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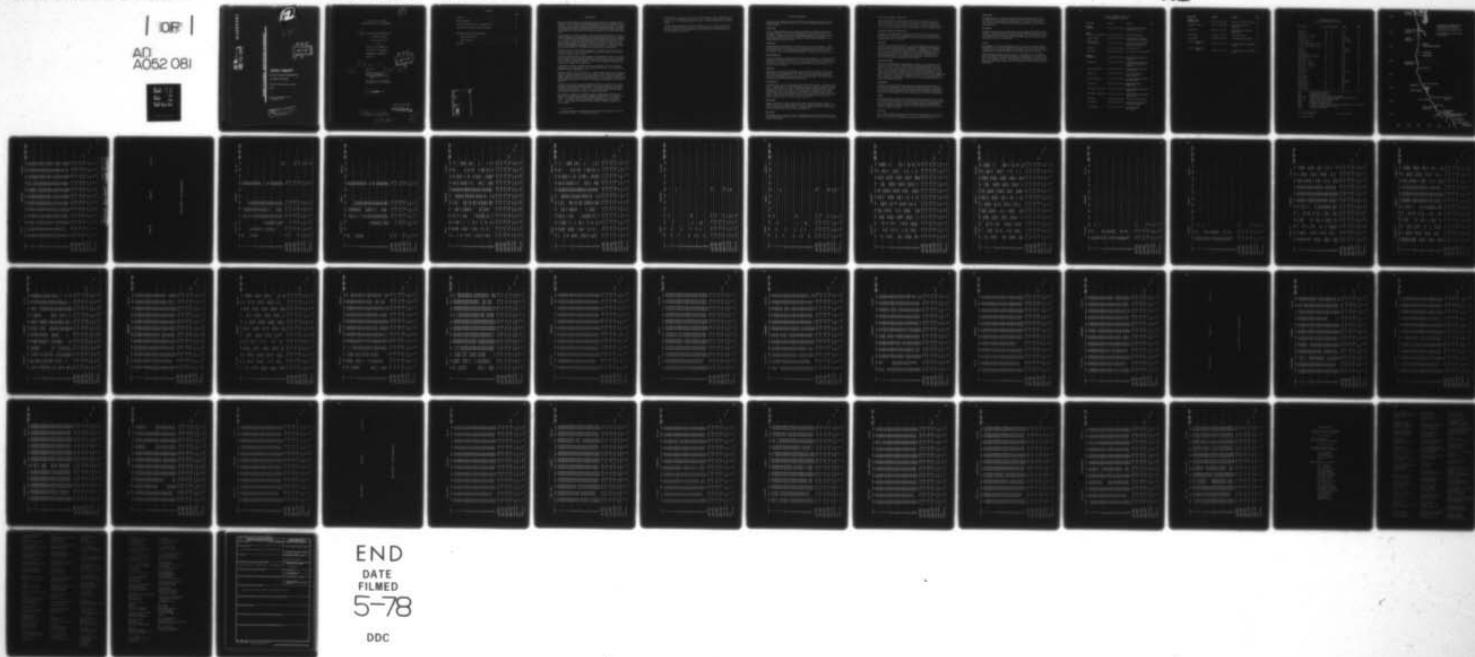
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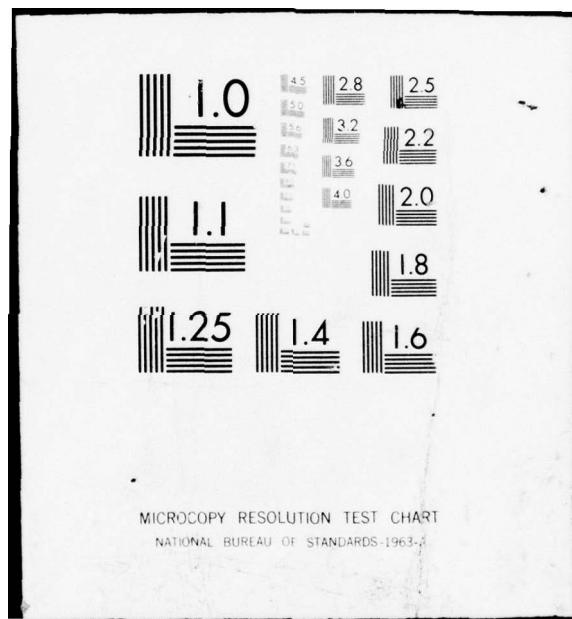
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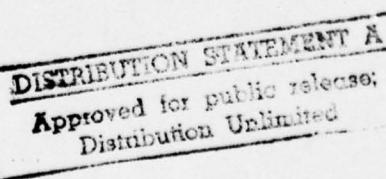
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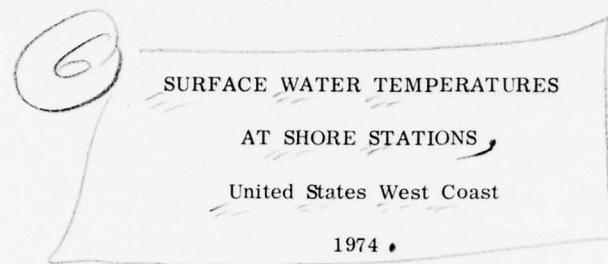
data report

SURFACE WATER TEMPERATURES
AT SHORE STATIONS

United States West Coast
1974

(1)

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY



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



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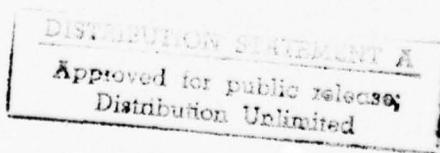
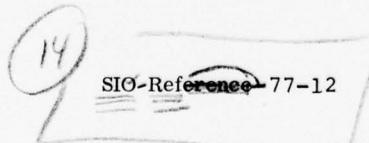
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INTRODUCTION

This report presents temperature and salinity data observed during 1974 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 previous reports have not included daily recorded values.

Various agencies and individuals volunteer to make daily observations which are sent weekly 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, 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 and Port San Luis are recorded to 0.1°F , and for Crescent City and Neah Bay, 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. The observations are considered accurate to approximately $\pm 0.2^{\circ}\text{C}$.

Salinities for Scripps Pier, Newport Beach, S. E. Farallon Island, Pacific Grove, San Clemente and Ventura Marina 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 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.

The density values reported from three NOAA/NOS tide stations, Santa Monica, San Luis and Neah Bay, are obtained by uncalibrated hydrometer and in previous years have been converted to salinity values at Scripps from density tables.¹ The errors in salinity from uncalibrated hydrometers can range between 0.1 and 3 %. It is for this reason that salinity data obtained from uncalibrated hydrometers will no longer be included in this report.

Most salinity data reported to Oregon State University, including the NOAA/NOS station at Crescent City, is determined by hydrometer readings and density tables.¹ These hydrometers, however, are calibrated against an inductive salinometer which has an accuracy of about $\pm 0.003 \%$. The accuracy of salinity determined by calibrated hydrometer is believed to be $\pm 0.2 \%$. Newport Marine Science Center determines salinity by inductive salinometer as is done at Scripps.

¹Sea Water Temperature and Density Reduction Tables, Special Publication no 298, 1953. Coast and Geodetic Survey, U. S. Department of Commerce.

Reported salinities exceeding 34 % may be due to faulty sampling techniques. Salinities less than 30 % 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 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.

STATION DESCRIPTIONS

From time to time, questions arise concerning just where the temperatures are taken and how representative these temperatures might be. Each of the currently reporting stations in California are described.

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. Storm run-off causes a considerable drop in salinity as the rain water is trapped in the harbor. Differences of as much as 3.03 parts/thousand have been measured in the salinity between the tide gauge site and the water on the beach outside the breakwater. Temperatures, however, are nearly the same.

Trinidad Head

California State University-Humboldt runs a marine laboratory on this rocky headland. Temperatures are taken daily off the fishing pier on the lee or southeast side of the headland. The area is influenced by river run-off during the winter, particularly when the Eel River is in flood. Since the water is deep around the headland, temperature is representative of this section of coast.

Salt Point State Park

The rangers take daily water temperatures from Gerstle Cove located here. This station took over reporting from the old Fort Ross station some 10 miles further 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 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 northwester.

Pacific Grove

Hopkins Marine Station of Stanford University takes daily temperature and salinity samples 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.

Santa Monica

This tidegauge 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.

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 in-shore 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.

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 to 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 the author.)

Port San Luis Obispo

The Coast and Geodetic Survey's tide guage station is located on the old fishing pier in the northwest corner of the harbor. Daily temperature and density measurements are sent to Scripps once a month. The old site was on the 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. Salinity differences of 1.03 have been measured between the old and new sites due to this entrapped fresh water. Temperature is also about 0.1° warmer at the new site. The new Pacific Gas and Electric Atomic power plant will have its intake about 1/4 mile from the tide gauge site and so may have some future influence.

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 used to be taken off the harbormaster's dock, but the closing in the harbor no longer made the trapped water representative so the site was moved to the beach corner 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.

Newport Beach

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 San Clemente Beach State Park 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 wiped out 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 light-houses, 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
<u>Washington</u>			
Neah Bay	48°22.0'N, 124°37.0'W	NOAA/NOS Tide Gauge Station Strait of Juan de Fuca	13
<u>Oregon</u>			
Columbia River Lightship	46°11.2'N, 124°11.0'W	Mouth of Columbia River	15
Seaside Aquarium	45°59.7'N, 123°55.6'W	At pump outlet into Aquarium settling tank from surf inlet pipe	17
Newport Marine Science Center	44°37.2'N, 124°01.5'W	At pump outlet into Laboratory from bottom of Yaquina Bay	19
Charleston	43°21.0'N, 124°19.0'W	From surface of bay	21
Port Orford	42°44.6'N, 124°30.6'W	Off east side of Port Orford River	23
<u>California</u>			
Crescent City	41°44.8'N, 124°11.0'W	NOAA/NOS Tide Gauge Station Crescent City	25
Trinidad Head	41°03.4'N, 124°08.6'W	Trinidad Beach, California State University, Humboldt Marine Laboratory	27
Salt Point State Park	38°34.0'N, 123°19.7'W	Fort Ross State Historic Park Sonoma County	28
Bodega Bay	38°19.0'N, 123°04.3'W	University of California Marine Laboratory	29
Farallon Island, S. E.	37°41.8'N, 122°59.9'W	SE Farallon Island Light Station off San Francisco	30
Pacific Grove	36°37.3'N, 121°54.2'W	Hopkins Marine Station Pacific Grove	32
Point Lobos: north side	36°31.2'N, 121°56.3'W	Point Lobos Reserve State Park Whalers Cove	34
Point Lobos: south side	36°30.8'N, 121°56.7'W	Point Lobos Reserve State Park Sand Hill Cove	35
Morro Bay	35°22.2'N, 120°51.6'W	Pacific Gas and Electric Plant	36
Port San Luis	35°10.3'N, 120°45.2'W	NOAA/NOS Tide Gauge Station Port San Luis Obispo	37
Santa Barbara	34°24.2'N, 119°41.6'W	Harbor Department Santa Barbara	39

<u>Station Name</u>	<u>Position .</u>	<u>Location</u>	<u>Page</u>
<u>California</u> (cont.)			
Ventura Marina	34°14.7'N, 119°15.8'W	Ventura County Small Boat Harbor	40
Point Dume: west of	34°01.1'N, 118°49.5'W	Zuma Beach County Park near Malibu	42
Santa Monica	34°00.0'N, 118°30.0'W	NOAA/NOS Tide Gauge Station Santa Monica	43
Newport Beach	33°36.0'N, 117°54.0'W	Newport Beach Pier	45
San Clemente	33°25.0'N, 117°37.0'W	San Clemente Beach State Park	47
La Jolla: Scripps Pier, surface	32°52.0'N, 117°15.3'W	Scripps Institution of Oceanography La Jolla	49
La Jolla: Scripps Pier, bottom	32°52.0'N, 117°15.3'W	Scripps Institution of Oceanography La Jolla	51

ALPHABETICAL LIST OF
SURFACE-TEMPERATURE STATIONS

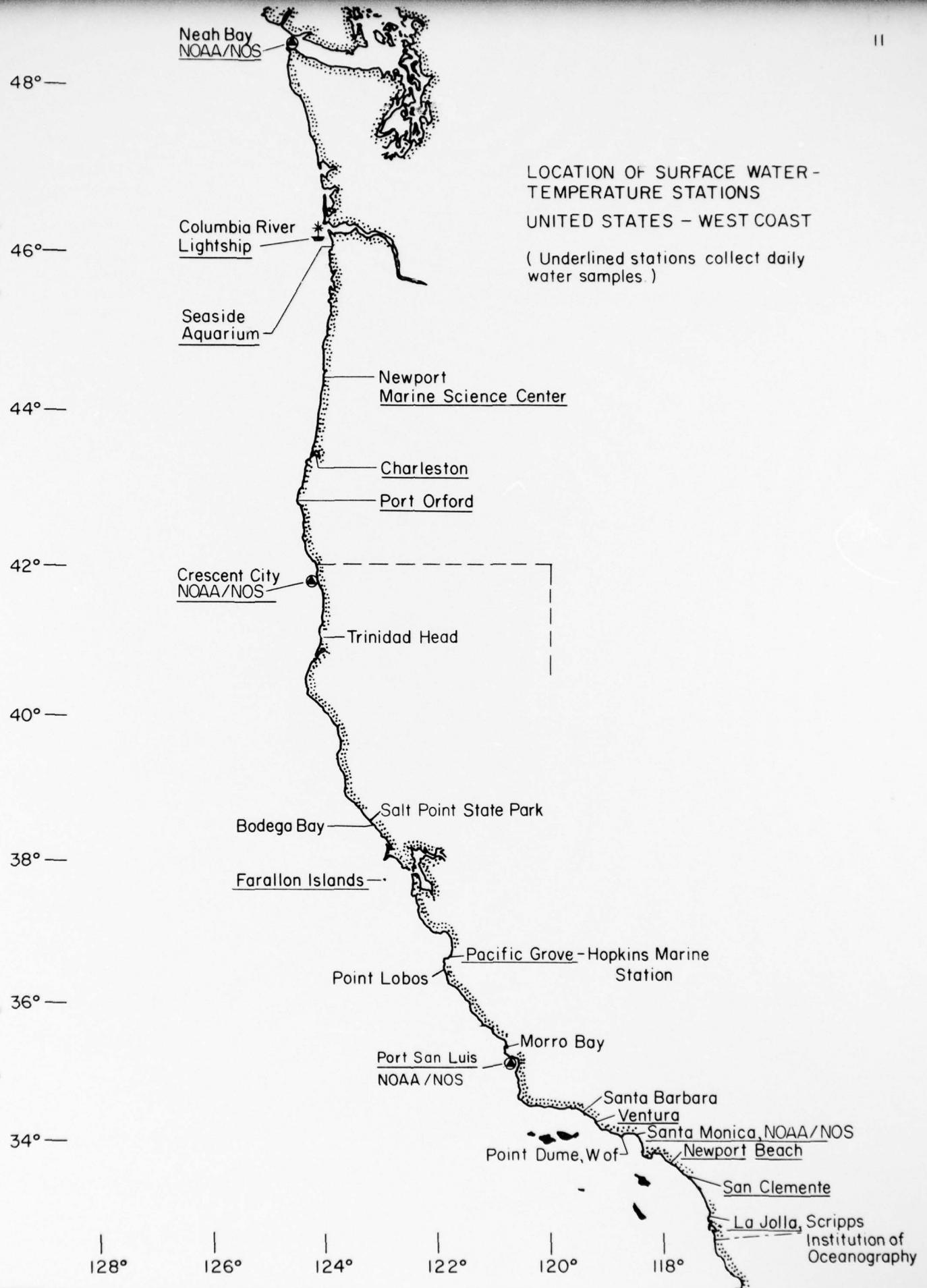
<u>Station Name</u>	<u>Type</u>	<u>Data Collected</u>	<u>Agency</u>	<u>Page</u>
Bodega Bay	T ^{1/}	d ^{2/}	UCML	29
Charleston	TS ^{3/}	d	OSU	21
Columbia River Lightship	TS	d	USCG	15
Crescent City	TS	d	NOAA/NOS	25
Farallon Island, S. E.	TS	d	USCG & PRBO	30
La Jolla: Scripps Pier, surface	TS	d	SIO	49
La Jolla: Scripps Pier, bottom	TS	d	SIO	51
Morro Bay	T	d	PG and E	36
Neah Bay	T	d	NOAA/NOS	13
Newport Beach	TS	d	SIO	45
Newport Marine Science Center	TS	d	OSU	19
Pacific Grove	TS	d	HMS	32
Point Dume: west of	T	d	SIO	42
Point Lobos: north side	T	d	CSP	34
Point Lobos: south side	T	d	CSP	35
Port Orford	TS	d	OSU	23
Port San Luis	T	d	NOAA/NOS	37
Salt Point	T	d	CSP	28
San Clemente	TS	d	SIO	47
Santa Barbara	T	d	SIO	39
Santa Monica	T	d	NOAA/NOS	43
Seaside Aquarium	TS	d	OSU	17
Trinidad Head	T	d	CSU	27
Ventura Marina	TS	d	SIO	40

CSP:	California State Park System
CSU:	California State University
HMS:	Hopkins Marine Station, Pacific Grove, California
NOAA /NOS :	National Oceanic and Atmospheric Administration/National Ocean Survey
OSU:	Oregon State University, Corvallis, Oregon
PG and E:	Pacific Gas and Electric Company
PRBO:	Point Reyes Bird Observatory
SIO:	University of California, Scripps Institution of Oceanography, La Jolla, California
UCML:	University of California Marine Laboratory
USCG:	United States Coast Guard

1/ T: Surface temperatures

2/ d: Values taken daily

3/ S: Surface salinities



NEAH BAY												TEMPERATURE											
DAYS			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	MAX	MIN	ANNUAL	ANNUAL	ANNUAL	ANNUAL		
1	6.9	6.7	7.2	8.6	8.6	10.0	9.7	11.7	12.5	11.4	8.9	8.9	8.9	8.9	8.9	8.6	8.6	8.6	8.6	8.6	8.6	8.6	
2	6.4	6.9	6.9	8.9	8.9	11.1	10.0	13.6	12.2	9.4	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	
3	5.8	7.5	6.7	9.2	8.3	10.0	11.1	12.8	11.7	9.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	
4	5.3	7.5	6.9	9.2	8.6	10.6	10.6	12.8	12.5	10.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	
5	5.3	7.2	6.9	8.9	8.9	9.4	10.6	12.8	10.6	10.6	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
6	4.7	7.2	8.3	8.3	9.4	10.6	12.8	10.6	10.6	10.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
7	4.7	7.5	6.9	8.3	9.4	9.7	12.2	11.1	11.1	11.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
8	5.3	7.5	6.7	8.3	8.9	10.3	11.7	12.2	11.7	11.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	
9	5.8	7.2	7.2	8.9	8.9	10.3	10.6	13.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
10	6.1	6.9	7.2	8.9	8.9	10.0	10.8	11.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
11	6.1	6.9	7.2	8.9	9.4	10.3	10.8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	
12	5.8	7.2	7.5	8.6	9.2	10.8	9.7	10.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	
13	6.4	7.2	7.2	8.6	9.2	10.3	10.3	13.3	13.3	13.3	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
14	6.9	7.2	7.2	9.2	9.7	10.8	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
15	7.2	7.5	6.9	8.6	9.2	10.3	12.8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
16	7.8	7.5	7.2	8.6	9.4	9.7	10.6	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
17	7.2	7.8	7.2	8.6	9.7	12.2	12.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	
18	7.2	7.5	8.6	10.0	11.7	11.7	11.7	11.7	10.3	10.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	
19	6.9	7.5	7.8	8.6	9.4	12.8	15.0	11.1	10.6	10.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
20	6.9	7.2	7.8	8.6	10.6	11.4	16.7	12.2	10.0	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
21	7.2	7.2	8.6	12.2	12.5	11.7	10.0	10.8	10.8	10.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
22	7.5	7.5	7.8	8.9	10.3	11.1	11.1	11.1	10.6	10.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
23	7.8	7.2	7.8	8.3	10.8	11.7	9.4	13.3	13.3	13.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	
24	7.8	6.7	7.8	9.4	10.3	10.3	11.9	9.4	11.7	11.7	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
25	7.5	7.2	7.8	8.6	11.1	11.1	11.1	12.2	11.4	11.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
26	7.2	6.9	7.8	8.6	11.7	10.6	11.7	12.2	12.2	12.2	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
27	7.8	6.9	8.3	8.6	12.2	8.9	12.5	13.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
28	7.5	7.2	8.3	8.6	12.8	10.0	10.3	11.1	10.6	10.6	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
29	7.5	8.3	10.0	11.7	10.8	12.2	10.8	10.8	10.8	10.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
30	8.3	9.4	11.1	10.0	10.0	10.8	10.8	10.8	10.8	10.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
31	6.7	8.6	11.1	13.1	13.1	11.9	11.9	11.9	11.9	11.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
1-10 MEANS SAMPLE SIZE	5.63 10	7.21 10	6.96 9	8.73 9	8.82 9	10.08 10	11.59 10	12.58 9	11.74 9	9.97 9	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	8.97 10	
11-20 MEANS SAMPLE SIZE	6.84 10	7.35 10	7.35 10	8.69 10	9.61 10	11.28 10	12.30 10	12.23 9	11.38 10	9.11 10	9.49 9	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	9.49 10	
21-31 MEANS SAMPLE SIZE	7.45 10	7.10 8	8.08 10	8.90 10	11.45 10	10.61 10	11.75 11	10.93 11	10.95 10	8.97 10	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	9.08 11	
MONTHLY MEANS SAMPLE SIZE	6.64 30	7.23 28	7.48 29	8.78 29	10.00 30	10.66 30	11.86 30	11.86 30	11.34 30	9.35 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	9.18 30	
MAXIMUM VALUE RANGE	7.8 3.1	8.6 1.1	6.7 1.7	8.3 4.5	8.3 3.9	10.0 4.2	12.8 3.9	18.6 4.2	13.6 3.9	13.3 3.9	11.4 3.9	10.0 3.9	9.7 3.9	9.4 3.9	8.6 3.9								
MINIMUM VALUE STANDARD DEV.	4.7 .95	6.7 .28	6.0 .54	8.3 .39	8.3 .93	10.0 1.16	12.8 1.16	18.6 1.16	13.6 1.16	13.3 1.16	11.4 1.16	10.0 1.16	9.7 1.16	9.4 1.16	8.6 1.16								

