and Exhibit 3

Application For Permit To Construct A Water Pollution Source

Supplement A and B

b. Not Applicable - see 5.1a

c. Not Applicable - see 5.1a

d. Not Applicable - see 5.1a

e. Not Applicable - see 5.1a

f. Not Applicable - see 5.1a

g. Due to the southern location and nearness to the ocean, the Lake Worth Utilities Authority Power Plant rarely encounters conditions conducive to significant cooling tower fogging. These conditions typically occur in the winter season during the early morning hours when the wind is out of the North-North West.

Historically the plume rises to a relatively high altitude (+1000 ft) and is generally carried in a South-Southeast direction. Dissipation is quite rapid with the plume frequently dispersing while still over plant site area.

5.2 a. Not Applicable

Application For Permit To Construct A Water Pollution Source

b. Drift loss from Unit S-5 cooling tower, expected to be less than .005% of coolant flow, will either evaporate into the atmosphere or fall on the paved areas surrounding the tower (see map from Section 2.1 and 2.2 and Plot Plan). (See Application For Permit To Construct A Water Pollution Source for tower water contents.)

5.3 Existing sanitary waste systems are connected to the Lake Worth Sanitary Sewer System as will be systems for Unit S-5. An increase in sanitary waste is not anticipated due to the new unit.

5.4 Air Quality Impact Evaluation

5.5 Not Applicable

Site Plan Pages 3.8 and 4.3

5.6 None

5.7 None

6 Environmental Measurements and Monitoring Programs

6.1 Lake Worth Utilities Authority is presently working with the County Health Department in an effort to establish a sampling or monitoring system acceptable to the Department of Pollution Control.

6.2 a. Not Applicable

Section 2.5b

b. Not Applicable

Section 2.5b

6.3 a. Not Applicable

Site Plan Pages 4-3, 4-4

b. See 6.3a

c. See 6.3a

d. See 6.3a

6.4 a. Not Applicable

Section 2.5b

b. See 6.4a

6.5 a. Air Quality Impact Evaluation

b. Air Quality Impact Evaluation

c. Air Quality Impact Evaluation

6.6 Not Applicable

Site Plan Pages 4-3, 4-4

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
JANUARY 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65° Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. - - - Elev. 21 feet m.s.l.	Wind Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Sunshine Hours and tenths	Sunshine Percent of possible	Sky cover Tenths Sunrise to sunset	Sky cover Tenths Midnight to midnight	Date
1	82	65	74	6	66	0	9		0	T	0	30.08	11	5.0	5.2	15	14			7	6	1
2	83	66	75	7	69	0	10		0	.10	0	30.10	10	7.1	7.9	15	11			6	7	2
3	82	71	77	9	70	0	12		0	.16	0	30.12	13	9.0	9.6	20	12			8	4	3
4	83	69	76	8	69	0	11		0	0	0	30.11	14	4.4	4.6	12	15			2	2	4
5	83	66	75	7	67	0	10	2	0	0	0	30.07	04	1.3	5.9	12	10			3	3	5
6	84	66	75	7	66	0	10	1 8	0	0	0	30.07	25	2.6	5.3	10	29			6	6	6
7	83	62	73	5	64	0	8	2 8	0	0	0	30.06	20	1.7	4.3	10	03			5	3	7
8	86	64	75	7	64	0	10		0	0	0	30.02	21	7.0	7.3	18	24			5	3	8
9	70	63	67	0	61	0	2	1 8	0	.10	0	30.07	33	9.0	10.8	20	34			10	9	9
10	76	61	69	2	62	0	4	1 8	0	T	0	29.99	33	6.4	6.6	12	32			9	9	10
11	69	61	65	-2	61	0	0	1 3 8	0	.90	0	29.87	32	8.2	8.5	20	32			10	10	11
12	67	50	59	-8	56	6	0	1 8	0	.04	0	29.86	31	13.2	14.2	26	30			10	10	12
13	61	41	51	-16	40	14	0		0	0	0	30.19	31	11.5	11.9	23	31			0	1	13
14	72	44	58	-9	43	7	0		0	0	0	30.26	32	9.4	9.6	15	33			3	3	14
15	68	50	59	-8	41	6	0		0	0	0	30.24	31	7.8	8.3	20	32			10	9	15
16	77	53	65	-2	51	0	0	8	0	0	0	30.24	03	7.6	11.2	25	07			10	10	16
17	78	69	74	7	54	0	9		0	0	0	30.21	08	15.4	15.5	25	07			5	7	17
18	81	64	73	6	61	0	8		0	0	0	30.08	09	11.0	11.1	18	11			3	3	18
19	84	59	72	5	59	0	7	1	0	0	0	29.98	27	6.4	7.1	16	29			2	1	19
20	76	55	66	-1	53	0	1	2 8	0	0	0	29.97	30	3.6	6.0	10	09			3	4	20
21	79	55	67	0	57	0	2		0	0	0	29.94	14	9.0	9.2	23	14			9	9	21
22	81	73	77	10	69	0	12		0	.25	0	29.94	15	14.0	14.4	26	14			10	9	22
23	87*	69	78*	11	68	0	13		0	.62	0	29.98	29	4.1	7.6	18	30			9	9	23
24	77	65	71	4	63	0	6	1	0	T	0	30.02	33	5.6	6.0	18	36			10	8	24
25	77	60	69	2	56	0	4		0	0	0	30.09	06	7.4	11.2	20	08			10	7	25
26	79	69	74	7	60	0	9		0	0	0	30.07	12	10.0	10.6	20	12			9	9	26
27	84	70	77	10	66	0	12		0	.25	0	29.99	18	6.0	8.3	18	16			9	9	27
28	86	59	73	6	65	0	8		0	.18	0	29.89	22	7.1	9.9	26	20			9	8	28
29	66	47	57	-10	50	8	0		0	.02	0	29.98	28	11.5	12.5	33	29			7	7	29
30	64	38*	51*	-16	39	14	0		0	0	0	30.25	34	9.3	9.9	22	34			3	3	30
31	77	51	64	-3	52	1	0		0	0	0	30.21	09	9.4	12.4	29	09			8	7	31
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2402	1855				56	177	Number of days		2.62	0	30.06	01	.8	9.1	33	29		for	210	195	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.						Date:	29	Possible	month	Avg.	Avg.	
	77.5	59.8	68.7	1.8	59	-31		≤ .01 inch	10	0.14										6.8	6.3	
	Number of days					Season to date		Snow, ice pellets														
	Maximum Temp.		Minimum Temp.			Total	Total	≤ 1.0 inch	0	Greatest in 24 hours and dates								Greatest depth on ground of snow, ice pellets or ice and date				
	≤ 90°‡	≤ 32°	≤ 32°	≤ 0°		Dep.	Dep.	Thunderstorms	1	Precipitation		Snow, ice pellets										
	0	0	0	0		-60		Heavy fog X	3	.92	11-12	0						0				
								Clear 7	Partly cloudy 9	Cloudy 15												

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1			T	T																					1
2																									2
3							.08	T	.02		.06								T	.10	T	T	T		3
4																									4
5																									5
6																									6
7																									7
8																									8
9																				-					9
10				T						T	T	T	T										.10	T	10
11	T			T	.28	.52	T	.01	.02	T	.01	.01	T		T										11
12	T	T	.01	.01	T			T	.01	.01	T		T	T	T	T	T	.01		.04	T				12
13																									13
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22											T	.01	T	.04	.20									T	22
23	.05	.50	.07																						23
24							T	T	T																24
25																									25
26																									26
27																									27
28											T	T				T		T	.22	.02	T	.01			28
29	T	T	.02	T		T	T	T	T	T									.02	.10	.01	.05	T	T	29
30																									30
31																									31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≤ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $2.00 per year including annual issue if published; 75¢ extra for foreign mailing. Single copy: 20¢ for monthly issue; 15¢ for annual issue. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	Sky cover Tenths	Station pressure In.	AVERAGES Temperature Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind Direction	Speed m.p.h.
01	6	30.06	65	61	58	80	7.3	33	1.4
04	5	30.04	64	60	58	81	7.5	33	1.5
07	6	30.06	63	59	57	83	7.1	31	2.0
10	7	30.11	70	64	59	69	10.6	13	.2
13	7	30.06	75	66	60	60	12.5	09	1.2
16	7	30.03	75	66	60	60	12.4	06	1.9
19	6	30.06	69	63	59	72	8.1	01	1.6
22	5	30.03	66	62	58	79	7.6	07	.7

USCOMM—NOAA—ASHEVILLE

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Units Miles	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR	WIND SPEED Knots
DAY 01											
01	9	UNL	12			73	69	65	75	00	0
04	2	UNL	12			89	65	64	84	00	0
07	9	250	10			67	64	63	87	00	0
10	10	250	13			79	71	67	67	12	10
13	5	UNL	13			81	72	67	63	14	7
16	4	UNL	13			83	71	65	62	11	8
19	8	30	13			75	69	66	74	11	4
22	9	UNL	12			76	70	67	74	09	7
DAY 02											
01	9	UNL	12			74	69	67	79	10	6
04	5	UNL	12			72	69	67	84	10	4
07	5	UNL	12			68	65	64	87	33	3
10	5	UNL	13			80	73	70	72	10	9
13	7	30	13			83	74	70	65	09	10
16	6	300	13			81	73	70	69	10	10
19	8	30	12		RW	77	72	70	79	12	5
22	8	UNL	12			76	72	70	82	11	8
DAY 03											
01	9	60	12			77	72	70	79	09	8
04	4	UNL	12			76	71	69	79	09	6
07	10	17	8		RW	75	72	70	85	12	7
10	8	25	12			80	73	70	72	14	14
13	7	30	13			81	73	70	69	15	12
16	6	30	13			81	73	70	69	14	12
19	9	UNL	13			75	71	69	82	13	4
22	9	UNL	12			73	70	69	87	13	4
DAY 04											
01	9	UNL	10			73	70	69	87	00	0
04	3	UNL	10			75	72	70	85	13	5
07	3	UNL	10			70	68	67	90	00	0
10	2	UNL	13			80	73	69	74	08	8
13	3	UNL	13			83	73	68	61	17	8
16	3	UNL	13			81	73	69	67	13	7
19	9	UNL	12			75	71	69	82	12	4
22	9	UNL	12			71	69	68	90	00	0
DAY 05											
01	7	45	10			70	67	66	87	34	4
04	10	2	0	12	F	68	66	65	90	34	5
07	5	UNL	0	4	GF	67	65	64	90	28	4
10	1	UNL	13			77	72	70	79	28	4
13	6	25	13			81	72	67	63	05	7
16	3	UNL	13			81	72	68	65	10	10
19	0	UNL	12			75	70	68	79	13	3
22	0	UNL	12			71	68	67	87	18	4
DAY 06											
01	2	UNL	10			69	65	65	87	26	4
04	0	UNL	8			68	66	65	90	25	4
07	8	250	5		GF	67	65	64	90	24	5
10	1	UNL	12			77	71	68	74	24	7
13	8	25	13			83	71	65	55	30	7
16	8	40	12			81	72	67	63	09	7
19	9	45	10			74	69	67	79	00	0
22	7	UNL	10			72	69	67	84	17	3
DAY 07											
01	2	UNL	10			68	66	65	90	25	4
04	2	UNL	4		GF	66	65	64	93	26	5
07	0	UNL	5		GF	63	62	62	97	00	0
10	7	UNL	7			74	68	65	74	31	4
13	9	30	12			81	69	63	54	20	4
16	3	UNL	12			80	70	64	58	11	8
19	0	UNL	10			74	68	65	74	16	5
22	3	UNL	10			68	65	64	87	00	0
DAY 08											
01	4	UNL	8			67	64	63	87	21	5
04	0	UNL	10			65	64	63	93	18	5
07	0	UNL	10			65	64	63	93	23	4
10	0	UNL	13			77	70	67	71	21	7
13	10	60	12			82	71	65	56	20	12
16	8	250	12			84	70	62	48	24	7
19	3	UNL	12			75	70	67	76	19	4
22	0	UNL	12			71	69	68	76	21	7
DAY 09											
01	4	UNL	10			68	65	63	84	23	5
04	2	UNL	5		GF	65	63	62	90	21	3
07	10	23	5		F	66	64	63	90	34	13
10	10	9	5		F	65	62	60	84	34	10
13	10	14	6		KH	68	63	60	76	33	12
16	10	23	6		KH	67	63	60	78	34	14
19	10	28	7			65	61	58	78	36	10
22	10	20	5		H	65	61	58	78	34	8
DAY 10											
01	10	25	6		H	64	61	59	84	36	7
04	10	90	5		H	62	60	59	90	32	9
07	10	40	4		H	61	59	58	90	34	10
10	10	10	4		LH	65	61	59	81	33	8
13	10	50	6		H	71	68	66	84	32	5
16	9	25	8			75	70	67	76	32	3
19	3	UNL	8			70	67	66	87	34	4
22	10	50	0	8	F	66	65	64	93	00	0
DAY 11											
01	10	2	1		F	66	64	63	90	34	4
04	10	3	4		RF	65	63	62	90	32	8
07	10	3	4		RF	63	62	61	93	30	8
10	10	3	5		H	63	61	59	87	30	7
13	10	5	8			67	64	62	84	32	8
16	10	5	2	8	FK	65	63	62	90	34	10
19	10	5	2	8	FK	63	62	61	93	33	6
22	10	5	3		FK	63	61	60	90	34	8
DAY 12											
01	10	16	4		LFK	64	62	60	87	34	7
04	10	3	3		RF	61	59	58	90	35	14
07	10	23	10			65	62	60	84	32	8
10	10	5	3		LF	64	62	61	90	33	11
13	10	6	7		L	60	58	57	90	30	17
16	10	8	6		K	56	55	54	93	29	16
19	10	9	12			54	51	48	80	30	12
22	10	6	12			51	49	48	90	29	14
DAY 13											
01	10	8	8			49	47	46	89	31	14
04	3	UNL	10			45	43	41	86	31	12
07	0	UNL	10			41	40	39	93	29	8
10	0	UNL	13			50	45	39	66	30	14
13	0	UNL	13			59	49	38	66	31	13
16	0	UNL	13			60	49	38	64	34	10
19	0	UNL	13			51	46	40	66	33	5
22	0	UNL	13			49	45	40	71	30	7
DAY 14											
01	0	UNL	12			47	42	36	68	31	9
04	0	UNL	12			45	40	34	65	31	8
07	0	UNL	12			44	41	37	76	30	8
10	3	UNL	13			58	51	44	60	32	9
13	3	UNL	13			69	57	48	47	31	9
16	7	45	13			72	59	48	43	33	9
19	2	UNL	12			60	53	30	70	33	8
22	2	UNL	12			56	52	48	75	34	7
DAY 15											
01	10	300	12			55	51	48	77	31	11
04	5	UNL	12			52	45	36	55	31	4
07	10	250	12			50	43	35	57	32	6
10	10	200	10			54	44	33	49	31	8
13	10	200	10			63	52	42	46	34	10
16	10	200	12			67	55	45	49	28	9
19	5	UNL	12			58	51	45	62	30	7
22	10	300	12			55	50	45	69	27	3
DAY 16											
01	10	250	12			54	50	46	75	30	4
04	10	250	12			55	51	48	77	30	8
07	10	250	7			57	53	50	78	33	7
10	10	250	5		KH	62	57	54	75	33	5
13	10	30	8			76	63	53	48	05	14
16	10	250	12			74	61	52	46	06	14
19	10	30	12			71	60	52	51	07	12
22	10	250	10			70	59	50	49	06	14
DAY 17											
01	7	25	10			71	60	52	51	09	14
04	8	25	12			70	60	52	53	08	11
07	4	UNL	13			69	60	53	57	07	13
10	3	UNL	13			75	63	54	48	08	15
13	3	UNL	13			77	64	56	48	07	17
16	10	35	13			76	64	56	50	08	15
19	10	50	13			72	62	56	57	08	12
22	8	300	12			72	62	56	57	09	11
DAY 18											
01	5	UNL	12			72	64	59	64	09	12
04	1	UNL	12			71	64	59	69	09	10
07	1	UNL	12			70	63	58	66	08	9
10	2	UNL	13			78	67	60	54	09	12
13	3	UNL	13			79	68	61	54	08	14
16	3	UNL	13			79	69	63	58	09	10
19	4	UNL	12			73	66	62	69	09	6
22	4	UNL	12			70	63	62	76	11	4
DAY 19											
01	2	UNL	12			64	61	59	84	25	4
04	0	UNL	10			62	60	58	87	27	4
07	0	UNL	5		GF	61	59	57	87	35	3
10	0	UNL	10			72	66	63	73	25	5
13	4	UNL	13			82	69	62	51	23	9
16	3	UNL	13			83	66	56	40	29	10
19	0	UNL	12			74	64	57	55	27	7
22	0	UNL	12			69	63	59	71	28	7
DAY 20											
01	0	UNL	8			64	62	60	87	29	7
04	10	3	0	12	F	62	60	59	90	29	7
07	3	UNL	1	8	GF	58	56	55	90	28	3
10	5	UNL	2		GF	60	57	55	84	30	5
13	0	UNL	13			73	59	47	40	33	8
16	1	UNL	13			74	60	50	43	09	8
19	0	UNL	12			63	56	50	63	26	4
22	8	UNL	12			57	53	50	78	00	0
DAY 21											
01	8	250	12			57	54	51	80	00	0
04	10	300	10			57	53	50	78	00	0
07	7	UNL	10			56	53	50	80	16	4
10	8	250	13			76	65	59	56	14	9
13	10	250	12			78	67	60	54	13	16
16	10	250	12			76	67	61	60	14	14
19	9	120	12			75	66	60	60	17	9
22	8	120	12			75	66	61	62	15	12
DAY 22											
01	7	100	12			75	68	64	69	14	16
04	6	20	12			76	70	67	74	14	17
07	10	85	12			77	71	68	74	15	14
10	10	15	10			80	73	70	72	16	18
13	10	100	8			79	73	71	77	17	13
16	10	100	8			80	74	71	74	16	12
19	9	60	8			77	72	69	76	18	6
22	5	UNL	8			74	71	69	84	17	4
DAY 23											
01	10	12	4		RW	74	71	70	87	30	4
04	10	70	10			72	70	69	90	24	4
07	10	80	10			72	69	68	87	13	5
10	9	18	10			75	70	68	79	29	5
13	10	100	13			83	74	70	65	19	8
16	10	20	12			83	73	69	63	30	14
19	10	20	10			70	67	65	84	33	8
22	10	UNL	10			70	67	65	84	34	5
DAY 24											
01	6	250	10			68	66	65	90	00	0
04	10	100	10			68	65	64	87	00	0
07	10	11	5		RWP	68	65	64	87	30	7
10	10	80	10			71	67	65	81	32	5
13	10	18	12			76	69	66	71	35	7
16	10	19	8			72	66	62	71	36	10
19	3	UNL	8			69	64	61	76	31	5
22	1	UNL	8			66	62	59	78	34	8
DAY 25											
01	5	UNL	8			64	60	58	81	32	6
04	0	UNL	12			62	58	56	81	33	7
07	6	UNL	12			62	58	55	78	32	7
10	10	330	13			75	64	56	52	06	10
13	10	300	13			76	64	57	52	08	14
16	10	300	13			75	64	56	52	08	12
19	10	UNL	12			71	62	56	59	07	11
22	3	UNL	12			71	62	56	59	10	11
DAY 26											
01	10	UNL	12			70	61	55	59	10	9
04	10	250	12			71	63	57	61	09	12
07	10	250	12			71	63	58	64	11	8
10	10	250	13			76	65	59	56	13	11
13	7	250	13			78	67	61	56	12	11
16	10	25	12			76	67	62	62	15	8
19	10	35	12			75	67	62	64	13	7
22	8	UNL	10			74	68	64	71	14	8
DAY 27											
01	10	250	10			73	68	63	76	15	8
04	8	UNL	10			72	67	63	79	17	5
07	10	250	10			70	67	65	84	19	4
10	10	120	12			78	71	67	69	19	9
13	9	250	12			82	71	66	58	17	10
16	6	250	13			80	72	68	67	15	11
19	2	UNL	12		RW	73	70	68	84	30	7
22	10	50	8			71	68	66	84	25	4
DAY 28											
01	6	85	10			70	67	66	87	00	0
04	2	UNL	10			70	67	65	84	17	4
07	10	85	7			70	67	65	84	23	4
10	10	65	10			79	73	70	74	19	12
13	9	65	12			83	73	69	63	17	14
16	9	250	12			85	72	66	53	23	17
19	10	28	7		RW	68	64	62	81	31	10
22	10	25	6		RW	59	56	54	84	25	8
DAY 29											
01	10	85	10		R	60	57	54	81	25	7
04	10	100	10			60	57	55	84	25	6
07	10	100	8		R	59	56	54	84	22	7
10	10	80	8			61	58	55	81	29	13
13	9	80	10			63	56	50	63	29	17
16	8	30	10			63	54	47	56	29	18
19	0	UNL	8			56	50	44	64	30	10
22	0	UNL	10			51	46	41	69	30	9
DAY 30											
01	0	UNL	12			46	42	38	74	34	14
04	0	UNL	12			42	39	35	76	32	9
07	0	UNL	13			38	35	30	73	33	10
10	0	UNL	13			49	42	33	54	35	10
13	2	UNL	13			62	51	41	46	02	10
16	2	UNL	13			63	54	45	52	33	6
19	2	UNL	12			58	52	47	67	32	6
22	10	300	10			55	50	46	72	30	4
DAY 31											
01	5	UNL	10			53	49	46	77	32	3
04	1	UNL	10			52	49	46	80	34	5
07	3	UNL	10			51	48	46	83	26	3
10	8	35	13			71	60	52	51	10	13
13	9	35	13			74	63	55	52	11	13
16	10	30	13			74	63	55	52	09	15
19	10	35	13			72	63	58	62	09	17
22	10	300	10			72	63	57	59	10	17

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 01

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
FEBRUARY 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation: Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind: Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Direction	Sunshine: Hours and tenths	Percent of possible	Sky cover Tenths: Sunrise to sunset	Midnight to midnight	Date
1	81	72	77	10	63	0	12		0	.10	0	30.09	11	16.0	16.1	20	14			10	10	1
2	85*	74	80*	13	69	0	15		0	.07	0	29.98	16	10.8	11.2	21	14			10	10	2
3	75	53	64	-3	51	1	0		0	.17	0	30.03	30	12.3	12.5	18	29			5	5	3
4	71	46	59	-8	47	6	0		0	0	0	30.20	33	9.6	10.9	15	04			0	0	4
5	75	54	65	-2	52	0	0		0	0	0	30.23	01	2.8	6.0	9	33			4	5	5
6	77	52	65	-2	51	0	0		0	0	0	30.21	05	1.6	5.3	9	10			2	2	6
7	78	53	66	-1	52	0	1	1	0	0	0	30.16	24	1.0	4.9	8	31			1	2	7
8	80	52	66	-1	55	0	1	1 8	0	0	0	30.03	19	6.2	6.5	16	16			2	1	8
9	83	57	70	3	58	0	5		0	.03	0	29.84	16	9.9	10.5	21	15			3	4	9
10	75	42	59	-8	49	6	0		0	.04	0	29.75	27	18.6	20.3	29	26			6	8	10
11	56	39*	48*	-19	32	17	0		0	0	0	30.07	30	14.4	14.5	20	31			9	7	11
12	73	43	58	-9	43	7	0		0	0	0	30.14	02	5.8	10.4	14	07			8	6	12
13	77	52	65	-2	50	0	0		0	.01	0	30.15	09	6.6	9.2	15	11			8	8	13
14	80	66	73	5	58	0	8		0	.30	0	30.08	14	10.6	11.4	20	16			7	7	14
15	83	58	71	3	61	0	6	3	0	.57	0	29.98	23	6.6	10.2	15	27			7	6	15
16	70	51	61	-7	39	4	0		0	0	0	30.07	31	10.0	10.4	14	32			0	1	16
17	64	46	55	-13	38	10	0		0	T	0	30.14	33	11.7	12.8	17	33			5	6	17
18	65	53	59	-9	51	6	0		0	.20	0	30.13	06	3.7	7.5	15	11			10	10	18
19	65	60	63	-5	57	2	0		0	.56	0	30.09	34	7.9	8.2	12	33			10	10	19
20	72	54	63	-5	49	2	0	2 8	0	0	0	30.08	31	10.6	10.9	17	31			9	8	20
21	72	49	61	-7	42	4	0		0	0	0	30.09	32	10.9	12.1	21	31			5	3	21
22	70	47	59	-9	38	6	0		0	0	0	30.03	32	7.6	8.2	16	35			4	3	22
23	67	45	56	-12	41	9	0		0	T	0	30.02	29	3.9	4.3	13	30			10	8	23
24	75	52	64	-4	47	1	0		0	T	0	30.13	03	2.4	6.0	12	03			9	9	24
25	73	63	68	0	61	0	3		0	.57	0	30.16	09	4.8	7.1	15	12			10	9	25
26	83	62	73	5	62	0	8	8	0	.07	0	30.07	20	3.5	8.8	16	30			9	8	26
27	75	53	65	-3	53	0	0	1 8	0	0	0	30.03	30	7.6	8.5	16	33			8	6	27
28	78	53	66	-3	53	0	1	8	0	.02	0	30.13	01	7.7	11.9	20	02			5	6	28
Sum	2073	1503				Total 81	Total 60			Total 2.71	Total 0	For the month: 30.07	31	2.4	9.9	29	26	Total	% for Possible month	Sum 176	Sum 159	
Avg.	74.2	53.7	64.0	-3.6	51	Dep. 17	Dep.			Dep. 0.36						Date: 10				Avg. 6.3	Avg. 6.0	

Number of days				Season to date	
Maximum Temp. ≤ 90° ‡	Maximum Temp. ≤ 32°	Minimum Temp. ≤ 32°	Minimum Temp. ≤ 0°	Total 179	Total 237
0	0	0	0	Dep. -43	Dep.

Number of days	
Precipitation ≥ .01 inch	13
Snow, ice pellets ≥ 1.0 inch	0
Thunderstorms	1
Heavy fog X	1
Clear 6 Partly cloudy 9 Cloudy 13	

Greatest in 24 hours and dates			Greatest depth on ground of snow, ice pellets or ice and date
Precipitation	Snow, ice pellets		
.69 18-19	0		0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. 1	2	3	4	5	6	7	8	9	10	11	12	P.M. 1	2	3	4	5	6	7	8	9	10	11	12	Date
1											T	T					T	.02	.03			T	T	.05	1
2	T	.02	.01							.02	.02			T	T										2
3		.08		.02	.06	.01	T			T	T														3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10	.02	.02	T	T																				.03	10
11																									11
12																									12
13																									13
14	.30																			T	T			.01	14
15												.32	.25			T									15
16																									16
17																									17
18	T	T	.01	T	.01			T						T	.02	.01	.02	.01	.02	T	T	.04	.03	T	18
19	T		T	T	.01	.01	T	T	.01	.05	.11	.20	.09	.03	T	.02	.01	T	T	.01	T	.01		.03	19
20																									20
21																									21
22																									22
23													T	T	T										23
24																			T	T	T	T	T	T	24
25	T	.01	.01	T					.05	.01	T	T		T	.01					.42	.06	T	T	T	25
26		T			T	T			T	T	.07														26
27																									27
28																	T	.02	T	T	T	T			28

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $2.00 per year including annual issue if published; 75¢ extra for foreign mailing. Single copy: 20¢ for monthly issue; 15¢ for annual issue. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	Averages: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	6	30.07	59	55	51	74	9.0	28	3.7
04	5	30.05	58	54	50	75	9.2	29	4.2
07	6	30.08	57	53	49	75	8.0	30	2.9
10	6	30.12	66	58	51	60	11.1	32	3.8
13	6	30.08	71	60	51	52	12.4	36	2.9
16	7	30.04	71	60	51	51	12.9	36	2.1
19	7	30.06	65	57	51	62	8.4	35	2.0
22	6	30.09	62	56	51	69	8.1	29	1.3

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hnds. of ft.	VISIBILITY Whole Miles	VISIBILITY 1/64ths Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR	WIND SPEED Knots
DAY 01											
01	10	300	10			73	63	57	57	12	17
04	7	300	10			73	64	58	59	11	11
07	10	100	10			75	66	60	60	11	13
10	10	23	7			78	68	64	65	12	10
13	10	40	10			80	70	65	60	10	15
16	10	20	7			78	71	67	69	11	15
19	10	13	7			74	70	68	82	12	14
22	10	14	7		RW	75	70	67	76	11	17
DAY 02											
01	8	15	8		RW	75	70	68	79	14	15
04	10	17	10			76	71	68	76	15	14
07	10	100	10			76	71	68	76	15	13
10	10	15	5		RW	77	72	69	79	17	9
13	10	20	10			82	74	71	69	16	8
16	10	250	8			80	74	71	74	18	10
19	10	250	12			77	72	70	79	17	5
22	10	250	12			74	69	67	79	18	4
DAY 03											
01	10	7	10			74	70	63	82	30	11
04	10	7	4		R	62	59	57	84	29	12
07	10	85	10			60	57	54	84	28	7
10	10	80	10		RW	61	56	53	75	32	12
13	3	UNL	13			67	56	46	47	30	14
16	2	UNL	13			68	55	44	42	29	16
19	0	UNL	13			60	52	44	56	28	6
22	0	UNL	13			55	49	44	67	30	9
DAY 04											
01	0	UNL	12			53	47	40	62	32	10
04	0	UNL	12			50	45	39	66	32	10
07	0	UNL	12			46	43	39	77	30	8
10	0	UNL	12			58	51	44	60	30	13
13	0	UNL	12			68	59	52	57	36	11
16	0	UNL	10			69	60	53	57	02	12
19	0	UNL	7			61	56	53	73	34	7
22	1	UNL	7			59	56	54	84	31	5
DAY 05											
01	6	45	7			57	54	52	83	30	4
04	10	28	7			58	55	53	84	32	4
07	10	28	7			59	55	52	81	31	4
10	6	33	8			64	59	55	73	33	8
13	5	UNL	12			73	61	52	48	05	6
16	3	UNL	13			73	60	50	44	09	7
19	1	UNL	12			66	57	50	57	04	5
22	0	UNL	12			58	54	50	75	14	4
DAY 06											
01	0	UNL	10			54	51	48	80	00	0
04	6	40	10			56	52	49	73	33	4
07	2	UNL	10			54	51	49	83	30	4
10	2	UNL	12			71	61	53	53	35	7
13	2	UNL	12			75	61	51	43	10	8
16	4	UNL	12			75	62	53	46	09	7
19	1	UNL	10			66	59	53	63	13	4
22	0	UNL	10			60	56	52	75	24	3
DAY 07											
01	0	UNL	8			56	53	51	83	28	4
04	3	UNL	5		GF	56	53	51	83	27	4
07	0	UNL	7			56	53	50	80	30	4
10	0	UNL	10			70	61	54	57	30	7
13	1	UNL	12			77	62	52	42	16	5
16	3	UNL	13			75	62	53	46	11	10
19	0	UNL	10			67	59	54	63	00	0
22	3	UNL	10			62	57	54	75	00	0
DAY 08											
01	0	UNL	10			57	55	53	87	17	3
04	0	UNL	7			58	55	52	81	00	0
07	0	UNL	6		K	54	51	49	83	00	0
10	0	UNL	8			72	62	56	57	21	7
13	3	UNL	12			77	64	56	48	19	12
16	4	UNL	13			77	65	57	50	17	10
19	2	UNL	12			71	63	57	61	17	7
22	0	UNL	12			65	60	57	75	21	6
DAY 09											
01	0	UNL	10			62	59	57	84	21	3
04	0	UNL	10			58	56	54	87	23	3
07	0	UNL	10			60	57	55	84	18	4
10	0	UNL	13			77	66	60	56	16	12
13	2	UNL	13			81	67	59	47	17	15
16	2	UNL	13			80	67	59	49	15	15
19	2	UNL	12			74	65	59	60	15	7
22	10	250	12			76	67	62	62	15	14
DAY 10											
01	10	75	7		RW	74	69	66	76	22	20
04	10	100	10			69	64	61	76	26	25
07	0	UNL	12			60	56	52	75	26	13
10	7	20	13			63	56	50	63	26	14
13	9	25	13			62	54	48	60	29	18
16	5	UNL	13			60	51	42	52	27	22
19	10	23	12			51	45	40	66	29	16
22	10	11	12			44	40	35	71	30	13
DAY 11											
01	10	30	12			41	36	28	60	31	16
04	10	25	12			40	35	28	62	30	12
07	10	28	12			39	34	27	62	30	12
10	10	16	10			43	38	30	60	30	13
13	1	UNL	10			54	44	33	45	30	16
16	10	25	10			54	46	37	53	32	10
19	10	19	8			52	45	38	59	31	10
22	8	30	12			46	42	37	71	30	12
DAY 12											
01	0	UNL	10			45	41	37	74	31	10
04	0	UNL	12			43	40	37	79	30	10
07	3	UNL	10			44	41	37	79	32	6
10	10	UNL	12			64	55	47	54	36	7
13	10	250	10			72	59	48	43	05	10
16	10	250	12			70	57	46	42	05	11
19	10	250	12			66	55	46	49	07	9
22	10	250	12			66	55	45	47	10	9
DAY 13											
01	10	120	12			55	51	48	77	29	5
04	2	UNL	12			54	51	48	80	00	0
07	6	120	12			66	57	49	54	08	9
10	8	250	13			72	59	48	43	10	13
13	9	250	13			76	60	48	37	11	13
16	8	250	13			73	59	49	43	07	11
19	9	15	13			70	60	52	53	07	10
22	4	UNL	10			65	61	58	78	25	3
DAY 14											
01	10	30	10			67	62	59	76	12	3
04	4	UNL	12			70	62	57	64	13	10
07	4	UNL	13			70	62	57	64	14	10
10	4	UNL	13			76	64	56	50	13	12
13	5	UNL	13			79	65	57	47	12	13
16	9	120	13			76	65	59	56	18	15
19	10	300	12			73	65	60	64	15	9
22	5	UNL	12			73	66	61	66	16	7
DAY 15											
01	10	120	12			74	66	61	64	16	13
04	10	100	12			73	67	63	71	18	7
07	10	85	8			70	66	64	81	22	6
10	7	250	12			77	69	64	64	18	7
13	10	50	12			75	69	66	74	25	6
16	5	UNL	13			81	69	62	53	27	13
19	0	UNL	13			73	64	58	59	29	9
22	0	UNL	13			66	57	50	57	28	10
DAY 16											
01	0	UNL	12			58	53	49	72	29	7
04	0	UNL	12			54	50	46	75	31	11
07	0	UNL	8			52	49	46	80	31	7
10	0	UNL	13			60	49	38	44	34	12
13	0	UNL	13			67	51	35	31	31	10
16	0	UNL	13			68	50	31	25	32	12
19	0	UNL	13			57	46	33	40	29	7
22	4	UNL	13			53	44	34	49	30	6
DAY 17											
01	10	120	12			51	44	35	54	31	11
04	3	UNL	12			48	42	34	59	33	11
07	8	140	12			46	40	33	61	32	9
10	7	UNL	13			55	46	35	47	32	12
13	6	300	13			62	50	37	40	03	12
16	6	120	13			60	51	42	52	34	13
19	10	100	12			57	50	44	62	34	13
22	10	120	12			55	49	44	67	32	8
DAY 18											
01	10	65	8		R	54	49	45	72	31	5
04	10	85	10			53	49	46	77	32	5
07	10	100	10			55	51	48	77	31	5
10	10	80	12			64	57	51	63	05	7
13	10	80	12			65	57	51	61	05	8
16	10	30	5		R	64	58	54	70	11	13
19	10	18	6		R	62	58	55	78	10	5
22	10	20	7		R	63	59	56	78	10	4
DAY 19											
01	10	45	7			61	59	57	87	31	5
04	10	45	7			61	59	57	87	34	7
07	10	85	7			61	59	57	87	34	6
10	10	15	3		R	63	59	57	81	33	4
13	10	30	1	8	R	63	60	58	84	35	7
16	10	3	2	8	R	64	61	59	84	36	10
19	10	60	6		R	62	58	56	81	35	8
22	10	23	10			61	58	56	84	33	10
DAY 20											
01	10	40	8			60	58	56	87	33	7
04	10	60	8			57	55	53	87	31	8
07	10	2	1		F	55	53	52	90	34	10
10	10	4	6		KH	57	54	52	83	30	9
13	9	250	12			68	59	52	57	31	15
16	9	250	12			72	58	47	41	30	13
19	7	250	12			62	52	42	48	31	8
22	4	UNL	12			55	47	39	55	31	6
DAY 21											
01	1	UNL	12			53	45	36	53	30	12
04	0	UNL	12			50	44	37	61	30	13
07	0	UNL	12			50	44	37	61	30	9
10	0	UNL	12			64	52	41	43	34	15
13	4	UNL	12			69	54	41	39	33	16
16	7	UNL	13			70	56	43	38	02	7
19	7	UNL	13			61	54	49	65	36	6
22	7	UNL	12			57	52	48	72	31	6
DAY 22											
01	0	UNL	8			53	50	47	80	30	8
04	3	UNL	8			50	47	44	80	29	6
07	2	UNL	8			48	46	39	71	32	8
10	2	UNL	13			60	48	36	41	35	14
13	4	UNL	13			66	50	32	28	30	10
16	8	UNL	13			70	50	27	20	33	7
19	7	UNL	13			59	48	36	42	33	4
22	3	UNL	10			52	47	41	66	00	0
DAY 23											
01	0	UNL	10			47	43	39	74	00	0
04	0	UNL	10			47	42	37	68	30	4
07	2	UNL	8			46	42	38	74	27	4
10	2	UNL	7			60	51	42	52	32	3
13	10	300	7		R	60	51	42	52	31	5
16	10	100	7			57	49	41	55	32	5
19	10	100	8			55	49	42	62	29	4
22	10	100	8			54	48	43	67	25	5
DAY 24											
01	10	120	10			53	48	43	69	28	4
04	10	100	10			52	48	43	72	29	3
07	8	120	10			52	47	42	69	31	4
10	10	120	13			64	54	46	52	35	9
13	10	120	13			71	60	51	49	05	6
16	10	100	12			71	59	50	48	08	7
19	10	80	8		R	67	58	51	57	11	6
22	10	100	8		R	65	58	53	65	12	3
DAY 25											
01	10	100	6		R	63	59	56	78	25	4
04	3	UNL	12			66	61	58	76	11	7
07	10	33	12			67	62	58	73	05	4
10	10	23	7		R	69	65	62	79	09	8
13	10	70	12			72	66	63	73	08	9
16	10	16	12			72	66	63	73	09	9
19	10	13	10			70	66	63	79	34	4
22	10	14	10			71	66	63	76	12	9
DAY 26											
01	10	40	12			72	66	63	73	13	7
04	9	100	10			72	66	63	73	14	8
07	10	60	10			72	67	64	76	15	6
10	9	50	6		KH	73	69	67	82	17	7
13	8	250	12			80	71	66	62	18	6
16	9	250	12			80	68	62	54	30	14
19	8	250	12			73	63	56	55	25	6
22	4	UNL	12			66	60	55	68	28	7
DAY 27											
01	3	UNL	12			62	57	54	75	29	9
04	1	UNL	10			58	55	53	84	28	6
07	2	UNL	4		GFK	55	53	52	90	24	4
10	8	25	12			66	60	55	69	29	10
13	7	250	10			73	61	52	48	32	11
16	10	250	10			73	60	51	46	32	9
19	10	250	10			66	59	53	63	35	6
22	7	UNL	10			63	56	50	63	29	4

