DATA SUMMARY
FEBRUARY 1995

The Atmospheric Acidity Protection Program:

California Acid Deposition Monitoring Program Wet Deposition Data Summary -- July 1987 to June 1990 Hydrological Years 1988, 1989 and 1990

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

AIR RESOURCES BOARD
Research Division

The Atmospheric Acidity Protection Program:

California Acid Deposition Monitoring Program
Wet Deposition Data Summary -- July 1987 to June 1990
Hydrological Years 1988, 1989 and 1990

February 1995

California Environmental Protection Agency
Air Resources Board

State of California

Pete Wilson
Governor

James M. Strock
Secretary for Environmental Protection
California Environmental Protection Agency

California Air Resources Board

John D. Dunlap, III
Chair

Brian Bilbray

Eugene A. Boston, M.D.

Joseph C. Calhoun

Lynne T. Edgerton

M. Patricia Hilligoss

John S. Lagarias

Jack C. Parnell

Barbara Riordan

Doug Vagim

Harriet Wieder

James D. Boyd
Executive Officer

The Atmospheric Acidity Protection Program:

California Acid Deposition Monitoring Program
Wet Deposition Data Summary -- July 1987 to June 1990
Hydrological Years 1988, 1989 and 1990

February 1995

California Environmental Protection Agency
Air Resources Board

Acknowledgements

The data summary was approved by the Scientific Advisory Committee on Acid Deposition on 26 January 1995. Staff of the Research Division and Monitoring and Laboratory Division of the California Air Resources Board prepared the data summary. We thank Noni Weir, Contracts Administrator for the Atmospheric Acidity Protection Program, for facilitating the processing of this data summary; staff from the Monitoring and Laboratory Division's Air Quality Surveillance Branch, Program Evaluation and Standards section, and Inorganic Laboratory section involved in sample collection, data validation and data management; and the site operators and cooperators at the wet deposition monitoring sites for collecting the samples.

Committee Members

James J. Morgan, Ph.D. (Chairman)
C. Freeman Allen, Ph.D.
John E. Amoore, Ph.D.
Nancy J. Brown, Ph.D.
Leslie W. Clark, Jr.
Paul R. Miller, Ph.D.
Ralph M. Perhac, Ph.D.
James N. Pitts, Ph.D.

Authors

Brent K. Takemoto, Ph.D.
Brian T. Cahill, M.Sc.
Cynthia K. Buenviaje
Rudy Abangan, Ph.D.
Teresa E. Houston, Ph.D.

Research Division Management

John R. Holmes, Ph.D.
Robert D. Barham
Dane Westerdahl

Preface

The data summary contains the weekly wet deposition data from monitoring sites in the Air Resources Board's California Acid Deposition Monitoring Program, and descriptions of sample collection, quality assurance and data validation procedures.

Disclaimer

The data summary was approved by the Scientific Advisory Committee on Acid Deposition, but was not formally considered by the California Air Resources Board. The state makes no warranty, expressed or implied, and assumes no liability for the information contained herein. Any mention of commercial products or processes shall not be construed as an endorsement of such products or processes.

Table of Contents

	Page
Administration Page	
Title Page	ii
Acknowledgements	iii
Preface	iv
Disclaimer	v
Table of Contents	v
List of Tables	vi
	viii
I. California Acid Deposition Monitoring Program (CADMP)	1
II. Wet Deposition Monitoring and Analyses	3
A. Sample Collection	3
B. Chemical Analyses	4
C. Quality Assurance	4
III. Data Management and Data Validation	5
A. Data Management	5
B. Data Validation	5
C. Note to Users	6
IV. Decision Rules for Level II Validation of the CADMP Wet Deposition Data	8
A. Definitions of Flag Codes	8
B. Equation or Basis for the Level II Validation Tests	8
1. Volume Percent Difference (VPD)	8
2. Exceptional pH Difference (EPD)	9
3. Ion Percent Difference (IPD)	9
4. Conductivity Percent Difference (CPD)	10
5. Excluded Sample Period (ESP)	11
6. Low Volume Sample (LVS)	11
7. Sampling Period Completeness (SPC)	11

Page

V. Application of the Level II Data Validation Tests to HYs 1988-1990 12

A. Total Rain-Weeks 12
B. Level II Data Validation Flags: Frequency of Occurrence 13
1. VPD 13
2. EPD 14
3. IPD 14
4. CPD 15
5. ESP 16
6. LVS 16
C. Field Operator Remark Codes 17
1. Rain-Volume Related Remark Codes (B, J, L and Z) 18
2. Rain Chemistry-Related Remark Codes (B, E, J and Z) 19
D. Overview of the Screening Procedure 19
1. Rain Volume-Related Data 19
2. Rain Chemistry-Related Data 19

VI. Hydrological Year Reports 21

A. Bucket Rinse Data 21
B. Laboratory Accuracy 22
1. Ammonium 23
2. Nitrate 24
3. Chloride 24
4. Calcium 24
C. Other Items 25

VII. References 26

VIII. Annual Data Summaries of Hydrological Years 1988-1990 28

A. Wet Deposition Data Tables for Hydrological Year 1988 31
B. Wet Deposition Data Tables for Hydrological Year 1989 69
C. Wet Deposition Data Tables for Hydrological Year 1990 107

Appendix A List of Data Assignments for HY 1988
Appendix B List of Data Assignments for HY 1989
Appendix C List of Data Assignments for HY 1990

List of Tables

Page

1. Number of Rain-Weeks and Site Closures in HYs 1988-1990 12
2. Distribution of VPD Flags for HYs 1988-1990 14
3. Distribution of EPD Flags for HYs 1988-1990 14
4. Distribution of IPD Flags for HYs 1988-1990 15
5. Distribution of CPD Flags for HYs 1988-1990 16
6. Distribution of ESP Flags for HYs 1988-1990 16
7. Distribution of LVS Flags for HYs 1988-1990 17
8. Distribution of Rain Volume- and Chemistry-Related Remark Codes 18
9. 90th Percentile and Maximum Values: NADP/NTN and CADMP Sites 20
10. Bucket Rinse Data: Statewide Averages and Ranges for HYs 1988-1990 21
11. Laboratory Accuracy: Average Percent Differences for HYs 1988-1990 23

I. California Acid Deposition Monitoring Program (CADMP)

The CADMP was established by the Air Resources Board (ARB) in 1983 pursuant to the Kapiloff Acid Deposition Act of 1982. The objectives of the CADMP were to determine the levels and geographic distribution of acidic deposition in all forms (i.e., wet, dry, fog/cloud), and to determine seasonal and long-term trends. Upon completion of the Kapiloff program, the Legislature approved the Atmospheric Acidity Protection Act of 1988, to conduct further research on issues of concern identified by the Kapiloff program. This report contains data from the wet deposition monitoring program for the period from July 1987 to June 1990; spanning hydrological years 1988, 1989 and 1990.

The wet deposition monitoring program was established to determine the spatial and temporal patterns of precipitation depth and chemistry in the state. Originally, the program consisted of 23 monitoring stations and was expanded to 35 stations in 1985. In recent years, the number of stations has declined and currently consists of 25 stations (two stations have collocated samplers). A data report was prepared for the wet deposition data from July 1984 to June 1987 (spanning hydrological years 1985, 1986 and 1987; Cook and Le, 1988), and limited analyses of the data were performed in a series of annual reports to the Governor and the Legislature (ARB, 1983; Sanders et al., 1984; Ashbaugh et al., 1985; Fujita et al., 1986; Ashbaugh et al., 1988; Blanchard et al., 1989; Tonnessen et al., 1991; Takemoto et al., 1992; Brown et al., 1993). The CADMP wet deposition data for hydrological years 1985 to 1990 were analyzed in detail in a recent report by Blanchard and Tonnessen (1993).

For HYs 1988-1990, volume-weighted mean concentrations (and ranges) for the analytes measured in the CADMP are listed below:

Volume-Weighted Mean Concentrations (mg L^{-1}) for Analytes in HYs 1988-1990				
Analyte	HY 1988	HY 1989	HY 1990	Site Information
Calcium (Ca^{2+}) Median Range	0.18 (0.06 to 0.47)	0.11 (0.05 to 0.4)	0.18 (0.09 to 0.4)	Min '89: Mt.Wilson Max '88-89: San Nicolas
Magnesium (Mg^{2+}) Median Range	0.05 (0.01 to 0.43)	0.05 (0.01 to 0.42)	0.05 (0.02 to 0.11)	Min '88-90: Soda Springs Max '88-89: San Nicolas
Potassium (K^{+}) Median Range	0.03 (0.01 to 0.15)	0.04 (0.02 to 0.19)	0.03 (0.02 to 0.08)	Min '88-89: Soda Springs Max '88: San Nicolas
Sodium (Na^{+}) Median Range	0.34 (0.03 to 3.55)	0.35 (0.03 to 3.58)	0.32 (0.03 to 0.85)	Min '88-90: Montague Max '88-89: San Nicolas
Ammonium (NH_4^{+}) Median Range	0.28 (0.05 to 1.19)	0.22 (0.03 to 1.14)	0.26 (0.02 to 1.24)	Min '89-90: Gasquet Max '88-89: Bakersfield
Nitrate (NO_3^{-}) Median Range	0.74 (0.15 to 2.12)	0.77 (0.15 to 1.62)	0.72 (0.1 to 2.16)	Min '88-90: Gasquet Max '90: San Bernardino
Chloride (Cl^{-}) Median Range	0.64 (0.04 to 7.16)	0.6 (0.1 to 6.21)	0.58 (0.05 to 1.48)	Min '88-90: Montague Max '88-89: San Nicolas
Sulfate (SO_4^{2-}) Median Range	0.55 (0.18 to 1.93)	0.64 (0.22 to 2.18)	0.53 (0.22 to 1.56)	Min '88-89: Soda Springs Max '88-90: Bakersfield
pH Median Range	5.28 (4.91 to 5.57)	5.26 (4.75 to 5.98)	5.26 (4.81 to 5.83)	Min '89: Reseda Max '89: Sacramento

II. Wet Deposition Monitoring and Analyses

A. Sample Collection

Precipitation samplers in the CADMP wet deposition network are sited throughout the state, in northern, central and southern California. Oversight of the samplers is performed by the Air Quality Monitoring North, Central and South sections, respectively, of the Air Quality Surveillance Branch. At about 70 percent of the sites, cooperators (e.g., local or regional air pollution control districts, federal resource management agencies, other state agencies) are enlisted to collect samples and report to the Air Quality Surveillance Branch on problems occurring at the sites.

Currently, weekly total precipitation samples are being collected on Tuesday mornings at 25 sites across the state (two sites have collocated samplers). Precipitation samples for chemical analysis are collected using a wet/dry precipitation collector (Aerochem Metrics Model 301) and rain depth is measured with an event-recording rain gauge (Belfort Universal rain gauge No. 5-780). For monitoring stations outside the South Coast Air Basin, field operators measure the pH and conductivity of the precipitation sample on-site (Fisher Accumet 20) and mail the samples to the Northern Laboratory Branch of the Monitoring and Laboratory Division. For samples within the South Coast Air Basin, the entire sample is transported on the same day to the Southern Laboratory Branch of the Monitoring and Laboratory Division to measure pH and conductivity. The sample is subsequently sent to Northern Laboratory Branch. The field procedures are described in detail in the Quality Assurance Manual (ARB, 1986) and a Standard Operating Procedure document (ARB, 1990a).

B. Chemical Analyses

Chemical analyses to determine analyte concentrations and re-measurements of pH and conductivity, are performed by the Inorganic Laboratory section in the Northern Laboratory Branch. Concentrations of various analytes are measured by ion chromatography. Laboratory procedures are described in detail in Standard Operating Procedure documents developed by the Monitoring and Laboratory Division for the analysis of anions and cations (ARB, 1990b). Quality control practices include daily calibrations of all analytical equipment, regular tests of blanks and reference samples, reanalyses of a minimum of 10 percent of all wet deposition samples, with special emphasis on verifying levels in highly concentrated samples.

C. Quality Assurance

Quality Assurance has been defined as:

> *"A system of activities whose purpose is to provide to the producer or user of a product or a service the assurance that it meets defined standards of quality with a stated level of confidence."* (Taylor, 1987)

The quality assurance program for the CADMP wet deposition network is conducted by the Quality Assurance section in the Monitoring and Laboratory Division. The program is designed to assess the quality of the data being generated by the network, and reports are prepared to summarize the section's findings on a hydrological year basis (ARB, 1989; ARB, 1990c; ARB, 1991). Quality assurance reports include findings with respect to results of external audits (biannual), field and laboratory quality control practices, siting criteria surveys and analyses of wet bucket rinses.

III. Data Management and Data Validation

A. Data Management

Data for the CADMP wet deposition network are managed using the Laboratory Information Management System (LIMS). These activities are conducted by the Inorganic Laboratory section in the Monitoring and Laboratory Division. Currently, data collected at the field sites (e.g., sample code number, rain gauge depth, wet bucket volume, on-site pH and conductivity measurements) are logged by hand into LIMS, while analyte concentration data are transferred electronically from the analyzers directly into LIMS. A data screening program performs selected calculations and checks for data points below prescribed limits of detection. Each month of data is reviewed by staff chemists in the Monitoring and Laboratory Division before being archived by the Technical Support Division or released to the Research Division for additional data validation testing. The data sets released by the Monitoring and Laboratory Division are considered to be level I validated data sets.

B. Data Validation

Data validation is the process by which data are screened and accepted or rejected based on a prescribed set of criteria (Bowersox, 1984; Taylor, 1987). Previously, data from hydrological years 1985 to 1987 (July 1984 to June 1987) were subject to a level II validation by the Air Quality Data Review section in the Technical Support Division (Cook and Le, 1988). However, due to resource limitations in subsequent years, the level I validated data from the Monitoring and Laboratory Division have only been archived by the Technical Support Division, and have not been subject to a level II validation. In recent years, efforts

were initiated to implement a personal computer-based data validation system for the CADMP wet deposition data in the Research Division. At this time, a Statistical Analysis System (SAS) program (SAS Institute, Inc., 1988) is being used to apply a series of level II validation tests that was previously used by the ARB in hydrological years 1985-1987. This program is consistent with the guidelines established for data validation by the National Atmospheric Deposition Program/National Trends Network (NADP/NTN; Bowersox, 1984; James, 1993).

In consideration of the backlog of data from previous years (HY 1988 to present), only the data for which there are documented instrument malfunctions or errors during sample collection have been invalidated. Typically, after the SAS program has been applied to a data set, the entire data set is re-examined, and a list of exceptional data points is compiled for either the Program Evaluation and Standards section or Inorganic Laboratory section in the Monitoring and Laboratory Division to verify. This list of data is checked against the data in sample report forms to determine if errors in transcription may have occurred when logging the information into LIMS. Following confirmation from the Monitoring and Laboratory Division, the data set for a given hydrological year is considered to be level II validated.

C. Note to Users

These level II validated data sets contain codes that characterize various aspects of single-event data quality (i.e., weekly or event samples) relative to reasonable limit values based on multiple years of data. The codes are explained in the following section on decision rules used to designate data as valid, at the limit of detection, missing, unvalidated or suspect (cf. Part IV). Data coded as "suspect" should not categorically be designated as invalid. In

most instances, because of the time between sample analysis and data review (i.e., several months), site operators may not have clear recognition of a particular sample nor can samples be re-analyzed for verification. In this report, data coded as "suspect" denote that the numerical value of the data is larger or smaller than would be expected, based on average values calculated from several years of wet deposition data (cf. James, 1993). Within the annual summaries in Part VIII, "spaces/voids" represent weeks when no rain was deposited, "." represents missing data, and "-" represents data which has been deleted by data reviewers. Users are encouraged to examine each data point and apply their own level III validation tests before calculating numerical indicators of temporal or spatial tendencies.

IV. Decision Rules for Level II Validation of the CADMP Wet Deposition Data

To test the accuracy of the SAS program, the CADMP wet deposition data for hydrological year 1993 (July 1992 to June 1993) were used as a case study. After applying the SAS program, the output was checked to determine if the tests were being applied properly and protocols were established for designating data points which were identified as at the limit of detection, missing, unvalidated or suspect.

A. Definitions of Flag Codes

* L Limit-of-Detection (LOD); observation contains one or more analyte levels at or below the LOD, level II validation test was not applied
* M Missing data; test could not be applied due to missing data
* S Suspect; observation is > or < values in an expected range
* U Unvalidated; test could not be applied to determine if observation was V or S
* V Valid; observation is within a range based on known principles

B. Equation or Basis for the Level II Validation Tests

1. Flag: "volume percent difference" (VPD)

Equation: $VPD = \{1 - [(raingage - precip)/raingage]\} \times 100\%$

* raingage = rain depth (in) measured with a Belfort rain gauge
* precip = calculated rain depth based on rain in the Aerochem wet bucket collector
* precip conversion factor: 1724 mL = 1 in of rainfall

The following decision rules apply to all data:

Decision Rule	Numerical Value of VPD
V	$50\% \geq VPD \leq 150\%$
S	$VPD < 50\%$ or $VPD > 150\%$
U	raingage depth ≤ 0.05 in
M	raingage or precip was not measured

2. Flag: "exceptional pH difference" (EPD)

Equation: EPD = |pH-L - pH-F|

* pH-L = pH measured in the lab (by NLB or SLB staff in MLD)
* pH-F = pH measured in the field (by the site operator)

Decision rules differ depending on the pH of sample measured in the lab; two sets of decision rules are used if lab pH $\leq$ 5.00 or if 5.00 > lab pH < 9.00:

Decision Rules	Numerical Value of EPD	
	pH-L $\leq$ 5.00	5.00 > pH-L < 9.00
V	EPD < 0.2	EPD < 0.5
S	EPD $\geq$ 0.2	EPD $\geq$ 0.5
U	pH > 9.00	pH > 9.00
M	pH-F is missing	pH-F is missing

3. Flag: "ion percent difference" (IPD)

Equation: IPD = [(anions - cations)/(total ions)] x 100%

* Anions, cations and total ions expressed as μeq L^{-1}
* $[PO_4^{3-}]$ is not included in the anions
* $[HCO_3^-]$ is calculated as: 5.156 ÷ $[H^+]$ (based on pH in μeq L^{-1})
  - -- cf. Stensland GJ. 1992. Acid Rain. In Encyclopedia of Environmental Science & Engineering.
  - -- solubility of CO_2 in water = 3.38 x 10^{-2} moles L^{-1}
  - -- amount of dissolved CO_2 as H_2CO_3 = 3.4 x 10^{-4}
  - -- ionization constant for H_2CO_3 = 4.45 x 10^{-7}
* Total ions = (anions + cations)
* IPD > 0, indicates excess anions (Cl^-, NO_3^-, SO_4^{2-}, HCO_3^-; histogram is skewed right)
* IPD < 0, indicates excess cations (Na^+, K^+, Ca^{2+}, Mg^{2+}, NH_4^+, H^+; histogram is skewed left)
* IPD distributions are typically skewed one way or the other (James, 1993)
* CADMP data are skewed left, indicative of excess cations
* LOD levels changed following the use of new instruments or a transfer in lab operations
* [Analyte] "at the LOD" were assigned a value of 0.5 times the [LOD] as listed below:

Cl^-	[LOD] = 0.03 mg L^{-1} (0.85 μeq L^{-1})	[Assigned] = 0.015 mg L^{-1}
NO_3^-	[LOD] = 0.02 mg L^{-1} (0.32 μeq L^{-1})	[Assigned] = 0.01 mg L^{-1}
SO_4^{2-}	[LOD] = 0.01 mg L^{-1} (0.21 μeq L^{-1})	[Assigned] = 0.005 mg L^{-1}
Na^+	[LOD] = 0.04 mg L^{-1} (1.74 μeq L^{-1})	[Assigned] = 0.02 mg L^{-1}

NH_4^+	[LOD] = 0.01 mg L^{-1} (0.56 µeq L^{-1})	[Assigned] = 0.005 mg L^{-1}
K^+	[LOD] = 0.05 mg L^{-1} (1.28 µeq L^{-1})	[Assigned] = 0.025 mg L^{-1}
Mg^{2+}	[LOD] = 0.02 mg L^{-1} (1.65 µeq L^{-1})	[Assigned] = 0.01 mg L^{-1}
Ca^{2+}	[LOD] = 0.03 mg L^{-1} (1.50 µeq L^{-1})	[Assigned] = 0.015 mg L^{-1}

Decision rules differ depending on total ion concentration; three sets of rules are used if total ions < 50 µeq L^{-1}, 50 µeq L^{-1} ≥ total ions ≤ 100 µeq L^{-1} or total ions > 100 µeq L^{-1}:

Decision Rules	Numerical Value of IPD		
	total < 50	50 ≥ total ≤ 100	total > 100
V	-60 > IPD < +60	-30 > IPD < +30	-15 > IPD < +15
S	IPD > +60 or < -60	IPD > +30 or < -30	IPD > +15 or < -15
L	[analyte] @ LOD	[analyte] @ LOD	[analyte] @ LOD
M	missing data	missing data	missing data

4. *Flag: "conductivity percent difference" (CPD)*

Equation: CPD = [(Cond-C - Cond-L)/Cond-L] x 100%

* Cond-C = calculated conductivity based on ion concentrations
* Cond-L = conductivity measured in the lab (by NLB or SLB staff in MLD)
* Factors for calculating Cond-C:

-- H^+ = (µeq H^+ L^{-1}) x 0.35
-- Ca^{2+} = (µeq Ca^{2+} L^{-1}) x 0.0595
-- Mg^{2+} = (µeq Mg^{2+} L^{-1}) x 0.0530
-- K^+ = (µeq K^+ L^{-1}) x 0.0735
-- Na^+ = (µeq Na^+ L^{-1}) x 0.0501
-- NH_4^+ = (µeq NH_4^+ L^{-1}) x 0.0735
-- HCO_3^- = (µeq HCO_3^- L^{-1}) x 0.0445
-- Cl^- = (µeq Cl^- L^{-1}) x 0.0765
-- OH^- = (µeq OH^- L^{-1}) x 0.198
-- NO_3^- = (µeq NO_3^- L^{-1}) x 0.0714
-- SO_4^{2-} = (µeq SO_4^{2-} L^{-1}) x 0.080

The following decision rules apply to all data:

Decision Rules	Numerical Value of CPD
V	-40 ≥ CPD ≤ +10
S	CPD > +10 or < -40
L	[analyte] @ LOD
M	missing data

5. Flag: "excluded sample period" (ESP)

Basis: Duration of rain sampling period was 16 days or less

The following decision rules apply to all data:

Decision Rules	Numerical Value of ESP
V	0 > number of sampling days ≤ 16
S	Number of sampling days > 16

6. Flag: "low volume sample" (LVS)

Basis: Volume of a rain sample in the Aerochem wet bucket was < 35 mL

The following decision rules apply to all data:

Decision Rules	Numerical Value of LVS
V	Sample volume ≥ 35 mL
S	Sample volume < 35 mL
M	Missing data

7. Flag: "sampling period completeness" (SPC)

Basis: There must be reliably collected samples for > 75% of the hydrological year

* a representative annual sampling period consists of at least 39 weekly samples
* each quarter of the year must capture at least 10 weekly collections (out of 13)

Equation: (Σ days of sampling $\div$ 365) x 100%

* for leap years, divide by 366
* slight adjustments may be needed due to the sampling protocol (collections on Tuesdays)

The following decision rules apply to all data:

Decision Rules	Numerical Value of SPC
V	> 75%
S	≤ 75%

V. Application of the Level II Data Validation Tests to HYs 1988-1990

A. Total Rain-Weeks

The number of rain-weeks differed among HYs due to reduced sampling efforts in HY 1989 and the closure of eight sites in 1990 (Table 1). HY 1988 had the greatest number of rain-weeks with 749 followed by HY 1989 with 595 and HY 1990 with 538 rain-weeks (does not include any data from collocated samplers).

Table 1. Number of Rain-Weeks and Site Closures in HYs 1988-1990

	No. of Rain-Weeks		
Site	HY 1988	HY 1989	HY 1990
Anaheim	22	13	16
Bakersfield	19	13	14
Berkeley	17	17	21
Bethel Island	22	20	18
El Monte	18	14	17
Escondido	24	15	20
Eureka	35	10 (Partial Year)	(Closed)
Gasquet	33	32	34
Lake Isabella	18	18	15
Lakeport	26	14	(Closed)
Lindcove	18	6 (Partial Year)	(Closed)
Lynwood	18	13	21
Montague	30	31	33
Mt Wilson	22	17	19
Napa	24	25	19
Nipomo	18	6 (Partial Year)	(Closed)

Table 1 (Cont'd). Number of Rain-Weeks and Site Closures in HYs 1988-1990			
Pasadena	21	18	17
Quincy	1 (Partial Year)	17	24
Reseda	19	15	16
Sacramento	24	24	22
Salinas	25	7 (Partial Year)	(Closed)
San Bernardino	26	13	21
San Jose	20	20	15
San Nicolas	20	5 (Partial Year)	(Closed)
San Rafael	24	8 (Partial Year)	(Closed)
Santa Barbara	16	16	16
Sequoia-Ash Mountain	23	24	22
Sequoia-Emerald Lake	10 (Summer Only)	11 (Summer Only)	7 (Summer Only)
Sequoia-Giant Forest	25	28	22
Soda Springs	33	33	33
So. Lake Tahoe	28	31	28
Tanbark Flat	25	17	22
Victorville	20	7 (Partial Year)	(Closed)
Yosemite	25	37	26
No. of Sites	34	34	26
No. of Rain-Weeks	749	595	538

B. Level II Data Validation Flags: Frequency of Occurrence

1. VPD (Volume Percent Difference -- see section IV.B.1)

The distribution of data validation flags was similar in HYs 1988-1990 (Table 2). On average, 73% of the data were valid and 2% were suspect. The test was not applied to an

average of 25% of the data; 13% were unvalid due to low volume rain events (< 0.05 in) and 12% did not have valid measurements for the rain gauge or bucket sampler.

Table 2. Distribution of VPD Flags for HYs 1988-1990

	Flag Code Designation			
HY	Valid	Suspect	Unvalid	Missing
1988	562 (75%)	6 (1%)	93 (12%)	88 (12%)
1989	430 (72%)	9 (2%)	76 (13%)	80 (13%)
1990	391 (73%)	11 (2%)	76 (14%)	60 (11%)
3-Year Mean %	73	2	13	12

2. EPD (Exceptional pH Difference -- see section IV.B.2)

For HYs 1988-1990, an average of 92% of the data were valid and 8% were suspect (Table 3). A lower number of flags occur for this test largely because field pH measurements are not made for the sites in the South Coast basin.

Table 3. Distribution of EPD Flags for HYs 1988-1990

	Flag Code Designation	
HY	Valid	Suspect
1988	369 (89%)	47 (11%)
1989	331 (95%)	17 (5%)
1990	267 (92%)	22 (8%)
3-Year Mean %	92	8

3. IPD (Ion Percent Difference -- see section IV.B.3)

In HYs 1988-1990, an average of 73% of the data were valid and 8% were suspect

(Table 4). The IPD test was not applied to an average of 18% of the data; these data exhibited analyte levels at the limit-of-detection (LOD) or did not contain a full complement of analyte concentration measurements to perform the test (missing data).

For the suspect data (151 samples in HYs 1988-1990; Table 4), approximately 65% were rain samples with depths < 0.2 in and 35% were samples > 0.2 in with total ion concentrations > 100 μeq L^{-1} (data not shown). Most of the > 0.2 in suspect values occurred in HY 1988 (32 of 90) at 17 sites. With four exceptions, the values of IPD were < 30, which is the upper limit for samples with total ion concentrations between 50 to 100 μeq L^{-1}. In HYs 1989 and 1990 there were considerably fewer occurrences, 11 of 46 (at 10 sites) and 7 of 15 (at 4 sites), respectively. In HY 1989, only two samples exhibited IPD values > 30 and none were observed in HY 1990.

Table 4. Distribution of IPD Flags for HYs 1988-1990

	Flag Code Designation			
HY	Valid	Suspect	LOD	Missing
1988	499 (71%)	90 (13%)	99 (14%)	10 (1%)
1989	417 (76%)	46 (8%)	64 (12%)	20 (4%)
1990	352 (73%)	15 (3%)	96 (20%)	19 (4%)
3-Year Mean %	73	8	15	3

4. CPD (Conductivity Percent Difference -- see section IV.B.4)

In HYs 1988-1990, an average of 77% of the data were valid and 5% were suspect (Table 5). The CPD test was not run on an average of 18% of samples, which exhibited analyte concentration values at the limit-of-detection (LOD) or had missing values. The

observations flagged as L for CPD were the same as those flagged in the test for IPD.

Table 5. Distribution of CPD Flags for HYs 1988-1990				
	Flag Code Distribution			
HY	Valid	Suspect	LOD	Missing
1988	536 (77%)	53 (8%)	99 (14%)	10 (1%)
1989	436 (80%)	27 (5%)	64 (12%)	20 (4%)
1990	359 (74%)	8 (2%)	96 (20%)	19 (4%)
3-Year Mean %	77	5	15	3

5. ESP (Excluded Sample Period -- see section IV.B.5)

In HYs 1988-1990, there were only four samples collected for periods longer than 16 days (Table 6).

Table 6. Distribution of ESP Flags for HYs 1988-1990		
	Flag Code Designation	
HY	Valid	Suspect
1988	738 (100%)	1 (0%)
1989	570 (100%)	0 (0%)
Table 6 (Cont'd). ESP Flags for HYs 1988-1990		
1990	519 (99%)	3 (1%)
3-Year Mean %	100	0

6. LVS (Low Volume Sample -- see section IV.B.6)

In HYs 1988-1990, about 87% of the data were valid, and 8% of the rain-weeks exhibited bucket sampler volumes < 50 mL (suspect; Table 7). On average, 5% of the data

were designated as missing due to the lack of a valid bucket sampler measurement.

Table 7. Distribution of LVS Flags for HYs 1988-1990

	Flag Code Designation		
HY	Valid	Suspect	Missing
1988	658 (88%)	67 (9%)	22 (3%)
1989	506 (85%)	40 (7%)	49 (8%)
1990	462 (87%)	44 (8%)	27 (5%)
3-Year Mean %	87	8	5

C. Field Operator Remark Codes

The Sample Report Form is provided to field site operators to record information pertaining to the collection of a weekly rain sample (ARB, 1994). Under item 14, field operators provide remarks if they observe any irregularities that could affect the quality of a sample. A list of remark codes is provided on the back of the Sample Report Form; there are 13 remark codes (A-L and Z) which cover a variety of common occurrences with respect to the bucket sampler, rain gauge and measurements of field pH and conductivity.

As part of the level II validation procedure, all data that have been assigned a remark code are checked to determine if data anomalies can be explained by an equipment malfunction or operator-related error in sample collection. On a case-by-case basis, rain volume or chemistry data for a given weekly observations can be designated as missing, left in the data base unchanged or sent to MLD for verification. Complete lists of the decisions made for the data with remark codes are provided in Appendices A, B and C.

1. Rain Volume-Related Remark Codes (B, J, L and Z)

Selected remark codes are indicative of irregularities that may affect the quality of rain volume-related measures collected by the Belfort rain gauge or the Aerochem bucket sampler. These include:

B: (Bucket) Sampler malfunction -- could affect the value of the precip measurement
J: (sample) Validity in question -- could affect both the raingage or precip measurement
L: Rain gauge malfunction -- could affect the raingage measurement
Z: Other occurrences (requires an explanation by the field operator)

The number of observations with remark codes was lower in HY 1990 than in HY 1988 or HY 1989 (Table 8). The most common volume-related remark code was the Z code (41% to 67% of all remark codes) followed by L (20% to 42%) and B (3% to 10%).

Table 8. Distribution of Rain Volume- and Chemistry-Related Remark Codes*

	No. of Occurrences		
Remark Code	HY 1988	HY 1989	HY 1990
Total	221	197	71
B	23 (10%)	6 (3%)	7 (10%)
J	3 (1%)	2 (1%)	0 (0%)
L	54 (24%)	39 (20%)	30 (42%)
Z	149 (67%)	111 (56%)	29 (41%)
% of Total**	94	75	93
E	7	23	4
% of Total ***	72	67	56

(*) Number of observations with the code; observations with multiple codes (e.g., B, Z) are counted once for each remark code. Parenthetical data are the % observations with the code in the HY.
(**) % of observations containing at least one volume-related remark code (B, J, L or Z).
(***) % of observations containing at least one chemistry-related remark code (B, J, E or Z).

2. Rain Chemistry-Related Remark Codes (B, E, J and Z)

Selected remark codes are indicative of irregularities that may affect the concentrations of analytes in weekly rain samples. Rain chemistry-related remark codes include:

B: (Bucket) Sampler malfunction -- could affect the quality of the bucket sample
E: Sample tainted -- suggests irregular inputs to the bucket sample
J: (sample) Validity in question -- could affect the quality of the bucket sample
Z: Other occurrences (requires an explanation by the field operator)

In HYs 1988-1990, the amount of chemistry-related remark codes ranged from 56% to 72% of the total number of remark codes in a given HY (Table 8). Chemistry-related codes occurred less often than volume-related remark codes (the number of L codes is greater than the number of E codes).

D. Overview of Screening Procedure

1. Rain Volume-Related Data

Observations that were: (1) suspect by the VPD test, (2) valid by the VPD test but the rain gauge and bucket sampler volume differed by 0.2 in or more, or (3) assigned rain volume-related flag codes were re-examined to determine if the observation should be kept in the wet deposition data base, deleted or modified. Complete lists of the decision rules and actions taken are provided in Appendices A, B and C.

2. Rain Chemistry-Related Data

Observations that were: (1) suspect by the IPD test or (2) assigned rain chemistry-related flag codes, were checked to determine if the observation should be kept in the wet deposition data base or modified. Because of the time between sample analysis and data

validation, no data were deleted unless found to coincide with a documented instrument malfunction.

Data from HYs 1988 to 1990 were compared with 17-year mean 90th percentile and maximum values measured at seven NADP/NTN sites in California (Table 9). The network of CADMP sites contains a greater number of near-urban, urban and coastal sites, which contributes to observed differences in 90th percentile values for Ca^{2+}, Na^{+}, NH_4^{+} and Cl^{-}. Maximum values at NADP/NTN sites were not consistently higher or lower than CADMP values measured in HYs 1988-1990.

Table 9. 90th Percentile and Maximum Values: NADP/NTN and CADMP Sites*

	Analyte Concentration (mg L^{-1})							
Site	Ca^{2+}	Mg^{2+}	K^{+}	Na^{+}	NH_4^{+}	NO_3^{-}	Cl^{-}	SO_4^{2-}
Chuchupate	0.58	0.13	0.12	0.62	0.64	2.93	0.72	1.85
Davis	0.32	0.15	0.12	0.79	1.28	2.48	1.08	1.65
Giant Forest	0.38	0.10	0.18	0.46	1.23	3.96	0.63	1.85
Hopland	0.24	0.13	0.07	0.91	0.33	1.08	1.39	0.89
Montague	0.23	0.05	0.06	0.30	0.40	1.38	0.35	0.79
Tanbark Flat	0.90	0.33	0.18	1.51	1.62	8.63	2.00	4.54
Yosemite	0.35	0.11	0.10	0.43	0.73	2.85	0.55	1.41
7-Site Median	0.35	0.13	0.12	0.62	0.73	2.85	0.72	1.65
CADMP	0.65	0.17	0.15	1.23	1.16	3.88	2.09	2.23
7-Site Maximum	7.43	2.64	6.36	23.4	30.9	56.9	22.3	34.5
CADMP	8.59	6.83	4.55	53.6	17.4	25.4	111	24.3

(*) NADP/NTN data from 1978 to 1994; CADMP data from HYs 1988-1990.

VI. Hydrological Year Reports (ARB, 1989, 1990c, 1991)

A. Bucket Rinse Data (HYs 1988-1990)

Each month, on the first Tuesday after a week when no rain was deposited, the Aerochem sampling bucket at each site was rinsed with 250 mL of water (Note: The rinse volume was reduced to 100 mL as of 16 September 1988; Yu and Papa, 1988). The rinse water is analyzed to determine the extent of passive bucket sampler contamination -- the amount of analytes deposited to the bucket sampler when it is not in operation. The most probable sources of contamination are depositions that occur during high winds or fog events.

In HYs 1988-1990, analyte levels in bucket rinse water were slightly higher than HY 1985-1990 volume-weighted minima in precipitation for the CADMP (Table 10; Blanchard and Tonnessen, 1993). For analytes other than K^+ and Ca^{2+}, concentrations in bucket rinses were lower than the six-year volume-weighted average levels in precipitation at over 80% of sites in the CADMP. Levels of K^+ and Ca^{2+} in bucket rinses were greater than or equal to the six-year volume-weighted average levels in precipitation at ~40% of CADMP sites.

Table 10. Bucket Rinse Data: Statewide Averages and Ranges for HYs 1988-1990*

Measure	HY 1988	HY 1989	HY 1990
Conductivity	2.5 (0.9 to 38.8)	3.67 (0.9 to 33.0)	3.13 (0.3 to 86.6)
pH	5.54 (4.83 to 6.53)	5.6 (5.08 to 5.9)	N/A
Chloride (Cl^-)	0.139 (0.01 to 8.35)	0.32 (0.01 to 5.17)	0.161 (0.002 to 1.35)
Nitrate (NO_3^-)	0.149 (0.01 to 2.04)	0.334 (0.01 to 2.94)	0.325 (0.01 to 5.54)

Table 10 (Cont'd). Bucket Rinse Data: HYs 1988-1990			
Sulfate (SO_4^{2-})	0.083 (0.05 to 1.96)	0.271 (0.03 to 3.35)	0.236 (0.005 to 2.77)
Ammonium (NH_4^+)	0.054 (0.02 to 1.04)	0.097 (0.003 to 1.59)	0.075 (0.02 to 0.85)
Sodium (Na^+)	0.086 (0.003 to 10.7)	0.226 (0.003 to 4.24)	0.098 (0.005 to 1.25)
Potassium (K^+)	0.023 (0.003 to 0.72)	0.055 (0.001 to 0.86)	0.038 (0.002 to 0.51)
Magnesium (Mg^{2+})	0.012 (0.003 to 0.5)	0.032 (0.002 to 0.48)	0.024 (0.002 to 0.18)
Calcium (Ca^{2+})	0.104 (0.006 to 2.16)	0.105 (0.006 to 0.99)	0.118 (0.01 to 0.75)

(*) Conductivity = $\mu S\ cm^{-1}$; Analyte concentrations in mg L^{-1}

B. Laboratory Accuracy (HYs 1988-1990)

In HYs 1988-1990, ARB participated in the USEPA Acid Rain Performance Survey. The results of the biannual surveys are presented in Table 11. Over the three HYs, average percent differences were consistently < 10% for pH, conductivity and sulfate, and < 25% for most of the other analytes. For selected analytes (ammonium, nitrate, chloride and calcium), laboratory accuracies were occasionally > 25%. A 25% difference was considered to be a level of analytical uncertainty that data users need to be informed about. The criteria for selecting 25% as a threshold level of uncertainty were:

* the lowest reference sample concentration was 0.04 mg Ca^{2+} L^{-1}; the LOD for Ca^{2+} is 0.03 mg L^{-1} and a difference of 0.01 mg L^{-1} represents a 25% difference.

* of all the analytes measured in the survey, the measurement of Ca^{2+} was the most variable (average percent difference = 39%; n = 76); a 25% difference approximates the 50 percentile value for samples analyzed in 1988 (Lampe, 1988).

* large percentage differences occurred most often in samples with concentrations less than 0.5 mg L^{-1}; since most rain samples are dilute (analyte concentrations < 2.5 mg L^{-1}), occasional differences of 0.1 mg L^{-1} would not substantially alter calculated rates of analyte deposition unless systematic differences are occurring.

Table 11. Laboratory Accuracy: Average Percent Differences for HYs 1988-1990*

Measure	HY 1988	HY 1989	HY 1990
pH	Oct '87: +1 Apr '88: +1	Oct '88: +1 Jul '89: +1	Oct '89: +4 Jun '90: +2
Conductivity	Oct '87: -3 Apr '88: +3	Oct '88: -2 Jul '89: -1	Oct '89: -2 Jun '90: -6
Sulfate (SO_4^{2-})	Oct '87: +6 Apr '88: -3	Oct '88: +5 Jul '89: +3	Oct '89: +3 Jun '90: +1
Ammonium (NH_4^+)	Oct '87: +11 Apr '88: -23	Oct '88: n/a Jul '89: +8	Oct '89: -14 Jun '90: +11
Nitrate (NO_3^-)	Oct '87: +33 Apr '88: -2	Oct '88: -11 Jul '89: +16	Oct '89: -1 Jun '90: +6
Chloride (Cl^-)	Oct '87: -7 Apr '88: -18	Oct '88: -1 Jul '89: +94	Oct '89: -2 Jun "90: -2
Calcium (Ca^{2+})	Oct '87: -7 Apr '88: +18	Oct '88: +4 Jul '89: -5	Oct '89: +15 Jun '90: BDL
Potassium (K^+)	Oct '87: -1 Apr '88: -1	Oct '88: +4 Jul '89: +11	Oct '89: -5 Jun '90: -22
Magnesium (Mg^{2+})	Oct '87: -8 Apr '88: 0	Oct '88: +7 Jul '89: +9	Oct '89: +1 Jun '90: +19
Sodium (Na^+)	Oct '87: -3 Apr '88: -6	Oct '88: +5 Jul '89: +9	Oct '89: +14 Jun '90: -3

(*) Average Percent Difference = [(R-E) ÷ E] x 100; R = reported value, E = expected value.
n/a = not available, BDL = below detection limit.

1. Ammonium

In HY 1988-1990, NH_4^+ concentrations were < 2.5 mg L^{-1} in 97 to 98% of rain

samples. In HY 1988, an average percent difference of -23% resulted from a low reading for the intermediate reference sample (0.14 vs. 0.47 mg L^{-1}); differences of < 5% were observed for the low and high reference samples (0.08 and 0.83 mg L^{-1}, respectively; Lampe, 1988). In subsequent years, average percent differences have been ± 10%. For this period, NH_4^+ measurements were not consistently higher or lower than the reference values (Table 11).

2. Nitrate

In HY 1988-1990, NO_3^- concentrations were < 2.5 mg L^{-1} in 82 to 84% of rain samples, between 2.5 to 7.5 mg L^{-1} in 13 to 15% of samples and > 7.5 mg L^{-1} in 1-4% of samples. In HY 1988, an average difference of +33% resulted from 92 and 114% differences for reference samples in the concentration range of 1.1 to 1.4 mg L^{-1}. In HY 1989, an average percent difference of 16% resulted primarily from a 42% difference for a low reference sample (0.160 vs. 0.113 mg L^{-1}; Carpenter, 1989).

3. Chloride

In HY 1988-1990, Cl^- concentrations were < 2.5 mg L^{-1} in 91 to 94% of rain samples, between 2.5 to 7.5 mg L^{-1} in 5% of samples and > 7.5 mg L^{-1} in ~1% of samples. In HY 1988, an average percent difference of -18% resulted primarily from a -39% difference in measuring the low reference sample (0.17 vs. 0.28 mg L^{-1}; Lampe, 1988). In HY 1989, +154 (0.908 vs. 0.358 mg L^{-1}) and +121% differences (0.512 vs. 0.232 mg L^{-1}) were observed, resulting in a +94% average percent difference (Carpenter, 1989).

4. Calcium

In HY 1988-1990, Ca^{2+} concentrations were < 2.5 mg L^{-1} in 99% of rain samples. In

HY 1988, an average percent difference of +18% resulted primarily from +20 and +25% differences that occurred from measuring two low reference samples of 0.05 and 0.04 mg L^{-1}, respectively (Lampe, 1988). In HY 1990, an average percent difference of +15% resulted from a +50% difference relative to the low reference sample (0.09 vs. 0.06 mg L^{-1}; reference, 1990).

C. Other Items

Collocated Samplers: Data from collocated samplers were not entered into the CADMP data base (i.e., maintained on the LIMS) and are considered to be missing data. Analyses are needed to determine the precision of the CADMP data, and compare results to similar analyses performed on other precipitation data bases (Topol et al., 1985; Nilles et al., 1994). In data from the NADP/NTN, median relative percent differences for cations were found to be greater than for anions, and highest in analytes that typically are present at levels near their detection limits (Nilles et al., 1994).

VII. References

Air Resources Board (ARB). 1983. Acid Deposition Research and Monitoring Program: Report to the Governor and the Legislature. Research Division, Air Resources Board, Sacramento, CA. pp. 49.

Air Resources Board (ARB). 1986. Acid deposition field sampling and analysis procedures. IN: Air Monitoring Quality Assurance, Volume II. Standard Operating Procedures for Air Quality Monitoring. Monitoring and Laboratory Division, Sacramento, CA. pp. 550

Air Resources Board (ARB). 1989. Quality Assurance Report on Wet Acid Deposition for the 1987/1988 Hydrological Year (July 1987 -- June 1988). Monitoring and Laboratory Division, Air Resources Board, Sacramento, CA. pp. 10.

Air Resources Board (ARB). 1990a. Procedure for the Preparation and Physical Measurements of Wet Deposition Samples. SOP No. MLD 036, Monitoring and Laboratory Division, Sacramento, CA. (In revision)

Air Resources Board (ARB). 1990b. Procedure for the Analysis of Anions and Cations in Wet Deposition Samples by Ion Chromatography. SOP No. MLD 037, Monitoring and Laboratory Division, Sacramento, CA. (In revision)

Air Resources Board (ARB). 1990c. Quality Assurance Report on Wet Acid Deposition for the 1988/1989 Hydrological Year (July 1988 -- June 1989). Monitoring and Laboratory Division, Air Resources Board, Sacramento, CA. pp. 5.

Air Resources Board (ARB). 1991. Quality Assurance Report on Wet Acid Deposition for the 1989/1990 Hydrological Year (July 1989 -- June 1990). Monitoring and Laboratory Division, Air Resources Board, Sacramento, CA. pp. 13.

Air Resources Board (ARB). 1994. Appendix N: Acid Deposition. IN: Standard Operating Procedures for Air Quality Monitoring. Monitoring and Laboratory Division, Sacramento, CA. pp. 31.

Ashbaugh L, Fujita E, Ahuja M, Sanders J, Tonnessen K and Westerdahl D. 1985. The Third Annual Report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. Research Division, Air Resources Board, Sacramento, CA. pp. 218.

Ashbaugh L, Fujita E, Tonnessen K, Ahuja M, Westerdahl D, Cabrera H, Ota E, Unger C, Champomier S and Weir N. 1988. The Fifth Annual Report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. Research Division, Air Resources Board, Sacramento, CA. pp. 152.

Blanchard C, Ahuja M, Ashbaugh L, Champomier S, Croes B, Fujita E, Prasad S, Tonnessen K and Westerdahl D. 1989. The Health and Welfare Effects of Acid Deposition in California: Technical Assessment. Research Division, Air Resources Board, Sacramento, CA. pp. 166.

Blanchard CL and Tonnessen KA. 1993. Precipitation-chemistry measurements from the California Acid Deposition Monitoring Program, 1985-1990. Atmospheric Environment 27A(11): 1755-1763.

Bowersox VC. 1984. Data validation procedures for wet deposition samples at the Central Analytical Laboratory of the National Atmospheric Deposition Program. IN: Johnson TR and Penkala SJ (eds) Quality Assurance in Air Pollution Measurements. Transactions, APCA International Specialty

Conference. p. 500-524.

Brown SM, Takemoto BK, Motallebi N, Mueller M, Margolis H and Prasad SB. 1993. The Atmospheric Acidity Protection Program: Annual Report to the Governor and the Legislature, 1992. Research Division, Air Resources Board, Sacramento, CA. pp. 111.

Carpenter BJ. 1989. Results of acid rain audit. Letter to participant (ARB) from NSI Technology Services Corporation. pp. 4.

Cook JP and Le H. 1988. California Acid Deposition Data: July 1984 -- June 1987. Technical Support Division, Air Resources Board, Sacramento, CA. pp. 107.

Fujita E, Amar P, Ashbaugh L, Walker W, Tonnessen K, Ahuja M and Westerdahl D. 1986. The Fourth Annual Report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. Research Division, Air Resources Board, Sacramento, CA. pp. 280.

James KOW. 1993. Quality Assurance Report, NADP/NTN Deposition Monitoring: Laboratory Operations, Central Analytical Laboratory, 1991. Office of Atmospheric Chemistry, Illinois State Water Survey, Champaign, IL. pp. 89.

Lampe RL. 1988. Results of 1988 Acid Rain Performance Survey. Letter to participant (ARB) from the USEPA Performance Evaluation Branch, 13 September 1988. pp. 4.

Nilles MA, Gordon JD and Schroder LJ. 1994. The precision of wet atmospheric deposition data from the National Atmospheric Deposition Program/National Trends Network sites determined with collocated samplers. Atmospheric Environment 28(6): 1121-1128.

Sanders J, Fujita E, Tonnessen K, Westerdahl D, Ashbaugh L, Ahuja, M and Robertson C. 1984. The Second Annual Report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. Research Division, Air Resources Board, Sacramento, CA. pp. 85.

SAS Institute, Inc. 1988. SAS® Language Guide, Release 6.03 Edition. SAS Institute, Inc., Cary, NC. pp. 530.

Takemoto BK, Bergen M, Motallebi N, Mueller M, Margolis H and Prasad SB. 1992. The Atmospheric Acidity Protection Program: Annual Report to the Governor and the Legislature, 1991. Research Division, Air Resources Board, Sacramento, CA. pp. 88.

Taylor JK. 1987. Quality Assurance of Chemical Measurements. Lewis Publishers, Inc. Chelsea. pp. 328.

Tonnessen K, Takemoto B, Prasad S, Ahuja M, Van Curen T, Margolis H and Westerdahl D. 1991. The Atmospheric Acidity Protection Program: Annual Report to the Governor and the Legislature, 1990. Research Division, Air Resources Board, Sacramento, CA. pp. 93.

Topol LE, Lev-On M, Flanagan J, Schwall RJ and Jackson AE. 1985. Quality Assurance Manual for Precipitation Measurement Systems. Volume 5. Report No. EPA/600/4-82/042a. U.S. Environmental Protection Agency, Office of Research and Development, Research Triangle Park, NC. pp. 172.

Yu K and Papa P. 1988. Changes in Procedure. ARB Memo to Field Operators of Acid Deposition Monitoring Network Stations. 16 September 1988. pp. 1.

VIII. Annual Data Summaries of Hydrological Years 1988-1990

The data presented in this section are from the wet deposition monitoring network for the period July 1987 through June 1990. Data for each site are listed alphabetically according to the site name.

Definitions of Terms in the Data Tables

SITE: Air Resources Board site name.
SITE NUMBER: Air Resources Board site number.
BASIN: Air Resources Board basin name.
YEAR: Calendar years (hydrological year spans July through June).
START: Starting date of the sampling period.
STOP: Stop date of the sampling period.
DAYS: Number of days in the sampling period.
REMARKS: Remarks on Sample Report Forms by field operators

- A: Condensation from dew or fog in sample
- B: Sampler malfunction
- C: Sampler not in operation
- D: Sample lost
- E: Sample tainted
- F: Sample not analyzed
- G: Insufficient sample volume
- H: Sample from NADP site
- I: Average of multiple analysis
- J: Validity in question
- K: Remeasured value
- L: Rain gauge malfunction
- Z: Other

RAINGAGE: Rain gauge reading in inches.
PRECIP: Equivalent depth (inches) of a precipitation sample measured in a standard rain gauge (1724 mL = 1 inch of rainfall; PRECIP = VOLUME x 0.00058).
VOLUME: Sample volume in mL.
pH (FIELD/LAB): Field and laboratory pH measurements.
CONDUCTIVITY (FIELD/LAB): Conductivity in microsiemens per centimeter (uS/cm).
ION CONCENTRATIONS: Ion concentration in milligrams per liter (mg/L).

Na: sodium	Ca: calcium	NH4: ammonium	NO3: nitrate
K: potassium	Mg: magnesium	Cl: chloride	SO4: sulfate

FLAGS: Results of tests to determine if the data points were at the limit of detection, missing, suspect, unvalidated or valid.

LVS: "low volume sample"

Basis: Volume of a rain sample in the Aerochem wet bucket was < 35 mL.

Decision Rules	Numerical Value of LVS
V	*sample volume ≥ 35 mL*
S	*sample volume < 35 mL*
M	*missing data*

IPD: "ion percent difference"

$$IPD = \left[\frac{(anions - cations)}{(total\ ions)}\right] x\ 100\%$$

Decision Rules	Numerical Value of IPD		
	total < 50	50 ≥ total ≤ 100	total >100
V	*-60 > IPD < +60*	*-30 > IPD < +30*	*-15 > IPD < +15*
S	*IPD > +60 or < -60*	*IPD > +30 or < -30*	*IPD > +15 or -15*
L	*[analyte] @ LOD*	*[analyte] @ LOD*	*[analyte] @ LOD*
M	*missing data*	*missing data*	*missing data*

VPD: "volume percent difference"

$$VPD = \left[1 - \left(\frac{(raingage - precip)}{raingage}\right)\right] x\ 100\%$$

Decision Rules	Numerical Value of VPD
V	*50 % ≥ VPD ≤ 150 %*
S	*VPD < 50 % or VPD > 150 %*
U	*raingage depth ≤ 0.05 in*
M	*raingage or precip was not measured*

EPD: "exceptional pH difference"

$$EPD = |pH\text{-}L - pH\text{-}F|$$

Decision Rules	Numerical Value of EPD	
	pH-L $\leq$ 5.00	5.00 > pH-L < 9.00
V	*EPD < 0.2*	*EPD < 0.15*
S	*EPD $\geq$ 0.2*	*EPD $\geq$ 0.5*
U	*pH > 9.00*	*pH > 9.00*
M	*pH-F is missing*	*pH-F is missing*

CPD: "conductivity percent difference"

$$CPD = \left[\frac{(Cond\text{-}C - Cond\text{-}L)}{Cond\text{-}L}\right] x\ 100\%$$

Decision Rules	Numerical Value of CPD
V	*-40 > CPD < +10*
S	*CPD > +10 or < -40*
L	*[analyte] @ LOD*
M	*missing data*

- raingage = rain depth (inches) measured with a Belfort rain gauge.
- precip = calculated rain depth based on rain in the Aerochem wet bucket collector.
- precip conversion factor: 1724 mL = 1 inch of rainfall.
- pH-L = pH measured in the lab (by NLB or SLB staff in MLD)
- pH-F = pH measured in the field (by the site operator)
- LOD = level of detection.
- Cond-C = calculated conductivity based on ion concentrations.
- Cond-L = conductivity measured in the lab (by NLB or SLB staff in MLD)

SUSPECT: Total number of suspect flags.

