

METEOROLOGICAL AND HYDROGRAPHIC BRANCH

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MONTHLY METEOROLOGICAL SUMMARY
SEP 28 1976

STATION: MANDEN DAM

MONTH: JANUARY 1976

N.O.A.
U.S. Dept. of Commerce

QC
986
P22
M69
1976
(Incomp)

DAY	MAX TEMP	MIN TEMP	MEAN TEMP	MAX R H	MIN R H	MEAN R H	DAILY RAIN	DAILY WIND
1	29.1	19.4	24.3	92	47	70	0.0	8.0
2	28.9	21.4	25.2	86	53	70	0.0	7.1
3	30.1	20.6	25.4	80	44	62	0.0	5.0
4	29.5	20.3	24.9	95	43	69	0.0	4.9
5	30.1	21.0	25.6	81	48	65	0.0	6.4
6	29.4	23.2	26.3	71	38	55	0.0	8.3
7	29.4	22.2	25.8	84	46	65	0.0	7.2
8	29.4	22.4	25.9	86	50	68	0.0	5.1
9	29.4	22.4	25.9	86	63	75	0.0	6.9
10	29.2	23.8	26.5	70	43	57	0.0	8.7
11	29.2	23.6	26.4	71	45	58	0.0	9.4
12	30.3	22.1	26.2	83	45	64	0.0	7.7
13	29.1	23.9	26.0	76	65	71	0.0	8.7
14	27.9	24.7	26.3	73	62	68	0.0	8.6
15	27.4	23.2	25.3	88	60	74	0.2	7.0
16	28.1	23.1	25.6	93	61	77	0.0	6.0
17	29.4	23.2	26.3	85	44	65	0.0	5.8
18	28.7	22.9	25.8	81	49	65	0.0	9.0
19	28.7	23.9	26.3	72	46	59	0.0	10.1
20	29.2	23.5	26.4	73	49	61	0.0	9.7
21	28.1	22.8	25.5	80	56	68	0.0	8.6
22	28.7	23.0	25.9	71	44	56	0.0	7.9
23	29.2	21.9	25.6	81	56	69	0.0	7.1
24	28.9	24.2	26.6	73	52	63	0.0	9.1
25	29.3	24.5	26.9	69	52	61	0.0	9.2
26	29.4	24.7	27.1	72	50	61	0.0	8.9
27	29.4	23.2	26.3	80	47	64	0.0	7.9
28	29.8	22.8	26.3	77	42	60	0.0	7.2
29	28.7	21.2	25.0	85	39	62	0.1	7.5
30	29.5	19.2	24.4	88	40	64	0.0	5.3
31	29.4	18.6	24.0	95	31	63	0.0	5.4

AVG
HOURLY
WIND

MONTH
MEANS 29.1 22.5 25.8 81 49 65 0.3 7.5

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

65 YR AVG * 1976 * DEPARTURE
25.6 25.8 0.2

77 YR AVG * 1976 * DEPARTURE
1.2 0.3 -0.9

National Oceanic and Atmospheric Administration
Climate Database Modernization Program