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 02

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
MARCH 1973

Latitude 26 ° 41 ' N Longitude 80 ° 06 ' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12344

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation: Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind: Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Direction	Sunshine: Hours and tenths	Percent of possible	Sky cover Tenths: Sunrise to sunset	Midnight to midnight	Date
1	79	68	74	5	52	0	9		0	0	0	30.22	07	13.0	13.4	17	10			4	4	1
2	80	65	73	4	56	0	8		0	T	0	30.17	11	8.5	9.9	17	09			8	6	2
3	81	60	71	2	59	0	6		0	0	0	30.11	10	3.7	5.0	14	10			6	4	3
4	81	64	73	4	61	0	8		0	.01	0	30.03	11	7.6	7.9	15	09			3	3	4
5	83	64	74	5	63	0	9		0	0	0	30.02	09	8.1	8.6	14	09			6	5	5
6	84	74	79	10	66	0	14		0	0	0	30.04	11	9.2	9.4	14	12			8	8	6
7	84	74	79	10	68	0	14		0	T	0	30.04	13	10.1	10.4	15	12			9	9	7
8	84	72	78	9	67	0	13		0	0	0	30.03	13	8.6	9.5	17	15			8	7	8
9	84	72	78	9	67	0	13	3	0	.35	0	30.02	13	9.0	9.6	16	12			8	8	9
10	84	69	77	8	67	0	12		0	0	0	30.05	12	8.2	8.3	16	15			3	3	10
11	83	73	78	8	67	0	13		0	0	0	30.10	13	10.9	10.9	16	13			10	8	11
12	85	72	79	9	67	0	14		0	0	0	30.12	13	8.6	8.8	15	15			3	3	12
13	85	65	75	5	66	0	10	1	0	0	0	30.07	11	4.7	5.9	13	10			2	2	13
14	85	75	80	10	67	0	15		0	0	0	30.04	13	11.4	11.5	18	16			5	3	14
15	84	75	80	10	66	0	15		0	0	0	30.04	13	13.1	13.2	20	12			5	3	15
16	85	75	80*	10	66	0	15		0	T	0	29.97	15	12.6	13.1	21	15			8	5	16
17	80	55	68	-2	57	0	3	1 8	0	.20	0	29.91	25	9.7	13.2	23	29			10	6	17
18	75	53	64	-6	41	1	0		0	0	0	30.01	30	8.2	9.2	16	34			0	0	18
19	77	46*	62*	-8	45	3	0		0	0	0	29.99	35	3.2	6.8	14	06			0	0	19
20	82	50	66	-4	54	0	1		0	0	0	29.93	15	7.0	7.6	16	14			3	4	20
21	85	70	78	7	66	0	13	3	0	.34	0	29.85	22	10.5	10.8	23	25			9	9	21
22	75	56	66	-5	53	0	1		0	0	0	30.00	34	9.9	11.9	20	02			4	4	22
23	77	59	68	-3	52	0	3		0	0	0	30.09	03	7.6	9.5	17	04			10	10	23
24	77	67	72	1	51	0	7		0	0	0	30.06	08	14.0	15.4	20	08			9	8	24
25	80	70	75	4	60	0	10	3 8	0	.09	0	29.87	14	19.1	19.4	26	12			10	9	25
26	85*	63	74	3	60	0	9	1 3	0	1.29	0	29.72	23	11.5	15.1	23	24			4	4	26
27	76	59	68	-3	52	0	3		0	0	0	29.88	29	8.5	11.1	17	29			1	1	27
28	78	60	69	-2	54	0	4		0	0	0	29.99	10	9.1	9.9	20	12			6	7	28
29	79	72	76	4	60	0	11		0	0	0	29.96	12	12.7	12.8	20	12			10	9	29
30	83	73	78	6	65	0	13		0	T	0	30.00	13	13.1	13.2	21	13			9	8	30
31	81	74	78	6	63	0	13		0	0	0	30.00	13	15.6	15.8	25	12			10	9	31
	Sum 2521	Sum 2044				Total 4	Total 279			Total 2.28	Total 0	For the month: 30.01	12	6.0	10.9	26	12	Total	% for	Sum 191	Sum 169	
	Avg. 81.3	Avg. 65.9	Avg. 73.6	Dep. 3.7	Avg. 60	Dep. -27	Dep.			Dep. -1.16						Date: 25		Possible	month	Avg. 6.2	Avg. 5.5	

Season to date: Dep. -70

Number of days: Maximum Temp. ≥90° ‡: 0; ≤32°: 0; Minimum Temp. ≤32°: 0; ≤0°: 0

Number of days: Precipitation ≥ .01 inch: 6; Snow, ice pellets ≥ 1.0 inch: 0; Thunderstorms: 4; Heavy fog X: 0; Clear 8; Partly cloudy 8; Cloudy 15

Greatest in 24 hours and dates: Precipitation 1.38 25-26; Snow, ice pellets 0

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1									T	T															1
2																									2
3					.01																				3
4																									4
5																									5
6								T	T																6
7																									7
8						..										T	.21	.14	T						8
9																									9
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16							T																		16
17						.05				.15	T	T													17
18																									18
19																									19
20																									20
21				T	.01	T		T						.33	T						T				21
22																									22
23																									23
24																									24
25																									25
26	.09	.10	.02	T	.01	.12	.95		T	T													.01	.08	26
27																									27
28																									28
29																									29
30										T															30
31																									31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	5	30.01	70	64	60	71	9.3	13	5.5
04	5	29.98	70	63	60	72	8.8	13	4.9
07	6	30.01	69	63	59	73	7.7	13	4.3
10	7	30.05	77	67	60	58	14.1	12	6.7
13	6	30.02	79	67	60	53	14.4	12	7.7
16	6	29.99	79	67	60	54	13.4	12	8.2
19	6	29.99	74	65	60	63	9.8	13	5.0
22	5	30.02	71	65	60	69	9.5	12	5.8

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Fract. Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR	WIND SPEED Knots
DAY 01											
01	5	UNL	10			69	59	52	55	05	14
04	7	33	10			69	59	52	55	05	12
07	4	UNL	12			69	59	52	55	07	12
10	5	UNL	13			75	62	53	46	06	10
13	2	UNL	13			78	62	51	39	03	11
16	7	UNL	13			76	62	52	43	08	13
19	6	UNL	13			70	60	53	55	08	11
22	1	UNL	12			70	60	53	55	10	10
DAY 02											
01	0	UNL	12			70	60	53	55	10	12
04	5	UNL	12			71	61	54	55	11	11
07	8	100	12			70	62	56	61	09	10
10	7	43	13			75	65	59	58	12	8
13	6	250	13			78	65	55	47	13	12
16	7	250	13			77	64	56	48	14	12
19	7	UNL	12			71	62	56	59	00	0
22	3	UNL	12			67	62	58	73	33	4
DAY 03											
01	0	UNL	12			62	58	56	81	26	3
04	4	UNL	10			62	58	56	81	00	0
07	4	UNL	12			61	58	56	84	00	0
10	250	13				78	68	62	58	11	5
13	7	250	13			79	69	53	58	06	9
16	3	UNL	13			79	67	60	52	12	6
19	1	UNL	12			74	65	60	64	12	7
22	1	UNL	12			68	63	60	75	12	5
DAY 04											
01	0	UNL	12			70	64	60	71	12	4
04	9	40	12			70	64	60	71	15	4
07	4	UNL	12			66	63	61	84	00	0
10	2	UNL	12			79	69	63	53	08	10
13	3	UNL	13			80	68	62	54	11	11
16	2	UNL	13			79	68	62	56	11	12
19	2	UNL	12			74	66	61	64	10	6
22	3	UNL	12			73	66	62	69	11	8
DAY 05											
01	0	UNL	12			73	66	62	69	11	7
04	1	UNL	12			72	66	62	71	12	6
07	1	UNL	10			64	62	60	87	00	0
10	2	UNL	13			79	69	64	60	12	8
13	7	250	13			82	70	64	55	09	7
16	10	250	13			80	70	64	58	07	9
19	10	250	12			76	68	64	66	07	11
22	6	250	12			75	69	65	71	09	12
DAY 06											
01	10	250	12			75	69	65	71	10	9
04	10	250	12			75	69	65	71	11	9
07	7	253	13			74	69	66	79	11	7
10	8	20	13			79	70	66	65	12	10
13	7	19	13			82	72	67	61	12	8
16	9	250	12			81	72	67	61	11	10
19	10	250	12			77	70	67	71	12	7
22	8	UNL	12			75	70	67	76	09	5
DAY 07											
01	8	12	12			75	71	68	76	11	10
04	5	UNL	12			75	70	68	79	14	6
07	6	300	13			74	69	67	77	14	5
10	9	17	13			82	73	69	65	13	11
13	10	300	13			83	73	63	61	13	12
16	10	300	13			80	72	68	67	12	13
19	8	300	13			76	70	67	74	14	8
22	10	250	12			76	70	67	74	10	7
DAY 08											
01	6	UNL	12			75	70	67	76	12	5
04	5	UNL	12			75	70	67	76	09	5
07	10	250	12			73	68	65	79	13	4
10	10	23	13			80	71	67	65	17	11
13	10	28	12			81	72	67	63	15	15
16	10	28	12			81	72	67	63	12	11
19	5	UNL	12			76	70	67	74	12	7
22	10	250	12			76	69	66	71	10	8
DAY 09											
01	10	250	12			76	70	67	74	11	9
04	7	250	12			76	70	67	74	13	12
07	5	UNL	12			76	69	66	71	15	8
10	9	250	12			81	72	67	63	12	11
13	9	250	12			82	73	68	63	12	14
16	10	120	10		R	78	71	67	69	13	5
19	10	123	12			75	70	68	79	18	4
22	7	250	12			72	69	68	87	07	4
DAY 10											
01	3	UNL	10			71	69	68	90	00	0
04	1	UNL	10			69	67	67	87	00	0
07	1	UNL	12			74	69	67	79	13	5
10	5	UNL	13			80	71	67	65	14	11
13	4	UNL	13			82	72	67	61	12	13
16	4	UNL	13			82	72	67	61	12	12
19	3	UNL	12			77	70	67	71	11	8
22	4	UNL	12			76	70	67	74	11	9
DAY 11											
01	2	UNL	12			76	70	67	74	12	10
04	3	UNL	12			76	70	67	74	12	10
07	10	300	12			76	70	67	74	12	7
10	10	250	12			81	72	67	63	13	13
13	10	250	12			81	72	68	65	13	14
16	10	20	12			81	72	67	63	13	12
19	10	250	12			76	70	67	74	14	6
22	10	250	12			74	69	67	79	13	4
DAY 12											
01	7	300	12			76	71	68	76	12	8
04	0	UNL	12			77	70	67	71	13	10
07	8	250	12			74	69	67	79	13	4
10	5	UNL	13			82	73	68	63	12	12
13	3	UNL	13			84	73	67	57	15	10
16	0	UNL	12			84	73	67	57	13	12
19	0	UNL	12			77	70	67	71	15	6
22	0	UNL	12			75	70	67	76	13	4
DAY 13											
01	9	100	12			72	69	67	84	26	4
04	0	UNL	10			69	66	65	87	00	0
07	0	UNL	6		GF	67	64	63	87	00	0
10	1	UNL	12			82	72	67	61	13	7
13	1	UNL	13			83	72	67	59	10	9
16	5	UNL	13			82	73	68	63	12	9
19	1	UNL	13			78	71	67	69	10	6
22	0	UNL	12			75	69	66	74	10	6
DAY 14											
01	0	UNL	12			75	69	66	74	11	8
04	1	UNL	12			75	69	66	74	13	10
07	4	UNL	13			76	70	67	74	14	7
10	9	20	13			81	72	67	63	13	13
13	9	25	13			82	72	67	61	12	15
16	3	UNL	13			83	73	68	61	14	11
19	2	UNL	13			77	70	67	71	13	8
22	2	UNL	12			76	71	68	76	12	8
DAY 15											
01	2	UNL	12			77	71	68	74	13	10
04	0	UNL	12			77	70	67	71	13	10
07	8	UNL	13			76	69	66	71	14	9
10	2	UNL	13			82	71	65	55	14	13
13	5	UNL	13			83	71	65	55	12	17
16	8	250	13			81	71	66	60	12	15
19	3	UNL	12			77	70	67	71	12	8
22	0	UNL	12			77	70	66	69	13	10
DAY 16											
01	3	UNL	12			77	69	65	67	12	10
04	2	UNL	12			76	68	63	64	15	10
07	3	UNL	12			75	68	64	69	15	6
10	10	300	13			82	71	66	58	15	15
13	10	300	13			83	73	69	63	14	16
16	7	300	13			83	73	68	61	14	14
19	2	UNL	12			79	72	68	69	18	11
22	0	UNL	12			76	71	68	76	16	9
DAY 17											
01	0	UNL	12			77	72	69	76	18	9
04	6	85	10			76	71	69	79	19	7
07	10	250	10			77	72	70	79	19	12
10	10	23	4		RW	69	65	63	84	29	15
13	10	150	10			69	59	52	55	28	18
16	10	120	13			73	58	45	37	26	13
19	4	UNL	13			67	55	45	45	27	9
22	0	UNL	13			59	51	44	55	29	7
DAY 18											
01	0	UNL	12			55	49	44	67	30	6
04	0	UNL	13			55	49	44	67	30	8
07	0	UNL	13			53	48	43	69	31	8
10	0	UNL	13			65	52	38	37	32	13
13	0	UNL	13			71	55	39	31	32	11
16	0	UNL	13			74	56	39	28	28	6
19	0	UNL	13			66	53	40	39	26	8
22	0	UNL	12			55	49	44	67	22	4
DAY 19											
01	0	UNL	12			53	48	43	69	26	5
04	0	UNL	12			49	45	40	71	25	3
07	0	UNL	13			48	44	39	71	25	5
10	0	UNL	13			71	56	44	38	34	8
13	0	UNL	13			77	61	49	37	07	7
16	0	UNL	13			76	60	48	37	03	9
19	0	UNL	13			68	57	49	51	33	6
22	0	UNL	12			62	54	46	56	05	4
DAY 20											
01	0	UNL	12			54	50	47	77	00	0
04	0	UNL	12			52	49	46	80	00	0
07	1	UNL	13			51	48	45	80	00	0
10	2	UNL	13			77	63	54	45	18	10
13	1	UNL	13			80	65	55	42	12	12
16	4	UNL	13			80	67	59	49	14	12
19	10	UNL	12			75	67	62	64	17	9
22	10	250	12			74	66	62	66	17	10
DAY 21											
01	10	120	12			73	67	63	71	18	5
04	10	100	8		R	72	67	64	76	20	7
07	8	15	10			72	68	66	82	21	6
10	8	100	13			80	72	68	67	21	13
13	10	23	12			83	73	68	61	22	13
16	9	100	13			79	71	67	67	23	5
19	8	33	13			77	70	67	71	23	14
22	10	29	10			72	69	67	84	23	12
DAY 22											
01	6	250	10			66	61	57	73	29	10
04	3	UNL	10			60	56	53	78	31	10
07	1	UNL	8			57	53	49	75	32	8
10	0	UNL	12			69	59	51	53	33	12
13	7	UNL	13			74	61	52	46	01	12
16	7	UNL	13			73	62	54	51	04	14
19	7	300	10			66	60	55	68	34	9
22	2	UNL	10			63	58	55	75	33	8
DAY 23											
01	10	120	10			61	57	54	78	32	4
04	10	120	10			61	56	53	75	31	6
07	10	250	10			59	56	53	81	34	5
10	10	250	10			73	60	51	46	03	13
13	7	250	12			75	62	52	45	03	12
16	10	250	8			72	60	51	48	07	10
19	10	250	8			70	59	51	51	05	9
22	10	38	8			70	59	50	49	06	7
DAY 24											
01	9	120	10			69	58	50	51	05	9
04	9	38	12			63	58	50	53	07	11
07	5	UNL	12			67	57	49	53	07	14
10	10	40	13			73	60	51	46	07	15
13	10	300	13			76	62	52	43	08	15
16	10	40	12			73	61	52	48	09	14
19	8	38	10			70	61	54	57	10	15
22	7	UNL	10			70	60	52	53	14	14
DAY 25											
01	10	32	12			71	61	54	55	12	15
04	8	32	10			71	62	56	59	14	20
07	8	300	10			71	62	56	59	14	13
10	10	33	10			75	65	59	55	15	18
13	10	25	8			79	68	62	56	15	18
16	10	19	8			76	68	64	66	14	18
19	10	23	7			76	68	64	66	14	15
22	10	15	6		H	77	70	66	69	16	18
DAY 26											
01	10	23	5		R	75	70	68	79	17	20
04	10	20	8			77	72	69	76	20	15
07	10	25	8			75	71	69	82	19	7
10	10	120	12			73	67	63	71	27	15
13	0	UNL	13			81	67	58	46	27	14
16	0	UNL	13			84	65	52	33	26	15
19	0	UNL	13			74	59	48	40	26	11
22	0	UNL	12			64	57	52	65	24	8
DAY 27											
01	0	UNL	12			64	57	51	63	23	9
04	2	UNL	12			62	57	53	73	26	9
07	0	UNL	8			60	56	53	78	27	4
10	4	UNL	9			70	60	52	53	30	14
13	2	UNL	13			74	60	50	43	29	15
16	1	UNL	13			75	61	50	42	29	14
19	0	UNL	12			69	59	52	55	03	6
22	0	UNL	12			64	58	53	69	01	6
DAY 28											
01	10	100	12			61	56	53	75	00	0
04	8	40	12			68	59	53	59	06	6
07	8	300	13			69	60	53	57	06	7
10	4	UNL	13			75	62	53	46	10	8
13	7	150	13			77	64	56	48	13	9
16	3	UNL	13			77	63	54	45	09	13
19	8	UNL	13			72	61	54	53	09	9
22	4	UNL	12			73	64	58	59	12	17
DAY 29											
01	10	300	10			73	64	59	62	12	13
04	10	250	10			73	64	59	62	12	7
07	10	25	10			73	64	59	62	12	13
10	10	80	10			76	66	60	58	12	17
13	10	28	10			77	66	60	56	11	10
16	10	25	10			76	67	61	60	12	13
19	10	300	8			74	66	61	64	12	10
22	10	UNL	8			74	66	61	64	14	6
DAY 30											
01	3	UNL	8			73	67	63	71	14	8
04	8	20	8			74	68	65	74	13	9
07	10	32	8			75	69	65	71	13	10
10	10	28	8			78	70	65	64	13	18
13	10	250	12			80	70	65	60	13	13
16	10	250	12			80	70	65	60	14	11
19	8	17	12			77	69	65	67	12	13
22	8	UNL	12			75	67	63	66	12	10

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 03

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
APRIL 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating (7A)	Cooling (7B)	Weather types on dates of occurrence (8)	Snow, ice pellets or ice on ground at 07AM In. (9)	Precipitation: Water equivalent In. (10)	Snow, ice pellets In. (11)	Avg. station pressure In. Elev. 21 feet m.s.l. (12)	Wind: Resultant direction (13)	Resultant speed m.p.h. (14)	Average speed m.p.h. (15)	Fastest mile: Speed m.p.h. (16)	Fastest mile: Direction (17)	Sunshine: Hours and tenths (18)	Sunshine: Percent of possible (19)	Sky cover Tenths: Sunrise to sunset (20)	Sky cover Tenths: Midnight to midnight (21)	Date (22)
1	85	75	80	8	68	0	15		0	T	0	29.89	16	12.3	12.7	26	15			9	8	1
2	82	72	77	5	60	0	12	1	0	.02	0	29.89	36	4.6	10.2	14	34			7	7	2
3	87	73	80	8	69	0	15		0	0	0	29.78	15	11.3	11.8	21	16			6	8	3
4	91	74	83*	10	69	0	18		0	0	0	29.73	21	14.3	15.2	26	23			9	8	4
5	78	66	72	-1	58	0	7		0	0	0	30.00	34	6.0	9.8	17	31			6	7	5
6	81	59	70	-3	58	0	5		0	0	0	30.06	08	6.0	10.2	16	10			9	8	6
7	86	74	80	7	68	0	15		0	0	0	29.85	14	15.2	15.8	26	16			7	7	7
8	83	70	77	4	69	0	12		0	.65	0	29.77	23	6.7	9.9	22	21			10	8	8
9	90	68	79	6	64	0	14		0	0	0	29.92	26	6.6	8.1	23	23			4	6	9
10	77	58	68	-6	52	0	3		0	0	0	30.05	30	11.4	11.7	22	33			10	8	10
11	74	48*	61*	-13	42	4	0		0	0	0	30.14	32	7.5	8.9	17	04			1	0	11
12	78	50	64	-10	50	1	0		0	0	0	30.14	08	1.9	6.0	15	06			1	0	12
13	80	56	68	-6	52	0	3	8	0	0	0	30.14	01	5.2	9.2	17	06			0	0	13
14	82	59	71	-3	57	0	6		0	0	0	30.18	09	9.9	11.1	23	10			3	4	14
15	79	71	75	1	54	0	10		0	0	0	30.26	07	19.5	20.4	25	07			7	6	15
16	81	70	76	1	57	0	11		0	.17	0	30.22	08	18.4	18.7	24	07			5	6	16
17	82	68	75	0	58	0	10		0	.12	0	30.15	09	17.1	17.5	25	09			5	5	17
18	82	72	77	2	60	0	12		0	T	0	30.09	08	20.0	20.1	28	07			6	7	18
19	82	71	77	2	61	0	12		0	0	0	30.06	08	15.3	15.7	22	06			9	7	19
20	83	72	78	3	61	0	13		0	0	0	30.08	07	16.8	17.1	25	06			6	5	20
21	83	73	78	3	60	0	13		0	T	0	30.16	08	20.5	20.7	28	07			4	5	21
22	83	73	78	3	58	0	13		0	T	0	30.16	09	17.0	17.4	23	09			4	5	22
23	83	70	77	1	57	0	12		0	0	0	30.07	11	10.0	10.1	20	10			5	4	23
24	84	62	73	-3	59	0	8		0	0	0	29.95	13	7.4	7.5	14	13			8	7	24
25	85	70	78	2	62	0	13		0	T	0	29.88	13	12.8	13.1	22	13			9	9	25
26	89	68	79	3	66	0	14	3	0	.35	0	29.82	16	8.6	9.4	30	29			6	7	26
27	91*	70	81	5	66	0	16		0	.14	0	29.77	22	13.7	15.0	24	24			8	8	27
28	80	60	70	-6	50	0	5		0	0	0	29.93	33	9.5	11.1	18	02			0	2	28
29	81	53	67	-9	49	0	2		0	0	0	30.05	05	5.9	9.4	16	06			3	2	29
30	82	61	72	-4	53	0	7		0	0	0	30.11	07	9.6	10.5	20	04			4	4	30
	Sum 2484	Sum 1984				Total 5	Total 294	Number of days		Total 1.45	Total 0	For the month: 30.01	10	9.8	12.8	30	29	Total	% for month	Sum 171	Sum 169	
	Avg. 82.8	Avg. 66.2	Avg. 74.5	Dep. 0.6	Avg. 59	Dep. 5	Dep.	Precipitation ≥ .01 inch 6		Dep. -2.89						Date: 26		Possible		Avg. 5.7	Avg. 5.6	

Number of days: Maximum Temp. ≥ 90° ‡	Maximum Temp. ≤ 32°	Minimum Temp. ≤ 32°	Minimum Temp. ≤ 0°	Season to date: Total 188	Season to date: Total 812
3	0	0	0	Dep. -65	Dep.

