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SCRIPPS INSTITUTION OF OCEANOGRAPHY

SURFACE WATER TEMPERATURES AT SHORE STATIONS

United States West Coast

1978

Including surface salinities from several stations and five-meter temperatures and salinities at Scripps Pier.

Sponsored by:

Marine Research Committee
State of California

Marine Life Research Group
Scripps Institution of Oceanography

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Approved for distribution:

W. A. Nierenberg, Director

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INTRODUCTION

This report presents temperature and salinity data observed during 1978 at shoreline stations along the west coast of North America from the Strait of Juan de Fuca, Washington to La Jolla, California. The data consists of daily recorded temperature and salinity values when available, with monthly means, ranges and standard deviations based on these observations. Also computed are yearly mean, maximum and minimum values for those stations with some observations for every month of the year. Please note that reports issued for the years before 1974 did not include daily recorded values.

Various agencies and individuals volunteer to make daily observations which are sent monthly to the Scripps Institution of Oceanography Marine Life Research Group for processing. The agencies are: National Oceanic and Atmospheric Administration/National Ocean Survey (NOAA/NOS), U.S. Coast Guard, Point Reyes Bird Observatory, The California State Park System, Oregon State University, California State University, Pacific Gas and Electric Company, Mendocino Biological Field Station, California Department of Fish and Game, and Scripps Institution of Oceanography of the University of California, San Diego. All stations excluding those of NOAA/NOS and those reporting to Oregon State University, are maintained in cooperation with Scripps Institution of Oceanography, which supplies them with thermometers.

Observations are taken by measuring the temperature of a sample of water scooped from the surface in a bucket or a bottle. The temperatures are recorded as observed with no attempt to screen or eliminate observer errors.

Each month, NOAA/NOS sends to Scripps Institution daily temperature and density values from four tide stations located at Neah Bay, Washington and Crescent City, Port San Luis and Santa Monica, California. Temperature readings for Santa Monica, Port San Luis, Crescent City and Neah Bay are recorded to 0.5°F. These Fahrenheit readings have been converted and are reported to the nearest 0.1°C.

Temperatures from Scripps' cooperative stations and from stations reporting to Oregon State University are read to the nearest 0.1°C with calibrated thermometers except for Ventura and Morro Bay which are read to the nearest degree Fahrenheit. The observations are considered accurate to approximately $\pm$ 0.2°C.

Salinities for Scripps Pier, Balboa, S. E. Farallon Island, San Clemente, Ventura Marina, Bodega Bay and Trinidad are obtained from sea water samples in special salinity bottles supplied by Scripps. Water samples are forwarded to Scripps at the end of each month for salinity determination by inductive salinometer. Salinities are listed to hundredths of a part per thousand. Values of maximum salinities may possibly be in error due to evaporation or contamination of the samples in the bottles.

Reported salinities exceeding 34°/oo may be due to faulty sampling techniques. Salinities less than 30°/oo are due to local precipitation or fresh water runoff. Neither are representative of offshore oceanic waters. As with previous reports in this series, all salinities higher than 34.9°/oo have been omitted.

The data presented is grouped in three 10-day periods: 1 to 10, 11 to 20 and 21 to 30 (or 31). The mean is computed for each 10-day period. The monthly means, maxima and minima are reported. Where some data was recorded for every month of the year, the annual mean, maximum and minimum are also given.

CALIFORNIA STATION DESCRIPTIONS

From time to time, questions arise concerning just where the temperatures are taken and how representative these temperatures might be.

Crescent City

This is a Coast and Geodetic Survey tide gauge station located on the end of the Coast Guard Pier inside the harbor at Crescent City. The harbor has a small entrance formed by two breakwaters. Temperatures at the tide gauge site and the water on the beach outside the breakwater are nearly the same.

Trinidad Beach

Trinidad Bay

California State University-Humboldt operates a marine laboratory on this rocky headland. Temperatures are taken daily off the fishing pier on the lee or southeast side of the headland and on the beach on the northwest side of the headland. In May 1977 the laboratory began collecting water samples in bottles supplied by Scripps, returning the samples monthly for salinity determination by inductive salinometer. The salinity values for 1978 are included in this report and will differ from the values determined by uncalibrated hydrometer readings and listed by the marine laboratory in their monthly report.

Shelter Cove (Reactivated January 1978)

Data from this station, 1967-1970, has been published in the past. This station was reactivated in January 1978 in conjunction with a Scripps tide gauge station. Temperatures are read on an electronic thermometer, which is checked once a month with a bucket thermometer.

Albion

Personnel from the Mendocino Biological Field Station, Pacific Union College, Augwin, California take daily temperatures from the beach near the mouth of the Albion River. The temperature is very similar to the earlier Mendocino station at Russian Gulch which was discontinued after 1970. Occasionally the temperature is affected by floods.

Point Arena (New station March 1978)

A group of surfers and ecologists, who use the old Coast Guard lifeboat station pier as headquarters, take the daily temperatures on this station.

Salt Point State Park

The rangers take daily water temperatures from Gerstle Cove. This station took over reporting from the old Fort Ross station about 10 miles down the coast. Temperatures at both stations are virtually the same and as this is a steep rocky coast, the temperatures are very representative of the coastal waters. Summer upwelling temperatures show this section of the coast to be one of the coldest.

Bodega Bay

The University of California Marine Biological Laboratory located at Horseshoe Cove takes daily water temperatures and water samples at the intake pipe to their aquarium water system located in a deep rocky channel on the northern headland of the cove. Since the water is deep and the headland steep and rocky, the temperatures are quite representative of the coastal water. This station continues the coverage provided earlier by Sonoma Coast State Beach.

Farallon Islands

The islands are now part of the Point Reyes National Park and Bird Sanctuary. Personnel stationed on S. E. Farallon, where the Coast Guard lighthouse is located, take daily temperature and salinity samples. Salinity samples are sealed in special bottles supplied by Scripps and mailed back when the supply boat comes out to the island. The boat landing on the southeast side of the island is steep and rocky, so the measurements are very representative of the oceanic waters around the islands. Measurements are interrupted from time to time because of weather, personnel and supply problems caused by the islands' location 26 miles west of the Golden Gate, where they catch the full force of winter storms, and the strong summer northwesters.

Pacific Grove

Hopkins Marine Station of Stanford University takes daily temperature from a beach on the north side of Point Cabrillo just to the north of their main laboratory buildings. The location is exposed to the northwest swell as it sweeps past Point Pinos and so is very representative of the coastal conditions on the south side of Monterey Bay.

Point Lobos, North Side - Whalers Cove

Point Lobos State Park is a rocky headland jutting into the Pacific forming the southern shore for Carmel Bay. Whalers Cove is a calm, deep-water nook on the northern inshore end of the point. As part of Carmel Bay, the water in the cove is a little warmer than out in the ocean during calm weather. During winter, or during the summer northwest wind season, the temperatures are more representative of oceanic conditions offshore.

Point Lobos, South Side - Sand Hill Cove

Conditions on the exposed southern side of the point tend to be rougher and reflect local upwelling in the lee of the point. Temperatures are taken from a deep surge channel on the rocky shore and are very representative of this section of coast. They also show the upwelling effect in the lee of the point.

Granite Canyon (New station March 1978)

Personnel of the California Department of Fish and Game, Marine Culture Laboratory, take the daily temperature off the rocks near the water intake for the laboratory.

Morro Bay

The Pacific Gas and Electric Company has a major power generating plant located at the entrance to Morro Bay's harbor mouth. Temperatures are logged from the thermograph that monitors the cooling intake water for the generators. Temperatures are recorded about 8 a.m. every morning, which reduces the effect of tidal heating from back bay water. Since the discharge of hot water is outside the bay, the intake temperatures are quite representative of those found in the southern part of Estero Bay. (The northern part of the bay is generally colder. This condition existed long before the light plant went in and was noted in earlier measurements made by Daniel Brown of SIO.)

Port San Luis

The Coast and Geodetic Survey's tide gauge station is located on the old fishing pier in the northwest corner of the harbor. The old site was on Avila recreational pier which was a better location. The new location is less subject to storm damage particularly the southeast winter gales. However, the counter-clockwise circulation of current in the bay traps the river runoff from San Luis Creek in the northwest corner of the bay behind the breakwater. Temperature is also about 0.1°C warmer at the new site.

Santa Barbara

Personnel of the Harbor Department take daily water temperatures off the breakwater by the corner where it meets the beach. This is done every morning early before the sun heats up the beach, and so gives a representative temperature of the coastal water. Temperatures were formerly collected from the harbormaster's docks, but the configuration of the harbor changed so the site was moved to the beach by the breakwater.

Ventura

The Harbor Department takes daily temperatures and salinity samples from their dock located at the entrance to the Ventura Marina. Measurements are taken in the early morning to reduce the effect of local harbor heating. In spite of local harbor heating, the temperatures seem to be quite representative as this seems to match the heating of the shallow waters offshore. Salinities are influenced by flooding of the Santa Clara River during winter rains as the fresh water gets trapped in the marina.

Point Dume

The Los Angeles County Lifeguards man the station at Zuma Beach County Park west of Point Dume. They take daily water temperatures in the surf every morning before the sun heats up the beach, thus giving very representative temperatures for this section of the coast.

Santa Monica

This tide gauge station is located at the end of the Santa Monica pier near the harbormaster's office. Although located behind the breakwater, there is sufficient water flow to make this very representative of the near shore waters.

Balboa

The lifeguards take daily temperature and salinity samples from their office located on the Newport Beach Pier. Since these samples are taken in deeper water, and not from the surf, they are very representative of coastal conditions. The salinity is affected during winter storms by run-off from the Santa Ana River mouth located only a mile or so up the beach from the pier.

San Clemente

Personnel of the City of San Clemente, Department of Marine Safety take daily temperature and salinity samples off the pier. This station was started to take over the temperature monitoring on this section of coast from the old Dana Point, or Doheny Beach Station. The new yacht harbor at Dana Point removed the Dana Point station, but the San Clemente Pier site is so similar that the long record for this area is still preserved.

La Jolla

Daily temperature and salinity measurements are made at the end of the Scripps Institution of Oceanography pier. Two levels of measurement are made: surface and 5 meter or bottom. Located at the end of the Scripps Canyon, the temperatures at the end of Scripps Pier fluctuate considerably due to the effect of upwelling cold water surging up and out of the canyon.

Many stations have disappeared in the last 10 years. The automation of Coast Guard lighthouses, and elimination of the Blunts Reef lightship off Cape Mendocino has left serious gaps in our coastal coverage. New state parks and new marine laboratories may be able to extend some of our coverage in the future. The participants are all volunteers, people seriously interested in the sea at their doorstep, and it is to these people we owe the success of this long range program.

SURFACE-TEMPERATURE STATIONS
IN GEOGRAPHICAL ORDER

Station Name	Position	Location	Page
Washington			
Neah Bay	48°22.0'N, 124°37.0'W	NOAA/NOS Tide Gauge Station Strait of Juan de Fuca	15
Oregon			
Columbia River Lightship	46°11.2'N, 124°11.0'W	Offshore from mouth of Columbia River	16
Charleston	43°21.0'N, 124°19.0'W	From surface of bay	17
California			
Crescent City	41°44.8'N, 124°11.0'W	NOAA/NOS Tide Gauge Station Crescent City	18
Trinidad Beach	41°03.6'N, 124°08.9'W	Trinidad Beach	19
Trinidad Bay	41°03.3'N, 124°08.8'W	Trinidad Bay Fishing pier, southeast side of headland	21
Shelter Cove	40°01.4'N, 124°03.9'W	Mendocino County	23
Albion	39°13.6'N, 123°46.1'W	Beach near mouth of Albion River	24
Point Arena	38°54.7'N, 123°42.1'W	Old Coast Guard lifeboat Station pier	25
Salt Point State Park	38°34.0'N, 123°19.7'W	Beach at Gerstle Cove	26
Bodega Bay	38°19.0'N, 123°04.3'W	Intake pipe at north headland of Horseshoe Cove	27
Farallon Island, S. E.	37°41.8'N, 122°59.9'W	SE Farallon Island at the boat landing on S. E. side of the island	29
Pacific Grove	36°37.3'N, 121°54.2'W	Beach on north side of Point Cabrillo, Hopkins Marine Station	31

Station Name	Position	Location	Page
California (cont.)			
Point Lobos: north side	36°31.2'N, 121°56.3'W	Beach in Whalers Cove in Carmel Bay	32
Point Lobos: south side	36°30.8'N, 121°56.7'W	Sand Hill Cove in deep surge channel	33
Granite Canyon	36°25.9'N, 121°55.0'W	Off rocks near water intake for laboratory	34
Morro Bay	35°22.2'N, 120°51.6'W	Thermograph record of intake water at Pacific Gas and Electric Plant	35
Port San Luis	35°10.3'N, 120°45.2'W	NOAA/NOS Tide Gauge Station Port San Luis	36
Santa Barbara	34°24.2'N, 119°41.6'W	Intersection of breakwater and beach	37
Ventura Marina	34°14.7'N, 119°15.8'W	Dock at entrance to Ventura County Small Boat Harbor	38
Point Dume: west of	34°01.1'N, 118°49.5'W	Beach at Zuma Beach County Park	40
Santa Monica	34°00.0'N, 118°30.0'W	NOAA/NOS Tide Gauge Station Santa Monica	41
Balboa	33°36.0'N, 117°54.0'W	Lifeguard office on Newport Beach Pier	42
San Clemente	33°25.0'N, 117°37.0'W	San Clemente City Pier	44
La Jolla:Scripps Pier, surface	32°52.0'N, 117°15.3'W	Outer end of pier at Scripps Institution of Oceanography La Jolla	46
La Jolla:Scripps Pier, bottom	32°52.0'N, 117°15.3'W	Outer end of pier at Scripps Institution of Oceanography La Jolla	48

ALPHABETICAL LIST OF
SURFACE-TEMPERATURE STATIONS

Station Name	Type of Data Collected		Agency	Page
Albion	T[1/]	d[2/]	MBFS	24
Balboa	TS[3/]	d	NPB	42
Bodega Bay	TS	d	UCML	27
Charleston	T	d	OSU	17
Columbia River Lightship	T	d	USCG	16
Crescent City	T	d	NOAA/NOS	18
Farallon Island, S. E.	TS	d	USCG & PRBO	29
Granite Canyon	T	d	CFG	34
La Jolla: Scripps Pier, surface	TS	d	SIO	46
La Jolla: Scripps Pier, bottom	TS	d	SIO	48
Morro Bay	T	d	PG and E	35
Neah Bay	T	d	NOAA/NOS	15
Pacific Grove	T	d	HMS	31
Point Arena	T	d		25
Point Dume: west of	T	d	LAC	40
Point Lobos: north side	T	d	CSP	32
Point Lobos: south side	T	d	CSP	33
Port San Luis	T	d	NOAA/NOS	36
Salt Point	T	d	CSP	26
San Clemente	TS	d	SC	44
Santa Barbara	T	d	SB	37

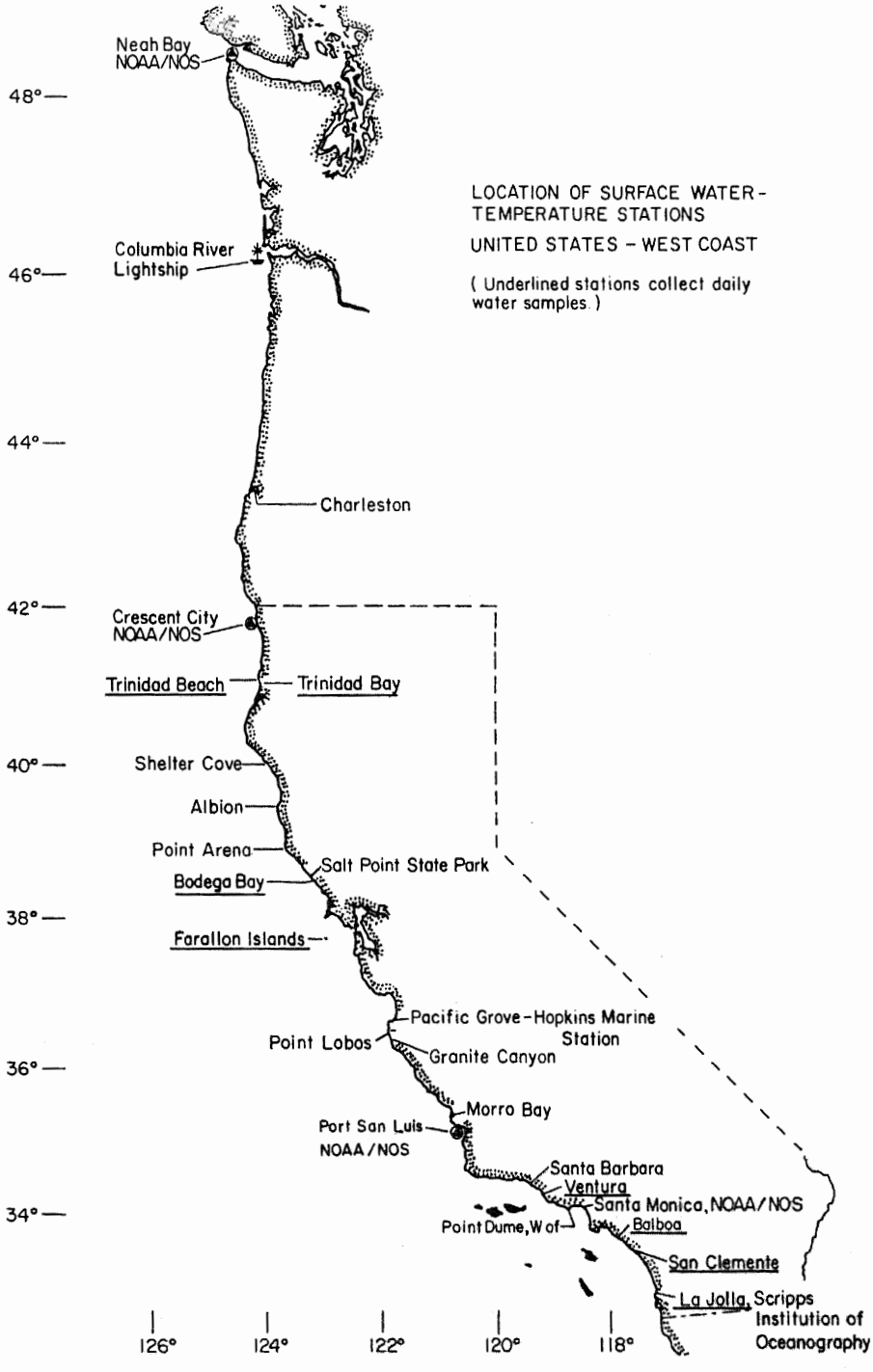
Station Name	Type of Data Collected		Agency	Page
Santa Monica	T	d	NOAA/NOS	41
Shelter Cove	T	d		23
Trinidad Bay	TS	d	CSU	21
Trinidad Beach	TS	d	CSU	19
Ventura Marina	TS	d	V	38

CFG:	California Department of Fish and Game, Marine Culture Lab.
CSP:	California State Park System
CSU:	Humboldt State University
HMS:	Hopkins Marine Station, Pacific Grove, California
LAC:	Los Angeles County
MBFS:	Mendocino Biological Field Station
NOAA/NOS:	National Oceanic and Atmospheric Admn./National Ocean Survey
NB:	City of Newport Beach, California
OSU:	Oregon State University, Corvallis, Oregon
PG and E:	Pacific Gas and Electric Company
PRBO:	Point Reyes Bird Observatory
SB:	City of Santa Barbara, California
SC:	City of San Clemente, California
SIO:	University of California, Scripps Institution of Oceanography, La Jolla, California
UCML:	University of California Marine Laboratory, Bodega Bay
USCG:	United States Coast Guard
V:	City of Ventura, California

1/ T: Surface temperatures

2/ d: Values taken daily

3/ S: Surface salinities


LOCATION OF SURFACE WATER-TEMPERATURE STATIONS
UNITED STATES - WEST COAST
(Underlined stations collect daily water samples.)
Neah Bay NOAA/NOS
Columbia River Lightship
Charleston
Crescent City NOAA/NOS
Trinidad Beach
Trinidad Bay
Shelter Cove
Albion
Point Arena
Salt Point State Park
Bodega Bay
Farallon Islands
Pacific Grove-Hopkins Marine Station
Point Lobos
Granite Canyon
Morro Bay
Port San Luis NOAA/NOS
Santa Barbara
Ventura
Santa Monica, NOAA/NOS
Point Dume, W of
Balboa
San Clemente
La Jolla, Scripps Institution of Oceanography
48°
46°
44°
42°
40°
38°
36°
34°
126°
124°
122°
120°
118°