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March 28, 2002

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: FEBRUARY 1976

DAY	MAX TEMP	MIN TEMP	MEAN TEMP	MAX R H	MIN R H	MEAN R H	DAILY RAIN	DAILY WIND
1	30.1	17.8	24.0	86	35	61	0.0	5.2
2	28.5	17.6	23.1	89	45	67	0.0	5.8
3	31.5	22.3	26.9	74	31	53	0.0	8.5
4	29.6	23.9	26.8	72	45	59	0.0	10.4
5	29.7	24.4	27.1	69	45	57	0.0	9.5
6	30.6	23.0	26.8	78	47	63	0.0	7.5
7	30.0	22.8	26.4	75	41	58	0.0	8.9
8	29.2	20.6	24.9	88	46	67	0.0	7.0
9	28.9	22.4	25.7	76	43	60	0.0	9.6
10	29.3	22.0	25.7	69	37	53	0.0	10.3
11	29.5	23.6	26.6	68	40	54	0.0	9.8
12	29.4	21.2	25.3	80	44	62	0.0	8.3
13	29.8	24.7	27.3	86	62	74	0.0	10.5
14	29.8	24.3	27.1	87	62	75	0.0	10.8
15	29.8	23.9	26.9	92	60	76	0.0	10.6
16	29.4	23.9	26.7	91	55	73	0.0	9.6
17	30.4	22.9	26.7	89	53	71	0.0	9.0
18	30.7	24.2	27.5	93	50	72	0.0	10.3
19	30.9	23.9	27.4	93	57	75	0.0	8.9
20	30.7	23.9	27.3	94	63	79	0.0	7.3
21	30.1	20.4	25.3	92	62	77	0.0	6.9
22	30.9	23.2	27.1	93	61	77	0.0	9.8
23	29.6	25.1	27.4	93	64	79	0.0	11.1
24	28.7	22.0	25.4	99	67	83	0.0	10.2
25	30.1	23.9	27.0	91	62	77	0.0	10.5
26	30.1	23.8	27.0	92	56	74	0.0	9.8
27	28.9	22.9	25.9	94	73	84	0.0	8.1
28	30.0	23.2	26.6	90	67	79	0.0	7.6
29	30.0	23.3	26.7	90	61	76	0.0	8.5

AVG
HOURLY
WIND

MONTH	MEANS	29.9	22.8	26.3	86	53	69	0.0	9.0
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DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

65 YR AVG * 1976 * DEPARTURE
25.9 26.3 0.4

77 YR AVG * 1976 * DEPARTURE
0.5 0.0 -0.5

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: MARCH 1976

DAY	MAX TEMP	MIN TEMP	MEAN TEMP	MAX R H	MIN R H	MEAN R H	DAILY RAIN	DAILY WIND
1	29.5	25.7	27.6	86	75	81	0.0	17.1
2	29.2	24.9	27.1	86	76	81	0.0	11.0
3	30.2	24.3	27.3	87	75	81	0.0	10.4
4	31.4	21.1	26.3	88	69	79	0.0	7.7
5	31.2	21.3	26.3	88	70	79	0.0	8.4
6	31.7	23.5	27.6	88	73	81	0.0	9.9
7	30.2	22.9	26.6	84	73	79	0.0	8.3
8	30.2	22.0	26.1	86	72	79	0.0	9.9
9	31.3	23.4	27.4	86	71	79	0.0	9.0
10	30.7	20.6	25.7	86	65	76	0.0	6.8
11	31.2	21.6	26.4	87	60	74	0.0	9.3
12	30.9	25.7	28.3	86	68	77	0.0	11.1
13	29.9	23.9	26.9	83	66	75	0.0	11.3
14	30.1	25.5	27.8	84	69	77	0.0	10.8
15	30.1	25.4	27.8	74	55	65	0.0	12.6
16	30.6	24.6	27.6	84	53	69	0.0	6.9
17	30.1	24.6	27.4	80	54	67	0.0	10.7
18	29.2	24.9	27.1	79	61	70	0.0	7.6
19	29.3	24.7	27.0	85	56	71	0.0	12.3
20	32.4	24.6	28.5	80	39	60	0.0	14.1
21	31.2	24.3	27.6	81	48	65	0.0	10.6
22	30.7	25.0	27.9	76	48	62	0.0	11.7
23	29.2	24.4	26.8	74	54	64	0.0	10.2
24	30.7	23.9	27.3	76	45	61	0.0	9.1
25	30.1	23.9	27.0	72	42	57	0.0	9.1
26	30.8	19.9	25.4	83	44	64	0.0	8.3
27	31.4	20.1	25.8	87	45	66	0.0	8.0
28	31.3	20.6	26.0	88	46	67	0.0	9.2
29	30.7	24.3	27.5	76	47	62	0.0	9.8
30	30.7	23.5	27.1	73	40	57	0.0	7.8
31	30.1	20.2	25.2	85	45	65	0.0	8.6

