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4066
Rev. 10-58

PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: BALBOA HEIGHTS **Month:** January, 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	91	75	83	92	68	82	0
2	91	73	82	94	68	84	0
3	91	75	83	92	68	83	0
4	89	77	83	90	74	83	0
5	89	77	83	86	70	80	0
6	90	76	83	89	70	81	0
7	90	75	82	90	66	80	0
8	92	75	84	92	64	81	0
9	92	74	83	90	66	82	0
10	90	75	82	94	73	87	.10
11	90	75	82	95	76	88	0
12	90	76	83	95	74	87	0
13	91	76	84	90	66	81	0
14	90	74	82	91	63	78	0
15	89	74	82	88	66	78	0
16	92	72	82	90	60	77	0
17	92	74	83	92	68	82	0
18	91	74	82	95	74	87	0
19	92	75	84	96	68	87	0
20	92	74	83	96	66	84	0
21	91	72	82	97	70	86	0
22	91	73	82	95	74	88	0
23	92	74	83	96	72	87	0
24	90	74	82	96	72	86	0
25	91	73	82	96	70	85	0
26	92	76	84	94	71	84	0
27	92	75	84	96	70	84	0
28	92	74	83	96	70	86	0
29	89	75	82	93	72	83	0
30	90	75	82	90	66	81	0
31	90	77	84	92	74	86	0
Sum	2814	2314		2878	2149		.10
Mean	90.8	74.6	82.7	92.8	69.3	83.5	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	T	1969	2.96
1965	1.35	1970	3.69
1966	2.42	1971	8.89
1967	.19	1972	10.37
1968	T	1973	.10

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.833
Departure from normal -.009
Highest 29.98 Date 14
Lowest 29.71 Date 5

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 82.7
Departure from normal +2.6
Highest 92 Date 20+
Lowest 72 Date 21

RAINFALL
(Inches)

Total .10
Departure from normal -1.27
Greatest in 24 hours .10
Date 10

WIND

Average hourly velocity 9.1 mph.
Prevailing direction NW
Maximum for five minutes 28
mph. from the N on the 13

SUNSHINE

Average number hours per day 10.1
Percentage of possible 86

NUMBER OF DAYS

Clear 6
Partly Cloudy 21
Cloudy 4
.01 inch of rain or more 1
Thunderstorms 0
Light fog 0
Dense fog 0

Number of hours with rain 2

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

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U. S. Dept. of Commerce

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: BALBOA HEIGHTS **Month:** February 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	94	77	86	94	68	84	0
2	94	76	85	97	67	82	0
3	91	77	84	86	67	78	0
4	91	77	84	86	62	76	0
5	92	76	84	88	64	79	0
6	92	72	82	93	63	80	0
7	94	72	83	94	61	78	0
8	92	72	82	92	63	81	0
9	88	72	80	95	71	86	0
10	92	72	82	98	66	84	0
11	87	74	80	92	69	85	T
12	89	74	82	92	68	81	0
13	90	72	81	94	68	83	0
14	90	72	81	97	70	86	0
15	92	72	82	96	69	86	0
16	92	76	84	94	64	81	0
17	91	74	82	94	68	82	0
18	91	76	84	92	64	80	0
19	91	76	84	90	65	80	0
20	92	76	84	88	62	80	0
21	91	76	84	88	64	78	0
22	92	74	83	89	64	80	0
23	90	71	80	92	65	79	0
24	91	73	82	91	64	79	0
25	92	75	84	90	62	76	0
26	94	75	84	93	65	83	0
27	94	75	84	95	66	83	0
28	92	74	83	92	67	82	0
29							
30							
31							
Sum	2561	2078		2582	1836		T
Mean	91.5	74.2	82.8	92.2	65.6	81.1	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	0.46	1969	1.70
1965	0.08	1970	0.07
1966	T	1971	0.33
1967	T	1972	1.56
1968	1.73	1973	T

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.873
Departure from normal +.019
Highest 29.98 Date 7
Lowest 29.70 Date 1

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 82.8
Departure from normal +2.2
Highest 94 Date 7
Lowest 71 Date 23

RAINFALL
(Inches)

