4065
Rev. 10-58

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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:** January 1975

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	32.2	20.8	26.5	94	41	67.5	0
2	31.6	21.1	26.3	91	42	66.5	0
3	31.6	21.3	26.4	92	42	67	.02
4	31.6	21.3	26.4	93	44	68.5	0
5	31.9	22.7	27.3	92	46	69	0
6	30.7	23.0	26.8	94	50	72	0
7	30.5	22.7	26.6	91	53	72	0
8	31.6	22.2	26.9	96	49	72.5	0
9	31.6	22.2	26.8	94	42	68	0
10	32.5	22.7	27.6	96	42	69	0
11	32.4	22.9	27.6	94	40	67	0
12	31.9	23.3	27.6	94	46	70	0
13	31.6	22.7	27.1	96	42	69	0
14	32.2	21.7	27.0	94	36	65	0
15	30.5	23.0	26.7	81	44	62.5	0
16	32.7	22.2	27.4	90	46	68	0
17	33.3	23.2	28.5	94	42	68	0
18	31.6	22.5	27.0	95	50	72.5	0
19	30.8	23.0	26.9	94	54	74	.08
20	32.2	23.3	27.7	92	48	70	.02
21	32.8	23.8	28.3	98	53	75.5	.03
22	32.4	23.3	27.8	100	50	75	0
23	31.4	21.8	26.6	100	54	77	0
24	30.2	21.8	26.0	100	58	79	0
25	29.7	22.4	26.0	100	77	88.5	0
26	31.4	22.4	26.9	95	55	75	0
27	32.4	22.3	27.3	100	53	76.5	.34
28	32.8	23.4	28.1	95	57	76	0
29	31.4	23.6	27.5	97	54	75.5	0
30	32.0	23.4	27.7	95	57	76	0
31	31.0	22.0	26.5	100	59	79.5	.49
Sum	982.5	698	839.8	2937	1526	2231.5	.98
Mean	31.7	22.5	27.1	94.7	49.2	72.0	

TOTAL RAINFALL FOR THIS MONTH IN:

1966	2.42	1971	8.89
1967	.19	1972	10.37
1968	T	1973	.10
1969	2.96	1974	1.29
1970	3.69	1975	.98

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean
Departure from normal
Highest Date
Lowest Date

AIR TEMPERATURE
(Degrees ~~Fahr.~~) Cent.

Monthly mean 27.1
Departure from normal
Highest 33.3 Date 17th
Lowest 20.8 Date 1st

RAINFALL
(Inches)

Total .98
Departure from normal +0.37
Greatest in 24 hours .49
Date 31st

WIND

Average hourly velocity 6.8 mph.
Prevailing direction
Maximum for five minutes 23
mph. from the NNW on the 15th

SUNSHINE

Average number hours per day
Percentage of possible

NUMBER OF DAYS

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

Number of hours with rain 7

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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4664
Rev. 10-58

PANAMA CANAL COMPANY

ENGINEERING AND CONSTRUCTION BUREAU
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

75TH MERIDIAN TIME

Station: Balboa Heights **Month:** February 75

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	31.2	22.2	26.7	99	59	79	0
2	32.2	22.2	27.2	97	48	72.5	0
3	32.4	22.2	27.3	100	48	74	0
4	30.6	20.4	25.5	100	61	80.5	0
5	29.9	21.1	25.1	100	62	81	.04
6	31.6	22.4	27.0	100	55	77.5	0
7	31.5	21.2	26.4	100	54	77	0
8	30.4	21.4	25.9	100	58	79	.01
9	31.0	21.6	26.3	97	50	73.5	0
10	32.2	21.2	26.7	100	46	73	0
11	31.0	21.6	26.3	97	52	74.5	0
12	32.0	21.6	26.8	100	49	74.5	0
13	30.7	21.2	25.9	96	57	76.5	0
14	30.3	23.1	26.7	91	51	71	0
15	32.2	22.2	27.2	95	42	68.5	0
16	32.0	22.0	27.0	95	52	73.5	0
17	31.8	24.2	28.0	88	57	72.5	0
18	33.2	22.0	27.6	100	46	73	0
19	30.8	21.8	26.3	100	58	79	.17
20	33.4	21.4	27.4	100	32	66	0
21	33.0	22.3	27.6	83	48	65.5	0
22	32.7	22.5	27.6	97	41	69	0
23	31.6	22.0	26.8	99	55	77	0
24	30.8	21.3	26.0	100	56	78	.04
25	32.1	21.7	26.9	100	51	75.5	0
26	32.4	23.1	27.7	88	42	65	0
27	31.5	21.7	26.6	96	51	73.5	0
28	30.6	22.0	26.3	89	60	74.5	.48
29							
30							
31							
Sum	885.1	613.6	748.8	2707	1441	2074	.74
Mean	31.6	21.9	26.7	96.7	51.5	74.1	

