

ROSENSTIEL SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES
University of Miami

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**MIAMI SEA TEMPERATURES
AND SALINITIES**

by

H. B. Moore

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Antonio Mendez and Max Flandorfer

Rickenbacker Cswy.
Miami, Florida 33149

F. G. Walton Smith
Director

ML 70038

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LABORATORY DOCK TEMPERATURES

	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Jan.	--	18.7	20.9	--	--	21.3	19.9	20.3	20.9	20.8	22.0	21.6	20.6
Feb.	--	17.8	24.7	--	26.2	23.4	21.3	19.9	22.4	20.8	21.7	20.2	20.9
Mar.	--	22.3	23.1	--	26.1	23.2	23.7	23.6	23.4	22.2	23.1	21.1	20.7
April	--	24.4	25.2	--	26.8	23.7	24.6	25.4	26.5	23.8	24.5	25.5	24.9
May	--	26.8	27.2	--	28.0	25.6	27.9	26.8	26.3	27.1	26.8	27.0	27.9
June	--	29.2	28.8	--	29.2	27.4	29.8	29.0	28.3	27.4	28.2	27.0	29.6
July	--	30.1	--	--	31.4	30.6	30.9	29.6	29.6	29.2	29.8	29.4	30.5
Aug.	30.2	31.0	29.9	30.1	32.2	30.9	31.7	30.4	30.0	30.1	29.7	30.2	30.3
Sept.	29.2	29.2	29.3	29.6	31.2	--	29.4	28.8	28.0	29.5	29.5	29.4	28.8
Oct.	27.0	26.9	--	29.5	27.1	28.0	26.3	26.1	27.1	27.3	26.6	26.7	27.6
Nov.	24.6	25.7	--	27.2	24.7	23.2	23.0	24.8	24.6	23.4	24.3	23.3	23.5
Dec.	21.1	22.1	--	25.8	23.5	20.6	20.8	22.9	22.0	21.0	22.9	20.8	20.8

Mean Years

Jan.	20.7	10
Feb.	21.8	11
Mar.	23.0	11
April	25.0	11
May	27.0	11
June	28.5	11
July	30.1	10
Aug.	30.5	13
Sept.	29.3	12
Oct.	27.2	12
Nov.	24.4	12
Dec.	22.0	12

LABORATORY DOCK TEMPERATURES

	1957		1958		1959		1960		1961	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	--		20.2	18.1	24.0	17.7	--	--	--	--
Feb.	--		21.6	15.7	25.2	23.0	--	--	26.8	25.6
March	--		24.4	19.6	23.6	21.3	--	--	26.6	25.4
April	--		27.8	21.2	26.9	21.4	--	--	27.4	26.0
May	--		28.4	25.2	28.1	21.4	--	--	29.2	27.0
June	--		30.3	27.7	29.3	27.8	--	--	30.7	28.4
July	--		31.9	28.0	--	--	--	--	32.0	30.8
Aug.	31.0	29.3	32.0	29.6	30.6	29.2	31.5	29.0	32.7	31.6
Sept.	29.8	27.8	30.6	28.1	30.1	28.9	30.2	28.5	31.8	30.1
Oct.	29.7	22.9	29.9	24.4	--	--	29.6	26.7	31.0	24.6
Nov.	25.9	23.2	26.9	24.6	--	--	28.1	26.0	25.0	24.1
Dec.	23.0	19.6	25.4	17.9	--	--	27.0	24.5	24.2	22.6

	1962		1963		1964		1965		1966	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	24.2	15.7	22.7	18.9	22.1	17.9	23.4	17.4	22.8	15.8
Feb.	25.2	21.0	23.4	20.1	22.1	17.1	24.7	19.4	25.5	16.9
March	25.3	21.8	24.9	22.1	26.2	19.6	27.6	19.0	24.0	20.1
April	24.6	22.8	27.8	22.3	27.4	22.0	27.9	24.6	25.0	22.3
May	26.8	24.8	28.3	27.4	28.2	25.3	28.5	24.0	28.9	24.8
June	28.2	26.4	30.4	28.7	30.8	27.1	30.0	27.0	29.8	25.0
July	31.7	28.7	31.8	30.9	31.0	28.1	30.2	29.2	31.2	26.0
Aug.	32.1	29.0	32.0	31.2	31.9	28.4	31.0	28.9	30.8	29.0
Sept.	--	--	31.2	27.8	30.8	27.2	30.1	27.0	30.5	28.1
Oct.	30.3	24.9	28.2	25.0	28.9	23.9	29.1	23.0	29.2	25.2
Nov.	24.2	20.1	24.9	21.3	25.5	24.1	26.0	22.9	26.1	20.0
Dec.	22.2	18.2	21.2	20.6	23.8	21.6	24.3	19.8	22.9	19.0