NEAH BAY TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	5.0	7.5	8.6	10.0	10.0	13.6	11.7	13.3	13.9	15.0	9.2	7.8			
2	5.6	7.2	8.3	9.7	11.1	11.9	12.2	12.2	13.6	14.7	8.6	8.1			
3	5.6	7.8	8.1	9.4		10.0		12.2	13.9		8.6	8.1			
4	6.1	8.6	8.1		10.3	11.7	12.2	11.7	14.2	13.1	8.3	7.8			
5	7.2	8.6	8.1	9.4	10.0	13.1	11.9	11.7		13.1	8.6	7.5			
6	6.9	8.9	8.3	9.4	10.0		11.1	10.8	14.4	11.9	8.6	7.2			
7	7.5	8.9	8.3	10.0	9.7	11.7	11.9	12.5	13.9	10.0		7.2			
8	7.8	8.9	8.9	11.1	10.0	12.8	11.7	12.8	13.3	11.1	8.6	6.9			
9	7.8	8.9	8.9	10.3	10.6	11.1	11.4	10.0	13.3	12.5	8.3	7.2			
10	7.2	8.6	9.2	10.6	9.4	11.4	10.6	10.3	13.3		7.8	7.8			
11		8.6	9.2		9.7	11.9		10.6	13.9	12.2	7.5	7.8			
12	8.3	8.3	9.2	9.4	10.0	11.9	12.2	10.8		11.9	7.5	7.8			
13	8.1	8.1	8.9	9.7	10.0	11.9	9.7	11.4	15.0	11.7	7.8	7.2			
14	8.1	8.1	8.9	10.0	10.0	13.1	10.8	11.7	15.3	11.4		7.2			
15	8.1	8.1	8.9	9.7	10.0	14.2	11.1		14.7	10.3	7.2	7.2			
16	8.3	8.3	8.6	9.4		14.4	11.4	11.4	14.7	9.2	6.9	7.2			
17	8.3	8.3	8.9	9.4	11.1	15.0	11.9	10.8	13.9		7.8	7.8			
18	8.6	8.1	8.9		12.2	15.0		10.8	12.2	10.3	8.6	6.7			
19	8.6	8.6	8.9	9.4	13.1	13.3	12.2	10.0		9.7	6.9	7.2			
20	8.6	8.9	9.2	9.4	11.9		13.3	11.1	11.4	9.7	5.8	7.2			
21	8.9		9.4	9.7	10.8	12.5	12.8	10.0	11.7	9.4	5.6	7.5			
22	8.9	9.2	9.4	10.0	10.6	11.9	11.9		11.9	10.0	6.4	7.5			
23	8.6	8.9	9.4	10.6		12.2	10.0	10.6	11.9	10.0					
24	7.8	8.9	8.9	10.6	11.1	11.4		10.0	12.5			7.5			
25	8.9	8.3	9.2		10.6	11.7	11.9	11.9	12.8	10.3	7.2	7.2			
26	8.9	8.6	9.4	10.3	10.6	11.7	9.7	12.8		10.3	7.8	7.2			
27	8.6	8.6	9.4	10.0	10.3		10.3	13.3	13.6	10.0	7.5	7.8			
28	8.3	8.6		10.3	10.6	13.3	10.0	13.3	14.2	9.7	7.5	7.5			
29	7.8		9.7	10.3	10.8	10.8	10.8		14.4	9.2	7.5	7.8			
30	7.8		9.7	10.6		11.1	11.1	13.9	15.3	9.2	7.8				
31	7.8		9.7		12.2		12.5	14.2		8.9		3.6			
1-10 MEANS	6.67	8.39	8.48	9.99	10.12	11.92	11.63	11.75	13.76	12.68	8.51	7.56			
SAMPLE SIZE	10	10	10	9	9	9	9	10	9	8	9	10			
11-20 MEANS	8.33	8.34	8.96	9.55	10.89	13.41	11.58	10.96	13.89	10.71	7.33	7.33			
SAMPLE SIZE	9	10	10	8	9	9	8	9	8	9	9	10			
21-31 MEANS	8.39	8.73	9.42	10.27	10.84	11.84	11.10	12.22	13.14	9.70	7.16	7.07			
SAMPLE SIZE	11	7	10	9	9	9	10	9	9	10	8	9			
MONTHLY MEANS	7.80	8.46	8.95	9.95	10.62	12.39	11.42	11.65	13.58	10.92	7.69	7.33	10.06		
SAMPLE SIZE	30	27	30	26	27	27	27	28	26	27	26	29			
MAXIMUM VALUE	8.9	9.2	9.7	11.1	13.1	15.0	13.3	14.2	15.3	15.0	9.2	8.1		15.3	
MINIMUM VALUE	5.0	7.2	8.1	9.4	9.4	10.0	9.7	10.0	11.4	8.9	5.6	3.6			3.6
RANGE	3.9	2.0	1.6	1.7	3.7	5.0	3.6	4.2	3.9	6.1	3.6	4.5			
STANDARD DEV.	1.04	.47	.48	.50	.88	1.27	.95	1.25	1.11	1.66	.88	.80			

COLUMBIA RIVER TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1										15.0	12.0	10.0			
2										14.5	12.0	10.0			
3										15.0	12.0	10.0			
4										14.5	12.0	10.0			
5										14.5	12.0	10.0			
6										14.5	12.5	10.0			
7										15.0	12.5	10.0			
8										15.0		10.0			
9												10.0			
10										15.0		10.0			
11										15.0		10.0			
12										14.5		10.0			
13										14.5	12.0	10.0			
14										14.0	11.5	10.0			
15									16.0	14.0	12.0	10.0			
16									14.5	14.0	11.0	10.0			
17									14.0	14.5	11.0	10.0			
18									14.5	14.0	11.0	10.0			
19									15.0	14.0	11.0	10.0			
20									14.5	14.0	10.0	10.0			
21									14.0	14.0	10.5	10.0			
22									15.0	14.0	10.0	10.0			
23									15.0	14.0	10.0	10.0			
24									14.5	14.0	10.0	10.0			
25									14.5	14.0	10.0	10.0			
26									15.0	14.0	10.0	10.0			
27									15.0	13.0	10.0	10.0			
28									15.0	13.0	10.0	10.0			
29									14.5	13.0	10.0	10.0			
30									14.5	12.0	10.0	10.0			
31										12.0		9.0			
1-10 MEANS										14.78	12.14	10.00			
SAMPLE SIZE										9	7	10			
11-20 MEANS									14.75	14.25	11.19	10.00			
SAMPLE SIZE									6	10	8	10			
21-31 MEANS									14.70	13.36	10.05	9.91			
SAMPLE SIZE									10	11	10	11			
MONTHLY MEANS									14.72	14.08	11.00	9.97			
SAMPLE SIZE									16	30	25	31			
MAXIMUM VALUE									16.0	15.0	12.5	10.0			
MINIMUM VALUE									14.0	12.0	10.0	9.0			
RANGE									2.0	3.0	2.5	1.0			
STANDARD DEV.									.48	.80	.96	.18			

CHARLESTON TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		11.2	11.0		11.3	10.3		10.3	13.9		10.0	10.1			
2					10.7	11.1		11.3		14.4					
3		11.5		11.0	11.3		15.0	11.6		13.5	11.3				
4	10.5			10.9	10.1			11.8		12.7		9.9			
5	10.8			11.2	10.8	12.3	13.3	11.9	14.7	11.0		9.6			
6	10.9		11.5	11.4		12.8	14.6		14.3	10.9	10.6	8.9			
7		11.5	11.5	11.6		14.1	12.8		12.6		10.5	8.2			
8		11.3	11.8		11.8	13.4		11.9	15.1		10.1	8.6			
9	11.3	11.7	11.8		10.3	12.8				12.9	10.1				
10	11.3		11.7	12.1	10.1		12.0	10.9		13.6					
11	11.1			11.8	11.2		12.9	11.3	14.4	12.3		9.3			
12	11.2			11.0	10.5	14.3			14.9	11.7		8.7			
13	11.4	11.3	11.5	9.8			11.4		14.6	10.3	8.1	9.2			
14		11.0	11.3	9.9		14.4	10.8	12.2			7.6	9.0			
15		10.9	11.3		10.8	14.4		11.5	14.8		7.7	9.0			
16	11.4	10.9	11.4			15.3		13.4		11.5	9.5				
17		10.9	11.1	10.2	11.9		13.2			12.0	9.9				
18	11.5			10.3	12.1		11.9	12.5	13.1	11.2		8.6			
19	11.7			10.6	10.6	13.0	11.7		14.2			8.5			
20	11.7		11.8	10.9		11.1	10.2		13.5	12.4	9.6	8.3			
21		11.3	11.6	10.8		10.8	10.4		14.1		9.2	8.4			
22		11.5	11.8		10.2	11.6			14.1		8.8	8.5			
23	11.7	11.6	11.8		10.2	11.9				11.6					
24	11.6	11.7	12.0	11.4	10.4		11.7			10.6	8.9				
25	11.7			11.3	10.8		11.3		14.2	10.2					
26	11.6			11.5	11.6	16.1	9.4		13.9	10.3		8.2			
27	11.6	11.5	12.4	12.0			10.2		14.5	10.5	8.8	8.2			
28		11.4	12.4	12.3		10.6	10.8		14.8		9.4	8.2			
29			11.9			12.3			15.2		9.8	7.7			
30	11.7		12.4		10.8	13.5		14.5		10.5	9.9				
31	11.7		11.7		9.4		13.3	14.0		10.3					
1-10 MEANS	10.96	11.44	11.55	11.37	10.80	12.40	13.54	11.39	14.12	12.71	10.43	9.22			
SAMPLE SIZE	5	5	6	6	8	7	5	7	5	7	6	6			
11-20 MEANS	11.43	11.00	11.40	10.56	11.18	13.75	11.73	12.18	14.21	11.63	8.73	8.82			
SAMPLE SIZE	7	5	6	8	6	6	7	5	7	7	6	8			
21-31 MEANS	11.66	11.50	12.00	11.55	10.49	12.40	11.01	14.25	14.40	10.57	9.26	8.20			
SAMPLE SIZE	7	6	9	6	7	7	7	2	7	7	7	6			
MONTHLY MEANS	11.39	11.32	11.70	11.10	10.83	12.80	11.94	12.08	14.26	11.64	9.46	8.76	11.44		
SAMPLE SIZE	19	16	21	20	21	20	19	14	19	21	19	20			
MAXIMUM VALUE	11.7	11.7	12.4	12.3	12.1	16.1	15.0	14.5	15.2	14.4	11.3	10.1		16.1	
MINIMUM VALUE	10.5	10.9	11.0	9.8	9.4	10.3	9.4	10.3	12.6	10.2	7.6	7.7			7.6
RANGE	1.2	.8	1.4	2.5	2.7	5.8	5.6	4.2	2.6	4.2	3.7	2.4			
STANDARD DEV.	.35	.28	.39	.70	.69	1.63	1.52	1.18	.67	1.25	.97	.62			

CRESCENT CITY TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	10.5	11.6	13.3	11.9	12.5	10.6	14.4	15.0	16.7		10.6	10.6			
2		11.6	12.8		12.5	12.8		14.4	18.6	13.9	11.4	10.6			
3	10.8	12.7	13.3	11.9		13.9		14.4		15.0	11.4				
4	10.8	12.2	12.8	12.2	12.2		13.6	15.0	15.6	13.9	11.9	10.0			
5	11.1			12.2	11.1	15.6	14.2	15.0	15.0	13.9		9.7			
6	12.2	12.2	13.1	11.4	10.0	15.3	14.4		16.1	14.2	12.5	9.4			
7	11.1	11.3				13.6	14.7	17.8	16.1	15.0	12.2	8.9			
8		11.1	12.8	12.8	11.4		16.1	18.1	15.6		11.7	8.9			
9	12.7	11.3	12.8		11.7	14.2		15.6		15.0		8.3			
10	12.5		12.5	13.3		14.7	14.4	15.0	15.6	14.7	10.0				
11		11.6	12.8	12.8	11.7		13.3	16.9	16.1	14.4	10.0	9.4			
12	11.9			12.2	13.9	13.3		16.1		14.2		9.4			
13	11.9	11.6	11.7	12.2	13.9	15.8	15.8		15.3	14.4	8.3	10.0			
14	11.6	11.6	11.7			12.2	16.1	15.0		14.7	8.9	8.9			
15		11.6	11.9	11.4			16.1	12.2	14.4		8.3	8.9			
16	11.9	11.6	13.9		11.9	12.5		13.3		15.0	8.9	8.6			
17	12.5	10.8	14.4	11.1	12.8	12.5	11.9	12.5		14.4	9.4				
18	12.2	12.8	15.3	11.1	12.8		11.1	12.8	12.5	13.3	9.4	8.3			
19	11.7			11.9	15.6	13.1	11.7	12.2	12.5	13.3		8.1			
20		12.2			17.2	14.7			12.8	13.6	9.4	8.1			
21	12.2	12.2	13.9	12.5		13.3	14.7	13.9	13.9	14.2	10.0	9.2			
22		12.2	13.9	12.2	11.1	12.8	15.6	15.3	15.0		10.0				
23	12.2	12.2	13.9		13.6	13.6		15.0	14.4	13.9		9.2			
24	11.9		13.3	12.2	10.3	14.4	15.6				10.0				
25		11.9	15.0	15.6	11.9		15.8	18.3	14.4	12.8	10.3				
26	11.3			15.0	12.2	12.8	16.7	15.0		12.8		8.9			
27	11.9	13.3	13.3	13.6		12.2	16.1		14.7	12.8	10.0	8.6			
28	12.2	13.3	12.8			13.3	15.3	15.6	14.7	13.1	10.0	8.6			
29			13.1	14.4	11.7	14.2	15.6	16.1	15.8		10.6	8.3			
30	12.2		13.1		11.7	16.1		17.2	14.2	12.2		8.3			
31	11.6		13.1		11.7		15.8	16.7		11.9					
1-10 MEANS	11.46	11.75	12.93	12.24	11.63	13.84	14.54	15.59	16.16	14.45	11.46	9.55			
SAMPLE SIZE	8	8	8	7	7	8	7	9	8	8	8	8			
11-20 MEANS	11.96	11.73	13.10	11.81	13.73	13.44	13.71	13.88	13.93	14.14	9.08	8.86			
SAMPLE SIZE	7	8	7	7	8	7	7	8	6	9	8	9			
21-31 MEANS	11.94	12.52	13.54	13.64	11.77	13.63	15.69	15.90	14.64	12.96	10.13	8.73			
SAMPLE SIZE	8	6	10	7	8	9	9	9	8	8	7	7			
MONTHLY MEANS	11.78	11.95	13.22	12.57	12.41	13.65	14.74	15.17	15.00	13.86	10.23	9.05	12.80		
SAMPLE SIZE	23	22	25	21	23	24	23	26	22	25	23	24			
MAXIMUM VALUE	12.7	13.3	15.3	15.6	17.2	16.1	16.7	18.3	18.6	15.0	12.5	10.5		18.6	
MINIMUM VALUE	10.5	10.8	11.7	11.1	10.0	10.6	11.1	12.2	12.5	11.9	8.3	8.1			8.1
RANGE	2.2	2.5	3.6	4.5	7.2	5.5	5.6	6.1	6.1	3.1	4.2	2.5			
STANDARD DEV.	.60	.66	.88	1.21	1.61	1.31	1.53	1.72	1.41	.89	1.18	.73			

TRINIDAD BEACH TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		11.8	12.2	13.2				10.5	13.2		10.2	10.0			
2	12.0		12.3	12.8	12.6					11.5	10.0	9.9			
3	12.4	11.7	14.0	12.1	12.5	11.5	12.0			11.2	10.0	10.0			
4	12.1	12.3	12.0	12.8	9.8	11.1				11.0	10.7	10.0			
5	12.0	11.5	13.0	12.8	8.8	13.0	14.0			11.1	10.4	9.2			
6		12.0	12.7	13.2	11.5		10.5			11.5	10.2	9.0			
7	13.0		12.8	12.7	11.5	11.0	10.1	11.5		12.0	10.4	8.4			
8	13.5	11.4	17.8	13.3	9.8			13.0		12.0	10.1	8.2			
9	13.0	11.3	13.5	13.2	8.5	12.7		11.0		11.7	9.9	8.8			
10	12.8	11.5	12.5	13.1	9.8	12.5	9.1	11.0		11.8	9.2	9.1			
11	12.6	11.3	12.5	12.2	10.0	12.5	9.4	10.5		11.2	9.1				
12	12.5	11.0	12.0	11.8	10.5		10.0			10.6	8.5	8.6			
13		11.4	11.9	11.8	13.1	12.0	11.0			11.2	8.5	8.1			
14	12.8	11.1	12.5	10.4	11.5		12.0	10.5		11.9	8.8				
15	12.5	10.7	12.3	12.1	11.0	11.8		10.2		12.2	8.2	8.7			
16			12.3	13.0	11.2	11.0		9.5		12.2	8.4	8.6			
17	12.2	11.1	13.5	11.6	11.2	12.3	13.5	10.5		11.2	8.5				
18	12.3	12.0	13.0	12.8	11.3	11.1	9.0		9.6	10.8	8.6	8.7			
19	12.2	11.9	14.6	11.7	11.0	11.7	9.2		9.8	11.1	9.2				
20	12.3			11.8	12.0	10.0	9.5		9.8	11.2	9.5	7.8			
21	12.5		12.0	11.7	10.7	11.0		9.7	10.0	11.9	10.0				
22	11.9	11.9		12.5	11.2			11.0	10.9	11.8	9.6				
23	11.4	12.1		14.2	9.9	10.8		12.0		11.2	9.2				
24	11.7	13.1		12.6	9.9	12.0	11.0	13.0		11.0					
25	11.8	13.0	14.2	13.2	9.1	13.0	12.0		11.4	11.0	9.7				
26	10.8	12.8	14.2	13.0	10.1	10.3	11.5		10.0	11.1	9.2				
27		11.0	13.2	13.2		11.0	12.0		12.1	11.2	9.8				
28	11.7	11.1	12.9	12.6		10.4	11.5		11.1	11.3	9.8				
29	12.9		12.5	15.0	9.9	11.0			11.3	11.6	9.9	8.0			
30	11.8		12.5			11.0				10.9	10.0				
31			12.8		10.0		11.0			10.3					
1-10 MEANS	12.60	11.69	13.28	12.92	10.53	11.97	11.14	11.40	13.20	11.53	10.11	9.26			
SAMPLE SIZE	8	8	10	10	9	6	5	5	1	9	10	10			
11-20 MEANS	12.43	11.31	12.73	11.92	11.28	11.55	10.45	10.24	9.73	11.36	8.73	8.42			
SAMPLE SIZE	8	8	9	10	10	8	8	5	3	10	10	6			
21-31 MEANS	11.83	12.14	13.04	13.11	10.10	11.17	11.50	11.42	10.97	11.21	9.69	8.00			
SAMPLE SIZE	9	7	8	9	8	9	6	4	7	11	9	1			
MONTHLY MEANS	12.27	11.70	13.03	12.63	10.68	11.51	10.96	10.99	10.84	11.36	9.50	8.89	11.20		
SAMPLE SIZE	25	23	27	29	27	23	19	14	11	30	29	17			
MAXIMUM VALUE	13.5	13.1	17.8	15.0	13.1	13.0	14.0	13.0	13.2	12.2	10.7	10.0		17.8	
MINIMUM VALUE	10.8	10.7	11.9	10.4	8.5	10.0	9.0	9.5	9.6	10.3	8.2	7.8			7.8
RANGE	2.7	2.4	5.9	4.6	4.6	3.0	5.0	3.5	3.6	1.9	2.5	2.2			
STANDARD DEV.	.58	.65	1.20	.87	1.15	.86	1.44	1.07	1.13	.47	.70	.73			

TRINIDAD BEACH SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		31.34	32.10	32.25				33.77	33.56		33.58	33.08			
2	30.60		30.14	31.89	33.18					33.49	33.59	33.19			
3	30.14		31.57	31.80	33.25	33.58	33.46			33.44	33.64	33.34			
4	30.45	30.44	31.46	31.28		33.60				33.46	33.52	33.21			
5	29.64	30.71	31.18	29.62	33.72	33.62	33.45			33.32	33.41	33.09			
6		31.06	31.13	31.19	33.08		33.56			33.25	33.52	33.16			
7	27.91		29.56	31.24	33.49	33.70	33.54	33.71		33.23	33.53	33.42			
8	29.65	28.02	30.30	32.04	33.79			33.69		33.33	33.51	33.53			
9	29.25	29.57	29.01	31.86	33.43	33.51		33.73		33.38	33.54	33.56			
10	29.24	31.62	30.09	32.68	33.42	33.57	33.66	33.74		33.35	33.66	33.58			
11	28.94	29.30	31.63	32.62	33.46	33.61		33.74		33.45	33.74				
12	28.98	29.62	32.11	32.99	33.40		33.71			33.46	33.75	33.37			
13		29.70	32.36	31.94	33.06	33.71	33.72			33.45	33.80	33.70			
14	30.22	30.14	32.67		32.99		33.70	33.75		33.41	33.80				
15	28.98	30.30	32.11	33.32	32.64			33.78		33.51	33.80	33.40			
16			32.08		32.73	33.59		33.79		33.38	33.67	33.53			
17	26.00	30.17	31.50	32.34	33.06	33.62	33.78	33.79		33.53	33.86				
18	25.50	29.62	32.35	31.67	33.50	33.74	33.88		33.60	33.43	33.77	33.36			
19	26.26	29.96	31.84	31.11	33.33	33.55	33.75		33.60	33.38	33.47				
20	27.34			31.30	33.36	33.54	33.79		33.63	33.39	33.46	33.44			
21	27.97		32.04	31.54	32.76	33.60		33.97	33.60	33.36	33.45				
22	27.43	30.80		31.05	33.70			33.74	33.54	33.42	33.36				
23	29.93			31.04	33.51	33.66		33.77		33.49	33.58				
24	30.87	30.48		30.83	33.40	33.39	33.71	33.69		33.46					
25	30.51	30.94	31.19	31.28	33.54	34.03	33.66		33.62	33.46	33.49				
26	30.23	30.43	31.62	31.36	33.33	33.62	33.65		33.67	33.41	33.47				
27		31.07	31.56	30.97		33.55	33.68		33.82	33.41	33.45				
28	31.25	30.02	32.10	32.28			33.76		33.47	33.33	33.64				
29	30.86		32.44	32.31	33.60	33.46			33.52	33.35	33.30	33.47			
30	30.72		32.16	32.12		33.49				33.44	33.09				
31			32.32		33.68		33.77			33.66					
1-10 MEANS	29.61	30.39	30.65	31.58	33.42	33.60	33.53	33.73	33.56	33.36	33.55	33.32			
SAMPLE SIZE	8	7	10	10	8	6	5	5	1	9	10	10			
11-20 MEANS	27.78	29.85	32.07	32.16	33.15	33.62	33.76	33.77	33.61	33.44	33.71	33.47			
SAMPLE SIZE	8	8	9	8	10	7	7	5	3	10	10	6			
21-31 MEANS	29.97	30.62	31.93	31.48	33.44	33.60	33.71	33.79	33.61	33.44	33.43	33.47			
SAMPLE SIZE	9	6	8	10	8	8	6	4	7	11	9	1			
MONTHLY MEANS	29.15	30.25	31.50	31.71	33.32	33.61	33.68	33.76	33.60	33.41	33.57	33.38	32.58		
SAMPLE SIZE	25	21	27	28	26	21	18	14	11	30	29	17			
MAXIMUM VALUE	31.25	31.62	32.67	33.32	33.79	34.03	33.88	33.97	33.82	33.66	33.86	33.70		34.03	
MINIMUM VALUE	25.50	28.02	29.01	29.62	32.64	33.39	33.45	33.69	33.47	33.23	33.09	33.08			25.50
RANGE	5.75	3.60	3.66	3.70	1.15	.64	.43	.28	.35	.43	.77	.62			
STANDARD DEV.	1.63	.81	.93	.77	.31	.13	.11	.07	.09	.08	.17	.18			