Total T
Departure from normal -0.66
Greatest in 24 hours T
Date 11

WIND

Average hourly velocity 9.2 mph.
Prevailing direction NW
Maximum for five minutes 30
mph. from the NW & N on the 3 & 4

SUNSHINE

Average number hours per day 6.0
Percentage of possible 84

NUMBER OF DAYS

Clear 10
Partly Cloudy 14
Cloudy 4
.01 inch of rain or more 0
Thunderstorms 0
Light fog 0
Dense fog 0

Number of hours with rain 0

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** March 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	93	75	84	94	67	81	0
2	93	75	84	94	66	79	0
3	92	74	83	92	66	80	0
4	92	75	84	91	65	80	0
5	93	76	84	91	66	80	0
6	93	77	85	89	66	79	0
7	94	76	85	92	64	78	0
8	92	73	82	90	67	79	0
9	93	73	83	94	64	83	0
10	95	74	84	96	62	86	.01
11	92	74	83	95	67	84	0
12	94	74	84	95	66	82	0
13	94	77	86	94	62	77	0
14	93	76	84	92	67	81	0
15	95	76	86	94	66	82	0
16	93	77	85	92	70	83	0
17	92	76	84	94	68	83	0
18	95	78	86	88	64	78	0
19	93	76	84	89	64	78	0
20	90	77	84	90	72	84	0
21	92	77	84	92	70	82	0
22	94	77	86	91	64	81	0
23	92	78	85	89	68	81	.03
24	91	77	84	90	69	84	0
25	89	76	82	93	71	86	0
26	93	76	84	92	70	83	0
27	92	76	84	94	71	83	0
28	92	74	83	94	64	80	0
29	93	75	84	92	68	82	0
30	95	76	86	92	64	78	0
31	92	75	84	92	68	81	0
Sum	2876	2346		2857	2066		.04
Mean	92.8	75.7	84.2	92.2	66.6	81.3	

TOTAL RAINFALL FOR THIS MONTH IN:

19	64 T	19	69 .37
19	65 0	19	70 .68
19	66 .10	19	71 .66
19	67 1.72	19	72 .47
19	68 .78	19	73 .04

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.831
Departure from normal -.012
Highest 29.95 Date 12
Lowest 29.71 Date 14 +

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 84.2
Departure from normal +2.5
Highest 95 Date 30
Lowest 73 Date 8

RAINFALL
(Inches)

Total .04
Departure from normal -0.56
Greatest in 24 hours .03
Date 23

WIND

Average hourly velocity 8.6 mph.
Prevailing direction NW
Maximum for five minutes 30
mph. from the NW on the 21st

SUNSHINE

Average number hours per day 10.4
Percentage of possible 86

NUMBER OF DAYS

Clear 4
Partly Cloudy 24
Cloudy 3
.01 inch of rain or more 2
Thunderstorms 0
Light fog 0
Dense fog 0

Number of hours with rain 2

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** April, 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	93	75	84	92	62	79	0
2	93	72	82	91	67	82	0
3	92	73	82	94	66	81	0
4	96	73	84	94	60	79	0
5	95	76	86	90	61	79	0
6	95	79	87	86	60	77	0
7	95	78	86	88	64	77	0
8	88	74	81	90	70	83	0
9	93	75	84	91	66	82	0
10	90	76	83	92	66	82	0
11	95	77	86	88	57	73	0
12	96	77	86	84	54	70	0
13	90	76	83	88	68	79	.02
14	94	77	86	90	62	78	0
15	94	78	86	86	61	76	0
16	94	76	85	88	62	76	0
17	92	74	83	89	61	79	.01
18	94	74	84	93	66	82	0
19	92	77	84	92	69	83	0
20	93	78	86	93	66	81	.31
21	88	78	83	93	72	87	.82
22	84	77	80	93	80	89	.06
23	90	77	84	93	74	87	0
24	90	73	82	96	71	87	.13
25	91	74	82	95	66	86	0
26	88	77	82	94	80	89	0
27	91	79	85	90	70	83	0
28	96	77	86	91	64	81	0
29	96	80	88	88	66	78	0
30	96	79	88	86	62	77	0
31							
Sum	2774	2286		2718	1973		1.35
Mean	92.5	76.2	84.4	90.6	65.8	80.7	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	6.54	1969	6.76
1965	.26	1970	3.19
1966	3.19	1971	3.10
1967	5.96	1972	8.52
1968	.57	1973	1.35