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NEAH BAY

SALINITY

YEAR 1974

DATA OMITTED - SEE INTRODUCTION

COLUMBIA RIVER											TEMPERATURE					YEAR 1974				
DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MAX	MEAN	ANNUAL MIN					
1	8.8	8.8	10.2	9.7									13.5							
2	8.4		10.0	10.6									13.8							
3			11.1	12.2									16.5							
4													16.5							
5													16.0							
6													15.5							
7	6.6	8.6	11.0	10.6	14.0								15.2							
8	6.5	9.2	11.5	11.1	13.8								14.5							
9	6.0	9.2	11.3	10.0	12.0								15.9							
10	6.5	8.3	11.1	10.0	14.0								16.2							
11	5.5	8.3	11.2	11.6	13.9								15.5							
12	6.5	8.6	11.2	11.4	14.0								16.0							
13	8.3	10.6	11.6	13.0									15.8							
14	8.9	11.3	10.0	15.0									15.9							
15	8.9	11.0	10.6	15.0									15.0							
16		10.8	11.1	13.8									13.8							
17	9.2	8.9	10.9	11.1	14.0								14.2							
18			9.9	11.6	12.1								14.0							
19	10.1	8.6	10.0	11.1	11.2								13.8							
20	10.0	9.0	9.9	10.0	12.2								13.8							
21		9.4	10.3	9.7	12.2								15.0							
22	9.7	10.0	10.1	11.2									15.8							
23	8.9	10.3	9.5	12.4									16.8							
24	10.0	9.6	8.9	12.5									16.0							
25		9.4	10.1	11.0									15.0							
26	8.6		10.0	11.6									15.5							
27		10.0	11.1	10.0	12.2								13.4							
28		9.2	9.4	11.1	12.2								14.0							
29		9.6	9.9	10.8	14.0								13.4							
30		9.4	10.0	14.0									13.4							
31		9.6											12.5							
1-10 MEANS		7.13	8.82	10.89	10.64	13.56							15.36							
SAMPLE SIZE	6	4		7	9	5							10							
11-20 MEANS		6.00	9.04	8.83	10.68	11.12	13.20						15.03							
SAMPLE SIZE	2	8	3	10	9	10							7							
21-31 MEANS		9.32	9.74	9.87	11.14	12.38							14.81							
SAMPLE SIZE	5	10	13	27	23	25							9							
MONTHLY MEANS		6.85	9.07	9.53	10.43	10.94	12.94						15.08							
SAMPLE SIZE	8	17											26							
MAXIMUM VALUE		8.8	10.1	10.3	11.5	12.2	15.0						16.8							
MINIMUM VALUE	5.5	8.3	8.6	8.9	9.7	10.0							13.4							
RANGE	3.3	1.8	1.7	2.6	2.5	5.0							3.4							
STANDARD DEV.	1.15	.61	.53	.70	.74	1.32							1.12							
													1.06							

YEAR 1974

COLUMBIA RIVER SALINITY

DAYS	ANNUAL														
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	MAX	MIN
1	29.6				30.9	33.0							28.7		
2	29.8				30.4	32.4							29.3		
3					30.1	33.5							31.1		
4															
5															
6	28.4				31.9	34.0	22.8						30.4		
7	27.7				33.7	33.1	22.2						28.7		
8	30.0					33.0	21.0						29.8		
9													28.9		
10	29.0				32.6	33.6	20.4						28.6		
11	27.2					32.1	20.6						29.8		
12	31.0				32.3			21.5					31.6		
13						33.2	20.8						26.7		
14						33.1	22.4						28.0		
15						33.1	21.8						26.2		
16						33.7	20.8								
17						32.3	22.2								
18						33.1	22.2								
19						32.1	21.0								
20						31.5	32.6	31.9	20.4				27.9		
21						27.0	32.4		28.7				28.7		
22						25.4	33.1	19.7	25.6						
23						26.1	32.8		22.0				30.9		
24						25.0	33.4		20.0				30.0		
25						25.4	32.4		20.1				29.9		
26						28.2	32.8		23.6				28.2		
27						33.2		28.3					28.3		
28						29.7	32.4	20.1	24.2				26.3		
29						31.0	33.2	24.0	25.3				29.4		
30						31.8	32.6	23.7	19.6				27.6		
31						33.1	32.1		19.7				28.7		
						30.5									
1-10 MEANS	29.08														
SAMPLE SIZE	6					31.60	33.19	21.40					29.64		
11-20 MEANS	29.10					30.20	32.69	33.30	22.18				28.16		
SAMPLE SIZE	2					3	9	6	10				7		
21-31 MEANS						28.62	32.80	23.16	22.33				28.81		
SAMPLE SIZE						10	10	5	10				9		
MONTHLY MEANS	29.09					28.98	32.47	30.71	22.08				28.95		
SAMPLE SIZE	8					13	25	20	25				31.6		
MAXIMUM VALUE	31.0					33.1	33.7	34.2	28.7						
MINIMUM VALUE	27.2					25.0	30.1	19.7	19.6				26.2		
RANGE	3.8					8.1	3.6	14.5	9.1				5.4		
STANDARD DEV.	1.27					2.92	.93	4.79	2.13				1.44		

SEASIDE

TEMPERATURE

YEAR 1974

DAYS	ANNUAL											ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV			
1	8.4	9.0	8.5	9.7	13.0	13.8	15.1	11.5	10.6					
2	9.2	9.2	9.5	9.5	10.7	13.7	12.7	16.6	12.7	10.3	10.8			
3	9.0	7.6	9.6	10.7	11.0	12.3	13.5	11.1	11.9					
4	9.2	8.8	8.6	9.7	10.3	13.6	11.4	17.5	11.6					
5	8.4	8.9	8.6	9.2	11.0	12.3	12.5	11.5	15.7	11.2				
6	8.0	8.8	9.9	11.5	10.3	13.6	11.4	17.5	11.6					
7	7.8	8.8	9.9	11.5	12.2	13.2	13.7	12.7	15.5	13.7	10.8			
8	8.9	8.3	10.3	12.2	13.2	13.5	13.7	15.4	15.4					
9	8.6	8.6	10.2	12.4	13.6	13.2	13.2	14.3	14.3					
10	7.8	8.7	10.3	12.5	12.4	15.0	12.8	12.9	16.0	12.9	10.7	10.6		
11	8.5	8.3	12.3	15.0	15.0	15.0	16.0	16.0	16.0	16.0	16.0			
12	9.2	9.3	11.9	13.2	12.2	14.5	14.5	11.6	12.2	12.2	11.5			
13	9.4	11.4	13.9	14.5	14.5	14.5	14.9	12.9	11.6	12.9	11.5	10.2		
14	8.8	9.5	9.2	9.5	11.5	13.8	15.0	14.9	14.9	11.6	10.2			
15	9.4	8.6	9.3	9.5	10.0	12.2	14.2	14.5	14.5	10.7	11.4			
16	9.0	8.8	9.2	9.5	10.7	14.7	13.4	13.2	12.0					
17	9.3	8.6	9.3	9.5	10.4	12.2	14.8	15.3	15.3					
18	9.1	8.4	9.4	10.4	13.5	12.2	16.0	14.9	12.2	11.3	11.0			
19	9.0	9.0	11.2	13.5	11.5	16.3	13.9	13.5	13.5	10.3				
20	8.6	8.4	11.2	13.8	11.7	16.3	14.5	14.5	14.5					
21	8.4	8.4	11.2	13.8	11.8	12.2	12.2	15.8	15.8	10.8				
22	9.1	8.3	10.8	12.8	11.5	14.7	16.8	11.0	11.0					
23	9.2	9.8	13.1	10.5	13.9	14.5	14.5	10.2						
24	9.2	8.1	11.2	13.3	12.0	13.6	13.6	11.2	10.4	9.5				
25	8.4	8.5	11.0	13.3	13.3	11.5	11.5	11.1	11.4	10.3				
26	8.4	10.2	11.0	13.3	14.5	12.0	12.0	11.7	10.8	9.1				
27	10.2	11.0	12.8	13.2	14.0	13.8	11.2	11.2	10.1					
28	9.7	11.0	12.8	15.6	13.5	13.5	13.5	9.8	10.3	9.1				
29	10.2	11.0	12.8	13.2	14.0	13.8	11.2	11.2	10.1					
30	9.7	11.0	12.8	15.6	13.5	13.5	13.5	9.8	10.3	9.1				
31	9.7	11.0	12.8	15.6	13.5	13.5	13.5	9.8	10.3	9.1				
1-10 MEANS	8.15	8.95	8.50	9.84	11.35	13.16	13.24	12.43	15.69	12.19	10.53	10.66		
SAMPLE SIZE	4	8	6	7	6	5	7	10	8	7	3	5		
11-20 MEANS	8.94	8.67	9.32	9.82	12.02	12.30	14.47	14.45	12.90	11.63	11.44	10.45		
SAMPLE SIZE	7	6	4	4	7	9	10	4	4	6	5	4		
21-31 MEANS	8.82	8.32	9.80	10.91	13.30	12.21	15.13	13.99	12.36	10.54	10.53	9.23		
SAMPLE SIZE	6	4	5	7	6	9	6	8	7	7	6	3		
MONTHLY MEANS	8.71	8.72	9.15	10.26	12.25	12.47	14.26	13.60	13.87	11.44	10.86	10.23	11.32	
SAMPLE SIZE	17	18	15	18	16	21	22	28	19	20	14	12		
MAXIMUM VALUE	9.4	9.2	10.2	11.2	13.8	14.5	16.3	16.8	17.5	13.7	11.6	11.0	17.5	
MINIMUM VALUE	7.8	8.1	7.6	9.5	10.3	10.5	12.2	10.7	11.0	9.8	10.3	9.1	7.6	-
RANGE	1.6	1.1	2.6	1.7	3.5	4.0	4.1	6.1	6.5	3.9	1.3	1.9		
STANDARD DEV.	.55	.31	.69	.62	1.05	1.05	1.16	1.55	1.99	1.04	.50	.65		

		SEASIDE SALINITY										YEAR 1974				
MONTH	DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	1	24.6	27.0	29.7	30.9	29.0			30.8	30.6	31.4			31.2		
2	2	29.3	29.6	29.8	23.7	28.9	31.7	31.6	27.4	21.3	31.3			32.1		
3	3	27.3	29.0	29.0	27.3	24.0	29.2	32.1	28.0							
4	4	28.2	29.3	29.6	29.4	30.8	29.0	32.2	28.2							
5	5	30.6	29.8	29.6	29.4			31.3	32.5							
6	6			29.8		31.0	23.9	30.0	32.5							
7	7	30.8							31.4							
8	8	31.0	29.3						29.7							
9	9	28.9	29.4	29.0	23.0	28.5	26.4	31.7	30.2							
10	10	29.3	29.0	29.0	23.9	29.2	23.9	31.3	30.5							
11	11	28.0	28.1	28.1	18.9	30.3	26.2	32.1	30.8							
12	12	30.3	24.4			20.5	28.1	29.8								
13	13	29.8		30.1		20.4	29.8	27.0	27.0							
14	14	30.5				20.2	29.0	28.7	26.6							
15	15	29.3						28.5	24.4							
16	16		29.8				31.0	28.1	26.8							
17	17	28.5	29.6				31.6		30.5							
18	18	29.0	30.3	31.2			33.1	29.4	30.6							
19	19	28.9	30.3	29.4				28.9	27.0							
20	20			23.6			30.0	29.0	27.0							
21	21	28.9	29.4	28.2	26.2	23.1	31.0	29.7	30.6							
22	22				24.9		31.3	29.2	30.6							
23	23	26.1	28.4	24.9	24.3	32.4	32.5	30.0	30.1							
24	24			25.2	24.3	32.5	32.1	31.3	29.2							
25	25	29.6	23.4	23.4	24.6	32.1	32.5	30.1	29.7							
26	26	26.0	29.7	26.4	27.3	26.5	32.4	31.2	30.2							
27	27	20.1	29.7		26.2	27.7			32.5	30.9						
28	28	17.8					28.7		33.4	31.7						
29	29		30.8				28.7	31.2	30.6							
30	30			27.4			29.0		31.0							
31	31		30.5					29.2								
1-10 MEANS		29.25	28.64	29.47	29.73	25.43	27.92	29.70	31.82	29.39	31.53	31.13	31.20			
SAMPLE SIZE		4	8	6	7	6	5	7	10	8	7	7	5			
11-20 MEANS		29.36	28.48	29.73	28.52	20.00	30.69	28.21	28.18	30.45	30.98	30.92	29.23			
SAMPLE SIZE		7	6	4	4	4	7	9	10	4	6	5	4			
21-31 MEANS		24.75	29.30	27.86	26.01	25.24	30.90	30.10	30.78	30.97	30.69	29.68	29.00			
SAMPLE SIZE		6	4	5	7	5	9	6	8	7	7	6	3			
MONTHLY MEANS		27.71	28.73	29.00	28.02	23.92	30.12	29.20	30.22	30.19	31.07	30.44	29.99	29.05		
SAMPLE SIZE		17	18	15	18	15	21	22	28	19	20	14	12			
MAXIMUM VALUE		31.0	30.3	30.8	31.2	30.8	33.1	31.7	33.4	31.7	31.9	31.3	32.1	33.4		
MINTIMUM VALUE		17.8	24.4	23.4	23.6	18.9	24.0	26.2	24.4	27.4	29.7	28.4	28.4	17.8		
RANGE		13.2	5.9	7.4	7.6	11.9	9.1	5.5	9.0	4.3	2.2	2.9	3.7			
STANDARD DEV.		3.78	1.42	1.86	2.42	3.22	2.05	1.49	2.30	1.22	.72	.97	1.18			

CHARLESTON

YEAR 1974

TEMPERATURE

DAYS	TEMPERATURE											YEAR 1974			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1					10.1	13.0	13.7			10.5	10.5				
2		10.0	10.9		12.4	15.0				11.3	11.3		10.8		
3	8.3	10.1	11.1	10.5	11.0			13.5		11.3	11.3		10.8		
4	7.6	9.0	10.3	10.1		13.0	12.4	14.6		11.2	10.2		10.6		
5	9.2	9.1	10.3	10.5	11.3		12.6			10.5			10.5		
6	9.4			10.3			12.6			11.1			10.9		
7	7.9	9.4	9.4	10.6	12.2		12.4			10.1					
8	7.9	9.7	9.4	10.8	12.6	9.9	13.8			10.0			10.5		
9	8.3			10.8	10.4	10.9	12.5	14.8		10.3			10.8		
10	8.3			10.6	11.2	12.1	12.6	14.5							
11	7.9	9.2	9.6	11.2	11.8	13.7		14.9		10.4					
12	9.8	9.3	11.5			15.6	10.1	12.9							
13				9.0				10.1							
14	8.7			9.9	9.5			11.8							
15	9.1			10.3	10.7	12.5	11.7								
16	10.2			10.6	10.6	12.3	12.6								
17	9.6			10.6	11.3	11.2	13.8								
18	10.5	8.9	9.9	9.9	11.0										
19	9.5	9.5	9.9		8.9	15.7	13.0								
20		9.3		13.5	12.0		13.3								
21	9.9	9.0	9.7	12.4	10.5		12.6								
22	9.7	8.9	9.7	10.1	13.1	13.7	12.1								
23	9.8			10.4	12.7	15.4		10.0							
24	10.5			10.4	12.9	13.2		10.8							
25	10.3	9.6	9.9	10.4	10.1			11.0							
26	9.2	10.1	11.7		9.6	12.8	13.6								
27	8.9	10.0					11.9								
28	9.9	9.2	10.4		10.8		12.1								
29	9.7	10.3		8.9		11.2	12.2								
30	9.7		11.1	10.6			12.0								
31				10.4											
1-10 MEANS SAMPLE SIZE	8.05	9.42	9.22	10.41	10.90	11.12	11.83	13.20	14.36	10.58	10.56	10.73			
11-20 MEANS SAMPLE SIZE	9.55	9.26	9.27	10.57	11.35	10.60	13.93	11.79	12.04	10.32	10.90	11.38			
21-31 MEANS SAMPLE SIZE	9.94	9.13	10.01	10.68	11.57	10.84	13.06	12.36	12.36	10.33	10.62	10.83			
MAXIMUM VALUE SAMPLE SIZE	10.5	9.8	10.4	11.7	13.5	13.2	15.7	15.0	14.9	11.3	11.3	11.5			
MINIMUM VALUE SAMPLE SIZE	7.6	8.7	8.9	9.9	8.9	8.9	9.9	10.1	10.0	9.5	10.1	9.7			7.6
RANGE	2.9	1.1	1.5	1.8	4.6	4.3	5.8	4.9	4.9	1.8	1.2	1.8			
STANDARD DEV.	1.03	.31	.46	.51	1.26	1.12	1.61	1.12	1.62	.54	.38	.55			

CHARLESTON

YEAR 1974

SALINITY

	DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1					31.1	31.9	32.0	31.9	31.9	32.8	32.8	31.9	31.9	31.1		
2				28.5	30.7	31.9	31.9	31.9	32.4	32.4	32.4	32.4	32.4	31.3	31.3	
3		29.7	30.1	29.7	32.0	32.8	32.8	32.8	32.4	32.4	32.4	32.4	32.4	31.3	31.3	
4		28.7	29.3	28.8	28.7	32.3	31.6	31.6	32.4	32.2	32.2	32.2	32.2	32.4	31.3	
5		30.1	29.3	30.9	29.2	31.9	31.3	31.3	32.4	32.2	32.2	32.2	32.2	32.0	31.0	
6		31.5	31.0	31.3	30.9	29.5	29.5	29.5	32.9	32.3	32.3	32.3	32.3	31.9	31.9	
7		31.4	31.3	31.3	30.9	29.2	32.0	32.0	32.8	32.2	32.3	32.3	32.3	32.7	31.1	
8		31.0	31.4	31.3	31.3	29.5	31.6	31.6	30.2	31.9	31.9	31.9	31.9	32.4	31.0	
9		31.1	31.1	31.6	29.9	28.0	30.7	31.6	31.4	33.2	32.4	32.4	32.4	32.7	31.1	
10		31.2	31.1	28.4	30.5	18.4	30.5	31.4	32.7	32.0	32.8	32.8	32.8	32.0	32.0	
11		31.3	31.2	29.3	31.4	31.6	32.4	32.4	33.0	33.0	33.0	33.0	33.0	32.0	32.0	
12		31.4	31.4	31.5	31.4	31.6	30.3	30.3	32.7	32.7	32.7	32.7	32.7	32.4	32.4	
13		31.5	31.5	31.5	31.5	31.6	32.7	32.7	33.0	33.0	33.0	33.0	33.0	32.9	32.9	
14		31.6	31.4	31.4	31.4	31.4	30.3	30.3	32.7	32.7	32.7	32.7	32.7	32.3	32.3	
15		31.7	31.6	31.6	31.6	31.6	31.6	31.6	32.4	32.4	32.4	32.4	32.4	32.3	32.3	
16		31.8	31.7	31.6	31.6	31.6	31.6	31.6	32.4	32.4	32.4	32.4	32.4	32.3	32.3	
17		31.9	31.7	31.6	31.6	31.6	31.6	31.6	32.3	32.3	32.3	32.3	32.3	32.2	32.2	
18		32.0	31.8	31.7	31.7	31.7	31.7	31.7	32.3	32.3	32.3	32.3	32.3	32.2	32.2	
19		32.1	32.0	32.0	32.0	32.0	32.0	32.0	32.8	32.8	32.8	32.8	32.8	32.7	32.7	
20		32.2	32.1	32.1	32.1	32.1	32.1	32.1	31.9	31.9	31.9	31.9	31.9	33.3	33.3	
21		32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.0	32.0	32.0	32.0	32.0	33.0	33.0	
22		32.4	32.3	32.3	32.3	32.3	32.3	32.3	32.0	32.0	32.0	32.0	32.0	32.8	32.8	
23		32.5	32.4	32.4	32.4	32.4	32.4	32.4	31.6	31.6	32.7	32.7	32.7	33.0	33.0	
24		32.6	32.5	32.5	32.5	32.5	32.5	32.5	31.5	31.5	33.2	33.2	33.2	32.0	32.0	
25		32.7	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.4	32.4	
26		32.8	32.7	32.7	32.7	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.4	32.4	
27		32.9	32.8	32.8	32.8	32.8	32.8	32.8	32.0	32.0	32.3	32.3	32.3	30.5	30.5	
28		33.0	32.9	32.9	32.9	32.9	32.9	32.9	32.3	32.3	32.4	32.4	32.4	32.7	32.7	
29		33.1	33.0	33.0	33.0	33.0	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.2	32.2	
30		33.2	33.1	33.0	33.0	33.0	32.9	32.9	32.4	32.4	32.4	32.4	32.4	32.3	32.3	
31		33.3	33.2	33.1	33.1	33.1	33.1	33.1	32.9	32.9	32.9	32.9	32.9	32.2	32.2	
1-10 MEANS	SAMPLE SIZE	30.60	30.13	30.17	28.94	31.13	31.57	32.30	32.30	32.23	32.22	32.70	32.18	31.18		
11-20 MEANS	SAMPLE SIZE	28.60	30.10	27.08	27.57	30.02	31.87	31.42	32.73	32.64	32.73	32.04	32.04	30.55		
21-31 MEANS	SAMPLE SIZE	28.94	29.30	30.94	31.05	29.57	32.26	32.18	32.66	32.60	32.52	31.13	31.13	30.95		
MONTHLY MEANS	SAMPLE SIZE	29.42	29.79	29.40	29.09	30.32	31.88	31.97	32.54	32.52	32.64	31.88	31.88	30.94	31.03	
RANGE		4.3	4.0	11.4	13.2	5.4	2.6	4.8	1.4	1.5	1.2	2.2	2.2	1.7		
STANDARD DEV.		1.39	1.21	2.88	2.90	1.65	.74	1.08	.39	.40	.32	.56	.56	.44		