AVG
HOURLY
WIND

MONTH	MEANS	30.5	23.4	27.0	83	58	70	0.0	9.9
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DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE
26.5 27.0 0.5

77 YR AVG * 1976 * DEPARTURE
0.5 0.0 -0.5

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: APRIL 1976

DAY	MAX TEMP	MIN TEMP	MEAN TEMP	MAX R H	MIN R H	MEAN R H	DAILY RAIN	DAILY WIND
1	22.4	22.6	25.0	72	50	64	0.0	10.5
2	30.6	23.2	26.9	78	41	60	0.0	10.8
3	29.9	23.5	26.7	78	51	65	0.0	6.6
4	28.7	23.7	26.2	71	60	66	0.0	7.0
5	28.2	23.7	26.0	85	75	80	0.0	8.2
6	31.4	25.7	28.6	83	60	72	0.0	8.6
7	34.0	23.0	28.5	91	42	67	0.0	4.1
8	35.8	21.5	28.7	94	41	68	0.0	3.0
9	33.9	23.9	28.9	95	50	73	0.0	3.0
10	31.5	22.8	27.2	100	57	79	0.3	4.3
11	31.0	23.5	27.3	78	54	66	0.0	7.0
12	31.1	23.1	27.1	85	49	67	0.0	5.2
13	31.4	22.6	27.0	83	43	63	0.0	5.2
14	31.3	21.9	26.6	87	42	65	0.0	7.2
15	32.6	19.8	26.2	94	51	73	0.0	3.9
16	31.8	20.5	26.2	94	50	72	0.0	5.7
17	32.4	20.6	26.5	94	41	68	0.0	5.9
18	34.4	21.2	27.8	51	33	42	0.0	5.3
19	32.9	22.4	27.7	88	38	63	0.0	0.1
20	32.7	23.7	28.2	86	42	64	0.0	6.9
21	31.1	21.0	26.1	90	56	73	0.0	8.2
22	32.5	24.6	28.6	90	52	71	0.0	8.3
23	32.0	25.2	28.6	81	59	70	0.0	8.5
24	31.3	25.7	28.5	85	58	72	0.0	9.5
25	28.9	25.7	27.3	82	67	75	0.0	8.2
26	30.7	23.9	27.3	96	58	77	1.3	3.7
27	29.8	23.9	26.9	100	77	89	0.2	3.5
28	31.5	24.0	27.8	95	61	78	0.3	7.6
29	26.4	24.7	25.6	97	87	92	0.1	1.7
30	31.9	24.2	28.1	92	74	83	0.0	3.2
								AVG HOURLY WIND
MONTH MEANS	31.4	23.2	27.3	87	54	70	2.2	6.3