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.831
Departure from normal 0
Highest 29.93 Date 10
Lowest 29.71 Date 3

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 84.4
Departure from normal +2.2
Highest 96 Date 4
Lowest 72 Date 2

RAINFALL
(Inches)

Total 1.35
Departure from normal -1.50
Greatest in 24 hours 1.13
Date 20 & 21

WIND

Average hourly velocity 7.1 mph.
Prevailing direction NW
Maximum for five minutes 25
mph. from the N on the 14

SUNSHINE

Average number hours per day 8.9
Percentage of possible 72

NUMBER OF DAYS

Clear 2
Partly Cloudy 21
Cloudy 7
.01 inch of rain or more 6
Thunderstorms 1
Light fog 0
Dense fog 0

Number of hours with rain 13

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ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

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MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** May 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	92	77	84	90	67	82	.46
2	89	78	84	90	72	85	.18
3	87	76	82	91	74	87	.30
4	92	76	84	89	64	80	0
5	91	76	84	90	68	82	.24
6	90	77	84	94	75	90	.96
7	87	77	82	94	80	91	.63
8	87	76	82	94	80	91	0
9	89	77	83	94	76	90	T
10	93	76	84	94	70	87	0
11	95	76	86	95	67	85	0
12	92	76	84	94	72	84	0
13	93	77	85	94	64	79	0
14	92	78	85	92	69	86	.65
15	90	76	83	98	74	93	.93
16	80	74	77	99	93	96	.42
17	84	75	80	96	82	90	.03
18	85	74	80	97	84	92	.04
19	81	75	78	98	84	91	.55
20	85	75	80	90	80	86	.98
21	86	78	82	92	80	86	.14
22	87	77	82	94	78	87	.10
23	89	76	82	94	80	90	.24
24	87	76	82	95	83	90	0
25	85	76	80	95	85	91	0
26	86	76	81	96	81	92	0
27	86	77	82	95	84	92	0
28	88	74	81	96	83	94	.47
29	92	74	83	96	79	93	1.16
30	84	73	78	97	84	93	.09
31	83	75	79	97	87	94	.62
Sum	2727	2354		2920	2399		9.19
Mean	88.0	75.9	82.0	94.2	77.4	88.8	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	6.72	1969	7.64
1965	13.14	1970	12.85
1966	13.40	1971	5.51
1967	5.22	1972	6.87
1968	6.84	1973	9.19

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.847
Departure from normal +.021
Highest 29.95 Date 17 & 18 & 19
Lowest 29.72 Date 12

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 82.0
Departure from normal +1.0
Highest 95 Date 11
Lowest 73 Date 30

RAINFALL
(Inches)

Total 9.19
Departure from normal +1.17
Greatest in 24 hours 1.33
Date 15 & 16

WIND

Average hourly velocity 5.1 mph.
Prevailing direction NW
Maximum for five minutes 30
mph. from the NE on the 28

SUNSHINE

Average number hours per day
Percentage of possible

NUMBER OF DAYS

Clear 0
Partly Cloudy 11
Cloudy 20
.01 inch of rain or more 20
Thunderstorms 6
Light fog 0
Dense fog 0