Snow, ice pellets ≥ 1.0 inch 0; Thunderstorms 1; Heavy fog X 0; Clear 6; Partly cloudy 15; Cloudy 9

Greatest in 24 hours and dates — Precipitation .65 8; Snow, ice pellets 0

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																									1
2				.02	T												T	T							2
3																									3
4																									4
5																									5
6																									6
7																									7
8						T	.07	.40	.18																8
9																									9
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17																		T	.17	T					17
18																	T	.08	.04						18
19																				T	T				19
20																									20
21					T																				21
22	T																								22
23																							T		23
24																									24
25								T																	25
26																									26
27	.07	.06	.01																			T	.30	.05	27
28																									28
29																									29
30																									30

* Extreme temperatures for the month. May be the last of more than one occurrence.
— Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Temperature: Wet bulb °F	Temperature: Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Resultant wind: Speed m.p.h.
01	6	30.00	71	64	59	67	11.2	10	5.2
04	6	29.98	69	63	58	69	10.0	10	3.8
07	5	30.02	70	63	58	68	10.4	08	2.9
10	6	30.04	79	66	58	51	15.0	09	6.2
13	6	30.02	81	67	59	47	16.8	11	8.1
16	6	29.98	80	67	59	49	16.1	09	8.3
19	7	29.99	75	65	59	59	11.8	09	5.9
22	5	30.03	73	65	59	64	11.1	10	6.0

HOURLY OBSERVATIONS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Hdrds Miles	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	5	UNL	12			75	69	65	71	13	10
04	8	25	12			76	69	66	71	17	12
07	7	20	12			76	69	65	71	17	10
10	9	350	12			82	73	63	63	16	12
13	10	25	10			84	74	63	63	15	23
16	8	50	8			82	74	63	67	15	12
19	10	45	8			80	73	70	72	15	5
22	9	33	10			77	72	70	79	18	4
DAY 02											
01	6	38	8			76	72	70	82	23	8
04	10	11	3		LF	75	72	70	85	29	9
07	5	UNL	10			72	62	56	57	32	10
10	8	50	12			79	62	49	35	33	10
13	10	50	12			78	63	53	42	05	9
16	2	UNL	10			81	66	56	42	05	10
19	10	120	10			77	67	61	58	05	8
22	4	UNL	8			75	66	61	62	09	7
DAY 03											
01	10	70	8			73	67	62	64	12	7
04	10	250	8			73	70	67	76	13	5
07	2	UNL	7			76	71	69	79	15	9
10	7	250	10			83	75	70	61	19	13
13	6	100	10			85	74	69	59	16	14
16	4	UNL	10			83	74	70	65	15	16
19	8	250	7			79	73	70	74	15	12
22	10	UNL	7			76	73	71	85	17	6
DAY 04											
01	8	UNL	8			78	73	71	79	16	9
04	5	UNL	8			77	72	70	79	18	9
07	7	250	8			76	71	69	79	18	8
10	10	25	10			84	74	69	61	21	19
13	10	25	10			90	75	69	50	21	18
16	9	UNL	10			89	73	66	47	22	18
19	10	50	8			83	72	67	59	22	15
22	10	25	8			80	72	68	67	23	10
DAY 05											
01	10	30	8			73	67	64	74	29	9
04	10	32	7			72	66	63	73	28	9
07	10	38	8			67	61	57	70	31	13
10	8	80	10			72	62	55	55	34	10
13	5	UNL	10			76	64	56	50	04	11
16	3	UNL	10			75	65	58	56	07	9
19	7	120	10			73	63	57	57	09	3
22	2	UNL	10			69	61	57	63	33	4
DAY 06											
01	10	250	10			65	60	57	75	33	4
04	8	UNL	10			64	57	52	65	32	7
07	8	250	7			61	56	52	72	33	6
10	10	UNL	10			79	67	60	52	05	12
13	10	UNL	10			78	67	60	54	11	12
16	10	35	10			77	67	61	58	10	14
19	8	300	10			75	66	60	60	11	7
22	8	UNL	10			74	66	61	64	11	9
DAY 07											
01	8	300	8			75	67	63	66	12	12
04	5	UNL	8			76	69	65	69	13	13
07	9	30	7			77	71	68	74	13	11
10	9	19	7			81	73	69	67	13	18
13	5	UNL	7			84	74	70	63	16	20
16	6	250	7			84	73	68	59	14	13
19	6	UNL	10			80	72	68	67	16	14
22	8	45	10			79	73	71	77	17	9
DAY 08											
01	9	23	8			80	74	72	77	17	13
04	8	250	10			79	73	70	74	19	12
07	10	23	7			77	73	71	82	23	10
10	10	120	12			75	70	68	79	29	9
13	10	29	12			82	73	69	65	23	12
16	10	23	10			81	72	68	65	31	9
19	8	28	12			77	70	67	71	28	4
22	0	UNL	12			72	68	66	82	00	0
DAY 09											
01	9	30	10			70	67	65	84	00	0
04	10	35	8			70	67	65	84	00	0
07	1	UNL	8			69	65	64	87	00	0
10	1	UNL	12			82	73	63	63	21	11
13	1	UNL	12			89	73	66	47	23	15
16	5	UNL	12			85	71	63	48	30	14
19	8	100	12			78	66	59	52	29	6
22	10	80	12			74	65	59	60	27	10
DAY 10											
01	10	90	12			71	64	59	66	31	10
04	10	100	12			69	62	58	68	29	8
07	10	100	12			68	62	56	71	29	6
10	10	120	12			72	60	52	50	30	12
13	10	120	13			75	60	49	40	31	14
16	10	250	13			75	58	43	32	30	15
19	8	UNL	12			69	57	46	44	27	9
22	0	UNL	12			62	54	47	58	30	7
DAY 11											
01	0	UNL	12			57	49	42	57	31	9
04	0	UNL	12			51	47	42	71	28	6
07	0	UNL	13			53	48	42	66	31	11
10	0	UNL	13			68	55	43	41	34	9
13	3	UNL	13			73	55	37	27	29	7
16	0	UNL	13			71	54	37	29	03	9
19	2	UNL	13			65	55	47	52	35	6
22	0	UNL	12			59	54	49	70	30	5
DAY 12											
01	0	UNL	12			57	52	47	69	00	0
04	0	UNL	12			54	50	46	75	31	7
07	0	UNL	13			53	49	45	74	30	5
10	0	UNL	13			73	59	49	43	36	1
13	0	UNL	13			75	60	49	40	08	12
16	4	UNL	13			75	62	52	45	03	7
19	0	UNL	13			70	60	53	55	13	5
22	0	UNL	12			66	60	53	68	18	5
DAY 13											
01	0	UNL	12			64	59	53	73	20	4
04	0	UNL	12			61	57	54	78	23	5
07	0	UNL	6		K	59	55	52	78	31	9
10	0	UNL	13			75	58	44	33	39	10
13	0	UNL	13			78	63	53	42	04	14
16	0	UNL	13			77	61	50	39	06	9
19	0	UNL	13			72	60	52	50	02	9
22	0	UNL	13			67	59	53	61	32	4
DAY 14											
01	0	UNL	12			62	57	54	75	23	3
04	0	UNL	10			60	56	53	78	00	0
07	5	UNL	10			63	58	55	75	00	0
10	4	UNL	13			80	66	57	45	08	12
13	3	UNL	12			80	66	57	45	07	12
16	0	UNL	12			79	67	59	50	12	13
19	0	UNL	12			76	66	60	58	09	17
22	9	38	12			74	64	58	58	10	20
DAY 15											
01	8	45	12			73	63	57	57	09	13
04	9	40	12			72	62	55	57	08	16
07	7	38	12			71	62	55	57	07	20
10	9	33	12			74	62	54	50	03	20
13	9	33	12			76	63	54	47	08	20
16	9	33	12			75	61	51	43	05	17
19	6	30	10			72	60	52	50	06	17
22	3	UNL	10			71	60	51	49	10	19
DAY 16											
01	9	50	10			71	61	54	55	08	18
04	7	38	10			70	60	52	53	07	15
07	3	UNL	10			72	61	54	53	09	16
10	4	UNL	10			78	66	59	52	03	16
13	4	UNL	12			79	63	57	47	10	15
16	8	33	12			77	65	58	52	08	17
19	10	28	10		RW	71	65	61	71	10	13
22	10	30	10			72	63	58	62	07	20
DAY 17											
01	1	UNL	12			72	63	55	62	09	15
04	3	UNL	12			71	62	56	59	08	11
07	3	UNL	13			73	63	56	53	08	15
10	5	UNL	13			77	65	57	50	08	18
13	6	80	13			81	67	58	46	11	15
16	4	UNL	13			79	66	58	49	07	20
19	10	25	7			71	65	61	71	11	12
22	4	UNL	12			73	64	59	62	09	16
DAY 18											
01	2	UNL	12			73	65	60	64	09	19
04	5	UNL	12			73	64	59	62	09	18
07	5	UNL	13			74	65	59	60	09	15
10	7	300	13			79	67	60	52	09	20
13	5	UNL	13			81	68	60	49	08	22
16	8	UNL	13			79	65	56	45	07	16
19	10	UNL	13			75	65	61	62	08	15
22	10	50	12			74	66	61	64	08	15
DAY 19											
01	1	UNL	12			73	64	59	62	09	15
04	3	UNL	12			72	64	59	64	09	10
07	10	250	12			74	65	60	62	10	11
10	5	UNL	13			80	67	60	51	09	13
13	10	30	13			81	68	61	51	06	19
16	10	250	13			80	71	67	65	07	16
19	5	UNL	13			75	66	61	62	08	13
22	7	80	12			74	66	61	64	07	12
DAY 20											
01	4	UNL	12			73	64	59	62	08	12
04	1	UNL	12			73	64	59	62	07	13
07	1	UNL	13			75	66	60	62	07	10
10	4	UNL	13			81	69	63	54	08	16
13	8	100	13			81	69	62	53	07	14
16	5	UNL	13			81	68	61	51	05	18
19	4	UNL	13			76	67	61	60	05	18
22	3	UNL	13			75	67	62	64	07	18
DAY 21											
01	10	50	13			75	66	61	62	07	21
04	5	UNL	12			74	65	60	62	07	18
07	2	UNL	12			74	64	58	63	08	16
10	4	UNL	12			81	68	60	49	08	17
13	1	UNL	12			81	67	59	47	09	18
16	7	300	10			79	67	60	52	07	18
19	6	300	12			76	67	61	60	06	16
22	6	25	12			75	66	60	60	08	20
DAY 22											
01	7	50	10			74	65	60	62	07	18
04	1	UNL	10			74	65	59	60	08	15
07	3	UNL	10			75	64	57	54	09	17
10	3	UNL	12			81	67	58	46	10	17
13	6	30	12			82	67	58	44	08	15
16	4	UNL	12			80	66	58	47	11	14
19	7	30	12			76	65	59	56	08	15
22	5	UNL	12			75	64	56	52	10	10
DAY 23											
01	2	UNL	12			74	63	56	54	11	9
04	9	250	12			73	62	54	51	11	8
07	10	43	12			74	63	56	54	11	7
10	6	40	13			80	67	60	51	12	13
13	3	UNL	13			81	67	58	46	12	9
16	4	UNL	13			80	65	56	44	12	13
19	6	300	13			74	63	55	54	10	7
22	0	UNL	12			70	62	56	61	10	4
DAY 24											
01	0	UNL	12			70	62	57	64	13	6
04	0	UNL	12			70	63	58	66	13	5
07	3	UNL	13			69	63	59	71	00	0
10	6	30	13			82	68	60	47	12	7
13	10	UNL	12			82	66	56	41	12	9
16	10	UNL	13			80	67	59	49	12	11
19	10	UNL	13			78	65	59	56	14	6
22	10	250	10			74	65	60	62	14	8
DAY 25											
01	10	120	12			73	65	60	64	13	7
04	10	120	12			74	66	61	64	13	9
07	8	250	13			75	67	62	64	13	7
10	10	300	13			83	69	61	48	13	19
13	10	300	12			83	70	63	51	12	18
16	10	300	12			81	70	64	56	14	14
19	10	UNL	12			77	69	64	64	13	10
22	8	UNL	12			76	68	63	64	17	7
DAY 26											
01	10	300	12			73	66	62	69	21	3
04	2	UNL	12			70	65	62	76	00	0
07	0	UNL	13			73	68	65	75	18	4
10	5	UNL	13			84	71	65	53	19	10
13	7	100	13			86	74	68	55	14	18
16	9	100	13			85	73	67	55	14	18
19	10	100	12			81	72	68	65	17	9
22	10	50	12		R	79	72	68	69	18	3
DAY 27											
01	10	100	8		R	70	67	65	84	17	8
04	10	120	10			71	67	65	81	15	5
07	8	250	12			72	67	65	79	23	8
10	8	250	12			82	73	69	65	21	16
13	9	28	12			88	75	69	53	22	20
16	5	UNL	10			90	74	66	45	23	20
19	7	38	10			83	72	67	59	24	14
22	9	38	12			75	67	63	66	24	13
DAY 28											
01	10	120	12			70	63	58	66	31	14
04	10	30	12			63	58	55	75	30	6
07	0	UNL	7			62	56	52	70	32	10
10	0	UNL	10			72	59	47	41	35	15
13	0	UNL	13			77	59	45	32	30	12
16	0	UNL	13			75	59	47	37	02	16
19	0	UNL	13			71	58	47	43	01	4
22	0	UNL	13			63	56	51	65	00	0
DAY 29											
01	0	UNL	12			59	53	48	67	27	6
04	0	UNL	12			55	50	46	72	28	4
07	0	UNL	12			59	53	47	65	31	3
10	4	UNL	13			77	61	49	37	04	5
13	4	UNL	12			80	62	49	34	04	11
16	3	UNL	12			78	63	53	42	06	14
19	1	UNL	12			74	61	51	43	04	9
22	3	UNL	12			73	61	52	48	09	13
DAY 30											
01	4	UNL	12			71	60	52	51	07	10
04	7	60	12			70	60	52	53	05	5
07	6	55	10			67	59	53	61	33	3
10	3	UNL	12			79	63	51	33	09	12
13	4	UNL	12			80	64	54	41	08	10
16	5	UNL	12			77	64	53	47	07	11
19	4	UNL	12			74	62	54	50	09	11
22	4	UNL	12			73	62	54	51	09	11

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 04

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
MAY 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65° Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Sunshine Hours and tenths	Sunshine Percent of possible	Sky cover Tenths Sunrise to sunset	Sky cover Tenths Midnight to midnight	Date
1	82	71	77	1	57	0	12		0	0	0	30.16	09	15.0	15.1	22	08			7	5	1
2	83	73	78	2	62	0	13		0	.05	0	30.16	09	15.7	16.1	23	10			9	9	2
3	84	72	78	1	61	0	13		0	0	0	30.10	13	10.8	11.2	20	12			7	8	3
4	88	71	80	3	63	0	15		0	0	0	30.00	18	4.1	8.3	16	13			7	8	4
5	83	68	76	-1	59	0	11		0	0	0	30.01	04	8.4	10.8	18	03			5	3	5
6	82	69	76	-1	57	0	11		0	0	0	30.07	09	10.8	11.2	16	09			8	6	6
7	84	74	79	2	63	0	14		0	T	0	30.09	10	14.0	14.2	21	11			8	7	7
8	85	76	81	4	66	0	16		0	.03	0	30.07	13	15.0	15.4	24	13			9	8	8
9	90	72	81	4	70	0	16	3	0	1.93	0	29.99	14	7.4	11.9	29	12			9	10	9
10	90	71	81	4	69	0	16	3	0	.14	0	29.96	28	8.3	11.7	26	34			6	5	10
11	88	68	78	1	67	0	13	1 8	0	0	0	29.98	27	.4	7.1	15	06			2	1	11
12	89	68	79	2	67	0	14	1 8	0	0	0	29.98	14	3.3	6.6	16	12			0	0	12
13	89	70	80	2	67	0	15		0	0	0	30.01	15	6.1	7.6	18	10			2	3	13
14	88	72	80	2	68	0	15	3	0	T	0	30.04	12	4.1	5.5	16	13			9	9	14
15	88	71	80	2	67	0	15	3	0	.15	0	30.02	20	3.3	4.8	14	27			10	9	15
16	83	65	74	-4	62	0	9		0	T	0	29.98	33	6.6	8.6	16	36			8	6	16
17	83	60*	72*	-6	52	0	7		0	0	0	29.93	30	2.8	7.5	14	32			6	5	17
18	83	63	73	-5	58	0	8		0	0	0	29.95	03	3.9	8.3	15	08			9	9	18
19	85	70	78	0	63	0	13	8	0	0	0	29.96	01	2.4	8.1	14	07			9	9	19
20	91	65	78	0	63	0	13	8	0	0	0	29.92	21	7.6	10.2	17	25			4	3	20
21	88	66	77	-1	63	0	12	8	0	0	0	29.93	15	3.9	8.6	17	12			7	5	21
22	87	70	79	1	67	0	14	8	0	0	0	29.93	18	3.5	8.1	15	16			10	9	22
23	89	71	80	1	67	0	15	8	0	0	0	29.92	17	2.8	8.2	17	11			5	6	23
24	89	73	81	2	70	0	16	3	0	.07	0	29.88	19	3.2	6.2	18	13			7	5	24
25	94*	72	83	4	70	0	18		0	.03	0	29.85	15	6.3	11.2	21	36			8	6	25
26	92	71	82	3	71	0	17	3 5	0	1.70	0	29.85	16	5.0	6.3	32	18			8	5	26
27	91	77	84	5	73	0	19		0	T	0	29.85	16	7.5	8.1	17	14			6	5	27
28	93	81	87*	8	75	0	22		0	0	0	29.94	14	10.9	12.2	21	12			6	5	28
29	92	79	86	7	77	0	21	3	0	T	0	30.03	14	9.3	10.8	22	14			5	6	29
30	91	73	82	2	73	0	17	3	0	.03	0	30.08	10	7.6	14.4	23	04			7	8	30
31	89	73	81	1	71	0	16		0	0	0	30.05	07	7.9	8.3	17	11			4	6	31
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2713	2195				0	446	Number of days		4.13	0	29.99	12	4.3	9.8	32	18		for	207	189	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation ≥ .01 inch	9	Dep.						Date:	26	Possible	month	Avg.	Avg.	
	87.5	70.8	79.2	1.6	66	0		Snow, ice pellets ≥ 1.0 inch	0	-0.98										6.7	6.1	

Number of days: Maximum Temp. ≥ 90° ‡	Maximum Temp. ≥ 32°	Minimum Temp. ≤ 32°	Minimum Temp. ≤ 0°	Season to date: Total	Total
9	0	0	0	-65	

Thunderstorms	8
Heavy fog X	0
Clear 3	Partly cloudy 15	Cloudy 13

Greatest in 24 hours and dates: Precipitation	Snow, ice pellets
2.06 9-10	0

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. 1	2	3	4	5	6	7	8	9	10	11	12	P.M. 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																									1
2														T								.05			2
3																									3
4																									4
5																									5
6																									6
7																T									7
8													.03												8
9												.01	T	T	.49	.17	.36	.37	T			.47	.06	T	9
10	.09	T												.05											10
11																									11
12																									12
13																									13
14															T										14
15																		T	T	.15	T				15
16													T												16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24												T	T	.01		.01	.01	.01	.03						24
25															T	T	T	T	.03						25
26															.40	.82	.01	.47							26
27										T	T														27
28																									28
29																									29
30																		T	T	T					30
31																				.03	T	T			31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≤ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	Sky cover Tenths	Station pressure In.	Averages: Temperature Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	5	29.99	74	69	66	75	7.8	15	3.4
04	4	29.97	73	68	65	77	7.4	16	1.8
07	7	30.00	74	68	65	73	8.3	15	2.0
10	7	30.02	83	71	65	54	11.7	14	3.3
13	6	30.00	85	73	66	54	13.8	11	8.6
16	7	29.96	83	72	66	58	12.7	11	7.9
19	7	29.97	79	70	66	66	9.2	11	6.0
22	6	30.01	76	70	67	73	7.1	12	3.1

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hnds of ft.	VISIBILITY Whole Miles	VISIBILITY Nmrs Miles	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	3	UNL	12			73	63	56	55	09	13
04	2	UNL	12			72	62	55	57	09	11
07	8	30	12			74	63	56	54	08	10
10	8	300	13			79	65	57	47	09	15
13	7	30	13			83	65	55	44	08	13
16	7	UNL	13			77	64	56	48	09	14
19	3	UNL	13			75	64	57	54	09	10
22	3	UNL	12			75	66	60	60	08	19
DAY 02											
10		30	12			74	65	59	60	09	15
10		UNL	12			74	65	59	60	09	15
7		300	12			75	65	60	60	10	15
7		300	12			80	68	61	52	11	15
10		25	12			82	70	63	53	07	17
10		300	12			80	68	62	54	08	12
10		UNL	12			77	68	63	62	08	13
10		25	12			75	69	65	71	10	10
DAY 03											
10		45	12			75	67	63	66	11	12
4		UNL	12			73	66	61	66	12	9
8		90	12			75	66	60	60	11	14
8		90	12			80	63	61	52	14	9
2		UNL	13			82	68	60	47	12	8
10		UNL	13			81	68	61	51	13	15
10		300	12			77	67	62	60	15	8
10		300	12			73	66	62	69	17	3
DAY 04											
01	10	45	10			72	66	62	71	22	4
04	10	40	10			72	66	63	73	24	5
07	10	120	7			73	67	63	73	26	6
10	4	UNL	10			83	69	61	48	29	7
13	8	35	8			83	70	63	51	30	10
16	7	50	8			82	70	63	53	19	12
19	7	50	10			78	70	66	67	15	10
22	7	50	8			73	68	65	76	20	4
DAY 05											
3		UNL	8			70	66	64	81	25	4
5		UNL	10			71	67	64	77	33	6
5		UNL	8			74	67	63	69	36	7
6		35	10			80	63	50	35	03	16
4		UNL	12			81	67	59	47	05	12
5		UNL	12			80	67	59	49	05	12
4		UNL	12			76	64	56	50	06	10
0		UNL	10			73	63	56	55	09	8
DAY 06											
0		UNL	10			71	62	55	59	07	9
0		UNL	10			70	61	54	57	07	7
0		UNL	13			75	63	54	48	09	9
10		UNL	13			79	64	55	44	09	12
5		UNL	13			81	66	57	44	07	11
10		UNL	10			79	67	60	52	12	9
4		UNL	12			76	66	60	58	09	12
2		UNL	12			73	66	60	60	08	9
DAY 07											
01	5	UNL	12			75	66	61	62	11	9
04	7	35	12			75	67	62	64	09	14
07	9	85	12			77	67	62	60	11	12
10	8	25	13			82	70	63	53	12	13
13	10	25	12			82	70	64	55	11	14
16	9	23	10			80	70	65	60	09	13
19	7	UNL	12			78	70	65	64	11	12
22	6	180	12			77	69	65	67	09	12
DAY 08											
1		UNL	12			77	69	64	64	12	11
1		UNL	12			77	69	65	67	12	13
10		300	12			78	69	64	62	12	15
10		300	13			82	71	65	56	13	21
10		25	12			79	71	67	67	13	12
7		UNL	12			84	72	66	55	16	15
8		50	12			79	71	67	67	12	9
10		UNL	12			79	71	67	67	14	11
DAY 09											
10		120	12			79	72	69	72	14	11
10		UNL	12			78	73	70	77	17	7
9		120	10			79	73	70	74	17	11
10		25	12			83	73	69	53	20	12
10		30	12			86	77	73	65	22	25
10		32	6	RW		78	72	69	74	34	10
10		30	7			75	70	68	79	09	7
10		12	5	TRW		74	71	69	84	00	0
DAY 10											
01	10	4	6	R		73	70	69	87	25	10
04	1	UNL	10			71	68	67	87	23	8
07	4	UNL	13			72	68	66	82	22	8
10	8	17	10			85	76	72	65	25	10
13	9	250	10			85	73	71	63	31	12
16	10	20	12	T		82	73	72	72	34	23
19	3	UNL	12			75	70	67	76	29	3
22	1	UNL	12			73	69	67	82	24	7
DAY 11											
0		UNL	10			73	70	68	84	22	6
0		UNL	5	GF		70	68	67	90	26	6
9		UNL	0	F	8	70	67	66	87	27	7
0		UNL	12			84	70	63	49	35	3
0		UNL	13			87	71	63	45	02	10
0		UNL	10			85	73	68	57	09	7
0		UNL	8			80	72	68	67	11	5
0		UNL	12			74	71	69	84	19	5
DAY 12											
0		UNL	10			73	70	68	84	00	0
0		UNL	7			69	67	66	90	00	0
0		UNL	3	GFK		70	67	65	84	29	6
0		UNL	8			83	73	67	55	23	6
1		UNL	8			87	75	69	55	11	10
1		UNL	8			88	73	66	48	11	11
1		UNL	12			81	70	65	58	12	9
0		UNL	12			78	71	67	69	21	4
DAY 13											
0		UNL	12			73	69	67	82	00	0
0		UNL	10			73	69	67	82	00	0
0		UNL	8			73	69	67	82	19	4
1		UNL	13			87	72	65	48	19	9
1		UNL	13			87	74	68	53	13	15
0		UNL	13			85	72	66	53	13	11
0		UNL	12			81	72	68	55	13	11
0		UNL	12			78	72	69	74	29	3
DAY 14											
8		UNL	12			75	70	67	76	00	0
4		UNL	10			72	69	67	84	27	3
8		250	10			75	71	69	82	00	0
10		250	13			85	74	69	59	09	9
8		UNL	13			87	75	69	53	11	13
10		100	12			84	74	69	61	14	8
10		300	12			80	73	69	69	17	5
10		250	12			75	70	68	79	00	0
DAY 15											
10		120	12			73	70	68	84	18	5
4		UNL	12			73	69	67	82	00	0
10		250	10			73	68	66	79	00	0
10		80	7			81	72	67	63	24	8
10		80	10			85	72	65	51	24	8
10		120	10			84	73	67	57	17	7
10		300	12	R		77	72	69	76	11	5
10		33	12			76	71	69	79	00	0
DAY 16											
01	0	UNL	12			72	69	68	87	18	5
04	0	UNL	7			71	68	67	87	26	5
07	4	UNL	10			71	65	61	71	31	7
10	8	80	12			81	68	60	49	34	10
13	10	35	12			81	69	62	53	32	9
16	10	40	12			77	66	60	56	35	11
19	9	100	12			74	64	58	58	35	8
22	3	UNL	17			68	62	58	71	33	5
DAY 17											
0		UNL	12			64	56	50	61	33	4
0		UNL	12			62	54	48	60	32	9
8		45	12			65	56	49	56	33	9
4		UNL	13			76	61	49	39	29	8
7		45	13			78	63	52	40	12	6
9		UNL	12			82	65	53	37	27	6
10		UNL	12			75	64	56	52	13	5
8		UNL	12			71	63	57	61	18	5
DAY 18											
10		UNL	12			67	61	56	63	30	9
10		120	12			66	60	56	70	32	7
10		250	12			67	61	56	68	34	4
8		250	10			78	64	55	45	35	10
7		250	12			82	67	58	44	09	10
10		250	8			81	68	60	49	08	13
10		250	10			78	67	60	54	11	5
10		250	8			76	67	62	62	00	0
DAY 19											
01	10	250	8			72	66	62	71	26	7
04	10	140	8			71	65	62	73	32	5
07	10	140	5	K		71	65	62	73	33	8
10	10	140	6	K		78	69	64	62	33	6
13	8	140	8			84	70	62	48	03	8
16	4	UNL	8			83	71	64	53	07	10
19	10	UNL	10			79	70	65	62	13	7
22	8	250	8			75	69	65	71	15	5
DAY 20											
10		250	8			71	65	62	73	23	7
0		UNL	6	K		67	64	62	84	26	6
0		UNL	3	K		67	63	61	81	20	7
1		UNL	8			83	68	59	44	18	9
7		30	10			89	72	63	52	23	15
7		35	10			83	72	67	59	14	8
2		UNL	10			80	71	67	65	15	8
5		UNL	8			75	67	63	66	23	10
DAY 21											
0		UNL	7			70	63	58	66	23	8
0		UNL	7			68	63	59	73	25	6
10		300	4	K		70	64	61	73	27	5
10		300	10			82	70	64	53	03	4
7		300	8			86	72	65	50	11	14
6		UNL	10			85	72	65	51	11	9
6		UNL	12			80	70	65	60	14	9
6		UNL	10			78	71	68	71	16	5
DAY 22											
01	8	200	10			75	71	69	82	18	4
04	10	200	7			72	68	66	82	24	6
07	10	250	3	K		74	68	65	74	31	8
10	10	250	6	K		81	70	65	58	33	4
13	10	250	4	K		85	74	69	59	12	5
16	10	250	4	K		85	73	68	57	12	9
19	8	UNL	12			81	72	67	63	16	13
22	6	UNL	12			78	72	69	74	20	7
DAY 23											
10		300	12			75	70	68	79	22	6
10		300	12			73	64	58	59	23	5
9		300	3	K		74	69	67	79	24	4
2		UNL	8			86	73	67	53	34	7
1		UNL	6	K		87	75	69	55	07	13
7		300	10			85	75	70	61	16	13
3		UNL	10			81	73	69	67	15	4
3		UNL	10			77	72	70	79	20	5
DAY 24											
0		UNL	10			75	71	69	82	19	6
0		UNL	10			75	72	70	85	22	5
0		UNL	10			77	73	71	82	24	5
8		25	13			88	75	69	53	26	8
6		28	13			87	76	72	61	13	16
10		80	10	R		78	73	71	79	33	3
9		50	10			75	70	68	79	00	0
3		UNL	10			73	70	69	87	00	0
DAY 25											
01	0	UNL	10			73	70	69	87	23	6
04	2	UNL	8			72	69	68	87	23	5
07	4	UNL	12			76	72	70	82	20	5
10	10	UNL	13			89	76	71	55	20	11
13	7	25	13			89	78	74	61	14	15
16	9	25	12			84	76	72	67	15	14
19	10	23	12			79	72	69	72	04	11
22	0	UNL	12			77	72	69	76	09	9
DAY 26											
0		UNL	12			76	72	70	82	12	4
0		UNL	10			75	72	70	85	16	5
9		UNL	8			79	74	72	79	20	5
8		300	13			87	76	72	61	22	10
9		300	12			88	77	73	61	13	11
10		80	10	RW		78	73	71	79	15	6
4		UNL	12			77	71	68	74	00	0
0		UNL	12			79	75	74	85	13	5
DAY 27											
10		80	10			79	73	74	85	18	3
7		75	10			77	74	73	88	19	5
9		80	12			80	76	74	82	15	7
10		15	10	RW		82	75	72	72	17	6
6		120	13			90	78	73	57	19	9
1		UNL	13			90	78	73	57	13	13
4		UNL	13			84	75	71	65	17	8
0		UNL	12			80	75	73	79	16	5
DAY 28											
01	0	UNL	12			81	76	74	79	14	10
04	1	UNL	12			81	77	75	82	15	7
07	2	UNL	13			81	77	76	85	17	5
10	8	25	13			88	77	73	61	21	11
13	6	300	13			92	79	74	56	12	18
16	10	300	12			90	79	74	59	14	17
19	5	UNL	12			84	75	75	74	13	10
22	6	UNL	12			82	77	75	79	13	7
DAY 29											
10		300	8			82	78	77	85	15	6
3		UNL	8			82	78	77	85	15	5
5		UNL	7			83	79	78	85	16	8
4		UNL	13			90	81	78	68	14	19
1		UNL	13			90	80	77	66	16	13
6		120	12			86	78	75	70	13	13
10		80	10	R		82	78	76	82	11	7
7		UNL	10			81	78	77	88	32	4
DAY 30											
10		UNL	8			81	78	77	88	11	8
5		UNL	7			81	77	75	82	11	14
4		UNL	10			81	75	72	74	11	12
8		15	12			85	78	75	72	13	17
8		UNL	12			89	75	74	61	16	8
8		UNL	12			88	77	73	61	10	10
10		5	12	T		79	71	67	67	29	15
10		100	12			78	73	71	79	03	16

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North: i.e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 05

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
JUNE 1973

Latitude 26 ° 41 ' N Longitude 80 ° 06 ' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating (7A)	Cooling (7B)	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Dustatorm, 8 Smoke, Haze, 9 Blowing snow) (8)	Snow, ice pellets or ice on ground at 07AM In. (9)	Precipitation: Water equivalent In. (10)	Snow, ice pellets In. (11)	Avg. station pressure In. - - - Elev. 21 feet m.s.l. (12)	Wind: Resultant direction (13)	Resultant speed m.p.h. (14)	Average speed m.p.h. (15)	Fastest mile: Speed m.p.h. (16)	Direction (17)	Sunshine: Hours and tenths (18)	Percent of possible (19)	Sky cover Tenths: Sunrise to sunset (20)	Midnight to midnight (21)	Date (22)
1	89	79	84	4	70	0	19		0	0	0	30.03	07	10.5	10.8	17	09			5	5	1
2	87	73	80	0	68	0	15		0	0	0	29.99	09	8.9	9.5	17	08			4	3	2
3	89	77	83	3	70	0	18	3	0	T	0	30.01	07	13.9	14.5	23	06			7	7	3
4	88	79	84	4	70	0	19		0	0	0	30.06	10	15.0	15.7	21	11			6	5	4
5	89	79	84	4	70	0	19		0	T	0	30.09	11	11.8	12.1	17	10			5	4	5
6	89	77	83	3	68	0	18		0	T	0	30.06	08	11.7	12.5	17	10			5	4	6
7	85	73	79	-1	69	0	14		0	2.01	0	29.96	07	11.6	12.2	24	10			10	9	7
8	89	72	81	0	71	0	16	1 8	0	0	0	30.00	15	10.1	11.5	21	11			3	4	8
9	90	79	85*	4	72	0	20		0	T	0	30.09	12	11.1	11.4	18	12			9	7	9
10	89	76	83	2	69	0	18		0	0	0	30.07	11	7.4	7.5	17	11			6	5	10
11	89	73	81	0	68	0	16		0	0	0	30.04	11	6.7	6.9	15	09			5	5	11
12	89	77	83	2	69	0	18		0	0	0	30.02	12	10.0	10.1	18	11			6	5	12
13	90	75	83	2	71	0	18		0	0	0	30.03	14	6.5	7.1	17	12			8	8	13
14	92*	75	84	3	72	0	19	3	0	T	0	30.04	20	.5	5.9	14	34			9	8	14
15	91	73	82	1	71	0	17	3	0	T	0	30.00	20	3.7	5.3	14	11			7	5	15
16	91	72	82	1	70	0	17	3	0	.12	0	29.97	30	3.4	7.8	21	36			7	6	16
17	89	72	81	0	71	0	16	3	0	.33	0	29.93	21	1.3	6.2	14	18			10	9	17
18	89	72	81	-1	70	0	16	3	0	.23	0	29.93	23	5.2	6.2	21	24			10	9	18
19	90	69*	80	-2	69	0	15	3	0	.08	0	30.00	14	3.4	5.6	17	10			6	5	19
20	83	75	79	-3	71	0	14	3	0	1.73	0	30.07	13	1.8	5.5	20	14			10	10	20
21	83	74	79*	-3	72	0	14	3	0	.86	0	30.09	08	3.8	5.3	21	10			10	10	21
22	89	74	82	0	72	0	17	3	0	.09	0	30.08	13	5.1	6.0	13	09			7	8	22
23	90	73	82	0	71	0	17	3	0	.15	0	30.01	22	5.3	6.3	12	29			10	8	23
24	91	74	83	1	72	0	18	3 8	0	.48	0	29.93	20	4.0	6.2	20	25			10	10	24
25	87	73	80	-2	72	0	15	1 3 8	0	.73	0	29.88	10	2.5	4.0	17	07			7	8	25
26	89	74	82	0	71	0	17	1 3 8	0	.01	0	29.86	10	1.1	7.2	14	11			10	10	26
27	91	74	83	1	72	0	18	3 8	0	.71	0	29.91	21	6.2	7.8	21	18			7	7	27
28	89	75	82	0	72	0	17	8	0	0	0	29.92	20	7.4	7.8	15	21			10	9	28
29	90	73	82	0	72	0	17		0	0	0	29.88	18	4.6	7.1	13	13			4	4	29
30	90	74	82	0	71	0	17	8	0	0	0	29.91	21	.3	6.8	13	07			2	3	30
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2696	2235				0	509	Number of days		7.53	0	29.99	12	4.4	8.3	24	10		for	214	200	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.						Date:	07		month	Avg.	Avg.	
	88.9	74.5	81.7	0.7	70	0		≥ .01 inch	13	0.00								Possible		7.1	6.7	

Number of days: Maximum Temp. ≥90° ‡	≤32°	Minimum Temp. ≤32°	≤0°	Season to date: Total	Dep.
11	0	0	0	188	-65

Snow, ice pellets: ≥ 1.0 inch	0
Thunderstorms	15
Heavy fog X	0
Clear 2	Partly cloudy 16	Cloudy 12

Greatest in 24 hours and dates: Precipitation		Snow, ice pellets
2.48	20-21	0

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	Date
1												T	T				T	T		T			T		1
2																									2
3																	T	T							3
4																									4
5																	T	T						T	5
6	T																								6
7						.15		.01	.02	.01	T		T	T		.01	T	.66	.28	.33	.10	.16	.27	.01	7
8																									8
9			T									T	T												9
10																									10
11																									11
12																									12
13												T	T												13
14																T									14
15																									15
16														.06	T				.02	.04	T				16
17												.33													17
18												.17	T	T	T		.03	.03	T	T		T	T		18
19														T	.05	T	.02	.01							19
20							.10			.02	.15	.13	1.75	.02			.01	T				T	T	.04	20
21		T	.13	.13	.34	.15	T			.01		.02	.01	T										.05	21
22	.07	T	.01	.01	T				.02						.10	.02	.03	T							22
23																.38	.04	.05	.01						23
24																									24
25													.65	.08			T	T	T		.01	T			25
26														.68	.03					T	T				26
27																									27
28																									28
29																									29
30																									30