TRINIDAD BAY TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		11.8	11.9	13.5				11.0	12.6		10.0	10.0			
2	11.5		12.1	12.2	10.					11.9	10.0	10.0			
3	12.0	11.8	12.9	12.2	9.	9.9	11.0			11.8	10.0	9.9			
4	11.9	13.2	12.0	12.2	8.[illegible]	9.8				11.8	11.0	9.9			
5	11.9	11.5	12.5	13.1	7.[illegible]	10.0	10.5			11.8	10.0	9.2			
6		11.6	12.3	13.0	8.7		10.5			11.9	10.2	8.9			
7	12.5		12.8	12.4	9.1	9.4	10.1	12.0		12.1	10.2	8.3			
8	13.5	11.3	13.0	11.8	9.5			12.5		12.8	9.8	8.0			
9	12.7	11.7	12.9	12.8	8.2	10.8		13.5		11.9	9.8	8.3			
10	12.0	11.8	12.0	12.9	7.8	11.0	9.1	13.0		12.0	9.0	8.9			
11	12.2	11.3	12.0	11.9	8.5	10.2	9.5	12.5		12.0	8.6				
12	12.1	10.8	11.3	11.7	9.5		10.0			11.4	8.2	8.1			
13		10.9	11.2	11.6	12.0	11.5	10.4			12.5	8.2	8.1			
14	12.5	11.0	11.6	10.9	12.1		11.0	9.6		12.1	8.3				
15	12.2	10.9	11.7	11.2	10.9	9.2		10.0		13.1	8.2	8.2			
16	12.0		11.6	12.1	10.3	8.7		10.0		13.4	8.4	8.3			
17	12.0	11.0	12.5	11.6	9.8	9.2	14.0	9.5		11.4	8.5				
18	11.8	12.2	13.9	11.7	10.8	10.4	9.5		9.2	11.3	8.2	8.0			
19	12.0	11.9	14.6	11.7	10.[illegible]	10.0	9.2		8.9	11.4	9.0				
20	12.2			11.7	12.5	9.8	9.5		9.0	11.8	9.3	7.8			
21	12.5		12.0	11.8	10.5	9.0		11.0	10.1	11.9	9.4				
22	11.4	11.9		13.0	9.2			12.0	10.1	11.8	9.4				
23	11.8	13.2		13.2	8.0	10.0		13.0		11.9	9.1				
24	11.4	12.5		13.4	9.0	11.0	11.2	14.0		11.4					
25	10.6	12.3	14.2	13.6	9.0	11.2	12.6		11.9	11.3	9.6				
26	10.9	12.0	13.3	13.3	10.2	11.0	13.5		11.8	11.4	9.2				
27		12.1	13.0	13.5		10.7	11.1		12.3	11.7	9.5				
28	11.8	11.9	12.8	12.7		9.8	11.0		11.2	11.1	9.3				
29	11.8		12.9	11.8	9.5	10.7			11.5	11.0	10.0	8.0			
30	11.8		12.9			11.1				10.5	9.9				
31			12.6		9.1		11.5			10.1					
1-10 MEANS	12.25	11.84	12.44	12.61	8.87	10.15	10.24	12.40	12.60	12.00	10.00	9.14			
SAMPLE SIZE	8	8	10	10	9	6	5	5	1	9	10	10			
11-20 MEANS	12.11	11.25	12.27	11.61	10.68	9.88	10.39	10.32	9.03	12.04	8.49	8.08			
SAMPLE SIZE	9	8	9	10	10	8	8	5	3	10	10	6			
21-31 MEANS	11.56	12.27	12.96	12.92	9.31	10.50	11.82	12.50	11.27	11.28	9.49	8.00			
SAMPLE SIZE	9	7	8	9	8	9	6	4	7	11	9	1			
MONTHLY MEANS	11.96	11.77	12.54	12.36	9.67	10.19	10.80	11.69	10.78	11.75	9.32	8.70	10.96		
SAMPLE SIZE	26	23	27	29	27	23	19	14	11	30	29	17			
MAXIMUM VALUE	13.5	13.2	14.6	13.6	12.5	11.5	14.0	14.0	12.6	13.4	11.0	10.0		14.6	
MINIMUM VALUE	10.6	10.8	11.2	10.9	7.7	8.7	9.1	9.5	8.9	10.1	8.2	7.8			7.7
RANGE	2.9	2.4	3.4	2.7	4.8	2.8	4.9	4.5	3.7	3.3	2.8	2.2			
STANDARD DEV.	.56	.66	.84	.77	1.27	.[illegible]	1.37	1.50	1.37	.67	.76	.80			

TRINIDAD BAY SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		31.02	31.63	31.63				33.75			33.54	32.70			
2	28.64		30.13	31.30	33.02					33.53	33.51	33.08			
3	29.07		31.19	31.91	32.97	33.64				33.48	33.65	33.16			
4	29.62	29.86	31.20	30.95		33.69				33.51	33.56	33.01			
5	28.90	29.24	30.62	30.84	34.88	33.84	33.57			33.46	33.49	33.16			
6		29.18	30.68	30.60	33.77		33.60			33.50	34.24	33.42			
7	26.34		26.93	30.86	33.96	33.70	33.64	33.71		33.37	33.49	33.51			
8	28.01	28.12	29.53		33.55			33.68		33.34	33.52	33.61			
9	29.22	29.86	26.54		33.83	33.60		33.69		33.40	33.57	33.55			
10	26.23	31.96	28.20	32.57	33.87	33.52	33.67	33.70		33.29	33.64	33.29			
11	28.94	29.38	30.08	32.48	33.62	33.61		33.88		33.35	33.70				
12	28.73	30.85	26.78	32.94	33.59		33.70			33.32	33.69	33.37			
13		30.25	32.40	32.58	33.12	33.43	33.76			33.49	33.75	33.41			
14	29.30	29.65	32.68		32.98		33.69	33.74		33.38	33.77				
15	28.25	29.18	32.05	33.07	32.52			33.75		33.41	33.78	33.41			
16	25.05				32.84	33.74		33.87		33.42	33.60	33.43			
17	22.61	30.17	31.00	31.46	33.28	33.72	33.78	33.80		33.42	33.65				
18	22.65	29.17	31.97	30.92	33.54	33.72	33.86		33.65	33.39	33.70	33.34			
19	23.98	29.18	31.40	30.92	33.55	33.75	33.80		33.71	33.34	33.47				
20	26.04			30.71	34.02	33.53	33.85		33.74	33.41	33.45	33.43			
21	26.80		31.91	31.59	33.60	33.75		33.74	33.61	33.35	33.28				
22	26.97	30.51		30.59	33.72			33.64	33.64	33.34	33.35				
23	28.31			30.58	33.89	33.66		33.62		33.51	33.36				
24	29.30	30.38		29.75	33.74	33.19	33.77	33.64		33.39					
25	28.80		30.59	30.26	33.89	33.54	33.69		33.63	33.40	33.49				
26	29.47		31.19	30.28	33.20	33.63	33.64		33.59	33.38	33.45				
27		30.49	31.19	30.94		33.60	33.75		33.47	33.40	33.47				
28	31.22	29.55	32.19	32.17		33.69	33.81		33.49	33.40	33.36				
29	29.96		32.18	32.78	33.90	33.62			33.39	33.41	32.48	33.49			
30	30.06		32.20	32.57		33.80				33.46	32.79				
31			32.36		33.77		33.75			33.51					
1-10 MEANS	28.25	29.89	29.67	31.33	33.73	33.67	33.62	33.71		33.43	33.62	33.25			
SAMPLE SIZE	8	7	10	8	8	6	4	5		9	10	10			
11-20 MEANS	26.17	29.73	31.04	31.89	33.31	33.64	33.78	33.81	33.70	33.39	33.66	33.40			
SAMPLE SIZE	9	8	8	8	10	7	7	5	3	10	10	6			
21-31 MEANS	28.99	30.23	31.73	31.15	33.71	33.61	33.73	33.66	33.55	33.41	33.23	33.49			
SAMPLE SIZE	9	4	8	10	8	9	6	4	7	11	9	1			
MONTHLY MEANS	27.79	29.89	30.72	31.43	33.56	33.63	33.73	33.73	33.59	33.41	33.51	33.32	32.36		
SAMPLE SIZE	26	19	26	26	26	22	17	14	10	30	29	17			
MAXIMUM VALUE	31.22	31.96	32.68	33.07	34.88	33.84	33.86	33.88	33.74	33.53	34.24	33.61		34.88	
MINIMUM VALUE	22.61	28.12	26.54	29.75	32.52	33.19	33.57	33.62	33.39	33.29	32.48	32.70			22.61
RANGE	8.61	3.84	6.14	3.32	2.36	.65	.29	.26	.35	.24	1.76	.91			
STANDARD DEV.	2.25	.87	1.77	.95	.48	.14	.08	.08	.11	.06	.31	.23			

SHELTER COVE TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	12.4				9.6	9.5	11.0	12.3	11.5	11.2	10.6	10.8			
2	12.4				8.9	10.5	10.8	12.5	12.1	11.3	10.8	10.7			
3	12.4				8.6	10.3	10.7	12.6	12.5	11.8	11.0	10.9			
4	12.3				8.0	10.1	9.5	12.4	12.0	11.6	10.6	10.5			
5	12.4				7.4	10.4	10.1	12.5	12.3	12.0	10.6	9.6			
6					7.8	10.8	10.6	12.2	12.1	11.8	10.4	9.7			
7					7.8	11.2	10.2	12.0	12.4	11.3	10.5	9.5			
8					8.1	11.3	10.4	12.3	12.9		10.6	9.6			
9					8.5	12.1	11.0	12.0			10.2	9.8			
10					8.7	9.9	10.4	12.2	12.8		9.8	9.7			
11					8.5	9.1	10.3	12.4	13.0			9.7			
12					8.9	9.3	10.9	12.3	12.3			9.6			
13					9.5	9.6	11.1	12.0	12.1			9.6			
14					9.3	9.5	10.7	12.3	10.5						
15					8.8	9.2	11.0	12.2	10.4						
16					9.0	9.0	10.5		10.7						
17					8.7	10.2	10.9	12.0	10.9						
18					9.3	10.2	10.8	10.2	10.8						
19				12.2	9.6	10.5	11.2	10.7	11.1						
20				12.0	9.8	10.7	11.0	11.3	11.4						
21				11.7	10.3	11.4	11.4	12.2	11.3	11.7					
22				11.8	9.3	11.5	11.7	12.3	11.1	11.6					
23				11.4	8.5	11.4	11.5	12.1	11.4	11.4					
24				11.7	8.8	11.0	12.1	11.8	11.7	11.7					
25				12.0	9.2	9.7	12.0	12.0	11.6	12.0					
26				12.3	9.2	10.4	12.3	12.1	11.3	11.8					
27				12.1	9.3	10.8	11.9	12.4	11.2	11.6	10.8				
28				11.8	8.9	11.1		12.0	10.4	11.4	11.1				
29				11.4	8.5	11.0	11.8	12.1	10.5	11.1	10.7				
30				10.9	8.5	10.5	12.2	11.4	10.4	11.0	10.8				
31					9.1		11.7	11.3		10.4					
1-10 MEANS	12.38				8.34	10.61	10.47	12.30	12.29	11.57	10.51	10.08			
SAMPLE SIZE	5				10	10	10	10	9	7	10	10			
11-20 MEANS				12.10	9.14	9.73	10.84	11.71	11.32			9.63			
SAMPLE SIZE				2	10	10	10	9	10			3			
21-31 MEANS				11.71	9.05	10.88	11.86	11.97	11.09	11.43	10.85				
SAMPLE SIZE				10	11	10	10	11	10	11	4				
MONTHLY MEANS	12.38			11.77	8.85	10.41	11.06	12.00	11.54	11.48	10.61	9.98			
SAMPLE SIZE	5			12	31	30	30	30	29	18	14	13			
MAXIMUM VALUE	12.4			12.3	10.3	12.1	12.3	12.6	13.0	12.0	11.1	10.9			
MINIMUM VALUE	12.3			10.9	7.4	9.0	9.5	10.2	10.4	10.4	9.8	9.5			
RANGE	.1			1.4	2.9	3.1	2.8	2.4	2.6	1.6	1.3	1.4			
STANDARD DEV.	.04			.40	.63	.80	.69	.53	.80	.40	.33	.53			

ALBION TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1				10.1	12.8	9.0	12.6	10.5		10.6					
2				10.1	9.1	11.5			11.8						
3				10.0	9.1										
4				10.0	9.0										
5				10.0											
6				10.1					12.9						
7				12.0		10.5		11.5							
8				12.0	10.6	10.5		12.0	13.7						
9				12.0	9.5										
10				12.0	9.5		12.7		15.1						
11				12.0	9.9										
12				12.0	10.0	12.3				11.1					
13				12.0					13.0						
14				12.0	10.0	11.9		11.2	12.0	11.5					
15					10.0	11.0		11.1	10.5	12.3					
16			11.7	11.0	10.0	11.0	11.4	15.0	10.5	11.9					
17			13.5	12.0	11.0				10.7	12.0					
18			12.2		9.5	10.0			11.6						
19			12.0	12.5	9.8										
20			12.0	12.5	15.0										
21			11.0	12.5	10.0										
22			11.5		10.0										
23				12.0	10.0										
24			14.0				11.2	12.3							
25			14.0	12.5		11.0	11.7	12.2							
26			13.3	12.5	10.0	10.1	11.8								
27			13.3	13.5	12.0										
28			13.7	16.0	10.0				13.1						
29				13.5	12.0										
30			12.0	12.5	14.0										
31					12.0										
1-10 MEANS				10.83	9.94	10.38	12.65	11.33	13.38	10.60					
SAMPLE SIZE				10	7	4	2	3	4	1					
11-20 MEANS			12.28	12.00	10.58	11.24	11.40	12.43	11.38	11.76					
SAMPLE SIZE			5	8	9	5	1	3	6	5					
21-31 MEANS			12.85	13.13	11.11	10.55	11.57	12.25	13.10						
SAMPLE SIZE			8	8	9	2	3	2	1						
MONTHLY MEANS			12.63	11.90	10.59	10.80	11.90	11.97	12.26	11.57					
SAMPLE SIZE			13	26	25	11	6	8	11	6					
MAXIMUM VALUE			14.0	16.0	15.0	12.3	12.7	15.0	15.1	12.3					
MINIMUM VALUE			11.0	10.0	9.0	9.0	11.2	10.5	10.5	10.6					
RANGE			3.0	6.0	6.0	3.3	1.5	4.5	4.6	1.7					
STANDARD DEV.			1.03	1.35	1.54	.93	.62	1.37	1.45	.63					

POINT ARENA TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1				11.1	9.3	10.6	11.3								
2				11.0	9.3	10.1	11.1								
3				11.5	8.9	10.8	11.1								
4				11.3	8.3	10.8	11.5								
5				11.6	8.2	10.1	11.5								
6				11.6	7.7	9.6	10.6								
7				11.3	9.2	9.2	9.8								
8				11.0	8.5	10.1	9.6								
9				11.0	9.0	9.0	9.7								
10			12.8	11.1	8.3	9.8	9.9								
11			12.1	11.5	8.6	9.8	9.8								
12			11.6	11.5	9.3	9.3	9.8								
13			11.0	11.4	9.6	10.3									
14			10.5	12.0	9.6	9.7									
15			10.7	11.2	9.8	8.8	11.0								
16			10.6	11.6	8.7	9.0	10.3								
17			11.7	12.0	9.0	9.2	9.0								
18			11.9	12.4	8.7	10.0	9.3								
19			12.8	12.8	8.8	10.4	10.3								
20			13.1	12.5	9.7	11.0	10.1								
21			13.7	12.0	9.7	10.5	10.0								
22			14.2	11.9	9.5	11.1	10.8								
23			14.0	11.3	9.4	10.8	11.9								
24			13.8	11.5	9.2	10.4	11.0								
25			12.2	12.0	8.7	10.5	11.1								
26			12.0	12.1	9.5	10.5	11.5								
27			11.5	12.2		9.1	11.8								
28			11.1	12.0		10.0	11.4								
29			10.8	10.1		11.0	10.2								
30			11.0	9.9		11.1	10.4								
31			10.7				10.1								
1-10 MEANS			12.80	11.25	8.67	10.01	10.61								
SAMPLE SIZE			1	10	10	10	10								
11-20 MEANS			11.60	11.89	9.18	9.75	9.95								
SAMPLE SIZE			10	10	10	10	8								
21-31 MEANS			12.27	11.50	9.33	10.50	10.93								
SAMPLE SIZE			11	10	6	10	11								
MONTHLY MEANS			11.99	11.55	9.02	10.09	10.55								
SAMPLE SIZE			22	30	26	30	29								
MAXIMUM VALUE			14.2	12.8	9.8	11.1	11.9								
MINIMUM VALUE			10.5	9.9	7.7	8.8	9.0								
RANGE			3.7	2.9	2.1	2.3	2.9								
STANDARD DEV.			1.19	.63	.54	.70	.79								

SALT POINT TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	12.0	13.0	14.0	12.2		11.0		12.5	11.4	12.5	11.7	10.8			
2		14.0	13.3				12.3	11.0			10.2	10.1			
3			14.0		10.5		12.2	12.0				10.2			
4	13.0	13.5	14.0		10.5	10.5	10.2	13.0	12.8	12.5		9.8			
5	13.0		14.5	14.5		10.5	11.0			12.5	11.8	9.8			
6	13.0	13.5		13.0	9.0	10.2	11.0		12.3	12.5	10.9	9.5			
7	14.2	13.0			9.2	10.1			11.5	12.2	12.3	8.1			
8	13.5		14.0		9.8	10.0	11.0	14.0			11.9	8.5			
9		14.0	13.0			10.1	12.0			11.8	10.0	8.8			
10		11.5	13.8			10.2	12.8	13.0		11.2	10.5	11.0			
11	13.5	13.0	13.8	13.5		10.3	10.0	14.0	12.2	11.9	10.1	10.8			
12	13.5	12.8	12.8			10.6	11.0			14.0	9.7	10.2			
13		13.0	13.0	14.2			11.0		11.0	13.5	10.2	10.2			
14			13.0			10.1	10.5		12.0		10.9	10.0			
15	13.9	12.8	13.0	13.5		10.1	12.0	12.0			10.1	9.2			
16	14.0	12.5	14.0			13.2	11.9	14.0		12.0	10.2	10.0			
17	14.0	13.0		13.0		10.2	12.3	11.5		12.0	10.3				
18	13.3	13.5	15.3	13.5	11.0		12.7			11.0	10.4	9.5			
19	14.5	13.2	15.0	14.5		10.3	12.0		13.0	11.5	11.5	8.7			
20	14.5	13.5	15.2	14.0	10.5	10.1	12.5	12.2		11.5	11.2	8.9			
21	14.0	14.2			10.5	10.1	12.0			11.5	11.2	9.0			
22		13.5			10.0	10.1	13.0	12.0		11.1	11.1	10.2			
23	16.5	13.0	15.5	12.0	9.8				12.3	11.5	10.9	10.5			
24	14.0	13.5	13.8							12.0		10.5			
25	13.5	13.0		13.0			12.8	13.0	12.0	11.5	10.9	10.2			
26		13.0	13.5				14.0			12.5	10.9	10.1			
27	13.0	13.0	13.0			9.8	11.0	11.0	11.2		11.9	10.0			
28	13.3	13.0	13.0		13.0	10.2	11.0				11.7	8.0			
29	13.0				13.2	10.2	11.0		12.5	12.5	11.5	8.8			
30	13.0		13.0	10.5			11.0		12.5		11.2	9.0			
31	13.0				12.0			10.0		12.0		9.2			
1-10 MEANS	13.12	13.21	13.82	13.23	9.80	10.32	11.56	12.58	12.00	12.17	11.16	9.66			
SAMPLE SIZE	6	7	8	3	5	8	8	6	4	7	8	10			
11-20 MEANS	13.90	13.03	13.90	13.74	10.75	10.61	11.59	12.74	12.05	12.17	10.46	9.72			
SAMPLE SIZE	8	9	9	7	2	8	10	5	4	8	10	9			
21-31 MEANS	13.70	13.27	13.63	11.83	11.42	10.08	11.97	11.50	12.10	11.82	11.26	9.59			
SAMPLE SIZE	9	8	6	3	6	5	8	4	5	8	9	11			
MONTHLY MEANS	13.62	13.17	13.80	13.18	10.69	10.38	11.70	12.35	12.05	12.05	10.93	9.65	11.97		
SAMPLE SIZE	23	24	23	13	13	21	26	15	13	23	27	30			
MAXIMUM VALUE	16.5	14.2	15.5	14.5	13.2	13.2	14.0	14.0	13.0	14.0	12.3	11.0		16.5	
MINIMUM VALUE	12.0	11.5	12.8	10.5	9.0	9.8	10.0	10.0	11.0	11.0	9.7	8.0			8.0
RANGE	4.5	2.7	2.7	4.0	4.2	3.4	4.0	4.0	2.0	3.0	2.6	3.0			
STANDARD DEV.	.86	.55	.83	1.12	1.31	.69	.97	1.19	.62	.72	.70	.81			