TOTAL RAINFALL FOR THIS MONTH IN:

19 66 T	19 71 .33
19 67 T	19 72 1.56
19 68 1.73	19 73 T
19 69 1.70	19 74 1.86
19 70 .07	19 75 .74

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean
Departure from normal
Highest Date
Lowest Date

AIR TEMPERATURE
(Degrees ~~Fahr.~~) Cent.

Monthly mean 26.7
Departure from normal –
Highest 33.4 Date 20th
Lowest 20.4 Date 4th

RAINFALL
(Inches)

Total .74
Departure from normal +0.07
Greatest in 24 hours .48
Date 28th

WIND

Average hourly velocity 7.4 mph.
Prevailing direction –
Maximum for five minutes 23
mph. from the NW on the 25th, 27th

SUNSHINE

Average number hours per day –
Percentage of possible –

NUMBER OF DAYS

Clear –
Partly Cloudy –
Cloudy
.01 inch of rain or more 5
Thunderstorms –
Light fog –
Dense fog –

Number of hours with rain 7

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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 1975

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	30.9	22.3	26.6	95	54	74.5	0
2	31.8	21.3	26.6	100	40	70	0
3	31.2	20.9	26.0	98	53	75.5	0
4	30.2	23.4	26.8	95	63	79	0
5	30.5	23.9	27.2	91	61	76	0
6	32.7	24.2	28.4	99	50	74.5	.02
7	31.6	22.4	27.0	89	52	75.5	0
8	32.4	23.2	27.8	100	48	74	0
9	33.3	23.4	28.4	94	44	69	0
10	32.2	23.8	28.0	94	50	72	0
11	30.7	24.2	27.4	89	60	74.5	0
12	33.3	24.6	29.0	93	48	70.5	0
13	33.8	24.3	29.0	85	47	66	0
14	33.3	22.1	27.7	98	46	72	0
15	33.1	23.2	28.2	85	44	64.5	0
16	34.2	23.0	28.6	91	39	65	0
17	33.5	22.9	28.2	95	44	69.5	0
18	32.0	22.8	27.4	95	54	74.5	0
19	32.7	22.7	27.7	100	50	75	0
20	32.3	22.6	27.4	99	51	75	0
21	32.5	22.5	27.5	97	40	68.5	0
22	31.8	22.5	27.2	93	60	76.5	0
23	31.0	23.5	27.2	92	56	74	0
24	32.8	24.3	28.6	93	50	71.5	0
25	33.6	23.7	28.7	90	47	68.5	.02
26	33.6	23.8	28.7	95	49	72	0
27	33.6	24.5	29.0	95	48	71.5	0
28	31.9	24.0	28.0	91	47	69	0
29	32.0	23.5	27.7	95	51	73	0
30	36.0	22.0	29	100	40	70	0
31	33.0	22.6	27.8	100	53	76.5	0
Sum	1007.5	718.1	862.8	2926	1539	2237.5	.04
Mean	32.5	23.2	27.8	94.5	49.6	72.2	

TOTAL RAINFALL FOR THIS MONTH IN:

1966	.10	1971	.66
1967	1.72	1972	.47
1968	.78	1973	.04
1969	.37	1974	.15
1970	.68	1975	.04

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean
Departure from normal
Highest Date
Lowest Date

AIR TEMPERATURE
(Degrees Fahr.)