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE
27.1 27.3 0.2

77 YR AVG * 1976 * DEPARTURE
.3.0 2.2 -0.8

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: MAY 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	31.9	23.6	27.8	95	60	78	0.2	1.9
2	31.2	24.3	27.8	95	66	81	0.1	2.9
3	31.2	24.1	27.7	95	70	83	0.1	1.7
4	31.1	23.5	27.3	100	58	79	0.0	6.7
5	30.4	23.2	26.8	98	57	78	0.0	9.1
6	27.0	23.9	25.5	86	74	80	0.5	4.4
7	29.4	23.7	26.6	91	65	78	0.0	5.5
8	30.7	23.5	27.1	91	61	76	0.0	7.7
9	30.1	23.6	26.9	97	61	79	0.0	9.4
10	30.6	26.1	28.4	82	61	72	0.0	11.4
11	34.2	26.4	28.8	81	62	72	0.0	8.2
12	31.2	25.5	28.4	97	66	82	0.0	4.3
13	32.1	25.0	28.6	95	67	81	0.0	3.8
14	31.8	24.5	28.2	90	60	75	0.5	1.8
15	33.2	24.3	28.8	100	52	76	0.0	5.1
16	31.7	24.3	28.0	98	64	81	0.0	6.5
17	31.9	24.2	28.1	91	50	71	0.0	7.2
18	32.2	23.0	27.6	100	55	78	0.0	3.2
19	30.6	23.6	27.1	95	61	78	0.5	4.6
20	32.0	24.5	28.3	90	55	73	0.1	3.1
21	32.5	24.4	28.5	91	65	78	0.2	1.6
22	31.3	23.9	27.6	95	65	80	0.1	2.0
23	31.1	23.5	27.3	92	62	77	0.0	1.6
24	33.1	24.2	28.7	92	60	76	0.2	1.6
25	30.6	23.4	27.0	97	68	83	0.2	2.4
26	30.1	23.4	26.8	92	65	79	0.7	2.2
27	31.8	23.6	27.7	91	64	78	0.0	2.1
28	27.7	22.6	25.2	100	81	91	1.2	1.9
29	30.4	22.8	26.6	92	61	77	0.0	2.9
30	30.9	22.5	26.7	95	67	81	1.0	2.1
31	31.8	21.2	26.5	99	60	80	0.1	2.2
								AVG HOURLY WIND
MONTH MEANS	31.1	23.9	27.5	94	63	78	6.5	4.2

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE

76 YR AVG * 1976 * DEPARTURE

26.9 27.5 0.6

0.4 6.5 6.1

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: MAY 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	31.9	23.6	27.8	95	60	78	0.2	1.9
2	31.2	24.3	27.8	95	66	81	0.1	2.9
3	31.2	24.1	27.7	95	70	83	0.1	1.7
4	31.1	23.5	27.3	100	58	79	0.0	6.7
5	30.4	23.2	26.8	98	57	78	0.0	9.1
6	27.0	23.9	25.5	86	74	80	0.5	4.4
7	29.4	23.7	26.6	91	65	78	0.0	5.5
8	30.7	23.5	27.1	91	61	76	0.0	7.7
9	30.1	23.6	26.9	97	61	79	0.0	9.4
10	30.6	26.1	28.4	82	61	72	0.0	11.4
11	31.2	26.4	28.8	81	62	72	0.0	8.2
12	31.2	25.5	28.4	97	66	82	0.0	4.3
13	32.1	25.0	28.6	95	67	81	0.0	3.8
14	31.8	24.5	28.2	90	60	75	0.5	1.8
15	33.2	24.3	28.8	100	52	76	0.0	5.1
16	31.7	24.3	28.0	98	64	81	0.0	6.5
17	31.9	24.2	28.1	91	50	71	0.0	7.2
18	32.2	23.0	27.6	100	55	78	0.0	3.2
19	30.6	23.6	27.1	95	61	78	0.5	4.6
20	32.0	24.5	28.3	90	55	73	0.1	3.1
21	32.5	24.4	28.5	91	65	78	0.2	1.6
22	31.3	23.9	27.6	95	65	80	0.1	2.0
23	31.1	23.5	27.3	92	62	77	0.0	1.6
24	33.1	24.2	28.7	92	60	76	0.2	1.6
25	30.6	23.4	27.0	97	68	83	0.2	2.4
26	30.1	23.4	26.8	92	65	79	0.7	2.2
27	31.8	23.6	27.7	91	64	78	0.8	2.1
28	27.7	22.6	25.2	100	81	91	1.2	1.9
29	30.4	22.8	26.6	92	61	77	0.0	2.9
30	30.9	22.5	26.7	95	67	81	1.0	2.1
31	31.8	21.2	26.5	99	60	80	0.1	2.2
								AVG HOURLY WIND
MONTH MEANS	31.1	23.9	27.5	94	63	78	6.5	4.2