PCRT ORFORD

TEMPERATURE

YEAR 1974

YEAR 1974

SALINITY

PORT ORFORD

CRESCENT CITY

YEAR 1974

TEMPERATURE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	MAX	MIN
1	10.8	10.3	8.9	10.6	10.3	12.2	11.1	16.1	14.2	13.9	11.1	10.8			
2	8.1	8.0	11.9	16.0	16.1	12.2	15.3	14.4	13.6				11.1	10.8	
3	8.9	10.0	13.1	13.1	11.9	16.1	16.9	15.6	14.4				11.1	11.1	
4	6.9	10.0	11.4	11.4	13.1	13.9	16.7	16.1	11.7	10.8			10.6	10.6	
5	7.8	9.7	9.2	11.4	11.4	13.1	12.5	16.7	15.6				11.1	10.8	
6	6.9	9.4	9.4	12.5	11.1	11.1	13.6	17.2	16.1	11.9			11.1	10.8	
7	8.6	10.3	9.7	12.5	12.5	12.5	17.2	15.8	12.5	11.7			11.7	11.7	
8	8.9	7.8	9.4	10.8	10.0	10.0	14.4	17.2	17.2	12.5			12.5	11.1	
9	7.8	8.1	8.1	11.1	11.1	10.8	15.8	13.3	15.3	13.3			11.4	11.4	
10	11	7.8	9.2	9.4	10.8	11.1	16.7	13.3	15.8	13.3			11.1	11.1	
11	12	8.9	9.4	11.1	10.0	10.0	13.9	14.4	11.7	12.8			11.1	11.4	
13	13	8.9	9.4	9.4	9.4	14.7	14.4	16.4	12.5	12.5			11.9	11.4	
14	14	10.6	9.4	9.4	11.7	14.4	15.6	13.1	13.1	11.1			10.8	10.8	
15	15	10.8	9.4	11.7	10.0	14.4	14.7	15.3	13.9	13.1			11.1	11.1	
16	16	11.1	11.4	11.7	11.7	10.0	15.3	14.7	13.6	14.4			11.1	11.4	
17	17	11.4	11.4	10.6	11.1	13.9	16.4	15.0	13.3	13.6			11.4	11.4	
18	18	11.1	9.2	11.7	10.0	10.0	13.9	14.2	15.8	13.9			10.8	10.8	
19	19	9.7	9.7	10.0	10.0	12.2	13.3	17.8	14.6	13.9			11.1	11.1	
20	20	8.9	10.3	8.6	11.1	10.8	13.1	15.6	14.4	14.7			10.8	11.1	
21	21	10.3	8.3	12.5	10.8	12.8	15.0	16.0	13.1	12.5			10.6	11.1	
22	22	10.6	10.6	10.6	13.6	14.2	14.7	13.9	13.1	11.9			10.8	10.8	
23	23	10.8	10.8	10.6	11.1	14.4	15.0	13.3	12.8	12.2			10.6	10.6	
24	24	9.7	9.2	11.1	11.1	15.0	18.6	14.2	12.8	11.9			10.6	10.6	
25	25	9.4	11.1	11.7	11.7	14.4	15.3	14.7	13.1	10.8			10.0	10.0	
26	26	9.4	10.8	10.8	10.8	17.5	14.4	12.5	11.1	11.1			10.8	10.8	
27	27	9.7	8.9	11.1	10.6	12.5	14.2	15.0	12.2	11.9			11.1	11.1	
28	28	10.0	11.1	13.1	11.1	13.9	15.3	13.6	13.1	11.7			11.4	11.4	
29	29	10.0	11.1	12.5	10.6	14.2	14.4	15.0	14.4	11.1			9.7	9.7	
30	30	10.0	11.1	12.5	10.6	16.4	15.0	15.0	11.1	11.1			8.6	8.6	
31	31	10.0													
1-10 MEANS SAMPLE SIZE	8.28	9.95	9.32	11.75	11.44	11.66	13.82	15.71	15.61	13.01	11.15	10.94			
11-20 MEANS SAMPLE SIZE	10.47	9.20	9.68	10.98	10.54	14.02	15.50	15.04	13.37	13.33	11.20	11.14			
21-31 MEANS SAMPLE SIZE	10.16	8.88	11.26	11.53	11.30	13.83	15.84	14.51	12.84	11.79	10.94	9.90			
MONTHLY MEANS SAMPLE SIZE	9.48	9.33	10.26	11.39	11.11	13.34	15.07	15.07	14.02	12.67	11.12	10.74	11.97		6.9
MAXIMUM VALUE SAMPLE SIZE	11.4	10.3	12.5	13.1	13.6	15.0	18.6	17.2	17.2	14.4	11.9	11.4	18.6		
MINIMUM VALUE SAMPLE SIZE	6.9	8.3	8.9	10.0	9.4	10.0	11.1	13.3	11.7	11.1	10.6	8.6			
RANGE	4.5	2.0	3.6	3.1	4.2	5.0	7.5	3.9	5.5	3.3	1.3	2.8			
STANDARD DEV.	1.38	.54	1.05	.89	1.10	1.28	1.84	1.15	1.42	.97	.31	.69			

CRESCENT CITY										SALINITY						YEAR 1974			
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN				
1	30.3	24.9	23.2	16.8	33.6	27.7	33.7	33.3	32.3	32.9	33.7	33.7	32.0	32.0	32.0				
2	24.8												33.1		32.0				
3	26.0				16.0		29.7	30.8	32.0	33.2	33.0				32.0				
4	27.3	30.8			14.1		32.5	31.6	32.4	32.9	33.7	33.1			30.0				
5	26.1	31.2	24.0		19.4		26.9	32.4	32.4	33.1	33.6	33.6			30.6				
6	26.9	32.8	26.0		30.8		32.5	33.1	32.3	32.0	34.2	33.6			28.0				
7	29.7	32.5	31.4		31.5		33.1	32.8	32.8	31.6	34.1	32.7							
8	29.0	32.5				34.5		33.7	33.7	30.6	33.6	32.5							
9	26.1		29.0			33.2		29.9	33.4	32.9	33.4				31.2				
10	28.0					33.6		29.9	32.9	33.6	33.2				31.9				
11	28.9	27.2	27.8	29.3				31.0	32.5	33.7	33.1	32.8			29.1				
12	25.9	26.1	26.1	31.2				32.5	34.5			31.7			28.6				
13	26.1	26.0			34.6			33.1	32.7	33.4									
14	25.9	24.3	24.6		33.4		26.0	32.8	32.3	32.8					27.8				
15	22.9	26.4			28.6		28.5	33.2	32.9	33.3									
16	17.7				32.3	30.4		33.6	33.1	32.5					29.7				
17	15.1				28.2	29.0	30.8	32.9	31.4	32.3									
18	15.2	24.2	29.0			30.7	30.7	31.2	31.5	32.4	32.5				30.2				
19		24.3	31.7	33.7		31.5	30.6	30.8	32.7	32.3	32.7				30.3				
20		28.7					32.0	31.5	33.2	32.5	33.3				32.5				
21	30.2	23.8			32.4		32.3	32.4	33.6	32.5	32.5				29.7				
22	31.2	25.3	25.5			33.6	31.5	33.6	33.6	32.7	32.9	33.4							
23	31.4				27.1	31.7	30.6	33.6	33.2	32.7	32.9	34.1			32.3				
24	29.4				26.5	32.0	30.4		33.1	31.9	33.1				32.0				
25	26.5	27.4	24.1	26.3			29.8	31.9	33.3	32.4	33.1								
26		24.0	25.5	29.3			32.0	32.9	31.7	32.7	32.5								
27		24.2	25.9				31.9	32.4	32.4	32.8	32.8								
28	27.6	24.5	26.9			33.7	34.2	33.1	29.5	33.1	32.9	33.1							
29	26.4		27.5	31.7	34.1		34.2	32.9	32.7	32.3	33.8	32.7							
30	24.6		27.1	32.7	34.0	31.9		31.6			32.4				32.5				
31	23.6							30.4	35.4		33.3				32.7				
1-10 MEANS		27.42	30.78	26.72	16.58	32.54	30.26	32.17	32.67	32.53	33.47	33.20	30.81						
SAMPLE SIZE	10	6	5	4	5	5	5	5	5	10	10	9	6	6	7				
11-20 MEANS		20.95	25.89	27.53	30.55	31.78	29.77	32.26	32.48	32.97	32.82	32.54	29.34						
SAMPLE SIZE	6	8	6	6	5	6	5	6	10	10	10	9	6	8	7				
21-31 MEANS		27.88	24.87	26.07	29.43	33.18	31.88	32.52	32.65	32.60	33.26	31.52	32.32						
SAMPLE SIZE	9	6	7	7	6	7	6	9	11	8	8	5	5						
MONTHLY MEANS		26.03	27.05	26.74	26.80	32.54	30.84	32.31	32.60	32.71	33.23	32.48	30.67	30.33					
SAMPLE SIZE	25	20	18	17	16	20	28	31	28	23	19	19	19						
MAXIMUM VALUE	31.4	32.8	31.7	33.7	34.6	34.5	34.1	35.4	34.5	34.2	33.7	32.7			35.4				
MINIMUM VALUE	15.1	23.8	23.2	14.1	29.0	26.0	29.9	29.5	30.6	32.1	29.7	27.8							
RANGE	16.3	9.0	8.5	19.6	5.6	8.5	4.2	5.9	3.9	2.1	4.0	4.9							
STANDARD DEV.	4.41	3.20	2.37	6.32	1.59	2.32	1.19	0.98	0.73	0.55	0.91	1.56			14.1				

TEMPERATURE TRINIDAD HEAD

YEAR 1974

SALT POINT
TEMPERATURE
YEAR 1974

DAYS	TEMPERATURE											ANNUAL MEAN			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MAX	MIN	
1	10.5	10.1	10.6	12.0	10.3	10.2	11.2	12.1	11.9	12.2	10.5	10.5			
2	7.9	9.6	10.1	11.0	10.0	14.2	10.5	12.9	12.2	10.3	10.2	11.5			
3	7.9	9.4	9.6	10.0	8.9	11.2	10.0	13.4	13.0	12.0	10.5	11.5			
4	8.6	10.2	9.9	11.0	9.8	10.6	10.8	12.8	14.0	12.2	10.5	12.0			
5	9.4	9.0	10.0	11.0	10.4	12.0	10.8	12.8	14.2	12.6	12.2	11.1	11.5		
6	9.1	8.7	10.0	10.0	10.0	10.3	9.9	14.2	12.6	12.8	11.1	11.5			
7	9.0	8.9	9.6	10.3	9.4	9.2	10.8	12.7	12.9	13.0	12.2	11.0			
8	9.0	8.8	9.7	11.0	10.6	9.0	10.1	11.3	12.2	13.2	11.5	10.5			
9	9.2	8.9	10.0	10.8	9.8	10.6	11.0	12.2	12.3	14.0	11.0	12.0			
10	8.9	8.9	10.1	9.2	10.1	11.5	10.5	13.6	12.0	13.5	12.0	11.0			
11	9.0	9.8	10.5	9.0	12.0	11.0	13.5	12.1	11.5	12.0	12.0				
12	10.3	9.8	10.5	10.0	9.6	11.0	12.0	13.8	12.2	10.5	11.5	11.5			
13	10.9	8.7	9.1	10.0	9.0	11.0	11.9	14.0	12.5	10.3	11.5	10.5			
14	11.5	9.4	11.0	10.8	8.8	11.0	11.5	13.5	14.0	11.0	12.0	11.5			
15	11.5	9.0	11.8	9.0	9.0	11.6	10.8	13.0	12.0	12.0	12.0	11.5			
16	11.1	9.8	12.5	10.0	9.8	11.1	10.1	13.3	12.5	13.5	11.7	10.2			
17	11.0	9.9	10.1	10.3	8.4	11.8	10.5	12.7	12.0	11.5	12.0	12.0			
18	12.0	9.5	11.0	9.8	9.0	11.4	12.5	11.8	11.9	11.5	11.0	11.0			
19	10.9	10.0	11.0	9.0	10.1	12.5	10.2	11.5	12.0	12.3	12.0	10.5			
20	10.4	8.8	11.6	9.7	9.4	12.0	12.2	12.5	11.5	11.5	12.0	11.0			
21	9.5	9.7	11.3	9.9	10.2	13.4	11.5	10.5	11.5	10.5	12.0	11.0			
22	10.2	9.1	11.3	9.2	10.3	10.5	10.3	11.0	12.0	12.0	11.8	9.5			
23	9.4	9.6	10.4	9.9	10.2	11.0	12.5	11.0	11.8	12.5	12.5	8.5			
24	10.0	9.0	10.0	9.8	10.7	9.5	10.5	12.0	11.9	13.2	11.5				
25	10.0	9.5	11.0	9.9	9.5	10.9	14.0	12.1	11.5	12.5					
26	9.8	10.4	11.5	10.0	9.8	10.0	13.7	12.1	11.5	13.0	11.5	9.0			
27	9.4	8.9	12.0	9.9	9.4	10.5	13.8	12.5	12.0	12.8	12.0	10.0			
28	9.0	10.2	12.5	9.8	9.4	9.8	13.8	13.0	12.5	12.5	12.0	9.5			
29	9.0	12.0	9.7	11.1	10.7	12.8	12.2	13.0	12.0	12.0	11.5	9.0			
30	8.6	12.0	10.8	9.8	11.8	12.2	12.0	12.0	11.5	11.5	11.0	10.0			
31	10.0	12.0	12.0	12.4	11.5	12.0	12.0	11.5	11.2	11.2	10.0	10.0			
1-10 MEANS SAMPLE SIZE	8.95	9.25	9.96	10.63	9.93	10.88	10.58	12.82	12.48	12.54	11.06	11.30			
11-20 MEANS SAMPLE SIZE	10.86	9.47	10.91	9.84	9.21	11.49	11.25	12.93	12.47	11.61	11.77	11.17			
21-31 MEANS SAMPLE SIZE	9.54	9.55	11.45	9.89	10.25	10.81	11.45	12.51	12.31	12.10	11.52	10.73	10.97		
MONTHLY MEANS SAMPLE SIZE	9.77	9.41	10.80	10.13	9.81	11.04	11.45	12.51	11.97	12.15	11.79	9.61			
MAXIMUM VALUE	12.0	10.4	12.5	12.0	12.4	14.2	14.0	14.2	14.0	14.0	12.5	12.0			14.2
MINIMUM VALUE RANGE	7.9	8.7	9.1	9.0	8.4	9.0	9.9	10.5	11.5	10.3	10.2	8.5	7.9		
STANDARD DEV.	1.05	.52	.94	.69	.78	1.18	1.22	.92	.63	.96	.60	.98			

TEMPERATURE												YEAR 1974			
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	9.7	10.4	10.6	11.9	9.9	10.0	9.4	11.3	13.1	11.2					
2	9.5	9.6	10.8	11.3	9.0	10.0	10.3	11.5	13.1	11.2					
3	10.0	10.4	10.0	10.3	10.1	10.1	10.1	11.5	13.4	11.8					
4	9.8	9.9	11.7	9.7	11.0	13.6	11.1	11.5	13.1	11.5					
5	9.5	10.1	9.6	9.7	14.2	11.8	11.6	11.6	11.6	11.8					
6	9.5	10.1	9.2	9.2	12.1	14.1	12.2	12.2	12.2	12.2					
7	9.1	9.6	10.1	10.3	10.0	10.5	11.4	15.0	15.0	15.0					
8	9.0	9.7	9.4	10.4	9.6	11.3	13.8	10.8	14.9	14.9					
9	9.3	10.7	9.7	9.7	10.2	11.3	10.5	10.6	13.8	13.8					
10	9.2	10.0	9.7	9.6	10.9	12.0	10.9	10.9	11.5	11.5					
11	9.0	10.2	10.0	9.4	9.5	11.3	12.5	14.5	12.1	12.1					
12	10.4	10.1	10.1	9.5	10.9	12.5	14.5	14.5	14.5	14.5					
13	10.2	10.1	10.1	9.9	10.8	14.8	13.2	13.2	13.2	13.2					
14	10.4	10.1	10.3	9.8	11.9	13.6	13.6	13.6	13.6	13.6					
15	10.5	10.2	10.6	10.1	10.2	10.2	13.9	13.9	13.9	13.9					
16	10.7	9.4	9.9	9.9	9.8	12.6	13.1	13.5	13.5	13.5					
17	10.6	10.1	9.9	11.1	11.1	12.5	14.1	14.1	14.1	14.1					
18	11.1	10.7	10.3	11.8	9.8	12.9	13.8	13.8	13.8	13.8					
19	10.0	10.8	9.4	13.0	10.0	11.0	12.5	12.5	12.5	12.5					
20	9.5	11.1	11.1	13.1	10.0	10.0	12.0	12.0	12.0	12.0					
21	10.4	11.4	11.4	12.1	10.4	10.4	12.8	12.8	12.8	12.8					
22	10.1	9.6	11.6	9.0	9.4	9.9	11.4	11.4	11.4	11.4					
23	10.2	9.1	8.9	9.9	10.2	10.6	11.3	11.3	11.3	11.3					
24	10.4	9.4	9.0	9.8	11.0	11.6	13.4	13.4	13.4	13.4					
25	10.4	9.5	9.8	10.2	11.8	11.5	13.5	13.5	13.5	13.5					
26	10.5	11.7	10.4	9.6	12.4	12.9	11.9	11.9	11.9	11.9					
27	9.7	11.4	9.7	9.6	13.0	12.4	12.4	12.4	12.4	12.4					
28	9.9	10.6	11.6	9.8	8.8	12.4	14.4	14.4	14.4	14.4					
29	9.8	11.7	10.8	9.4	13.3	11.5	11.6	11.6	11.6	11.6					
30	9.8	10.1	11.2	11.2	11.3	13.3	11.5	11.5	11.5	11.5					
31	10.2				10.9		12.2	12.2	12.2	12.2					
1-10 MEANS SAMPLE SIZE	9.40	9.90	10.02	10.80	9.46	9.94	10.57	12.73	11.12	13.81	11.66	11.69			
11-20 MEANS SAMPLE SIZE	10.38	10.09	10.46	9.74	8.87	11.74	10.72	12.94	12.40	13.32	11.26	11.43			
21-31 MEANS SAMPLE SIZE	10.13	9.98	11.57	9.80	9.10	9.98	11.34	11.69	12.00	12.79	11.18	10.32			
MONTHLY MEANS SAMPLE SIZE	9.97	9.99	10.66	10.15	9.20	10.71	10.90	12.40	11.89	13.28	11.35	11.29	10.98		
MAXIMUM VALUE	11.1	10.6	11.7	11.9	10.0	13.1	13.3	14.8	13.3	15.0	12.2	11.9			
MINIMUM VALUE	9.0	9.5	9.4	9.0	8.8	8.8	9.4	10.0	10.6	11.5	10.6	10.1			
RANGE	2.1	1.1	2.3	2.9	1.2	4.3	3.9	4.8	2.7	3.5	1.6	1.8			
STANDARD DEV.	.59	.38	.71	.79	.40	1.22	1.05	1.45	.84	.96	.39	.55			
													8.8		

FARALLON IS.