Wet Deposition Data Tables

Hydrological Year 1988: July 1987 to June 1988

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ANAHEIM SITE NUMBER: 3000194 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		.	0.03	53		4.92		31.50	0.590	0.260	1.150	0.130	0.580	0.930	3.370	2.970	V	M		V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.10	0.09	150		4.12		54.00	0.340	0.080	0.370	0.060	1.610	0.530	6.040	5.320	V	V		V	V	0
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7	G	0.02	0.00	6		3.88		203.00									S	U				1
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		.	0.00	7		3.75		195.00									S	M				1
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.08	0.09	155		5.15		18.40	0.330	0.080	0.560	0.090	1.120	0.640	3.000	1.880	V	V		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.40	0.26	445		5.79		13.50	0.350	0.040	0.230	0.060	1.030	0.680	1.420	1.500	V	V		V	V	0
27-Oct	03-Nov	7		1.11	1.14	1970		5.19		6.70	0.100	0.020	0.030	0.020	0.500	0.340	0.950	0.580	V	V		V	S	1
03-Nov	10-Nov	7	Z	0.45	0.41	700		4.89		15.60	0.350	0.050	0.330	0.070	0.530	0.700	2.200	1.200	V	V		V	V	0
10-Nov	17-Nov	7		0.05	0.04	75		4.27		57.80	1.620	0.110	0.380	0.240	1.120	2.200	6.690	3.820	V	U		V	V	0
17-Nov	24-Nov	7	L	.	0.07	126		4.54		22.10	0.250	0.020	0.960	0.050	0.540	0.320	3.540	1.300	V	M		V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	0.94	0.97	1668		4.79		13.90	0.220	0.750	0.350	0.100	0.400	1.380	1.310	0.840	V	V		V	S	1
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	Z	0.80	0.87	1504		5.29		7.30	0.340	0.150	0.220	0.050	0.150	0.650	0.500	0.660	V	V		V	V	0
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7		0.26	0.23	395		4.78		38.80	2.820	0.130	0.490	0.370	1.830	5.720	2.870	3.630	V	V		V	S	1
05-Jan	12-Jan	7		0.18	0.17	295		5.04		18.10	0.220	0.003	0.230	0.040	1.640	0.300	2.010	2.620	V	V		V	V	0
12-Jan	19-Jan	7	Z	1.67	1.52	2625		4.90		26.10	1.980	0.190	0.320	0.380	0.380	6.290	0.270	1.070	V	V		V	S	1
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.55	0.55	955		5.77		3.80	0.050	0.008	0.008	0.004	0.280	0.050	0.340	0.220	V	V		V	V	0
02-Feb	09-Feb	7	Z	0.03	0.03	50		6.40		12.80	0.020	0.060	0.300	0.110	0.870	0.050	0.410	0.460	V	U		L	L	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.59	0.60	1035		5.23		14.20	1.090	0.060	0.380	0.140	0.290	2.090	0.740	0.990	V	V		V	V	0
01-Mar	08-Mar	7		0.06	0.05	92		5.15		24.70	2.090	0.080	0.640	0.240	0.510	4.150	1.220	1.730	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		1.14	1.04	1800		5.09		9.60	0.420	0.010	0.440	0.070	0.240	0.760	0.690	0.800	V	V		S	V	1
19-Apr	26-Apr	7		0.77	0.65	1115		5.09		12.60	0.500	0.040	0.650	0.070	0.380	0.750	0.900	1.210	V	V		S	V	1
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7	L	.	0.00	8		3.89		76.10									S	M				1
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7	Z	0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BAKERSFIELD SITE NUMBER: 1500203 BASIN: SAN JOAQUIN VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	15-Jul	8		0.00	0.00	0																		
15-Jul	21-Jul	6		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.00	0.02	37		6.30		82.70	0.670	0.660	3.120	0.260	6.200	1.080	16.030	9.780	V	U		V	V	0
27-Oct	03-Nov	7		0.30	0.31	540	6.47	6.74	39.30	40.00	0.200	0.150	0.450	0.050	4.580	0.370	6.500	3.280	V	V	V	S	V	1
03-Nov	10-Nov	7		1.48	1.52	2627	4.98	5.08	12.80	13.30	0.150	0.030	0.110	0.030	0.930	0.200	2.080	1.440	V	V	V	V	V	0
10-Nov	17-Nov	7		0.02	0.03	56		5.47		68.00	0.080	0.140	0.660	0.060	7.550	0.150	19.500	5.470	V	U		V	V	0
17-Nov	24-Nov	7		0.28	0.29	492	5.51	5.62	9.90	9.70	0.040	0.030	0.150	0.020	0.940	0.050	0.990	1.660	V	V	V	V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		0.65	0.64	1096	5.55	5.99	7.30	7.00	0.090	0.020	0.270	0.020	0.520	0.100	0.960	0.760	V	V	V	V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		0.01	0.03	45		6.26		141.20	0.800	0.130	2.210	0.190	17.400	0.880	25.360	24.310	V	U		V	V	0
22-Dec	29-Dec	7		0.20	0.17	298	4.78	4.75	34.60	35.70	0.220	0.040	0.190	0.040	3.000	0.370	7.630	2.700	V	V	V	V	V	0
29-Dec	05-Jan	7		0.40	0.41	710	5.84	6.05	8.70	8.60	0.020	0.002	0.100	0.010	0.940	0.060	0.590	1.190	V	V	V	L	L	0
05-Jan	12-Jan	7		0.00	0.00	3		5.91		39.80									S	U				1
12-Jan	19-Jan	7		0.37	0.39	681	5.27	5.28	11.80	11.90	0.130	0.020	0.110	0.020	1.040	0.120	1.090	1.940	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.05	0.02	41		6.30		32.60	0.260	0.006	0.030	0.002	3.580	0.030	3.800	4.160	V	U		V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	23-Feb	14	Z	0.00	0.00	0																		
23-Feb	01-Mar	7	L	.	0.27	473	5.47	5.50	13.60	12.70	0.140	0.050	0.480	0.030	0.960	0.140	2.230	1.190	V	M	V	S	V	1
01-Mar	08-Mar	7		0.52	0.52	896	5.44	5.93	7.10	7.00	0.070	0.020	0.280	0.030	0.410	0.050	0.620	1.090	V	V	V	V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.30	0.32	551	5.93	6.34	19.10	18.10	0.330	0.150	1.140	0.100	0.890	0.220	1.710	2.900	V	V	V	V	V	0
19-Apr	26-Apr	7		0.77	0.76	1313	5.14	5.54	11.90	11.90	0.190	0.060	0.500	0.060	0.540	0.120	1.000	2.040	V	V	V	V	V	0
26-Apr	04-May	8		0.00	0.00	0																		
04-May	10-May	6	L	.	0.08	136	5.16	5.35	41.80	42.00	1.900	0.930	2.000	0.370	1.140	3.550	3.370	6.160	V	M	V	V	V	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7	L	.	0.13	216	6.39	5.39	27.60	24.90	0.990	0.340	2.100	0.180	0.290	0.860	1.370	3.610	V	M	S	S	V	2
31-May	08-Jun	8		0.00	0.00	0																		
08-Jun	14-Jun	6		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.02	33		5.35		71.50	0.910	0.700	3.700	0.310	4.650	1.490	4.920	7.040	S	U		S	V	2
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BERKELEY SITE NUMBER: 6000341 BASIN: S.F. BAY AREA YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	02-Sep	29	Z	0.00	0.00	0																		
02-Sep	10-Sep	8		0.00	0.00	0																		
10-Sep	16-Sep	6		0.00	0.00	0																		
16-Sep	23-Sep	7		0.00	0.00	0																		
23-Sep	30-Sep	7		0.00	0.00	0																		
30-Sep	28-Oct	28	J,L,Z	.	1.53	2640	4.62	4.64		13.40	0.050	0.020	0.070	0.010	0.190	0.140	1.930	0.550	V	M	V	L	L	1
28-Oct	04-Nov	7		0.00	0.00	0																		
04-Nov	11-Nov	7	D	0.23	0.19	325	4.82		4.10		.	.	.	.	.	.	.	.	V	V		M	M	0
11-Nov	18-Nov	7	L,Z	.	1.47	2535		5.15	4.20	5.20	0.100	0.010	0.010	0.010	0.160	0.120	0.450	0.310	V	M		L	L	0
18-Nov	02-Dec	14	Z	1.60	1.49	2565	5.01	5.29	7.40	9.00	0.690	0.040	0.090	0.080	0.160	1.130	0.430	0.540	V	V	V	V	V	0
02-Dec	10-Dec	8		2.98	2.41	4150	5.25	5.30	8.70	9.00	0.740	0.040	0.400	0.090	0.200	1.590	0.390	0.480	V	V	V	V	S	1
10-Dec	14-Dec	4	Z	0.00	0.00	0																		
14-Dec	22-Dec	8		0.85	0.89	1527	5.60	5.29	7.20	8.20	0.210	0.020	0.210	0.040	0.300	0.250	1.060	0.500	V	V	V	V	V	0
22-Dec	05-Jan	14	Z	2.20	2.35	4050	4.90	4.94	8.70	9.30	0.410	0.006	0.030	0.050	0.220	0.620	0.540	0.370	V	V	V	V	V	0
05-Jan	13-Jan	8		0.40	0.38	656	4.70	4.85	14.50	13.70	0.480	0.030	0.040	0.060	0.250	0.820	0.840	0.930	V	V	V	V	V	0
13-Jan	08-Apr	86		.	.	.													M	M				1
08-Apr	13-Apr	5	Z,L,G	.	0.02	27		4.49		33.90	1.600	0.160	0.370	0.280	0.030	1.960	2.710	2.050	S	M		V	V	1
13-Apr	20-Apr	7		2.35	2.13	3664	4.93	5.03	9.90	10.60	0.680	0.040	0.090	0.090	0.100	1.010	0.510	0.650	V	V	V	V	V	0
20-Apr	27-Apr	7	Z	0.75	0.25	435	4.56	4.84	14.40	15.80	0.750	0.050	0.180	0.100	0.310	1.220	0.780	1.340	V	S	S	V	V	2
27-Apr	04-May	7	G	0.10	0.09	154	4.63	4.86	11.00	12.20	0.380	0.050	0.060	0.150	0.040	0.170	0.900	1.500	V	V	S	V	V	1
04-May	11-May	7		0.79	0.78	1344		5.17	9.40	9.30	0.300	0.030	0.050	0.040	0.340	0.330	0.620	0.730	V	V		V	V	0
11-May	18-May	7	Z	0.30	0.27	457	4.74	4.82	11.10	12.20	0.270	0.030	0.210	0.050	0.310	0.290	1.000	0.890	V	V	V	S	V	1
18-May	24-May	6		0.00	0.00	0																		
24-May	31-May	7	Z	0.20	0.15	251		5.48	10.10	10.00	0.180	0.100	0.400	0.040	0.270	0.310	0.570	0.900	V	V		V	V	0
31-May	07-Jun	7		0.80	0.77	1325	4.75	4.95	15.00	13.80	0.700	0.030	0.420	0.080	0.220	1.180	0.800	0.880	V	V	S	V	V	1
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BETHEL ISL SITE NUMBER: 700442 BASIN: S.F. BAY AREA YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.20	0.22	381	4.85	5.07	22.00	19.70	0.080	0.060	0.210	0.030	1.760	0.300	4.960	1.170	V	V	V	V	V	0
27-Oct	03-Nov	7		0.37	0.33	569	5.19	4.99	12.90	11.30	0.035	0.020	0.130	0.020	0.700	0.260	2.400	0.560	V	V	S	V	V	1
03-Nov	10-Nov	7	F,G	0.02	0.01	10		6.18		13.80	0.340	0.120	0.660	0.080	0.950	0.910	1.350	0.540	S	U		S	V	2
10-Nov	18-Nov	8	Z	0.62	0.75	1292	6.38	6.41	6.00	6.30	0.006	0.002	0.040	0.006	0.770	0.030	0.660	0.250	V	V	V	V	V	0
18-Nov	24-Nov	6		0.32	0.30	518		5.40	5.10	4.40	0.130	0.002	0.080	0.020	0.220	0.250	0.400	0.350	V	V		V	V	0
24-Nov	01-Dec	7		0.69	0.67	1147		6.48	9.80	7.10	0.090	0.020	0.040	0.020	0.760	0.160	0.320	0.250	V	V		V	V	0
01-Dec	08-Dec	7		1.09	1.09	1879.	6.34	6.44	6.20	6.50	0.240	0.020	0.050	0.030	0.630	0.440	0.210	0.230	V	V	V	V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	E	0.49	0.52	890	6.42	6.52	13.70	13.50	0.310	0.130	1.210	0.080	0.750	0.100	0.920	1.180	V	V	V	S	V	1
22-Dec	29-Dec	7		0.73	0.72	1249	5.97	6.16	6.30	6.30	0.290	0.010	0.050	0.030	0.490	0.430	0.500	0.290	V	V	V	V	V	0
29-Dec	05-Jan	7		0.76	0.65	1122	5.60	5.79	5.90	4.40	0.002	0.002	0.050	0.010	0.530	0.040	0.400	0.240	V	V	V	L	L	0
05-Jan	12-Jan	7		0.14	0.11	185	5.96	6.20	16.20	15.90	0.730	0.040	0.150	0.090	1.370	1.170	1.380	1.180	V	V	V	S	V	1
12-Jan	19-Jan	7		1.11	1.16	2000	5.87	6.05	4.90	4.50	0.130	0.020	0.020	0.020	0.340	0.260	0.260	0.260	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.30	0.25	425	4.65	4.63	15.60	16.90	0.140	0.010	0.050	0.020	0.540	0.120	1.940	0.850	V	V	V	V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.50	0.50	866	5.76	6.11	13.10	12.70	0.200	0.040	0.220	0.040	1.160	0.240	2.130	0.820	V	V	V	S	V	1
01-Mar	08-Mar	7		0.04	0.04	74		6.43		14.10	0.770	0.150	1.040	0.140	0.670	1.390	0.840	0.830	V	U		S	V	1
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.29	0.31	541	5.62	5.63	7.90	7.50	0.130	0.020	0.220	0.040	0.500	0.160	0.870	0.670	V	V	V	V	V	0
19-Apr	26-Apr	7		0.18	0.17	300	5.50	5.85	11.20	10.90	0.370	0.040	0.280	0.070	0.650	0.530	1.200	1.160	V	V	V	V	V	0
26-Apr	03-May	7		0.08	0.02	41	5.68	6.02	12.40	11.80	0.660	0.060	0.280	0.070	0.530	1.170	0.660	1.150	V	S	V	V	V	1
03-May	10-May	7		0.42	0.39	679	5.46	5.71	12.40	11.90	0.730	0.040	0.260	0.100	0.520	1.220	1.290	0.760	V	V	V	V	V	0
10-May	17-May	7	Z	0.25	0.24	409	5.40	5.64	3.80	3.20	0.030	0.020	0.250	0.020	0.180	0.010	0.390	0.230	V	V	V	V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7	Z	0.52	0.48	832	4.99	4.99	9.20	8.00	0.280	0.020	0.390	0.040	0.230	0.380	0.860	0.510	V	V	V	V	S	1
07-Jun	14-Jun	7		0.04	0.04	74		4.96		23.80	0.740	0.040	0.270	0.130	0.500	1.090	2.470	1.360	V	U		V	V	0
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: EL MONTE

SITE NUMBER: 7000579

BASIN: SOUTH COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.06	0.05	89		4.47		42.60	0.320	0.080	0.720	0.090	1.410	1.440	5.640	2.750	V	V		V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.13	0.13	217		4.67		29.10	0.250	0.090	0.660	0.100	1.480	0.430	6.030	2.090	V	V		V	V	0
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7	Z	.	0.05	80		5.20		26.00	0.200	0.040	0.460	0.070	2.360	0.500	3.840	3.100	V	M		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		1.50	1.44	2475		4.91		6.10	0.040	0.004	0.050	0.020	0.200	0.150	0.440	0.600	V	V		V	S	1
27-Oct	03-Nov	7		1.68	1.80	3110		4.72		20.30	0.210	0.020	0.050	0.040	0.780	0.470	3.010	1.170	V	V		V	V	0
03-Nov	10-Nov	7		0.86	0.85	1465		4.84		20.80	0.320	0.010	0.140	0.050	0.530	0.600	2.510	1.440	V	V		V	V	0
10-Nov	17-Nov	7	Z	0.12	0.12	202		3.92		80.60	1.460	0.080	0.280	0.200	1.910	2.150	10.480	4.200	V	V		V	V	0
17-Nov	24-Nov	7		0.04	0.04	64		4.38		30.50	0.200	0.040	0.320	0.070	0.670	0.350	4.820	1.520	V	U		V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	1.13	1.11	1915		5.02		14.00	0.760	0.040	0.170	0.080	0.910	1.350	1.560	0.740	V	V		S	S	2
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	Z	0.59	0.57	985		5.30		6.20	0.100	0.020	0.210	0.010	0.410	0.160	0.460	0.640	V	V		L	L	0
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7		0.24	0.23	390		4.90		23.10	1.320	0.070	0.450	0.170	0.980	2.630	1.910	2.170	V	V		V	V	0
05-Jan	12-Jan	7		0.14	0.14	237		5.54		27.10	0.350	0.004	0.890	0.020	2.560	0.090	0.810	3.740	V	V		S	V	1
12-Jan	19-Jan	7	Z	2.53	2.55	4400		5.05		19.70	2.050	0.070	0.090	0.260	0.370	4.630	0.300	0.830	V	V		V	S	1
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.37	0.39	665		5.55		5.50	0.040	0.008	0.003	0.003	0.370	0.040	0.580	0.310	V	V		V	V	0
02-Feb	09-Feb	7		0.11	0.11	184		5.49		4.60	0.002	0.007	0.030	0.002	0.200	0.010	0.220	0.260	V	V		V	V	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	25-Feb	9	Z	0.00	0.00	0																		
25-Feb	02-Mar	6		0.60	0.55	950		5.07		20.30	1.150	0.040	0.610	0.140	0.910	1.800	1.690	2.300	V	V		V	V	0
02-Mar	08-Mar	6		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.51	0.49	850		5.32		8.80	0.170	0.006	0.580	0.040	0.250	0.410	0.690	0.620	V	V		V	V	0
19-Apr	26-Apr	7	Z	1.94	1.90	3275		4.92		13.10	0.260	0.020	0.670	0.040	0.460	0.360	0.920	1.330	V	V		S	V	1
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ESCONDIDO SITE NUMBER: 8000115 BASIN: SAN DIEGO YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0													S	U				1
07-Jul	14-Jul	7		0.00	0.00	2	3.74												V	S	V	V	V	1
14-Jul	21-Jul	7		0.08	0.03	58	4.06	4.15	61.90	65.00	1.000	0.190	0.810	0.230	1.310	2.440	7.070	4.590						
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.05	0.05	80		5.28		28.40	0.590	0.150	0.620	0.130	2.200	0.920	4.890	2.900	V	U		V	V	0
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.08	0.08	132	4.26	4.32	61.40	66.20	4.490	0.340	0.540	0.520	1.020	8.070	5.280	3.450	V	V	V	V	V	0
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.13	0.13	228	4.74	4.60	23.10	25.40	0.300	0.080	0.970	0.190	0.670	0.560	3.280	3.440	V	V	V	V	V	0
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7	L	1.25	1.27	2188	5.28	5.27	4.90	5.20	0.030	0.010	0.070	0.010	0.280	0.160	0.620	0.540	V	V	V	L	L	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.50	0.44	750	5.28	5.14	7.20	7.50	0.070	0.030	0.100	0.020	0.350	0.240	0.860	0.980	V	V	V	V	V	0
27-Oct	03-Nov	7		1.05	1.06	1832	5.29	5.28	7.10	7.40	0.270	0.020	0.020	0.030	0.360	0.520	0.780	0.550	V	V	V	V	V	0
03-Nov	10-Nov	7	Z	1.20	1.21	2082	4.92	5.01	9.70	10.20	0.300	0.020	0.350	0.040	0.190	0.500	1.230	0.550	V	V	V	V	V	0
10-Nov	17-Nov	7		0.10	0.09	150	4.51	4.66	30.80	31.40	1.680	0.070	0.990	0.200	0.380	2.710	3.140	1.630	V	V	V	V	V	0
17-Nov	24-Nov	7		0.05	0.07	117	4.21	4.26	39.30	40.30	0.820	0.050	1.620	0.120	0.320	1.250	6.070	1.280	V	U	V	V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		0.60	0.60	1033	5.27	5.00	6.60	6.40	0.260	0.020	0.290	0.040	0.120	0.490	0.580	0.510	V	V	S	V	S	2
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		1.70	1.68	2900	5.44	5.25	6.10	6.20	0.360	0.040	0.290	0.030	0.200	0.640	0.410	0.400	V	V	V	V	S	1
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7		0.12	0.13	221	5.35	5.18	23.50	25.30	2.870	0.120	0.290	0.320	0.320	5.790	0.430	1.160	V	V	V	V	V	0
05-Jan	12-Jan	7		0.45	0.42	720	5.09	5.04	6.90	7.10	0.006	0.002	0.170	0.090	0.380	0.030	0.440	0.770	V	V	V	S	V	1
12-Jan	19-Jan	7	Z	1.29	1.32	2275	5.04	5.02	51.40	52.80	6.800	0.300	0.340	0.800	0.170	14.310	0.450	1.810	V	V	V	V	S	1
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.45	0.43	735	5.21	5.58	4.70	4.80	0.210	0.020	0.090	0.020	0.080	0.270	0.330	0.240	V	V	V	V	V	0
02-Feb	09-Feb	7		0.65	0.65	1125	5.41	5.89	2.30	2.10	0.002	0.002	0.210	0.010	0.030	0.050	0.130	0.140	V	V	V	L	L	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.35	0.36	620	5.27	5.34	11.50	11.40	0.920	0.040	0.140	0.100	0.260	1.640	0.620	0.640	V	V	V	V	V	0
01-Mar	08-Mar	7		0.22	0.21	365	6.00	5.75	14.90	14.90	1.370	0.040	0.220	0.150	0.420	2.480	0.520	0.800	V	V	V	V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.65	0.69	1195	5.03	4.97	12.70	12.80	0.570	0.010	0.590	0.090	0.230	1.080	1.200	0.680	V	V	V	V	V	0
19-Apr	26-Apr	7		2.50	2.54	4385	5.08	4.94	7.40	8.90	0.320	0.030	0.200	0.040	0.200	0.460	0.500	0.470	V	V	V	V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		.	0.05	90		4.94		64.10	7.460	0.190	1.190	0.890	0.230	14.740	0.900	2.840	V	M		V	V	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.05	0.06	107	4.93	5.10	30.50	31.50	2.600	0.150	0.780	0.310	0.440	5.850	1.780	1.680	V	U	V	V	V	0
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: EUREKA

SITE NUMBER: 1200519

BASIN: NORTH COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.20	0.21	370	4.72	4.75	71.80	69.30	7.970	0.340	0.500	0.990	0.190	15.170	0.730	3.550	V	V	V	V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.10	0.09	156	4.34	4.32	55.60	58.50	4.490	0.280	0.600	0.460	0.010	3.840	0.580	5.370	V	V	V	S	V	1
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.02	0.02	35		4.29		45.90	1.550	0.290	0.980	0.200	0.280	2.420	2.440	4.670	V	U		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.55	0.50	860	4.84	4.84	15.00	16.90	0.670	0.070	0.360	0.110	0.220	1.200	1.540	1.460	V	V	V	V	V	0
27-Oct	03-Nov	7		0.80	0.72	1240	4.96	5.04	28.70	29.00	2.850	0.140	0.300	0.380	0.100	4.570	0.570	1.640	V	V	V	V	V	0
03-Nov	10-Nov	7		0.40	0.35	600	5.13	5.11	10.30	9.30	0.730	0.080	0.080	0.090	0.010	1.460	0.470	0.370	V	V	V	V	V	0
10-Nov	17-Nov	7		1.23	1.23	2118	5.67	5.68	6.40	5.30	0.490	0.040	0.090	0.070	0.030	0.930	0.110	0.200	V	V	V	V	V	0
17-Nov	25-Nov	8		2.20	2.23	3840	5.34	5.28	14.10	13.40	1.420	0.140	0.150	0.180	0.020	2.860	0.160	0.580	V	V	V	V	V	0
25-Nov	01-Dec	6		1.55	1.64	2820	5.50	5.59	5.20	4.70	0.390	0.020	0.030	0.050	0.030	0.750	0.070	0.180	V	V	V	V	V	0
01-Dec	08-Dec	7		7.60	7.33	12630	5.46	5.55	12.90	10.80	1.160	0.070	0.100	0.140	0.040	2.110	0.100	0.400	V	V	V	V	V	0
08-Dec	15-Dec	7		1.40	1.35	2320	5.46	5.40	7.40	6.50	0.550	0.040	0.160	0.070	0.100	1.120	0.210	0.300	V	V	V	V	V	0
15-Dec	22-Dec	7		0.46	0.45	770	5.70	6.09	31.30	30.20	4.100	0.180	0.670	0.480	0.100	7.330	0.510	1.490	V	V	V	V	S	1
22-Dec	29-Dec	7		1.11	1.10	1900	5.33	5.48	23.20	23.20	3.460	0.120	0.100	0.370	0.050	6.130	0.090	0.770	V	V	V	V	S	1
29-Dec	05-Jan	7		1.00	0.87	1500	5.49	5.45	5.60	4.90	0.360	0.010	0.020	0.040	0.090	0.530	0.150	0.140	V	V	V	V	V	0
05-Jan	12-Jan	7		2.50	2.42	4180	5.18	5.32	18.30	16.70	1.940	0.080	0.090	0.220	0.030	3.970	0.150	0.610	V	V	V	V	V	0
12-Jan	19-Jan	7		3.15	3.06	5280	5.25	5.29	14.00	11.50	1.150	0.070	0.080	0.140	0.070	2.330	0.170	0.500	V	V	V	V	V	0
19-Jan	26-Jan	7		0.09	0.07	126	5.20	5.29	12.20	10.90	0.800	0.090	0.290	0.090	0.080	1.500	0.370	0.840	V	V	V	V	V	0
26-Jan	02-Feb	7	Z	0.85	0.79	1370	5.31	5.77	15.00	11.10	1.090	0.060	0.230	0.150	0.040	2.080	0.200	0.580	V	V	V	V	V	0
02-Feb	09-Feb	7		0.07	0.08	144	4.48	4.55	32.00	31.60	1.790	0.210	0.470	0.210	0.300	3.380	0.700	3.070	V	V	V	V	V	0
09-Feb	16-Feb	7		0.01	0.01	23		4.56		56.50	3.130	0.500	2.060	0.370	0.010	5.600	1.130	5.340	S	U		V	V	1
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.70	0.70	1210	5.29	5.61	15.60	14.00	1.400	0.090	0.340	0.190	0.100	2.910	0.420	0.690	V	V	V	V	V	0
01-Mar	08-Mar	7		0.40	0.36	615	4.66	4.73	31.60	29.90	2.770	0.200	0.640	0.340	0.100	5.730	0.260	2.210	V	V	V	V	S	1
08-Mar	15-Mar	7		0.20	0.20	340	5.21	5.47	22.80	20.00	2.840	0.190	0.390	0.290	0.050	4.460	0.120	0.930	V	V	V	V	V	0
15-Mar	22-Mar	7	B	0.15	0.11	197	5.57	5.94	24.20	19.90	2.410	0.400	0.770	0.260	0.030	4.750	0.260	1.050	V	V	V	V	S	1
22-Mar	29-Mar	7	B	0.20	0.20	350	5.50	5.62	18.90	17.80	1.890	0.120	0.260	0.260	0.020	4.120	0.025	0.690	V	V	V	V	V	0
29-Mar	05-Apr	7		0.20	0.23	390	5.27	5.08	24.20	22.20	2.720	0.210	0.290	0.330	0.040	5.220	0.025	0.910	V	V	V	V	S	1
05-Apr	12-Apr	7		0.10	0.11	190	5.54	5.25	41.50	39.80	3.870	0.220	1.480	0.700	0.040	8.540	0.310	3.630	V	V	V	V	V	0
12-Apr	19-Apr	7	Z	0.50	0.53	920	5.16	5.10	11.30	10.70	0.680	0.120	0.200	0.100	0.080	1.090	0.620	0.790	V	V	V	V	V	0
19-Apr	26-Apr	7		0.40	0.43	740	5.38	5.15	8.30	8.00	0.550	0.040	0.300	0.080	0.030	0.900	0.170	0.490	V	V	V	V	V	0
26-Apr	03-May	7		0.65	0.75	1300	5.08	5.11	17.50	16.20	1.730	0.080	0.300	0.210	0.030	3.050	0.025	0.790	V	V	V	V	V	0
03-May	10-May	7		0.12	0.08	136	5.12	5.21	13.80	12.50	1.240	0.080	0.230	0.160	0.030	2.390	0.005	0.790	V	V	V	V	V	0
10-May	17-May	7		0.95	0.97	1675	5.38	5.64	6.20	5.20	0.430	0.030	0.120	0.060	0.090	0.610	0.140	0.240	V	V	V	V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.75	0.70	1200	5.25	5.26	13.70	13.80	1.310	0.080	0.280	0.150	0.050	2.570	0.140	0.580	V	V	V	V	V	0
31-May	07-Jun	7		2.95	2.98	5140	5.46	5.52	4.10	4.60	0.280	0.002	0.170	0.030	0.020	0.440	0.060	0.150	V	V	V	V	V	0
07-Jun	14-Jun	7		0.50	0.45	775	5.31	5.53	6.10	5.90	0.400	0.040	0.003	0.050	0.010	0.560	0.070	0.260	V	V	V	V	V	0
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: GASQUET SITE NUMBER: 800652 BASIN: NORTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
01-Jul	06-Jul	5		0.00	0.00	0																		
06-Jul	14-Jul	8		0.00	0.00	0																		
14-Jul	22-Jul	8	Z,L	0.23	0.24	415	4.54	4.82	12.60	11.40	0.360	0.050	0.080	0.050	0.130	0.650	0.960	0.680	V	V	S	V	V	1
22-Jul	28-Jul	6		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	13-Aug	9		0.00	0.00	0																		
13-Aug	24-Aug	11		0.00	0.00	0																		
24-Aug	04-Sep	11		0.00	0.00	0																		
04-Sep	09-Sep	5		0.00	0.00	0																		
09-Sep	14-Sep	5		0.00	0.00	0																		
14-Sep	28-Sep	14		0.05	0.06	99	4.85	5.00	7.20	7.50	0.280	0.090	0.220	0.081	0.060	0.500	0.410	0.490	V	U	V	V	V	0
28-Sep	06-Oct	8		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.00	0.00	0																		
27-Oct	03-Nov	7		0.75	0.68	1171	4.81	5.15	7.60	6.60	0.310	0.010	0.030	0.050	0.020	0.640	0.450	0.210	V	V	V	V	V	0
03-Nov	13-Nov	10		3.12	3.09	5320	5.11	5.44	4.10	3.10	0.210	0.030	0.060	0.020	0.020	0.210	0.130	0.120	V	V	V	V	V	0
13-Nov	18-Nov	5	Z	1.00	0.86	1484	4.95	5.44	7.20	7.20	0.610	0.050	0.080	0.080	0.040	1.300	0.130	0.290	V	V	V	V	V	0
18-Nov	30-Nov	12		2.85	2.76	4760	5.01	5.35	10.20	9.90	0.980	0.050	0.060	0.130	0.230	1.760	0.180	0.360	V	V	V	V	V	0
30-Nov	03-Dec	3		5.34	5.09	8779	5.11	5.55	5.60	5.00	0.450	0.020	0.060	0.060	0.010	0.870	0.100	0.190	V	V	V	V	V	0
03-Dec	07-Dec	4	Z	7.48	7.20	12408	4.98	5.52	9.00	9.40	1.050	0.040	0.070	0.130	0.010	1.890	0.100	0.310	V	V	S	V	V	1
07-Dec	16-Dec	9		7.00	6.57	11319	5.03	5.37	8.10	7.80	0.760	0.030	0.080	0.080	0.100	1.630	0.180	0.250	V	V	V	V	V	0
16-Dec	24-Dec	8		0.80	0.67	1151	4.90	5.21	11.10	10.60	1.070	0.040	0.020	0.120	0.040	2.000	0.160	0.410	V	V	V	V	V	0
24-Dec	29-Dec	5		1.25	1.12	1934	5.16	5.42	3.50	2.70	0.100	0.002	0.003	0.020	0.050	0.130	0.080	0.070	V	V	V	V	V	0
29-Dec	07-Jan	9		2.15	2.03	3498	5.00	5.32	6.50	6.10	0.540	0.010	0.003	0.060	0.090	0.850	0.160	0.200	V	V	V	V	V	0
07-Jan	11-Jan	4	Z	7.29	7.01	12092	4.88	5.35	12.70	12.10	1.250	0.040	0.120	0.160	0.130	2.330	0.090	0.410	V	V	V	V	V	0
11-Jan	19-Jan	8		5.74	5.90	10170	4.98	5.41	8.80	8.00	0.720	0.040	0.080	0.090	0.030	1.400	0.190	0.280	V	V	V	V	V	0
19-Jan	26-Jan	7	Z	0.05	0.03	47		4.93		7.20	0.210	0.020	0.190	0.020	0.030	0.300	0.320	0.320	V	U		V	V	0
26-Jan	04-Feb	9	Z	1.72	1.65	2848	5.07	5.39	3.50	2.90	0.110	0.004	0.010	0.009	0.010	0.120	0.110	0.100	V	V	V	V	V	0
04-Feb	09-Feb	5	Z	0.84	0.74	1275	4.74	5.17	5.90	4.30	0.130	0.007	0.040	0.010	0.130	0.130	0.440	0.230	V	V	V	L	L	0
09-Feb	16-Feb	7		0.03	0.01	22		5.07		4.90	0.220	0.050	.	0.050	0.040	0.460	0.560	0.310	S	U		M	M	1
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	Z	1.01	0.98	1691	5.10	5.51	3.50	2.70	0.120	0.010	0.220	0.020	0.020	0.090	0.110	0.100	V	V	V	V	V	0
01-Mar	08-Mar	7		1.03	0.96	1662	5.36	5.47	4.60	3.50	0.180	0.020	0.180	0.030	0.020	0.200	0.150	0.200	V	V	V	V	V	0
08-Mar	15-Mar	7	Z	1.16	1.13	1951		5.47	17.80	18.00	2.330	0.110	0.210	0.290	0.030	4.660	0.130	0.660	V	V		V	S	1
15-Mar	22-Mar	7	F	0.13	0.12	202		5.65		6.30	0.350	0.030	0.330	0.060	0.060	0.470	0.320	0.580	V	V		V	V	0
22-Mar	29-Mar	7		1.30	1.24	2146	4.94	5.50	12.90	12.60	1.370	0.060	0.130	0.190	0.020	2.870	0.080	0.440	V	V	S	V	V	1
29-Mar	05-Apr	7		1.36	1.24	2146	4.88	5.21	10.30	9.50	0.830	0.030	0.260	0.110	0.070	1.470	0.230	0.370	V	V	V	V	V	0
05-Apr	12-Apr	7		0.21	0.18	307	5.38	5.42	5.50	5.40	0.350	0.120	0.130	0.060	0.030	0.550	0.120	0.320	V	V	V	V	V	0
12-Apr	19-Apr	7	Z	0.52	0.48	835		5.12	6.10	4.80	0.090	0.010	0.220	0.020	0.030	0.070	0.330	0.250	V	V		V	V	0
19-Apr	26-Apr	7		1.55	1.47	2532	5.10	5.20	5.00	4.70	0.170	0.010	0.090	0.030	0.030	0.180	0.170	0.270	V	V	V	V	V	0
26-Apr	04-May	8		2.05	1.98	3418	4.98	5.21	11.50	11.00	0.970	0.040	0.110	0.120	0.030	1.770	0.140	0.580	V	V	V	V	V	0
04-May	11-May	7		0.71	0.65	1120	5.19	5.27	6.10	5.40	0.330	0.060	0.040	0.040	0.070	0.360	0.140	0.350	V	V	V	V	V	0
11-May	18-May	7		2.03	2.01	3461	5.26	5.32	6.10	5.60	0.390	0.010	0.050	0.050	0.060	0.520	0.160	0.240	V	V	V	V	V	0
18-May	24-May	6		0.00	0.00	0																		
24-May	31-May	7		1.38	1.32	2270	5.19	5.49	5.40	5.50	0.310	0.007	0.150	0.040	0.030	0.480	0.130	0.200	V	V	V	V	V	0
31-May	07-Jun	7		4.95	4.78	8243	5.46	5.43	3.50	3.40	0.040	0.002	0.160	0.020	0.010	0.130	0.100	0.090	V	V	V	V	V	0
07-Jun	14-Jun	7		1.15	1.09	1887	5.36	5.54	3.40	3.10	0.030	0.010	0.003	0.008	0.010	0.005	0.150	0.100	V	V	V	V	S	1
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	29-Jun	8		0.00	0.00	0																		
29-Jun	05-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LAKE ISABELLA

SITE NUMBER: 1500245

BASIN: SAN JOAQUIN VALLEY

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	LVS	VPD	EPD	IPD	CPD	SUSPECT
30-Jun	07-Jul	7		0.00	0																		
07-Jul	15-Jul	8		0.00	0																		
15-Jul	21-Jul	6		0.00	0																		
21-Jul	28-Jul	7		0.00	0																		
28-Jul	03-Aug	6		0.00	0																		
03-Aug	11-Aug	8		0.00	0																		
11-Aug	18-Aug	7		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7	F,G,Z	0.00	3		5.49		97.20									S	U				1
01-Sep	08-Sep	7		0.00	0																		
08-Sep	15-Sep	7		0.00	0																		
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.00	0																		
29-Sep	06-Oct	7		0.00	0																		
06-Oct	13-Oct	7		0.00	0																		
13-Oct	20-Oct	7		0.00	0																		
20-Oct	27-Oct	7		0.21	313	5.41	5.10	16.00	16.60	0.140	0.150	0.680	0.060	0.810	0.260	3.890	1.370	V	V	V	V	V	0
27-Oct	03-Nov	7	Z	0.45	625	5.38	5.30	5.40	5.40	0.010	0.003	0.080	0.010	0.230	0.130	1.220	0.230	V	V	V	L	L	0
03-Nov	10-Nov	7		0.65	1056	4.79	4.87	9.40	9.70	0.080	0.010	0.080	0.020	0.250	0.100	0.980	0.780	V	V	V	V	V	0
10-Nov	17-Nov	7		0.20	271	4.97	5.06	4.60	4.60	0.020	0.050	0.030	0.003	0.100	0.040	0.650	0.120	V	V	V	L	L	0
17-Nov	24-Nov	7		0.01	19		4.88		8.10	0.150	0.170	0.280	0.050	0.040	0.200	0.900	0.250	S	U		V	V	1
24-Nov	01-Dec	7		0.00	0																		
01-Dec	08-Dec	7		1.00	1621	5.10	5.09	4.70	4.90	0.050	0.002	0.060	0.010	0.040	0.080	0.630	0.140	V	V	V	L	L	0
08-Dec	15-Dec	7		0.00	0																		
15-Dec	22-Dec	7		0.00	2		6.42		12.70									S	U				1
22-Dec	29-Dec	7		0.10	205	5.08	5.72	10.50	8.90	0.370	0.280	0.220	0.020	0.430	0.260	1.570	0.410	V	V	S	S	V	2
29-Dec	05-Jan	7		1.05	1632	5.45	5.09	2.60	2.80	0.030	0.002	0.009	0.003	0.100	0.010	0.150	0.080	V	V	V	V	S	1
05-Jan	12-Jan	7		0.00	11		5.97		8.40	0.440	0.240	0.320	0.060	.	0.260	1.500	0.290	S	U		M	M	1
12-Jan	19-Jan	7		0.85	1340	5.18	5.34	3.30	2.80	0.050	0.010	0.040	0.008	0.080	0.030	0.230	0.130	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0																		
26-Jan	03-Feb	8		0.00	0																		
03-Feb	09-Feb	6		0.00	0																		
09-Feb	16-Feb	7		0.00	0																		
16-Feb	23-Feb	7		0.00	0																		
23-Feb	01-Mar	7	L	---	0.36	616	5.17	5.16	5.80	6.00	0.130	0.050	0.130	0.010	0.180	0.060	0.820	0.210	V	M	V	L	L	0
01-Mar	10-Mar	9		0.25	0.22	384	5.37	5.43	3.90	4.00	0.040	0.030	0.090	0.009	0.170	0.005	0.340	0.330	V	V	V	V	V	0
10-Mar	15-Mar	5		0.00	0.00	0																	
15-Mar	22-Mar	7		0.00	0.00	0																	
22-Mar	29-Mar	7		0.00	0.00	0																	
29-Mar	06-Apr	8		0.00	0.00	0																	
06-Apr	13-Apr	7		0.00	0.00	0																	
13-Apr	20-Apr	7		1.11	1.01	1746	4.97	4.84	5.90	6.30	0.030	0.010	0.270	0.020	0.030	0.005	0.700	0.260	V	V	V	S	S	2
20-Apr	26-Apr	6		0.26	0.21	361	4.98	5.08	11.60	11.70	0.120	0.030	0.160	0.020	0.620	0.120	1.630	1.160	V	V	V	V	V	0
26-Apr	04-May	8		0.00	0.00	0																	
04-May	10-May	6	Z	0.34	0.29	499	5.54	6.02	7.60	7.40	0.290	0.040	0.290	0.040	0.400	0.400	0.720	0.580	V	V	V	V	V	0
10-May	17-May	7		0.00	0.00	0																	
17-May	24-May	7		0.00	0.00	0																	
24-May	31-May	7		0.13	0.12	215	5.22	5.36	5.50	5.10	0.110	0.007	0.310	0.020	0.070	0.080	0.390	0.200	V	V	V	V	V	0
31-May	09-Jun	9		0.00	0.00	0																	
09-Jun	14-Jun	5		0.00	0.00	0																	
14-Jun	21-Jun	7		0.00	0.00	0																	
21-Jun	28-Jun	7		0.00	0.00	0																	
28-Jun	05-Jul	7		0.00	0.00	0																	

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LAKEPORT SITE NUMBER: 1700713 BASIN: LAKE COUNTY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
01-Jul	07-Jul	6		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.80	0.78	1340	4.65	4.58	19.70	19.40	0.020	0.030	0.060	0.020	0.660	0.120	3.380	0.780	V	V	V	L	L	0
27-Oct	03-Nov	7		0.95	0.91	1575	5.73	5.77	2.90	2.90	0.002	0.002	0.020	0.006	0.160	0.090	0.420	0.140	V	V	V	V	V	0
03-Nov	10-Nov	7	Z	0.30	0.32	545	5.82	5.75	3.40	3.40	0.050	0.030	0.010	0.010	0.240	0.090	0.360	0.160	V	V	V	L	L	0
10-Nov	17-Nov	7		1.96	1.89	3260	5.35	5.79	3.70	1.90	0.002	0.002	0.020	0.001	0.120	0.040	0.150	0.070	V	V	V	V	V	0
17-Nov	24-Nov	7	E	0.75	0.73	1260	5.60	5.75	6.30	3.20	0.010	0.070	0.060	0.050	0.140	0.040	0.340	0.160	V	V	V	V	V	0
24-Nov	01-Dec	7		1.20	1.23	2120	5.34	5.37	3.50	3.30	0.070	0.005	0.003	0.020	0.050	0.130	0.260	0.100	V	V	V	V	V	0
01-Dec	08-Dec	7		3.93	3.84	6620	5.98	5.92	4.50	4.70	0.330	0.010	0.050	0.040	0.160	0.620	0.170	0.180	V	V	V	V	V	0
08-Dec	15-Dec	7		0.92	0.85	1460	5.12	5.09	8.90	6.70	0.240	0.010	0.230	0.030	0.170	0.430	0.700	0.330	V	V	V	V	V	0
15-Dec	22-Dec	7		0.59	0.48	820	5.16	5.12	5.80	6.20	0.030	0.002	0.030	0.010	0.260	0.060	0.880	0.260	V	V	V	L	L	0
22-Dec	29-Dec	7		1.43	1.43	2460	5.36	5.49	4.80	4.90	0.210	0.002	0.020	0.030	0.250	0.310	0.480	0.180	V	V	V	V	V	0
29-Dec	05-Jan	7		3.84	3.89	6710	5.66	5.78	2.80	2.60	0.008	0.002	0.003	0.001	0.190	0.005	0.270	0.100	V	V	V	V	V	0
05-Jan	12-Jan	7		1.38	1.32	2280	4.98	5.02	10.90	11.00	0.720	0.040	0.040	0.090	0.120	1.420	0.480	0.410	V	V	V	V	V	0
12-Jan	19-Jan	7		1.56	1.53	2630	5.33	5.38	2.90	3.10	0.130	0.007	0.030	0.010	0.050	0.130	0.170	0.090	V	V	V	L	L	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7	E	0.56	0.50	870					.	.	.	.	.	.	.	.	V	V		M	M	0
02-Feb	10-Feb	8		0.00	0.00	0																		
10-Feb	16-Feb	6		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.50	0.49	840	5.67	5.92	6.00	6.60	0.070	0.020	0.130	0.030	0.570	0.070	0.960	0.340	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.01	0.01	25		5.93			0.250	.	0.420	0.060	0.360	.	1.320	0.370	S	U		M	M	1
22-Mar	29-Mar	7		0.04	0.02	30		6.40		9.70	0.690	0.340	0.600	0.200	0.090	0.850	0.570	0.320	S	U		S	V	2
29-Mar	05-Apr	7	E	0.03	0.02	40		5.97		3.80	0.130	0.080	0.100	0.011	0.060	0.140	0.010	0.080	V	U		L	L	0
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.89	0.87	1500	5.24	5.47	4.10	3.70	0.050	0.010	0.130	0.020	0.090	0.030	0.360	0.280	V	V	V	V	V	0
19-Apr	26-Apr	7		0.69	0.71	1225	5.29	5.39	6.20	5.70	0.270	0.010	0.360	0.040	0.070	0.370	0.330	0.340	V	V	V	V	V	0
26-Apr	03-May	7		0.18	0.17	295	5.17	5.33	10.30	5.70	0.320	0.020	0.330	0.050	0.040	0.450	0.190	0.360	V	V	V	L	L	0
03-May	10-May	7		0.69	0.65	1115	5.26	5.56	3.00	3.00	0.050	0.005	0.050	0.010	0.080	0.100	0.170	0.180	V	V	V	L	L	0
10-May	17-May	7		0.16	0.15	255	5.13	5.45	4.10	3.80	0.050	0.010	0.030	0.008	0.150	0.020	0.210	0.240	V	V	V	L	L	0
17-May	25-May	8		0.00	0.00	0																		
25-May	31-May	6		.	0.02	35		5.24		6.40	0.030	0.010	0.230	0.010	0.100	0.070	0.340	0.380	V	M		L	L	0
31-May	07-Jun	7		0.19	0.20	340	5.52	5.57	4.40	4.40	0.100	0.002	0.190	0.010	0.100	0.080	0.270	0.360	V	V	V	L	L	0
07-Jun	14-Jun	7		0.05	0.05	85		5.25		8.80	0.310	0.020	0.006	0.040	0.120	0.480	0.410	0.450	V	U		V	V	0
14-Jun	22-Jun	8		0.00	0.00	0																		
22-Jun	28-Jun	6		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LINDCOVE SITE NUMBER: 5400578 BASIN: SAN JOAQUIN VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	16-Jul	2		0.70	0.65	1120	4.45	5.44	33.30	22.80	0.110	0.170	0.460	0.060	1.990	0.230	3.700	2.520	V	V	S	V	V	1
16-Jul	21-Jul	5		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	21-Sep	6		0.00	0.00	0																		
21-Sep	29-Sep	8		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	14-Oct	8		0.00	0.00	0																		
14-Oct	20-Oct	6		0.00	0.00	0																		
20-Oct	27-Oct	7		0.28	0.31	540	6.04	5.61	15.90	16.00	0.100	0.090	0.240	0.030	1.680	0.280	3.340	0.310	V	V	V	S	V	1
27-Oct	03-Nov	7		0.45	0.49	840	6.34	5.40	24.60	25.60	0.060	0.050	0.070	0.020	3.380	0.240	5.430	1.070	V	V	S	S	V	2
03-Nov	10-Nov	7		0.24	0.27	460	4.70	4.89	12.90	14.60	0.080	0.040	0.130	0.020	0.760	0.220	2.610	1.110	V	V	V	V	V	0
10-Nov	17-Nov	7		0.21	0.21	360	5.53	5.47	8.20	7.90	0.030	0.040	0.030	0.006	0.910	0.160	1.850	0.360	V	V	V	V	V	0
17-Nov	24-Nov	7		0.45	0.43	740	5.60	5.55	6.50	6.00	0.002	0.010	0.250	0.010	0.560	0.030	1.080	0.410	V	V	V	L	L	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		0.55	0.53	910	5.53	5.76	11.90	11.90	0.400	0.050	0.410	0.050	0.770	0.670	1.980	0.840	V	V	V	V	V	0
08-Dec	15-Dec	7		0.09	0.03	54		5.30		35.20	0.350	0.140	0.860	0.250	3.250	0.670	5.530	1.540	V	S		S	V	2
15-Dec	22-Dec	7		0.00	0.00	0																		
22-Dec	29-Dec	7		0.54	0.53	920	5.51	5.44	5.80	6.50	0.100	0.070	0.120	0.010	0.500	0.160	0.970	0.250	V	V	V	L	L	0
29-Dec	05-Jan	7	L	1.60	1.61	2780	5.56	5.59	3.70	3.80	0.002	0.002	0.040	0.001	0.310	0.005	0.570	0.180	V	V	V	V	V	0
05-Jan	12-Jan	7	D	0.15	0.13	225	5.78		10.60		.	.	.	.	.	.	.	.	V	V		M	M	0
12-Jan	19-Jan	7		1.15	0.99	1710	5.28	5.95	4.20	4.20	0.030	0.002	0.070	0.010	0.360	0.060	0.430	0.260	V	V	S	L	L	1
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.00	0.00	0																		
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.49	0.41	700	5.87	5.63	5.70	4.50	0.060	0.020	0.130	0.010	0.380	0.040	0.680	0.290	V	V	V	L	L	0
01-Mar	08-Mar	7		1.70	1.66	2855	5.67	5.51	3.80	3.40	0.040	0.002	0.110	0.010	0.280	0.010	0.250	0.150	V	V	V	L	L	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.87	0.78	1340	5.33	5.58	10.60	9.90	0.070	0.007	0.380	0.030	0.860	0.090	1.620	0.910	V	V	V	S	V	1
19-Apr	26-Apr	7		2.20	2.02	3485	5.58	5.64	7.60	7.60	0.040	0.020	0.190	0.010	0.790	0.020	1.080	0.530	V	V	V	L	L	0
26-Apr	04-May	8		0.00	0.00	0																		
04-May	10-May	6	Z	0.24	0.21	365	5.60	5.61	8.30	7.70	0.150	0.080	0.100	0.010	0.650	0.170	0.800	0.480	V	V	V	L	L	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.20	0.19	325	6.08	5.74	24.40	24.10	0.430	0.290	1.340	0.170	1.660	0.410	2.340	1.850	V	V	V	S	V	1
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LYNWOOD SITE NUMBER: 7000084 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.06	0.06	97		4.35		70.60	1.070	0.220	2.300	0.510	3.020	1.360	14.360	6.920	V	V		V	V	0
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		.	0.01	13		5.08		57.70									S	M				1
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	Z	1.04	1.06	1825		4.89		7.50	0.080	0.004	0.080	0.020	0.180	0.230	0.500	0.670	V	V		V	V	0
27-Oct	03-Nov	7		1.41	1.40	2410		5.23		8.70	0.060	0.020	0.020	0.006	0.910	0.200	1.380	0.960	V	V		V	S	1
03-Nov	10-Nov	7	Z	1.08	1.06	1830		4.95		14.00	0.290	0.010	0.120	0.040	0.270	0.610	1.070	1.270	V	V		V	V	0
10-Nov	17-Nov	7		0.02	0.02	29		4.07		108.00	5.270	0.200	0.560	0.580	3.080	9.760	7.660	5.340	S	U		V	V	1
17-Nov	24-Nov	7		0.00	0.00	0																		
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	0.93	0.89	1536		5.10		7.60	0.480	0.030	0.230	0.060	0.160	0.930	0.440	0.550	V	V		V	S	1
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	Z	0.64	0.67	1160		5.50		10.60	0.500	0.120	0.500	0.060	0.670	0.900	0.630	1.180	V	V		S	V	1
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7	Z	0.22	0.23	395		4.80		26.70	1.900	0.110	0.380	0.250	0.570	3.850	1.070	2.220	V	V		V	V	0
05-Jan	12-Jan	7		0.19	0.18	318		5.56		9.80	0.050	0.002	0.100	0.010	0.820	0.090	0.880	1.350	V	V		L	L	0
12-Jan	19-Jan	7	Z	2.30	2.32	4000		5.03		18.70	1.680	0.100	0.090	0.230	0.290	4.100	0.220	0.870	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.79	0.77	1320		4.92		11.00	0.160	0.010	0.030	0.020	0.270	0.190	0.760	0.710	V	V		V	V	0
02-Feb	09-Feb	7	Z	0.04	0.04	70		5.91		6.50	0.050	0.006	0.020	0.001	0.580	0.010	0.360	0.710	V	U		V	V	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.50	0.51	880		5.49		15.20	1.280	0.050	0.420	0.140	0.450	2.010	0.880	1.320	V	V		V	V	0
01-Mar	08-Mar	7		0.13	0.12	204		5.26		22.00	1.550	0.060	0.840	0.210	0.310	2.480	1.390	2.070	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.67	0.68	1165		4.90		17.70	0.420	0.002	0.940	0.070	0.270	0.730	1.390	1.180	V	V		S	V	1
19-Apr	26-Apr	7		1.74	1.82	3135		4.78		14.30	0.340	0.010	0.220	0.050	0.240	0.520	0.480	1.360	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		.	0.00	5		4.67		82.20									S	M				1
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MAMMOTH SITE NUMBER: 2600784 BASIN: GRT. BASIN VALLEYS YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)							FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
30-Jun	08-Jul	8		0.00	0.00	0																		
08-Jul	17-Jul	9		0.00	0.00	0																		
17-Jul	21-Jul	4		0.00	0.00	0																		
21-Jul	30-Jul	9		0.00	0.00	0																		
30-Jul	04-Aug	5		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	01-Sep	14		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	22-Sep	14		0.00	0.00	0																		
22-Sep	06-Oct	14		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MONTAGUE SITE NUMBER: 4700870 BASIN: N.E. PLATEAU YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.15	0.12	207	4.38	4.57	12.80	15.00	0.080	0.050	0.200	0.050	0.110	0.150	1.530	0.830	V	V	V	V	V	0
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		1.00	1.00	1724	4.63	4.94	9.10	6.90	0.060	0.005	0.030	0.010	0.120	0.100	0.570	0.440	V	V	S	L	L	1
21-Jul	28-Jul	7	Z	0.25	0.24	407	4.98	5.02	6.40	.	0.030	.	0.030	0.010	0.220	.	0.740	0.460	V	V	V	M	M	0
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	B,G	0.00	0.00	0													M	M				0
27-Oct	03-Nov	7	B	0.12	.	.													M	M				0
03-Nov	10-Nov	7	B	0.25	.	.	5.58	5.61	2.40	2.30	0.002	0.005	0.060	0.020	0.140	0.020	0.270	0.050	V	V	V	L	L	0
10-Nov	17-Nov	7	B	0.35	0.28	477	5.07	5.24	4.10	3.50	0.002	0.002	0.010	0.005	0.120	0.040	0.420	0.140	V	V	V	V	V	0
17-Nov	24-Nov	7	B	0.25	0.24	411	5.96	6.04	4.20	4.40	0.100	0.070	0.280	0.070	0.140	0.210	0.010	0.220	M	M	V	L	L	0
24-Nov	01-Dec	7	B	0.15	---	---	5.03	5.55	2.30	2.40	0.004	0.020	0.040	0.004	0.060	0.030	0.180	0.080	V	V	S	V	V	1
01-Dec	08-Dec	7		1.95	1.87	3230	5.42	5.45	2.50	2.70	0.002	0.002	0.200	0.030	0.150	0.030	0.340	0.080	V	V	V	V	S	1
08-Dec	15-Dec	7		0.40	0.37	631	5.39	5.51	3.60	3.10	0.030	0.002	0.050	0.020	0.170	0.020	0.430	0.080	V	V	V	L	L	0
15-Dec	22-Dec	7		0.25	0.23	396		6.19		13.30	0.900	0.002	0.340	0.080	0.220	1.920	0.570	0.410	S	U		V	V	1
22-Dec	29-Dec	7		0.01	0.01	16	5.57	5.71	4.30	4.20	0.050	0.020	0.100	0.040	0.350	0.030	0.730	0.080	V	U	V	V	V	0
29-Dec	05-Jan	7		0.05	0.06	102	5.40	5.75	2.60	2.60	0.002	0.002	0.100	0.010	0.210	0.005	0.240	0.100	V	V	V	L	L	0
05-Jan	12-Jan	7		0.65	0.62	1065	5.39	5.35	2.80	2.80	0.009	0.006	0.030	0.004	0.090	0.005	0.270	0.080	V	V	V	V	V	0
12-Jan	19-Jan	7		1.25	1.24	2142																		
19-Jan	26-Jan	7		0.00	0.00	0	5.14	5.45	7.30	5.90	0.250	0.010	0.160	0.020	0.190	0.320	0.520	0.430	V	V	V	V	V	0
26-Jan	02-Feb	7		0.14	0.14	239																		
02-Feb	09-Feb	7		0.00	0.00	0		6.14		20.10	1.270	0.160	1.600	0.190	0.490	1.240	1.660	3.290	S	M		V	V	1
09-Feb	16-Feb	7		.	0.01	16																		
16-Feb	23-Feb	7		0.00	0.00	0	5.60	5.67	4.30	4.10	0.050	0.040	0.200	0.030	0.310	0.020	0.470	0.200	V	V	V	L	L	0
23-Feb	01-Mar	7		0.20	0.16	281		6.48		10.50	0.520	0.300	0.410	0.160	0.290	0.680	0.680	0.650	S	U		S	V	2
01-Mar	08-Mar	7		0.02	0.02	34		5.77		15.50	1.740	0.002	0.270	0.310	0.520	2.520	1.670	1.020	S	M		V	S	2
08-Mar	15-Mar	7		.	0.01	10		6.29		6.60	0.180	0.030	0.600	0.060	0.160	0.170	0.480	0.740	V	U		V	V	0
15-Mar	22-Mar	7		0.05	0.04	76																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0	5.69	5.74	5.00	4.60	0.020	0.010	0.120	0.020	0.270	0.010	0.650	0.340	V	V	V	L	L	0
12-Apr	19-Apr	7		0.48	0.42	729					.	.	.	.	.	.	.	.	V	V		M	M	0
19-Apr	26-Apr	7	E,Z	0.45	0.42	723		6.21		5.40	0.130	0.040	0.350	0.110	0.180	0.080	0.350	0.500	V	V		V	V	0
26-Apr	03-May	7		0.06	0.06	99	5.26	5.25	4.50	4.70	0.020	0.010	0.170	0.020	0.100	0.005	0.740	0.100	V	V	V	L	L	0
03-May	10-May	7		0.37	0.36	626	5.31	5.66	3.00	3.30	0.050	0.030	0.110	0.010	0.150	0.010	0.390	0.220	V	V	V	L	L	0
10-May	17-May	7		0.40	0.39	671																		
17-May	24-May	7		0.00	0.00	0	5.04	5.31	4.60	5.30	0.030	0.020	0.240	0.020	0.210	0.030	0.510	0.340	V	V	V	V	V	0
24-May	31-May	7		0.35	0.35	606	5.10	5.46	3.40	3.20	0.030	0.002	0.170	0.007	0.070	0.005	0.200	0.140	V	V	V	V	V	0
31-May	07-Jun	7		1.65	1.50	2581	5.57	5.57	5.80	6.30	0.010	0.002	0.070	0.020	0.320	0.010	0.700	0.240	V	V	V	V	V	0
07-Jun	14-Jun	7		0.10	0.09	149																		
14-Jun	21-Jun	7		0.00	0.00	0		4.75		18.80	0.080	0.050	0.690	0.130	0.120	0.210	1.790	0.690	S	U		S	V	2
21-Jun	28-Jun	7		0.02	0.02	26																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MT WILSON SITE NUMBER: 7000584 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.07	0.05	94		4.66		12.80	0.050	0.020	0.270	0.030	0.010	0.140	1.300	0.380	V	V		V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7	Z	0.55	0.59	1010		4.75		18.20	0.050	0.250	0.270	0.100	0.270	0.140	2.880	0.480	V	V		V	V	0
29-Sep	06-Oct	7		0.07	0.06	98		3.79		123.00	0.470	2.880	3.340	0.060	0.270	0.700	15.280	5.970	V	V		V	V	0
06-Oct	13-Oct	7		1.10	1.05	1805		5.50		6.00	0.020	0.020	0.060	0.010	0.270	0.110	0.610	0.480	V	V		L	L	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	Z	3.75	3.63	6265		5.10		3.90	0.020	0.002	0.010	0.001	0.090	0.130	0.430	0.200	V	V		L	L	0
27-Oct	03-Nov	7	L	---	7.33	12640		5.08		7.70	0.160	0.020	0.020	0.030	0.150	0.400	0.730	0.430	V	M		V	V	0
03-Nov	10-Nov	7	L,Z	1.81	1.85	3195		5.14		9.00	0.100	0.010	0.050	0.020	0.260	0.260	1.230	0.510	V	V		V	V	0
10-Nov	17-Nov	7		.	0.00	6		3.88		157.00									S	M				1
17-Nov	24-Nov	7		0.05	0.05	92		4.68		9.90	0.020	0.020	0.680	0.020	0.010	0.050	0.800	0.210	V	U		L	L	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	2.43	2.33	4010		5.11		3.50	0.020	0.005	0.110	0.005	0.160	0.050	0.440	0.130	V	V		L	L	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	L,B	.	.	.													M	M				0
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7		0.27	0.22	375		4.94		6.10	0.050	0.040	0.170	0.010	0.090	0.080	0.360	0.210	V	V		L	L	0
05-Jan	13-Jan	8		0.38	0.38	650		5.45		2.20	0.002	0.002	0.100	0.001	0.060	0.005	0.150	0.025	V	V		V	V	0
13-Jan	19-Jan	6	L,Z	3.62	3.69	6360		5.15		10.50	0.940	0.040	0.070	0.110	0.180	1.680	0.230	0.390	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7	L	.	0.44	755		5.24		5.30	0.100	0.008	0.003	0.010	0.110	0.090	0.540	0.180	V	M		L	L	0
02-Feb	09-Feb	7		0.04	0.03	57		5.92		3.20	0.002	0.020	0.110	0.020	0.050	0.150	0.270	0.070	V	U		V	V	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	L	---	6.18	10660		5.36		5.90	0.200	0.010	0.340	0.030	0.080	0.280	0.400	0.370	V	M		V	V	0
01-Mar	08-Mar	7		0.60	0.63	1080		5.48		5.80	0.170	0.002	0.340	0.030	0.140	0.220	0.690	0.300	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		2.06	2.08	3585		5.22		6.10	0.090	0.002	0.560	0.020	0.100	0.090	0.400	0.330	V	V		S	V	1
19-Apr	26-Apr	7	L,Z	.	5.33	9185		5.25		6.50	0.080	0.020	0.130	0.010	0.220	0.060	0.480	0.440	V	M		L	L	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7	Z	0.13	0.12	204		4.53		26.00	0.560	0.050	0.280	0.080	0.550	0.870	2.630	1.570	V	V		V	V	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7	L	---	0.10	180		4.47		28.30	0.380	0.070	2.070	0.060	0.500	0.680	2.850	1.570	V	M		S	V	1
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: NAPA SITE NUMBER: 2800783 BASIN: S.F. BAY AREA YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.75	0.76	1312	4.55	4.52	18.00	20.30	0.040	0.030	0.090	0.020	0.500	0.060	3.490	1.000	V	V	V	V	V	0
27-Oct	03-Nov	7		1.07	1.05	1807	4.76	4.79	9.80	11.00	0.020	0.002	0.009	0.010	0.220	0.150	1.530	0.530	V	V	V	L	L	0
03-Nov	10-Nov	7		0.17	0.18	306	4.93	4.90	9.40	10.10	0.190	0.010	0.050	0.040	0.240	0.450	1.300	0.560	V	V	V	V	V	0
10-Nov	17-Nov	7		1.85	1.83	3155	5.12	5.15	5.00	5.00	0.006	0.002	0.006	0.002	0.160	0.030	0.410	0.380	V	V	V	V	V	0
17-Nov	24-Nov	7		1.05	1.00	1725	5.26	5.28	7.10	7.20	0.490	0.020	0.020	0.060	0.170	0.980	0.340	0.400	V	V	V	V	V	0
24-Nov	01-Dec	7		1.51	1.50	2578	4.78	4.88	10.30	10.40	0.340	0.020	0.080	0.050	0.210	0.610	0.680	0.810	V	V	V	V	V	0
01-Dec	08-Dec	7		2.75	2.69	4639	5.28	5.43	10.30	10.40	0.920	0.060	0.130	0.110	0.140	1.810	0.430	0.670	V	V	V	V	V	0
08-Dec	15-Dec	7		0.75	0.70	1200	4.71	4.70	14.10	15.20	0.490	0.030	0.100	0.060	0.480	0.910	1.300	0.970	V	V	V	V	V	0
15-Dec	22-Dec	7	Z,E	0.82	0.78	1344					.	.	.	.	.	.	.	.	V	V		M	M	0
22-Dec	29-Dec	7		1.58	1.55	2668	5.10	5.35	7.60	7.40	0.420	0.017	0.050	0.050	0.310	0.670	0.500	0.420	V	V	V	V	V	0
29-Dec	05-Jan	7		1.78	1.75	3020	4.81	4.99	7.90	7.00	0.040	0.002	0.003	0.008	0.250	0.080	0.560	0.340	V	V	V	V	V	0
05-Jan	12-Jan	7		0.64	0.60	1037	4.72	4.73	14.90	15.30	0.410	0.040	0.010	0.050	0.400	0.650	1.110	1.130	V	V	V	V	V	0
12-Jan	19-Jan	7		1.89	1.81	3123	5.29	5.28	7.60	7.50	0.590	0.030	0.240	0.070	0.080	0.960	0.220	0.420	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7	Z	0.68	0.69	1197	4.67	4.87	8.30	8.30	0.070	0.002	0.020	0.008	0.050	0.060	0.760	0.420	V	V	S	V	V	1
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.44	0.48	834	5.21	5.32	7.30	7.70	0.150	0.020	0.270	0.030	0.490	0.170	1.220	0.540	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.05	0.01	22		5.14		10.40	0.620	0.150	0.710	0.120	0.150	0.930	1.090	0.560	S	U		S	S	3
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7	Z	1.58	1.51	2597	4.81	4.88	8.40	8.60	0.460	0.020	0.160	0.060	0.130	0.670	0.410	0.670	V	V	V	V	S	1
19-Apr	26-Apr	7		0.96	0.96	1658	5.04	5.04	12.70	13.50	0.910	0.040	0.280	0.120	0.250	1.540	0.680	1.010	V	V	V	V	V	0
26-Apr	03-May	7		0.16	0.16	274	4.63	4.84	9.20	10.20	0.140	0.006	0.130	0.030	0.150	0.120	0.820	0.790	V	V	S	V	V	1
03-May	10-May	7		0.66	0.68	1167	4.59	4.67	14.00	15.50	0.260	0.010	0.060	0.040	0.270	0.370	1.140	1.120	V	V	V	V	V	0
10-May	17-May	7		0.10	0.10	178	5.30	5.43	4.70	4.80	0.090	0.020	0.120	0.020	0.190	0.070	0.530	0.280	V	V	V	V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.04	0.03	57		5.76		13.00	0.330	0.030	0.240	0.040	0.120	0.500	0.680	0.980	V	U		V	S	1
31-May	07-Jun	7		0.19	0.17	288	4.63	5.00	8.40	8.70	0.210	0.002	0.360	0.030	0.140	0.300	0.730	0.370	V	V	S	V	V	1
07-Jun	14-Jun	7		0.07	0.07	119	5.78	5.41	8.70	8.50	0.460	0.010	0.090	0.050	0.540	0.660	0.400	0.430	V	V	V	V	V	0
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: NIPOMO

