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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** JANUARY 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	83	77	80	90	82	87	0
2	83	75	79	92	86	90	.10
3	84	78	81	90	77	85	0
4	84	78	81	88	79	85	.40
5	82	75	78	91	80	88	.30
6	81	76	78	90	80	87	.20
7	80	78	79	90	84	89	.60
8	82	74	78	98	87	93	.60
9	80	72	76	98	84	94	5.30
10	82	74	78	96	82	93	1.50
11	81	76	78	96	88	94	1.80
12	82	76	79	96	78	88	0
13	82	75	78	93	76	87	.10
14	78	75	76	94	86	90	.10
15	83	75	79	90	66	77	0
16	80	77	78	86	70	78	0
17	80	74	77	91	77	84	.60
18	80	73	76	90	70	82	.20
19	82	78	80	86	75	80	0
20	82	75	78	90	75	82	0
21	82	76	79	88	71	79	0
22	82	77	80	88	77	82	0
23	82	75	78	90	78	85	0
24	82	76	79	88	66	75	0
25	82	75	78	88	68	75	0
26	83	75	79	84	67	75	0
27	83	77	80	80	64	74	0
28	82	76	79	82	66	74	0
29	82	77	80	80	68	75	0
30	81	77	79	84	74	79	0
31	82	76	79	88	80	84	.10
Sum	2534	2348		2775	2361		11.90
Mean	81.7	77.7	78.7	89.5	76.2	83.5	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	7.05	1968	.21
1964	.74	1969	2.54
1965	4.82	1970	9.21
1966	1.11	1971	7.39
1967	.93	1972	11.90

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.821
Departure from normal - .044
Highest 29.98 Date 18
Lowest 29.69 Date 2

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 78.7
Departure from normal - 1.5
Highest 84 Date 3
Lowest 73 Date 18

RAINFALL
(Inches)

Total 11.90
Departure from normal + 8.47
Greatest in 24 hours 5.30
Date 9

WIND

Average hourly velocity 10.4 mph.
Prevailing direction N
Maximum for five minutes 23
mph. from the NW on the 25

SUNSHINE

Average number hours per day 5.5
Percentage of possible 47

NUMBER OF DAYS

Clear 0
Partly Cloudy 14
Cloudy 17
.01 inch of rain or more 14
Thunderstorms 2
Light fog 0
Dense fog 0
Number of hours with rain 38

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** FEBRUARY 1972

Date	Air Temperature (Deg. F.)			Relative Humidity (Percent)			Total Rainfall (Inches)
	Max.	Min.	Mean	Max.	Min.	Bihourly mean	
1	83	79	81	86	78	82	0
2	82	76	79	88	80	84	0
3	83	78	80	89	78	86	0
4	82	77	80	90	72	82	0
5	83	79	81	86	72	78	0
6	83	78	80	83	71	78	0
7	83	77	80	84	72	78	0
8	81	75	78	86	76	82	.90
9	81	73	77	86	80	83	1.40
10	83	75	79	84	76	80	0
11	83	78	80	84	71	77	0
12	82	77	80	86	62	73	0
13	82	76	79	84	64	73	0
14	83	78	80	81	63	71	0
15	82	78	80	83	68	76	0
16	81	76	78	94	74	83	0
17	82	74	78	95	76	87	0
18	82	73	78	98	76	86	0
19	82	76	79	89	64	74	0
20	81	73	77	90	64	72	.10
21	82	80	81	84	68	74	0
22	83	75	79	86	68	76	0
23	83	78	80	82	66	74	0
24	83	78	80	80	68	74	0
25	82	76	79	80	70	74	0
26	83	80	82	83	76	81	0
27	83	79	81	88	80	85	0
28	82	78	80	84	76	82	0
29	83	78	80	84	73	79	0
30	--	--	--	--	--	--	----
31	--	--	--	--	--	--	----
Sum	2388	2228		2497	2082		2.40
Mean	82.3	76.8	79.6	86.1	71.8	78.8	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	6.39	1968	1.57
1964	.65	1969	1.02
1965	1.42	1970	2.09
1966	.57	1971	1.66
1967	.42	1972	2.40

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.870
Departure from normal - .008
Highest 30.01 Date 20
Lowest 29.75 Date 2

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.6
Departure from normal - 0.6
Highest 83 Date 3 & 26
Lowest 73 Date 9

RAINFALL
(Inches)