TEMPERATURE

YEAR 1974

DAYS	TEMPERATURE											ANNUAL				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN	MAX	MIN		
1	10.8	10.8	10.7	11.6	10.3	9.9	10.7	13.2	13.5	14.5	12.8	12.0				
2	10.4	10.8	10.5	9.7	10.0	11.6	12.3	13.0	15.1	15.1	12.5					
3	10.6	10.6	10.5	9.8	10.0	11.4	13.7	13.1	15.9	15.9	12.3					
4	10.6	10.5	10.7	9.7	9.9	11.6	15.2	13.5	15.0	12.4	12.7					
5	10.6	10.5	10.5	11.7	10.0	10.8	11.0	15.4	13.9	15.1	12.9	12.6				
6	10.4	10.5	10.5	11.8	10.1	10.3	10.9	14.4	14.1	15.4	13.5	12.8				
7	10.4	10.5	10.6	11.8	10.1	9.8	12.2	13.9	13.8	14.2	13.0	12.5				
8	10.5	10.6	10.0	11.5	10.7	9.8	11.3	13.7	13.8	14.5	12.8	12.4				
9	10.4	11.0	10.1	11.1	10.5	10.1	11.8	13.0	13.8	14.6	12.1	12.3				
10	10.4	10.7	10.1	10.6	10.4	9.9	11.7	13.5	13.6	15.1	12.3	12.2				
11	10.5	10.5	10.4	10.4	9.9	10.6	12.2	14.0	13.2	14.9	12.1	12.2				
12	10.6	10.6	10.6	10.0	9.6	10.3	11.6	14.3	13.2	14.1	12.9	12.2				
13	10.6	10.6	10.6	10.1	9.6	10.5	10.5	14.5	14.1	13.8	12.3	12.1				
14		10.7	10.4	9.2	10.8	13.1	14.7	14.7	14.7	14.5	12.4	12.1				
15		11.6	11.0	9.3	11.5	12.2	13.5	14.0	13.6	13.6	12.3					
16		11.0	11.0	9.2	13.1	11.0	13.6	13.5	13.5	13.9	12.3	12.4				
17	10.4	10.8	10.3	9.3	12.5	11.3	13.6	14.2	14.5	12.1	12.3					
18		10.0	9.7	12.5	12.1	14.0	13.6	13.6	13.6	12.1	11.8					
19	11.3	10.4	11.6	10.0	9.6	11.3	11.8	12.4	14.0	13.3	12.2	12.0				
20	11.0	10.5	10.7	9.8	9.7	12.6	11.9	12.2	14.1	14.0	12.1					
21	10.9	10.4	10.7	9.9	10.1	13.6	11.9	12.5	13.8	13.8	12.0					
22	11.0	10.2	11.2	10.0	10.1	12.2	11.7	12.7	13.8	14.0	12.0	11.1				
23	10.3	11.5	10.0	9.9	11.2	11.9	12.3	13.6	14.0	12.3	11.2					
24	11.0	10.5	11.3	10.1	9.8	11.1	12.1	12.1	14.0	12.3	11.1					
25		10.8	10.4	10.0	11.0	12.7	12.2	13.7	14.5	14.5	11.5					
26		10.8	10.5	10.1	10.8	12.6	12.3	13.7	14.2	12.0	11.3					
27	10.9	10.7	10.5	9.9	11.3	12.8	12.8	13.5	14.3	12.0						
28	10.7		11.0	9.5	11.3	13.4	12.9	13.6	14.0	12.2						
29	10.7		11.0	9.6	11.8	13.8	12.6	15.2			11.4					
30		10.7	10.4	9.7	11.6	13.7	12.5	15.3	12.9		11.0					
31		11.6		9.8	13.7	13.3	13.3		13.0		10.9					
1-10 MEANS		10.49	10.72	10.40	11.44	10.13	10.05	11.42	13.83	13.61	14.94	12.44				
SAMPLE SIZE	8	8	9	7	10	10	10	10	10	10	10	10				
11-20 MEANS	11.15	10.48	10.95	10.30	9.51	11.57	12.09	13.68	13.86	14.02	12.30	12.13				
SAMPLE SIZE	2	5	8	10	10	10	10	10	10	10	9	9				
21-31 MEANS	10.84	10.53	11.26	10.38	9.86	11.57	12.82	12.56	14.02	13.87	12.13	11.28				
SAMPLE SIZE	7	7	5	10	11	9	10	11	9	10	6	9				
MONTHLY MEANS	10.71	10.59	10.81	10.63	9.84	11.04	12.11	13.33	13.82	14.28	12.40	11.93	11.79			
SAMPLE SIZE	17	20	21	27	31	29	30	31	29	30	25	26				
MAXIMUM VALUE	11.3	11.0	11.6	11.8	10.7	13.6	13.8	15.4	15.3	15.9	13.5	12.8	15.9			
MINIMUM VALUE	10.4	10.2	10.0	9.8	9.2	9.8	10.7	12.1	13.0	12.9	12.0	10.9				
RANGE	.9	.8	1.6	2.0	1.5	3.8	3.1	3.3	3.0	3.0	1.5	1.9				
STANDARD DEV.	.28	.20	.49	.63	.36	1.06	.90	.93	.53	.69	.38	.56				

FARALLON IS

SALINITY

YEAR 1974

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
													MEAN	MAX	MIN
1	33.18	32.76	33.33	32.99	33.66	34.11	33.88	33.73	33.94	33.56	33.30	33.41			
2	32.21	30.55	33.33	32.99	33.86	34.01	33.92	33.86	33.52	33.52	33.36				
3	33.25	33.32	33.90	34.12	33.92	33.80	33.71	33.78	33.69						
4	31.04	33.14	32.88	33.87	34.06	33.91	33.83	33.49	33.39						
5	32.99	32.48	33.33	32.45	33.84	33.85	33.93	33.72	33.84	33.38	33.84	33.52			
6	33.30	32.99	33.31	32.04	33.83	34.44	33.94	33.74	33.77	33.49	33.67	33.55			
7	32.99	32.94	33.26	32.67	33.80	34.31	33.19	33.85	33.72	33.33	33.56	33.54			
8	33.14	32.30	33.51	32.86	33.66	34.16	33.80	33.78	33.92	33.38	33.87	33.62			
9	33.28	32.89	33.54	32.96	33.67	34.07	33.85	33.96	33.76	33.56	33.36	33.62			
10	32.95	33.27	33.94	34.06	33.69	33.65	33.74	33.51	33.93	33.41					
11	32.96	33.57	33.93	33.98	33.72	33.67	33.77	33.11	33.43	33.53					
12	32.96	33.47	33.52	34.05	33.92	33.75	33.73	33.67	33.24	33.55					
13	33.45	33.49	34.14	33.98	33.90	33.70	33.63	33.05	33.83	33.01					
14	31.87	32.83	34.08	33.99	33.77	33.70	33.63	33.22	33.33						
15	32.94	32.82	34.08	33.90	33.79	33.67	33.61	33.19	33.41	33.44					
16	33.06	33.07	33.32	34.08	33.90	33.86	33.72	33.50	33.15	33.40	33.47				
17	33.42	33.42	33.56	33.98	33.65	33.59	33.59	33.59	33.59	33.59	33.59	33.61			
18	33.56	32.92	31.11	33.48	34.04	33.86	33.87	33.76	33.63	33.43	33.54				
19	33.23	33.32	32.91	33.83	34.17	33.66	32.89	33.80	33.44	33.20	33.29				
20	33.36	33.27	33.12	33.79	34.06	33.12	33.94	33.78	33.56	33.33					
21	33.36	33.32	32.44	33.78	34.20	33.38	32.92	33.73	33.87	33.26	33.51				
22	33.39	31.90	33.78	34.04	33.60	33.87	33.84	33.58	33.45	33.40	33.67				
23	31.66	33.38	31.70	33.79	34.01	33.78	33.95	33.80	33.44	33.42	33.40	33.43			
24	33.39	33.38	33.74	34.00	33.82	34.04	33.84	33.66	33.47	33.64					
25	33.29	33.42	33.75	34.01	33.90	33.87	33.75	33.57	33.40	33.54	33.44				
26	33.36	32.90	34.10	33.98	33.87	33.73	33.78	33.47	33.39	33.45					
27	32.56	33.43	34.13	34.13	33.83	33.83	33.74	33.58							
28	31.66	33.27	33.58	34.12	33.85	33.73	33.73	33.60	33.33	33.58	33.55				
29	33.00	32.28	33.34	32.69	33.81	34.15	33.87	33.79	33.49	33.55	33.56				
30															
31															
1-10 MEANS															
SAMPLE SIZE	8	8	8	7	10	10	10	10	8	10	10	8			
11-20 MEANS	33.39	33.04	32.69	33.36	34.06	33.88	33.82	33.70	33.62	33.27	33.52	33.46			
SAMPLE SIZE	2	5	7	10	9	10	10	10	10	10	9	9			
MONTHLY MEANS	32.95	32.85	32.90	33.25	33.98	33.92	33.86	33.76	33.67	33.37	33.51	33.48			
SAMPLE SIZE	17	20	27	30	29	31	31	31	27	30	25	26			
21-31 MEANS	32.75	33.36	32.49	33.54	34.07	33.70	33.89	33.77	33.63	33.37	33.44	33.44			
SAMPLE SIZE	7	7	5	10	11	9	11	11	9	10	6	9			
MAXIMUM VALUE	33.56	33.42	33.54	33.83	34.20	34.44	34.04	33.96	33.94	33.78	33.93	33.85			
MINIMUM VALUE	31.66	30.55	31.11	32.04	33.66	33.12	33.69	33.65	33.44	33.05	33.30	33.01			
RANGE	1.90	2.87	2.43	1.79	.54	1.32	.35	.31	.50	.73	.63	.84			
STANDARD DEV.	.58	.77	.70	.48	.15	.27	.08	.07	.13	.17	.19	.17			
															30.55

PACIFIC GROVE TEMPERATURE YEAR 1974

DAYS	ANNUAL											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	MEAN	MAX	MIN									
1	11.2	11.2	11.2	12.1	13.1	11.5	12.8	15.2	13.9	14.7	14.7	12.0
2	10.5	11.0	10.9	12.4	12.6	11.8	11.5	14.8	13.6	14.5	14.5	12.1
3	10.6	10.8	11.0	12.3	12.8	11.8	12.2	15.3	14.0	14.2	14.5	12.5
4	10.2	11.2	10.8	12.4	12.7	11.5	12.0	15.0	14.8	14.3	13.9	12.5
5	10.3	10.8	10.9	12.9	12.3	12.4	13.1	14.9	14.1	14.6	13.5	12.6
6	10.4	10.8	11.0	13.4	11.9	12.2	13.2	16.2	15.5	14.9	13.4	12.6
7	10.4	10.7	11.1	13.0	11.3	12.5	13.2	16.2	15.0	14.6	12.9	13.2
8	10.4	10.5	10.6	13.4	13.3	13.0	14.7	15.8	15.2	14.5	12.9	12.9
9	10.7	10.2	11.0	12.6	11.0	14.1	13.7	15.6	13.9	14.4	12.7	12.5
10	10.5	11.2	11.0	12.6	11.8	11.5	13.6	16.0	13.6	14.9	13.3	12.4
11	10.4	11.4	11.6	13.0	12.0	11.6	14.6	15.6	13.9	15.0	12.8	12.5
12	11.3	11.2	10.9	13.5	12.3	11.8	15.1	15.0	13.7	15.9	12.7	12.9
13	11.4	11.1	11.4	13.9	11.7	12.3	15.4	15.7	14.8	15.8	12.5	12.6
14	11.5	11.2	11.9	14.0	12.1	13.4	15.3	15.8	14.9	15.4	12.8	12.8
15	11.4	11.5	12.2	12.6	12.3	13.9	14.9	15.7	14.7	15.0	12.7	13.1
16	11.7	11.7	12.3	11.9	12.0	14.2	14.9	15.7	14.8	15.2	12.8	12.4
17	11.8	11.6	12.3	11.7	12.1	13.7	15.3	15.9	14.9	14.7	12.9	12.6
18	11.9	11.4	11.6	11.8	12.4	13.3	15.2	16.0	14.9	14.3	12.5	12.3
19	12.0	11.3	11.2	11.6	12.7	13.4	14.5	16.0	14.9	14.6	12.5	11.7
20	11.6	11.1	11.6	12.2	13.0	13.9	15.2	16.1	15.0	14.0	12.0	11.4
21	11.2	11.2	11.4	12.0	12.4	14.7	14.7	15.6	14.9	13.9	11.8	11.4
22	11.1	11.5	11.3	12.3	13.3	14.2	14.5	15.9	14.0	12.5	10.9	10.9
23	10.9	11.1	11.7	12.2	12.8	14.4	14.0	14.3	14.8	14.4	12.6	11.0
24	11.1	10.7	12.0	11.9	13.9	14.6	13.5	14.3	15.0	14.4	12.5	10.7
25	11.2	11.1	12.2	11.6	12.6	14.2	15.0	14.0	14.4	12.7	10.6	10.6
26	11.4	11.7	12.2	12.2	13.1	14.7	15.7	14.8	13.9	15.2	12.0	10.6
27	10.9	11.4	11.8	13.6	13.6	14.3	14.4	14.1	14.5	15.6	12.0	10.6
28	11.2	11.0	11.7	13.0	12.0	14.1	15.9	14.1	13.9	14.9	12.1	11.0
29	10.9	12.1	12.8	12.2	14.2	15.0	13.9	14.5	14.9	12.0	10.9	10.9
30	11.1	12.6	13.4	11.7	13.6	15.1	14.0	14.9	15.0	12.1	11.0	11.0
31	11.0	12.7	11.7	11.5	15.2	13.9	14.9	14.9	14.9	12.1	11.0	11.0
1-10 MEANS SAMPLE SIZE	10.52	10.84	10.95	12.71	12.07	12.26	13.10	15.50	14.36	14.56	13.63	12.53
11-20 MEANS SAMPLE SIZE	11.50	11.35	11.70	12.62	12.26	13.15	15.04	15.75	14.65	14.99	12.62	12.43
21-31 MEANS SAMPLE SIZE	11.07	11.21	11.97	12.50	12.65	14.30	14.82	14.45	14.57	14.70	12.23	10.88
MONTHLY MEANS SAMPLE SIZE	11.03	11.13	11.55	12.61	12.34	14.34	15.21	14.53	14.75	14.83	11.91	12.95
MAXIMUM VALUE	12.0	11.7	12.7	14.0	13.9	14.7	15.9	16.2	15.5	15.9	14.7	13.2
MINIMUM VALUE	10.2	10.2	10.6	11.6	11.0	11.5	11.5	13.9	13.6	13.9	11.8	10.6
RANGE	1.8	1.5	2.1	2.4	2.9	3.2	4.4	2.3	1.9	2.0	2.9	2.6
STANDARD DEV.	.50	.36	.58	.69	.68	1.12	1.08	.78	.53	.50	.76	.86

PACIFIC GROVE

SALINITY

YEAR 1974

DAYS	ANNUAL											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	MEAN	MAX	MIN									
1	33.72	33.40	33.79	33.70	33.90	34.53	34.01	33.84	33.87	33.80	33.76	33.82
2	33.60	33.42	33.57	33.13	33.90	34.45	33.99	33.85	33.83	33.45	33.73	33.87
3	33.58	33.48	33.66	33.00	33.88	34.18	34.53	33.82	33.80	33.65	33.71	33.32
4	33.49	33.45	33.88	33.28	33.91	34.01	34.07	33.84	33.95	33.73	33.69	33.39
5	33.66	33.52	33.69	33.23	33.83	33.94	33.88	33.81	33.84	33.75	33.62	33.29
6	33.50	33.62	33.61	32.96	33.96	34.00	33.93	33.73	33.94	33.75	33.62	33.38
7	33.22	33.60	33.58	33.16	33.88	34.86	33.95	33.79	33.79	33.71	33.68	33.75
8	33.54	33.64	33.31	33.92	34.16	33.76	33.90	33.84	33.84	33.54	33.67	33.66
9	33.69	33.68	33.39	33.22	34.05	34.10	33.82	33.96	33.76	33.57	33.68	33.63
10	33.76	33.68	33.19	33.49	33.96	33.89	33.85	33.80	33.63	33.67	33.67	33.66
11	33.67	33.73	33.70	33.12	34.31	33.86	33.79	33.91	33.78	33.69	33.69	33.68
12	33.49	33.67	33.62	33.18	33.92	34.13	33.90	33.79	33.79	33.62	33.72	33.59
13	33.54	33.66	33.56	33.30	33.97	34.35	33.88	33.90	33.79	33.66	33.62	33.61
14	33.54	33.66	33.62	33.31	33.92	34.10	34.03	33.87	33.85	33.74	33.59	33.74
15	33.58	33.70	33.52	33.66	33.92	34.05	33.89	33.78	33.80	33.72	33.63	33.63
16	33.61	33.65	33.50	33.79	34.03	34.06	33.97	33.84	33.80	33.68	33.70	33.61
17	33.44	33.63	33.46	33.83	34.19	33.96	33.90	33.84	33.86	33.83	33.66	33.67
18	33.50	33.64	33.64	33.74	34.05	33.99	33.92	33.88	33.70	33.71	33.61	33.79
19	33.46	33.52	33.70	33.80	33.98	33.89	33.92	33.89	33.90	33.68	33.66	33.65
20	33.52	33.62	33.77	33.74	34.21	33.86	33.94	33.87	33.74	33.65	33.58	33.71
21	33.43	33.66	33.74	33.76	33.91	33.73	33.98	33.75	33.74	33.67	33.51	33.79
22	33.57	33.66	33.76	33.79	33.06	33.91	33.64	33.55	33.73	33.67	33.64	33.93
23	33.56	33.66	33.70	33.63	33.78	33.98	33.97	33.84	33.86	33.67	33.67	33.67
24	33.40	33.64	33.66	33.54	33.86	34.15	33.98	33.79	33.75	33.71	33.71	33.75
25	33.34	33.62	33.26	33.56	34.21	33.98	33.89	33.87	33.80	33.70	33.74	33.73
26	32.95	33.67	33.88	33.50	33.95	33.97	33.93	33.75	33.77	33.80	33.64	33.89
27	33.28	33.70	33.35	33.69	34.11	34.16	33.98	33.72	33.76	33.66	33.73	33.82
28	33.07	33.72	33.36	33.80	34.11	33.96	33.80	33.80	33.70	33.56	33.68	33.68
29	33.29	33.54	33.83	34.06	34.03	33.83	33.80	33.71	33.67	33.67	33.72	33.72
30	33.28	33.14	33.83	34.08	33.99	33.91	33.80	33.70	33.64	33.73	33.75	33.75
31	33.35	33.07	33.07	34.24	33.80	33.74	33.60	33.64	33.64	33.74	33.74	33.74
1-10 MEANS	33.58	33.55	33.57	33.23	33.92	34.25	33.98	33.84	33.83	33.65	33.69	33.58
SAMPLE SIZE	10	10	10	10	9	10	9	10	10	10	10	10
11-20 MEANS	33.54	33.65	33.61	33.55	34.03	34.07	33.92	33.84	33.81	33.74	33.65	33.67
SAMPLE SIZE	10	10	10	9	10	9	10	10	10	10	10	10
21-31 MEANS	33.32	33.67	33.50	33.69	33.94	33.99	33.89	33.79	33.74	33.67	33.65	33.78
SAMPLE SIZE	11	8	11	10	11	10	11	11	11	11	10	11
MONTHLY MEANS	33.47	33.62	33.56	33.49	33.96	34.10	33.93	33.82	33.80	33.69	33.66	33.68
SAMPLE SIZE	31	28	31	30	30	29	31	31	30	31	30	31
MAXIMUM VALUE	33.76	33.73	33.88	33.83	34.24	34.86	34.53	34.13	33.95	33.76	33.93	34.86
MINIMUM VALUE	32.95	33.40	33.07	32.96	33.06	33.73	33.64	33.55	33.70	33.45	33.47	32.95
RANGE	.81	.33	.81	.87	1.18	1.13	.89	.58	.25	.50	.29	.64
STANDARD DEV.	.18	.09	.21	.29	.21	.23	.14	.09	.07	.09	.07	.16

PT LCBOS NCRTH

YEAR 1974

TEMPERATURE

	DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	12.0	10.5	11.0	12.5	11.0	11.0	12.0	12.0	14.0	14.0	14.0	14.0	12.0	12.0	12.0	
2	12.0	9.0	11.0	12.0	11.0	11.0	12.0	13.4	12.8	14.0	14.0	12.0	12.0	12.0	12.0	
3	10.0	9.0	10.5	12.0	10.3	11.5	12.0	14.0	12.8	14.5	14.5	13.0	13.0	13.5	13.5	
4	11.0	10.5	10.0	11.0	10.0	11.5	12.5	13.1	14.0	13.4	14.0	12.3	12.3	13.5	13.5	
5		10.0	10.8	11.0	10.5	10.5	12.5	13.1	14.0	13.4	14.0	12.3	13.0			
6		9.5	11.0	11.0	11.0	11.0	12.0	13.0	14.0	13.4	14.0	12.2	13.0			
7	12.0	9.8	11.0	11.0	11.0	11.0	12.0	13.0	14.0	13.9	14.0	12.5	13.0			
8	10.0	11.0	10.0	11.0	11.0	11.0	10.0	11.0	14.0	13.8	15.0	12.5	13.0			
9	10.0	11.0	10.0	10.0	10.0	11.0	11.0	13.0	14.0	14.1	14.0	12.8	13.0			
10	10.0	9.0	10.0	10.0	10.0	11.0	11.0	13.0	15.0	13.1	14.0	12.2	12.5			
11	10.2	11.0	10.2	10.3	11.5	11.5	12.1	15.0	13.1	15.0	15.0	12.0	13.5			
12	10.5	11.0	10.2	11.0	10.0	10.0	13.5	15.0	13.5	13.5	13.8	12.0	13.0			
13	11.0	11.0	10.2	10.5	11.0	11.0	11.0	16.0	16.0	13.5	10.4	12.0	14.0			
14	11.0	11.1	10.2	10.5	11.0	11.0	11.5	13.0	15.0	14.2	13.8	12.8	11.8			
15	11.0	10.5	11.0	11.0	10.8	13.0	13.0	15.0	15.0	14.3	14.0	13.0	11.6			
16	11.1	11.0	11.0	11.5	10.8	13.5	12.2	15.5	14.3	14.3	14.0	13.0				
17	11.5	11.0	11.0	11.0	10.3	13.0	13.5	15.2	15.0	14.5	12.5	11.5				
18	11.5	10.0	11.0	12.0	11.0	12.0	14.0	14.2	14.0	13.9	12.5	13.0				
19	11.0	10.0	11.5	11.1	10.5	13.0	13.0	14.1	14.0	14.0	12.0	11.9				
20	11.5	10.5	11.0	11.0	12.0	14.0	13.0	13.5	14.0	14.2	11.0	13.5				
21	11.0	10.1	11.0	10.0	12.0	13.0	13.0	13.0	14.0	14.2	12.0	11.0				
22	10.0	10.0	11.0	10.0	11.5	13.5	13.5	13.5	14.0	14.2	12.0	11.3				
23	10.8	10.0	10.0	11.0	11.0	11.5	13.5	12.8	13.5	14.0	14.5	11.9				
24	10.0	10.0	11.0	10.0	11.5	12.0	12.0	13.7	13.2	14.0	14.8	11.8	10.0			
25	11.0	9.5	11.1	11.1	11.0	12.0	16.0	12.8	14.0	15.0	15.0	9.9				
26	12.0	10.0	11.5	11.0	12.0	12.0	14.5	13.2	13.0	15.0	12.5	11.0				
27	10.0	10.0	11.5	11.5	12.0	14.5	13.6	13.0	16.1	11.5	11.0					
28	10.9	10.0	11.5	12.0	11.5	11.0	12.0	14.0	14.0	13.0	15.1	11.6				
29	10.0	12.0	11.5	11.0	12.0	15.0	14.1	14.0	14.0	14.0	12.5					
30	10.0	12.5	11.0	11.0	12.0	15.0	15.0	13.8	14.0	14.0	11.8	11.0				
31	10.2	12.0	12.0	11.0	11.0	15.0	15.0	13.8	13.5	13.5	11.0					
1-10 MEANS		10.88	9.93	10.53	11.15	10.73	11.28	12.45	14.08	13.41	14.17	12.58	12.93			
SAMPLE SIZE	8	10	10	10	10	9	10	9	10	10	9	10	10			
11-20 MEANS		11.03	10.71	10.70	10.99	10.89	12.50	13.13	14.85	13.99	13.73	12.21	12.73			
SAMPLE SIZE	10	10	9	10	10	9	10	9	10	10	9	10	10			
21-31 MEANS		10.54	9.95	11.37	10.84	11.41	12.40	14.15	13.47	13.70	14.58	11.96	10.69			
SAMPLE SIZE	11	8	11	9	11	10	10	10	10	10	11	10	9			
MONTHLY MEANS		10.80	10.21	10.89	11.00	11.02	12.07	13.24	14.13	13.70	14.19	12.25	12.17	12.14		
SAMPLE SIZE	29	28	30	29	31	28	30	30	30	30	29	30	29			
MAXIMUM VALUE	12.0	11.1	12.5	12.0	14.0	15.0	16.0	16.1	14.0	14.0	14.0	14.0	14.0		16.1	
MINIMUM VALUE	10.0	9.0	10.0	10.0	10.0	10.0	11.0	12.8	10.4	11.0	11.0	9.9	9.9			9.0
RANGE	2.0	2.1	2.5	2.0	4.0	4.0	4.0	4.0	4.0	5.7	3.0	4.1				
STANDARD DEV.	.71	.65	.68	.53	.99	.80	.55	.91	.55	.55	.55	1.21				