SITE NUMBER: 4000834

BASIN: S.CENTRAL COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.55	0.56	960	5.30	5.53	6.50	6.50	0.120	0.020	0.060	0.020	0.270	0.270	1.080	0.570	V	V	V	V	V	0
27-Oct	03-Nov	7		1.00	0.99	1710	4.85	4.94	8.20	8.40	0.080	0.002	0.010	0.020	0.180	0.200	1.030	0.460	V	V	V	V	V	0
03-Nov	10-Nov	7	L	---	0.42	725	4.57	4.63	16.60	16.70	0.210	0.020	0.070	0.040	0.490	0.370	2.570	0.740	V	M	V	V	V	0
10-Nov	17-Nov	7		0.10	0.10	170	4.87	4.97	10.90	9.00	0.150	0.020	0.040	0.020	0.280	0.270	0.410	0.980	V	V	V	V	V	0
17-Nov	24-Nov	7		0.24	0.29	500	5.89	6.03	3.90	3.80	0.040	0.008	0.009	0.005	0.390	0.070	0.460	0.260	V	V	V	V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		1.05	1.06	1820	5.50	5.62	4.10	4.10	0.210	0.020	0.080	0.030	0.110	0.400	0.310	0.220	V	V	V	V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		0.30	0.27	470	5.50	5.89	5.60	5.90	0.210	0.080	0.230	0.070	0.070	0.460	0.410	0.430	V	V	V	V	V	0
22-Dec	28-Dec	6		0.76	0.78	1340	5.59	5.33	3.40	3.70	0.130	0.002	0.060	0.020	0.190	0.140	0.160	0.140	V	V	V	V	V	0
28-Dec	05-Jan	8		1.40	1.41	2430	5.16	5.21	7.50	7.80	0.610	0.007	0.100	0.080	0.260	0.950	0.260	0.390	V	V	V	V	V	0
05-Jan	12-Jan	7		0.00	0.00	0																		
12-Jan	19-Jan	7		1.23	1.20	2064	5.53	5.74	25.30	26.00	3.280	0.160	0.190	0.410	0.100	6.930	0.110	0.940	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.00	0.00	0																		
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		2.45	2.53	4360	5.54	5.56	3.90	4.10	0.270	0.010	0.260	0.040	0.070	0.340	0.220	0.190	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0.02	30		5.64		14.40	1.440	0.120	0.200	0.170	0.350	2.250	0.600	0.490	S	U		V	V	1
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.45	0.46	790	5.34	5.45	7.70	7.50	0.480	0.020	0.180	0.070	0.170	0.780	0.340	0.570	V	V	V	V	V	0
19-Apr	26-Apr	7	L	2.13	2.20	3800	5.33	5.51	5.70	5.60	0.350	0.010	0.160	0.050	0.080	0.540	0.170	0.390	V	V	V	V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.05	0.05	92		5.49		14.50	1.110	0.090	0.200	0.120	0.520	1.960	0.650	1.180	V	U		V	V	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.07	0.07	115	5.10	5.66	6.20	5.90	0.240	0.020	0.280	0.050	0.080	0.360	0.180	0.420	V	V	S	V	V	1
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		.	0.03	54		4.76		25.70	0.220	0.080	0.770	0.090	1.300	0.380	2.650	2.390	V	M		S	V	1
21-Jun	28-Jun	7		0.00	0.00	8		4.69		44.90									S	U				1
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: PASADENA SITE NUMBER: 7000088 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.14	0.12	211	4.20		44.70		0.180	0.050	0.520	0.060	1.300	0.340	6.270	2.770	V	V		V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7	Z	0.04	0.05	83	4.93		30.00		0.350	0.130	0.790	0.120	1.970	0.510	7.350	2.210	V	U		V	V	0
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.08	0.07	115	4.77		39.60		0.520	0.070	0.680	0.100	2.400	0.550	6.140	4.780	V	V		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	Z	2.13	2.00	3455	5.15		4.60		0.060	0.004	0.140	0.020	0.170	0.190	0.440	0.450	V	V		V	S	1
27-Oct	03-Nov	7		2.24	2.23	3850	5.08		7.70		0.100	0.020	0.060	0.020	0.390	0.260	1.170	0.600	V	V		V	V	0
03-Nov	10-Nov	7		1.27	1.26	2180	4.87		16.30		0.220	0.030	0.190	0.050	0.460	0.430	2.340	1.020	V	V		V	V	0
10-Nov	17-Nov	7	Z	0.13	0.12	210	3.90		94.20		1.470	0.100	0.280	0.230	2.580	2.240	13.000	5.010	V	V		V	V	0
17-Nov	24-Nov	7		0.00	0.01	25	4.23		45.80		0.370	0.160	1.970	0.130	1.140	0.480	7.070	1.900	S	U		S	V	2
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	1.54	1.53	2640	5.31		9.50		0.160	0.010	0.140	0.020	0.780	0.280	1.850	0.530	V	V		V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	Z	0.70	0.66	1138	5.48		5.80		0.120	0.030	0.320	0.020	0.270	0.180	0.550	0.490	V	V		V	V	0
22-Dec	29-Dec	7		0.00	0.00	0																		
29-Dec	05-Jan	7		0.22	0.21	355	4.93		25.20		0.920	0.050	0.350	0.130	1.680	1.780	3.330	2.580	V	V		V	V	0
05-Jan	12-Jan	7	Z	0.12	0.11	195	5.17		18.60		0.050	0.003	0.170	0.010	2.020	0.400	1.110	1.460	V	V		L	L	0
12-Jan	19-Jan	7	Z	2.47	2.38	4100	5.07		22.30		1.900	0.090	0.130	0.300	0.260	5.450	0.350	0.940	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.73	0.70	1205	4.84		13.60		0.290	0.020	0.040	0.030	0.400	0.320	1.470	0.670	V	V		V	V	0
02-Feb	09-Feb	7		0.07	0.07	116	5.40		5.20		0.040	0.010	0.140	0.008	0.090	0.040	0.320	0.560	V	V		V	V	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		2.17	1.97	3390	5.39		11.90		0.600	0.030	0.220	0.080	0.450	0.940	0.960	1.120	V	V		V	V	0
01-Mar	08-Mar	7		0.16	0.18	305	5.57		8.90		0.330	0.010	0.320	0.060	0.260	0.510	1.360	0.530	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7	Z	0.66	0.65	1115	5.67		10.50		0.310	0.005	0.700	0.060	0.350	0.530	1.000	1.060	V	V		V	V	0
19-Apr	26-Apr	7		1.85	1.86	3200	5.04		13.40		0.210	0.020	0.180	0.040	0.350	0.260	0.840	1.340	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7	Z	0.01	0.01	15	5.18		57.80										S	U				1
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.03	0.02	40	4.16		52.40		1.020	0.110	0.860	0.030	0.720	1.770	4.580	2.870	V	U		V	V	0
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: QUINCY HOSP

SITE NUMBER: 3200816

BASIN: MOUNTAIN COUNTIES

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7	Z,J	0.30	0.28	479	5.01	5.08	15.00	12.90	0.480	0.080	0.280	0.090	0.460	0.750	1.650	0.800	V	V	V	V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	05-Sep	11		0.00	0.00	0																		
05-Sep	08-Sep	3		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
07-Oct	14-Oct	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: RESEDA SITE NUMBER: 7000074 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.03	0.02	37		3.87		81.50	0.140	0.030	1.010	0.100	1.240	0.480	9.280	4.690	V	U		V	V	0
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.08	0.07	120		5.11		15.80	0.100	0.040	0.350	0.040	1.270	0.180	1.810	1.600	V	V		S	V	1
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		1.89	1.87	3230		5.19		5.80	0.020	0.010	0.060	0.010	0.170	0.120	0.460	0.510	V	V		L	L	0
27-Oct	03-Nov	7	L	3.67	3.56	6140		4.88		6.40	0.020	0.010	0.001	0.007	0.160	0.140	0.860	0.260	V	V		L	L	0
03-Nov	10-Nov	7	Z	1.10	1.13	1955		4.70		25.40	0.220	0.020	0.130	0.040	0.920	0.440	3.850	1.500	V	V		V	V	0
10-Nov	17-Nov	7		0.00	0.02	34		4.46		33.20	1.000	0.070	0.950	0.220	0.600	1.660	6.540	1.270	S	U		V	V	1
17-Nov	24-Nov	7	L	.	0.10	164		4.55		26.50	0.120	0.020	1.190	0.040	0.380	0.150	4.230	1.030	V	M		V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	L	1.35	1.39	2400		5.29		16.60	0.280	0.030	0.620	0.050	0.690	0.470	2.480	1.100	V	V		V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		1.45	1.39	2400		5.55		6.20	0.180	0.030	0.200	0.030	0.090	0.300	0.520	0.500	V	V		V	V	0
22-Dec	29-Dec	7	L,Z	.	0.24	420		4.54		34.20	0.700	0.060	0.180	0.090	1.010	1.220	3.670	1.920	V	M		V	V	0
29-Dec	05-Jan	7	L	.	0.32	560		4.86		16.90	0.400	0.020	0.290	0.050	0.490	0.730	1.190	1.340	V	M		V	V	0
05-Jan	12-Jan	7	L	0.18	0.18	308		5.44		16.70	0.320	0.002	0.730	0.020	1.260	0.240	1.240	1.740	V	V		S	V	1
12-Jan	19-Jan	7	Z	2.10	1.85	3195		5.62		15.70	1.510	0.070	0.130	0.190	0.210	3.100	0.330	0.680	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.52	0.49	845		4.73		10.60	0.030	0.010	0.006	0.010	0.170	0.020	1.010	0.410	V	V		L	L	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	Z	2.22	2.16	3730		4.98		11.20	0.490	0.030	0.220	0.060	0.200	0.750	0.560	0.880	V	V		V	V	0
01-Mar	08-Mar	7	L	.	0.02	42		5.76		25.80	1.230	0.050	2.360	0.210	0.580	2.080	2.620	1.680	V	M		S	V	1
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7	L	0.47	0.50	855		5.22		11.30	0.250	0.003	0.660	0.060	0.200	0.440	0.700	1.240	V	V		V	V	0
19-Apr	26-Apr	7	L	1.60	1.64	2825		4.98		9.60	0.140	0.020	0.240	0.030	0.240	0.160	0.810	0.580	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7	L	.	0.00	3		3.45											S	M				1
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SACRAMENTO P SITE NUMBER: 3400282 BASIN: SACRAMENTO VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.06	0.05	81		4.17		49.10	0.250	0.160	0.570	0.090	1.500	0.520	5.280	4.160	V	V		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.92	0.94	1627		5.03		10.80	0.020	0.020	0.070	0.010	0.710	0.110	2.200	0.580	V	V		L	L	0
27-Oct	03-Nov	7		0.43	0.40	691		4.73		14.90	0.010	0.030	0.090	0.020	0.680	0.140	2.920	0.650	V	V		V	V	0
03-Nov	10-Nov	7		0.20	0.19	330		4.97		12.40	0.090	0.007	0.080	0.020	0.840	0.220	2.380	0.740	V	V		V	V	0
10-Nov	17-Nov	7		1.42	1.41	2430		5.78		6.20	0.008	0.010	0.003	0.003	0.540	0.030	1.000	0.300	V	V		V	V	0
17-Nov	24-Nov	7		0.51	0.49	844		5.40		6.80	0.050	0.008	0.030	0.007	0.540	0.090	1.060	0.540	V	V		V	V	0
24-Nov	01-Dec	7		0.99	0.99	1700		5.83		5.70	0.090	0.010	0.060	0.010	0.520	0.140	0.540	0.350	V	V		L	L	0
01-Dec	08-Dec	7		1.44	1.35	2330		6.20		7.30	0.310	0.030	0.090	0.040	0.530	0.640	0.520	0.400	V	V		V	V	0
08-Dec	15-Dec	7		0.00	0.00	3		6.06		76.50									S	U				1
15-Dec	22-Dec	7		1.07	1.03	1775		6.03		8.90	0.060	0.030	0.260	0.010	0.890	0.070	1.480	0.680	V	V		L	L	0
22-Dec	29-Dec	7		0.84	0.79	1368		5.68		5.50	0.200	0.002	0.040	0.020	0.410	0.230	0.490	0.310	V	V		V	V	0
29-Dec	05-Jan	7		1.11	1.01	1742		5.10		7.40	0.002	0.002	0.033	0.001	0.560	0.030	0.700	0.440	V	V		S	V	1
05-Jan	12-Jan	7		0.09	0.08	137		6.46		25.30	0.320	0.020	0.160	0.050	3.000	0.470	3.280	1.390	V	V		S	V	1
12-Jan	19-Jan	7		2.14	2.10	3615		5.70		3.10	0.120	0.020	0.080	0.010	0.100	0.140	0.190	0.140	V	V		L	L	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.12	0.11	196		4.64		21.30	0.210	0.060	0.200	0.040	0.850	0.280	3.180	0.980	V	V		V	V	0
02-Feb	16-Feb	14		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.72	0.67	1159		6.05		9.70	0.100	0.050	0.140	0.020	0.910	0.100	1.390	0.660	V	V		S	V	1
01-Mar	08-Mar	7		0.30	0.30	524		6.43		6.60	0.180	0.040	0.380	0.040	0.350	0.180	0.470	0.490	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	3		5.56		53.00									S	U				1
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	20-Apr	8		1.21	1.15	1980		5.39		7.20	0.100	0.002	0.130	0.020	0.500	0.100	0.880	0.610	V	V		V	V	0
20-Apr	26-Apr	6		0.40	0.41	699		5.75		9.20	0.170	0.010	0.240	0.040	0.610	0.230	1.150	0.920	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.45	0.39	679		6.01		8.10	0.070	0.002	0.080	0.010	0.710	0.060	0.950	0.540	V	V		L	L	0
10-May	18-May	8		0.24	0.23	396		5.90		5.00	0.060	0.002	0.140	0.010	0.310	0.030	0.450	0.400	V	V		L	L	0
18-May	25-May	7		0.00	0.00	0																		
25-May	31-May	6		0.00	0.00	0																		
31-May	07-Jun	7		0.20	0.18	310	4.99	5.15	11.60	9.90	0.260	0.030	0.420	0.040	0.390	0.410	1.260	0.600	V	V	V	S	V	1
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	28-Jun	14		0.02	0.02	40		4.46		52.70	0.820	0.160	0.250	0.030	0.830	1.540	3.850	5.680	V	U		S	V	1
28-Jun	06-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SALINAS SITE NUMBER: 2700544 BASIN: N.CENTRAL COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		.	0.00	5		5.09		14.60									S	M				1
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		.	0.00	6		5.34		43.00	3.680	0.230	0.680	0.390	2.450	1.190	1.320	0.450	S	M		S	V	2
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	12-Oct	6		.	0.01	11		5.48		15.60	1.020	0.150	0.600	0.190	0.150	1.450	1.840	0.760	S	M		V	V	1
12-Oct	20-Oct	8		0.00	0.00	0																		
20-Oct	27-Oct	7		0.15	0.14	243	5.91	5.87	6.60	6.00	0.340	0.360	0.130	0.060	0.200	0.670	0.460	0.280	V	V	V	V	V	0
27-Oct	03-Nov	7		0.56	0.51	878	5.68	5.85	6.10	6.60	0.130	0.030	0.050	0.030	0.470	0.300	1.120	0.320	V	V	V	V	V	0
03-Nov	12-Nov	9		0.00	0.00	0																		
12-Nov	18-Nov	6		0.85	0.82	1412	5.63	5.99	5.00	5.10	0.130	0.010	0.030	0.020	0.460	0.230	0.500	0.330	V	V	V	V	V	0
18-Nov	24-Nov	6		0.55	0.54	925	5.36	5.40	8.80	9.00	0.820	0.040	0.007	0.100	0.160	1.420	0.370	0.420	V	V	V	V	V	0
24-Nov	01-Dec	7	Z	0.10	0.10	180	6.03	6.46	11.30	11.20	0.400	0.060	0.380	0.060	0.650	0.710	0.850	0.860	V	V	V	V	V	0
01-Dec	09-Dec	8		0.85	0.98	1688	5.61	6.09	10.20	10.50	1.020	0.050	0.120	0.130	0.280	2.020	0.220	0.470	V	V	V	V	V	0
09-Dec	15-Dec	6		0.10	0.08	140	5.19	5.14	18.40	19.10	1.600	0.080	0.260	0.220	0.450	2.830	1.860	0.850	V	V	V	V	V	0
15-Dec	22-Dec	7	L	.	0.18	303	5.02	4.92	17.50	17.90	0.710	0.050	0.150	0.110	0.830	0.920	2.460	0.870	V	M	V	V	V	0
22-Dec	30-Dec	8		1.13	1.19	2060	5.18	5.42	8.70	8.30	0.650	0.020	0.060	0.080	0.200	1.070	0.220	0.480	V	V	V	V	V	0
30-Dec	05-Jan	6		0.07	0.07	128	5.03	5.18	8.80	9.00	0.006	0.002	0.170	0.040	0.700	0.180	1.080	0.610	V	V	V	V	V	0
05-Jan	12-Jan	7		0.09	0.09	148	5.29	5.59	23.00	23.40	2.140	0.130	0.150	0.320	0.380	5.400	0.700	0.920	V	V	V	V	V	0
12-Jan	19-Jan	7		0.70	0.71	1220	5.47	5.47	5.70	5.60	0.410	0.020	0.100	0.060	0.180	0.730	0.240	0.410	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		.	0.01	16		4.84		37.90	0.440	0.040	0.060	0.060	2.240	0.840	0.580	0.260	S	M		S	S	3
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	E	1.22	1.28	2202	5.39	5.50	4.80	4.70	0.150	0.010	0.050	0.030	0.280	0.150	0.570	0.290	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.67	0.71	1220	5.12	5.09	9.20	8.30	0.390	0.020	0.190	0.080	0.290	0.560	0.710	0.720	V	V	V	V	V	0
19-Apr	26-Apr	7	Z	0.74	0.79	1364	5.44	5.92		5.70	0.250	0.020	0.340	0.050	0.240	0.360	0.260	0.510	V	V	V	V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.29	0.30	520	5.13	5.42	14.20	13.90	1.270	0.040	0.210	0.150	0.380	2.200	0.440	0.990	V	V	V	V	V	0
10-May	17-May	7		0.05	0.05	90		5.54		6.30	0.250	0.020	0.190	0.050	0.240	0.340	0.660	0.300	V	U		V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.04	0.03	59		5.55		7.00	0.400	0.003	0.200	0.040	0.240	0.600	0.350	0.340	V	U		V	V	0
31-May	07-Jun	7		0.02	0.02	34		5.07		33.00	2.500	0.050	1.550	0.370	0.330	5.620	0.140	1.750	S	U		V	V	1
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.06	0.05	92		4.31		49.80	1.160	0.110	0.850	0.210	1.140	2.250	4.140	4.090	V	V		V	V	0
21-Jun	28-Jun	7		0.10	0.12	202	4.28	4.44	40.50	44.90	1.520	0.050	0.460	0.300	0.820	4.650	2.420	2.920	V	V	V	V	V	0
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN BERNARDINO SITE NUMBER: 3600194 BASIN: SOUTH COAST YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		.	.	.																		
07-Jul	14-Jul	7		.	.	.													M	M				0
14-Jul	21-Jul	7		0.09	0.09	152		5.48		51.60	0.610	0.330	4.010	0.280	0.250	1.180	8.450	3.890	M	M				0
21-Jul	28-Jul	7		0.00	0.00	0													V	V		V	V	0
28-Jul	04-Aug	7		.	.	.																		
04-Aug	11-Aug	7		.	.	.													M	M				0
11-Aug	18-Aug	7		0.00	0.00	0													M	M				0
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7	Z,L	0.60	0.55	945		5.47		8.50	0.050	0.040	0.340	0.030	0.620	0.250	1.320	0.410	V	V		V	V	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		1.55	1.47	2540		5.36		14.50	0.300	0.050	0.790	0.140	0.970	0.320	1.600	1.090	V	V		S	V	1
27-Oct	03-Nov	7		1.82	1.68	2900		5.43		13.50	0.320	0.040	0.170	0.050	1.220	0.730	1.240	0.640	V	V		S	V	1
03-Nov	10-Nov	7	Z	1.42	1.51	2600		5.16		10.00	0.090	0.020	0.110	0.020	0.880	0.270	2.180	0.790	V	V		V	S	1
10-Nov	17-Nov	7		0.02	0.02	33		3.84		96.00	0.700	0.140	0.830	0.160	1.960	0.490	15.380	2.980	S	U		V	V	1
17-Nov	24-Nov	7		0.06	0.06	110		4.60		20.60	0.140	0.002	0.670	0.050	1.010	0.170	4.700	1.100	V	V		V	S	1
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	Z	0.47	0.46	800		5.85		9.30	0.240	0.040	0.240	0.040	0.720	0.450	0.790	0.380	V	V		S	V	1
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		0.70	0.60	1033		5.56		3.90	0.020	0.004	0.160	0.003	0.090	0.060	0.350	0.370	V	V		L	L	0
22-Dec	29-Dec	7	L	.	0.19	326		4.50		57.80	0.590	0.050	1.590	0.100	2.140	1.220	10.320	2.600	V	M		V	V	0
29-Dec	05-Jan	7		0.30	0.30	520		5.20		23.00	1.000	0.070	0.440	0.130	1.530	2.040	1.550	2.180	V	V		V	V	0
05-Jan	12-Jan	7	Z	0.25	0.25	435		5.47		5.90	0.002	0.002	0.060	0.003	0.680	0.020	0.380	0.420	V	V		L	L	0
12-Jan	19-Jan	7		1.13	1.10	1890		5.30		12.70	1.220	0.040	0.140	0.120	0.470	2.180	0.300	0.540	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.50	0.50	870		5.18		7.10	0.150	0.020	0.120	0.020	0.230	0.160	0.830	0.300	V	V		V	V	0
02-Feb	09-Feb	7		0.08	0.08	132		5.73		3.60	0.002	0.008	0.060	0.002	0.220	0.050	0.290	0.290	V	V		V	V	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	D	0.48	.	.																		
01-Mar	08-Mar	7		0.23	0.25	430		5.81		21.30	0.720	0.040	0.940	0.120	1.160	1.270	2.810	2.100	M	M				0
08-Mar	15-Mar	7		0.00	0.00	0													V	V		V	V	0
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7	Z	1.00	0.96	1650		5.85		17.60	0.410	0.020	0.380	0.060	1.310	0.640	2.710	1.410	V	V		V	V	0
19-Apr	26-Apr	7		1.41	1.45	2500		5.71		7.20	0.130	0.030	0.330	0.030	0.590	0.120	0.900	0.630	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7	Z	0.02	0.01	12		5.98		221.00									S	U				1
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	1		4.89																
31-May	07-Jun	7		0.00	0.00	0													S	U				1
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7	Z	0.02	0.01	25		5.01		80.80														
21-Jun	28-Jun	7		0.00	0.00	0													S	U				1
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN JOSE SITE NUMBER: 4300382 BASIN: S.F. BAY AREA YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
30-Jun	07-Jul	7		0.00	0																		
07-Jul	14-Jul	7		0.00	0																		
14-Jul	21-Jul	7		0.00	0																		
21-Jul	28-Jul	7		0.00	0																		
28-Jul	04-Aug	7		0.00	0																		
04-Aug	11-Aug	7		0.00	0																		
11-Aug	18-Aug	7		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7		0.00	0																		
01-Sep	08-Sep	7		0.00	0																		
08-Sep	15-Sep	7		0.00	0																		
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.00	0																		
29-Sep	06-Oct	7		0.00	0																		
06-Oct	13-Oct	7		0.00	0																		
13-Oct	20-Oct	7		0.00	0		5.50	5.00	3.90	0.040	0.004	0.110	0.020	0.120	0.140	0.400	0.260	V	V		V	V	0
20-Oct	27-Oct	7	Z	0.26	436	5.54	5.46	6.90	7.40	0.180	0.020	0.110	0.060	0.410	0.390	1.120	0.510	V	V	V	V	V	0
27-Oct	03-Nov	7		0.66	1099		5.25		10.60	0.080	0.002	0.520	0.050	0.420	0.190	1.190	1.330	V	V		V	V	0
03-Nov	10-Nov	7		0.06	97																		
10-Nov	17-Nov	7		0.54	955	5.22	5.30	5.00	4.70	0.007	0.002	0.060	0.008	0.230	0.030	0.530	0.360	V	V	V	V	V	0
17-Nov	24-Nov	7		0.46	800	6.07	5.83	4.80	4.80	0.040	0.010	0.300	0.020	0.290	0.080	0.470	0.440	V	V	V	V	V	0
24-Nov	01-Dec	7		0.22	310	5.50	5.56	6.30	6.50	0.200	0.010	0.070	0.030	0.260	0.400	0.440	0.540	V	V	V	V	V	0
01-Dec	08-Dec	7		1.16	1940	5.66	5.68	8.70	9.10	0.900	0.040	0.090	0.110	0.120	1.590	0.190	0.440	V	V	V	V	V	0
08-Dec	15-Dec	7		0.00	0																		
15-Dec	22-Dec	7		0.16	200	5.47	5.22	15.30	16.30	0.300	0.030	0.590	0.060	0.470	0.360	2.490	1.800	V	V	V	V	V	0
22-Dec	29-Dec	7		0.85	1397	5.22	5.30	11.30	11.10	0.990	0.020	0.070	0.120	0.210	2.000	0.270	0.600	V	V	V	V	V	0
29-Dec	05-Jan	7		0.40	620	5.10	5.40	8.80	7.00	0.080	0.002	0.080	0.020	0.630	0.090	0.590	0.590	V	V	V	S	V	1
05-Jan	12-Jan	7		0.06	97		5.65		17.40	1.120	0.050	0.040	0.140	1.100	1.960	1.010	0.840	V	V		S	V	1
12-Jan	19-Jan	7		1.50	2572	5.46	5.57	3.80	3.30	0.160	0.002	0.009	0.020	0.080	0.180	0.120	0.120	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0																		
26-Jan	02-Feb	7		0.14	233	5.39	5.67	11.20	10.20	0.270	0.020	0.550	0.040	0.750	0.390	1.170	0.740	V	V	V	S	V	1
02-Feb	09-Feb	7		0.00	0																		
09-Feb	16-Feb	7		0.00	0																		
16-Feb	23-Feb	7		0.00	0																		
23-Feb	01-Mar	7		1.21	1998	5.47	5.61	8.20	7.50	0.130	0.020	0.170	0.030	0.490	0.130	1.150	0.530	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0																		
08-Mar	15-Mar	7		0.00	0																		
15-Mar	22-Mar	7		0.00	0																		
22-Mar	29-Mar	7		0.00	0																		
29-Mar	05-Apr	7		0.00	0																		
05-Apr	12-Apr	7		0.00	0																		
12-Apr	19-Apr	7		0.36	600	5.38	5.43	8.50	8.50	0.210	0.020	0.510	0.050	0.330	0.230	1.030	0.840	V	V	V	S	V	1
19-Apr	26-Apr	7		2.00	3403	5.57	5.59	9.60	9.90	0.640	0.040	0.420	0.100	0.320	1.110	0.540	0.780	V	V	V	V	V	0
26-Apr	03-May	7		0.00	0																		
03-May	10-May	7		0.36	596	5.39	5.71	13.90	13.30	0.810	0.040	0.600	0.120	0.520	1.570	0.870	0.980	V	V	V	V	V	0
10-May	17-May	7		0.13	189	4.98	5.45	12.50	10.10	0.070	0.004	0.250	0.040	0.720	0.090	1.460	0.780	V	V	V	S	V	1
17-May	24-May	7		0.00	0																		
24-May	31-May	7		0.03	52		5.31		4.80	0.170	0.040	0.350	0.020	0.070	0.080	0.110	0.110	V	U		S	V	1
31-May	07-Jun	7		0.00	8		5.30		21.10									S	U				1
07-Jun	14-Jun	7		0.00	0																		
14-Jun	21-Jun	7		0.00	0																		
21-Jun	28-Jun	7		0.00	0																		
28-Jun	05-Jul	7		0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN NICOLAS ISL

SITE NUMBER: 5600432

BASIN: S.CENTRAL COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	15-Jul	8		.	0.01	10		4.26		240.00														
15-Jul	21-Jul	6		0.02	0.02	32		4.84		70.30	6.440	0.960	4.200	0.880	.	.	.	.	S	M				1
21-Jul	28-Jul	7		0.00	0.00	0													S	U		M	M	1
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	30-Sep	8		0.00	0.00	0																		
30-Sep	06-Oct	6		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		2.22	1.97	3400		5.65		3.10	0.140	0.003	0.020	0.020	0.020	0.320	0.120	0.150	V	V		V	V	0
27-Oct	03-Nov	7	L,Z	.	0.82	1410		5.04		11.90	0.590	0.040	0.050	0.070	0.050	1.170	1.040	0.410	V	M		V	V	0
03-Nov	10-Nov	7		0.02	0.02	41		4.84		23.20	1.820	0.050	0.490	0.240	0.020	3.560	0.740	0.810	V	U		V	V	0
10-Nov	17-Nov	7		0.00	0.00	0																		
17-Nov	24-Nov	7		0.03	0.03	44		4.87		29.30	2.270	0.002	1.070	0.290	0.010	4.600	2.440	1.200	V	U		V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7	L	0.73	0.70	1210		5.65		10.40	1.160	0.040	0.220	0.140	0.090	2.150	0.110	0.370	V	V		V	V	0
08-Dec	16-Dec	8		0.68	0.58	1005		5.38		27.40	3.520	0.140	0.550	0.410	0.080	7.240	0.170	0.960	V	V		V	S	1
16-Dec	22-Dec	6		1.05	1.00	1725		5.43		22.80	2.940	0.110	0.410	0.320	0.080	5.900	0.150	0.770	V	V		V	S	1
22-Dec	29-Dec	7		0.27	0.29	500		4.95		15.60	1.680	0.060	0.250	0.170	0.110	3.020	0.280	0.600	V	V		V	S	1
29-Dec	05-Jan	7		0.80	0.84	1450		5.40		12.30	1.040	0.060	0.540	0.120	0.190	2.090	0.680	0.390	V	V		V	V	0
05-Jan	12-Jan	7		0.05	0.05	83		5.52		4.90	0.180	0.002	0.220	0.030	0.150	0.300	0.280	0.350	V	U		V	V	0
12-Jan	20-Jan	8	L	---	0.34	590		5.12		395.00	53.550	2.070	5.140	6.830	0.110	110.50	0.630	16.320	V	M		V	S	1
20-Jan	27-Jan	7		0.00	0.00	0																		
27-Jan	02-Feb	6		0.51	0.49	842		5.42		22.00	2.690	0.120	0.180	0.310	0.030	5.390	0.250	0.700	V	V		V	V	0
02-Feb	09-Feb	7		.	0.00	2													S	M				1
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		0.45	0.44	750		5.29		13.90	1.260	0.050	0.290	0.160	0.010	2.260	0.630	0.630	V	V		V	V	0
01-Mar	08-Mar	7	L	.	0.06	105		5.16		50.00	6.340	0.230	0.440	0.660	0.110	8.760	0.890	1.770	V	M		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.18	0.19	330		5.35		33.90	3.780	0.090	0.580	0.420	0.200	7.080	0.670	1.550	V	V		V	V	0
19-Apr	26-Apr	7		0.64	0.68	1175		5.51		11.20	1.170	0.050	0.380	0.130	0.120	2.150	0.190	0.530	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7	G,F,L	.	0.00	6		6.20		1720.00														
10-May	17-May	7		0.00	0.00	0													S	M				1
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN RAFAEL SITE NUMBER: 2100451 BASIN: S.F. BAY AREA YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
30-Jun	08-Jul	8		0.00	0																		
08-Jul	14-Jul	6		0.00	0																		
14-Jul	21-Jul	7		0.00	0																		
21-Jul	28-Jul	7		0.00	0																		
28-Jul	04-Aug	7		0.00	0													M	M				0
04-Aug	07-Aug	3	B,L,Z	.	.													M	M				0
07-Aug	12-Aug	5	B,L,Z	.	.																		
12-Aug	18-Aug	6		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7		0.00	0																		
01-Sep	08-Sep	7		0.00	0																		
08-Sep	15-Sep	7		0.00	0																		
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.00	0																		
29-Sep	06-Oct	7		0.00	0																		
06-Oct	13-Oct	7		0.00	0																		
13-Oct	20-Oct	7		0.00	0																		
20-Oct	27-Oct	7		0.40	0.42	725	4.12	4.09	51.70	54.10	0.130	0.040	0.290	0.050	1.720	0.240	9.330	2.330	V	V	V	V	V	0
27-Oct	03-Nov	7		1.10	1.06	1822	4.73	4.79	10.30	10.50	0.020	0.020	0.040	0.010	0.230	0.170	1.500	0.530	V	V	V	L	L	0
03-Nov	10-Nov	7		0.15	0.15	255	5.16	5.26	8.50	8.10	0.470	0.020	0.080	0.060	0.170	0.840	0.630	0.560	V	V	V	V	V	0
10-Nov	17-Nov	7	Z	1.35	1.38	2375	5.25	5.20		4.60	0.050	0.003	0.020	0.007	0.130	0.100	0.310	0.330	V	V	V	V	V	0
17-Nov	24-Nov	7		0.50	0.49	848	5.30	5.27	7.00	6.00	0.180	0.010	0.060	0.030	0.190	0.340	0.360	0.530	V	V	V	V	V	0
24-Nov	01-Dec	7		2.70	2.58	4450	5.09	5.26	17.40	15.70	1.390	0.070	0.180	0.180	0.560	2.510	0.700	1.000	V	V	V	V	V	0
01-Dec	08-Dec	7		3.80	3.71	6400	5.53	5.54	19.00	18.10	2.130	0.100	0.240	0.260	0.130	4.050	0.310	1.080	V	V	V	V	V	0
08-Dec	15-Dec	7	B	0.94	1.01	1735	5.05	5.06	22.40	21.30	2.280	0.090	0.280	0.260	0.310	4.280	0.580	1.110	V	V	V	V	V	0
15-Dec	22-Dec	7		1.02	1.04	1790	5.71	5.39	12.00	12.30	0.680	0.030	0.320	0.080	0.490	1.020	1.090	1.170	V	V	V	V	V	0
22-Dec	29-Dec	7		1.82	1.86	3200	4.99	4.93	16.20	15.80	1.050	0.030	0.050	0.120	0.370	1.950	0.690	0.900	V	V	V	V	V	0
29-Dec	05-Jan	7	B	3.10	.	.	4.67	4.51	25.40	22.20	0.140	0.002	0.080	0.030	0.690	0.230	1.060	2.080	M	M	V	V	V	0
05-Jan	12-Jan	7		0.40	0.45	777	5.07	5.01	12.10	11.20	0.680	0.020	0.090	0.080	0.190	1.160	0.450	0.690	V	V	V	V	V	0
12-Jan	19-Jan	7		2.29	2.35	4055	5.22	5.17	14.90	14.40	1.400	0.050	0.040	0.170	0.050	2.950	0.290	0.580	V	V	V	V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.65	0.65	1124	5.03	4.89	9.00	9.10	0.230	0.010	0.040	0.040	0.130	0.290	0.710	0.560	V	V	V	V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	B	0.55	---	---	4.88	4.91	41.90	41.30	0.690	0.170	0.640	0.140	2.980	1.210	7.560	5.160	M	M	V	V	V	0
01-Mar	08-Mar	7		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		1.10	1.19	2060	5.12	5.31	7.70	7.00	0.460	0.030	0.260	0.060	0.100	0.750	0.190	0.490	V	V	V	V	V	0
12-Apr	19-Apr	7		0.94	0.93	1600	5.00	5.06	18.30	18.30	1.580	0.050	0.810	0.210	0.080	3.140	0.450	1.180	V	V	V	V	V	0
19-Apr	26-Apr	7		0.05	0.05	90		4.85		10.90	0.170	0.010	0.120	0.040	0.100	0.190	0.790	0.890	V	U		V	V	0
26-Apr	03-May	7		0.31	0.32	559	4.79	4.97	12.40	12.30	0.580	0.030	0.100	0.070	0.490	0.850	0.280	1.090	V	V	V	S	V	1
03-May	10-May	7	K,Z	0.14	0.14	248	4.97	5.19	9.70	8.10	0.280	0.010	0.160	0.040	0.350	0.370	0.430	0.740	V	V	V	V	V	0
10-May	17-May	7	J	0.00	0.00	0													S	U				1
17-May	24-May	7		0.00	0.00	3													V	V	V	V	V	0
24-May	31-May	7		0.32	0.31	540	5.09	5.30	9.50	8.40	0.560	0.020	0.120	0.070	0.130	0.920	0.280	0.500						
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7																						

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SANTA BARBARA

SITE NUMBER: 4200379

BASIN: S.CENTRAL COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.03	0.01	24		3.91		67.40	0.530	0.100	0.500	0.130	0.080	0.780	8.130	2.660	S	U		V	V	1
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.00	0.00	0																		
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		1.47	1.35	2320	4.88	4.88	8.20	9.20	0.080	0.020	0.040	0.020	0.160	0.210	1.020	0.600	V	V	V	V	V	0
27-Oct	03-Nov	7		0.48	0.49	840	4.73	4.70	23.30	25.80	0.120	0.190	0.180	0.050	1.700	0.280	6.000	1.220	V	V	V	V	V	0
03-Nov	10-Nov	7		0.67	0.67	1160	4.69	4.70	14.10	15.00	0.300	0.020	0.090	0.050	0.380	0.500	2.370	0.590	V	V	V	V	V	0
10-Nov	17-Nov	7		0.02	0.01	20		4.58		22.50	0.540	0.130	0.440	0.100	0.650	0.460	3.910	0.950	S	U		V	V	1
17-Nov	24-Nov	7		0.10	0.08	137	4.22	4.16	30.00	34.20	0.260	0.020	0.180	0.050	0.220	0.380	4.590	0.960	V	V	V	V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		1.28	1.09	1880	5.40	5.42	6.50	6.70	0.520	0.030	0.270	0.060	0.180	1.060	0.420	0.290	V	V	V	V	S	1
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7		0.45	0.37	640	5.27	5.68	7.90	7.70	0.490	0.040	0.270	0.070	0.180	0.820	0.830	0.510	V	V	V	V	V	0
22-Dec	29-Dec	7		0.90	0.90	1550	4.75	4.79	18.50	18.50	1.380	0.050	0.070	0.160	0.220	2.290	1.010	0.680	V	V	V	V	V	0
29-Dec	05-Jan	7		1.48	1.45	2500	4.82	4.90	9.50	9.70	0.340	0.013	0.090	0.400	0.170	0.500	0.590	0.440	V	V	V	S	V	1
05-Jan	12-Jan	7		0.00	0.00	0																		
12-Jan	19-Jan	7		1.54	1.40	2420	5.10	5.15	32.80	33.30	3.970	0.160	0.170	0.510	0.030	8.870	0.200	1.120	V	V	V	V	V	0
19-Jan	25-Jan	6		0.00	0.00	0																		
25-Jan	02-Feb	8		0.12	0.12	211	4.62	4.71	22.00	22.40	1.390	0.050	0.180	0.180	0.160	2.940	1.510	1.210	V	V	V	V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		1.87	1.67	2880	5.23	5.41	12.30	12.80	1.200	0.060	0.480	0.170	0.150	2.380	0.430	0.580	V	V	V	V	V	0
01-Mar	08-Mar	7	D,G	0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		1.03	0.99	1700	5.02	5.15	9.40	9.90	0.730	0.020	0.070	0.100	0.030	1.310	0.310	0.580	V	V	V	V	V	0
19-Apr	26-Apr	7		2.62	2.40	4140	5.06	5.37	6.80	7.80	0.410	0.020	0.110	0.060	0.060	0.670	0.250	0.500	V	V	V	V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.05	0.04	70		4.92		35.20	0.490	0.080	1.370	0.150	1.210	0.720	6.170	2.340	V	U		V	V	0
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA ASH MTN SITE NUMBER: 5400570 BASIN: SAN JOAQUIN VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
30-Jun	07-Jul	7		0.00	0																		
07-Jul	14-Jul	7		0.00	0																		
14-Jul	21-Jul	7		0.00	0																		
21-Jul	28-Jul	7		0.00	0																		
28-Jul	04-Aug	7		0.00	0																		
04-Aug	11-Aug	7		0.00	0																		
11-Aug	18-Aug	7		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7		0.00	0																		
01-Sep	03-Sep	2	Z	0.03	47		5.13		91.60	0.240	0.170	3.590	0.350	2.530	0.630	10.720	7.080	V	U		V	S	1
03-Sep	08-Sep	5		0.00	0																		
08-Sep	15-Sep	7		0.00	0																		
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.00	0																		
29-Sep	06-Oct	7		0.00	0																		
06-Oct	12-Oct	6		0.04	45		4.60		31.40	0.190	0.190	1.030	0.110	1.330	0.250	4.780	1.270	V	U		S	V	1
12-Oct	14-Oct	2		0.00	0																		
14-Oct	20-Oct	6		0.00	0																		
20-Oct	27-Oct	7	Z	0.40	752	6.36	5.03	19.80	19.00	0.050	0.100	0.200	0.040	1.950	0.170	4.230	1.180	V	V	S	S	V	2
27-Oct	03-Nov	7	Z	0.44	3694	6.11	5.38	8.40	10.00	0.002	0.020	0.060	0.006	1.070	0.120	2.490	0.390	V	V	S	V	V	1
03-Nov	10-Nov	7		2.14	797	5.33	5.21	8.10	8.80	0.020	0.040	0.070	0.009	0.750	0.130	1.840	0.730	V	V	V	L	L	0
10-Nov	17-Nov	7		0.45	263	5.41	5.40	5.30	5.10	0.009	0.040	0.070	0.010	0.280	0.120	1.060	0.220	V	V	V	L	L	0
17-Nov	24-Nov	7		0.15	550	5.80	5.33	7.70	7.20	0.002	0.030	0.190	0.020	0.840	0.030	1.460	0.390	V	V	V	S	S	2
24-Nov	01-Dec	7		0.32	0																		
01-Dec	08-Dec	7		0.00	2350	4.74	5.27	11.50	11.80	0.170	0.030	0.450	0.030	0.420	0.270	1.870	0.630	V	V	S	V	V	1
08-Dec	15-Dec	7		1.33	848	6.11	5.64	12.00	11.50	0.010	0.020	0.070	0.001	1.370	0.060	2.930	0.440	V	V	V	S	V	1
15-Dec	22-Dec	7		0.51	202	4.64	5.00	18.90	17.70	0.002	0.030	0.260	0.008	1.190	0.030	3.880	0.880	V	V	S	V	V	1
22-Dec	29-Dec	7		0.10	1660	4.87	5.37	8.40	7.80	0.040	0.009	0.210	0.005	0.330	0.070	1.230	0.350	V	V	V	V	V	0
29-Dec	05-Jan	7		0.90	5667	5.01	5.37	3.00	3.10	0.002	0.002	0.003	0.001	0.090	0.005	0.300	0.090	V	V	V	V	V	0
05-Jan	12-Jan	7		3.75	667	5.13	5.12	10.10	10.10	0.360	0.030	0.100	0.020	0.710	0.520	1.300	0.710	V	V	V	S	V	1
12-Jan	19-Jan	7	Z	0.40	3071	5.06	4.99	3.90	3.60	0.020	0.002	0.020	0.020	0.110	0.005	0.350	0.150	V	V	V	L	L	0
19-Jan	26-Jan	7		1.78	0																		
26-Jan	02-Feb	7		0.00	0																		
02-Feb	09-Feb	7		0.00	0																		
09-Feb	16-Feb	7		0.00	0																		
16-Feb	23-Feb	7		0.00	0																		
23-Feb	01-Mar	7	Z	0.80	1432	5.45	5.67	33.00	3.30	0.030	0.030	0.240	0.020	0.160	0.040	0.500	0.190	V	V	V	V	V	0
01-Mar	08-Mar	7		0.50	908	5.42	5.58	1.70	1.60	0.010	0.002	0.100	0.007	0.090	0.005	0.110	0.070	V	V	V	V	S	1
08-Mar	15-Mar	7		0.00	0																		
15-Mar	22-Mar	7		0.00	0																		
22-Mar	30-Mar	8		0.00	0																		
30-Mar	05-Apr	6		0.00	0																		
05-Apr	12-Apr	7		0.00	0																		
12-Apr	19-Apr	7		1.10	1906	5.26	5.11	7.70	8.40	0.060	0.007	0.360	0.020	0.490	0.040	1.450	0.600	V	V	V	V	V	0
19-Apr	26-Apr	7	Z	2.15	3780	5.51	5.55	6.10	5.60	0.060	0.020	0.330	0.020	0.490	0.020	0.740	0.370	V	V	V	L	L	0
26-Apr	03-May	7			33		4.80		35.50	0.940	0.200	2.010	0.150	1.620	1.570	4.510	3.700	S	M		S	V	2
03-May	10-May	7		0.35	627	5.47	5.54	14.30	11.90	0.450	0.100	0.540	0.080	0.770	0.530	1.470	0.990	V	V	V	S	V	1
10-May	17-May	7		0.00	0													S	U				1
17-May	24-May	7	G,F	0.05	17		5.09		14.20									V	V	S	S	V	2
24-May	31-May	7		1.02	1659	6.47	5.60	13.20	12.50	0.610	0.100	0.660	0.080	0.510	0.350	0.970	1.250						
31-May	07-Jun	7		0.00	0																		
07-Jun	14-Jun	7		0.00	0																		
14-Jun	21-Jun	7		0.15	241	5.26	5.26	30.30	29.30	0.170	0.140	0.320	0.070	2.690	0.240	4.240	3.940	V	V	V	V	V	0
21-Jun	28-Jun	7	L	0.00	0																		
28-Jun	05-Jul	7		0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA EMERALD SITE NUMBER: 5400575 BASIN: SAN JOAQUIN VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
01-Jul	07-Jul	6		0.00	0.00	0																		
07-Jul	14-Jul	7		0.02	0.02	36	4.60	5.49	26.60	19.10	0.800	0.480	0.770	0.130	0.530	1.240	1.920	1.240	V	U	S	S	V	2
14-Jul	15-Jul	1		0.00	0.00	0																		
15-Jul	21-Jul	6		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7	Z	0.07	0.07	125	4.70	5.19	45.00	30.00	0.740	0.300	0.540	0.090	1.970	1.120	5.220	2.890	V	V	V	V	V	0
25-Aug	31-Aug	6	Z	0.08	0.08	140	5.66	5.43	40.70	37.60	0.740	0.380	1.160	0.150	2.780	1.130	4.960	4.050	V	V	V	S	V	1
31-Aug	01-Sep	1		0.22	0.15	250	4.40	4.82	28.60	19.90	0.080	0.070	0.220	0.020	0.430	0.220	1.910	2.040	V	V	S	S	V	2
01-Sep	02-Sep	1		0.20	0.27	460	5.05	5.39	35.90	30.80	0.160	0.250	1.000	0.100	2.700	0.380	4.070	2.160	V	V	V	S	V	1
02-Sep	08-Sep	6		0.00	0.00	0																		
08-Sep	15-Sep	7		0.30	0.19	320	4.60	4.84	25.70	15.80	0.150	0.090	0.300	0.040	0.890	0.210	2.740	1.320	V	V	S	V	V	1
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.13	0.13	224		4.86	18.20	18.80	0.370	0.130	0.360	0.040	0.680	0.710	1.690	1.120	V	V		V	V	0
09-Jun	16-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7	Z	.	.	.																		
16-Jun	21-Jun	5		0.17	0.09	149	4.14	4.57	50.50	36.10	0.350	0.260	0.940	0.120	1.500	0.410	4.460	4.140	M	M				0
21-Jun	28-Jun	7		0.05	0.06	108	4.88	4.93	15.50	13.30	0.190	0.040	0.930	0.060	0.320	0.290	1.460	1.100	V	V	S	V	V	1
28-Jun	05-Jul	7		0.00	0.00	0													V	U	V	S	V	1

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA GF SITE NUMBER: 5400571 BASIN: SAN JOAQUIN VALLEY YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
30-Jun	07-Jul	7		0.00	0																		
07-Jul	14-Jul	7		0.00	0																		
14-Jul	21-Jul	7		0.00	0																		
21-Jul	28-Jul	7		0.00	0																		
28-Jul	04-Aug	7		0.00	0																		
04-Aug	11-Aug	7		0.00	0																		
11-Aug	18-Aug	7		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7		0.00	0																		
01-Sep	03-Sep	2	Z	0.30	510	6.14	5.52	37.40	34.60	0.230	0.590	1.430	0.200	2.700	0.380	5.680	2.750	V	V	S	S	V	2
03-Sep	08-Sep	5		0.00	0																		
08-Sep	15-Sep	7		0.01	24	5.27	4.97	28.10	27.00	1.010	0.400	0.870	0.110	1.750	1.710	4.880	2.230	S	U	S	V	S	3
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.00	0																		
29-Sep	06-Oct	7		0.00	0																		
06-Oct	13-Oct	7		0.08	131	4.66	4.61	22.20	21.00	0.240	0.200	0.690	0.080	0.610	0.370	3.300	0.990	V	V	V	S	V	1
13-Oct	20-Oct	7		0.00	0																		
20-Oct	27-Oct	7	L,Z	1.83	2765	5.04	5.24	8.10	7.40	0.020	0.020	0.020	0.010	0.480	0.110	1.330	0.390	V	V	V	L	L	0
27-Oct	03-Nov	7		2.43	4164	5.06	5.14	8.40	6.60	0.002	0.007	0.040	0.006	0.470	0.120	1.500	0.290	V	V	V	V	V	0
03-Nov	10-Nov	7	L,Z	1.10	1770	5.25	5.28		5.90	0.010	0.050	0.230	0.010	0.420	0.030	0.990	0.450	V	V	V	L	L	0
10-Nov	17-Nov	7	L,Z	0.33	510	5.10	5.10	4.70	4.30	0.040	0.010	0.350	0.008	0.090	0.070	0.220	0.120	V	V	V	V	S	1
17-Nov	24-Nov	7		.	793	5.60	5.20	6.10	5.20	0.002	0.004	0.210	0.010	0.370	0.030	0.840	0.310	V	M	V	L	L	0
24-Nov	01-Dec	7		0.00	0																		
01-Dec	08-Dec	7		2.35	2.29	3945	5.09	5.60	4.50	4.50	0.070	0.002	0.220	0.010	0.120	0.120	0.390	0.140	V	V	S	L	L	1
08-Dec	15-Dec	7		.	0.40	687	5.01	5.42	4.10	4.00	0.002	0.010	0.200	0.002	0.010	0.030	0.660	0.070	V	M	V	V	V	0
15-Dec	22-Dec	7		.	0.33	572	5.26	5.13	3.90	3.70	0.003	0.020	0.120	0.002	0.140	0.030	0.340	0.130	V	M	V	V	S	1
22-Dec	29-Dec	7		1.35	1.21	2089	4.97	5.30	3.60	4.00	0.002	0.003	0.120	0.001	0.090	0.005	0.380	0.120	V	V	V	V	V	0
29-Dec	05-Jan	7		6.50	5.16	8895	5.23	5.52	1.80	1.90	0.002	0.002	0.040	0.001	0.080	0.005	0.110	0.025	V	V	V	V	V	0
05-Jan	12-Jan	7	J,Z	1.05	0.98	1695	4.65	5.27	3.70	3.10	0.002	0.002	0.020	0.001	0.270	0.005	0.320	0.160	V	V	S	V	S	2
12-Jan	19-Jan	7	B	3.13	.	.												M	M				0
19-Jan	25-Jan	6		0.00	0.00	0																	
25-Jan	01-Feb	7		0.00	0.00	0																	
01-Feb	08-Feb	7		0.00	0.00	0																	
08-Feb	16-Feb	8		0.00	0.00	0																	
16-Feb	23-Feb	7		0.00	0.00	0																	
23-Feb	29-Feb	6	Z	.	0.76	1302	5.29	5.38	3.50	3.10	0.020	0.020	0.060	0.010	0.090	0.005	0.450	0.160	V	M	V	L	L	0
29-Feb	07-Mar	7		0.91	1.27	2197	5.59	5.56	2.10	2.00	0.020	0.002	0.040	0.007	0.070	0.005	0.250	0.080	V	V	V	L	L	0
07-Mar	15-Mar	8		0.00	0.00	0																	
15-Mar	22-Mar	7		0.00	0.00	0																	
22-Mar	29-Mar	7		0.00	0.00	0																	
29-Mar	05-Apr	7		0.00	0.00	0																	
05-Apr	12-Apr	7		0.00	0.00	0																	
12-Apr	19-Apr	7		1.30	1.23	2119	4.91	5.06	9.00	9.70	0.020	0.010	0.590	0.020	0.530	0.030	1.220	0.510	V	V	V	L	L	0
19-Apr	26-Apr	7	Z	2.45	2.17	3734	5.20	5.65	4.00	3.50	0.030	0.010	0.290	0.010	0.220	0.005	0.370	0.230	V	V	V	L	L	0
26-Apr	03-May	7	Z	0.25	0.19	320		5.20	15.50	14.20	0.440	0.090	0.690	0.070	0.660	0.580	1.490	1.380	V	V		S	V	1
03-May	10-May	7		0.45	0.44	759	5.94	5.29	10.10	9.60	0.250	0.050	0.290	0.040	0.770	0.280	1.130	0.850	V	V	S	S	V	2
10-May	17-May	7		0.00	0.00	0												M	M				0
17-May	24-May	7	D	0.15	.	.												V	V	S	S	V	2
24-May	31-May	7		1.25	1.10	1888	6.22	5.67	9.90	10.10	0.600	0.080	0.700	0.060	0.270	0.260	0.520	1.130						
31-May	07-Jun	7		0.00	0.00	0																	
07-Jun	14-Jun	7		0.00	0.00	0																	
14-Jun	21-Jun	7		0.85	0.97	1671	4.71	4.94	12.60	12.40	0.060	0.040	0.120	0.020	0.440	0.020	0.930	1.080	V	V	S	L	L	1
21-Jun	28-Jun	7	L,D	.	0.01	23	4.52		24.40										S	M				1
28-Jun	05-Jul	7		0.00	0.00	0																	