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE

76 YR AVG * 1976 * DEPARTURE

26.9 27.5 0.6

10.8 6.5 -4.3

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: JUNE 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	32.3	22.6	27.5	96	58	77	0.0	2.2
2	31.0	23.5	27.3	97	66	82	0.8	2.1
3	29.1	24.4	26.8	95	83	89	0.0	1.8
4	33.0	23.2	28.1	95	56	76	1.1	1.8
5	33.1	23.2	28.2	95	59	77	0.6	1.7
6	32.7	23.6	28.2	100	66	83	0.2	2.4
7	28.8	24.2	26.5	96	82	89	0.1	2.0
8	32.4	23.9	28.2	95	63	79	0.0	2.6
9	30.1	23.8	27.0	100	64	82	0.4	3.6
10	28.1	24.1	26.1	90	76	83	0.0	4.1
11	31.1	24.3	27.7	93	61	77	0.0	5.1
12	28.0	23.9	26.0	93	65	79	0.0	3.5
13	32.2	22.7	27.5	96	55	76	0.3	1.9
14	30.5	23.2	26.9	100	60	80	0.4	4.3
15	29.7	23.2	26.5	99	71	85	0.0	1.8
16	30.1	24.2	27.2	100	70	85	0.0	2.3
17	30.6	23.6	27.1	88	64	76	0.1	2.4
18	32.4	24.0	28.2	94	59	77	0.2	2.2
19	31.4	23.9	27.7	98	73	86	0.7	1.7
20	31.9	23.2	27.6	96	60	78	0.0	2.1
21	30.6	23.0	26.8	92	72	82	0.3	2.3
22	31.6	22.7	27.2	96	65	81	0.0	3.0
23	32.6	23.2	27.9	100	62	81	1.8	2.9
24	30.6	23.2	26.9	100	68	84	0.0	2.2
25	28.9	23.2	26.1	88	67	78	0.0	3.3
26	32.1	22.6	27.4	96	58	77	0.2	2.3
27	30.6	23.0	26.8	90	69	80	3.3	2.5
28	28.6	23.8	26.2	92	73	83	0.2	1.7
29	29.7	23.5	26.6	90	68	79	0.0	2.0
30	32.8	23.2	28.0	100	56	78	0.0	4.4
								AVG HOURLY WIND
MONTH MEANS	30.9	23.5	27.2	95	66	80	10.7	2.6

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE

77 YR AVG * 1976 * DEPARTURE

26.5 27.2 0.7

11.6 10.7 -0.9

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MAIDEN DAM

MONTH: JULY 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	31.9	24.3	28.1	92	63	78	0.0	4.1
2	27.3	25.1	26.2	92	75	84	1.1	3.8
3	28.9	24.8	26.9	92	64	78	0.0	3.1
4	26.7	23.2	25.0	92	68	80	0.1	3.1
5	29.4	23.3	26.4	92	60	76	0.0	2.6
6	32.5	22.4	27.5	92	54	73	0.0	2.4
7	32.5	23.5	28.0	98	56	77	0.0	3.7
8	32.2	25.3	28.8	94	68	81	0.0	3.8
9	32.3	25.2	28.8	97	60	79	0.0	5.6
10	31.0	24.6	27.8	85	59	72	0.0	6.7
11	31.5	25.0	28.3	89	65	77	0.3	7.7
12	28.4	22.8	25.6	96	73	85	0.0	1.7
13	29.6	23.7	26.7	96	70	83	0.4	3.6
14	31.8	22.8	27.3	94	55	75	0.2	6.4
15	31.0	23.9	27.5	89	65	77	0.2	7.2
16	30.9	23.9	27.4	95	62	79	0.0	7.6
17	30.6	26.1	28.4	78	59	69	0.2	9.4
18	31.5	25.7	28.6	81	59	70	0.0	9.5
19	32.6	25.0	28.8	95	67	81	0.0	7.6
20	31.5	23.5	27.5	96	60	78	0.0	7.4
21	30.6	24.8	27.7	95	62	79	1.0	4.8
22	29.4	24.2	26.8	97	69	83	0.5	2.9
23	30.6	23.6	27.1	98	68	83	0.2	3.4
24	30.4	24.5	27.5	100	59	80	0.1	3.8
25	31.1	25.7	28.4	96	61	79	0.2	4.9
26	33.8	24.7	29.3	89	54	72	0.2	4.7
27	32.9	24.0	28.5	92	53	73	0.1	3.8
28	32.1	24.2	28.2	90	54	72	0.0	3.7
29	29.9	24.3	27.1	90	64	77	0.0	4.6
30	31.7	25.4	28.5	89	60	75	0.0	9.1
31	31.9	25.3	28.6	91	56	74	0.0	5.6
								AVG HOURLY WIND
MONTH								
MEANS	30.9	24.3	27.6	92	62	77	4.8	5.1