BODEGA BAY TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		12.7	13.1		9.9	10.2		10.9	10.0		10.8				
2		13.0	13.2			11.5		11.0		11.2	10.9				
3	11.9	13.0	13.2	12.5	9.0		10.4	11.8		12.0	10.9				
4	12.0			12.6	8.5			12.0		12.0		10.5			
5	12.0			12.3	8.2	10.5	10.1		13.0	12.2		10.5			
6	13.1	13.2	13.3	12.7		10.0	10.0		13.1	12.8	11.0	9.9			
7		13.4	13.5	12.4		10.0	11.0	14.0	12.9						
8			13.6		9.5	9.1		13.8	11.0		11.2	9.0			
9	13.2	13.1	13.2		10.0	9.7		13.7		12.5	11.1				
10	13.1	12.7	13.2	12.6	10.0		10.5	14.0		12.4	10.2				
11	13.2			13.0	9.0		10.8	13.7	13.3	12.3		10.0			
12	13.1			13.5	9.0	9.0			11.0	12.8		9.6			
13	13.2	12.7	11.6	13.1		9.4	10.0		11.0	13.1	10.6	9.8			
14	13.2	12.9	11.4	13.6		9.2	10.0	10.5	11.0		10.1	10.1			
15		12.8	11.4		10.2	8.8		12.5	11.3		10.4	10.0			
16	13.2	12.3	11.9		9.5	9.0		13.9		11.2	10.9				
17	13.2	12.3	13.0	13.5	8.8		9.1	11.2		10.4	10.8				
18	13.2			13.0	9.0		9.8	12.1	10.9	12.0		10.0			
19	13.3			14.2	10.5	10.0	11.8		9.8	11.8		9.9			
20	13.6		14.1	14.0		10.5	11.7		10.0	12.0	11.1	9.8			
21		13.1	13.8	13.4		10.1	11.3	11.0	10.2		11.5	9.6			
22		13.0	14.1		10.0	10.7		11.0	10.0		11.2	10.0			
23	12.4	13.0	13.9		9.0	10.1		10.9		12.0					
24	12.5	13.0		12.0	8.6		12.3	11.9		12.1					
25	12.7			12.2	8.8		12.0	12.1	11.0	12.5					
26	12.9		14.1	12.5	8.9		11.3		12.0	13.0					
27	13.1	12.6		13.0		9.9	11.0		11.5	12.8	11.0	9.0			
28		12.7	11.7			10.1	10.2	10.2	10.8		11.0	9.5			
29						11.2		10.3	11.1		11.5	9.5			
30	12.7		12.1		9.2	11.8		10.5		10.4	11.2				
31	12.7		12.4		9.6		9.9	9.6		10.2					
1-10 MEANS	12.55	13.01	13.29	12.52	9.30	10.14	10.40	12.65	12.00	12.16	10.87	9.97			
SAMPLE SIZE	6	7	8	6	7	7	5	8	5	7	7	4			
11-20 MEANS	13.24	12.60	12.23	13.49	9.43	9.41	10.46	12.32	11.04	11.95	10.65	9.90			
SAMPLE SIZE	9	5	6	8	7	7	7	6	8	8	6	8			
21-31 MEANS	12.71	12.90	13.16	12.62	9.16	10.56	11.14	10.83	10.94	11.86	11.23	9.52			
SAMPLE SIZE	7	6	7	5	7	7	7	9	7	7	6	5			
MONTHLY MEANS	12.89	12.86	12.94	12.95	9.30	10.04	10.69	11.85	11.24	11.99	10.92	9.81	11.46		
SAMPLE SIZE	22	18	21	19	21	21	19	23	20	22	19	17			
MAXIMUM VALUE	13.6	13.4	14.1	14.2	10.5	11.8	12.3	14.0	13.3	13.1	11.5	10.5		14.2	
MINIMUM VALUE	11.9	12.3	11.4	12.0	8.2	8.8	9.1	9.6	9.8	10.2	10.1	9.0			8.2
RANGE	1.7	1.1	2.7	2.2	2.3	3.0	3.2	4.4	3.5	2.9	1.4	1.5			
STANDARD DEV.	.47	.29	.92	.62	.62	.82	.87	1.40	1.09	.83	.38	.42			

BODEGA BAY SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		32.77	32.60		33.67	34.03		33.88	33.74		33.68				
2		32.74	32.49			33.89		33.89		33.61	33.77				
3	33.18	32.06	31.88	32.67	33.81			33.84		34.00	33.56				
4				32.28	33.83			33.82		33.62		33.54			
5				32.67	33.85	33.77	34.04		33.77	33.41		33.75			
6		31.44		32.36		33.88	34.04		33.53	33.25	33.64	33.66			
7		31.66		32.48		33.88	34.04	33.49	33.54						
8			31.19		33.93	33.94		33.52	33.63		33.66	33.71			
9		31.68	31.76		33.88	33.92		33.52		33.38	33.69				
10	32.82	32.06	32.14	32.60	33.90		33.94	33.58		33.38	33.61				
11	32.47			32.57	33.93		33.98	33.52	33.49	33.36		33.68			
12				32.42	33.87	34.12			33.87	33.35		33.66			
13	32.88	32.49	33.34			33.99	34.03		33.58	33.23	33.49	33.52			
14		32.92	33.39	32.64			33.88	33.74	33.60		33.53	33.54			
15		32.76	33.32		33.80	34.24		33.69	33.58		33.70	33.52			
16		32.93	33.25		33.89	34.05		33.60		33.49	33.48				
17		32.55	31.13	31.94	33.92		33.91	33.74		33.56	33.46				
18	32.39			31.63	33.90		34.00	33.67	33.58	33.49		33.56			
19				30.84	33.91	33.98	33.90		33.69	33.44		33.40			
20			28.44	30.39		34.01	33.91		33.73		33.41	33.46			
21			27.99	31.01		34.01	34.09	33.67	33.68		33.38	33.29			
22		32.56			33.88	33.95		33.66	33.68		33.29	33.26			
23	32.77		29.64			33.94		33.68		33.42					
24	32.51	32.57		32.82	33.86		33.78	33.72		33.41					
25	32.71			32.88	33.94		33.82	33.65	33.62	33.46					
26	32.72		28.60	32.75	33.95		33.82			33.36					
27	32.83	33.05		32.46		33.99	33.84		33.63	33.38	33.16	33.36			
28		32.80	33.23			33.95	33.85	33.65	33.64		33.32	33.43			
29						33.92		33.68	33.79		33.27	33.43			
30	32.59		32.99		33.95	33.89		33.71		33.55	33.31				
31	32.66		32.67		33.92		33.90	33.76		33.58					
1-10 MEANS	33.00	32.06	32.01	32.51	33.84	33.90	34.02	33.69	33.64	33.52	33.66	33.67			
SAMPLE SIZE	2	7	6	6	7	7	4	8	5	7	7	4			
11-20 MEANS	32.58	32.73	32.14	31.78	33.89	34.06	33.94	33.66	33.64	33.42	33.51	33.55			
SAMPLE SIZE	3	5	6	7	7	6	7	6	8	7	6	8			
21-31 MEANS	32.68	32.75	30.85	32.38	33.92	33.95	33.87	33.69	33.67	33.45	33.29	33.35			
SAMPLE SIZE	7	4	6	5	6	7	7	9	6	7	6	5			
MONTHLY MEANS	32.71	32.44	31.67	32.19	33.88	33.97	33.93	33.68	33.65	33.46	33.50	33.52	33.22		
SAMPLE SIZE	12	16	18	18	20	20	18	23	19	21	19	17			
MAXIMUM VALUE	33.18	33.05	33.39	32.88	33.95	34.24	34.09	33.89	33.87	34.00	33.77	33.75		34.24	
MINIMUM VALUE	32.39	31.44	27.99	30.39	33.67	33.77	33.78	33.49	33.49	33.23	33.16	33.26			27.99
RANGE	.79	1.61	5.40	2.49	.28	.47	.31	.40	.38	.77	.61	.49			
STANDARD DEV.	.21	.50	1.81	.74	.07	.10	.09	.11	.10	.16	.17	.15			

FARALLON ISLANDS TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.0	13.8	13.4	12.9	11.8	11.7	11.5	11.7	12.5	12.2	11.7	11.9			
2		14.5		13.4	10.6	12.3	13.0	11.1	12.3	12.6	12.0	11.7			
3	13.5	13.9		12.8	10.6	12.3	13.0	11.8	13.1	12.2	12.0	12.0			
4		14.0		13.2	10.8	10.8	12.2	12.0	12.9	12.4	11.8	11.6			
5				13.3	10.2	11.3	11.8	12.5	14.8	12.4	11.9	11.0			
6	14.0		14.2	13.7	10.3	11.3	11.7	12.1	14.0	12.2	12.0	10.5			
7	13.7		13.8	13.5	11.2	11.5	11.9	12.0	14.2	11.8	11.9	11.0			
8	13.7			13.3	10.8	10.6	11.0	13.4	13.2	12.2	12.8	10.5			
9		13.0	13.8	14.0	10.6	11.1	11.0	13.9		12.4		10.8			
10			13.6	13.9	12.0	10.8	11.1	12.4	14.5	12.6	11.8	10.7			
11	13.9	13.2	13.6	14.4	11.6	11.1	11.8	13.0	14.3	12.6	11.4	10.7			
12				13.8	11.0	10.8	13.0	12.6	12.8	12.7	12.0	10.9			
13			13.2	13.8	11.2	11.6	12.8	13.5	13.0	13.2	12.2	10.8			
14		13.4	13.2	14.1	12.0	10.4	12.6	13.1		13.0	11.9	10.8			
15		13.3	13.4	12.4	11.7	11.0	12.2	13.0	13.0	13.1	12.0	11.0			
16		13.2	13.4	13.0	11.0	10.8	11.4	12.6	12.8	12.2	11.8	10.8			
17			14.0	13.2	11.2	10.4	12.0	12.9		12.4	12.0				
18	14.0	13.6	13.8	14.2	11.6	10.5	12.0	13.3	12.0	13.2	11.8	10.8			
19		13.5	13.6	13.7	10.8	10.5	11.9	13.2	11.5	12.6	11.4	10.5			
20	14.1	13.4	13.7	14.5	11.3	11.1	11.4	13.1		13.0	11.8	10.8			
21	14.0	13.6	13.1	14.5	12.0	11.0	11.7	13.1	11.9	13.3	11.9	10.9			
22	13.2	13.8	14.0	14.0	12.0	11.1	10.9	14.1	12.0	13.2	11.2	10.8			
23	13.4	13.9	13.9	13.7	10.4	11.6	11.7	14.4	11.8	12.8	11.2	10.7			
24	13.1	13.7	14.3		11.2	11.7	12.5	14.1	12.1	13.5	12.1	11.2			
25	13.0		14.4	14.0	10.3	11.3	11.9	15.0	11.6	13.2	12.0	11.5			
26	13.8	13.6	14.3	14.7	11.1	11.2	13.8	13.1	12.9	13.1	11.9	10.8			
27	13.7	13.4	14.3	14.0	11.1	11.4	12.8	13.7	12.8	13.2	12.0	11.0			
28	13.8	13.6	13.5	14.1	11.2	11.1	13.0	13.2	13.5	12.8	12.0	11.2			
29	13.8		13.2	13.0	11.2	12.1	12.9	12.8	13.2	12.7	11.9	11.8			
30	13.8		13.3	12.4	11.2	12.0	11.6	12.5	13.0	11.7	12.0	11.9			
31	13.6				10.5		12.2	12.4		11.9		11.6			
1-10 MEANS	13.58	13.84	13.76	13.40	10.89	11.37	11.82	12.29	13.50	12.30	11.99	11.17			
SAMPLE SIZE	5	5	5	10	10	10	10	10	9	10	9	10			
11-20 MEANS	14.00	13.37	13.54	13.71	11.34	10.82	12.11	13.03	12.77	12.80	11.83	10.79			
SAMPLE SIZE	3	7	9	10	10	10	10	10	7	10	10	9			
21-31 MEANS	13.56	13.66	13.83	13.82	11.11	11.45	12.27	13.49	12.48	12.85	11.82	11.22			
SAMPLE SIZE	11	7	10	9	11	10	11	11	10	11	10	11			
MONTHLY MEANS	13.64	13.60	13.71	13.64	11.11	11.21	12.07	12.95	12.91	12.66	11.88	11.07	12.54		
SAMPLE SIZE	19	19	24	29	31	30	31	31	26	31	29	30			
MAXIMUM VALUE	14.1	14.5	14.4	14.7	12.0	12.3	13.8	15.0	14.8	13.5	12.8	12.0		15.0	
MINIMUM VALUE	13.0	13.0	13.1	12.4	10.2	10.4	10.9	11.1	11.5	11.7	11.2	10.5			10.2
RANGE	1.1	1.5	1.3	2.3	1.8	1.9	2.9	3.9	3.3	1.8	1.6	1.5			
STANDARD DEV.	.35	.34	.40	.61	.54	.53	.72	.84	.90	.48	.30	.45			

FARALLON ISLANDS SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.35	32.42	32.86	32.94	33.39	33.90	33.80	33.64	33.54	33.57	33.38	33.59			
2		32.92		32.55	33.51	33.68	33.70	34.10	33.51	33.54	33.37	33.41			
3	33.00	32.97		32.50	33.66	33.55	33.60	33.46	33.51	33.53	33.37	33.46			
4		32.98		32.43	33.68	33.56	33.74	33.47	33.50	33.53	33.54	33.45			
5				32.58	33.84	33.30	33.80	38.60	33.30	33.51	33.41	33.51			
6	33.14		32.55	31.63	33.86	33.35	33.81	33.44	33.35	33.42	33.38	33.51			
7	33.18		32.85	32.62	33.87	33.56	33.82	33.40	33.28	33.46	33.40	33.50			
8	33.22			32.14	34.07	33.72	33.82	33.65	33.26	33.45	33.36	33.52			
9		32.90	32.99	32.08	33.77	33.74	33.85	33.67		33.57		33.50			
10			33.04	31.93	33.22	33.77	33.83	34.02	33.29	33.37	33.45	33.46			
11	33.34	33.01	33.16	31.91	33.40	33.83	33.81	33.56	33.29	33.36	33.43	33.50			
12				32.23	33.59	33.71	33.66	33.50	33.33	33.42	33.47	33.41			
13			32.95	32.21	33.63	33.55	33.64	33.52	33.34	33.36	33.42	33.41			
14		32.81	32.80	31.89	33.44	33.64	33.52	33.57		33.38	33.42	33.41			
15		32.72	32.76	32.69	33.45	33.84	33.64	33.49	33.35	33.31	33.41	33.45			
16		32.94	32.94	32.68	33.63	33.86	33.76	33.50	33.33	33.29	33.39	33.48			
17			32.66	32.64	33.27	33.83	33.78	33.51		33.37	33.42				
18	33.17	32.87	32.83	32.11	33.51	33.78	33.76	33.55	34.07	33.25	33.44	33.62			
19		32.83	33.00	32.12	33.59	33.77	33.99	33.56	33.46	33.30	33.54	33.60			
20	33.21	33.00	32.92	31.49	33.88	33.82	33.78	33.55		33.29	33.42	33.57			
21	32.94	32.70	32.98	30.18	33.82	33.82	33.80	33.73	33.49	33.26	33.44	33.54			
22	32.75	32.23	32.99	31.22	33.37	33.87	33.78	33.47	33.59	33.24	33.78	33.76			
23	32.88	32.12	33.15	32.44	33.65	33.86	33.79	33.60	33.49	33.30	33.49	33.56			
24	30.93	32.75	33.03		33.74	33.87	33.72	33.20	33.47	33.61	33.49	33.37			
25	30.22		32.78	31.98	34.15	33.81	33.72	33.12	33.45	33.24	33.48	33.48			
26	31.42	32.64	32.40	32.05	33.72	33.81	33.74	33.12	33.38	33.40	33.50	33.54			
27	32.37	32.76	31.64	32.41	33.73	34.06	33.66	33.37	33.38	33.42	33.51	33.50			
28	32.73	32.59	32.80	31.70	33.76	33.79	33.47	33.46	33.68	33.31	33.50	33.46			
29	32.35		32.42	32.57	33.80	33.70	33.41	33.30	33.54	33.28	33.51	33.60			
30	32.55		32.42	32.99	33.79	33.68	33.65	33.47	33.57	33.37	33.46	33.47			
31	31.43				33.74		33.66	33.51		33.36		33.62			
1-10 MEANS	33.18	32.84	32.86	32.34	33.68	33.61	33.78	33.65	33.39	33.50	33.41	33.49			
SAMPLE SIZE	5	5	5	10	10	10	10	10	9	10	9	10			
11-20 MEANS	33.24	32.88	32.89	32.20	33.54	33.76	33.73	33.53	33.45	33.33	33.44	33.49			
SAMPLE SIZE	3	7	9	10	10	10	10	10	7	10	10	9			
21-31 MEANS	32.05	32.54	32.66	31.95	33.75	33.83	33.67	33.40	33.50	33.34	33.52	33.54			
SAMPLE SIZE	11	7	10	9	11	10	11	11	10	11	10	11			
MONTHLY MEANS	32.54	32.75	32.79	32.17	33.66	33.73	33.73	33.52	33.45	33.39	33.45	33.51	33.22		
SAMPLE SIZE	19	19	24	29	31	30	31	31	26	31	29	30			
MAXIMUM VALUE	33.35	33.01	33.16	32.99	34.15	34.06	33.99	34.10	34.07	33.61	33.78	33.76		34.15	
MINIMUM VALUE	30.22	32.12	31.64	30.18	33.22	33.30	33.41	33.12	33.26	33.24	33.36	33.37			30.18
RANGE	3.13	.89	1.52	2.81	.93	.76	.58	.98	.81	.37	.42	.39			
STANDARD DEV.	.90	.25	.33	.57	.21	.16	.12	.20	.17	.11	.08	.08			

PACIFIC GROVE TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.2	13.2	13.5	14.5	14.1	12.4	17.0	13.2	15.5	13.2	13.2	13.0			
2	13.2	13.1	13.8	14.6	14.2	12.0	15.8	13.0	15.6	13.0	13.0	12.9			
3	13.5	13.2	13.5	14.4	13.8	12.2	14.2	13.0	15.4	13.2	12.8	12.5			
4	13.5	13.2	13.5	13.9	13.9	12.1		13.2	15.4	13.5	12.8	11.8			
5	13.4	13.2	13.6	13.8	11.1	13.2	13.8	13.5	14.8	13.2	13.5	12.5			
6	13.8	13.9	13.8	14.0	11.5	13.0	13.8	14.5	14.5	13.5	13.0	11.2			
7	13.7	13.5	13.8	14.5	11.7	14.0	14.2	13.8	14.2	13.0	13.2	10.8			
8	14.1	13.5	13.5	14.2	13.0	13.0		14.0	14.0	13.1	12.2	10.2			
9	14.0	13.8	13.5	14.4	13.5	12.7		14.2	14.5	13.2	12.0	10.8			
10	13.8	13.0	13.5	14.5	13.0	12.4	12.2	14.2	14.2	12.8	12.0	10.6			
11	13.9	13.0	13.5	14.8	13.0	12.4	12.0	14.0	15.2	12.7	11.9	10.0			
12	13.8	13.1	13.6	14.0	13.0	13.2	12.5	14.0	14.8	12.5	11.9	10.2			
13	13.8	13.2	13.5	14.1	13.0	13.1	12.4	14.5	15.2	13.0	11.6	10.2			
14	13.8	13.5	14.2	14.2	13.0	12.5	13.1	14.8	15.0	13.5	11.5	10.0			
15	13.7	13.5	14.2	14.2	13.0	12.5		14.2	15.0	13.5	11.8	10.9			
16	13.8	13.4	14.8	14.2	13.2	13.0		14.8	14.5	13.8	12.0	11.2			
17	13.8	13.2	14.2	14.9	12.8		14.0	14.5	14.2	13.8	12.5	11.6			
18	14.0	13.4	14.1	14.5	13.0		14.2	14.5	13.2	13.5	12.8	11.2			
19	14.0	13.5	14.2	14.6	14.0	12.5	13.9	15.2	13.0	13.4	13.0	11.0			
20	14.2	13.4	13.9	14.2	14.2	13.2	13.7	16.0	13.5	13.0	13.2	11.0			
21	14.2	13.8	14.0	14.4	14.1	13.2	12.3	15.5	13.8	13.0	13.0	11.0			
22	14.3	13.6	14.0	14.4	12.0	13.5	14.0	16.0	14.0	12.9	13.0	11.1			
23	13.8	13.6	14.6	14.3	11.8	13.4	14.0	15.5	14.2	12.9	13.5	11.8			
24	13.0	13.4	14.2	14.3	12.5	15.2	13.7	16.2	14.0	12.5	13.5	11.4			
25	13.0	13.5	14.1	15.2	12.8	14.2	13.7	15.2	14.2	12.6	13.2	11.0			
26	13.2	13.5	14.3	14.2	12.9	13.8	14.1	16.0	13.5	13.2	13.1	11.0			
27	13.0	13.4	14.2	15.2	12.7	12.5	14.1	15.8	13.2	13.2	12.8	12.2			
28	13.0	13.2	14.5	15.1	13.5	12.0	13.9	16.0	13.5	14.0	12.2	11.8			
29	13.0		14.5	15.2	14.5	12.5	14.5	15.8	12.8	14.2	12.8	11.8			
30	13.0		14.5		12.8	13.2	13.9	16.0	13.5	14.0	12.7	11.5			
31	13.1		14.6		12.5		13.2	15.8		13.8		11.3			
1-10 MEANS	13.62	13.36	13.60	14.28	12.98	12.70	14.43	13.66	14.81	13.17	12.77	11.63			
SAMPLE SIZE	10	10	10	10	10	10	7	10	10	10	10	10			
11-20 MEANS	13.88	13.32	14.02	14.37	13.22	12.80	13.22	14.65	14.36	13.27	12.22	10.73			
SAMPLE SIZE	10	10	10	10	10	8	8	10	10	10	10	10			
21-31 MEANS	13.33	13.50	14.32	14.70	12.92	13.35	13.76	15.80	13.67	13.30	12.98	11.45			
SAMPLE SIZE	11	8	11	9	11	10	11	11	10	11	10	11			
MONTHLY MEANS	13.60	13.39	13.99	14.44	13.04	12.96	13.78	14.74	14.28	13.25	12.66	11.27	13.45		
SAMPLE SIZE	31	28	31	29	31	28	26	31	30	31	30	31			
MAXIMUM VALUE	14.3	13.9	14.8	15.2	14.5	15.2	17.0	16.2	15.6	14.2	13.5	13.0		17.0	
MINIMUM VALUE	13.0	13.0	13.5	13.8	11.1	12.0	12.0	13.0	12.8	12.5	11.5	10.0			10.0
RANGE	1.3	.9	1.3	1.4	3.4	3.2	5.0	3.2	2.8	1.7	2.0	3.0			
STANDARD DEV.	.42	.24	.40	.39	.84	.73	1.06	1.02	.79	.44	.60	.79			