Monthly mean 27.8
Departure from normal ----
Highest 36.0 Date 30th
Lowest 20.9 Date 3rd

RAINFALL
(Inches)

Total .04
Departure from normal -.55
Greatest in 24 hours .02
Date 6th and 25th

WIND

Average hourly velocity 8.5 mph.
Prevailing direction NW
Maximum for five minutes 28
mph. from the NW on the 5th

SUNSHINE

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

NUMBER OF DAYS

Clear ------
Partly Cloudy ------
Cloudy ------
.01 inch of rain or more 2
Thunderstorms ------
Light fog ------
Dense fog ------

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 1975

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	31.9	22.9	27.4	97	56	76.5	0
2	33.0	22.5	27.7	100	46	73	0
3	34.3	22.2	28.2	99	44	71.5	0
4	32.8	23.6	28.2	90	48	69	0
5	29.6	23.4	26.5	92	57	74.5	0
6	32.7	22.1	27.9	98	43	70.5	0
7	33.0	22.3	27.6	92	42	67	0
8	33.5	24.5	29.0	84	48	66	0
9	31.6	22.9	27.2	100	61	80.5	.58
10	32.8	24.3	28.6	90	59	74.5	0
11	33.2	22.9	28.0	100	44	72	0
12	32.8	21.6	27.2	100	47	73.5	0
13	31.6	22.2	26.9	94	54	74	1.05
14	33.6	23.4	28.5	97	44	70.5	0
15	32.4	22.6	27.5	95	43	69	0
16	33.6	23.0	28.3	92	42	67	0
17	33.2	22.3	27.7	95	41	68	0
18	32.8	22.7	27.8	100	45	72.5	0
19	32.7	24.5	28.6	91	47	69	0
20	33.6	25.1	29.4	89	45	67.5	0
21	32.1	25.5	28.3	84	49	66.5	0
22	32.7	24.8	28.8	78	43	60.5	0
23	32.4	23.5	28.0	86	42	64	0
24	34.2	23.8	29.0	90	39	64.5	0
25	32.8	25.6	29.2	81	50	65.5	0
26	34.6	25.2	29.9	90	45	67.5	0
27	31.0	23.6	27.3	97	59	78	.17
28	30.6	22.5	26.6	100	63	81.5	.74
29	31.6	22.6	27.1	100	52	76	0
30	31.6	21.5	26.6	100	55	77.5	0
31							
Sum	978.3	699.6	839	2801	1453	2127.5	2.54
Mean	32.6	23.3	28	93	48	70.5	

TOTAL RAINFALL FOR THIS MONTH IN:

1966 3.19	1971 3.10
1967 5.96	1972 8.52
1968 .57	1973 1.35
1969 6.76	1974 .36
1970 3.19	1975 2.54

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean ———
Departure from normal ———
Highest ——— Date ———
Lowest ——— Date ———

AIR TEMPERATURE
(Degrees ~~Fahr.~~) C

Monthly mean 28.0
Departure from normal ———
Highest 34.6 Date 26th
Lowest 21.5 Date 30th

RAINFALL
(Inches)

Total 2.54
Departure from normal -.28
Greatest in 24 hours 1.05
Date 13th

WIND

Average hourly velocity 8.3 mph.
Prevailing direction ———
Maximum for five minutes 12.6
mph. from the NW on the 11th

SUNSHINE

Average number hours per day ———
Percentage of possible ———

NUMBER OF DAYS

Clear ———
Partly Cloudy ———
Cloudy ———
.01 inch of rain or more 4
Thunderstorms ———
Light fog ———
Dense fog ———

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: Balboa Heights **Month:** May 1975