Total 2.40
Departure from normal + .85
Greatest in 24 hours 1.90
Date 8 & 9

WIND

Average hourly velocity 13.4 mph.
Prevailing direction N
Maximum for five minutes 26
mph. from the NE on the 21

SUNSHINE

Average number hours per day 8.1
Percentage of possible 69

NUMBER OF DAYS

Clear 1
Partly Cloudy 24
Cloudy 4
.01 inch of rain or more 3
Thunderstorms 2
Light fog 0
Dense fog 0

Number of hours with rain 9

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** MARCH 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	83	78	80	82	74	78	
2	81	77	79	82	76	79	
3	83	79	81	82	76	79	
4	83	79	81	85	78	82	
5	83	79	81	86	73	82	
6	83	78	80	87	69	77	
7	83	76	80	84	72	78	
8	83	75	79	84	72	78	.10
9	82	78	80	81	70	77	
10	81	73	77	86	72	80	.30
11	83	74	78	85	64	79	.20
12	82	77	80	82	66	76	
13	82	77	80	80	64	74	
14	83	76	80	78	68	75	
15	83	78	80	80	71	77	
16	83	76	80	82	70	76	
17	82	77	80	80	72	77	
18	83	75	79	80	70	77	
19	83	78	80	84	77	81	
20	84	78	81	84	76	81	
21	84	78	81	83	74	79	
22	83	78	80	80	69	75	
23	82	78	80	78	66	74	
24	82	76	79	82	70	76	
25	83	77	80	78	68	75	
26	84	78	81	80	70	77	
27	83	78	80	80	70	76	
28	84	78	81	84	76	80	
29	84	77	80	90	70	82	
30	85	76	80	88	76	84	
31	84	77	80	92	74	84	
Sum	2571	2389		2569	2213		.60
Mean	82.9	77.1	80.0	82.9	71.4	78.2	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	.38	1968	2.48
1964	.55	1969	2.06
1965	.08	1970	1.72
1966	2.63	1971	2.91
1967	.52	1972	.60

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.855
Departure from normal -.016
Highest 29.98 Date 13
Lowest 29.70 Date 30

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.0
Departure from normal -0.7
Highest 85 Date 30
Lowest 73 Date 10

RAINFALL
(Inches)

Total .60
Departure from normal -0.89
Greatest in 24 hours .30
Date 10

WIND

Average hourly velocity 11.9 mph.
Prevailing direction N
Maximum for five minutes 22
mph. from the N on the 6

SUNSHINE

Average number hours per day 8.7
Percentage of possible 72

NUMBER OF DAYS

Clear 0
Partly Cloudy 24
Cloudy 7
.01 inch of rain or more 3
Thunderstorms 0
Light fog 0
Dense fog 0

Number of hours with rain 6

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** APRIL 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	85	81	83	90	76	86	
2	85	81	83	93	78	85	
3	85	81	83	90	72	82	
4	84	80	82	86	66	77	
5	84	79	82	87	70	79	
6	84	79	82	82	71	78	
7	83	79	81	84	72	80	
8	82	79	80	84	74	80	
9	83	80	82	84	80	83	
10	85	75	80	88	76	84	1.10
11	81	76	78	95	78	87	1.40
12	84	80	82	87	70	76	
13	83	79	81	83	73	77	
14	84	78	81	86	72	80	
15	84	77	80	85	77	82	
16	84	80	82	88	78	83	
17	83	77	80	88	76	85	
18	81	78	80	90	76	85	.30
19	80	74	77	94	74	86	2.10
20	78	73	76	96	92	94	1.90
21	81	73	77	98	88	94	1.10
22	84	77	80	96	66	84	.10
23	80	74	77	95	80	88	1.70
24	80	73	76	95	80	89	2.90
25	82	75	78	90	72	84	.20
26	84	78	81	87	74	81	
27	84	79	82	88	72	81	
28	84	77	80	90	76	85	.40
29	84	80	82	88	74	80	
30	84	78	81	88	75	83	.10
31	--	--	--	--	--	--	----
Sum	2489	2330		2675	2258		13.30
Mean	83.0	77.0	80.4	89.2	75.3	83.3	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	2.28	1968	.53
1964	3.39	1969	1.21
1965	2.22	1970	14.75
1966	6.49	1971	.30
1967	2.94	1972	13.30

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.832
Departure from normal - .022
Highest 29.93 Date 23
Lowest 29.74 Date 3