POINT LOBOS NORTH TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.9	13.4	13.3	12.1	11.5	12.2	12.4	12.0	13.4	13.6	11.5	12.8			
2	11.5	13.6	13.7	12.4	10.1	11.6	16.8	12.6	14.5	13.2	11.3	12.3			
3	13.2	12.4	13.4	12.6	11.0	13.0	16.3	12.5	15.6	12.0	11.5	11.4			
4	14.6	12.5	13.7	12.5	10.0	14.0	14.3	12.7	15.1	12.0	11.4	10.8			
5	13.8	13.7	13.0	13.0	10.0	13.0	12.6	13.8	13.6	12.3	13.4	10.9			
6	13.5	14.0	13.3	12.1	10.4	13.5	12.2	14.2	13.3	12.1	12.0	11.2			
7	12.8	14.8	13.6	12.4	11.0	12.2	12.3	13.8	14.2	13.2	12.2	11.3			
8	13.0	13.6	14.0	12.7	12.0	12.0	12.2	14.4	14.6	12.8	12.5	8.5			
9	14.0	13.0	13.0	12.4	11.0	12.2	12.0	14.4	15.0	12.8	12.3	8.7			
10	13.2	12.0	13.3	12.5	10.6	12.8	11.6	14.0	16.0	12.5	12.4	9.5			
11	13.7	12.2	12.5	13.1	11.5	12.7	12.0	13.0	14.5	12.6	11.5	10.3			
12	13.4	11.6	12.0	12.5	11.3	12.6	12.3	14.0	13.6	13.2	12.0	10.5			
13	13.5	12.2	12.7	13.0	13.0	12.2	13.0	16.2	14.0	13.0	12.6	10.5			
14	13.9	12.4	13.0	13.1	12.0	12.3	13.0	14.6	13.9	13.4	12.2	10.6			
15	13.5	12.4	12.0	13.0	11.5	11.8	13.4	14.0	13.0	13.7	11.5	10.6			
16		11.8	12.0	12.2	11.3	10.8	13.5	13.8	12.6	13.5	11.5	11.1			
17	14.0	12.1	13.6	11.3	11.2	12.0	12.0	14.6	12.8	12.9	11.6	11.6			
18	13.2	12.2	13.0	13.8	11.5	13.8	12.0	14.4	12.5	12.3	12.6	10.9			
19	13.8	11.7	13.8	14.0	12.1	13.0	12.4	13.2	12.0	12.9	13.1	10.9			
20	13.4	12.1	13.6	13.5	12.0	12.2	12.4	14.1	13.2	13.2	13.5	10.2			
21	13.0	11.8	13.4	13.5	12.4	12.6	12.4	13.6	12.4	13.0	12.4	10.4			
22	13.0	11.8	14.0	12.3	12.6	12.6	14.0	13.1	12.9		12.4	10.9			
23	11.6	12.4	14.0	12.7	11.1	13.0	14.2	13.7	14.2	13.1	12.2	10.5			
24	11.5	12.0	13.3	12.8	11.2	14.0	14.0	13.3	14.0	13.2	12.0	10.8			
25	11.3	12.3	13.8	13.8	11.8	13.8	13.7	13.6	14.4	13.6	13.6	10.9			
26	12.2	12.2	13.6	13.8	12.2	12.2	13.9	16.3	13.7	13.9	12.7	11.2			
27	12.2	11.6	13.2	13.7	12.8	11.1	13.9	15.3	13.6	13.4	11.8	12.4			
28	12.7	12.4	12.3	13.3	11.9	12.0	13.4	14.0	13.6	13.8	14.4	12.2			
29	12.7		11.9	12.8	10.9	12.8	14.0	13.6	13.8	14.0	12.8	10.8			
30	12.0		12.3	12.2	11.0	13.2	13.5	12.9	13.1	11.3	12.5	10.5			
31	13.2		12.4		10.9		12.1	12.9		9.8		10.6			
1-10 MEANS	13.35	13.30	13.43	12.47	10.76	12.65	13.27	13.44	14.53	12.65	12.05	10.74			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	13.60	12.07	12.82	12.95	11.74	12.34	12.60	14.19	13.21	13.07	12.21	10.72			
SAMPLE SIZE	9	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	12.31	12.06	13.11	13.09	11.71	12.73	13.55	13.85	13.57	12.91	12.68	11.02			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	10	10	11			
MONTHLY MEANS	13.04	12.51	13.12	12.84	11.41	12.57	13.15	13.83	13.77	12.88	12.31	10.83	12.69		
SAMPLE SIZE	30	28	31	30	31	30	31	31	30	30	30	31			
MAXIMUM VALUE	14.6	14.8	14.0	14.0	13.0	14.0	16.8	16.3	16.0	14.0	14.4	12.8		16.8	
MINIMUM VALUE	11.3	11.6	11.9	11.3	10.0	10.8	11.6	12.0	12.0	9.8	11.3	8.5			8.5
RANGE	3.3	3.2	2.1	2.7	3.0	3.2	5.2	4.3	4.0	4.2	3.1	4.3			
STANDARD DEV.	.85	.80	.65	.64	.78	.79	1.21	.97	.94	.86	.75	.91			

POINT LOBOS SOUTH TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.7	12.9	12.6	12.8	10.8	12.0	10.6	11.0	12.9	12.8	11.4	13.2			
2	11.7	13.3	13.5	12.4	10.1	12.5	15.4	11.1	13.9	13.4	11.0	12.5			
3	13.6	12.3	13.8	12.6	10.3	12.6	12.4	12.2	15.0	11.7	11.2	11.2			
4	14.3	12.2	13.3	13.2	9.7	12.5	11.7	12.7	13.5	12.4	11.1	11.0			
5	13.6	13.4	12.9	13.2	9.6	11.0	11.3	13.3	13.2	12.0	13.0	11.2			
6	13.3	13.7	13.0	12.0	9.6	12.2		13.3	13.5	12.4	11.8	10.6			
7	13.1	14.6	14.0	11.2	10.2	11.0	10.0	13.4	14.6	12.7	12.0	11.0			
8	13.3	14.3	14.0	12.9	10.1	10.2	11.7	13.3	13.7	11.9	12.0	9.0			
9	13.6	14.1	13.6	12.2	10.3	11.8	11.5	13.8	13.3	13.1	11.8	8.5			
10	13.6	12.6	13.0	13.0	11.0	10.0	10.5	13.0	15.5	12.3	12.6	9.7			
11	13.8	11.3	12.8	13.0	9.3	10.4	11.6	13.8	13.8	12.3	11.6	10.5			
12	13.2	11.3	12.4	12.8	10.3	11.0	12.0	13.6	13.2	13.0	12.2	10.0			
13	12.4	12.0	12.7	13.2	12.7	12.4	11.5	14.8	13.7	12.8	12.4	10.6			
14	13.8	12.4	13.1	13.3	12.0	11.7	12.8	13.4	13.4	13.1	11.5	10.3			
15	13.7	12.4	12.4	12.9	11.5	11.3	11.8	13.6	13.0	13.4	11.6	10.4			
16	14.6	11.5	13.0	12.8	10.5	11.3	12.2	12.6	13.4	13.2	11.9	11.0			
17	13.8	12.0	13.3	13.0	10.8	10.0	11.1	13.4	12.6	12.7	11.3	11.8			
18	13.8	11.7	13.0	13.9	11.1	13.3	11.8	13.5	12.0	11.7	13.0	10.8			
19	13.6	11.9	13.7	14.5	12.0	12.4	11.8	14.6	12.2	12.5	12.6	10.4			
20	12.8	12.2	14.0	14.1	11.5	11.0	11.6	13.5	12.9	13.0	13.2	9.8			
21	12.9	11.6	14.5	12.6	11.6	10.6	11.2	12.2	11.5	13.4	11.8	9.9			
22	12.9	11.8	14.1	11.5	11.6	11.3	13.2	12.0	12.6		12.0	10.4			
23	11.4	11.9	14.9	12.2	10.8	11.7	13.8	12.3	12.8	12.8	11.9	10.7			
24	11.0	12.6	14.4	12.6	10.9	11.3	12.0	12.2	13.9	12.7	11.8	10.7			
25	11.0	12.6	13.1	13.7	10.5	11.3	12.0	12.6	13.1	13.8	13.5	10.7			
26	12.0	12.5	13.4	14.0	11.5	10.5	12.7	13.6	13.0	13.7	12.5	11.0			
27	12.5	12.6	12.8	13.3	10.0	10.6	13.0	13.9	12.8	13.0	11.6	12.0			
28	12.3	12.8	12.0	14.9	9.8	11.6	12.9	14.2	13.2	12.9	12.0	12.0			
29	12.2		11.6	11.7	9.9	12.8	12.0	11.6	13.7	13.1	12.6	10.4			
30	12.4		12.6	10.5	10.8	13.3	12.2	13.0	12.9	11.7	12.7	10.6			
31	13.0		12.8		11.1		10.1	12.7		10.2		10.5			
1-10 MEANS	13.38	13.34	13.37	12.55	10.17	11.58	11.68	12.71	13.91	12.47	11.79	10.79			
SAMPLE SIZE	10	10	10	10	10	10	9	10	10	10	10	10			
11-20 MEANS	13.55	11.87	13.04	13.35	11.17	11.48	11.82	13.68	13.02	12.77	12.13	10.56			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	12.15	12.30	13.29	12.70	10.77	11.50	12.28	12.75	12.95	12.73	12.24	10.81			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	10	10	11			
MONTHLY MEANS	13.00	12.52	13.24	12.87	10.71	11.52	11.95	13.04	13.29	12.66	12.05	10.72	12.30		
SAMPLE SIZE	31	28	31	30	31	30	30	31	30	30	30	31			
MAXIMUM VALUE	14.6	14.6	14.9	14.9	12.7	13.3	15.4	14.8	15.5	13.8	13.5	13.2		15.5	
MINIMUM VALUE	11.0	11.3	11.6	10.5	9.3	10.0	10.0	11.0	11.5	10.2	11.0	8.5			8.5
RANGE	3.6	3.3	3.3	4.4	3.4	3.3	5.4	3.8	4.0	3.6	2.5	4.7			
STANDARD DEV.	.92	.87	.74	.94	.82	.93	1.09	.91	.82	.73	.64	.94			

GRANITE CANYON TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1			12.2	13.2	9.6	10.5	11.1	10.0	10.5	12.0		11.8			
2			12.9	13.0	9.5	11.2	10.6	10.8	12.4	11.0	12.5	10.8			
3			13.0	12.1	9.2	10.6	9.3	11.2	12.9	11.7	12.0	11.8			
4			13.3	12.5	8.9	10.1	9.3	12.0	12.5	12.2	11.8	11.1			
5			13.2	11.9	8.5	9.7	9.7	12.0	13.4	12.2	12.0	11.0			
6			13.0	12.0	8.8	9.5	10.0	12.0	14.4	12.1	11.4	10.0			
7			13.0		8.6	9.5	10.0	13.5	13.9	12.2	12.0	9.2			
8			13.3	11.0	8.8	9.5	9.3	12.8	13.0	11.5	12.5	9.5			
9			13.0	10.8	10.0	9.1	10.4	12.0	13.4	11.8	12.0	10.5			
10			13.0	11.2	9.9	9.7	10.9	13.0	14.3	12.3	12.0	11.0			
11			12.6	11.7	9.1	9.5	11.1	13.4	12.8	12.1	12.3	11.1			
12			12.2	11.7	9.2	9.1	11.0	13.0	11.6		12.4	10.6			
13			11.0	12.5	9.5	9.5	9.9	13.6	11.0	11.9	12.8	11.3			
14			11.2	12.5	9.5	9.0	9.7	11.4	12.0	12.2	12.7	12.0			
15			11.2	12.3	10.0	9.0	10.0	12.0	12.5	12.3	12.0	12.0			
16			12.0	12.5	9.3	9.0	9.1	12.6	13.1	11.3	13.0	11.9			
17			12.0	12.5	10.0	9.0	9.0	12.5		11.0	13.2	11.9			
18			12.5	12.5	9.2	9.8	9.5	11.3	11.7	11.0	12.9	11.1			
19			13.0	11.8	9.8	9.4	10.3	12.2	11.5	11.5	13.0	10.9			
20			13.5	12.6	10.2	9.5	11.0	12.7	11.3	12.5	13.0	11.0			
21			13.5	11.9	10.0	9.8	11.0	11.8	11.0	13.0	13.3	10.5			
22			13.3	10.8	9.9	9.5	11.2	11.5	11.3	12.2					
23			13.5	10.1	9.7	9.5	11.4	11.5	12.4	12.0	13.1	11.7			
24			13.1	11.0	9.5	9.5	11.0	11.9	11.0	12.1	13.4	11.5			
25			12.2	12.5	9.5	9.1	11.3	12.0	12.0	13.6	13.3	12.2			
26			11.2	13.0	9.1	9.3	11.9	12.5	12.0	13.5	13.0	12.5			
27			10.8	12.7	10.6	9.5	11.5	12.3	12.3	12.8	11.8	11.9			
28			10.8	10.6	10.5	10.5		12.0		12.0	12.9	11.9			
29			10.5	10.5	10.5	12.6	9.8	11.1	11.0	12.3	12.9	12.0			
30			12.8	10.2	9.1	12.5	9.8	11.0	12.0	11.1	13.0	12.0			
31			13.0		10.0		9.3	11.0				11.8			
1-10 MEANS			12.99	11.97	9.18	9.94	10.06	11.93	13.07	11.90	12.02	10.67			
SAMPLE SIZE			10	9	10	10	10	10	10	10	9	10			
11-20 MEANS			12.12	12.26	9.58	9.28	10.06	12.47	11.94	11.76	12.73	11.38			
SAMPLE SIZE			10	10	10	10	10	10	9	9	10	10			
21-31 MEANS			12.25	11.33	9.85	10.18	10.82	11.69	11.67	12.46	12.97	11.80			
SAMPLE SIZE			11	10	11	10	10	11	9	10	9	10			
MONTHLY MEANS			12.45	11.85	9.55	9.80	10.31	12.02	12.26	12.05	12.58	11.28			
SAMPLE SIZE			31	29	31	30	30	31	28	29	28	30			
MAXIMUM VALUE			13.5	13.2	10.6	12.6	11.9	13.6	14.4	13.6	13.4	12.5			
MINIMUM VALUE			10.5	10.1	8.5	9.0	9.0	10.0	10.5	11.0	11.4	9.2			
RANGE			3.0	3.1	2.1	3.6	2.9	3.6	3.9	2.6	2.0	3.3			
STANDARD DEV.			.92	.89	.56	.91	.83	.84	1.04	.66	.56	.80			

MORRO BAY TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	14.4	15.6	13.3	13.3	13.9	14.4	14.4	13.3	14.4	13.9	14.4	13.3			
2	14.4	15.6	13.3	13.3	13.9	13.3	15.6	14.4	14.4	13.9	14.4	12.8			
3	13.9	15.6	13.9	13.9	13.3	15.0	14.4	13.9	14.4	13.9	13.9	12.2			
4	13.9	15.6	13.3	15.6	13.9	15.6	15.6	14.4	14.4	13.9	13.3	12.2			
5	13.9	15.6	13.9	15.0	13.9	14.4	15.6	14.4	14.4	13.3	13.3	12.2			
6	13.9	15.6	14.4	13.9	13.9	14.4	16.7	14.4	13.9	13.3	13.9	13.3			
7	13.9	15.6	14.4	13.9	13.9	14.4	16.7	15.0	13.9	13.3	12.8	12.2			
8	14.4	13.9	14.4	13.9	13.9	14.4	17.2	15.6	15.0	13.3	13.3	13.3			
9	15.0	14.4	15.0	13.9	14.4	13.9	15.6	15.6	16.1	13.3	13.3	12.2			
10	14.4	13.9	14.4	15.6	14.4	14.4	16.1	16.1	13.3	13.3	13.9	14.4			
11	15.0	14.4	14.4	13.9	13.9	14.4	14.4	13.3	13.3	13.3	13.3	13.9			
12	15.6	15.0	13.3	13.9	13.9	14.4	15.6	15.0	13.3	13.9	13.3	13.9			
13	14.4	13.3	13.3	13.9	13.3	14.4	14.4	14.4	16.1	13.3	13.9	13.9			
14	16.7	15.0	15.6	13.9	13.3	15.0	13.9	15.0	14.4	13.3	13.9	13.3			
15	15.6	12.8	13.9	13.9	13.9	16.7	14.4	14.4	14.4	13.9	13.3	13.3			
16	15.6	13.9	13.9	13.9	13.3	15.6	15.0	14.4	14.4	14.4	13.3	13.3			
17	15.6	12.8	13.3	13.9	14.4	13.9	12.8	15.0	14.4	13.9	13.3	13.3			
18	15.0	13.3	13.3	13.9	11.1	15.6	13.9	13.9	13.9	14.4	12.8	13.3			
19	15.6	12.8	13.3	14.4	12.2	15.6	12.8	14.4	14.4	14.4	13.9	13.3			
20	16.1	13.3	13.9	13.9	12.2	15.6	13.9	16.1	13.9	14.4	13.3	13.3			
21	16.7	13.3	13.9	14.4	12.2	16.7	14.4	14.4	13.3	14.4	13.9	13.3			
22	16.1	13.3	14.4	13.3	12.8	16.1	12.8	13.3	13.3	14.4	13.9	13.3			
23	15.6	13.3	14.4	13.9	13.3	16.7	13.3	14.4	13.3	13.3	13.9	13.3			
24	15.6	13.9	14.4	13.3	12.8	16.7	14.4	14.4	13.3	13.3	13.9	13.3			
25	15.6	13.3	13.9	13.3	12.2	15.6	14.4	14.4	13.9	12.2	13.3	13.3			
26	15.6	13.3	14.4	13.9	12.8	15.6	14.4	14.4	13.9	13.3	13.3	13.3			
27	15.6	13.3	15.0	14.4	12.2	16.7	13.9	14.4	13.3	13.3	12.8	13.9			
28	15.6	13.3	14.4	14.4	12.8	16.7	13.9	14.4	13.9	13.3	12.8	13.9			
29	15.6		14.4	14.4	11.7	17.8	13.9	14.4	13.9	13.3	13.3	13.3			
30	15.6		13.9	14.4	11.7	15.6	14.4	15.0	13.9	13.3	13.9	13.3			
31	15.6		13.3		12.2		14.4	13.9		13.9		13.3			
1-10 MEANS	14.21	15.14	14.03	14.23	13.94	14.42	15.79	14.71	14.42	13.54	13.65	12.81			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	15.52	13.66	13.82	13.95	13.15	15.12	14.11	14.59	14.25	13.92	13.43	13.48			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	15.75	13.38	14.22	13.97	12.43	16.42	14.02	14.31	13.60	13.45	13.50	13.41			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	15.18	14.11	14.03	14.05	13.15	15.32	14.62	14.53	14.09	13.63	13.53	13.24	14.12		
SAMPLE SIZE	31	28	31	30	31	30	31	31	30	31	30	31			
MAXIMUM VALUE	16.7	15.6	15.6	15.6	14.4	17.8	17.2	16.1	16.1	14.4	14.4	14.4		17.8	
MINIMUM VALUE	13.9	12.8	13.3	13.3	11.1	13.3	12.8	13.3	13.3	12.2	12.8	12.2			11.1
RANGE	2.8	2.8	2.3	2.3	3.3	4.5	4.4	2.8	2.8	2.2	1.6	2.2			
STANDARD DEV.	.82	1.04	.60	.58	.91	1.09	1	.69	.72	.51	.45	.55			

PORT SAN LUIS TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	14.1	13.8	13.6	14.2	10.6	13.1	13.6	15.0	16.1	15.8	13.9	13.9			
2	14.1	13.8	13.9	13.3	10.8	13.1	12.8	14.2	14.4	15.8	13.6	13.6			
3	14.1	13.8	13.9	13.3	11.7	11.9	12.2	15.0	14.4	15.6	13.9				
4	13.8	14.1	13.9	13.9	12.2	13.3	12.2	15.8	15.3	15.0	14.2	13.6			
5	14.1	14.4	14.2	13.1	12.2	15.3	13.1	15.6	15.6	15.0	14.2	13.3			
6	13.8	14.1	14.4	13.9	10.3	14.7	12.2		15.6	14.7	13.9	12.2			
7	13.8	14.4	13.9	13.1	11.1	14.4	11.7	16.7	14.2	15.0	14.4	11.7			
8	14.4	13.8	14.2	12.8	12.2	15.0	12.8	17.5	13.9	15.0	14.4	10.6			
9	14.7	14.4	14.7	12.8	13.9	15.6	13.1	16.9	13.9	15.0	15.0	11.4			
10	14.1	13.6	15.0	13.6	14.2	15.8	13.1	16.7	13.9	14.7	14.2	11.1			
11	14.4	13.8	14.2	13.3	11.7	13.9	13.3	16.7	14.2	15.6	13.9	10.6			
12	15.0	13.3	14.4	13.3	12.2	13.3	13.3	16.1	13.9	15.6	13.9	11.4			
13	15.0	13.8	13.1	13.3	12.2	14.4	14.4	15.6	13.6	17.2	13.3	11.1			
14	15.2	13.3	13.3	13.9	13.9	15.6	14.7	16.1	13.9	16.9	13.9	11.1			
15	14.7	13.3	13.9	13.9	13.9	13.6		16.1	14.4		13.3	11.1			
16	15.0	12.5	13.6	12.8	11.1	12.5	14.7	16.1	14.7	15.6	13.3	11.1			
17	15.0	13.3	14.2	13.1	11.7	13.6	16.7	16.7	15.0	16.1	13.9	11.1			
18	14.4	13.6	14.2	13.3	13.3	14.4	16.7	15.6	13.9	16.1	13.9	11.7			
19	15.0	13.0	14.2	13.3	14.2	14.4	20.0	16.1	14.2	14.7	13.9	11.1			
20	15.0	13.3	14.4	12.8	14.7	14.4	13.9	16.9	13.9	15.3	13.9	11.1			
21	14.1	13.3	14.4	12.2	14.4	14.4	14.4	16.7	13.9	14.7	13.9	11.7			
22	14.7	13.8	14.7	11.7	11.9	14.4		17.2	13.3	13.9	13.3	11.7			
23	14.4	13.8	14.7	11.1	11.4	13.6	14.4	15.6	15.0	13.9	13.3	12.2			
24	13.3	13.8	14.4	12.2	11.1	13.9	13.9	14.7	15.3	13.9	13.9	12.8			
25	13.8	13.3	15.0	12.5	10.8	12.8	15.0	15.3	14.4	14.4	13.9				
26	14.1	13.3	15.3	13.1	10.8	12.8	15.8	15.0	16.7	14.4	13.9	12.5			
27	14.4	13.3	15.0	13.1	11.4	12.5	15.6	14.4	15.8	14.2	13.9	12.8			
28	14.1	13.6	14.4	12.8	10.8	12.2	16.1	13.1	16.7	14.2	13.9	12.8			
29	13.8		14.4	12.5	13.1	12.8	16.4	13.9	17.2	14.4	13.9	12.5			
30	14.1		14.4	11.7	13.6	12.8	14.4	15.6	16.7	14.4	13.9	12.2			
31	14.1		14.2		13.6		14.4	15.0				11.9			
1-10 MEANS	14.10	14.02	14.17	13.40	11.92	14.22	12.68	15.93	14.73	15.16	14.17	12.38			
SAMPLE SIZE	10	10	10	10	10	10	10	9	10	10	10	9			
11-20 MEANS	14.87	13.32	13.95	13.30	12.89	14.01	15.30	16.20	14.17	15.90	13.72	11.14			
SAMPLE SIZE	10	10	10	10	10	10	9	10	10	9	10	10			
21-31 MEANS	14.08	13.53	14.63	12.29	12.08	13.22	15.04	15.14	15.50	14.24	13.78	12.31			
SAMPLE SIZE	11	8	11	10	11	10	10	11	10	10	10	10			
MONTHLY MEANS	14.34	13.63	14.26	13.00	12.29	13.82	14.31	15.73	14.80	15.07	13.89	11.93	13.92		
SAMPLE SIZE	31	28	31	30	31	30	29	30	30	29	30	29			
MAXIMUM VALUE	15.2	14.4	15.3	14.2	14.7	15.8	20.0	17.5	17.2	17.2	15.0	13.9		20.0	
MINIMUM VALUE	13.3	12.5	13.1	11.1	10.3	11.9	11.7	13.1	13.3	13.9	13.3	10.6			10.3
RANGE	1.9	1.9	2.2	3.1	4.4	3.9	8.3	4.4	3.9	3.3	1.7	3.3			
STANDARD DEV.	.48	.44	.49	.71	1.33	1.06	1.77	1.04	1.07	.85	.37	.93			