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SODA SPRINGS SITE NUMBER: 2900793 BASIN: MOUNTAIN COUNTIES YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	06-Jul	6		0.00	0.00	0																		
06-Jul	14-Jul	8		0.00	0.00	0																		
14-Jul	21-Jul	7	Z	0.23	0.20	337	4.58	4.79	25.20	20.10	0.740	0.110	0.270	0.110	0.670	1.030	2.990	1.290	V	V	S	V	V	1
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		.	0.01	22		4.71		44.40	1.340	0.430	1.730	0.200	1.580	1.360	5.800	3.010	S	M		S	V	2
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	06-Oct	14		0.00	0.00	0																		
06-Oct	13-Oct	7	Z	0.51	0.57	990	4.35	4.62	24.20	16.40	0.080	0.060	0.210	0.030	0.510	0.190	2.130	1.180	V	V	S	V	V	1
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	26-Oct	6		0.78	0.79	1355	4.98	5.24	4.60	3.80	0.002	0.002	0.010	0.006	0.050	0.060	0.440	0.160	V	V	V	V	V	0
26-Oct	03-Nov	8		0.67	0.66	1138	4.82	5.02	6.90	6.20	0.050	0.060	0.040	0.010	0.070	0.170	0.710	0.260	V	V	V	L	L	0
03-Nov	10-Nov	7		0.36	0.27	470	4.79	4.98	11.10	7.80	0.060	0.040	0.050	0.006	0.290	0.100	1.010	0.480	V	V	V	V	V	0
10-Nov	17-Nov	7	L,Z	.	1.89	3265	5.15	5.27	3.20	3.00	0.005	0.007	0.030	0.002	0.040	0.030	0.220	0.110	V	M	V	V	V	0
17-Nov	24-Nov	7	B	1.10	---	---	5.16	5.23	4.30	3.80	0.030	0.004	0.030	0.002	0.110	0.060	0.480	0.100	M	M	V	V	V	0
24-Nov	01-Dec	7	Z	0.67	0.55	950	5.14	5.37	3.90	3.40	0.050	0.010	0.200	0.010	0.040	0.080	0.360	0.110	V	V	V	L	L	0
01-Dec	08-Dec	7	Z	6.06	4.38	7560	5.36	5.50	3.60	2.90	0.130	0.010	0.120	0.020	0.130	0.220	0.110	0.120	V	V	V	V	S	1
08-Dec	15-Dec	7	Z	2.52	1.26	2171	5.11	5.35	2.90	2.50	0.020	0.002	0.120	0.001	0.050	0.060	0.250	0.120	V	V	V	L	L	0
15-Dec	22-Dec	7	Z	2.28	1.81	3120	5.29	5.38	3.90	2.30	0.040	0.002	0.003	0.001	0.070	0.020	0.120	0.050	V	V	V	L	L	0
22-Dec	29-Dec	7	B	3.48	---	---	5.27	5.47	2.50	1.90	0.002	0.002	0.010	0.001	0.120	0.005	0.060	0.025	M	M	V	V	V	0
29-Dec	05-Jan	7	Z	3.03	1.81	3120	5.21	5.38	2.50	2.40	0.050	0.002	0.003	0.002	0.150	0.040	0.080	0.025	V	V	V	V	V	0
05-Jan	11-Jan	6	Z	2.99	1.82	3130	5.26	5.41	2.90	2.90	0.100	0.002	0.020	0.002	0.040	0.080	0.130	0.100	V	V	V	V	V	0
11-Jan	19-Jan	8	Z	3.07	1.08	1870	5.19	5.34	3.90	2.90	0.060	0.002	0.020	0.002	0.040	0.030	0.200	0.025	V	S	V	V	V	1
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		1.30	0.95	1630	4.93	5.03	6.30	6.60	0.060	0.002	0.020	0.002	0.160	0.050	0.710	0.230	V	V	V	V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		1.04	0.95	1630	5.29	5.43	3.60	2.70	0.050	0.010	0.060	0.008	0.040	0.010	0.210	0.100	V	V	V	V	V	0
01-Mar	08-Mar	7		0.49	0.35	610	5.37	5.41	3.20	2.60	0.070	0.010	0.080	0.005	0.020	0.040	0.160	0.025	V	V	V	V	V	0
08-Mar	15-Mar	7	Z	0.12	0.09	160	5.35	5.54		11.90	0.210	0.070	0.160	0.020	0.960	0.170	2.410	0.740	V	V	V	V	V	0
15-Mar	22-Mar	7	B,Z	0.04	---	---			2.70										M	M				0
22-Mar	29-Mar	7		0.16	0.14	240	5.35	5.62	3.60	3.40	0.070	0.010	0.150	0.090	0.080	0.020	0.250	0.240	V	V	V	L	L	0
29-Mar	05-Apr	7		0.23	0.25	435	5.02	5.33	7.20	4.20	0.050	0.030	0.160	0.020	0.070	0.020	0.400	0.280	V	V	V	L	L	0
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		1.64	1.57	2700	5.04	5.24	5.70	4.70	0.030	0.002	0.120	0.004	0.150	0.005	0.490	0.310	V	V	V	V	V	0
19-Apr	26-Apr	7	Z	2.37	1.80	3095	5.27	5.42	2.70	2.50	0.040	0.002	0.040	0.010	0.040	0.005	0.130	0.080	V	V	V	L	L	0
26-Apr	03-May	7		0.71	0.47	810	5.14	5.24	5.40	5.70	0.220	0.030	0.070	0.010	0.050	0.260	0.370	0.290	V	V	V	L	L	0
03-May	10-May	7		0.51	0.39	670	5.13	5.27	4.50	4.50	0.110	0.010	0.040	0.005	0.070	0.080	0.380	0.170	V	V	V	V	V	0
10-May	17-May	7		0.35	0.40	685	5.12	5.18	4.20	4.20	0.080	0.020	0.030	0.004	0.070	0.005	0.180	0.220	V	V	V	V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7	L,Z	1.53	1.34	2310	5.22	5.38	4.40	3.10	0.020	0.002	0.150	0.006	0.030	0.005	0.240	0.130	V	V	V	L	L	0
31-May	07-Jun	7		0.86	1.00	1720	5.21	5.46	5.70	5.50	0.120	0.020	0.170	0.020	0.160	0.110	0.460	0.270	V	V	V	V	V	0
07-Jun	14-Jun	7		0.35	0.28	475	5.13	5.30	6.30	5.20	0.140	0.010	0.050	0.010	0.120	0.060	0.450	0.210	V	V	V	L	L	0
14-Jun	21-Jun	7		0.04	0.06	110	4.37	4.73	27.80	23.60	0.560	0.150	0.630	0.070	0.260	0.420	1.870	1.520	V	U	S	V	V	1
21-Jun	28-Jun	7		0.23	0.21	360	4.56	4.63	24.50	24.60	0.610	0.160	0.600	0.060	0.490	0.620	1.870	2.030	V	V	V	V	V	0
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SOUTH LAKE TAHOE SITE NUMBER: 900684 BASIN: LAKE TAHOE YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAG	FLAG	FLAG	FLAG	FLAG	
30-Jun	07-Jul	7	L	.	0.34	580	4.56	4.54	12.30	16.70	0.130	0.110	0.290	0.060	0.080	0.200	1.800	1.040	V	M	V	V	V	0
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.00	0.00	0																		
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	25-Aug	14		0.00	0.00	0																		
25-Aug	02-Sep	8		0.13	0.13	228	4.57	4.69	20.70	21.80	0.310	0.110	0.500	0.080	0.150	0.300	3.210	1.700	V	V	V	V	V	0
02-Sep	08-Sep	6		0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.30	0.34	580	4.45	4.72	21.20	16.10	0.100	0.070	0.210	0.040	0.530	0.240	2.160	1.320	V	V	S	V	V	1
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7		0.26	0.24	420	4.84	5.14	7.20	5.60	0.030	0.020	0.120	0.020	0.100	0.160	0.600	0.290	V	V	V	V	V	0
27-Oct	04-Nov	8		0.70	0.66	1135	5.22	5.27	5.00	4.20	0.003	0.030	0.060	0.009	0.110	0.140	0.640	0.180	V	V	V	V	V	0
04-Nov	12-Nov	8		0.25	0.25	423	4.75	4.80	12.20	12.00	0.020	0.040	0.110	0.010	0.490	0.080	1.450	0.880	V	V	V	L	L	0
12-Nov	17-Nov	5		0.65	0.63	1090	5.40	5.30	3.00	3.00	0.006	0.010	0.060	0.008	0.050	0.030	0.210	0.140	V	V	V	V	V	0
17-Nov	24-Nov	7		0.04	0.04	63	5.18	5.62	4.60	3.70	0.100	0.080	0.150	0.020	0.120	0.220	0.370	0.170	V	U	V	V	V	0
24-Nov	01-Dec	7	G	0.08	0.04	62	4.98	5.52	7.60	5.60	0.250	0.140	0.250	0.030	0.370	0.470	0.590	0.260	V	V	S	V	S	2
01-Dec	08-Dec	7		0.99	0.68	1175	5.15	5.48	4.80	4.00	0.130	0.260	0.100	0.040	0.010	0.210	0.110	0.140	V	V	V	V	V	0
08-Dec	15-Dec	7		0.05	0.00	0														U				0
15-Dec	22-Dec	7		0.65	0.55	940	5.19	5.29	4.30	3.60	0.070	0.004	0.020	0.008	0.090	0.040	0.110	0.025	V	V	V	V	V	0
22-Dec	29-Dec	7		0.57	0.54	930	5.42	5.33	2.50	2.50	0.090	0.002	0.010	0.002	0.120	0.100	0.100	0.025	V	V	V	V	S	1
29-Dec	06-Jan	8		1.04	0.89	1530	5.24	5.24	4.00	4.10	0.070	0.002	0.030	0.005	0.230	0.080	0.210	0.110	V	V	V	V	V	0
06-Jan	12-Jan	6		0.20	0.15	250	5.48	5.55	3.20	3.40	0.200	0.006	0.090	0.009	0.050	0.200	0.150	0.130	V	V	V	V	V	0
12-Jan	19-Jan	7		0.72	0.44	750	5.28	5.43	3.30	3.20	0.130	0.002	0.008	0.004	0.050	0.110	0.280	0.025	V	V	V	V	V	0
19-Jan	27-Jan	8		0.00	0.00	0																		
27-Jan	02-Feb	6		0.07	0.00	0														S				1
02-Feb	11-Feb	9		0.00	0.00	0																		
11-Feb	16-Feb	5		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	02-Mar	8		0.48	0.42	730	5.20	5.18	4.60	4.60	0.080	0.010	0.270	0.007	0.060	0.050	0.330	0.180	V	V	V	V	V	0
02-Mar	08-Mar	6		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.67	0.61	1050	5.05	5.00	5.70	6.00	0.040	0.020	0.070	0.008	0.040	0.005	0.380	0.240	V	V	V	V	V	0
19-Apr	26-Apr	7		0.06	0.03	57	5.01	5.21	7.80	5.80	0.270	0.090	0.400	0.050	0.060	0.340	0.190	0.300	V	V	V	S	V	1
26-Apr	03-May	7		0.00	0.00	4		6.16		9.60									S	U				1
03-May	10-May	7		0.10	0.08	146	5.13	5.20	5.80	5.60	0.090	0.020	0.160	0.030	0.050	0.090	0.150	0.200	V	V	V	V	V	0
10-May	17-May	7		0.04	0.01	11		5.33		9.10	0.360	0.020	0.400	0.030	0.920	0.540	0.540	0.320	S	U		S	V	2
17-May	24-May	7		0.00	0.00	0																		
24-May	01-Jun	8		0.42	0.46	800	5.25	5.53	4.60	4.10	0.020	0.010	0.290	0.010	0.040	0.005	0.380	0.180	V	V	V	L	L	0
01-Jun	07-Jun	6		0.13	0.12	215	5.47	5.47	6.10	5.20	0.160	0.030	0.160	0.030	0.250	0.200	0.600	0.290	V	V	V	V	V	0
07-Jun	14-Jun	7		.	0.00	7		5.24		12.00									S	M				1
14-Jun	21-Jun	7		0.07	0.08	130	4.41	4.98	25.20	15.80	0.130	0.110	0.330	0.040	0.670	0.170	1.830	0.980	V	V	S	S	V	2
21-Jun	28-Jun	7		0.03	0.03	53	4.20	4.44	54.40	49.40	0.100	0.070	0.180	0.160	1.470	0.790	4.400	5.740	V	U	S	S	V	2
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: TANBARK

SITE NUMBER: 7000598

BASIN: SOUTH COAST

YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	21-Jul	7		0.10	0.08	130		4.68		11.20	0.050	0.020	0.390	0.020	0.090	0.130	1.700	0.600	V	V		V	S	1
21-Jul	28-Jul	7		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.00	0.00	0																		
01-Sep	08-Sep	7		0.03	0.02	32		4.80		51.00	0.300	0.770	3.890	0.330	1.540	0.740	8.760	6.890	S	U		V	V	1
08-Sep	15-Sep	7		0.06	0.07	128		4.95		52.20	2.670	0.180	3.000	0.400	1.520	3.920	8.710	3.500	V	V		V	V	0
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7	Z	0.11	0.11	187		4.64		22.90	0.130	0.050	0.870	0.130	1.460	0.310	5.890	1.580	V	V		V	S	1
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7		0.46	0.45	775		5.74		13.00	0.030	0.020	0.070	0.010	1.500	0.170	1.350	0.930	V	V		L	L	0
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	L	3.64	3.60	6210		5.31		2.80	0.002	0.002	0.020	0.001	0.140	0.100	0.420	0.130	V	V		V	S	1
27-Oct	03-Nov	7		3.05	3.03	5225		4.78		12.00	0.210	0.006	0.030	0.030	0.250	0.420	1.390	0.660	V	V		V	V	0
03-Nov	10-Nov	7		1.53	1.57	2705		4.90		14.90	0.110	0.010	0.070	0.020	0.530	0.270	2.390	0.710	V	V		V	V	0
10-Nov	17-Nov	7		0.00	0.00	0																		
17-Nov	24-Nov	7		0.05	0.05	87		4.50		20.00	0.110	0.002	1.050	0.040	0.010	0.120	2.810	1.940	V	U		V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		1.20	1.19	2050		5.31		6.80	0.200	0.010	0.190	0.030	0.260	0.370	0.910	0.240	V	V		V	V	0
08-Dec	15-Dec	7		0.00	0.00	0																		
15-Dec	22-Dec	7	Z	1.43	1.32	2280		5.53		2.10	0.005	0.002	0.130	0.020	0.090	0.040	0.140	0.080	V	V		V	S	1
22-Dec	29-Dec	7		0.02	0.01	20		3.72		141.00	1.160	0.130	3.180	0.200	2.330	2.020	18.620	3.770	S	U		V	V	1
29-Dec	05-Jan	7		0.49	0.49	840		4.91		18.00	0.470	0.020	0.230	0.060	1.070	0.860	1.960	1.720	V	V		V	V	0
05-Jan	12-Jan	7		0.25	0.24	415		5.47		4.20	0.002	0.002	0.080	0.004	0.370	0.030	0.330	0.410	V	V		V	V	0
12-Jan	19-Jan	7	L,Z	4.37	4.52	7785		5.21		9.20	0.800	0.020	0.060	0.090	0.180	1.430	0.190	0.360	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7	Z	0.60	0.57	990		5.16		6.50	0.130	0.010	0.003	0.010	0.140	0.120	0.740	0.140	V	V		L	L	0
02-Feb	09-Feb	7		0.25	0.23	392		5.89		1.40	0.020	0.002	0.080	0.001	0.010	0.070	0.070	0.020	V	V		L	L	0
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7		2.94	3.07	5300		5.75		5.60	0.300	0.020	0.140	0.030	0.260	0.380	0.410	0.280	V	V		V	V	0
01-Mar	08-Mar	7		1.07	1.04	1795		5.02		11.60	0.260	0.020	0.230	0.050	0.260	0.400	1.480	0.670	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		2.08	2.10	3620		5.85		7.70	0.150	0.003	0.460	0.040	0.260	0.320	0.760	0.480	V	V		V	V	0
19-Apr	26-Apr	7		3.60	3.43	5920		5.34		6.80	0.120	0.030	0.120	0.030	0.280	0.110	0.570	0.520	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	1		3.95											S	U				1
03-May	10-May	7	Z	0.06	0.06	102		4.53		52.80	2.780	0.200	1.080	0.470	0.850	6.340	5.710	3.160	V	V		V	V	0
10-May	17-May	7		0.00	0.00	0																		
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7	Z	0.34	0.34	588		4.31		42.10	0.590	0.030	2.110	0.090	0.580	0.940	3.920	2.010	V	V		S	V	1
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		.	0.00	2		3.83		157.00														
21-Jun	28-Jun	7		0.00	0.00	0													S	M				1
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: VICTORVILLE CIV SITE NUMBER: 3600199 BASIN: S.E. DESERT YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE PRECIP (inches)	VOLUME (ml)	pH FIELD	pH LAB	CONDUCTIVITY FIELD (uS/cm)	CONDUCTIVITY LAB (uS/cm)	Na (mg/L)	K (mg/L)	Ca (mg/L)	Mg (mg/L)	NH4 (mg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	LVS	VPD	EPD	IPD	CPD	SUSPECT
30-Jun	07-Jul	7		0.00	0																		
07-Jul	14-Jul	7		0.00	0																		
14-Jul	21-Jul	7		0.02	41		4.86		21.70	0.120	0.140	2.370	0.130	0.520	0.490	2.580	0.870	V	U		S	V	1
21-Jul	28-Jul	7		0.00	0																		
28-Jul	04-Aug	7		0.00	0																		
04-Aug	11-Aug	7		0.00	0																		
11-Aug	18-Aug	7		0.00	0																		
18-Aug	25-Aug	7		0.00	0																		
25-Aug	01-Sep	7		0.00	0																		
01-Sep	08-Sep	7		0.00	0																		
08-Sep	15-Sep	7		0.00	0																		
15-Sep	22-Sep	7		0.00	0																		
22-Sep	29-Sep	7		0.10	207		5.15		25.20	0.350	0.100	1.560	0.080	1.540	0.460	4.000	2.070	V	V		S	V	1
29-Sep	06-Oct	7		0.00	0																		
06-Oct	13-Oct	7		0.09	128		5.35		15.30	0.620	0.150	0.750	0.040	0.760	0.920	1.600	0.720	V	V		S	V	1
13-Oct	20-Oct	7		0.00	0																		
20-Oct	27-Oct	7		0.42	790		5.58		4.00	0.010	0.002	0.190	0.010	0.200	0.100	0.600	0.180	V	V		L	L	0
27-Oct	03-Nov	7		1.26	2200		5.39		4.80	0.002	0.060	0.160	0.040	0.480	0.100	0.460	0.250	V	V		S	S	2
03-Nov	10-Nov	7		0.25	415		5.38		6.30	0.100	0.030	0.420	0.040	0.280	0.220	0.860	0.450	V	V		V	V	0
10-Nov	17-Nov	7	L	.	54		4.47		27.30	0.220	0.090	0.900	0.100	0.610	0.350	4.780	0.880	V	M		V	V	0
17-Nov	24-Nov	7		0.25	460		5.57		4.00	0.150	0.030	0.320	0.020	0.010	0.180	0.340	0.200	V	V		V	V	0
24-Nov	01-Dec	7		0.00	0																		
01-Dec	08-Dec	7		0.38	580		5.78		2.20	0.020	0.002	0.100	0.006	0.140	0.030	0.190	0.060	V	V		L	L	0
08-Dec	15-Dec	7		0.00	0																		
15-Dec	22-Dec	7	Z	0.89	1640		5.15		6.10	0.100	0.040	0.390	0.040	0.220	0.120	0.420	0.600	V	V		S	S	2
22-Dec	29-Dec	7		0.16	270		5.03		8.40	0.200	0.030	0.280	0.010	0.540	0.200	1.090	0.730	V	V		L	L	0
29-Dec	05-Jan	7		0.05	90		5.40		17.80	0.550	0.150	0.490	0.040	1.370	0.710	2.030	1.220	V	U		S	V	1
05-Jan	12-Jan	7		0.00	0																		
12-Jan	19-Jan	7	Z	1.23	1980		5.62		3.40	0.150	0.002	0.080	0.020	0.190	0.160	0.180	0.150	V	V		V	V	0
19-Jan	26-Jan	7		0.00	0																		
26-Jan	02-Feb	7		0.30	500		5.44		7.10	0.090	0.020	0.250	0.010	0.340	0.080	1.110	0.510	V	V		L	L	0
02-Feb	09-Feb	7		.	7		5.20		22.30									S	M				1
09-Feb	16-Feb	7		0.00	0																		
16-Feb	23-Feb	7		0.00	0																		
23-Feb	01-Mar	7		0.09	142		5.99		26.90	0.560	0.080	0.800	0.100	2.260	0.860	2.500	1.480	V	V		S	V	1
01-Mar	08-Mar	7		0.23	363		4.94		11.60	0.080	0.007	0.320	0.030	0.260	0.070	2.360	0.360	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0																		
15-Mar	22-Mar	7		0.00	0																		
22-Mar	29-Mar	7		0.00	0																		
29-Mar	05-Apr	7		0.00	0																		
05-Apr	12-Apr	7		0.00	0																		
12-Apr	19-Apr	7		0.52	870		5.58		3.10	0.002	0.002	0.240	0.010	0.090	0.060	0.400	0.150	V	V		L	L	0
19-Apr	26-Apr	7		0.34	630		5.39		5.80	0.170	0.030	0.260	0.020	0.470	0.010	0.680	0.410	V	V		S	V	1
26-Apr	03-May	7		0.00	0																		
03-May	10-May	7	G,F	.	12		6.03		125.50									S	M				1
10-May	18-May	8		0.00	0																		
18-May	24-May	6		0.00	0																		
24-May	31-May	7		0.00	0																		
31-May	07-Jun	7		0.00	0																		
07-Jun	14-Jun	7		0.00	0																		
14-Jun	21-Jun	7		0.00	0																		
21-Jun	28-Jun	7		0.00	0																		
28-Jun	05-Jul	7		0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: YOSEMITE HODGEN SITE NUMBER: 2200745 BASIN: MOUNTAIN COUNTIES YEAR: 1987/88

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
30-Jun	07-Jul	7		0.00	0.00	0																		
07-Jul	14-Jul	7		0.00	0.00	0																		
14-Jul	20-Jul	6	L	0.00	0.00	0																		
20-Jul	28-Jul	8		0.00	0.00	0																		
28-Jul	04-Aug	7		0.00	0.00	0																		
04-Aug	11-Aug	7		0.00	0.00	0																		
11-Aug	18-Aug	7		0.00	0.00	0																		
18-Aug	25-Aug	7		0.00	0.00	0																		
25-Aug	01-Sep	7		0.05	0.05	90		6.17		31.90	0.320	0.350	1.530	0.190	1.960	0.480	5.780	3.080	V	U		V	V	0
01-Sep	08-Sep	7	E,G	0.00	0.00	0																		
08-Sep	15-Sep	7		0.00	0.00	0																		
15-Sep	22-Sep	7		0.00	0.00	0																		
22-Sep	29-Sep	7		0.00	0.00	0																		
29-Sep	06-Oct	7		0.00	0.00	0																		
06-Oct	13-Oct	7	L	.	0.61	1050	4.96	5.48	25.60	20.10	0.230	0.140	0.760	0.090	1.260	0.380	3.440	1.340	V	M	S	S	V	2
13-Oct	20-Oct	7		0.00	0.00	0																		
20-Oct	27-Oct	7	L	.	1.56	2698	4.77	5.07	7.60	5.70	0.020	0.008	0.050	0.010	0.130	0.150	0.850	0.180	V	M	V	L	L	0
27-Oct	03-Nov	7	L	.	2.25	3882	4.89	5.29	5.20	4.20	0.020	0.030	0.010	0.006	0.120	0.110	0.650	0.110	V	M	V	L	L	0
03-Nov	10-Nov	7	L	.	1.07	1842	4.81	5.02	11.00	8.60	0.030	0.040	0.020	0.007	0.370	0.170	1.700	0.320	V	M	V	V	V	0
10-Nov	17-Nov	7	L	.	2.11	3641	4.85	5.15	7.30	4.80	0.050	0.270	0.040	0.009	0.010	0.110	0.380	0.100	V	M	V	V	V	0
17-Nov	24-Nov	7	L	.	0.81	1394	5.18	5.48	6.30	3.70	0.050	0.010	0.070	0.009	0.190	0.050	0.580	0.180	V	M	V	V	V	0
24-Nov	01-Dec	7		0.00	0.00	0																		
01-Dec	08-Dec	7		1.85	1.83	3147	5.20	5.63	5.60	4.30	0.270	0.030	0.080	0.040	0.100	0.500	0.290	0.190	V	V	V	V	V	0
08-Dec	15-Dec	7	L	---	0.84	1442	4.83	5.42	3.40	2.60	0.030	0.030	0.120	0.008	0.110	0.030	0.130	0.080	V	M	S	V	V	1
15-Dec	22-Dec	7	L	.	0.82	1418	5.31	5.44	2.60	2.20	0.002	0.002	0.030	0.005	0.060	0.090	0.300	0.100	V	M	V	V	V	0
22-Dec	05-Jan	14	F,L,Z	.	.	.		5.25		3.30	0.020	0.003	0.007	0.003	0.110	0.020	0.160	0.090	M	M		L	L	0
05-Jan	12-Jan	7	L,Z	---	0.92	1586		5.36	4.30	3.20	0.010	0.004	0.050	0.004	0.040	0.005	0.220	0.120	V	M		V	V	0
12-Jan	19-Jan	7	B	1.96	---	---	5.05	5.26	4.30	3.90	0.040	0.009	0.002	0.005	0.060	0.020	0.350	0.090	M	M	V	L	L	0
19-Jan	26-Jan	7		0.00	0.00	0																		
26-Jan	02-Feb	7		0.03	0.04	73		4.27		34.20	0.280	0.250	0.340	0.070	0.340	0.400	5.410	0.900	V	U		V	V	0
02-Feb	09-Feb	7		0.00	0.00	0																		
09-Feb	16-Feb	7		0.00	0.00	0																		
16-Feb	23-Feb	7		0.00	0.00	0																		
23-Feb	01-Mar	7	Z	2.90	2.90	5005	5.05	5.52	2.70	2.40	0.030	0.030	0.050	0.008	0.030	0.005	0.230	0.100	V	V	V	V	V	0
01-Mar	08-Mar	7		0.00	0.00	0																		
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7		0.00	0.00	0																		
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7	Z	2.15	2.07	3563	4.98	5.18	7.30	5.80	0.030	0.030	0.130	0.010	0.210	0.005	0.650	0.390	V	V	V	L	L	0
19-Apr	26-Apr	7		2.91	2.91	5019	5.07	5.31	4.20	4.00	0.030	0.002	0.150	0.090	0.100	0.005	0.330	0.200	V	V	V	V	V	0
26-Apr	03-May	7		0.15	0.13	231	4.95	5.25	8.20	6.80	0.200	0.030	0.150	0.040	0.020	0.260	0.630	0.430	V	V	V	V	V	0
03-May	10-May	7		0.65	0.66	1144	5.33	6.07	7.80	7.30	0.220	0.030	0.100	0.040	0.510	0.290	0.950	0.440	V	V	S	V	V	1
10-May	17-May	7		0.75	0.72	1240	4.72	4.95	11.10	9.10	0.060	0.020	0.180	0.020	0.570	0.050	1.010	0.390	V	V	S	S	V	2
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		1.20	1.18	2027	5.12	5.42	5.20	4.30	0.002	0.002	0.190	0.010	0.200	0.030	0.440	0.220	V	V	V	L	L	0
31-May	07-Jun	7		0.15	0.10	174	5.63	5.65	15.90	16.10	0.780	0.100	0.580	0.120	0.810	1.200	1.790	1.190	V	V	V	S	V	1
07-Jun	14-Jun	7		0.00	0.01	9		5.51		18.90									S	U				1
14-Jun	21-Jun	7		0.02	0.02	29		4.60		35.30									S	U				1
21-Jun	28-Jun	7		0.15	0.15	256	4.55	4.76	15.90	16.90	0.170	0.070	0.310	0.040	0.440	0.100	1.240	1.470	V	V	S	V	V	1
28-Jun	05-Jul	7		0.00	0.00	0																		

Wet Deposition Data Tables

Hydrological Year 1989: July 1988 to June 1989

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ANAHEIM SITE NUMBER: 3000194 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.05	0.05	80		3.76		137.80	2.080	0.260	2.003	0.430	3.020	1.990	12.360	9.240	V	U		V	V	0
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	L	.	0.55	955		4.89		10.00	0.140	0.120	0.098	0.020	0.210	0.230	0.870	0.920	V	M		V	V	0
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.39	0.38	650		5.24		8.40	0.180	0.040	0.155	0.030	0.440	0.250	0.750	0.790	V	V		V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		1.44	1.51	2595		5.04		17.60	1.320	0.150	0.113	0.140	0.390	2.330	2.080	1.150	V	V		V	V	0
20-Dec	27-Dec	7		2.39	2.47	4260		5.28		6.30	0.230	0.020	0.037	0.030	0.290	0.380	0.690	0.410	V	V		V	V	0
27-Dec	03-Jan	7		0.17	0.15	250		5.95		8.00	0.100	0.020	0.054	0.010	0.810	0.180	0.730	0.400	V	V		L	L	0
03-Jan	10-Jan	7		0.26	0.23	405		4.93		11.40	0.300	0.030	0.322	0.100	0.490	0.560	0.920	1.100	V	V		S	V	1
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.04	0.03	54		4.46		32.50	0.970	0.270	0.432	0.120	0.980	1.150	4.320	1.700	V	U		V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.51	0.47	805		5.07		11.90	0.540	0.070	0.069	0.060	0.410	1.020	0.660	1.120	V	V		V	V	0
07-Feb	14-Feb	7		0.57	0.54	930		4.88		26.00	1.900	0.080	0.365	0.160	1.020	2.300	3.220	1.860	V	V		V	V	0
14-Feb	21-Feb	7		0.02	.	.													M	M				0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.49	0.43	745		4.57		28.90	0.940	0.080	0.254	0.120	1.000	1.380	3.740	2.270	V	V		V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	27-Mar	6	L	0.37	0.28	490		5.32		5.70	0.070	0.020	0.107	0.020	0.250	0.200	0.560	0.400	V	V		V	V	0
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.00	0.00	0																		
17-Apr	24-Apr	7		0.00	0.00	0																		
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	30-May	8		0.00	0.00	0																		
30-May	05-Jun	6		0.00	0.00	0																		
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BAKERSFIELD SITE NUMBER: 1500203 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	13-Jul	8		0.00	0.00	0																		
13-Jul	19-Jul	6		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	F	0.43	0.40	683	5.31	5.78		17.10	1.870	0.100	0.420	0.170	0.510	2.310	0.570	1.490	V	V	V	S	V	1
15-Nov	22-Nov	7		0.01	0.02	30		5.65		47.60	0.580	0.170	0.254	0.060	2.340	1.120	4.850	5.220	S	U		V	V	1
22-Nov	29-Nov	7	E	0.30	0.31	528					.	.	.	.	.	.	.	.	V	V		M	M	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	L	0.20	0.17	289	5.60	5.61	26.00	23.80	0.360	0.110	0.922	0.080	1.730	0.480	2.860	4.660	V	V	V	V	V	0
20-Dec	27-Dec	7	Z	0.52	0.55	943	5.99	5.73	11.30	11.20	0.282	0.048	0.236	0.067	0.870	0.540	0.880	1.550	V	V	V	V	V	0
27-Dec	03-Jan	7		0.07	0.06	103	6.15	5.88	24.30	24.80	0.541	0.049	0.354	0.148	2.160	1.350	3.590	2.550	V	V	V	V	V	0
03-Jan	10-Jan	7		0.22	0.19	325	5.26	5.15	22.10	22.00	0.140	0.050	0.220	0.050	1.860	0.350	1.140	4.860	V	V	V	V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7	Z	0.14	0.12	215	6.47	6.33	48.20	50.10	0.270	0.200	0.329	0.060	5.700	1.110	8.880	7.530	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.92	0.92	1578	5.21	5.31	7.50	6.60	0.020	0.010	0.134	0.020	0.270	0.170	0.410	0.790	V	V	V	L	L	0
07-Feb	14-Feb	7		0.13	0.14	237	6.55	6.28	47.50	44.30	0.220	0.380	2.442	0.200	3.000	0.450	6.740	5.720	V	V	V	V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.35	0.33	561	5.04	5.34	10.80	11.00	0.110	0.020	0.197	0.030	0.770	0.320	1.440	1.820	V	V	V	V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.45	0.44	756	5.56	5.66	10.50	10.90	0.290	0.060	0.262	0.060	0.690	0.670	1.110	1.410	V	V	V	V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7		0.00	0.00	0																		
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7	L	.	0.21	358	5.65	5.73	36.00	38.80	1.690	0.150	0.605	0.160	2.950	2.130	2.150	3.170	V	M	V	S	V	1
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	07-Jun	8		0.00	0.00	0																		
07-Jun	13-Jun	6		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BERKELEY SITE NUMBER: 6000341 BASIN: S.F. BAY AREA YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	03-Aug	8		0.00	0.00	0																		
03-Aug	09-Aug	6		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	31-Aug	8		0.00	0.00	0																		
31-Aug	07-Sep	7		0.00	0.00	0																		
07-Sep	14-Sep	7		0.00	0.00	0																		
14-Sep	21-Sep	7		0.00	0.00	0																		
21-Sep	28-Sep	7		0.00	0.00	0																		
28-Sep	05-Oct	7		0.00	0.00	0																		
05-Oct	12-Oct	7		0.00	0.00	0																		
12-Oct	19-Oct	7		0.40	0.38	658	4.82	4.91	7.00	7.20	0.080	0.010	0.097	0.010	0.040	0.120	0.650	0.480	V	V	V	L	L	0
19-Oct	26-Oct	7		0.00	0.00	0																		
26-Oct	02-Nov	7		0.13	0.11	186	4.88	5.01	9.90	9.90	0.180	0.030	0.098	0.030	0.260	0.190	1.050	0.860	V	V	V	V	V	0
02-Nov	09-Nov	7		0.13	0.11	183	4.92	5.20	7.20	7.10	0.350	0.020	0.093	0.040	0.130	0.530	0.460	0.500	V	V	V	V	V	0
09-Nov	16-Nov	7	Z	0.80	0.79	1358	5.30	5.18	18.50	17.70	1.960	0.070	0.110	0.200	0.230	2.680	0.560	1.030	V	V	V	V	V	0
16-Nov	23-Nov	7	J,Z	2.35	2.25	3876	5.08	5.45	7.90	9.10	0.470	0.030	0.316	0.060	0.150	0.800	0.500	0.690	V	V	V	V	V	0
23-Nov	30-Nov	7	J	0.40	0.38	663		5.22	29.40	14.10	1.760	0.050	0.129	0.150	0.140	2.580	0.440	0.650	V	V		V	V	0
30-Nov	07-Dec	7		0.00	0.00	0																		
07-Dec	14-Dec	7		0.00	0.00	0																		
14-Dec	21-Dec	7		1.60	1.33	2300	5.10	5.31	8.00	7.50	0.400	0.020	0.154	0.060	0.060	0.670	0.490	0.410	V	V	V	V	V	0
21-Dec	03-Jan	13	Z	2.95	2.89	4986	5.20	5.06	16.10	20.10	2.260	0.080	0.297	0.230	0.070	3.870	0.350	0.820	V	V	V	V	V	0
03-Jan	10-Jan	7		1.25	1.15	1981	4.90	5.07	8.90	8.20	0.270	0.020	0.102	0.050	0.150	0.490	0.510	0.560	V	V	V	V	V	0
10-Jan	17-Jan	7	F,G	0.03	0.03	50		5.36		14.20	0.390	0.080	0.280	0.090	0.810	0.700	1.260	2.050	V	U		V	V	0
17-Jan	27-Jan	10		0.60	0.51	887	5.12	5.25	3.10	3.50	0.090	0.120	0.032	0.005	0.100	0.080	0.200	0.220	V	V	V	V	V	0
27-Jan	31-Jan	4	Z	0.00	0.00	0																		
31-Jan	07-Feb	7	Z	0.87	0.58	1000	4.30	4.72	15.30	17.40	0.850	0.040	0.167	0.120	0.220	1.590	0.980	1.040	V	V	S	V	V	1
07-Feb	14-Feb	7	Z	0.93	0.93	1600		4.87	7.30	7.60	0.060	0.040	0.103	0.020	0.010	0.180	0.440	0.540	V	V		V	V	0
14-Feb	21-Feb	7	Z	0.33	.	.													M	M				0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		2.71	2.66	4583	5.47	5.37	5.30	5.90	0.190	0.020	0.077	0.020	0.110	0.380	0.390	0.440	V	V	V	V	V	0
07-Mar	14-Mar	7		0.96	0.96	1650	5.60	5.30	5.50	5.60	0.310	0.092	0.090	0.030	0.100	0.370	0.360	0.420	V	V	V	V	V	0
14-Mar	20-Mar	6	Z	2.31	2.24	3861	4.90	4.90	8.40	9.00	0.350	0.020	0.095	0.050	0.100	0.640	0.710	0.480	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BETHEL ISL SITE NUMBER: 700442 BASIN: S.F. BAY AREA YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.46	0.42	727	5.12	5.24	5.80	5.00	0.040	0.020	0.110	0.020	0.100	0.150	0.580	0.380	V	V	V	V	V	0
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.10	0.10	172	5.70	5.78	13.30	13.10	0.970	0.090	0.441	0.140	0.420	2.100	0.610	0.660	V	V	V	V	V	0
15-Nov	22-Nov	7		0.12	0.10	171	6.26	6.29	19.70	19.90	0.570	0.070	0.173	0.090	1.950	1.180	1.220	1.200	V	V	V	S	V	1
22-Nov	29-Nov	7		0.71	0.69	1187	5.48	5.61	3.60	3.70	0.100	0.010	0.075	0.010	0.220	0.200	0.230	0.390	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.18	0.12	202	6.34	6.13	22.80	22.00	0.750	0.160	0.566	0.210	1.540	1.140	1.640	1.480	V	V	V	S	V	1
20-Dec	27-Dec	7		0.98	1.00	1720	5.98	5.95	7.70	7.70	0.420	0.030	0.064	0.040	0.540	0.760	0.410	0.630	V	V	V	V	V	0
27-Dec	03-Jan	7		0.19	0.19	336	5.23	5.51	18.10	17.90	0.848	0.078	0.372	0.130	1.000	1.870	2.870	1.130	V	V	V	V	V	0
03-Jan	10-Jan	7		0.38	0.38	650	5.59	5.58	5.10	4.90	0.050	0.010	0.085	0.020	0.410	0.170	0.460	0.420	V	V	V	V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.27	0.26	444	5.06	5.34	5.90	5.50	0.080	0.100	0.064	0.020	0.350	0.100	1.010	0.220	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	Z	0.34	0.32	548	4.86	4.96	7.00	12.10	0.200	0.050	0.138	0.030	0.450	0.400	1.410	0.920	V	V	V	V	V	0
07-Feb	14-Feb	7		0.66	0.63	1080	5.21	5.45	5.90	5.30	0.047	0.019	0.122	0.024	0.327	0.180	0.880	0.390	V	V	V	V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		1.62	1.56	2687	5.50	5.74	4.60	4.30	0.050	0.020	0.042	0.007	0.300	0.190	0.710	0.350	V	V	V	V	V	0
07-Mar	14-Mar	7	L	0.69	0.66	1145	5.88	5.88	6.70	6.80	0.080	0.020	0.072	0.020	0.510	0.200	0.870	0.750	V	V	V	V	V	0
14-Mar	21-Mar	7		0.55	0.54	937	5.59	5.80	4.80	4.60	0.105	0.048	0.034	0.014	0.382	0.250	0.490	0.320	V	V	V	V	V	0
21-Mar	28-Mar	7		0.15	0.14	247	5.83	5.80	10.80	10.60	0.250	0.100	0.278	0.060	0.730	0.400	1.140	1.230	V	V	V	V	V	0
28-Mar	04-Apr	7	F,G	0.01	0.01	17		5.86		21.40	0.540	0.410	0.830	0.140	1.220				S	U		M	M	1
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	G	0.04	0.03	59		5.83		29.30	1.480	0.184	0.813	0.240	1.470	3.370	2.020	2.900	V	U		V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.05	0.05	81		5.62		16.60	0.640	0.390	0.724	0.150	0.480	1.160	1.530	1.900	V	U		V	V	0
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		1.08	0.99	1708	4.57	4.98	14.90	12.20	0.120	0.020	0.147	0.040	0.510	0.390	1.280	0.600	V	V	S	V	V	1
06-Jun	13-Jun	7		0.02	0.03	48		4.82		19.50	0.320	0.040	0.613	0.120	0.790	1.160	2.790	1.700	V	U		V	V	0
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: EL MONTE SITE NUMBER: 7000579 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	L	.	0.08	133		3.69		121.70	0.580	0.080	0.258	0.090	2.800	1.080	10.150	7.820	V	M		V	V	0
20-Sep	26-Sep	6		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	11-Oct	8		0.00	0.00	0																		
11-Oct	17-Oct	6		0.00	0.00	0																		
17-Oct	24-Oct	7		0.00	0.00	0																		
24-Oct	31-Oct	7		0.00	0.00	0																		
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7	L	.	0.43	740		4.46		21.80	0.180	0.020	0.094	0.020	0.210	0.280	1.500	1.670	V	M		V	V	0
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.57	0.49	845		4.64		18.50	0.120	0.020	0.194	0.030	0.860	0.480	1.960	1.510	V	V		V	V	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7	L	2.28	---	---		5.72		10.20	0.600	0.040	0.079	0.060	0.610	1.150	0.620	0.720	M	M		V	V	0
19-Dec	27-Dec	8		2.37	2.28	3930		4.97		9.70	0.080	0.010	0.079	0.020	0.230	0.200	0.870	0.660	V	V		V	V	0
27-Dec	03-Jan	7		0.09	0.08	140		5.72		18.60	0.320	0.200	0.113	0.030	2.020	0.330	2.380	0.840	V	V		S	V	1
03-Jan	10-Jan	7		0.63	0.57	980		4.65		19.50	0.180	0.020	0.282	0.070	0.700	0.410	1.910	1.800	V	V		V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.01	0.01	18		5.04		47.50	2.510	0.740	1.120	0.160		1.310	8.700	2.830	S	U		M	M	1
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.93	0.86	1485		4.73		15.50	0.300	0.030	0.097	0.040	0.470	0.550	1.100	1.250	V	V		V	V	0
07-Feb	14-Feb	7		0.78	0.78	1350		6.00		11.00	0.160	0.020	0.072	0.020	1.120	0.380	0.710	0.730	V	V		S	V	1
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.35	0.32	560		4.46		26.10	0.370	0.030	0.212	0.070	0.720	0.530	2.800	1.610	V	V		V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7	L	0.58	0.59	1025		5.07		8.60	0.040	0.020	0.075	0.020	0.350	0.140	0.940	0.540	V	V		V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	L	.	0.01	25		4.43		84.40	5.890	0.350	2.820	0.700	1.070	8.670	11.370	4.370	S	M		V	V	1
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.06	0.06	110		4.32		50.60	1.170	0.100	1.138	0.220	1.520	1.490	8.160	3.800	V	V		V	V	0
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ESCONDIDO SITE NUMBER: 8000115 BASIN: SAN DIEGO YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.01	0.01	20		4.27		95.80	8.280	0.560	0.492	0.170	1.060	13.500	10.310	8.170	S	U		S	V	2
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.35	0.34	583	5.90	5.48	7.20	7.60	0.370	0.040	0.085	0.050	0.340	0.650	0.700	0.630	V	V	V	V	V	0
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.90	0.87	1500	5.52	5.48	8.10	8.80	0.510	0.050	0.105	0.060	0.250	0.880	0.620	0.440	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.90	0.86	1485	5.73	5.34	13.90	13.80	0.890	0.050	0.181	0.120	0.480	1.810	1.130	1.060	V	V	V	V	V	0
20-Dec	27-Dec	7	Z	1.65	1.75	3020	5.71	5.12	11.70	11.80	0.910	0.060	0.084	0.108	0.210	2.010	0.580	0.710	V	V	S	V	V	1
27-Dec	03-Jan	7	F	0.02	0.02	34		4.76		27.50	1.940	0.120	1.097	0.195	0.440	2.290	3.300	1.410	S	U		S	V	2
03-Jan	10-Jan	7		0.53	0.55	951	4.91	4.69	19.70	20.80	0.500	0.050	0.148	0.070	0.480	0.850	2.490	1.230	V	V	S	V	V	1
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.04	0.04	61		5.42		17.20	0.770	0.090	0.541	0.110	0.960	1.200	3.110	1.480	V	U		V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	Z	0.50	0.56	974	6.16	5.56	10.60	10.80	0.700	0.030	0.074	0.040	0.570	1.400	0.600	0.920	V	V	S	V	V	1
07-Feb	14-Feb	7		0.25	0.28	475	5.19	4.85	24.20	24.00	1.200	0.060	0.199	0.130	0.960	2.250	2.430	1.960	V	V	S	V	V	1
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7	I	0.40	0.38	650	5.45	4.84	17.00	17.40	0.700	0.060	0.312	0.090	0.450	1.200	1.240	1.990	V	V	S	V	V	1
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7	Z	1.30	1.28	2200	5.65	5.23	12.80	12.90	1.100	0.050	0.164	0.100	0.184	2.160	0.580	0.740	V	V	V	V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		.	0.01	14		3.59		182.00	.	.	.	.	.	2.810	22.630	10.780	S	M		M	M	1
18-Apr	25-Apr	7		0.00	0.00	0																		
25-Apr	02-May	7		0.15	0.13	225	5.72	5.47	14.90	17.10	2.280	0.130	0.243	0.140	0.210	2.510	1.540	1.240	V	V	V	V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.05	0.03	60		5.17		100.20	18.630	4.550	1.660	1.160	0.940	21.040	3.300	5.910	V	U		S	S	2
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: EUREKA SITE NUMBER: 1200519 BASIN: NORTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.03	0.03	54		4.61		149.50	16.840	1.750	1.990	1.880	0.110	6.230	1.640	8.560	V	U		S	V	1
20-Sep	27-Sep	7		0.05	0.05	78		5.29		49.70	4.050	1.920	0.944	0.920	1.630	8.640	0.730	3.850	V	U		V	V	0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.41	0.39	680	6.30	6.27	10.50	10.60	0.250	0.470	0.311	0.190	0.740	0.450	0.310	1.000	V	V	V	S	V	1
11-Oct	18-Oct	7	A	0.04	0.04	63		5.24		19.10	0.630	0.250	1.895	0.460	0.060	0.820	0.340	1.350	V	U		S	V	1
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7	L	.	2.97	5115	5.55	5.48	5.90	6.00	0.510	0.020	0.063	0.060	0.024	0.930	0.100	0.360	V	M	V	V	V	0
08-Nov	15-Nov	7		1.88	1.95	3360	5.36	5.43	20.20	18.60	2.230	0.100	0.105	0.250	0.080	2.860	0.110	0.850	V	V	V	V	V	0
15-Nov	22-Nov	7		3.15	3.31	5700	5.43	5.18	8.60	10.10	0.880	0.040	0.074	0.110	0.110	1.580	0.040	0.480	V	V	V	V	V	0
22-Nov	29-Nov	7		1.73	1.75	3025	4.94	5.00	22.20	21.90	2.530	0.080	0.115	0.250	0.060	4.120	0.980	2.120	V	V	V	V	S	1
29-Nov	06-Dec	7		0.15	0.15	260	5.52	5.35	13.20	9.60	1.000	0.150	0.151	0.100	0.140	1.590	0.190	0.490	V	V	V	V	V	0
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.17	0.16	280	5.60	5.57	13.10	12.00	1.340	0.090	0.310	0.200	0.020	2.030	0.420	0.830	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: GASQUET SITE NUMBER: 800652 BASIN: NORTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	03-Aug	8		0.00	0.00	0																		
03-Aug	10-Aug	7		0.00	0.00	0																		
10-Aug	16-Aug	6		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	01-Sep	9		0.00	0.00	0																		
01-Sep	06-Sep	5		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
06-Sep	20-Sep	14	D	.	.	.													M	M				0
13-Sep	20-Sep	7		0.40	0.39	673					.	.	.	.	.	.	.	.	V	V		M	M	0
20-Sep	27-Sep	7		0.12	0.12	204	4.75	4.86	10.50	8.90	0.090	0.040	0.606	0.040	0.100	0.270	0.640	0.500	V	V	V	S	V	1
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.50	0.48	830	5.48	5.48	2.50	2.00	0.051	0.046	0.146	0.008	0.090	0.060	0.005	0.190	V	V	V	V	S	1
11-Oct	18-Oct	7	G,Z	0.11	0.11	182		4.96		6.00	0.130	0.130	0.084	0.020	0.020	0.130	0.530	0.380	V	V		V	V	0
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		5.70	5.55	9563	5.23	5.38	5.90	6.00	0.460	0.020	0.073	0.060	0.110	0.850	0.040	0.300	V	V	V	V	V	0
08-Nov	21-Nov	13	B	8.87	7.54	13000	5.18	5.42	12.20	14.40	1.980	0.060	0.170	0.190	0.030	2.730	0.110	0.600	V	V	V	V	V	0
21-Nov	23-Nov	2		6.82	6.51	11226	5.71	5.53	5.90	5.70	0.510	0.050	0.055	0.070	0.020	0.870	0.110	0.310	V	V	V	V	V	0
23-Nov	29-Nov	6		3.37	3.19	5496	5.18	5.28	8.00	9.60	0.972	0.035	0.059	0.120	0.060	1.700	0.060	0.420	V	V	V	V	V	0
29-Nov	07-Dec	8		0.35	0.32	546.	5.08	5.28	4.70	3.30	0.040	0.020	0.048	0.020	0.070	0.140	0.170	0.180	V	V	V	V	V	0
07-Dec	13-Dec	6		0.00	0.00	0																		
13-Dec	20-Dec	7		0.98	0.92	1584	5.13	5.19	6.60	6.10	0.310	0.020	0.049	0.040	0.030	0.550	0.270	0.340	V	V	V	V	V	0
20-Dec	27-Dec	7		6.34	6.17	10630	5.22	5.20	18.80	23.30	3.020	0.120	0.145	0.350	0.010	5.220	0.130	0.850	V	V	V	V	V	0
27-Dec	03-Jan	7		3.34	3.07	5299	5.34	5.31	7.20	7.80	0.650	0.030	0.141	0.070	0.080	1.200	0.210	0.380	V	V	V	V	V	0
03-Jan	10-Jan	7		6.01	5.82	10026	5.18	5.33	3.60	3.40	0.150	0.010	0.017	0.020	0.010	0.300	0.090	0.100	V	V	V	V	V	0
10-Jan	17-Jan	7		1.82	1.62	2794	4.90	5.17	9.40	10.00	1.020	0.040	0.072	0.120	0.010	1.990	0.110	0.400	V	V	V	V	V	0
17-Jan	24-Jan	7		1.75	1.70	2937	5.50	5.48	2.40	2.10	0.040	0.050	0.046	0.008	0.010	0.080	0.080	0.110	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	06-Feb	6	B	2.43	---	---	5.02	5.28	16.00	14.70	1.980	0.070	0.186	0.140	0.010	3.210	0.100	0.560	M	M	V	V	V	0
06-Feb	14-Feb	8	G	0.04	.	.													M	M				0
14-Feb	22-Feb	8		2.43	2.31	3982	4.94	4.92	6.60	7.00	0.089	0.014	0.116	0.028	0.050	0.240	0.680	0.330	V	V	V	V	V	0
22-Feb	28-Feb	6		1.46	1.44	2475	5.27	5.25	7.50	8.90	0.740	0.030	0.070	0.060	0.010	1.380	0.200	0.350	V	V	V	V	V	0
28-Feb	07-Mar	7		4.51	4.42	7623	5.37	5.38	3.10	3.00	0.084	0.011	0.044	0.009	0.010	0.190	0.110	0.130	V	V	V	V	V	0
07-Mar	14-Mar	7		5.90	5.78	9966	5.44	5.21	6.20	6.70	0.620	0.210	0.085	0.050	0.010	1.040	0.150	0.320	V	V	V	V	S	1
14-Mar	21-Mar	7		5.35	5.19	8956	5.25	5.32	5.10	4.50	0.321	0.025	0.034	0.032	0.010	0.610	0.140	0.200	V	V	V	L	L	0
21-Mar	28-Mar	7		4.00	3.91	6742	5.02	5.17	6.30	6.70	0.580	0.040	0.055	0.050	0.010	1.030	0.110	0.230	V	V	V	V	V	0
28-Mar	04-Apr	7		3.26	3.20	5521	5.34	5.29	4.60	4.40	0.160	0.020	0.057	0.020	0.010	0.310	0.180	0.310	V	V	V	V	V	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	20-Apr	9		0.00	0.00	0																		
20-Apr	25-Apr	5		2.61	2.55	4404	5.44	5.33	4.60	4.30	0.130	0.017	0.103	0.013	0.050	0.250	0.180	0.250	V	V	V	V	V	0
25-Apr	01-May	6		0.40	0.39	666	5.20	5.24	8.10	8.30	0.088	0.044	0.140	0.025	0.255	0.420	1.110	0.500	V	V	V	V	V	0
01-May	09-May	8		0.00	0.00	0																		
09-May	17-May	8		0.08	.	.													M	M				0
17-May	24-May	7		2.87	2.87	4947	4.70	5.06	7.00	7.20	0.530	0.020	0.059	0.040	0.010	1.010	0.130	0.370	V	V	V	V	V	0
24-May	30-May	6		0.91	0.88	1518	5.38	5.37	5.40	5.30	0.310	0.010	0.067	0.040	0.010	0.560	0.170	0.290	V	V	V	V	V	0
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	21-Jun	8		0.15	0.13	221	4.96	5.27	6.40	4.80	0.066	0.046	0.087	0.025	0.050	0.210	0.110	0.320	V	V	V	V	V	0
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	04-Jul	6		1.16	1.08	1863	5.42	5.34	3.80	3.80	0.090	0.011	0.042	0.021	0.050	0.270	0.240	0.240	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LAKE ISABELLA SITE NUMBER: 1500245 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	13-Jul	8		0.00	0.00	0																		
13-Jul	19-Jul	6		0.00	0.00	0																		
19-Jul	26-Jul	7		0.46	0.44	762	4.59	4.61	38.10	42.90	0.350	0.260	1.185	0.120	2.680	0.510	7.960	3.930	V	V	V	V	V	0
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.13	.	.													M	M				0
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
01-Nov	15-Nov	14	F,Z	.	.	.													M	M				0
08-Nov	15-Nov	7		0.34	0.27	470	5.43	5.43		5.70	0.170	0.020	0.105	0.030	0.070	0.300	0.420	0.360	V	V	V	V	V	0
15-Nov	22-Nov	7		0.05	0.03	50		5.34		9.10	0.170	0.070	0.184	0.030	0.380	0.410	1.530	1.100	V	U		V	V	0
22-Nov	29-Nov	7		1.30	1.31	2262	5.87	5.87	3.00	2.40	0.020	0.010	0.047	0.010	0.080	0.060	0.160	0.260	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.55	0.50	861	4.71	4.88	19.30	15.80	0.340	0.070	0.415	0.070	0.420	0.450	2.240	1.310	V	V	V	V	V	0
20-Dec	27-Dec	7		2.43	2.14	3698	5.51	5.32	4.20	4.30	0.112	0.019	0.038	0.014	0.036	0.230	0.280	0.210	V	V	V	V	V	0
27-Dec	03-Jan	7	I	0.08	0.10	171	5.02	5.06	7.10	5.70	0.090	0.040	0.208	0.060	0.010	0.220	0.380	0.220	V	V	V	V	V	0
03-Jan	10-Jan	7		0.29	0.21	366	5.04	4.97	6.70	6.70	0.050	0.030	0.040	0.020	0.040	0.160	0.520	0.410	V	V	V	V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.00	0.00	0																		
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		1.40	1.40	2415	5.36	5.38	2.60	2.80	0.010	0.008	0.046	0.006	0.010	0.100	0.160	0.170	V	V	V	V	V	0
07-Feb	14-Feb	7	Z	0.54	0.59	1020	5.61	4.95	5.00	5.20	0.050	0.020	0.078	0.020	0.030	0.110	0.470	0.370	V	V	S	V	S	2
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		1.43	1.78	3074	5.47	5.35	2.90	3.70	0.050	0.036	0.200	0.027	0.010	0.150	0.050	0.190	V	V	V	V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.25	0.30	525	5.86	5.45	4.70	6.30	0.120	0.040	0.085	0.020	0.168	0.260	0.540	0.480	V	V	V	V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	24-Apr	6		0.05	.	.													M	M				0
24-Apr	02-May	8		0.00	0.00	0																		
02-May	09-May	7		0.02	.	.													M	M				0
02-May	16-May	14	L	.	.	.													M	M				0
09-May	16-May	7		0.05	0.04	74		5.21		28.00	0.590	0.200	0.459	0.110	2.020	1.040	4.790	2.380	V	U		V	V	0
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LAKEPORT SITE NUMBER: 1700713 BASIN: LAKE COUNTY YEAR: 1988/89