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.3
Departure from normal - 1.1
Highest 85 Date 2 & 3
Lowest 73 Date 20

RAINFALL
(Inches)

Total 13.30
Departure from normal + 9.18
Greatest in 24 hours 4.30
Date 23 & 24

WIND

Average hourly velocity 10.9 mph.
Prevailing direction N
Maximum for five minutes 24
mph. from the N on the 3 & 5

SUNSHINE

Average number hours per day 7.0
Percentage of possible 57

NUMBER OF DAYS

Clear 0
Partly Cloudy 9
Cloudy 21
.01 inch of rain or more 12
Thunderstorms 0
Light fog
Dense fog
Number of hours with rain 46

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, C. Z. Month: MAY 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	84	78	81	90	80	85	0
2	82	75	78	92	84	89	1.00
3	84	80	82	90	81	87	.20
4	84	78	81	92	84	88	.40
5	85	79	82	90	79	84	0
6	85	80	82	87	75	83	0
7	82	75	78	92	86	89	2.60
8	83	78	80	90	81	88	0
9	81	78	80	90	81	88	.10
10	84	77	80	91	78	88	.10
11	85	77	81	94	82	91	.60
12	85	79	82	94	84	88	0
13	85	80	82	90	76	85	0
14	83	78	80	91	88	90	.10
15	82	78	80	92	86	90	0
16	85	77	81	89	80	85	0
17	85	77	81	88	71	82	0
18	85	77	81	87	76	83	0
19	88	78	83	88	65	81	0
20	89	77	83	88	63	83	0
21	86	75	80	90	75	86	.40
22	85	76	80	90	66	83	.10
23	85	76	80	88	78	84	0
24	90	76	83	90	56	79	0
25	84	77	80	94	83	89	.10
26	84	78	81	94	78	86	.80
27	82	76	79	95	84	90	.10
28	83	75	79	94	73	86	.10
29	85	78	82	91	76	86	.10
30	84	76	80	95	86	92	0
31	86	78	82	94	80	88	.10
Sum	2620	2397		2820	2415		6.90
Mean	84.5	77.3	80.9	91.0	77.9	86.3	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	13.22	1968	8.88
1964	9.39	1969	20.30
1965	12.10	1970	21.05
1966	15.44	1971	9.97
1967	7.74	1972	6.90

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.805
Departure from normal -.30
Highest 29.93 Date 22
Lowest 29.69 Date 17

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.9
Departure from normal -0.2
Highest 90 Date 24
Lowest 75 Date 2 & 28

RAINFALL
(Inches)

Total 6.90
Departure from normal -5.58
Greatest in 24 hours 2.60
Date 7

WIND

Average hourly velocity 7.1 mph.
Prevailing direction N
Maximum for five minutes 22
mph. from the NE on the 5

SUNSHINE

Average number hours per day 7.3
Percentage of possible 58

NUMBER OF DAYS

Clear 0
Partly Cloudy 6
Cloudy 25
.01 inch of rain or more 16
Thunderstorms 2
Light fog 0
Dense fog 0
Number of hours with rain 31

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ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

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MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** JULY 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	86	82	84	86	76	82	0
2	86	81	84	83	74	81	0
3	86	81	84	84	74	80	0
4	85	77	81	87	74	81	.40
5	85	82	84	87	74	81	0
6	82	73	78	87	76	84	.60
7	83	71	77	89	78	84	2.90
8	85	80	82	86	78	83	0
9	85	78	82	86	75	83	0
10	87	78	82	87	70	84	0
11	84	73	78	91	80	86	2.10
12	84	76	80	91	84	89	.20
13	85	79	82	90	78	85	0
14	85	80	82	89	78	85	0
15	85	80	82	87	76	84	0
16	86	79	82	88	68	85	0
17	85	81	83	89	78	86	0
18	85	80	82	88	79	84	0
19	85	79	82	90	82	87	0
20	83	75	79	94	87	91	1.40
21	83	78	80	92	80	86	.20
22	84	80	82	90	83	88	0
23	85	79	82	88	80	85	0
24	83	75	79	93	82	90	.30
25	86	78	82	91	76	87	0
26	86	76	81	93	78	89	.50
27	86	80	83	90	76	86	0
28	85	81	83	88	78	84	0
29	85	80	82	87	81	86	0
30	85	80	82	88	84	86	0
31	85	81	83	87	80	85	0
Sum	2630	2433		2746	2417		8.60
Mean	84.8	78.5	81.6	88.6	78.0	85.0	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	8.94	1968	19.49
1964	18.68	1969	13.95
1965	9.79	1970	19.64
1966	13.84	1971	9.97
1967	16.52	1972	8.60