SANTA BARBARA TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		16.0		17.0				17.0	19.5	19.5	16.9	16.0			
2	13.9		14.9					17.4		19.5	16.9				
3		15.8	14.5		14.0	17.0	19.0	17.2			16.9				
4		15.7				16.8	19.2	17.2			16.9				
5	15.0			16.1	14.5	17.7	18.2		16.5		16.9	14.8			
6	15.0		15.3						18.0		16.9	14.0			
7	16.0		15.8	15.0	15.0		17.2	17.9			17.0				
8	15.0		15.8	14.3	16.1	17.4	17.0	18.1			17.1	13.0			
9	14.8					17.3		19.1	18.0		17.0	12.8			
10	14.8	13.8		15.0	16.0	17.5	15.5	19.5	17.5						
11	14.9		16.0	15.0		17.7	15.5	18.8	18.0		16.9				
12	15.1				16.6	17.8	17.0		18.4		16.0	13.0			
13	15.4		14.5	15.0				17.7							
14	15.0		15.0	14.8	18.0	18.5		16.8			15.0	13.2			
15		14.9	15.4		18.0	18.8	18.2	17.1			16.0	13.2			
16					18.0	18.2		16.9	17.7		15.9	13.1			
17	15.0			15.0	17.5	18.0	18.2	16.8	18.1		15.8				
18	15.2	14.9	16.4		16.5	17.4	18.0	18.0		18.2	15.6				
19	15.4					18.2		17.8			15.6	12.8			
20			17.0	16.2	16.1		15.8	18.0	17.8		15.7	12.2			
21	16.0	15.0	16.9	15.4	15.8	19.0	16.5	18.1	18.0						
22					16.0	18.7		18.1	18.3	17.9	14.5	12.2			
23	15.0				16.0	18.8	16.8	18.3	19.0	17.8	14.5	12.2			
24			16.9	14.8	15.0	18.3	15.1	18.7		17.6					
25		15.2		14.0		18.7	15.0	19.1		18.0	15.2				
26			18.2	14.6		18.4	15.2		20.0						
27				15.4	16.5	18.5	16.8	20.1	20.2						
28			17.1	16.0		18.2	16.8	20.2	20.2		15.0				
29	15.0		16.9	16.3	16.2	16.7		20.2				12.0			
30				16.5	16.5			20.2		17.3		12.8			
31	15.4				18.0			19.9		17.2					
1-10 MEANS	14.93	15.32	15.26	15.48	15.12	17.28	17.68	17.92	17.90	19.50	16.94	14.12			
SAMPLE SIZE	7	4	5	5	5	6	6	8	5	2	9	5			
11-20 MEANS	15.14	14.90	15.72	15.20	17.24	18.08	17.12	17.54	18.00	18.20	15.83	12.92			
SAMPLE SIZE	7	2	6	5	7	8	6	9	5	1	9	6			
21-31 MEANS	15.35	15.10	17.20	15.38	16.25	18.37	16.03	19.29	19.28	17.63	14.80	12.30			
SAMPLE SIZE	4	2	5	8	8	9	7	10	6	6	4	4			
MONTHLY MEANS	15.11	15.16	16.04	15.36	16.31	17.98	16.89	18.30	18.45	18.11	16.10	13.15	16.41		
SAMPLE SIZE	18	8	16	18	20	23	19	27	16	9	22	15			
MAXIMUM VALUE	16.0	16.0	18.2	17.0	18.0	19.0	19.2	20.2	20.2	19.5	17.1	16.0		20.2	
MINIMUM VALUE	13.9	13.8	14.5	14.0	14.0	16.7	15.0	16.8	16.5	17.2	14.5	12.0			12.0
RANGE	2.1	2.2	3.7	3.0	4.0	2.3	4.2	3.4	3.7	2.3	2.6	4.0			
STANDARD DEV.	.46	.70	1.07	.82	1.16	.67	1.32	1.14	1.05	.85	.88	1.07			

VENTURA TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	14.4	15.0	13.9	15.0	15.0	18.3	16.7	16.7	18.9	18.9	17.8	16.1			
2	15.0	15.0	14.4	16.7	15.6	17.8	17.2	16.7	20.0	18.9	17.8	15.6			
3		15.0	14.4	16.7	15.6	17.8	16.7	18.3	19.4	18.9	17.8	15.6			
4		15.0	13.9	16.1	14.4	18.3	16.7	18.3	19.4	18.9	17.8	15.0			
5	14.4	14.4	13.9	15.6	15.0	17.8	16.7	18.9	18.9	20.0	17.8	15.0			
6	15.0	15.0	14.4	16.1	15.0	17.8	16.7	18.9	17.8	19.4	17.2	13.9			
7	15.0	15.6	15.0	15.6	15.6	17.8	16.1	18.9	18.3	19.4	17.8	12.8			
8	15.6	15.0	15.0	15.0	16.1	17.8	16.1	19.4	18.3	19.4	17.8	12.8			
9	15.6	13.9	15.6	15.0	16.7	17.8	16.1	19.4	18.3	19.4	18.3	14.4			
10	14.4	13.9	15.0	15.0	17.8	17.8	16.1	20.6	17.8	19.4	18.3	12.2			
11	15.0	13.3	15.6	15.6	17.2	17.8	16.1	20.6	18.3	19.4	17.8	12.8			
12	15.0	13.3	15.0	15.6	17.2	17.8	16.7	19.4	17.8	18.9	16.7	13.3			
13	15.0	11.7	14.4	15.6	18.3	18.3	17.2	19.4	18.9	18.3	16.7	12.8			
14	15.0	12.8	14.4	15.6	17.8	18.3	17.8	18.3	19.4	17.8	16.1	13.3			
15	14.4	12.8	15.0	15.6	17.8	17.8	17.8	18.3	18.9	18.3	16.1	13.3			
16	15.0	13.3	15.6	15.6	18.3	17.8	17.8	18.3	18.9	17.8	16.1	13.3			
17	14.4	13.9	15.0	15.6	17.8	17.8	16.7	17.8	19.4	17.8	16.1	13.3			
18	15.0	13.9	15.0	15.6	17.8	17.8	16.1	17.8	19.4	18.3	15.6	13.3			
19	14.4	14.4	15.6	17.2	17.8	17.2	16.1	17.8	19.4	18.3	16.1	12.8			
20	14.4	14.4	16.1	16.7	17.8	16.1	16.7	18.9	18.9	18.9	16.1	12.2			
21	15.0	15.0	16.1	16.7	16.1	16.1	16.7	19.4	18.3	18.9	15.6	12.2			
22	15.0	15.0	15.0	16.7	15.6	16.1	16.7	19.4	18.9	18.3	15.6	12.8			
23	15.0	15.0	16.1	15.6	16.1	16.1	16.1	20.0	18.9	17.8	15.0	12.8			
24	14.4	15.6	16.7	15.0	16.1	15.6	15.6	18.9	19.4	17.8	15.6	12.8			
25	14.4	15.0	16.7	13.9	16.1	16.7	15.6	20.0	19.4	17.8	16.1	13.3			
26	14.4	14.4	16.7	14.4	16.1	16.7	15.6	19.4	20.0	17.8	16.1	13.3			
27	14.4	14.4	16.1	15.0	16.1	16.7	16.1	19.4	19.4	18.3	16.1	13.3			
28	14.4	14.4	16.1	16.1	16.7	16.7	15.6	19.4	18.9	18.3	16.1	13.3			
29	14.4		16.7	16.1	17.2	16.7	16.1	20.0	18.3	18.3	15.6	13.3			
30	15.0		16.1	16.1	17.8	16.7	16.7	19.4	18.3	18.3	15.6	13.3			
31	14.4		14.4		18.3		17.2	19.4		18.3		12.8			
1-10 MEANS	14.92	14.78	14.55	15.68	15.68	17.90	16.51	18.61	18.71	19.26	17.84	14.34			
SAMPLE SIZE	8	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	14.76	13.38	15.17	15.87	17.78	17.67	16.90	18.66	18.93	18.38	16.34	13.04			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	14.62	14.85	16.06	15.56	16.56	16.41	16.18	19.52	18.98	18.17	15.74	13.02			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	14.75	14.30	15.29	15.70	16.67	17.33	16.52	18.95	18.87	18.59	16.64	13.45	16.42		
SAMPLE SIZE	29	28	31	30	31	30	31	31	30	31	30	31			
MAXIMUM VALUE	15.6	15.6	16.7	17.2	18.3	18.3	17.8	20.6	20.0	20.0	18.3	15.1		20.6	
MINIMUM VALUE	14.4	11.7	13.9	13.9	14.4	15.6	15.6	18.7	17.8	17.8	15.0	12.2			11.7
RANGE	1.2	3.9	2.8	3.3	3.9	2.7	2.2	3.9	2.2	2.2	3.3	3.9			
STANDARD DEV.	.38	.93	.88	.74	1.15	.79	.63	.95	.61	.63	.99	1.02			

VENTURA SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1		33.11	14.22	22.90		32.79	33.32	33.11	33.20	33.19	33.38	33.22			
2		33.14	12.73	25.13	32.17	33.00	33.27	33.23	33.24	33.18	33.18	33.25			
3		33.26	19.18	26.91	32.51	33.17	33.28	33.20	33.20	32.97	33.23	32.96			
4		33.29	19.77	24.54	32.76	33.19	33.30	33.15	33.16	32.97	33.20	32.96			
5	31.41	27.29	19.30	28.28	32.87	33.25	33.29	33.18	31.30	32.90	33.20	33.11			
6	26.83	28.40	21.78		32.86	33.08	33.29	33.05	31.31	32.78	32.96	33.30			
7	31.65	33.40	26.38	30.81	32.79	32.65	33.42	33.20	31.68	32.82	32.99	33.07			
8	32.90	28.15	27.31	31.52	32.90	32.70	33.23	33.15	32.18	33.07	33.05	33.01			
9	33.13	18.39	29.04	31.54	32.78	32.60	33.22	33.11	32.53	33.06	32.70	33.17			
10	28.66	18.40	28.68	31.04	32.66	33.10	33.22	29.57	32.80	33.25	32.89	33.16			
11	31.93	21.03	29.23	30.71	32.68	32.82	33.24	31.90	32.84	33.11	32.90	32.90			
12	32.21	25.20	29.71	30.29	32.76	32.92	33.18	32.22	32.91	32.83	32.89	33.25			
13	32.57	15.34	29.88	29.87	32.74	32.86	33.05	32.30	33.20	33.00		33.39			
14	32.67	27.81	30.40	29.75	32.76	32.92	32.88	32.79	33.18	33.13	32.74	33.14			
15	23.09	27.20	29.94	19.27	32.75	32.94	32.67	32.66	33.22	33.19	33.05	33.13			
16	30.60	29.55	30.59	25.42	32.79	32.82	32.99	32.90	33.15	32.88	33.17	33.03			
17	24.09	30.68	31.62	23.88	32.40	32.72	33.10	33.08	33.20	33.04	33.15	33.03			
18	29.39	30.78	31.78	25.53	32.46	32.98	33.11	32.91	32.97	33.14	33.13	31.84			
19	22.52	31.33	30.97	26.84	32.35	33.05	33.20	33.08	32.92	33.15	33.13	31.94			
20	30.81	31.99	30.91	27.79	32.97	32.95	33.12	33.23	33.35	33.14	32.88	31.70			
21	31.54	32.02	27.54	29.02	32.90	32.97	33.15	33.32	32.91	33.11	32.31	31.78			
22	32.74	32.37	21.44	29.35	32.91	33.06	33.23	33.24	32.11	32.99	31.32	32.44			
23	32.88	32.16	22.70	30.91	32.91	33.03	33.35	32.92	31.95	33.05	31.32	32.56			
24	32.83	32.32	26.41	30.93	32.76	32.88	33.34	32.92	32.04	32.76	32.46	32.88			
25	32.76	32.18	28.06		32.78	32.93	33.12	32.69	33.16	32.89	32.83	32.72			
26	32.82	32.38	30.71	30.76	32.81	33.04	32.96	33.04	32.94	32.52	32.83	32.79			
27	32.84	31.07	31.21	31.21	32.85	32.85	32.85	32.99	32.93		32.91	32.77			
28	32.87	32.36	31.35	31.27	32.88	32.94	32.52	32.88	32.93	32.49	32.98	32.95			
29	32.91		30.87	31.59	32.92	33.02	32.46	33.11	32.98	33.02	33.19	33.16			
30	32.89		31.06	31.80	33.00	33.02	33.01	33.04	33.25	33.30	33.23	33.18			
31	33.05		22.02		32.82		33.03	27.51		33.34		33.19			
1-10 MEANS	30.76	28.68	21.84	28.07	32.70	32.95	33.28	32.79	32.46	33.02	33.08	33.12			
SAMPLE SIZE	6	10	10	9	9	10	10	10	10	10	10	10			
11-20 MEANS	28.99	27.09	30.50	26.93	32.67	32.90	33.05	32.71	33.09	33.06	33.00	32.74			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	9	10			
21-31 MEANS	32.74	32.11	27.58	30.76	32.87	32.97	33.00	32.51	32.72	32.95	32.54	32.77			
SAMPLE SIZE	11	8	11	9	11	10	11	11	10	10	10	11			
MONTHLY MEANS	30.91	29.09	26.67	28.53	32.75	32.94	33.11	32.67	32.76	33.01	32.87	32.87	31.51		
SAMPLE SIZE	27	28	31	28	30	30	31	31	30	30	29	31			
MAXIMUM VALUE	33.13	33.40	31.78	31.80	33.00	33.25	33.42	33.32	33.35	33.34	33.38	33.39		33.42	
MINIMUM VALUE	22.52	15.34	12.73	19.27	32.17	32.60	32.46	27.51	31.30	32.49	31.32	31.70			12.73
RANGE	10.61	18.06	19.05	12.53	.83	.65	.96	5.81	2.05	.85	2.06	1.69			
STANDARD DEV.	3.	5.04	5.35	3.24	.19	.15	.23	1.18	.59	.20	.49	.46			

POINT DUME TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	16.2	14.7	14.7	15.3	15.2	16.6	15.5	17.2	17.2	18.3	17.2	15.6			
2	16.2	14.1	14.6	15.5	15.2	16.5	15.5	17.2	17.8	20.6	17.2	15.6			
3	15.5	14.4	14.6	15.5	15.5	16.5	15.5	17.2	17.8	20.0	17.8	15.0			
4	15.5	14.4	14.9	15.5	15.5	16.5	15.5	17.2	17.8	19.4	17.8	14.8			
5	15.5	14.4	14.9	15.5	14.3	16.5	15.5	17.2	17.8	19.4	17.8	15.0			
6	15.5	14.5	14.8	15.1	15.3	16.5	15.5	16.6	17.8	19.4	17.7	14.4			
7	15.7	14.5	14.8	15.4	15.3	16.5	15.5	16.0	16.6	18.9	16.9	14.4			
8	15.7	14.5	14.8	15.4	15.5	16.5	15.5	16.0	16.6	18.9	16.4	14.4			
9	15.8	14.2	14.8	15.4	15.4	16.6	15.5	16.1	16.8	20.0	16.4	13.3			
10	16.1	14.2	14.8	15.3	16.1	16.6	15.5	16.8	16.8	18.8	16.4	14.0			
11	15.2	14.2	14.8	15.3	16.0	16.6	15.5	16.9	16.8	18.8	16.4	14.1			
12	15.0	14.2	14.8	15.3	16.0	16.3	15.5	16.9	16.8	18.8	16.4	14.1			
13	15.2	14.2	14.1	15.3	16.1	16.3	15.5	17.2	16.8	18.8	15.9	13.3			
14	15.2	14.2	14.1	15.3	16.1	16.3	15.5	18.3	16.8	18.8	16.1	13.8			
15	15.2	13.5	14.1	15.3	16.1	16.4	15.7	18.3	16.8	18.8	15.5	13.8			
16	15.2	13.7	14.1	15.0	16.0	16.0	15.7	16.6	18.3	17.9	15.5	13.8			
17	14.9	13.7	14.1	15.0	16.1	15.5	15.7	16.6	18.3	17.9	15.5	13.8			
18	14.9	13.7	14.1	15.2	15.0	16.1	15.7	16.0	18.3	17.9	15.5	13.8			
19	14.4	14.4	14.1	15.2	15.0	15.0	16.1	16.4	18.3	17.8	15.5	13.4			
20	14.8	15.3	14.8	14.4	15.0	16.0	16.1	16.4	15.0	17.8	15.5	13.0			
21	14.8	15.5	14.8	13.9	14.9	16.1	16.1	16.0	15.0	17.8	15.5	13.3			
22	14.9	15.3	14.8	13.9	15.0	16.0	15.5	16.6	18.3	17.8	15.5	13.3			
23	15.5	15.0	14.6	14.4	15.0	15.6	14.4	16.6	18.3	17.8	15.5	13.3			
24	14.9	15.0	14.6	14.6	15.0	16.6	14.3	16.6	18.3	17.8	15.6	13.3			
25	14.9	14.8	14.9	14.6	14.2	16.6	13.4	16.7	18.9	17.8	15.6	13.4			
26	14.5	14.7	14.9	14.1	12.5	15.5	14.4	16.6	18.9	17.8	15.5	13.9			
27	14.5	14.7	15.0	13.3	12.7	15.5	14.6	16.7	18.9	17.8	15.5	13.4			
28	14.4	14.7	15.2	13.5	13.3	13.3	14.6	17.2	18.3	17.8	15.8	13.3			
29	15.0		15.2	13.5	14.4	14.0	14.6	17.2		17.8	15.0	13.3			
30	15.0		15.3	13.5	14.4	13.8	15.2	17.0		17.8	15.5	13.3			
31	14.6		15.3		14.4		15.5	16.4		17.7		13.4			
1-10 MEANS	15.77	14.39	14.77	15.39	15.33	16.53	15.50	16.75	17.30	19.37	17.16	14.65			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	15.00	14.11	14.31	15.13	15.74	16.05	15.70	16.96	17.22	18.33	15.78	13.69			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	14.82	14.96	14.96	13.93	14.16	15.30	14.78	16.69	18.11	17.79	15.50	13.38			
SAMPLE SIZE	11	8	11	10	11	10	11	11	8	11	10	11			
MONTHLY MEANS	15.18	14.45	14.69	14.82	15.05	15.96	15.31	16.80	17.50	18.47	16.15	13.89	15.69		
SAMPLE SIZE	31	28	31	30	31	30	31	31	28	31	30	31			
MAXIMUM VALUE	16.2	15.5	15.3	15.5	16.1	16.6	16.1	18.3	18.9	20.6	17.8	15.6		20.6	
MINIMUM VALUE	14.4	13.5	14.1	13.3	12.5	13.3	13.4	16.0	15.0	17.7	15.0	13.0			12.5
RANGE	1.8	2.0	1.2	2.2	3.6	3.3	2.7	2.3	3.9	2.9	2.8	2.6			
STANDARD DEV.	.50	.50	.37	.72	.95	.88	.60	.57	1.04	.81	.85	.71			