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

63 YR AVG * 1976 * DEPARTURE

78 YR AVG * 1976 * DEPARTURE

26.5 27.6 1.1

11.9 4.8 -7.1

PANAMA CANAL COMPANY

METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: AUGUST 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	29.6	24.4	27.0	92	67	80	0.0	2.8
2	31.2	23.9	27.6	90	64	77	1.1	1.9
3	29.4	23.9	26.7	91	70	81	0.0	2.1
4	30.0	24.3	27.2	92	64	78	0.1	3.0
5	31.7	23.9	27.8	92	62	77	0.0	2.8
6	31.6	24.7	28.2	92	62	77	0.0	4.0
7	30.7	24.3	27.5	92	62	77	0.0	6.4
8	30.3	23.8	27.1	92	59	76	0.0	8.1
9	31.2	24.7	28.0	92	56	74	0.0	7.9
10	30.9	24.5	27.7	90	58	74	0.0	8.1
11	30.9	23.9	27.4	90	58	74	0.3	4.8
12	28.6	24.4	26.5	90	68	79	0.0	2.1
13	32.1	24.2	28.2	90	55	73	0.4	2.1
14	31.6	24.4	28.0	91	57	74	0.2	2.5
15	28.8	24.2	26.5	92	70	81	0.2	3.4
16	31.6	23.9	27.8	92	57	75	0.0	2.6
17	30.9	22.5	26.7	92	60	76	0.2	2.2
18	32.0	22.0	27.0	92	49	71	0.0	3.6
19	31.4	20.6	26.0	91	52	72	0.0	4.4
20	31.6	23.1	27.4	92	57	75	0.0	2.7
21	30.6	23.4	27.0	92	62	77	1.0	2.1
22	25.3	23.2	24.3	92	65	79	0.5	2.2
23	30.1	22.8	26.5	94	61	78	0.2	2.1
24	30.6	22.8	26.7	92	56	74	0.1	3.6
25	29.6	24.9	27.3	92	63	78	0.2	3.6
26	27.9	22.2	25.1	92	64	78	0.2	2.5
27	30.9	23.6	27.3	91	60	76	0.1	2.7
28	29.8	22.0	25.9	92	64	78	0.0	2.6
29	27.6	23.6	25.6	92	69	81	0.0	3.0
30	31.2	23.2	27.2	92	64	78	0.0	3.5
31	32.4	24.4	28.4	92	58	75	0.0	3.3

AVG
HOURLY
WIND

MONTH	MEANS	30.4	23.6	27.0	92	61	76	4.8	3.5
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DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE
26.3 27.0 0.7