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.797
Departure from normal -.045
Highest 29.91 Date 12
Lowest 29.70 Date 1

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 81.6
Departure from normal +1.1
Highest 87 Date 10
Lowest 71 Date 7

RAINFALL
(Inches)

Total 8.60
Departure from normal -6.82
Greatest in 24 hours 3.40
Date 6 and 7

WIND

Average hourly velocity 9.4 mph.
Prevailing direction N
Maximum for five minutes 23
mph. from the E & NE on the 3 + 13

SUNSHINE

Average number hours per day 7.8
Percentage of possible 62

NUMBER OF DAYS

Clear 0
Partly Cloudy 9
Cloudy 22
.10 inch of rain or more 9
Thunderstorms 5
Light fog 0
Dense fog 0

Number of hours with rain 22

Water temperature mean 82.4

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PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, CANAL ZONE **Month:** AUGUST 1972

Date	Air Temperature (Deg. F.)			Relative Humidity (Percent)			Total Rainfall (Inches)
	Max.	Min.	Mean	Max.	Min.	Bihourly mean	
1	85	81	83	86	80	84	0
2	85	81	83	84	76	82	0
3	86	80	83	85	71	79	0
4	84	80	82	86	78	83	0
5	85	82	84	85	81	84	0
6	84	81	82	85	74	80	0
7	85	72	78	86	70	82	2.40
8	85	77	81	90	84	87	0
9	84	77	80	91	79	87	0
10	82	77	80	91	86	89	.50
11	84	76	80	88	76	85	.80
12	84	81	82	88	82	86	0
13	84	76	80	89	82	86	.10
14	80	76	78	94	90	93	1.40
15	80	74	77	93	88	91	.70
16	80	76	78	91	74	86	.10
17	83	76	80	89	78	85	.50
18	84	74	79	91	80	88	.90
19	82	75	78	90	80	87	.20
20	81	75	78	93	82	89	.50
21	80	76	78	92	72	88	0
22	80	76	78	92	84	89	.30
23	84	74	79	92	81	89	0
24	83	78	80	90	82	88	0
25	81	73	77	96	85	92	2.80
26	83	75	79	95	80	92	0
27	80	74	77	90	86	89	.10
28	81	76	78	91	85	89	.10
29	83	76	80	90	80	86	0
30	83	79	81	92	86	89	.40
31	85	75	80	93	76	88	.80
Sum	2570	2379		2788	2488		12.60
Mean	82.9	76.7	79.8	89.9	80.3	86.9	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	13.70	1968	13.67
1964	18.80	1969	20.21
1965	20.31	1970	12.02
1966	20.26	1971	15.38
1967	8.56	1972	12.60

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.823
Departure from normal -.018
Highest 29.91 Date 21
Lowest 29.72 Date 31

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.8
Departure from normal -0.5
Highest 86 Date 3
Lowest 72 Date 7

RAINFALL
(Inches)

Total 12.60
Departure from normal -2.70
Greatest in 24 hours 2.80
Date 24

WIND

Average hourly velocity 8.0 mph.
Prevailing direction N
Maximum for five minutes 22
mph. from the NW on the 15

SUNSHINE

Average number hours per day 5.1
Percentage of possible 41

NUMBER OF DAYS

Clear 0
Partly Cloudy 4
Cloudy 27
.10 inch of rain or more 17
Thunderstorms 3
Light fog 0
Dense fog 0