SANTA MONICA TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	15.5	15.8	15.2	16.7	15.0	17.8	16.7	18.3	20.8	22.8	18.6	16.1			
2	15.8	15.5		16.1	14.4	17.2	16.4	18.9	20.0	21.7	18.1	15.6			
3	15.8	15.8		16.1	15.8	16.7	16.7	19.4	20.8	21.1	17.8	15.0			
4	15.8	15.5		16.7	16.1	17.8	18.9	19.2	20.3	21.1	17.8	14.7			
5	15.8	15.5		15.6	16.4	17.5	18.3	19.7	19.7	20.6	17.8	14.7			
6	15.8	15.8		15.8	16.4	17.8	18.3	20.0	19.7	20.0	18.3	14.2			
7	16.1	16.1		15.6	15.8	17.8	18.9	19.7	18.3	19.2	18.1	12.8			
8	15.8	15.8		15.0	16.9	17.5	18.9	20.0	17.2	19.7	18.3	12.5			
9	15.8	15.5		14.4	17.5	17.8	18.3	19.4	18.9	19.7	18.3	12.2			
10	15.8	15.5		15.6	17.5	17.5	17.2	19.4	18.6	18.9	18.9	12.5			
11		15.2	15.6	16.4	17.8	16.9	17.2	18.9	18.3	19.7	18.1	13.3			
12	16.1	15.2	15.3	16.4	17.5	18.3	17.8	18.6	20.0	19.4	17.2	13.3			
13	15.8		15.0	16.1	18.3	17.5	18.3	18.1	20.3	20.6	17.2	13.3			
14	16.1		15.0	16.1	18.9	17.8	19.4	17.8	20.3	20.6	16.7	13.3			
15	15.8		15.6	15.8	19.4	18.3	19.4	18.9	19.7	20.0	16.7	14.2			
16	15.8		15.6	15.0	15.3	17.5	18.9	17.8	20.3	19.2	16.7	13.9			
17	15.8	14.7	15.6	14.4	15.3	17.2	18.3	17.8	20.6	19.2	16.4	14.2			
18	15.8	14.7	16.4	15.6	16.1	18.3	18.9	17.2	19.7	19.4	16.7	14.2			
19	15.8	15.2	16.4	15.3	17.2	17.8	18.3	18.3	17.2	19.7	16.4	13.9			
20	15.8		16.7	15.6	18.9	18.3	17.8	18.9	16.7	18.9	16.7	13.6			
21	15.5		16.7	15.3	17.5	17.2	18.1	17.2	18.6	17.8	16.7	13.6			
22	15.5		16.4	14.4	17.8	18.1	17.8	17.8	18.1	17.5	16.4	13.6			
23	15.2		16.4	15.0	16.7	17.2	17.5	17.8	18.3	17.2	16.1	13.6			
24	14.4		16.1	16.1	13.1	17.2	16.7	16.4	18.9	17.8	16.4	13.9			
25	15.0		16.4	16.1	13.1	17.2	15.8	16.7	19.4	18.9	16.1	13.9			
26	15.0	15.5	16.1	15.8	15.0	16.7	16.4	17.8	20.3	18.9	16.1	13.9			
27	15.2	14.7	17.2	14.7	14.4	17.2	16.7	17.5	20.6	18.6	16.1	13.9			
28	15.2	15.0	17.2	15.8	15.3	16.7	18.9	19.2	21.4	18.9	16.1	13.9			
29	15.5		17.8	16.7	16.4	16.9	17.2	20.0	21.9	18.9	16.1	13.9			
30	15.5		17.2	16.1	16.7	17.2	18.1	21.1	22.2	18.6	16.1	13.9			
31	15.8		16.7		18.1		18.9	20.8		18.3		13.6			
1-10 MEANS	15.80	15.68	15.20	15.76	16.18	17.54	17.86	19.40	19.43	20.48	18.20	14.03			
SAMPLE SIZE	10	10	1	10	10	10	10	10	10	10	10	10			
11-20 MEANS	15.87	15.00	15.72	15.67	17.47	17.79	18.43	18.23	19.31	19.67	16.88	13.72			
SAMPLE SIZE	9	5	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	15.25	15.07	16.75	15.60	15.83	17.16	17.46	18.39	19.97	18.31	16.22	13.79			
SAMPLE SIZE	11	3	11	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	15.62	15.39	16.21	15.68	16.47	17.50	17.90	18.66	19.57	19.45	17.10	13.85	16.95		
SAMPLE SIZE	30	18	22	30	31	30	31	31	30	31	30	31			
MAXIMUM VALUE	16.1	16.1	17.8	16.7	19.4	18.3	19.4	21.1	22.2	22.8	18.9	16.1		22.8	
MINIMUM VALUE	14.4	14.7	15.0	14.4	13.1	16.7	15.8	16.4	16.7	17.2	16.1	12.2			12.2
RANGE	1.7	1.4	2.8	2.3	6.3	1.6	3.6	4.7	5.5	5.6	2.8	3.9			
STANDARD DEV.	.37	.42	.78	.67	1.59	.49	.98	1.16	1.35	1.23	.91	.82			

BALBOA TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	16.1	15.5	15.0	16.6	14.6	18.1	19.5	18.6	20.0	21.5	20.1	16.6			
2	16.3	15.5	15.5	16.6	15.9	19.0	15.4	21.0	19.2	21.8	19.0	16.1			
3	16.1	15.5	15.2	16.6	16.1	18.2	16.5	19.5	18.5	22.0	18.1	15.6			
4	16.6	15.5	15.5	16.6	16.1	16.9	16.5	20.0	18.5	21.7	18.8	15.7			
5	16.1	16.1	15.6	17.2	16.8	18.2	17.5	18.1	17.1	21.1	18.2	15.0			
6	16.1	15.5	15.0	17.2	16.2	19.0	17.8	19.0	17.5	21.5	18.9	14.4			
7	16.1	15.5		16.6	15.0	19.0	18.0	19.0	18.5	20.9	19.1	13.9			
8	16.1	15.8	15.0	16.6	17.0	18.8	18.4	18.5	19.2	21.2	18.8	13.1			
9	16.3	15.8	15.6	17.2	17.1	19.8	18.6	20.0	20.2	20.8	17.9	12.7			
10	16.1	16.1	15.5	17.2	16.7	19.5	18.2	20.8	20.2	20.0	18.5	13.4			
11	16.1	15.6	15.6	17.2	17.0	19.4	17.9	20.8	20.4	19.8	16.8	12.9			
12	16.1	15.8		17.2	17.5	19.9	16.0	20.0	20.8	19.8	17.8	13.2			
13	15.7	15.5	15.6	17.2	18.9	19.1	16.0	17.6	21.2	19.9	17.9	13.2			
14	16.2	15.5	15.6	17.2	18.2	17.7	17.5	17.8	20.7	19.0	18.0	12.9			
15	16.0	15.5	15.6	16.6	18.5	17.7	17.0	17.0	20.1	18.5	17.1	13.3			
16	16.0	15.5	15.6	15.5	18.8	18.2	18.3	16.0	20.3	18.5	18.0	13.5			
17	16.0	15.6	16.1	16.6	19.0	18.0	16.5	16.1	20.6	18.2	17.2	13.9			
18	15.8	15.5	16.1	15.0	18.0	16.5	18.3	16.5	20.8	18.8	17.4	13.9			
19	16.1	15.8	16.7	15.0	17.5	15.0	20.0	17.8	19.3	18.9	17.2	13.9			
20	16.1	16.6	16.7	15.5	16.2	14.3	15.8	17.3	16.0	19.0	17.1	13.0			
21	15.5	15.5	16.1	15.5	15.1	15.0	15.2	17.9	18.2	19.2	17.1	12.7			
22	15.8	15.5	16.3	14.7	17.2	15.5	16.0	16.0	17.5	19.0	16.9	12.8			
23	16.1	15.8	16.7	15.3	17.9	15.2	18.0	17.1	20.0	17.0	17.0	13.2			
24	15.5	15.6	16.4	16.3	18.3	14.5	17.0	17.6	18.5	20.0	16.2	13.0			
25	15.5	15.1	16.1	16.1	17.5	14.5	17.8	17.5	19.5	19.1	16.8	13.2			
26	15.2	15.0	16.1	16.1	17.5	16.0	18.0	17.8	20.0	19.0	16.5	13.2			
27	15.5	14.9	17.2	14.4	18.5	17.0	18.5	18.2	21.5	18.8	16.7	13.2			
28	15.2	15.0	17.2	15.5	17.8	18.0	17.9	19.0	20.2	17.6	16.7	13.3			
29	15.4		17.2	15.6	17.8	16.5	19.2	20.0	22.0	17.8	16.6	12.2			
30	16.1			15.6	17.3	15.0	17.5	20.0	21.5	18.2	16.8	13.4			
31	15.5		17.2		18.0		19.0	20.8		19.0		13.3			
1-10 MEANS	16.19	15.68	15.32	16.84	16.15	18.65	17.64	19.45	18.89	21.25	18.74	14.65			
SAMPLE SIZE	10	10	9	10	10	10	10	10	10	10	10	10			
11-20 MEANS	16.01	15.69	15.96	16.30	17.96	17.58	17.33	17.69	20.02	19.04	17.45	13.37			
SAMPLE SIZE	10	10	9	10	10	10	10	10	10	10	10	10			
21-31 MEANS	15.57	15.30	16.65	15.51	17.54	15.72	17.65	18.35	19.89	18.61	16.73	13.05			
SAMPLE SIZE	11	8	10	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	15.91	15.57	16.00	16.22	17.23	17.32	17.54	18.49	19.60	19.60	17.64	13.67	17.07		
SAMPLE SIZE	31	28	28	30	31	30	31	31	30	31	30	31			
MAXIMUM VALUE	16.6	16.6	17.2	17.2	19.0	19.9	20.0	21.0	22.0	22.0	20.1	16.6		22.0	
MINIMUM VALUE	15.2	14.9	15.0	14.4	14.6	14.3	15.2	16.0	16.0	17.0	16.2	12.2			12.2
RANGE	1.4	1.7	2.2	2.8	4.4	5.6	4.8	5.0	6.0	5.0	3.9	4.4			
STANDARD DEV.	.34	.35	.69	.85	1.15	1.78	1.21	1.50	1.42	1.35	.96	1.06			

BALBOA SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.44	33.18	32.95	33.02	33.33	33.51	33.54	33.46	33.52	33.55	33.51	33.38			
2	33.43	33.27	30.65	32.92	33.40	33.52	33.64	33.64	33.50	33.56	33.65	33.31			
3	33.16			33.08	33.56	33.54	33.53	33.55	33.48	33.58	33.46	33.52			
4	33.18		32.78	33.25	33.38	33.56	33.56		33.44	33.54	33.39	33.31			
5	32.78	32.76	32.81	33.12	33.39	33.54	33.54	33.48	33.15	33.50	33.39				
6	32.75	32.82	32.80	32.80	33.39	33.56	33.63	33.43	33.21		33.49	33.46			
7	33.25	32.79	30.79	32.84	33.44	33.54	33.57	33.47	33.30	33.52	33.47	33.35			
8	33.32	32.93	32.10	32.87	33.57	33.53	33.61	33.45	33.26	33.75	33.60	33.44			
9	33.10	32.59	32.09	32.87	33.42	33.55	33.56	33.43	33.35	33.54	33.46	33.39			
10	33.11	31.92	32.29	33.06	33.46	33.57	33.63	33.57	33.46	33.51	33.41	33.54			
11	33.26	31.55	28.15	33.02	33.42	33.54	33.54	33.47	33.44	33.47	33.51	33.39			
12	33.24		31.01	33.05	33.42	33.60	33.58	33.48	33.40	33.44	33.46	33.38			
13	33.31	32.40	32.09	33.14	33.45	33.59	33.53	33.62	33.42	33.44	33.48	33.40			
14	33.32	32.83	31.86	33.06	33.43	33.56	33.53	33.46	33.42	33.53	33.34	33.59			
15	32.95	32.43	29.96	31.94	33.43	33.54	33.72	33.54	33.46	33.46	33.41	33.40			
16	32.43	31.09	29.88	33.16	33.45	33.53	33.55	33.47	33.46	33.54	33.45	33.38			
17	32.78	31.30	32.13	33.19	33.47	33.55	33.54	33.45	33.47	33.45	33.42	33.22			
18	32.80	31.30	32.12	32.66	33.46	33.52	33.52	33.46	33.49	33.48	33.38	33.22			
19	32.26	31.70	32.45	32.81	33.50	33.52	33.51	33.46	33.48	33.46	33.39	33.28			
20	32.38	32.47	32.68	32.09	33.48	33.52	33.49	33.45	33.47	33.53	33.48	33.46			
21	32.84	32.42	32.87	32.22	33.48	33.52	33.58		33.47	33.46	33.45	33.33			
22	32.94	32.48	32.88	33.20	33.51	33.55	33.47		33.46	33.46	33.39	33.28			
23	32.99	32.64	32.59	32.54	33.46	33.53	33.61	33.41	33.46	33.38	33.34	33.25			
24	33.22	32.66	32.84	33.16	33.53	33.63	33.49	33.46	33.49	33.52	33.37	33.23			
25	33.08	33.30	32.96	32.86	33.54	33.55	33.45	33.45	33.44	33.52	33.35	33.40			
26	33.06	33.21	33.09	32.85	33.51	33.52	33.51	33.48	33.49	33.48	33.38	33.30			
27	32.17	32.94	32.92	33.18	33.54	33.52	33.66	33.48	33.59	33.43	33.38	33.25			
28	33.18	32.94	32.92	33.18	33.51	33.70	33.54	33.46	33.48	33.41	33.62	33.29			
29	33.19		32.88	33.39	33.69	33.53			33.49	33.40	33.37	33.37			
30	33.13		32.87	33.38	33.49	33.54	33.46	33.47	33.50		33.39	33.34			
31	33.13		32.93		33.49		33.55	33.46		33.54		33.33			
1-10 MEANS	33.15	32.78	32.14	32.98	33.43	33.54	33.58	33.50	33.37	33.56	33.48	33.41			
SAMPLE SIZE	10	8	9	10	10	10	10	9	10	9	10	9			
11-20 MEANS	32.87	31.90	31.23	32.81	33.45	33.55	33.55	33.49	33.45	33.48	33.43	33.37			
SAMPLE SIZE	10	9	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	33.08	32.82	32.89	33.00	33.52	33.56	33.53	33.46	33.49	33.46	33.40	33.31			
SAMPLE SIZE	11	8	11	10	11	10	10	8	10	10	10	11			
MONTHLY MEANS	33.04	32.48	32.11	32.93	33.47	33.55	33.55	33.48	33.44	33.50	33.44	33.36	33.20		
SAMPLE SIZE	31	25	30	30	31	30	30	27	30	29	30	30			
MAXIMUM VALUE	33.44	33.30	33.09	33.39	33.69	33.70	33.72	33.64	33.59	33.75	33.65	33.59		33.75	
MINIMUM VALUE	32.26	31.09	28.15	31.94	33.33	33.51	33.45	33.41	33.15	33.38	33.34	33.22			28.15
RANGE	1.18	2.21	4.94	1.45	.36	.19	.27	.23	.44	.37	.31	.37			
STANDARD DEV.	.29	.64	1.17	.35	.07	.04	.06	.05	.09	.07	.08	.09			

SAN CLEMENTE TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	16.2	15.0	15.0	17.6	16.8	18.0	16.5	19.5	20.9	21.4	19.0	16.1			
2	16.0	15.2	15.2	17.6	16.0	18.4	15.5	20.2	21.0	21.7	19.0	16.0			
3	15.8	15.1	15.2	17.6	16.8	18.1	16.1	20.0	18.0	21.9	19.0	15.0			
4	16.0	15.5	16.0	17.7	17.0	16.8	17.0	19.8	18.4	21.3	18.5	15.2			
5	15.6	15.6	16.3	17.4	16.8	18.2	17.1	19.0	17.9	21.3	18.3	15.0			
6	16.0	15.8	16.0	17.5	17.3	18.2	17.3	18.0	19.0	20.5	18.5	13.0			
7	16.0	16.2	15.7	16.9	16.5	18.8	18.2	19.7	19.5	20.6	18.6	13.1			
8	16.1	16.0	16.5	16.0	16.9	19.0	18.0	20.2	19.8	20.9	18.3	12.3			
9	16.0	16.0	16.2	16.0	16.3	19.0	17.8	21.0	20.5	21.0	18.9	13.0			
10	15.3	16.0	15.5	17.0	16.9	19.4	18.0	20.0	20.5	19.8	18.0	13.0			
11	16.0	14.8	16.3	16.8	17.1	19.5	19.0		20.5	17.5	16.0	13.6			
12	15.5	14.2	16.0	16.8	17.9	20.3	18.1	19.4	20.5	18.8	16.5	13.5			
13	16.0	14.9	16.1	17.0	18.4	20.0	16.6	20.0	20.5	18.5	16.8	14.0			
14	16.0	15.3	16.4	17.0	18.3	18.7	18.0	18.2	19.9	19.0	17.0	13.0			
15	15.9	14.4	16.0	15.5	19.0	18.5	18.2	19.3	20.0	18.2	18.0	13.2			
16	15.2	14.5	16.5	17.1	18.6	18.0	19.7	17.5	19.8	17.8	17.5	13.8			
17	16.0	15.0	16.8	16.9	19.5	17.8	19.7	17.5	19.6	19.0	17.0	13.8			
18	15.5	15.5	16.5	16.5	17.8	15.5	20.0	17.5	20.4	19.8	17.3	14.0			
19	15.5	15.0	16.8	16.0	18.3	14.5	19.1	17.5	20.0	19.3	17.3	13.4			
20	15.5	15.0	17.1	16.2	18.4	15.0	17.0	18.0	19.7	19.2	17.0	14.0			
21	15.4	14.9	17.4	15.5	18.0	15.5	16.0	18.0	19.2	18.2	17.0	13.8			
22	15.4	15.0	17.8	14.0	17.8	16.0	17.1	17.0	19.0	19.2	16.5	13.9			
23	15.0	16.3	17.8	14.8	18.9	15.7	17.7	17.8	18.3	18.8	16.6	13.9			
24	14.2	15.9	17.0	15.0	16.7	14.9	16.8	18.5	19.0	18.9	16.1	13.9			
25	14.9	14.8	17.5	14.7	16.7	15.5	17.0	18.0	19.4	18.9	16.0	13.1			
26	14.9	14.8	17.6	14.8	17.0	16.2	17.2	18.8	19.1	19.2	16.3	14.0			
27	14.9	14.5	17.7	14.5	17.8	17.0	18.0	19.0	20.0	18.8	16.5	13.8			
28	14.7	15.4	17.3	15.4	16.9	17.7	18.3	19.7	20.8	18.3	17.0	13.8			
29	14.9		17.8	16.7	16.3	16.5	19.7	20.7	21.0	18.5	16.0	13.8			
30	15.8		17.0	16.8	17.3	14.2	18.5	21.0	21.9	17.2	16.0	14.8			
31	15.8		17.8		17.9		19.2	21.0		18.9		13.5			
1-10 MEANS	15.90	15.64	15.76	17.13	16.73	18.39	17.15	19.74	19.55	21.04	18.61	14.17			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	15.71	14.86	16.45	16.58	18.33	17.78	18.54	18.32	20.09	18.71	17.04	13.63			
SAMPLE SIZE	10	10	10	10	10	10	10	9	10	10	10	10			
21-31 MEANS	15.08	15.20	17.52	15.22	17.39	15.92	17.77	19.05	19.77	18.63	16.40	13.85			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	15.55	15.24	16.61	16.31	17.48	17.36	17.82	19.06	19.80	19.43	17.35	13.88	17.16		
SAMPLE SIZE	31	28	31	30	31	30	31	30	30	31	30	31			
MAXIMUM VALUE	16.2	16.3	17.8	17.7	19.5	20.3	20.0	21.0	21.9	21.9	19.0	16.1		21.9	
MINIMUM VALUE	14.2	14.2	15.0	14.0	16.0	14.2	15.5	17.0	17.9	17.2	16.0	12.3			12.3
RANGE	2.0	2.1	2.8	3.7	3.5	6.1	4.5	4.0	4.0	4.7	3.0	3.8			
STANDARD DEV.	.50	.57	.84	1.07	.89	1.73	1.17	1.21	.96	1.28	1.03	.87			

SAN CLEMENTE SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.44	33.26	19.15	32.83	33.06	33.46	33.60	33.85	33.63	33.62	33.52	33.43			
2	33.49	33.26	30.97	33.00	33.28	33.49	33.63	33.55	33.52	33.57	33.54	33.36			
3	33.77	33.33	32.40	33.22	33.34	33.52	33.93	33.52	33.50	33.60	33.50	33.44			
4	33.40	33.28	32.59	32.98	33.25	33.49	33.54	33.53	33.50	33.71	33.59	33.47			
5	33.27	33.10	31.56	32.99	33.62	33.50	33.53	33.49	33.47	33.56	33.48	33.73			
6	33.05	33.04	32.92	33.23	33.22	33.52	33.66	33.46	33.18	33.76	33.49	33.41			
7	33.36	33.02	32.68	32.71	33.36	33.50	33.54	34.11	33.35	33.76	33.54	33.42			
8	33.28	32.79	32.89	33.12	33.36	33.49	33.57	33.66	33.40	33.57	33.44	33.43			
9	33.32	32.53	33.12	33.15	33.41	33.53	33.63	33.53	33.43	33.66	33.46	33.51			
10	32.97	26.14	32.62	33.13	33.54	33.53	34.04	33.60	33.48	33.50	33.47	33.59			
11	32.97	31.50	32.71	33.10	33.41	33.99	33.59	33.75	33.50	33.45	33.46	33.40			
12	33.11	33.18	31.96	33.15		33.66	33.57	33.61	33.58	33.49	33.54	33.43			
13	33.19	32.86	32.53	32.65	33.43	33.84	33.58	33.53	33.50	33.46	33.59	33.61			
14	33.16	32.79	32.63	33.01	33.41	33.56	33.55	33.51	33.53	33.69	33.44	33.36			
15	32.45	32.91	32.64	33.08	33.34	33.55	33.55	33.52	33.53	33.42	33.69	33.41			
16	32.88	32.88	33.15	33.06	33.46	33.71	33.53	33.51	33.59	33.42	33.47	33.47			
17	32.57	33.12	33.03	33.49	33.41	33.70	33.57	33.74	33.61	33.51	33.45	33.34			
18	32.73	33.21	32.28	33.21	33.49	33.52	33.58	33.48	33.58	33.72	33.50	32.83			
19	32.20	33.31	32.49	33.27	33.49	33.53	33.96	33.47	33.56	33.46	33.50	32.96			
20	32.64	33.21	32.65	33.19	33.57	33.54	33.57	33.69	33.55	33.57	33.44	33.23			
21	33.34	33.10	32.67	33.22	33.49	33.65	33.49	33.50	33.64	33.52	33.68	33.29			
22	34.14	33.16	31.79	33.31	33.50	33.52	33.86	33.52	33.59	33.48	33.39	33.36			
23	33.00	33.13	32.81	33.35	33.72	33.90	33.49	33.52	33.55	33.48	33.41	33.28			
24	33.16	33.02	32.88	33.30	33.56	33.53	33.46	33.48	33.57	33.51	33.42	33.24			
25	33.19	33.14	32.90	33.41	33.77	33.65	33.48	33.73	33.54	33.49	33.32	33.26			
26	33.22	33.37	33.02	33.37	33.52	33.49	33.69	33.53	33.56	33.51	33.42	33.26			
27	33.26	33.24	33.00	33.38	33.45	33.54	33.57	33.56	33.56	33.46	33.40				
28	33.23	32.89	32.90	33.46	33.48	34.04	33.51	33.59	33.52	33.39	33.39	33.34			
29	33.23		33.17	33.30	33.51	33.56	33.53		33.58	33.43	33.37	33.29			
30	33.48		32.91	33.24	33.51	33.57	33.49	33.56	33.69	33.43	33.42	33.39			
31	33.24		32.70		33.45		33.66	33.62		33.56		33.34			
1-10 MEANS	33.33	32.38	31.09	33.04	33.34	33.50	33.67	33.63	33.45	33.63	33.50	33.48			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	32.79	32.90	32.61	33.12	33.45	33.66	33.61	33.58	33.55	33.52	33.51	33.30			
SAMPLE SIZE	10	10	10	10	9	10	10	10	10	10	10	10			
21-31 MEANS	33.32	33.13	32.80	33.33	33.54	33.65	33.57	33.56	33.58	33.48	33.42	33.31			
SAMPLE SIZE	11	8	11	10	11	10	11	10	10	11	10	10			
MONTHLY MEANS	33.15	32.78	32.18	33.16	33.45	33.60	33.61	33.59	33.53	33.54	33.48	33.36	33.29		
SAMPLE SIZE	31	28	31	30	30	30	31	30	30	31	30	30			
MAXIMUM VALUE	34.14	33.37	33.17	33.49	33.77	34.04	34.04	34.11	33.69	33.76	33.69	33.73		34.14	
MINIMUM VALUE	32.20	26.14	19.15	32.65	33.06	33.46	33.46	33.46	33.18	33.39	33.32	32.83			19.15
RANGE	1.94	7.23	14.02	.84	.71	.58	.58	.65	.51	.37	.37	.90			
STANDARD DEV.	.38	1.35	2.47	.20	.14	.15	.14	.14	.10	.10	.08	.17			