78 YR AVG * 1976 * DEPARTURE
11.6 4.8 -6.8

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MAIDEN DAM

MONTH: SEPTEMBER 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	32.2	23.9	28.1	95	60	78	1.8	2.6
2	27.4	22.2	24.8	92	83	88	0.5	1.9
3	30.6	23.0	26.8	93	68	81	0.0	3.3
4	32.1	24.2	28.2	93	68	81	0.0	2.8
5	30.2	22.8	26.5	100	66	83	1.5	2.2
6	31.9	22.6	27.3	94	53	74	0.1	2.2
7	31.0	22.4	26.7	97	67	82	0.0	3.1
8	31.5	24.3	27.9	89	61	75	0.1	5.3
9	31.2	23.7	27.5	93	64	79	0.0	1.8
10	30.5	24.4	27.5	89	70	80	0.2	2.6
11	31.4	25.2	28.3	93	59	76	0.0	5.0
12	31.5	24.7	28.1	91	59	75	0.0	5.4
13	31.5	25.1	28.3	88	62	75	0.2	3.3
14	29.6	23.8	26.7	96	72	84	0.3	1.9
15	31.4	23.0	27.2	98	67	83	0.8	1.6
16	28.5	22.0	25.3	96	79	88	0.9	2.1
17	31.8	21.1	26.5	95	57	76	0.0	3.9
18	31.9	24.4	28.2	93	62	78	0.0	4.6
19	31.0	24.2	27.6	93	65	79	0.0	4.6
20	29.2	24.9	27.1	95	74	85	0.0	2.4
21	30.6	24.9	27.8	92	69	81	0.0	2.8
22	31.5	23.1	27.3	98	66	82	1.2	2.1
23	30.6	22.8	26.7	95	68	82	0.1	1.9
24	27.7	23.5	25.6	100	83	92	0.1	2.4
25	30.3	23.8	27.1	93	69	81	0.1	1.7
26	31.4	23.0	27.2	94	57	76	0.4	1.4
27	29.7	22.6	26.2	96	62	79	1.1	2.6
28	32.9	22.8	27.9	96	53	75	0.4	1.6
29	30.3	23.1	26.7	96	67	82	0.0	1.8
30	31.9	22.9	27.4	97	63	80	0.6	2.1

AVG
HOURLY
WIND

MONTH								
MEANS	30.8	23.5	27.1	94	66	80	10.4	2.8

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

65 YR AVG * 1976 * DEPARTURE
25.6 22.1 1.5

76 YR AVG * 1976 * DEPARTURE
11.4 10.4 -1.0

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: OCTOBER 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	32.1	22.7	27.4	96	57	77	0.7	2.0
2	31.4	22.9	27.2	98	64	81	0.0	1.9
3	30.6	23.1	26.9	97	62	80	0.0	3.9
4	30.6	22.7	26.7	93	60	77	0.0	4.6
5	30.6	23.5	27.1	91	61	76	0.2	2.6
6	31.0	23.1	27.1	92	60	76	0.3	1.4
7	31.6	23.3	27.5	91	58	75	1.6	2.1
8	28.8	22.6	25.7	92	68	80	0.5	2.8
9	30.6	22.8	26.7	92	64	78	0.1	2.5
10	29.5	22.6	26.1	92	66	79	0.0	3.0
11	30.2	22.7	26.5	92	64	78	1.0	1.6
12	30.0	22.9	26.5	92	65	79	0.1	2.1
13	29.9	22.8	26.4	91	64	78	0.9	1.7
14	30.6	22.2	26.4	92	63	78	0.1	3.2
15	30.1	23.3	27.0	92	57	75	0.4	0.2
16	32.6	23.1	27.9	90	63	77	0.5	1.6
17	31.8	23.4	27.6	90	58	74	2.1	2.7
18	30.4	22.1	26.3	93	64	79	0.1	2.5
19	31.4	23.5	27.5	92	58	75	0.4	1.8
20	32.1	22.8	27.5	92	58	75	0.2	1.9
21	27.6	23.9	25.8	92	72	82	0.0	2.1
22	31.0	23.6	27.3	92	59	76	0.4	4.0
23	30.9	23.7	27.3	92	58	75	0.1	2.1
24	31.4	23.7	27.6	92	60	76	0.2	2.1
25	28.6	23.8	26.2	92	63	78	1.4	1.2
26	30.1	23.1	26.6	92	67	80	0.7	2.1
27	32.7	23.1	27.9	92	58	75	0.0	1.9
28	30.2	23.6	26.9	92	60	76	0.0	3.5
29	29.1	22.8	26.0	90	72	81	0.7	1.6
30	32.0	22.0	27.0	91	54	73	0.0	1.8
31	31.8	23.0	27.4	90	62	76	2.3	1.7
								AVG HOURLY WIND
MONTH MEANS	30.7	23.1	26.9	92	62	77	15.0	2.4