PT LCBOS SOUTH

TEMPERATURE

YEAR 1974

DAYS	TEMPERATURE											ANNUAL MEAN				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MAX	MIN		
1	10.0	10.0	10.5	11.5	10.5	11.0	11.5	12.2	12.0	13.0	14.5	12.0				
2	11.5	8.0	10.0	11.8	10.5	11.0	11.5	11.9	11.8	13.5	11.7	12.3				
3	10.0	8.0	9.5	11.5	10.0	11.0	11.5	13.0	11.8	14.8	12.0	13.0				
4	10.0		10.5	10.8	10.0	11.0	12.2	14.0	11.8	13.5	12.0	13.0				
5			10.0	11.0	10.0	11.5	12.8	13.5	12.1	13.5	12.0	12.5				
6			10.8	10.5	10.5	10.5	12.0	13.0	12.0	13.5	12.0	13.0				
7	10.0	10.0	9.5	10.8	11.5	12.0	13.5	13.0	13.5	12.0	12.0	13.0				
8	10.5	9.8	10.5	10.5	10.5	10.0	11.5	13.5	12.7	14.0	12.0	12.4				
9	10.0	9.0	9.0	10.0	10.0	10.0	12.8	13.5	12.9	12.0	12.0	13.5				
10	10.0	8.0	10.0	10.5	10.5	10.7	13.5	14.0	12.0	13.5	12.0	12.0				
11	10.2	10.5	10.0	10.0	10.0	11.0	14.0	14.0	12.0	14.5	11.2	13.0				
12	11.5	10.0	10.0	10.5	9.5	10.5	14.0	13.7	13.0	12.8	11.4	12.5				
13	10.0	10.5	10.0	9.5	10.0	10.5	12.0	14.5	13.0	10.3	11.4	13.5				
14	10.8	11.0	10.0	10.5	10.5	11.0	12.0	14.0	14.0	14.0	11.8	11.3				
15	10.0	11.0	10.8	10.5	10.5	11.0	12.0	14.0	14.5	13.5	12.3	11.0				
16	11.0	10.0	10.0	10.0	11.0	10.5	12.0	11.0	15.0	13.8	13.0	12.2	11.0			
17	11.0	10.0	10.0	10.5	10.5	12.0	13.0	13.1	14.5	14.0	11.8	11.3				
18	11.0	11.0	10.0	11.5	10.0	12.5	13.7	12.1	13.0	12.8	12.0	12.5				
19	9.0	11.0	11.0	11.0	10.0	11.5	13.5	12.5	12.1	14.0	11.0	13.0				
20	10.5	10.0	10.0	10.0	11.0	10.0	12.0	13.0	13.0	13.5	13.0	13.0				
21	10.7	10.0	10.8	10.0	11.5	12.0	12.0	12.1	12.4	13.7	11.5	11.5				
22	10.0	10.0	10.8	10.0	11.5	12.0	13.0	13.0	13.4	13.7	11.5	10.8				
23	10.5	9.0	10.5	10.5	11.0	11.0	11.5	12.4	12.4	14.0	11.2	9.5				
24	10.0	9.0	10.5	10.5	10.0	11.0	11.5	12.0	12.0	12.4	11.2	9.0				
25	10.8	9.5	11.1	11.0	10.0	11.5	13.5	12.8	13.5	14.5	12.0	9.9				
26	10.0	9.0	11.0	10.5	10.0	11.7	14.0	13.2	12.5	15.0	12.0	11.0				
27	10.0	9.8	11.0	10.0	10.0	11.5	14.0	13.0	12.5	15.6	11.0	11.0				
28	10.0	9.5	11.0	10.5	10.0	11.7	15.5	13.5	12.5	15.5	11.3					
29	10.0	12.0	11.0	10.5	10.5	11.7	13.5	14.0	13.5	14.5	11.5					
30	10.0	12.0	10.5	10.5	10.7	11.5	14.5	13.5	13.5	13.7	12.0	10.5				
31	10.0	12.0	10.7	10.7	10.7	14.0	17.5	17.5	13.3	13.3	10.5					
1-10 MEANS		10.25	8.67	9.81	10.71	10.33	10.86	12.13	13.21	12.21	13.64	12.22	12.67			
SAMPLE SIZE	8	3	10	10	10	9	10	10	10	10	9	10	10			
11-20 MEANS	10.50	10.50	10.20	10.50	10.22	11.72	12.62	13.55	13.38	13.20	11.56	12.18				
SAMPLE SIZE	10	10	9	10	9	9	10	10	10	9	10	10				
21-31 MEANS	10.18	9.47	11.15	10.44	10.63	11.61	13.45	13.35	12.86	14.34	11.59	10.41				
SAMPLE SIZE	11	8	11	9	11	10	10	10	10	11	10	9				
MONTHLY MEANS	10.31	9.85	10.42	10.56	10.41	11.40	12.73	13.37	12.82	13.77	11.79	11.80	11.60			
SAMPLE SIZE	29	21	30	29	30	28	30	30	30	30	29	30	29			
MAXIMUM VALUE	11.5	11.0	12.0	11.8	11.5	13.5	15.5	17.5	14.5	15.6	14.5	13.5	17.5			
MINIMUM VALUE	9.0	8.0	8.0	9.5	9.5	10.0	11.0	11.9	11.8	10.3	10.5	9.0				
RANGE	2.5	3.0	4.0	2.3	2.0	3.5	4.5	5.6	2.7	5.3	4.0	4.5				
STANDARD DEV.	.54	.88	.85	.59	.51	.73	1.13	1.11	.78	.98	.66	1.23				

MORR BAY												TEMPERATURE						
												YEAR 1974						
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN			
1	11.1	10.6	11.7	12.8	11.7	12.2	12.2	13.9	15.6	15.0	15.0	13.3						
2	11.1	11.1	11.7	12.8	12.2	12.8	12.8	14.4	14.4	15.0	15.0	13.3						
3	11.1	11.1	11.1	11.1	12.2	12.8	12.8	14.4	13.9	15.6	15.0	13.3						
4	10.1	10.6	11.1	12.2	12.2	13.3	13.9	15.6	13.3	14.4	13.3	13.3						
5	10.6	10.6	11.1	12.2	12.8	15.0	14.4	16.7	14.4	14.4	12.8	13.9						
6	10.6	11.1	11.1	12.2	12.2	15.0	15.6	17.2	13.9	14.4	12.2	13.9						
7	11.1	10.6	12.2	11.7	12.2	13.3	14.4	16.7	14.4	14.4	12.8	13.3						
8	10.6	10.6	11.1	11.1	12.2	15.0	14.4	17.8	14.4	14.4	12.8	13.3						
9	11.1	10.6	11.7	13.3	12.2	15.6	13.3	15.6	15.0	13.9	12.8	13.3						
10	11.6	10.6	11.1	12.2	12.8	15.6	15.6	15.6	13.9	13.9	12.2	13.3						
11	11.1	11.1	11.7	11.7	12.8	14.4	16.7	14.4	13.3	13.9	11.1	13.3						
12	11.1	12.2	11.1	12.8	14.4	15.0	15.0	15.0	13.3	13.9	11.7	13.3						
13	11.1	11.2	11.7	11.7	12.8	13.3	13.9	14.4	15.0	13.0	13.9	11.7						
14	11.1	11.6	11.7	11.1	12.8	14.4	12.2	13.9	15.6	14.4	12.8	12.8						
15	11.6	10.0	10.6	12.2	11.1	13.3	12.2	14.4	15.6	14.4	12.8	13.3						
16	13.3	10.6	12.2	11.1	11.1	13.9	12.8	15.6	15.0	14.4	13.3	12.8						
17	12.2	11.1	11.7	11.7	12.2	13.9	16.7	15.0	15.6	14.4	12.8	11.7						
18	12.2	11.1	11.7	11.7	12.2	13.9	13.3	13.3	14.4	15.0	12.2	11.7						
19	12.2	10.6	11.7	12.2	12.2	13.9	15.0	16.1	14.4	15.0	12.2	11.1						
20	12.2	12.2	12.2	10.6	11.1	13.3	12.2	15.6	15.6	15.0	12.2	11.1						
21	11.6	11.6	12.2	11.1	11.1	13.9	14.4	16.1	15.6	15.6	12.2	11.1						
22	11.6	10.6	11.7	11.1	12.8	17.2	15.6	14.4	15.6	15.6	12.8	11.1						
23	11.1	11.1	12.2	11.1	12.8	16.7	16.1	13.3	14.4	14.4	12.8	11.7						
24	11.1	10.6	12.2	12.2	13.3	15.0	15.6	14.4	14.4	15.6	12.8	11.1						
25	11.1	11.1	11.7	12.8	13.3	13.9	15.6	14.4	13.4	14.4	12.8	12.2						
26	11.1	13.3	13.3	12.2	12.8	13.3	15.6	14.4	14.4	15.6	12.8	11.7						
27	11.6	12.8	12.8	11.7	12.2	12.2	14.4	14.4	14.4	15.6	13.3	11.1						
28	11.1	11.7	13.3	12.2	12.2	11.7	14.4	14.4	14.4	16.1	13.3	11.7						
29	11.1	12.8	12.8	12.8	12.2	13.3	15.0	14.4	14.4	16.1	13.3	12.2						
30	11.1	13.3	12.2	12.2	12.2	13.3	15.0	14.4	15.0	15.0	13.9	11.7						
31	11.1	13.3	13.3	13.3	13.3	13.3	13.3	15.0	14.4	14.4	11.7							
1-10 MEANS		10.90	10.75	11.39	12.16	12.27	14.12	13.94	15.32	14.54	13.39	13.42						
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10						
11-20 MEANS		11.81	11.21	11.63	11.57	12.11	13.87	14.34	14.77	14.78	14.43	12.28	12.44					
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10						
21-31 MEANS		11.24	11.60	12.62	11.94	12.97	13.88	14.85	14.57	14.54	15.25	13.00	11.52					
SAMPLE SIZE	11	8	11	10	6	10	11	11	11	10	11	11						
MONTHLY MEANS		11.31	11.16	11.90	11.89	12.37	13.96	14.39	15.03	14.55	14.76	12.89	13.05					
SAMPLE SIZE	31	28	31	30	26	30	31	31	30	31	30	31						
MAXIMUM VALUE		13.3	13.3	13.3	13.3	13.3	17.2	16.7	17.8	15.6	16.1	15.0	13.9					
RANGE	3.2	3.3	2.7	2.7	2.2	5.5	4.5	4.5	2.3	2.2	3.9	2.8						
STANDARD DEV.	.61	.75	.74	.66	.61	1.31	1.06	.74	.65	.91	.99							
												10.0						

PORT SAN LUIS

TEMPERATURE

YEAR 1974

DAYS	TEMPERATURE											ANNUAL				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	MAX	MIN	
1	11.1	12.0	11.8	13.1	12.8	12.3	12.1	17.1	16.0	14.8	14.1	12.8				
2	11.1	12.9	12.3	13.2	10.9	12.6	13.3	16.4	15.3	14.8	13.6	12.8				
3	10.9	13.8	11.9	12.7	10.9	12.0	14.2	15.0	15.6	14.3	13.6	13.1				
4	10.9	13.1	12.2	16.0	10.9	12.7	15.1	14.9	17.2	16.3	13.6	13.2				
5	10.6	12.3	12.2	12.0	10.9	12.6	10.7	14.2	16.6	14.8	13.7	13.3				
6	10.0	11.7	11.9	12.4	11.6	13.2	12.3	16.2	17.4	14.3	13.6	13.2				
7	10.4	12.2	11.4	12.9	12.6	14.6	14.6	16.6	14.4	14.2	13.2	13.4				
8	11.7	11.9	11.9	11.9	12.7	13.3	12.0	14.3	15.9	14.4	13.2	13.4				
9	11.2	12.2	12.0	10.9	12.0	14.6	15.7	15.2	17.4	14.9	13.1	13.7				
10	11.2	12.0	12.1	10.6	12.2	13.9	14.6	14.8	15.8	14.4	13.2	13.3				
11	10.9	11.8	12.6	11.2	14.1	13.6	12.9	14.9	15.9	15.6	12.8	13.4				
12	11.8	12.6	12.0	13.6	12.7	13.3	14.1	14.8	14.6	15.2	12.9	13.6				
13	12.2	12.2	14.0	14.1	12.3	13.6	15.7	14.3	14.8	15.6	13.1	13.4				
14	13.4	12.0	14.1	14.2	12.4	12.7	14.9	14.4	14.9	16.2	12.8	13.1				
15	12.7	12.1	14.2	13.6	11.3	13.7	15.0	14.9	15.8	16.9	12.7	13.1				
16	12.0	11.6	14.1	12.9	12.1	12.7	14.8	15.0	15.8	16.1	12.7	13.6				
17	12.9	11.4	13.6	11.4	11.4	13.7	15.2	16.0	16.1	16.1	12.7	13.1				
18	13.3	11.6	13.2	11.2	10.3	14.8	15.4	15.6	16.4	15.7	13.0	12.8				
19	13.0	11.3	12.9	10.8	10.9	14.0	17.0	16.1	15.6	15.6	12.4	12.6				
20	12.4	11.4	13.0	11.1	10.9	13.7	17.1	16.7	15.7	14.9	12.4					
21	12.7	11.4	12.9	14.3	12.2	14.3	16.3	15.9	15.9	15.0	12.3	12.4				
22	12.8	11.7	12.0	12.2	16.6	15.3	16.6	15.3	15.6	14.8	12.7	12.1				
23	12.0	12.4	12.2	13.8	14.8	16.4	15.2	15.1	14.9	13.0	11.6					
24	12.8	12.2	12.4	12.6	15.4	14.8	16.7	14.8	13.7	14.8	13.0	11.3				
25	12.2	12.9	12.2	12.0	12.3	15.3	15.3	15.2	13.7	14.7	13.1	11.0				
26	13.4	12.1	13.1	11.3	16.6	11.4	16.3	14.9	12.8	14.9	13.0	11.4				
27	14.8	12.0	14.1	11.3	15.3	14.2	15.7	16.0	13.7	14.8	12.8	11.4				
28	12.2	11.4	13.7	11.6	13.4	12.9	16.7	15.1	13.8	14.8	12.8	10.8				
29	11.9	14.1	14.3	11.4	12.2	16.9	15.2	14.3	14.3	12.4	11.2					
30	12.2	13.9	11.3	11.3	12.6	15.9	15.6	14.8	14.3	12.9	11.4					
31	12.0	13.6	13.6	12.2	16.1	16.6	14.6	14.2	11.0	11.2						
1-10 MEANS		10.91	12.41	11.97	12.57	11.75	13.18	13.33	15.47	16.16	14.52	13.47	13.22			
SAMPLE SIZE	10	10	10	10	10	10	9	10	9	10	10	10	10	10	10	
11-20 MEANS		12.46	11.80	13.37	12.52	11.84	13.58	15.21	15.29	15.65	15.79	12.75	13.19			
SAMPLE SIZE	10	10	10	9	10	10	10	10	10	10	10	10	10	10	9	
21-31 MEANS		12.70	11.96	13.13	12.42	14.14	13.61	16.26	15.44	14.34	14.72	12.80	11.44			
SAMPLE SIZE	10	8	11	9	11	9	11	11	11	10	10	10	10	10	11	
MONTHLY MEANS	12.02	12.06	12.83	12.51	12.63	13.45	15.03	15.40	15.38	15.01	13.01	12.56	13.49			
SAMPLE SIZE	30	28	31	28	31	29	30	31	30	30	30	30	30	30	30	
MAXIMUM VALUE	14.8	13.8	14.2	16.0	17.3	15.3	17.1	17.1	17.4	16.9	14.1	13.7				
MINIMUM VALUE	10.0	11.3	11.4	10.6	10.3	11.4	10.7	14.2	12.8	14.2	12.3	10.8				
RANGE	4.8	2.5	2.8	5.4	7.0	3.9	6.4	2.9	4.6	2.7	1.8	2.9				
STANDARD DEV.	1.07	.58	.88	1.32	1.87	.98	1.68	.78	1.17	.68	.42	.94				
													17.4			
															10.0	

PORT SAN LUIS

SALINITY

YEAR 1974

DATA OMITTED - SEE INTRODUCTION

SANTA BARBARA TEMPERATURE YEAR 1974															
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.1	12.8	13.4	14.5	15.3	14.5	14.7	15.6	18.4	19.0	17.1	14.1	14.5		
2	12.9	13.2	13.4	14.5	15.3	14.3	14.4	15.1	15.9	18.5	16.8	14.2	14.6		
3	12.7	13.0	13.4	14.5	15.1	14.3	14.4	15.0	16.2	18.6	17.4	14.5	14.7		
4	10.1	12.9	13.4	14.0	14.4	14.0	14.9	15.8	18.0	18.5	17.3		14.5		
5	10.6	12.0	12.9	13.4	14.4	13.4	14.4	15.1	15.5	17.6	18.6	17.2	14.4	13.5	
6	11.0	13.0	12.7	13.3	14.3	13.3	13.6	15.6	16.3	18.2	18.4	17.1	14.4	14.5	
7	11.1	12.5	12.6	13.6	14.2	13.6	14.2	15.5	17.1	19.0	18.3	16.8	14.5	14.5	
8	10.5	12.6	12.6	14.2	15.2	13.6	14.2	15.2	16.6	17.6	18.4	16.6	14.5	14.5	
9	10.8	12.5	11.5	14.0	14.0	12.4	14.0	17.1	16.2	17.9	18.5	16.5	14.5	14.1	
10	11.1	12.5	12.5	13.3	14.5	12.4	14.5	16.1	16.4	17.2	18.6	16.4	15.1	14.3	
11	11.1	12.2	12.6	12.9	14.9	12.6	12.9	15.6	16.8	17.0	18.6	16.5	15.4	14.3	
12	11.6	12.2	13.2	13.2	15.1	13.2	13.5	16.1	18.2	17.6	18.7	17.3	15.0	14.4	
13	12.0	12.6	12.6	13.0	14.8	13.5	13.0	14.8	16.5	17.6	17.7	18.9	17.3	15.0	
14	11.2	12.8	13.6	13.2	15.6	12.8	13.6	15.6	16.8	19.4	17.9	18.9	17.3	15.5	14.5
15	11.1	12.8	13.8	13.8	15.5	13.8	13.8	15.5	17.2	18.1	18.0	18.0	16.5	15.5	
16	12.5	13.0	14.9	14.6	15.9	13.0	15.1	15.7	19.2	18.2	18.4	18.0	17.5	15.5	14.3
17	12.8	13.0	15.1	14.2	15.7	13.0	15.1	15.8	18.3	18.8	17.8	18.3	17.5	15.5	
18	13.2	13.0	15.0	15.2	14.3	13.0	15.0	16.6	18.6	17.8	18.3	17.3	15.0	14.4	
19	13.5	13.2	15.2	15.2	15.0	13.2	15.2	15.0	15.8	18.4	17.8	18.3	17.3	15.5	14.5
20	13.9	13.0	14.9	13.8	14.3	13.0	14.9	14.3	16.1	19.0	19.6	18.1	17.1	15.5	14.1
21	13.5	12.8	13.6	13.6	14.1	12.8	13.6	14.1	16.1	18.6	19.1	18.4	17.0	15.5	14.0
22	13.3	12.7	12.7	13.3	14.4	12.7	12.7	14.4	16.9	18.4	18.9	18.0	16.8	15.3	14.0
23	12.7	12.9	14.1	13.4	14.8	12.9	14.1	14.8	18.2	18.4	18.7	17.0	15.0	14.0	
24	12.6	12.9	14.0	13.8	15.4	12.6	14.0	15.4	18.8	18.6	18.5	17.0	14.5	12.5	
25	12.6	12.8	14.1	13.6	15.9	12.8	14.1	15.9	18.8	19.0	18.5	16.9	14.6	12.8	
26	12.7	13.0	14.0	13.6	15.9	13.0	14.0	15.9	19.1	18.0	18.7	17.0	15.1	13.2	
27	12.5	13.3	14.2	14.5	16.2	12.5	14.5	16.2	18.5	17.6	18.6	17.0	15.0	12.1	
28	12.2	13.6	14.4	15.1	16.3	12.7	14.4	16.3	18.5	18.4	18.7	16.6	14.9	12.1	
29	12.2	14.4	16.1	15.9	18.6	12.7	14.4	16.1	19.1	18.6	18.7	17.0	15.2		
30	12.5	14.9	16.1	15.8	17.7	12.7	14.9	15.8	18.4	18.7	19.0	14.5	15.0	12.3	
31	12.8	14.7	15.0	15.0	18.3	12.7	14.7	15.0	18.3	19.1	19.1	14.6	15.0	12.3	
1-10 MEANS	11.39	12.79	12.80	13.96	14.65	11.39	13.96	14.65	15.38	16.16	18.12	18.52	16.92	14.47	14.37
SAMPLE SIZE	10	10	6	10	8	10	8	10	10	10	10	10	10	9	10
11-20 MEANS	12.29	12.78	14.20	13.67	15.26	12.29	13.67	15.26	16.82	18.31	18.07	18.42	17.17	15.32	14.30
SAMPLE SIZE	10	10	10	9	10	10	9	10	10	10	10	10	10	9	
21-31 MEANS	12.69	13.00	14.31	14.31	15.43	12.7	13.92	14.44	18.74	17.80	18.38	16.45	15.01	12.93	
SAMPLE SIZE	1; 8	8	9	10	11	10	11	10	11	11	11	3	11	10	10
MONTHLY MEANS	12.14	12.85	13.90	13.99	15.16	12.71	17.66	18.44	18.74	17.80	18.38	16.84	14.95	13.85	
SAMPLE SIZE	31	28	25	29	30	31	31	31	31	31	31	31	29	29	
MAXIMUM VALUE	13.9	13.6	15.2	16.1	16.3	13.9	14.5	14.1	15.5	17.0	17.0	14.5	14.1	12.1	
MINIMUM VALUE	10.1	12.2	11.5	12.9	14.1	10	11	10	11	11	11	3	11	10	10.1
RANGE	3.8	1.4	3.7	3.2	2.2	4.7	3.9	2.6	2.6	2.0	2.0	3.1	1.4	2.6	
STANDARD DEV.	1.02	.31	.95	.81	.69	1.47	1.18	.61	.41	.69	.69	.45	.85		