LABORATORY DOCK TEMPERATURES (continued)

	1967		1968		1969	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	24.0	19.0	24.5	19.9	21.8	20.6
Feb.	23.0	18.0	22.0	18.5	22.5	20.9
March	26.0	19.5	23.1	18.0	24.0	20.7
April	26.9	21.0	28.4	22.9	28.0	24.9
May	29.1	23.1	29.2	24.5	29.2	27.9
June	30.5	25.5	30.1	25.1	31.1	29.6
July	30.9	28.7	31.5	27.0	32.1	30.5
Aug.	31.1	28.4	31.6	29.1	31.1	30.3
Sept.	30.9	27.5	31.5	27.0	30.0	28.8
Oct.	27.8	25.2	29.0	24.0	29.1	27.6
Nov.	26.1	22.0	26.1	20.1	26.5	23.5
Dec.	25.0	20.5	24.0	17.0	23.1	20.8

VENETIAN CAUSEWAY TEMPERATURES - MIAMI MARINE TEST STATION

	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Jan.	23.6	20.7	22.2	23.3	20.5	22.1	21.5	22.9	21.0	20.0	23.6	19.9
Feb.	19.7	23.3	24.0	23.3	20.1	21.0	22.9	22.1	21.0	23.5	25.2	18.8
Mar.	21.6	25.4	23.4	24.3	23.5	23.8	26.0	23.1	25.0	23.8	24.7	23.1
April	26.6	25.5	25.5	23.5	24.6	23.7	26.2	27.2	26.0	24.9	27.1	25.7
may	27.3	27.8	27.4	28.1	26.7	27.2	29.2	28.4	28.1	28.9	29.1	28.1
June	28.8	28.9	29.1	30.1	30.1	30.4	29.6	29.4	29.5	29.8	30.9	30.2
July	29.0	30.4	30.3	30.3	30.4	30.3	31.3	30.7	30.3	31.1	31.7	31.3
Aug.	29.5	30.3	30.0	30.4	31.3	31.0	31.4	31.5	30.7	31.6	31.5	32.2
Se t.	30.3	28.6	29.7	29.6	30.2	29.9	30.4	29.8	30.4	29.7	30.5	31.0
Oct.	27.0	27.5	27.6	28.1	27.8	27.9	27.1	27.3	27.4	28.3	28.0	28.1
Nov.	26.2	26.3	23.2	22.7	23.7	25.2	24.7	24.0	25.2	23.5	25.4	27.0
Dec.	22.9	25.1	23.1	20.1	23.0	22.1	23.4	21.2	22.8	23.7	21.6	24.0
	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	
Jan.	21.9	22.6	20.2	21.3	21.4	20.9	21.8	20.5	21.7	20.1	18.5	
Feb.	25.9	21.8	21.9	22.6	20.9	20.5	22.3	20.3	20.4	18.7	18.7	
Mar.	24.1	21.2	23.8	23.3	24.4	24.1	23.1	22.1	23.2	18.9	18.0	
April	26.2	24.7	24.8	24.5	25.0	25.9	27.2	23.9	24.5	23.0	22.8	
May	28.2	27.2	26.9	27.0	27.0	27.3	26.8	27.2	27.0	24.1	24.2	
June	30.2	28.7	28.7	29.1	29.8	29.8	29.3	28.1	28.5	24.2	25.6	
July	31.2	30.5	30.4	30.7	31.1	30.5	30.3	29.5	30.1	26.8	27.9	
Aug.	31.1	30.1	31.1	30.7	31.3	31.4	30.4	30.0	30.2	27.7	28.1	
Sept.	--	28.7	29.9	29.9	29.7	29.6	28.3	29.4	28.8	26.9	29.8	
Oct.	29.6	28.3	26.8	27.1	26.3	26.6	27.4	27.1	25.6	24.6	27.5	
Nov.	26.5	24.8	24.7	22.1	23.8	25.4	24.6	22.7	22.8	20.7	24.3	
Dec.	--	20.1	22.6	19.7	20.3	23.3	21.3	19.6	22.2	18.7	22.1	
	Mean	Years										
Jan.	21.4	23										
Feb.	21.7	23										
Mar.	23.6	23										
April	25.2	23										
May	27.4	23										
June	29.1	23										
July	30.3	23										
Aug.	30.6	23										
Sept.	29.6	23										
Oct.	27.3	23										
Nov.	24.3	23										
Dec.	22.0	23										