Number of hours with rain 40

Water Temperature mean 80.7

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Cristobal, C. Z. **Month:** September 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	80	73	76	95	91	93	.90
2	83	74	78	93	81	88	0
3	85	78	82	90	77	88	0
4	84	78	81	90	81	88	.30
5	84	81	82	90	83	87	0
6	84	81	82	89	78	84	0
7	85	76	80	91	84	88	.40
8	87	78	82	90	76	86	.10
9	83	75	79	91	82	89	.40
10	84	75	80	92	72	87	1.10
11	84	75	80	92	79	89	.80
12	84	78	81	91	82	87	.20
13	85	78	82	88	82	87	0
14	85	77	81	89	80	87	.20
15	80	74	77	91	88	90	.70
16	82	74	78	93	80	90	.20
17	85	75	80	92	70	86	0
18	84	77	80	92	85	89	.30
19	84	78	81	92	80	89	.70
20	85	77	81	92	80	90	2.20
21	83	75	79	93	80	89	0
22	84	76	80	92	80	88	0
23	85	75	80	92	74	87	.40
24	83	78	80	89	82	88	.10
25	83	76	80	90	78	87	0
26	83	76	80	90	79	87	.50
27	84	77	80	92	83	89	0
28	85	74	80	96	74	89	.40
29	83	76	80	92	70	90	.20
30	85	78	82	90	74	85	0
31							
Sum	2515	2293		2739	2385		10.10
Mean	83.8	76.4	80.1	91.3	79.5	88.1	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	11.22	1968	14.95
1964	13.56	1969	18.35
1965	14.12	1970	13.43
1966	13.36	1971	15.20
1967	11.95	1972	10.10

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.806
Departure from normal -.022
Highest 29.90 Date 18
Lowest 29.72 Date 5

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.1
Departure from normal -0.5
Highest 87 Date 8
Lowest 73 Date 1

RAINFALL
(Inches)

Total 10.10
Departure from normal -2.49
Greatest in 24 hours 2.20
Date 20

WIND

Average hourly velocity 6.9 mph.
Prevailing direction W
Maximum for five minutes 23
mph. from the NW on the 28

SUNSHINE

Average number hours per day 4.6
Percentage of possible 38

NUMBER OF DAYS

Clear 0
Partly Cloudy 5
Cloudy 25
.10 inch of rain or more 19
Thunderstorms 4
Light fog 0
Dense fog 0

Number of hours with rain 52

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Cristobal, C. Z. Month: October 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	85	76	80	92	76	88	20
2	85	76	80	92	76	86	0
3	82	74	78	92	83	88	1.50
4	82	73	78	96	93	95	2.10
5	80	76	78	98	90	93	.90
6	82	77	80	95	88	93	.50
7	83	76	80	93	76	88	.30
8	85	77	81	90	78	86	0
9	81	77	79	92	84	89	.40
10	82	75	78	93	85	90	.20
11	83	73	78	94	74	90	2.80
12	79	72	76	95	92	94	3.30
13	84	76	80	90	70	87	.10
14	87	75	81	94	69	87	0
15	83	75	79	94	77	88	.10
16	84	76	80	92	82	90	0
17	85	76	80	92	76	88	0
18	86	81	84	93	79	89	0
19	83	77	80	93	80	87	.50
20	83	76	80	90	78	87	.20
21	81	76	78	89	78	86	.20
22	81	75	78	90	78	87	.80
23	81	72	76	91	86	90	1.00
24	83	76	80	94	77	87	.20
25	83	73	78	93	82	90	3.70
26	81	76	78	93	82	90	.60
27	85	76	80	92	80	89	.10
28	85	77	81	94	83	92	.30
29	86	78	82	93	76	85	.90
30	85	76	80	94	80	90	.70
31	85	75	80	95	76	92	.20
Sum	2580	2344		2878	2484		21.80
Mean	83.2	75.6	79.4	92.8	80.1	89.1	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	6.34	1968	12.90
1964	11.78	1969	11.01
1965	23.70	1970	11.80
1966	14.90	1971	13.00
1967	18.84	1972	21.80

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.825
Departure from normal -001
Highest 29.94 Date 10
Lowest 29.71 Date 1

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 79.4
Departure from normal -0.8
Highest 87 Date 14
Lowest 72 Date 12

RAINFALL
(Inches)

Total 21.80
Departure from normal
Greatest in 24 hours 4.60
Date 11 & 12

WIND

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

SUNSHINE

Average number hours per day 4.7
Percentage of possible 39

NUMBER OF DAYS

Clear 0
Partly Cloudy 6
Cloudy 25
.10 inch of rain or more 25
Thunderstorms 2
Light fog 0
Dense fog 0

Number of hours with rain 74

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PANAMA CANAL COMPANY
ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, C. Z. Month: NOVEMBER, 1972