VENTURA MARINA

TEMPERATURE

YEAR 1974

ANNUAL ANNUAL ANNUAL

MEAN MEAN MAX MIN

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN
1	13.0	13.0	14.0	14.3	16.0	15.3	16.3	19.0	19.1	17.8	16.0	14.4	
2	12.3	11.5	14.2	14.2	15.9	16.5	16.8	20.0	19.5	17.8	16.0	14.4	
3	11.4	12.0	13.0	14.0	15.8	15.6	16.8	20.0	19.1	18.0	14.3	15.0	
4	8.9	12.7	13.8	14.8	15.4	15.5	17.1	19.8	19.3	18.0	14.5	14.7	
5	8.0	12.8	12.8	13.3	15.1	15.5	17.1	20.0	19.5	17.8	14.7	14.4	
6	10.2	12.5	12.8	13.5	15.5	15.9	17.1	20.0	19.5	17.8	14.8	13.9	
7	11.0	12.2	13.0	13.6	15.3	16.0	17.4	20.0	19.8	17.9	14.8	14.4	
8	10.0	12.4	12.4	13.6	15.3	16.1	17.8	19.2	19.6	17.0	15.0	14.6	
9	10.7	11.9	12.0	13.7	15.2	17.5	17.9	18.4	19.2	16.8	14.5	14.6	
10	11.1	12.5	13.1	14.2	15.5	18.2	18.2	18.6	19.0	16.2	15.0	14.3	
11	10.0	12.4	13.2	13.8	15.9	17.8	18.0	18.7	18.9	16.7	15.0	14.2	
12	11.4	12.8	13.8	14.0	16.0	17.8	18.0	18.8	18.8	16.7	15.1	14.1	
13	12.1	12.8	14.1	14.4	15.6	16.1	17.8	18.5	18.4	18.6	15.3	15.0	
14	12.1	12.8	14.8	14.1	15.7	17.8	18.2	18.2	18.6	17.0	15.6	14.5	
15	12.1	12.9	14.5	13.9	15.8	18.4	19.0	18.5	18.6	16.8	15.5	14.0	
16	12.3	13.0	15.0	14.6	15.8	17.8	18.5	19.0	18.6	16.8	15.7	14.0	
17	12.8	12.6	15.0	14.7	16.0	17.5	18.1	18.8	18.9	17.2	15.5	14.2	
18	13.0	12.4	15.2	14.2	15.3	17.5	18.1	19.0	18.6	17.1	14.9	14.0	
19	13.8	13.0	15.1	13.5	14.2	16.8	19.1	19.6	18.3	17.2	15.0	14.0	
20	13.4	12.8	14.9	14.2	14.2	16.3	19.7	19.9	17.8	17.2	15.0	13.8	
21	13.0	12.9	14.6	14.5	14.3	16.9	19.3	19.8	18.1	17.1	15.7	14.0	
22	12.8	13.0	15.0	14.8	14.2	16.8	19.7	19.9	17.8	16.5	16.0	14.0	
23	12.1	13.0	15.0	14.8	14.7	17.2	20.0	20.0	16.9	16.8	15.5	13.0	
24	12.2	12.8	14.1	14.8	15.0	17.8	20.0	20.0	17.8	16.9	15.5	12.8	
25	12.2	13.1	14.7	14.8	15.0	17.9	20.5	20.4	17.9	16.7	15.0	12.8	
26	12.7	12.9	14.8	15.0	15.0	17.7	20.6	20.3	17.8	17.0	15.0	12.8	
27	12.4	13.0	14.5	15.0	15.6	16.8	19.9	19.9	17.8	17.0	14.8	13.2	
28	12.4	13.3	14.6	15.2	15.5	16.4	19.7	20.1	17.3	17.0	14.7	13.1	
29	12.4	14.8	15.4	15.7	17.7	19.1	19.7	17.5	16.3	15.0	13.0		
30	12.1	15.0	15.2	15.6	16.6	19.0	19.8	17.6	15.2	15.4	12.3		
31	12.1	15.6	15.2	15.2	19.0	19.0	19.8	15.0	15.0	12.0			
1-10 MEANS	10.66	12.35	13.02	13.82	15.44	16.17	17.21	19.40	19.32	17.53	14.96	14.47	
SAMPLE SIZE	10	10	10	10	10	9	10	10	10	10	10	10	
11-20 MEANS	12.30	12.75	14.56	14.14	15.45	17.52	18.55	18.89	18.60	16.95	15.26	14.18	
SAMPLE SIZE	10	10	10	10	10	9	10	10	10	10	10	10	
21-31 MEANS	12.40	13.00	14.79	14.95	15.07	17.18	19.71	19.97	17.65	16.50	15.26	13.00	
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	11	
MONTHLY MEANS	11.81	12.68	14.15	14.30	15.31	16.96	18.53	19.44	18.52	16.98	15.16	13.85	15.64
SAMPLE SIZE	31	28	30	31	28	31	31	31	30	31	30	31	
MAXIMUM VALUE	13.8	13.3	15.6	15.4	16.0	18.4	20.6	20.4	19.8	18.0	16.0	15.0	
MINIMUM VALUE	8.0	11.5	12.0	13.3	14.2	15.3	16.3	18.2	16.9	15.0	14.3	12.0	
RANGE	5.8	1.8	3.6	2.1	1.8	3.1	4.3	2.2	2.9	3.0	1.7	3.0	8.0
STANDARD DEV.	1.30	.40	.97	.58	.55	.92	1.19	.65	.76	.71	.46	.78	

VENTURA MARINA

SALINITY

YEAR 1974

DAYS	ANNUAL														
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN	MAX	MIN	
1	33.56	33.10	33.43	32.99	33.34	33.56	33.56	33.04	33.30	33.18	33.11	33.59			
2	33.54	33.25	30.62	31.26	33.37	33.52	33.41	33.40	32.80	32.61	33.24	33.60			
3	33.50	33.43	31.38	32.15	33.57	33.32	33.40	33.12	33.33	32.97	32.61	33.43			
4	33.04	33.30	31.18	33.01	33.50	33.08	32.99	33.24	33.05	33.24	32.93	33.24	33.43		
5	29.67	33.30	31.89	33.38	33.46	32.99	32.21	32.89	33.09	33.20	33.30	27.99			
6	30.90	33.42	32.62	32.73	33.54	32.79	33.62	33.13	33.09	33.19	33.31	30.36			
7	14.03	33.22	33.35	33.33	33.12	33.14	32.81	33.16	33.18	33.38	31.73				
8	20.43	33.32	31.26	33.11	32.74	33.14	32.84	32.87	32.87	33.15	33.22	33.15			
9	27.25	33.37	31.80	33.10	33.14	32.62	33.17	33.17	33.19	33.32	33.32	33.10			
10	30.26	33.26	32.62	33.08	33.19	32.86	32.54	32.82	33.12	32.83	33.36	33.29			
11	31.88	33.20	32.75	33.25	33.50	32.49	33.13	32.70	33.29	33.24	33.77	33.40			
12	31.99	33.21	32.97	33.32	33.47	32.76	33.07	32.88	33.39	33.42	33.40	33.41			
13	32.30	33.30	32.93	33.37	33.39	32.71	33.08	33.35	33.35	33.35	33.57	33.38			
14	32.94	33.40	33.08	33.54	33.40	33.52	33.52	33.11	33.42	33.42	33.53	33.58			
15	32.50	33.31	33.04	33.76	33.49	33.37	33.26	33.56	33.56	33.12	33.11	33.35			
16	32.40	33.31	33.04	33.44	33.22	33.49	33.38	33.41	33.34	33.34	33.36	33.27			
17	32.18	33.33	33.20	33.52	33.52	33.27	33.51	33.31	33.32	33.32	33.32	33.35			
18	32.26	33.47	33.05	33.06	33.67	32.92	33.37	33.27	33.13	33.34	33.42	33.38			
19	32.54	33.52	32.94	33.49	33.70	32.91	33.22	33.18	33.22	33.19	33.33	33.39			
20	32.36	33.43	32.39	33.56	33.49	32.72	33.17	33.26	33.10	33.20	33.34	33.30			
21	32.33	33.44	32.29	33.51	33.27	33.21	33.20	32.94	33.19	33.38	33.38	33.50			
22	32.49	33.44	33.05	33.48	32.87	33.44	33.55	33.04	33.34	33.35	33.14	33.38			
23	32.66	33.34	33.67	33.18	32.48	32.98	33.49	33.12	33.28	33.32	33.22	33.35			
24	32.89	33.54	33.22	32.56	32.05	33.17	32.70	33.35	33.26	33.23	33.57	33.44			
25	32.88	33.52	33.11	32.58	28.48	33.24	33.29	33.18	33.33	33.37	33.44	25.77			
26	33.00	33.45	32.98	32.82	33.28	33.35	33.14	33.35	33.40	33.40	33.43	33.51			
27	33.07	33.42	31.17	33.87	33.29	33.40	33.64	32.72	33.28	33.42	33.39	33.57			
28	33.09	33.46	32.23	33.45	31.26	32.84	33.64	32.40	33.24	28.91	33.39	30.20			
29	33.10	32.55	33.50	33.22	33.09	33.56	32.90	33.22	33.04	33.43	31.23				
30	33.14	33.03	31.33	31.33	33.33	33.66	32.98	33.17	33.07	33.51	32.25				
31	33.21	32.63				33.19	33.14		33.25		33.14				
1-10 MEANS		27.62	33.30	32.01	32.81	33.30	33.04	33.23	33.05	33.16	33.11	33.18	30.61		
SAMPLE SIZE	10	10	10	10	10	6	10	10	10	10	10	10	10	10	
11-20 MEANS	32.33	33.35	32.94	33.43	33.51	32.90	33.26	33.14	33.30	33.29	33.40	33.38			
SAMPLE SIZE	10	10	10	10	9	7	10	10	10	10	10	10	10	10	
21-31 MEANS	32.90	33.45	32.81	33.03	32.45	33.19	33.37	33.02	33.24	32.87	33.39	32.13			
SAMPLE SIZE	11	7	11	10	10	8	11	11	10	11	10	10	10	11	
MONTHLY MEANS	31.01	33.36	32.60	33.09	33.07	33.05	33.29	33.07	33.23	33.08	33.33	32.04	32.85		
SAMPLE SIZE	31	27	31	30	29	21	31	31	30	31	30	31	30	31	
MAXIMUM VALUE	33.56	33.67	33.87	31.70	33.56	33.66	33.41	33.56	33.42	33.77	33.60	33.87			
MINIMUM VALUE	14.03	33.10	30.62	31.26	28.48	32.49	32.54	32.40	32.87	28.91	32.61	15.83			
RANGE	19.53	.44	3.05	2.61	.522	1.07	1.12	1.01	.69	4.51	1.16	17.77			
STANDARD DEV.	4.31	.11	.78	.62	.97	.29	.23	.15	.79	.21	3.50				
												14.03			

YEAR 1974

TEMPERATURE

PT DUNE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	15.0	12.0	12.2	13.5	12.7	13.0	16.6	16.1	18.1	18.3	13.9	14.4			
2	15.0	12.0	12.6	13.3	15.1	13.5	16.6	21.1	18.3	18.3	13.9	15.7			
3	15.0	12.8	12.5	13.3	15.4	16.0	16.1	20.6	18.3	18.3	13.9	15.6			
4	15.0	12.8	11.2	14.0	15.4	14.5	15.6	19.2	18.0	16.7	14.5	15.1			
5	11.7	12.8	11.2	13.1	15.5	15.0	15.4	19.0	18.3	15.3	14.8	15.6			
6	11.6	12.8	11.2	12.5	13.4	14.8	17.8	19.0	18.0	15.5	14.7	15.0			
7	11.1	12.2	11.2	12.5	14.6	14.8	17.8	19.0	18.0	17.3	14.3	14.7			
8	11.1	12.2	11.2	12.2	14.4	17.0	17.0	19.0	18.3	16.8	14.7	15.0			
9	11.1	12.2	11.2	12.2	12.2	14.1	17.0	17.0	19.0	16.8	14.7	15.0			
10	11.2	12.2	11.2	11.7	14.5	17.5	17.0	18.9	16.2	16.2	15.6				
11	11.2	12.2	13.7	10.8	14.5	17.5	17.5	18.9	16.7	16.7	15.4				
12	11.2	12.6	13.7	10.8	14.1	17.0	18.3	19.0	16.2	16.2	15.6				
13	12.0	12.6	13.7	10.6	14.3	17.5	18.0	19.0	16.0	16.0	15.8				
14	12.0	12.6	13.7	10.6	14.3	17.5	18.0	16.7	16.3	16.3	15.8				
15	12.2	12.2	11.7	13.3	14.3	17.5	18.0	16.9	17.8	17.9	16.7	15.0			
16	12.2	12.6	11.7	13.8	14.4	17.5	18.9	17.8	17.9	17.9	16.7	15.3			
17	12.2	12.6	11.3	14.0	14.5	17.0	19.0	17.0	17.7	16.7	15.5	16.0			
18	12.2	12.4	13.7	14.4	17.0	18.9	18.8	17.7	16.1	15.8	16.0				
19	12.2	12.1	13.8	12.4	17.0	19.1	18.3	17.7	16.1	15.8	16.0				
20	12.2	12.1	12.5	12.5	13.0	13.5	19.0	18.5	17.7	15.8	15.0	15.8			
21	11.1	12.1	13.0	13.0	13.5	13.0	18.0	17.7	16.4	15.0	15.8				
22	11.2	12.1	12.1	13.0	13.0	16.0	19.0	18.0	17.7	16.3	15.0	15.8			
23	11.2	12.1	13.0	14.0	14.5	17.0	19.0	17.0	17.7	16.7	15.5	16.0			
24	12.8	12.1	13.0	16.9	17.0	19.0	18.3	17.4	16.4	15.0	14.2				
25	13.1	10.8	12.6	13.0	16.9	19.0	18.3	17.4	16.4	15.0	13.1				
26	13.1	11.0	12.7	13.0	16.1	17.6	18.3	17.5	16.4	15.0	13.0				
27	13.1	11.2	12.7	14.0	16.3	16.4	18.2	17.5	16.0	14.6	13.0				
28	13.1	11.6	12.7	15.0	16.1	15.0	17.9	17.5	16.0	14.6	13.1				
29	13.1	12.7	12.2	15.0	16.0	15.4	18.3	17.2	15.8	14.0	13.0				
30	11.6	12.7	12.4	13.0	16.8	15.4	18.1	17.5	15.6	14.1					
31	11.6	12.8	13.0	15.3	15.3	17.7	17.7	15.0	15.0						
1-10 MEANS SAMPLE SIZE	12.78	12.40	11.57	12.83	14.51	15.31	16.69	19.09	18.16	16.95	14.63	15.18			
11-20 MEANS SAMPLE SIZE	11.96	12.40	12.79	12.39	14.02	16.90	18.38	18.09	17.74	16.29	15.50	15.82			
21-31 MEANS SAMPLE SIZE	12.27	11.62	12.70	12.53	13.45	15.96	17.15	18.10	17.49	16.06	14.73	13.91			
MONTHLY MEANS SAMPLE SIZE	12.34	12.18	12.25	12.60	13.98	16.06	17.41	18.42	17.78	16.42	14.95	14.80	14.93		
MAXIMUM VALUE	15.0	12.8	13.7	14.0	15.5	17.5	19.4	21.1	18.3	18.3	15.8	16.0	21.1		
MINIMUM VALUE	11.1	10.8	11.2	10.6	12.4	13.0	15.0	16.1	17.2	15.0	13.9	13.0			
RANGE	3.9	2.0	2.5	3.4	3.1	4.5	4.4	5.0	1.1	3.3	1.9	3.0			
STANDARD DEV.	1.24	.52	.92	1.10	.91	1.40	1.00	.33	.78	.60	1.12				

SANTA MONICA

YEAR 1974

TEMPERATURE												YEAR 1974				
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN	
1	12.8	12.8	14.3	13.9	16.4	16.0	16.7	20.0	19.4	19.0	15.6	15.3				
2	11.7	12.8	14.3	13.9	15.3	16.8	18.9	21.3	19.3	18.8	15.0	15.1				
3	12.2	13.3	13.6	13.4	15.8	16.1	18.6	21.7	19.2	17.8	15.6	15.0				
4	11.1	13.3	12.7	12.7	15.8	16.6	19.2	21.7	20.3	17.5	15.6	15.3				
5	12.8	13.3	12.8	12.7	15.4	15.8	18.8	21.1	20.0	17.2	15.1	14.9				
6	12.8	12.8	13.2	12.9	15.0	16.7	18.3	21.4	20.0	16.8	15.0	14.9				
7	12.2	12.5	13.6	14.6	14.4	17.7	19.2	21.3	19.9	16.6	15.0	14.9				
8	12.2	13.1	13.6	15.1	14.4	18.1	17.2	21.2	20.0	17.3	15.1	14.7				
9	12.8	13.2	13.4	15.0	14.2	17.8	19.4	21.1	20.6	16.6	15.3	14.7				
10	12.8	13.4	13.4	12.1	14.9	18.3	19.4	21.0	20.0	16.7	15.6	15.0				
11	12.8	13.3	13.3	11.7	15.3	18.6	18.7	20.6	20.6	16.6	15.3	15.3				
12	13.3	13.3	12.2	12.5	15.6	18.3	19.6	19.4	21.0	17.8	15.4	15.1				
13	12.8	13.6	14.9	13.6	15.6	18.2	18.8	21.0	18.3	15.1	15.0					
14	12.8	13.3	15.0	14.7	14.7	18.7	19.7	18.3	20.6	18.2	16.1	14.4				
15	12.8	13.4	15.3	13.3	15.3	18.9	20.1	18.9	19.4	18.1	16.1	14.2				
16	13.3	13.6	14.9	13.3	15.6	19.2	20.7	18.4	19.2	18.4	15.6	14.8				
17	13.3	13.1	14.4	14.1	16.2	16.9	20.2	16.8	19.4	17.8	15.4	15.1				
18	13.3	12.7	14.7	14.3	16.6	18.4	21.2	20.0	19.0	18.3	15.4	15.0				
19	13.3	12.8	14.4	13.3	15.8	18.9	20.6	19.4	18.9	18.1	15.6	14.4				
20	13.3	13.1	14.9	13.8	15.0	17.8	20.8	19.3	18.3	17.3	15.6	14.7				
21	12.8	14.6	14.7	15.7	15.7	18.1	20.6	18.7	18.6	17.2	15.6	15.1				
22	13.3	12.8	14.4	15.7	16.4	18.6	20.3	19.3	18.6	17.2	15.8	15.0				
23	12.8	13.3	14.2	15.3	16.4	18.3	21.0	19.7	18.9	17.7	15.3	14.9				
24	12.8	13.8	14.2	14.7	15.6	18.1	21.2	20.0	19.6	18.3	15.4	15.0				
25	12.8	12.9	14.2	13.6	13.6	17.1	22.2	20.0	19.2	17.2	15.3	13.2				
26	13.3	13.1	13.3	13.5	16.9	17.2	21.3	18.6	18.6	17.3	15.0	13.1				
27	12.8	14.0	14.7	13.6	16.9	17.8	16.9	18.9	18.9	16.9	15.0	13.3				
28	12.2	14.2	14.6	14.4	16.8	18.3	19.4	19.2	18.6	17.2	15.3	13.6				
29	12.8	15.1	15.3	16.1	17.8	20.6	19.4	18.3	15.0	15.3	13.1					
30	13.3	14.7	15.4	15.8	16.7	21.7	19.4	18.9	15.3	15.3	13.1					
31	13.3	14.3	15.3	15.6	15.6	22.3	18.9	18.9	15.0	15.0	12.8					
1-10 MEANS		12.34	13.05	13.49	13.63	15.16	16.99	18.57	21.18	19.97	17.43	15.29	14.98			
SAMPLE SIZE	1C	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
11-20 MEANS	13.1C	13.22	14.43	13.46	15.57	18.39	20.04	18.99	19.81	17.89	15.57	14.78				
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
21-31 MEANS	12.93	13.35	14.39	14.64	16.21	17.80	20.68	19.28	18.64	16.65	15.32	13.62				
SAMPLE SIZE	11	8	11	10	11	10	11	11	11	10	11	11	11	11	11	
MONTHLY MEANS	12.79	13.20	14.11	13.91	15.66	17.73	19.79	19.80	19.47	17.30	15.39	14.43	16.13			
SAMPLE SIZE	31	28	31	30	31	30	31	31	31	30	31	31	31	31	31	
MAXIMUM VALUE	13.3	14.2	15.3	15.7	16.9	19.2	22.3	21.7	21.1	19.0	16.1	15.3				
MINIMUM VALUE	11.1	12.5	12.2	11.7	14.2	15.8	16.7	16.8	17.8	15.0	12.8					
RANGE	2.2	1.7	3.1	4.0	2.7	3.4	5.6	4.9	3.3	4.0	1.1	2.5				
STANDARD DEV.	.52	.40	.77	1.03	.73	.92	1.43	1.19	.89	.97	.30	.79				