VENETIAN CAUSEWAY TEMPERATURES - MIAMI MARINE TEST STATION

	1953		1954		1955		1956		1957	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	--	--	24.7	19.4	24.2	16.6	22.9	16.3	26.5	21.2
Feb.	--	--	24.4	18.0	22.5	17.6	25.2	22.3	27.0	24.0
Mar.	--	--	27.6	19.8	27.0	19.8	26.6	20.6	27.5	20.8
April	--	--	28.8	25.6	27.6	22.0	28.4	22.7	28.7	25.0
May	--	--	30.6	26.9	30.8	24.5	29.8	28.2	31.1	26.9
June	--	--	31.1	28.1	--	--	31.9	28.9	32.4	29.1
July	--	--	31.9	28.0	31.3	28.7	32A	29.7	32.3	30.9
Aug.	--	--	32.5	29.8	31.6	30.1	32.6	30.7	33.4	30.5
Sept.	--	--	30.9	29.0	31.3	29.1	31.5	28.6	31.9	29.4
Oct.	29.1	23.5	29.3	24.8	29.6	25.0	31.2	25.8	30.2	23.5
Nov.	27.0	23.7	26.8	22.3	26.4	24.1	26.4	21.1	27.2	23.2
Dec.	26.7	19.2	24.1	17.5	24.8	21.0	26.4	22.2	23.7	18.0

	1958		1959		1960		1961		1962	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	23.2	16.4	26.4	18.4	25.9	17.3	22.1	15.2	24.2	16.2
Feb.	24.3	16.9	26.8	21.2	23.7	19.6	24.8	18.8	25.2	19.5
Mar.	25.3	20.3	26.7	21.2	24.6	18.1	25.6	19.7	25.6	20.1
April	28.6	22.5	28.8	22.9	26.8	22.0	26.6	23.0	27.0	21.8
May	29.8	25.7	29.8	26.9	29.1	24.9	29.1	25.0	29.5	24.8
June	31.7	29.0	32.5	29.6	31.2	26.6	30.6	26.8	30.6	27.8
July	33.9	29.4	32.6	29.5	31.6	28.7	31.1	28.4	32.0	29.3
Aug.	33.7	30.7	32.4	30.2	31.7	27.8	32.0	29.9	32.0	29.1
Sept.	32.2	29.5	--	--	30.0	26.2	31.2	29.0	31.6	27.4
Oct.	31.1	26.0	31.2	26.7	29.8	25.7	30.0	24.1	30.2	23.9
Nov.	28.2	26.0	29.4	19.6	27.4	23.0	25.8	21.2	24.0	20.0
Dec.	27.1	19.3	--	--	23.1	16.0	25.0	17.2	24.0	15.9

VENETIAN CAUSEWAY TEMPERATURES - MIAMI MARINE TEST STATION (continued)