* Extreme temperatures for the month. May be the last of more than one occurrence.
— Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75c extra. Single copy: 20c for monthly issue; 15c for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Hoggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	6	29.99	78	73	70	78	5.9	12	3.4
04	5	29.97	76	72	70	81	5.3	13	3.0
07	6	30.00	78	73	70	76	6.0	13	2.5
10	7	30.03	85	75	71	63	9.4	14	4.0
13	7	30.01	85	75	71	63	12.0	10	7.2
16	8	29.97	84	75	71	65	11.2	11	6.7
19	8	29.98	81	74	71	73	9.5	12	4.6
22	7	30.01	79	73	70	79	6.9	12	4.6

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds. of ft.	VISIBILITY Whole Miles	VISIBILITY Tenths Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	10	UNL	12			81	74	71	72	05	7
04	5	UNL	12			79	73	71	77	08	7
07	1	UNL	12			82	74	70	67	09	6
10	1	UNL	13			86	74	69	57	06	8
13	3	UNL	13			87	75	71	59	09	15
16	10	250	13			84	74	69	61	07	10
19	10	250	12			82	73	69	65	06	10
22	8	UNL	12			81	73	69	67	07	12
DAY 02											
0	UNL	12				80	72	65	67	11	10
1	UNL	12				77	71	68	74	12	3
4	UNL	13				80	72	68	67	10	6
5	UNL	13				84	73	68	59	10	6
1	UNL	13				86	74	69	55	10	10
5	UNL	13				85	73	69	57	08	7
7	UNL	12				82	72	67	61	06	14
5	UNL	12				81	72	67	63	07	10
DAY 03											
6	32	12				80	72	69	67	05	8
6	33	12				80	73	69	69	08	10
4	UNL	13				81	72	67	63	07	16
8	33	13				85	74	69	59	08	9
6	33	13				86	76	72	63	06	17
7	250	12				86	75	70	59	04	10
10	20	10			T	78	73	71	79	05	15
10	100	12				80	73	70	72	09	16
DAY 04											
01	6	250	10			80	73	70	72	10	15
04	5	UNL	10			83	73	69	69	09	14
07	6	60	12			80	73	69	69	11	12
10	7	80	13			85	75	70	61	11	18
13	5	UNL	13			87	75	70	57	08	14
16	3	UNL	13			86	75	70	59	14	14
19	5	UNL	12			82	74	70	67	10	14
22	4	UNL	10			81	73	70	69	09	8
DAY 05											
0	UNL	12				81	73	70	69	11	11
4	UNL	12				80	73	70	72	11	9
3	UNL	13				82	74	70	67	09	11
5	UNL	13				86	76	71	61	12	11
6	30	13				87	76	72	61	10	10
6	250	12				86	75	70	59	12	11
4	UNL	12				82	74	70	67	09	9
4	UNL	12				81	73	70	69	12	12
DAY 06											
5	UNL	12				80	73	70	72	11	10
1	UNL	12				79	72	69	72	11	8
1	UNL	13				82	73	68	63	10	10
4	UNL	13				85	73	68	57	08	11
5	UNL	13				86	73	66	51	03	12
7	70	13				84	73	68	59	06	14
5	UNL	13				81	72	68	65	05	10
0	UNL	12				80	71	66	62	07	12
DAY 07											
01	5	UNL	12			80	71	66	62	07	12
04	4	UNL	12			79	70	66	65	05	9
07	10	45	12			79	72	69	72	07	13
10	10	18	12		RW	81	74	71	72	07	9
13	10	80	12		RW	82	73	69	65	06	16
16	10	20	12			82	74	71	69	07	15
19	10	14	0	12	RW	73	70	69	87	12	5
22	10	20	5		R	76	72	70	82	12	6
DAY 08											
9	250	10				76	73	71	85	16	9
3	UNL	7				73	71	70	90	21	5
2	UNL	7				74	70	68	82	19	4
7	17	13				84	75	71	65	20	9
4	UNL	13				86	76	70	55	13	14
5	UNL	13				87	77	73	63	14	15
2	UNL	12				81	74	71	72	12	13
5	UNL	12				82	76	73	74	14	10
DAY 09											
5	UNL	12				82	76	73	74	13	10
3	UNL	12				80	75	73	74	14	6
9	UNL	12				81	75	72	74	13	5
5	UNL	13				87	77	73	63	11	13
10	300	12				88	77	73	61	12	16
9	250	12				84	75	71	65	10	13
6	UNL	13				82	75	72	72	13	9
4	UNL	12				81	74	71	72	11	7
DAY 10											
01	9	UNL	12			79	73	71	77	12	5
04	10	38	12			78	73	71	79	12	3
07	6	100	12			80	73	69	69	00	0
10	2	UNL	12			86	74	68	55	11	9
13	10	300	12			87	75	70	57	11	11
16	8	UNL	10			86	74	68	55	10	8
19	6	250	12			81	72	68	65	12	9
22	1	UNL	12			80	72	68	67	11	7
DAY 11											
9	45	12				78	71	68	71	00	0
0	UNL	10				74	70	68	82	00	0
6	45	12				76	71	69	79	00	0
4	UNL	13				87	74	68	53	12	10
3	UNL	13				87	74	68	53	09	12
4	UNL	13				85	74	69	59	12	10
9	250	12				81	72	68	65	12	9
6	UNL	12				80	71	67	65	12	7
DAY 12											
5	UNL	12				80	71	67	65	12	5
1	UNL	12				79	71	67	67	11	7
7	250	13				80	72	68	67	13	6
7	250	13				85	74	69	57	12	13
7	UNL	13				88	75	69	53	12	10
6	UNL	13				87	75	70	57	11	11
9	UNL	13				83	75	71	67	13	11
4	UNL	12				82	75	72	72	12	7
DAY 13											
01	10	300	12			78	73	71	79	00	0
04	4	UNL	12			78	73	71	79	00	0
07	5	UNL	13			83	75	72	70	14	7
10	7	120	13			87	76	71	59	15	12
13	5	300	13			86	76	71	61	18	6
16	9	300	13			84	74	70	63	10	9
19	10	300	13			82	75	72	72	13	9
22	10	300	12			81	75	73	77	14	8
DAY 14											
10	300	12				79	74	72	79	18	4
7	UNL	12				76	73	71	85	28	4
5	UNL	12				79	74	72	79	21	3
8	25	13				85	77	73	67	12	4
10	300	13				86	77	73	65	25	4
7	300	13				88	77	72	59	12	10
9	35	13				81	74	71	72	36	12
8	100	13				77	72	70	79	00	0
DAY 15											
3	UNL	12				75	71	69	82	00	0
0	UNL	10				74	71	69	84	00	0
0	UNL	12				77	72	70	79	19	4
7	28	13				86	76	72	63	21	8
10	250	12			T	87	76	72	61	12	10
10	250	8				80	74	71	74	22	8
10	300	12				77	73	71	82	24	3
0	UNL	12				75	72	70	85	25	4
DAY 16											
0	UNL	12				74	71	69	84	00	0
0	UNL	10				73	70	69	87	00	0
3	UNL	10				75	71	69	82	24	4
3	UNL	12				87	76	72	61	28	4
10	30	10				83	73	69	63	36	18
9	120	8				83	76	72	63	10	7
19	19	8			TRW	78	71	69	71	26	17
10	250	10				79	72	70	82	25	4
DAY 17											
9	120	10				74	71	69	84	00	0
10	300	10				73	70	69	87	23	5
10	300	12				74	70	68	82	26	5
10	UNL	12				86	76	72	63	32	8
9	35	8				81	75	73	77	09	6
10	300	10				85	77	73	67	11	10
9	300	10				82	76	73	74	21	5
9	120	10				78	73	71	79	23	4
DAY 18											
7	300	10				76	73	71	85	23	4
7	300	10				73	72	70	85	19	4
10	250	12				76	72	70	82	23	4
9	30	13				86	76	72	63	28	3
10	250	10				78	73	70	77	26	6
10	14	12				78	72	69	74	24	14
10	80	12			R	74	70	68	82	16	5
10	80	10			R	73	68	66	79	23	3
DAY 19											
01	0	UNL	12			71	68	66	84	23	3
04	0	UNL	12			70	67	65	84	00	0
07	2	UNL	13			73	69	66	79	00	0
10	3	UNL	13			85	73	67	53	15	5
13	3	UNL	13			88	76	70	55	10	13
16	10	120	12			80	75	73	79	19	10
19	10	120	12			80	74	72	77	26	3
22	9	80	10			78	74	73	85	07	3
DAY 20											
10	80	12				77	74	72	85	00	0
7	140	12				78	73	70	77	12	5
10	100	12			T	77	70	67	71	00	0
10	20	7			TRW	79	74	72	79	18	10
10	20	5			TRW	75	72	70	85	28	5
10	100	7				80	74	71	74	01	8
10	100	8				79	74	72	79	11	5
8	300	8			RW	80	76	74	82	12	5
DAY 21											
8	100	8			T	79	75	73	82	07	5
10	100	8			T	75	72	70	85	10	5
10	100	10				75	72	70	85	33	6
10	250	12				78	73	71	79	00	0
10	140	10			R	79	75	73	82	10	5
10	250	10				82	75	72	72	12	7
10	300	10				82	76	73	74	10	6
7	300	10				80	75	73	79	09	3
DAY 22											
01	10	100	7		R	74	70	68	84	14	5
04	10	120	8		R	78	74	72	82	11	6
07	7	100	13			80	76	74	82	12	4
10	5	UNL	13			87	77	73	63	08	7
13	4	UNL	13			87	78	74	65	14	10
16	7	250	12			84	76	72	67	18	5
19	10	250	12			82	74	71	69	18	5
22	8	UNL	12			78	73	71	79	00	0
DAY 23											
0	UNL	12				77	73	71	82	18	4
0	UNL	10				75	72	70	85	20	6
10	300	13				77	73	71	82	22	7
10	23	13				85	77	73	67	24	10
10	300	13				88	76	70	55	24	8
10	120	12			TR	76	73	71	85	09	3
10	250	12				77	74	72	85	23	6
10	250	10				77	74	72	85	00	0
DAY 24											
10	250	10				76	73	72	87	00	0
10	250	10				75	72	71	87	19	5
10	250	10				76	73	71	85	20	6
10	300	10				84	77	74	72	24	11
10	120	6			H	83	77	72	59	24	5
10	25	5			TR	80	74	71	74	09	8
10	140	6			KH	77	73	71	82	18	4
9	250	7				77	74	72	85	18	4
DAY 25											
01	10	120	7			77	74	72	85	26	3
04	3	UNL	4		GFH	75	72	71	87	00	0
07	0	UNL	2	8	GFH	76	73	71	85	00	0
10	8	300	7			84	76	72	67	00	0
13	10	20	3		TRW	78	74	72	82	08	12
16	5	UNL	4		KH	84	76	73	70	09	9
19	10	120	6		KH	81	75	72	74	19	4
22	10	100	10			78	73	71	79	00	0
DAY 26											
10	100	7				76	72	70	82	34	3
10	300	7				75	72	70	85	00	0
10	300	2	8	GFH		75	72	70	85	25	5
10	300	5		H		83	75	71	67	23	6
10	140	7				87	77	73	63	08	9
10	30	4		TKH		83	75	71	67	33	10
10	120	6		KH		82	76	73	74	15	5
10	80	8				78	73	70	77	11	12
DAY 27											
6	UNL	10				78	73	71	79	18	6
0	UNL	6		H		75	72	70	85	22	5
3	UNL	2	8	H		78	73	71	79	23	4
9	300	7				87	76	72	61	24	11
10	35	7				88	76	71	57	27	8
8	UNL	7				86	77	74	68	18	7
8	300	10				83	76	73	72	17	7
10	300	10				80	74	71	74	17	9
DAY 28											
01	10	300	10			78	74	72	82	23	5
04	9	300	7			75	72	71	87	17	3
07	10	150	4		KH	78	74	72	82	00	0
10	10	250	10			82	75	72	72	20	11
13	9	250	13			85	76	72	65	19	10
16	10	250	13			86	76	72	63	22	10
19	10	300	13			83	75	72	70	18	10
22	10	UNL	12			78	73	71	79	20	5
DAY 29											
0	UNL	12				75	72	71	87	20	5
1	UNL	12				75	72	71	87	18	4
2	UNL	10				76	73	71	79	21	4
6	23	13				87	76	72	61	31	4
5	UNL	13				87	78	74	65	11	9
3	UNL	12				86	77	74	68	16	9
5	UNL	12				85	77	73	67	18	7
5	UNL	12				81	73	72	74	24	7
DAY 30											
6	UNL	12				78	73	70	77	23	6
5	UNL	10				75	72	70	85	27	5
2	UNL	4		KH		78	73	71	79	27	4
2	UNL	10				87	76	71	59	27	6
2	UNL	4		K		88	79	74	63	04	10
2	UNL	8				89	76	71	55	09	10
4	UNL	6		K		84	76	72	67	16	6
1	UNL	9				80	74	71	74	00	0

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 06

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
JULY 1973

Latitude 26 °41 'N Longitude 80 °06 'W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65° Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Sunshine Hours and tenths	Sunshine Percent of possible	Sky cover Tenths Sunrise to sunset	Sky cover Tenths Midnight to midnight	Date
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	90	73	82	0	71	0	17		0	0	0	29.95	08	3.9	5.2	15	07			9	9	1
2	89	74	82	0	73	0	17	1 3 8	0	.20	0	30.00	08	1.4	3.9	20	06			9	7	2
3	87	74	81	-1	71	0	16	1 3	0	.08	0	30.03	05	3.5	7.2	17	08			9	8	3
4	88	75	82	0	72	0	17		0	0	0	29.99	15	1.2	5.2	12	12			7	8	4
5	91	73	82	0	72	0	17		0	0	0	29.94	17	3.8	5.5	15	17			5	4	5
6	90	75	83	1	73	0	18	3	0	1.05	0	29.99	16	.9	4.5	22	18			7	6	6
7	90	76	83	1	73	0	18	3	0	0	0	30.04	03	2.3	6.0	15	07			7	6	7
8	91	73	82	-1	71	0	17	3	0	0	0	30.06	30	6.1	7.3	26	32			6	4	8
9	90	73	82	-1	72	0	17	23 8	0	0	0	29.91	29	.5	4.3	12	33			8	7	9
10	88	74	81	-2	72	0	16	1 3 8	0	T	0	29.86	30	2.3	5.2	20	02			9	8	10
11	90	73	82	-1	71	0	17	3	0	.23	0	29.85	20	6.9	7.2	23	14			10	10	11
12	91	74	83	0	73	0	18	3	0	.35	0	29.92	20	8.4	8.8	23	24			8	9	12
13	92	75	84	1	72	0	19	3 8	0	0	0	30.00	19	6.5	6.9	14	29			10	8	13
14	92	73	83	0	72	0	18	3	0	.21	0	30.04	17	2.4	4.6	28	30			9	8	14
15	92	74	83	0	72	0	18	3	0	.60	0	30.03	14	3.0	3.2	23	17			9	8	15
16	92	73	83	0	71	0	18	3	0	.40	0	30.03	30	.8	4.5	14	21			6	4	16
17	92	75	84	1	73	0	19	3	0	0	0	30.03	09	5.4	5.8	14	09			7	4	17
18	92	76	84	1	72	0	19	3	0	0	0	30.05	09	4.4	6.2	13	08			8	7	18
19	86	76	81	-2	73	0	16	3	0	.05	0	30.03	04	2.7	5.8	12	07			10	9	19
20	91	72*	82	-1	71	0	17	3	0	0	0	30.00	10	5.0	8.5	17	10			6	5	20
21	87	74	81	-2	71	0	16	3	0	.31	0	29.97	11	8.9	10.2	21	12			9	6	21
22	86	74	80*	-3	72	0	15	3	0	2.60	0	29.98	12	7.0	9.1	18	11			10	10	22
23	90	78	84	1	74	0	19	3	0	T	0	30.06	08	10.6	11.5	16	09			5	6	23
24	90	80	85*	2	73	0	20		0	T	0	30.06	09	10.0	10.4	15	09			6	5	24
25	91	75	83	0	72	0	18	3	0	0	0	30.03	10	3.3	3.5	12	07			9	6	25
26	87	74	81	-2	72	0	16	8	0	T	0	30.00	16	3.3	4.9	13	13			10	8	26
27	92*	74	83	0	72	0	18	3 8	0	.05	0	30.01	25	4.3	5.6	21	22			6	5	27
28	91	73	82	-1	72	0	17	3 8	0	.56	0	30.03	21	3.9	5.6	17	25			10	9	28
29	90	74	82	-1	72	0	17	3	0	.18	0	30.02	17	5.5	7.8	17	23			9	8	29
30	88	74	81	-2	73	0	16	3	0	.80	0	29.99	15	4.6	5.0	17	15			9	9	30
31	89	76	83	0	73	0	18	3	0	.07	0	29.99	18	4.0	4.8	17	14			10	10	31
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2785	2307				0	539	Number of days		7.74	0	30.00	13	2.2	6.2	28	30		for	252	221	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.						Date: 14		Possible	month	Avg.	Avg.	
	89.8	74.4	82.1	-0.5	72	0		≥ .01 inch	16	1.08										8.1	7.1	

Number of days				Season to date		Snow, ice pellets		Greatest in 24 hours and dates			Greatest depth on ground of snow, ice pellets or ice and date
Maximum Temp.		Minimum Temp.		Total	Total	≥ 1.0 inch	0	Precipitation		Snow, ice pellets	
≥ 90° ‡	≤ 32°	≤ 32°	≤ 0°	Dep.	Dep.	Thunderstorms	26	2.80	21-22	0	0
21	0	0	0	0		Heavy fog X	1				
						Clear 0	Partly cloudy 11	Cloudy 20			

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																									1
2														T	T	.05	.11	.03	.01						2
3										.03	.02	.03		T	T		T							T	3
4																									4
5																									5
6																1.05	T								6
7																									7
8																									8
9																									9
10												T	T					T	T						10
11				T	T		T	T								.23									11
12												T	.17	.17	.01	T	T	T							12
13																									13
14															.16	T	.05	T							14
15													.60	T					T						15
16																	.40								16
17																									17
18																									18
19													T	.05	T	T									19
20																									20
21													T	T	T				.22	.09					21
22		T	.90	.78	.30	.21	.16	.11	.03	T										.01	.06	.04	T	T	22
23														T								T			23
24				T																					24
25																									25
26												T	T												26
27															T	.03	.02								27
28																		T	.32	.24					28
29														.07	.01			.08	.02						29
30										T	.75	.03	.02	T	T		T	T							30
31												T	T		.05			.02							31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Armospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES Sky cover Tenths	Station pressure In.	Temperature Air °F	Temperature Wet bulb °F	Temperature Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind Direction	Resultant wind Speed m.p.h.
01	5	29.99	77	73	72	83	3.4	22	1.5
04	4	29.97	76	73	71	86	2.3	15	.5
07	7	30.00	78	74	72	82	4.2	30	.3
10	8	30.03	86	77	73	67	8.8	14	3.8
13	9	30.01	86	77	73	65	10.5	11	5.4
16	9	29.98	84	75	72	69	10.3	13	5.7
19	9	29.98	80	74	71	74	6.6	14	2.9
22	7	30.01	78	74	72	81	3.8	21	1.1

USCOMM — NOAA — ASHEVILLE 300

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
HEATING DEGREE DAYS - JULY 1, 1973
COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION - JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft	VISIBILITY WHOLE MILES	VISIBILITY FRACTION MILES	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR	WIND SPEED Knots
DAY 01											
01	10	300	10			76	71	69	79	22	5
04	8	300	10			75	70	67	76	00	0
07	10	300	10			77	72	70	79	00	0
10	9	UNL	12			87	78	74	65	08	5
13	9	UNL	13			89	77	72	57	09	7
16	5	UNL	8			89	78	73	59	07	10
19	10	300	8			85	77	71	67	07	9
22	9	UNL	8			82	76	73	74	00	0
DAY 02											
01	4	UNL	7			79	75	73	82	27	4
04	3	UNL	4		GF	78	74	73	85	00	0
07	8	300	5		KH	79	74	72	79	00	0
10	9	300	6		TKH	87	78	75	68	06	6
13	9	25	5		KH	85	77	73	67	09	10
16	10	120	6		TR	75	72	70	85	17	4
19	10	300	7			76	73	72	87	32	3
22	0	UNL	7			76	73	72	87	00	0
DAY 03											
01	0	UNL	5		GF	74	72	71	93	32	4
04	8	250	6		GF	75	72	71	87	34	4
07	8	120	7			76	73	71	85	32	5
10	10	23	10		TRW	77	73	71	82	12	10
13	9	250	12			86	78	75	70	08	8
16	10	120	12			82	74	71	69	07	10
19	10	250	12			82	74	71	69	05	4
22	6	250	8			77	72	70	79	31	5
DAY 04											
01	6	UNL	10			76	73	71	85	35	3
04	10	120	10			76	73	72	87	00	0
07	6	250	12			77	73	71	82	33	3
10	5	UNL	13			85	77	74	70	08	7
13	8	250	13			86	77	73	65	14	10
16	10	250	13	→		84	76	72	67	20	7
19	10	300	13			80	74	72	77	00	0
22	8	UNL	12			77	74	73	89	27	6
DAY 05											
01	0	UNL	10			74	72	71	90	00	0
04	0	UNL	10			74	71	70	87	00	0
07	0	UNL	13			77	73	71	82	25	3
10	4	UNL	13			86	76	71	61	25	6
13	6	300	13			88	78	74	63	12	7
16	10	300	13			87	77	73	63	15	11
19	9	UNL	13			85	77	73	67	18	7
22	7	UNL	12			81	75	73	77	18	4
DAY 06											
01	0	UNL	10			78	74	73	89	00	0
04	0	UNL	10			77	74	72	85	24	5
07	1	UNL	8			77	73	71	82	28	3
10	9	300	12			87	78	74	65	23	5
13	10	300	13			88	78	74	63	09	9
16	10	120	8		TRW	76	73	71	85	07	5
19	10	120	12			79	75	73	82	19	4
22	10	100	12			78	74	73	85	00	0
DAY 07											
01	10	300	10			77	74	73	88	29	4
04	8	300	10			76	73	72	87	26	3
07	0	UNL	7			78	74	73	85	30	5
10	9	UNL	7			88	79	75	65	35	8
13	10	300	7			89	79	75	63	06	11
16	9	300	7		T	87	79	76	70	10	8
19	5	UNL	12			79	71	67	57	12	3
22	4	UNL	12			77	73	71	82	00	0
DAY 08											
01	0	UNL	10			76	71	69	79	00	0
04	0	UNL	8			74	71	70	87	00	0
07	0	UNL	8			78	73	71	79	26	3
10	9	UNL	10			88	77	73	61	36	5
13	10	300	10		T	90	79	74	59	32	23
16	8	300	10			87	76	72	61	25	8
19	9	300	10			80	74	71	74	26	5
22	2	UNL	10			76	72	70	82	30	7
DAY 09											
01	4	UNL	7			76	73	72	87	28	4
04	2	UNL	8			75	72	71	87	00	0
07	7	300	5		H	73	71	70	90	28	3
10	9	300	8			86	77	73	65	08	3
13	5	UNL	8			89	79	74	63	08	8
16	10	109	10			82	75	72	72	18	3
19	10	120	7			80	74	71	74	24	4
22	10	300	12			78	73	71	79	31	5
DAY 10											
01	4	UNL	7			76	73	72	87	28	4
04	2	UNL	9			75	72	71	87	00	0
07	9	300	3		KH	78	74	73	85	35	5
10	8	300	9			85	77	74	70	09	6
13	10	19	7		T	75	72	71	87	30	10
16	10	100	10			82	75	72	72	18	3
19	10	120	7			80	74	71	74	24	4
22	10	300	7			76	73	71	85	29	4
DAY 11											
01	9	300	7			75	71	69	82	20	7
04	10	100	7		RW	73	70	69	87	00	0
07	10	100	7		R	75	72	70	85	18	4
10	10	100	12			82	74	71	69	18	11
13	10	100	12			85	75	71	63	20	9
16	10	20	8			78	74	72	82	20	5
19	10	80	10			80	74	72	77	23	7
22	10	300	10			78	74	72	82	22	7
DAY 12											
01	9	100	10			78	74	72	82	21	5
04	10	120	8			77	74	73	83	19	7
07	6	UNL	8			79	75	73	82	19	7
10	9	30	10			87	78	74	65	20	14
13	8	35	12			85	73	73	72	21	7
16	10	120	10			76	73	71	85	20	11
19	10	120	10			78	73	71	79	24	7
22	10	120	10			77	74	72	85	18	3
DAY 13											
01	3	UNL	10			79	74	72	79	20	7
04	5	UNL	10			75	73	72	90	18	3
07	10	300	6		H	78	74	73	85	18	6
10	10	UNL	10			88	78	74	63	18	12
13	9	120	12			91	79	74	58	22	10
16	10	120	12		T	80	73	70	72	17	7
19	10	120	12			79	73	71	77	15	3
22	9	100	12			77	73	71	82	00	0
DAY 14											
01	3	UNL	12			75	72	71	87	00	0
04	1	UNL	12			74	71	70	87	00	0
07	9	120	12			76	73	71	85	22	3
10	9	20	12			88	78	74	63	23	7
13	9	UNL	12			91	79	74	58	10	13
16	10	80	10		TRW	75	72	70	85	19	6
19	10	100	12			76	73	71	85	23	3
22	9	250	12			75	72	71	87	00	0
DAY 15											
01	8	300	12			75	72	71	87	00	0
04	3	UNL	12			74	72	71	90	00	0
07	10	100	8			77	74	73	86	00	0
10	8	100	12			87	79	76	70	17	6
13	10	100	8		TRW	79	73	70	74	12	5
16	9	100	12			90	77	72	57	14	11
19	8	100	12			79	73	71	77	00	0
22	8	100	12			76	73	71	85	00	0
DAY 16											
01	3	UNL	12			75	72	71	87	23	3
04	0	UNL	12			74	71	70	87	00	0
07	10	300	12			79	74	72	79	00	0
10	7	UNL	13			89	77	72	57	14	4
13	6	300	13		T	90	78	73	57	10	8
16	9	33	13		T	82	73	69	65	31	11
19	5	UNL	13			80	74	71	74	00	0
22	2	UNL	12			77	73	71	82	29	5
DAY 17											
01	1	UNL	12			76	73	72	87	00	0
04	0	UNL	12			76	73	72	87	00	0
07	10	UNL	13			80	74	72	77	00	0
10	9	20	13			88	78	74	63	07	10
13	7	UNL	13			90	79	74	59	12	10
16	9	UNL	13			89	77	72	57	08	9
19	2	UNL	13			84	76	72	67	09	7
22	0	UNL	12			82	76	73	74	12	4
DAY 18											
01	0	UNL	12			81	75	73	77	12	4
04	3	UNL	12			77	74	72	83	00	0
07	9	UNL	13			80	76	74	82	33	6
10	6	300	13			87	76	72	61	06	5
13	10	100	12			89	77	72	57	08	11
16	7	300	13			88	76	71	57	10	7
19	10	300	13			84	75	71	65	11	6
22	10	300	12			81	75	72	74	14	4
DAY 19											
01	10	300	12			80	75	73	79	00	0
04	9	300	10			78	74	72	82	00	0
07	8	100	12			79	75	74	85	34	7
10	10	140	12			85	75	71	63	35	5
13	10	23	7		R	81	76	74	79	07	10
16	10	100	8			82	76	73	74	07	9
19	10	100	12			81	75	73	77	16	5
22	8	300	12			78	74	73	85	28	4
DAY 20											
01	10	120	12			77	72	70	79	33	3
04	5	UNL	12			74	71	70	87	00	0
07	5	UNL	12			76	73	71	85	33	6
10	5	UNL	12			85	76	72	65	24	9
13	8	25	13			89	78	73	59	10	15
16	5	UNL	13			88	77	72	59	10	14
19	2	UNL	13			83	75	71	67	12	9
22	1	UNL	12			81	73	70	69	11	7
DAY 21											
01	1	UNL	12			80	74	71	74	12	5
04	1	UNL	12			79	73	70	74	10	4
07	4	UNL	13			82	74	71	69	10	8
10	10	300	13			86	76	72	63	09	11
13	10	100	8			81	75	72	74	15	6
16	10	300	12			84	76	72	67	09	13
19	9	23	4		RW	78	71	68	71	12	18
22	6	23	12			79	73	71	77	20	6
DAY 22											
01	10	25	12			78	73	71	79	24	4
04	10	20	3		TRW	74	71	70	87	35	4
07	10	20	4		RW	77	74	72	85	13	9
10	10	80	7		R	78	74	73	85	13	12
13	10	250	12			83	77	74	74	13	10
16	10	250	12		T	82	75	72	72	10	12
19	10	23	12			82	75	72	72	10	12
22	10	20	7		RW	76	73	71	85	00	0
DAY 23											
01	10	100	12			79	75	73	82	19	3
04	9	100	10			81	76	74	79	10	6
07	6	120	13			83	77	74	74	09	10
10	5	UNL	13			87	78	75	68	08	13
13	5	UNL	13			89	78	74	61	05	11
16	10	250	12			88	77	73	61	09	14
19	10	250	12			83	76	73	72	08	13
22	10	250	12			83	77	74	74	07	10
DAY 24											
01	3	UNL	10			82	76	73	74	06	8
04	10	250	13			82	76	73	74	08	13
07	10	250	13			82	76	73	74	09	8
10	8	250	13			88	78	74	63	09	11
13	10	250	13			89	78	73	59	11	9
16	10	250	13			87	77	73	63	10	11
19	10	250	13			84	75	71	65	10	7
22	10	250	12			81	74	71	72	12	5
DAY 25											
01	3	UNL	12			78	74	72	82	00	0
04	0	UNL	12			76	73	71	85	00	0
07	8	300	12			79	74	72	82	00	0
10	8	300	13			86	76	71	61	13	4
13	8	300	13			88	77	72	59	08	8
16	10	UNL	13			87	76	72	61	09	8
19	10	UNL	13			82	74	71	69	11	4
22	3	UNL	12			79	74	72	79	00	0
DAY 26											
01	0	UNL	10			77	73	71	82	00	0
04	0	UNL	8			75	72	71	87	26	4
07	10	300	6		K	77	74	72	85	00	0
10	10	25	8			85	77	73	67	21	6
13	10	300	8			84	73	71	65	13	9
16	10	300	8			85	73	71	63	12	7
19	10	300	10			82	74	71	69	13	5
22	9	100	10			79	75	73	82	20	3
DAY 27											
01	7	UNL	10			77	74	72	85	20	4
04	0	UNL	10			75	72	71	87	00	0
07	2	UNL	8		K	77	74	73	88	00	0
10	4	UNL	10			88	77	73	61	20	8
13	5	UNL	12			91	78	72	54	22	8
16	9	70	8		TR	76	73	72	87	28	13
19	100	5			KH	76	73	72	87	30	6
22	7	UNL	7			75	73	72	90	00	0
DAY 28											
01	3	UNL	7			74	72	71	90	00	0
04	8	120	8			73	71	70	90	23	4
07	10	120	10			77	73	71	82	28	3
10	10	120	8			84	77	74	72	25	6
13	9	300	12			90	77	72	56	22	3
16	10	100	10			87	76	72	61	13	9
19	10	14	0	8	TRW	77	74	73	88	21	10
22	9	100	12			77	74	73	88	24	4
DAY 29											
01	10	300	10			76	73	72	87	19	5
04	10	300	10			75	73	72	90	17	4
07	10	300	10			77	74	73	88	29	4
10	10	UNL	12			88	73	74	63	20	7
13	10	300	12			86	77	73	65	12	14
16	10	300	10			85	76	72	65	16	11
19	10	100	10			76	72	70	82	23	6
22	10	300	12			75	72	71	87	18	3
DAY 30											
01	10	300	10			75	73	72	90	17	3
04	7	UNL	10			75	73	72	90	00	0
07	10	UNL	12			78	74	72	82	19	3
10	8	29	12		RW	82	76	74	77	11	9
13	9	100	8		RW	77	72	70	79	00	0
16	8	300	12			86	78	75	70	16	12
19	8	300	12			81	75	72	74	16	4
22	8	300	12			79	75	73	82	16	4
DAY 31											
01	10	250	10			79	75	73	82	18	3
04	10	250	10			77	74	73	88	00	0
07	10	250	12			79	73	73	82	00	0
10	10	20	13			85	78	75	75	15	10
13	10	120	13			81	74	71	72	21	4
16	10	140	12			85	77	74	70	18	9
19	10	140	12			80	74	71	74	26	4
22	7	300	12			77	74	72	85	16	3