							--- pH ---		CONDUCTIVITY		---------- ION CONCENTRATIONS (lab) ----------								-------- FLAGS --------					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				----- inches -----		-- ml --			---- uS/cm ----		---------- mg/L ----------													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	14-Sep	8		0.00	0.00	0																		
14-Sep	20-Sep	6		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.30	0.28	483	5.31	5.69	2.70	2.70	0.070	0.040	0.063	0.010	0.100	0.120	0.160	0.280	V	V	V	L	L	0
08-Nov	15-Nov	7	E	1.20	1.21	2080	5.23	5.54	8.60	9.00	0.880	0.040	0.177	0.100	0.130	1.460	0.300	0.660	V	V	V	V	V	0
15-Nov	22-Nov	7		1.20	1.21	2085	5.13	5.32	4.80	4.60	0.120	0.010	0.054	0.020	0.080	0.220	0.380	0.320	V	V	V	V	V	0
22-Nov	29-Nov	7		2.43	2.35	4050	5.26	5.49	3.40	3.60	0.100	0.010	0.032	0.010	0.140	0.240	0.230	0.190	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.65	0.55	950	5.04	5.37	5.10	5.20	0.158	0.018	0.078	0.020	0.227	0.280	0.590	0.510	V	V	V	V	V	0
20-Dec	27-Dec	7	L,Z	---	2.14	3690	5.16	5.47	5.10	4.70	0.320	0.020	0.039	0.040	0.030	0.580	0.180	0.170	V	M	V	V	V	0
27-Dec	03-Jan	7		0.31	0.30	520	4.71	4.95	9.60	9.50	0.190	0.030	0.132	0.050	0.030	0.470	0.500	0.530	V	V	S	V	V	1
03-Jan	10-Jan	7	Z	0.95	0.85	1460	4.99	5.07	5.70	5.40	0.090	0.040	0.034	0.012	0.190	0.210	0.460	0.360	V	V	V	V	V	0
10-Jan	17-Jan	7	F,G	0.06	0.06	100		5.26		5.60	0.100	0.020	0.070	0.030	0.120	0.310	0.390	0.310	V	V		V	V	0
17-Jan	24-Jan	7		0.23	0.23	395	5.53	5.64	3.80	3.50	0.030	0.020	0.033	0.010	0.220	0.040	0.490	0.120	V	V	V	L	L	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	Z	0.17	0.14	245	5.11	5.23	6.20	6.40	0.360	0.030	0.118	0.040	0.060	0.700	0.220	0.360	V	V	V	V	V	0
07-Feb	14-Feb	7		0.38	0.32	560	4.83	5.02	13.50	12.50	0.520	0.030	0.188	0.060	0.560	0.930	1.390	0.840	V	V	V	V	V	0
14-Feb	21-Feb	7		0.11	0.11	195	5.83	6.12	5.40	5.20	0.040	0.020	0.049	0.009	0.510	0.200	0.580	0.260	V	V	V	V	V	0
21-Feb	28-Feb	7		0.06	0.06	98		5.09		4.60	0.040	0.008	0.037	0.010	0.110	0.190	0.420	0.250	V	V		L	L	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LINDCOVE SITE NUMBER: 5400578 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches	inches	ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.72	0.70	1210	5.51	5.98	8.60	7.20	0.220	0.060	0.148	0.030	0.650	0.350	0.780	0.460	V	V	V	V	V	0
15-Nov	22-Nov	7		0.17	0.18	315	5.08	5.73	13.30	12.40	0.220	0.050	0.570	0.030	0.890	0.180	3.110	0.940	V	V	S	V	V	1
22-Nov	29-Nov	7		0.63	0.63	1080	5.66	5.88	4.20	4.30	0.030	0.020	0.040	0.040	0.330	0.150	0.440	0.430	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.34	0.32	560		5.76	11.50	11.40	0.430	0.090	0.384	0.020	0.620	0.270	1.760	0.920	V	V		V	V	0
20-Dec	28-Dec	8		1.46	1.44	2480	5.26	5.36	5.80	5.90	0.270	0.120	0.082	0.030	0.250	0.540	0.730	0.300	V	V	V	V	V	0
28-Dec	03-Jan	6		0.25	0.24	420	4.92	4.98	6.70	6.40	0.060	0.020	0.105	0.040	0.090	0.170	0.710	0.250	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LYNWOOD SITE NUMBER: 7000084 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.47	0.44	760		4.61		17.50	0.160	0.140	0.153	0.020	0.600	0.310	0.580	2.130	V	V		V	V	0
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.47	0.46	800		4.94		13.50	0.190	0.010	0.117	0.030	0.700	0.400	1.020	1.280	V	V		V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		1.10	1.16	2000		4.89		23.60	1.680	0.070	0.139	0.190	0.420	2.890	1.200	1.620	V	V		V	V	0
20-Dec	27-Dec	7		2.18	2.26	3890		4.78		12.80	0.300	0.060	0.090	0.030	0.340	0.440	0.790	1.060	V	V		V	V	0
27-Dec	03-Jan	7		0.13	0.13	225		4.78		26.80	0.610	0.080	0.158	0.070	1.620	0.740	4.520	1.740	V	V		V	V	0
03-Jan	10-Jan	7	Z	0.22	0.22	379		4.74		21.90	0.430	0.030	0.385	0.090	0.830	0.790	1.550	3.030	V	V		V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.03	0.03	51		4.60		43.20	1.390	0.100	0.717	0.190	1.900	1.720	5.720	2.940	V	U		V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	E	0.97	0.99	1700		4.68		20.60	0.590	0.060	0.114	0.070	0.640	1.150	1.100	2.000	V	V		V	V	0
07-Feb	14-Feb	7		0.56	0.59	1010		5.61		10.60	0.420	0.110	0.146	0.040	0.694	0.590	0.970	1.300	V	V		V	V	0
14-Feb	21-Feb	7		0.02	0.01	17		3.95		114.80	1.880	0.381	1.420	0.350	4.090	2.990	12.470	8.820	S	U		V	V	1
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.32	0.32	560		4.51		23.60	0.550	0.030	0.245	0.080	0.470	0.870	1.900	1.790	V	V		V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	27-Mar	6		0.65	0.63	1080		4.84		12.20	0.100	0.030	0.123	0.030	0.420	0.240	1.010	1.100	V	V		V	V	0
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.00	0.00	0																		
17-Apr	24-Apr	7		0.00	0.00	0																		
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7	G	0.00	0.00	3		4.49		263.30									S	U				1
15-May	22-May	7		0.00	0.00	0																		
22-May	30-May	8		0.00	0.00	0																		
30-May	05-Jun	6		0.00	0.00	0																		
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MONTAGUE SITE NUMBER: 4700870 BASIN: N.E. PLATEAU YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7	G	0.05	0.04	69		4.71		18.40	0.150	0.090	0.617	0.170	0.250	0.190	2.230	0.860	V	U		S	V	1
02-Aug	09-Aug	7		0.25	0.23	395	4.24	4.31	31.40	30.00	0.050	0.040	0.163	0.030	0.400	0.020	3.260	0.930	V	V	V	L	L	0
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7	G	0.03	0.02	28		5.53		8.40	0.130	0.100	0.360	0.038	0.200	0.110	0.620	0.400	S	U		S	V	2
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		1.00	0.92	1590	5.53	5.63	3.20	2.40	0.010	0.020	0.042	0.010	0.100	0.070	0.240	0.260	V	V	V	L	L	0
08-Nov	15-Nov	7		0.60	0.57	980	5.34	5.68	2.70	2.50	0.020	0.020	0.160	0.010	0.130	0.080	0.240	0.190	V	V	V	L	L	0
15-Nov	22-Nov	7		1.40	1.30	2249	5.34	5.50	2.10	2.10	0.010	0.010	0.041	0.003	0.060	0.040	0.190	0.210	V	V	V	V	V	0
22-Nov	29-Nov	7	Z	0.65	0.71	1228	5.27	5.65	2.50	2.30	0.013	0.012	0.084	0.018	0.120	0.050	0.170	0.230	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.05	0.04	66		5.88		4.80	0.050	0.030	0.160	0.070	0.320	0.170	0.730	0.430	V	U		V	V	0
20-Dec	27-Dec	7	Z	0.50	0.45	776	5.48	5.42	2.50	2.60	0.050	0.020	0.060	0.020	0.020	0.160	0.200	0.120	V	V	V	V	V	0
27-Dec	03-Jan	7	Z	0.05	0.05	80		5.37		6.60	0.050	0.010	0.212	0.070	0.140	0.070	1.600	0.180	V	U		V	V	0
03-Jan	10-Jan	7	Z	1.30	1.15	1986	5.52	5.40	2.50	2.30	0.050	0.060	0.012	0.004	0.100	0.110	0.250	0.070	V	V	V	V	S	1
10-Jan	17-Jan	7		0.20	0.19	331	5.08	5.21	7.40	6.70	0.040	0.020	0.099	0.030	0.290	0.080	1.360	0.240	V	V	V	V	V	0
17-Jan	24-Jan	7		0.35	0.32	555	5.39	5.66	3.20	2.90	0.030	0.008	0.055	0.007	0.150	0.160	0.340	0.140	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.02	0.01	20		5.84		4.90	0.140	0.040	0.240	0.020	0.120	0.310	0.300	0.250	S	U		V	V	1
07-Feb	14-Feb	7		0.00	0.00	0																		
14-Feb	21-Feb	7		0.15	0.16	273	5.82	5.83	4.20	4.00	0.040	0.020	0.103	0.030	0.260	0.180	0.580	0.180	V	V	V	V	V	0
21-Feb	28-Feb	7	D	0.05	.	.													M	M				0
28-Feb	07-Mar	7		1.15	1.06	1829	5.44	5.62	2.70	2.50	0.030	0.020	0.020	0.006	0.070	0.120	0.410	0.100	V	V	V	V	V	0
07-Mar	14-Mar	7		1.05	1.11	1921	5.55	5.72	2.00	2.20	0.030	0.030	0.052	0.008	0.060	0.100	0.240	0.080	V	V	V	V	V	0
14-Mar	21-Mar	7		0.42	0.44	764	5.24	5.29	3.80	3.80	0.020	0.010	0.031	0.008	0.180	0.100	0.500	0.180	V	V	V	L	L	0
21-Mar	28-Mar	7		0.21	0.19	333	5.59	5.70	2.70	2.80	0.050	0.020	0.022	0.020	0.180	0.160	0.310	0.170	V	V	V	V	V	0
28-Mar	04-Apr	7		0.40	0.38	647	5.72	5.77	2.80	2.70	0.020	0.010	0.032	0.010	0.142	0.080	0.270	0.240	V	V	V	L	L	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7	G	.	0.01	19		4.98		16.90	.	.	.	.	0.476	0.260	3.060	1.280	S	M		M	M	1
18-Apr	25-Apr	7	E	1.10	1.10	1894					.	.	.	.	.	.	.	.	V	V		M	M	0
25-Apr	02-May	7		0.10	0.11	185	5.26	5.24	5.30	6.00	0.040	0.020	0.092	0.040	0.256	0.230	0.920	0.370	V	V	V	V	V	0
02-May	09-May	7		1.30	1.31	2264	5.17	5.33	5.50	5.40	0.020	0.020	0.066	0.010	0.258	0.100	0.780	0.360	V	V	V	L	L	0
09-May	16-May	7		0.05	0.01	23		5.06		14.20	.	.	.	.	0.280	0.910	1.990	1.300	S	U		M	M	1
16-May	23-May	7		0.45	0.42	719	5.19	5.19	4.40	3.30	0.020	0.120	0.081	0.030	0.010	0.130	0.005	0.290	V	V	V	L	L	0
23-May	30-May	7		0.40	0.39	672	5.29	5.30	2.80	3.00	0.010	0.020	0.069	0.020	0.060	0.090	0.280	0.250	V	V	V	V	S	1
30-May	06-Jun	7		0.45	0.41	701	4.86	4.86	9.60	11.60	0.070	0.090	0.194	0.050	0.220	0.140	1.040	0.870	V	V	V	V	V	0
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.15	0.12	215	5.27	5.15	3.80	4.20	0.050	0.030	0.128	0.040	0.030	0.150	0.450	0.290	V	V	V	V	S	1
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6	G	0.03	0.02	38		4.74		16.20	0.192	0.074	.	0.075	0.200	0.520	2.660	0.520	V	U		M	M	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MT WILSON SITE NUMBER: 7000584 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.42	0.43	742		4.98		11.20	0.080	0.002	0.005	0.020	0.560	0.150	2.030	0.730	V	V		V	V	0
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	E	0.42	0.41	708		4.20		44.60	0.680	0.200	0.224	0.080	1.220	1.030	3.470	3.350	V	V		V	V	0
20-Sep	27-Sep	7		0.18	0.17	295		4.35		32.40	0.500	0.040	0.234	0.070	0.570	0.760	3.740	2.120	V	V		V	V	0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	E	2.13	2.12	3660		4.87		6.80	0.010	0.040	0.053	0.003	0.080	0.200	0.610	0.660	V	V		V	S	1
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.85	0.87	1500		5.08		4.30	0.010	0.003	0.034	0.002	0.080	0.040	0.300	0.310	V	V		V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	L	.	5.59	9630		5.32		5.60	0.210	0.020	0.036	0.030	0.120	0.330	0.370	0.310	V	M		V	V	0
20-Dec	27-Dec	7		2.53	2.55	4405		5.23		3.30	0.002	0.004	0.048	0.004	0.040	0.080	0.210	0.120	V	V		V	V	0
27-Dec	03-Jan	7		0.44	0.47	805		4.60		19.30	0.220	0.030	0.134	0.040	0.520	0.280	3.050	0.790	V	V		V	V	0
03-Jan	09-Jan	6		1.13	1.26	2180		4.94		7.50	0.030	0.030	0.054	0.030	0.080	0.130	0.610	0.410	V	V		V	V	0
03-Jan	10-Jan	7	E,Z	.	.	.													M	M				0
09-Jan	17-Jan	8		0.00	0.00	0																		
17-Jan	24-Jan	7		0.10	0.10	172		4.46		21.10	0.080	0.040	0.103	0.010	0.720	0.230	3.190	0.820	V	V		L	L	0
24-Jan	01-Feb	8		0.00	0.00	0																		
01-Feb	08-Feb	7	E,Z	4.27	4.79	8250		5.32		2.60	0.010	0.010	0.015	0.001	0.010	0.040	0.120	0.110	V	V		L	L	0
08-Feb	15-Feb	7		1.48	1.50	2585		5.24		5.30	0.074	0.011	0.052	0.015	0.170	0.180	0.630	0.300	V	V		V	V	0
15-Feb	22-Feb	7		0.00	0.00	0																		
22-Feb	01-Mar	7		0.00	0.00	0																		
01-Mar	08-Mar	7		0.88	0.90	1550		4.89		7.20	0.030	0.010	0.061	0.010	0.100	0.100	0.720	0.310	V	V		L	L	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	21-Mar	6		0.00	0.00	0																		
21-Mar	29-Mar	8		0.73	0.72	1240		5.17		5.30	0.050	0.010	0.057	0.020	0.080	0.260	0.440	0.250	V	V		V	V	0
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.00	0.00	0																		
19-Apr	26-Apr	7		0.03	0.04	74		4.69		25.70	1.270	0.130	0.382	0.176	0.632	2.040	3.730	1.360	V	U		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7	E	0.62	0.57	990		4.77		20.90	0.830	0.210	0.272	0.120	0.444	1.290	2.120	1.110	V	V		V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	06-Jun	6		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: NAPA SITE NUMBER: 2800783 BASIN: S.F. BAY AREA YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.15	0.14	241	4.81	4.79	15.20	15.10	0.220	0.050	0.314	0.050	0.380	0.370	1.940	1.120	V	V	V	V	V	0
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.58	0.55	950	4.82	4.90	16.60	17.20	0.780	0.040	0.080	0.100	0.530	1.290	1.190	1.530	V	V	V	V	V	0
08-Nov	15-Nov	7		1.16	1.12	1926	5.01	5.15	14.70	15.40	1.360	0.060	0.054	0.150	0.320	2.060	0.730	0.970	V	V	V	V	V	0
15-Nov	22-Nov	7		1.36	1.38	2381	4.63	4.73	16.10	16.80	0.470	0.030	0.073	0.060	0.410	0.840	1.420	1.120	V	V	V	V	V	0
22-Nov	29-Nov	7		1.45	1.39	2390	5.28	5.39	6.10	7.00	0.320	0.020	0.050	0.050	0.170	0.540	0.400	0.440	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		1.02	1.02	1759	4.81	4.97	10.80	10.30	0.560	0.020	0.092	0.050	0.200	0.670	0.820	0.670	V	V	V	V	V	0
20-Dec	27-Dec	7		1.88	1.78	3075	4.97	5.14	11.50	11.40	0.890	0.050	0.059	0.110	0.140	1.520	0.450	0.590	V	V	V	V	V	0
27-Dec	03-Jan	7		0.40	0.38	658	4.72	4.84	13.40	13.40	0.360	0.010	0.194	0.070	0.160	0.720	0.810	0.980	V	V	V	V	V	0
03-Jan	10-Jan	7		0.80	0.80	1377	4.80	4.96	12.00	12.60	0.360	0.030	0.059	0.020	0.370	0.640	0.960	0.970	V	V	V	V	V	0
10-Jan	17-Jan	7		0.03	0.03	44		5.51		11.60	0.390	0.030	0.180	0.070	0.610	0.940	0.870	1.160	V	U		V	V	0
17-Jan	24-Jan	7		0.50	0.50	868	4.88	4.85	7.20	7.20	0.020	0.004	0.101	0.030	0.150	0.130	0.660	0.540	V	V	V	L	L	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.25	0.24	413	5.33	5.37	9.50	9.00	0.440	0.020	0.101	0.020	0.400	0.940	0.760	0.620	V	V	V	V	V	0
07-Feb	14-Feb	7		0.67	0.66	1139	5.24	5.30	4.40	4.60	0.042	0.021	0.071	0.018	0.090	0.200	0.490	0.280	V	V	V	V	V	0
14-Feb	21-Feb	7		0.23	0.22	378	4.49	4.53	20.60	22.30	0.170	0.020	0.234	0.050	0.650	0.380	2.810	1.520	V	V	V	V	V	0
21-Feb	28-Feb	7		0.21	0.21	365	5.34	5.45	3.30	3.50	0.020	0.010	0.028	0.005	0.150	0.170	0.320	0.240	V	V	V	L	L	0
28-Feb	07-Mar	7		2.35	2.30	3961	4.90	5.01	7.10	7.50	0.150	0.010	0.029	0.020	0.120	0.290	0.580	0.520	V	V	V	V	V	0
07-Mar	14-Mar	7		1.59	1.63	2802	5.18	5.38	5.80	6.20	0.220	0.020	0.094	0.030	0.240	0.410	0.400	0.630	V	V	V	V	V	0
14-Mar	21-Mar	7		1.55	1.54	2656	4.89	4.88	7.60	8.80	0.130	0.020	0.070	0.030	0.130	0.370	0.570	0.660	V	V	V	V	V	0
21-Mar	28-Mar	7		1.70	1.68	2900	5.06	5.12	7.80	8.40	0.400	0.120	0.093	0.040	0.190	0.690	0.880	1.040	V	V	V	V	S	1
28-Mar	04-Apr	7		0.04	0.03	58		6.23		12.10	0.230	0.030	0.078	0.020	1.120	0.680	0.650	0.840	V	U		S	V	1
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7		0.57	0.61	1053	4.83	4.87	13.30	14.30	0.759	0.058	0.222	0.097	0.236	1.910	0.800	1.130	V	V	V	V	V	0
25-Apr	02-May	7		0.10	0.09	147	4.95	5.11	9.50	8.90	0.100	0.029	0.142	0.033	0.380	0.350	0.960	0.880	V	V	V	V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.01	0.01	21		4.93		30.30	.	.	0.549	.	0.704	4.160	2.720	2.450	S	U		M	M	1
16-May	23-May	7		0.03	0.02	36		5.21		15.60	0.790	0.050	0.480	0.110	0.300	1.580	1.410	1.860	V	U		V	V	0
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.07	0.07	127	4.86	4.88	15.20	15.00	0.600	0.060	0.317	0.100	0.440	0.610	1.650	1.130	V	V	V	V	V	0
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: NIPOMO SITE NUMBER: 4000834 BASIN: S.CENTRAL COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	19-Jul	8		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	Z	0.68	0.64	1110	5.69	5.70	9.70	9.50	0.750	0.040	0.098	0.080	0.450	1.250	0.310	0.770	V	V	V	V	V	0
15-Nov	22-Nov	7		0.10	0.09	157	4.75	5.06	23.80	25.40	2.420	0.090	0.098	0.250	0.560	3.540	0.640	2.170	V	V	V	V	V	0
22-Nov	28-Nov	6	L	---	0.99	1710	5.50	5.50	5.10	4.80	0.330	0.050	0.063	0.030	0.200	0.560	0.160	0.250	V	M	V	V	V	0
28-Nov	06-Dec	8		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		2.40	2.37	4094	4.50	4.56	23.30	24.50	1.280	0.070	0.166	0.140	0.290	1.990	2.150	1.240	V	V	V	V	V	0
20-Dec	27-Dec	7	L	3.90	3.79	6530	5.37	5.50	7.00	6.60	0.520	0.030	0.052	0.060	0.090	0.910	0.230	0.310	V	V	V	V	V	0
27-Dec	03-Jan	7		0.32	0.30	514	4.85	5.04	10.60	10.70	0.570	0.050	0.143	0.080	0.140	0.980	0.980	0.490	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: PASADENA SITE NUMBER: 7000088 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.02	0.02	28		5.73		42.70	0.990	0.050	2.110	0.130	2.360	0.630	7.570	2.100	S	U		S	V	2
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.03	0.03	55		3.42		262.60	3.560	0.300	1.600	0.520	6.520	2.810	14.520	13.060	V	U		S	V	1
20-Sep	27-Sep	7		0.10	0.11	183		4.38		62.00	2.020	0.150	1.570	0.360	2.400	2.300	8.340	6.580	V	V		V	V	0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	L	.	0.89	1530		4.52		16.90	0.080	0.010	0.062	0.010	0.180	0.150	1.190	1.240	V	M		L	L	0
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.75	0.76	1310		4.53		19.40	0.090	0.020	0.075	0.020	0.550	0.150	2.190	1.260	V	V		V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	L	.	2.65	4570		5.48		11.70	0.750	0.040	0.092	0.090	0.370	1.390	0.860	1.560	V	M		V	V	0
20-Dec	28-Dec	8	L	2.10	2.02	3480		4.69		13.40	0.140	0.020	0.091	0.020	0.220	0.240	1.380	0.570	V	V		V	V	0
22-Dec	29-Dec	7	L	.	.	.													M	M				0
28-Dec	03-Jan	6		0.07	0.06	100		5.52		13.80	0.430	0.260	0.281	0.040	0.970	0.620	2.040	0.740	V	V		S	V	1
03-Jan	09-Jan	6		0.83	0.73	1265		4.63		20.70	0.150	0.020	0.225	0.040	0.530	0.260	2.530	1.530	V	V		V	V	0
09-Jan	17-Jan	8		0.00	0.00	0																		
17-Jan	24-Jan	7		0.02	0.02	30		5.09		44.00	1.720	0.410	1.330	0.160	.	1.470	8.590	2.730	S	U		M	M	1
24-Jan	01-Feb	8		0.00	0.00	0																		
01-Feb	08-Feb	7		1.32	1.28	2200		5.40		8.60	0.190	0.030	0.083	0.030	0.500	0.350	0.880	0.750	V	V		V	V	0
08-Feb	15-Feb	7		0.83	0.83	1430		5.70		7.90	0.150	0.010	0.090	0.020	0.660	0.380	0.700	0.560	V	V		V	V	0
15-Feb	22-Feb	7		0.00	0.00	0																		
22-Feb	01-Mar	7		0.00	0.00	0																		
01-Mar	08-Mar	7		0.49	0.48	830		4.36		29.00	0.430	0.050	0.200	0.090	0.660	0.540	3.420	1.910	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	21-Mar	6		0.00	0.00	0																		
21-Mar	29-Mar	8		0.62	0.58	1000		4.92		9.40	0.160	0.060	0.131	0.030	0.210	0.240	1.080	0.420	V	V		V	V	0
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.01	0.00	8		5.65		372.00									S	U				1
12-Apr	19-Apr	7		0.00	0.00	0																		
19-Apr	26-Apr	7		0.00	0.00	0																		
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7	L	.	0.16	284		4.34		38.90	0.780	0.070	0.832	0.160	0.749	1.100	5.720	2.340	V	M		V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	06-Jun	6		0.02	0.01	17		3.50		185.90	.	.	2.173	.	3.290	1.150	20.900	6.620	S	U		M	M	1
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: QUINCY SITE NUMBER: 3200821 BASIN: MOUNTAIN COUNTIES YEAR: 1988/89

							--- pH ---		CONDUCTIVITY		---------- ION CONCENTRATIONS (lab) ----------								-------- FLAGS --------					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				----- inches -----		-- ml --			---- uS/cm ----		---------- mg/L ----------													
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	L,Z	0.55	0.53	909	5.20	5.25	6.30	4.10	0.060	0.030	0.080	0.020	0.080	0.170	0.380	0.190	V	V	V	V	V	0
07-Feb	14-Feb	7	L,Z	0.16	0.15	265	4.74	4.93	15.70	18.30	0.960	1.180	0.329	0.080	0.590	1.380	1.430	0.410	V	V	V	S	V	1
14-Feb	21-Feb	7		0.25	0.11	184	4.85	5.10	11.20	7.80	0.070	0.070	0.168	0.030	0.280	0.180	1.330	0.340	V	S	V	V	V	1
21-Feb	02-Mar	9	Z	3.27	3.39	5843		5.33		3.30	0.020	0.010	0.038	0.005	0.050	0.110	0.370	0.160	V	V		L	L	0
02-Mar	07-Mar	5	Z	2.05	1.84	3165	5.07	5.22	4.90	3.60	0.080	0.080	0.066	0.006	0.010	0.110	0.290	0.200	V	V	V	V	V	0
07-Mar	14-Mar	7	L	.	7.80	13443	5.22	5.31	5.00	3.90	0.030	0.020	0.092	0.010	0.080	0.250	0.460	0.280	V	M	V	L	L	0
14-Mar	21-Mar	7		1.61	1.58	2722	5.26	5.27	6.90	6.30	0.100	0.030	0.091	0.020	0.310	0.200	1.130	0.390	V	V	V	V	V	0
21-Mar	28-Mar	7		2.85	1.24	2133	5.48	5.64	3.00	2.50	0.020	0.010	0.056	0.009	0.047	0.070	0.280	0.180	V	S	V	L	L	1
28-Mar	04-Apr	7	L	.	0.30	520	5.36	5.36	3.20	2.90	0.010	0.010	0.050	0.010	0.088	0.230	0.280	0.270	V	M	V	L	L	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	Z	1.65	1.75	3020	5.24	5.45	4.60	4.00	0.078	0.198	0.094	0.021	0.112	0.080	0.430	0.310	V	V	V	V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	10-May	8	L	0.15	0.11	186	4.82	5.08	10.60	8.00	0.080	0.070	0.218	0.040	0.262	0.390	1.020	0.500	V	V	V	V	V	0
10-May	19-May	9	Z	0.45	0.39	670	5.38	5.16	8.70	9.40	0.140	0.060	0.210	0.060	0.390	0.330	1.300	1.010	V	V	V	V	V	0
19-May	23-May	4	L	.	1.07	1850	5.47	5.58	3.40	3.10	0.020	0.020	0.052	0.010	0.030	0.360	0.440	0.340	V	M	V	L	L	0
23-May	30-May	7		0.92	0.81	1400	5.12	5.12	8.40	8.80	0.130	0.030	0.166	0.040	0.460	0.350	1.050	0.830	V	V	V	V	V	0
30-May	06-Jun	7	E,Z	0.70	0.86	1480	5.66	5.90	12.20	19.10	0.560	0.100	0.152	0.060	1.760	0.520	0.450	0.960	V	V	V	S	V	1
06-Jun	13-Jun	7		0.53	0.47	815	5.09	5.03	6.40	6.50	0.050	0.040	0.110	0.020	0.220	0.380	0.700	0.440	V	V	V	V	V	0
13-Jun	20-Jun	7	G	0.05	0.02	33		5.10		11.90	0.228	0.220	.	0.083	0.260	0.420	1.840	0.690	S	U		M	M	1
20-Jun	28-Jun	8		0.00	0.00	0																		
28-Jun	04-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: RESEDA SITE NUMBER: 7000074 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	27-Jul	8		0.00	0.00	0																		
27-Jul	03-Aug	7		0.00	0.00	0																		
03-Aug	10-Aug	7		0.00	0.00	0																		
10-Aug	17-Aug	7		0.00	0.00	0																		
17-Aug	24-Aug	7		0.35	0.34	586		4.63		18.30	0.090	0.080	0.047	0.020	0.580	0.150	1.990	0.880	V	V		V	V	0
24-Aug	31-Aug	7		0.00	0.00	0																		
31-Aug	07-Sep	7		0.00	0.00	0																		
07-Sep	14-Sep	7		0.00	0.00	0																		
14-Sep	21-Sep	7		0.05	0.05	89		4.06		51.90	0.340	0.050	0.229	0.050	1.100	0.690	4.680	2.620	V	U		V	V	0
21-Sep	28-Sep	7		0.00	0.00	0																		
28-Sep	05-Oct	7		0.00	0.00	0																		
05-Oct	12-Oct	7		0.00	0.00	0																		
12-Oct	19-Oct	7		0.00	0.00	0																		
19-Oct	26-Oct	7		0.00	0.00	0																		
26-Oct	02-Nov	7		0.00	0.00	0																		
02-Nov	09-Nov	7		0.00	0.00	0																		
09-Nov	16-Nov	7		0.17	0.22	375		5.13		8.60	0.080	0.020	0.118	0.010	0.440	0.120	1.230	0.580	V	V		L	L	0
16-Nov	23-Nov	7		0.00	0.00	0																		
23-Nov	30-Nov	7	Z	0.42	0.38	655		5.14		13.40	0.210	0.030	0.137	0.040	0.890	0.430	2.080	1.340	V	V		V	V	0
30-Nov	07-Dec	7		0.00	0.00	0																		
07-Dec	14-Dec	7		0.00	0.00	0																		
14-Dec	21-Dec	7		2.95	2.80	4820		4.78		21.10	1.260	0.060	0.157	0.150	0.440	2.040	1.330	1.370	V	V		V	V	0
21-Dec	28-Dec	7		1.10	1.06	1820		4.71		13.30	0.150	0.010	0.046	0.020	0.240	0.290	1.210	0.580	V	V		V	V	0
28-Dec	03-Jan	6		0.25	0.22	385		4.24		38.30	0.340	0.040	0.155	0.050	0.670	0.370	5.420	1.150	V	V		V	V	0
03-Jan	10-Jan	7		0.27	0.28	485		4.51		28.10	0.360	0.040	0.329	0.080	0.720	0.680	3.750	1.880	V	V		V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.07	0.06	107		4.23		65.60	0.850	0.120	0.628	0.140	3.340	1.450	11.420	4.120	V	V		V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.49	0.44	760		5.39		8.40	0.420	0.120	0.091	0.020	0.390	0.470	0.660	0.520	V	V		V	V	0
07-Feb	14-Feb	7	E	1.50	1.46	2515		5.35		6.70	0.080	0.010	0.102	0.030	0.260	0.180	0.810	0.470	V	V		V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.36	0.32	550		4.26		33.30	0.390	0.020	0.241	0.090	0.430	0.530	3.030	1.960	V	V		V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.28	0.27	465		4.91		9.10	0.110	0.110	0.116	0.030	0.210	0.150	0.840	0.590	V	V		V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7		0.00	0.00	0																		
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.03	0.03	57		4.09		62.80	1.610	0.149	1.340	0.260	1.480	1.720	7.320	4.210	V	U		V	V	0
09-May	16-May	7		0.01	.	.													M	M				0
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SACRAMENTO P SITE NUMBER: 3400282 BASIN: SACRAMENTO VALLEY YEAR: 1988/89

							pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches		ml			uS/cm		mg/L													
06-Jul	12-Jul	6		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	10-Aug	8		0.00	0.00	0																		
10-Aug	17-Aug	7		0.00	0.00	0																		
17-Aug	24-Aug	7		0.00	0.00	0																		
24-Aug	30-Aug	6		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.24	0.22	385	5.20	5.33	7.70	7.90	0.120	0.080	0.244	0.030	0.020	0.260	0.960	0.730	V	V	V	V	V	0
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.33	0.29	505	6.10	5.93	12.80	12.50	0.320	0.060	0.155	0.040	1.030	0.690	1.180	1.490	V	V	V	V	V	0
15-Nov	22-Nov	7		0.43	0.40	689	6.40	6.29	13.60	13.40	0.250	0.050	0.121	0.040	1.310	0.480	1.750	0.950	V	V	V	V	V	0
22-Nov	29-Nov	7		1.17	1.14	1962	6.21	6.30	5.80	5.20	0.080	0.020	0.056	0.010	0.610	0.200	0.410	0.260	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SACRAMENTO T SITE NUMBER: 3400305 BASIN: SACRAMENTO VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
16-Dec	20-Dec	4		0.80	0.80	1374	4.93	5.07	12.80	11.00	0.230	0.080	0.082	0.030	0.500	0.350	1.440	0.960	V	V	V	V	V	0
20-Dec	27-Dec	7		1.72	1.71	2949	5.92	5.89	7.60	8.40	0.580	0.068	0.085	0.050	0.550	0.740	0.730	0.540	V	V	V	S	V	1
27-Dec	03-Jan	7		0.42	0.36	625	5.17	5.18	16.80	15.40	0.600	0.160	0.156	0.070	0.780	1.060	2.240	1.110	V	V	V	V	V	0
03-Jan	10-Jan	7		0.45	0.52	905	5.48	5.75	12.00	11.60	0.270	0.040	0.096	0.030	0.710	0.590	2.110	0.920	V	V	V	V	V	0
10-Jan	17-Jan	7		0.02	0.02	30		5.40		35.00	0.770	0.340	0.590	0.120	2.740	3.620	6.180	4.470	S	U		V	S	2
17-Jan	24-Jan	7		0.15	0.08	143	4.59	4.54	20.50	20.90	0.060	0.050	0.139	0.020	0.790	0.200	3.920	0.580	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	Z	0.35	0.40	692	4.80	5.00	12.20	11.00	0.140	0.030	0.099	0.030	0.390	0.260	1.220	0.880	V	V	S	V	V	1
07-Feb	14-Feb	7		0.78	0.75	1286	5.51	5.54	6.20	5.30	0.040	0.020	0.058	0.020	0.390	0.170	0.630	0.450	V	V	V	V	V	0
14-Feb	21-Feb	7		0.16	0.16	269	5.53	5.81	19.00	18.00	0.080	0.021	0.181	0.030	1.870	0.240	3.600	1.600	V	V	V	V	V	0
21-Feb	28-Feb	7		0.01	0.00	7		5.46		22.40									S	U				1
28-Feb	07-Mar	7	L	1.62	1.53	2641	5.70	5.70	7.60	6.80	0.170	0.090	0.046	0.011	0.560	0.190	1.100	0.600	V	V	V	V	V	0
07-Mar	14-Mar	7		1.67	1.70	2926	6.31	6.04	6.70	7.00	0.060	0.040	0.110	0.020	0.680	0.240	0.630	0.740	V	V	V	V	V	0
14-Mar	21-Mar	7		1.05	1.08	1866	5.76	5.56	6.90	7.20	0.170	0.070	0.115	0.030	0.510	0.270	1.080	0.600	V	V	V	V	V	0
21-Mar	28-Mar	7		1.90	1.98	3419	5.97	5.68	8.80	8.40	0.080	0.020	0.049	0.020	0.733	0.340	1.070	0.700	V	V	V	V	V	0
28-Mar	04-Apr	7		0.05	0.02	37		5.88		11.30	0.250	0.070	0.460	0.050	0.830	0.710	0.910	0.880	V	U		S	V	1
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	B,E	0.14	.	.													M	M				0
25-Apr	02-May	7		0.15	0.14	247	5.14	5.15	6.60	6.00	0.051	0.023	0.101	0.035	0.217	0.270	0.550	0.610	V	V	V	V	V	0
02-May	09-May	7	G	0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.04	0.05	79		5.56		5.90	0.130	0.040	0.233	0.040	0.140	0.540	0.760	0.690	V	U		V	V	0
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7	K	0.23	0.20	353	4.70	5.14	15.80	8.50	0.230	0.030	0.199	0.040	0.430	0.370	1.090	0.780	V	V	V	V	V	0
06-Jun	13-Jun	7		0.05	0.05	93		5.28		19.00	0.360	0.120	0.497	0.110	1.420	1.060	3.490	1.540	V	U		V	V	0
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SALINAS SITE NUMBER: 2700544 BASIN: N.CENTRAL COAST YEAR: 1988/89

							--- pH ---		CONDUCTIVITY		---------- ION CONCENTRATIONS (lab) ----------								-------- FLAGS --------					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				----- inches -----		-- ml --			---- uS/cm ----		---------- mg/L ----------													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	27-Jul	8		0.00	0.00	0																		
27-Jul	02-Aug	6		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	05-Oct	8		0.00	0.00	0																		
05-Oct	11-Oct	6		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.06	0.06	98		5.98		13.60	0.760	0.050	0.161	0.100	0.780	1.310	1.680	1.040	V	V		V	V	0
08-Nov	15-Nov	7		0.41	0.40	698	5.45	5.65	12.70	12.70	1.350	0.050	0.168	0.150	0.200	2.240	0.450	0.710	V	V	V	V	V	0
15-Nov	22-Nov	7		0.32	0.38	655	5.59	5.58	7.00	6.80	0.390	0.030	0.048	0.040	0.460	0.680	0.420	0.490	V	V	V	V	V	0
22-Nov	29-Nov	7		0.55	0.52	900	6.00	5.87	7.20	7.30	0.470	0.020	0.078	0.040	0.280	1.020	0.230	0.380	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.31	0.35	597	5.13	5.50	11.10	10.60	0.580	0.004	0.122	0.040	0.400	0.930	1.310	0.780	V	V	V	V	V	0
20-Dec	27-Dec	7		1.58	1.72	2960	5.36	5.55	7.70	7.70	0.660	0.030	0.077	0.060	0.100	1.220	0.150	0.370	V	V	V	V	V	0
27-Dec	03-Jan	7		0.42	0.41	710	5.20	5.30	15.80	16.00	1.600	0.060	0.126	0.130	0.200	3.050	0.550	0.790	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN BERNARDINO SITE NUMBER: 3600194 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.02	0.01	19		3.54		354.10	2.300	0.550	8.590	0.600	9.200	2.090	11.300	24.190	S	U		S	V	2
20-Sep	26-Sep	6		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	12-Oct	9		0.00	0.00	0																		
12-Oct	17-Oct	5		0.00	0.00	0																		
17-Oct	24-Oct	7		0.00	0.00	0																		
24-Oct	31-Oct	7		0.00	0.00	0																		
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7	E	0.16	0.15	250		6.37		34.70	0.340	0.300	1.664	0.140	1.730	0.900	5.530	1.670	V	V		V	V	0
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.20	0.20	345		6.03		20.80	0.160	0.050	0.730	0.040	1.970	0.340	3.140	2.030	V	V		S	V	1
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		1.32	1.34	2310		5.69		9.90	0.210	0.030	0.214	0.040	0.620	0.320	1.490	1.120	V	V		V	V	0
19-Dec	27-Dec	8		2.43	2.44	4200		5.87		6.50	0.080	0.010	0.059	0.010	0.640	0.170	1.100	0.370	V	V		L	L	0
27-Dec	04-Jan	8		0.82	0.84	1440		5.58		8.30	0.060	0.040	0.130	0.020	0.720	0.170	1.230	0.810	V	V		V	V	0
04-Jan	11-Jan	7		0.15	0.15	255		5.73		22.70	0.380	0.040	0.303	0.080	1.520	0.520	4.910	1.930	V	V		V	V	0
11-Jan	18-Jan	7		0.00	0.00	0																		
18-Jan	25-Jan	7		0.00	0.00	0																		
25-Jan	01-Feb	7		0.00	0.00	0																		
01-Feb	08-Feb	7	Z	2.57	2.38	4110		6.10		6.30	0.040	0.050	0.114	0.008	0.590	0.110	0.640	0.530	V	V		V	V	0
08-Feb	15-Feb	7		0.55	0.57	988		5.27		5.50	0.064	0.008	0.079	0.018	0.190	0.150	0.550	0.400	V	V		V	V	0
15-Feb	22-Feb	7		0.00	0.00	0																		
22-Feb	01-Mar	7		0.00	0.00	0																		
01-Mar	08-Mar	7	E	0.48	0.44	760		6.24		28.70	0.340	0.040	0.315	0.050	3.080	0.560	6.140	2.270	V	V		V	V	0
08-Mar	15-Mar	7		0.00	0.00	0																		
15-Mar	22-Mar	7		0.00	0.00	0																		
22-Mar	29-Mar	7	E	0.85	0.81	1390		5.80		6.80	0.160	0.060	0.068	0.020	0.520	0.260	0.990	0.490	V	V		V	V	0
29-Mar	05-Apr	7		0.00	0.00	0																		
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.00	0.00	0																		
19-Apr	26-Apr	7		0.11	0.11	191		5.76		28.90	0.499	0.068	1.415	0.137	1.720	1.420	5.060	2.300	V	V		V	V	0
26-Apr	03-May	7		0.00	0.00	0																		
03-May	10-May	7		0.00	0.00	0																		
10-May	17-May	7	E	0.22	0.18	310		5.55		33.20	0.570	0.120	0.640	0.110	2.400	1.320	5.090	2.150	V	V		V	V	0
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		0.00	0.00	0																		
07-Jun	14-Jun	7		0.00	0.00	0																		
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN JOSE | SITE NUMBER: 4300382 | BASIN: S.F. BAY AREA | YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.03	0.02	40		5.56		9.60	0.170	0.020	0.370	0.050	0.520	0.460	1.860	1.890	V	U		S	S	2
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.02	0.02	38		6.35		14.20	0.190	0.040	0.254	0.060	1.250	0.800	1.640	1.340	V	U		V	V	0
08-Nov	15-Nov	7		0.35	0.33	577	5.30	5.71	20.70	21.00	2.420	0.100	0.331	0.270	0.250	3.850	0.620	1.090	V	V	V	V	V	0
15-Nov	22-Nov	7		0.15	0.14	234	5.70	5.72	9.50	9.60	0.320	0.030	0.087	0.050	0.720	0.890	0.470	1.140	V	V	V	V	V	0
22-Nov	29-Nov	7		0.88	0.87	1501	5.26	5.68	8.20	9.60	0.670	0.030	0.090	0.080	0.240	1.350	0.180	0.410	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	L	0.01	0.01	15		5.11		28.40	2.120	0.200	0.557	0.140	.	1.200	2.540	3.280	S	U		M	M	1
20-Dec	27-Dec	7		1.47	1.42	2442	5.37	5.51	11.40	11.40	1.040	0.050	0.096	0.120	0.200	1.820	0.260	0.640	V	V	V	V	V	0
27-Dec	03-Jan	7		0.53	0.53	918	5.33	5.31	16.40	16.10	1.620	0.060	0.163	0.150	0.260	3.010	0.440	0.910	V	V	V	V	V	0
03-Jan	10-Jan	7		0.69	0.66	1145	5.36	5.33	7.10	6.60	0.340	0.030	0.102	0.040	0.180	0.700	0.300	0.410	V	V	V	V	V	0
10-Jan	17-Jan	7		0.03	0.03	45		5.29		9.10	0.180	0.030	0.230	0.050	0.490	0.760	1.230	0.900	V	U		V	V	0
17-Jan	24-Jan	7		0.34	0.32	558	5.50	5.50	5.00	4.20	0.090	0.080	0.065	0.010	0.200	0.170	0.370	0.390	V	V	V	L	L	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.40	0.39	680	5.39	5.36	8.40	7.90	0.240	0.040	0.166	0.030	0.330	0.550	0.540	0.740	V	V	V	V	V	0
07-Feb	14-Feb	7		0.56	0.52	903	5.71	5.76	5.90	5.50	0.050	0.020	0.069	0.020	0.430	0.190	0.360	0.630	V	V	V	V	V	0
14-Feb	21-Feb	7		0.01	0.02	27		5.53		5.50	0.090	0.020	0.210	0.020	0.270	0.500	0.920	1.820	S	U		S	S	3
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.33	0.30	525	5.93	5.65	18.30	18.20	1.770	0.090	0.209	0.150	0.550	2.480	0.780	1.200	V	V	V	V	V	0
07-Mar	14-Mar	7		0.65	0.63	1081	5.70	5.67	4.90	4.40	0.080	0.030	0.088	0.020	0.260	0.240	0.390	0.590	V	V	V	V	V	0
14-Mar	21-Mar	7		0.40	0.40	685	5.82	5.57	5.70	5.30	0.220	0.030	0.085	0.030	0.280	0.400	0.430	0.460	V	V	V	V	V	0
21-Mar	28-Mar	7		0.22	0.21	365	5.49	5.54	8.40	7.90	0.650	0.120	0.106	0.060	0.180	1.030	0.310	0.450	V	V	V	V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7		0.34	0.35	604	5.69	5.51	10.50	10.10	0.656	0.069	0.223	0.082	0.340	1.360	0.570	0.870	V	V	V	V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.11	0.10	165	5.45	5.78	8.40	7.00	0.230	0.030	0.206	0.050	0.210	0.480	0.810	0.710	V	V	V	V	V	0
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN NICOLAS ISL SITE NUMBER: 5600432 BASIN: S.CENTRAL COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		.	0.01	14													S	M				1
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.22	0.17	300		5.64		14.90	1.740	0.070	0.153	0.180	0.210	2.890	0.920	1.640	V	V		V	S	1
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7	L	0.05	0.05	79		6.15		168.00	21.130	1.120	2.805	2.580	0.780	38.320	2.530	6.930	V	U		V	V	0
29-Nov	05-Dec	6		0.00	0.00	0																		
05-Dec	13-Dec	8		0.00	0.00	0																		
13-Dec	21-Dec	8		0.40	0.38	660		5.25		17.00	1.730	0.120	0.231	0.210	0.230	2.800	0.850	0.830	V	V		V	V	0
21-Dec	27-Dec	6		0.13	0.12	210		5.57		41.70	5.440	0.240	0.390	0.610	0.190	9.580	0.430	1.690	V	V		V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN RAFAEL SITE NUMBER: 2100451 BASIN: S.F. BAY AREA YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7	Z	0.40	0.38	654		4.93	13.50	11.60	0.300	0.030	0.215	0.050	0.220	0.520	1.010	0.950	V	V		V	V	0
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.10	0.09	150	5.64	5.66	17.70	17.00	1.540	0.090	0.244	0.190	0.420	2.480	0.620	1.470	V	V	V	V	V	0
08-Nov	15-Nov	7		1.35	1.35	2326	5.32	5.45	11.10	10.80	1.290	0.040	0.210	0.120	0.080	1.780	0.250	0.680	V	V	V	V	V	0
15-Nov	22-Nov	7	Z	1.05	1.10	1890	4.97		11.10		.	.	.	.	.	.	.	.	V	V		M	M	0
22-Nov	29-Nov	7		1.86	1.92	3304	5.17	5.25	9.80	10.40	0.810	0.030	0.070	0.100	0.150	1.600	0.310	0.580	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.62	0.64	1098	5.15	5.05	18.30	17.60	1.460	0.060	0.145	0.140	0.360	1.760	1.070	1.440	V	V	V	V	V	0
20-Dec	27-Dec	7		3.80	3.87	6675	5.35	5.22	16.20	14.70	1.610	0.080	0.092	0.180	0.090	2.720	0.280	0.690	V	V	V	V	V	0
27-Dec	03-Jan	7		0.60	0.61	1059	4.84	5.05	21.00	20.50	2.020	0.070	0.169	0.210	0.210	3.530	0.620	1.140	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SANTA BARBARA SITE NUMBER: 4200379 BASIN: S.CENTRAL COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	Z	0.03	0.02	30		4.06		75.10	1.600	0.500	0.890	0.230	1.770	1.600	6.670	4.220	S	U		S	V	2
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7	G,Z	0.01	0.01	18		4.49		27.40	.	.	.	.	0.110	0.730	4.480	1.650	S	U		M	M	1
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	L,Z	0.25	0.25	425	4.53	4.61	17.30	18.00	0.460	0.040	0.107	0.100	0.270	0.680	2.110	0.860	V	V	V	V	V	0
15-Nov	22-Nov	7		.	.	.													M	M				0
22-Nov	29-Nov	7	L,Z	0.83	0.80	1380	5.25	5.59	3.50	3.80	0.060	0.010	0.030	0.010	0.220	0.170	0.350	0.240	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		2.63	2.70	4650	4.57	4.77	20.20	21.40	1.460	0.070	0.158	0.160	0.310	2.320	1.400	1.110	V	V	V	V	V	0
20-Dec	27-Dec	7		1.75	1.64	2820	4.83	4.95	7.80	8.80	0.191	0.016	0.046	0.030	0.050	0.360	0.840	0.280	V	V	V	V	V	0
27-Dec	03-Jan	7		0.13	0.11	186	4.19	4.25	31.50	33.20	0.490	0.040	0.235	0.140	0.170	0.880	4.880	0.690	V	V	V	V	V	0
03-Jan	10-Jan	7		0.23	0.22	380	4.16	4.21	35.80	38.80	0.550	0.040	0.180	0.080	0.390	0.700	4.980	1.580	V	V	V	V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.10	0.07	128	4.40	4.40	26.60	27.70	0.670	0.030	0.394	0.120	0.430	1.070	3.680	1.300	V	V	V	V	V	0
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		0.90	0.85	1470	5.21	5.28	4.40	4.50	0.240	0.030	0.052	0.030	0.040	0.450	0.180	0.290	V	V	V	V	V	0
07-Feb	14-Feb	7		1.85	1.69	2910	5.16	5.25	5.00	4.90	0.480	0.141	0.083	0.030	0.090	0.560	0.250	0.270	V	V	V	V	S	1
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7	E,Z	0.53	0.47	815		4.54	15.60	17.10	0.280	0.020	0.097	0.040	0.250	0.370	1.830	0.980	V	V		V	V	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.15	0.11	190	4.98	5.07	11.20	11.80	0.360	0.050	0.207	0.060	0.400	0.450	1.720	0.860	V	V	V	V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	26-Apr	8		0.20	0.21	356	4.98	5.18	12.50	12.60	1.340	0.076	0.143	0.131	0.059	1.990	0.540	0.960	V	V	V	V	V	0
26-Apr	02-May	6		0.00	0.00	0																		
02-May	10-May	8	Z	0.24	0.23	400	4.56	4.61	18.00	18.40	0.325	0.090	0.303	0.069	0.475	0.520	2.480	0.900	V	V	V	V	V	0
10-May	16-May	6		0.00	0.00	0																		
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA ASH MTN SITE NUMBER: 5400570 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.07	0.06	112	4.83	4.86	27.30	28.10	0.010	0.060	0.320	0.050	1.210	0.140	2.480	1.470	V	V	V	S	S	2
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.18	0.19	335	5.14	5.04	17.90	19.40	0.080	0.100	0.274	0.040	1.490	0.210	0.360	1.820	V	V	V	S	V	1
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.08	0.07	124	5.48	5.39	18.20	17.60	0.220	0.160	0.673	0.080	1.140	0.400	3.920	1.680	V	V	V	V	V	0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	16-Nov	8		1.75	1.96	3375	5.24	5.35	5.00	5.10	0.150	0.020	0.175	0.020	0.180	0.250	0.510	0.290	V	V	V	V	V	0
16-Nov	22-Nov	6		0.38	0.39	673	5.56	5.68	13.00	13.40	0.750	0.080	0.300	0.080	0.930	1.420	1.900	0.770	V	V	V	V	V	0
22-Nov	29-Nov	7	Z	1.35	1.38	2383	5.25	5.41	2.50	2.80	0.010	0.020	0.037	0.004	0.080	0.060	0.260	0.260	V	V	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	Z	0.11	0.10	174	5.40	5.35	21.50	23.60	0.720	0.100	0.643	0.060	1.660	0.340	6.290	1.790	V	V	V	V	V	0
20-Dec	28-Dec	8	Z	3.20	3.25	5602	5.14	5.24	4.30	4.30	0.140	0.004	0.142	0.040	0.050	0.340	0.320	0.180	V	V	V	V	V	0
28-Dec	03-Jan	6		0.08	0.09	157	4.83	5.00	9.10	7.30	0.080	0.020	0.308	0.070	0.050	0.170	0.910	0.210	V	V	V	V	V	0
03-Jan	10-Jan	7		0.57	0.57	980	4.90	5.05	7.20	5.60	0.040	0.080	0.191	0.040	0.040	0.120	0.390	0.340	V	V	V	V	V	0
10-Jan	17-Jan	7		0.04	0.03	56		4.50		46.20	0.090	0.050	0.407	0.110	3.720	0.170	9.600	2.240	V	U		V	V	0
17-Jan	25-Jan	8	A,Z	0.03	0.01	19		5.88		29.00									S	U				1
25-Jan	31-Jan	6		0.00	0.00	0																		
31-Jan	07-Feb	7	Z	1.50	1.60	2752	5.32	5.32	5.50	4.70	0.030	0.006	0.040	0.008	0.290	0.130	0.780	0.260	V	V	V	V	V	0
07-Feb	14-Feb	7	Z	0.85	0.83	1427	5.77	5.76	9.70	9.30	0.040	0.020	0.054	0.009	0.800	0.150	2.100	0.430	V	V	V	V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7	D	.	0.01	9													S	M				1
28-Feb	07-Mar	7		2.00	2.08	3587	5.17	5.53	3.70	3.90	0.130	0.010	0.070	0.020	0.120	0.280	0.570	0.610	V	V	V	V	S	1
07-Mar	14-Mar	7		0.07	0.03	45	5.22	5.23	5.20	5.20	0.050	0.030	0.137	0.020	0.060	0.170	0.690	0.350	V	S	V	V	V	1
14-Mar	21-Mar	7		0.20	0.23	399	6.21	5.88	9.50	9.30	0.200	0.060	0.171	0.030	0.690	0.190	1.550	0.970	V	V	V	V	V	0
21-Mar	28-Mar	7		1.10	1.13	1948	5.52	5.55	4.10	3.70	0.100	0.160	0.070	0.020	0.080	0.160	0.570	0.350	V	V	V	V	V	0
28-Mar	04-Apr	7	G	0.05	0.04	69		5.88		30.90	0.690	0.700	0.540	0.100	2.660	1.630	6.670	1.920	V	U		V	V	0
04-Apr	12-Apr	8		0.00	0.00	0																		
12-Apr	18-Apr	6		0.00	0.00	0																		
18-Apr	25-Apr	7		0.12	0.11	185	6.01	5.72	14.90	16.80	0.679	0.124	0.331	0.095	1.080	1.310	1.560	1.430	V	V	V	V	V	0
25-Apr	02-May	7		1.38	1.30	2242	6.49	6.04	7.50	7.00	0.057	0.029	0.079	0.015	0.635	0.290	0.920	0.590	V	V	V	V	V	0
02-May	09-May	7	Z	0.01	0.02	30													S	U				1
09-May	16-May	7		1.33	1.36	2338	6.22	6.22	12.10	11.40	0.170	0.030	0.128	0.040	0.870	0.500	0.860	0.350	V	V	V	S	V	1
16-May	24-May	8		0.00	0.00	0																		
24-May	30-May	6		0.00	0.00	0																		
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	04-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA EMERALD SITE NUMBER: 5400575 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7	G	0.03	0.03	48		5.35		14.10	0.220	0.160	0.490	0.060	0.730	0.190	1.750	1.050	V	U		S	V	1
19-Jul	26-Jul	7	L	0.60	0.57	984	4.83	5.09	15.60	13.80	0.080	0.040	0.314	0.030	1.620	0.140	1.600	1.100	V	V	V	S	V	1
26-Jul	01-Aug	6		0.08	0.10	168	5.07	5.02	16.30	20.40	0.140	0.120	0.336	0.040	1.570	2.910	3.060	1.850	V	V	V	S	S	2
01-Aug	09-Aug	8	G	0.01	0.01	21		4.56		25.00	0.680	0.370	0.324	0.120	0.540	0.330	3.330	1.030	S	U		S	V	2
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7	L	.	2.12	3650	5.07	5.02	7.00	8.80	0.040	0.030	0.068	0.008	0.380	0.060	1.060	0.630	V	M	V	V	V	0
30-Aug	06-Sep	7		.	.	.													M	M				0
06-Sep	12-Sep	6	B	.	.	.													M	M				0
12-Sep	20-Sep	8		0.00	0.00	0																		
20-Sep	27-Sep	7		0.29	0.27	466	5.25	5.30	4.00	4.40	0.040	0.040	0.260	0.010	0.120	0.100	0.600	0.290	V	V	V	L	L	0
27-Sep	04-Oct	7		0.00	0.00	0																		
18-May	30-May	12		0.00	0.00	0																		
30-May	06-Jun	7	L	0.10	0.10	170	5.12	5.41	11.80	15.50	0.340	0.120	0.428	0.080	1.010	0.530	2.170	2.090	V	V	V	V	V	0
06-Jun	13-Jun	7	L	0.09	0.09	154	4.54	4.90	11.50	18.00	0.190	0.110	0.461	0.080	1.040	0.280	3.180	1.600	V	V	S	V	V	1
13-Jun	21-Jun	8		0.00	0.00	0																		
21-Jun	28-Jun	7	L,Z	0.10	0.08	146	5.60	5.42	37.00	36.60	1.015	0.409	0.665	0.144	2.570	1.420	8.270	3.620	V	V	V	V	V	0
28-Jun	04-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA GF SITE NUMBER: 5400571 BASIN: SAN JOAQUIN VALLEY YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.12	0.13	219	4.98	5.01	24.60	24.70	0.180	0.180	0.710	0.100	1.620	0.220	4.400	1.790	V	V	V	S	V	1
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.28	0.28	483	5.06	4.95	10.90	11.20	0.050	0.030	0.138	0.020	0.450	0.100	1.770	0.770	V	V	V	V	V	0
30-Aug	06-Sep	7		0.12	0.13	217	5.28	5.10	13.80	14.40	0.120	0.180	0.216	0.060	0.890	0.180	2.720	1.310	V	V	V	V	V	0
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.20	0.17	300	5.61	5.54	10.90	10.90	0.120	0.080	0.226	0.030	0.730	0.220	2.040	0.920	V	V	V	V	V	0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7	L,Z	2.05	1.93	3332	5.16	5.38	3.00	3.00	0.020	0.010	0.059	0.010	0.050	0.100	0.120	0.200	V	V	V	L	L	0
15-Nov	22-Nov	7	B,Z	0.85	---	---	5.12	5.31	4.20	4.30	0.020	0.020	0.061	0.010	0.170	0.100	0.650	0.290	M	M	V	L	L	0
22-Nov	29-Nov	7	Z	2.69	---	---	5.27	5.46	2.10	2.10	0.004	0.006	0.024	0.003	0.060	0.005	0.100	0.300	M	M	V	V	V	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	Z	0.33	0.31	529	4.86	5.01	11.30	10.90	0.050	0.020	0.061	0.010	0.560	0.140	1.950	0.480	V	V	V	L	L	0
20-Dec	27-Dec	7	B,Z	5.90	---	---	5.09	5.38	2.60	2.90	0.038	0.009	0.045	0.018	0.038	0.060	0.180	0.080	M	M	V	V	V	0
27-Dec	03-Jan	7	B,Z	0.63	---	---	5.19	5.12	3.30	3.80	0.070	0.040	0.056	0.020	0.020	0.200	0.380	0.100	M	M	V	V	S	1
03-Jan	10-Jan	7	B,Z	1.10	.	.													M	M				0
10-Jan	17-Jan	7		.	.	.													M	M				0
17-Jan	24-Jan	7		.	.	.													M	M				0
24-Jan	31-Jan	7		.	.	.													M	M				0
31-Jan	07-Feb	7	B,Z	2.59	---	---	5.20	5.43	4.80	4.30	0.030	0.020	0.036	0.010	0.210	0.120	0.680	0.250	M	M	V	L	L	0
07-Feb	14-Feb	7	Z	1.45	1.38	2372	5.31	5.41	2.40	2.70	0.040	0.020	0.034	0.006	0.060	0.120	0.160	0.160	V	V	V	V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7	F	0.02	0.01	25		4.90		10.00	0.110	0.180	0.100	0.005	0.010	0.260	0.900	0.390	S	U		V	V	1
28-Feb	07-Mar	7	Z	3.87	3.17	5473	5.21	5.45	2.10	2.80	0.040	0.020	0.014	0.004	0.030	0.140	0.220	0.100	V	V	V	V	V	0
07-Mar	14-Mar	7		0.43	0.39	668	5.27	5.29	3.10	3.30	0.030	0.020	0.072	0.009	0.010	0.120	0.260	0.220	V	V	V	V	V	0
14-Mar	21-Mar	7	Z	0.33	0.26	449	5.21	5.20	7.70	7.80	0.070	0.020	0.080	0.020	0.390	0.150	1.280	0.580	V	V	V	V	V	0
21-Mar	28-Mar	7	Z	1.44	1.26	2173	5.41	5.26	2.60	3.00	0.020	0.010	0.034	0.008	0.070	0.110	0.260	0.150	V	V	V	L	L	0
28-Mar	04-Apr	7	G	0.01	0.01	19		5.45		9.10	0.230	0.060	0.250	0.030	0.358	0.490	2.560	0.890	S	U		S	V	2
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	Z	0.70	0.57	985	5.67	5.43	6.50	6.70	0.301	0.073	0.164	0.034	0.310	0.310	0.540	0.680	V	V	V	V	V	0
25-Apr	02-May	7	Z	0.65	0.62	1067	6.04	6.16	3.50	3.50	0.030	0.013	0.052	0.007	0.246	0.350	0.410	0.240	V	V	V	V	V	0
02-May	09-May	7	Z	0.01	0.01	22					.	.	0.131	.	.	.	.	.	S	U		M	M	1
09-May	16-May	7		2.06	1.93	3333	5.45	5.50	7.50	7.50	0.130	0.020	0.133	0.030	0.480	0.460	1.230	0.690	V	V	V	V	V	0
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7	E	0.03	0.04	73		5.21		28.30	0.510	0.450	0.906	0.150	1.750	0.720	4.740	3.880	V	U		V	V	0
06-Jun	13-Jun	7	G	.	0.01	19		4.73		21.10	.	.	.	.	0.690	0.480	2.640	1.560	S	M		M	M	1
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	04-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SODA SPRINGS SITE NUMBER: 2900793 BASIN: MOUNTAIN COUNTIES YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.04	0.03	53		4.33		36.70	0.360	0.200	0.834	0.100	0.860	0.560	4.320	2.270	V	U		V	V	0
26-Jul	02-Aug	7		0.32	0.28	490	4.51	4.62	18.00	17.20	0.060	0.050	0.231	0.020	0.290	0.130	1.750	0.630	V	V	V	V	V	0
02-Aug	09-Aug	7		0.04	.	.													M	M				0
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	E	0.32	0.15	262	6.07	5.94	34.20	27.70	0.340	0.790	2.549	0.280	0.760	0.410	3.800	1.880	V	S	V	S	V	2
20-Sep	28-Sep	8		0.00	0.00	0																		
28-Sep	04-Oct	6		0.00	0.00	0																		
04-Oct	11-Oct	7	G	.	0.01	12		6.04		14.00									S	M				1
11-Oct	18-Oct	7		0.16	0.11	190	4.73	4.70	11.20	12.40	0.060	0.060	0.163	0.010	0.020	0.170	1.110	0.710	V	V	V	L	L	0
18-Oct	26-Oct	8		0.00	0.00	0																		
26-Oct	01-Nov	6		0.00	0.00	0																		
01-Nov	08-Nov	7	Z	1.73	1.40	2410	4.97	5.11	5.30	4.80	0.010	0.010	0.036	0.007	0.080	0.070	0.410	0.330	V	V	V	V	V	0
08-Nov	15-Nov	7	Z	5.08	3.85	6640	5.22	5.28	4.00	3.20	0.040	0.010	0.038	0.010	0.040	0.140	0.030	0.160	V	V	V	L	L	0
15-Nov	22-Nov	7	Z	3.19	2.12	3650	5.18	5.13	3.70	4.30	0.040	0.010	0.023	0.004	0.060	0.110	0.210	0.330	V	V	V	V	V	0
22-Nov	29-Nov	7	Z	6.71	6.09	10500	5.31	5.51	2.80	2.40	0.030	0.003	0.063	0.010	0.070	0.080	0.160	0.090	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	Z	0.59	0.45	780	4.98	5.11	7.20	6.30	0.210	0.010	0.154	0.020	0.010	0.300	0.510	0.350	V	V	V	V	V	0
20-Dec	27-Dec	7	Z	6.22	2.76	4750	5.26	5.27	2.70	3.30	0.050	0.010	0.032	0.010	0.020	0.160	0.090	0.170	V	S	V	L	L	1
27-Dec	03-Jan	7	Z	1.50	1.02	1750	5.20	5.16	3.30	3.30	0.105	0.005	0.046	0.013	0.010	0.200	0.090	0.080	V	V	V	V	V	0
03-Jan	10-Jan	7	Z	2.97	1.93	3320	5.06	5.11	4.60	4.60	0.050	0.010	0.029	0.010	0.040	0.160	0.310	0.180	V	V	V	L	L	0
10-Jan	17-Jan	7	Z	0.55	0.43	735	5.11	5.35	2.70	2.70	0.030	0.020	0.039	0.010	0.010	0.080	0.080	0.100	V	V	V	L	L	0
17-Jan	24-Jan	7	Z	0.61	0.27	460	4.51	4.57	19.00	18.40	0.220	0.030	0.209	0.040	0.410	0.410	2.040	0.490	V	S	V	V	V	1
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7	B,Z	4.57	---	---	5.16	5.18	4.80	4.20	0.140	0.100	0.101	0.020	0.100	0.150	0.450	0.190	M	M	V	V	S	1
07-Feb	14-Feb	7	Z	0.67	0.51	885	4.96	5.00	7.50	7.20	0.260	0.009	0.076	0.020	0.050	0.480	0.470	0.220	V	V	V	V	V	0
14-Feb	22-Feb	8	Z	1.14	0.89	1530	5.19	5.29	4.20	4.00	0.080	0.007	0.040	0.009	0.040	0.180	0.330	0.150	V	V	V	V	V	0
22-Feb	28-Feb	6	Z	1.18	1.10	1900	4.92	4.97	7.60	6.70	0.050	0.040	0.079	0.020	0.090	0.360	0.740	0.340	V	V	V	V	V	0
28-Feb	07-Mar	7	Z	6.42	4.09	7060	5.30	5.30	3.20	3.50	0.050	0.020	0.042	0.008	0.010	0.150	0.190	0.260	V	V	V	V	V	0
07-Mar	14-Mar	7	Z	6.31	6.00	10350	5.29	5.53	3.30	2.80	0.040	0.010	0.068	0.010	0.079	0.130	0.260	0.210	V	V	V	L	L	0
14-Mar	21-Mar	7	Z	4.88	3.46	5960	5.18	5.22	3.90	4.20	0.070	0.010	0.033	0.020	0.060	0.170	0.430	0.210	V	V	V	V	V	0
21-Mar	28-Mar	7	Z	5.39	4.51	7770	5.33	5.58	2.60	2.10	0.050	0.020	0.017	0.004	0.010	0.050	0.170	0.130	V	V	V	V	V	0
28-Mar	04-Apr	7	Z	2.03	1.59	2745	5.27	5.33	3.20	3.30	0.040	0.010	0.053	0.010	0.024	0.080	0.170	0.240	V	V	V	L	L	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	Z	2.60	2.17	3740	5.17	5.38	4.70	4.70	0.067	0.025	0.081	0.017	0.089	0.170	0.420	0.290	V	V	V	L	L	0
25-Apr	02-May	7	Z	0.39	0.22	380	4.89	4.98	6.30	5.80	0.077	0.004	0.080	0.016	0.076	0.240	0.490	0.320	V	V	V	V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7	Z	0.86	0.73	1250	4.86	4.83	8.70	8.20	0.120	0.050	0.135	0.040	0.130	0.270	0.910	0.600	V	V	V	V	S	1
16-May	23-May	7	Z	0.71	0.54	930	5.07	5.25	6.20	5.50	0.050	0.020	0.072	0.030	0.190	0.290	0.800	0.360	V	V	V	V	V	0
23-May	30-May	7	Z	0.36	0.29	495	5.09	5.08	5.20	4.30	0.050	0.003	0.049	0.020	0.190	0.300	0.430	0.270	V	V	V	V	S	1
30-May	06-Jun	7		0.98	0.91	1575	4.65	4.91	10.50	7.30	0.078	0.010	0.110	0.020	0.160	0.270	0.670	0.490	V	V	S	V	V	1
06-Jun	13-Jun	7		0.16	0.22	380	4.78	4.85	9.90	10.40	0.450	0.065	0.197	0.030	0.254	0.390	1.290	0.630	V	V	V	S	V	1
13-Jun	20-Jun	7		0.04	.	.													M	M				0
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SOUTH LAKE TAHOE SITE NUMBER: 900684 BASIN: LAKE TAHOE YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	20-Jul	8		0.00	0.00	0																		
20-Jul	26-Jul	6		0.38	0.35	610	4.55	4.61	16.40	17.60	0.150	0.100	0.306	0.040	0.290	0.230	1.830	0.840	V	V	V	V	V	0
26-Jul	03-Aug	8	Z	0.30	0.25	435	4.65	4.68	13.50	14.70	0.120	0.040	0.239	0.030	0.270	0.190	1.310	0.770	V	V	V	V	V	0
03-Aug	09-Aug	6	Z	0.16	0.16	273	4.39	4.43	24.90	25.70	0.120	0.080	0.340	0.040	0.640	0.260	3.030	1.320	V	V	V	V	V	0
09-Aug	16-Aug	7	L	.	0.02	39	4.95	5.11	26.40	26.90	0.720	0.380	0.900	0.150	0.880	0.660	2.220	1.040	V	M	V	S	V	1
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.04	0.03	50		5.14		7.30	0.140	0.130	0.328	0.030	0.080	0.260	0.920	0.390	V	U		V	V	0
20-Sep	28-Sep	8		0.00	0.00	0																		
28-Sep	04-Oct	6		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	09-Nov	8		0.02	0.01	22		5.42		9.20	0.220	0.130	0.320	0.060	0.110	0.840	0.160	0.840	S	U		V	V	1
09-Nov	15-Nov	6	Z	1.10	1.08	1870	4.85	5.02	7.80	7.00	0.060	0.170	0.061	0.030	0.120	0.130	0.430	0.310	V	V	V	V	V	0
15-Nov	23-Nov	8	Z	2.09	2.31	3990	5.15	5.34	3.10	3.20	0.040	0.040	0.043	0.010	0.100	0.100	0.230	0.100	V	V	V	L	L	0
23-Nov	01-Dec	8	Z	0.57	0.23	395	5.17	5.45	4.00	3.30	0.087	0.018	0.088	0.015	0.070	0.250	0.190	0.100	V	S	V	V	V	1
01-Dec	06-Dec	5		0.00	0.00	0																		
06-Dec	14-Dec	8		0.00	0.00	0																		
14-Dec	20-Dec	6	Z	0.04	0.02	28		4.91		14.70	0.680	0.130	0.610	0.050	0.170	1.120	1.520	0.660	S	U		V	V	1
20-Dec	28-Dec	8	Z	2.10	1.15	1980	5.25	5.33	6.10	6.10	0.550	0.020	0.089	0.010	0.080	0.680	0.230	0.360	V	V	V	L	L	0
28-Dec	03-Jan	6	Z	0.32	0.24	420	5.19	5.37	4.10	3.60	0.129	0.022	0.078	0.017	0.060	0.240	0.200	0.140	V	V	V	V	V	0
03-Jan	11-Jan	8	Z	0.75	0.48	830	5.26	5.33	4.10	3.70	0.150	0.020	0.043	0.010	0.070	0.260	0.330	0.190	V	V	V	L	L	0
11-Jan	17-Jan	6		0.00	0.00	0																		
17-Jan	24-Jan	7		0.00	0.00	0																		
24-Jan	01-Feb	8	Z	0.12	0.03	55		4.99		14.60	0.970	0.050	0.293	0.070	0.230	1.270	2.080	0.640	V	S		V	V	1
01-Feb	07-Feb	6		0.73	0.29	498	5.30	5.42	4.50	4.20	0.134	0.017	0.052	0.012	0.100	0.260	0.410	0.220	V	S	V	V	V	1
07-Feb	14-Feb	7	Z	0.31	0.27	458	4.83	5.00	8.40	7.10	0.200	0.010	0.061	0.013	0.090	0.350	0.660	0.280	V	V	V	V	V	0
14-Feb	21-Feb	7	Z	0.25	0.18	318	5.15	5.41	5.40	4.20	0.150	0.030	0.070	0.020	0.140	0.310	0.380	0.270	V	V	V	V	V	0
21-Feb	01-Mar	8	C,L	---	0.09	147	4.78	4.98	9.80	8.30	0.090	0.040	0.148	0.030	0.160	0.350	0.950	0.440	V	M	S	V	V	1
01-Mar	07-Mar	6		1.56	1.29	2230	5.32	5.33	2.80	2.90	0.080	0.020	0.029	0.005	0.040	0.200	0.200	0.130	V	V	V	V	V	0
07-Mar	14-Mar	7	Z	1.98	1.90	3280	5.37	5.57	2.20	1.80	0.020	0.009	0.048	0.004	0.040	0.120	0.170	0.110	V	V	V	L	L	0
14-Mar	21-Mar	7	Z	1.38	1.33	2290	5.25	5.53	3.40	3.10	0.070	0.020	0.036	0.010	0.080	0.210	0.450	0.380	V	V	V	L	L	0
21-Mar	28-Mar	7	Z	1.22	1.16	2007	5.31	5.42	2.50	2.10	0.030	0.008	0.020	0.003	0.090	0.070	0.170	0.110	V	V	V	V	S	1
28-Mar	04-Apr	7		0.10	0.08	133	5.29	5.36	4.00	3.60	0.060	0.040	0.134	0.030	0.021	0.260	0.005	0.210	V	V	V	V	V	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7	Z	0.62	0.44	760	5.21	5.47	5.40	4.90	0.176	0.146	0.114	0.022	0.126	0.330	0.460	0.380	V	V	V	V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7	Z	0.08	0.09	155	4.74	4.94	10.70	8.70	0.090	0.080	0.176	0.026	0.176	0.260	0.780	0.620	V	V	S	V	V	1
09-May	16-May	7		0.70	0.70	1200	5.12	5.36	10.60	13.40	0.140	0.030	0.105	0.030	0.274	0.340	1.110	0.690	V	V	V	V	S	1
16-May	23-May	7		0.14	0.12	213	5.16	5.37	6.30	5.30	0.070	0.040	0.142	0.040	0.120	0.250	0.460	0.380	V	V	V	V	V	0
23-May	30-May	7		0.05	0.05	92		5.54		6.60	0.110	0.020	0.192	0.040	0.380	0.360	0.720	0.470	V	U		V	V	0
30-May	06-Jun	7	Z	0.76	0.73	1255	4.69	5.17	8.90	5.70	0.030	0.010	0.270	0.030	0.160	0.100	0.420	0.330	V	V	V	S	V	1
06-Jun	13-Jun	7		0.05	0.04	75		5.11		12.80	0.210	0.120	0.414	0.070	0.830	0.770	1.740	0.920	V	U		V	V	0
13-Jun	21-Jun	8		0.00	0.00	0																		
21-Jun	28-Jun	7		0.05	0.03	53		4.86		14.10	0.453	0.150	.	0.104	0.190	0.580	1.620	1.030	V	U		M	M	0
28-Jun	05-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: TANBARK SITE NUMBER: 7000598 BASIN: SOUTH COAST YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7	Z	0.27	---	---		4.50		32.70	0.200	0.080	0.266	0.070	1.260	0.310	6.180	1.810	M	M		V	V	0
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.14	0.14	233		3.70		114.70	0.910	0.110	0.321	0.120	1.970	1.350	9.060	7.470	V	V		V	V	0
20-Sep	26-Sep	6	E	0.55	0.54	935		4.11		53.70	1.120	0.150	0.241	0.150	1.190	1.490	6.820	3.680	V	V		V	V	0
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	11-Oct	8		0.00	0.00	0																		
11-Oct	17-Oct	6		0.00	0.00	0																		
17-Oct	24-Oct	7		0.00	0.00	0																		
24-Oct	31-Oct	7		0.00	0.00	0																		
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		1.71	1.69	2910		4.45		20.00	0.070	0.020	0.062	0.140	0.310	0.120	1.900	1.080	V	V		V	V	0
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.32	0.34	587		4.75		10.10	0.020	0.020	0.058	0.003	0.130	0.060	0.970	0.380	V	V		L	L	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		3.76	3.80	6550		5.49		4.80	0.090	0.010	0.061	0.020	0.160	0.260	0.470	0.230	V	V		V	V	0
19-Dec	27-Dec	8	L,Z	3.43	3.42	5890		5.01		5.70	0.060	0.010	0.070	0.010	0.060	0.150	0.590	0.240	V	V		L	L	0
27-Dec	03-Jan	7		0.51	0.52	890		4.34		34.30	0.530	0.040	0.193	0.080	0.810	0.730	6.210	1.180	V	V		V	V	0
03-Jan	10-Jan	7	E	1.50	1.51	2600		4.98		9.50	0.060	0.040	0.108	0.040	0.320	0.180	1.280	0.620	V	V		V	V	0
10-Jan	17-Jan	7		0.00	0.00	0																		
17-Jan	24-Jan	7		0.00	0.00	0																		
24-Jan	31-Jan	7		0.00	0.00	0																		
31-Jan	07-Feb	7		3.50	3.44	5930		5.03		4.60	0.010	0.020	0.024	0.002	0.060	0.060	0.280	0.270	V	V		V	V	0
07-Feb	14-Feb	7		1.05	1.06	1820		5.45		6.70	0.120	0.010	0.097	0.020	0.210	0.230	0.630	0.310	V	V		V	V	0
14-Feb	21-Feb	7		0.00	0.00	0																		
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.78	0.77	1320		4.77		12.00	0.050	0.005	0.048	0.010	0.320	0.160	1.520	0.480	V	V		L	L	0
07-Mar	14-Mar	7		0.00	0.00	0																		
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		1.07	1.12	1935		5.05		8.20	0.230	0.020	0.065	0.030	0.280	0.400	0.910	0.430	V	V		V	V	0
28-Mar	04-Apr	7		0.00	0.00	0																		
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.00	0.00	0																		
18-Apr	25-Apr	7		0.07	0.07	124		4.20		51.50	2.510	0.216	0.551	0.278	0.520	4.100	3.150	4.080	V	V		V	V	0
25-Apr	02-May	7		0.77	0.82	1415		4.99		16.10	0.572	0.093	0.436	0.110	0.473	1.290	1.910	1.440	V	V		V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.31	0.29	505		4.20		50.10	1.700	0.110	0.496	0.230	0.952	1.990	6.080	2.680	V	V		V	V	0
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.00	0.00	0																		
30-May	06-Jun	7	L	.	0.04	64		3.88		78.40	0.340	0.080	0.562	0.137	1.890	1.850	10.190	4.060	V	M		V	V	0
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: VICTORVILLE CIV SITE NUMBER: 3600199 BASIN: S.E. DESERT YEAR: 1988/89