	1963		1964		1965		1966		1967	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	24.0	18.3	22.7	17.7	23.4	19.8	23.2	17.5	23.7	19.8
Feb.	23.2	19.0	22.3	18.5	24.8	18.5	24.5	16.2	22.8	16.7
Mar.	27.2	20.8	25.8	20.3	27.6	19.2	23.5	19.7	25.9	18.7
April	27.6	23.0	27.6	22.0	27.7	24.8	25.1	22.3	26.8	21.3
May	29.2	23.7	28.5	26.1	28.6	25.0	28.5	25.4	28.7	24.9
June	30.7	28.8	31.9	28.1	30.7	28.1	29.7	26.2	30.6	25.9
July	32.0	30.4	31.9	29.4	31.6	29.2	30.5	27.3	31.4	28.8
Aug.	32.6	30.0	32.6	29.6	30.9	29.9	30.2	29.8	31.7	28.6
Sept.	31.3	27.9	31.6	28.5	30.8	26.3	30.5	28.1	31.5	27.0
Oct.	28.6	25.3	29.7	24.2	30.3	23.8	29.1	25.6	27.0	24.0
Nov.	26.3	21.2	26.4	24.6	26.4	22.3	25.2	19.5	25.5	20.0
Dec.	23.9	18.0	24.4	22.3	23.5	19.9	21.8	18.0	24.5	19.6
	1968		1969							
	MAX.	MIN.	MAX.	MIN.						
Jan.	22.5	16.5	19.4	16.7						
Feb.	20.3	16.2	20.0	16.7						
Mar.	21.4	15.5	21.1	15.6						
Apr.	25.0	21.1	25.0	20.6						
May	26.1	21.7	26.1	22.2						
June	26.1	22.8	23.9	26.7						
July	28.3	24.4	30.0	20.0						
Aug.	28.3	26.7	30.0	26.7						
Sept.	28.3	24.4	30.9	28.9						
Oct.	27.2	21.1	28.9	26.7						
Nov.	22.8	18.3	27.2	22.8						
Dec.	21.7	16.1	23.9	21.4						

SALINITY ‰ - LABORATORY DOCK

	1964	1965	1966	1967	1968	1969	Mean	Years
Jan.	--	34.07	34.45	34.18	34.42	31.34	33.69	5
Feb.	34.55	34.25	34.04	34.99	34.60	34.50	34.49	6
March	35.15	34.95	34.16	34.97	34.73	34.68	34.77	6
April	36.67	36.88	34.62	35.73	36.39	34.22	35.75	6
May	36.20	37.60	35.82	37.56	34.78	33.18	35.86	6
June	33.45	37.61	30.96	35.60	30.06	31.37	33.18	6
July	34.57	37.59	31.26	32.28	30.57	31.92	33.03	6
Aug.	35.67	36.97	32.64	34.14	32.83	32.73	34.16	6
Sept.	34.58	34.43	33.96	34.97	33.34	32.71	33.99	6
Oct.	33.99	33.19	32.02	32.84	31.38	32.48	32.65	6
Nov.	33.03	32.48	34.22	34.15	33.95	33.13	33.49	6
Dec.	33.85	34.10	34.95	33.86	34.08	33.46	34.05	6

SALINITY ‰ - LABORATORY DOCK

	1964		1965		1966		1967		1968	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
Jan.	--	--	35.86	32.67	35.89	32.55	35.53	31.16	35.39	32.51
Feb.	30.04	32.78	35.70	32.14	36.04	31.13	35.76	32.23	35.75	33.37
Mar.	36.08	33.25	36.65	32.04	35.56	29.92	35.98	33.38	35.89	33.27
April	37.78	35.52	37.99	35.35	35.92	32.97	37.09	34.39	37.46	34.87
May	37.62	34.89	39.34	36.18	36.70	33.99	38.71	36.52	37.37	28.78
June	36.59	29.11	39.09	35.99	35.18	25.19	38.59	31.92	35.28	24.47
July	36.26	30.39	39.15	35.69	34.93	27.19	34.89	29.80	34.65	23.70
Aug.	36.79	33.37	38.09	35.79	35.09	30.62	35.59	32.34	35.22	29.39
Sept.	36.09	33.39	37.77	30.52	34.68	30.55	35.99	34.13	35.02	30.66
Oct.	35.68	31.05	34.90	30.97	34.82	28.01	34.76	29.51	34.27	27.60
Nov.	34.97	30.75	35.37	30.14	35.94	32.22	36.04	32.48	35.69	30.29
Dec.	35.60	31.31	35.99	31.56	36.05	32.99	35.58	31.62	35.78	31.27
	1969									
	MAX.	MIN.								
Jan.	35.10	32.23								
Feb.	35.97	32.22								
Mar.	36.02	32.82								
April	35.19	33.11								
May	34.92	31.73								
June	34.42	26.33								
July	37.00	27.11								
Aug.	34.99	28.82								
Sept.	34.98	28.23								
Oct.	34.97	29.46								
Nov.	34.88	31.18								
Dec.	35.13	31.19								