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	83	75	79	94	73	84	.71
2	84	74	79	92	74	88	.47
3	83	75	79	92	84	89	.21
4	86	76	81	91	69	85	.09
5	85	75	80	90	70	86	.47
6	83	77	80	91	84	89	.02
7	85	77	81	91	78	87	.01
8	88	76	82	91	64	84	T
9	88	76	82	91	63	86	.79
10	84	75	80	90	72	86	0
11	83	76	80	90	82	89	.08
12	83	76	80	93	83	90	1.87
13	85	75	80	92	78	90	1.25
14	84	75	80	95	84	93	.06
15	86	76	81	94	74	88	.13
16	85	76	80	93	75	86	.01
17	85	76	80	92	66	80	0
18	85	76	80	93	76	86	.10
19	86	78	82	91	76	84	0
20	86	81	84	90	74	83	0
21	87	78	82	86	68	79	0
22	85	80	82	88	74	80	.01
23	85	78	82	87	72	80	0
24	84	78	81	88	70	83	.04
25	85	78	82	88	75	86	.52
26	84	76	80	93	86	91	.96
27	84	80	82	92	84	89	.16
28	86	79	82	90	77	84	0
29	85	81	83	86	70	80	0
30	85	79	82	90	68	79	.08
31							
Sum	2547	2308		2724	2243		8.04
Mean	84.9	76.9	80.9	90.8	74.8	85.4	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	22.72	1968	13.38
1964	14.36	1969	15.81
1965	25.78	1970	32.21
1966	35.08	1971	14.40
1967	27.65	1972	8.04

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.817
Departure from normal -.012
Highest 29.92 Date 28
Lowest 29.70 Date 8

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 80.9
Departure from normal +1.5
Highest 88 Date 9
Lowest 74 Date 2

RAINFALL
(Inches)

Total 8.04
Departure from normal - 14.35
Greatest in 24 hours 3.05
Date 12 & 13

WIND

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

SUNSHINE

Average number hours per day 7.5
Percentage of possible 64

NUMBER OF DAYS

Clear 0
Partly Cloudy 12
Cloudy 18
.01 inch of rain or more 21
Thunderstorms 3
Light fog 0
0
Number of hours with rain 64

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METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: CRISTOBAL, C. Z. **Month:** December, 1972

Date	Air Temperature (Deg. F.)			Relative Humidity (Percent)			Total Rainfall (Inches)
	Max.	Min.	Mean	Max.	Min.	Bihourly mean	
1	85	78	82	87	74	82	0
2	86	79	82	91	75	84	0
3	87	80	84	88	68	82	0
4	85	80	82	88	74	81	0
5	86	80	83	86	76	82	0
6	86	77	82	88	80	86	.10
7	87	80	84	89	68	81	0
8	86	78	82	86	70	78	0
9	84	79	82	82	70	75	0
10	85	76	80	84	75	81	0
11	85	77	81	86	75	82	0
12	86	78	82	84	78	83	0
13	86	79	82	86	79	85	0
14	85	78	82	86	78	83	0
15	84	76	80	86	81	84	.50
16	85	81	83	84	78	83	0
17	85	79	82	87	79	84	.20
18	80	75	78	92	87	92	.60
19	82	75	78	92	85	90	2.60
20	84	74	79	92	79	88	.60
21	90	77	84	92	54	80	0
22	85	76	80	94	67	87	.50
23	82	74	78	94	80	87	.70
24	85	77	81	86	61	75	0
25	84	79	82	80	63	73	0
26	83	79	81	80	63	71	0
27	83	79	81	86	66	74	0
28	82	75	78	97	73	83	.20
29	83	75	79	98	70	80	.20
30	85	79	82	88	74	81	0
31	85	79	82	88	70	80	0
Sum	2626	2408		2727	2270		6.20
Mean	84.7	77.7	81.2	88.0	73.2	81.8	

TOTAL RAINFALL FOR THIS MONTH IN:

1963	3.50	1968	3.48
1964	2.03	1969	15.35
1965	7.62	1970	18.65
1966	13.90	1971	1.10
1967	10.44	1972	6.20

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean 29.832
Departure from normal -.006
Highest 29.96 Date 28
Lowest 29.72 Date 11

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 81.2
Departure from normal +1.1
Highest 90 Date 21
Lowest 74 Date 20

RAINFALL
(Inches)

Total 6.20
Departure from normal -5.76
Greatest in 24 hours 2.60
Date 19

WIND

Average hourly velocity 9.8 mph.
Prevailing direction N.
Maximum for five minutes 22
mph. from the NE on the 28

SUNSHINE

Average number hours per day 8.5
Percentage of possible 74

NUMBER OF DAYS

Clear 0
Partly Cloudy 21
Cloudy 10
.01 inch of rain or more 10
Thunderstorms 1
Light fog 0
Dense fog 0
Number days with rain 27

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