22.3

11.1

SANTA MONICA

SALINITY

YEAR 1974

DATA OMITTED - SEE INTRODUCTION

NEWPORT BEACH

TEMPERATURE

YEAR 1974

DAYS	ANNUAL											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.8	13.2	13.2	14.4	14.0	18.2	21.1	17.2	18.4	15.0	15.1	
2	12.3	12.8	13.5	15.0	16.3	17.4	19.2	21.8	16.9	18.9	15.1	15.0
3	12.8	12.9	13.3	11.7	15.4	17.2	19.4	21.8	18.2	18.3	15.6	15.3
4	13.3	13.5	12.5	12.0	15.4	17.0	18.6	20.7	19.1	18.0	15.8	17.2
5	13.3	13.6	12.5	12.7	15.6	16.8	18.3	21.4	18.8	15.6	16.1	
6	13.1	13.0	13.2	13.3	15.8	17.2	18.5	16.1	20.1	16.8	15.6	16.1
7	13.1	12.2	13.3	13.8	16.0	17.6	19.0	18.6	20.3	17.9	15.0	
8	12.7	12.7	13.2	13.8	16.0	18.1	19.2	20.5	20.3	17.2	15.5	15.0
9	12.8	12.4	12.8	14.4	16.0	18.9	18.9	20.5	19.7	16.7	15.3	14.7
10	12.8	12.7	13.3	13.0	15.0	17.7	16.7	19.9	19.7	16.7	15.3	14.7
11	12.4	12.8	13.3	11.3	14.4	18.3	15.6	19.7	21.1	17.2	15.1	15.0
12	12.8	13.2	13.3	11.6	16.7	17.8	15.6	19.0	21.1	17.5	15.0	14.9
13	12.8	13.3	13.4	13.3	16.4	16.7	18.1	19.9	20.5	17.8	15.0	
14	12.8	13.3	13.9	13.6	17.0	15.8	17.2	19.6	19.4	17.6	16.7	15.0
15	13.0	12.7	14.3	13.6	17.2	14.6	17.8	18.9	18.8	17.8	16.0	15.0
16	13.0	12.9	14.4	14.2	17.7	15.0	19.0	20.0	16.9	17.5	16.1	15.0
17	13.0	13.0	13.6	13.9	17.7	13.9	18.9	17.0	17.0	17.5	16.4	
18	13.8	13.3	13.9	14.4	18.1	18.1	20.0	18.0	18.5	18.0	16.1	15.0
19	13.5	13.2	14.4	13.9	17.8	13.3	20.0	18.6	18.9	17.8	16.1	
20	13.2	13.2	14.6	13.9	12.7	13.3	20.0	19.1	19.0	17.2	16.4	15.0
21	13.1	13.1	14.4	14.2	12.2	14.5	20.0	19.0	18.9	17.7	16.4	14.9
22	12.5	12.9	13.9	14.4	14.4	14.4	18.8	19.3	17.8	16.2	14.9	
23	12.2	12.8	13.5	12.2	14.4	13.8	20.0	19.6	19.4	18.2	16.0	13.9
24	12.6	12.8	13.9	13.3	15.8	12.7	20.8	17.2	19.4	18.3	15.6	13.0
25	12.7	13.1	13.9	13.3	14.7	15.2	23.3	18.9	19.4	17.2	15.5	
26	13.3	13.3	13.1	12.7	15.3	16.1	19.4	19.0	19.3	17.2	15.5	13.3
27	13.2	13.3	14.1	12.5	16.3	16.1	17.5	18.0	19.3	16.1	15.6	12.8
28	13.0	13.3	13.9	13.2	16.7	17.0	18.4	18.0	19.3	17.4	15.6	13.8
29	13.0	14.6	13.5	13.5	17.2	16.8	19.4	18.8	19.4	14.4	15.6	
30	13.1	13.9	13.8	17.8	16.9	19.9	18.3	18.6	15.6	15.6	13.6	13.4
31	13.0	14.3	18.3	18.3	19.0	17.2	19.0	17.2	15.6	13.3		
1-10 MEANS SAMPLE SIZE	13.00	12.90	13.08	13.41	15.55	17.61	18.60	19.93	19.29	17.77	15.38	15.53
11-20 MEANS SAMPLE SIZE	13.04	13.15	13.94	13.37	16.57	15.20	18.22	19.07	19.12	17.62	15.89	14.97
21-31 MEANS SAMPLE SIZE	12.88	13.08	13.95	13.31	15.74	15.35	19.68	18.48	19.08	16.89	15.76	13.62
MONTHLY MEANS SAMPLE SIZE	12.97	13.04	13.67	13.36	15.95	16.05	18.86	19.14	19.16	17.41	15.68	14.67
MAXIMUM VALUE SAMPLE SIZE	13.8	13.6	14.6	15.0	18.3	18.9	23.3	21.8	21.4	18.9	16.7	17.2
MINIMUM VALUE SAMPLE SIZE	12.2	12.2	12.5	11.3	12.2	12.7	15.6	16.1	16.9	14.4	15.0	12.7
RANGE STANDARD DEV.	1.6	1.4	2.1	3.7	6.1	6.2	7.7	5.7	4.5	4.5	1.7	4.5
	.38	.34	.58	.93	1.51	1.78	1.48	1.31	1.19	.97	.48	1.03
											11.3	

SAINT INNIS NEWPORT BEACH YEAR 1974

SALINITY

DAYS	ANNUAL ANNUAL											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	MEAN	MAX	MIN									
1	33.64	33.55	33.69	33.66	33.67	33.82	33.76	33.84	33.55	33.79	33.49	33.60
2	33.79	33.69	33.55	33.55	33.67	34.08	33.79	32.95	33.61	33.69	33.48	33.52
3	33.63	33.56	33.60	33.66	33.74	33.75	33.87	33.82	33.64	33.39	33.51	33.42
4	33.28	33.60	33.59	33.55	33.96	33.75	33.77	33.73	33.56	33.52	33.32	33.52
5	33.49	33.90	33.60	33.65	33.71	33.71	33.89	33.70	33.72	33.54	33.29	33.42
6	33.56	33.57	33.36	33.57	33.83	34.17	33.81	33.62	33.68	33.51	33.31	33.26
7	33.38	33.53	33.21	33.76	33.91	33.70	33.88	33.56	33.79	33.56	33.36	33.50
8	33.40	33.61	33.45	33.64	33.74	33.92	33.68	33.70	33.69	33.47	33.40	33.48
9	33.46	33.67	33.32	33.73	33.69	33.73	33.76	33.70	33.66	33.61	33.54	33.50
10	33.37	33.75	33.48	33.74	33.66	33.77	33.73	33.69	33.72	33.49	33.40	33.51
11	33.42	33.65	33.27	33.72	33.70	33.92	33.81	33.66	33.68	33.57	33.51	33.59
12	33.48	33.54	33.24	33.83	33.79	33.86	33.84	33.62	33.72	33.47	33.33	33.43
13	33.66	33.73	33.36	33.59	33.92	33.80	33.68	33.54	33.69	33.38	33.53	
14	33.75	33.69	33.35	33.58	33.86	33.80	33.70	33.56	33.60	33.50	33.51	33.47
15	33.50	33.65	33.78	33.78	34.09	33.66	33.65	33.74	33.61	33.59	33.78	33.52
16	33.51	33.70	33.28	33.62	34.02	33.67	33.63	33.66	33.52	33.50	33.50	33.23
17	33.36	33.75	33.57	33.62	33.62	34.06	33.70	33.72	33.68	33.39	33.39	33.33
18	33.50	33.55	33.35	33.68	33.90	33.71	33.70	33.63	33.69	33.49	33.49	
20	33.41	33.68	33.48	33.60	33.95	33.66	33.68	33.61	33.62	33.52	33.48	33.42
21	33.38	33.55	33.45	33.71	33.90	33.70	33.66	33.63	33.67	33.57	33.55	33.43
22	33.52	33.65	33.67	33.68	34.03	33.66	33.72	33.58	33.64	33.51	33.55	33.47
23	33.50	33.77	33.54	33.65	33.85	33.68	33.82	33.56	33.79	33.52	33.52	33.45
24	33.84	33.84	33.54	33.74	33.91	33.64	33.75	33.65	33.61	33.47	33.26	33.49
25	33.43	33.62	33.55	33.64	33.91	33.64	33.93	33.49	33.56	33.47	33.78	33.49
26	33.46	33.58	33.48	33.63	33.77	33.74	33.67	33.50	33.78	33.51	33.45	33.60
27	33.44	33.63	33.44	33.69	33.88	33.74	33.58	33.57	33.59	33.46	33.50	33.52
28	33.48	33.55	33.60	33.72	33.73	33.81	33.57	33.71	33.60	33.41	33.45	33.58
29	33.52	33.47	33.63	33.70	33.77	33.54	33.56	33.88	33.41	33.37	33.66	
30	33.52	33.48	33.64	33.95	33.71	33.65	33.47	33.57	33.40	33.52	33.40	
31	33.62	33.46	33.79	33.64	33.64	33.64	33.60	33.52	33.41			
1-10 MEANS	33.50	33.64	33.49	33.65	33.76	33.84	33.79	33.63	33.66	33.26	33.41	33.47
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10
11-20 MEANS	33.51	33.66	33.37	33.67	33.91	33.75	33.71	33.64	33.65	33.53	33.49	33.44
SAMPLE SIZE	9	9	9	10	10	10	10	10	10	7	10	10
21-31 MEANS	33.49	33.65	33.52	33.67	33.86	33.71	33.68	33.58	33.67	33.46	33.49	33.51
SAMPLE SIZE	10	8	11	10	11	10	11	11	10	11	10	11
MONTHLY MEANS	33.50	33.65	33.46	33.66	33.84	33.76	33.73	33.61	33.66	33.51	33.46	33.47
SAMPLE SIZE	29	27	30	30	31	30	31	31	30	28	30	31
MAXIMUM VALUE	33.79	33.90	33.69	33.83	34.09	34.17	33.93	33.84	33.88	33.79	33.78	33.66
MINIMUM VALUE	33.28	33.53	33.21	33.55	33.66	33.64	33.54	32.95	33.52	33.39	33.26	33.23
RANGE	.51	.31	.48	.28	.43	.53	.39	.89	.36	.40	.52	.43
STANDARD DEV.	.12	.10	.13	.07	.12	.10	.08	.09	.12	.10	.09	.09

SAN CLEMENTE TEMPERATURE YEAR 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	MAX	MIN
1	13.0	13.0	13.2	13.9	15.1	18.9	18.0	19.0	17.3	18.0	15.7	13.5			
2	11.9	13.0	12.5	14.0	15.2	17.5	19.0	19.0	18.1	17.2	15.0	15.0			
3	12.0	12.9	12.8	13.5	15.9	17.2	19.5	20.2	19.1	17.4	15.9	15.0			
4	12.1	13.0	12.5	13.1	16.4	18.0	18.5	19.2	19.2	17.3	15.3	15.0			
5	11.6	12.8	12.6	13.1	15.8	17.4	18.8	18.1	20.8	18.5	16.0	15.0			
6	12.0	12.8	12.9	12.9	15.0	17.6	17.2	17.5	20.9	17.0	16.0	15.9			
7	12.2	12.2	13.5	13.8	16.1	18.1	18.5	18.9	21.0	17.9	16.0	14.0			
8	12.6	12.0	13.5	14.1	15.9	18.5	19.0	18.9	20.0	17.9	15.5	14.0			
9	12.6	12.8	12.8	15.1	16.3	19.1	19.1	19.5	19.8	18.2	15.0	14.0			
10	12.6	12.5	13.5	12.8	16.0	18.3	17.5	20.0	20.0	16.5	16.0	14.0			
11	12.2	13.0	13.2	12.0	16.0	18.1	16.8	20.0	19.9	15.8	13.8				
12	13.0	12.9	13.2	13.1	16.0	18.3	16.8	20.0	19.7	17.0	16.0	14.0			
13	12.9	12.0	13.5	14.1	16.8	18.0	19.0	19.2	19.2	17.1	15.8	14.0			
14	12.9	13.4	13.8	13.9	16.7	18.5	17.9	19.1	19.1	17.1	15.8	14.0			
15	14.0	13.0	13.9	14.5	17.0	17.5	18.7	18.0	18.9	17.0	16.0	14.0			
16	12.9	13.5	13.8	17.3	16.5	19.2	18.0	18.0	18.2	17.0	15.8	14.3			
17	12.9	13.2	14.0	15.0	17.5	14.8	19.0	18.0	18.0	17.0	16.0	14.1			
18	13.4	13.2	13.8	14.5	17.9	13.9	19.1	18.0	18.3	17.0	16.1	14.2			
19	13.9	13.1	14.5	13.2	15.9	14.8	20.4	18.0	19.0	16.8	16.4	14.2			
20	13.6	12.9	14.7	13.5	13.4	13.5	20.9	18.5	19.1	16.6	15.4	14.0			
21	13.1	12.8	15.0	13.8	14.2	14.4	19.8	19.1	18.9	17.2	16.0	14.1			
22	12.8	12.8	14.5	14.0	13.5	14.7	20.0	19.2	19.0	17.8	16.3	14.0			
23	12.8	12.0	14.2	14.2	14.0	14.9	21.0	19.2	19.0	17.9	16.5	12.5			
24	13.0	12.0	14.0	14.2	14.5	14.5	20.8	19.0	19.0	18.0	15.7	12.2			
25	13.0	12.6	13.9	13.5	15.6	16.0	21.4	18.7	18.9	17.0	14.9	12.0			
26	13.0	12.6	14.2	13.2	16.0	20.0	17.0	17.7	18.7	16.9	15.0	12.0			
27	13.0	12.9	14.0	16.2	16.5	16.3	15.2	18.1	19.1	14.9	12.2				
28	13.0	13.5	14.5	14.0	17.0	17.2	16.4	16.0	18.9	17.0	14.5	12.7			
29	12.8	15.1	14.0	14.0	17.8	17.9	17.7	15.9	18.2	16.0	15.0	12.3			
30	12.8	14.1	15.1	18.0	18.0	18.5	16.0	18.0	15.5	14.5	12.2				
31	12.9	13.6	18.1	18.1	19.0	17.1	17.1	15.6	15.6	11.8					
1-10 MEANS	12.26	12.71	12.98	13.63	15.77	18.06	18.51	19.03	19.62	17.59	15.64	14.54			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	13.17	13.03	13.84	13.76	16.45	16.16	18.74	18.55	18.94	16.94	16.02	14.04			
SAMPLE SIZE	10	10	10	9	10	9	10	10	10	9	10	10			
21-31 MEANS	12.93	12.65	14.28	14.00	15.90	16.20	19.17	17.49	18.67	16.89	15.33	12.55			
SAMPLE SIZE	11	8	11	9	11	8	27	31	31	30	30	31			
MONTHLY MEANS	12.79	12.81	13.72	13.79	16.04	16.87	18.82	18.33	19.08	17.14	15.66	13.67	15.73		
SAMPLE SIZE	31	28	31	28	31	27									
MAXIMUM VALUE	14.0	13.5	15.1	15.1	19.1	19.1	21.4	20.2	21.0	18.5	16.9	15.9	21.4		
MINIMUM VALUE	11.6	12.0	12.5	12.0	13.4	13.5	16.3	15.2	17.3	15.5	14.5	11.8			
RANGE	2.4	1.5	2.6	3.1	4.7	5.6	5.1	5.0	3.7	3.0	2.4	4.1			
STANDARD DEV.	.55	.44	.70	.72	1.26	1.64	1.35	1.29	.89	.70	.59	1.07			

YEAR 1074
SALINITY
CLEMENTE AN

SAN INITY

SAN CLEMENTE		SALINITY												ANNUAL					
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	MIN	MAX			
MONTHLY MEANS	SAMPLE SIZE	33.56	33.82	33.58	33.79	33.93	34.00	34.06	33.68	33.62	33.59	33.23	33.34	33.34	33.54	33.54	33.54	33.54	
SAMPLE SIZE	9	10	10	10	10	10	10	9	10	10	10	10	9	10	9	10	9	10	
MAXIMUM VALUE	SAMPLE SIZE	33.67	34.01	33.70	33.93	33.97	33.90	34.00	33.76	33.66	33.57	33.40	33.53	34.03	34.78	34.78	34.78	34.78	34.78
MINIMUM VALUE	SAMPLE SIZE	33.19	33.54	33.06	33.41	33.85	33.85	33.95	33.72	33.62	33.43	33.43	33.43	33.23	32.88	32.88	32.88	32.88	32.88
RANGE	SAMPLE SIZE	.77	1.24	1.36	.96	1.08	1.09	.74	.59	.44	.40	.35	1.15						
STANDARD DEV.	SAMPLE SIZE	.18	.31	.22	.22	.21	.27	.18	.15	.11	.10	.10	.21	.21	.21	.21	.21	.21	.21
1		33.57	33.84	33.91	33.59	33.70	34.00	34.06	33.68	33.62	33.59	33.23	33.34						
2		33.81	33.77	33.06	33.41	33.63	33.68	33.69	33.78	33.67	33.61	33.55	33.54						
3		33.96	33.72	33.36	33.41	33.68	33.69	33.98	33.76	33.81	33.64	33.42	33.55						
4		33.85	33.59	33.58	33.92	33.92	34.72	33.84	33.84	33.72	33.73	33.39	33.13						
5		33.34	34.78	33.70	34.37	33.94	33.90	33.92	34.17	33.82	33.36	33.46							
6		33.20	33.62	33.55	33.74	33.96	34.52	33.91	33.72	33.78	33.67	33.23	33.51						
7		33.33	33.69	33.70	34.08	33.76	33.80	34.08	33.78	33.79	33.81	33.54	33.83						
8		33.19	33.66	33.61	33.76	33.93	33.76	34.02	34.13	33.92	33.62	33.41	33.61						
9		33.50	33.54	33.59	33.79	33.96	33.90	33.86	34.03	34.00	33.58	33.41	33.70						
10		33.57	33.74	33.54	34.01	34.52	33.75	33.72	33.87	33.76	33.60	33.23	33.63						
11		33.56	33.95	33.70	33.85	33.96	34.03	33.84	34.05	33.94	33.54	33.32	33.58						
12		33.55	33.56	33.42	33.77	33.73	33.88	34.01	33.81	33.87	33.72	33.49	33.61						
13		33.75	33.57	33.57	33.72	33.76	34.03	33.91	33.89	33.74	33.58	33.51	33.70						
14		33.65	33.88	33.65	34.09	33.72	33.82	33.86	34.03	34.00	33.58	33.41	33.70						
15		33.58	34.07	33.62	33.77	33.96	33.90	33.72	33.82	33.71	33.67	33.39	33.68						
16		33.49	33.61	33.58	33.79	34.09	34.19	34.38	33.86	33.86	33.74	33.34	33.55						
17		33.59	33.88	33.69	33.82	34.41	33.73	33.85	33.76	33.56	33.62	33.45	33.76						
18		33.53	33.78	33.43	33.67	33.44	33.63	33.94	33.59	33.58	33.67	33.39	33.58						
19		33.53	33.99	33.61	33.81	33.89	33.90	33.96	33.99	33.72	33.53	33.54	33.51						
20		33.54	33.73	33.70	33.75	33.84	33.92	33.92	33.77	33.68	33.62	33.55	33.79						
21		33.52	33.87	33.58	33.76	33.95	33.79	33.89	33.88	33.61	33.56	33.54	33.61						
22		33.91	33.95	33.56	33.88	33.87	33.63	33.79	33.76	33.61	33.68	33.27	33.61						
23		33.82	33.66	33.64	33.80	33.87	33.87	33.80	34.46	33.77	33.76	33.39	33.66						
24		33.51	34.04	33.89	33.78	33.89	33.89	33.94	33.94	33.72	33.60	33.29	33.81						
25		33.59	33.97	33.99	33.97	34.00	34.00	33.81	33.81	33.72	33.58	33.53	33.64						
26		33.66	34.43	33.43	33.90	34.50	33.86	33.69	33.69	33.62	33.54	33.39	33.66						
27		33.61	33.74	33.57	34.15	34.36	33.81	34.08	33.63	33.61	33.43	33.37	33.26						
28		33.75	33.71	33.83	33.99	33.81	33.29	33.62	33.62	33.47	33.23	32.88							
29		33.62	34.42	34.21	34.01	33.95	33.95	33.85	33.58	33.58	33.47	33.42	33.56						
30		33.66	33.42	33.59	33.96	33.76	33.75	33.76	33.75	33.51	33.37	33.32	33.52						
31		33.49	33.83	33.59	33.83	33.89	34.03	33.93	33.89	33.77	33.65	33.39	33.52						
1-10 MEANS	SAMPLE SIZE	33.49	33.83	33.59	33.83	33.89	34.03	33.93	33.89	33.77	33.65	33.39	33.52						
11-20 MEANS	SAMPLE SIZE	33.56	33.82	33.58	33.79	33.98	33.87	33.93	33.84	33.72	33.66	33.45	33.68						
MAXIMUM VALUE	SAMPLE SIZE	33.19	33.54	33.06	33.41	33.44	33.85	33.95	33.83	33.72	33.62	33.41	33.58						
MINIMUM VALUE	SAMPLE SIZE	33.58	33.88	33.63	33.41	33.63	33.63	33.72	33.58	33.56	33.43	33.23	32.88						
RANGE	SAMPLE SIZE	.77	1.24	1.36	.96	1.08	1.09	.74	.59	.44	.40	.35	1.15						
STANDARD DEV.	SAMPLE SIZE	.18	.31	.22	.22	.21	.27	.18	.15	.11	.10	.10	.21						