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 07

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
AUGUST 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65° Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Sunshine Hours and tenths	Sunshine Percent of possible	Sky cover Tenths Sunrise to sunset	Sky cover Tenths Midnight to midnight	Date
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	89	75	82	-1	72	0	17		0	0	0	29.97	19	4.7	5.2	21	15			10	9	1
2	90	74	82	-1	73	0	17	3	0	.60	0	29.97	15	4.2	5.8	21	19			10	9	2
3	90	76	83	0	74	0	18		0	0	0	30.02	14	5.1	5.5	17	13			9	6	3
4	90	78	84	1	74	0	19		0	0	0	30.07	14	8.3	9.2	16	12			4	3	4
5	88	75	82	-1	73	0	17	3	0	.89	0	30.08	16	3.1	4.2	17	22			8	7	5
6	90	74	82	-1	73	0	17	3	0	.01	0	30.03	07	.9	4.3	10	24			6	6	6
7	88	73	81	-3	71	0	16	3	0	.05	0	30.02	06	1.3	5.6	10	10			10	8	7
8	88	73	81	-3	72	0	16	3	0	.03	0	30.01	23	1.2	2.6	15	35			9	9	8
9	88	74	81	-3	72	0	16	1 3 8	0	.20	0	29.97	29	.3	4.3	15	29			9	8	9
10	83	73	78	-5	72	0	13	3	0	.73	0	29.96	19	2.4	4.0	17	12			10	9	10
11	90	75	83	0	74	0	18		0	T	0	30.07	12	8.0	8.3	18	12			7	7	11
12	92	82	87*	4	73	0	22		0	0	0	30.13	10	12.5	12.7	18	07			6	5	12
13	92	79	86	3	72	0	21		0	T	0	30.07	09	10.5	10.9	20	08			5	4	13
14	91	73	82	-1	71	0	17		0	.04	0	30.01	16	1.8	7.5	18	27			8	7	14
15	92	74	83	0	70	0	18	3	0	T	0	30.00	06	.5	6.5	21	22			7	8	15
16	90	74	82	-1	72	0	17	3	0	.57	0	30.04	09	5.2	6.3	16	08			9	8	16
17	91	75	83	0	73	0	18		0	.13	0	30.04	08	13.0	13.4	18	06			4	4	17
18	89	78	84	1	73	0	19		0	T	0	30.00	09	10.4	10.9	16	07			6	5	18
19	90	76	83	0	73	0	18		0	T	0	29.96	11	6.1	6.9	16	08			8	8	19
20	89	74	82	-1	72	0	17	3	0	.48	0	29.94	13	2.8	4.8	17	13			9	9	20
21	85	71	78	-5	71	0	13	3	0	.08	0	29.85	12	.8	5.2	20	34			10	10	21
22	90	69*	80	-3	69	0	15	3	0	.05	0	29.80	21	1.3	6.8	13	10			3	4	22
23	92*	73	83	0	72	0	18		0	0	0	29.92	18	4.9	5.9	14	20			4	3	23
24	88	73	81	-2	72	0	16	3	0	.43	0	30.02	19	5.9	6.6	20	22			9	8	24
25	89	73	81	-2	73	0	16		0	.34	0	30.02	11	7.4	8.5	20	13			7	7	25
26	88	79	84	1	73	0	19		0	0	0	30.04	10	9.4	9.8	16	08			9	6	26
27	88	79	84	1	72	0	19		0	T	0	30.05	08	9.5	10.2	17	07			4	4	27
28	88	73	81	-2	72	0	16		0	.05	0	29.99	04	8.2	10.5	22	06			7	6	28
29	82	77	80	-3	74	0	15	3	0	.41	0	29.97	10	10.0	10.5	20	11			9	8	29
30	86	73	80	-3	73	0	15	3	0	.50	0	29.98	08	8.7	10.5	21	09			10	10	30
31	82	73	78*	-5	73	0	13	3	0	1.92	0	30.01	11	7.7	8.1	20	11			10	9	31
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2748	2318				0	526	Number of days		7.51	0	30.00	11	4.6	7.5	22	05		for	236	216	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.									month	Avg.	Avg.	
	88.6	74.8	81.7	-1.3	72	0		≥ .01 inch 19		0.77						Date: 28		Possible		7.6	7.0	

Number of days				Season to date	
Maximum Temp.		Minimum Temp.		Total	Total
≤ 90° ‡	≥ 32°	≥ 32°	≤ 0°	Dep.	Dep.
14	0	0	0	0	2832

Snow, ice pellets: ≥ 1.0 inch 0; Thunderstorms 16; Heavy fog X 0; Clear 1; Partly cloudy 12; Cloudy 18

Greatest in 24 hours and dates			
Precipitation		Snow, ice pellets	
1.97	30-31	0	

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																	.55	.05							1
2																									2
3																									3
4																									4
5											.31	.58	T												5
6																		.01							6
7										T	T												.05		7
8				.02	.01			T	T				T	T	T										8
9	T																			.10	.10				9
10	T	.04	.03	T			T	T	.01	.02	T		.44	.17 T	.02 T	T	T								10
11																									11
12																									12
13													T												13
14						.02	T										.02								14
15																	T	T	T						15
16					T	T	T			.53	.04	T													16
17	.02	.11																							17
18																				T	T				18
19	T	T			T	T																			19
20						.05		.36				.03	T										.03	.01	20
21	T													.06	.02	T									21
22																				.04	.01				22
23																									23
24						.07	.03			T	T	.03	.25	.05											24
25		.34	T																						25
26																									26
27													T	T											27
28	T																.05	T	T						28
29			T			.02	T		.07	.02	.16	T	.03							.11					29
30				.15	.01		.02				.01			.11	.03	T		.02	.10	T		T	.04	.01	30
31	.15	.03	.01						.05	.58	.15	.10	T	T	T	T	.15	.39	.16	.05	.08	.02	T		31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Hoggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES Sky cover Tenths	Station pressure In.	Temperature Air °F	Temperature Wet bulb °F	Temperature Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind Direction	Resultant wind Speed m.p.h.
01	6	30.00	78	74	72	83	4.7	10	3.0
04	5	29.98	77	73	71	84	4.4	09	2.6
07	6	30.00	78	74	72	83	5.5	11	2.2
10	8	30.03	84	76	73	69	10.2	12	7.9
13	8	30.02	85	77	73	67	12.0	12	7.2
16	8	29.98	85	76	72	67	11.0	11	7.1
19	8	29.99	80	74	72	75	7.0	09	3.8
22	7	30.02	79	74	72	81	4.8	11	3.2

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
HEATING DEGREE DAYS – JULY 1, 1973
COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION – JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Nmrs Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	9	300	12			77	74	72	85	00	0
04	3	UNL	10			75	72	71	87	00	0
07	10	140	10			77	74	72	85	20	4
10	10	140	12			83	77	75	77	20	7
13	10	300	12			87	76	72	61	15	10
16	10	140	12			84	76	73	70	20	12
19	10	140	12			79	73	71	77	22	3
22	10	300	12			77	73	71	82	00	0
DAY 02											
01	10	300	12			76	73	72	87	00	0
04	7	300	12			75	72	71	87	00	0
07	10	300	13			78	74	73	85	19	4
10	10	25	13			87	78	74	65	13	12
13	10	300	13			88	79	75	65	13	14
16	10	30	13			85	78	74	63	18	6
19	10	300	12			77	74	72	85	30	4
22	8	UNL	12			78	74	73	85	00	0
DAY 03											
01	6	UNL	12			78	74	73	85	00	0
04	10	300	12			76	74	73	90	00	0
07	10	300	12			81	77	73	82	00	0
10	10	300	12			88	78	74	63	17	10
13	10	300	13			89	78	73	59	15	11
16	10	300	13			90	78	73	57	12	13
19	8	300	13			84	76	73	70	13	4
22	4	UNL	12			81	76	74	79	00	0
DAY 04											
01	1	UNL	12			81	76	74	79	14	5
04	0	UNL	12			81	75	73	77	13	5
07	5	UNL	12			81	76	74	79	24	4
10	7	300	12			88	79	75	65	15	12
13	4	UNL	12			89	78	74	61	12	12
16	4	UNL	13			88	77	73	61	14	13
19	2	UNL	13			84	76	72	67	13	7
22	0	UNL	13			82	76	73	74	12	6
DAY 05											
01	5	UNL	12			79	74	72	79	00	0
04	5	UNL	12			78	74	73	85	00	0
07	8	250	12			80	75	73	79	21	3
10	7	250	12		T	82	75	72	72	19	8
13	10	250	12			81	75	72	74	21	4
16	9	250	12			86	77	73	65	12	8
19	8	250	13			84	77	74	72	11	6
22	8	250	12			81	76	74	79	00	0
DAY 06											
01	7	300	10			79	75	74	85	00	0
04	6	UNL	10			78	74	73	85	27	3
07	1	UNL	8			78	74	72	82	00	0
10	7	300	12			87	78	74	65	00	0
13	9	UNL	12			89	78	74	61	10	9
16	5	UNL	12			88	78	74	63	06	6
19	9	60	7		T	81	74	71	72	36	5
22	7	300	10			75	71	69	82	23	7
DAY 07											
01	2	UNL	10			74	71	69	84	00	0
04	0	UNL	10			74	71	69	84	28	3
07	10	300	10			77	74	72	85	30	5
10	10	28	10		TRW	75	70	68	79	12	8
13	10	250	12			82	76	73	74	04	3
16	9	250	12			86	76	71	61	12	8
19	10	250	12			82	74	71	69	03	7
22	10	250	10			79	74	72	79	29	5
DAY 08											
01	6	300	10			77	74	73	88	00	0
04	9	100	10			74	71	70	87	00	0
07	10	300	12			75	72	70	85	30	3
10	10	300	12			86	76	72	63	00	0
13	10	300	13			84	76	72	67	09	4
16	10	30	12			80	75	73	79	21	5
19	10	300	12			79	75	73	82	24	6
22	7	UNL	12			77	74	73	88	00	0
DAY 09											
01	8	250	10			76	73	72	87	23	5
04	0	UNL	8			74	73	72	94	00	0
07	4	UNL	5		K	75	72	71	87	34	4
10	9	120	12			84	76	73	70	18	4
13	10	250	12			84	76	72	67	35	5
16	10	250	12			86	76	71	61	10	9
19	10	300	12			79	73	71	77	28	4
22	10	300	10			75	72	71	87	00	0
DAY 10											
01	10	100	10		R	76	73	71	85	00	0
04	10	300	10			76	73	72	87	34	3
07	10	100	10		R	76	73	72	87	13	3
10	10	300	8		R	80	76	74	82	00	0
13	10	10	2		TRW	74	71	70	87	24	9
16	10	150	12		R	78	74	72	82	17	4
19	10	250	12			78	73	71	79	17	4
22	5	UNL	12			76	73	71	85	17	5
DAY 11											
01	10	100	12			77	74	72	85	17	4
04	10	100	10			77	74	72	85	00	0
07	10	100	12			78	74	73	85	00	0
10	10	300	8			86	78	75	70	11	13
13	10	150	10			90	79	75	61	12	16
16	10	250	12			89	79	75	63	13	11
19	10	250	12			84	78	75	74	10	7
22	4	UNL	10			84	77	74	72	10	7
DAY 12											
01	0	UNL	8			83	77	74	74	11	12
04	1	UNL	8			83	77	74	74	11	11
07	1	UNL	10			84	77	74	72	10	11
10	1	UNL	12			91	79	75	60	10	12
13	7	300	12			90	79	74	59	09	13
16	8	300	13			89	78	73	59	10	12
19	10	300	10			83	74	70	65	09	10
22	7	300	10			82	75	72	72	09	7
DAY 13											
01	2	UNL	10			82	75	72	72	08	10
04	2	UNL	10			82	74	71	69	09	10
07	7	300	12			83	76	73	72	08	9
10	7	250	12			89	78	73	59	09	13
13	6	250	12			85	78	75	72	14	6
16	5	UNL	12			89	76	71	55	09	13
19	2	UNL	12			84	75	71	65	10	8
22	3	UNL	12			82	74	71	69	11	7
DAY 14											
01	2	UNL	12			81	74	71	72	12	4
04	2	UNL	12			77	73	71	82	00	0
07	5	UNL	12			79	75	73	82	00	0
10	8	300	13			87	78	74	65	12	13
13	9	25	13			90	79	74	59	12	12
16	8	25	13			79	73	71	77	27	16
19	10	300	10			75	69	66	74	36	3
22	10	UNL	10			75	71	69	82	27	4
DAY 15											
01	10	150	10			74	71	69	84	15	3
04	9	120	10			74	71	69	84	32	4
07	3	UNL	13			74	71	69	84	36	4
10	8	25	13			85	77	73	67	15	10
13	7	300	13			92	78	72	52	11	10
16	10	25	10		T	78	71	68	71	31	10
19	10	100	10			75	72	70	85	32	4
22	10	100	10			75	72	70	85	00	0
DAY 16											
01	10	300	10			75	72	70	85	00	0
04	8	300	10			76	73	71	85	34	4
07	8	300	10			77	74	72	85	00	0
10	10	120	5		RW	78	71	68	71	07	10
13	7	120	7			87	78	74	65	13	8
16	9	UNL	7			88	77	73	61	09	10
19	8	UNL	7			83	75	72	70	09	7
22	7	UNL	7			81	75	73	77	10	5
DAY 17											
10	32	6			RW	80	76	74	82	06	16
1	UNL	8				80	75	73	79	10	8
1	UNL	10				82	76	73	74	10	10
1	UNL	13				88	76	71	57	08	13
6	25	13				91	78	73	56	09	15
5	UNL	13				86	77	73	65	09	10
4	UNL	12				82	75	72	72	07	8
3	UNL	12				83	76	73	72	09	13
DAY 18											
3	UNL	12				82	75	73	74	09	9
2	UNL	12				82	75	72	72	07	12
10	300	13				83	75	72	70	07	10
4	UNL	13				87	77	73	63	08	11
5	UNL	13				88	78	74	63	12	11
6	300	13				87	77	73	63	09	10
7	250	13				80	76	73	74	09	8
8	UNL	12				80	76	74	82	12	5
DAY 19											
6	50	10			RW	79	75	73	82	09	4
3	UNL	12				77	74	72	85	00	0
9	35	12				79	75	74	83	18	4
7	25	13				87	78	74	65	11	8
5	UNL	13				90	78	73	57	08	14
10	300	12				85	76	72	65	12	9
10	300	12				82	75	72	72	11	5
10	300	12				80	74	72	77	14	4
DAY 20											
7	UNL	12				79	74	72	79	00	0
10	100	10				76	73	72	87	00	0
9	20	12				76	74	73	90	19	8
6	45	12				84	76	72	67	08	7
10	250	12				80	75	73	79	22	5
10	250	12				82	75	72	72	09	6
10	120	12				81	74	71	72	11	7
10	100	12				78	73	70	77	00	0
DAY 21											
10	150	10				75	73	72	90	26	4
10	150	10				75	73	72	90	00	0
10	90	10				76	73	72	87	00	0
10	100	13				79	73	71	77	12	7
10	38	13			T	78	72	69	74	15	11
10	8	12				74	72	71	90	13	10
10	100	12				74	71	70	87	23	4
8	250	12				72	71	70	93	00	0
DAY 22											
3	UNL	10				71	69	68	90	29	5
3	UNL	10				70	68	67	90	20	3
1	UNL	8				71	69	69	90	24	6
6	120	13				81	75	72	74	24	4
6	30	13				88	73	66	48	24	8
6	30	13				86	74	68	55	09	9
2	UNL	12				82	73	68	63	10	8
3	UNL	12				74	72	71	90	35	4
DAY 23											
3	UNL	10				74	72	71	90	00	0
3	UNL	10				74	72	71	90	17	4
1	UNL	8				75	72	71	87	19	4
6	120	13				85	76	72	65	19	7
6	30	13				89	76	71	55	23	8
6	30	13				87	78	74	65	12	7
2	UNL	12				82	77	75	79	16	6
3	UNL	12				76	73	71	85	16	5
DAY 24											
0	UNL	12				75	72	70	85	16	3
2	UNL	12				74	71	70	87	16	4
6	55	10				77	74	72	85	22	3
8	35	10			TRW	84	77	74	72	18	11
10	25	8			TRW	74	72	71	90	22	17
10	100	10				83	77	74	74	16	8
8	300	10				79	75	73	82	00	0
9	100	10				77	74	73	88	00	0
DAY 25											
10	15	10				78	74	73	85	07	5
5	UNL	10				75	72	71	87	07	10
2	UNL	12				74	71	70	87	00	0
5	UNL	13				85	77	74	70	12	10
4	UNL	13				88	78	74	63	15	10
10	300	13				84	76	72	67	11	9
10	300	13				82	76	73	74	07	5
8	300	12				82	76	73	74	13	10
DAY 26											
1	UNL	12				81	75	73	77	12	7
2	UNL	10				80	74	72	77	11	7
8	300	12				81	75	73	77	10	5
10	300	12				87	78	75	68	13	13
10	300	13				86	77	74	68	09	10
6	300	13				87	76	72	61	09	12
7	300	12				83	75	72	70	10	7
4	UNL	12				81	75	72	74	09	7
DAY 27											
0	UNL	12				80	74	72	77	10	5
2	UNL	12				80	74	72	77	09	7
2	UNL	13				81	74	71	72	08	8
2	UNL	13				86	76	71	61	07	7
8	25	10			RW	84	78	75	74	11	15
5	UNL	13				86	76	71	61	06	12
4	UNL	12				82	74	70	67	05	9
4	UNL	12				81	73	70	69	06	8
DAY 28											
10	300	10				78	74	72	82	02	7
2	UNL	10				74	72	71	90	29	3
4	UNL	13				76	73	72	87	30	5
6	300	13				87	76	71	59	07	14
7	28	13				89	77	72	59	03	15
8	30	13				86	76	72	63	03	13
8	30	10				81	75	73	77	05	10
7	UNL	10				80	75	74	82	10	6
DAY 29											
6	300	10				79	75	73	82	07	6
7	80	10				79	74	72	79	10	7
3	UNL	13				80	75	74	82	10	14
10	90	12				81	77	75	82	12	9
10	80	8				77	75	75	94	13	7
10	300	13				82	76	73	74	08	10
10	300	13				81	75	73	77	09	10
8	300	10				80	75	73	79	11	10
DAY 30											
10	300	10				80	75	73	79	11	9
10	100	8			RW	73	72	71	93	09	10
9	300	13				79	75	74	85	07	10
10	25	13				85	78	75	72	07	13
10	25	13				85	76	72	65	09	18
10	140	10				82	77	73	79	09	7
10	60	8			R	75	74	74	97	30	6
10	60	8			R	75	73	72	90	00	0
DAY 31											
10	19	4			RW	76	74	73	90	12	4
6	100	10				75	74	73	94	00	0
7	300	13				78	74	73	85	10	8
10	14	1			TRW	73	72	72	97	11	10
10	100	8				81	76	74	79	09	13
10	80	10			R	79	75	73	82	09	9
10	70	7			R	74	73	72	94	14	7
10	80	8			R	76	73	72	87	13	5

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 08

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE - MAURICE H. STANS, Secretary
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
PALM BEACH INTERNATIONAL AP
SEPTEMBER 1969

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days (Base 65°) Heating	Cooling	Weather types shown by code 1-9 on dates of occurrence (1 Fog, 2 Heavy Fog X, 3 Thunderstorm, 4 Sleet, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, Blowing Snow, 9 Snow)	Snow, Sleet, or Ice on ground at 07AM (In.)	Precipitation Water equivalent (In.)	Snow, sleet (In.)	Avg. station pressure (In.) - - Elev. 21 feet m.s.l.	Wind Resultant direction	Resultant speed (m.p.h.)	Average speed (m.p.h.)	Fastest mile Speed (m.p.h.)	Fastest mile Direction	Sunshine Hours and tenths	Sunshine Percent of possible	Sky cover (Tenths) Sunrise to sunset	Sky cover (Tenths) Midnight to midnight	Date
1	89	77	83	0	74	0	18		0	.19	0	30.03	10	9.4	11.1	20	09			6	6	1
2	87	76	82	-1	73	0	17		0	0	0	29.97	10	9.7	10.5	15	07			8	7	2
3	88	80	84	1	71	0	19		0	0	0	29.96	08	11.4	11.7	16	09			5	6	3
4	88	72	80	-3	71	0	15	8	0	0	0	29.96	08	8.2	9.1	16	09			5	4	4
5	85	75	80	-3	73	0	15		0	1.08	0	29.96	06	8.0	9.2	18	05			10	8	5
6	82	74	78	-5	73	0	13		0	.10	0	29.92	34	2.1	5.3	12	05			10	10	6
7	87	74	81	-2	73	0	16	1 3	0	.15	0	29.83	21	9.6	10.2	20	22			10	10	7
8	90	76	83	0	74	0	18	3	0	T	0	29.85	25	8.7	10.2	16	26			7	6	8
9	91	72	82	-1	72	0	17	3	0	1.41	0	29.94	24	6.1	7.8	17	08			7	6	9
10	91*	71	81	-2	73	0	16	3	0	.08	0	29.99	24	3.5	5.0	13	31			7	5	10
11	90	72	81	-2	73	0	16	3	0	.20	0	30.01	24	2.1	3.5	13	11			7	6	11
12	85	72	79	-4	72	0	14	8	0	T	0	30.03	27	2.7	5.0	14	25			9	7	12
13	85	72	79	-4	72	0	14	3	0	.63	0	30.02	07	1.3	7.5	16	17			10	9	13
14	80	72	76	-7	71	0	11	3	0	1.10	0	30.00	06	6.6	10.1	17	06			10	10	14
15	86	72	79	-4	72	0	14	3	0	1.25	0	29.96	08	6.1	8.1	16	08			9	9	15
16	87	73	80	-2	73	0	15		0	T	0	29.91	11	4.9	5.9	13	07			9	7	16
17	86	74	80	-2	74	0	15	3	0	1.96	0	29.93	12	5.9	6.9	23	10			10	8	17
18	87	75	81	-1	75	0	16	3	0	.07	0	29.95	10	11.9	12.2	20	09			10	9	18
19	88	78	83	1	75	0	18		0	.02	0	29.96	10	13.5	13.7	23	12			8	7	19
20	86	77	82	0	75	0	17		0	.33	0	29.95	12	12.6	13.2	20	12			9	6	20
21	88	79	84	2	74	0	19		0	T	0	29.94	12	11.2	11.4	17	12			7	6	21
22	88	75	82	0	74	0	17	3	0	.06	0	29.91	11	6.2	7.5	15	13			9	8	22
23	88	74	81	-1	74	0	16	3 8	0	.31	0	29.87	14	.9	2.6	14	11			7	6	23
24	88	70	79	-3	73	0	14	1 3 8	0	2.35	0	29.80	16	3.5	5.5	35	31			8	6	24
25	88	70*	79	-3	71	0	14	1	0	0	0	29.80	27	2.0	5.6	15	27			7	7	25
26	89	73	81	-1	72	0	16	3 8	0	T	0	29.84	05	4.1	4.9	15	06			7	8	26
27	88	75	82	0	70	0	17		0	T	0	29.87	03	9.7	10.8	17	03			10	9	27
28	81	73	77	-4	72	0	12	3	0	2.36	0	29.81	02	6.5	7.6	21	04			10	9	28
29	81	74	78	-3	73	0	13	3	0	.30	0	29.72	06	4.9	6.3	12	02			10	9	29
30	89	73	81	0	73	0	16	3	0	.59	0	29.70	14	7.4	7.9	23	25			6	5	30
	Sum 2606	Sum 2220				Total 0	Total 468	Number of days		Total 14.56	Total 0	For the month: 29.91	10	3.8	8.2	35	31	Total	% for	Sum 247	Sum 219	
	Avg. 86.9	Avg. 74.0	Avg. 80.5	Dep. -1.6	Avg. 73	Dep. 0	Dep.	Precipitation ≥ .01 inch 20		Dep. 4.90						Date: 24		Possible	month	Avg. 8.2	Avg. 7.3	
						Season to date		Snow, sleet ≥ 1.0 inch 0														
	Number of days					Total	Total	Thunderstorms 17		Greatest in 24 hours and dates								Greatest depth on ground of				
	Maximum Temp.		Minimum Temp.			0	2869	Heavy fog X 0		Precipitation		Snow, Sleet						snow, sleet or ice and date				
	≥ 32°	≤ 90° ‡	≥ 32°	≤ 0°		Dep.	Dep.			2.43	23-24	0						0				
	0	4	0	0		0																

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1								T														.19			1
2																									2
3																									3
4																									4
5							T	T	T	.08	.34	.02				T	.04	.02	.02	T	T	T		.56	5
6	.01	T	.01	.02					.01	.01	.04	T	T	T										T	6
7																T		.02	.13	T					7
8										T									T	T					8
9																T	.65	.02	.58	.15	.01				9
10																		.07	.01						10
11															.15	.05									11
12												T	T	T	T	T	T				T	T			12
13							.22						.02	.32	.06	.01	T								13
14			.73	T	.10	.06	.05		T	.11	.05	T	T	T	T	T	T								14
15				.64	.53	.07	.01																		15
16								T																	16
17	.05	.02			.09	.03	.01		.62			T	T	.04									.98	.11	17
18	T		T	T				T	.07																18
19				T	T				T						T								.02		19
20								T		.02		T	T		.20		.13								20
21					T																		T		21
22										T							.01	.05	T						22
23													.09	T		T	.13	.05	.04	T					23
24														1.30	.76	.15	.12	.02							24
25																									25
26																	T	T	T						26
27																								T	27
28			.03	.03	T		.25	.02	.05	T	.20	.32	.01	T						.42	.79	.16	.08	T	28
29		T						T	T	.17	T		.10	T	.03	T									29
30														.59	T										30

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.

Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $1.00 per year including annual Summary if published. Single copy: 10 cents for monthly Summary; 15 cents for annual Summary. Checks or money orders should be made payable and remittances and correspondence should be sent to the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

I certify that this is an official publication of the Environmental Science Services Administration, and is compiled from records on file at the National Weather Records Center, Asheville, North Carolina 28801.

William S. Haggard

Director, National Weather Records Center

SUMMARY BY HOURS

Hour (Local time)	Averages: Sky cover (in tenths)	Station pressure (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Wind speed (m.p.h.)	Resultant wind: Direction	Resultant wind: Speed (m.p.h.)
01	6	29.91	77	74	87	73	6.8	12	3.6
04	5	29.88	76	73	88	72	6.2	12	2.2
07	7	29.92	76	74	88	73	5.6	12	1.6
10	8	29.95	83	77	74	74	10.3	09	3.9
13	9	29.92	85	77	70	74	11.6	10	5.6
16	9	29.89	82	76	74	73	10.7	09	7.4
19	8	29.90	79	74	80	72	7.2	10	3.4
22	7	29.93	78	74	84	73	7.1	11	3.3

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER (Tenths)	CEILING (Hnds. of ft.)	VISIBILITY (Miles)	WEATHER	DRY BULB (°F)	WET BULB (°F)	REL. HUM. (%)	DEW PT. (°F)	WIND DIR.	WIND SPEED (Knots)
DAY 01										
01	6	CIR	12		80	75	85	75	11	8
04	4	UNL	12		82	77	79	75	10	11
07	7	CIR	15		82	76	77	74	11	8
10	7	CIR	15		87	78	68	75	09	15
13	6	CIR	15		89	80	65	76	11	11
16	4	UNL	15		87	78	65	74	11	12
19	6	UNL	15		83	76	72	73	07	7
22	9	80	12		77	74	88	73	29	5
DAY 02										
01	7	UNL	12		77	75	91	74	19	4
04	4	UNL	12		78	74	85	73	10	5
07	5	UNL	15		81	75	77	73	10	11
10	7	CIR	15		85	77	70	74	09	12
13	10	CIR	15		87	78	65	74	10	12
16	9	UNL	15		86	76	61	71	10	10
19	9	UNL	15		81	73	69	70	07	7
22	7	CIR	15		82	75	72	72	09	12
DAY 03										
01	10	CIR	15		81	74	72	71	09	8
04	10	UNL	15		81	75	74	72	10	11
07	9	30	10		81	74	72	71	08	11
10	4	UNL	10		85	75	53	70	07	11
13	4	UNL	7		87	75	57	70	08	8
16	2	UNL	7		86	75	59	72	09	14
19	7	UNL	7		81	73	69	70	05	8
22	6	UNL	7		81	73	69	70	08	10
DAY 04										
01	4	UNL	7		80	73	72	73	10	7
04	2	UNL	7		74	71	87	70	31	3
07	5	UNL	5	K	75	72	87	71	00	0
10	5	UNL	6	KH	87	77	63	73	09	12
13	7	UNL	10		88	76	57	71	07	11
16	4	UNL	10		86	76	63	72	08	10
19	3	UNL	10		82	75	72	72	09	10
22	2	UNL	10		82	75	72	72	08	10
DAY 05										
01	0	UNL	10		80	73	79	73	07	5
04	0	UNL	10		76	73	87	72	30	4
07	1	CIR	12	R	90	75	79	73	07	11
10	5	CIR	12	RW	79	75	85	74	04	7
13	7	CIR	12		81	77	82	75	07	13
16	4	CIR	12	RW	83	75	79	73	09	9
19	3	CIR	12	R	79	74	90	73	06	10
22	2	UNL	10		76	75	94	74	05	5
DAY 06										
01	10	100	10	R	75	74	94	73	01	3
04	10	100	10		75	74	94	73	29	4
07	10	100	10		75	74	94	73	28	5
10	10	90	7	R	76	75	97	75	34	5
13	10	18	12	R	79	75	85	74	00	0
16	9	CIR	15		81	76	79	74	05	10
19	9	CIR	15		78	74	82	72	05	3
22	7	30	10		75	73	90	72	23	7
DAY 07										
01	10	CIR	8		74	73	94	72	18	3
04	10	100	7		74	73	94	72	22	6
07	10	5	10		75	74	97	74	22	8
10	10	20	15		81	75	77	73	23	13
13	10	33	15		86	76	63	72	22	17
16	10	CIR	12		77	74	85	72	17	8
19	10	20	12	RW	77	74	88	73	20	10
22	7	CIR	12		77	73	91	74	19	6
DAY 08										
01	0	UNL	12		77	75	91	74	21	10
04	0	UNL	12		76	75	94	74	20	7
07	1	CIR	12		78	76	91	75	24	7
10	10	20	12		82	76	77	74	25	13
13	9	CIR	15		89	79	63	75	30	9
16	5	UNL	15		88	77	61	73	28	10
19	3	UNL	12	TRW	82	74	69	71	26	9
22	0	UNL	12		79	73	82	73	22	6
DAY 09										
01	0	UNL	12		77	74	88	73	24	8
04	0	UNL	10		76	74	90	73	23	5
07	1	UNL	7		76	75	94	74	27	5
10	8	23	15		85	77	70	74	25	8
13	8	40	15		89	77	57	72	30	9
16	10	25	12	T	81	74	72	71	14	4
19	10	20	3	TRW	74	71	87	70	21	10
22	9	CIR	8		74	72	90	71	24	5
DAY 10										
01	0	UNL	10		75	73	90	72	23	6
04	0	UNL	10		73	72	93	71	00	0
07	1	UNL	8		74	73	94	72	00	0
10	8	23	15		85	78	72	75	30	4
13	8	30	15		90	79	59	74	25	8
16	9	CIR	12		89	78	61	74	21	9
19	9	CIR	10		76	74	90	73	36	4
22	2	UNL	10		74	73	97	73	19	4
DAY 11										
01	3	UNL	10		74	72	90	71	23	3
04	0	UNL	10		74	73	94	72	23	6
07	4	UNL	8		74	73	94	72	00	0
10	8	UNL	10		85	77	70	74	28	7
13	8	CIR	10		90	79	61	75	28	3
16	9	32	8	T	80	77	88	76	13	5
19	10	100	10		77	74	85	72	00	0
22	5	UNL	12		77	74	88	73	00	0
DAY 12										
01	0	UNL	10		75	74	94	73	00	0
04	0	UNL	8		74	72	90	71	29	4
07	4	UNL	10		74	72	90	71	00	0
10	10	70	12		84	78	74	75	20	9
13	10	120	10		82	75	72	72	25	8
16	10	120	3	RK	77	74	88	73	30	6
19	10	CIR	5	K	76	73	87	72	34	5
22	10	100	5	K	76	73	87	72	06	3
DAY 13										
01	10	100	8	T	76	73	85	71	08	8
04	3	UNL	12		74	71	87	70	36	3
07	10	23	12		75	73	90	72	31	5
10	10	CIR	12		84	78	74	75	36	7
13	10	10	2	TRW	74	72	90	71	17	14
16	10	100	7	R	75	73	90	72	36	5
19	10	100	12		75	72	87	71	11	6
22	10	100	12		76	74	90	73	25	4
DAY 14										
01	10	100	12		76	73	87	72	25	3
04	10	45	8	R	72	71	93	70	11	5
07	10	85	12		72	71	93	70	32	8
10	10	70	6	TR	74	73	94	72	02	11
13	10	80	6	R	76	73	87	72	06	15
16	10	80	10	R	78	74	82	72	09	11
19	10	100	12		77	72	79	70	09	7
22	10	100	12		77	72	79	70	10	10
DAY 15										
01	8	100	12		74	72	90	71	00	0
04	10	40	2	TRW	72	70	90	69	12	9
07	10	100	8		72	71	93	70	01	4
10	9	120	15		81	75	77	73	06	8
13	9	120	15		85	78	72	75	09	12
16	10	CIR	15		82	76	74	73	08	14
19	10	CIR	12		80	74	77	72	11	5
22	7	23	12		76	73	87	72	28	4
DAY 16										
01	5	UNL	12		75	73	90	72	25	3
04	0	UNL	10		75	73	90	72	09	4
07	7	CIR	12		73	73	90	72	00	0
10	8	CIR	15		85	78	72	73	09	8
13	8	CIR	15		87	78	68	75	10	8
16	10	CIR	12		84	77	72	74	11	9
19	8	CIR	12		80	75	79	73	15	3
22	8	UNL	12		79	75	85	74	12	6
DAY 17										
T					78	75	88	74	10	4
					76	75	94	74	30	3
					76	74	90	73	00	0
					84	78	74	75	14	8
					84	78	77	76	11	6
					85	78	72	75	12	14
					81	75	77	73	11	6
					81	76	79	74	11	7
DAY 18										
					76	74	90	73	09	8
					79	75	83	74	12	10
					81	76	79	74	11	10
					85	78	72	75	11	15
					87	80	72	77	10	14
					83	78	80	76	08	11
					82	76	77	74	13	5
					82	76	77	74	11	12
DAY 19										
01	6	20	12		82	76	77	74	09	12
04	8	17	8	RW	80	76	82	74	10	13
07	7	CIR	12		81	76	79	74	10	12
10	8	17	12		85	78	75	76	09	13
13	10	CIR	12		86	79	72	76	11	12
16	9	CIR	12		84	78	74	75	11	11
19	8	CIR	12		82	76	77	74	10	9
22	5	UNL	12		82	77	79	75	11	13
DAY 20										
01	3	UNL	10		81	76	79	74	12	17
04	2	UNL	10		81	76	79	74	12	10
07	8	25	10		81	76	79	74	16	15
10	6	CIR	15		85	78	72	75	12	8
13	10	19	10		84	78	74	75	11	13
16	8	UNL	12		86	79	75	77	10	10
19	7	UNL	12		81	76	79	74	11	9
22	5	UNL	12		81	76	79	74	12	10
DAY 21										
01	7	23	12		81	76	79	74	12	13
04	3	UNL	12		80	76	82	74	12	8
07	9	UNL	12		80	76	82	74	14	7
10	7	UNL	12		86	79	72	76	12	15
13	7	UNL	12		88	79	65	75	12	12
16	5	UNL	15		86	77	68	74	14	10
19	5	UNL	15		82	76	77	74	11	8
22	4	UNL	12		81	76	79	74	13	6
DAY 22										
01	10	UNL	12		81	76	79	74	10	9
04	8	100	12		78	74	85	73	13	6
07	9	CIR	15		77	74	88	73	13	4
10	10	100	15		85	77	70	74	12	7
13	9	CIR	15		88	79	68	76	12	9
16	10	CIR	15		83	76	72	73	09	10
19	10	CIR	10		79	76	88	75	12	3
22	5	UNL	10		77	76	94	75	33	4
DAY 23										
01	1	UNL	12		76	75	94	74	00	0
04	5	UNL	12		75	74	94	73	27	4
07	1	UNL	15		74	73	97	73	00	0
10	7	23	15		85	78	72	75	00	0
13	8	100	15	RW	81	77	82	75	11	8
16	10	CIR	15	TR	81	76	79	74	11	3
19	10	CIR	8	R	77	76	94	75	24	3
22	10	CIR	12		77	76	94	75	00	0
DAY 24										
01	7	CIR	10		75	74	97	74	00	0
04	3	UNL	10		75	74	94	73	00	0
07	2	UNL	5	GFK	75	74	94	73	19	3
10	8	25	15		82	77	79	75	22	5
13	9	28	15		85	78	72	75	11	11
16	10	120	8	R	71	70	97	70	11	7
19	9	120	12		73	72	93	71	21	7
22	9	38	12		73	72	93	71	21	5
DAY 25										
01	0	UNL	12		74	72	90	71	23	6
04	6	UNL	10		73	71	90	70	24	4
07	7	20	1	8 GF	73	72	93	71	24	4
10	8	23	12		82	75	72	72	32	7
13	8	30	8		85	75	61	70	28	8
16	5	UNL	10		83	75	67	71	08	7
19	3	UNL	8		79	73	77	71	11	3
22	10	CIR	8		77	73	82	71	00	0
DAY 26										
01	10	CIR	8		76	73	85	71	09	0
04	8	CIR	8		74	71	87	70	00	0
07	2	UNL	7		75	73	90	72	00	0
10	5	UNL	8		86	76	61	71	07	7
13	10	CIR	8		89	76	55	71	06	13
16	10	100	10	T	82	75	72	72	05	8
19	10	CIR	8		79	75	85	74	31	3
22	10	CIR	12		77	75	91	74	35	3
DAY 27										
01	7	CIR	8		77	75	91	74	31	5
04	10	120	10		76	73	87	72	36	6
07	10	100	10		75	73	90	72	35	5
10	10	100	12		85	74	59	69	04	11
13	10	100	12		87	74	53	68	03	14
16	10	100	12		85	73	55	67	04	14
19	10	CIR	12		82	74	67	70	04	13
22	10	120	12		80	72	67	68	06	7
DAY 28										
01	5	UNL	12		78	74	82	72	07	5
04	10	100	10	R	75	73	90	72	32	5
07	10	75	7	RW	76	73	87	72	00	0
10	10	80	12		81	76	79	74	04	6
13	10	80	8	RW	77	75	91	74	36	9
16	10	80	12		80	74	77	72	04	10
19	10	100	12		78	73	79	71	34	5
22	10	38	3	RW	74	72	90	71	04	13
DAY 29										
01	8	100	12		76	73	87	72	09	10
04	8	18	12		77	74	85	72	07	7
07	10	18	15	RW	75	73	90	72	29	4
10	10	15	10		78	75	88	74	04	4
13	10	15	12	TRW	77	74	88	73	07	8
16	10	CIR	12		81	75	77	73	02	7
19	10	CIR	12		78	74	82	72	05	4
22	10	UNL	12		76	73	87	72	00	0
DAY 30										
01	9	CIR	12		79	75	85	74	11	9
04	10	100	10		74	72	90	71	00	0
07	10	100	10		75	74	94	73	00	0
10	6	28	15		85	76	65	72	17	13
13	7	CIR	15	T	85	77	67	73	14	8
16	7	UNL	12		86	78	70	75	12	11
19	5	UNL	12		82	76	77	74	13	7
22	1	UNL	15		82	76	77	74	15	7

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.
CIR indicates a cirriform cloud ceiling of unknown height.