Date	Air Temperature (Deg. F.) Max.	Min.	Mean	Relative Humidity (Percent) Max.	Min.	Bihourly mean	Total Rainfall (Inches)
1	31.6	23.2	27.4	96	57	76	0
2	30.0	24.2	27.1	87	63	75	0
3	29.7	24.5	27.1	100	67	84	.03
4	31.6	23.4	27.5	97	54	76	0
5	29.9	22.8	26.3	100	63	82	0
6	32.4	23.1	27.7	100	53	76	0
7	31.8	23.1	27.4	100	56	78	.19
8	32.1	23.2	27.6	99	59	79	.66
9	32.4	24.5	28.4	100	56	78	0
10	30.2	24.0	27.1	89	61	75	.11
11	30.7	23.9	27.3	89	66	78	.13
12	31.4	24.3	27.8	100	63	82	1.09
13	28.9	24.2	26.6	100	83	92	.35
14	29.3	24.0	26.6	97	62	80	0
15	27.9	22.9	25.4	100	71	86	.21
16	29.5	22.3	25.9	100	70	85	.09
17	31.2	23.4	27.3	97	67	82	0
18	31.2	22.6	26.9	96	62	79	.49
19	29.7	23.4	26.6	88	73	80	.07
20	31.0	24.0	27.5	89	64	76	.06
21	32.1	23.7	27.9	98	58	78	0
22	33.6	23.6	28.6	97	53	75	0
23	26.0	24.2	25.1	92	74	83	0
24	29.6	23.2	26.4	96	55	76	0
25	30.8	22.9	26.8	100	69	84	0
26	32.8	23.4	28.1	98	47	72	1.53
27	28.8	23.4	26.1	96	67	82	0
28	30.4	23.1	26.8	93	52	72	.02
29	29.2	23.4	26.3	95	63	79	0
30	31.3	23.8	27.6	92	58	75	0
31	28.4	22.5	25.4	100	60	80	0
Sum	945.5	728.2	836.6	2981	1926	2455	5.03
Mean	30.5	23.5	27.0	96	62	79	

TOTAL RAINFALL FOR THIS MONTH IN:

1966	13.40	1971	5.51
1967	5.22	1972	6.87
1968	6.84	1973	9.19
1969	7.64	1974	7.78
1970	12.85	1975	5.03

AIR PRESSURE
(Inches reduced to sea level)

Bihourly mean ------
Departure from normal ------
Highest ------ Date ------
Lowest ------ Date ------

AIR TEMPERATURE
(Degrees ~~Fahr.~~) C

Monthly mean 27.0
Departure from normal ------
Highest 33.6 Date 22nd
Lowest 22.3 Date 16th

RAINFALL
(Inches)

Total 5.03
Departure from normal -2.95
Greatest in 24 hours 3.34
Date 26th

WIND

Average hourly velocity 5.2 mph.
Prevailing direction ------
Maximum for five minutes 8.1
mph. from the WNW on the 2nd

SUNSHINE

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

NUMBER OF DAYS

Clear ------
Partly Cloudy ------
Cloudy ------
.01 inch of rain or more 14
Thunderstorms ------
Light fog ------
Dense fog ------

Number of hours with rain 36

PANAMA CANAL COMPANY

METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: BALBOA HEIGHTS MONTH: SEPTEMBER 1975