							--- pH ---		CONDUCTIVITY		---------- ION CONCENTRATIONS (lab) ----------								-------- FLAGS --------					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				----- inches -----		-- ml --			---- uS/cm ----		---------- mg/L ----------													
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7	E,Z	0.44	0.41	700		5.27		37.80	0.370	0.100	2.043	0.160	2.270	0.510	9.370	2.640	V	V		V	V	0
30-Aug	06-Sep	7	Z	0.02	0.02	26		5.22		65.70	0.450	0.140	6.860	0.480	1.230	0.480	6.860	2.020	S	U		S	V	2
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.02	0.01	11		5.92		23.20									S	U				1
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.07	0.07	115		5.52		9.70	0.430	0.110	0.505	0.040	0.480	0.690	1.280	0.720	V	V		S	V	1
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7	E	0.14	0.17	294		6.47		60.50	4.140	0.230	4.390	0.250	1.080	2.400	7.620	6.490	V	V		S	V	1
20-Dec	27-Dec	7	L	0.04	0.03	53		5.66		9.40	0.210	0.010	0.420	0.030	0.680	0.370	0.770	0.360	V	U		S	V	1
27-Dec	03-Jan	7	L	.	0.16	270		4.50		27.30	0.270	0.060	0.422	0.040	0.750	0.340	5.880	0.730	V	M		V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: YOSEMITE HODGEN SITE NUMBER: 2200745 BASIN: MOUNTAIN COUNTIES YEAR: 1988/89

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7	E,Z	0.02	.	.																		
06-Sep	13-Sep	7		0.00	0.00	0													M	M				0
13-Sep	20-Sep	7		0.00	0.00	0																		
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.00	0.00	0																		
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
09-Nov	16-Nov	7	L,Z	.	.	.													M	M				0
16-Nov	23-Nov	7	L	.	.	.													M	M				0
23-Nov	30-Nov	7	L	.	.	.													M	M				0
14-Dec	21-Dec	7	L	.	.	.													M	M				0
21-Dec	28-Dec	7	L,Z	.	.	.													M	M				0
28-Dec	04-Jan	7	Z	.	.	.													M	M				0
25-Jan	01-Feb	7	Z	.	.	.													M	M				0
01-Feb	08-Feb	7	B	.	.	.													M	M				0
08-Feb	15-Feb	7	Z	.	.	.													M	M				0
01-Mar	08-Mar	7	Z	.	.	.													M	M				0
03-May	10-May	7	E,J	.	.	.													M	M				0
10-May	17-May	7	E	.	.	.													M	M				0
31-May	07-Jun	7	G	.	.	.													M	M				0
07-Jun	14-Jun	7	E,Z	.	.	.													M	M				0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: YOSEMITE SITE NUMBER: 2200746 BASIN: MOUNTAIN COUNTIES YEAR: 1988/89

							--- pH ---		CONDUCTIVITY		---------- ION CONCENTRATIONS (lab) ----------								-------- FLAGS --------					
START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				----- inches -----		-- ml --			---- uS/cm ----		---------- mg/L ----------													
09-Nov	16-Nov	7		.	1.42	2449		5.68	2.60	3.10	0.090	0.020	0.084	0.020	0.110	0.210	0.230	0.160	V	M		V	V	0
16-Nov	23-Nov	7	Z	.	1.44	2478	4.98	5.17	4.50	5.10	0.080	0.030	0.056	0.010	0.100	0.200	0.470	0.180	V	M	V	L	L	0
23-Nov	30-Nov	7	Z	.	1.04	1789	5.06	5.27	2.20	2.30	0.070	0.020	0.017	0.001	0.080	0.020	0.150	0.090	V	M	V	L	L	0
30-Nov	08-Dec	8		0.00	0.00	0																		
08-Dec	14-Dec	6		0.00	0.00	0																		
14-Dec	21-Dec	7	Z	1.28	1.11	1919	4.99	5.27	3.30	2.90	0.040	0.010	0.050	0.010	0.010	0.010	0.270	0.090	V	V	V	L	L	0
21-Dec	28-Dec	7		---	1.88	3241	5.08	5.29	3.10	3.10	0.070	0.020	0.055	0.020	0.040	0.180	0.140	0.130	V	M	V	V	V	0
28-Dec	04-Jan	7		0.42	0.45	768	5.02	5.15	3.60	3.90	0.050	0.020	0.044	0.010	0.030	0.005	0.005	0.025	V	V	V	L	L	0
04-Jan	11-Jan	7		0.48	0.31	541	5.00	5.18	3.50	4.10	0.020	0.030	0.030	0.010	0.060	0.140	0.240	0.200	V	V	V	L	L	0
11-Jan	18-Jan	7		0.00	0.00	0																		
18-Jan	25-Jan	7		0.00	0.00	0																		
25-Jan	01-Feb	7		0.02	0.04	73		4.87		18.70	0.490	0.280	0.261	0.080	0.630	0.260	3.480	0.970	V	U		V	V	0
01-Feb	08-Feb	7	Z	1.12	---	---	4.94	5.14	9.20	8.10	0.040	0.020	0.054	0.020	0.530	0.150	1.750	0.440	M	M	V	V	V	0
08-Feb	15-Feb	7		1.05	0.97	1666	5.08	5.34	3.40	2.90	0.010	0.010	0.030	0.003	0.080	0.080	0.170	0.130	V	V	V	V	V	0
15-Feb	22-Feb	7		0.25	0.24	413	4.96	5.26	4.40	3.70	0.007	0.001	0.072	0.006	0.060	0.110	0.390	0.180	V	V	V	V	V	0
22-Feb	01-Mar	7		0.00	0.00	0																		
01-Mar	08-Mar	7		3.20	2.93	5046	5.13	5.34	2.20	2.70	0.030	0.008	0.068	0.010	0.070	0.170	0.400	0.270	V	V	V	L	L	0
08-Mar	15-Mar	7		0.32	0.30	522	4.74	4.92	9.40	8.00	0.170	0.060	0.152	0.040	0.120	0.300	1.140	0.680	V	V	V	V	S	1
15-Mar	22-Mar	7		0.47	0.50	863	4.93	5.34	4.00	3.30	0.043	0.016	0.058	0.030	0.140	0.140	0.460	0.310	V	V	V	V	S	1
22-Mar	29-Mar	7		2.23	2.23	3841	5.15	5.37	2.90	2.80	0.010	0.010	0.055	0.010	0.082	0.050	0.270	0.150	V	V	V	L	L	0
29-Mar	05-Apr	7		0.07	0.08	133	4.60	4.79	11.90	10.60	0.030	0.020	0.141	0.030	0.214	0.150	1.480	0.420	V	V	V	V	V	0
05-Apr	12-Apr	7		0.00	0.00	0																		
12-Apr	19-Apr	7		0.00	0.00	0																		
19-Apr	26-Apr	7		1.21	1.24	2145	5.14	5.16	6.60	6.60	0.131	0.034	0.116	0.025	0.412	0.510	0.720	0.550	V	V	V	V	S	1
26-Apr	03-May	7		0.13	0.15	252	5.18	5.50	8.30	8.30	0.060	0.030	0.085	0.017	0.652	0.450	1.610	0.600	V	V	V	V	V	0
03-May	10-May	7		0.82	0.86	1488	4.70	5.27	7.10	4.90	0.030	0.020	0.035	0.010	0.152	0.080	0.640	0.320	V	V	S	L	L	1
10-May	17-May	7		0.92	0.90	1552	4.91	5.51	11.20	7.80	0.180	0.030	0.140	0.040	0.368	0.280	1.340	0.580	V	V	S	V	V	1
17-May	24-May	7		0.00	0.00	0																		
24-May	31-May	7		0.00	0.00	0																		
31-May	07-Jun	7		.	0.03	60		4.80		20.30	0.210	0.330	0.511	0.090	0.830	0.440	3.200	1.490	V	M		V	V	0
07-Jun	14-Jun	7		0.06	0.05	94		4.78			0.093	.	0.263	0.060	0.670	.	2.030	1.130	V	V		M	M	0
14-Jun	21-Jun	7		0.00	0.00	0																		
21-Jun	28-Jun	7		0.00	0.00	0																		
28-Jun	05-Jul	7		0.00	0.00	0																		

Wet Deposition Data Tables

Hydrological Year 1990: July 1989 to June 1990

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ANAHEIM SITE NUMBER: 3000194 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAG	FLAG	FLAG	FLAG	FLAG	
03-Jul	10-Jul	7		0.00	0.00	0																		
10-Jul	17-Jul	7		0.00	0.00	0																		
17-Jul	24-Jul	7		0.00	0.00	0																		
24-Jul	31-Jul	7		0.00	0.00	0																		
31-Jul	07-Aug	7		0.00	0.00	0																		
07-Aug	14-Aug	7		0.00	0.00	0																		
14-Aug	21-Aug	7		0.00	0.00	0																		
21-Aug	28-Aug	7		0.00	0.00	0																		
28-Aug	05-Sep	8		0.00	0.00	0																		
05-Sep	11-Sep	6		0.00	0.00	0																		
11-Sep	18-Sep	7		0.06	0.02	40		3.14		394.00	5.300	0.480	3.060	0.800	5.240	.	.	.	V	S		M	M	1
18-Sep	25-Sep	7		0.36	0.40	684		4.91		8.20	0.080	0.010	0.080	0.010	0.140	0.150	0.480	0.660	V	V		L	L	0
25-Sep	02-Oct	7		0.00	0.00	0																		
02-Oct	10-Oct	8		0.00	0.00	0																		
10-Oct	16-Oct	6		0.00	0.00	0																		
16-Oct	23-Oct	7		0.31	0.31	529		6.26		10.50	0.150	0.030	0.070	0.020	1.020	0.250	1.060	0.610	V	V		S	V	1
23-Oct	30-Oct	7		0.05	0.06	100		4.47		35.70	0.740	0.120	0.480	0.120	1.520	1.330	2.940	4.550	V	U		V	V	0
30-Oct	06-Nov	7		0.00	0.00	0																		
06-Nov	13-Nov	7		0.00	0.00	0																		
13-Nov	20-Nov	7		0.00	0.00	0																		
20-Nov	29-Nov	9		0.32	0.23	398		4.83		26.00	1.410	0.070	0.480	0.200	0.820	2.040	2.650	2.490	V	V		V	V	0
29-Nov	04-Dec	5		0.00	0.00	0																		
04-Dec	12-Dec	8		0.00	0.00	0																		
12-Dec	20-Dec	8		0.00	0.00	0																		
20-Dec	27-Dec	7		0.00	0.00	0																		
27-Dec	03-Jan	7		0.41	0.45	771		4.83		15.20	0.950	0.060	0.320	0.140	0.210	1.380	1.080	0.990	V	V		V	V	0
03-Jan	08-Jan	5		0.00	0.00	0																		
08-Jan	17-Jan	9		0.98	1.02	1758		5.16		10.20	0.630	0.030	0.150	0.070	0.190	1.120	0.460	0.700	V	V		V	V	0
17-Jan	22-Jan	5		0.08	0.08	131		5.08		25.20	0.600	0.070	0.570	0.160	1.810	0.980	4.920	2.390	V	V		V	V	0
22-Jan	29-Jan	7		0.00	0.00	0																		
29-Jan	05-Feb	7		0.44	0.41	710		4.91		14.90	0.440	0.040	0.230	0.060	0.580	0.610	1.820	1.280	V	V		V	V	0
05-Feb	14-Feb	9		0.00	0.00	0																		
14-Feb	20-Feb	6		3.04	3.04	5235		5.10		9.60	0.611	0.060	0.130	0.080	0.110	1.020	0.290	0.600	V	V		V	V	0
20-Feb	26-Feb	6		0.00	0.00	0																		
26-Feb	05-Mar	7		0.00	0.00	0																		
05-Mar	12-Mar	7		0.05	0.11	183		4.63		19.70	0.540	0.030	0.410	0.110	0.460	1.240	2.230	1.210	V	U		V	V	0
12-Mar	19-Mar	7		0.00	0.00	0																		
19-Mar	26-Mar	7		0.00	0.00	0																		
26-Mar	02-Apr	7		0.00	0.00	0																		
02-Apr	09-Apr	7		0.53	0.55	940		5.87		4.80	0.070	0.020	0.090	0.020	0.350	0.130	0.580	0.400	V	V		V	V	0
09-Apr	16-Apr	7		0.00	0.00	0																		
16-Apr	23-Apr	7		0.00	0.00	0																		
23-Apr	30-Apr	7		0.06	0.04	62		4.47		52.40	3.490	0.140	0.640	0.410	1.090	5.570	4.340	3.760	V	V		V	V	0
30-Apr	07-May	7	L,Z	---	0.01	21		5.09		471.70									S	M				1
07-May	14-May	7		0.00	0.00	0																		
14-May	21-May	7		0.00	0.00	0																		
21-May	29-May	8	L	.	0.50	870		5.38		4.40	0.110	0.020	0.190	0.040	0.120	0.230	0.300	0.340	V	M		V	V	0
29-May	04-Jun	6		0.00	0.00	0																		
04-Jun	11-Jun	7		0.04	0.03	57		5.07		18.30	0.650	0.130	0.540	0.120	0.550	1.040	2.890	1.170	V	U		V	V	0
11-Jun	18-Jun	7		0.00	0.00	0																		
18-Jun	25-Jun	7		0.00	0.00	0																		
25-Jun	02-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BAKERSFIELD SITE NUMBER: 1500203 BASIN: SAN JOAQUIN VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
03-Jul	11-Jul	8		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	26-Jul	8		0.00	0.00	0																		
26-Jul	01-Aug	6		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	30-Aug	8		0.00	0.00	0																		
30-Aug	05-Sep	6		0.00	0.00	0																		
05-Sep	13-Sep	8		0.00	0.00	0																		
13-Sep	19-Sep	6		0.35	0.26	450	5.73	6.10	20.70	18.80	0.220	0.160	0.790	0.080	1.380	0.280	3.070	1.950	V	V	V	V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	16-Oct	6		0.00	0.00	0																		
16-Oct	24-Oct	8		0.00	0.00	0																		
24-Oct	31-Oct	7		0.04	0.04	75	5.34	6.27	21.60	21.00	1.200	0.110	.	.	0.950	1.850	2.000	1.990	V	U	S	M	M	1
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.10	0.06	95	5.87	6.79	32.70	33.40	1.300	0.310	4.210	0.250	0.020	0.830	0.020	3.940	V	V	S	L	L	1
28-Nov	06-Dec	8		0.00	0.00	0																		
06-Dec	12-Dec	6		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.28	0.27	462	5.52	6.20	15.50	15.50	0.200	0.090	0.230	0.060	1.350	0.300	2.080	1.590	V	V	S	V	V	1
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		0.11	0.10	164	6.03	6.06	16.40	15.60	0.540	0.180	0.580	0.140	0.950	0.790	1.510	1.710	V	V	V	S	V	1
16-Jan	23-Jan	7		0.38	0.35	612	5.84	5.63	8.40	8.60	0.310	0.050	0.080	0.030	0.520	0.540	0.760	0.860	V	V	V	V	V	0
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.56	0.53	912	6.02	5.84	6.90	6.90	0.130	0.020	0.110	0.020	0.520	0.210	0.640	0.740	V	V	V	V	V	0
06-Feb	13-Feb	7		0.19	0.17	288	6.19	5.62	27.20	26.20	0.130	0.050	0.340	0.090	2.590	0.200	5.840	2.820	V	V	S	V	V	1
13-Feb	20-Feb	7		0.45	0.45	773	6.48	5.93	14.90	14.90	0.510	0.070	0.600	0.150	0.790	0.670	1.030	2.300	V	V	S	V	V	1
20-Feb	28-Feb	8		0.00	0.00	0																		
28-Feb	06-Mar	6		0.19	0.12	210	6.05	6.07	18.50	20.00	0.330	0.040	0.270	0.060	1.830	0.600	3.090	2.080	V	V	V	V	V	0
06-Mar	14-Mar	8	Z	0.04	0.03	44	6.53		23.10		.	.	.	.	.	.	.	.	V	U		M	M	0
14-Mar	20-Mar	6		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.02	0.02	30		4.38		72.40	.	.	.	.	0.720	2.320	11.600	6.860	S	U		M	M	1
17-Apr	24-Apr	7		0.14	0.12	201	5.67	5.82	3.40	3.70	0.160	0.090	0.240	0.060	0.015	0.240	0.020	0.280	V	V	V	L	L	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		0.52	0.48	833	5.53	6.14	10.30	11.00	0.120	0.070	0.260	0.060	1.040	0.180	1.490	1.250	V	V	S	V	V	1
29-May	06-Jun	8		0.00	0.00	0																		
06-Jun	12-Jun	6		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	29-Jun	10		0.00	0.00	0																		
29-Jun	03-Jul	4		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BERKELEY SITE NUMBER: 6000341 BASIN: S.F. BAY AREA YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
26-Sep	03-Oct	7		0.30	0.30	510	4.79	4.97	14.00	12.40	0.260	0.020	0.410	0.040	0.270	0.090	2.290	0.910	V	V	V	V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7	L	---	2.34	4037	4.91	5.23	7.30	7.10	0.430	0.040	0.090	0.040	0.030	0.750	0.270	0.480	V	M	V	V	V	0
24-Oct	01-Nov	8		0.20	0.12	214	5.24	4.92	15.30	16.60	1.440	0.050	0.250	0.120	0.090	2.180	0.870	1.060	V	V	S	V	V	1
01-Nov	07-Nov	6		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	22-Nov	8		0.00	0.00	0																		
22-Nov	28-Nov	6		1.70	1.83	3158	5.27	5.24	4.80	5.30	0.270	0.010	0.040	0.020	0.030	0.420	0.220	0.280	V	V	V	V	V	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	27-Dec	8		0.00	0.00	0																		
27-Dec	03-Jan	7		0.90	0.92	1589	4.95	5.13	8.50	8.70	0.590	0.030	0.200	0.090	0.080	0.970	0.290	0.490	V	V	V	V	V	0
03-Jan	09-Jan	6		0.90	1.13	1954	4.74	4.69	17.50	17.40	1.060	0.030	0.180	0.130	0.120	1.850	0.870	1.030	V	V	V	V	V	0
09-Jan	16-Jan	7		2.85	3.08	5302	5.17	5.18	7.10	6.90	0.450	0.030	0.180	0.070	0.060	0.820	0.240	0.420	V	V	V	V	V	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.65	0.63	1091	5.05	5.07	9.50	9.10	0.050	0.020	0.230	0.090	0.080	0.890	0.340	0.700	V	V	V	V	V	0
30-Jan	06-Feb	7	E	1.40	1.46	2510	5.25	5.21	10.00	9.60	0.720	0.030	0.150	0.050	0.110	1.380	0.330	0.540	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.02	27		4.92		38.80	.	.	.	.	1.380	3.260	2.560	3.850	S	U		M	M	1
13-Feb	20-Feb	7	E	1.87	1.64	2834	5.04	5.19	16.70	16.80	1.830	0.070	0.150	0.120	0.090	2.790	0.230	0.900	V	V	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		1.00	1.05	1817	5.01	5.23	6.40	6.00	0.240	0.020	0.110	0.040	0.060	0.340	0.350	0.370	V	V	V	V	V	0
06-Mar	13-Mar	7		0.47	0.46	801	4.81	4.84	12.50	12.70	0.690	0.030	0.340	0.130	0.100	1.140	0.660	0.900	V	V	V	V	V	0
13-Mar	20-Mar	7		0.04	0.02	42		4.71		14.80	0.280	0.040	0.280	0.070	0.330	0.310	1.390	1.410	V	U		V	V	0
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.03	0.03	53		4.41		68.70	3.310	0.170	1.920	0.560	1.690	3.770	6.980	7.500	V	U		V	V	0
10-Apr	17-Apr	7		0.05	0.05	88	4.39	4.48	28.50	25.40	0.380	0.030	0.790	0.210	0.400	0.580	3.890	1.090	V	U	V	V	V	0
17-Apr	24-Apr	7		0.70	0.58	999	5.32	5.41	5.40	5.20	0.110	0.004	0.150	0.030	0.090	0.180	0.410	0.490	V	V	V	L	L	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		1.05	1.25	2149	5.03	4.88	8.90	10.50	0.540	0.020	0.410	0.100	0.015	0.950	0.330	0.700	V	V	V	S	V	1
22-May	29-May	7		2.59	2.78	4794	5.08	5.12	5.00	5.60	0.100	0.010	0.210	0.040	0.070	0.210	0.250	0.420	V	V	V	V	V	0
29-May	05-Jun	7		0.36	0.37	636	5.02	5.01	14.90	14.90	0.900	0.040	0.300	0.110	0.200	1.640	0.700	1.290	V	V	V	V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7	G	0.75	0.02	33	4.39	4.56	66.30	51.10									S	S	V			2
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: BETHEL ISL SITE NUMBER: 700442 BASIN: S.F. BAY AREA YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.02	0.02	26		4.75		44.60	.	.	1.330	0.290	0.830	1.850	5.830	4.720	S	U		M	M	1
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		1.08	0.87	1505	4.99	5.35	8.70	7.70	0.140	0.060	0.310	0.070	0.300	0.220	0.910	0.770	V	V	V	V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.42	0.40	687	4.70	4.86	11.20	12.20	0.050	0.020	0.200	0.030	0.410	0.160	1.150	1.230	V	V	V	V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		1.49	1.41	2429	5.85	5.76	4.00	4.30	0.070	0.020	0.150	0.020	0.240	0.130	0.240	0.260	V	V	V	V	V	0
24-Oct	31-Oct	7		0.10	0.11	196	5.58	5.35	7.90	9.50	0.580	0.040	0.200	0.080	0.210	1.350	0.500	0.510	V	V	V	V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		1.11	1.04	1794		5.28	5.30	5.80	0.020	0.010	0.070	0.010	0.310	0.090	0.680	0.490	V	V		L	L	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.44	0.42	725		6.19	8.20	7.80	0.210	0.030	0.150	0.040	0.690	0.360	0.620	0.430	V	V		V	V	0
02-Jan	09-Jan	7		0.04	0.03	50		5.81		14.20	0.360	0.030	0.280	0.080	1.040	1.380	0.950	0.670	V	U		V	V	0
09-Jan	16-Jan	7		0.75	0.72	1248	5.90	6.29	7.60	7.10	0.180	0.004	0.130	0.030	0.520	0.360	0.340	0.300	V	V	V	L	L	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.15	0.12	212		5.99	6.50	6.50	0.330	0.030	0.190	0.060	0.210	0.700	0.250	0.530	V	V		V	V	0
30-Jan	06-Feb	7		0.44	0.46	796		5.18	7.70	7.30	0.190	0.020	0.240	0.060	0.270	0.330	0.600	0.750	V	V		V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		1.03	0.95	1643		5.45	5.00	4.10	0.090	0.009	0.140	0.030	0.170	0.120	0.160	0.380	V	V		V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.50	0.44	762		6.39	7.40	7.30	0.120	0.030	0.100	0.020	0.760	0.170	0.420	0.580	V	V		V	V	0
06-Mar	13-Mar	7		0.25	0.26	440		5.49	5.90	6.10	0.120	0.010	0.130	0.020	0.270	0.310	0.500	0.620	V	V		V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.19	0.13	223	4.45	4.71	30.30	24.70	0.530	0.060	0.710	0.140	0.740	0.920	3.630	2.040	V	V	S	V	V	1
17-Apr	24-Apr	7		0.24	0.17	299	5.84	5.95	5.40	5.30	0.120	0.020	0.180	0.030	0.360	0.240	0.510	0.430	V	V	V	V	V	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		1.99	1.97	3401	5.58	5.82	4.30	3.40	0.020	0.010	0.190	0.020	0.180	0.060	0.240	0.250	V	V	V	L	L	0
29-May	05-Jun	7		0.08	0.08	135		5.41		19.70	1.030	0.120	0.660	0.190	0.540	2.630	1.040	1.940	V	V		V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: EL MONTE SITE NUMBER: 7000579 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.46	0.44	765		4.29		31.60	0.260	0.050	0.390	0.070	0.620	0.370	4.280	1.760	V	V		V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.01	0.00	4		3.06		526.00									S	U				1
17-Oct	24-Oct	7		0.33	0.29	504		5.99		12.30	0.210	0.070	0.190	0.040	0.950	0.390	1.560	1.370	V	V		V	V	0
24-Oct	01-Nov	8		0.15	0.14	240		4.65		21.10	0.390	0.060	0.370	0.080	0.880	0.690	3.310	1.120	V	V		V	V	0
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	14-Nov	6		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.30	0.24	421		4.78		16.60	0.280	0.040	0.210	0.080	0.690	0.350	1.960	1.380	V	V		V	V	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.26	0.28	480		5.13		9.20	0.410	0.030	0.180	0.060	0.370	0.670	0.650	0.740	V	V		V	V	0
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		1.24	1.27	2183		4.63		21.00	0.720	0.030	0.350	0.100	0.710	1.180	2.080	1.710	V	V		V	V	0
16-Jan	23-Jan	7		0.48	0.38	659		5.00		15.20	0.470	0.030	0.190	0.080	0.720	1.110	1.040	1.350	V	V		V	V	0
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.79	0.80	1373		4.64		19.50	0.380	0.030	0.400	0.120	0.660	0.590	2.370	1.310	V	V		V	V	0
06-Feb	26-Feb	20	L	.	4.06	7000		4.98		7.80	0.290	0.020	0.160	0.040	0.210	0.380	0.360	0.560	V	M		V	V	1
26-Feb	05-Mar	7		0.00	0.00	0																		
05-Mar	12-Mar	7		0.15	0.14	246		4.21		42.80	1.010	0.050	0.560	0.200	0.940	1.550	4.120	2.960	V	V		V	V	0
12-Mar	19-Mar	7		0.14	0.14	235		5.27		21.70	1.380	0.070	0.510	0.180	0.540	2.650	2.430	1.300	V	V		V	V	0
19-Mar	26-Mar	7		0.00	0.00	0																		
26-Mar	04-Apr	9		0.32	0.28	490		5.31		9.20	0.140	0.020	0.190	0.040	0.570	0.170	1.110	0.850	V	V		V	V	0
04-Apr	09-Apr	5		0.00	0.00	0																		
09-Apr	16-Apr	7		.	0.12	210		5.16		17.20	0.860	0.060	0.420	0.110	0.690	1.480	1.400	1.420	V	M		V	V	0
16-Apr	23-Apr	7		0.06	0.08	146		4.13		52.70	0.620	0.050	1.070	0.250	1.140	1.050	6.910	3.580	V	V		V	V	0
23-Apr	30-Apr	7		0.26	0.25	424		4.64		34.30	2.770	0.140	0.750	0.320	1.020	4.850	2.520	2.580	V	V		V	S	1
30-Apr	07-May	7		0.00	0.00	0																		
07-May	14-May	7		0.00	0.00	0																		
14-May	21-May	7		0.00	0.00	0																		
21-May	29-May	8		2.28	2.14	3685		5.16		5.70	0.060	0.010	0.240	0.060	0.090	0.130	0.340	0.490	V	V		V	V	0
29-May	04-Jun	6		0.00	0.00	0																		
04-Jun	11-Jun	7		0.00	0.00	0																		
11-Jun	18-Jun	7		0.00	0.00	0																		
18-Jun	25-Jun	7		0.00	0.00	0																		
25-Jun	03-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: ESCONDIDO SITE NUMBER: 8000115 BASIN: SAN DIEGO YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches	inches	ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.25	0.23	400		4.87	16.20	17.00	0.440	0.050	0.300	0.070	0.700	0.560	2.090	1.690	V	V		V	V	0
19-Sep	26-Sep	7	L	---	0.07	125		5.24	13.70	14.90	0.490	0.050	0.260	0.100	0.700	0.910	1.550	1.610	V	M		V	V	0
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		0.35	0.32	550		5.42	4.60	4.90	0.060	0.010	0.090	0.020	0.170	0.100	0.770	0.340	V	V		V	V	0
24-Oct	31-Oct	7		0.05	0.04	63		6.20		13.20	0.520	0.100	0.540	0.120	0.480	0.910	1.190	1.040	V	U		V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.15	.	.		5.70		9.10	0.360	0.060	0.310	0.050	0.500	0.500	0.940	0.900	M	M		V	V	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	25-Dec	6		0.00	0.00	0																		
25-Dec	02-Jan	8		0.85	0.73	1250	5.30	5.00	10.90	11.00	0.650	0.030	0.220	0.070	0.150	1.090	0.810	0.610	V	V	S	V	V	1
02-Jan	09-Jan	7		0.01	0.01	17		6.17		25.70	.	.	.	.	0.660	2.300	0.580	1.570	S	U		M	M	1
09-Jan	16-Jan	7		0.60	0.60	1040		5.25	10.90	11.00	0.800	0.030	0.090	0.080	0.180	1.410	0.720	0.800	V	V		V	V	0
16-Jan	23-Jan	7		1.00	1.04	1785	5.39	5.31	7.70	7.70	0.640	0.030	0.260	0.070	0.040	1.160	0.260	0.430	V	V	V	V	V	0
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.80	0.80	1375	5.43	5.32	9.90	10.10	0.820	0.040	0.280	0.090	0.150	1.380	0.650	0.670	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		1.10	1.14	1960	5.23	5.25	18.90	18.20	1.660	0.080	0.390	0.190	0.340	2.600	0.610	1.720	V	V	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7	Z	0.10	0.07	116	5.49	5.40	25.70	26.50	2.710	0.120	0.520	0.320	0.480	4.420	1.550	1.380	V	V	V	V	V	0
06-Mar	13-Mar	7		0.25	0.27	460	5.26	5.11	40.70	40.20	4.910	0.200	0.640	0.550	0.280	7.980	0.830	2.030	V	V	V	V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.15	0.15	265	4.97	4.58	38.80	40.10	0.270	0.090	0.680	0.270	1.460	2.590	4.860	3.480	V	V	S	V	V	1
03-Apr	10-Apr	7		0.35	0.39	670		5.18	9.50	10.20	0.160	0.020	0.260	0.060	0.480	0.260	1.120	1.080	V	V		V	V	0
10-Apr	17-Apr	7		0.38	0.40	685	5.48	5.21	10.20	11.20	0.730	0.030	0.240	0.090	0.070	1.280	0.610	0.850	V	V	V	V	V	0
17-Apr	24-Apr	7		0.30	0.26	440	5.96	5.59		19.50	1.790	0.090	0.530	0.230	0.520	3.270	1.100	1.320	V	V	V	V	V	0
24-Apr	01-May	7		0.00	0.00	8													S	U				1
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		0.60	0.65	1120	5.35	5.20	6.90	7.20	0.310	0.010	0.230	0.070	0.110	0.560	0.500	0.630	V	V	V	V	V	0
29-May	05-Jun	7		0.00	0.00	0																		
05-Jun	12-Jun	7		1.00	1.06	1820	5.58	5.49	5.90	6.20	0.080	0.004	0.190	0.040	0.330	0.300	0.940	0.620	V	V	V	L	L	0
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: GASQUET SITE NUMBER: 800652 BASIN: NORTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
04-Jul	11-Jul	7		0.00	0.00	0																		
11-Jul	18-Jul	7		0.07	0.04	65		5.23		4.70	0.050	0.050	0.130	0.030	0.080	0.230	0.240	0.350	V	V		V	V	0
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.18	0.17	291	5.00	5.10	5.70	4.70	0.130	0.040	0.020	0.020	0.010	0.240	0.180	0.330	V	V	V	V	V	0
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	16-Aug	8		0.00	0.00	0																		
16-Aug	22-Aug	6		0.41	0.40	682	4.82	5.32	4.50	3.40	0.040	0.060	0.090	0.010	0.010	0.210	0.160	0.270	V	V	V	L	L	0
22-Aug	29-Aug	7		0.05	0.07	126	4.46	4.50	22.00	24.10	1.050	0.100	0.370	0.160	0.010	2.170	0.480	1.670	V	U	V	V	V	0
29-Aug	05-Sep	7		0.05	.	.													M	M				0
05-Sep	22-Sep	17		0.30	0.31	533		4.61		15.60	0.230	0.060	0.140	0.040	0.160	0.330	0.990	1.100	V	V		V	V	1
22-Sep	29-Sep	7		0.40	0.39	678		4.80		12.30	0.180	0.040	0.300	0.070	0.130	0.240	1.200	0.970	V	V		V	V	0
29-Sep	10-Oct	11		0.30	0.48	821		5.23		3.30	0.010	0.010	0.010	0.004	0.010	0.020	0.020	0.100	V	S		L	L	1
10-Oct	20-Oct	10		0.00	0.00	0																		
20-Oct	24-Oct	4	L,Z	4.89	4.80	8282		5.16	5.80	6.70	0.430	0.030	0.090	0.040	0.010	0.800	0.160	0.350	V	V		V	V	0
24-Oct	31-Oct	7		1.05	1.04	1795	4.96	4.97	6.60	8.20	0.510	0.030	0.120	0.050	0.020	0.990	0.110	0.400	V	V	V	V	V	0
31-Oct	07-Nov	7	Z	0.08	0.07	124		4.83	14.50	14.40	0.990	0.050	0.170	0.120	0.040	1.760	0.340	0.840	V	V		V	V	0
07-Nov	14-Nov	7		0.42	0.39	680	5.31	5.15	3.10	3.50	0.040	0.020	0.050	0.010	0.010	0.040	0.020	0.100	V	V	V	L	L	0
14-Nov	28-Nov	14		3.45	3.42	5892	5.30	5.26	5.20	4.90	0.280	0.010	0.050	0.020	0.030	0.520	0.020	0.220	V	V	V	L	L	0
28-Nov	05-Dec	7		1.95	1.97	3400	5.35	5.37	1.90	2.40	0.030	0.004	0.030	0.010	0.010	0.040	0.110	0.100	V	V	V	L	L	0
05-Dec	12-Dec	7		1.50	1.44	2483	5.26	5.32	2.60	2.80	0.050	0.020	0.030	0.010	0.010	0.090	0.020	0.100	V	V	V	L	L	0
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		1.45	1.38	2381	5.24	5.26	4.80	5.10	0.360	0.020	0.140	0.050	0.010	0.540	0.020	0.250	V	V	V	L	L	0
02-Jan	08-Jan	6		9.61	9.46	16302	5.21	5.51	2.90	4.90	0.380	0.020	0.060	0.030	0.040	0.650	0.020	0.100	V	V	V	L	L	0
08-Jan	16-Jan	8	Z	3.55	3.50	6038	5.38	5.31	3.30	3.30	0.150	0.010	0.100	0.030	0.010	0.230	0.020	0.100	V	V	V	L	L	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		3.14	3.07	5293	5.23	5.17	17.00	17.70	2.090	0.100	0.210	0.170	0.030	3.750	0.090	0.890	V	V	V	V	V	0
30-Jan	06-Feb	7		5.79	5.57	9604	5.14	5.18	14.80	17.90	1.840	0.090	0.350	0.200	0.015	3.350	0.020	0.980	V	V	V	L	L	0
06-Feb	13-Feb	7		4.22	4.01	6912	5.19	5.22	6.20	8.60	0.740	0.040	0.210	0.110	0.015	1.290	0.050	0.370	V	V	V	V	V	0
13-Feb	20-Feb	7		2.70	2.72	4692	5.53	5.35	6.90	7.20	0.610	0.040	0.110	0.060	0.015	0.970	0.020	0.230	V	V	V	L	L	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		2.65	2.49	4297	5.42	5.22	6.40	7.20	0.550	0.010	0.100	0.040	0.080	1.100	0.160	0.320	V	V	V	V	V	0
06-Mar	13-Mar	7		3.26	3.22	5559	5.21	5.26	5.50	5.90	0.370	0.004	0.140	0.050	0.015	0.620	0.180	0.260	V	V	V	L	L	0
13-Mar	20-Mar	7		0.45	0.36	629	4.91	5.07	5.40	4.30	0.110	0.020	0.170	0.050	0.015	0.150	0.200	0.270	V	V	V	V	S	1
20-Mar	27-Mar	7		0.25	0.23	404	4.95	5.13	6.50	5.10	0.090	0.040	0.170	0.050	0.015	0.150	0.460	0.280	V	V	V	V	V	0
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.08	0.06	95	5.01	5.45	11.60	10.50	0.730	0.740	0.180	0.040	0.015	1.460	0.020	0.700	V	V	V	L	L	0
17-Apr	24-Apr	7		2.36	2.34	4040	5.44	5.45	2.40	2.90	0.060	0.004	0.080	0.010	0.015	0.070	0.170	0.250	V	V	V	L	L	0
24-Apr	01-May	7		0.60	0.60	1039	5.17	5.38	3.00	3.20	0.080	0.004	0.170	0.020	0.015	0.020	0.020	0.270	V	V	V	L	L	0
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		3.27	3.20	5519	5.21	5.26	4.80	5.40	0.310	0.020	0.210	0.050	0.015	0.610	0.170	0.290	V	V	V	V	V	0
22-May	29-May	7		2.15	2.07	3562	5.12	5.42	3.60	3.70	0.110	0.020	0.150	0.030	0.015	0.180	0.020	0.240	V	V	V	L	L	0
29-May	05-Jun	7		5.15	5.09	8783	5.07	5.04	8.30	9.30	0.640	0.030	0.140	0.070	0.015	1.220	0.200	0.530	V	V	V	V	V	0
05-Jun	12-Jun	7		0.95	0.89	1534	5.33	5.30	2.40	3.30	0.060	0.004	0.130	0.020	0.020	0.150	0.020	0.250	V	V	V	L	L	0
12-Jun	21-Jun	9		0.00	0.00	0																		
21-Jun	27-Jun	6		0.00	0.00	0																		
27-Jun	03-Jul	6		0.15	0.15	250	5.20	5.31	4.90	5.40	0.350	0.100	0.070	0.060	0.040	0.550	0.020	0.340	V	V	V	L	L	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LAKE ISABELLA SITE NUMBER: 1500245 BASIN: SAN JOAQUIN VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
03-Jul	01-Aug	29		0.00	0.00	0																		
01-Aug	07-Aug	6		0.00	0.00	0																		
07-Aug	14-Aug	7		0.00	0.00	0																		
14-Aug	21-Aug	7		0.00	0.00	0																		
21-Aug	28-Aug	7		0.00	0.00	0																		
28-Aug	05-Sep	8		0.00	0.00	0																		
05-Sep	11-Sep	6		0.00	0.00	0																		
11-Sep	18-Sep	7		0.50	0.51	875	5.36	5.19	5.30	5.60	0.070	0.040	0.070	0.010	0.130	0.080	0.750	0.330	V	V	V	L	L	0
18-Sep	25-Sep	7		0.00	0.05	93	5.26	5.40	2.40	3.20	0.080	0.040	0.030	0.010	0.010	0.140	0.080	0.130	V	U	V	L	L	0
25-Sep	02-Oct	7		0.00	0.00	0																		
02-Oct	10-Oct	8		0.00	0.00	0																		
10-Oct	16-Oct	6		0.00	0.00	0																		
16-Oct	23-Oct	7		0.00	0.00	0																		
23-Oct	30-Oct	7	L	0.11	0.11	185	4.87	5.24	12.00	12.60	0.530	0.090	0.310	0.090	0.330	0.960	1.600	0.880	V	V	V	V	V	0
30-Oct	06-Nov	7		0.00	0.00	0																		
06-Nov	13-Nov	7		0.00	0.00	0																		
13-Nov	20-Nov	7		0.00	0.00	0																		
20-Nov	27-Nov	7		0.35	0.36	615	5.79	5.46	5.70	6.00	0.350	0.110	0.180	0.050	0.110	0.660	0.020	0.410	V	V	V	L	L	0
27-Nov	04-Dec	7		0.00	0.00	0																		
04-Dec	11-Dec	7		0.00	0.00	0																		
11-Dec	18-Dec	7		0.00	0.00	0																		
18-Dec	26-Dec	8		0.00	0.00	0																		
26-Dec	02-Jan	7		0.30	0.30	524	5.29	5.19	3.80	4.20	0.080	0.020	0.140	0.030	0.030	0.100	0.470	0.340	V	V	V	V	V	0
02-Jan	08-Jan	6		0.00	0.00	0																		
08-Jan	16-Jan	8		0.39	0.37	645	5.06	5.07	7.40	8.00	0.150	0.020	0.290	0.040	0.120	0.260	0.940	0.500	V	V	V	V	V	0
16-Jan	22-Jan	6		0.37	0.39	671	5.39	5.38	3.40	3.70	0.140	0.030	0.180	0.090	0.030	0.110	0.320	0.220	V	V	V	V	V	0
22-Jan	30-Jan	8		0.00	0.00	0																		
30-Jan	06-Feb	7		0.20	0.20	353	5.47	5.41	7.30	7.90	0.520	0.210	0.260	0.070	0.020	0.820	0.600	0.450	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		0.80	0.69	1192	6.05	5.73	4.60	4.90	0.150	0.020	0.380	0.060	0.015	0.070	0.420	0.620	V	V	V	V	V	0
20-Feb	26-Feb	6		0.00	0.00	0																		
26-Feb	05-Mar	7	Z	0.15	0.14	239	5.40	5.11		9.50	0.320	0.020	0.340	0.100	0.320	0.490	1.070	0.810	V	V	V	V	V	0
05-Mar	12-Mar	7		0.40	0.35	601	5.50	5.28	8.60	4.60	0.120	0.004	0.100	0.030	0.130	0.190	0.390	0.340	V	V	V	L	L	0
12-Mar	21-Mar	9		0.00	0.00	0																		
21-Mar	27-Mar	6		0.00	0.00	0																		
27-Mar	19-Apr	23	Z	0.30	0.26	454	5.24	5.29	6.20	6.30	0.190	0.040	0.330	0.080	0.200	0.300	0.820	0.440	V	V	V	V	V	1
19-Apr	25-Apr	6		0.14	0.12	215	6.09	6.09	9.50	9.50	0.170	0.040	0.250	0.060	0.800	0.250	0.980	1.320	V	V	V	V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	24-May	8		0.00	0.00	0																		
24-May	30-May	6		0.21	0.19	330	5.81	5.79	7.30	7.70	0.190	0.040	0.340	0.060	0.380	0.350	1.240	0.670	V	V	V	V	V	0
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7	Z	0.02	0.01	9		4.82		53.50									S	U				1
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: LYNWOOD SITE NUMBER: 7000084 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
03-Jul	10-Jul	7		0.00	0.00	0																		
10-Jul	17-Jul	7		0.00	0.00	0																		
17-Jul	24-Jul	7		0.00	0.00	0																		
24-Jul	31-Jul	7		0.00	0.00	0																		
31-Jul	07-Aug	7		0.00	0.00	0																		
07-Aug	14-Aug	7		0.00	0.00	0																		
14-Aug	21-Aug	7		0.00	0.00	0																		
21-Aug	28-Aug	7		0.00	0.00	0																		
28-Aug	05-Sep	8		0.00	0.00	0																		
05-Sep	11-Sep	6		0.00	0.00	0																		
11-Sep	18-Sep	7		0.05	0.08	130		3.84		81.80	0.590	0.110	0.710	0.140	1.060	0.970	8.560	3.330	V	U		V	V	0
18-Sep	25-Sep	7		0.29	0.28	490		5.14		6.90	0.200	0.030	0.190	0.050	0.140	0.390	0.470	0.490	V	V		V	V	0
25-Sep	02-Oct	7		0.00	0.00	0																		
02-Oct	10-Oct	8		0.00	0.00	0																		
10-Oct	16-Oct	6		0.00	0.00	0																		
16-Oct	23-Oct	7		0.42	0.49	846		4.61		24.70	0.490	0.060	0.220	0.080	1.030	0.880	1.960	3.060	V	V		V	V	0
23-Oct	30-Oct	7		.	0.01	20		5.87		27.00	.	.	0.450	0.170	1.240	2.090	2.230	1.990	S	M		M	M	1
30-Oct	06-Nov	7		0.00	0.00	0																		
06-Nov	13-Nov	7		0.00	0.00	0																		
13-Nov	20-Nov	7		0.00	0.00	0																		
20-Nov	29-Nov	9		0.26	0.28	480		4.93		10.30	0.250	0.020	0.130	0.040	0.240	0.360	0.550	0.990	V	V		V	V	0
29-Nov	04-Dec	5		0.00	0.00	0																		
04-Dec	12-Dec	8		0.00	0.00	0																		
12-Dec	20-Dec	8		0.00	0.00	0																		
20-Dec	27-Dec	7		0.00	0.00	0																		
27-Dec	03-Jan	7		0.60	0.61	1052		5.39		9.00	0.660	0.050	0.230	0.080	0.180	1.260	0.360	0.590	V	V		V	V	0
03-Jan	08-Jan	5		.	0.00	0														M				0
08-Jan	17-Jan	9		1.17	1.16	2005		4.95		16.00	1.070	0.060	0.180	0.130	0.340	2.040	0.620	1.430	V	V		V	V	0
17-Jan	22-Jan	5		0.04	0.03	58		5.54		37.70	1.220	0.170	1.190	0.310	2.230	2.000	7.900	2.600	V	U		V	V	0
22-Jan	29-Jan	7		0.00	0.00	0																		
29-Jan	05-Feb	7		0.35	0.29	504		5.04		16.30	0.740	0.060	0.390	0.130	0.540	1.160	1.580	1.410	V	V		V	V	0
05-Feb	14-Feb	9		0.00	0.00	0																		
14-Feb	20-Feb	6		2.90	3.04	5235		4.88		13.40	0.610	0.030	0.230	0.090	0.250	1.020	0.330	1.230	V	V		V	V	0
20-Feb	26-Feb	6		0.00	0.00	0																		
26-Feb	05-Mar	7	L	.	0.04	72		4.60		41.60	2.160	0.160	0.940	0.420	0.820	3.490	3.620	3.900	V	M		V	V	0
05-Mar	12-Mar	7		0.15	0.11	188		4.38		32.60	0.670	0.040	0.600	0.180	0.950	1.120	2.690	3.220	V	V		V	V	0
12-Mar	19-Mar	7		0.04	0.03	57		5.79		42.00	3.410	0.210	1.280	0.490	0.820	5.350	2.930	2.910	V	U		V	V	0
19-Mar	26-Mar	7		0.00	0.00	0																		
26-Mar	02-Apr	7		0.00	0.00	0																		
02-Apr	09-Apr	7		0.37	0.36	620		5.19		9.50	0.100	0.010	0.240	0.050	0.490	0.170	1.240	0.920	V	V		V	V	0
09-Apr	16-Apr	7		.	0.02	39		4.60		50.30	3.920	0.220	1.390	0.570	2.360	4.830	4.980	3.800	V	M		S	S	2
16-Apr	23-Apr	7		0.00	0.01	25		4.07		99.30									S	U				1
23-Apr	30-Apr	7		0.13	0.12	205		6.07		34.70	0.610	0.030	0.560	0.130	1.910	1.140	3.090	5.020	V	V		V	V	0
30-Apr	07-May	7		.	0.00	0														M				0
07-May	14-May	7		0.00	0.00	0																		
14-May	21-May	7		0.00	0.00	0																		
21-May	29-May	8		1.00	0.97	1670		5.07		7.60	0.150	0.010	0.270	0.050	0.160	0.300	0.290	0.780	V	V		V	V	0
29-May	04-Jun	6		0.00	0.00	0																		
04-Jun	11-Jun	7		0.00	0.00	0																		
11-Jun	18-Jun	7		0.02	0.02	32		4.49		132.00	.	.	.	.	3.290	16.500	6.000	11.600	S	U		M	M	1
18-Jun	25-Jun	7		0.00	0.00	0																		
25-Jun	02-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MONTAGUE SITE NUMBER: 4700870 BASIN: N.E. PLATEAU YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
03-Jul	11-Jul	8		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.05	.	.													M	M				0
08-Aug	15-Aug	7		0.20	0.18	304	4.41	4.58	24.20	22.10	0.070	0.070	0.490	0.090	0.530	0.290	2.990	1.450	V	V	V	V	V	0
15-Aug	22-Aug	7		0.05	0.04	64		5.80		3.30	0.030	0.030	0.140	0.040	0.010	0.070	0.250	0.230	V	U		V	V	0
22-Aug	29-Aug	7		0.00	0.00	8		5.41		11.40									S	U				1
29-Aug	05-Sep	7		0.15	0.13	220	4.57	4.56	14.90	14.70	0.050	0.050	0.170	0.040	0.210	0.090	1.430	0.990	V	V	V	V	V	0
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		2.30	2.20	3796	5.04	5.30	4.10	3.20	0.010	0.010	0.070	0.010	0.030	0.040	0.200	0.100	V	V	V	L	L	0
19-Sep	26-Sep	7		0.05	0.06	96		5.44		6.80	0.100	0.050	0.220	0.040	0.200	0.230	0.790	0.610	V	U		V	V	0
26-Sep	03-Oct	7		0.00	0.04	65		5.00		13.50	0.090	0.040	0.500	0.110	0.610	0.170	1.850	1.670	V	U		V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		0.75	0.72	1239	5.28	5.55	2.20	2.30	0.010	0.010	0.050	0.010	0.010	0.040	0.110	0.100	V	V	V	L	L	0
24-Oct	31-Oct	7		0.20	0.17	301	5.24	5.51	2.50	2.90	0.060	0.010	0.090	0.010	0.010	0.100	0.150	0.100	V	V	V	L	L	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.80	0.74	1273	5.65	5.64	2.10	2.20	0.010	0.004	0.020	0.010	0.040	0.020	0.150	0.100	V	V	V	L	L	0
28-Nov	05-Dec	7		0.03	0.03	53		6.33		4.90	0.080	0.020	0.150	0.070	0.240	0.090	0.340	0.230	V	U		V	V	0
05-Dec	12-Dec	7		0.15	0.14	244	5.70	5.67	2.30	3.10	0.030	0.190	0.080	0.010	0.130	0.130	0.340	0.100	V	V	V	L	L	0
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.05	0.03	50		6.34		7.00	0.130	0.200	0.270	0.100	0.370	0.310	0.500	0.280	V	U		V	V	0
02-Jan	09-Jan	7		2.18	2.05	3534	5.58	5.53	2.20	2.20	0.010	0.050	0.080	0.020	0.040	0.060	0.170	0.100	V	V	V	V	V	0
09-Jan	16-Jan	7		0.23	0.25	433	5.56	5.33	3.30	3.40	0.020	0.020	0.050	0.010	0.140	0.020	0.630	0.100	V	V	V	L	L	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.20	0.22	382		5.81	1.90	2.00	0.050	0.004	0.070	0.020	0.030	0.050	0.080	0.100	V	V		L	L	0
30-Jan	06-Feb	7	Z	0.20	0.19	327		5.63	5.20	3.20	0.100	0.020	0.080	0.040	0.110	0.070	0.370	0.210	V	V		V	V	0
06-Feb	13-Feb	7		0.00	0.01	19		5.96		6.30									S	U				1
13-Feb	20-Feb	7	Z	0.30	0.16	268		5.24	3.80	4.00	0.050	0.020	0.150	0.030	0.070	0.040	0.360	0.280	V	V		V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.70	0.74	1275	5.80	5.80	3.20	2.90	0.020	0.020	0.020	0.003	0.210	0.040	0.330	0.200	V	V	V	L	L	0
06-Mar	13-Mar	7		0.30	0.28	479	5.58	5.62	3.40	3.40	0.020	0.020	0.080	0.020	0.150	0.060	0.510	0.300	V	V	V	L	L	0
13-Mar	20-Mar	7		0.13	0.14	238	5.65	5.45	3.70	4.00	0.030	0.010	0.200	0.060	0.080	0.040	0.760	0.100	V	V	V	V	V	0
20-Mar	27-Mar	7		0.05	0.07	123	5.68	5.95	2.70	2.90	0.050	0.030	0.120	0.020	0.150	0.140	0.380	0.200	V	U	V	V	V	0
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.05	0.05	88		4.80		25.80	0.300	0.190	0.730	0.140	1.050	0.220	4.300	2.430	V	U		V	V	0
10-Apr	17-Apr	7		0.30	0.29	500	5.14	5.45	7.50	4.90	0.140	0.010	0.150	0.030	0.090	0.040	0.600	0.470	V	V	V	V	V	0
17-Apr	24-Apr	7		0.35	0.35	600	5.64	5.77	2.40	2.70	0.070	0.040	0.140	0.040	0.110	0.040	0.290	0.260	V	V	V	V	V	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		1.05	1.01	1749		5.51	3.00	3.20	0.020	0.020	0.210	0.030	0.090	0.060	0.370	0.220	V	V		L	L	0
22-May	29-May	7		1.35	1.33	2290	5.62	5.49	2.20	2.30	0.010	0.010	0.150	0.020	0.050	0.020	0.150	0.200	V	V	V	L	L	0
29-May	05-Jun	7		0.40	0.46	792	5.74	5.56	3.10	3.40	0.030	0.030	0.020	0.010	0.100	0.080	0.360	0.320	V	V	V	L	L	0
05-Jun	12-Jun	7		0.00	0.00	3													S	U				1
12-Jun	19-Jun	7		0.75	0.69	1187	5.05	4.98	6.50	6.70	0.050	0.050	0.090	0.020	0.080	0.060	0.540	0.470	V	V	V	V	V	0
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.01	23													S	U				1