Number of hours with rain 77

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

U. S. D...

Station: Balboa Heights **Month:** June 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	84	74	79	97	86	94	.04
2	89	75	82	96	78	92	.32
3	86	76	81	96	82	91	0
4	86	76	81	95	84	91	0
5	85	77	81	95	86	92	0
6	85	76	80	95	85	93	.11
7	87	75	81	95	82	90	0
8	88	76	82	95	79	91	.11
9	90	76	83	96	79	90	T
10	90	78	84	98	76	91	.10
11	81	72	76	98	89	96	2.83
12	84	74	79	96	86	93	0
13	84	76	80	96	86	93	1.17
14	88	75	82	95	81	91	0
15	88	77	82	95	84	92	.02
16	86	75	80	97	85	95	.04
17	86	75	80	97	84	93	.06
18	82	75	78	97	92	96	1.23
19	81	75	78	96	90	94	.01
20	89	75	82	95	81	93	.27
21	82	72	77	96	86	92	.28
22	85	74	80	96	84	92	.04
23	76	72	74	97	96	97	3.72
24	84	72	78	97	84	93	0
25	84	73	78	97	82	92	.39
26	84	75	80	97	86	94	1.61
27	80	74	77	100	86	96	.26
28	88	71	80	100	81	94	.92
29	85	73	79	98	85	94	.06
30	83	74	78	97	88	94	.09
31							
Sum	2550	2238		2895	2533		13.68
Mean	85.0	74.6	79.8	96.5	84.4	92.9	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	6.07	1969	6.06
1965	4.91	1970	5.35
1966	13.90	1971	6.84
1967	6.53	1972	16.97
1968	7.74	1973	13.68

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.847
Departure from normal +.016
Highest 29.97 Date 27
Lowest 29.75 Date 3

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.8
Departure from normal -0.3
Highest 90 Date 10
Lowest 71 Date 28

RAINFALL
(Inches)

Total 13.68
Departure from normal +5.50
Greatest in 24 hours 3.76
Date 22 & 23

WIND

Average hourly velocity 4.3 mph.
Prevailing direction NW
Maximum for five minutes 18
mph. from the NW on the 7

SUNSHINE

Average number hours per day -
Percentage of possible -

NUMBER OF DAYS

Clear 0
Partly Cloudy 1
Cloudy 29
.01 inch of rain or more 22
Thunderstorms 13
Light fog 0
Dense fog 0

Number of hours with rain 101

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** July 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	81	74	78	97	89	96	.57
2	89	74	82	98	80	94	.17
3	86	76	81	98	84	94	.79
4	89	76	82	94	77	91	T
5	85	76	80	94	82	90	.04
6	88	76	82	94	80	89	0
7	89	76	82	96	78	90	.10
8	89	77	83	93	80	89	0
9	91	77	84	96	76	92	1.50
10	90	76	83	96	78	92	.71
11	88	76	82	94	75	90	.13
12	89	76	82	97	80	91	0
13	88	76	82	98	82	93	0
14	87	76	82	93	79	89	0
15	88	76	82	94	78	90	.98
16	89	75	82	92	78	88	.05
17	88	76	82	94	78	89	.07
18	84	76	80	94	86	91	.29
19	87	74	80	97	78	92	1.10
20	82	74	78	98	82	93	.15
21	83	76	80	89	77	84	0
22	85	76	80	91	78	85	0
23	86	74	80	96	78	88	1.03
24	80	74	77	96	90	95	.87
25	84	75	80	96	82	91	.20
26	85	75	80	94	79	89	.01
27	89	74	82	95	76	89	.21
28	84	74	79	95	82	92	.10
29	88	74	81	93	74	86	0
30	83	76	80	91	84	90	.31
31	85	72	78	94	78	88	0
Sum	2679.	2333.		2937.	2478.		9.38
Mean	86.4	75.3	80.8	94.7	79.9	90.3	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	5.38	1969	4.81
1965	3.64	1970	5.91
1966	11.39	1971	5.26
1967	8.11	1972	2.67
1968	10.42	1973	9.38

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.850
Departure from normal +.019
Highest 29.97 Date 28
Lowest 29.73 Date 27

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.8
Departure from normal +0.4
Highest 91 Date 9
Lowest 72 Date 31

RAINFALL
(Inches)

Total 9.38
Departure from normal +2.06
Greatest in 24 hours 1.90
Date 23& 24

WIND

Average hourly velocity 5.8 mph.
Prevailing direction NW
Maximum for five minutes 20
mph. from the NW on the 15

SUNSHINE

Average number hours per day
Percentage of possible

NUMBER OF DAYS

Clear 0
Partly Cloudy 6
Cloudy 25
.01 inch of rain or more 21
Thunderstorms 11
Light fog 0
Dense fog 0