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

62 YR AVG * 1976 * DEPARTURE

78 YR AVG * 1976 * DEPARTURE

25.8 26.9 0.1

13.9 15.0 1.1

PANAMA CANAL COMPANY
METEOROLOGICAL AND HYDROGRAPHIC BRANCH

MONTHLY METEOROLOGICAL SUMMARY

STATION: MADDEN DAM

MONTH: NOVEMBER 1976

DAY	MAX TEMP	MIN TEMP	AVG TEMP	MAX R H	MIN R H	AVG R H	DAILY RAIN	DAILY WIND
1	31.4	22.8	27.1	90	62	76	0.4	2.1
2	31.0	22.6	26.8	90	60	75	0.3	2.5
3	27.8	22.4	25.1	90	66	78	0.2	2.7
4	30.5	21.1	25.8	90	63	77	0.0	2.9
5	27.9	23.1	25.5	90	72	81	0.6	2.4
6	30.6	22.4	26.5	90	68	79	0.0	2.5
7	29.6	23.9	26.8	90	66	78	0.0	1.0
8	31.9	24.7	28.3	92	64	78	0.5	1.7
9	26.0	23.2	24.6	92	79	86	0.5	3.6
10	29.5	24.2	26.9	92	68	80	0.5	2.2
11	29.1	23.9	26.5	93	66	80	0.3	2.0
12	29.2	23.2	26.2	92	66	79	0.3	1.4
13	30.9	23.0	27.0	92	62	77	2.2	1.9
14	31.3	22.7	27.0	93	52	73	0.0	2.1
15	30.0	22.0	26.0	94	60	77	0.1	2.1
16	31.5	22.8	27.2	93	55	74	0.1	1.7
17	31.4	23.0	27.2	93	60	77	0.0	2.1
18	31.4	23.1	27.3	93	60	77	0.0	3.5
19	31.4	23.1	27.3	92	58	75	0.0	2.6
20	31.9	23.2	27.6	92	62	77	0.9	1.4
21	32.7	23.1	27.9	93	61	77	0.5	1.4
22	31.4	23.9	27.7	92	56	74	0.0	3.5
23	32.7	23.8	28.3	90	54	72	0.0	5.6
24	30.6	26.4	28.5	84	60	72	0.0	8.0
25	30.6	23.9	27.3	89	56	73	0.0	7.7
26	31.1	23.4	27.3	85	58	72	0.0	5.5
27	31.4	22.7	27.1	88	50	69	0.0	3.4
28	30.6	23.6	27.1	87	54	71	0.0	5.1
29	31.2	22.5	26.9	86	60	73	0.0	5.5
30	31.1	22.4	26.8	93	54	74	0.0	5.1

AVG
HOURLY
WIND

MONTH								
MEANS	30.6	23.2	26.9	91	61	76	7.4	3.2

DEPARTURES FROM AVERAGE

AIR TEMPERATURE (CENT.)

RAINFALL (INCHES)

64 YR AVG * 1976 * DEPARTURE
25.1 26.9 1.8

78 YR AVG * 1976 * DEPARTURE
13.4 7.4 -6.0