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: MT WILSON SITE NUMBER: 7000584 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	18-Jul	6		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		.	.	.													M	M				0
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		1.23	1.23	2115		4.58		16.10	0.060	0.050	0.130	0.020	0.190	0.090	1.550	0.670	V	V		V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		1.30	1.54	2650		5.26		4.30	0.040	0.010	0.020	0.004	0.150	0.070	0.270	0.270	V	V		V	V	0
24-Oct	30-Oct	6		0.24	0.27	464		5.07		7.60	0.110	0.040	0.040	0.010	0.200	0.160	1.170	0.300	V	V		L	L	0
30-Oct	07-Nov	8		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.81	0.88	1512		5.08		5.70	0.080	0.010	0.030	0.010	0.110	0.060	0.480	0.320	V	V		L	L	0
28-Nov	06-Dec	8		0.00	0.00	0																		
06-Dec	12-Dec	6		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.59	0.63	1082		4.62		16.70	0.390	0.030	0.260	0.090	0.280	0.660	1.750	0.840	V	V		V	V	0
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		4.15	4.12	7109		5.12		8.00	0.280	0.010	0.110	0.050	0.190	0.430	0.500	0.660	V	V		V	V	0
16-Jan	23-Jan	7		0.94	1.09	1872		5.02		9.90	0.380	0.020	0.100	0.050	0.230	0.630	0.790	0.620	V	V		V	V	0
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.71	0.79	1363		4.88		9.00	0.130	0.010	0.210	0.050	0.150	0.140	1.050	0.500	V	V		V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	21-Feb	8		3.94	4.15	7158		5.18		4.70	0.120	0.004	0.150	0.050	0.040	0.130	0.240	0.340	V	V		L	L	0
21-Feb	27-Feb	6		0.00	0.00	0																		
27-Feb	06-Mar	7		.	0.14	245		4.95		17.20	0.990	0.060	0.360	0.120	0.380	1.440	1.490	0.940	V	M		V	V	0
06-Mar	13-Mar	7		0.33	0.33	564		4.65		18.00	0.340	0.040	0.240	0.060	0.470	0.530	2.160	1.090	V	V		V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.03	0.02	29		4.29		85.00									S	U				1
03-Apr	10-Apr	7		0.11	0.14	242		5.31		5.00	0.060	0.030	0.140	0.050	0.100	0.080	0.580	0.330	V	V		V	V	0
10-Apr	17-Apr	7		1.50	1.47	2528		4.98		11.60	0.270	0.020	0.300	0.090	0.380	0.400	1.200	0.860	V	V		V	V	0
17-Apr	25-Apr	8		0.28	0.28	486		4.69		12.90	0.070	0.004	0.160	0.050	0.100	0.100	1.380	0.730	V	V		L	L	0
25-Apr	01-May	6		0.02	0.01	10		5.46		30.90									S	U				1
01-May	10-May	9		0.00	0.00	0																		
10-May	15-May	5		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	30-May	8		2.02	2.05	3540		5.19		5.30	0.090	0.020	0.230	0.040	0.080	0.170	0.420	0.320	V	V		V	V	0
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	12-Jun	6		0.00	0.00	0																		
12-Jun	19-Jun	7		0.02	0.02	37		4.32		67.10	4.970	0.220	1.360	0.620	0.950	8.680	4.450	4.090	V	U		V	V	0
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: NAPA SITE NUMBER: 2800783 BASIN: S.F. BAY AREA YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.03	0.03	53		5.06		15.80	0.370	0.080	0.680	0.160	0.450	0.870	2.310	1.550	V	U		V	V	0
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		2.25	2.11	3639	4.96	5.10	8.80	8.20	0.140	0.030	0.180	0.040	0.270	0.220	0.890	0.660	V	V	V	V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.20	0.18	313	4.75	4.82	14.10	13.60	0.160	0.330	0.200	0.040	0.280	0.160	1.850	0.830	V	V	V	V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		2.27	2.14	3689	5.30	5.04	6.20	6.50	0.360	0.020	0.090	0.040	0.030	0.650	0.260	0.420	V	V	V	V	V	0
24-Oct	31-Oct	7		0.11	0.10	167	5.41	5.27	22.80	23.00	2.330	0.100	0.230	0.210	0.360	4.520	0.570	1.280	V	V	V	V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		1.80	1.67	2881	5.18	5.23	6.00	6.20	0.320	0.020	0.060	0.030	0.050	0.530	0.230	0.370	V	V	V	V	V	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.39	0.40	686	5.09	5.30	6.40	5.80	0.320	0.020	0.050	0.030	0.170	0.480	0.250	0.320	V	V	V	V	V	0
02-Jan	09-Jan	7		1.43	1.37	2359	4.59	4.67	19.90	19.50	0.930	0.040	0.140	0.130	0.320	1.510	1.400	1.390	V	V	V	V	V	0
09-Jan	16-Jan	7		3.05	2.89	4989	5.04	4.94	9.30	9.70	0.500	0.030	0.210	0.080	0.130	0.910	0.390	0.670	V	V	V	V	V	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.17	0.18	303	5.24	5.45	15.00	14.70	1.260	0.050	0.210	0.130	0.340	2.340	0.800	0.940	V	V	V	V	V	0
30-Jan	06-Feb	7		1.36	1.25	2162	5.13	5.14	8.10	7.70	0.410	0.020	0.130	0.050	0.130	0.650	0.450	0.550	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		2.05	1.96	3383	5.29	5.28	7.80	7.80	0.610	0.030	0.150	0.060	0.100	0.020	0.180	0.380	V	V	V	L	L	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.92	0.93	1610	4.93	5.07	7.30	7.30	0.120	0.010	0.250	0.040	0.200	0.310	0.540	0.590	V	V	V	V	V	0
06-Mar	13-Mar	7		0.28	0.29	506	4.91	4.97	12.00	12.30	0.580	0.040	0.180	0.080	0.370	0.970	1.030	0.940	V	V	V	V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.01	0.01	13		4.50		46.80									S	U				1
17-Apr	24-Apr	7		0.27	0.28	487	6.28	6.27	6.00	6.10	0.060	0.004	0.260	0.020	0.540	0.100	0.420	0.410	V	V	V	L	L	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.52	0.52	897	5.24	5.24	9.30	10.00	0.660	0.040	0.240	0.090	0.140	1.320	0.380	0.740	V	V	V	V	V	0
22-May	29-May	7		2.18	2.14	3689	5.10	5.11	5.10	6.20	0.080	0.010	0.190	0.030	0.130	0.180	0.310	0.500	V	V	V	V	V	0
29-May	05-Jun	7		0.82	0.81	1390	4.95	5.11	12.90	13.40	0.920	0.040	0.160	0.100	0.170	1.630	0.530	1.060	V	V	V	V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: PASADENA SITE NUMBER: 7000088 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches		ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.83	0.79	1366		4.29		32.80	0.300	0.040	0.227	0.056	0.750	0.490	4.260	1.850	V	V		V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.00	0.00	0																		
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		0.40	0.37	642		4.96		10.50	0.140	0.030	0.090	0.020	0.410	0.210	1.000	0.870	V	V		V	V	0
24-Oct	30-Oct	6		0.05	0.06	97		5.06		17.10	0.420	0.080	0.300	0.070	0.980	0.690	3.570	0.960	V	U		V	V	0
30-Oct	06-Nov	7		0.00	0.00	0																		
06-Nov	14-Nov	8		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.43	0.47	808		4.67		13.80	0.250	0.010	0.110	0.040	0.320	0.410	1.270	1.010	V	V		V	V	0
28-Nov	06-Dec	8		0.00	0.00	0																		
06-Dec	12-Dec	6		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	27-Dec	8		0.00	0.00	0																		
27-Dec	02-Jan	6		0.25	0.44	751		5.35		8.90	0.430	0.060	0.190	0.060	0.290	0.760	0.810	0.570	V	S		V	V	1
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		1.62	1.62	2789		4.97		14.90	0.760	0.030	0.400	0.130	0.410	1.160	0.930	1.450	V	V		V	V	0
16-Jan	23-Jan	7		0.89	0.93	1595		4.99		15.20	0.420	0.030	0.290	0.080	0.760	0.790	2.130	1.250	V	V		V	V	0
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.78	0.89	1528		4.72		14.90	0.390	0.030	0.380	0.090	0.270	0.630	1.480	0.910	V	V		V	V	0
06-Feb	14-Feb	8	L	.	0.15	251		4.39		78.40	6.440	0.290	0.980	0.880	1.200	9.530	6.910	3.360	V	M		V	V	0
14-Feb	21-Feb	7		3.69	3.67	6335		5.06		8.00	0.290	0.020	0.100	0.070	0.110	0.410	0.430	0.580	V	V		V	V	0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.00	0.01	10		3.60		19.30									S	U				1
07-Mar	14-Mar	7		0.34	0.33	574		4.65		32.10	1.480	0.280	0.600	0.200	0.740	2.400	4.350	2.050	V	V		V	V	0
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.00	0.00	0																		
28-Mar	04-Apr	7		0.20	0.22	372		5.72		13.00	0.240	0.040	0.450	0.100	0.830	0.260	2.670	1.250	V	V		V	V	0
04-Apr	11-Apr	7		0.00	0.00	0																		
11-Apr	18-Apr	7		0.24	0.28	482		4.58		34.70	0.990	0.090	0.770	0.210	1.290	1.520	5.550	2.390	V	V		V	V	0
18-Apr	25-Apr	7		0.19	0.20	344		4.11		52.00	0.570	0.020	0.510	0.120	0.900	0.930	5.300	4.000	V	V		V	V	0
25-Apr	02-May	7		0.09	0.10	181		6.61		64.60	1.240	0.290	1.660	0.620	1.780	9.350	5.620	4.210	V	V		S	V	1
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		1.40	1.34	2315		5.04		6.30	0.050	0.110	0.270	0.050	0.070	0.100	0.350	0.530	V	V		V	V	0
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.00	0																		
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	26-Jun	6		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: QUINCY SITE NUMBER: 3200821 BASIN: MOUNTAIN COUNTIES YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
							FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches		ml			uS/cm		mg/L													
04-Jul	11-Jul	7		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.30	0.31	540	4.50	4.62	15.40	14.10	0.080	0.040	0.160	0.030	0.150	0.260	1.340	0.820	V	V	V	V	V	0
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.30	0.29	500	4.54	4.60	19.10	17.40	0.150	0.100	0.190	0.050	0.284	0.340	1.960	1.080	V	V	V	V	V	0
22-Aug	01-Sep	10		0.30	0.37	640	4.99	5.06	7.50	8.00	0.060	0.090	0.200	0.030	0.150	0.090	1.070	0.470	V	V	V	V	V	0
01-Sep	05-Sep	4		0.00	0.00	0																		
05-Sep	12-Sep	7		0.10	0.08	132	4.31	4.39	30.80	33.30	0.790	0.290	0.520	0.140	0.470	0.660	4.960	2.430	V	V	V	V	V	0
12-Sep	19-Sep	7		2.35	2.22	3820	5.06	5.30	4.30	3.70	0.020	0.010	0.090	0.020	0.090	0.060	0.310	0.100	V	V	V	L	L	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.13	0.10	164	4.68	4.90	18.00	16.80	0.230	0.160	0.380	0.070	0.610	0.410	2.460	1.670	V	V	S	V	V	1
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	18-Oct	8		0.00	0.00	0																		
18-Oct	24-Oct	6		5.75	6.47	11160	5.07	5.19	4.10	4.60	0.080	0.020	0.060	0.020	0.010	0.140	0.320	0.260	V	V	V	V	V	0
24-Oct	01-Nov	8		0.40	0.29	500	5.14	5.28	3.50	3.80	0.050	0.020	0.040	0.010	0.010	0.080	0.200	0.220	V	V	V	L	L	0
01-Nov	07-Nov	6		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		3.75	3.43	5920	5.30	5.36	3.50	3.10	0.020	0.010	0.050	0.010	0.030	0.020	0.170	0.100	V	V	V	L	L	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.18	0.16	280	5.18	5.17	2.80	5.50	0.090	0.070	0.220	0.050	0.130	0.060	0.490	0.340	V	V	V	S	V	1
02-Jan	09-Jan	7	Z	0.70	0.58	1000		4.99	3.20	5.30	0.010	0.010	0.090	0.030	0.020	0.140	0.170	0.100	V	V		V	V	0
09-Jan	16-Jan	7		5.55	5.37	9260	5.19	5.17	3.70	3.70	0.010	0.010	0.070	0.020	0.030	0.020	0.230	0.100	V	V	V	L	L	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.85	0.78	1350	5.17	5.40	3.00	2.90	0.090	0.020	0.160	0.040	0.010	0.040	0.240	0.100	V	V	V	V	V	0
30-Jan	06-Feb	7		1.44	1.47	2540	4.97	5.24	4.70	3.80	0.030	0.004	0.070	0.020	0.015	0.020	0.240	0.100	V	V	V	L	L	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7	L	.	0.88	1520	4.81	5.24	4.00	3.30	0.020	0.010	0.070	0.020	0.015	0.020	0.090	0.100	V	M	V	L	L	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.85	0.75	1300	4.91	5.10	7.90	4.90	0.040	0.010	0.150	0.060	0.015	0.060	0.280	0.270	V	V	V	V	V	0
06-Mar	13-Mar	7		1.30	1.32	2270	4.82	4.79	7.10	9.10	0.100	0.020	0.080	0.030	0.080	0.230	0.400	0.600	V	V	V	V	V	0
13-Mar	20-Mar	7		.	0.02	32		5.04		6.90	.	.	0.160	0.070	0.040	0.370	0.520	0.280	S	M		M	M	1
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.40	0.34	580	4.51	4.77	16.50	13.50	0.150	0.050	0.380	0.100	0.290	0.100	1.350	1.010	V	V	S	S	V	2
10-Apr	17-Apr	7		0.00	0.00	0																		
17-Apr	24-Apr	7		1.05	0.96	1650	5.12		5.20		.	.	.	.	.	.	.	.	V	V		M	M	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		1.45	1.43	2460	5.50	5.36	2.90	3.00	0.030	0.030	0.160	0.020	0.015	0.080	0.190	0.100	V	V	V	V	V	0
22-May	29-May	7		1.95	1.95	3360	5.43	5.14	3.60	4.80	0.030	0.050	0.230	0.040	0.015	0.080	0.160	0.390	V	V	V	V	V	0
29-May	05-Jun	7		1.60	1.63	2810	4.84	4.74	8.80	10.90	0.140	0.040	0.230	0.050	0.050	0.320	0.450	0.770	V	V	V	V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.05	0.08	133	4.24	4.32	30.10	32.40	0.310	0.260	0.440	0.090	0.460	0.520	4.780	1.470	V	U	V	V	V	0
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: RESEDA SITE NUMBER: 7000074 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.35	0.31	543		4.54		19.80	0.160	0.060	0.250	0.040	0.360	0.260	3.070	0.840	V	V		V	V	0
19-Sep	27-Sep	8		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.39	0.38	662		4.70		19.00	0.300	0.080	0.240	0.060	0.680	0.470	2.160	1.720	V	V		V	V	0
25-Oct	09-Nov	15	C	0.00	.	.													M	M				0
09-Nov	15-Nov	6		0.00	0.00	0																		
15-Nov	20-Nov	5		0.00	0.00	0																		
20-Nov	01-Dec	11		0.29	0.30	515		5.30		5.30	0.190	0.020	0.060	0.020	0.100	0.370	0.430	0.260	V	V		V	V	0
01-Dec	06-Dec	5		0.00	0.00	0																		
06-Dec	12-Dec	6		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	03-Jan	8	L	---	0.43	742		5.11		11.60	0.450	0.070	0.300	0.090	0.380	0.490	1.750	0.740	V	M		V	V	0
03-Jan	10-Jan	7		0.00	0.00	0																		
10-Jan	17-Jan	7		1.44	1.37	2364		5.24		14.60	1.290	0.060	0.280	0.090	0.290	2.130	0.580	1.150	V	V		V	V	0
17-Jan	24-Jan	7		0.00	0.00	0																		
24-Jan	31-Jan	7		0.08	0.00	2		5.58		10.50									S	S				2
31-Jan	07-Feb	7	L	.	0.46	790		5.07		8.20	0.220	0.020	0.160	0.050	0.220	0.330	0.900	0.440	V	M		V	V	0
07-Feb	13-Feb	6		0.00	0.00	0																		
13-Feb	20-Feb	7		1.98	1.96	3385		5.13		6.90	0.320	0.010	0.160	0.060	0.080	0.550	0.290	0.460	V	V		V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.00	0.00	0																		
06-Mar	13-Mar	7		0.18	0.16	278		5.22		17.80	0.920	0.050	0.500	0.150	0.590	1.480	2.000	1.220	V	V		V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7	L	0.08	0.01	14		4.22		95.50									S	S				2
03-Apr	10-Apr	7		0.32	0.33	562		5.65		5.00	0.050	0.010	0.120	0.040	0.290	0.110	0.610	0.470	V	V		V	V	0
10-Apr	17-Apr	7		0.08	0.09	148		4.42		34.30	1.060	0.080	0.540	0.210	0.800	1.750	2.660	2.750	V	V		V	V	0
17-Apr	25-Apr	8		0.07	0.07	118		4.89		21.70	0.440	0.020	0.680	0.150	1.070	0.700	3.480	2.160	V	V		V	V	0
25-Apr	01-May	6		0.02	0.02	26		7.14		74.50	.	.	.	.	1.220	6.100	6.190	4.660	S	U		M	M	1
01-May	09-May	8		0.00	0.00	0																		
09-May	15-May	6		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	30-May	8		0.60	0.61	1058		5.25		6.30	0.150	0.020	0.260	0.050	0.160	0.280	0.560	0.390	V	V		V	V	0
30-May	04-Jun	5		0.00	0.00	0																		
04-Jun	12-Jun	8		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SACRAMENTO T SITE NUMBER: 3400305 BASIN: SACRAMENTO VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH		CONDUCTIVITY		ION CONCENTRATIONS (lab)								FLAGS					
				inches	inches	ml	FIELD	LAB	FIELD	LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
									uS/cm		mg/L													
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7	G	0.00	0.00	0																		
18-Jul	25-Jul	7	G	0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.45	0.47	817	4.50	4.89	31.50	19.20	0.340	0.220	0.420	0.100	0.810	0.590	2.890	2.020	V	V	S	V	V	1
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7	J	0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7	J	0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		2.47	2.49	4288	5.11	5.14	7.60	6.50	0.050	0.010	0.060	0.010	0.300	0.090	0.670	0.480	V	V	V	L	L	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.70	0.66	1141	5.47	4.94		9.00	0.060	0.010	0.150	0.030	0.350	0.120	0.980	0.660	V	V	S	V	V	1
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7	Z	1.10	1.08	1861		5.42	5.30	5.30	0.140	0.040	0.090	0.020	0.300	0.230	0.320	0.470	V	V		V	V	0
24-Oct	31-Oct	7		0.20	0.17	301	4.82	4.75	21.30	21.90	1.410	0.070	0.250	0.150	0.420	2.140	1.290	1.630	V	V	V	V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		1.25	1.23	2122	6.30	6.03	6.90	6.30	0.070	0.020	0.040	0.010	0.580	0.150	0.910	0.430	V	V	V	L	L	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		.	.	.													M	M				0
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7	B	0.58	.	.	5.62	5.38	5.50	5.70	0.130	0.020	0.110	0.030	0.300	0.260	0.570	0.540	M	M	V	V	V	0
02-Jan	09-Jan	7		0.32	0.32	544	5.56	5.82	8.50	7.10	0.180	0.020	0.060	0.020	0.480	0.240	0.980	0.570	V	V	V	V	V	0
09-Jan	16-Jan	7		3.90	3.72	6410		6.43	7.10	7.10	0.130	0.030	0.110	0.030	0.710	0.190	0.540	0.360	V	V		V	V	0
16-Jan	23-Jan	7		0.15	0.13	226	6.13	6.14	10.10	9.40	0.220	0.030	0.140	0.040	0.840	0.390	0.890	0.580	V	V	V	S	V	1
23-Jan	30-Jan	7		0.15	0.14	239	6.59	6.30	12.30	11.60	0.230	0.040	0.100	0.040	1.070	0.370	1.410	0.640	V	V	V	S	V	1
30-Jan	06-Feb	7	Z	1.05	1.07	1839	6.19	6.01	13.10	8.00	0.170	0.030	0.060	0.030	0.580	0.190	1.130	0.560	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		1.91	1.81	3121	6.22	6.00	5.30	5.30	0.100	0.030	0.060	0.010	0.460	0.110	0.410	0.450	V	V	V	L	L	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.63	0.55	953	5.47	5.58	6.80	5.80	0.100	0.030	0.160	0.030	0.350	0.220	0.520	0.640	V	V	V	V	V	0
06-Mar	13-Mar	7		0.41	0.41	706	5.53	5.30	5.30	4.90	0.080	0.004	0.120	0.030	0.220	0.140	0.490	0.440	V	V	V	L	L	0
13-Mar	20-Mar	7	L	.	0.00	0														M				0
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.05	0.05	87		4.80		44.40	0.850	0.140	0.950	0.230	3.210	1.030	8.950	4.630	V	U		V	V	0
17-Apr	24-Apr	7		0.75	0.68	1176	5.36	5.33	6.30	5.50	0.030	0.010	0.100	0.010	0.170	0.110	0.640	0.620	V	V	V	L	L	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.17	0.12	213	5.97	5.75	9.10	7.80	0.110	0.030	0.260	0.050	0.530	0.320	0.800	0.770	V	V	V	V	V	0
22-May	29-May	7		2.13	2.12	3651	5.95	6.00	2.90	2.80	0.020	0.010	0.150	0.020	0.190	0.040	0.230	0.170	V	V	V	L	L	0
29-May	05-Jun	7		0.22	0.22	373	5.84	5.58	9.80	9.40	0.210	0.040	0.120	0.030	0.580	0.550	0.800	1.380	V	V	V	V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN BERNARDINO SITE NUMBER: 3600194 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		.	.	.													M	M				0
02-Aug	09-Aug	7		0.00	0.00	0																		
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		0.00	0.00	0																		
23-Aug	30-Aug	7		0.00	0.00	0																		
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	B	0.46	.	.													M	M				0
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.03	0.01	9		6.97		320.00									S	U				1
18-Oct	25-Oct	7		0.23	0.21	365		6.49		19.50	0.350	0.130	0.710	0.100	1.610	0.480	2.920	1.130	V	V		S	V	1
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.00	0.00	0																		
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		0.32	0.32	545		6.46		11.90	0.240	0.020	0.130	0.050	1.170	0.450	1.240	0.540	V	V		S	V	1
29-Nov	05-Dec	6		0.00	0.00	0																		
05-Dec	13-Dec	8		0.00	0.00	0																		
13-Dec	19-Dec	6		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	03-Jan	8		0.27	0.26	440		5.88		14.90	0.550	0.060	0.380	0.100	0.890	0.890	1.810	1.240	V	V		V	V	0
03-Jan	10-Jan	7		0.00	0.00	0																		
10-Jan	17-Jan	7		1.40	1.39	2391		5.92		14.10	0.570	0.040	0.130	0.050	1.030	0.920	1.490	1.090	V	V		V	V	0
17-Jan	24-Jan	7		0.13	0.13	226		5.92		12.80	0.230	0.030	0.310	0.090	1.100	0.410	2.220	1.070	V	V		V	V	0
24-Jan	31-Jan	7		0.36	0.35	600		6.03		20.10	0.510	0.050	0.400	0.110	1.870	0.710	3.900	1.340	V	V		V	V	0
31-Jan	07-Feb	7		0.32	0.31	540		4.94		15.30	0.550	0.030	0.170	0.080	0.600	0.860	2.270	0.880	V	V		V	V	0
07-Feb	14-Feb	7		0.00	0.00	8		6.44		280.00									S	U				1
14-Feb	21-Feb	7		2.88	2.80	4835		5.69		6.70	0.270	0.030	0.100	0.040	0.360	0.430	0.450	0.590	V	V		V	V	0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.05	0.06	98		6.22		47.50	1.610	0.100	1.260	0.260	3.100	2.940	0.810	3.550	V	U		S	V	1
07-Mar	14-Mar	7		0.25	0.31	526		6.52		38.90	2.210	0.150	0.830	0.300	2.100	3.980	4.220	2.740	V	V		V	V	0
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.00	0.00	0																		
28-Mar	04-Apr	7	L,Z	.	0.39	680		6.58		38.50	0.690	0.080	1.080	0.170	3.060	1.000	7.140	4.170	V	M		V	V	0
04-Apr	11-Apr	7	Z	0.04	0.01	24		6.68		96.10	.	.	.	.	7.230	2.890	13.720	7.870	S	U		M	M	1
11-Apr	18-Apr	7		0.54	0.52	898		6.68		12.60	0.330	0.060	0.280	0.070	1.080	0.480	1.020	0.630	V	V		S	V	1
18-Apr	24-Apr	6		0.21	0.20	340		6.77		64.80	1.040	0.130	1.120	0.210	7.040	1.820	12.250	5.000	V	V		V	V	0
24-Apr	02-May	8		0.09	0.09	152		7.03		89.10	4.070	0.320	2.820	0.630	5.820	5.700	16.400	6.670	V	V		V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7		0.31	0.30	514		6.68		19.00	0.320	0.060	0.430	0.090	1.710	0.720	2.040	1.120	V	V		S	V	1
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.01	0.00	7		6.75		62.70									S	U				1
13-Jun	20-Jun	7		0.00	0.00	0																		
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SAN JOSE SITE NUMBER: 4300382 BASIN: S.F. BAY AREA YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
03-Jul	11-Jul	8		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.49	0.49	850	4.99	5.29	12.50	9.40	0.220	0.030	0.140	0.030	0.450	0.390	1.290	0.840	V	V	V	V	V	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.20	0.20	345		5.30	9.10	9.10	0.120	0.020	0.190	0.040	0.470	0.250	1.040	0.850	V	V		V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		1.17	1.14	1958	5.19	5.59	5.20	4.00	0.140	0.020	0.060	0.020	0.070	0.240	0.180	0.300	V	V	V	V	V	0
24-Oct	31-Oct	7		0.17	0.18	311	4.95	5.24	10.90	11.00	0.750	0.030	0.110	0.090	0.160	1.580	0.370	0.700	V	V	V	V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.78	0.78	1340	5.02	5.58	6.60	5.80	0.390	0.020	0.040	0.030	0.140	0.680	0.170	0.270	V	V	S	V	V	1
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.43	0.42	718	5.08	5.31	10.40	9.00	0.430	0.050	0.100	0.040	0.290	0.700	0.650	0.640	V	V	V	V	V	0
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		1.23	1.21	2080	5.47	5.57	10.00	9.40	0.790	0.040	0.130	0.060	0.260	1.330	0.390	0.630	V	V	V	V	V	0
16-Jan	23-Jan	7		0.00	0.00	0																		
23-Jan	30-Jan	7		0.15	0.11	197	6.03	5.59	7.40	6.40	0.250	0.030	0.230	0.050	0.310	0.460	0.330	0.580	V	V	V	V	V	0
30-Jan	06-Feb	7		0.75	0.76	1315	5.44	5.53	6.60	6.40	0.350	0.020	0.140	0.040	0.210	0.660	0.440	0.410	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7	B	0.73	---	---	5.30	5.49	9.40	8.10	0.550	0.030	0.160	0.050	0.240	0.900	0.170	0.610	M	M	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.60	0.55	951	5.29	5.38	7.10	5.30	0.120	0.020	0.130	0.040	0.240	0.270	0.400	0.500	V	V	V	V	V	0
06-Mar	13-Mar	7		0.25	0.21	360	5.38	5.53	19.10	17.10	1.500	0.060	0.280	0.140	0.460	2.810	0.800	1.130	V	V	V	V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.00	0.00	0																		
10-Apr	17-Apr	7		0.00	0.00	0																		
17-Apr	24-Apr	7		0.19	0.18	304	5.62	5.81	5.80	5.20	0.050	0.010	0.090	0.010	0.300	0.110	0.520	0.520	V	V	V	L	L	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		2.13	2.11	3640	5.57	5.34	3.00	4.30	0.030	0.010	0.140	0.020	0.120	0.080	0.170	0.270	V	V	V	V	V	0
29-May	05-Jun	7		0.05	0.06	98		5.01		12.60	0.510	0.010	0.270	0.090	0.270	1.100	0.440	1.180	V	U		V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SANTA BARBARA SITE NUMBER: 4200379 BASIN: S.CENTRAL COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7	C	0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		.	.	.													M	M				0
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.02	0.01	10		5.33		33.70									S	U				1
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		.	.	.													M	M				0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7	B	0.00	.	.													M	M				0
17-Oct	25-Oct	8	B	0.50	.	.													M	M				0
25-Oct	31-Oct	6		0.00	0.00	0																		
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		0.52	0.50	865	4.88	4.85	8.90	8.60	0.390	0.020	0.070	0.040	0.130	0.680	0.660	0.440	V	V	V	V	S	1
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.17	0.14	238	5.10	5.22	6.80	7.10	0.460	0.030	0.200	0.050	0.040	0.740	0.220	0.410	V	V	V	V	V	0
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		2.90	2.66	4580	4.97	5.10	13.00	12.90	1.190	0.050	0.200	0.120	0.060	2.040	0.400	0.750	V	V	V	V	V	0
16-Jan	23-Jan	7		0.15	0.14	242	5.06	5.08	5.60	6.00	0.400	0.020	0.130	0.050	0.050	0.640	0.130	0.350	V	V	V	V	S	1
23-Jan	30-Jan	7		0.00	0.00	0																		
30-Jan	06-Feb	7		0.61	0.60	1040	5.21	5.15	4.60	4.90	0.180	0.010	0.100	0.030	0.040	0.230	0.410	0.280	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	20-Feb	7		1.82	1.69	2920	5.20	5.23	8.70	9.10	0.830	0.050	0.140	0.090	0.040	1.390	0.150	0.410	V	V	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7		0.00	0.00	0																		
06-Mar	13-Mar	7		0.00	0.00	0																		
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.02	0.01	10													S	U				1
27-Mar	03-Apr	7	Z	0.03	0.02	40		3.68		166.20	.	.	.	.	.	.	.	.	V	U		M	M	0
03-Apr	10-Apr	7		0.00	0.01	10		5.14		36.90									S	U				1
10-Apr	17-Apr	7		0.20	0.17	300	4.97	5.16	11.00	11.50	0.670	0.030	0.260	0.090	0.260	1.050	0.780	0.920	V	V	V	V	V	0
17-Apr	24-Apr	7		0.00	0.00	0																		
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	16-May	8		0.00	0.00	0																		
16-May	22-May	6		0.00	0.00	0																		
22-May	29-May	7		0.70	0.64	1100	5.33	5.48	3.20	3.80	0.100	0.010	0.170	0.020	0.050	0.210	0.240	0.210	V	V	V	V	V	0
29-May	05-Jun	7		0.00	0.00	0																		
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	20-Jun	8		0.00	0.00	0																		
20-Jun	26-Jun	6		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA ASH MTN SITE NUMBER: 5400570 BASIN: SAN JOAQUIN VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
04-Jul	11-Jul	7		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		1.41	1.40	2417	4.85	5.23	13.00	12.10	0.090	0.050	0.170	0.030	0.790	0.120	2.110	0.800	V	V	V	V	V	0
19-Sep	26-Sep	7		0.05	0.03	52		5.23		18.50	0.210	0.080	0.500	0.100	1.320	0.350	2.990	2.360	V	U		V	V	0
26-Sep	03-Oct	7		0.00	0.00	6		4.72		31.70									S	U				1
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7	L	---	0.21	356	6.40	6.04	7.60	8.40	0.250	0.050	0.170	0.030	0.530	0.440	1.250	0.630	V	M	V	V	V	0
24-Oct	31-Oct	7		0.66	0.67	1147	6.20	6.06	6.20	6.70	0.220	0.040	0.070	0.020	0.530	0.440	0.910	0.400	V	V	V	V	V	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		1.00	1.00	1717	5.19		9.40		.	.	.	.	.	.	.	.	V	V		M	M	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.75	0.76	1305	5.15	5.18	5.80	5.30	0.110	0.010	0.140	0.040	0.230	0.210	0.760	0.310	V	V	V	V	S	1
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		2.06	1.83	3158	5.45	5.27	9.20	7.20	0.160	0.040	0.170	0.060	0.350	0.230	1.020	0.510	V	V	V	V	V	0
16-Jan	24-Jan	8		0.55	0.48	833	5.38	5.61	3.20	3.10	0.040	0.010	0.050	0.010	0.190	0.060	0.320	0.210	V	V	V	L	L	0
24-Jan	30-Jan	6		0.00	0.00	6		5.57		5.10									S	U				1
30-Jan	06-Feb	7		0.85	0.93	1610	5.25	5.39	9.20	8.70	0.140	0.020	0.190	0.040	0.570	0.120	2.090	0.450	V	V	V	V	V	0
06-Feb	14-Feb	8		0.45	0.44	754	4.93	4.96	7.50	7.80	0.010	0.010	0.110	0.030	0.270	0.020	1.380	0.340	V	V	V	L	L	0
14-Feb	20-Feb	6	Z	1.51	1.54	2662	5.83	5.92	5.50	5.20	0.180	0.030	0.220	0.060	0.160	0.150	0.420	0.610	V	V	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	07-Mar	8	Z	1.25	1.29	2225	6.28	6.09	24.00	22.80	0.140	0.040	0.330	0.090	2.420	0.110	6.340	1.280	V	V	V	V	V	0
07-Mar	13-Mar	6		0.68	0.68	1170	5.30	5.45	10.40	9.50	0.190	0.020	0.120	0.040	0.650	0.340	1.630	0.710	V	V	V	V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.55	0.59	1018	6.53	6.30	23.80	23.20	0.490	0.060	0.260	0.070	2.040	0.370	4.620	1.980	V	V	V	V	V	0
03-Apr	10-Apr	7		0.20	0.19	329	5.37	5.86	38.70	36.00	0.520	0.070	0.360	0.100	3.340	0.660	8.500	2.980	V	V	V	V	V	0
10-Apr	17-Apr	7		0.15	0.16	275	5.82	5.70	24.80	22.40	0.620	0.090	0.370	0.090	1.570	0.690	4.500	1.950	V	V	V	V	V	0
17-Apr	24-Apr	7		0.48	0.47	807	5.84	5.90	5.10	5.00	0.050	0.020	0.140	0.020	0.390	0.070	0.760	0.390	V	V	V	V	V	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		2.85	2.87	4947	5.85	5.95	3.20	3.60	0.020	0.010	0.160	0.020	0.230	0.040	0.480	0.290	V	V	V	L	L	0
29-May	04-Jun	6		0.00	0.01	14		5.94		29.40									S	U				1
04-Jun	12-Jun	8		0.00	0.00	7		4.68		61.40									S	U				1
12-Jun	19-Jun	7		0.00	0.00	0																		
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA EMERALD SITE NUMBER: 5400575 BASIN: SAN JOAQUIN VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
04-Jul	11-Jul	7		0.00	0.00	0																		
11-Jul	18-Jul	7	L	0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7	L,G	0.00	0.01	11		5.92		24.40									S	U				1
08-Aug	15-Aug	7	L,G	.	0.02	42		4.42		32.20	.	.	.	.	0.700	0.490	4.430	3.080	V	M		M	M	0
15-Aug	22-Aug	7	L	0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7	L	.	0.00	0														M				0
05-Sep	12-Sep	7	L	0.00	0.00	0																		
12-Sep	19-Sep	7	Z	2.45	2.39	4127	4.88	5.18	6.50	4.70	0.040	0.010	0.070	0.020	0.120	0.060	0.400	0.250	V	V	V	V	V	0
19-Sep	26-Sep	7		0.20	0.18	305	4.80	4.89	8.30	9.50	0.080	0.030	0.190	0.030	0.190	0.140	0.920	0.860	V	V	V	V	V	0
26-Sep	03-Oct	7		0.03	0.04	62		4.48		28.10	0.140	0.060	0.400	0.070	0.760	0.280	2.370	3.050	V	U		V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7	Z	1.00	1.21	2087	5.41	5.40	2.10	3.00	0.020	0.010	0.050	0.010	0.010	0.050	0.240	0.100	V	V	V	L	L	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SEQUOIA GF SITE NUMBER: 5400571 BASIN: SAN JOAQUIN VALLEY YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
04-Jul	11-Jul	7		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7	B	0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		2.80	2.75	4735	4.78	5.01	9.00	10.10	0.100	0.180	0.130	0.030	0.420	0.150	1.080	0.510	V	V	V	V	V	0
19-Sep	26-Sep	7		0.20	0.19	322	4.86	4.89	9.20	11.10	0.110	0.080	0.160	0.030	0.310	0.140	0.970	1.110	V	V	V	V	V	0
26-Sep	03-Oct	7		0.03	0.03	44		4.56		22.40	0.090	0.070	0.360	0.090	0.630	0.220	2.440	2.000	V	U		V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		0.50	0.49	839	5.63	5.47	3.40	4.10	0.080	0.030	0.100	0.020	0.060	0.100	0.490	0.300	V	V	V	V	V	0
24-Oct	31-Oct	7		0.85	0.80	1379	5.65	5.66	3.80	4.20	0.120	0.020	0.080	0.010	0.190	0.200	0.420	0.230	V	V	V	L	L	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7	Z	1.85	1.72	2970	4.95		4.90		.	.	.	.	.	.	.	.	V	V		M	M	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		1.10	0.94	1622	5.13	5.30	4.40	4.30	0.060	0.010	0.100	0.030	0.140	0.040	0.470	0.230	V	V	V	V	V	0
02-Jan	09-Jan	7		0.00	0.00	0																		
09-Jan	16-Jan	7		2.60	2.08	3592	5.18	5.38	4.80	4.90	0.120	0.010	0.060	0.020	0.170	0.180	0.490	0.360	V	V	V	V	V	0
16-Jan	23-Jan	7		1.18	0.90	1553	5.28	5.47	3.90	3.40	0.040	0.010	0.090	0.020	0.180	0.050	0.430	0.220	V	V	V	V	V	0
23-Jan	30-Jan	7		0.03	0.03	59		5.13		5.30	0.270	0.090	0.260	0.070	0.050	0.220	0.720	0.360	V	U		V	S	1
30-Jan	06-Feb	7	Z	1.42	0.73	1260	5.06	5.20	5.50	5.50	0.050	0.020	0.110	0.030	0.170	0.020	0.920	0.250	V	V	V	L	L	0
06-Feb	13-Feb	7	Z	0.55	0.49	841	5.35	5.30	5.80	4.50	0.060	0.020	0.060	0.020	0.170	0.020	0.570	0.230	V	V	V	L	L	0
13-Feb	20-Feb	7	Z	2.50	1.52	2613	5.43	5.49	4.60	4.60	0.180	0.020	0.120	0.030	0.090	0.100	0.310	0.500	V	V	V	V	V	0
20-Feb	27-Feb	7		0.00	0.00	0																		
27-Feb	06-Mar	7	L,Z	---	1.27	2184	5.79	5.86	8.60	7.10	0.060	0.010	0.130	0.030	0.650	0.050	1.520	0.390	V	M	V	V	V	0
06-Mar	13-Mar	7		1.40	1.02	1751	5.07	5.34	10.10	8.80	0.110	0.004	0.060	0.010	0.590	0.210	1.670	0.590	V	V	V	L	L	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.12	0.12	208	5.51	5.58	18.80	17.20	0.540	0.060	0.340	0.090	1.130	0.300	3.750	1.750	V	V	V	V	V	0
03-Apr	10-Apr	7		0.40	0.41	705	4.77	5.19	16.20	13.30	0.130	0.020	0.190	0.050	0.890	0.180	2.420	1.140	V	V	V	V	V	0
10-Apr	17-Apr	7	L	.	0.37	632	4.86	5.35	16.60	14.40	0.270	0.020	0.220	0.050	0.860	0.260	2.540	1.300	V	M	V	V	V	0
17-Apr	24-Apr	7		1.18	1.26	2170	5.58	5.71	6.80	7.40	0.050	0.010	0.220	0.030	0.580	0.050	1.260	0.690	V	V	V	V	V	0
24-Apr	01-May	7		0.00	0.00	0																		
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.00	0.00	0																		
15-May	22-May	7		0.00	0.00	0																		
22-May	29-May	7		2.98	2.92	5029	5.37	5.57	2.40	2.80	0.020	0.010	0.140	0.020	0.090	0.020	0.190	0.100	V	V	V	L	L	0
29-May	05-Jun	7		0.19	0.11	182	6.26	6.37	15.70	15.50	0.330	0.060	0.220	0.050	1.230	0.500	2.610	1.300	V	V	V	V	V	0
05-Jun	12-Jun	7		0.20	0.19	328	5.88	5.75	22.40	23.80	0.100	0.090	0.380	0.070	2.470	0.310	4.550	3.160	V	V	V	V	V	0
12-Jun	19-Jun	7	L	0.00	0.00	0																		
19-Jun	26-Jun	7	L	0.00	0.00	0																		
26-Jun	03-Jul	7		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SODA SPRINGS SITE NUMBER: 2900793 BASIN: MOUNTAIN COUNTIES YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
03-Jul	11-Jul	8		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.90	0.73	1250	4.42	4.65	18.60	14.60	0.100	0.030	0.130	0.030	0.290	0.250	1.580	1.070	V	V	S	V	V	1
08-Aug	15-Aug	7		0.86	0.78	1349	4.65	4.72	12.10	12.60	0.070	0.020	0.100	0.020	0.240	0.150	1.000	0.870	V	V	V	V	V	0
15-Aug	22-Aug	7		0.08	0.02	26		4.55		20.10	.	.	.	.	0.420	0.720	1.940	1.000	S	S		M	M	2
22-Aug	29-Aug	7		0.24	0.23	405	4.65	4.76	10.10	9.70	0.050	0.010	0.090	0.020	0.010	0.170	0.730	0.510	V	V	V	V	V	0
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.49	0.38	660	4.41	4.74	20.70	12.80	0.090	0.060	0.140	0.030	0.180	0.230	1.300	0.980	V	V	S	V	V	1
12-Sep	19-Sep	7		4.09	2.90	5000	5.18	5.28	3.30	3.90	0.020	0.010	0.080	0.010	0.050	0.080	0.200	0.200	V	V	V	L	L	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7	Z	1.04	1.20	2075	4.83	4.99	12.40	10.60	0.040	0.020	0.100	0.020	0.520	0.110	1.510	0.790	V	V	V	V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7	Z	5.06	5.15	8875	5.09	5.30	4.30	4.00	0.050	0.030	0.050	0.010	0.010	0.080	0.350	0.230	V	V	V	L	L	0
24-Oct	31-Oct	7		1.31	0.93	1605	5.09	5.21	3.30	3.30	0.030	0.010	0.040	0.010	0.010	0.100	0.130	0.100	V	V	V	L	L	0
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7	Z	6.34	2.73	4700	5.21	5.47	2.50	2.10	0.020	0.004	0.030	0.004	0.040	0.020	0.130	0.100	V	S	V	L	L	1
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.39	0.26	450	5.07	5.21	4.90	4.70	0.110	0.020	0.130	0.030	0.040	0.090	0.450	0.250	V	V	V	V	V	0
02-Jan	09-Jan	7		2.11	2.07	3565	5.18	5.44	2.20	2.00	0.020	0.010	0.040	0.010	0.080	0.020	0.110	0.100	V	V	V	L	L	0
09-Jan	16-Jan	7	Z	3.50	2.38	4100	5.24	5.27	2.40	3.20	0.020	0.010	0.080	0.010	0.010	0.050	0.180	0.100	V	V	V	L	L	0
16-Jan	23-Jan	7		0.24	0.19	320	5.23	5.48	2.40	2.00	0.020	0.004	0.040	0.010	0.010	0.020	0.100	0.100	V	V	V	L	L	0
23-Jan	30-Jan	7	Z	1.00	0.53	910	4.94	5.06	5.50	5.60	0.050	0.010	0.130	0.020	0.040	0.040	0.600	0.250	V	V	V	V	V	0
30-Jan	06-Feb	7		3.49	2.01	3460	5.24	5.39	3.20	3.00	0.070	0.010	0.070	0.010	0.020	0.070	0.240	0.100	V	V	V	L	L	0
06-Feb	13-Feb	7		0.16	0.20	340	5.11	5.41	2.80	2.40	0.030	0.010	0.070	0.020	0.040	0.020	0.100	0.100	V	V	V	L	L	0
13-Feb	20-Feb	7	Z	5.11	---	---	5.17	5.24	3.30	3.70	0.050	0.020	0.100	0.020	0.015	0.050	0.180	0.200	M	M	V	V	V	0
20-Feb	27-Feb	7		0.12	0.09	151	4.62	4.78	11.90	9.30	0.130	0.050	0.190	0.060	0.040	0.170	0.920	0.340	V	V	V	V	V	0
27-Feb	06-Mar	7		1.54	1.22	2100	5.14	5.32	2.70	2.70	0.020	0.004	0.060	0.010	0.015	0.060	0.250	0.100	V	V	V	L	L	0
06-Mar	13-Mar	7	Z	2.28	---	---	5.03	5.16	5.20	4.80	0.130	0.010	0.100	0.030	0.070	0.190	0.350	0.320	M	M	V	V	V	0
13-Mar	20-Mar	7		0.16	0.04	62		4.94		7.10	0.130	0.004	0.240	0.060	0.030	0.280	0.500	0.240	V	S		L	L	1
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	11-Apr	8		0.28	0.24	420	4.27	4.39	33.00	29.70	0.290	0.050	0.370	0.080	0.680	0.220	4.200	1.860	V	V	V	V	V	0
11-Apr	19-Apr	8		0.24	0.19	328	4.57	4.82	18.40	14.80	0.160	0.080	0.220	0.040	0.650	0.140	2.040	1.180	V	V	S	V	V	1
19-Apr	24-Apr	5		2.40	2.26	3890	5.03	5.10	4.80	5.30	0.020	0.004	0.190	0.040	0.015	0.060	0.500	0.410	V	V	V	L	L	0
24-Apr	01-May	7		0.16	0.07	121	4.99	5.10	7.20	7.00	0.180	0.080	0.350	0.100	0.015	0.230	0.560	0.390	V	S	V	V	V	1
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.20	0.21	360	4.76	5.25	17.30	12.40	0.350	0.070	0.580	0.110	0.460	0.200	2.700	1.040	V	V	V	V	V	0
15-May	22-May	7		1.30	1.03	1780	5.27	5.18	3.70	4.80	0.040	0.020	0.140	0.020	0.060	0.120	0.410	0.330	V	V	V	V	V	0
22-May	29-May	7		2.75	2.35	4047	5.14	5.31	5.30	4.50	0.020	0.010	0.160	0.020	0.160	0.040	0.530	0.270	V	V	V	L	L	0
29-May	05-Jun	7		1.91	1.69	2920	4.81	5.00	7.60	6.90	0.100	0.004	0.070	0.020	0.015	0.190	0.500	0.490	V	V	V	L	L	0
05-Jun	12-Jun	7		0.00	0.00	6		4.31		22.80									S	U				1
12-Jun	19-Jun	7		0.00	0.07	115	4.34	4.52	27.20	22.00	0.440	0.130	0.340	0.070	0.280	0.290	3.080	1.330	V	U	V	V	V	0
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.20	0.21	355	4.69	5.13	11.10	7.70	0.120	0.140	0.140	0.030	0.040	0.180	0.500	0.740	V	V	V	V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: SOUTH LAKE TAHOE SITE NUMBER: 900684 BASIN: LAKE TAHOE YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	26-Jul	8		0.00	0.00	0																		
26-Jul	01-Aug	6		0.00	0.00	0																		
01-Aug	09-Aug	8		1.00	0.93	1600	4.43	4.71	19.90	14.80	0.130	0.080	0.260	0.050	0.330	0.190	1.740	0.970	V	V	S	V	V	1
09-Aug	15-Aug	6		0.00	0.00	0																		
15-Aug	22-Aug	7		0.48	0.38	660	5.06	5.18	11.20	10.90	0.180	0.120	0.390	0.060	0.340	0.340	1.790	1.040	V	V	V	V	V	0
22-Aug	29-Aug	7		0.00	0.00	0																		
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.06	0.06	95		4.76		13.80	0.180	0.120	0.210	0.030	0.200	0.190	1.290	1.040	V	V		V	V	0
12-Sep	19-Sep	7		1.70	1.67	2875	5.09	5.27	4.90	3.90	0.020	0.030	0.030	0.010	0.080	0.080	0.370	0.220	V	V	V	L	L	0
19-Sep	26-Sep	7		0.00	0.00	0																		
26-Sep	03-Oct	7		0.99	0.97	1673	4.88	4.86	10.30	9.90	0.060	0.030	0.090	0.020	0.180	0.120	0.930	0.730	V	V	V	V	V	0
03-Oct	10-Oct	7		0.00	0.00	0																		
10-Oct	17-Oct	7		0.00	0.00	0																		
17-Oct	24-Oct	7		1.93	1.94	3350	5.14	5.33	2.90	3.00	0.010	0.020	0.040	0.010	0.010	0.020	0.110	0.100	V	V	V	L	L	0
24-Oct	31-Oct	7		0.02	0.02	33		5.34		6.90	0.430	0.200	0.280	0.060	0.010	0.610	0.390	0.400	S	U		V	V	1
31-Oct	07-Nov	7		0.00	0.00	0																		
07-Nov	14-Nov	7		0.00	0.00	0																		
14-Nov	21-Nov	7		0.00	0.00	0																		
21-Nov	28-Nov	7		1.95	1.98	3410	5.34	5.55	2.90	2.40	0.030	0.020	0.030	0.010	0.070	0.020	0.090	0.100	V	V	V	L	L	0
28-Nov	05-Dec	7		0.00	0.00	0																		
05-Dec	12-Dec	7		0.00	0.00	0																		
12-Dec	19-Dec	7		0.00	0.00	0																		
19-Dec	26-Dec	7		0.00	0.00	0																		
26-Dec	02-Jan	7		0.25	0.20	338	5.23	5.36	4.80	4.70	0.200	0.010	0.090	0.020	0.080	0.170	0.500	0.210	V	V	V	V	V	0
02-Jan	09-Jan	7		0.20	0.17	290	5.42	5.61	3.80	3.70	0.170	0.020	0.040	0.004	0.200	0.200	0.260	0.220	V	V	V	V	V	0
09-Jan	16-Jan	7		0.82	0.74	1270	5.26	5.37	3.10	3.10	0.090	0.010	0.100	0.020	0.050	0.110	0.190	0.100	V	V	V	V	V	0
16-Jan	23-Jan	7		0.00	0.00	7		5.54		7.20									S	U				1
23-Jan	30-Jan	7		0.34	0.20	348	5.34	5.45	2.80	2.80	0.080	0.010	0.100	0.020	0.010	0.100	0.160	0.100	V	V	V	V	V	0
30-Jan	06-Feb	7		0.70	0.66	1140	5.34	5.47	3.20	3.00	0.050	0.010	0.080	0.020	0.030	0.040	0.280	0.100	V	V	V	V	V	0
06-Feb	13-Feb	7		0.00	0.00	0																		
13-Feb	21-Feb	8	Z	1.00	---	---	5.17	5.23	3.80	4.80	0.080	0.020	0.070	0.020	0.060	0.130	0.230	0.240	M	M	V	V	V	0
21-Feb	27-Feb	6		0.00	0.00	6		4.40		30.00									S	U				1
27-Feb	06-Mar	7		0.25	0.17	300	5.24	5.36	4.20	4.00	0.120	0.004	0.090	0.020	0.080	0.140	0.300	0.270	V	V	V	L	L	0
06-Mar	13-Mar	7		0.35	0.22	385	5.12	5.14	5.30	5.30	0.120	0.009	0.120	0.030	0.080	0.180	0.420	0.320	V	V	V	V	V	0
13-Mar	20-Mar	7		0.00	0.00	0																		
20-Mar	27-Mar	7		0.00	0.00	0																		
27-Mar	03-Apr	7		0.00	0.00	0																		
03-Apr	10-Apr	7		0.47	0.48	835	4.60	4.75	16.70	16.10	0.180	0.030	0.230	0.060	0.430	0.180	2.050	1.050	V	V	V	V	V	0
10-Apr	17-Apr	7		0.13	0.12	205	4.62	5.08	24.80	19.70	0.520	0.080	0.440	0.090	1.090	0.260	3.470	2.310	V	V	V	V	V	0
17-Apr	24-Apr	7		0.48	0.45	775	4.95	5.17	5.50	5.10	0.060	0.020	0.190	0.040	0.130	0.060	0.590	0.330	V	V	V	V	V	0
24-Apr	01-May	7		0.10	0.08	135	5.29	5.26	4.30	5.30	0.190	0.030	0.040	0.010	0.015	0.210	0.310	0.390	V	V	V	L	L	0
01-May	08-May	7		0.00	0.00	0																		
08-May	15-May	7		0.60	0.59	1020	4.85	5.03	21.20	19.20	0.590	0.140	0.760	0.160	0.780	0.410	4.100	1.840	V	V	V	V	V	0
15-May	22-May	7		0.00	0.00	8		5.68		11.10									S	U				1
22-May	29-May	7		0.29	0.25	433	5.24	5.20	4.00	4.40	0.040	0.020	0.190	0.030	0.015	0.090	0.290	0.230	V	V	V	V	V	0
29-May	05-Jun	7		0.43	0.40	690	4.98	5.20	7.20	5.90	0.040	0.020	0.120	0.020	0.160	0.290	0.670	0.510	V	V	V	V	V	0
05-Jun	12-Jun	7		0.00	0.00	0																		
12-Jun	19-Jun	7		0.28	0.26	455	4.69	4.80	10.70	10.20	0.100	0.020	0.100	0.020	0.100	0.120	0.990	0.550	V	V	V	V	V	0
19-Jun	26-Jun	7		0.00	0.00	0																		
26-Jun	03-Jul	7		0.05	0.03	53		5.52		7.20	0.240	0.160	0.300	0.040	0.020	0.420	0.560	0.570	V	U		V	V	0