Number of hours with rain 67

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** August, 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	80	73	76	94	84		0
2	83	74	78	92	82		T
3	86	72	79	93	78		T
4	87	74	80	94	76		0
5	90	74	82	94	74		.10
6	82	76	79	94	88		.01
7	86	73	80	96	80		.17
8	89	75	82	94	78		0
9	88	76	82	94	77		.01
10	86	76	81	94	84		.02
11	83	72	78	94	80		.33
12	86	72	79	95	76		.01
13	90	74	82	93	74		0
14	88	75	82	93	77		.03
15	85	75	80	94	80		0
16	84	75	80	92	74		T
17	88	74	81	94	74		.20
18	90	74	82	94	76		0
19	86	76	81	96	80		.08
20	82	75	78	94	76		1.30
21	86	73	80	96	80		0
22	82	75	78	93	85		0
23	88	73	80	94	76		.19
24	86	75	80	95	79		.04
25	86	74	80	96	78		0
26	86	75	80	93	78		.39
27	86	75	80	94	79		.11
28	82	74	78	94	84		.80
29	84	76	80	92	82		.28
30	86	76	81	94	77		.02
31	86	75	80	94	77		.01
Sum	2657.	2306.	2479.	2913.	2443.		4.10.
Mean	85.7.	74.4.	80.0.	94.5.	78.8.		

TOTAL RAINFALL FOR THIS MONTH IN:

19	9.60.	19	11.66.
19	7.74	19	6.92.
19	3.54.	19	9.54.
19	12.14.	19	6.32.
19	8.04.	19	4.10.

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.813.
Departure from normal +.019.
Highest 29.94. Date 3.
Lowest 29.80. Date 10.

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.0.
Departure from normal -0.2.
Highest 90. Date 5.
Lowest 72. Date 11.

RAINFALL
(Inches)

Total 4.10.
Departure from normal +3.59.
Greatest in 24 hours +1.38.
Date 19 & 20

WIND

Average hourly velocity ..... mph.
Prevailing direction
Maximum for five minutes 18
mph. from the NW on the 18.

SUNSHINE

Average number hours per day -
Percentage of possible -

NUMBER OF DAYS

Clear 0.
Partly Cloudy 7.
Cloudy 24.
.01 inch of rain or more 19.
Thunderstorms 4.
Light fog 0.
Dense fog 0.

Number of hours with rain

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** September 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	86	75	80	94	80	87	.17
2	81	74	78	94	86	90	.92
3	84	76	80	94	80	87	.24
4	86	75	80	94	77	86	0
5	85	77	81	92	78	85	0
6	85	77	81	93	78	86	0
7	86	76	81	94	78	86	.04
8	85	75	80	94	80	87	0
9	87	74	80	94	76	85	0
10	86	76	81	92	84	88	.01
11	87	75	81	96	74	85	.03
12	86	74	80	93	75	84	T
13	82	75	78	93	81	87	1.72
14	86	74	80	96	76	86	.12
15	82	76	79	94	89	92	1.14
16	82	73	78	98	90	94	1.01
17	82	73	78	96	86	91	.18
18	85	74	80	98	74	86	.31
19	83	74	78	92	84	88	.18
20	87	74	80	94	77	86	0
21	88	75	82	94	78	86	.12
22	80	75	78	95	89	92	.15
23	88	75	82	95	77	86	0
24	86	75	80	93	80	86	1.49
25	83	74	78	96	84	90	0
26	84	73	78	94	80	87	0
27	83	75	79	94	84	89	.17
28	86	74	80	94	77	86	.16
29	84	76	80	96	80	88	.37
30	88	73	80	96	73	84	0
31							
Sum	2543	2242	2391	2832	2405	2620	8.53
Mean	84.8	74.7	79.7	94.4	80.2	87.4	

TOTAL RAINFALL FOR THIS MONTH IN:

19		19	
19		19	
19		19	
19		19	
19		19	

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean: 29.859
Departure from normal: +.033
Highest: 29.95 Date: 5
Lowest: 29.74 Date: 21

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean: 78.6
Departure from normal: -7.2
Highest: 88 Date: 24
Lowest: 73 Date: 16

RAINFALL
(Inches)