WEATHER COLUMN—

•	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
E	Sleet
A	Hail
AP	Small hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm or microfiche copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Weather Records Center, Federal Building, Asheville, N. C. 28801

STATION: WEST PALM BEACH FLA YEAR & MONTH: 69 09

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
OCTOBER 1973

Latitude 26° 41' N Longitude 80° 06' W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation: Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. - Elev. 21 feet m.s.l.	Wind: Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Fastest mile: Direction	Sunshine: Hours and tenths	Sunshine: Percent of possible	Sky cover Tenths: Sunrise to sunset	Sky cover Tenths: Midnight to midnight	Date
1	87	76	82	1	69	0	17		0	0	0	30.06	08	10.4	10.6	14	10			5	5	1
2	87	77	82	1	68	0	17		0	.13	0	30.03	07	9.9	10.4	24	07			4	4	2
3	85	76	81	0	70	0	16		0	1.08	0	29.93	05	8.1	8.9	16	09			7	7	3
4	83	73	78	-2	72	0	13	3	0	.10	0	29.88	09	2.6	2.6	9	08			9	8	4
5	87	73	80	0	72	0	15		0	0	0	29.92	35	3.0	5.0	9	07			3	2	5
6	87	75	81	1	72	0	16		0	T	0	29.93	03	6.7	8.6	16	05			3	3	6
7	89*	74	82*	2	71	0	17	3	0	2.21	0	29.92	12	3.6	5.9	18	32			7	6	7
8	86	73	80	0	71	0	15	3	0	.81	0	29.95	04	1.4	7.6	15	09			7	9	8
9	85	71	78	-2	70	0	13	3	0	.59	0	29.94	04	3.7	5.9	15	03			8	7	9
10	85	70	78	-1	68	0	13	3	0	.85	0	29.89	04	6.9	8.2	29	04			7	5	10
11	85	74	80	1	66	0	15	3	0	.30	0	29.91	07	13.3	13.4	23	07			7	6	11
12	84	75	80	1	63	0	15		0	.08	0	30.01	07	17.8	18.0	26	07			5	4	12
13	84	75	80	1	63	0	15		0	0	0	30.07	08	16.2	16.4	20	08			2	3	13
14	85	77	81	2	67	0	16		0	0	0	30.06	07	13.7	13.8	18	08			6	6	14
15	84	73	79	0	64	0	14		0	0	0	30.02	08	8.4	8.6	15	09			3	2	15
16	83	68	76	-2	66	0	11		0	0	0	29.94	09	3.8	4.8	12	09			3	2	16
17	84	67	76	-2	67	0	11		0	0	0	29.91	05	5.6	5.8	15	07			4	4	17
18	84	75	80	2	68	0	15		0	0	0	29.90	07	13.3	13.5	21	06			9	8	18
19	84	75	80	2	71	0	15		0	.17	0	29.81	05	16.0	16.7	25	04			9	8	19
20	85	76	81	4	73	0	16		0	.56	0	29.76	03	16.0	16.4	23	05			7	7	20
21	86	76	81	4	72	0	16		0	.08	0	29.80	04	17.1	17.4	23	06			8	8	21
22	85	77	81	4	70	0	16		0	T	0	29.86	04	19.0	19.4	25	03			8	7	22
23	84	71	78	1	68	0	13		0	.01	0	29.83	01	11.9	13.8	22	05			7	6	23
24	83	68	76	-1	64	0	11		0	0	0	29.83	33	12.5	13.7	20	33			2	1	24
25	83	66	75	-2	64	0	10		0	0	0	29.86	31	11.3	12.2	21	32			4	2	25
26	83	65	74	-2	65	0	9	1	0	0	0	29.94	35	6.5	8.3	15	36			2	2	26
27	82	65	74	-2	61	0	9		0	0	0	30.02	07	4.6	6.8	14	05			2	2	27
28	83	62	73	-3	64	0	8		0	T	0	30.01	11	5.1	5.8	13	13			6	5	28
29	81	61	71	-5	61	0	6	1	0	T	0	29.92	29	6.9	8.6	14	31			1	3	29
30	75	54	65*	-11	50	0	0		0	0	0	29.95	30	7.8	9.1	18	29			1	1	30
31	83	54*	69	-7	57	0	4		0	0	0	29.87	20	5.2	6.3	15	23			2	4	31
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2610	2192				0	397	Number of days		6.97	0	29.93	05	6.8	10.4	29	04		for	158	147	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.						Date:	10	Possible	month	Avg.	Avg.	
	84.2	70.7	77.5	-0.7	67	0		≤ .01 inch	13	-0.99										5.1	4.7	

Number of days: Maximum Temp. ≤ 90°‡	≥ 32°	Minimum Temp. ≤ 32°	≥ 0°	Season to date: Heating Total	Cooling Total	Snow, ice pellets ≤ 1.0 inch	Thunderstorms	Heavy fog X	Clear	Partly cloudy	Cloudy	Greatest in 24 hours and dates: Precipitation	Snow, ice pellets	Greatest depth on ground of snow, ice pellets or ice and date
0	0	0	0	0	3746	0	6	0	11	14	6	2.77 7- 8	0	0
				Dep.	Dep.									
				0										

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																									1
2																		.13							2
3		.40									T	T		.13					.30	.23			.02		3
4	.02											.04	.04	T								T	T		4
5																									5
6		T																	T						6
7	T		T										T	.85	1.20	T			T	T	T	.03	.05	.08	7
8	.09	.03	.01	.05	.33	.05										.10	.01	.02	.04	T	.02	.03	.03		8
9			.05	.04	T								.07	.42											9
10		.05	T					.13	T									.65		.02	T				10
11							T	.03	.17	T	.06	.01			.01					T	.02	T			11
12											T	T				.08	T								12
13																									13
14																									14
15																									15
16																									16
17																									17
18																									18
19							T	.05	T	T	T		T	T							.11	.01			19
20		T		.09	.20	.01			.01	.02	T		.01		.04			.01	T		.13		.04	T	20
21		.01	.07	T	T						T								T				T		21
22			T	T							T		T	T				T							22
23				T												T	.01								23
24																									24
25																									25
26																									26
27																									27
28																								T	28
29	T																								29
30																									30
31																									31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≤ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

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I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	4	29.93	74	69	66	77	8.9	05	4.8
04	4	29.90	73	68	66	80	7.9	04	5.0
07	4	29.93	73	68	66	79	8.8	03	5.3
10	5	29.96	82	72	68	63	12.0	05	7.7
13	6	29.93	82	72	67	60	13.6	05	10.2
16	5	29.90	82	72	67	61	12.1	05	8.2
19	5	29.92	77	70	67	72	9.6	05	7.0
22	4	29.94	75	70	67	75	10.2	05	6.4

USCOMM — NOAA — ASHEVILLE 300

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
HEATING DEGREE DAYS - JULY 1, 1973
COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION - JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Hndrds Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	0	UNL	12			79	71	67	67	09	7
04	3	UNL	12			77	70	67	71	09	6
07	2	UNL	12			79	71	67	67	08	8
10	4	UNL	13			85	75	70	61	07	11
13	5	UNL	13			85	75	71	63	07	11
16	9	100	13			84	74	70	63	07	10
19	8	33	12			81	73	69	67	07	11
22	5	UNL	12			80	72	68	67	10	10
DAY 02											
01	4	UNL	12			80	71	67	65	08	11
04	3	UNL	12			78	71	68	71	06	6
07	2	UNL	13			79	70	66	65	09	10
10	4	UNL	13			85	73	68	57	10	10
13	3	UNL	13			85	73	67	53	06	13
16	6	300	13			85	74	69	59	05	6
19	8	300	12			80	74	71	74	06	7
22	2	UNL	12			80	73	70	72	06	9
DAY 03											
01	8	31	12			80	73	69	69	04	9
04	8	25	12			78	73	70	77	06	8
07	3	UNL	13			79	73	70	74	06	8
10	5	UNL	13			83	74	70	65	05	8
13	8	25	13			84	75	71	65	05	12
16	9	100	12			81	74	71	72	03	9
19	8	50	8		RW	77	73	71	82	05	5
22	8	50	8			76	73	71	85	29	3
DAY 04											
01	5	UNL	10			76	73	72	87	00	0
04	2	UNL	10			74	72	71	90	00	0
07	6	85	10			75	72	71	87	00	0
10	9	15	13			81	75	72	74	00	0
13	10	100	12		R	80	75	73	79	08	5
16	10	100	13			82	75	72	72	10	6
19	10	300	13			79	74	72	79	09	4
22	10	35	12			78	74	73	85	00	0
DAY 05											
01	3	UNL	10			76	73	72	87	29	4
04	0	UNL	10			74	72	71	90	00	0
07	0	UNL	10			75	72	71	87	31	5
10	2	UNL	13			84	76	73	70	34	2
13	5	UNL	13			85	77	73	67	07	8
16	2	UNL	13			86	77	73	65	04	5
19	0	UNL	12			82	76	73	74	35	6
22	1	UNL	12			78	74	73	85	29	5
DAY 06											
01	0	UNL	12			77	74	72	85	29	5
04	4	UNL	12			77	74	72	85	32	5
07	1	UNL	13			76	73	71	85	00	0
10	4	UNL	13			86	75	72	63	07	10
13	3	UNL	13			87	76	72	61	04	11
16	3	UNL	13			86	75	72	63	02	10
19	4	UNL	12			81	75	73	77	04	10
22	3	UNL	12			81	75	72	74	05	9
DAY 07											
01	1	UNL	12			81	74	71	72	04	7
04	5	UNL	10			75	72	71	87	00	0
07	1	UNL	13			75	72	71	87	26	4
10	7	20	13			86	77	73	65	20	4
13	9	38	12		RW	86	77	73	65	13	8
16	9	80	13			79	71	69	79	00	0
19	10	20	12		TRW	79	74	72	79	12	8
22	10	45	7		TRW	78	73	70	77	12	10
DAY 08											
01	10	23	7		TRW	76	73	71	85	28	5
04	10	23	7		R	76	73	71	85	31	6
07	10	80	10			75	72	70	85	32	4
10	4	UNL	13			83	75	72	70	12	7
13	4	UNL	13			86	76	72	63	11	11
16	10	20	12			81	75	72	74	11	8
19	10	25	8		TRW	77	74	72	85	00	0
22	10	20	7		TRW	74	71	69	84	33	12
DAY 09											
01	9	120	10			73	70	69	87	26	5
04	9	300	8		RW	73	70	68	84	05	4
07	3	UNL	12			74	71	69	84	36	5
10	8	22	13			83	75	72	70	06	6
13	9	250	13		TRW	76	71	69	79	12	5
16	9	250	12			83	74	70	65	05	8
19	9	250	12			78	73	71	79	36	3
22	6	30	12			78	73	70	77	05	5
DAY 10											
01	3	UNL	12			73	71	70	90	00	0
04	3	UNL	12			71	68	67	87	35	3
07	4	UNL	12			73	70	68	84	29	3
10	6	100	13			82	74	70	67	07	12
13	6	28	13			84	73	68	59	04	9
16	8	30	13			84	73	68	59	01	12
19	4	UNL	10			76	71	68	76	06	9
22	4	UNL	10			75	70	67	76	05	9
DAY 11											
01	1	UNL	10			78	70	66	67	07	13
04	3	UNL	10			77	69	65	67	07	12
07	10	33	10		RW	77	70	67	71	07	8
10	7	300	12			81	72	68	65	06	6
13	8	28	13			84	73	67	57	06	12
16	3	UNL	13			82	73	68	63	07	11
19	3	UNL	13			79	70	65	62	08	11
22	4	UNL	10			78	70	65	64	07	20
DAY 12											
01	2	UNL	10			78	68	63	60	08	15
04	4	UNL	10			78	68	63	60	07	15
07	1	UNL	10			77	67	62	60	06	13
10	3	UNL	12			82	69	62	51	08	13
13	8	100	12			84	70	63	49	06	20
16	10	38	10		RW	79	69	66	71	07	15
19	4	UNL	12			78	68	63	60	06	17
22	4	UNL	12			78	68	63	60	08	17
DAY 13											
01	5	UNL	12			77	67	62	60	08	17
04	7	60	12			77	67	61	58	08	14
07	4	UNL	13			77	67	62	60	09	13
10	1	UNL	13			82	70	63	53	07	14
13	0	UNL	13			83	69	62	49	09	14
16	1	UNL	13			82	71	65	56	07	14
19	3	UNL	13			79	70	66	65	07	13
22	0	UNL	13			79	70	65	64	08	15
DAY 14											
01	7	60	12			78	71	67	69	08	14
04	10	100	12			78	71	67	69	07	12
07	8	33	13			79	72	69	72	07	15
10	7	38	13			83	73	69	63	08	11
13	6	60	13			83	73	68	61	08	16
16	3	UNL	13			83	72	67	59	08	10
19	4	UNL	12			79	70	66	65	06	10
22	4	UNL	10			78	70	65	64	07	8
DAY 15											
01	0	UNL	12			77	69	65	67	10	7
04	1	UNL	12			74	68	65	74	08	5
07	6	40	12			77	68	63	62	08	9
10	3	UNL	13			83	71	64	53	09	13
13	3	UNL	13			83	70	63	51	09	5
16	1	UNL	13			82	70	64	55	03	10
19	1	UNL	12			77	69	64	64	06	5
22	1	UNL	12			76	69	66	71	08	6
DAY 16											
01	5	UNL	12			76	69	66	71	10	4
04	0	UNL	12			68	66	65	90	00	0
07	3	UNL	12			70	68	67	90	31	3
10	6	33	13			82	73	68	63	06	5
13	3	UNL	13			82	71	66	58	09	9
16	0	UNL	13			82	71	65	56	11	9
19	0	UNL	12			76	68	63	64	11	3
22	0	UNL	12			71	67	64	79	00	0
DAY 17											
01	0	UNL	12			68	65	64	87	00	0
04	0	UNL	12			67	65	64	90	00	0
07	0	UNL	12			69	66	65	87	00	0
10	4	UNL	13			82	73	68	63	04	3
13	3	UNL	13			83	73	69	63	03	10
16	3	UNL	13			82	72	67	61	05	10
19	3	UNL	12			79	71	67	67	05	8
22	3	UNL	12			78	71	68	71	06	9
DAY 18											
01	0	UNL	12			77	70	66	69	08	9
04	0	UNL	12			77	70	67	71	07	8
07	0	UNL	12			77	70	67	71	07	10
10	9	300	13			83	73	68	61	07	11
13	9	300	13			84	73	68	59	05	12
16	10	300	13			82	73	68	63	07	13
19	10	300	12			80	74	71	74	08	13
22	10	100	12			80	73	69	69	06	18
DAY 19											
01	10	300	12			78	72	69	74	07	14
04	7	300	12			78	73	70	77	05	17
07	10	28	10		RW	78	73	71	79	02	13
10	9	25	13		RW	81	73	69	67	03	17
13	10	20	10		RW	80	74	72	77	04	14
16	10	100	13			81	75	72	74	07	18
19	6	25	12			80	74	72	77	04	13
22	1	UNL	10			77	74	72	85	05	10
DAY 20											
01	10	33	10			78	74	72	82	05	17
04	10	33	6		RW	77	73	71	82	03	18
07	10	19	10			78	73	71	79	02	11
10	9	19	12		RW	82	76	74	77	03	12
13	10	28	13			82	77	75	79	04	15
16	10	100	13			82	76	73	74	05	17
19	7	19	8			77	74	73	88	01	12
22	10	80	10			78	74	73	85	03	12
DAY 21											
01	10	25	10			78	74	73	85	01	8
04	9	60	8			79	75	73	82	03	12
07	10	60	10			79	74	72	79	04	15
10	9	25	13			84	76	73	70	03	17
13	7	25	12			84	76	72	67	04	20
16	6	28	12			83	75	72	70	04	14
19	8	30	12			81	75	72	74	05	16
22	5	UNL	12			80	74	71	74	05	19
DAY 22											
01	5	UNL	10			79	73	71	77	04	14
04	7	85	8			78	73	71	79	05	15
07	5	UNL	10			79	73	70	74	04	17
10	9	25	12			83	75	71	67	03	22
13	8	60	12			82	74	70	67	02	17
16	9	28	12			83	75	71	67	02	18
19	7	60	12			80	73	70	72	04	15
22	5	UNL	10			80	72	68	67	04	17
DAY 23											
01	3	UNL	10			79	72	68	69	03	13
04	8	60	8			77	72	70	79	02	10
07	5	UNL	10			79	72	69	72	02	10
10	6	28	12			83	73	68	61	04	17
13	10	33	10			82	73	68	63	04	16
16	8	60	10		RW	80	72	68	67	34	12
19	6	80	10			75	69	65	71	34	10
22	1	UNL	10			72	67	65	79	30	8
DAY 24											
01	0	UNL	8			71	68	67	87	31	9
04	0	UNL	7			70	67	66	87	31	9
07	0	UNL	7			69	66	65	87	30	13
10	0	UNL	13			80	71	67	65	32	16
13	5	UNL	13			82	70	64	55	33	16
16	1	UNL	12			81	68	61	51	35	11
19	0	UNL	12			72	65	61	68	35	11
22	0	UNL	10			69	63	60	73	29	10
DAY 25											
01	0	UNL	10			67	63	61	81	29	9
04	4	UNL	10			66	63	61	84	27	8
07	6	55	10			69	64	61	76	30	10
10	0	UNL	12			78	68	63	60	32	18
13	7	38	12			80	70	65	60	32	14
16	8	80	12			80	71	67	65	35	11
19	0	UNL	8			73	69	67	82	34	9
22	0	UNL	8			70	67	65	84	30	6
DAY 26											
01	0	UNL	8			67	65	64	90	29	5
04	0	UNL	7			67	65	64	90	30	6
07	0	UNL	5		GF	67	65	64	90	32	8
10	3	UNL	10			80	72	68	67	34	7
13	4	UNL	12			83	71	65	55	05	10
16	1	UNL	10			81	71	66	60	02	11
19	2	UNL	10			73	68	65	76	33	5
22	7	45	10			72	67	65	79	33	6
DAY 27											
01	7	50	10			69	65	63	81	31	4
04	2	UNL	8			67	63	61	81	00	0
07	2	UNL	10			66	63	61	84	32	4
10	3	UNL	13			81	68	61	51	07	11
13	4	UNL	13			80	68	61	52	06	12
16	0	UNL	13			80	68	61	52	11	7
19	0	UNL	12			74	65	60	62	10	5
22	0	UNL	12			71	65	61	71	12	4
DAY 28											
01	0	UNL	10			67	63	61	81	00	0
04	0	UNL	10			64	62	60	87	00	0
07	0	UNL	10			63	61	59	87	00	0
10	7	UNL	13			81	70	64	56	11	9
13	8	300	13			82	71	65	56	07	9
16	7	90	13			82	70	63	53	13	11
19	4	UNL	12			77	70	67	71	12	6
22	10	60	12			78	72	69	74	16	5
DAY 29											
01	10	100	12			76	72	70	82	18	3
04	5	UNL	10			72	69	68	87	25	6
07	3	UNL	8			70	69	68	93	29	7
10	4	UNL	8			78	71	67	69	32	11
13	0	UNL	12			81	67	58	46	31	9
16	1	UNL	12			81	63	50	34	29	11
19	0	UNL	12			67	60	55	66	21	4
22	0	UNL	12			66	59	53	63	32	9
DAY 30											
01	0	UNL	12			60	55	51	72	30	9
04	1	UNL	12			55	52	50	83	28	6
07	0	UNL	13			57	53	50	78	32	11
10	0	UNL	13			68	57	49	51	29	13
13	0	UNL	13			73	60	50	44	32	11
16	4	UNL	13			74	59	48	40	29	9
19	5	UNL	12			61	55	51	70	17	4
22	0	UNL	12			57	54	52	83	00	0
DAY 31											
01	0	UNL	12			56	53	51	83	26	4
04	0	UNL	7			55	53	51	86	31	3
07	0	UNL	8			55	53	51	86	00	0
10	0	UNL	10			74	64	57	55	17	7
13	0	UNL	12			81	67	59	47	19	10
16	3	UNL	12			82	67	58	44	20	10
19	10	UNL	12			76	69	65	69	21	5
22	10	UNL	12			73	69	67	82	17	5

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thundersiorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 10

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
NOVEMBER 1973

Latitude 26 °41 'N Longitude 80 °06 'W Elevation (ground) 15 ft. Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation: Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind: Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Fastest mile: Direction	Sunshine: Hours and tenths	Sunshine: Percent of possible	Sky cover Tenths: Sunrise to sunset	Sky cover Tenths: Midnight to midnight	Date
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	89*	74	82*	7	72	0	17		0	T	0	29.90	22	3.2	9.1	16	02			9	10	1
2	88	71	80	5	72	0	15	3 8	0	0	0	30.05	13	1.5	3.2	10	11			6	7	2
3	87	72	80	5	71	0	15	8	0	T	0	30.09	03	5.4	5.8	16	03			7	7	3
4	86	69	78	3	67	0	13		0	0	0	30.07	04	3.3	3.6	12	04			5	4	4
5	88	67	78	3	68	0	13	1 8	0	.23	0	30.04	15	3.8	4.2	12	32			4	4	5
6	86	71	79	5	69	0	14	2 8	0	.25	0	30.06	03	6.2	10.8	21	06			8	7	6
7	83	74	79	5	62	0	14		0	0	0	30.13	08	12.5	12.8	16	07			5	4	7
8	81	62	72	-2	60	0	7		0	0	0	30.14	08	5.8	6.0	15	10			4	3	8
9	84	62	73	-1	62	0	8		0	0	0	30.07	14	1.7	4.8	12	10			2	1	9
10	83	64	74	0	63	0	9	8	0	.19	0	30.06	01	10.8	13.2	24	03			5	5	10
11	78	69	74	0	57	0	9		0	.01	0	30.17	05	18.3	18.7	24	04			5	7	11
12	79	70	75	2	57	0	10		0	T	0	30.20	07	15.6	16.0	23	07			7	8	12
13	80	68	74	1	57	0	9		0	0	0	30.20	07	14.5	14.7	20	07			5	4	13
14	80	69	75	2	57	0	10		0	0	0	30.16	08	12.8	13.2	18	06			3	2	14
15	80	61	71	-2	60	0	6		0	.10	0	30.06	10	3.6	5.6	14	07			6	3	15
16	84	59	72	-1	61	0	7	1 8	0	0	0	30.00	24	3.9	4.2	12	25			1	2	16
17	83	64	74	2	63	0	9	2 8	0	0	0	30.05	10	5.2	5.5	14	09			5	5	17
18	81	70	76	4	64	0	11		0	1.13	0	30.05	09	11.2	11.7	16	08			8	7	18
19	82	70	76	4	64	0	11		0	T	0	30.00	09	4.3	7.9	18	08			8	7	19
20	82	73	78	6	64	0	13		0	T	0	30.04	10	11.8	11.9	20	12			6	4	20
21	84	74	79	7	65	0	14		0	T	0	30.11	12	10.0	10.1	17	14			4	3	21
22	84	67	76	5	65	0	11		0	.15	0	30.16	11	4.6	4.9	9	09			5	5	22
23	82	72	77	6	62	0	12		0	0	0	30.15	09	8.6	8.8	14	09			0	1	23
24	82	67	75	4	62	0	10		0	0	0	30.07	10	8.3	8.6	15	12			3	3	24
25	82	66	74	3	61	0	9		0	0	0	30.02	15	7.4	7.5	16	15			6	5	25
26	83	67	75	4	61	0	10		0	0	0	30.07	13	6.9	7.8	16	13			5	3	26
27	83	71	77	6	63	0	12		0	0	0	30.08	13	9.5	9.8	16	13			5	4	27
28	84	70	77	6	64	0	12		0	0	0	30.00	16	8.8	9.8	17	17			8	6	28
29	71	55	63*	-8	50	2	0		0	T	0	30.11	33	12.0	14.2	23	36			4	3	29
30	77	55*	66	-4	45	0	1		0	0	0	30.27	04	9.3	13.5	18	07			9	9	30
	Sum	Sum				Total	Total			Total	Total	For the month:						Total	%	Sum	Sum	
	2476	2023				2	311	Number of days		2.06	0	30.09	08	5.5	9.2	24	04		for	158	145	
	Avg.	Avg.	Avg.	Dep.	Avg.	Dep.	Dep.	Precipitation		Dep.						Date:	11+	Possible	month	Avg.	Avg.	
	82.5	67.4	75.0	2.5	62	-20		≥ .01 inch	7	-0.80										5.3	4.8	
						Season to date		Snow, ice pellets														
	Number of days					Total	Total	≥ 1.0 inch	0	Greatest in 24 hours and dates						Greatest depth on ground of snow, ice pellets or ice and date					
	Maximum Temp.		Minimum Temp.			2	4057	Thunderstorms	1	Precipitation		Snow, ice pellets										
	≤ 90° ‡	≤ 32°	≤ 32°	≤ 0°		Dep.	Dep.	Heavy fog X	2	1.13	18	0						0				
	0	0	0	0		-20		Clear 5	Partly cloudy 19	Cloudy 6												

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at: 1	2	3	4	5	6	7	8	9	10	11	12	Date
1							T										T								1
2																									2
3		T	T																						3
4																									4
5																						.22	.01		5
6																.25	T	T							6
7																									7
8																									8
9																									9
10														.05	.13	.01	T								10
11															T	T		.01							11
12										T	T			T	T							T		T	12
13																									13
14																									14
15												.06	.04	T											15
16																									16
17																									17
18															T	.18	.01	.01	T	T	T	.35	.58	T	18
19		T	T																						19
20																						T	T		20
21		T																							21
22																			.14	.01	T				22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29					T	T		T																	29
30																									30

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≤ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75¢ extra. Single copy: 20¢ for monthly issue; 15¢ for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Temperature: Wet bulb °F	Temperature: Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind: Direction	Resultant wind: Speed m.p.h.
01	4	30.08	71	65	62	74	7.4	09	3.8
04	4	30.06	71	65	62	75	6.5	08	3.0
07	4	30.09	70	65	61	74	6.7	07	3.0
10	5	30.13	79	69	63	59	12.0	08	6.1
13	6	30.08	81	69	63	55	12.3	08	7.8
16	5	30.05	79	68	62	59	12.0	08	8.8
19	5	30.03	74	67	62	66	8.9	07	6.4
22	5	30.11	73	66	62	70	8.2	09	5.3