SCRIPPS PIER SURFACE TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	16.3	15.5	15.1	17.0	15.8	18.2	16.5	20.0	22.0	21.5	18.2	15.3			
2	16.3	15.6	15.2	16.4	15.1	17.7	17.6	19.3	21.6	21.9	18.4	15.0			
3	15.8	15.6	15.1	16.9	15.5	18.1	17.4	21.0	21.2	21.6	17.9	15.0			
4	15.8	15.6	15.7	17.4	14.7	19.0	17.2	21.2	21.5	21.1	18.2	15.2			
5	16.2	15.4	15.6	16.6	15.7	18.5	17.7	22.0	21.2	20.9	18.4	14.9			
6	16.2	15.6	15.4	17.3	16.1	18.9	19.0	20.0	20.0	19.5	18.1	13.9			
7	16.2	15.5	15.9	16.4	16.4	19.2	19.3	20.8	20.0	19.6	17.9	13.5			
8	16.3	15.6	15.8	16.1	17.7	18.7	19.5	21.7	19.4	20.0	17.5	12.2			
9	16.0	15.7	15.8	15.9	19.5	18.3	19.4	21.0	19.4	18.9	18.0	12.8			
10	16.0	15.3	15.6	16.5	17.6	18.0	19.7	22.1	20.0	19.4	17.8	13.4			
11	15.6	15.3	15.2	16.9	17.2	18.7	19.4	22.5	20.5	19.0	17.2	13.6			
12	15.8		15.2	17.2	17.4	19.6	19.7	21.7	20.1	18.8	17.2	13.4			
13	15.8	15.4	15.7	17.0	17.5	20.1	20.0	20.6	20.0	18.5	16.5	13.4			
14	16.1	15.2	16.1	16.9	19.1	19.1	19.6	21.0	20.3	20.6	17.0	13.3			
15	16.0	15.2	17.0	16.9	19.2	19.8	21.0	19.4	20.1	17.0	17.0	13.4			
16	15.7	15.3	16.6	16.2	19.4	19.8	19.4	18.8	20.3	16.7	16.8	12.8			
17	16.1	15.3	16.6	16.5	18.1	19.7	17.4	18.0	20.3	17.2	16.6	14.6			
18	16.1	14.7	16.7	17.2	18.2	19.0	18.7	18.6	19.7	17.9	16.7	13.5			
19	16.2	14.9	16.6	16.9	17.8	19.3	19.9	19.5	19.7	16.8	16.6	13.4			
20	16.2	15.2	16.9	15.9	19.2	20.5	19.1	20.8	20.0	18.0	16.4	13.2			
21	15.8	15.4	16.8	15.6	19.1	19.9	18.0	21.0	20.1	16.9	16.7	13.2			
22	16.0	15.5	16.8	15.0	19.1	19.0	18.1	21.2	19.2	17.8	15.7	13.0			
23	15.4	15.6	16.6	16.4	16.8	17.5	19.8	21.3	19.4	17.1	16.3	12.8			
24	15.4	15.7	16.3	16.4	16.1	16.1	21.0	19.2	21.6	17.1	15.0	14.5			
25	15.5	15.5	16.4	17.0	17.0	12.7	20.6	20.8	19.0	18.5	15.7	14.2			
26	15.5	15.4	16.8	16.1	17.2	15.3	19.0	19.8	18.9	18.5	16.1	13.5			
27	15.7	15.5	16.9	16.4	18.3	17.2	18.0	21.0	21.0	18.0	15.8	14.3			
28	15.5	15.3	17.6	15.6	19.5	17.5	17.5	20.5	21.0	18.5	15.5	14.2			
29	15.7		17.4	16.3	18.8	16.7	19.0	20.8	21.8	17.2	15.6	14.4			
30	15.7		17.3	15.6	18.0	15.8	17.7	21.2	22.1	17.8	15.5	13.5			
31	15.5		16.9		17.2		18.5	21.6		18.5					
1-10 MEANS	16.11	15.54	15.52	16.65	16.41	18.46	18.33	20.91	20.63	20.44	18.04	14.12			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	15.96	15.17	16.26	16.76	18.31	19.56	19.42	20.09	20.10	18.05	16.80	13.46			
SAMPLE SIZE	10	9	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	15.61	15.49	16.89	16.04	17.92	16.77	18.84	20.76	20.41	17.81	15.79	13.76			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	10			
MONTHLY MEANS	15.88	15.40	16.25	16.48	17.56	18.26	18.86	20.59	20.38	18.74	16.88	13.78	17.42		
SAMPLE SIZE	31	27	31	30	31	30	31	31	30	31	30	30			
MAXIMUM VALUE	16.3	15.7	17.6	17.4	19.5	20.5	21.0	22.5	22.1	21.9	18.4	15.3		22.5	
MINIMUM VALUE	15.4	14.7	15.1	15.0	14.7	12.7	16.5	18.0	18.9	16.7	15.0	12.2			12.2
RANGE	.9	1.0	2.5	2.4	4.8	7.8	4.5	4.5	3.2	5.2	3.4	3.1			
STANDARD DEV.	.29	.23	.74	.58	1.40	1.66	1.15	1.09	.91	1.54	1.00	.80			

SCRIPPS PIER SURFACE SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.47	33.16	33.11	32.98	33.38	33.66		33.59	33.73	33.63	33.51				
2	33.47	33.19	33.10	33.03	33.49	33.60	33.61	33.68	33.72	33.58	33.64	33.43			
3	33.53	33.23	32.94	33.06	33.48	33.67	33.64	33.77	33.76	33.60	33.52	33.42			
4	33.48	33.17	32.94	33.04	33.53	33.51	33.79	33.62	33.60	33.70	33.53	33.40			
5	33.45	33.30	32.88	33.15	33.52	33.55	33.63	33.71	33.57	33.60	33.47	33.41			
6	33.36	33.28	33.11	33.00	33.59	33.58	33.63	33.55	33.64	33.58	33.46	33.44			
7	33.43	33.23	33.20	33.04	33.60	33.72	33.64	33.54	33.67	33.84	33.46	33.38			
8	33.42	33.27	33.14	33.21	33.73	33.57	33.58	33.65	33.60	33.67	33.50	33.38			
9	33.42	33.26	33.06	33.15	33.60	33.82	33.61	33.69	33.75	33.50	33.44	33.42			
10	32.95	33.28	33.08	33.12	33.61	33.66	33.64	33.60	33.72	33.62	33.48	33.45			
11	33.31	33.32	32.99	33.40	33.57	33.58	33.61	33.61	33.55	33.53	33.50	33.37			
12	33.31		33.12	33.10	33.63	33.69	33.73	33.73	33.58	33.46	33.55	33.52			
13	33.52	33.25	32.70	33.03	33.66	33.63	33.65	33.58	33.66	33.70	33.52	33.39			
14	33.32	33.25	32.57	33.32	33.58	33.66	33.65	33.73	33.52	33.52	33.22	33.41			
15	33.02	33.26	32.50	33.32	33.49	33.64	33.71	33.59	33.63	33.54	33.43	33.52			
16	33.14	33.28	32.60	33.18	33.57	33.80	33.57	33.67	33.59	33.49	33.45	33.53			
17	33.14	33.05	32.54	33.34	33.60	33.96	33.59	33.67	33.81	33.66	33.61	33.45			
18	33.19	33.18	32.75	33.18	33.62	33.56	33.63	33.56	33.62	33.50	33.49	32.98			
19	33.17	33.12	32.67	33.23	33.63	33.65	33.58	33.54	33.58	33.43	33.48	33.20			
20	33.20	33.06	32.98	33.47	33.62	33.56	33.65	33.56	33.63	33.48	33.46	33.24			
21	33.24	33.11	32.96	33.15	33.54	33.51	33.58	33.57	33.60	33.52	33.41	33.25			
22	33.17	33.11		33.57	33.57	33.60	33.57	33.65	33.67	33.48	33.45	33.27			
23	33.19	33.17		33.37	33.64	33.54	33.65	33.58	33.62	33.41	33.39	33.31			
24	33.17	33.12		33.43	33.78	33.86	33.65	33.74	33.93	33.54	33.35	33.27			
25	33.24	33.19		33.27	33.69	33.85	33.65	33.63	33.70	33.52	33.40				
26	33.31	33.33		33.37	33.67	33.70	33.60	33.77	33.52	33.45	33.37	33.43			
27	33.25	33.12		33.31	33.62	33.61	33.65	33.55	33.61	33.46	33.39	33.44			
28	33.39	33.18		33.35	33.52	33.70	33.50	33.56	33.59	33.52	33.44	33.30			
29	33.27			33.52	33.53	33.67	33.62	33.63	33.54	33.55	33.40	33.37			
30	33.20		32.95	33.45	33.72	33.71	33.54	33.58	33.59	33.43		33.42			
31	33.13		33.00		33.55		33.55	33.64		33.68					
1-10 MEANS	33.40	33.24	33.06	33.08	33.55	33.63	33.64	33.64	33.68	33.63	33.50	33.41			
SAMPLE SIZE	10	10	10	10	10	10	9	10	10	10	10	9			
11-20 MEANS	33.23	33.19	32.74	33.26	33.60	33.67	33.64	33.62	33.62	33.53	33.47	33.36			
SAMPLE SIZE	10	9	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	33.23	33.17	32.97	33.38	33.62	33.67	33.60	33.63	33.64	33.51	33.40	33.34			
SAMPLE SIZE	11	8	3	10	11	10	11	11	10	11	9	9			
MONTHLY MEANS	33.29	33.20	32.91	33.24	33.59	33.66	33.62	33.63	33.64	33.55	33.46	33.37	33.43		
SAMPLE SIZE	31	27	23	30	31	30	30	31	30	31	29	28			
MAXIMUM VALUE	33.53	33.33	33.20	33.57	33.78	33.96	33.79	33.77	33.93	33.84	33.64	33.53		33.96	
MINIMUM VALUE	32.95	33.05	32.50	32.98	33.38	33.51	33.50	33.54	33.52	33.41	33.22	32.98			32.50
RANGE	.58	.28	.70	.59	.40	.45	.29	.23	.41	.43	.42	.55			
STANDARD DEV.	.15	.08	.22	.17	.08	.11	.06	.07	.09	.10	.08	.11			

SCRIPPS PIER BOTTOM TEMPERATURE YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	16.3	15.7	15.1	17.1	15.8	18.5	16.1	19.0	21.6	22.1	18.5	15.3			
2	16.3	15.6	15.3	17.4	15.2	18.4	17.3	14.0	21.6	21.7	18.4	15.1			
3	15.9	15.7	15.1	17.7	15.5	17.6	18.4	19.2	20.6	21.5	18.3	14.3			
4	15.9	15.5	15.5	17.4	14.7	19.0	17.4	20.3	21.5	20.9	16.7	15.1			
5	16.0	15.4	15.8	17.1	15.7	16.4	17.6	20.0	21.5	16.3	17.7	14.9			
6	16.1	15.4	15.8	17.2	16.4	18.8	18.7	16.0	20.0	15.6	17.9	13.3			
7	16.2	15.6	15.9	17.1	16.5	19.1	17.6	17.2	19.8	18.1	17.9	13.3			
8	16.3	15.5	15.7	16.1	17.5	18.7	19.4	21.0	19.4	18.2	18.1	12.8			
9	16.0	15.8	15.7	16.4	18.7	18.6	19.4	20.8	19.5	16.9	18.0	12.8			
10	15.9	15.8	15.8	17.7	17.9	18.3	19.2	20.8	19.4	19.1	17.9	13.4			
11	16.1	15.5	15.7	17.0	16.7	18.7	19.8	22.0	20.4	18.9	17.5	13.3			
12	16.0		15.2	17.2	16.7	19.8	22.0	22.0	20.1	18.8	17.7	13.5			
13	16.0	15.4	15.7	17.0	17.9	15.4	20.0	21.7	20.3	17.8	17.5	13.4			
14	16.1	15.4	16.1	17.2	19.5	18.3	17.4	21.0	20.3	17.2	17.2	13.3			
15	16.0	15.2	16.5	17.1	19.4	20.0	20.3	18.2	20.5	15.0	17.2	13.9			
16	15.4	15.4	16.3	16.9	19.9	20.1	18.8	17.8	20.4	15.6	16.5	13.9			
17	16.2	15.4	16.2	17.1	18.1	19.4	17.5	13.7	20.4	17.2	17.2	14.6			
18	16.0	15.2	16.5	17.7	16.6	19.0	18.6	18.8	20.0	17.2	16.9	13.4			
19	16.1	15.3	16.6	16.8	17.5	19.1	19.6	19.6	18.7	14.5	17.0	13.4			
20	16.2	15.4	16.8	15.8	18.9	20.2	19.0	20.5	19.5	16.9	16.9	12.9			
21	16.2	15.4	16.8	16.0	13.4	17.2	12.8	20.5	18.8	16.8	16.7	13.1			
22	16.1	15.6	16.7	14.1	12.7	16.5	13.0	20.8	17.9	17.2	16.4	13.0			
23	15.6	15.6	16.5	13.3	17.0	16.0	16.8	20.5	18.8	16.9	16.3	12.4			
24	15.2	15.9	16.4	15.0	16.3	15.2	18.0	16.8	16.7	17.2	15.5	14.1			
25	15.4	15.6	16.3	15.4	17.4	12.4	15.0	18.5	16.7	18.9	16.1	14.1			
26	15.4	15.4	16.8	16.2	18.0	15.0	14.7	21.4	18.4	18.5	16.1	13.8			
27	15.5	15.4	17.0	16.4	18.7	17.3	14.0		20.1	17.9	15.6	14.3			
28	15.6	15.4	17.7	15.3	19.1	16.2	17.5	20.5	20.1	18.6	16.0	14.2			
29	15.7		17.6	16.9	18.8	16.6	18.2	21.2	20.1	18.4	15.6	14.2			
30	15.7		16.9	15.6	17.6	16.0	17.2	21.4	22.1	17.8	15.5	13.4			
31	15.5		17.2		17.2		17.8	21.4		18.5					
1-10 MEANS	16.09	15.60	15.57	17.12	16.39	18.34	18.11	18.83	20.49	19.04	17.94	14.03			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	16.01	15.36	16.16	16.98	18.12	19.00	19.30	19.53	20.06	16.91	17.16	13.56			
SAMPLE SIZE	10	9	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS	15.63	15.54	16.90	15.42	16.93	15.84	15.91	20.30	18.97	17.88	15.98	13.66			
SAMPLE SIZE	11	8	11	10	11	10	11	10	10	11	10	10			
MONTHLY MEANS	15.90	15.50	16.23	16.51	17.14	17.73	17.71	19.55	19.84	17.94	17.03	13.75	17.07		
SAMPLE SIZE	31	27	31	30	31	30	31	30	30	31	30	30			
MAXIMUM VALUE	16.3	15.9.	17.7	17.7	19.9	20.2	22.0	22.0	22.1	22.1	18.5	15.3		22.1	
MINIMUM VALUE	15.2	15.2	15.1	13.3	12.7	12.4	12.8	13.7	16.7	14.5	15.5	12.4			12.4
RANGE	1.1	.7	2.6	4.4	7.2	7.8	9.2	8.3	5.4	7.6	3.0	2.9			
STANDARD DEV.	.31	.18	.69	1.06	1.72	1.83	2.10	2.20	1.30	1.82	.92	.75			

SCRIPPS PIER BOTTOM SALINITY YEAR 1978

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.44	33.14	33.12	32.99	33.37	33.52	33.68	33.58	33.56	33.57	33.45				
2	33.47	33.15	33.04	32.93	33.45	33.47	33.62	33.49	33.61	33.58	33.47	33.54			
3	33.47	33.22	32.95	32.94	33.49	33.81	33.56	33.51	33.58	33.58	33.46	33.36			
4	33.48	33.03	32.96	33.03	33.54	33.61	33.60	33.54	33.72	33.79	33.38	33.38			
5	33.38	33.27	32.89	33.04	33.49	33.52	33.58	33.60	33.55	33.42	33.53	33.39			
6		33.20	33.06	32.99	33.52	33.50	33.60	33.48	33.45	33.39	33.46	33.43			
7	33.38	33.23	33.07	32.94	33.52	33.48	33.58	33.51	33.52	33.49	33.51	33.42			
8	33.40	33.20	33.16	33.19	33.52	33.54	33.59	33.55	33.52	33.49	33.46	33.37			
9	33.42	33.25	33.08	33.07	33.55	33.55	33.60	33.53	33.51	33.50	33.52	33.40			
10	32.71	33.20	33.01	33.14	33.56	33.56	33.59	33.64	33.46	33.51	33.45	33.36			
11	33.04	33.20	32.94	33.18	33.57	33.56	33.60	33.55	33.58	33.46	33.43	33.39			
12	33.28		33.24	33.05	33.58	33.59	33.61	33.56	33.54	33.45	33.42	33.36			
13	33.25	33.26	32.70	33.02	33.55	33.51	33.59	33.59	33.54	33.62	33.43	33.37			
14	33.37	33.24	32.58	33.05	33.47	33.53	33.55	33.58	33.51	33.45	33.32	33.39			
15	33.15	33.27	32.54	33.08	33.52	33.55	33.56	33.54	33.45	33.36	33.40	33.34			
16	33.15	33.26	32.58	33.08	33.51	33.71	33.63	33.60	33.54	33.38	33.44	33.36			
17	33.15	33.04	32.53	33.11	33.52	33.53	33.54	33.53	33.57	33.43	33.42	33.29			
18	33.16	33.15	32.62	33.15	33.54	33.52	33.56	33.54		33.42	33.51	33.09			
19	33.03	33.09	32.71	33.13	33.54	33.52	33.55	33.60		33.37	33.38	33.19			
20	33.14	33.09	32.95	33.21	33.52	33.53	33.55	33.57	33.56	33.39	33.41	33.24			
21	33.17	33.11	32.84	33.07	33.59	33.66	33.47	33.56	33.57	33.40	33.42	33.25			
22	33.14	33.13		33.38	33.61	33.50	33.69	33.64	33.50	33.43	33.38	33.26			
23	33.18	33.10		33.42	33.57	33.54	33.53	33.55	33.53	33.40	33.40	33.37			
24	33.14	33.11		33.50	33.56	33.52	33.54	33.48	33.47	33.38	33.30	33.25			
25	33.22	33.16		33.34	33.33	33.64	33.51	33.51	33.48	33.46	33.39	33.22			
26	33.83	33.28		33.25	33.58	33.61	33.53	33.39	33.60	33.42	33.35	33.26			
27	33.24	33.14		33.36	33.50	33.55	33.62		33.50	33.39	33.37	33.39			
28	33.24	33.22		33.26	33.58	33.58	33.50	33.42	33.50	33.31	33.26	33.28			
29	33.24			33.34	33.52	33.80	33.50	33.54	33.52	33.38	33.40	33.29			
30	33.16		33.02	33.53	33.57	33.59	33.51	33.54	33.62	33.40		33.36			
31	33.15		32.92		33.53		33.51	33.56		33.46					
1-10 MEANS	33.35	33.19	33.03	33.03	33.50	33.56	33.60	33.54	33.55	33.53	33.47	33.41			
SAMPLE SIZE	9	10	10	10	10	10	10	10	10	10	10	9			
11-20 MEANS	33.17	33.18	32.74	33.11	33.53	33.56	33.57	33.57	33.54	33.43	33.42	33.30			
SAMPLE SIZE	10	9	10	10	10	10	10	10	8	10	10	10			
21-31 MEANS	33.25	33.16	32.93	33.34	33.54	33.60	33.54	33.52	33.53	33.40	33.36	33.29			
SAMPLE SIZE	11	8	3	10	11	10	11	10	10	11	9	10			
MONTHLY MEANS	33.25	33.18	32.89	33.16	33.52	33.57	33.57	33.54	33.54	33.45	33.42	33.33	33.37		
SAMPLE SIZE	30	27	23	30	31	30	31	30	28	31	29	29			
MAXIMUM VALUE	33.83	33.28	33.24	33.53	33.61	33.81	33.69	33.64	33.72	33.79	33.53	33.54		33.83	
MINIMUM VALUE	32.71	33.03	32.53	32.93	33.33	33.47	33.47	33.39	33.45	33.31	33.26	33.09			32.53
RANGE	1.12	.25	.71	.60	.28	.34	.22	.25	.27	.48	.27	.45			
STANDARD DEV.	.20	.07	.21	.17	.06	.08	.05	.06	.06	.10	.06	.09			