SCRIPPS PIER
SURFACE TEMPERATURE
YEAR 1974

	DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	13.4	13.0	13.3	14.4	15.7	17.8	18.1	20.1	20.8	18.8	17.5	14.5				
2	13.5	12.8	13.6	15.3	15.7	18.4	18.5	20.3	20.6	18.7	16.8	14.8				
3	12.6	12.7	13.2	14.6	15.5	18.1	18.8	20.6	21.3	19.2	16.5	13.8				
4	12.5	13.0	12.2	14.9	15.8	18.2	18.4	20.7	21.0	19.3	16.9	14.2				
5	12.8	12.8	12.6	15.4	15.8	17.8	18.8	20.5	21.2	16.9	15.0					
6	12.8	12.5	13.3	14.9	15.8	17.9	18.3	20.6	22.4	19.1	16.9	14.7				
7	12.8	12.1	13.3	16.0	16.1	18.0	19.0	21.2	22.3	18.9	16.5	14.3				
8	12.5	12.5	12.5	15.8	16.4	17.6	19.5	20.8	22.5	18.7	15.8	13.8				
9	13.0	12.8	12.8	15.6	16.3	18.5	20.0	20.6	22.4	18.4	16.2	13.6				
10	13.1	13.0	12.9	14.8	16.3	19.0	16.6	20.9	22.3	18.6	16.0	13.6				
11	13.1	13.1	13.3	12.6	16.9	18.2	18.8	21.2	20.9	18.3	16.0	13.8				
12	13.0	13.6	13.4	12.2	17.3	18.0	19.2	20.8	20.9	18.3	16.3	13.6				
13	13.2	13.7	13.4	12.4	17.1	18.1	19.9	21.0	20.7	18.6	16.0	13.8				
14	13.1	13.0	13.6	13.8	17.3	18.4	21.2	21.0	21.2	18.9	16.0	13.8				
15	13.1	13.5	13.8	14.6	17.2	18.1	21.0	20.1	20.5	18.5	15.8	13.8				
16	13.2	13.8	13.6	14.8	17.2	17.8	21.3	20.8	20.2	18.6	14.8	14.7				
17	13.4	13.9	13.7	14.8	17.1	17.2	21.9	20.2	20.3	18.9	14.7	14.4				
18	13.4	13.3	14.0	15.5	17.2	17.4	22.1	20.1	20.1	19.0	15.0	14.5				
19	13.5	13.3	14.5	15.4	16.6	17.2	22.5	19.9	19.5	19.0	15.0	14.0				
20	13.7	12.8	14.6	14.4	16.8	16.3	22.4	20.0	18.5	19.0	15.0	14.5				
21	13.5	13.0	14.8	15.4	17.0	16.7	23.9	20.1	19.0	18.6	14.8	14.7				
22	13.2	13.2	15.0	16.5	16.7	17.2	19.6	20.1	18.7	18.6	15.0	14.0				
23	13.1	13.3	15.1	15.9	17.2	17.2	22.1	19.8	19.5	18.9	14.8	13.8				
24	13.1	12.9	15.1	15.9	17.1	16.2	17.6	19.9	18.5	18.4	15.0	13.0				
25	12.9	13.2	15.2	14.0	17.5	16.8	19.8	19.8	19.6	18.3	14.8	12.7				
26	13.3	13.0	14.5	13.1	17.9	15.8	21.5	19.2	18.2	18.1	14.5	12.5				
27	12.5	13.3	14.7	14.0	17.5	16.3	21.0	19.4	17.7	17.8	14.8	13.0				
28	12.8	13.6	14.8	14.3	16.0	16.3	21.3	19.9	18.2	16.8	14.9	13.3				
29	12.9	15.3	15.0	17.7	15.9	19.5	20.0	19.1	17.3	14.5	13.0					
30	12.8	15.0	15.6	16.0	18.5	19.6	20.5	18.9	17.2	14.7	12.9					
31	12.7	15.6	17.7	17.7	19.7	20.8	20.8	17.1	17.1	12.7						
1-10 MEANS		12.92	12.72	12.98	15.17	15.94	18.13	18.59	20.62	21.67	18.86	16.60	14.23			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	9	10	10	10			
11-20 MEANS		13.28	13.41	13.78	14.05	17.07	17.66	21.02	20.51	20.28	18.73	15.46	14.09			
SAMPLE SIZE	10	10	10	10	10	10	10	10	10	10	10	10	10			
21-31 MEANS		12.99	13.19	15.00	14.97	17.29	16.69	20.52	19.96	18.74	17.92	14.80	13.18			
SAMPLE SIZE	11	8	11	10	11	10	11	11	11	10	11	10	11			
MONTHLY MEANS		13.06	13.10	13.96	14.73	16.78	17.49	20.06	20.35	20.23	18.47	15.62	13.81	16.47		12.1
SAMPLE SIZE	31	28	31	30	31	30	31	31	31	30	30	30	31			
MAXIMUM VALUE		13.7	13.9	15.6	16.5	18.0	19.0	23.9	21.2	22.5	19.3	17.5	15.0	23.9		
MINIMUM VALUE		12.5	12.1	12.2	12.2	15.5	15.8	16.6	19.2	17.7	16.8	14.5	12.5			
RANGE		1.2	1.8	3.4	4.3	2.5	3.2	7.3	2.0	4.8	2.5	3.0	2.5			
STANDARD DEV.		.32	.41	.94	1.08	.72	.87	1.67	.51	1.40	.65	.88	.68			

SURFACE SALINITY											YEAR 1974				
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MEAN	ANNUAL MAX	ANNUAL MIN
1	33.59	33.60	33.62	33.81	33.74	33.97	33.63	33.73	33.61	33.55	33.57				
2	33.69	33.64	33.57	33.69	33.71	34.15	33.99	33.62	33.73	33.65	33.50	33.59			
3	33.74	33.82	33.54	33.56	33.70	34.09	33.98	33.62	33.62	33.61	33.63	33.69			
4	33.67	33.58	33.62	33.54	33.70	34.14	33.67	33.65	33.71	33.72	33.67	33.51			
5	33.59	33.62	33.67	33.57	33.68	33.80	33.70	33.61	33.77	33.66	33.61	33.48			
6	33.64	33.65	33.67	33.56	34.00	33.83	33.71	33.60	33.72	33.72	33.65	33.56			
7	33.49	33.69	33.66	33.57	33.73	33.99	33.84	33.68	33.78	33.66	33.74	33.55			
8	33.45	33.66	33.39	33.61	33.76	33.78	34.06	33.70	33.76	33.66	33.66	33.61			
9	33.43	33.46	33.54	33.54	33.94	33.82	34.14	33.68	34.11	33.63	33.70	33.56			
10	33.62	33.70	33.53	33.59	33.76	33.91	33.99	33.67	33.88	33.65	33.70	33.65			
11	33.52	33.61	33.50	33.64	33.76	33.84	34.13	33.72	33.68	33.68	33.77	33.59			
12	33.57	33.62	33.57	33.70	33.76	33.80	33.81	33.75	33.71	33.68	33.64	33.58			
13	33.47	33.61	33.56	33.66	33.96	33.78	33.79	33.75	33.74	33.56	33.72	33.53			
14	33.49	33.72	33.62	33.68	33.92	33.88	34.10	33.78	33.74	33.64	33.80	33.61			
15	33.56	33.60	33.53	33.70	34.05	33.80	34.11	33.66	33.75	33.61	33.68	33.62			
16	33.53	33.73	33.54	33.68	33.73	34.12	34.12	33.72	33.84	33.60	33.52	33.58			
17	33.61	33.55	33.54	33.63	33.74	33.85	34.16	33.70	33.72	33.66	33.59	33.68			
18	33.56	33.58	33.63	33.63	33.80	33.80	34.20	33.78	33.77	33.65	33.62	33.61			
19	33.53	33.63	33.59	33.59	33.76	33.88	33.79	33.69	33.67	33.61	33.57	33.64			
20	33.52	33.58	33.54	33.76	33.78	33.66	33.77	33.84	33.71	33.59	33.62	33.57			
21	33.54	33.65	33.56	33.76	34.09	33.69	33.82	33.73	33.63	33.59	33.65	33.56			
22	33.55	33.62	33.56	33.67	34.03	33.68	33.82	33.71	33.67	33.57	33.52	33.52			
23	33.52	33.60	33.51	33.74	34.06	33.77	33.80	33.72	33.62	33.55	33.59	33.55			
24	33.58	33.67	33.54	33.74	33.75	33.71	33.62	33.67	33.64	33.74	33.53	33.55			
25	33.61	33.65	33.56	33.66	33.74	33.83	33.69	33.69	33.64	33.65	33.62	33.70			
26	33.56	33.65	33.58	33.65	34.08	33.84	33.67	33.62	33.64	33.63	33.53	33.74			
27	33.58	33.66	33.56	33.68	34.07	33.79	33.67	33.64	33.58	33.63	33.60	33.63			
28	33.60	33.62	33.60	33.71	34.03	33.66	33.70	33.69	33.59	33.52	33.59	33.58			
29	33.56	33.64	33.71	34.09	33.67	33.69	33.75	33.63	33.63	33.52	33.67	33.51			
30	33.58	33.54	33.76	33.93	33.98	33.62	33.75	33.65	33.56	33.60	33.58				
31	33.57	33.62	34.07	33.62	33.72	33.63	33.72	33.55							
1-10 MEANS	33.59	33.66	33.57	33.58	33.78	33.93	33.90	33.65	33.78	33.66	33.64	33.58			
SAMPLE SIZE	9	10	10	10	10	10	10	10	10	10	10	10			
11-20 MEANS	33.54	33.62	33.56	33.68	33.84	33.80	34.00	33.74	33.73	33.63	33.65	33.60			
SAMPLE SIZE	10	10	9	9	10	10	10	10	10	10	10	10			
21-31 MEANS	33.57	33.64	33.57	33.71	33.99	33.76	33.70	33.70	33.63	33.60	33.59	33.59			
SAMPLE SIZE	11	8	11	10	11	10	11	11	10	11	10	11			
MONTHLY MEANS	33.56	33.64	33.57	33.66	33.88	33.83	33.86	33.69	33.71	33.63	33.63	33.59			
SAMPLE SIZE	30	28	31	29	30	30	31	31	30	31	30	31			
MAXIMUM VALUE	33.74	33.82	33.67	33.76	34.09	34.15	34.20	33.84	34.11	33.74	33.80	33.74			
MINIMUM VALUE	33.43	33.55	33.39	33.54	33.68	33.66	33.62	33.60	33.57	33.52	33.50	33.48			
RANGE	*.31	*.27	*.28	*.22	*.41	*.49	*.58	*.24	*.54	*.22	*.30	*.26			
STANDARD DEV.	.07	.06	.07	.15	.13	.19	.06	.10	.05	.08	.06	.06			
													34.20	33.39	

SCRIPPS PIER

BOTTOM TEMPERATURE

YEAR 1974

DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
													MEAN	MAX	MIN
1	13.0	13.2	14.6	15.2	17.4	17.7	19.8	19.9	18.5	17.2	14.7				
2	13.3	12.9	13.8	15.0	15.6	18.3	18.4	19.7	18.4	15.7	16.4				
3	12.7	12.7	12.8	14.8	15.6	14.2	18.6	19.3	18.7	16.6	16.4				
4	12.6	12.9	12.2	14.8	15.8	15.5	18.2	17.1	19.8	16.4	16.7				
5	12.8	12.8	12.3	15.3	15.5	15.9	15.2	19.2	19.4	16.7	14.2				
6	12.8	12.2	13.4	14.9	14.6	15.4	15.4	18.3	22.0	16.6	16.6				
7	12.8	12.2	13.5	15.8	14.6	17.9	16.1	16.2	21.5	16.2	16.0				
8	12.7	12.3	13.4	15.2	15.7	17.6	18.7	20.7	22.0	17.2	15.6				
9	13.1	12.6	12.9	15.6	16.2	19.0	20.3	17.8	19.0	16.2	13.4				
10	13.1	12.9	13.1	14.8	16.4	14.7	18.9	20.3	18.6	15.9	13.4				
11	12.9	13.2	13.4	16.9	16.5	18.3	18.2	17.6	18.2	15.9	13.7				
12	12.9	13.5	13.2	17.3	17.5	18.7	18.2	19.6	18.2	16.0	13.4				
13	13.2	13.7	13.4	17.1	18.0	19.4	21.0	20.5	18.0	16.0	13.6				
14	13.1	13.1	13.3	17.3	18.4	20.2	21.1	20.5	18.9	16.0	13.5				
15	13.1	13.5	13.8	13.9	17.2	16.6	20.1	15.7	20.5	18.3	15.4				
16	13.1	13.8	13.2	14.5	17.3	16.5	20.8	16.2	16.9	17.9	14.7				
17	13.4	13.9	13.6	14.0	17.3	15.6	20.3	17.6	20.1	19.1	14.6				
18	13.4	13.4	13.2	13.8	15.1	17.5	13.9	21.6	16.1	15.8	14.2				
19	13.3	13.4	14.5	15.0	15.4	13.5	21.8	19.5	15.7	18.1	14.0				
20	13.6	12.8	14.5	12.6	16.6	14.0	21.4	20.0	17.6	18.6	14.1				
21	13.5	13.1	14.5	13.7	16.6	14.7	16.9	20.0	18.7	18.2	15.0				
22	13.1	13.1	15.1	16.2	16.3	16.8	15.8	18.4	16.3	17.5	15.0				
23	13.4	13.1	15.1	15.8	17.1	16.8	22.0	19.5	19.0	18.6	15.0				
24	13.1	12.9	13.9	15.8	17.1	15.7	19.5	19.2	16.2	18.1	13.0				
25	13.1	13.1	14.6	13.9	16.3	16.0	19.1	19.4	17.8	18.2	12.2				
26	13.1	12.9	13.9	13.4	17.1	17.1	18.6	18.2	18.1	18.4	11.9				
27	12.5	12.9	14.6	13.4	17.1	17.1	20.9	15.5	17.5	17.8	14.6				
28	13.0	13.1	14.8	13.5	13.5	15.4	20.7	16.0	18.1	16.6	13.3				
29	13.0	15.4	14.5	15.0	15.0	14.8	19.0	15.5	19.0	17.6	14.0				
30	12.9	15.1	13.2	16.5	16.0	19.6	17.9	18.8	17.8	14.8	12.5				
31	12.6	15.5	17.5	17.5	18.5	20.8	20.8	16.4	16.4	12.7					
1-10 MEANS	12.88	12.65	13.05	15.08	15.52	16.52	17.20	18.94	19.99	17.20	16.37				
SAMPLE SIZE	9	10	10	10	10	8	10	10	10	9	10				
11-20 MEANS	13.2C	13.41	13.67	14.18	16.98	16.05	20.27	18.36	18.27	18.46	15.32				
SAMPLE SIZE	1C	10	10	6	10	10	10	10	9	10	10				
21-31 MEANS	13.03	13.03	14.76	14.34	16.37	15.77	18.81	18.21	17.94	17.70	14.68				
SAMPLE SIZE	11	8	11	10	11	8	11	11	10	11	10				
MONTHLY MEANS	13.04	13.03	13.86	14.59	16.29	16.11	18.76	18.49	18.75	17.80	15.46				
SAMPLE SIZE	30	28	31	26	31	26	31	31	29	30	31				
MAXIMUM VALUE	13.6	13.9	15.5	16.2	17.5	18.4	22.0	21.1	22.0	19.2	17.2				
MINIMUM VALUE	12.5	12.2	12.6	13.5	13.5	14.7	15.5	15.7	15.7	14.0	11.9				
RANGE	1.1	1.7	3.3	3.6	4.0	4.9	7.3	5.6	6.3	3.5	3.1				
STANDARD DEV.	.28	.43	.88	.93	1.01	1.41	2.05	1.74	1.73	.95	.85	.74			

SCRIPPS PIER

BOTTOM SALINITY

YEAR 1974

DAYS	ANNUAL													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN	MAX	MIN
1	33.54	33.58	33.57	33.70	33.73	33.91	33.59	33.74	33.64	33.54	33.53			
2	33.62	33.56	33.55	33.54	33.67	34.08	33.93	33.61	33.49	33.49	33.74			
3	33.75	33.60	33.59	33.55	33.69	33.95	33.93	33.60	33.76	33.50	33.61			
4	33.71	33.58	33.58	33.68	34.10	33.77	33.55	33.78	33.56	33.67	33.68			
5	33.62	33.60	33.57	33.57	33.98	33.68	33.64	33.61	33.69	33.56	33.75			
6	33.55	33.64	33.61	33.54	34.02	33.67	33.68	33.56	33.98	33.56	33.54			
7	33.59	33.63	33.64	33.58	33.69	33.86	33.68	33.52	33.67	33.48	33.65			
8	33.49	33.63	33.24	33.54	33.80	33.80	34.03	33.82	33.70	33.56	33.49			
9	33.43	33.60	33.48	33.56	33.91	34.05	33.66	33.61	33.60	33.56	33.53			
10	33.43	33.62	33.62	33.57	33.58	33.76	33.92	33.80	33.65	33.65	33.62			
11	33.48	33.58	33.54	33.54	33.77	33.76	33.98	33.62	33.53	33.60	33.59			
12	33.87	33.63	33.55	33.55	33.90	33.70	33.72	33.63	33.69	33.61	33.56			
13	33.51	33.62	33.53	33.52	33.72	33.74	33.76	33.70	34.06	33.57	33.59			
14	33.52	33.59	33.56	33.56	33.93	33.89	34.05	33.71	33.57	33.64	33.60			
15	33.50	33.60	33.52	33.68	34.02	33.73	34.10	33.54	33.71	33.58	33.65			
16	33.50	33.55	33.53	33.66	33.66	33.66	34.08	33.57	33.58	33.57	33.70			
17	33.48	33.57	33.51	33.63	33.72	33.78	34.00	33.55	33.65	33.57	33.57			
18	33.45	33.58	33.58	33.66	33.70	33.72	34.20	33.53	33.54	33.63	33.67			
19	33.56	33.60	33.58	33.62	34.13	33.67	33.73	33.69	33.64	33.57	33.57			
20	33.53	33.56	33.54	33.62	33.62	33.85	33.72	33.75	33.63	33.59	33.64			
21	33.55	33.60	33.57	33.66	34.03	33.63	33.60	33.67	33.59	33.64	33.55			
22	33.46	33.59	33.54	33.67	34.00	33.67	33.70	33.58	33.56	33.61	33.56			
23	33.47	33.58	33.61	33.65	34.02	33.80	34.05	33.68	33.62	33.61	33.56			
24	33.53	33.60	33.52	33.67	33.75	33.76	33.58	33.67	33.53	33.63	33.60			
25	33.56	33.57	33.51	33.68	33.66	33.80	33.69	33.68	33.58	33.64	33.57			
26	33.56	33.56	33.62	33.66	34.03	33.63	33.60	33.67	33.59	33.64	33.56			
27	33.60	33.60	33.50	33.67	34.06	33.67	33.67	33.51	33.54	33.59	33.61			
28	33.56	33.58	33.52	33.70	33.02	33.64	33.62	33.55	33.62	33.52	33.57			
29	33.53	33.56	33.56	33.72	33.98	33.67	33.60	33.56	33.60	33.50	33.59			
30	33.56	33.59	33.59	33.70	34.14	33.85	33.60	33.60	33.67	33.53	33.62			
31	33.58	33.58	33.58	33.76	33.58	33.58	33.76	33.58	33.53	33.53	33.54			
1-10 MEANS SAMPLE SIZE	33.57	33.60	33.54	33.56	33.79	33.86	33.85	33.63	33.72	33.56	33.55			
11-20 MEANS SAMPLE SIZE	33.54	33.59	33.54	33.64	32.86	33.74	33.94	33.62	33.67	33.59	33.63			
21-31 MEANS SAMPLE SIZE	33.54	33.58	33.56	33.68	33.73	33.73	33.66	33.63	33.59	33.58	33.57			
MONTHLY MEANS SAMPLE SIZE	33.55	33.59	33.55	33.63	33.83	33.77	33.81	33.63	33.66	33.58	33.60			
MAXIMUM VALUE SAMPLE SIZE	33.67	33.64	33.64	33.72	34.14	34.10	34.20	33.82	34.06	33.65	33.75			
MINIMUM VALUE SAMPLE SIZE	33.33	33.54	33.24	33.54	33.02	33.63	33.58	33.51	33.53	33.48	33.48			
RANGE	-54	-10	-40	-18	1.12	-47	-62	-31	-53	-17	-26			
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