USCOMM—NOAA—ASHEVILLE 300

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
HEATING DEGREE DAYS - JULY 1, 1973
COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION - JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Nearest Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	10	120	10			74	71	69	84	21	6
04	10	60	10			76	73	71	85	17	7
07	10	100	7			78	74	72	82	25	8
10	7	300	13			84	77	74	72	24	10
13	10	65	12			87	77	73	63	20	12
16	10	38	12			79	73	71	77	02	14
19	10	60	10			77	73	71	82	34	6
22	10	60	10			75	72	71	87	00	0
DAY 02											
01	10	100	8			74	72	71	90	00	0
04	10	33	5		H	72	70	69	90	00	0
07	1	UNL	7			71	69	68	90	28	3
10	6	38	10			83	77	74	74	23	4
13	9	38	12			85	77	74	68	10	7
16	10	25	10		T	83	77	74	74	11	8
19	10	40	8			80	76	74	82	00	0
22	8	UNL	7			77	74	73	88	00	0
DAY 03											
01	10	45	6		H	75	73	72	90	00	0
04	10	13	7			77	73	74	91	06	5
07	6	90	7			76	74	73	90	00	0
10	7	55	8			83	76	73	72	01	6
13	10	60	10			85	75	71	63	01	13
16	10	UNL	12			83	72	67	54	03	10
19	7	UNL	7			79	72	69	69	05	6
22	5	UNL	7			75	70	67	78	09	0
DAY 04											
01	4	UNL	7			71	69	67	87	00	0
04	2	UNL	7			70	68	67	90	00	0
07	7	300	8			71	68	67	87	33	3
10	7	60	10			80	71	67	65	04	4
13	6	60	12			85	73	67	55	04	10
16	0	UNL	12			82	72	67	61	05	8
19	0	UNL	12			76	70	67	74	00	0
22	0	UNL	12			72	69	67	84	00	0
DAY 05											
01	1	UNL	7			70	68	67	90	00	0
04	0	UNL	7			69	67	66	90	00	0
07	0	UNL	5		GF	65	66	65	90	00	0
10	4	UNL	6		H	82	73	69	65	18	5
13	6	35	12			86	74	68	55	11	6
16	5	UNL	13			83	74	70	65	16	10
19	5	UNL	10			78	73	70	77	15	4
22	10	25	7		RW	74	71	70	87	16	4
DAY 06											
01	9	100	10			72	70	69	90	25	5
04	10	2	0	8	F	73	71	70	90	25	5
07	7	100	5		H	72	70	69	90	31	5
10	5	UNL	10			80	73	70	72	32	7
13	8	130	13			83	73	65	61	02	11
16	10	19	8			78	73	71	79	07	14
19	8	80	8			77	70	67	71	04	14
22	7	45	10			76	69	65	69	06	14
DAY 07											
01	2	UNL	10			75	68	64	69	06	10
04	3	UNL	10			74	68	64	71	07	11
07	3	UNL	12			74	67	63	69	09	10
10	5	UNL	12			80	68	62	54	03	14
13	9	50	12			80	68	62	54	08	12
16	3	UNL	12			80	68	61	52	08	12
19	1	UNL	12			75	66	60	60	10	9
22	6	45	10			75	66	60	60	10	11
DAY 08											
01	3	UNL	12			73	65	60	64	09	6
04	0	UNL	12			69	63	59	71	00	0
07	3	UNL	13			70	63	59	68	07	5
10	2	UNL	13			80	67	60	51	07	11
13	8	40	13			81	68	61	51	09	7
16	4	UNL	13			79	68	61	54	10	7
19	0	UNL	12			73	66	62	69	05	6
22	0	UNL	12			66	63	61	84	00	0
DAY 09											
01	1	UNL	13			70	64	61	73	11	6
04	1	UNL	13			65	61	59	81	00	0
07	0	UNL	13			63	61	59	87	25	4
10	4	UNL	13			80	69	63	56	23	4
13	3	UNL	13			82	70	63	53	17	5
16	1	UNL	13			82	70	64	55	10	10
19	0	UNL	12			74	68	64	71	33	4
22	0	UNL	12			68	65	63	84	00	0
DAY 10											
01	0	UNL	6		K	68	65	63	84	30	6
04	0	UNL	4		K	64	62	61	90	29	4
07	0	UNL	2		K	67	64	62	84	30	5
10	0	UNL	8			78	70	65	64	35	15
13	3	UNL	10			80	70	64	58	34	11
16	10	25	10			74	69	66	76	04	13
19	10	28	7			72	66	63	73	03	20
22	10	28	7			72	64	59	64	03	18
DAY 11											
01	10	50	12			71	64	59	66	04	21
04	7	90	12			70	62	57	64	04	17
07	4	UNL	13			70	62	57	64	04	15
10	3	UNL	13			75	64	57	54	06	16
13	5	UNL	13			77	65	57	50	03	15
16	10	45	12			71	63	57	61	04	14
19	9	40	12			71	63	57	61	06	16
22	7	60	12			72	63	57	59	06	16
DAY 12											
01	8	60	12			70	62	57	64	07	12
04	10	60	12			72	63	57	59	09	15
07	9	55	12			72	63	57	59	07	14
10	9	75	12		RW	75	64	57	54	05	13
13	8	75	12			78	65	57	49	08	15
16	8	75	12			75	64	57	54	06	14
19	7	60	12			73	63	57	57	06	12
22	10	45	12			71	63	57	61	08	16
DAY 13											
01	10	60	10			73	63	57	57	06	16
04	0	UNL	10			71	63	57	61	07	13
07	1	UNL	13			68	61	57	68	03	7
10	5	UNL	13			77	65	57	50	08	14
13	5	UNL	13			78	65	57	49	07	12
16	7	45	13			76	64	57	52	08	12
19	5	UNL	12			74	64	57	55	07	14
22	3	UNL	12			74	64	57	55	08	14
DAY 14											
01	3	UNL	12			72	63	57	59	10	10
04	1	UNL	12			72	63	57	59	06	11
07	3	UNL	13			71	63	57	61	06	10
10	3	UNL	13			78	65	57	49	09	14
13	2	UNL	13			79	65	57	47	06	14
16	2	UNL	13			77	65	57	50	08	13
19	3	UNL	13			73	63	57	57	09	10
22	0	UNL	12			70	61	55	59	07	8
DAY 15											
01	0	UNL	12			69	61	55	61	10	5
04	4	UNL	12			62	58	55	78	36	3
07	4	UNL	13			66	60	55	68	00	0
10	4	UNL	13			73	68	61	54	09	10
13	7	60	13			78	70	66	67	07	7
16	7	UNL	13			79	69	63	53	13	7
19	0	UNL	13			72	66	63	73	13	3
22	1	UNL	12			69	65	63	81	26	4
DAY 16											
01	0	UNL	12			65	63	61	87	00	0
04	0	UNL	7			65	62	60	84	23	6
07	0	UNL	6		K	62	59	57	84	00	0
10	0	UNL	7			78	68	63	60	25	8
13	1	UNL	10			84	68	59	43	25	6
16	4	UNL	2		K	82	68	59	46	24	5
19	3	UNL	4		K	74	66	62	66	00	0
22	3	UNL	4		K	71	66	63	70	19	4
DAY 17											
01	0	UNL	4		K	69	65	63	81	00	0
04	0	UNL	6		K	67	63	61	81	00	0
07	0	UNL	1		GFK	64	62	61	90	00	0
10	4	UNL	8			81	70	65	58	07	5
13	8	80	10			83	71	64	53	11	8
16	7	80	12			80	69	63	56	13	7
19	8	75	8			77	68	63	62	11	8
22	6	70	8			76	68	63	64	09	10
DAY 18											
01	2	UNL	10			75	67	63	66	10	10
04	3	UNL	10			75	67	63	66	09	10
07	6	85	12			75	67	63	66	09	13
10	6	270	12			79	69	63	58	09	13
13	9	85	12			80	70	64	58	09	10
16	10	19	5		RW	74	69	66	76	10	8
19	10	25	8			75	69	66	74	06	11
22	10	23	2		RW	70	66	64	81	13	6
DAY 19											
01	10	16	8			71	67	64	79	12	11
04	10	100	8			70	66	63	79	23	5
07	9	100	10			70	66	63	79	19	4
10	7	85	10			78	70	66	67	32	5
13	8	100	13			75	68	64	69	10	10
16	7	100	13			78	67	61	56	07	9
19	2	UNL	12			75	68	64	69	08	7
22	1	UNL	12			74	68	64	71	09	4
DAY 20											
01	1	UNL	12			73	67	63	71	09	6
04	2	UNL	12			74	68	64	71	09	7
07	4	UNL	12			75	68	64	69	09	9
10	8	25	13			80	70	65	60	10	15
13	8	90	13			82	71	66	58	11	14
16	2	UNL	13			80	70	65	60	09	13
19	3	UNL	12			77	68	63	62	09	10
22	6	23	12		RW	77	69	65	67	10	9
DAY 21											
01	2	UNL	12			76	69	65	69	14	7
04	1	UNL	12			75	69	65	71	12	6
07	3	UNL	13			74	68	64	71	12	6
10	3	UNL	13			82	71	63	56	12	13
13	6	33	13			83	71	65	55	12	13
16	2	UNL	13			81	70	64	56	12	11
19	0	UNL	12			75	68	64	69	11	7
22	4	UNL	12			77	69	64	64	11	7
DAY 22											
01	1	UNL	12			75	68	64	69	13	5
04	2	UNL	12			71	67	64	79	00	0
07	2	UNL	12			67	63	61	81	00	0
10	5	UNL	13			81	71	66	60	12	8
13	10	80	13			82	71	66	58	13	6
16	7	80	13			81	72	67	63	07	6
19	9	28	6		RW	76	69	66	71	11	5
22	10	100	10			74	69	66	76	12	4
DAY 23											
01	2	UNL	12			75	69	65	71	11	5
04	1	UNL	10			74	68	64	71	10	6
07	0	UNL	12			73	67	63	71	09	5
10	0	UNL	13			80	69	63	56	07	11
13	0	UNL	13			81	68	60	49	08	8
16	0	UNL	12			80	68	61	52	08	10
19	0	UNL	10			75	66	61	62	08	7
22	3	UNL	10			75	67	62	64	10	9
DAY 24											
01	7	33	12			75	66	61	62	11	6
04	2	UNL	12			72	65	61	68	09	6
07	1	UNL	12			73	66	61	66	09	7
10	3	UNL	13			80	69	63	56	09	11
13	5	UNL	13			80	69	63	56	10	9
16	2	UNL	13			80	68	61	52	12	9
19	4	UNL	12			75	66	61	62	11	3
22	2	UNL	12			73	66	61	66	15	4
DAY 25											
01	5	UNL	12			67	62	59	76	00	0
04	8	UNL	12			71	64	60	68	15	3
07	9	300	12			72	65	61	68	14	7
10	9	100	13			80	70	64	58	15	14
13	5	UNL	13			82	70	64	55	14	9
16	3	UNL	13			81	68	60	49	14	10
19	1	UNL	12			73	66	62	69	15	5
22	2	UNL	12			71	65	61	71	14	4
DAY 26											
01	1	UNL	12			68	63	59	73	28	3
04	8	38	12			73	66	61	66	14	4
07	8	60	12			74	65	59	60	13	5
10	8	38	12			79	68	62	56	13	11
13	4	UNL	13			82	69	62	51	12	10
16	3	UNL	13			80	68	61	52	12	13
19	2	UNL	12			74	66	61	64	13	4
22	0	UNL	12			73	66	61	66	13	4
DAY 27											
01	2	UNL	12			73	65	60	64	12	7
04	3	UNL	12			73	66	61	66	11	6
07	3	UNL	13			73	66	61	66	13	6
10	4	UNL	13			80	70	64	58	13	10
13	7	38	13			81	70	65	58	12	14
16	7	33	13			80	70	64	58	13	9
19	8	50	13			76	68	63	64	15	5
22	5	UNL	12			77	69	64	64	15	11
DAY 28											
01	3	UNL	12			76	68	64	66	15	10
04	5	UNL	12			75	68	64	69	18	3
07	7	60	12			72	66	63	73	08	5
10	7	60	13			81	71	66	60	14	12
13	9	30	13			82	71	65	56	16	15
16	10	120	13			73	70	66	67	17	10
19	7	60	12			73	67	63	71	17	5
22	0	UNL	12			72	66	63	73	20	8
DAY 29											
01	2	UNL	12			71	66	63	76	21	7
04	10	45	12			69	62	58	68	31	10
07	10	60	12			64	56	50	61	32	13
10	9	100	13			62	54	47	58	32	16
13	0	UNL	13			67	55	45	45	36	18
16	1	UNL	13			65	54	45	49	35	13
19	1	UNL	13			60	52	45	58	32	10
22	9	45	12			58	51	45	62	31	12
DAY 30											
01						55	50	45	69	31	12
04						55	50	45	69	31	7
07						57	51	45	64	29	5
10						71	57	45	39	05	15
13						75	58	45	34	06	13
16						74	58	45	36	07	14
19						71	57	45	39	05	15
22						71	57	45	39	06	13

NOTES

CEILING COLUMN —

UNL indicates an unlimited ceiling.

WEATHER COLUMN —

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS —

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 11

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

WEST PALM BEACH, FLORIDA
NATIONAL WEATHER SERVICE OFC
PALM BEACH INTERNATIONAL AP
DECEMBER 1973

Latitude 26 ° 41 ' N Longitude 80 ° 05 ' W Elevation (ground) 15 ft Standard time used: EASTERN WBAN #12844

Date	Temperature °F: Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65°: Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation: Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. Elev. 21 feet m.s.l.	Wind: Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Direction	Sunshine: Hours and tenths	Percent of possible	Sky cover Tenths: Sunrise to sunset	Midnight to midnight	Date
1	79	67	73	3	52	0	8		0	0	0	30.29	06	14.1	14.2	21	07			7	7	1
2	79	68	74	4	53	0	9		0	0	0	30.26	08	12.2	12.4	18	09			7	6	2
3	80	70	75	5	54	0	10		0	0	0	30.17	08	14.4	14.7	20	07			7	6	3
4	80	68	74	5	57	0	9		0	.07	0	30.03	13	12.4	13.1	18	16			4	5	4
5	83	71	77*	8	59	0	12		0	0	0	30.03	15	12.6	12.8	18	14			6	6	5
6	84*	65	75	6	60	0	10		0	.02	0	30.10	15	4.3	6.5	16	17			7	7	6
7	80	65	73	4	60	0	8		0	T	0	30.07	02	1.9	6.0	10	06			7	6	7
8	65	58	62	-7	58	3	0	2 8	0	.45	0	29.97	30	8.8	9.1	16	28			7	8	8
9	67	48	58	-11	49	7	0		0	0	0	30.05	30	8.9	9.4	17	31			10	10	9
10	72	43	58	-10	44	7	0	1 8	0	0	0	30.14	29	8.1	8.8	15	32			2	3	10
11	61	42	52	-16	35	13	0	1 8	0	0	0	30.21	31	8.8	9.5	21	32			0	0	11
12	69	39	54	-14	35	11	0		0	0	0	30.17	32	8.7	9.5	17	32			0	0	12
13	74	48	61	-7	43	4	0		0	0	0	30.00	26	5.5	7.8	15	27			3	1	13
14	80	52	66	-2	52	0	1		0	T	0	29.96	22	8.5	8.8	18	22			5	3	14
15	81	55	68	0	56	0	3		0	0	0	30.00	19	5.1	5.9	13	17			2	1	15
16	82	52	67	-1	57	0	2	3	0	.41	0	29.84	21	9.4	14.4	26	21			9	6	16
17	61	44	53	-15	40	12	0		0	0	0	30.01	29	9.7	10.5	17	26			2	1	17
18	66	39	52	-16	41	13	0		0	0	0	30.16	35	6.5	10.1	20	08			2	3	18
19	77	65	71	3	52	0	6		0	0	0	30.13	09	13.3	13.5	20	11			7	8	19
20	80	65	73	5	63	0	8	3	0	1.05	0	29.95	14	13.9	16.0	23	14			10	9	20
21	65	45	55	-13	49	10	0		0	0	0	30.01	28	14.5	14.7	26	28			5	3	21
22	60	36*	48*	-20	30	17	0		0	0	0	30.17	32	11.2	11.8	16	30			0	0	22
23	72	44	58	-10	44	7	0		0	0	0	30.16	05	3.2	7.8	13	08			5	3	23
24	79	64	72	4	54	0	7		0	T	0	30.14	10	9.4	11.4	18	10			8	9	24
25	79	70	75	7	60	0	10		0	.13	0	30.14	13	13.1	13.2	18	14			8	8	25
26	80	71	76	8	63	0	11		0	T	0	30.13	14	13.5	13.7	23	14			7	7	26
27	82	70	76	8	64	0	11		0	0	0	30.14	13	10.8	11.4	20	15			7	6	27
28	82	67	75	7	63	0	10	8	0	0	0	30.14	15	3.0	4.6	14	13			4	4	28
29	82	60	71	3	61	0	6	2	0	0	0	30.08	18	4.1	5.3	14	14			3	2	29
30	82	60	71	3	60	0	6	1	0	0	0	30.03	16	5.1	6.5	15	14			2	1	30
31	81	63	72	4	63	0	7		0	.02	0	30.07	15	8.3	9.5	17	15			3	3	31
	Sum 2344	Sum 1772				Total 104	Total 154			Total 2.15	Total 0	For the month: 30.09	14	1.9	10.4	26	28	Total	% for month	Sun 151	Sun 134	
	Avg. 75.6	Avg. 57.2	Avg. 66.4	Dep. -1.8	Avg. 53	Dep. 26	Dep.			Dep. -0.42						Date: 21+		Possible		Avg. 4.9	Avg. 4.4	

Number of days: Maximum Temp. ≥ 90°‡	≥ 32°	Minimum Temp. ≤ 32°	≤ 0°	Season to date: Heating Total	Heating Dep.	Cooling Total	Cooling Dep.
0	0	0	0	106	4211	6	

Number of days	
Precipitation ≥ .01 inch	7
Snow, ice pellets ≥ 1.0 inch	0
Thunderstorms	2
Heavy fog X	2
Clear 11	Partly cloudy 15	Cloudy 5

Greatest in 24 hours and dates: Precipitation	Snow, ice pellets
1.05 20	0

Greatest depth on ground of snow, ice pellets or ice and date: 0

HOURLY PRECIPITATION (Water equivalent in inches)

Date	A.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P.M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1																									1
2																									2
3		.05		T	T	.02		T	T																3
4																									4
5		T													T	.02							T		5
6				T	T	T							.11	.14	.15	.05		T	T						6
7																									7
8																									8
9																									9
10																T	T								10
11																.03	.35	.03	T						11
12																									12
13		T																							13
14																									14
15												T	T	T	.09	.90	.06								15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22			T	T			T	T											T	T	T	T			22
23						.10	T	.03																	23
24															T	T		T	T	T	T				24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31			.01	.01																					31

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≤ 70° at Alaskan stations.
+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

Subscription Price: Local Climatological Data $ 2.00 per year including annual issue if published, foreign mailing 75c extra. Single copy: 20c for monthly issue; 15c for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	AVERAGES: Sky cover Tenths	Station pressure In.	Temperature: Air °F	Wet bulb °F	Dew Pt. °F	Relative % humidity	Wind speed m.p.h.	Resultant wind: Direction	Speed m.p.h.
01	4	30.09	62	56	52	70	10.1	08	1.1
04	4	30.08	61	55	51	71	8.2	12	.7
07	4	30.10	60	55	50	71	8.6	10	1.4
10	4	30.13	69	60	53	58	12.1	15	2.0
13	6	30.08	74	62	54	50	13.9	14	4.0
16	5	30.05	72	62	54	53	12.7	13	3.8
19	4	30.08	66	59	54	66	8.6	16	2.0
22	4	30.10	64	58	53	69	9.1	16	1.3

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
HEATING DEGREE DAYS - JULY 1, 1973
COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION - JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hndrds of ft.	VISIBILITY Whole Miles	VISIBILITY Nearest Mile	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	8	45	12			72	61	53	51	07	19
04	3	UNL	12			69	59	51	53	07	10
07	3	40	12			69	59	52	55	06	10
10	5	UNL	13			75	62	53	46	07	14
13	4	UNL	13			76	62	53	45	05	14
16	8	40	13			75	62	52	45	05	13
19	7	45	12			72	60	52	50	06	11
22	8	25	12			72	60	52	50	06	12
DAY 02											
01	7	45	12			71	60	52	51	07	12
04	3	UNL	12			70	60	52	53	07	9
07	7	45	12			71	60	52	51	07	10
10	5	UNL	12			76	63	54	47	06	12
13	9	45	13			77	64	55	47	09	11
16	8	45	13			76	63	54	47	09	9
19	7	45	12			74	62	53	48	09	13
22	4	UNL	12			72	61	53	51	08	10
DAY 03											
01	2	UNL	12			73	62	55	53	09	14
04	10	60	12			73	62	54	51	07	10
07	3	UNL	12			71	61	53	53	07	11
10	5	UNL	12			79	63	54	47	08	15
13	5	UNL	12			78	63	53	47	10	14
16	4	UNL	12			76	63	54	47	07	14
19	4	UNL	12			72	61	53	51	09	13
22	4	UNL	12			72	61	53	51	08	11
DAY 04											
01	9	35	12			72	62	55	53	09	14
04	10	60	12		RW	71	63	57	61	10	8
07	9	23	12			72	63	57	59	14	13
10	8	30	12			77	65	58	52	14	15
13	4	UNL	12			79	66	58	49	13	11
16	4	UNL	12			77	65	58	52	14	14
19	1	UNL	12			74	63	59	60	14	10
22	3	UNL	12			75	64	57	54	14	10
DAY 05											
01	9	80	12			75	64	57	54	15	13
04	9	75	12			75	65	58	53	14	9
07	0	UNL	13			74	64	58	53	14	10
10	7	85	13			79	68	61	54	16	14
13	8	250	13			93	59	61	48	15	16
16	8	250	13			80	67	59	49	14	15
19	8	300	12			75	65	59	58	17	6
22	0	UNL	12			72	64	59	64	15	5
DAY 06											
01	3	UNL	12			67	62	59	76	00	0
04	0	UNL	12			66	61	57	73	17	4
07	3	UNL	12			65	60	57	75	00	0
10	5	UNL	12			80	68	62	54	16	10
13	6	30	12			83	69	62	49	15	13
16	8	40	12			76	67	62	62	13	6
19	7	UNL	12			73	66	61	66	13	5
22	10	40	12			72	65	62	71	33	7
DAY 07											
01	10	60	10			69	64	61	76	31	5
04	10	30	8			68	63	60	76	01	3
07	10	80	10			69	63	59	71	04	5
10	7	80	12			78	67	61	56	08	4
13	8	100	12			79	68	61	54	04	6
16	6	100	13			77	67	61	58	11	9
19	7	80	12			71	64	60	68	29	4
22	4	UNL	12			68	63	59	73	26	7
DAY 08											
01	10	80	7			65	60	57	75	32	7
04	10	4	2	8	F	63	58	55	75	31	4
07	10	2	0	4	F	62	58	55	79	29	5
10	10	3	1	8	F	63	62	62	97	30	11
13	10	6	1	8	R	64	62	61	90	30	5
16	10	5	8			61	59	58	90	29	9
19	10	6	7			60	58	57	90	30	5
22	10	9	7			59	58	57	93	27	10
DAY 09											
01	10	7	10			59	56	55	87	29	8
04	1	UNL	8			54	52	51	90	31	7
07	9	8	10			52	50	47	83	31	9
10	1	UNL	10			56	51	47	72	31	9
13	2	UNL	12			65	54	45	49	31	15
16	1	UNL	12			65	56	50	59	30	8
19	2	UNL	12			57	52	47	69	24	5
22	0	UNL	12			54	50	47	77	32	4
DAY 10											
01	0	UNL	12			49	47	45	86	27	5
04	0	UNL	12			46	45	44	93	26	5
07	0	UNL	10			46	45	43	89	28	8
10	0	UNL	12			59	52	45	60	32	11
13	0	UNL	13			66	53	39	37	32	10
16	0	UNL	13			69	54	41	36	30	11
19	0	UNL	10			57	52	47	69	27	4
22	0	UNL	7			52	49	46	80	27	7
DAY 11											
01	0	UNL	5		GFH	47	45	44	89	24	6
04	0	UNL	4		GFH	47	45	44	89	29	5
07	0	UNL	12			48	43	37	65	32	11
10	0	UNL	13			53	44	34	49	32	12
13	0	UNL	13			60	47	31	34	32	14
16	1	UNL	13			60	46	29	31	33	11
19	2	UNL	13			48	40	30	50	28	4
22	0	UNL	12			44	38	30	58	31	5
DAY 12											
01	0	UNL	12			41	36	29	62	29	7
04	0	UNL	12			42	36	28	58	30	9
07	0	UNL	12			43	37	27	53	32	9
10	0	UNL	13			55	44	28	34	32	15
13	0	UNL	13			67	54	42	40	36	6
16	0	UNL	13			67	53	39	36	36	10
19	0	UNL	12			56	49	41	57	33	7
22	0	UNL	12			50	46	42	74	30	3
DAY 13											
01	0	UNL	12			50	46	42	74	28	7
04	0	UNL	12			52	47	42	69	34	5
07	4	UNL	12			49	46	42	77	28	5
10	9	33	13			63	51	38	40	31	6
13	2	UNL	10			72	59	48	43	26	8
16	0	UNL	10			74	58	44	34	23	11
19	0	UNL	12			62	53	45	54	17	5
22	0	UNL	12			57	51	45	64	21	7
DAY 14											
01	0	UNL	12			54	49	45	72	21	6
04	0	UNL	12			53	48	44	72	19	5
07	4	UNL	12			54	49	45	72	20	5
10	9	33	13			72	61	53	51	22	15
13	2	UNL	10			80	65	56	44	22	15
16	10	45	8		RW	74	64	57	55	24	8
19	0	UNL	10			66	62	59	78	24	4
22	0	UNL	8			61	59	58	90	22	3
DAY 15											
01	0	UNL	8			60	58	56	87	23	4
04	0	UNL	8			59	57	55	87	24	4
07	0	UNL	7			56	53	51	83	00	0
10	3	UNL	10			73	64	59	62	23	6
13	3	UNL	12			80	66	58	47	17	11
16	3	UNL	12			78	65	56	47	16	6
19	3	UNL	12			70	62	57	64	17	5
22	0	UNL	10			65	60	56	73	18	5
DAY 16											
01	0	UNL	10			63	59	56	78	18	5
04	0	UNL	10			64	59	55	73	19	6
07	5	UNL	12			64	59	56	75	17	8
10	7	300	12			79	69	64	60	14	17
13	9	300	8			80	68	62	54	21	18
16	10	30	7		TRW	75	67	63	66	21	15
19	10	100	7			57	53	50	78	28	17
22	4	UNL	10			56	51	47	72	28	14
DAY 17											
01	0	UNL	10			51	47	42	71	29	11
04	1	UNL	10			48	45	41	77	31	8
07	0	UNL	8			45	42	38	77	34	6
10	0	UNL	12			52	45	39	61	29	8
13	3	UNL	12			58	49	39	49	26	15
16	4	UNL	12			58	49	40	51	27	13
19	0	UNL	12			51	46	40	66	28	6
22	0	UNL	12			46	42	38	74	30	6
DAY 18											
01	0	UNL	12			44	40	35	71	33	11
04	0	UNL	12			38	35	31	76	28	5
07	0	UNL	8			38	35	30	73	30	8
10	0	UNL	8			50	44	36	59	33	7
13	0	UNL	8			63	54	46	54	36	8
16	2	UNL	12			65	55	49	59	01	10
19	2	UNL	12			60	55	50	70	30	6
22	10	25	10			65	56	48	54	08	15
DAY 19											
01	10	60	10			66	56	47	51	08	13
04	7	60	10			66	56	47	51	09	11
07	5	UNL	10			66	56	48	52	09	12
10	5	UNL	12			73	60	50	44	08	12
13	10	60	13			75	62	53	46	09	15
16	9	300	13			73	62	55	53	09	10
19	5	UNL	10			72	62	55	55	11	10
22	10	60	10			73	64	59	62	11	11
DAY 20											
01	10	40	10			73	64	59	62	12	13
04	5	UNL	10			72	63	60	66	14	15
07	4	UNL	10			73	66	61	66	11	16
10	15	12				76	69	65	69	13	15
13	10	13	10			76	69	65	69	14	20
16	10	2			RW	71	68	66	84	12	13
19	10	120	10			70	66	64	81	19	11
22	7	15	10			68	65	63	84	22	8
DAY 21											
01	9	45	10			64	60	57	78	27	15
04	10	85	8			62	58	56	81	27	12
07	1	UNL	8			60	56	52	75	28	10
10	4	UNL	10			63	55	48	58	28	15
13	9	70	12			65	55	47	52	29	19
16	2	UNL	12			62	54	47	58	27	13
19	0	UNL	12			50	48	47	89	27	8
22	0	UNL	12			47	42	36	66	29	10
DAY 22											
01	0	UNL	12			44	40	34	68	32	12
04	0	UNL	10			40	36	29	65	31	11
07	0	UNL	12			37	33	26	65	30	10
10	0	UNL	13			45	38	27	49	30	10
13	0	UNL	13			58	44	24	27	35	8
16	0	UNL	13			59	44	24	26	35	12
19	0	UNL	12			51	44	36	57	31	9
22	0	UNL	12			48	43	37	86	31	10
DAY 23											
01	0	UNL	12			48	43	38	88	31	10
04	0	UNL	10			45	42	38	77	31	5
07	2	UNL	7			45	42	38	77	30	3
10	4	UNL	8			62	54	48	60	34	3
13	6	30	13			71	58	48	44	09	8
16	5	UNL	13			69	57	47	46	10	9
19	3	UNL	12			63	54	46	54	07	8
22	5	UNL	12			64	55	47	54	10	8
DAY 24											
01	10	85	12			67	57	49	53	07	14
04	10	45	10			68	59	52	57	09	10
07	10	35	10		R	67	58	52	59	13	8
10	8	40	12			70	60	52	53	23	5
13	6	UNL	13			78	63	52	40	14	7
16	10	280	13			74	63	55	52	11	10
19	9	45	12		RW	73	63	56	55	11	10
22	9	38	10			70	64	60	71	09	15
DAY 25											
01	4	UNL	10			72	63	57	59	11	9
04	9	100	10			72	63	57	59	13	12
07	10	40	10			71	64	60	68	13	11
10	9	80	12			74	65	60	62	13	11
13	9	120	12			78	67	61	56	14	14
16	4	UNL	12			75	66	61	62	13	14
19	8	100	12			74	66	61	64	13	10
22	9	90	12			74	66	61	64	14	11
DAY 26											
01	6	230	12			73	66	61	66	13	14
04	2	UNL	12			73	66	61	66	14	10
07	4	UNL	12			73	66	62	69	13	15
10	4	UNL	12			77	68	63	62	14	16
13	8	18	12			80	70	64	58	13	17
16	10	20	12			78	69	64	62	13	10
19	10	60	10			72	67	65	79	13	5
22	10	100	10			74	68	65	74	14	8
DAY 27											
01	3	UNL	10			74	68	64	71	14	12
04	6	20	10			74	68	64	71	15	8
07	7	230	10			73	67	64	74	13	8
10	6	19	13			77	69	63	67	15	10
13	9	26	13			80	70	65	60	15	14
16	3	UNL	13			80	70	65	60	14	14
19	6	UNL	12			73	67	64	74	15	8
22	10	60	12			73	67	64	74	22	5
DAY 28											
01	3	UNL	10			69	65	63	81	00	0
04	10	33	10			70	66	63	79	29	3
07	8	85	7			69	65	63	81	00	0
10	5	UNL	8			78	70	65	64	19	5
13	5	50	12			79	69	64	60	09	6
16	2	UNL	13			80	69	63	56	13	9
19	0	UNL	12			72	65	63	73	15	5
22	0	UNL	12			70	65	62	76	19	4
DAY 29											
01	4	UNL	12			67	64	62	84	26	3
04	5	UNL	10			64	60	58	81	28	3
07	1	UNL	0	4	GF	62	59	57	84	00	0
10	2	UNL	10			75	68	64	69	20	3
13	3	UNL	12			81	69	62	53	14	8
16	3	UNL	13			78	69	63	60	16	10
19	0	UNL	12			72	66	63	73	17	5
22	0	UNL	12			68	64	62	81	19	5
DAY 30											
01	0	UNL	10			65	62	60	84	30	4
04	2	UNL	10			61	59	57	87	00	0
07	1	UNL	1	4	GF	60	58	56	87	16	3
10	1	UNL	10			76	68	63	64	18	7
13	5	UNL	13			91	69	62	53	14	12
16	1	UNL	13			80	67	60	51	14	11
19	0	UNL	12			72	66	62	71	16	5
22	0	UNL	12			66	62	60	81	19	3
DAY 31											
01	0	UNL	12			68	63	60	76	14	5
04	7	40	12			63	64	62	81	29	4
07	2	UNL	12			64	62	60	87	14	5
10	6	38	12			73	70	65	64	14	12
13	5	UNL	13			80	70	65	60	14	15
16	5	UNL	13			79	70	65	62	14	14
19	0	UNL	13			73	68	65	76	15	6
22	0	UNL	12			72	67	64	76	17	5

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WEST PALM BEACH FLA YEAR & MONTH: 73 12

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

2.5c - WATER USAGE

Water use at the power plant will consist of boiler and cooling tower make-up and demineralizer back wash water. An average estimated water use of 828,000 gallons per day will represent 14% of the 1978 average daily output of the Lake Worth Utilities Authority water plant. Of the total average water consumption in an area within 5 mile radius, excluding private wells, the estimated S-5 usage for that same year would represent 7.6%. It is noted that the Lake Worth Utilities Authority water plant has a total design capacity of 25,000,000 gallons per day of which S-5 use will represent approximately 3%.

The attached tabulation describes the past and projected water use for Lake Worth Utilities Authority Unit S-5 and general use in the area.

LOCAL GROUND WATER USAGE (MGD) WITHIN A 5 MILE RADIUS OF
LAKE WORTH UTILITIES AUTHORITY GENERATING STATION

	1973		1978 (Projected)*		1982 (Projected)*	
	Avg.	Max.**	Avg.	Max.**	Avg.	Max.**
Lake Worth	4.43	5.34	5.15	6.31	5.84	7.15
Lantana	.713	1.07	.910	1.366	1.106	1.660
Palm Springs	1.19	1.85	1.519	2.361	1.846	2.870
Atlantis	.471	.599	.601	.764	.731	.929
Manalapan	.454	.587	.579	.749	.704	.911
Seminole Manor	.437	.631	.558	.805	.678	.979
Lake Clark Shores	.222	.279	.283	.356	.344	.433
Lake Worth Hills	.274	.385	.350	.491	.425	.597
Englewood Manor	.093	.101	.119	.129	.144	.157
S-5 Usage	--	--	.828	1.454	.828	1.454
TOTAL	8.29	10.84	10.897	14.785	12.646	17.14
S-5 % OF TOTAL	--	--	7.6%	9.8%	6.5%	8.5%
S-5 % OF LAKE WORTH TOTAL			14.0%	18.7%	12.4%	16.9%

*Projections are based on increase in usage within existing service area with no growth attributed to service expansion.

**Average Maximum based on monthly water use data.

3.2a - FUEL INFORMATION

Unit S-5 will operate on natural gas and/or low sulfur residual fuel in quantities and proportions as outlined in the application for Air Pollution Permit.

Natural gas is supplied to Lake Worth Utilities Authority by Florida Public Utilities Company, a distributor of gas purchased from Florida Gas Transmission Company. Their rate and curtailment schedule is such that Lake Worth Utilities Authority would be among the last customers to be "cut back," should shortages occur.

Heavy oil, delivered via tank truck, is stored at the site in two existing above ground tanks with a total capacity of 1,600,000 gallons. These storage facilities are provided with dikes to contain the total tank volume in the event of tank failure. Dikes are designed so as to confine the spillage to the immediate area and prevent local run-off water from mixing with and becoming contaminated by the spilled fuel. Rain fall would provide the only means of oil and water contact, and this would occur only if the dike was full due to a tank failure.

The presently existing fuel facilities and supply arrangements are sufficient to provide the fuel needs of Unit S-5.