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	28.4	22.2	25.3	100	72	86	0.1	4.0
2	29.1	21.6	25.4	100	72	86	0.0	4.5
3	26.6	22.3	24.5	100	88	94	0.0	3.1
4	30.5	23.6	27.1	93	64	79	0.0	3.9
5	29.1	24.2	26.7	95	74	85	0.0	4.5
6	28.6	22.3	25.5	100	77	89	0.0	5.2
7	27.6	24.3	26.0	100	76	88	0.1	5.8
8	29.2	23.4	26.3	100	70	85	1.0	4.6
9	29.8	23.6	26.7	100	71	86	0.0	4.4
10	27.6	23.4	25.5	100	82	91	0.1	3.5
11	29.9	23.0	26.5	100	71	86	0.0	3.8
12	27.5	23.6	25.6	100	84	92	0.0	3.9
13	30.1	22.9	26.5	100	69	85	0.3	4.3
14	29.7	23.4	26.6	98	72	85	0.0	4.9
15	29.2	22.9	26.1	100	69	85	0.4	6.3
16	29.1	22.0	25.6	100	70	85	0.0	4.1
17	29.1	23.4	26.3	100	65	83	0.0	5.0
18	28.9	23.9	26.4	100	75	88	0.4	4.3
19	29.2	23.4	26.3	100	75	88	0.7	5.0
20	28.7	24.1	26.4	100	73	87	0.1	5.3
21	27.6	24.2	25.9	100	69	85	0.1	5.4
22	29.1	24.2	26.7	96	72	84	0.0	6.3
23	29.1	22.6	25.9	100	76	88	0.0	4.4
24	28.3	22.9	25.6	100	73	89	0.0	3.3
25	30.0	23.4	26.7	100	70	85	0.0	5.7
26	29.1	23.8	26.5	100	74	87	0.0	3.7
27	29.0	23.4	26.2	100	76	88	0.0	4.3
28	32.2	22.8	27.5	100	58	79	0.0	4.2
29	31.4	23.3	27.4	100	65	83	0.1	3.5
30	31.3	22.6	27.0	100	67	84	0.0	4.2
								AVG HOURLY WIND
MONTH MEANS	29.2	23.2	26.2	99	72	86	3.4	4.5

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

70 YR AVG	1975	DEPARTURE
26.6	26.2	-0.4

RAINFALL (INCHES)

79 YR AVG	1975	DEPARTURE
7.8	3.4	-4.4

PANAMA CANAL COMPANY

METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: BALBOA (F.A.A.) MONTH: DECEMBER 1975

****

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	31.3	21.7	26.5	97	50	74	0.0	3.1
2	29.9	21.2	25.6	96	52	74	0.3	5.6
3	27.1	20.9	24.0	98	69	84	0.2	3.8
4	29.1	21.7	25.4	100	62	81	0.1	5.0
5	30.3	23.1	26.7	100	61	81	1.0	6.6
6	28.1	22.8	25.5	93	69	81	0.2	4.9
7	28.8	22.1	25.5	94	65	80	1.5	3.7
8	26.3	22.0	24.2	95	70	83	0.0	3.2
9	24.5	22.4	23.5	95	84	90	2.4	4.7
10	29.2	22.2	25.7	96	67	82	0.4	4.5
11	27.3	22.6	25.0	90	78	84	0.6	6.9
12	32.1	23.4	27.8	97	50	74	0.0	3.7
13	29.2	23.9	26.6	98	71	85	0.1	2.7
14	31.3	23.4	27.4	94	61	78	0.0	5.2
15	28.8	23.4	26.1	94	67	81	0.1	5.9
16	29.7	22.6	26.2	94	56	75	0.1	6.4
17	31.0	21.7	26.4	96	48	72	0.0	6.5
18	29.7	21.6	25.7	91	60	76	0.1	4.9
19	30.5	22.1	26.3	94	63	79	0.1	5.1
20	30.1	21.5	25.8	91	64	78	0.0	6.6
21	28.7	22.0	25.4	94	64	79	1.0	8.4
22	28.7	20.9	24.8	92	49	71	0.0	6.8
23	28.8	20.9	24.8	95	63	79	0.0	4.0
24	29.7	19.9	24.8	97	48	73	0.0	5.6
25	27.8	20.1	24.0	100	63	82	1.6	3.8
26	31.4	20.7	26.1	97	57	77	0.3	4.0
27	29.2	21.7	25.5	98	49	74	0.2	5.2
28	28.8	21.7	25.3	99	54	77	0.1	3.4
29	30.4	20.7	25.6	96	44	70	0.0	3.8
30	28.9	19.8	24.4	100	56	78	0.4	4.6
31	31.0	21.4	26.2	100	48	74	0.0	4.5
MONTH MEANS	29.3	21.8	25.5	96	60	78	10.8	AVG HOURLY WIND 5.0

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DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

70 YR AVG	1975	DEPARTURE
26.6	25.5	-1.1

RAINFALL (INCHES)

79 YR AVG	1975	DEPARTURE
4.6	10.8	6.2

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