Total: 8.53
Departure from normal: +0.61
Greatest in 24 hours: 1.72
Date: 13

WIND

Average hourly velocity: 4.3 mph.
Prevailing direction: S
Maximum for five minutes: 17
mph. from the NE on the 18

SUNSHINE

Average number hours per day: --
Percentage of possible: --

NUMBER OF DAYS

Clear: 0
Partly Cloudy: 12
Cloudy: 18
.01 inch of rain or more: 19
Thunderstorms: 3
Light fog: 0
Dense fog: 0

Number of hours with rain: 73

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** October 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	89	75	82	98	74	86	1.55
2	86	75	80	98	76	87	.78
3	85	74	80	98	74	86	.60
4	79	73	76	98	78	88	.15
5	84	76	80	96	74	85	.03
6	84	76	80	96	70	83	.26
7	86	73	80	97	76	86	.03
8	82	72	77	96	86	91	1.97
9	86	74	80	93	79	86	0
10	86	75	80	94	76	85	.06
11	83	76	80	97	84	90	2.26
12	79	75	77	95	86	90	.83
13	82	74	78	94	86	90	.85
14	82	74	78	94	81	88	0
15	84	74	79	93	73	83	0
16	80	76	78	96	89	92	T
17	85	76	80	100	80	90	0
18	84	73	78	98	75	86	2.15
19	85	73	79	98	73	86	0
20	84	74	79	96	77	86	.02
21	84	74	79	98	78	88	.31
22	85	72	78	98	74	86	0
23	84	73	76	98	76	87	.98
24	86	74	80	98	74	86	.27
25	85	72	78	98	78	88	0
26	86	73	80	96	74	85	0
27	86	75	80	96	70	83	1.17
28	88	74	81	97	76	86	0
29	90	76	83	96	77	86	.01
30	86	75	80	98	77	88	.19
31	90	75	82	98	76	87	0
Sum	2625	2301	-	2996	2397	2694	14.47
Mean	84.7	74.2	79.4	96.6	79.9	86.9	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	13.90	1969	6.84
1965	6.53	1970	16.97
1966	7.74	1971	13.68
1967	6.06	1972	8.51
1968	5.35	1973	14.45

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.806
Departure from normal -0.021
Highest 29.93 Date 18
Lowest 29.68 Date 10

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.4
Departure from normal +0.1
Highest 90 Date 31
Lowest 72 Date 8

RAINFALL
(Inches)

Total 14.47
Departure from normal +3.72
Greatest in 24 hours 2.26
Date 11

WIND

Average hourly velocity 5.2 mph.
Prevailing direction S
Maximum for five minutes 21
mph. from the S on the 17

SUNSHINE

Average number hours per day
Percentage of possible

NUMBER OF DAYS

Clear
Partly Cloudy 10
Cloudy 21
.01 inch of rain or more 20
Thunderstorms 5
Light fog 1
Dense fog 1

Number of hours with rain 93

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

ATMOS

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights C. Z. **Month:** November, 1973

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	87	74	80	98	66	82	.16
2	87	75	81	98	74	86	.10
3	84	75	80	92	82	87	.25
4	88	76	82	98	74	86	.01
5	84	75	80	97	78	88	.42
6	82	74	78	98	82	90	1.39
7	82	70	76	98	86	92	.41
8	86	75	80	98	74	86	0
9	84	74	79	100	77	85	2.58
10	78	72	75	98	86	92	1.07
11	83	74	78	97	78	88	.11
12	84	74	79	96	74	85	.21
13	85	74	80	96	73	84	.09
14	85	73	79	96	73	84	1.20
15	82	74	78	96	80	88	.35
16	76	73	79	96	88	92	1.43
17	82	75	78	96	80	88	.52
18	85	76	80	92	75	83	.02
19	84	74	79	92	76	84	0
20	84	75	80	95	77	86	0
21	88	74	81	96	67	82	.10
22	86	76	81	96	72	84	0
23	80	74	77	97	86	92	.48
24	84	75	80	96	78	87	.29
25	87	74	80	97	72	84	.57
26	87	75	81	96	73	84	1.06
27	85	74	80	95	77	86	.79
28	87	74	80	94	73	84	.39
29	82	73	78	96	78	87	.71
30	88	72	80	94	60	77	
31							
Sum	2526	2223	2379	2884	2289	2583	14.71
Mean	84.2	74.1	79.3	96.1	76.3	86.1	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	10.49	1968	7.43
1964	12.01	1969	12.25
1965	17.16	1970	7.96
1966	9.18	1971	10.49
1967	11.87	1972	6.53