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: TANBARK SITE NUMBER: 7000598 BASIN: SOUTH COAST YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	LVS	VPD	EPD	IPD	CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	FLAGS	FLAGS	FLAGS	FLAGS	FLAGS	
05-Jul	11-Jul	6		0.00	0.00	0																		
11-Jul	18-Jul	7		0.00	0.00	0																		
18-Jul	25-Jul	7		0.00	0.00	0																		
25-Jul	01-Aug	7		0.00	0.00	0																		
01-Aug	08-Aug	7		0.00	0.00	0																		
08-Aug	15-Aug	7		0.00	0.00	0																		
15-Aug	22-Aug	7		0.00	0.00	0																		
22-Aug	29-Aug	7		.	.	.													M	M				0
29-Aug	05-Sep	7		0.00	0.00	0																		
05-Sep	12-Sep	7		0.00	0.00	0																		
12-Sep	19-Sep	7		0.64	0.59	1017		4.37		28.40	0.210	0.080	0.300	0.070	0.630	0.300	3.980	1.690	V	V		V	V	0
19-Sep	27-Sep	8		.	0.00	0														M				0
27-Sep	04-Oct	7		0.00	0.00	0																		
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		0.62	0.68	1177		5.20		10.70	0.330	0.040	0.120	0.040	0.310	0.630	1.610	0.800	V	V		V	V	0
25-Oct	01-Nov	7		0.00	0.00	0																		
01-Nov	06-Nov	5		0.00	0.00	0																		
06-Nov	13-Nov	7		0.00	0.00	0																		
13-Nov	22-Nov	9		0.00	0.00	0																		
22-Nov	01-Dec	9		.	0.65	1129		4.51		19.60	0.280	0.020	0.140	0.070	0.420	0.330	2.330	1.250	V	M		V	V	0
01-Dec	06-Dec	5		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	18-Dec	5		0.00	0.00	0																		
18-Dec	26-Dec	8		0.00	0.00	0																		
26-Dec	03-Jan	8		0.76	0.74	1280		4.60		20.40	0.570	0.040	0.180	0.090	0.380	0.870	2.480	0.920	V	V		V	V	0
03-Jan	10-Jan	7		0.00	0.00	0																		
10-Jan	18-Jan	8	L,Z	.	3.47	5990		5.07		8.70	0.430	0.020	0.150	0.080	0.300	0.790	0.820	0.680	V	M		V	S	1
18-Jan	24-Jan	6		0.00	0.00	0																		
24-Jan	31-Jan	7		0.25	0.29	500		4.24		38.50	0.650	0.060	0.490	0.170	0.790	0.840	5.500	1.650	V	V		V	V	0
31-Jan	07-Feb	7	L	.	0.36	626		4.69		16.20	0.660	0.040	0.180	0.100	0.230	1.150	1.580	0.680	V	M		V	V	0
07-Feb	14-Feb	7	L	.	0.09	159		4.56		62.80	4.910	0.240	1.000	0.700	1.160	6.790	6.720	2.980	V	M		V	V	0
14-Feb	21-Feb	7	L	.	4.61	7955		5.11		6.00	0.220	0.010	0.050	0.030	0.080	0.260	0.320	0.340	V	M		V	V	0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7		0.25	0.26	440		4.54		29.80	1.400	0.090	0.450	0.190	0.610	2.500	2.350	1.790	V	V		V	V	0
07-Mar	14-Mar	7		0.40	0.41	712		4.51		28.20	0.720	0.050	0.610	0.150	0.690	1.040	4.620	1.380	V	V		V	V	0
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.07	0.05	87					.	.	.	.	.	.	.	.	V	V		M	M	0
28-Mar	04-Apr	7	L	.	0.72	1239		5.25		5.70	0.060	0.004	0.180	0.040	0.150	0.090	0.790	0.360	V	M		L	L	0
04-Apr	11-Apr	7		0.02	0.02	41		4.19		51.10	0.430	0.040	1.380	0.170	1.520	0.610	0.590	3.660	V	U		S	V	1
11-Apr	18-Apr	7		0.62	0.67	1162		5.05		15.00	0.390	0.020	0.240	0.060	0.690	0.560	2.450	0.880	V	V		V	V	0
18-Apr	24-Apr	6		0.11	0.08	134		3.93		63.00	0.280	0.020	0.770	0.170	0.710	0.500	6.780	2.860	V	V		V	V	0
24-Apr	02-May	8		0.14	0.07	126		5.90		31.00	2.330	0.140	0.900	0.150	0.920	3.800	3.820	2.160	V	V		V	V	0
02-May	09-May	7		0.00	0.00	0																		
09-May	16-May	7		0.00	0.00	0																		
16-May	23-May	7		0.00	0.00	0																		
23-May	30-May	7	L,Z	.	1.46	2515		5.04		11.00	0.410	0.030	0.290	0.060	0.260	0.710	0.890	0.680	V	M		V	V	0
30-May	06-Jun	7		0.00	0.00	0																		
06-Jun	13-Jun	7		0.00	0.01	19		4.27		58.00									S	U				1
13-Jun	20-Jun	7		0.00	0.00	8		3.57		201.50									S	U				1
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	03-Jul	6		0.00	0.00	0																		

CALIFORNIA ACID DEPOSITION MONITORING PROGRAM WEEKLY PRECIPITATION CHEMISTRY DATA

SITE: YOSEMITE SITE NUMBER: 2200746 BASIN: MOUNTAIN COUNTIES YEAR: 1989/90

START	STOP	DAYS	REMARKS	RAINGAGE	PRECIP	VOLUME	pH FIELD	pH LAB	CONDUCTIVITY FIELD	CONDUCTIVITY LAB	Na	K	Ca	Mg	NH4	Cl	NO3	SO4	FLAGS LVS	FLAGS VPD	FLAGS EPD	FLAGS IPD	FLAGS CPD	SUSPECT
				inches	inches	ml			uS/cm	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
05-Jul	12-Jul	7		0.00	0.00	0																		
12-Jul	19-Jul	7		0.00	0.00	0																		
19-Jul	26-Jul	7		0.00	0.00	0																		
26-Jul	02-Aug	7		0.00	0.00	0																		
02-Aug	09-Aug	7		0.20	0.12	206	4.42	4.72	33.90	21.10	0.200	0.090	0.390	0.070	0.940	0.320	3.590	1.640	V	V	S	V	V	1
09-Aug	16-Aug	7		0.00	0.00	0																		
16-Aug	23-Aug	7		.	.	.													M	M				0
23-Aug	30-Aug	7		.	.	.													M	M				0
30-Aug	06-Sep	7		0.00	0.00	0																		
06-Sep	13-Sep	7		0.00	0.00	0																		
13-Sep	20-Sep	7	Z	3.50	3.17	5461	5.02	5.34	6.50	4.90	0.060	0.050	0.090	0.010	0.130	0.110	0.490	0.370	V	V	V	L	L	0
20-Sep	27-Sep	7		0.00	0.00	0																		
27-Sep	04-Oct	7	B	1.20	---	---	4.63	4.72	17.70	15.10	0.070	0.040	0.220	0.040	0.430	0.210	1.430	1.510	M	M	V	V	V	0
04-Oct	11-Oct	7		0.00	0.00	0																		
11-Oct	18-Oct	7		0.00	0.00	0																		
18-Oct	25-Oct	7		3.56	3.67	6323	5.54	5.46	3.10	3.50	0.090	0.040	0.060	0.010	0.030	0.080	0.290	0.100	V	V	V	L	L	0
25-Oct	01-Nov	7	Z	0.15	0.06	105	4.80	4.78	11.90	11.20	0.380	0.060	0.120	0.050	0.010	0.550	0.730	0.490	V	S	V	V	V	1
01-Nov	08-Nov	7		0.00	0.00	0																		
08-Nov	15-Nov	7		0.00	0.00	0																		
15-Nov	22-Nov	7		0.00	0.00	0																		
22-Nov	29-Nov	7		1.95	1.76	3026	5.48	5.46	2.20	2.30	0.040	0.010	0.060	0.010	0.020	0.020	0.050	0.100	V	V	V	L	L	0
29-Nov	06-Dec	7		0.00	0.00	0																		
06-Dec	13-Dec	7		0.00	0.00	0																		
13-Dec	20-Dec	7		0.00	0.00	0																		
20-Dec	27-Dec	7		0.00	0.00	0																		
27-Dec	03-Jan	7		0.70	0.78	1340	5.12	4.97	7.80	7.90	0.040	0.020	0.140	0.030	0.290	0.190	1.300	0.310	V	V	V	V	V	0
03-Jan	10-Jan	7		0.05	0.04	74		5.08		4.10	0.030	0.004	0.090	0.030	0.010	0.040	0.330	0.100	V	U		L	L	0
10-Jan	17-Jan	7		3.83	4.08	7038	5.34	5.45	2.50	2.70	0.060	0.010	0.040	0.010	0.050	0.070	0.210	0.100	V	V	V	L	L	0
17-Jan	24-Jan	7		0.00	0.00	0																		
24-Jan	31-Jan	7		0.30	0.30	519	5.34	5.31	4.10	3.90	0.050	0.040	0.070	0.020	0.110	0.080	0.490	0.100	V	V	V	V	V	0
31-Jan	07-Feb	7		1.25	1.33	2295	5.40	5.33	4.60	4.10	0.050	0.020	0.050	0.020	0.140	0.020	0.520	0.220	V	V	V	L	L	0
07-Feb	14-Feb	7		0.00	0.00	0																		
14-Feb	21-Feb	7	B,C	0.95	.	.													M	M				0
21-Feb	28-Feb	7		0.00	0.00	0																		
28-Feb	07-Mar	7	L,Z	0.83	.	.	5.31	5.33	5.80	5.10	0.040	0.020	0.090	0.020	0.270	0.080	0.810	0.330	M	M	V	V	V	0
07-Mar	14-Mar	7	L	0.75	.	.		5.60	8.80	7.00	0.240	0.060	0.110	0.030	0.340	0.370	1.070	0.570	M	M		V	V	0
14-Mar	21-Mar	7		0.00	0.00	0																		
21-Mar	28-Mar	7		0.00	0.00	0																		
28-Mar	04-Apr	7	L,Z	.	0.13	232		5.49	15.70	16.00	0.620	0.070	0.420	0.080	0.770	0.260	2.850	1.920	V	M		V	V	0
04-Apr	11-Apr	7		0.88	0.89	1531	4.82	4.86	19.50	15.60	0.180	0.040	0.290	0.070	0.860	0.200	2.450	1.250	V	V	V	V	V	0
11-Apr	18-Apr	7		0.34	0.47	812	4.47	5.22	14.00	11.40	0.180	0.020	0.240	0.050	0.730	0.160	1.860	1.100	V	V	S	V	V	1
18-Apr	25-Apr	7		2.00	1.93	3320	5.08	5.16		8.40	0.090	0.050	0.230	0.040	0.330	0.270	1.430	0.700	V	V	V	V	V	0
25-Apr	02-May	7		0.00	0.00	0																		
02-May	09-May	7		0.00	0.00	0																		
09-May	23-May	14		.	.	.													M	M				0
23-May	30-May	7	E	2.13	.	.													M	M				0
30-May	06-Jun	7		0.25	0.34	594	7.03	5.77	12.10	12.10	0.270	0.030	0.100	0.040	0.920	0.420	1.910	1.170	V	V	S	V	V	1
06-Jun	13-Jun	7	E	0.40	.	.													M	M				0
13-Jun	20-Jun	7		0.11	0.12	206		4.81		16.00	0.460	0.090	0.320	0.080	0.400	0.500	2.690	1.000	V	V		V	V	0
20-Jun	27-Jun	7		0.00	0.00	0																		
27-Jun	05-Jul	8		0.00	0.03	48		5.06	3.10	5.10	0.030	0.020	0.100	0.020	0.060	0.140	0.130	0.340	V	U		V	V	0

Appendix A: List of Data Assignments for HY 1988

I. Basis for Data Assignments and Selection of Observations

1. Observations (i.e., precipitation samples) with multiple remark codes were reviewed according to the remark closest to the beginning of the alphabet. For example, observations with "B" and "L" remark codes are listed only among the observations designated as having a "B" remark code.

2. Any given observation is listed only once. For example, observations with a "B" remark code and a "S" level II validation flag, or "B" and "L" remark codes, are listed only among the observations designated as having a "B" remark code.

3. The "Z" remark "snow/mixture/unknown precip" indicates the presence of precipitation other than rain during the sampling period.

4. Rinse data were not reviewed.

5. Data from collocated samplers were not available for review.

II. Data Assignments and Missing Observations

A. Observations with Rain Volume-Related Remark Codes

1. B = sampler malfunction

a. clear explanation or evidence of inoperation (raingage $\neq 0$ and precip $= 0$)
* Action: assign "." to the precip value

Montague	27 Oct '87:	collector motor not working
	03 Nov '87:	collector motor not working
	24 Nov '87:	sampler malfunctioned
Mt. Wilson	15 Dec '87:	power failure; (L code also - chart jammed "." assigned to raingage also)
San Rafael	04 Aug '87:	no data due to re-roofing project (L and Z codes - "." assigned to raingage also)

	07 Aug '87:	no data due to re-roofing project (L and Z codes - "." assigned to raingage also)
	29 Dec '87:	sampler malfunction
	23 Feb '88:	sampler malfunction
Sequoia GF	12 Jan '88:	power failure, wet bucket covered, no sample
Soda Springs	17 Nov '87:	bucket may not have collected Tuesday precip
	22 Dec '87:	sampler max-ed out, snow precip
	15 Mar '88:	snow blew out of bucket (Z code - snow precip)
Yosemite	12 Jan '88:	sampler overflown with snow

b. minor/inconsequential effect or raingage and precip = 0
* Action: leave as is

Eureka	15 Mar '88:	sampler opening/closing during/after precip
	22 Mar '88:	sampler opening/closing during/after precip
Montague	20 Oct '87:	collector malfunction
	10 Nov '87:	collector lid no opening/closing correctly
	17 Nov '87:	motor works intermittently
San Rafael	08 Dec '87:	collector occasionally didn't close all the way (approximately 1-2 in above wet bucket)

2. J = validity in question

a. no explanation or difference is minor
* Action: send to MLD
** Follow-up: correct typos or leave as is

Berkeley	30 Sep '87:	no chart available; long sampling period (L and Z codes)
Quincy	14 Jul '87:	no explanation (Z code - field conductivity flagged)
San Rafael	10 May '88:	no explanation
Sequoia GF	05 Jan '88:	low field pH not confirmed by collocated sample (Z code also)

3. L = rain gauge malfunction

a. clear explanation or evidence of inoperation (e.g., raingage = 0 and precip ≠ 0; **difference > 0.2 in or difference > 30%**)

* Action: assign "." to the raingage value

NOTE: This includes small volume samples with differences > 30%

Anaheim	17 Nov '87:	both pens did not function properly
	24 May '88:	event pen off chart
Bakersfield	23 Feb '88:	downpour knocked pen off rain gauge
	04 May '88:	no explanation (removed by lab)
	24 May '88:	operator forgot to change rain gauge
Berkeley	11 Nov '87:	chart pens fell off (Z code)
	08 Apr '88:	chart recorder stopped working after 5 days (G and Z code)
Lake Isabella	23 Feb '88:	rain gauge chart and bucket weight differ greatly
Mt. Wilson	27 Oct '87:	pen off chart Sunday and Monday, difference = 0.32
	26 Jan '88:	snow at top of rain gauge, nothing inside bucket
	23 Feb '88:	rain gauge pens probably got together, difference = 0.83
	19 Apr '88:	pen stuck; (Z code also - some dirt/plant debris in water)
	24 May '88:	addition error: raingage should be 0.13
Nipomo	03 Nov '87:	rain gauge chart drive not running, difference = 0.12 or 40%
Reseda	17 Nov '87:	event pen off chart
	22 Dec '87:	pen lost contact with chart (Z code also - some dust particles in water, thunderstorm occurred)
	29 Dec '87:	event pen off chart
	01 Mar '88:	pens off chart
	31 May '88:	event pen off chart for a while
So. Lake Tahoe	30 Jun '87:	pen not on paper during rain even (lab also removed precip value)
Salinas	15 Dec '87:	pen fell off

San Bernardino	22 Dec '87:	rain gauge clock had a mechanical problem
San Nicolas Island	27 Oct '87:	pen not in contact with chart; (Z code)
	12 Jan '88:	rain gauge pen off chart on Sunday; difference = 54 %
	01 Mar '88:	pen off chart
	03 May '88:	measuring pen off chart (G and F code)
Sequoia GF	21 Jun '88:	daily precips from lodgepole weather report (D code)
Soda Springs	10 Nov '87:	rain gauge malfunction; snow/mixture precip (Z code)
Victorville	10 Nov '87:	pen off chart
Yosemite	06 Oct '87:	rain gauge malfunction
	20 Oct '87:	rain gauge not working properly
	27 Oct '87:	rain gauge not working properly
	03 Nov '87:	rain gauge not working properly
	10 Nov '87:	rain gauge not working properly
	17 Nov '87:	pen fell off chart
	08 Dec '87:	rain gauge ran out of ink
	22 Dec '87:	rain gauge malfunction (F and Z code - no sample analysis, data invalid)
	05 Jan '87:	pH meter malfunction (Z code - snow precip)

b. minor/inconsequential effect or raingage and precip = 0
* Action: leave as is

Escondido	06 Oct '87:	rain gauge was off chart
Gasquet	14 Jul '87:	clock stopped
Lindcove	29 Dec '87:	failed to rewind, rainfall total from other gauge
Mt. Wilson	03 Nov '87:	rain chart ink washed off by rain (Z code - some suspended plant debris in water)
	13 Jan '88:	sample frozen; snow on top of rain gauge collector; (Z code also - leaves/dust debris in water)
Nipomo	19 Apr '88:	rain gauge chart stopped
Reseda	27 Oct '87:	pen off chart Tuesday, Wednesday, and Thursday
	01 Dec '87:	event pen did not draw continuously
	05 Jan '88:	pen off chart
	12 Apr '88:	pens failed for some time

	19 Apr '88:	event pen off chart
San Bernardino	06 Oct '87:	pen failed on Monday (Z code also - plant and other debris in water)
San Nicolas Island	01 Dec '87:	rain gauge pen did not draw continuously
Sequoia GF	20 Oct '87:	rain gauge malfunction, NADP rain gauge used
	03 Nov '87:	rain gauge malfunction, NADP rain gauge used (Z code - conductivity meter dead)
	10 Nov '87:	rain gauge malfunction, NADP rain gauge used (Z code also)
Soda Springs	24 May '88:	rain gauge inlet frozen (Z code - snow/mixture precip)
Tanbark	20 Oct '87:	pen off chart between Thursday and Friday
	12 Jan '88:	rain gauge event marker and volume marker caught together (Z code - a few dust particles in water)

4. Z = other (check remarks and take appropriate action)

a. raingage and precip = 0 in

i. invalid (not "invalid but both were assigned "."0
* Action: assign "." to raingage and precip

Sequoia Em Lake	14 Jun '88:	gusty winds, probably some wind deposition with rain (raingage and precip removed by lab)

b. raingage or precip $\neq$ 0 in

i. difference is > 30%
* Action: needs to be checked by MLD
** Follow-up: correct typo, assign "." to lower reading (raingage or precip), if appropriate.

Berkeley	20 Apr '88:	volume efficiency < 50%
El Monte	06 Oct ' 87:	dust in bucket
Sequoia GF	23 Feb '88:	no explanation (raingage removed by lab)
Soda Springs	08 Dec '87:	snow/mixture precip
	29 Dec '87:	snow precip

	05 Jan '88:	snow/mixture precip
	11 Jan '88:	snow precip

ii. no explanation, minor malfunction, inconsequential effect, raingage/precip $\leq$ 0.2 in or difference < 30 %

* Action: leave as is

NOTE: small values (< 0.2) included in this section even though difference is greater than 30% large values are included as long as the difference is less than 30%

Anaheim	03 Nov '87:	dust particles in sample; pen adjusted
	01 Dec '87:	some dust and plant debris in water
	15 Dec '87:	some dust and plant debris in water
	12 Jan '88:	some dust and plant debris in water
	02 Feb '88:	warm Santa Ana winds may have affected sample
Berkeley	18 Nov '87:	long sample period
	22 Dec '87:	two week sample interval
	11 May '88:	no explanation given
	24 May '88:	field pH invalid
Bethel Island	10 Nov '87:	pens not in contact with chart for 1st 3 days; sample removal delayed 24 hours because of rain event
	10 May '88:	conductivity meter reads inaccurately, needs new belt
	31 May '88:	conductivity meter reads inaccurately, needs new belt
El Monte	10 Nov '87:	some dust particles and a live mosquito in water/bucket
	01 Dec '87:	a piece of hair and dust particles in water
	15 Dec '87:	dust particles in water
	12 Jan '88:	dust particles in water
	19 Apr '88:	a few particles in water
Escondido	03 Nov '87:	sampler calibration - cannot decipher chart
	12 Jan '88:	pH meter drifted
Eureka	26 Jan '88:	field conductivity flagged
	12 Apr '88:	pH meter drifts
Gasquet	13 Nov '87:	short sample period
	03 Dec '87:	short sample period
	24 Dec '87:	short sample period
	29 Dec '87:	long sample period
	07 Jan '88:	short sampler period
	19 Jan '88:	insufficient sample volume (G code)

	26 Jan '88:	field pH flagged due to low pH
	04 Feb '88:	short sample period
	23 Feb '88:	field pH flagged due to low pH
	08 Mar '88:	field pH invalid
	12 Apr '88:	pH meter malfunction
Lake Isabella	25 Aug '87:	insufficient volume for analysis (F and G code)
	27 Oct '87:	no rain chart available, rain gauge data provided by Corps of Engineers
	04 May '88:	rain gauge readings are from Corps of Engineers, other rain gauge
Lakeport	27 Oct '87:	pH electrode not stabilized
Lindcove	04 May '88:	sample arrived at lab late
Lynwood	20 Oct '87:	a couple of black specs in bucket
	03 Nov '87:	a small amount of debris in water
	01 Dec '87:	dust particles in water
	15 Dec '87:	dust particles and plant debris in water
	29 Dec '87:	dust particles in water
	12 Jan '88:	dust particles and plant debris in water
	02 Feb '88:	warm Santa Ana winds may have affected sample
Montague	21 Jul '87:	sample contaminated with KCl after field measurements; only lab conductivity, K+, Cl- affected
	19 Apr '88:	bird dropping in sample (E code)
Mt. Wilson	22 Sep '87:	rain sample has multiple plant parts
	20 Oct '87:	small pine leaves in sample
	01 Dec '87:	some minute plant/dust particles in water
	03 May '88:	some particles in water
Napa	15 Dec '87:	sample contaminated (discolored); field conductivity flagged, lab measurements are void
	26 Jan '88:	field pH flagged due to low pH
	12 Apr '88:	field pH flagged due to low pH
Pasadena	22 Sep '87:	some dust particles in rain sample
	20 Oct '87:	dust particles in sample
	10 Nov '87:	a few dust particles in water
	01 Dec '87:	some dust particles in water
	15 Dec '87:	a few particles in water
	05 Jan '88:	roof underpad changed

	12 Jan '88:	a few dust particles in water
	12 Apr '88:	many suspended particles (plant?) in water
	03 May '88:	some dust particles in water
Reseda	03 Nov '87:	some suspended material/dust in sample
	12 Jan '88:	quite a lot of dust and two small leaves in sample
	23 Feb '88:	two dead gnats floating in sample
Salinas	24 Nov '87:	field value invalidated
	19 Apr '88:	conductivity not measured, conductivity meter battery dead
San Bernardino:	03 Nov '87:	some dust particles in water
	01 Dec '87:	some plant and dust particles in sample
	05 Jan '88:	a couple of small black particles in water
	12 Apr '88:	suspended small matters in water
	03 May '88:	some particles in water
	14 Jun '88:	a live spider and dust particles in sample
San Jose	20 Oct '87:	returned from vacation to a broken pH meter
San Rafael	10 Nov '87:	conductivity unit not working
	03 May '88:	field pH invalidated per QC analysis
Sequoia Ash	01 Sep '87:	no NPS chemistry
	20 Oct '87:	field pH due to drift
	27 Oct '87:	field pH due to drift
	12 Jan '88:	second lab pH measurement (fresh sample) pH = 4.94 (data changed)
	23 Feb '88:	debris in bucket
	19 Apr '88:	sample arrived late
Sequoia Em Lake	18 Aug '87:	a small ball of fluffy black dirt in sample
	25 Aug '87:	some dirt in the sample
Sequoia GF	01 Sep '87:	sample has a moderate amount of black and plant debris
	19 Apr '88:	snow/mixture precip
	26 Apr '88:	invalidated field pH; mixture precip
Soda Springs	14 Jul '87:	mixture precip
	06 Oct '87:	hail
	24 Nov '87:	snow/mixture precip
	01 Dec '87:	snow/mixture precip
	15 Dec '87:	snow/mixture precip

	08 Mar '88:	conductivity meter out of order; snow precip
	19 Apr '88:	snow precip; difference = 0.58 or 24 %
Tanbark	22 Sep '88:	some dust particles in the sample
	15 Dec '87:	a few dust particles in rain water
	26 Jan '88:	bird perched on wet bucket edge, some sand/dirt particles from bird dropped in rain water
	03 May '88:	some particles in water
	24 May '88:	many particles (plant/dust) in water
Victorville	15 Dec '87:	rain and snow in bucket
	12 Jan '88:	some dust particles in rain
Yosemite	23 Feb '88:	mixture precip; bucket removed late
	12 Apr '88:	field pH flagged, lab pH re-measured and reconfirmed

B. Observations Flagged "S" by Level II Validation Tests

Rationale: The measurements by the rain gauge and bucket sampler are used a coarse test of the reliability of the rain gauge measurement. While differences of 30% or less can occur under normal conditions, large differences are suggestive of erroneous sampling by the rain gauge or the bucket sampler. Unless there is strong evidence of a rain gauge or bucket sampler malfunction, both values will be retained in the data base. The reason for this is to provide information to data users about the volume of sample used to measure analyte concentrations. It is our contention that the primary purpose of the precip value is to identify what portion of the week's rainfall was used to measure the listed analyte concentrations; its secondary purpose is to serve as a coarse measure of rainfall or surrogate for the rain gauge reading.

1. raingage > precip

a. large difference between values

* Action: if [(raingage - precip) ÷ raingage] $\geq$ 0.70, then send to MLD.

** Follow-up: correct typos, or assign "." to precip, if appropriate

Bethel Island	26 Apr '88:	r = 0.08, p = 0.02; difference = 75%
Lindcove	08 Dec '87:	r = 0.09, p = 0.03; difference = 78%
So. Lake Tahoe	27 Jan '88:	r = 0.07, p = 0.00; difference = 100%

b. small difference between values
* Action: if [(raingage - precip) ÷ raingage] < 0.70, then leave as is

Escondido	14 Jul '87:	r = 0.08, p = 0.03; difference = 63%
So. Lake Tahoe	24 Nov '87:	r = 0.08, p = 0.04; difference = 50% (G code also)

C. Valid Observations with Rain Volume Differences > 0.2 inches

1. large difference between raingage and sampler, no obvious problem
* Action: if [(raingage - precip) ÷ raingage] > 0.30, check with MLD.
** Follow up, correct typo or assign "." to the lower value if appropriate

So. Lake Tahoe	12 Jan '88:	r = 0.72, p = 0.44; difference = 39%
Soda Springs	26 Apr '88:	r = 0.71, p = 0.47; difference = 34%

2. small difference between raingage and sampler
* Action: if [(raingage - precip) ÷ raingage] $\leq$ 0.30, leave as is

Berkeley	02 Dec '87:	r = 2.98, p = 2.41; difference = 19%
Eureka	01 Dec '87:	r = 7.60, p = 7.33; difference = 4%
Gasquet	30 Nov '87:	r = 5.34, p = 5.09; difference = 5%
	07 Dec '87:	r = 7.00, p = 6.57; difference = 6%
Santa Barbara	23 Feb '88:	r = 1.87, p = 1.67; difference = 11%
	19 Apr '88:	r = 2.62, p = 2.40; difference = 8%
Sequoia Ash	29 Dec '87:	r = 3.75, p = 3.29; difference = 12%
Sequoia GF	29 Dec '87:	r = 6.50, p = 5.16; difference = 21%
Soda Springs	26 Jan '88:	r = 1.30, p = 0.95; difference = 27%

D. Missing Observations (based on Level I Validation Criteria)

Anaheim	14 Jul '87:	raingage value removed
Berkeley	13 Jan '88:	both raingage and precip values removed

Escondido	03 May '88:	raingage value removed
Lakeport	25 May '88:	raingage value removed
Lynwood	06 Oct '87:	raingage value removed
	14 Jun '88:	raingage value removed
Montague	09 Feb '88:	raingage value removed
	08 Mar '88:	raingage value removed
Mt. Wilson	10 Nov '87:	raingage value removed
Nipomo	14 Jun '88:	raingage value removed
So. Lake Tahoe	07 Jun '88:	raingage value removed
Salinas	14 Jul '87:	raingage value removed
	22 Sep '87:	raingage value removed
	06 Oct '87:	raingage value removed
	26 Jan '88:	raingage value removed
San Bernardino	07 Jul '87:	both raingage and precip values removed
	28 Jul '87:	both raingage and precip values removed
	04 Aug '87:	both raingage and precip values removed
	23 Feb '88:	precip value removed
San Nicolas Island	07 Jul '87:	raingage value removed
	02 Feb '88:	raingage value removed
Sequoia Ash	26 Apr '88:	raingage value removed
Sequoia GF	17 Nov '87:	raingage value removed
	08 Dec '87:	raingage value removed
	15 Dec '87:	raingage value removed
	17 May '88:	precip value removed
Soda Springs	01 Sep '87:	raingage value removed
Tanbark	14 Jun '88:	raingage value removed
Victorville	02 Feb '88:	raingage value removed
	03 May '88:	raingage value removed, (G and F codes)

Appendix B. Data Assignments for HY 1989

Appendix B: List of Data Assignments for HY 1989

I. Basis for Data Assignments and Selection of Observations

1. Observations (i.e., precipitation samples) with multiple remark codes were reviewed according to the remark closest to the beginning of the alphabet. For example, observations with "B" and "L" remark codes are listed only among the observations designated as having a "B" remark code.

2. Any given observation is listed only once. For example, observations with a "B" remark code and a "S" level II validation flag, or "B" and "L" remark codes, are listed only among the observations designated as having a "B" remark code.

3. The "Z" remark "snow/mixture/unknown precip" indicates the presence of precipitation other than rain during the sampling period.

4. Rinse data were not reviewed.

5. Data from collocated samplers were not available for review.

II. Data Assignments and Missing Observations

A. Observations with Rain Volume-Related Remark Codes

1. B = sampler malfunction

a. clear explanation or evidence of inoperation (raingage $\neq 0$ and precip $= 0$)
* Action: assign "." to the precip value

Gasquet	31 Jan '89:	lid of wet bucket froze up; difference = 0.87 or 36%
Sacramento	18 Apr '89:	sample evaporated; algae suspended particles
Sequoia Em Lake	06 Sep '88:	sampler malfunction: no sample (lab also removed precip value)
Sequoia GF	15 Nov '88:	sampler did not open on Thursday due to too much

		snow; (Z code - snow precip)
	20 Dec '88:	Aerochem malfunction opened due to heavy snow; (Z code - mixture/snow precip)
	27 Dec '88:	aerochem malfunction does not open when sensor is wet; (Z code - mixture precip)
	03 Jan '89:	sampler malfunction; (Z code - mixture precip)
	31 Jan '89	aerochem found in open position; (Z code - snow precip)
Soda Springs	31 Jan '89:	buckets maxed out, missed much of snowfall; (Z code - snow precip)
Yosemite	01 Feb '89:	lid did not open during at least one precipitation period; (Z code - snow precip)

b. minor/inconsequential effect or raingage and precip = 0
* Action: leave as is

Gasquet	08 Nov '88:	lost total in wet bucket; overflow; difference = 1.33 or 15%

2. J = validity in question

a. no explanation or difference is minor
* Action: send to MLD.
** Follow-up: correct typos or leave as is

Berkeley	16 Nov '88:	field pH flagged per QC data validation; (Z code)
	23 Nov '88:	forgot to measure field pH
Yosemite	03 May '88:	question validity of pH measurement; (E code - twist tie from bag accidentally fell into bucket)

3. L = rain gauge malfunction

a. clear explanation or evidence of inoperation (e.g., raingage = 0 and precip ≠ 0; **difference > 0.2 in or difference > 30%**)
* Action: assign "." to the raingage value

NOTE: This includes small volume samples with a difference > 30%

Anaheim	08 Nov '88:	recording markers dropped on rain gauge
Bakersfield	09 May '89:	pen off chart

El Monte	13 Sep '88:	pen lost contact with chart
	07 Nov '88:	rain chart blown away by wind
	12 Dec '88:	pen off chart; difference = 0.25 or 11%
	18 Apr '89:	lower pen knocked off chart
Eureka	01 Nov '88:	rain gauge malfunction
Lake Isabella	02 May '89:	no rain chart available
Lakeport	20 Dec '88:	rain gauge clogged with snow; (Z code - snow precip)
Mt. Wilson	13 Dec '88:	lower pen fell off chart
Nipomo	22 Nov '88:	rain gauge chart stopped, difference = 0.25 or 21%
Pasadena	08 Nov '88:	rain gauge recorder stopped
	13 Dec '88:	clocked stopped on rain gauge
	10 May '89:	pen off chart
Quincy	07 Mar '89:	pen off chart
	28 Mar '89:	pen record is erratic
	19 May '89:	pen off chart, rain gauge did not record Monday -Tuesday
So. Lake Tahoe	09 Aug '88:	rain gauge pen tip fell off
	21 Feb '89:	power out to sampler during moderate rain; (C code)
Sequoia Em Lake	23 Aug '88:	no rain days listed; rain gauge malfunction
Tanbark	30 May '88:	chart lost, animal waste on apparatus, animals may have been on machine
Victorville	27 Dec '88:	clock stopped
Yosemite	09 Nov '88:	pen off chart; (Z code - field pH invalidated per QC analysis)
	16 Nov '88:	rain gauge not working properly due to missing parts; (Z code - unknown precip)
	23 Nov '88;	rain gauge motor not working; (Z code - unknown precip)
	21 Dec '88:	lid stuck on dry side; (Z code - snow precip)

b. minor/inconsequential effect or raingage and precip = 0
* Action: leave as is

Anaheim	21 Mar '89:	marking pen stopped recording on rain gauge
Bakersfield	13 Dec '88:	pen off chart
Bethel Island	07 Mar '89:	pen not inking on Monday
El Monte	21 Mar '89:	pen off chart
Lake Isabella	09 May '89:	no rain chart available
Nipomo	20 Dec '88:	pen off chart
Pasadena	22 Nov '88:	rain gauge recorder stopped
	20 Dec '88:	clock stopped, new one installed
Quincy	31 Jan '89:	pen off chart; (Z code - snow precip)
	07 Feb '89:	rain gauge timer not working; (Z code - snow precip)
	02 May '89:	chart not working properly; difference = 27%
Sacramento	28 Feb '89:	rain gauge did not record amounts
San Jose	13 Dec '88:	chart drive stopped
San Nicholas Island	22 Nov '88:	pen off chart
Sequoia Em Lake	19 Jul '88:	event pen on Belfort not functioning
	30 May '89:	Belfort pen functioned erratically
	06 Jun '89:	Belfort pen no working properly
	21 Jun '89:	Belfort event pen not working; sampling period from Wednesday to Wednesday; (Z code - mixture precip)
Sequoia GF	08 Nov '88:	funnel was frozen; (Z code - mixture/snow precip)
Tanbark	19 Dec '88:	pen off chart; (Z code - very cold, freezing overnight temperatures)
Victorville	20 Dec '88:	rain gauge clock stopped Sunday
Yosemite	14 Dec '88:	clock stopped twice; (Z code - mixture/snow precip)

4. Z = other (check remarks and take appropriate action)

a. raingage or precip ≠ 0 in

i. no explanation, strong indication of sampler malfunction
* Action: assign "." to the precip value

Berkeley	31 Jan '89:	no explanation; difference = 0.29 or 33%
	14 Mar '89:	no explanation; (lab removed both precip and raingage values)

ii. difference is > 30%
* Action: needs to be checked by MLD.
** Follow-up: correct typo, assign "." to lower reading (raingage or precip), if appropriate.

Berkeley	14 Feb '89:	sample lost when bucket handle broke
So. Lake Tahoe	23 Nov '88:	snow precip; difference = 0.34 or 60%
	20 Dec '88:	snow precip; difference = 0.95 or 45%
	03 Jan '88:	snow precip; difference = 0.27 or 36%
Sequoia GF	22 Nov '88:	suspect aerochem malfunction; (Z code - mixture precip)
Soda Springs	15 Nov '88:	mixture, snow precip, difference = 1.07 or 34%
	20 Dec '88:	snow precip, difference = 3.46 or 56%
	27 Dec '88:	snow precip, difference = 0.48 or 32%
	03 Jan '89:	snow precip, difference = 1.04 or 35%
	17 Jan '89:	snow precip, difference = 0.34 or 56%
	28 Feb '89:	mixture, snow precip, difference = 2.33 or 36%
Tanbark	23 Aug '88:	operator noted more water in "dry" bucket side, intense directional storm suspected
Yosemite Hogden	30 Aug '88:	operator added 250 ml of distilled water; (E code - sample was very dirty with a leaf and many insects)

iii. no explanation, minor malfunction, inconsequential effect, if the value of the raingage or precip $\leq$ 0.2 in or difference < 30 %
* Action: leave as is

NOTE: small values (< 0.2) included in this section even though difference is greater than 30% large values are included as long as the difference is less than 30%

Bakersfield	20 Dec '88:	installed new pH probe
	17 Jan '89:	operator was sick, testing done following Tuesday
Berkeley	09 Nov '88:	small amount of algae growing in rain bucket
	21 Dec '88:	thirteen day sample interval
	07 Feb '89:	field pH invalidated per QC analysis
Bethel Island	31 Jan '89:	sample 90% frozen; probable error in conductivity meter
Escondido	20 Dec '88:	conductance reading drifted
	31 Jan '89:	pH reading drifted
	21 Mar '89:	pH reading drifted
Gasquet	11 Oct '88:	no field measurements, sample spilled; (G code also)
Lake Isabella	08 Nov '88:	conductivity meter not working properly; no rain chart, only weather chart; (F code also)
	07 Feb '89:	pH reading drifted
Lakeport	03 Jan '89:	snow precip
	31 Jan '89:	mixture precip
Lynwood	03 Jan '89:	sample spilled
Montague	22 Nov '88:	mixture precip
	20 Dec '88:	snow precip
	27 Dec '88:	snow precip
	03 Jan '89:	mixture precip; changed foam pad on bucket cover.
Mt. Wilson	03 Jan '89:	snow precip; (E code also - bucket has foreign material)
	01 Feb '89:	mixture precip; (E code also - leaf and dust particles); difference = 0.52 or 12%
Nipomo	08 Nov '88:	rain gauge chart stopped early, clocks changed
Quincy	21 Feb '89:	snow precip; conductivity reading not stabilizing
	02 Mar '89:	snow precip
	18 Apr '89:	snow precip
	10 May '89:	no rain chart
	30 May '89:	power outage (two day delay in analysis); (E code - minute suspended matters, algae/bacteria)
Reseda	23 Nov '88:	gusty winds

So. Lake Tahoe	26 Jul '88:	new pH buffers opened
	03 Aug '88:	new conductivity standard opened
	09 Nov '88:	mixture precip
	15 Nov '88:	snow precip
	14 Dec '88:	snow precip
	28 Dec '88:	snow precip
	24 Jan '88:	snow precip; difference = 0.09 or 75%
	07 Feb '89:	snow precip
	14 Feb '89:	mixture precip
	07 Mar '89:	mixture precip
	14 Mar '89:	mixture precip
	21 Mar '89:	mixture precip
	18 Apr '18:	snow precip
	02 May '89:	conductivity not stable, reading taken after more than 1/2 hour
	30 May '89:	contaminated?
Sacramento	31 Jan '89:	rain gauge tilt will account for volume discrepancy
San Bernardino	01 Feb '89:	unusually cold temperatures; snow precip
San Rafael	11 Oct '88:	no standard pH
	15 Nov '88:	sample to ARB lab lost after analysis
Santa Barbara	13 Sep '88:	did not measure for conductivity or pH; entire sample sent to lab
	11 Oct '88:	insufficient volume for conductivity or pH; entire sample sent to lab; (G code)
	08 Nov '88:	rain gauge malfunction total inches available, specific days and times not available; sampled mailed to lab
	22 Nov '88:	rain gauge malfunction total inches available, specific days and times not available; sampled mailed to lab
	28 Feb '89:	check sample contaminated; mailed to lab (E code)
	02 May '89:	sample mailed to lab; plastic shield on bucket cover is torn
Sequoia Ash	22 Nov '88:	initial time on chart not set to Tues 10:30; bucket not empty at beginning of week
	13 Dec '88:	bugs in sample
	20 Dec '88:	irregular sampling period due to weather; mixture precip
	17 Jan '89:	periods of heavy fog may explain discrepancy between raingage and bucket weight; (A code)
	31 Jan '89:	mixture precip

	07 Feb '89:	foam pad needs replacing
	02 May '89:	operator made an error - added 100 ml distilled water
Sequoia GF	13 Dec '88:	mixture precip
	07 Feb '89:	mixture, snow precip
	28 Feb '89:	mixture precip
	14 Mar '89:	snow precip
	21 Mar '89:	snow precip
	18 Apr '89:	snow precip
	25 Apr '89:	mixture, snow precip
	02 May '89:	operator made an error - added 100 ml of distilled water
Soda Springs	01 Nov '88:	snow precip, difference = 19%
	08 Nov '88:	mixture, snow precip, difference = 1.23 or 24%
	22 Nov '88:	mixture, snow precip
	13 Dec '88:	snow precip
	10 Jan '89:	snow precip
	07 Feb '89:	snow precip
	14 Feb '89:	mixture, snow precip
	22 Feb '89:	mixture, snow precip
	07 Mar '89:	mixture, snow precip
	14 Mar '89:	mixture, snow precip
	21 Mar '89:	mixture, snow precip
	28 Mar '89:	mixture precip
	18 Apr '89:	mixture, snow precip
	25 Apr '89:	mixture precip
	09 May '89:	mixture precip
	16 May '89:	mixture, snow precip
	23 May '89:	snow precip
Victorville	23 Aug '88:	occasional thunder storms; (E code - a lot of suspended matter in water)
	30 Aug '88:	high winds and dust on Friday
Yosemite	28 Dec '88:	snow, unknown precip
	25 Jan '89:	mixture precip
	08 Feb '89:	mixture precip
	01 Mar '89:	mixture precip; several cc "sloshed" out during transport
	07 Jun '89:	high measured K+ high Cl-/Na+ and low Na+/K+ indicate contamination with KCl; (E code)

B. Observations Flagged "S" by Level II Validation Tests

Rationale: The measurements by the rain gauge and bucket sampler are used a coarse test of the reliability of the rain gauge measurement. While differences of 30% or less can occur under normal conditions, large differences are suggestive of erroneous sampling by the rain gauge or the bucket sampler. Unless there is strong evidence of a rain gauge or bucket sampler malfunction, both values will be retained in the data base. The reason for this is to provide information to data users about the volume of sample used to measure analyte concentrations. It is our contention that the primary purpose of the precip value is to identify what portion of the week's rainfall was used to measure the listed analyte concentrations; its secondary purpose is to serve as a coarse measure of rainfall or surrogate for the rain gauge reading.

1. raingage > precip

a. small difference between values

* Action: if [(raingage - precip) ÷ raingage] < 0.70, then leave as is

Quincy	14 Feb '89:	r = 0.25, p = 0.11, difference = 56%
	21 Mar '89:	r = 3.27, p = 3.39, difference = 57%
So. Lake Tahoe	01 Feb '89:	r = 0.73, p = 0.29, difference = 60%
Sequoia Ash	07 Mar '89:	r = 0.07, p = 0.03, difference = 57%
Soda Springs	13 Sep '89:	r = 0.32, p = 0.15, difference = 53%

C. Valid Observations with Rain Volume Differences > 0.2 inches

1. small difference between raingage and sampler

* Action: if [(raingage - precip) ÷ raingage] $\leq$ 0.30, leave as is

Berkeley	14 Dec '89:	r = 1.60, p = 1.33, difference = 0.27 or 17%
Gasquet	21 Nov '88:	r = 3.82, p = 6.51, difference = 0.31 or 5%
	10 Jan '89:	r = 1.82, p = 1.62, difference = 0.20 or 11%
Lake Isabella	20 Dec '88:	r = 2.43, p = 2.14, difference = 0.29 or 12%
	28 Feb '89	r = 1.43, p = 1.78, difference = 0.35 or 24%
So. Lake Tahoe	01 Mar '89:	r = 1.56, p = 1.29, difference = 0.27 or 17%
Sequoia Ash	08 Nov '88:	r = 1.75, p = 1.96, difference = 0.21 or 12%

D. Missing Observations (based on Level I Validation Criteria)

Anaheim	14 Feb '89:	precip value removed
Escondido	11 Apr '89:	raingage value removed
Gasquet	06 Feb '89:	precip value removed, G code
	09 May '89:	precip value removed
Lake Isabella	23 Aug '88:	precip value removed
	18 Apr '88:	precip value removed
Lynwood	08 May '89:	raingage value removed, G code
Montague	21 Feb '89:	precip value removed, D code
	11 Apr '89:	raingage value removed, G code
Reseda	09 May '89:	precip value removed
San Nicholas Island	20 Sep '88:	raingage value remove
Santa Barbara	15 Nov '88:	both raingage and precip values removed
Sequoia Em Lake	30 Aug '88:	both raingage and precip values removed
Sequoia Ash	21 Feb '89:	raingage value remove, D code
Sequoia GF	10 Jan '89:	both raingage and precip values removed
	17 Jan '89:	both raingage and precip values removed
	06 Jun '89:	raingage value remove, G code
	24 Jan '89:	both raingage and precip values removed
Soda Springs	02 Aug '88:	precip value removed
	04 Oct '88:	raingage value remove, G code
	13 Jun '89:	precip value removed
Yosemite	31 May '89:	raingage value remove, G code

Appendix C. Data Assignments for HY 1990

Appendix C: List of Data Assignments for HY 1990

I. Basis for Data Assignments and Selection of Observations

1. Observations (i.e., precipitation samples) with multiple remark codes were reviewed according to the remark closest to the beginning of the alphabet. For example, observations with "B" and "L" remark codes are listed only among the observations designated as having a "B" remark code.

2. Any given observation is listed only once. For example, observations with a "B" remark code and a "S" level II validation flag, or "B" and "L" remark codes, are listed only among the observations designated as having a "B" remark code.

3. The "Z" remark "snow/mixture/unknown precip" indicates the presence of precipitation other than rain during the sampling period.

4. Rinse data were not reviewed.

5. Data from collocated samplers were not available for review.

II. Data Assignments and Missing Observations

A. Observations with Rain Volume-Related Remark Codes

1. B = sampler malfunction

a. clear explanation or evidence of inoperation (raingage $\neq 0$ and precip $= 0$)
* Action: assign "." to the precip value

Sacramento	26 Dec '89:	neglected to weigh sample before analyzing
San Bernardino	13 Sep '89:	bucket malfunction, no sample collected
San Jose	13 Feb '90:	no explanation
Santa Barbara	10 Oct '89:	bucket lid found stuck open, sample invalid
	17 Oct '89:	bucket lid found stuck open, sample invalid
Yosemite	27 Sep '89:	power supply problem, sample was left uncovered ,

difference = 0.26 or 22%

14 Feb '90: power failure, wet side open 5 days, sample fell while skiing, sample spilled (codes B, C, D, E, F, G, I, and Z; raingage value should read 0.95 not 95.00, recording error)

b. minor/inconsequential effect or raingage and precip = 0
* Action: leave as is

Sequoia GF 01 Aug '89: fuse was blown

2. J = validity in question

3. L = rain gauge malfunction

a. clear explanation or evidence of inoperation (e.g., raingage = 0 and precip ≠ 0; **difference > 0.2 in or difference > 30%**)
* Action: assign "." to the raingage value

NOTE: This includes small volume samples with differences > 30%

Anaheim 30 Apr '90: event pen lost contact with the rain chart, (Z code - film of dirt in bucket, sample was discarded, contaminated), difference = 0.01 or 100%
21 May '90: clock stopped running Sunday morning, clock found completely unwound

Berkeley 17 Oct '89: rain gauge did not register from Monday evening to Tuesday morning; difference = 0.43

El Monte 06 Feb '90: bucket ran for three weeks

Escondido 19 Sep '89: rain chart is difficult to interpret

Lynwood 26 Feb '90: pen not working

Pasadena 06 Feb '90: inches were not recorded on rain chart

Quincy 13 Feb '90: can not breakdown rain gauge chart

Reseda 26 Dec '90: clock stopped or ran slow
31 Jan '90: difficult to interpret rain chart

Sacramento	13 Mar '90:	faulty event recorder
San Bernardino	28 Mar '90:	clock stopped 4/30, (Z code - bucket was found with foreign matter)
Sequoia Ash	17 Oct '89:	rain gauge did not register accurately, difference = 0.06 or 40%
Sequoia Em Lake	08 Aug '89:	no marks on rain chart (G code)
Sequoia GF	27 Feb '90:	chart was started in the wrong place, (Z code - mixture/snow precip) difference = 0.28 or 18%
	10 Apr '90:	rain gauge malfunction
Tanbark	10 Jan '90:	clock stopped 1/13, (Z code - dirt particles in bucket)
	31 Jan '90:	clock stopped
	07 Feb '90:	clock stopped
	14 Feb '90:	clock stopped
	28 Mar '90:	clock stopped
	23 May '90:	clock stopped on Monday, (Z code - dust film in bucket)
Yosemite	28 Feb '90:	volume not accurate as person carrying bucket tripped, (Z code - unknown precip)
	07 Mar '90:	sample was mis-routed to Illinois, volume not recorded
	28 Mar '90:	rain chart did not advance, (Z code - pH meter would not stabilize)

b. minor/inconsequential effect or raingage and precip = 0

* Action: leave as is

Gasquet	20 Oct '89:	clock stopped, (Z code - field pH 4.72 invalidated due to low pH check sample)
Lake Isabella	23 Oct '89:	rain gauge information obtained by Lake Isabella Corps of Engineers
Sequoia Em Lake	01 Aug '89:	rain gauge malfunction, (G code)
Reseda	27 Mar '90:	rain chart difficult to interpret; sample discarded due to low volume, difference = 0.07 or 88%, operator's remarks state that precip value should be 0.08 not 0.01

4. Z = other (check remarks and take appropriate action)

a. raingage or precip $\neq$ 0 in

i. difference is > 30%
* Action: needs to be checked by MLD.
** Follow-up: correct typo, assign "." to lower reading (raingage or precip), if appropriate.

So. Lake Tahoe	13 Feb '90:	blizzard conditions, power out for approx. 3.5 hours, snow precip, difference = 0.43 or 43%
Sequoia GF	30 Jan '90:	mixed precip, difference = 0.69 or 49%
	13 Feb '90:	snow precip, difference = 0.98 or 39%
Soda Springs	21 Nov '89:	snow precip, difference = 3.61 or 57%
	09 Jan '90:	mixture/snow precip, difference = 1.12 or 32%
	23 Jan '90:	snow precip, difference = 0.47 or 47%
	13 Feb '90:	snow precip, storm on Thursday and Friday was very windy, bucket by passed by blowing snow, difference = 3.47 or 68%
	06 Mar '90:	snow precip, bucket full of snow on Saturday and Sunday, difference = 0.99 or 43%

ii. no explanation, minor malfunction, inconsequential effect, if the value of the raingage/precip $\leq$ 0.2 in or difference < 30 %
* Action: leave as is

NOTE: small values (< 0.2) included in this section even though difference is greater than 30% large values are included as long as the difference is less than 30%

Bakersfield	06 Mar '90:	sample invalidated, operator added water to sample prior to mailing
Escondido	27 Feb '90:	rain chart is difficult to interpret
Gasquet	31 Oct '89:	field pH 4.0 invalidated per QC and because technician noted: "not sure"
	08 Jan '90:	eight day sample due to heavy rain the previous week
Lake Isabella	26 Feb '90:	invalidated field conductance of 3.9 since changes between field and lab are not consistent with pH changes
	27 Mar '90:	forestry service had quit picking up bucket because of a change in personnel
	06 Jun '90:	0.2 inches reported by the Corps of Engineers

Montague	30 Jan '90:	mixture/snow precip; pH meter being repaired
	06 Feb '90:	snow precip
	13 Feb '90:	snow precip; pH meter not working
Quincy	02 Jan '90:	field pH of 4.20 invalidated per QC analysis
Sacramento	17 Oct '89:	field pH of 6.3 invalidated because operator reported meter fluctuations
	30 Jan '90:	field conductance validity in question per QC analysis
San Bernardino	04 Apr '90:	possible evaporation of sample
Santa Barbara	27 Mar '90:	no analysis due to small amount of precipitation sample mailed to lab
Sequoia Ash	14 Feb '90:	irregular sampling period
	27 Feb '90:	irregular sampling period
Sequoia Em Lake	12 Sep '89:	mixture precip, chart set 12 hours too early
	17 Oct '89:	mixed precip, station taken down for the winter season difference = 0.21 or 21%
Sequoia GF	21 Nov '89:	mixture precip, sample lost in transport
	06 Feb '90:	snow precip, very light snow may account for aerochem opening with no increase of precipitation
Soda Springs	26 Sep '89:	mixture precip, precipitations was showery and spotty on Monday
	17 Oct 89:	mixture/snow precip, precipitation gauges bridged by sticky snow
Yosemite	13 Sep '89:	chart stopped turning, day by day breakdown not possible, difference = 0.33 or 9%
	25 Oct '89:	chart did not turn, motor trouble, but pen indicates some precipitation, difference = 0.07 or 46%

B. Observations Flagged "S" by Level II Validation Tests

Rationale: The measurements by the rain gauge and bucket sampler are used a coarse test of the reliability of the rain gauge measurement. While differences of 30% or less can occur under normal conditions, large differences are suggestive of erroneous sampling by the rain gauge or the bucket sampler. Unless there is strong evidence of a rain gauge or bucket sampler malfunction, both values will be retained in the

data base. The reason for this is to provide information to data users about the volume of sample used to measure analyte concentrations. It is our contention that the primary purpose of the precip value is to identify what portion of the week's rainfall was used to measure the listed analyte concentrations; its secondary purpose is to serve as a coarse measure of rainfall or surrogate for the rain gauge reading.

1. raingage > precip

a. large difference between values
* Action: if [(raingage - precip) ÷ raingage] $\geq$ 0.70, then send to MLD.
** Follow up, correct typo or assign "." to precip, if appropriate

Berkeley	12 Jun '90: r = 0.75, p = 0.02, difference = 97%	(G code also)
Reseda	24 Jan '90: r = 0.08, p = 0.00, difference = 100%	
Soda Springs	15 Aug '89: r = 0.08, p = 0.02, difference = 75%	
	13 Mar '90: r = 0.16, p = 0.04, difference = 75%	

b. small differences between values
* Action: if [(raingage - precip) ÷ raingage] < 0.70, then leave as is

Anaheim	11 Sep '89: r = 0.06, p = 0.02, difference = 67%	
Soda Springs	24 Apr '90: r = 0.16, p = 0.07, difference = 56%	

2. precip > raingage

a. large difference between values
* Action: if [(raingage - precip) ÷ raingage] $\geq$ 0.70, then send to MLD.
** Follow up, correct typo or assign "." to raingage, if appropriate

Pasadena	27 Dec '89: r = 0.25, p = 0.44, difference = 76%	

b. small differences between values
* Action: if [(raingage - precip) ÷ raingage] < 0.70, then leave as is

Gasquet	29 Sep '89: r = 0.30, p = 0.48, difference = 60%	

C. Valid Observations with Rain Volume Differences > 0.2 inches

1. large difference between raingage and sampler, no obvious problem

* Action: if [(raingage - precip) ÷ raingage] > 0.30, check with MLD.
** Follow up, correct typo or assign "." to the lower value if appropriate

Soda Springs 30 Jan '90: r = 3.49, p = 2.01; difference = 1.48 or 42%

2. small difference between raingage and sampler
* Action: if [(raingage - precip) ÷ raingage] $\leq$ 0.30, leave as is

Berkeley	03 Jan '90:	r = 0.90, p = 1.13; difference = 0.23 or 26%
	09 Jan '90:	r = 2.85, p = 3.08; difference = 0.23 or 8%
	13 Feb '90:	r = 1.87, p = 1.64; difference = 0.23 or 12%
	15 May '90:	r = 1.05, p = 1.25; difference = 0.20 or 19%
Bethel Island	12 Sep '89:	r = 1.08, p = 0.87; difference = 0.21 or 19%
Gasquet	30 Jan '90:	r = 5.79, p = 5.57; difference = 0.22 or 4%
	06 Feb '90:	r = 4.22, p = 4.01; difference = 0.21 or 5%
Mt. Wilson	17 Oct '89:	r = 1.30, p = 1.54; difference = 0.24 or 18%
	13 Feb '90:	r = 3.94, p = 4.15; difference = 0.21 or 5%
Quincy	18 Oct '89:	r = 5.75, p = 6.47; difference = 0.72 or 13%
	21 Nov '89:	r = 3.75, p = 3.43; difference = .32 or 8%
Santa Barbara	09 Jan '90:	r = 2.90, p = 2.66; difference = 0.24 or 8%
Sequoia GF	09 Jan '90:	r = 2.60, p = 2.08; difference = 0.52 or 20%
	16 Jan '90:	r = 1.18, p = 0.90; difference = 0.28 or 24%
	06 Mar '90:	r = 1.40, p = 1.02; difference = 0.38 or 27%
Soda Springs	12 Sep '89:	r = 4.09, p = 2.90; difference = 1.19 or 29%
	27 Feb '90:	r = 1.54, p = 1.22; difference = 0.32 or 21%
	15 May '90:	r = 1.30, p = 1.03; difference = 0.27 or 21%
	22 May '90:	r = 2.75, p = 2.35; difference = 0.40 or 15%
	29 May '90:	r = 1.91, p = 1.69; difference = 0.22 or 12%
Yosemite	10 Jan '90:	r = 3.83, p = 4.08; difference = 0.25 or 7%

D. Missing Observations (based on Level I Validation Criteria)

El Monte 09 Apr '90: raingage value removed

Escondido	21 Nov '89:	precip value removed
Gasquet	29 Aug '89:	precip value removed
Lynwood	23 Oct '89:	raingage value removed
	03 Jan '90:	raingage value removed
	09 Apr '90:	raingage value removed
	30 Apr '90:	raingage value removed
Montague	01 Aug '89:	precip value removed
Mt. Wilson	22 Aug '89:	both raingage and precip removed
	27 Feb '90:	raingage value removed
Quincy	13 Mar '90:	raingage value removed
Sacramento	12 Dec '89:	both raingage and precip removed
San Bernardino	26 Jul '89:	both raingage and precip removed
Santa Barbara	15 Aug '89:	both raingage and precip removed
	26 Sep '89:	both raingage and precip removed
Tanbark	22 Aug '89:	both raingage and precip removed
	19 Sep '89:	raingage value removed
	22 Nov '89:	raingage value removed
Yosemite	16 Aug '89:	both raingage and precip removed
	23 Aug '89:	both raingage and precip removed
	09 May '90:	both raingage and precip removed
	23 May '90:	precip value removed
	06 Jun '90:	precip value removed