3.7b - AIR EMISSIONS

As indicated by the tabulation in the Application For Permit To Construct An Air Pollution Source, Lake Worth Utilities Authority's Unit S-5 will be operated so as to comply with the Department of Pollution Control stack emission standards through the firing of low sulfur oil and natural gas. Historically, Lake Worth Utilities Authority has generated a majority of their power on natural gas as shown in the following table.

LAKE WORTH UTILITIES AUTHORITY
HISTORICAL FUEL USE

	% Natural Gas	% Oil
1969	96	4
1970	94	6
1971	91	9
*1972	95	5
1973	96	4

*Installation of higher capacity gas line by Lake Worth Utilities Authority.

SO_2

Lake Worth Utilities Authority, as well as the utility industry in general, is of the opinion that present day SO_2 stack gas removal systems have not yet proven their performance capability or reliability. In addition, the

relatively large area required to accomodate the facility, prohibits the use of such a device at the Lake Worth Utilities Authority plant site.

In an effort to assure compliance with the Department of Pollution Control standards for emission rates and air quality, Lake Worth Utilities Authority has worked closely with their oil supplier in predicting future fuel oil needs and corresponding availability. Load models and projections of anticipated fuel usage through 1982 have been submitted to the supplier.

Since the submission of the application, Lake Worth Utilities Authority has obtained, from Belcher Oil Company of Miami, a statement of intent (attached) to provide sufficient quantities of low sulfur residual oil. In addition, Lake Worth Utilities Authority and Belcher Oil Company are currently negotiating a multi-year contract for the purchase of the power plant fuel oil needs.

This contract, expected to be executed this summer, in conjunction with the existing natural gas contract (attached) will guarantee acceptable SO_2 emissions without stack gas removal.

PARTICULATE

A particulate control device will be installed in the boiler exhaust system to reduce particulate discharge rates to allowable levels. The

type of device has not yet been determined and is contingent upon final boiler design.

Additional information regarding SO_2 and particulate concentration levels is provided by the "Air Quality Impact Evaluation" included in the site plan. Studies were performed and data tabulated for various fuel types and stack heights.

$\underline{NO_x}$

Control of NO_x will be accomplished through boiler design. As indicated, NO_x emissions will conform to the Department of Pollution Control standards.

4.1 - SITE PREPARATION AND PLANT CONSTRUCTION

Unit S-5 will be an addition to the existing municipal generating station which has been in operation at the site since 1949. The site is presently dedicated to public works, water production, power generation and various other municipal activities.

Installation of the unit will at worst result in the demolition and restructuring of the south wall of the utility owned warehouse and line department building, located directly north of the proposed S-5 site and the excavation of existing parking areas and plant access roads to provide sufficient area for equipment installation. (see plot plan)

An alternate plan to lift and physically transport the warehouse building to a nearby location is also being considered, thus eliminating the demolition of the wall.

LAND USE

It is estimated that 25,000 (.6 acres) square feet of land area will be required to accomodate the total project, of which 37% will be occupied by the turbine-generator unit, 19% by the steam generator with auxiliaries, and 44% by the cooling tower. Access areas will be provided by utilizing existing pavement and plant service roadways. (see plot plan included in Site Plan)

WATER USE

Water usage of approximately 2 million gallons over the two year construction period is expected. Major use will be for soil compaction, flushing, cleaning, and pressure testing of various components (cooling tower, boiler, piping, etc.)

AIR QUALITY

Effects on air quality due to the increased truck traffic and heavy equipment in the immediate area during the construction period will be minimal, as will be the effect due to particulate matter caused by excavation, demolition and normal construction activities.

SOLID WASTE

Solid waste will consist of shipping material, form lumber, asphalt and concrete excavated from existing parking areas and utility access roads, general rubble, breakage and scrap. Such materials will be disposed of by construction contractors. Open burning disposal of solid waste will not be permitted.

NOISE LEVELS

Since Unit S-5 is to be erected at the existing utility facility which is shared by the power plant, public works department and water plant, the in-

crease in ambient noise levels will be minimal. The operation of heavy construction equipment will be the major contributor to the increase in local noise levels, since blasting, riveting, or jack hammering are not expected to be necessary.

WORK FORCE

During the estimated two year construction period, the number of workers present at the site will fluctuate considerably depending on contractor scheduling. A maximum of 70 workers is expected at the height of construction activity. Since the work force will be assembled from the local area, housing and education provisions will not be necessary.

4.2 - SPECIAL FEATURES

Lake Worth Utilities Authority intends to operate and equip Unit S-5 in such a manner as to conform to the allowable emission rates. An in-depth study of the operation of the system is described, and results tabulated in the "Air Quality Impact Evaluation" included with the Site Plan. Air Quality was shown to actually improve due to the installation of the higher efficiency Unit S-5.

SOLID WASTE GENERATION AND DISPOSAL

Particulate matter removed from the boiler exhaust gases will represent the only solid waste generated by Unit S-5, and this will occur only when operating on oil fuel. A city operated sanitary land fill project has agreed to accept the particulate matter from Lake Worth Utilities Authority. A further possibility for disposal of the materials is its possible sale for Vanadium recovery, but is dependent upon the demand for such material.

4.3 - ASSOCIATED TRANSMISSION FACILITIES CONSTRUCTION

There will be no associated transmission facilities involved in the construction and operation of Unit S-5. Generator leads from the unit will be run approximately 250 feet underground to the existing 138 kV substation.

4.4 - RESOURCES COMMITTED

There will be no irreversible or irretrievable commitments of resources associated with the construction of Unit S-5.

PALM BEACH COUNTY POPULATION DATA

Division of Population Studies-Bureau of Economic and Business Research

COUNTY City	1970 U. S. Census	Population Estimate for July 1, 1973	Total Population Change	% Increase
PALM BEACH	348,993	427,983	78,990	23
Atlantis	425	844	419	99
Belle Glade	15,949	17,077	1,128	7
Boca Raton	29,538	38,874	9,336	32
Boynton Beach	18,115	26,507	8,392	46
Briny Breeze	481	689	208	43
Cloud Lake	136	136	0	
Delray Beach	19,915	25,046	5,131	21
Glen Ridge	216	233	17	8
Golf Village	50	54	4	8
Golfview	201	207	6	3
Greenacres City	1,731	2,949	1,218	70
Gulf Stream	408	474	66	16
Haverhill	1,034	1,081	47	5
Highland Beach	624	1,406	782	125
Hypoluxo	336	354	18	5
Juno Beach	747	883	136	18
Jupiter	3,136	5,358	2,222	71
Jupiter Inlet Colony	396	448	52	13
Lake Clarke Shores	2,328	2,694	366	14
Lake Park	6,993	7,927	934	13
Lake Worth	23,714	25,934	2,220	9
Lantana	7,126	7,826	700	10
Manalapan	205	235	30	15
Mangonia Park	827	885	58	7
North Palm Beach	9,035	12,056	3,021	33
Ocean Ridge	1,074	1,155	81	8
Pahokee	5,663	5,944	281	5
Palm Beach	9,086	9,742	656	12
Palm Beach Gardens	6,102	8,315	2,213	36
Palm Beach Shores	1,214	1,419	205	17
Palm Springs	4,340	6,288	1,948	47
Riviera Beach	21,401	25,164	3,763	17
Royal Palm Beach	475	1,621	1,146	241
South Bay	2,958	3,026	68	2
South Palm Beach	188	367	179	95
Tequests Village	2,642	3,798	1,156	44
West Palm Beach	57,375	61,663	4,288	7
Unincorporated	92,809	119,304	26,495	29

BELCHER OIL COMPANY
ESTABLISHED 1915
BUNKER C · DIESEL · KEROSENE
P. O. BOX 1751
MIAMI, FLORIDA 33101

June 20, 1974

Florida Department of Pollution Control
2565 Executive Center Circle, East
Montgomery Building
Tallahassee, Florida 32301

Attention: Mr. Hamilton S. Oven, Jr.
Deputy Executive Director

Gentlemen:

At the request of the Lake Worth Utilities Authority, we are herewith stating our position in regard to the supply of low sulfur fuel oil as required for the projected mid-1978 operation of the Authority's proposed 75 MW unit.

In accordance with Federal Energy Office regulations, as set forth in the January 15, 1974, Federal Register, the Belcher Oil Company is the base period supplier of record for the Lake Worth Utilities Authority and, as such, is obligated to meet the Authority's fuel oil needs, as governed by the terms of the residual oil allocation program.

The Lake Worth Utilities Authority has provided us with their projected residual oil needs through Calendar Year 1983, including the amounts of low sulfur oil (0.75% or less) required for the operation of their proposed 75 MW unit. As you know, the future supply of low sulfur residual oil is quite uncertain, primarily due to the fact that these volumes will most likely have to originate outside the continental United States. We therefore cannot make an unqualified guarantee at this point in time. However, we do feel that through the use of our best efforts we should be able to supply the authority with its requested

Florida Department of Pollution Control
Attention: Mr. Hamilton S. Oven, Jr.
Deputy Executive Director

low sulfur residual oil for the mid-1978 operation of its 75 MW unit.

If you require additional information concerning this matter, please contact us.

Very truly yours,

J. F. Roehl, Jr.,
Vice President

smb

SERVICE AGREEMENT
FOR
PREFERRED INTERRUPTIBLE GAS SERVICE

THIS AGREEMENT executed in duplicate as of the 8th day of January, 1973 by and between FLORIDA PUBLIC UTILITIES COMPANY, a Florida corporation, hereinafter referred to as "Seller", party of the first part, and the LAKE WORTH UTILITIES AUTHORITY, CITY OF LAKE WORTH, located in the County of Palm Beach and the State of Florida, hereinafter referred to as "Buyer", party of the second part.

W I T N E S S E T H

WHEREAS, Seller is a public utility company engaged, among other businesses, in the sale and distribution of gas in the municipalities of Lake Worth, Palm Beach and West Palm Beach, Florida and vicinity;

WHEREAS, Buyer owns an electric generating plant situated at College Street and 3rd Avenue South in Lake Worth, Florida (hereinafter referred to as "Buyer's Plant") and desires to purchase from Seller interruptible natural gas service for use in Buyer's Plant, as hereinafter provided,

WHEREAS, it will be necessary for Seller to install additional facilities in order to supply natural gas service to Buyer as herein provided, and

WHEREAS, Seller must purchase natural gas from Florida Gas Transmission Company, hereinafter referred to as "Supplier", for resale to Buyer;

NOW, THEREFORE, in consideration of the premises and the covenants hereinafter contained and made by the parties hereto, the Seller and Buyer covenant and agree as follows:

ARTICLE I

Construction of Facilities and Commencement of Deliveries

1. This Agreement is subject to and contingent upon the ability of Seller to enter into a contract with Florida Gas Transmission Company for the Purchase of natural gas under and pursuant to said Supplier's Rate Schedule I, as filed with the Federal Power Commission, as said Rate Schedule I is now in effect or may hereafter be legally amended or superseded, and is further conditioned upon the ability of Seller to obtain and to continue to obtain the quantity and quality of natural gas from said Florida Gas Transmission Company required and stipulated herein. Furthermore, this Agreement is contingent upon the completion by Florida Gas Transmission Company of the construction of certain additional facilities to its system into the Lake Worth area, the cost of which is to be paid for by Buyer at an estimated cost of $182,000.00. If the cost exceeds $182,000.00, the Seller will, at Buyer's option, pay the additional cost and that amount paid for by the Seller will be repaid by the Buyer through a negotiated rate surcharge spread over the term of the contract. The cost of easements or rights of way are not included as part of the Buyer's costs.

2. This Agreement is subject to and contingent upon Seller purchasing from City of Lake Worth a parcel of land (approximately 100 feet by 100 feet in size) for a new City Gate and Regulating Station on the property now owned by the City of Lake Worth in Tracts 73 and 74 of Palm Beach Farms Company Plat No. 7 in Palm Beach County, Florida, and is further conditioned upon rezoning of said property to allow the construction and operation of a City Gate and Regulating Station. Seller recognizes that it must negotiate with the City Commission, City of Lake Worth, for the purchase of said land.

3. Seller will use due diligence to complete or cause the completion of the construction of new facilities to be constructed by Seller necessary for the commencement of deliveries hereunder.

4. In the event the contingent provisions of Section 1 and Section 2 above are not complied with, the terms of the Service Agreement for Preferred Interruptible Gas Service between Florida Public Utilities Company and the City of Lake Worth, dated May 15, 1968, now in effect shall remain in effect and in force.

ARTICLE II

Definitions

The following terms shall have the meanings defined below:

1. "Day" -- A period of 24 consecutive hours beginning and ending at 8:00 A.M. Eastern Standard Time or at such other hour as Buyer and Seller agree upon.

2. "Month" -- A period beginning on the first day of the calendar month and ending on the first day of the next succeeding calendar month.

3. "Year" -- A period of 365 days commencing with the day of first delivery of gas hereunder and each 365 days thereafter except that in a year having a date of February 29th such year shall consist of 366 days.

4. "Cubic foot of gas" -- The amount of gas necessary to fill a cubic foot of space when the gas is at a temperature of sixty degrees Fahrenheit (60^{o}F.) and under an absolute pressure of fourteen and seventy-three hundredths pounds per square inch (14.73 psia).

5. "Mcf" -- One thousand (1,000) cubic feet of gas.

6. "Btu" -- A British Thermal Unit.

7. "Therm" -- One hundred thousand (100,000) British Thermal Units.

8. "Interruptible gas" -- Natural gas which Seller purchases from Supplier under Supplier's FPC Gas Tariff, Volume No. 1, Rate Schedule I., as the same exists now or hereafter, or hereafter may be legally amended or superseded.

ARTICLE III

Subject to the terms and conditions of this Agreement, Seller agrees to sell and deliver to Buyer and Buyer agrees to purchase and receive from Seller the following daily quantities of interruptible natural gas:

Year	Minimum Daily Quantity (Therms)	Maximum Daily Quantity (Therms)
First Year	49,000	118,000
Second Year	49,000	118,000
Third Year and Subsequent Years	49,000	118,000

The maximum hourly quantity of gas available to Buyer under this contract shall be 7,000 therms (based on natural gas with a nominal heating value of 1,000 BTU per cubic foot). Seller may deliver to Buyer from time to time hourly quantities of gas in excess of the foregoing maximum on an if and when available basis, provided Seller's Supplier makes such gas available to Seller at Seller's points of purchase in Lake Worth; and provided further that such excess hourly quantities do not jeopardize deliverability of gas to Seller's other customers. The delivery of excess hourly quantities at any time shall not in any way set precedent that excess quantities will be made available at other times by Seller.

The total quantity of gas which will be available to Buyer under this contract (subject to interruption provisions thereof) during each service

year is 28,310,000 therms."

ARTICLE IV

Notice of Proposed Increase in Service

If the Buyer desires to purchase increased quantities of natural gas under this contract, the Buyer shall submit to the Seller at least sixty days in advance of the first day of the month it is proposed to purchase such increased quantities of natural gas, estimates of the increased annual and monthly gas requirements, the maximum daily and peak hour increased gas requirements, and if continuous operation of the Buyer's facilities is required, a description of standby facilities to be used during interruption or curtailment of gas deliveries. If, in the opinion of the Seller and the Supplier, these proposed increases in preferred interruptible deliveries warrant an increase in the Buyer's minimum daily purchase quantity, then the Seller shall notify the Buyer in writing of the increase in minimum daily purchase quantity. If the Seller's notice states that it will furnish the additional deliveries of preferred interruptible gas, the minimum daily purchase quantity shall be increased to the new quantity stated in the Seller's notice or to such other quantity as the Buyer and the Seller mutually agree upon, and the additional deliveries of preferred interruptible gas will become effective on such first day of the month as both parties agree upon. The request by the Buyer for increased deliveries shall not preclude it from making any subsequent requests for increased deliveries it desires.

ARTICLE V

Type of Service

Seller shall be liable to Buyer for damages sustained by Buyer if

the supply of gas is interrupted by accident or any other cause attributable to negligence of Seller, or curtailed or cut off by Seller because of a matter or matters resulting from the negligence of Seller; but in case the supply of gas is interrupted by accident or any other cause not attributable to negligence of Seller, or curtailed or cut off by Seller because of a matter or matters not resulting from the negligence of Seller, then the Seller shall not be held liable for damages on account of such interruption, curtailment or cut-off of service or any consequences resulting therefrom or from the restoration of service thereafter.

ARTICLE VI

Offering of Interruptible Gas

Seller agrees that it will not discriminate against Buyer in the offering of interruptible gas to Seller's customers and that if at any time Seller does not have interruptible gas available in quantities desired by Buyer and other customers who have contracted for the purchase thereof, it will offer its available supply of interruptible gas to all such customers, without discrimination, and pro rata in reasonable proportions to their Maximum Daily Quantities, provided that if any customer rejects his share of such interruptible gas Seller may offer such share to other customers in any manner Seller may elect. Whenever possible, Seller will endeavor to give Buyer notice two hours in advance of the time interruptible gas is available or must be curtailed or interrupted; provided, however, that if curtailment or interruption is occasioned by an event of force majeure affecting Seller's or its Supplier's system (as provided in Article XVII), Seller shall be obligated to give only such notice, if any, as is practicable in the circumstances.

ARTICLE VII

Unauthorized Over-Run Gas

If Buyer fails to curtail use of interruptible gas as requested by Seller, the quantity of gas so taken by Buyer by reason of its failure to comply with such order shall be considered as unauthorized over-run gas. Seller shall bill and Buyer shall pay for such unauthorized over-run gas at the rate of $1.50 per therm in addition to the charge otherwise payable hereunder. The payment of an over-run penalty shall not, under any circumstances, be considered as giving Buyer the right to take unauthorized over-run gas, nor shall such payment be considered to exclude or limit any other remedies available to Seller or another Customer of Seller against Buyer for failure to comply with its obligation to stay within the provisions of all offering or curtailment orders.

ARTICLE VIII

Rate

1. Subject to the provisions of 3 (a) below in this Article VIII and to the provisions of Article XXI hereof, Buyer agrees to pay Seller for all natural gas delivered to Buyer hereunder up to the maximum daily quantity at the following specified rate:

First	7,500	therms	consumed	per	month	@ 5.5¢ per therm
Next	7,500	"	"	"	"	@ 4.0¢ per therm
Next	525,000	"	"	"	"	@ 3.8¢ per therm
Over	540,000	"	"	"	"	@ 3.6¢ per therm

2. (a) Buyer agrees to take and pay for each month, or pay for each month whether actually taken during such month or not, at the rate hereinabove specified, from the date of first delivery of gas hereunder, the quantity of gas equal to the Minimum Daily Quantity specified in the Service

Agreement multiplied by the number of days in the month. In the event, however, that Seller is unable on any day or days within the month to deliver the quantity of gas designated as the Minimum Daily Quantity, Buyer's minimum purchase obligation on such day or days shall be the actual quantity of gas delivered by Seller on such day or days.

(b) If, in any month, the quantity of gas purchased hereunder by Buyer should be less than the applicable minimum purchase obligation as above provided and as a consequence Buyer is required to pay for gas not taken, then and in that event Buyer shall be entitled to receive delivery from Seller of such gas paid for but not taken without further charge at any time within the following eleven months by taking gas in such months in excess of the minimum purchase obligation.

(c) If and when, during any successive twelve-month period beginning on the anniversary date of the first delivery of gas to Buyer, Buyer has actually received (and paid for) that quantity of gas which is equal to the minimum purchase quantity multiplied by the number of days in such twelve-month period, Buyer shall have no minimum take-or-pay obligation during the remaining months in such twelve-month period.

3. It is understood and agreed that the above rate per therm is based on conditions at the time of the delivery of this executed contract. It is further agreed that Seller shall have the right to increase or decrease said rate per therm, and Buyer agrees to pay such increases or decreases as set forth in the following provisions, taken to the nearest mill ($0.001):

(a) The above rate for interruptible gas service is based upon the cost to Seller for natural gas purchased by Seller from Supplier under Rate Schedule I, Florida Gas Transmission Company, F.P.C. Gas Tariff, Original Volume No. 1 as submitted to the F.P.C. in revised form on June 15,

1962 and accepted for filing by order of the F.P.C. issued September 13, 1962 in F.P.C. Docket Nos. G-9262, G-9960, and G-18338. In the event that the Supplier makes effective, under the jurisdiction of a duly constituted regulatory body, any increase, decrease or change in rate affecting the cost to the Seller of gas purchased by Seller for sale by it on an interruptible basis, the price per therm in each subsequent billing period (beginning not earlier than the effective date of such increase or decrease or change in rate) shall be correspondingly changed.

(b) The rates herein shall be adjusted for the proportionate part of any directly allocable tax, impost or assessment imposed or levied by any governmental authority which may after January 1, 1963, be assessed or levied against the Seller or directly affect the Seller's cost of operation and which the Seller is legally obligated to pay on the basis of meters, customers or revenues from gas as a service or as a commodity or the volume of gas produced, purchased for sale or sold, or any other basis where direct allocation is possible.

ARTICLE IX

Point of Delivery

The point of delivery of all natural gas purchased under this Agreement shall be at the outlet of Seller's meter installed at Buyer's Plant. The Buyer hereby reaffirms the right of Seller to use all existing utility easements and the streets, alleys, parkways, parks and other property of the City in carrying said natural gas from the city limits of said City to the point of delivery over the most direct and economical route available at no additional cost to Seller for the use thereof.

ARTICLE X

Pressures

Seller shall deliver natural gas to Buyer at such uniform pressure as Buyer may reasonably require, and Seller may agree to up to but not exceeding fifty (50) pounds per square inch gauge at the point of delivery.

ARTICLE XI

Quality

Natural gas delivered by Seller to Buyer shall be natural gas as received by Seller from Supplier, provided Seller, at its option, may mix natural gas purchased from Supplier with propane-air or other manufactured gas prior to delivery to Buyer, and provided, further, that the gas as delivered to Buyer shall be of an equivalent quality to the natural gas purchased from Supplier.

ARTICLE XII

Measurement

The volume and total heating value of the gas shall be determined as follows:

1. Sales Unit. The sales unit of the gas shall be the therm, consisting of one hundred thousand (100,000) British thermal units. The number of therms delivered shall be determined by multiplying the number of cubic feet of gas delivered, measured on the measurement basis hereinafter specified, by the total heating value of such gas, in British thermal units per cubic foot, and by dividing the product by one hundred thousand (100,000).

2. Unit of Volume. The unit of volume, for the purpose of

measurement and for the determination of total heating value, shall be one cubic foot of gas at a temperature of sixty (60) degrees Fahrenheit and an absolute pressure of 14.73 psi.

3. Assumed Atmospheric Pressure. The average absolute atmospheric pressure shall be assumed to be fourteen and sixty-five hundredths (14.65) pounds to the square inch, irrespective of actual elevation or location of the point of delivery above sea level or variations in such atmospheric pressure from time to time.

4. Flowing Temperature. The arithmetical average of the temperature of the gas, flowing through the meters, as recorded by a recording thermometer, shall be used in computing gas volumes; where such installation is not provided, the temperature of the gas shall be assumed to be sixty (60) degrees Fahrenheit.

5. Orifice Meters. When orifice meters are used, volumes delivered shall be computed in accordance with the joint Bureau of Standards, A.G.A., A.S.M.E. specifications published in April 1955 and reprinted with revisions in January 1956, as Gas Measurement Committee Report No. 3 of the American Gas Association, and any other modifications and amendments thereof.

6. Specific Gravity. Specific gravity of the gas delivered shall be determined with an Edwards or other standard type gravity balance by test made as near the first of each month as practicable; or by a recording gravitometer of standard manufacture installed at a suitable location.

7. Total Heating Value. The total heating value of the gas delivered to Buyer shall be the total heating value of the natural gas as received by Seller and as measured by Seller's Supplier.

8. Saturation. The degree of saturation by water vapor of the gas delivered shall be as measured by Seller's Supplier.

ARTICLE XIII

Measuring Equipment

1. Installation and Operation. Seller will install, maintain and operate, at its own expense, at or near point of delivery, a meter or meters and other necessary measuring equipment by which the volume of gas delivered to Buyer shall be measured.

2. Check Measuring Equipment. Buyer may install, maintain and operate such check measuring equipment as it shall desire, provided that such equipment shall be so installed as not to interfere with the operation of Seller's measuring equipment. Seller shall have access to such check measuring equipment at all reasonable hours, but the reading, calibrating and adjusting thereof and the changing of charts shall be done only by Buyer.

3. Access to Equipment and Records. Both Seller and Buyer shall have the right to be present at the time of any installing, reading, cleaning, changing, repairing, inspecting, calibrating or adjusting done in connection with the other's measuring equipment used in measuring deliveries hereunder. The records from such measuring equipment shall remain the property of the owner, who upon request will submit to the other such records and charts, together with calculations therefrom, for the other's inspection and verification, subject to return within ten (10) days after receipt thereof.

4. Failure of Meters. In the event a meter is out of service or registering inaccurately, the volume of gas delivered hereunder shall be estimated:

(1) by using the registration of any check meter or meters if installed and accurately registering, or

(2) by correcting the error if the percentage of error is ascertainable by calibration, test or mathematical calculation, or

(3) by estimating the volume of delivery by deliveries during periods under similar conditions when the meter was registering accurately.

5. Test of Meters. The accuracy of the Seller's measuring equipment

preceding month. When information necessary for billing purposes is in the control of Buyer, Buyer shall furnish such information to Seller on or before the fifth (5th) day of each month.

2. Examination of Records. Both Seller and Buyer shall have the right to examine at reasonable times, books, records and charts of the other to the extent necessary to verify the accuracy of any statement, charge or computation made under or pursuant to any of the provisions of this Agreement.

3. Error in Billing. In the event an error is discovered in the amount billed in any statement rendered by Seller, such error shall be adjusted within thirty (30) days of the determination thereof, provided that claim therefor shall have been made within sixty (60) days from the date of discovery of such error, but in any event within twelve (12) months from the date of such statement.

4. Monthly Payment. Buyer shall pay Seller, at its designated office on or before the twentieth (20th) day of each month, for the natural gas delivered during the preceding month and billed by Seller in the statement for said month, according to such statement.

5. Interest on Unpaid Amounts. Should Buyer fail to pay the amount of any bill for service as herein provided when such amount is due, interest thereon shall accrue at the rate of six percent (6%) per annum from the due date until the day of payment. If such failure to pay continues for thirty (30) days after payment is due, Seller in addition to any other remedy it may have hereunder, may, without liability or damage and without terminating this agreement, suspend further delivery of gas until such amount is paid; provided, however, that if Buyer, in good faith, shall dispute the amount of any such bills or parts thereof and shall pay Seller

preceding month. When information necessary for billing purposes is in the control of Buyer, Buyer shall furnish such information to Seller on or before the fifth (5th) day of each month.

2. Examination of Records. Both Seller and Buyer shall have the right to examine at reasonable times, books, records and charts of the other to the extent necessary to verify the accuracy of any statement, charge or computation made under or pursuant to any of the provisions of this Agreement.

3. Error in Billing. In the event an error is discovered in the amount billed in any statement rendered by Seller, such error shall be adjusted within thirty (30) days of the determination thereof, provided that claim therefor shall have been made within sixty (60) days from the date of discovery of such error, but in any event within twelve (12) months from the date of such statement.

4. Monthly Payment. Buyer shall pay Seller, at its designated office on or before the twentieth (20th) day of each month, for the natural gas delivered during the preceding month and billed by Seller in the statement for said month, according to such statement.

5. Interest on Unpaid Amounts. Should Buyer fail to pay the amount of any bill for service as herein provided when such amount is due, interest thereon shall accrue at the rate of six percent (6%) per annum from the due date until the day of payment. If such failure to pay continues for thirty (30) days after payment is due, Seller in addition to any other remedy it may have hereunder, may, without liability or damage and without terminating this agreement, suspend further delivery of gas until such amount is paid; provided, however, that if Buyer, in good faith, shall dispute the amount of any such bills or parts thereof and shall pay Seller

such amounts as it concedes to be correct and at any time thereafter within thirty (30) days of a demand made by Seller, shall furnish a good and sufficient surety bond, in amount and with sureties satisfactory to Seller, conditioned upon the payment of any amounts ultimately found due upon such bills after a final determination, which may be reached either by agreement or judgment of the courts as may be the case, Seller shall not be entitled to suspend further delivery of gas unless and until default be made in the conditions of such bond.

ARTICLE XV

Warranty of Title to Gas

Seller agrees that it will and it hereby does warrant for itself, its successors and assigns, that at the time of delivery it will have good title to all natural gas delivered by it to Buyer hereunder, free and clear to all liens, encumbrances and claims whatsoever.

ARTICLE XVI

Possession of Gas and Indemnification

1. As between Buyer and Seller, Seller shall be deemed to be in control and possession of the gas deliverable hereunder until it shall have been delivered to Buyer at the point of delivery after which Buyer shall be deemed to be in control and possession thereof.

2. Buyer shall have no responsibility with respect to any gas deliverable hereunder until it is delivered to Buyer or on account of anything which may be done, happen or arise with respect to said gas before such delivery, and Seller shall have no responsibility with respect to such

gas after its delivery to Buyer or on account of anything which may be done, happen or arise with respect to said gas after such delivery.

3. Buyer shall indemnify and hold harmless the Seller from any and all loss or damage sustained, and from any and all liability to any persons or for any property incurred, by the Seller by reason of any act of the Buyer, its agents or employees, in the receiving, use or application of said gas on the Buyer's side of the point of delivery unless the same shall be due to the sole negligence of the Seller, its agents or employees; and the Seller shall indemnify and hold harmless the Buyer from any and all loss or damage sustained, and from any and all liability to any persons or for any property incurred, by the Buyer by reason of any act on the part of the Seller, its agents or employees, in the transmission, use or delivery of said gas on the Seller's side of the point of delivery unless the same shall be due to the sole negligence of the Buyer, its agents or employees; provided, however, that each party agrees to indemnify and hold harmless the other party in respect of any injury or damage suffered by its own employees and arising out of the relationships created by execution of this Agreement.

ARTICLE XVII

Force Majeure

1. In the event of either party, Seller or Buyer, being rendered unable wholly or in part by force majeure to carry out its obligations under this Agreement, other than to make payments due thereunder, it is agreed that on such party giving notice and full particulars of such force majeure to the other party as soon as possible after the occurrence of the cause relied on,

then the obligations of the party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of any inability so caused but for no longer period, and such cause shall as far as possible be remedied with all reasonable dispatch.

2. The term "force majeure" as employed herein shall mean acts of God, strikes, lockouts, or other industrial disturbances, acts of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrest and restraints of governments and people, civil disturbances, explosions, breakage or accidents to machinery or lines or pipe, the necessity for making repairs or alterations to machinery or lines or pipe, freezing of wells or lines or pipe, partial or entire failure of Supplier to deliver natural gas to Seller in the quantities required by Seller, and any other cause, whether of the kind herein enumerated or otherwise, not within the control of the party claiming suspension and which by the exercise of due diligence such party is unable to prevent or overcome; such term shall likewise include (a), in those instances where either party is required to obtain servitudes, rights-of-way grants, permits or licenses to enable such party to fulfill its obligations hereunder, the inability of such party to acquire or the delays on the part of such party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such servitudes, rights-of-way grants, permits or licenses; and (b), in those instances where either party is required to furnish materials and supplies for the purpose of constructing or maintaining facilities or is required to secure grants or permissions from any governmental agency to enable such party to fulfill its obligations hereunder, the inability of such party to acquire, or the delays on the part of such

party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such materials and supplies, permits and permissions.

3. It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the party having the difficulty and that the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts by acceding to the demands of opposing party when such course is inadvisable in the discretion of the party having the difficulty.

ARTICLE XVIII

Term of Agreement

This Agreement shall be effective on the date that Seller's contract with Supplier for the gas to be purchased and delivered hereunder becomes effective and shall continue in effect for a period of ten years from the date of first delivery of gas hereunder, and from year to year thereafter unless and until terminated either by Seller or Buyer upon twelve (12) months' prior written notice to the other specifying a termination date at the end of such period or any yearly period thereafter.

ARTICLE XIX

Notices

All notices hereunder shall be given in writing at the addresses specified from time to time, except that notices with respect to curtailment, limitations, or restoration of deliveries of gas or with respect to force majeure shall be sufficient if given in writing or by telegram or orally in person or by telephone or radio to the person or persons designated from time to time as authorized to receive the same.

ARTICLE XX

Rules and Regulations

The sale and purchase of all natural gas hereunder shall be subject to and governed by Seller's Rules and Regulations as filed with the Florida Public Service Commission of the State of Florida and which are made a part hereof and incorporated herein by reference, and except as otherwise herein defined or supplemented below all of the terms therein defined are used herein with the meanings therein defined.

ARTICLE XXI

Regulatory Authority

This Agreement is made and entered into, and shall, at all times, be subject to the valid orders, rules and regulations of all duly constituted authorities having jurisdiction over Seller and Seller's business of purchasing and selling natural gas.

ARTICLE XXII

Miscellaneous

1. No waiver by either party of any one or more defaults by the other in the performance of any provisions of this Agreement shall operate or be construed as a waiver of any future default or defaults, whether of a like or a different character.

2. This Agreement shall be interpreted, performed and enforced in accordance with the laws of the State of Florida.

3. No modification of the terms and provisions of this Agreement shall be or become effective except by the execution of a new agreement.

4. This Agreement shall be binding upon, and inure to the benefit of the parties hereto and their respective successors and assigns, but shall not be assigned or be assignable by Buyer without the consent in writing of Seller first obtained.

5. This instrument (with portions included by reference) constitutes the entire contract between the parties.

IN WITNESS WHEREOF, the parties hereunto have caused this Agreement to be duly executed by their respective officers as of the day and year first above written.

FLORIDA PUBLIC UTILITIES COMPANY

By _____
President

Attest:
_____
Secretary

(CORPORATE SEAL)

LAKE WORTH UTILITIES AUTHORITY

By _____
Chairman

Attest:
_____
Secretary

(CORPORATE SEAL)