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.830
Departure from normal + .008
Highest _____ Date _____
Lowest _____ Date _____

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.3
Departure from normal +.1
Highest 29.97 Date 30
Lowest 29.73 Date 4

RAINFALL
(Inches)

Total 14.71
Departure from normal +4.37
Greatest in 24 hours 2.58
Date November 9, 1973

WIND

Average hourly velocity 4.4 mph.
Prevailing direction NW
Maximum for five minutes 29
mph. from the S on the 16

SUNSHINE

Average number hours per day –
Percentage of possible _____

NUMBER OF DAYS

Clear 0
Partly Cloudy 0
Cloudy 30
.01 inch of rain or more 25
Thunderstorms 2
Light fog –
Dense fog –

Number of hours with rain 121

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights C. Z. **Month:** December 1973

Date	Air Temperature (Deg. C.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	32.2	22.3	28.1	96	62	79	0
2	29.4	20.6	25.0	93	70	82	.30
3	30.7	21.7	26.2	90	64	77	.60
4	29.5	22.0	25.8	95	66	80	.74
5	30.8	21.9	26.4	94	72	83	.08
6	31.1	21.7	26.4	95	73	84	.34
7	29.0	22.2	25.6	93	78	88	.12
8	29.7	21.9	25.8	94	78	86	1.06
9	29.4	22.1	25.7	94	78	86	.11
10	29.6	22.4	26.0	95	77	86	1.31
11	31.0	21.8	26.4	94	70	82	0
12	31.4	21.3	26.3	93	66	80	.02
13	30.8	21.0	25.9	94	71	82	.43
14	29.8	21.7	25.8	94	75	84	0
15	30.8	21.7	26.2	93	72	82	0
16	31.7	22.6	27.2	94	76	85	0
17	30.8	21.8	26.7	94	71	82	.04
18	30.1	22.3	26.2	93	71	82	0
19	33.9	21.1	27.5	93	70	82	0
20	30.3	22.3	26.3	94	74	84	0
21	31.5	21.7	26.6	94	66	80	0
22	31.1	22.0	26.6	92	68	80	0
23	30.0	21.1	25.6	92	72	82	.02
24	30.9	21.9	26.4	92	68	80	0
25	29.9	22.8	26.4	95	77	86	.19
26	31.7	23.2	27.4	94	75	84	.07
27	30.2	22.0	26.1	94	76	85	1.22
28	29.4	22.4	25.9	97	75	86	.24
29	28.5	21.9	25.2	96	82	89	.15
30	27.5	22.4	25.0	96	79	88	0
31	27.1	22.2	24.7	91	84	88	.04
Sum	939.8	680.0	811.4	2908	2256	2584	7.17
Mean	30.3	21.9	26.2	94	73	83	

TOTAL RAINFALL FOR THIS MONTH IN:

1964	3.12	1969	4.88
1965	4.07	1970	7.68
1966	5.07	1971	2.33
1967	8.67	1972	3.23
1968	2.92	1973	7.17

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.877
Departure from normal +0.053
Highest 29.99 Date 11
Lowest 29.77 Date 4

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.2
Departure from normal -0.7
Highest 90.0 Date 2
Lowest 69.5 Date 3

RAINFALL
(Inches)

Total 7.17
Departure from normal +2.60
Greatest in 24 hours 1.31
Date 10

WIND

Average hourly velocity 3.6 mph.
Prevailing direction N.W.
Maximum for five minutes 22
mph. from the N.W. on the 2

SUNSHINE

Average number hours per day -
Percentage of possible -

NUMBER OF DAYS

Clear
Partly Cloudy
Cloudy
.01 inch of rain or more 19
Thunderstorms 3
Light fog 0
Dense fog 0

Number of hours with rain 52